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Type I Data Package

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

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

SDG# ATG95

GROUP	SAMPLE NUMBERS
1855180	9229368-9229387

```
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:** **10/23/2017**

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 ATG95
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9229368	T2-5E	09/22/2017 10:26	09/26/2017 17:15
9229369	T2-6(1.5-1.8)	09/22/2017 10:27	09/26/2017 17:15
9229370	T2-6a(1.5-1.8)	09/22/2017 10:28	09/26/2017 17:15
9229371	T2-6E	09/22/2017 10:29	09/26/2017 17:15
9229372	T2-7(1.5-1.8)	09/22/2017 10:30	09/26/2017 17:15
9229373	T2-7a(1.5-1.8)	09/22/2017 10:31	09/26/2017 17:15
9229374	T2-7E	09/22/2017 10:32	09/26/2017 17:15
9229375	T2-8(1.5-1.8)	09/22/2017 10:33	09/26/2017 17:15
9229376	T2-8a(1.5-1.8)	09/22/2017 10:34	09/26/2017 17:15
9229377	T2-8E	09/22/2017 10:35	09/26/2017 17:15
9229378	T2-21W	09/22/2017 11:16	09/26/2017 17:15
9229379	T2-21WMS	09/22/2017 11:16	09/26/2017 17:15
9229380	T2-21WMSD	09/22/2017 11:16	09/26/2017 17:15
9229381	DUP2-1	09/22/2017 11:16	09/26/2017 17:15
9229382	T2-21(1.5-1.8)	09/22/2017 11:17	09/26/2017 17:15
9229383	T2-21E	09/22/2017 11:18	09/26/2017 17:15
9229384	T2-22W	09/22/2017 11:19	09/26/2017 17:15
9229385	T2-22(1.5-1.8)	09/22/2017 11:20	09/26/2017 17:15
9229386	T2-22E	09/22/2017 11:21	09/26/2017 17:15
9229387	T2-23W	09/22/2017 11:22	09/26/2017 17:15

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14248 PCB 10g Sonication Ext

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

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

10225 PCBs in Solids by 8082/3550

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

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

00111 Moisture
00118 Moisture
00121 Moisture Duplicate

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

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

Analysis Reports / Field Chain of Custody

ANALYSIS REPORT

Prepared by:	Prepared for:
Eurofins Lancaster Laboratories Environmental 2425 New Holland Pike Lancaster, PA 17601	Stantec 1060 Andrew Drive Suite 140 West Chester PA 19380

Report Date: October 17, 2017

Project: Amtrak Wilmington

Account #: 11289
Group Number: 1855180
SDG: ATG95
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

SAMPLE INFORMATION

Client Sample Description	Collection Information	ELLE#
T2-5E Grab Soil	09/22/2017 10:26	9229368
T2-6(1.5-1.8) Grab Soil	09/22/2017 10:27	9229369
T2-6a(1.5-1.8) Grab Soil	09/22/2017 10:28	9229370
T2-6E Grab Soil	09/22/2017 10:29	9229371
T2-7(1.5-1.8) Grab Soil	09/22/2017 10:30	9229372
T2-7a(1.5-1.8) Grab Soil	09/22/2017 10:31	9229373
T2-7E Grab Soil	09/22/2017 10:32	9229374
T2-8(1.5-1.8) Grab Soil	09/22/2017 10:33	9229375
T2-8a(1.5-1.8) Grab Soil	09/22/2017 10:34	9229376
T2-8E Grab Soil	09/22/2017 10:35	9229377
T2-21W Grab Soil	09/22/2017 11:16	9229378
T2-21WMS Grab Soil	09/22/2017 11:16	9229379
T2-21WMSD Grab Soil	09/22/2017 11:16	9229380
DUP2-1 Grab Soil	09/22/2017 11:16	9229381
T2-21(1.5-1.8) Grab Soil	09/22/2017 11:17	9229382
T2-21E Grab Soil	09/22/2017 11:18	9229383
T2-22W Grab Soil	09/22/2017 11:19	9229384
T2-22(1.5-1.8) Grab Soil	09/22/2017 11:20	9229385
T2-22E Grab Soil	09/22/2017 11:21	9229386
T2-23W Grab Soil	09/22/2017 11:22	9229387

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

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Analysis Report

Sample Description: T2-5E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229368
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:26 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A01 SDG#: ATG95-01

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 5.4	D1	5.4	100
10225	PCB-1221	11104-28-2	< 5.4	D1	5.4	100
10225	PCB-1232	11141-16-5	< 5.4	D1	5.4	100
10225	PCB-1242	53469-21-9	< 5.4	D1	5.4	100
10225	PCB-1248	12672-29-6	< 5.4	D1	5.4	100
10225	PCB-1254	11097-69-1	24	D2	5.4	100
10225	PCB-1260	11096-82-5	< 5.4	D1	5.4	100
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.1		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172760009A	10/06/2017 06:44	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-6(1.5-1.8) Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229369
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:27 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A02 SDG#: ATG95-02

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	< 29	D1	29	500
10225	PCB-1221	11104-28-2	< 29	D1	29	500
10225	PCB-1232	11141-16-5	< 29	D1	29	500
10225	PCB-1242	53469-21-9	< 29	D1	29	500
10225	PCB-1248	12672-29-6	< 29	D1	29	500
10225	PCB-1254	11097-69-1	120	ZD2	29	500
10225	PCB-1260	11096-82-5	< 29	ZD1	29	500

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	12.9		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172760009A	10/05/2017 11:39	Jessica L Miller	500
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-6a(1.5-1.8) Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229370
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:28 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A03 SDG#: ATG95-03

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	7.4	ZD2	1.1	20
10225	PCB-1260	11096-82-5	< 1.1	ZD1	1.1	20

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	6.9		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172760009A	10/05/2017 11:50	Jessica L Miller	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-6E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229371
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:29 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A04 SDG#: ATG95-04

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 11	D1	11	200
10225	PCB-1221	11104-28-2	< 11	D1	11	200
10225	PCB-1232	11141-16-5	< 11	D1	11	200
10225	PCB-1242	53469-21-9	< 11	D1	11	200
10225	PCB-1248	12672-29-6	< 11	D1	11	200
10225	PCB-1254	11097-69-1	130	D1	11	200
10225	PCB-1260	11096-82-5	< 11	D1	11	200
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	10.2		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	172760009A	10/06/2017 06:10	Kirby B Turner	200
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-7(1.5-1.8) Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229372
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:30 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A05 SDG#: ATG95-05

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.7	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	26	ZD2	2.7	50
10225	PCB-1260	11096-82-5	< 2.7	ZD1	2.7	50

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	8.7		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172760009A	10/05/2017 12:13	Jessica L Miller	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-7a(1.5-1.8) Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229373
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:31 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A06 SDG#: ATG95-06

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	7.3	ZD2	1.1	20
10225	PCB-1260	11096-82-5	< 1.1	ZD1	1.1	20

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.7		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172760009A	10/05/2017 12:24	Jessica L Miller	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-7E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229374
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:32 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A07 SDG#: ATG95-07

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 56	D1	56	1000
10225	PCB-1221	11104-28-2	< 56	D1	56	1000
10225	PCB-1232	11141-16-5	< 56	D1	56	1000
10225	PCB-1242	53469-21-9	< 56	D1	56	1000
10225	PCB-1248	12672-29-6	< 56	D1	56	1000
10225	PCB-1254	11097-69-1	740	D1	56	1000
10225	PCB-1260	11096-82-5	< 56	D1	56	1000
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	8.3		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	172760009A	10/06/2017 05:58	Kirby B Turner	1000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-8(1.5-1.8) Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229375
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:33 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A08 SDG#: ATG95-08

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 27	D1	27	500
10225	PCB-1221	11104-28-2	< 27	D1	27	500
10225	PCB-1232	11141-16-5	< 27	D1	27	500
10225	PCB-1242	53469-21-9	< 27	D1	27	500
10225	PCB-1248	12672-29-6	< 27	D1	27	500
10225	PCB-1254	11097-69-1	230	ZD2	27	500
10225	PCB-1260	11096-82-5	< 27	ZD1	27	500

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
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	172760009A	10/05/2017 12:59	Jessica L Miller	500
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-8a(1.5-1.8) Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229376
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:34 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A09 SDG#: ATG95-09

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 110	D1	110	2000
10225	PCB-1221	11104-28-2	< 110	D1	110	2000
10225	PCB-1232	11141-16-5	< 110	D1	110	2000
10225	PCB-1242	53469-21-9	< 110	D1	110	2000
10225	PCB-1248	12672-29-6	< 110	D1	110	2000
10225	PCB-1254	11097-69-1	1,500	ZD1	110	2000
10225	PCB-1260	11096-82-5	< 110	ZD1	110	2000

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	6.8		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	172760009A	10/05/2017 13:10	Jessica L Miller	2000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-8E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229377
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 10:35 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A10 SDG#: ATG95-10

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	< 54	D1	54	1000
10225	PCB-1221	11104-28-2	< 54	D1	54	1000
10225	PCB-1232	11141-16-5	< 54	D1	54	1000
10225	PCB-1242	53469-21-9	< 54	D1	54	1000
10225	PCB-1248	12672-29-6	< 54	D1	54	1000
10225	PCB-1254	11097-69-1	920	ZD1	54	1000
10225	PCB-1260	11096-82-5	< 54	ZD1	54	1000

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.4		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	172760009A	10/05/2017 13:22	Jessica L Miller	1000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-21W Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229378
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:16 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A11 SDG#: ATG95-11BKG

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	13	ZD2	2.7	50
10225	PCB-1260	11096-82-5	7.1	ZD2	2.7	50

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	8.3		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	172760009A	10/05/2017 13:44	Jessica L Miller	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-21WMS Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229379
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:16 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A11 SDG#: ATG95-11MS

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	14	ZD2	2.7	50
10225	PCB-1260	11096-82-5	7.6	ZD2	2.7	50

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00118	Moisture	n.a.	8.3		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	172760009A	10/05/2017 13:56	Jessica L Miller	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-21WMSD Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229380
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:16 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A11 SDG#: ATG95-11MSD

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	3.7	ZD2	2.7	50
10225	PCB-1260	11096-82-5	< 2.7	ZD2	2.7	50

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00118	Moisture	n.a.	8.3		0.50	1
00121	Moisture Duplicate	n.a.	8.4		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	172760009A	10/05/2017 14:07	Jessica L Miller	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: DUP2-1 Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229381
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:16 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A12 SDG#: ATG95-12FD

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	< 5.3	D1	5.3	100
10225	PCB-1221	11104-28-2	< 5.3	D1	5.3	100
10225	PCB-1232	11141-16-5	< 5.3	D1	5.3	100
10225	PCB-1242	53469-21-9	< 5.3	D1	5.3	100
10225	PCB-1248	12672-29-6	< 5.3	D1	5.3	100
10225	PCB-1254	11097-69-1	20	ZD2	5.3	100
10225	PCB-1260	11096-82-5	9.5	ZD2	5.3	100

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	5.2		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	172760009A	10/05/2017 14:41	Jessica L Miller	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-21(1.5-1.8) Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229382
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:17 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A13 SDG#: ATG95-13

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	< 12	D1	12	200
10225	PCB-1221	11104-28-2	< 12	D1	12	200
10225	PCB-1232	11141-16-5	< 12	D1	12	200
10225	PCB-1242	53469-21-9	< 12	D1	12	200
10225	PCB-1248	12672-29-6	< 12	D1	12	200
10225	PCB-1254	11097-69-1	110	ZD2	12	200
10225	PCB-1260	11096-82-5	< 12	ZD1	12	200

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	19.0		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	172760009A	10/05/2017 14:53	Jessica L Miller	200
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-21E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229383
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:18 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A14 SDG#: ATG95-14

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 280	D1	280	5000
10225	PCB-1221	11104-28-2	< 280	D1	280	5000
10225	PCB-1232	11141-16-5	< 280	D1	280	5000
10225	PCB-1242	53469-21-9	< 280	D1	280	5000
10225	PCB-1248	12672-29-6	< 280	D1	280	5000
10225	PCB-1254	11097-69-1	1,800	ZD2	280	5000
10225	PCB-1260	11096-82-5	< 280	ZD1	280	5000

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	9.9		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172760009A	10/05/2017 15:04	Jessica L Miller	5000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-22W Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229384
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:19 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A15 SDG#: ATG95-15

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	19	ZD2	2.7	50
10225	PCB-1260	11096-82-5	< 2.7	ZD1	2.7	50

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

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	6.2		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	172760009A	10/05/2017 15:16	Jessica L Miller	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172760009A	10/03/2017 17:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-22(1.5-1.8) Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229385
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:20 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A16 SDG#: ATG95-16

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	< 29	D1	29	500
10225	PCB-1221	11104-28-2	< 29	D1	29	500
10225	PCB-1232	11141-16-5	< 29	D1	29	500
10225	PCB-1242	53469-21-9	< 29	D1	29	500
10225	PCB-1248	12672-29-6	< 29	D1	29	500
10225	PCB-1254	11097-69-1	340	D2	29	500
10225	PCB-1260	11096-82-5	< 29	D1	29	500
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	13.8		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	172780031A	10/12/2017 06:09	Jessica L Miller	500
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Analysis Report

Sample Description: T2-22E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229386
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:21 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A17 SDG#: ATG95-17

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	< 1,100	D1	1,100	20000
10225	PCB-1221	11104-28-2	< 1,100	D1	1,100	20000
10225	PCB-1232	11141-16-5	< 1,100	D1	1,100	20000
10225	PCB-1242	53469-21-9	< 1,100	D1	1,100	20000
10225	PCB-1248	12672-29-6	< 1,100	D1	1,100	20000
10225	PCB-1254	11097-69-1	4,500	D2	1,100	20000
10225	PCB-1260	11096-82-5	< 1,100	D1	1,100	20000
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	8.7		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172780031A	10/12/2017 06:43	Jessica L Miller	20000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

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Lancaster Laboratories Environmental
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Analysis Report

Sample Description: T2-23W Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9229387
ELLE Group # 1855180
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/22/2017 11:22 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/17/2017 11:51

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

95A18 SDG#: ATG95-18

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	< 5.4	D1	5.4	100
10225	PCB-1221	11104-28-2	< 5.4	D1	5.4	100
10225	PCB-1232	11141-16-5	< 5.4	D1	5.4	100
10225	PCB-1242	53469-21-9	< 5.4	D1	5.4	100
10225	PCB-1248	12672-29-6	< 5.4	D1	5.4	100
10225	PCB-1254	11097-69-1	< 5.4	D1	5.4	100
10225	PCB-1260	11096-82-5	13	D1	5.4	100
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	6.8		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	172780031A	10/12/2017 06:55	Jessica L Miller	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820007B	10/03/2017 00:39	Scott W Freisher	1

Quality Control Summary

Client Name: Stantec
Reported: 10/17/2017 11:51

Group Number: 1855180

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: 172760009A	Sample number(s): 9229368-9229384	
PCB-1016	< 0.051	0.051
PCB-1221	< 0.051	0.051
PCB-1232	< 0.051	0.051
PCB-1242	< 0.051	0.051
PCB-1248	< 0.051	0.051
PCB-1254	< 0.051	0.051
PCB-1260	< 0.051	0.051
Batch number: 172780031A	Sample number(s): 9229385-9229387	
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: 172760009A	Sample number(s): 9229368-9229384								
PCB-1016	0.501	0.493			98		80-121		
PCB-1260	0.501	0.581			116		84-125		
Batch number: 172780031A	Sample number(s): 9229385-9229387								
PCB-1016	0.501	0.461			92		80-121		
PCB-1260	0.501	0.542			108		84-125		
	%	%	%	%					
Batch number: 17275820007B	Sample number(s): 9229368-9229387								
Moisture	89.5	89.37			100		99-101		
Moisture	89.5	89.37			100		99-101		
Moisture Duplicate	89.5	89.37			100		99-101		

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

Quality Control Summary

Client Name: Stantec
Reported: 10/17/2017 11:51

Group Number: 1855180

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: 172760009A	Sample number(s): 9229368-9229384 UNSPK: 9229378									
PCB-1016	< 2.5	0.489	< 2.5	0.478	< 2.4	0*	0*	80-121	0	50
PCB-1260	6.53	0.489	6.99	0.478	2.25	96 (2)	-893 (2)	84-125	103*	50
Batch number: 172780031A	Sample number(s): 9229385-9229387 UNSPK: 9229385									
PCB-1016	< 25	0.496	< 25	0.477	< 24	0*	0*	80-121	0	50
PCB-1260	< 25	0.496	< 25	0.477	< 24	0*	0*	84-125	0	50

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: 17275820007B	Sample number(s): 9229368-9229387 BKG: 9229378, P229378			
Moisture	8.30	8.44	2	5
Moisture	8.30	8.44	2	5
Moisture Duplicate	8.30	8.44	2	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: 172760009A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229368	72	87	95	102
9229369	94	100	97	115
9229370	92	104	93	124
9229371	104	105	107	108
9229372	87	97	85	107
9229373	92	106	95	125
9229374	412*	294*	267*	296*
9229375	155*	118	97	139

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

Quality Control Summary

Client Name: Stantec
Reported: 10/17/2017 11:51

Group Number: 1855180

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: 172760009A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229376	545*	176*	126	139
9229377	343*	170*	146	169*
9229378	82	100	90	117
9229379	78	93	85	113
9229380	70	79	79	105
9229381	96	109	101	136
9229382	156*	188*	169*	201*
9229383	1025*	280*	203*	1491*
9229384	102	115	110	142
Blank	96	94	80	91
LCS	105	98	87	98
MS	78	93	85	113
MSD	70	79	79	105
Limits:	61-152	48-164	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172780031A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229385	184*	149	117	122
9229386	3856*	0*	0*	546*
9229387	100	152	112	124
Blank	102	110	99	109
LCS	99	104	98	104
MS	221*	187*	153*	153
MSD	161*	117	97	88
Limits:	61-152	48-164	61-152	48-164

*- 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 # 1855180 Sample # 9229368-87

COC # 528682 9 of 25

For Lab Use Only
FSC:
SCR#:

Client Information

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

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

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil ☒	Sediment ☐	Tissue ☐	Water: Ground ☐	Surface ☐	Potable ☐	NPDES ☐	Other:	Total # of Containers	PCBs 3550B
T2-5E	9-22-17	1026	X		X								1	X
T2-6 (1.5-1.8)		1027	X		X								1	X
T2-6a (1.5-1.8)		1028	X		X								1	X
T2-6E		1029	X		X								1	X
T2-7 (1.5-1.8)		1030	X		X								1	X
T2-7a (1.5-1.8)		1031	X		X								1	X
T2-7E		1032	X		X								1	X
T2-8 (1.5-1.8)		1033	X		X								1	X
T2-8a (1.5-1.8)		1034	X		X								1	X
T2-8E	9-22-17	1035	X		X								1	X

Turnaround Time (TAT) Requested (please circle)
Standard Rush
(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed:

E-mail address:

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

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-26-17	1255	[signature]	9/26/17	1255
[signature]	9/26/17	1715			
			[signature]	9/26/17	1715

EDD Required? Yes No
If yes, format:

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

Relinquished by Commercial Carrier:
UPS FedEx Other

Temperature upon receipt 1.1-2.4 °C

Environmental Analysis Request/Chain of Custody

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Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # 11289 Group # 1855180 Sample # 9229368-B7

COC # 528669 14 of 25

For Lab Use Only
FSC:
SCR#:

Client Information

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

Matrix

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

Analysis Requested

Preservation Codes

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

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	PCBs 3550B
T2-21W	9-22-17	1116	X		1	X
T2-21WMS		1116	X		1	X
T2-21WMSD		1116	X		1	X
DUP2-1		1116	X		1	X
T2-21 (1.5-1.8)		1117	X		1	X
T2-21E		1118	X		1	X
T2-22W		1119	X		1	X
T2-22 (1.5-1.8)		1120	X		1	X
T2-22E		1121	X		1	X
T2-23W	9-22-17	1122	X		1	X

Turnaround Time (TAT) Requested (please circle)
Standard Rush
(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: ____

E-mail address: ____

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

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-26-17	1255	[signature]	9-26-17	[illegible]
[signature]	9-26-17	1115			
			[signature]	9/26/17	1715

EDD Required? Yes No
If yes, format: ____

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

Relinquished by Commercial Carrier:
UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.1-2.4 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 195535

Group Number(s): 1855180

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/26/2017 17:15
Number of Packages:	5	Number of Projects:	4
State/Province of Origin:	DE		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

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

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	1.3	DT	Wet	Y	Bagged	N
2	DT42-01	1.6	DT	Wet	Y	Bagged	N
3	DT42-01	1.8	DT	Wet	Y	Bagged	N
4	DT42-01	1.1	DT	Wet	Y	Bagged	N
5	DT42-01	2.4	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

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

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

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

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

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

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

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

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

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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: ATG95

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9229368	T2-5E		X	100	
9229369	T2-6(1.5-1.8)		X	500	
9229370	T2-6a(1.5-1.8)		X	20	
9229371	T2-6E		X	200	
9229372	T2-7(1.5-1.8)		X	50	
9229373	T2-7a(1.5-1.8)		X	20	
9229374	T2-7E		X	1000	
9229375	T2-8(1.5-1.8)		X	500	
9229376	T2-8a(1.5-1.8)		X	2000	
9229377	T2-8E		X	1000	
9229378	T2-21W		X	50	Unspiked
9229379	T2-21WMS		X	50	Matrix Spike
9229380	T2-21WMSD		X	50	Matrix Spike Duplicate
9229381	DUP2-1		X	100	Field Duplicate Sample
9229382	T2-21(1.5-1.8)		X	200	
9229383	T2-21E		X	5000	
9229384	T2-22W		X	50	
9229385	T2-22(1.5-1.8)		X	500	
9229386	T2-22E		X	20000	
9229387	T2-23W		X	100	

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATG95

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

CALIBRATION/STANDARDIZATION:

(Sample number(s): 9229368-9229387: Analysis: 10225)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

(Sample number(s): 9229369-9229370, 9229372-9229373, 9229375-9229384: Analysis: 10225)
Z =The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported.

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#: 172780031A (Sample number(s): 9229385-9229387, UNSPK: 9229385)
The recovery(ies) for the following analyte(s) in the MS and MSD were below the acceptance window: PCB-1016, PCB-1260

Batch#: 172760009A (Sample number(s): 9229368-9229384, UNSPK: 9229378)
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 MSD were below the acceptance window: PCB-1260
The recovery(ies) for the following analyte(s) in the MS and MSD were below the acceptance window: PCB-1016

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.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATG95

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Batch#: 172780031A (Sample number(s): 9229385-9229387, UNSPK: 9229385)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window: Decachlorobiphenyl-D1 (9229385 MS), Decachlorobiphenyl-D2 (9229386), Tetrachloro-m-xylene-D1 (9229385 MS, 9229385 MSD, 9229385 UNSPK, 9229386), Tetrachloro-m-xylene-D2 (9229385 MS)
The recovery(ies) for the following surrogate(s) were below the acceptance window: Decachlorobiphenyl-D1 (9229386), Tetrachloro-m-xylene-D2 (9229386)

Batch#: 172760009A (Sample number(s): 9229368-9229384, UNSPK: 9229378)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window: Decachlorobiphenyl-D1 (9229374, 9229376, 9229377, 9229382, 9229383), Decachlorobiphenyl-D2 (9229374, 9229377, 9229382, 9229383), Tetrachloro-m-xylene-D1 (9229374, 9229375, 9229376, 9229377, 9229382, 9229383), Tetrachloro-m-xylene-D2 (9229374, 9229382, 9229383)

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: ATG95

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	172760009A	PBLK09276	10/05/2017 09:44:00
		LCS09276	10/05/2017 09:56:00
		9229368	10/06/2017 06:44:00
		9229369	10/05/2017 11:39:00
		9229370	10/05/2017 11:50:00
		9229371	10/06/2017 06:10:00
		9229372	10/05/2017 12:13:00
		9229373	10/05/2017 12:24:00
		9229374	10/06/2017 05:58:00
		9229375	10/05/2017 12:59:00
		9229376	10/05/2017 13:10:00
		9229377	10/05/2017 13:22:00
		9229378 UNSPK	10/05/2017 13:44:00
		9229379 MS	10/05/2017 13:56:00
		9229380 MSD	10/05/2017 14:07:00
		9229381	10/05/2017 14:41:00
		9229382	10/05/2017 14:53:00
		9229383	10/05/2017 15:04:00
		9229384	10/05/2017 15:16:00
PCBs in Solids by 8082/3550	172780031A	PBLK31278	10/12/2017 05:47:00
		LCS31278	10/12/2017 05:58:00
		9229385 UNSPK	10/12/2017 06:09:00
		9229385 MS	10/12/2017 06:21:00
		9229385 MSD	10/12/2017 06:32:00
		9229386	10/12/2017 06:43:00
		9229387	10/12/2017 06:55:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATG95
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172760009A / PBLK09276 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	10/05/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	10/05/17	N.D.	mg/kg	0.015	0.051
PCB-1232	10/05/17	N.D.	mg/kg	0.012	0.051
PCB-1242	10/05/17	N.D.	mg/kg	0.012	0.051
PCB-1248	10/05/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	10/05/17	N.D.	mg/kg	0.013	0.051
PCB-1260	10/05/17	N.D.	mg/kg	0.012	0.051

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

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATG95
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172760009A	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
PBLK09276	94	48 - 164	91	48 - 164	96	61 - 152	80	61 - 152
LCS09276	98	48 - 164	98	48 - 164	105	61 - 152	87	61 - 152
9229368	87	48 - 164	102	48 - 164	72	61 - 152	95	61 - 152
9229369	100	48 - 164	115	48 - 164	94	61 - 152	97	61 - 152
9229370	104	48 - 164	124	48 - 164	92	61 - 152	93	61 - 152
9229371	105	48 - 164	108	48 - 164	104	61 - 152	107	61 - 152
9229372	97	48 - 164	107	48 - 164	87	61 - 152	85	61 - 152
9229373	106	48 - 164	125	48 - 164	92	61 - 152	95	61 - 152
9229374	294 *	48 - 164	296 *	48 - 164	412 *	61 - 152	267 *	61 - 152
9229375	118	48 - 164	139	48 - 164	155 *	61 - 152	97	61 - 152
9229376	176 *	48 - 164	139	48 - 164	545 *	61 - 152	126	61 - 152
9229377	170 *	48 - 164	169 *	48 - 164	343 *	61 - 152	146	61 - 152
9229378 UNSPK	100	48 - 164	117	48 - 164	82	61 - 152	90	61 - 152
9229379 MS	93	48 - 164	113	48 - 164	78	61 - 152	85	61 - 152
9229380 MSD	79	48 - 164	105	48 - 164	70	61 - 152	79	61 - 152
9229381	109	48 - 164	136	48 - 164	96	61 - 152	101	61 - 152
9229382	188 *	48 - 164	201 *	48 - 164	156 *	61 - 152	169 *	61 - 152
9229383	280 *	48 - 164	1491 *	48 - 164	1025 *	61 - 152	203 *	61 - 152
9229384	115	48 - 164	142	48 - 164	102	61 - 152	110	61 - 152

172780031A	Decachlorobiphenyl-D1		Decachlorobiphenyl-D2		Tetrachloro-m-xylene-D1		Tetrachloro-m-xylene-D2	
	Spike Added	27.1 ug/kg	Spike Added	27.1 ug/kg	Spike Added	30.6 ug/kg	Spike Added	30.6 ug/kg
Sample	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits
PBLK31278	110	48 - 164	109	48 - 164	102	61 - 152	99	61 - 152
LCS31278	104	48 - 164	104	48 - 164	99	61 - 152	98	61 - 152
9229385 UNSPK	149	48 - 164	122	48 - 164	184 *	61 - 152	117	61 - 152
9229385 MS	187 *	48 - 164	153	48 - 164	221 *	61 - 152	153 *	61 - 152
9229385 MSD	117	48 - 164	88	48 - 164	161 *	61 - 152	97	61 - 152
9229386	0 *	48 - 164	546 *	48 - 164	3856 *	61 - 152	0 *	61 - 152
9229387	152	48 - 164	124	48 - 164	100	61 - 152	112	61 - 152

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

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ATG95
Matrix: SOLID

Pesticide Residue Analysis
Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9229378 MS: 9229379 MSD: 9229380	Batch: **172760009A** (Sample number(s): 9229368-9229384)								
Analyte	**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	0.489 / 0.478	0	0	0	0 *	0 *	80-121	0	50
PCB-1260	0.489 / 0.478	6.53	6.99	2.25	96 (2)	-893 (2)	84-125	103 *	50

UNSPK: 9229385 MS: 9229385 MSD: 9229385	Batch: **172780031A** (Sample number(s): 9229385-9229387)								
Analyte	**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	0.496 / 0.477	0	N.D.	N.D.	0 *	0 *	80-121	0	50
PCB-1260	0.496 / 0.477	0	N.D.	N.D.	0 *	0 *	84-125	0	50

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

Results are being reported on an as received basis.

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

SDG: ATG95
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS09276	Batch: **172760009A** (Sample number(s): 9229368-9229384)							
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	0.493	NA	98	NA	80-121	NA	NA
PCB-1260	0.501	0.581	NA	116	NA	84-125	NA	NA

LCS: LCS31278	Batch: **172780031A** (Sample number(s): 9229385-9229387)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.501	0.461	NA	92	NA	80-121	NA	NA
PCB-1260	0.501	0.542	NA	108	NA	84-125	NA	NA

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727501

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

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	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.88	2.94
Decachlorobiphenyl	6.58	6.58	6.58	6.58	6.58	6.57	6.57	6.54	6.60

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727501

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	1.86E+05	1.71E+05	1.94E+05	1.94E+05	2.01E+05	1.99E+05	1.91E+05	6
Decachlorobiphenyl	1.35E+05	1.21E+05	1.25E+05	1.29E+05	1.31E+05	1.29E+05	1.28E+05	4

Average % RSD: 5

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727501

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.16	3.14	3.18	3308	2996	1	25.25	83532	5.75
	1				3036		2	50.5	153339	
	1				2998		3	101	302813	
	1				2904		4	202	586702	
	1				2918		5	505	1473706	
	1				2809		6	1010	2837388	
	2	3.38	3.36	3.40	3581	3206	1	25.25	90424	6.38
	2				3218		2	50.5	162499	
	2				3131		3	101	316259	
	2				3142		4	202	634777	
	2				3199		5	505	1615683	
	2				2964		6	1010	2993867	
	3	3.49	3.47	3.51	4099	3749	1	25.25	103493	4.66
	3				3729		2	50.5	188305	
	3				3684		3	101	372063	
	3				3701		4	202	747547	
	3				3660		5	505	1848095	
	3				3624		6	1010	3660453	
	4	3.70	3.68	3.72	4584	4350	1	25.25	115751	3.54
	4				4171		2	50.5	210632	
	4				4235		3	101	427694	
	4				4264		4	202	861232	
	4				4413		5	505	2228804	
	4				4431		6	1010	4475484	
	5	3.76	3.74	3.78	3836	3694	1	25.25	96856	3.09
	5				3500		2	50.5	176768	
	5				3659		3	101	369521	
	5				3691		4	202	745549	
	5				3773		5	505	1905488	
	5				3708		6	1010	3744978	
	6	3.95	3.93	3.97	2997	2907	1	25.25	75683	2.18
	6				2837		2	50.5	143276	
	6				2869		3	101	289811	
	6				2973		4	202	600602	
	6				2887		5	505	1458000	
	6				2877		6	1010	2905384	
Aroclor-1221	1	3.06	3.04	3.08	1442	1442	1	200.1	288479	.00
	2	3.11	3.09	3.13	1283	1283	1	200.1	256666	.00
	3	3.16	3.14	3.18	4059	4059	1	200.1	812260	.00

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727501

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.16	3.14	3.18	3499	3499	1	200.6	701887	.00
	2	3.38	3.36	3.40	1397	1397	1	200.6	280274	.00
	3	3.49	3.47	3.51	1679	1679	1	200.6	336846	.00
	4	3.70	3.68	3.72	2003	2003	1	200.6	401782	.00
	5	3.76	3.74	3.78	1603	1603	1	200.6	321516	.00
	6	3.95	3.93	3.97	1603	1603	1	200.6	321516	.00
Aroclor-1242	1	3.16	3.14	3.18	4199	4199	1	200	839868	.00
	2	3.37	3.35	3.39	4413	4413	1	200	882517	.00
	3	3.49	3.47	3.51	5229	5229	1	200	1045851	.00
	4	3.70	3.68	3.72	6124	6124	1	200	1224755	.00
	5	3.76	3.74	3.78	5313	5313	1	200	1062692	.00
	6	3.95	3.93	3.97	4096	4096	1	200	819137	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727501

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.70	3.68	3.72	2187	1941	1	25.08	54841	8.44
	1				1954		2	50.16	98029	
	1				2070		3	100.32	207639	
	1				1877		4	200.64	376664	
	1				1774		5	501.6	889912	
	1				1782		6	1003.2	1788193	
	2	3.76	3.74	3.78	2378	2187	1	25.08	59634	6.14
	2				2134		2	50.16	107051	
	2				2311		3	100.32	231868	
	2				2192		4	200.64	439749	
	2				2040		5	501.6	1023312	
	2				2069		6	1003.2	2075586	
	3	3.83	3.81	3.85	4227	3831	1	25.08	106020	6.26
	3				3840		2	50.16	192608	
	3				3982		3	100.32	399508	
	3				3687		4	200.64	739842	
	3				3596		5	501.6	1803682	
	3				3652		6	1003.2	3663743	
	4	3.95	3.93	3.97	4641	4333	1	25.08	116392	4.80
	4				4244		2	50.16	212871	
	4				4489		3	100.32	450334	
	4				4375		4	200.64	877738	
	4				4091		5	501.6	2052292	
	4				4161		6	1003.2	4174371	
	5	4.04	4.02	4.06	3509	3395	1	25.08	88016	2.51
	5				3281		2	50.16	164575	
	5				3443		3	100.32	345410	
	5				3443		4	200.64	690777	
	5				3323		5	501.6	1666816	
	5				3373		6	1003.2	3384187	
	6	4.22	4.20	4.24	3185	3252	1	25.08	79888	2.83
	6				3105		2	50.16	155762	
	6				3354		3	100.32	336501	
	6				3261		4	200.64	654233	
	6				3286		5	501.6	1648077	
	6				3320		6	1003.2	3330982	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727501

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.54	4.52	4.56	3856	3893	1	25.12	96874	2.91
	1				3926		2	50.24	197251	
	1				3877		3	100.48	389537	
	1				3700		4	251.2	929494	
	1				3965		5	502.4	1992173	
	1				4031		6	1004.8	4050246	
	2	4.60	4.58	4.62	7480	7834	1	25.12	187908	4.74
	2				7770		2	50.24	390380	
	2				7385		3	100.48	742000	
	2				7857		4	251.2	1973713	
	2				8274		5	502.4	4156864	
	2				8238		6	1004.8	8277764	
	3	4.72	4.70	4.74	2774	2555	1	25.12	69678	5.97
	3				2652		2	50.24	133258	
	3				2606		3	100.48	261824	
	3				2475		4	251.2	621815	
	3				2479		5	502.4	1245480	
	3				2344		6	1004.8	2355698	
	4	4.81	4.79	4.83	4028	4349	1	25.12	101192	8.22
	4				4092		2	50.24	205590	
	4				4168		3	100.48	418759	
	4				4286		4	251.2	1076727	
	4				4540		5	502.4	2280768	
	4				4979		6	1004.8	5002738	
	5	5.00	4.98	5.02	2789	3099	1	25.12	70050	11.28
	5				2780		2	50.24	139678	
	5				2951		3	100.48	296527	
	5				3024		4	251.2	759595	
	5				3422		5	502.4	1718994	
	5				3630		6	1004.8	3647372	
	6	5.12	5.10	5.14	5420	5439	1	25.12	136151	3.29
	6				5254		2	50.24	263968	
	6				5299		3	100.48	532486	
	6				5342		4	251.2	1342023	
	6				5641		5	502.4	2834152	
	6				5676		6	1004.8	5703361	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727501

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.72	4.70	4.74	6585	6162	1	25.21	165998	4.81
	1				5882		2	50.41	296508	
	1				6051		3	100.82	610076	
	1				5839		4	201.64	1177417	
	1				6197		5	504.1	3123785	
	1				6417		6	1008.2	6469684	
	2	4.92	4.90	4.94	7147	6825	1	25.21	180169	4.80
	2				6270		2	50.41	316087	
	2				6618		3	100.82	667197	
	2				6900		4	201.64	1391364	
	2				7080		5	504.1	3569117	
	2				6933		6	1008.2	6989586	
	3	5.13	5.11	5.15	8070	8243	1	25.21	203446	8.14
	3				7383		2	50.41	372176	
	3				7654		3	100.82	771655	
	3				8379		4	201.64	1689620	
	3				9072		5	504.1	4573214	
	3				8898		6	1008.2	8971252	
	4	5.35	5.33	5.37	4385	4421	1	25.21	110534	4.04
	4				4124		2	50.41	207886	
	4				4363		3	100.82	439895	
	4				4452		4	201.64	897705	
	4				4591		5	504.1	2314212	
	4				4612		6	1008.2	4649759	
	5	5.59	5.57	5.61	10510	10365	1	25.21	264956	7.34
	5				9091		2	50.41	458300	
	5				10038		3	100.82	1012044	
	5				10328		4	201.64	2082494	
	5				10988		5	504.1	5538930	
	5				11233		6	1008.2	11325390	
	6	5.80	5.78	5.82	6510	6719	1	25.21	164119	8.57
	6				5840		2	50.41	294376	
	6				6571		3	100.82	662538	
	6				6702		4	201.64	1351446	
	6				7210		5	504.1	3634373	
	6				7480		6	1008.2	7541382	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727501

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.19	5.17	5.21	7437	7437	1	200.8	1493298	.00
	2	5.35	5.33	5.37	6214	6214	1	200.8	1247730	.00
	3	5.59	5.57	5.61	13054	13054	1	200.8	2621245	.00
	4	5.80	5.78	5.82	9064	9064	1	200.8	1820132	.00
	5	5.85	5.83	5.87	4430	4430	1	200.8	889628	.00
	6	6.22	6.20	6.24	5013	5013	1	200.8	1006653	.00
Aroclor-1268	1	5.79	5.77	5.81	16600	16600	1	201	3336690	.00
	2	5.85	5.83	5.87	14076	14076	1	201	2829314	.00
	3	5.98	5.96	6.00	14172	14172	1	201	2848663	.00
	4	6.05	6.03	6.07	3261	3261	1	201	655470	.00
	5	6.22	6.20	6.24	5166	5166	1	201	1038344	.00
	6	6.42	6.40	6.44	46057	46057	1	201	9257450	.00

File Name: V:\CP20\20pcbs1727501.CAL
Version: 9

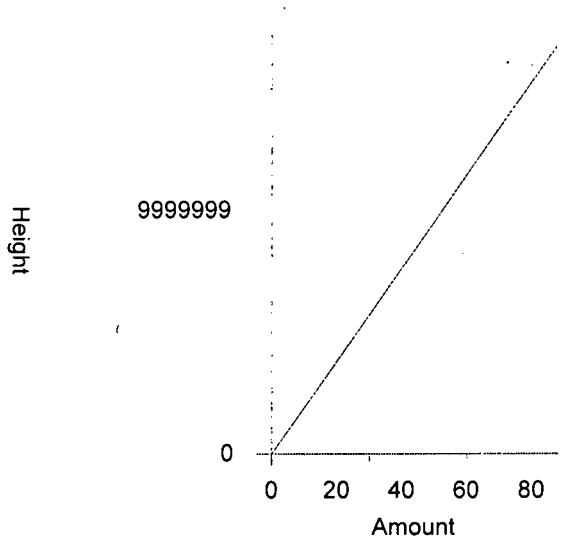
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.909 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0.1
Low alarm limit: 0
Component constant: 0

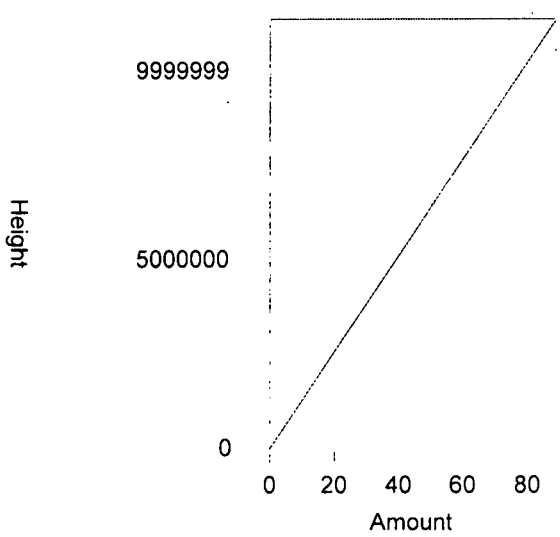
Single peak quantification by height

Y = 190836.3 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9957976
Average error: 4.185%
Average CF: 190836.3
RSD: 5.657%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	372541.2	186270.6	-2.392	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.007.E
2	4	685773.8	171443.5	-10.162	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.008.E
3	20	3874195	193709.8	1.506	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.009.E
4	40	7740983	193524.6	1.409	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.010.E
5	60.8	1.220586E+07	200754.3	5.197	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.011.E
6	80	1.594521E+07	199315.1	4.443	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.012.E

2 DCB



Expected retention time:	6.577 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 128138.4 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9996606
Average error:	2.712%
Average CF:	128138.4
RSD:	3.807%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	271950.6	135298.8	5.588	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.0
2	4.02	486500.8	121020.1	-5.555	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.0
3	20.12	2511631	124832.5	-2.580	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.0
4	40.24	5171399	128513.9	0.293	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.0
5	61.16	7983744	130538.7	1.873	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.0
6	80.48	1.035184E+07	128626.2	0.381	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.0

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727501B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

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	2.54	2.54	2.54	2.53	2.54	2.54	2.54	2.51	2.57
Decachlorobiphenyl	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.97	6.03

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727501B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	7.54E+05	6.48E+05	6.40E+05	6.52E+05	6.73E+05	6.68E+05	6.73E+05	6
Decachlorobiphenyl	5.33E+05	4.62E+05	4.36E+05	4.28E+05	4.81E+05	4.85E+05	4.71E+05	8

Average % RSD: 7

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727501B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.82	2.80	2.84	14995	11701	1	25.25	378622	18.31
	1				12763		2	50.5	644521	
	1				12385		3	101	1250904	
	1				11116		4	202	2245495	
	1				9813		5	505	4955472	
	1				9132		6	1010	9223142	
	2	3.15	3.13	3.17	18894	14893	1	25.25	477063	16.61
	2				16218		2	50.5	819018	
	2				15226		3	101	1537848	
	2				14070		4	202	2842064	
	2				12897		5	505	6512912	
	2				12051		6	1010	12171940	
	3	3.34	3.32	3.36	16560	13128	1	25.25	418152	14.00
	3				13233		2	50.5	668242	
	3				13315		3	101	1344836	
	3				12418		4	202	2508397	
	3				11554		5	505	5835006	
	3				11689		6	1010	11806080	
	4	3.41	3.39	3.43	17948	14841	1	25.25	453190	11.21
	4				14954		2	50.5	755185	
	4				14788		3	101	1493613	
	4				14525		4	202	2934108	
	4				13476		5	505	6805224	
	4				13353		6	1010	13486110	
	5	3.47	3.45	3.49	14010	11253	1	25.25	353750	13.87
	5				11699		2	50.5	590781	
	5				11521		3	101	1163662	
	5				10535		4	202	2128011	
	5				9949		5	505	5024243	
	5				9804		6	1010	9902130	
	6	3.57	3.55	3.59	16139	13170	1	25.25	407503	12.91
	6				13757		2	50.5	694718	
	6				13253		3	101	1338568	
	6				12691		4	202	2563650	
	6				11776		5	505	5946662	
	6				11406		6	1010	11519970	
Aroclor-1221	1	2.71	2.69	2.73	6732	6732	1	200.1	1347134	.00
	2	2.77	2.75	2.79	4172	4172	1	200.1	834812	.00
	3	2.82	2.80	2.84	15054	15054	1	200.1	3012298	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727501B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	2.82	2.80	2.84	12990	12990	1	200.6	2605767	.00
	2	3.15	3.13	3.17	7027	7027	1	200.6	1409624	.00
	3	3.34	3.32	3.36	6174	6174	1	200.6	1238515	.00
	4	3.41	3.39	3.43	6597	6597	1	200.6	1323318	.00
	5	3.47	3.45	3.49	4585	4585	1	200.6	919835	.00
	6	3.57	3.55	3.59	5458	5458	1	200.6	1094925	.00
Aroclor-1242	1	2.82	2.80	2.84	15409	15409	1	200	3081750	.00
	2	3.15	3.13	3.17	19071	19071	1	200	3814245	.00
	3	3.34	3.32	3.36	17496	17496	1	200	3499270	.00
	4	3.41	3.39	3.43	19538	19538	1	200	3907635	.00
	5	3.47	3.45	3.49	14719	14719	1	200	2943748	.00
	6	3.57	3.55	3.59	17142	17142	1	200	3428344	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727501B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.34	3.32	3.36	6843	5657	1	25.08	171610	15.47
	1				6094		2	50.16	305665	
	1				6260		3	100.32	628026	
	1				5297		4	200.64	1062822	
	1				4768		5	501.6	2391632	
	1				4683		6	1003.2	4697817	
	2	3.41	3.39	3.43	10671	9001	1	25.08	267624	13.33
	2				9543		2	50.16	478681	
	2				9680		3	100.32	971058	
	2				8797		4	200.64	1764969	
	2				7684		5	501.6	3854056	
	2				7630		6	1003.2	7654768	
	3	3.45	3.43	3.47	18773	15307	1	25.08	470827	14.90
	3				16466		2	50.16	825929	
	3				16136		3	100.32	1618803	
	3				14646		4	200.64	2938580	
	3				13063		5	501.6	6552496	
	3				12760		6	1003.2	12801080	
	4	3.57	3.55	3.59	21705	18171	1	25.08	544370	12.65
	4				19298		2	50.16	967974	
	4				19133		3	100.32	1919444	
	4				17192		4	200.64	3449429	
	4				15817		5	501.6	7934028	
	4				15881		6	1003.2	15932240	
	5	3.66	3.64	3.68	14517	12566	1	25.08	364078	9.94
	5				13015		2	50.16	652841	
	5				13217		3	100.32	1325978	
	5				11960		4	200.64	2399624	
	5				11282		5	501.6	5659102	
	5				11403		6	1003.2	11439200	
	6	3.79	3.77	3.81	19949	18832	1	25.08	500309	4.97
	6				18589		2	50.16	932420	
	6				19627		3	100.32	1968976	
	6				17549		4	200.64	3521013	
	6				18037		5	501.6	9047429	
	6				19239		6	1003.2	19300180	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727501B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.08	4.06	4.10	17088	16208	1	25.12	429252	3.70
	1				16626		2	50.24	835270	
	1				15823		3	100.48	1589919	
	1				15540		4	251.2	3903770	
	1				15751		5	502.4	7913474	
	1				16420		6	1004.8	16499290	
	2	4.14	4.12	4.16	24573	25876	1	25.12	617267	5.80
	2				25208		2	50.24	1266468	
	2				24829		3	100.48	2494863	
	2				25413		4	251.2	6383684	
	2				26679		5	502.4	13403540	
	2				28556		6	1004.8	28693070	
	3	4.23	4.21	4.25	15061	13893	1	25.12	378334	5.43
	3				14523		2	50.24	729656	
	3				13857		3	100.48	1392314	
	3				13165		4	251.2	3307024	
	3				13274		5	502.4	6669000	
	3				13478		6	1004.8	13542510	
	4	4.36	4.34	4.38	9142	9318	1	25.12	229653	2.39
	4				9365		2	50.24	470496	
	4				9225		3	100.48	926926	
	4				9074		4	251.2	2279324	
	4				9411		5	502.4	4727948	
	4				9689		6	1004.8	9735958	
	5	4.46	4.44	4.48	9823	9106	1	25.12	246762	6.18
	5				9472		2	50.24	475849	
	5				9504		3	100.48	954924	
	5				8529		4	251.2	2142418	
	5				8524		5	502.4	4282453	
	5				8783		6	1004.8	8825309	
	6	4.59	4.57	4.61	15927	15597	1	25.12	400082	7.69
	6				14797		2	50.24	743411	
	6				14698		3	100.48	1476818	
	6				14565		4	251.2	3658610	
	6				15881		5	502.4	7978831	
	6				17714		6	1004.8	17798840	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727501B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.36	4.34	4.38	26634	24067	1	25.21	671436	9.21
	1				20907		2	50.41	1053939	
	1				22845		3	100.82	2303213	
	1				23346		4	201.64	4707494	
	1				24160		5	504.1	12178820	
	1				26509		6	1008.2	26726230	
	2	4.46	4.44	4.48	21796	19900	1	25.21	549469	5.57
	2				18465		2	50.41	930801	
	2				19576		3	100.82	1973697	
	2				19356		4	201.64	3902970	
	2				20090		5	504.1	10127550	
	2				20120		6	1008.2	20284670	
	3	4.59	4.57	4.61	20165	19738	1	25.21	508359	12.31
	3				16345		2	50.41	823941	
	3				18073		3	100.82	1822106	
	3				19750		4	201.64	3982308	
	3				20568		5	504.1	10368170	
	3				23527		6	1008.2	23720160	
	4	4.80	4.78	4.82	20551	17720	1	25.21	518092	8.43
	4				17635		2	50.41	888978	
	4				16562		3	100.82	1669737	
	4				16726		4	201.64	3372604	
	4				16857		5	504.1	8497739	
	4				17988		6	1008.2	18135830	
	5	5.00	4.98	5.02	31496	31778	1	25.21	794020	13.27
	5				26089		2	50.41	1315138	
	5				29496		3	100.82	2973751	
	5				30459		4	201.64	6141700	
	5				35206		5	504.1	17747430	
	5				37922		6	1008.2	38233150	
	6	5.26	5.24	5.28	22841	21602	1	25.21	575823	9.19
	6				19445		2	50.41	980231	
	6				20060		3	100.82	2022400	
	6				20416		4	201.64	4116593	
	6				22183		5	504.1	11182540	
	6				24668		6	1008.2	24870430	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727501B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/2/2017 10/3/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.62	4.60	4.64	24324	24324	1	200.8	4884278	.00
	2	4.80	4.78	4.82	25661	25661	1	200.8	5152737	.00
	3	5.00	4.98	5.02	38937	38937	1	200.8	7818488	.00
	4	5.21	5.19	5.23	18443	18443	1	200.8	3703386	.00
	5	5.26	5.24	5.28	28542	28542	1	200.8	5731217	.00
	6	5.64	5.62	5.66	16061	16061	1	200.8	3225079	.00
Aroclor-1268	1	5.21	5.19	5.23	49443	49443	1	201	9938091	.00
	2	5.26	5.24	5.28	46343	46343	1	201	9314869	.00
	3	5.41	5.39	5.43	47211	47211	1	201	9489434	.00
	4	5.48	5.46	5.50	12623	12623	1	201	2537214	.00
	5	5.64	5.62	5.66	15564	15564	1	201	3128414	.00
	6	5.84	5.82	5.86	145867	145867	1	201	29319210	.00

File Name: V:\CP20\20pcbs1727501b.CAL
Version: 15

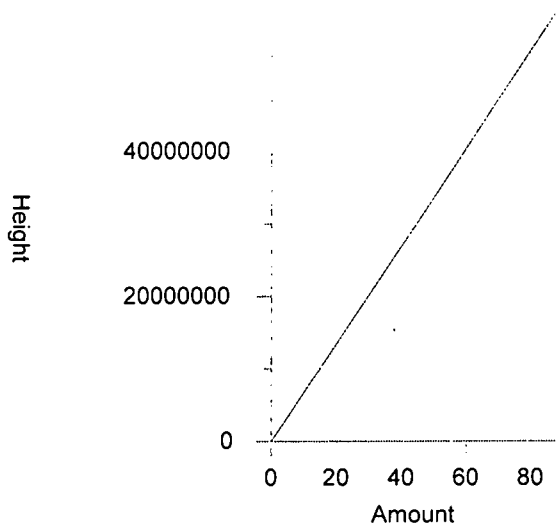
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.534 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0.1
Low alarm limit: 0
Component constant: 0

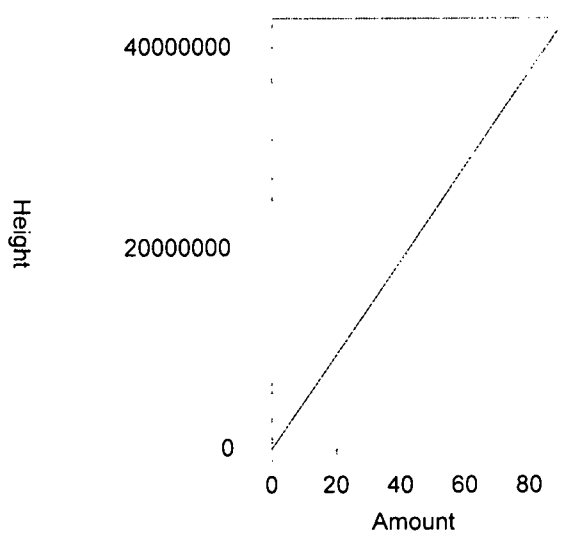
Single peak quantification by height

Y = 672595.6 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9994448
Average error: 4.078%
Average CF: 672595.6
RSD: 6.225%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	1508276	754138	12.124	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B.007
2	4	2590010	647502.5	-3.731	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B.008
3	20	1.280236E+07	640118	-4.829	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B.009
4	40	2.609129E+07	652282.3	-3.020	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B.010
5	60.8	4.093857E+07	673331.8	0.109	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B.011
6	80	5.345609E+07	668201.1	-0.653	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B.012

2 DCB



Expected retention time:	5.998 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 470592.2 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9956429
Average error:	6.133%
Average CF:	470592.2
RSD:	8.114%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	1070620	532646.8	13.186	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B
2	4.02	1856271	461759	-1.877	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B
3	20.12	8762608	435517.3	-7.453	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B
4	40.24	1.721908E+07	427909.5	-9.070	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B
5	61.16	2.941496E+07	480950.9	2.201	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B
6	80.48	3.901425E+07	484769.5	3.013	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001B

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727801

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

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	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.87	2.93
Decachlorobiphenyl	6.57	6.56	6.57	6.57	6.57	6.57	6.57	6.54	6.60

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727801

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	1.85E+05	1.79E+05	1.99E+05	2.03E+05	2.05E+05	2.05E+05	1.96E+05	6
Decachlorobiphenyl	1.45E+05	1.30E+05	1.32E+05	1.36E+05	1.37E+05	1.29E+05	1.35E+05	4

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727801

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.16	3.14	3.18	3424	3151	1	25.25	86460	4.93
	1				3169		2	50.5	160017	
	1				3137		3	101	316791	
	1				3164		4	202	639086	
	1				3042		5	505	1536404	
	1				2968		6	1010	2997428	
	2	3.37	3.35	3.39	3655	3280	1	25.25	92283	6.97
	2				3341		2	50.5	168714	
	2				3353		3	101	338658	
	2				3147		4	202	635702	
	2				3201		5	505	1616349	
	2				2983		6	1010	3013053	
	3	3.48	3.46	3.50	4207	3854	1	25.25	106234	5.15
	3				3839		2	50.5	193851	
	3				3880		3	101	391921	
	3				3834		4	202	774461	
	3				3754		5	505	1895587	
	3				3608		6	1010	3644080	
	4	3.70	3.68	3.72	4632	4579	1	25.25	116946	2.09
	4				4565		2	50.5	230544	
	4				4588		3	101	463427	
	4				4660		4	202	941396	
	4				4631		5	505	2338672	
	4				4396		6	1010	4440144	
	5	3.75	3.73	3.77	3991	3945	1	25.25	100774	1.66
	5				3846		2	50.5	194226	
	5				3917		3	101	395660	
	5				3993		4	202	806657	
	5				3906		5	505	1972477	
	5				4014		6	1010	4054589	
	6	3.94	3.92	3.96	3200	3051	1	25.25	80790	2.59
	6				3058		2	50.5	154446	
	6				3037		3	101	306776	
	6				2995		4	202	604934	
	6				2976		5	505	1503015	
	6				3042		6	1010	3072351	
Aroclor-1221	1	3.05	3.03	3.07	1527	1527	1	200.1	305459	.00
	2	3.11	3.09	3.13	1327	1327	1	200.1	265472	.00
	3	3.15	3.13	3.17	4352	4352	1	200.1	870804	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727801

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.15	3.13	3.17	3701	3701	1	200.6	742365	.00
	2	3.37	3.35	3.39	1477	1477	1	200.6	296191	.00
	3	3.48	3.46	3.50	1804	1804	1	200.6	361971	.00
	4	3.70	3.68	3.72	2173	2173	1	200.6	435934	.00
	5	3.75	3.73	3.77	1767	1767	1	200.6	354439	.00
	6	3.94	3.92	3.96	1244	1244	1	200.6	249524	.00
Aroclor-1242	1	3.15	3.13	3.17	4521	4521	1	200	904228	.00
	2	3.37	3.35	3.39	4741	4741	1	200	948171	.00
	3	3.48	3.46	3.50	5612	5612	1	200	1122435	.00
	4	3.70	3.68	3.72	6984	6984	1	200	1396787	.00
	5	3.75	3.73	3.77	5810	5810	1	200	1162070	.00
	6	3.94	3.92	3.96	4454	4454	1	200	890719	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727801

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.70	3.68	3.72	2344	2098	1	25.08	58787	7.20
	1				2077		2	50.16	104169	
	1				2209		3	100.32	221579	
	1				2033		4	200.64	407957	
	1				1960		5	501.6	983203	
	1				1965		6	1003.2	1971352	
	2	3.75	3.73	3.77	2634	2301	1	25.08	66056	7.90
	2				2312		2	50.16	115952	
	2				2343		3	100.32	235083	
	2				2214		4	200.64	444233	
	2				2169		5	501.6	1087848	
	2				2135		6	1003.2	2142032	
	3	3.82	3.80	3.84	4365	3919	1	25.08	109484	7.55
	3				4024		2	50.16	201834	
	3				4068		3	100.32	408098	
	3				3854		4	200.64	773352	
	3				3586		5	501.6	1798562	
	3				3619		6	1003.2	3630261	
	4	3.94	3.92	3.96	5029	4462	1	25.08	126132	7.07
	4				4489		2	50.16	225170	
	4				4537		3	100.32	455192	
	4				4342		4	200.64	871120	
	4				4149		5	501.6	2081200	
	4				4224		6	1003.2	4237839	
	5	4.03	4.01	4.05	3975	3605	1	25.08	99683	5.59
	5				3597		2	50.16	180409	
	5				3618		3	100.32	362955	
	5				3552		4	200.64	712705	
	5				3522		5	501.6	1766454	
	5				3367		6	1003.2	3378262	
	6	4.21	4.19	4.23	4179	3745	1	25.08	104805	6.75
	6				3634		2	50.16	182277	
	6				3781		3	100.32	379334	
	6				3848		4	200.64	772043	
	6				3541		5	501.6	1776213	
	6				3489		6	1003.2	3500547	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727801

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.53	4.51	4.55	4812	4456	1	25.12	120888	4.87
	1				4487		2	50.24	225451	
	1				4532		3	100.48	455401	
	1				4264		4	251.2	1071175	
	1				4438		5	502.4	2229587	
	1				4202		6	1004.8	4221880	
	2	4.59	4.57	4.61	9690	9079	1	25.12	243408	4.32
	2				8898		2	50.24	447031	
	2				8661		3	100.48	870288	
	2				8805		4	251.2	2211752	
	2				9408		5	502.4	4726471	
	2				9015		6	1004.8	9058147	
	3	4.71	4.69	4.73	3179	2862	1	25.12	79846	7.18
	3				2920		2	50.24	146710	
	3				2969		3	100.48	298340	
	3				2744		4	251.2	689185	
	3				2773		5	502.4	1393088	
	3				2589		6	1004.8	2601902	
	4	4.80	4.78	4.82	6266	6078	1	25.12	157400	2.88
	4				5788		2	50.24	290796	
	4				6145		3	100.48	617429	
	4				5974		4	251.2	1500630	
	4				6080		5	502.4	3054644	
	4				6214		6	1004.8	6244212	
	5	5.00	4.98	5.02	4279	4258	1	25.12	107482	2.37
	5				4256		2	50.24	213824	
	5				4105		3	100.48	412460	
	5				4278		4	251.2	1074735	
	5				4214		5	502.4	2116933	
	5				4415		6	1004.8	4436112	
	6	5.12	5.10	5.14	6676	6300	1	25.12	167690	4.01
	6				6012		2	50.24	302056	
	6				6171		3	100.48	620059	
	6				6384		4	251.2	1603629	
	6				6466		5	502.4	3248732	
	6				6091		6	1004.8	6120656	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727801

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.71	4.69	4.73	6837	6557	1	25.21	172359	2.31
	1				6469		2	50.41	326122	
	1				6554		3	100.82	660726	
	1				6584		4	201.64	1327590	
	1				6398		5	504.1	3225187	
	1				6502		6	1008.2	6554998	
	2	4.91	4.89	4.93	8160	7747	1	25.21	205726	3.04
	2				7582		2	50.41	382211	
	2				7567		3	100.82	762868	
	2				7683		4	201.64	1549201	
	2				7889		5	504.1	3976747	
	2				7600		6	1008.2	7662573	
	3	5.12	5.10	5.14	9577	9333	1	25.21	241447	4.78
	3				8696		2	50.41	438374	
	3				8892		3	100.82	896458	
	3				9852		4	201.64	1986492	
	3				9578		5	504.1	4828202	
	3				9406		6	1008.2	9483308	
	4	5.35	5.33	5.37	4794	4717	1	25.21	120854	1.97
	4				4628		2	50.41	233277	
	4				4802		3	100.82	484135	
	4				4604		4	201.64	928306	
	4				4673		5	504.1	2355744	
	4				4802		6	1008.2	4841778	
	5	5.58	5.56	5.60	12365	12358	1	25.21	311717	6.38
	5				10870		2	50.41	547949	
	5				12237		3	100.82	1233736	
	5				12754		4	201.64	2571722	
	5				12969		5	504.1	6537734	
	5				12952		6	1008.2	13057980	
	6	5.79	5.77	5.81	8554	7987	1	25.21	215641	4.39
	6				7596		2	50.41	382907	
	6				7747		3	100.82	781045	
	6				7858		4	201.64	1584555	
	6				8238		5	504.1	4152738	
	6				7927		6	1008.2	7991960	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1727801

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.18	5.16	5.20	8308	8308	1	200.8	1668346	.00
	2	5.35	5.33	5.37	6639	6639	1	200.8	1333183	.00
	3	5.58	5.56	5.60	15620	15620	1	200.8	3136563	.00
	4	5.79	5.77	5.81	10570	10570	1	200.8	2122411	.00
	5	5.84	5.82	5.86	4767	4767	1	200.8	957258	.00
	6	6.21	6.19	6.23	6201	6201	1	200.8	1245250	.00
Aroclor-1268	1	5.79	5.77	5.81	18880	18880	1	201	3794782	.00
	2	5.85	5.83	5.87	16933	16933	1	201	3403515	.00
	3	5.98	5.96	6.00	16229	16229	1	201	3262010	.00
	4	6.04	6.02	6.06	3870	3870	1	201	777940	.00
	5	6.22	6.20	6.24	6341	6341	1	201	1274443	.00
	6	6.42	6.40	6.44	52963	52963	1	201	10645560	.00

File Name: V:\CP20\20pcbs1727801.CAL
Version: 8

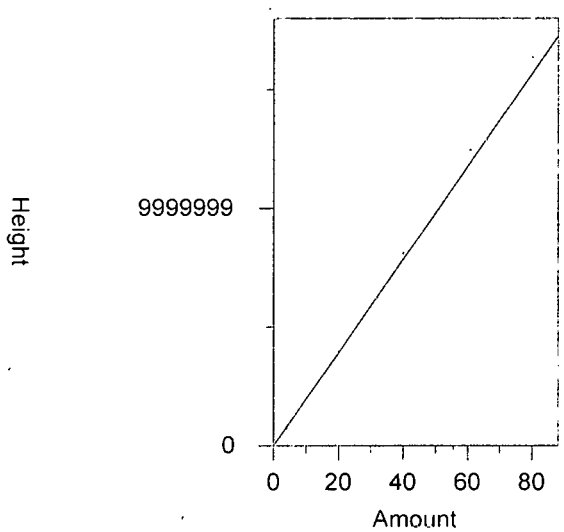
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.904 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0.1
Low alarm limit: 0
Component constant: 0

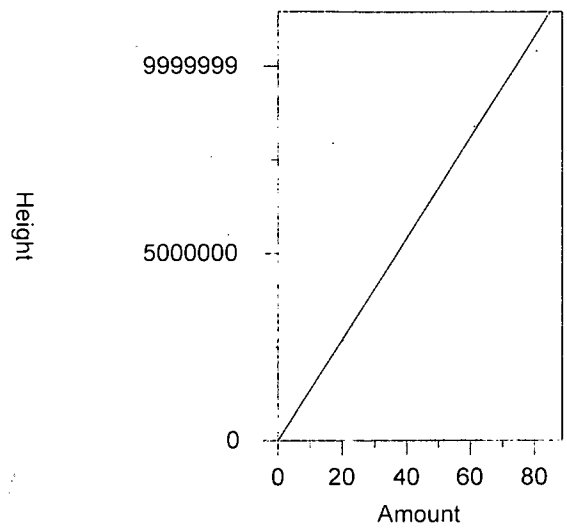
Single peak quantification by height

Y = 196062.1 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9959321
Average error: 4.740%
Average CF: 196062.1
RSD: 5.699%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	370811.5	185405.8	-5.435	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.00
2	4	715364.4	178841.1	-8.783	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.00
3	20	3989967	199498.3	1.753	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.00
4	40	8112340	202808.5	3.441	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.01
5	60.8	1.247552E+07	205189.5	4.655	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.01
6	80	1.637036E+07	204629.5	4.370	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.01

2 DCB



Expected retention time:	6.566 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 134908.2 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9973862
Average error:	3.190%
Average CF:	134908.2
RSD:	4.257%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	291082.9	144817.4	7.345	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS172780
2	4.02	522841.8	130060.2	-3.594	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS172780
3	20.12	2665867	132498.4	-1.786	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS172780
4	40.24	5461286	135717.8	0.600	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS172780
5	61.16	8385052	137100.3	1.625	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS172780
6	80.48	1.040246E+07	129255.2	-4.190	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS172780

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727801B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

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	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.50	2.56
Decachlorobiphenyl	6.00	5.99	6.00	5.99	6.00	6.00	5.99	5.96	6.02

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727801B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	6.36E+05	5.74E+05	5.65E+05	5.77E+05	5.89E+05	6.02E+05	5.90E+05	4
Decachlorobiphenyl	6.18E+05	5.21E+05	4.63E+05	4.62E+05	4.91E+05	5.11E+05	5.11E+05	11

Average % RSD: 8

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727801B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.82	2.80	2.84	13676	10723	1	25.25	345329	17.77
	1				11545		2	50.5	583032	
	1				11310		3	101	1142358	
	1				10380		4	202	2096781	
	1				9049		5	505	4569554	
	1				8380		6	1010	8463576	
	2	3.15	3.13	3.17	16310	13262	1	25.25	411836	14.83
	2				14441		2	50.5	729256	
	2				13550		3	101	1368566	
	2				12823		4	202	2590190	
	2				11436		5	505	5775294	
	2				11014		6	1010	11124460	
	3	3.30	3.28	3.32	14155	12853	1	25.25	357426	5.91
	3				13046		2	50.5	658829	
	3				13036		3	101	1316644	
	3				11996		4	202	2423156	
	3				12584		5	505	6354758	
	3				12300		6	1010	12423060	
	4	3.34	3.32	3.36	15886	13198	1	25.25	401121	12.22
	4				14053		2	50.5	709695	
	4				13233		3	101	1336495	
	4				12733		4	202	2571990	
	4				11655		5	505	5885790	
	4				11631		6	1010	11747280	
	5	3.41	3.39	3.43	17036	14581	1	25.25	430152	10.29
	5				15326		2	50.5	773944	
	5				14753		3	101	1490020	
	5				14206		4	202	2869548	
	5				13141		5	505	6636235	
	5				13024		6	1010	13154320	
	6	3.57	3.55	3.59	14655	12295	1	25.25	370051	12.27
	6				13022		2	50.5	657623	
	6				12667		3	101	1279388	
	6				12009		4	202	2425718	
	6				10844		5	505	5476344	
	6				10574		6	1010	10679590	
Aroclor-1221	1	2.70	2.68	2.72	6193	6193	1	200.1	1239168	.00
	2	2.77	2.75	2.79	3806	3806	1	200.1	761646	.00
	3	2.82	2.80	2.84	14122	14122	1	200.1	2825819	.00

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727801B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	2.82	2.80	2.84	12335	12335	1	200.6	2474496	.00
	2	3.15	3.13	3.17	6432	6432	1	200.6	1290228	.00
	3	3.30	3.28	3.32	6172	6172	1	200.6	1238109	.00
	4	3.34	3.32	3.36	6546	6546	1	200.6	1313066	.00
	5	3.41	3.39	3.43	6877	6877	1	200.6	1379614	.00
	6	3.57	3.55	3.59	5385	5385	1	200.6	1080253	.00
Aroclor-1242	1	2.82	2.80	2.84	14782	14782	1	200	2956454	.00
	2	3.15	3.13	3.17	17942	17942	1	200	3588482	.00
	3	3.30	3.28	3.32	18942	18942	1	200	3788338	.00
	4	3.34	3.32	3.36	18457	18457	1	200	3691363	.00
	5	3.41	3.39	3.43	20083	20083	1	200	4016696	.00
	6	3.57	3.55	3.59	16764	16764	1	200	3352819	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727801B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.34	3.32	3.36	7538	5897	1	25.08	189060	18.14
	1				6470		2	50.16	324541	
	1				6253		3	100.32	627278	
	1				5507		4	200.64	1104976	
	1				4951		5	501.6	2483374	
	1				4662		6	1003.2	4676604	
	2	3.41	3.39	3.43	10774	8646	1	25.08	270206	16.14
	2				9393		2	50.16	471154	
	2				9062		3	100.32	909109	
	2				8276		4	200.64	1660588	
	2				7385		5	501.6	3704107	
	2				6987		6	1003.2	7009360	
	3	3.45	3.43	3.47	17883	14175	1	25.08	448504	16.97
	3				15477		2	50.16	776326	
	3				14962		3	100.32	1501014	
	3				13271		4	200.64	2662730	
	3				11946		5	501.6	5992191	
	3				11512		6	1003.2	11548960	
	4	3.57	3.55	3.59	21498	17281	1	25.08	539178	15.65
	4				18805		2	50.16	943260	
	4				17872		3	100.32	1792878	
	4				16479		4	200.64	3306380	
	4				14802		5	501.6	7424460	
	4				14230		6	1003.2	14275370	
	5	3.66	3.64	3.68	16101	12900	1	25.08	403804	15.29
	5				13832		2	50.16	693798	
	5				13459		3	100.32	1350164	
	5				12004		4	200.64	2408426	
	5				11142		5	501.6	5589050	
	5				10864		6	1003.2	10898320	
	6	3.79	3.77	3.81	28764	23271	1	25.08	721400	13.72
	6				24089		2	50.16	1208319	
	6				24193		3	100.32	2427037	
	6				21954		4	200.64	4404760	
	6				20487		5	501.6	10276350	
	6				20138		6	1003.2	20202690	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727801B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.08	4.06	4.10	23493	19508	1	25.12	590143	12.10
	1				20957		2	50.24	1052871	
	1				19425		3	100.48	1951823	
	1				18060		4	251.2	4536674	
	1				17842		5	502.4	8963671	
	1				17271		6	1004.8	17354100	
	2	4.14	4.12	4.16	39447	33617	1	25.12	990917	9.84
	2				34888		2	50.24	1752787	
	2				33708		3	100.48	3386997	
	2				30136		4	251.2	7570083	
	2				31924		5	502.4	16038600	
	2				31598		6	1004.8	31749860	
	3	4.23	4.21	4.25	20507	16764	1	25.12	515146	14.41
	3				18506		2	50.24	929758	
	3				17164		3	100.48	1724657	
	3				15298		4	251.2	3842753	
	3				14724		5	502.4	7397146	
	3				14387		6	1004.8	14456230	
	4	4.36	4.34	4.38	16160	13196	1	25.12	405950	14.66
	4				14527		2	50.24	729843	
	4				13686		3	100.48	1375150	
	4				12019		4	251.2	3019162	
	4				11500		5	502.4	5777356	
	4				11285		6	1004.8	11339560	
	5	4.45	4.43	4.47	13615	11135	1	25.12	341998	15.63
	5				12455		2	50.24	625743	
	5				11584		3	100.48	1163936	
	5				10496		4	251.2	2636699	
	5				9570		5	502.4	4807942	
	5				9088		6	1004.8	9131537	
	6	4.58	4.56	4.60	29700	24385	1	25.12	746053	12.86
	6				25997		2	50.24	1306078	
	6				24609		3	100.48	2472754	
	6				21385		4	251.2	5371882	
	6				22872		5	502.4	11491020	
	6				21745		6	1004.8	21849580	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727801B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.36	4.34	4.38	32985	29342	1	25.21	831548	7.31
	1				30435		2	50.41	1534233	
	1				29481		3	100.82	2972252	
	1				28338		4	201.64	5713997	
	1				27480		5	504.1	13852810	
	1				27332		6	1008.2	27556090	
	2	4.46	4.44	4.48	25390	22251	1	25.21	640093	7.56
	2				22329		2	50.41	1125600	
	2				22493		3	100.82	2267714	
	2				21260		4	201.64	4286806	
	2				20695		5	504.1	10432590	
	2				21337		6	1008.2	21512270	
	3	4.58	4.56	4.60	32563	28679	1	25.21	820907	7.11
	3				27632		2	50.41	1392934	
	3				28371		3	100.82	2860402	
	3				26785		4	201.64	5400860	
	3				27763		5	504.1	13995440	
	3				28958		6	1008.2	29195100	
	4	4.80	4.78	4.82	22747	19128	1	25.21	573454	10.82
	4				20151		2	50.41	1015826	
	4				19071		3	100.82	1922697	
	4				17969		4	201.64	3623208	
	4				17568		5	504.1	8855850	
	4				17263		6	1008.2	17404550	
	5	4.99	4.97	5.01	46874	43820	1	25.21	1181684	4.81
	5				44310		2	50.41	2233660	
	5				41855		3	100.82	4219864	
	5				41014		4	201.64	8269976	
	5				44167		5	504.1	22264580	
	5				44700		6	1008.2	45066990	
	6	5.25	5.23	5.27	32733	28930	1	25.21	825193	6.81
	6				28868		2	50.41	1455231	
	6				28949		3	100.82	2918680	
	6				27657		4	201.64	5576826	
	6				27344		5	504.1	13784010	
	6				28027		6	1008.2	28256750	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1727801B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 10/5/2017 10/6/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.62	4.60	4.64	26952	26952	1	200.8	5412054	.00
	2	4.80	4.78	4.82	27397	27397	1	200.8	5501218	.00
	3	4.99	4.97	5.01	54097	54097	1	200.8	10862750	.00
	4	5.21	5.19	5.23	21845	21845	1	200.8	4386412	.00
	5	5.25	5.23	5.27	34869	34869	1	200.8	7001723	.00
	6	5.64	5.62	5.66	21821	21821	1	200.8	4381718	.00
Aroclor-1268	1	5.21	5.19	5.23	59368	59368	1	201	11932900	.00
	2	5.26	5.24	5.28	60070	60070	1	201	12074070	.00
	3	5.41	5.39	5.43	53606	53606	1	201	10774760	.00
	4	5.48	5.46	5.50	13735	13735	1	201	2760746	.00
	5	5.64	5.62	5.66	22848	22848	1	201	4592487	.00
	6	5.84	5.82	5.86	185639	185639	1	201	37313370	.00

File Name: V:\CP20\20pcbs1727801b.CAL
Version: 8

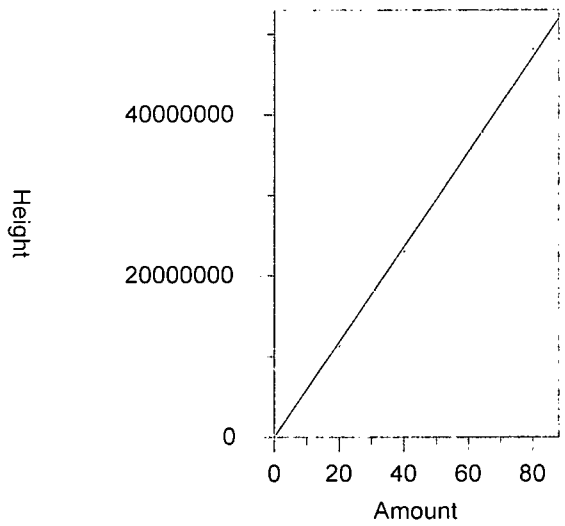
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.533 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0.1
Low alarm limit: 0
Component constant: 0

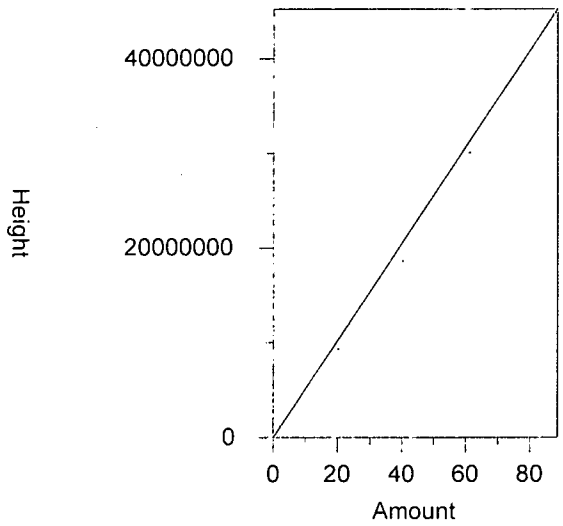
Single peak quantification by height

Y = 590353.9 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.999189
Average error: 3.229%
Average CF: 590353.9
RSD: 4.360%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	1271713	635856.5	7.708	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001B.0
2	4	2296187	574046.8	-2.762	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001B.0
3	20	1.129542E+07	564771	-4.333	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001B.0
4	40	2.307412E+07	576853	-2.287	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001B.0
5	60.8	3.578394E+07	588551.6	-0.305	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001B.0
6	80	4.816354E+07	602044.3	1.980	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001B.0

2 DCB



Expected retention time:	5.994 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 511117.3 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9950365
Average error:	7.669%
Average CF:	511117.3
RSD:	11.331%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	1243120	618467.7	21.003	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278C
2	4.02	2095883	521363.9	2.005	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278C
3	20.12	9312170	462831.5	-9.447	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278C
4	40.24	1.858727E+07	461910.3	-9.627	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278C
5	61.16	3.005307E+07	491384.4	-3.861	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278C
6	80.48	4.110482E+07	510745.8	-0.073	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278C

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

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

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.90	2.96
Decachlorobiphenyl	6.60	6.60	6.60	6.60	6.60	6.60	6.60	6.57	6.63

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

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

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

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

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

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

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

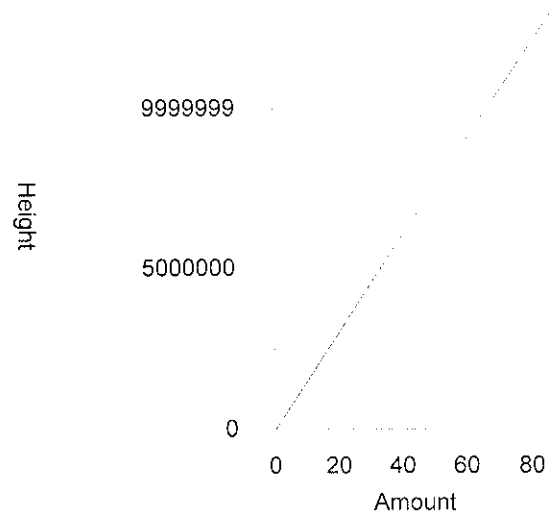
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.93 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

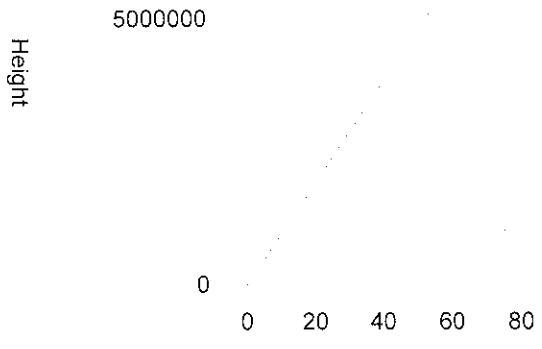
Single peak quantification by height

Y = 150870.8 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9996395
Average error: 1.350%
Average CF: 150870.8
RSD: 1.780%

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

2 DCB



Expected retention time:	6.6 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 96391.43 X + 0

Average CF fit with equal weighting, forced to origin

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

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

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

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

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.58	2.64
Decachlorobiphenyl	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.07	6.13

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

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

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

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

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

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

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

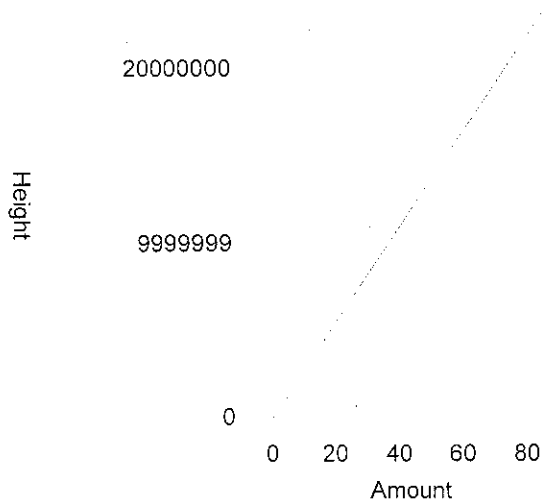
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time:	2.614 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

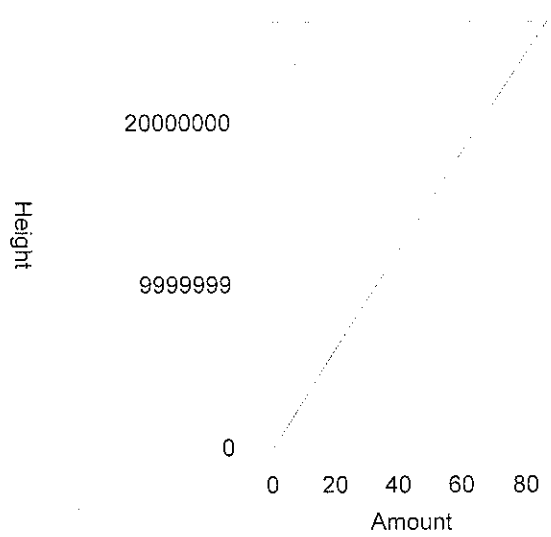
Y = 272436.8 X + 0

Average CF fit with equal weighting, forced to origin

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

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

2 DCB



Expected retention time:	6.098 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 302735.9 X + 0

Average CF fit with equal weighting, forced to origin

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

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

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/03/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 1:55

Lab File ID: 20PCBS17275001.032.RAW Initial Calibration:

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.91	2.88	2.94	41.60	40.00	4
Decachlorobiphenyl	6.57	6.54	6.60	40.11	40.24	0
Aroclor-1016	3.16	3.14	3.18	200.96	201.00	0
	3.38	3.36	3.40	205.60	201.00	2
	3.49	3.47	3.51	205.98	201.00	2
	3.70	3.68	3.72	205.01	201.00	2
	3.76	3.74	3.78	201.44	201.00	0
	3.95	3.93	3.97	203.66	201.00	1
Aroclor-1260	4.72	4.70	4.74	196.59	201.80	-3
	4.92	4.90	4.94	190.91	201.80	-5
	5.12	5.11	5.15	187.07	201.80	-7
	5.35	5.33	5.37	197.94	201.80	-2
	5.59	5.57	5.61	191.32	201.80	-5
	5.80	5.78	5.82	190.33	201.80	-6

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/03/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 1:55

Lab File ID: 20PCBS17275001B.032.RAW Initial Calibration:

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.51	2.57	38.77	40.00	-3
Decachlorobiphenyl	6.00	5.97	6.03	38.21	40.24	-5
Aroclor-1016	2.82	2.80	2.84	193.89	201.00	-4
	3.15	3.13	3.17	199.74	201.00	-1
	3.34	3.32	3.36	196.50	201.00	-2
	3.41	3.39	3.43	199.29	201.00	-1
	3.47	3.45	3.49	201.59	201.00	0
	3.57	3.55	3.59	189.62	201.00	-6
Aroclor-1260	4.36	4.34	4.38	179.82	201.80	-11
	4.46	4.44	4.48	187.45	201.80	-7
	4.59	4.57	4.61	181.13	201.80	-10
	4.80	4.78	4.82	200.32	201.80	-1
	5.00	4.98	5.02	182.05	201.80	-10
	5.26	5.24	5.28	187.63	201.80	-7

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/03/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 2:07

Lab File ID: 20PCBS17275001.033.RAW Initial Calibration:

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.91	2.88	2.94	39.35	40.00	-2
Decachlorobiphenyl	6.58	6.54	6.60	37.60	40.24	-7
Aroclor-1248	3.70	3.68	3.72	188.85	200.60	-6
	3.76	3.74	3.78	179.06	200.60	-11
	3.83	3.81	3.85	186.40	200.60	-7
	3.95	3.93	3.97	190.23	200.60	-5
	4.04	4.02	4.06	199.56	200.60	-1
	4.21	4.20	4.24	202.98	200.60	1

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/03/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 2:07

Lab File ID: 20PCBS17275001B.033.RAW Initial Calibration:

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.51	2.57	37.29	40.00	-7
Decachlorobiphenyl	6.00	5.97	6.03	33.53	40.24	-17
Aroclor-1248	3.34	3.32	3.36	176.18	200.60	-12
	3.41	3.39	3.43	181.48	200.60	-10
	3.45	3.43	3.47	181.90	200.60	-9
	3.57	3.55	3.59	186.14	200.60	-7
	3.66	3.64	3.68	184.03	200.60	-8
	3.79	3.77	3.81	187.31	200.60	-7

Compounds 8 Average of %D: 10

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/03/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 2:18

Lab File ID: 20PCBS17275001.034.RAW Initial Calibration:

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.91	2.88	2.94	19.45	20.15	-3
Decachlorobiphenyl	6.57	6.54	6.60	18.72	20.19	-7
Aroclor-1254	4.54	4.52	4.56	222.39	250.00	-11
	4.60	4.58	4.62	230.62	250.00	-8
	4.72	4.70	4.74	228.59	250.00	-9
	4.81	4.79	4.83	233.78	250.00	-6
	5.01	4.98	5.02	228.87	250.00	-8
	5.12	5.10	5.14	225.65	250.00	-10

Compounds 8 Average of %D: 8

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/03/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 2:18

Lab File ID: 20PCBS17275001B.034.RAW Initial Calibration:

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.51	2.57	17.84	20.15	-11
Decachlorobiphenyl	6.00	5.97	6.03	17.22	20.19	-15
Aroclor-1254	4.08	4.06	4.10	228.97	250.00	-8
	4.14	4.12	4.16	226.66	250.00	-9
	4.23	4.21	4.25	224.65	250.00	-10
	4.36	4.34	4.38	242.13	250.00	-3
	4.46	4.44	4.48	226.97	250.00	-9
	4.59	4.57	4.61	225.56	250.00	-10

Compounds 8 Average of %D: 9

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/06/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 3:42

Lab File ID: 20PCBS17278001.032.RAW Initial Calibration: 20PCBS1727801

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.90	2.87	2.93	41.87	40.00	5
Decachlorobiphenyl	6.56	6.54	6.60	39.97	40.24	-1
Aroclor-1016	3.15	3.14	3.18	198.56	201.00	-1
	3.37	3.35	3.39	216.18	201.00	8
	3.48	3.46	3.50	219.49	201.00	9
	3.70	3.68	3.72	208.70	201.00	4
	3.75	3.73	3.77	213.97	201.00	6
	3.94	3.92	3.96	210.61	201.00	5
Aroclor-1260	4.71	4.69	4.73	204.27	201.80	1
	4.91	4.89	4.93	191.30	201.80	-5
	5.11	5.10	5.14	183.90	201.80	-9
	5.34	5.33	5.37	202.50	201.80	0
	5.58	5.56	5.60	196.28	201.80	-3
	5.79	5.77	5.81	196.58	201.80	-3

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/06/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 3:42

Lab File ID: 20PCBS17278001B.032.RAW Initial Calibration: 20PCBS1727801B

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	39.60	40.00	-1
Decachlorobiphenyl	5.99	5.96	6.02	39.10	40.24	-3
Aroclor-1016	2.82	2.80	2.84	195.87	201.00	-3
	3.14	3.13	3.17	201.66	201.00	0
	3.30	3.28	3.32	203.64	201.00	1
	3.34	3.32	3.36	204.05	201.00	2
	3.41	3.39	3.43	207.68	201.00	3
	3.57	3.55	3.59	200.11	201.00	0
Aroclor-1260	4.36	4.34	4.38	185.61	201.80	-8
	4.46	4.44	4.48	192.52	201.80	-5
	4.58	4.56	4.60	185.40	201.80	-8
	4.80	4.78	4.82	197.42	201.80	-2
	4.99	4.97	5.01	189.43	201.80	-6
	5.25	5.23	5.27	183.82	201.80	-9

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IC16X1724C** IC16XAA ID: AA **Batchnumber: 1727799999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 03:42:04
Instrument : CP20--17342A
Result file : 20PCBS17278001.032.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 105% (53-140) Conc.: 41.87246
%SSR(DCB) : 99% (45-143) Conc.: 39.97245

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**3.46**	
3.14	3.15	3.18	625573.4	198.560238			1
3.35	3.37	3.39	709058.8	216.180368			2
+ 3.35	3.38	3.39	333020.7	101.532535			2
3.46	3.48	3.50	845832.4	219.488359			3
3.68	3.70	3.72	955600.5	208.701605			4
3.73	3.75	3.77	844054.1	213.971451			5
3.92	3.94	3.96	642635.4	210.605203			6
Height Summation:			**4622754.6**				
Amount Avg CF:			**211.251204**	Linear:			
Aroclor-1221					**3**	**31.24**	
3.03	3.05	3.07	113910.1	74.620198			1
3.09	3.11	3.13	152766.8	115.148252			2
3.13	3.15	3.17	625573.4	143.749038			3
Height Summation:			**892250.3**				
Amount Avg CF:			**111.172496**	Linear:			
Aroclor-1232					**6**	**30.08**	
3.13	3.15	3.17	625573.4	169.040868			1
E 3.35	3.37	3.39	709058.8	480.221193			2
E+ 3.35	3.38	3.39	333020.7	225.543492			2
E 3.46	3.48	3.50	845832.4	468.750202			3
E 3.68	3.70	3.72	955600.5	439.730464			4
E 3.73	3.75	3.77	844054.1	477.704915			5
E 3.92	3.94	3.96	642635.4	516.634317			6
Height Summation:			**4622754.6**				
Amount Avg CF:			**425.346993**	Linear:			
Aroclor-1242					**6**	**3.93**	
3.13	3.15	3.17	625573.4	138.366297			1
3.35	3.37	3.39	709058.8	149.563486			2
+ 3.35	3.38	3.39	333020.7	70.244861			2
3.46	3.48	3.50	845832.4	150.713832			3
3.68	3.70	3.72	955600.5	136.828378			4
3.73	3.75	3.77	844054.1	145.267342			5
3.92	3.94	3.96	642635.4	144.295878			6
Height Summation:			**4622754.6**				
Amount Avg CF:			**144.172535**	Linear:			
Aroclor-1248					**6**	**63.83**	
3.68	3.70	3.72	955600.5	455.484845			1
3.73	3.75	3.77	844054.1	366.798739			2
3.80	3.82	3.84	534993.9	136.501749			3
3.92	3.94	3.96	642635.4	144.030674			4
4.01	4.03	4.05	505010.6	140.082743			5
4.19	4.19	4.23	456757.1	121.951723			6
+ 4.19	4.21	4.23	41484.18	11.076056			6
Height Summation:			**3939051.6**				
Amount Avg CF:			**227.475079**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 03:42:04
Instrument : CP20--17342B
Result file : 20PCBS17278001B.032.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 99% (53-140) Conc.: 39.6017
%SSR(DCB) : 97% (45-143) Conc.: 39.09653

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**1.98**	
2.80	2.82	2.84	2100361	195.866578			1
3.13	3.14	3.17	2674476	201.658338			2
+ 3.28	3.29	3.32	934518	72.708875			3
3.28	3.30	3.32	2617349	203.639203			3
+* 3.32	3.32	3.36	85693.95	6.492737			4
+* 3.28	3.32	3.32	85693.95	6.667299			3
3.32	3.34	3.36	2693168	204.052112			4
3.39	3.41	3.43	3028147	207.680344			5
3.55	3.57	3.59	2460452	200.113939			6
Height Summation:			**15573953**				
Amount Avg CF:			**202.168419**	Linear:			
Aroclor-1221					**3**	**30.12**	
2.68	2.70	2.72	504270.7	81.429287			1
+ 2.75	2.75	2.79	307484.8	80.782553			2
2.75	2.76	2.79	409856.6	107.677721			2
2.80	2.82	2.84	2100361	148.729355			3
Height Summation:			**3014488.3**				
Amount Avg CF:			**112.612121**	Linear:			
Aroclor-1232					**6**	**27.75**	
2.80	2.82	2.84	2100361	170.269993			1
E 3.13	3.14	3.17	2674476	415.817891			2
+ 3.28	3.29	3.32	934518	151.411799			3
E 3.28	3.30	3.32	2617349	424.066225			3
+ 3.32	3.32	3.36	85693.95	13.091654			4
E 3.32	3.34	3.36	2693168	411.441238			4
E 3.39	3.41	3.43	3028147	440.301627			5
E 3.55	3.57	3.59	2460452	456.899144			6
Height Summation:			**15573953**				
Amount Avg CF:			**386.46602**	Linear:			
Aroclor-1242					**6**	**3.19**	
2.80	2.82	2.84	2100361	142.0865			1
3.13	3.14	3.17	2674476	149.058906			2
+ 3.28	3.29	3.32	934518	49.336569			3
3.28	3.30	3.32	2617349	138.179275			3
+ 3.32	3.32	3.36	85693.95	4.642944			4
3.32	3.34	3.36	2693168	145.917267			4
3.39	3.41	3.43	3028147	150.778003			5
3.55	3.57	3.59	2460452	146.769152			6
Height Summation:			**15573953**				
Amount Avg CF:			**145.46485**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IC16X1724C** IC16XAA ID: AA **Batchnumber: 1727799999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 03:42:04
Instrument : CP20--17342A
Result file : 20PCBS17278001.032.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**105.64**	
+ 4.51	4.53	4.55	48476.72	10.878988			1
4.51	4.54	4.55	142925.6	32.0749			1
4.57	4.59	4.61	320075.1	35.252872			2
4.69	4.71	4.73	1339460	467.965676			3
4.78	4.80	4.82	176212.8	28.992551			4
4.98	5.00	5.02	713131.6	167.489237			5
5.10	5.11	5.14	1716436	272.446529			6
Height Summation:			**4408241.1**				
Amount Avg CF:			**167.370294**	Linear:			
Aroclor-1260					**6**	**3.82**	
4.69	4.71	4.73	1339460	204.272133			1
4.89	4.91	4.93	1481947	191.29617			2
5.10	5.11	5.14	1716436	183.900611			3
5.33	5.34	5.36	955207.2	202.497362			4
5.56	5.58	5.60	2425598	196.281251			5
5.77	5.79	5.81	1570024	196.581504			6
Height Summation:			**9488672.2**				
Amount Avg CF:			**195.804839**	Linear:			
Aroclor-1262					**6**	**28.41**	
5.16	5.18	5.20	932982.5	112.292586			1
5.33	5.34	5.36	955207.2	143.870426			2
5.56	5.58	5.60	2425598	155.284647			3
5.77	5.79	5.81	1570024	148.539005			4
5.82	5.84	5.86	320103.3	67.146728			5
6.19	6.21	6.23	614602.1	99.106285			6
Height Summation:			**6818517.1**				
Amount Avg CF:			**121.039946**	Linear:			
Aroclor-1268					**6**	**89.74**	
5.77	5.79	5.81	1570024	83.160198			1
5.83	5.84	5.86	320103.3	18.90421			2
5.96	5.98	6.00	72735.45	4.481846			3
6.02	6.06	6.06	276062.1	71.327457			4
6.20	6.21	6.24	614602.1	96.93256			5
6.40	6.41	6.44	263226.6	4.970011			6
Height Summation:			**3116753.55**				
Amount Avg CF:			**46.62938**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 03:42:04
Instrument : CP20--17342B
Result file : 20PCBS17278001B.032.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**67.88**	
+ 3.32	3.32	3.36	85693.95	14.532193			1
3.32	3.34	3.36	2693168	456.714117			1
3.39	3.41	3.43	3028147	350.23056			2
3.43	3.45	3.47	1989657	140.361092			3
3.55	3.57	3.59	2460452	142.379721			4
+ 3.64	3.64	3.68	583555.4	45.236486			5
3.64	3.66	3.68	1719575	133.299306			5
3.77	3.79	3.81	2064622	88.721358			6
Height Summation:			**13955621**				
Amount Avg CF:			**218.617692**	Linear:			
Aroclor-1254					**6**	**71.93**	
4.06	4.08	4.10	542357	27.80185			1
+ 4.12	4.12	4.16	666935.2	19.839262			2
+ 4.12	4.14	4.16	409402.5	12.17846			2
4.12	4.15	4.16	1538592	45.76836			2
4.21	4.22	4.25	4707888	280.826821			3
4.34	4.36	4.38	5446193	412.709036			4
4.43	4.46	4.47	4283668	384.716367			5
4.56	4.58	4.60	5316994	218.046481			6
Height Summation:			**21835692**				
Amount Avg CF:			**228.311486**	Linear:			
Aroclor-1260					**6**	**2.75**	
4.34	4.36	4.38	5446193	185.612325			1
4.44	4.46	4.48	4283668	192.517879			2
4.56	4.58	4.60	5316994	185.399186			3
4.78	4.80	4.82	3776204	197.417108			4
4.97	4.99	5.01	8300889	189.431579			5
5.23	5.25	5.27	5317952	183.823318			6
Height Summation:			**32441900**				
Amount Avg CF:			**189.033566**	Linear:			
Aroclor-1262					**6**	**22.93**	
4.60	4.61	4.64	2845017	105.556858			1
4.78	4.80	4.82	3776204	137.835251			2
4.97	4.99	5.01	8300889	153.443512			3
5.19	5.21	5.23	1837808	84.130685			4
5.23	5.25	5.27	5317952	152.511712			5
5.62	5.63	5.65	2377658	108.960396			6
Height Summation:			**24455528**				
Amount Avg CF:			**123.739736**	Linear:			
Aroclor-1268					**6**	**105.76**	
5.19	5.21	5.23	1837808	30.956382			1
5.24	5.25	5.28	5317952	88.529249			2
5.39	5.41	5.43	332384.4	6.200534			3
5.46	5.48	5.50	174444.1	12.700648			4
5.62	5.63	5.65	2377658	104.063279			5
5.82	5.83	5.86	1093835	5.89228			6
Height Summation:			**11134081.5**				
Amount Avg CF:			**41.390395**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IC16X1724C** IC16XAA ID: AA **Batchnumber: 1727799999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 03:42:04
Instrument : CP20--17342A
Result file : 20PCBS17278001.032.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 06, 2017 03:42:04
Instrument : CP20--17342B
Result file : 20PCBS17278001B.032.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.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		4.39	4	40	
Aroclor-1221			17	4.6		1.29	3	5	
Aroclor-1232			17	8	E	9.58	4	40	
Aroclor-1242			17	3.3		0.89	4	30	
Aroclor-1248			17	3.3		3.97	4	40	
Aroclor-1254			17	3.3		30.80	4	40	
Aroclor-1260			17	4.9		3.52	4	40	
Aroclor-1262			17	3.3		2.21	4	40	
Aroclor-1268			17	3.3		11.90	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/06/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 3:53

Lab File ID: 20PCBS17278001.033.RAW Initial Calibration: 20PCBS1727801

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.90	2.87	2.93	41.54	40.00	4
Decachlorobiphenyl	6.56	6.54	6.60	39.97	40.24	-1
Aroclor-1248	3.70	3.68	3.72	191.28	200.60	-5
	3.75	3.73	3.77	186.16	200.60	-7
	3.82	3.80	3.84	200.76	200.60	0
	3.94	3.92	3.96	203.54	200.60	1
	4.03	4.01	4.05	207.82	200.60	4
	4.21	4.19	4.23	204.34	200.60	2

Compounds 8 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/06/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 3:53

Lab File ID: 20PCBS17278001B.033.RAW Initial Calibration: 20PCBS1727801B

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	39.43	40.00	-1
Decachlorobiphenyl	5.99	5.96	6.02	36.11	40.24	-10
Aroclor-1248	3.34	3.32	3.36	180.58	200.60	-10
	3.41	3.39	3.43	189.23	200.60	-6
	3.44	3.43	3.47	185.24	200.60	-8
	3.57	3.55	3.59	189.39	200.60	-6
	3.66	3.64	3.68	192.20	200.60	-4
	3.79	3.77	3.81	190.94	200.60	-5

Compounds 8 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IC48X1724B** IC48XAA ID: AA **Batchnumber: 1727799999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 03:53:27
Instrument : CP20--17342A
Result file : 20PCBS17278001.033.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 104% (53-140) Conc.: 41.53672
%SSR(DCB) : 99% (45-143) Conc.: 39.96953

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**79.41**	
3.14	3.15	3.18	92583.86	29.386597			1
3.35	3.37	3.39	321724.4	98.088479			2
+ 3.35	3.38	3.39	95022.46	28.970785			2
3.46	3.48	3.50	305852.6	79.366888			3
3.68	3.70	3.72	401297	87.642616			4
3.73	3.75	3.77	428376.5	108.595339			5
3.92	3.94	3.96	908133.2	297.614444			6
Height Summation:			**2457967.56**				
Amount Avg CF:			**116.782394**	Linear:			
Aroclor-1221					**3**	**81.52**	
3.03	3.05	3.07	25860.71	16.940827			1
3.09	3.10	3.13	92617.63	69.810706			2
3.13	3.15	3.17	92583.86	21.274627			3
Height Summation:			**211062.2**				
Amount Avg CF:			**36.00872**	Linear:			
Aroclor-1232					**6**	**92.40**	
3.13	3.15	3.17	92583.86	25.017777			1
E 3.35	3.37	3.39	321724.4	217.892896			2
+ 3.35	3.38	3.39	95022.46	64.355451			2
3.46	3.48	3.50	305852.6	169.499854			3
3.68	3.70	3.72	401297	184.66139			4
E 3.73	3.75	3.77	428376.5	242.446023			5
E 3.92	3.94	3.96	908133.2	730.076145			6
Height Summation:			**2457967.56**				
Amount Avg CF:			**261.599014**	Linear:			
Aroclor-1242					**6**	**79.88**	
3.13	3.15	3.17	92583.86	20.47799			1
3.35	3.37	3.39	321724.4	67.862105			2
+ 3.35	3.38	3.39	95022.46	20.043317			2
3.46	3.48	3.50	305852.6	54.498051			3
3.68	3.70	3.72	401297	57.460014			4
3.73	3.75	3.77	428376.5	73.726454			5
E 3.92	3.94	3.96	908133.2	203.910145			6
Height Summation:			**2457967.56**				
Amount Avg CF:			**79.655793**	Linear:			
Aroclor-1248					**6**	**4.23**	
3.68	3.70	3.72	401297	191.277319			1
3.73	3.75	3.77	428376.5	186.158636			2
3.80	3.82	3.84	786823.6	200.755182			3
3.92	3.94	3.96	908133.2	203.535374			4
4.01	4.03	4.05	749217.9	207.822368			5
4.19	4.21	4.23	765318.1	204.335874			6
Height Summation:			**4039166.3**				
Amount Avg CF:			**198.980792**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 03:53:27
Instrument : CP20--17342B
Result file : 20PCBS17278001B.033.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 99% (53-140) Conc.: 39.43023
%SSR(DCB) : 90% (45-143) Conc.: 36.10588

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**74.19**	
2.80	2.82	2.84	354788.7	33.085383			1
3.13	3.14	3.17	1099045	82.869163			2
+ 3.28	3.29	3.32	932001.4	72.513074			3
3.28	3.30	3.32	1029066	80.06505			3
+* 3.32	3.32	3.36	209847.2	15.899403			4
+* 3.28	3.32	3.32	209847.2	16.32687			3
3.32	3.34	3.36	1064831	80.678597			4
3.39	3.41	3.43	1636142	112.212034			5
3.55	3.57	3.59	3272888	266.191135			6
Height Summation:			**8456760.7**				
Amount Avg CF:			**109.18356**	Linear:			
Aroclor-1221					**3**	**85.93**	
2.68	2.71	2.72	141321.4	22.820483			1
2.75	2.75	2.79	360575	94.730436			2
+ 2.75	2.77	2.79	32268.73	8.477656			2
2.80	2.82	2.84	354788.7	25.123059			3
Height Summation:			**856685.1**				
Amount Avg CF:			**47.557993**	Linear:			
Aroclor-1232					**6**	**86.26**	
2.80	2.82	2.84	354788.7	28.76166			1
3.13	3.14	3.17	1099045	170.875556			2
+ 3.28	3.29	3.32	932001.4	151.004056			3
3.28	3.30	3.32	1029066	166.730586			3
+* 3.32	3.32	3.36	209847.2	32.058821			4
+* 3.28	3.32	3.32	209847.2	33.999711			3
3.32	3.34	3.36	1064831	162.676589			4
E 3.39	3.41	3.43	1636142	237.899938			5
E 3.55	3.57	3.59	3272888	607.766267			6
Height Summation:			**8456760.7**				
Amount Avg CF:			**229.118433**	Linear:			
Aroclor-1242					**6**	**75.78**	
2.80	2.82	2.84	354788.7	24.000962			1
3.13	3.14	3.17	1099045	61.254034			2
+ 3.28	3.29	3.32	932001.4	49.203709			3
3.28	3.30	3.32	1029066	54.328098			3
+* 3.32	3.32	3.36	209847.2	11.369632			4
+* 3.28	3.32	3.32	209847.2	11.078589			3
3.32	3.34	3.36	1064831	57.693107			4
3.39	3.41	3.43	1636142	81.467057			5
3.55	3.57	3.59	3272888	195.232012			6
Height Summation:			**8456760.7**				
Amount Avg CF:			**78.995878**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IC48X1724B** IC48XAA ID: AA **Batchnumber: 1727799999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 03:53:27
Instrument : CP20--17342A
Result file : 20PCBS17278001.033.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**58.02**	
4.51	4.53	4.55	328921.8	73.815564			1
4.57	4.59	4.61	592231.6	65.228019			2
4.69	4.71	4.73	41623.05	14.541799			3
4.78	4.80	4.82	398717.9	65.601643			4
4.98	4.99	5.02	370415.3	86.997373			5
5.10	5.12	5.14	94234.39	14.95764			6
Height Summation:			**1826144.04**				
Amount Avg CF:			**53.523673**	Linear:			
Aroclor-1260					**6**	**102.93**	
4.69	4.71	4.73	41623.05	6.347654			1
4.89	4.91	4.93	21145.43	2.729544			2
+ 4.89	4.92	4.93	14126.34	1.823489			2
5.10	5.12	5.14	94234.39	10.096364			3
5.33	5.34	5.36	4582.006	0.971354			4
5.56	5.58	5.60	6046.135	0.489258			5
5.77	5.79	5.81	11515.64	1.441864			6
Height Summation:			**179146.651**				
Amount Avg CF:			**3.67934**	Linear:			
Aroclor-1262					**6**	**40.16**	
5.16	5.18	5.20	3093.722	0.372356			1
5.33	5.34	5.36	4582.006	0.690128			2
5.56	5.58	5.60	6046.135	0.387068			3
5.77	5.79	5.81	11515.64	1.089488			4
5.82	5.84	5.86	3250.237	0.681789			5
6.19	6.21	6.23	4965.022	0.800624			6
Height Summation:			**33452.762**				
Amount Avg CF:			**0.670242**	Linear:			
Aroclor-1268					**6**	**143.47**	
5.77	5.79	5.81	11515.64	0.609954			1
5.83	5.84	5.86	3250.237	0.191948			2
5.96	5.98	6.00	34176.98	2.105933			3
6.02	6.04	6.06	33391.25	8.627454			4
6.20	6.21	6.24	4965.022	0.783063			5
6.40	6.42	6.44	56235.87	1.061796			6
Height Summation:			**143534.999**				
Amount Avg CF:			**2.230025**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 03:53:27
Instrument : CP20--17342B
Result file : 20PCBS17278001B.033.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**2.29**	
+ 3.32	3.32	3.36	209847.2	35.586409			1
3.32	3.34	3.36	1064831	180.576685			1
3.39	3.41	3.43	1636142	189.233524			2
3.43	3.44	3.47	2625835	185.240505			3
3.55	3.57	3.59	3272888	189.3932			4
+ 3.64	3.64	3.68	589546.9	45.700939			5
3.64	3.66	3.68	2479337	192.195107			5
3.77	3.79	3.81	4443340	190.940114			6
Height Summation:			**15522373**				
Amount Avg CF:			**187.929856**	Linear:			
Aroclor-1254					**6**	**69.48**	
4.06	4.08	4.10	1550904	79.501141			1
4.12	4.14	4.16	2339488	69.592542			2
4.21	4.23	4.25	991842.6	59.163685			3
4.34	4.36	4.38	162467.5	12.311684			4
4.43	4.45	4.47	219526.5	19.715682			5
4.56	4.58	4.60	420726.9	17.253738			6
Height Summation:			**5684955.5**				
Amount Avg CF:			**42.923079**	Linear:			
Aroclor-1260					**6**	**99.96**	
4.34	4.36	4.38	162467.5	5.537073			1
4.44	4.45	4.48	219526.5	9.866025			2
4.56	4.58	4.60	420726.9	14.670399			3
4.78	4.80	4.82	18796.76	0.98268			4
4.97	4.99	5.01	42236.57	0.963865			5
5.23	5.25	5.27	50343.06	1.740187			6
Height Summation:			**914097.29**				
Amount Avg CF:			**5.626705**	Linear:			
Aroclor-1262					**6**	**43.53**	
4.60	4.63	4.64	53050.46	1.968298			1
4.78	4.80	4.82	18796.76	0.686101			2
4.97	4.99	5.01	42236.57	0.780751			3
5.19	5.21	5.23	19839.9	0.908226			4
5.23	5.25	5.27	50343.06	1.443771			5
5.62	5.64	5.65	20953.22	0.960218			6
Height Summation:			**205219.97**				
Amount Avg CF:			**1.124561**	Linear:			
Aroclor-1268					**6**	**128.36**	
5.19	5.21	5.23	19839.9	0.334187			1
5.24	5.25	5.28	50343.06	0.838073			2
5.39	5.41	5.43	152868.5	2.851717			3
5.46	5.48	5.50	123898.3	9.02059			4
5.62	5.64	5.65	20953.22	0.917062			5
5.82	5.84	5.86	255667.2	1.37723			6
Height Summation:			**623570.18**				
Amount Avg CF:			**2.556477**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IC48X1724B** IC48XAA ID: AA **Batchnumber: 1727799999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 03:53:27
Instrument : CP20--17342A
Result file : 20PCBS17278001.033.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 06, 2017 03:53:27
Instrument : CP20--17342B
Result file : 20PCBS17278001B.033.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.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		6.73	4	40	
Aroclor-1221			17	4.6		27.64	3	5	
Aroclor-1232			17	8	E	13.24	4	40	
Aroclor-1242			17	3.3	E	0.83	4	30	
Aroclor-1248			17	3.3		5.71	4	40	
Aroclor-1254			17	3.3		21.98	4	40	
Aroclor-1260			17	4.9		** 41.85	4	40	
Aroclor-1262			17	3.3		** 50.63	4	40	
Aroclor-1268			17	3.3		13.64	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/06/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 4:04

Lab File ID: 20PCBS17278001.034.RAW Initial Calibration: 20PCBS1727801

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.90	2.87	2.93	19.41	20.15	-4
Decachlorobiphenyl	6.56	6.54	6.60	18.88	20.19	-7
Aroclor-1254	4.53	4.51	4.55	219.98	250.00	-12
	4.59	4.57	4.61	229.62	250.00	-8
	4.71	4.69	4.73	222.48	250.00	-11
	4.80	4.78	4.82	231.22	250.00	-8
	5.00	4.98	5.02	237.31	250.00	-5
	5.11	5.10	5.14	229.47	250.00	-8

Compounds 8 Average of %D: 8

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/06/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 4:04

Lab File ID: 20PCBS17278001B.034.RAW Initial Calibration: 20PCBS1727801B

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	18.99	20.15	-6
Decachlorobiphenyl	5.99	5.96	6.02	18.21	20.19	-10
Aroclor-1254	4.08	4.06	4.10	219.13	250.00	-12
	4.14	4.12	4.16	214.68	250.00	-14
	4.23	4.21	4.25	219.40	250.00	-12
	4.36	4.34	4.38	215.98	250.00	-14
	4.45	4.43	4.47	223.30	250.00	-11
	4.58	4.56	4.60	219.02	250.00	-12

Compounds 8 Average of %D: 11

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IC54X1724B** IC54XAA ID: AA **Batchnumber: 1727799999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 04:04:44
Instrument : CP20--17342A
Result file : 20PCBS17278001.034.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 96% (53-140) Conc.: 19.41259
%SSR(DCB) : 93% (45-143) Conc.: 18.87706

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	181.44	
3.14	3.15	3.18	17094.43	5.425861			1
3.35	3.37	3.39	24426.7	7.447299			2
+ 3.35	3.38	3.39	9583.26	2.921778			2
3.46	3.48	3.50	26752.28	6.942054			3
3.68	3.70	3.72	59728.01	13.044501			4
3.73	3.75	3.77	26875	6.812931			5
3.92	3.94	3.96	437443.8	143.359579			6
Height Summation:			**592320.22**				
Amount Avg CF:			**30.505371**	Linear:			
Aroclor-1221					3	124.49	
3.03	3.05	3.07	6430.938	4.212777			1
3.09	3.10	3.13	46794.04	35.271092			2
3.13	3.15	3.17	17094.43	3.928089			3
Height Summation:			**70319.408**				
Amount Avg CF:			**14.470653**	Linear:			
Aroclor-1232					6	191.48	
3.13	3.15	3.17	17094.43	4.619214			1
3.35	3.37	3.39	24426.7	16.543366			2
+ 3.35	3.38	3.39	9583.26	6.490413			2
3.46	3.48	3.50	26752.28	14.825794			3
3.68	3.70	3.72	59728.01	27.484525			4
3.73	3.75	3.77	26875	15.210304			5
E 3.92	3.94	3.96	437443.8	351.674493			6
Height Summation:			**592320.22**				
Amount Avg CF:			**71.726283**	Linear:			
Aroclor-1242					6	181.97	
3.13	3.15	3.17	17094.43	3.781			1
3.35	3.37	3.39	24426.7	5.152383			2
+ 3.35	3.38	3.39	9583.26	2.02142			2
3.46	3.48	3.50	26752.28	4.766829			3
3.68	3.70	3.72	59728.01	8.5522			4
3.73	3.75	3.77	26875	4.625367			5
3.92	3.94	3.96	437443.8	98.222627			6
Height Summation:			**592320.22**				
Amount Avg CF:			**20.850068**	Linear:			
Aroclor-1248					6	94.42	
3.68	3.70	3.72	59728.01	28.469223			1
3.73	3.75	3.77	26875	11.67901			2
3.80	3.82	3.84	713170.3	181.96281			3
3.92	3.94	3.96	437443.8	98.042102			4
4.01	4.03	4.05	190002.7	52.704041			5
4.19	4.19	4.23	1026856	274.165106			6
+ 4.19	4.21	4.23	336117.3	89.741537			6
Height Summation:			**2454075.81**				
Amount Avg CF:			**107.837049**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 04:04:44
Instrument : CP20--17342B
Result file : 20PCBS17278001B.034.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 94% (53-140) Conc.: 18.98672
%SSR(DCB) : 90% (45-143) Conc.: 18.20534

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	174.83	
2.80	2.82	2.84	71275.45	6.646704			1
3.13	3.15	3.17	109129.2	8.228458			2
3.28	3.29	3.32	77503.78	6.030074			3
+ 3.28	3.30	3.32	48014.61	3.73571			3
+* 3.32	3.32	3.36	39346.44	2.981145			4
+* 3.28	3.32	3.32	39346.44	3.061295			3
3.32	3.34	3.36	166276.3	12.598186			4
3.39	3.41	3.43	117975.4	8.091143			5
3.55	3.57	3.59	1626924	132.321285			6
Height Summation:			**2169084.13**				
Amount Avg CF:			**28.985975**	Linear:			
Aroclor-1221					3	126.67	
2.68	2.70	2.72	47176.56	7.618039			1
2.75	2.75	2.79	220264	57.867863			2
2.80	2.82	2.84	71275.45	5.047109			3
Height Summation:			**338716.01**				
Amount Avg CF:			**23.511004**	Linear:			
Aroclor-1232					6	185.00	
2.80	2.82	2.84	71275.45	5.778088			1
3.13	3.15	3.17	109129.2	16.967015			2
3.28	3.29	3.32	77503.78	12.557261			3
+ 3.28	3.30	3.32	48014.61	7.779388			3
+ 3.32	3.32	3.36	39346.44	6.011043			4
3.32	3.34	3.36	166276.3	25.402398			4
3.39	3.41	3.43	117975.4	17.153976			5
E 3.55	3.57	3.59	1626924	302.115296			6
Height Summation:			**2169084.13**				
Amount Avg CF:			**63.329006**	Linear:			
Aroclor-1242					6	175.93	
2.80	2.82	2.84	71275.45	4.821685			1
3.13	3.15	3.17	109129.2	6.082193			2
3.28	3.29	3.32	77503.78	4.091704			3
+ 3.28	3.30	3.32	48014.61	2.534864			3
+ 3.32	3.32	3.36	39346.44	2.131811			4
3.32	3.34	3.36	166276.3	9.008938			4
3.39	3.41	3.43	117975.4	5.874251			5
3.55	3.57	3.59	1626924	97.048126			6
Height Summation:			**2169084.13**				
Amount Avg CF:			**21.154483**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IC54X1724B** IC54XAA ID: AA **Batchnumber: 1727799999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 04:04:44
Instrument : CP20--17342A
Result file : 20PCBS17278001.034.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**2.74**	
4.51	4.53	4.55	980228.7	219.979747			1
4.57	4.59	4.61	2084796	229.61813			2
4.69	4.71	4.73	636808.3	222.48102			3
4.78	4.80	4.82	1405299	231.215912			4
4.98	5.00	5.02	1010402	237.307476			5
5.10	5.11	5.14	1445677	229.469483			6
Height Summation:			**7563211**				
Amount Avg CF:			**228.345294**	Linear:			
Aroclor-1260					**6**	**84.00**	
4.69	4.71	4.73	636808.3	97.115397			1
4.89	4.91	4.93	777452.5	100.356953			2
5.10	5.11	5.14	1445677	154.89123			3
5.33	5.34	5.36	93932.16	19.912972			4
5.56	5.58	5.60	198255.8	16.043011			5
5.77	5.79	5.81	179021.1	22.415095			6
Height Summation:			**3331146.86**				
Amount Avg CF:			**68.455777**	Linear:			
Aroclor-1262					**5**	**62.74**	
5.16	5.18	5.20	43554.73	5.242192			1
5.33	5.34	5.36	93932.16	14.147778			2
5.56	5.58	5.60	198255.8	12.692162			3
5.77	5.79	5.81	179021.1	16.937076			4
6.19	6.21	6.23	11069.65	1.785012			6
Height Summation:			**525833.44**				
Amount Avg CF:			**10.160844**	Linear:			
Aroclor-1268					**5**	**111.78**	
5.77	5.79	5.81	179021.1	9.482295			1
5.96	5.98	6.00	15297.85	0.94263			3
6.02	6.04	6.06	15221	3.932721			4
6.20	6.21	6.24	11069.65	1.74586			5
6.40	6.41	6.44	23549.83	0.444647			6
Height Summation:			**244159.43**				
Amount Avg CF:			**3.309631**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 04:04:44
Instrument : CP20--17342B
Result file : 20PCBS17278001B.034.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**89.37**	
+ 3.32	3.32	3.36	39346.44	6.672467			1
3.32	3.34	3.36	166276.3	28.197548			1
3.39	3.41	3.43	117975.4	13.644843			2
3.43	3.44	3.47	2441286	172.221427			3
3.55	3.57	3.59	1626924	94.145703			4
+ 3.64	3.64	3.68	95963.66	7.438983			5
3.64	3.66	3.68	657106.6	50.938083			5
3.77	3.79	3.81	5577034	239.657444			6
Height Summation:			**10586602.3**				
Amount Avg CF:			**99.800841**	Linear:			
Aroclor-1254					**6**	**1.38**	
4.06	4.08	4.10	4274783	219.130342			1
4.12	4.14	4.16	7216958	214.682208			2
4.21	4.23	4.25	3678120	219.400875			3
4.34	4.36	4.38	2850112	215.979672			4
4.43	4.45	4.47	2486306	223.295225			5
4.56	4.58	4.60	5340822	219.023652			6
Height Summation:			**25847101**				
Amount Avg CF:			**218.585329**	Linear:			
Aroclor-1260					**6**	**91.50**	
4.34	4.36	4.38	2850112	97.134992			1
4.44	4.45	4.48	2486306	111.740303			2
4.56	4.58	4.60	5340822	186.230048			3
4.78	4.80	4.82	266610.3	13.938186			4
4.97	4.99	5.01	695522.6	15.872269			5
5.23	5.25	5.27	780235.8	26.970069			6
Height Summation:			**12419608.7**				
Amount Avg CF:			**75.314311**	Linear:			
Aroclor-1262					**6**	**74.59**	
4.60	4.63	4.64	454302.1	16.855682			1
4.78	4.80	4.82	266610.3	9.731545			2
4.97	4.99	5.01	695522.6	12.856868			3
5.19	5.21	5.23	35642.55	1.631635			4
5.23	5.25	5.27	780235.8	22.376114			5
5.62	5.63	5.65	48731.51	2.233208			6
Height Summation:			**2281044.86**				
Amount Avg CF:			**10.947508**	Linear:			
Aroclor-1268					**6**	**139.71**	
5.19	5.21	5.23	35642.55	0.60037			1
5.24	5.25	5.28	780235.8	12.988776			2
5.39	5.41	5.43	66630.7	1.242976			3
5.46	5.48	5.50	40231.66	2.929123			4
5.62	5.63	5.65	48731.51	2.132839			5
5.82	5.84	5.86	113964.4	0.613904			6
Height Summation:			**1085436.62**				
Amount Avg CF:			**3.417998**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IC54X1724B** IC54XAA ID: AA **Batchnumber: 1727799999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on	: Oct 06, 2017 04:04:44
Instrument	: CP20--17342A
Result file	: 20PCBS17278001.034.RAW
Calibration file	: 20PCBS1727801.CAL
Method file	: 20PCBS.MET

Analysis Report (B)

Injected on	: Oct 06, 2017 04:04:44
Instrument	: CP20--17342B
Result file	: 20PCBS17278001B.034.RAW
Calibration file	: 20PCBS1727801B.CAL
Method file	: 20PCBSB.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		5.11	4	40	
Aroclor-1221			17	4.6		** 47.60	3	5	
Aroclor-1232			17	8	E	12.44	4	40	
Aroclor-1242			17	3.3		1.45	4	30	
Aroclor-1248			17	3.3		7.74	4	40	
Aroclor-1254			17	3.3		4.37	4	40	
Aroclor-1260			17	4.9		9.54	4	40	
Aroclor-1262			17	3.3		7.45	4	40	
Aroclor-1268			17	3.3		3.22	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 25PCBS1728401

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

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 25PCBS1728401B

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

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 25PCBS1728401

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

Compounds 8 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 25PCBS1728401B

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

Compounds 8 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 25PCBS1728401

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

Compounds 8 Average of %D: 8

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 25PCBS1728401B

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

Compounds 8 Average of %D: 8

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/05/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 8:36

Lab File ID: 20PCBS17275004.051.RAW Initial Calibration:

Lab Standard ID: AR164IG Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.90	2.88	2.94	41.26	40.00	3
Decachlorobiphenyl	6.57	6.55	6.61	34.65	40.24	-14
Aroclor-1016	3.16	3.14	3.18	207.35	202.00	3
	3.37	3.36	3.40	189.42	202.00	-6
	3.48	3.47	3.51	190.12	202.00	-6
	3.70	3.68	3.72	190.62	202.00	-6
	3.76	3.74	3.78	198.10	202.00	-2
	3.95	3.93	3.97	188.40	202.00	-7
Aroclor-1260	4.72	4.70	4.74	174.71	201.64	-13
	4.91	4.90	4.94	201.25	201.64	0
	5.12	5.11	5.15	192.94	201.64	-4
	5.35	5.33	5.37	180.43	201.64	-11
	5.59	5.57	5.61	210.48	201.64	4
	5.79	5.78	5.82	197.54	201.64	-2

Compounds 14 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/05/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 8:36

Lab File ID: 20PCBS17275004B.051.RAW Initial Calibration:

Lab Standard ID: AR164IG Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	34.61	40.00	-13
Decachlorobiphenyl	6.00	5.97	6.03	30.94	40.24	-23
Aroclor-1016	2.82	2.80	2.84	174.33	202.00	-14
	3.15	3.13	3.17	167.52	202.00	-17
	3.34	3.32	3.36	180.69	202.00	-11
	3.41	3.39	3.43	177.72	202.00	-12
	3.47	3.45	3.49	167.99	202.00	-17
	3.57	3.55	3.59	161.46	202.00	-20
Aroclor-1260	4.36	4.34	4.38	197.95	201.64	-2
	4.46	4.44	4.48	180.28	201.64	-11
	4.59	4.57	4.61	245.32	201.64	22
	4.80	4.78	4.82	175.31	201.64	-13
	5.00	4.98	5.02	222.06	201.64	10
	5.26	5.24	5.28	205.34	201.64	2

Compounds 14 Average of %D: 13

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKMZ Sample ID: MZ **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 08:47:34
Instrument : CP20--17342A
Result file : 20PCBS17275004.052.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 102% (53-140) Conc.: 0.205898
%SSR(DCB) : 84% (45-143) Conc.: 0.169371

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	33.44	
3.14	3.16	3.18	2431.257	0.008116			1
3.36	3.37	3.40	4683.345	0.014608			2
3.47	3.50	3.51	2668.427	0.007117			3
+ 3.68	3.69	3.72	2567.743	0.005903			4
3.68	3.71	3.72	5328.892	0.012251			4
3.74	3.76	3.78	6496.328	0.017584			5
3.93	3.95	3.97	4523.863	0.015563			6
Height Summation:			26132.112				
Amount Avg CF:			0.01254	Linear:			
Aroclor-1221					2	136.47	
3.09	3.10	3.13	43158.79	0.336471			2
3.14	3.16	3.18	2431.257	0.005989			3
Height Summation:			45590.047				
Amount Avg CF:			0.17123	Linear:			
Aroclor-1232					6	47.95	
3.14	3.16	3.18	2431.257	0.006949			1
3.36	3.37	3.40	4683.345	0.03352			2
3.47	3.50	3.51	2668.427	0.015891			3
+ 3.68	3.69	3.72	2567.743	0.01282			4
3.68	3.71	3.72	5328.892	0.026606			4
3.74	3.76	3.78	6496.328	0.040532			5
3.93	3.95	3.97	4523.863	0.028225			6
Height Summation:			26132.112				
Amount Avg CF:			0.025287	Linear:			
Aroclor-1242					6	32.80	
3.14	3.16	3.18	2431.257	0.00579			1
3.35	3.37	3.39	4683.345	0.010614			2
3.47	3.50	3.51	2668.427	0.005103			3
+ 3.68	3.69	3.72	2567.743	0.004193			4
3.68	3.71	3.72	5328.892	0.008702			4
3.74	3.76	3.78	6496.328	0.012226			5
3.93	3.95	3.97	4523.863	0.011045			6
Height Summation:			26132.112				
Amount Avg CF:			0.008913	Linear:			
Aroclor-1248					6	68.52	
+ 3.68	3.69	3.72	2567.743	0.01323			1
3.68	3.71	3.72	5328.892	0.027457			1
3.74	3.76	3.78	6496.328	0.0297			2
3.81	3.84	3.85	4293.259	0.011207			3
3.93	3.95	3.97	4523.863	0.010439			4
4.02	4.02	4.06	6621.855	0.019502			5
+ 4.02	4.06	4.06	2246.998	0.006618			5
4.20	4.21	4.24	19230.43	0.059135			6
Height Summation:			46494.627				
Amount Avg CF:			0.02624	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 08:47:34
Instrument : CP20--17342B
Result file : 20PCBS17275004B.052.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 85% (53-140) Conc.: 0.171919
%SSR(DCB) : 83% (45-143) Conc.: 0.166612

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	100.59	
3.13	3.14	3.17	7811.676	0.005245			2
+ 3.32	3.32	3.36	7171.07	0.005462			3
3.32	3.34	3.36	7753.349	0.005906			3
3.39	3.40	3.43	16780.78	0.011307			4
3.45	3.47	3.49	13327.27	0.011843			5
3.55	3.56	3.59	55875.57	0.042426			6
Height Summation:			101548.645				
Amount Avg CF:			0.015345	Linear:			
Aroclor-1221					2	134.84	
2.69	2.70	2.73	7964.717	0.011831			1
2.75	2.75	2.79	207127.7	0.496474			2
Height Summation:			215092.417				
Amount Avg CF:			0.254152	Linear:			
Aroclor-1232					5	104.85	
3.13	3.14	3.17	7811.676	0.011117			2
+ 3.32	3.32	3.36	7171.07	0.011615			3
3.32	3.34	3.36	7753.349	0.012558			3
3.39	3.40	3.43	16780.78	0.025438			4
3.45	3.47	3.49	13327.27	0.029064			5
3.55	3.56	3.59	55875.57	0.102369			6
Height Summation:			101548.645				
Amount Avg CF:			0.036109	Linear:			
Aroclor-1242					5	101.03	
3.13	3.14	3.17	7811.676	0.004096			2
+ 3.32	3.32	3.36	7171.07	0.004099			3
3.32	3.34	3.36	7753.349	0.004431			3
3.39	3.40	3.43	16780.78	0.008589			4
3.45	3.47	3.49	13327.27	0.009055			5
3.55	3.56	3.59	55875.57	0.032596			6
Height Summation:			101548.645				
Amount Avg CF:			0.011753	Linear:			
Aroclor-1248					6	43.68	
+ 3.32	3.32	3.36	7171.07	0.012676			1
3.32	3.34	3.36	7753.349	0.013705			1
3.39	3.40	3.43	16780.78	0.018644			2
3.43	3.44	3.47	16931.02	0.011061			3
+ 3.43	3.47	3.47	13327.27	0.008706			3
3.55	3.56	3.59	55875.57	0.03075			4
+ 3.64	3.65	3.68	12114.62	0.009641			5
3.64	3.68	3.68	16754.68	0.013334			5
3.77	3.79	3.81	54503.88	0.028943			6
Height Summation:			168599.279				
Amount Avg CF:			0.019406	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKMZ Sample ID: MZ **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 08:47:34
Instrument : CP20--17342A
Result file : 20PCBS17275004.052.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					3	7.65	
4.58	4.61	4.62	5497.812	0.007018			2
4.70	4.73	4.74	1622.347	0.006349			3
4.79	4.80	4.83	3215.497	0.007394			4
Height Summation:			**10335.656**				
Amount Avg CF:			**0.00692**	Linear:			
Aroclor-1260					2	64.04	
4.70	4.73	4.74	1622.347	0.002633			1
4.90	4.94	4.94	4770.792	0.006991			2
Height Summation:			**6393.139**				
Amount Avg CF:			**0.004812**	Linear:			
Aroclor-1262					3	103.72	
5.17	5.19	5.21	1519.148	0.002043			1
5.83	5.84	5.87	1445.883	0.003264			5
6.20	6.22	6.24	7227.068	0.014416			6
Height Summation:			**10192.099**				
Amount Avg CF:			**0.006574**	Linear:			
Aroclor-1268					5	90.30	
5.83	5.84	5.87	1445.883	0.001027			2
5.96	5.98	6.00	6330.052	0.004466			3
6.03	6.04	6.07	5329.721	0.016344			4
6.20	6.22	6.24	7227.068	0.01399			5
6.40	6.42	6.44	12571.85	0.00273			6
Height Summation:			**32904.574**				
Amount Avg CF:			**0.007711**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 08:47:34
Instrument : CP20--17342B
Result file : 20PCBS17275004B.052.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					5	47.13	
4.06	4.08	4.10	17260.18	0.010649			1
4.12	4.13	4.16	11220.86	0.004336			2
+ 4.12	4.14	4.16	6142.573	0.002374			2
4.21	4.22	4.25	18578.41	0.013372			3
4.44	4.46	4.47	11179.21	0.012277			5
4.57	4.59	4.61	31759.26	0.020363			6
Height Summation:			**89997.92**				
Amount Avg CF:			**0.0122**	Linear:			
Aroclor-1260					4	42.67	
4.44	4.46	4.48	11179.21	0.005618			2
4.57	4.59	4.61	31759.26	0.016091			3
4.78	4.82	4.82	35120.45	0.01982			4
4.98	5.01	5.01	56524.84	0.017787			5
Height Summation:			**134583.76**				
Amount Avg CF:			**0.014829**	Linear:			
Aroclor-1262					4	31.86	
4.60	4.63	4.64	15250.73	0.00627			1
4.78	4.82	4.82	35120.45	0.013686			2
4.98	5.01	5.01	56524.84	0.014517			3
+ 5.19	5.20	5.23	7653.89	0.00415			4
5.19	5.22	5.23	23607.14	0.0128			4
Height Summation:			**130503.16**				
Amount Avg CF:			**0.011818**	Linear:			
Aroclor-1268					4	60.38	
+ 5.19	5.20	5.23	7653.89	0.001548			1
5.19	5.22	5.23	23607.14	0.004775			1
5.39	5.41	5.43	34945.23	0.007402			3
+ 5.46	5.46	5.50	5208.502	0.004126			4
5.46	5.48	5.50	18689.03	0.014806			4
5.82	5.84	5.86	67636.55	0.004637			6
Height Summation:			**144877.95**				
Amount Avg CF:			**0.007905**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						20.12	4	40	
Aroclor-1221						38.99	3	5	
Aroclor-1232						35.25	4	40	
Aroclor-1242						27.49	4	30	
Aroclor-1248						29.94	4	40	
Aroclor-1254						** 55.22	4	40	
Aroclor-1260						** 102.00	4	40	
Aroclor-1262						** 57.03	4	40	
Aroclor-1268						2.48	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/05/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 10:07

Lab File ID: 20PCBS17275004.059.RAW Initial Calibration:

Lab Standard ID: AR164IH Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.90	2.88	2.94	43.77	40.00	9
Decachlorobiphenyl	6.57	6.55	6.61	39.49	40.24	-2
Aroclor-1016	3.15	3.14	3.18	218.01	202.00	8
	3.37	3.36	3.40	220.40	202.00	9
	3.48	3.47	3.51	214.13	202.00	6
	3.70	3.68	3.72	223.12	202.00	10
	3.75	3.74	3.78	229.82	202.00	14
	3.94	3.93	3.97	217.61	202.00	8
Aroclor-1260	4.71	4.70	4.74	216.10	201.64	7
	4.91	4.90	4.94	230.52	201.64	14
	5.12	5.11	5.15	218.47	201.64	8
	5.35	5.33	5.37	205.44	201.64	2
	5.58	5.57	5.61	247.11	201.64	23
	5.79	5.78	5.82	232.15	201.64	15

Compounds 14 Average of %D: 10

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/05/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 10:07

Lab File ID: 20PCBS17275004B.059.RAW Initial Calibration:

Lab Standard ID: AR164IH Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	36.14	40.00	-10
Decachlorobiphenyl	6.00	5.97	6.03	39.23	40.24	-3
Aroclor-1016	2.82	2.80	2.84	185.97	202.00	-8
	3.15	3.13	3.17	183.18	202.00	-9
	3.34	3.32	3.36	205.57	202.00	2
	3.41	3.39	3.43	204.81	202.00	1
	3.47	3.45	3.49	194.65	202.00	-4
	3.57	3.55	3.59	189.38	202.00	-6
Aroclor-1260	4.36	4.34	4.38	238.19	201.64	18
	4.46	4.44	4.48	222.07	201.64	10
	4.58	4.57	4.61	289.16	201.64	43
	4.80	4.78	4.82	217.06	201.64	8
	4.99	4.98	5.02	267.32	201.64	33
	5.25	5.24	5.28	244.57	201.64	21

Compounds 14 Average of %D: 13

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKNA ID: NA **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 10:19:03
Instrument : CP20--17342A
Result file : 20PCBS17275004.060.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.207098
%SSR(DCB) : 93% (45-143) Conc.: 0.188009

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	45.96	
3.14	3.17	3.18	2889.738	0.009646			1
+ 3.36	3.36	3.40	1243.341	0.003878			2
3.36	3.39	3.40	1753.446	0.005469			2
3.47	3.51	3.51	1725.623	0.004603			3
3.68	3.69	3.72	1242.187	0.002856			4
3.74	3.75	3.78	4117.196	0.011144			5
3.93	3.95	3.97	2653.723	0.009129			6
Height Summation:			14381.913				
Amount Avg CF:			0.007141	Linear:			
Aroclor-1221					3	163.38	
3.04	3.07	3.08	1082.468	0.007508			1
3.09	3.10	3.13	47720.53	0.372035			2
3.14	3.17	3.18	2889.738	0.007119			3
Height Summation:			51692.736				
Amount Avg CF:			0.128887	Linear:			
Aroclor-1232					5	55.80	
3.14	3.17	3.18	2889.738	0.008259			1
+ 3.36	3.36	3.40	1243.341	0.008899			2
3.36	3.39	3.40	1753.446	0.01255			2
3.68	3.69	3.72	1242.187	0.006202			4
3.74	3.75	3.78	4117.196	0.025688			5
3.93	3.95	3.97	2653.723	0.016557			6
Height Summation:			12656.29				
Amount Avg CF:			0.013851	Linear:			
Aroclor-1242					5	43.52	
3.14	3.17	3.18	2889.738	0.006881			1
+ 3.35	3.36	3.39	1243.341	0.002818			2
3.35	3.39	3.39	1753.446	0.003974			2
3.68	3.69	3.72	1242.187	0.002028			4
3.74	3.75	3.78	4117.196	0.007749			5
3.93	3.95	3.97	2653.723	0.006479			6
Height Summation:			12656.29				
Amount Avg CF:			0.005422	Linear:			
Aroclor-1248					4	71.19	
3.68	3.69	3.72	1242.187	0.0064			1
3.74	3.75	3.78	4117.196	0.018823			2
3.81	3.82	3.85	1965.119	0.00513			3
3.93	3.95	3.97	2653.723	0.006124			4
Height Summation:			9978.225				
Amount Avg CF:			0.009119	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 10:19:03
Instrument : CP20--17342B
Result file : 20PCBS17275004B.060.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 84% (53-140) Conc.: 0.169277
%SSR(DCB) : 94% (45-143) Conc.: 0.190526

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	75.63	
2.80	2.82	2.84	8957.102	0.007655			1
3.13	3.14	3.17	7168.798	0.004814			2
3.32	3.34	3.36	8814.034	0.006714			3
3.39	3.41	3.43	10186.48	0.006864			4
3.45	3.47	3.49	8896.411	0.007906			5
3.55	3.56	3.59	32537.5	0.024705			6
+ 3.55	3.59	3.59	10337.12	0.007849			6
Height Summation:			76560.325				
Amount Avg CF:			0.009776	Linear:			
Aroclor-1221					3	157.09	
+ 2.69	2.70	2.73	5804.001	0.008621			1
2.69	2.73	2.73	17218.56	0.025576			1
2.75	2.75	2.79	197434.4	0.47324			2
2.80	2.82	2.84	8957.102	0.00595			3
Height Summation:			223610.062				
Amount Avg CF:			0.168255	Linear:			
Aroclor-1232					6	92.59	
2.80	2.82	2.84	8957.102	0.006895			1
3.13	3.14	3.17	7168.798	0.010202			2
3.32	3.34	3.36	8814.034	0.014276			3
3.39	3.41	3.43	10186.48	0.015442			4
3.45	3.47	3.49	8896.411	0.019402			5
3.55	3.56	3.59	32537.5	0.059612			6
+ 3.55	3.59	3.59	10337.12	0.018939			6
Height Summation:			76560.325				
Amount Avg CF:			0.020971	Linear:			
Aroclor-1242					6	76.17	
2.80	2.82	2.84	8957.102	0.005813			1
3.13	3.14	3.17	7168.798	0.003759			2
3.32	3.34	3.36	8814.034	0.005038			3
3.39	3.41	3.43	10186.48	0.005214			4
3.45	3.47	3.49	8896.411	0.006044			5
3.55	3.56	3.59	32537.5	0.018981			6
+ 3.55	3.59	3.59	10337.12	0.00603			6
Height Summation:			76560.325				
Amount Avg CF:			0.007475	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKNA ID: NA **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 10:19:03
Instrument : CP20--17342A
Result file : 20PCBS17275004.060.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**4**	**40.68**	
4.58	4.60	4.62	2734.18	0.00349			2
4.79	4.80	4.83	1395.603	0.003209			4
4.98	5.00	5.02	2241.148	0.007231			5
5.10	5.12	5.14	2294.733	0.004219			6
Height Summation:			**8665.664**				
Amount Avg CF:			**0.004537**	Linear:			
Aroclor-1260					**5**	**55.32**	
4.90	4.93	4.94	1400.143	0.002052			2
5.11	5.12	5.15	2294.733	0.002784			3
5.33	5.34	5.37	2891.961	0.006541			4
5.57	5.61	5.61	3496.959	0.003374			5
5.78	5.79	5.82	1387.051	0.002064			6
Height Summation:			**11470.847**				
Amount Avg CF:			**0.003363**	Linear:			
Aroclor-1262					**4**	**62.81**	
5.33	5.34	5.37	2891.961	0.004654			2
5.57	5.61	5.61	3496.959	0.002679			3
5.78	5.79	5.82	1387.051	0.00153			4
6.20	6.22	6.24	3679.91	0.00734			6
Height Summation:			**11455.881**				
Amount Avg CF:			**0.004051**	Linear:			
Aroclor-1268					**5**	**117.00**	
5.77	5.79	5.81	1387.051	0.000836			1
5.96	5.98	6.00	11093.2	0.007827			3
6.03	6.04	6.07	10109.41	0.031001			4
6.20	6.22	6.24	3679.91	0.007123			5
6.40	6.42	6.44	19620.22	0.00426			6
Height Summation:			**45889.791**				
Amount Avg CF:			**0.010209**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 10:19:03
Instrument : CP20--17342B
Result file : 20PCBS17275004B.060.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**32.42**	
3.32	3.34	3.36	8814.034	0.01558			1
3.39	3.41	3.43	10186.48	0.011317			2
3.43	3.44	3.47	10026.88	0.00655			3
+ 3.43	3.47	3.47	8896.411	0.005812			3
3.55	3.56	3.59	32537.5	0.017906			4
+ 3.55	3.59	3.59	10337.12	0.005689			4
3.64	3.65	3.68	16229.48	0.012916			5
+ 3.64	3.68	3.68	11427.95	0.009095			5
3.77	3.80	3.81	34390.97	0.018262			6
Height Summation:			**112185.344**				
Amount Avg CF:			**0.013755**	Linear:			
Aroclor-1254					**5**	**33.64**	
4.06	4.08	4.10	11453.4	0.007066			1
4.12	4.13	4.16	12908.69	0.004989			2
4.21	4.21	4.25	11915.43	0.008577			3
4.44	4.46	4.47	9450.704	0.010379			5
4.57	4.59	4.61	19639.45	0.012592			6
Height Summation:			**65367.674**				
Amount Avg CF:			**0.00872**	Linear:			
Aroclor-1260					**5**	**34.53**	
4.34	4.38	4.38	13152.52	0.005465			1
4.44	4.46	4.48	9450.704	0.004749			2
4.57	4.59	4.61	19639.45	0.00995			3
4.78	4.82	4.82	18933.69	0.010685			4
+ 4.98	4.98	5.01	11686.8	0.003678			5
4.98	5.01	5.01	31722.77	0.009983			5
Height Summation:			**92899.134**				
Amount Avg CF:			**0.008166**	Linear:			
Aroclor-1262					**4**	**31.63**	
4.60	4.62	4.64	9783.658	0.004022			1
4.78	4.82	4.82	18933.69	0.007378			2
+ 4.98	4.98	5.01	11686.8	0.003001			3
4.98	5.01	5.01	31722.77	0.008147			3
5.19	5.21	5.23	17255.83	0.009356			4
Height Summation:			**77695.948**				
Amount Avg CF:			**0.007226**	Linear:			
Aroclor-1268					**4**	**101.77**	
5.19	5.21	5.23	17255.83	0.00349			1
5.39	5.41	5.43	53632.82	0.01136			3
5.46	5.48	5.50	44275.07	0.035075			4
5.82	5.84	5.86	94619.38	0.006487			6
Height Summation:			**209783.1**				
Amount Avg CF:			**0.014103**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.6		31.15	4	40	
Aroclor-1221			17	4.6		26.50	3	5	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKNA ID: NA **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 10:19:03
Instrument : CP20--17342A
Result file : 20PCBS17275004.060.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 10:19:03
Instrument : CP20--17342B
Result file : 20PCBS17275004B.060.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1232			17	8		** 40.89	4	40	
Aroclor-1242			17	3.3		31.83	4	30	
Aroclor-1248			17	3.3		** 40.53	4	40	
Aroclor-1254			17	3.3		** 63.10	4	40	
Aroclor-1260			17	4.9		** 83.32	4	40	
Aroclor-1262			17	3.3		** 56.31	4	40	
Aroclor-1268			17	3.3		32.03	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/05/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 14:19

Lab File ID: 20PCBS17275004.081.RAW Initial Calibration:

Lab Standard ID: AR164II Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.90	2.88	2.94	42.69	40.00	7
Decachlorobiphenyl	6.57	6.55	6.61	42.37	40.24	5
Aroclor-1016	3.16	3.14	3.18	213.93	202.00	6
	3.37	3.36	3.40	204.51	202.00	1
	3.48	3.47	3.51	211.27	202.00	5
	3.70	3.68	3.72	220.31	202.00	9
	3.76	3.74	3.78	229.43	202.00	14
	3.95	3.93	3.97	214.97	202.00	6
Aroclor-1260	4.72	4.70	4.74	213.63	201.64	6
	4.91	4.90	4.94	227.66	201.64	13
	5.12	5.11	5.15	241.88	201.64	20
	5.35	5.33	5.37	231.67	201.64	15
	5.58	5.57	5.61	235.86	201.64	17
	5.79	5.78	5.82	231.26	201.64	15

Compounds 14 Average of %D: 10

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/05/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 14:19

Lab File ID: 20PCBS17275004B.081.RAW Initial Calibration:

Lab Standard ID: AR164II Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	35.19	40.00	-12
Decachlorobiphenyl	6.00	5.97	6.03	43.48	40.24	8
Aroclor-1016	2.82	2.80	2.84	183.41	202.00	-9
	3.15	3.13	3.17	178.85	202.00	-11
	3.34	3.32	3.36	198.20	202.00	-2
	3.41	3.39	3.43	195.05	202.00	-3
	3.47	3.45	3.49	187.46	202.00	-7
	3.57	3.55	3.59	184.47	202.00	-9
Aroclor-1260	4.36	4.34	4.38	237.07	201.64	18
	4.46	4.44	4.48	218.04	201.64	8
	4.59	4.57	4.61	262.07	201.64	30
	4.80	4.78	4.82	214.08	201.64	6
	4.99	4.98	5.02	275.51	201.64	37
	5.25	5.24	5.28	257.49	201.64	28

Compounds 14 Average of %D: 13

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKNB ID: NB **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 14:30:26
Instrument : CP20--17342A
Result file : 20PCBS17275004.082.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.207951
%SSR(DCB) : 104% (45-143) Conc.: 0.210979

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**53.71**	
3.14	3.17	3.18	1054.697	0.003521			1
3.47	3.48	3.51	1034.484	0.002759			3
3.68	3.70	3.72	3092.053	0.007109			4
3.74	3.75	3.78	2865.31	0.007756			5
3.93	3.94	3.97	3316.129	0.011408			6
Height Summation:			**11362.673**				
Amount Avg CF:			**0.00651**	Linear:			
Aroclor-1221					**3**	**166.26**	
3.04	3.06	3.08	1126.485	0.007814			1
3.09	3.10	3.13	48511.21	0.378199			2
3.14	3.17	3.18	1054.697	0.002598			3
Height Summation:			**50692.392**				
Amount Avg CF:			**0.129537**	Linear:			
Aroclor-1232					**5**	**60.62**	
3.14	3.17	3.18	1054.697	0.003014			1
3.47	3.48	3.51	1034.484	0.006161			3
3.68	3.70	3.72	3092.053	0.015438			4
3.74	3.75	3.78	2865.31	0.017877			5
3.93	3.94	3.97	3316.129	0.02069			6
Height Summation:			**11362.673**				
Amount Avg CF:			**0.012636**	Linear:			
Aroclor-1242					**5**	**53.51**	
3.14	3.17	3.18	1054.697	0.002512			1
3.47	3.48	3.51	1034.484	0.001978			3
3.68	3.70	3.72	3092.053	0.005049			4
3.74	3.75	3.78	2865.31	0.005393			5
3.93	3.94	3.97	3316.129	0.008097			6
Height Summation:			**11362.673**				
Amount Avg CF:			**0.004606**	Linear:			
Aroclor-1248					**5**	**52.06**	
3.68	3.70	3.72	3092.053	0.015932			1
3.74	3.75	3.78	2865.31	0.0131			2
3.81	3.82	3.85	1490.634	0.003891			3
3.93	3.94	3.97	3316.129	0.007652			4
4.20	4.21	4.24	6305.375	0.01939			6
+ 4.20	4.23	4.24	5453.749	0.016771			6
Height Summation:			**17069.501**				
Amount Avg CF:			**0.011993**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 14:30:26
Instrument : CP20--17342B
Result file : 20PCBS17275004B.082.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 84% (53-140) Conc.: 0.168871
%SSR(DCB) : 100% (45-143) Conc.: 0.20194

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**24.02**	
2.80	2.82	2.84	5881.012	0.005026			1
3.13	3.14	3.17	9227.939	0.006196			2
3.32	3.34	3.36	9368.574	0.007136			3
3.39	3.41	3.43	7715.061	0.005199			4
3.45	3.47	3.49	7259.674	0.006451			5
3.55	3.57	3.59	12299.04	0.009339			6
Height Summation:			**51751.3**				
Amount Avg CF:			**0.006558**	Linear:			
Aroclor-1221					**3**	**166.58**	
2.69	2.70	2.73	6406.417	0.009516			1
2.75	2.75	2.79	213705.7	0.512241			2
2.80	2.82	2.84	5881.012	0.003907			3
Height Summation:			**225993.129**				
Amount Avg CF:			**0.175221**	Linear:			
Aroclor-1232					**6**	**42.59**	
2.80	2.82	2.84	5881.012	0.004527			1
3.13	3.14	3.17	9227.939	0.013132			2
3.32	3.34	3.36	9368.574	0.015174			3
3.39	3.41	3.43	7715.061	0.011695			4
3.45	3.47	3.49	7259.674	0.015832			5
3.55	3.57	3.59	12299.04	0.022533			6
Height Summation:			**51751.3**				
Amount Avg CF:			**0.013816**	Linear:			
Aroclor-1242					**6**	**24.26**	
2.80	2.82	2.84	5881.012	0.003817			1
3.13	3.14	3.17	9227.939	0.004839			2
3.32	3.34	3.36	9368.574	0.005355			3
3.39	3.41	3.43	7715.061	0.003949			4
3.45	3.47	3.49	7259.674	0.004932			5
3.55	3.57	3.59	12299.04	0.007175			6
Height Summation:			**51751.3**				
Amount Avg CF:			**0.005011**	Linear:			
Aroclor-1248					**6**	**51.25**	
3.32	3.34	3.36	9368.574	0.01656			1
3.39	3.41	3.43	7715.061	0.008572			2
3.43	3.45	3.47	10120.3	0.006611			3
3.55	3.57	3.59	12299.04	0.006768			4
3.64	3.65	3.68	8880.842	0.007068			5
+ 3.64	3.68	3.68	5385.176	0.004286			5
3.77	3.79	3.81	35622.55	0.018916			6
+ 3.77	3.81	3.81	7350.79	0.003903			6
Height Summation:			**84006.367**				
Amount Avg CF:			**0.010749**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKNB ID: NB **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 14:30:26
Instrument : CP20--17342A
Result file : 20PCBS17275004.082.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	30.72	
4.52	4.52	4.56	2123.051	0.005454			1
4.58	4.59	4.62	3617.108	0.004617			2
4.70	4.71	4.74	2838.268	0.011108			3
4.79	4.80	4.83	3835.406	0.008819			4
4.98	4.99	5.02	2796.875	0.009024			5
5.10	5.12	5.14	4484.026	0.008244			6
Height Summation:			**19694.734**				
Amount Avg CF:			**0.007878**	Linear:			
Aroclor-1260					6	25.95	
4.70	4.71	4.74	2838.268	0.004606			1
4.90	4.92	4.94	3345.894	0.004903			2
5.11	5.12	5.15	4484.026	0.00544			3
5.33	5.34	5.37	1787.38	0.004043			4
+ 5.57	5.59	5.61	1201.577	0.001159			5
5.57	5.61	5.61	2692.758	0.002598			5
5.78	5.79	5.82	2153.545	0.003205			6
Height Summation:			**17301.871**				
Amount Avg CF:			**0.004132**	Linear:			
Aroclor-1262					4	54.59	
5.33	5.34	5.37	1787.38	0.002876			2
+ 5.57	5.59	5.61	1201.577	0.00092			3
5.57	5.61	5.61	2692.758	0.002063			3
5.78	5.79	5.82	2153.545	0.002376			4
6.20	6.21	6.24	3015.038	0.006014			6
Height Summation:			**9648.721**				
Amount Avg CF:			**0.003332**	Linear:			
Aroclor-1268					5	115.59	
5.77	5.79	5.81	2153.545	0.001297			1
5.96	5.98	6.00	10867.67	0.007668			3
6.03	6.04	6.07	9346.273	0.02866			4
6.20	6.21	6.24	3015.038	0.005836			5
6.40	6.42	6.44	18398.29	0.003995			6
Height Summation:			**43780.816**				
Amount Avg CF:			**0.009491**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 14:30:26
Instrument : CP20--17342B
Result file : 20PCBS17275004B.082.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	44.38	
4.06	4.08	4.10	27933.48	0.017234			1
4.12	4.14	4.16	23487.05	0.009077			2
+ 4.21	4.21	4.25	4548.694	0.003274			3
4.21	4.23	4.25	9021.326	0.006493			3
4.34	4.36	4.38	7065.296	0.007583			4
+ 4.34	4.38	4.38	4632.169	0.004971			4
4.44	4.46	4.47	10929.34	0.012003			5
4.57	4.59	4.61	30320.5	0.01944			6
Height Summation:			**108756.992**				
Amount Avg CF:			**0.011972**	Linear:			
Aroclor-1260					5	87.96	
4.34	4.36	4.38	7065.296	0.002936			1
+ 4.34	4.38	4.38	4632.169	0.001925			1
4.44	4.46	4.48	10929.34	0.005492			2
4.57	4.59	4.61	30320.5	0.015362			3
4.78	4.82	4.82	10212.52	0.005763			4
4.98	5.00	5.01	4398.408	0.001384			5
Height Summation:			**62926.064**				
Amount Avg CF:			**0.006187**	Linear:			
Aroclor-1262					4	174.06	
4.60	4.62	4.64	9311.322	0.003828			1
4.78	4.82	4.82	10212.52	0.00398			2
4.98	5.00	5.01	4398.408	0.00113			3
+ 5.19	5.20	5.23	984.9083	0.000534			4
5.19	5.23	5.23	152354.2	0.082607			4
Height Summation:			**176276.45**				
Amount Avg CF:			**0.022886**	Linear:			
Aroclor-1268					4	65.68	
+ 5.19	5.20	5.23	984.9083	0.000199			1
5.19	5.23	5.23	152354.2	0.030814			1
5.39	5.41	5.43	54388.23	0.01152			3
5.46	5.48	5.50	40088.24	0.031758			4
5.82	5.84	5.86	89037.62	0.006104			6
Height Summation:			**335868.29**				
Amount Avg CF:			**0.020049**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.6		0.73	4	40	
Aroclor-1221			17	4.6		29.98	3	5	
Aroclor-1232			17	8		8.92	4	40	
Aroclor-1242			17	3.3		8.43	4	30	
Aroclor-1248			17	3.3		10.94	4	40	
Aroclor-1254			17	3.3		** 41.25	4	40	
Aroclor-1260			17	4.9		39.82	4	40	
Aroclor-1262			17	3.3		** 149.16	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1724B PIBLKNB ID: NB **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on	: Oct 05, 2017 14:30:26
Instrument	: CP20--17342A
Result file	: 20PCBS17275004.082.RAW
Calibration file	: 20PCBS1727501.CAL
Method file	: 20PCBS.MET

Analysis Report (B)

Injected on	: Oct 05, 2017 14:30:26
Instrument	: CP20--17342B
Result file	: 20PCBS17275004B.082.RAW
Calibration file	: 20PCBS1727501B.CAL
Method file	: 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			17	3.3		** 71.48	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/05/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 15:50

Lab File ID: 20PCBS17275004.089.RAW Initial Calibration:

Lab Standard ID: AR164IJ Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.90	2.88	2.94	43.09	40.00	8
Decachlorobiphenyl	6.57	6.55	6.61	42.96	40.24	7
Aroclor-1016	3.16	3.14	3.18	218.25	202.00	8
	3.37	3.36	3.40	209.95	202.00	4
	3.48	3.47	3.51	213.58	202.00	6
	3.70	3.68	3.72	213.61	202.00	6
	3.75	3.74	3.78	216.78	202.00	7
	3.94	3.93	3.97	214.03	202.00	6
Aroclor-1260	4.72	4.70	4.74	224.33	201.64	11
	4.91	4.90	4.94	225.63	201.64	12
	5.12	5.11	5.15	220.63	201.64	9
	5.35	5.33	5.37	222.77	201.64	10
	5.58	5.57	5.61	243.70	201.64	21
	5.79	5.78	5.82	246.56	201.64	22

Compounds 14 Average of %D: 10

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/05/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 15:50

Lab File ID: 20PCBS17275004B.089.RAW Initial Calibration:

Lab Standard ID: AR164IJ Init. Calib Date(s): 10/02/17 10/02/17

Calibration: 20PCBS1727501B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	35.01	40.00	-12
Decachlorobiphenyl	6.00	5.97	6.03	42.20	40.24	5
Aroclor-1016	2.82	2.80	2.84	182.50	202.00	-10
	3.14	3.13	3.17	177.72	202.00	-12
	3.34	3.32	3.36	198.30	202.00	-2
	3.41	3.39	3.43	196.66	202.00	-3
	3.47	3.45	3.49	185.50	202.00	-8
	3.57	3.55	3.59	189.18	202.00	-6
Aroclor-1260	4.36	4.34	4.38	237.03	201.64	18
	4.46	4.44	4.48	213.29	201.64	6
	4.59	4.57	4.61	272.92	201.64	35
	4.80	4.78	4.82	211.66	201.64	5
	4.99	4.98	5.02	281.87	201.64	40
	5.25	5.24	5.28	252.78	201.64	25

Compounds 14 Average of %D: 13

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKNC ID: NC **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 16:02:07
Instrument : CP20--17342A
Result file : 20PCBS17275004.090.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 104% (53-140) Conc.: 0.209212
%SSR(DCB) : 103% (45-143) Conc.: 0.207244

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	49.64	
3.14	3.17	3.18	3101.209	0.010352			1
3.36	3.37	3.40	1296.631	0.004044			2
3.47	3.47	3.51	1872.575	0.004994			3
3.68	3.72	3.72	918.0023	0.002111			4
3.74	3.76	3.78	2416.025	0.00654			5
3.93	3.95	3.97	2507.064	0.008625			6
Height Summation:			**12111.5063**				
Amount Avg CF:			**0.006111**	Linear:			
Aroclor-1221					2	135.83	
3.09	3.10	3.13	48594.04	0.378845			2
3.14	3.17	3.18	3101.209	0.00764			3
Height Summation:			**51695.249**				
Amount Avg CF:			**0.193242**	Linear:			
Aroclor-1232					6	38.64	
3.14	3.17	3.18	3101.209	0.008863			1
3.36	3.37	3.40	1296.631	0.00928			2
3.47	3.47	3.51	1872.575	0.011152			3
3.68	3.72	3.72	918.0023	0.004583			4
3.74	3.76	3.78	2416.025	0.015074			5
3.93	3.95	3.97	2507.064	0.015642			6
Height Summation:			**12111.5063**				
Amount Avg CF:			**0.010766**	Linear:			
Aroclor-1242					6	49.46	
3.14	3.17	3.18	3101.209	0.007385			1
3.35	3.37	3.39	1296.631	0.002938			2
3.47	3.47	3.51	1872.575	0.003581			3
3.68	3.72	3.72	918.0023	0.001499			4
3.74	3.76	3.78	2416.025	0.004547			5
3.93	3.95	3.97	2507.064	0.006121			6
Height Summation:			**12111.5063**				
Amount Avg CF:			**0.004345**	Linear:			
Aroclor-1248					4	37.93	
3.68	3.72	3.72	918.0023	0.00473			1
3.74	3.76	3.78	2416.025	0.011046			2
3.81	3.82	3.85	2947.69	0.007695			3
3.93	3.95	3.97	2507.064	0.005785			4
Height Summation:			**8788.7813**				
Amount Avg CF:			**0.007314**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 16:02:07
Instrument : CP20--17342B
Result file : 20PCBS17275004B.090.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 84% (53-140) Conc.: 0.170267
%SSR(DCB) : 103% (45-143) Conc.: 0.208852

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	39.77	
2.80	2.82	2.84	8187.62	0.006998			1
3.13	3.14	3.17	9389.741	0.006305			2
3.32	3.34	3.36	6193.925	0.004718			3
3.39	3.41	3.43	8863.414	0.005972			4
3.45	3.47	3.49	12796.21	0.011371			5
+ 3.45	3.49	3.49	6099.455	0.00542			5
3.55	3.57	3.59	16454.42	0.012494			6
Height Summation:			**61885.33**				
Amount Avg CF:			**0.007976**	Linear:			
Aroclor-1221					3	161.65	
+ 2.69	2.70	2.73	7216.984	0.01072			1
2.69	2.72	2.73	13132.52	0.019507			1
2.75	2.75	2.79	222743	0.533903			2
2.80	2.82	2.84	8187.62	0.005439			3
Height Summation:			**244063.14**				
Amount Avg CF:			**0.186283**	Linear:			
Aroclor-1232					6	58.13	
2.80	2.82	2.84	8187.62	0.006303			1
3.13	3.14	3.17	9389.741	0.013362			2
3.32	3.34	3.36	6193.925	0.010032			3
3.39	3.41	3.43	8863.414	0.013436			4
3.45	3.47	3.49	12796.21	0.027906			5
+ 3.45	3.49	3.49	6099.455	0.013302			5
3.55	3.57	3.59	16454.42	0.030146			6
Height Summation:			**61885.33**				
Amount Avg CF:			**0.016864**	Linear:			
Aroclor-1242					6	40.13	
2.80	2.82	2.84	8187.62	0.005314			1
3.13	3.14	3.17	9389.741	0.004924			2
3.32	3.34	3.36	6193.925	0.00354			3
3.39	3.41	3.43	8863.414	0.004536			4
3.45	3.47	3.49	12796.21	0.008694			5
+ 3.45	3.49	3.49	6099.455	0.004144			5
3.55	3.57	3.59	16454.42	0.009599			6
Height Summation:			**61885.33**				
Amount Avg CF:			**0.006101**	Linear:			
Aroclor-1248					6	63.45	
3.32	3.34	3.36	6193.925	0.010948			1
3.39	3.41	3.43	8863.414	0.009847			2
3.43	3.45	3.47	15503.23	0.010128			3
3.55	3.57	3.59	16454.42	0.009055			4
+ 3.64	3.65	3.68	3804.064	0.003027			5
3.64	3.66	3.68	7902.908	0.006289			5
3.77	3.79	3.81	52950.6	0.028118			6
Height Summation:			**107868.497**				
Amount Avg CF:			**0.012398**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKNC ID: NC **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 16:02:07
Instrument : CP20--17342A
Result file : 20PCBS17275004.090.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**20.55**	
4.52	4.53	4.56	3821.499	0.009817			1
4.58	4.59	4.62	8600.672	0.010978			2
4.70	4.71	4.74	4464.282	0.017472			3
4.79	4.80	4.83	5787.354	0.013308			4
4.98	5.00	5.02	4399.774	0.014196			5
5.10	5.12	5.14	8109.264	0.01491			6
Height Summation:			**35182.845**				
Amount Avg CF:			**0.013447**	Linear:			
Aroclor-1260					**5**	**54.66**	
4.70	4.71	4.74	4464.282	0.007245			1
4.90	4.92	4.94	6162.856	0.00903			2
5.11	5.12	5.15	8109.264	0.009838			3
5.57	5.59	5.61	1320.049	0.001274			5
5.78	5.79	5.82	3097.614	0.00461			6
Height Summation:			**23154.065**				
Amount Avg CF:			**0.006399**	Linear:			
Aroclor-1262					**3**	**65.39**	
5.57	5.59	5.61	1320.049	0.001011			3
5.78	5.79	5.82	3097.614	0.003417			4
6.20	6.22	6.24	2600.017	0.005186			6
Height Summation:			**7017.68**				
Amount Avg CF:			**0.003205**	Linear:			
Aroclor-1268					**5**	**115.54**	
5.77	5.79	5.81	3097.614	0.001866			1
5.96	5.98	6.00	11626.94	0.008204			3
6.03	6.05	6.07	9822.122	0.03012			4
6.20	6.22	6.24	2600.017	0.005033			5
6.40	6.42	6.44	20868.68	0.004531			6
Height Summation:			**48015.373**				
Amount Avg CF:			**0.009951**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 16:02:07
Instrument : CP20--17342B
Result file : 20PCBS17275004B.090.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	19.03	
4.06	4.08	4.10	32997.94	0.020359			1
4.12	4.14	4.16	43256.7	0.016717			2
4.21	4.23	4.25	25481.81	0.018341			3
4.34	4.36	4.38	21491.76	0.023066			4
4.44	4.46	4.47	17796.99	0.019545			5
4.57	4.59	4.61	43510.04	0.027897			6
Height Summation:			**184535.24**				
Amount Avg CF:			**0.020987**	Linear:			
Aroclor-1260					6	83.97	
4.34	4.36	4.38	21491.76	0.00893			1
4.44	4.46	4.48	17796.99	0.008943			2
4.57	4.59	4.61	43510.04	0.022044			3
4.78	4.80	4.82	5047.271	0.002848			4
4.98	5.00	5.01	6032.075	0.001898			5
5.24	5.25	5.28	15143.8	0.00701			6
Height Summation:			**109021.936**				
Amount Avg CF:			**0.008612**	Linear:			
Aroclor-1262					6	132.54	
4.60	4.62	4.64	7723.75	0.003175			1
4.78	4.80	4.82	5047.271	0.001967			2
4.98	5.00	5.01	6032.075	0.001549			3
+ 5.19	5.20	5.23	1429.859	0.000775			4
5.19	5.23	5.23	41846.39	0.022689			4
5.24	5.25	5.28	15143.8	0.005306			5
5.62	5.64	5.66	3869.585	0.002409			6
Height Summation:			**79662.871**				
Amount Avg CF:			**0.006183**	Linear:			
Aroclor-1268					6	111.16	
+ 5.19	5.20	5.23	1429.859	0.000289			1
5.19	5.23	5.23	41846.39	0.008464			1
5.24	5.25	5.28	15143.8	0.003268			2
5.39	5.41	5.43	57574.78	0.012195			3
5.46	5.48	5.50	47760	0.037836			4
5.62	5.64	5.66	3869.585	0.002486			5
+ 5.82	5.82	5.86	3439.747	0.000236			6
5.82	5.84	5.86	102304.5	0.007014			6
Height Summation:			**268499.055**				
Amount Avg CF:			**0.011877**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.6		26.48	4	40	
Aroclor-1221			17	4.6		3.67	3	5	
Aroclor-1232			17	8		** 44.14	4	40	
Aroclor-1242			17	3.3		33.62	4	30	
Aroclor-1248			17	3.3		** 51.58	4	40	
Aroclor-1254			17	3.3		** 43.80	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1724B PIBLKNC ID: NC **Batchnumber: 1727699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 05, 2017 16:02:07
Instrument : CP20--17342A
Result file : 20PCBS17275004.090.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 16:02:07
Instrument : CP20--17342B
Result file : 20PCBS17275004B.090.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1260			17	4.9		29.48	4	40	
Aroclor-1262			17	3.3		** 63.44	4	40	
Aroclor-1268			17	3.3		17.65	4	40	

Units: ug/kg

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/06/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 5:36

Lab File ID: 20PCBS17278001.042.RAW Initial Calibration: 20PCBS1727801

Lab Standard ID: AR164IO Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.90	2.87	2.93	42.87	40.00	7
Decachlorobiphenyl	6.56	6.54	6.60	40.04	40.24	0
Aroclor-1016	3.15	3.14	3.18	208.19	202.00	3
	3.37	3.35	3.39	212.77	202.00	5
	3.48	3.46	3.50	213.02	202.00	5
	3.70	3.68	3.72	206.99	202.00	2
	3.75	3.73	3.77	211.27	202.00	5
	3.94	3.92	3.96	204.43	202.00	1
Aroclor-1260	4.71	4.69	4.73	200.84	201.64	0
	4.91	4.89	4.93	207.19	201.64	3
	5.12	5.10	5.14	203.93	201.64	1
	5.34	5.33	5.37	204.81	201.64	2
	5.58	5.56	5.60	205.08	201.64	2
	5.79	5.77	5.81	201.51	201.64	0

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/06/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 5:36

Lab File ID: 20PCBS17278001B.042.RAW Initial Calibration: 20PCBS1727801B

Lab Standard ID: AR164IO Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	40.36	40.00	1
Decachlorobiphenyl	5.99	5.96	6.02	38.72	40.24	-4
Aroclor-1016	2.82	2.80	2.84	199.58	202.00	-1
	3.14	3.13	3.17	202.93	202.00	0
	3.30	3.28	3.32	204.39	202.00	1
	3.34	3.32	3.36	205.03	202.00	1
	3.41	3.39	3.43	207.03	202.00	2
	3.57	3.55	3.59	204.49	202.00	1
Aroclor-1260	4.36	4.34	4.38	196.78	201.64	-2
	4.46	4.44	4.48	197.22	201.64	-2
	4.58	4.56	4.60	197.21	201.64	-2
	4.80	4.78	4.82	198.16	201.64	-2
	4.99	4.97	5.01	194.80	201.64	-3
	5.25	5.23	5.27	192.25	201.64	-5

Compounds 14 Average of %D: 2

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKNN Sample ID: NN **Batchnumber: 1727799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 05:47:35
Instrument : CP20--17342A
Result file : 20PCBS17278001.043.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 102% (53-140) Conc.: 0.2053
%SSR(DCB) : 94% (45-143) Conc.: 0.190413

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	5.21	
3.35	3.35	3.39	1311.41	0.003998			2
3.46	3.48	3.50	1413.123	0.003667			3
3.73	3.74	3.77	1592.368	0.004037			5
Height Summation:			**4316.901**				
Amount Avg CF:			**0.003901**	Linear:			
Aroclor-1221					1		
3.09	3.10	3.13	49391.43	0.372289			2
Height Summation:			**49391.43**				
Amount Avg CF:			**0.372289**	Linear:			
Aroclor-1232					3	7.55	
3.35	3.35	3.39	1311.41	0.008882			2
3.46	3.48	3.50	1413.123	0.007831			3
3.73	3.74	3.77	1592.368	0.009012			5
Height Summation:			**4316.901**				
Amount Avg CF:			**0.008575**	Linear:			
Aroclor-1242					3	5.10	
3.35	3.35	3.39	1311.41	0.002766			2
3.46	3.48	3.50	1413.123	0.002518			3
3.73	3.74	3.77	1592.368	0.002741			5
Height Summation:			**4316.901**				
Amount Avg CF:			**0.002675**	Linear:			
Aroclor-1248					3	47.59	
3.73	3.74	3.77	1592.368	0.00692			2
4.01	4.03	4.05	856.0555	0.002375			5
4.19	4.21	4.23	1927.665	0.005147			6
Height Summation:			**4376.0885**				
Amount Avg CF:			**0.004814**	Linear:			
Aroclor-1254					3	47.24	
4.57	4.59	4.61	1056.285	0.001163			2
4.98	5.00	5.02	1407.848	0.003307			5
5.10	5.12	5.14	1479.04	0.002348			6
Height Summation:			**3943.173**				
Amount Avg CF:			**0.002273**	Linear:			
Aroclor-1260					1		
5.10	5.12	5.14	1479.04	0.001585			3
Height Summation:			**1479.04**				
Amount Avg CF:			**0.001585**	Linear:			
Aroclor-1262					1		
6.19	6.22	6.23	1442.531	0.002326			6
Height Summation:			**1442.531**				
Amount Avg CF:			**0.002326**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 05:47:35
Instrument : CP20--17342B
Result file : 20PCBS17278001B.043.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 96% (53-140) Conc.: 0.193122
%SSR(DCB) : 91% (45-143) Conc.: 0.183546

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	98.38	
3.13	3.14	3.17	1911.083	0.001441			2
+ 3.13	3.15	3.17	1485.176	0.00112			2
3.28	3.30	3.32	16991.82	0.01322			3
3.32	3.33	3.36	2781.935	0.002108			4
3.39	3.40	3.43	4240.604	0.002908			5
3.55	3.56	3.59	20681.93	0.016821			6
Height Summation:			**46607.372**				
Amount Avg CF:			**0.0073**	Linear:			
Aroclor-1221					2	133.63	
2.68	2.69	2.72	9901.589	0.015989			1
2.75	2.75	2.79	214710.4	0.564088			2
Height Summation:			**224611.989**				
Amount Avg CF:			**0.290039**	Linear:			
Aroclor-1232					5	101.61	
3.13	3.14	3.17	1911.083	0.002971			2
+ 3.13	3.15	3.17	1485.176	0.002309			2
3.28	3.30	3.32	16991.82	0.02753			3
3.32	3.33	3.36	2781.935	0.00425			4
3.39	3.40	3.43	4240.604	0.006166			5
3.55	3.56	3.59	20681.93	0.038406			6
Height Summation:			**46607.372**				
Amount Avg CF:			**0.015865**	Linear:			
Aroclor-1242					5	98.76	
3.13	3.14	3.17	1911.083	0.001065			2
+ 3.13	3.15	3.17	1485.176	0.000828			2
3.28	3.30	3.32	16991.82	0.008971			3
3.32	3.33	3.36	2781.935	0.001507			4
3.39	3.40	3.43	4240.604	0.002111			5
3.55	3.56	3.59	20681.93	0.012337			6
Height Summation:			**46607.372**				
Amount Avg CF:			**0.005198**	Linear:			
Aroclor-1248					5	57.84	
3.32	3.33	3.36	2781.935	0.004718			1
3.39	3.40	3.43	4240.604	0.004905			2
3.43	3.45	3.47	3577.828	0.002524			3
3.55	3.56	3.59	20681.93	0.011968			4
3.77	3.79	3.81	15677.31	0.006737			6
Height Summation:			**46959.607**				
Amount Avg CF:			**0.00617**	Linear:			
Aroclor-1254					4	97.64	
4.06	4.08	4.10	16345.07	0.008379			1
4.12	4.13	4.16	3460.976	0.00103			2
4.21	4.24	4.25	2648.356	0.00158			3
4.56	4.60	4.60	6862.096	0.002814			6
Height Summation:			**29316.498**				
Amount Avg CF:			**0.003451**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKNN Sample ID: NN **Batchnumber: 1727799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 05:47:35
Instrument : CP20--17342A
Result file : 20PCBS17278001.043.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**120.48**	
5.96	5.98	6.00	13085.05	0.008063			3
6.02	6.04	6.06	12766.4	0.032985			4
6.20	6.22	6.24	1442.531	0.002275			5
6.40	6.42	6.44	21801.56	0.004116			6

Height Summation: **49095.541**
Amount Avg CF: **0.01186** Linear:

Analysis Report (B)

Injected on : Oct 06, 2017 05:47:35
Instrument : CP20--17342B
Result file : 20PCBS17278001B.043.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**2**	**59.15**	
4.56	4.60	4.60	6862.096	0.002393			3
+ 4.97	4.98	5.01	2425.173	0.000553			5
4.97	5.01	5.01	4300.549	0.000981			5

Height Summation: **11162.645**
Amount Avg CF: **0.001687** Linear:

Aroclor-1262					**3**	**153.06**	
4.60	4.60	4.64	6862.096	0.002546			1
+ 4.60	4.62	4.64	3550.714	0.001317			1
+ 4.97	4.98	5.01	2425.173	0.000448			3
4.97	5.01	5.01	4300.549	0.000795			3
5.19	5.22	5.23	86277.86	0.039496			4

Height Summation: **97440.505**
Amount Avg CF: **0.014279** Linear:

Aroclor-1268					**4**	**81.20**	
5.19	5.22	5.23	86277.86	0.014533			1
5.39	5.41	5.43	61391.79	0.011452			3
5.46	5.48	5.50	50967.43	0.037108			4
5.82	5.84	5.86	98253.9	0.005293			6

Height Summation: **296890.98**
Amount Avg CF: **0.017096** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 60.70	4	40	
Aroclor-1221						24.84	3	5	
Aroclor-1232						** 59.65	4	40	
Aroclor-1242						** 64.10	4	30	
Aroclor-1248						24.70	4	40	
Aroclor-1254						** 41.17	4	40	
Aroclor-1260						6.26	4	40	
Aroclor-1262						** 143.97	4	40	
Aroclor-1268						36.17	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 10/06/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 7:07

Lab File ID: 20PCBS17278001.050.RAW Initial Calibration: 20PCBS1727801

Lab Standard ID: AR164IP Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.90	2.87	2.93	41.51	40.00	4
Decachlorobiphenyl	6.56	6.54	6.60	40.75	40.24	1
Aroclor-1016	3.15	3.14	3.18	204.42	202.00	1
	3.37	3.35	3.39	210.63	202.00	4
	3.48	3.46	3.50	200.41	202.00	-1
	3.70	3.68	3.72	203.90	202.00	1
	3.75	3.73	3.77	210.87	202.00	4
	3.94	3.92	3.96	203.21	202.00	1
Aroclor-1260	4.71	4.69	4.73	204.50	201.64	1
	4.91	4.89	4.93	205.47	201.64	2
	5.12	5.10	5.14	198.16	201.64	-2
	5.34	5.33	5.37	215.18	201.64	7
	5.58	5.56	5.60	208.61	201.64	3
	5.79	5.77	5.81	201.50	201.64	0

Compounds 14 Average of %D: 2

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 10/06/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 7:07

Lab File ID: 20PCBS17278001B.050.RAW Initial Calibration: 20PCBS1727801B

Lab Standard ID: AR164IP Init. Calib Date(s): 10/05/17 10/06/17

Calibration: 20PCBS1727801B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	39.96	40.00	0
Decachlorobiphenyl	5.99	5.96	6.02	38.21	40.24	-5
Aroclor-1016	2.82	2.80	2.84	199.67	202.00	-1
	3.14	3.13	3.17	201.43	202.00	0
	3.30	3.28	3.32	197.81	202.00	-2
	3.34	3.32	3.36	203.81	202.00	1
	3.41	3.39	3.43	201.27	202.00	0
	3.57	3.55	3.59	197.88	202.00	-2
Aroclor-1260	4.36	4.34	4.38	200.04	201.64	-1
	4.46	4.44	4.48	189.95	201.64	-6
	4.58	4.56	4.60	194.97	201.64	-3
	4.80	4.78	4.82	200.25	201.64	-1
	4.99	4.97	5.01	192.69	201.64	-4
	5.25	5.23	5.27	189.44	201.64	-6

Compounds 14 Average of %D: 2

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKNO Sample ID: NO **Batchnumber: 1727799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 07:18:35
Instrument : CP20--17342A
Result file : 20PCBS17278001.051.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 101% (53-140) Conc.: 0.203596
%SSR(DCB) : 98% (45-143) Conc.: 0.198635

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	29.85	
3.46	3.48	3.50	2423.415	0.006289			3
3.73	3.74	3.77	1615.959	0.004097			5
Height Summation:			**4039.374**				
Amount Avg CF:			**0.005193**	Linear:			
Aroclor-1221					1		
3.09	3.10	3.13	48411.98	0.364906			2
Height Summation:			**48411.98**				
Amount Avg CF:			**0.364906**	Linear:			
Aroclor-1232					2	26.84	
3.46	3.48	3.50	2423.415	0.01343			3
3.73	3.74	3.77	1615.959	0.009146			5
Height Summation:			**4039.374**				
Amount Avg CF:			**0.011288**	Linear:			
Aroclor-1242					2	30.62	
3.46	3.48	3.50	2423.415	0.004318			3
3.73	3.74	3.77	1615.959	0.002781			5
Height Summation:			**4039.374**				
Amount Avg CF:			**0.00355**	Linear:			
Aroclor-1248					2	22.83	
3.73	3.74	3.77	1615.959	0.007022			2
4.19	4.21	4.23	1899.056	0.00507			6
Height Summation:			**3515.015**				
Amount Avg CF:			**0.006046**	Linear:			
Aroclor-1254					2	30.59	
+ 4.57	4.58	4.61	362.4661	0.000399			2
4.57	4.59	4.61	1199.697	0.001321			2
4.78	4.80	4.82	1246.317	0.002051			4
Height Summation:			**2446.014**				
Amount Avg CF:			**0.001686**	Linear:			
Aroclor-1262					1		
6.19	6.20	6.23	412.6771	0.000665			6
Height Summation:			**412.6771**				
Amount Avg CF:			**0.000665**	Linear:			
Aroclor-1268					4	122.29	
5.96	5.98	6.00	13599.7	0.00838			3
6.02	6.04	6.06	11247.29	0.02906			4
6.20	6.20	6.24	412.6771	0.000651			5
6.40	6.42	6.44	19952.21	0.003767			6
Height Summation:			**45211.8771**				
Amount Avg CF:			**0.010465**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 07:18:35
Instrument : CP20--17342B
Result file : 20PCBS17278001B.051.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 96% (53-140) Conc.: 0.193123
%SSR(DCB) : 91% (45-143) Conc.: 0.182933

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	127.43	
2.80	2.81	2.84	2793.968	0.002605			1
3.13	3.14	3.17	1328.377	0.001002			2
3.28	3.30	3.32	18306.89	0.014243			3
3.32	3.33	3.36	3227.881	0.002446			4
3.55	3.56	3.59	40605.05	0.033025			6
Height Summation:			**66262.166**				
Amount Avg CF:			**0.010664**	Linear:			
Aroclor-1221					3	166.64	
2.68	2.70	2.72	8229.728	0.013289			1
2.75	2.75	2.79	223297.5	0.586648			2
2.80	2.81	2.84	2793.968	0.001978			3
Height Summation:			**234321.196**				
Amount Avg CF:			**0.200639**	Linear:			
Aroclor-1232					5	138.04	
2.80	2.81	2.84	2793.968	0.002265			1
3.13	3.14	3.17	1328.377	0.002065			2
3.28	3.30	3.32	18306.89	0.029661			3
3.32	3.33	3.36	3227.881	0.004931			4
3.55	3.56	3.59	40605.05	0.075402			6
Height Summation:			**66262.166**				
Amount Avg CF:			**0.022865**	Linear:			
Aroclor-1242					5	129.75	
2.80	2.81	2.84	2793.968	0.00189			1
3.13	3.14	3.17	1328.377	0.00074			2
3.28	3.30	3.32	18306.89	0.009665			3
3.32	3.33	3.36	3227.881	0.001749			4
3.55	3.56	3.59	40605.05	0.024221			6
Height Summation:			**66262.166**				
Amount Avg CF:			**0.007653**	Linear:			
Aroclor-1248					4	114.53	
3.32	3.33	3.36	3227.881	0.005474			1
3.43	3.45	3.47	4213.022	0.002972			3
3.55	3.56	3.59	40605.05	0.023497			4
+ 3.64	3.64	3.68	1776.373	0.001377			5
3.64	3.67	3.68	3616.463	0.002803			5
Height Summation:			**51662.416**				
Amount Avg CF:			**0.008687**	Linear:			
Aroclor-1254					4	52.28	
+ 4.06	4.06	4.10	6300.067	0.003229			1
4.06	4.08	4.10	9828.651	0.005038			1
4.12	4.14	4.16	8258.203	0.002457			2
4.34	4.36	4.38	2575.305	0.001952			4
4.56	4.60	4.60	15183.88	0.006227			6
Height Summation:			**35846.039**				
Amount Avg CF:			**0.003918**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKNO Sample ID: NO **Batchnumber: 1727799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 06, 2017 07:18:35
Instrument : CP20--17342A
Result file : 20PCBS17278001.051.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 06, 2017 07:18:35
Instrument : CP20--17342B
Result file : 20PCBS17278001B.051.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**114.29**	
4.34	4.36	4.38	2575.305	0.000878			1
4.56	4.60	4.60	15183.88	0.005294			3
4.97	5.01	5.01	2970.133	0.000678			5
Height Summation:			**20729.318**				
Amount Avg CF:			**0.002283**	Linear:			
Aroclor-1262					**3**	**143.67**	
4.60	4.60	4.64	15183.88	0.005634			1
4.97	5.01	5.01	2970.133	0.000549			3
+ 5.19	5.19	5.23	4309.881	0.001973			4
5.19	5.22	5.23	102478.1	0.046912			4
Height Summation:			**120632.113**				
Amount Avg CF:			**0.017698**	Linear:			
Aroclor-1268					**4**	**78.32**	
+ 5.19	5.19	5.23	4309.881	0.000726			1
5.19	5.22	5.23	102478.1	0.017262			1
5.39	5.41	5.43	63770.77	0.011896			3
5.46	5.48	5.50	52116.83	0.037944			4
5.82	5.84	5.86	95703.71	0.005155			6
Height Summation:			**314069.41**				
Amount Avg CF:			**0.018064**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 69.01	4	40	
Aroclor-1221						** 58.09	3	5	
Aroclor-1232						** 67.79	4	40	
Aroclor-1242						** 73.26	4	30	
Aroclor-1248						35.84	4	40	
Aroclor-1254						** 79.67	4	40	
Aroclor-1260							4	40	
Aroclor-1262						** 185.51	4	40	
Aroclor-1268						** 53.28	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 25PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	40.31	40.00	1
Decachlorobiphenyl	6.60	6.57	6.63	43.90	40.24	9
Aroclor-1016	3.18	3.16	3.20	186.14	202.00	-8
	3.40	3.38	3.42	190.68	202.00	-6
	3.51	3.49	3.53	188.21	202.00	-7
	3.73	3.71	3.75	201.04	202.00	0
	3.79	3.76	3.80	202.62	202.00	0
	3.98	3.96	4.00	198.80	202.00	-2
Aroclor-1260	4.75	4.73	4.77	205.23	201.64	2
	4.95	4.93	4.97	205.44	201.64	2
	5.16	5.13	5.17	210.42	201.64	4
	5.38	5.36	5.40	201.34	201.64	0
	5.62	5.60	5.64	220.39	201.64	9
	5.82	5.80	5.84	212.00	201.64	5

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 25PCBS1728401B

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

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

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

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

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

Analysis Report (B)

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

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

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

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

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

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

Analysis Report (B)

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

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

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

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

Analysis Report (B)

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

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

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

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

Analysis Report (B)

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

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

Height Summation: **283608.2049**
Amount Avg CF: **0.035497** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		25.34	4	40	
Aroclor-1221			17	5.1		0.66	3	5	
Aroclor-1232			17	4.1		25.06	4	10	
Aroclor-1242			17	4.1		14.62	4	30	
Aroclor-1248			17	3.3		** 42.33	4	40	
Aroclor-1254			17	4.4		10.07	4	40	
Aroclor-1260			17	3.9		** 63.21	4	40	
Aroclor-1262			17	3.3		** 46.45	4	40	
Aroclor-1268			17	3.3		19.03	4	40	

Units: ug/kg

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 20PCBS17275001
Instrument CP20--17342A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	20PCBS17275001.001	CONDITIONER		10/2/17 20:03	1727499999	1.00
9065	20PCBS17275001.002	CONDITIONER		10/2/17 20:14	1727499999	1.00
9065	20PCBS17275001.003	CONDITIONER		10/2/17 20:26	1727499999	1.00
9065	20PCBS17275001.004	CONDITIONER		10/2/17 20:37	1727499999	1.00
9065	20PCBS17275001.005	IBLKX1724B	PIBLKAA	10/2/17 20:48	1727499999	10.00
9065	20PCBS17275001.006	EVALX1724A	EVALXAA	10/2/17 21:00	1727499999	1.00
9065	20PCBS17275001.007	AR1611724B	AR161AA	10/2/17 21:11	1727499999	1.00
9065	20PCBS17275001.008	AR1621724B	AR162AA	10/2/17 21:22	1727499999	1.00
9065	20PCBS17275001.009	AR1631724B	AR163AA	10/2/17 21:34	1727499999	1.00
9065	20PCBS17275001.010	AR1641724B	AR164AA	10/2/17 21:45	1727499999	1.00
9065	20PCBS17275001.011	AR1651724B	AR165AA	10/2/17 21:56	1727499999	1.00
9065	20PCBS17275001.012	AR1661724A	AR166AA	10/2/17 22:08	1727499999	1.00
9065	20PCBS17275001.013	AR4811724C	AR481AA	10/2/17 22:19	1727499999	1.00
9065	20PCBS17275001.014	AR4821724C	AR482AA	10/2/17 22:30	1727499999	1.00
9065	20PCBS17275001.015	AR4831724C	AR483AA	10/2/17 22:42	1727499999	1.00
9065	20PCBS17275001.016	AR4841724C	AR484AA	10/2/17 22:53	1727499999	1.00
9065	20PCBS17275001.017	AR4851724C	AR485AA	10/2/17 23:05	1727499999	1.00
9065	20PCBS17275001.018	AR4861724B	AR486AA	10/2/17 23:16	1727499999	1.00
9065	20PCBS17275001.019	AR5411724C	AR541AA	10/2/17 23:27	1727499999	1.00
9065	20PCBS17275001.020	AR5421724C	AR542AA	10/2/17 23:39	1727499999	1.00
9065	20PCBS17275001.021	AR5431724C	AR543AA	10/2/17 23:50	1727499999	1.00
9065	20PCBS17275001.022	AR5441724C	AR544AA	10/3/17 0:01	1727499999	1.00
9065	20PCBS17275001.023	AR5451724C	AR545AA	10/3/17 0:13	1727499999	1.00
9065	20PCBS17275001.024	AR5461724B	AR546AA	10/3/17 0:24	1727499999	1.00
9065	20PCBS17275001.025	AR6231724A	AR623AA	10/3/17 0:36	1727499999	1.00
9065	20PCBS17275001.026	AR6831724B	AR683AA	10/3/17 0:47	1727499999	1.00
9065	20PCBS17275001.027	AR2131724A	AR213AA	10/3/17 0:58	1727499999	1.00
9065	20PCBS17275001.028	AR3241724A	AR324AA	10/3/17 1:10	1727499999	1.00
9065	20PCBS17275001.029	AR4231724A	AR423AA	10/3/17 1:21	1727499999	1.00
9065	20PCBS17275001.030	AR16XX1724B	AR16XAA	10/3/17 1:32	1727499999	1.00
9065	20PCBS17275001.031	MD16X1724B	MD16XAA	10/3/17 1:44	1727499999	1.00
9065	20PCBS17275001.032	IC16X1724C	IC16XAA	10/3/17 1:55	1727499999	1.00
9065	20PCBS17275001.033	IC48X1724B	IC48XAA	10/3/17 2:07	1727499999	1.00
9065	20PCBS17275001.034	IC54X1724B	IC54XAA	10/3/17 2:18	1727499999	1.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 20PCBS17278001
Instrument CP20--17342A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	20PCBS17278001.001	CONDITIONER		10/5/17 21:48	1727799999	1.00
9065	20PCBS17278001.002	CONDITIONER		10/5/17 22:00	1727799999	1.00
9065	20PCBS17278001.003	CONDITIONER		10/5/17 22:11	1727799999	1.00
9065	20PCBS17278001.004	CONDITIONER		10/5/17 22:22	1727799999	1.00
9065	20PCBS17278001.005	IBLKX1724B	PIBLKAA	10/5/17 22:34	1727799999	10.00
9065	20PCBS17278001.006	EVALX1724A	EVALXAA	10/5/17 22:45	1727799999	1.00
9065	20PCBS17278001.007	AR1611724B	AR161AA	10/5/17 22:57	1727799999	1.00
9065	20PCBS17278001.008	AR1621724B	AR162AA	10/5/17 23:08	1727799999	1.00
9065	20PCBS17278001.009	AR1631724B	AR163AA	10/5/17 23:19	1727799999	1.00
9065	20PCBS17278001.010	AR1641724B	AR164AA	10/5/17 23:30	1727799999	1.00
9065	20PCBS17278001.011	AR1651724B	AR165AA	10/5/17 23:42	1727799999	1.00
9065	20PCBS17278001.012	AR1661724A	AR166AA	10/5/17 23:53	1727799999	1.00
9065	20PCBS17278001.013	AR4811724C	AR481AA	10/6/17 0:04	1727799999	1.00
9065	20PCBS17278001.014	AR4821724C	AR482AA	10/6/17 0:16	1727799999	1.00
9065	20PCBS17278001.015	AR4831724C	AR483AA	10/6/17 0:27	1727799999	1.00
9065	20PCBS17278001.016	AR4841724C	AR484AA	10/6/17 0:39	1727799999	1.00
9065	20PCBS17278001.017	AR4851724C	AR485AA	10/6/17 0:50	1727799999	1.00
9065	20PCBS17278001.018	AR4861724B	AR486AA	10/6/17 1:01	1727799999	1.00
9065	20PCBS17278001.019	AR5411724C	AR541AA	10/6/17 1:13	1727799999	1.00
9065	20PCBS17278001.020	AR5421724C	AR542AA	10/6/17 1:24	1727799999	1.00
9065	20PCBS17278001.021	AR5431724C	AR543AA	10/6/17 1:36	1727799999	1.00
9065	20PCBS17278001.022	AR5441724C	AR544AA	10/6/17 1:47	1727799999	1.00
9065	20PCBS17278001.023	AR5451724C	AR545AA	10/6/17 1:58	1727799999	1.00
9065	20PCBS17278001.024	AR5461724B	AR546AA	10/6/17 2:10	1727799999	1.00
9065	20PCBS17278001.025	AR6231724A	AR623AA	10/6/17 2:21	1727799999	1.00
9065	20PCBS17278001.026	AR6831724B	AR683AA	10/6/17 2:33	1727799999	1.00
9065	20PCBS17278001.027	AR2131724A	AR213AA	10/6/17 2:44	1727799999	1.00
9065	20PCBS17278001.028	AR3241724A	AR324AA	10/6/17 2:56	1727799999	1.00
9065	20PCBS17278001.029	AR4231724A	AR423AA	10/6/17 3:07	1727799999	1.00
9065	20PCBS17278001.030	AR16XX1724B	AR16XAA	10/6/17 3:19	1727799999	1.00
9065	20PCBS17278001.031	MD16X1724B	MD16XAA	10/6/17 3:30	1727799999	1.00
9065	20PCBS17278001.032	IC16X1724C	IC16XAA	10/6/17 3:42	1727799999	1.00
9065	20PCBS17278001.033	IC48X1724B	IC48XAA	10/6/17 3:53	1727799999	1.00
9065	20PCBS17278001.034	IC54X1724B	IC54XAA	10/6/17 4:04	1727799999	1.00
9065	20PCBS17278001.035	9239339 RI ACF	L6505	10/6/17 4:16	172760017A	10.00
9065	20PCBS17278001.036	9239341 RI ACF	L6507	10/6/17 4:27	172760017A	10.00
9065	20PCBS17278001.037	9239345 RI ACF	L6508	10/6/17 4:39	172760017A	10.00
9065	20PCBS17278001.038	BLANKA 10/3/17 RI A	PBLK19276	10/6/17 4:50	172760019A	10.00
9065	20PCBS17278001.039	LCSA 10/3/17 RI ACF	LCS19276	10/6/17 5:01	172760019A	10.00
9065	20PCBS17278001.040	LCSDA 10/3/17 RI AC	LCSD19276	10/6/17 5:13	172760019A	10.00
9065	20PCBS17278001.041	9174375R RI ACF	3WAL2	10/6/17 5:24	172760019A	10.00
9065	20PCBS17278001.042	AR1641724B	AR164IO	10/6/17 5:36	1727799999	1.00
9065	20PCBS17278001.043	IBLKX1724B	PIBLKNN	10/6/17 5:47	1727799999	10.00
9065	20PCBS17278001.044	9229374 ACF DF10095A07		10/6/17 5:58	172760009A	10,000.00
9065	20PCBS17278001.045	9229371 ACF DF20095A04		10/6/17 6:10	172760009A	2,000.00
9065	20PCBS17278001.046	9229371 ACF DF50095A04		10/6/17 6:21	172760009A	5,000.00
9065	20PCBS17278001.047	9229371 ACF DF10095A04		10/6/17 6:32	172760009A	10,000.00
9065	20PCBS17278001.048	9229368 RI ACF DF195A01		10/6/17 6:44	172760009A	1,000.00
9065	20PCBS17278001.049	9229368 ACF DF50095A01		10/6/17 6:55	172760009A	5,000.00
9065	20PCBS17278001.050	AR1641724B	AR164IP	10/6/17 7:07	1727799999	1.00
9065	20PCBS17278001.051	IBLKX1724B	PIBLKNO	10/6/17 7:18	1727799999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17284001
Instrument CP25--18274A

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

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

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

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 20PCBS17275004
Instrument CP20--17342A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	20PCBS17275004.001	CONDITIONER		10/4/17 22:34	1727699999	1.00
9065	20PCBS17275004.002	CONDITIONER		10/4/17 22:45	1727699999	1.00
9065	20PCBS17275004.003	CONDITIONER		10/4/17 22:57	1727699999	1.00
9065	20PCBS17275004.004	CONDITIONER		10/4/17 23:08	1727699999	1.00
9065	20PCBS17275004.005	AR1641724B	AR164IC	10/4/17 23:19	1727699999	1.00
9065	20PCBS17275004.006	IBLKX1724B	PIBLKMV	10/4/17 23:31	1727699999	10.00
9065	20PCBS17275004.007	BLANKA 10/4/17 ACF	PBLK31276	10/4/17 23:42	172760031A	10.00
9065	20PCBS17275004.008	LCSA 10/4/17 ACF	LCS31276	10/4/17 23:54	172760031A	10.00
9065	20PCBS17275004.009	9240972R RI ACF	E-T01	10/5/17 0:05	172760031A	10.00
9065	20PCBS17275004.010	9240972RMS ACF	E-T01MS	10/5/17 0:16	172760031A	10.00
9065	20PCBS17275004.011	9240972RMSD ACF	E-T01MSD	10/5/17 0:28	172760031A	10.00
9065	20PCBS17275004.012	9240973R RI ACF	E-T02	10/5/17 0:39	172760031A	10.00
9065	20PCBS17275004.013	9242565 ACF DF10	03E01	10/5/17 0:51	172760031A	100.00
9065	20PCBS17275004.014	9242566 ACF DF10	03E02	10/5/17 1:02	172760031A	100.00
9065	20PCBS17275004.015	9242567 ACF DF10	03E03	10/5/17 1:13	172760031A	100.00
9065	20PCBS17275004.016	9242568 RI ACF	03E04	10/5/17 1:25	172760031A	10.00
9065	20PCBS17275004.017	9242569 RI ACF	03E05	10/5/17 1:36	172760031A	10.00
9065	20PCBS17275004.018	9242570 RI ACF	03E06	10/5/17 1:48	172760031A	10.00
9065	20PCBS17275004.019	9242571 RI ACF	03E07	10/5/17 1:59	172760031A	10.00
9065	20PCBS17275004.020	9242572 ACF DF5	03E08	10/5/17 2:10	172760031A	50.00
9065	20PCBS17275004.021	9242573 ACF DF5	03E09	10/5/17 2:22	172760031A	50.00
9065	20PCBS17275004.022	9242574 RI ACF	03E10	10/5/17 2:33	172760031A	10.00
9065	20PCBS17275004.023	9242575 RI ACF	03E11	10/5/17 2:44	172760031A	10.00
9065	20PCBS17275004.024	9242576 RI ACF	03E12	10/5/17 2:56	172760031A	10.00
9065	20PCBS17275004.025	9242577 RI ACF	03E13	10/5/17 3:07	172760031A	10.00
9065	20PCBS17275004.027	AR1641724B	AR164ID	10/5/17 3:30	1727699999	1.00
9065	20PCBS17275004.028	IBLKX1724B	PIBLKMW	10/5/17 3:42	1727699999	10.00
9065	20PCBS17275004.029	9242579 ACF DF5	3ES02	10/5/17 3:53	172760031A	50.00
9065	20PCBS17275004.030	BLANKA 10/4/17 ACF	PBLK17276	10/5/17 4:04	172760017A	10.00
9065	20PCBS17275004.031	LCSA 10/4/17 ACF	LCS17276	10/5/17 4:16	172760017A	10.00
9065	20PCBS17275004.032	AR1641724B	AR164IE	10/5/17 4:27	1727699999	1.00
9065	20PCBS17275004.033	IBLKX1724B	PIBLKMX	10/5/17 4:39	1727699999	10.00
9065	20PCBS17275004.034	9208403 ACF DF20		10/5/17 4:50	172760017A	200.00
9065	20PCBS17275004.035	9208403 ACF DF50		10/5/17 5:01	172760017A	500.00
9065	20PCBS17275004.036	9208403 ACF DF100		10/5/17 5:13	172760017A	1,000.00
9065	20PCBS17275004.037	9225484 RI ACF	R4905	10/5/17 5:24	172760017A	10.00
9065	20PCBS17275004.038	9234697 RI ACF	E0301	10/5/17 5:36	172760017A	10.00
9065	20PCBS17275004.039	9234701 RI ACF	E0305	10/5/17 5:47	172760017A	10.00
9065	20PCBS17275004.040	9234701MS ACF	E0305MS	10/5/17 5:58	172760017A	10.00
9065	20PCBS17275004.041	9234701MSD ACF	E0305MSD	10/5/17 6:10	172760017A	10.00
9065	20PCBS17275004.042	9235476 RI ACF	RBDB3	10/5/17 6:21	172760017A	10.00
9065	20PCBS17275004.043	9239338 RI ACF	L6504	10/5/17 6:33	172760017A	10.00
9065	20PCBS17275004.044	AR1641724B	AR164IF	10/5/17 6:44	1727699999	1.00
9065	20PCBS17275004.045	IBLKX1724B	PIBLKMY	10/5/17 6:55	1727699999	10.00
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9065	20PCBS17275004.047	9239341 RI ACF	L6507	10/5/17 7:18	172760017A	10.00
9065	20PCBS17275004.048	9239345 RI ACF	L6508	10/5/17 8:05	172760017A	10.00
9065	20PCBS17275004.049	9239368 RI ACF	GS4C7	10/5/17 8:13	172760017A	10.00
9065	20PCBS17275004.050	9241074 RI ACF	74601	10/5/17 8:24	172760017A	10.00
9065	20PCBS17275004.051	AR1641724B	AR164IG	10/5/17 8:36	1727699999	1.00
9065	20PCBS17275004.052	IBLKX1724B	PIBLKMZ	10/5/17 8:47	1727699999	10.00
9065	20PCBS17275004.053	BLANKA 10/3/17 ACF	PBLK19276	10/5/17 8:58	172760019A	10.00
9065	20PCBS17275004.054	LCSA 10/3/17 ACF	LCS19276	10/5/17 9:10	172760019A	10.00
9065	20PCBS17275004.055	LCSDA 10/3/17 ACF	LCSD19276	10/5/17 9:21	172760019A	10.00
9065	20PCBS17275004.056	9174375R ACF	3WAL2	10/5/17 9:33	172760019A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	20PCBS17275004.057	BLANKA 10/3/17 ACF	PBLK09276	10/5/17 9:44	172760009A	10.00
9065	20PCBS17275004.058	LCSA 10/3/17 ACF	LCS09276	10/5/17 9:56	172760009A	10.00
9065	20PCBS17275004.059	AR1641724B	AR164IH	10/5/17 10:07	1727699999	1.00
9065	20PCBS17275004.060	IBLKX1724B	PIBLKNA	10/5/17 10:19	1727699999	10.00
9065	20PCBS17275004.061	9229260 ACF DF10	93A16	10/5/17 10:30	172760009A	100.00
9065	20PCBS17275004.062	9229261 ACF DF500	93A17	10/5/17 10:42	172760009A	5,000.00
9065	20PCBS17275004.063	9229262 ACF DF500	93A18	10/5/17 10:53	172760009A	5,000.00
9065	20PCBS17275004.064	9229283 ACF DF10	A9401	10/5/17 11:04	172760009A	100.00
9065	20PCBS17275004.065	9229285 ACF DF200	A9403	10/5/17 11:16	172760009A	2,000.00
9065	20PCBS17275004.066	9229368 ACF DF100	95A01	10/5/17 11:27	172760009A	1,000.00
9065	20PCBS17275004.067	9229369 ACF DF500	95A02	10/5/17 11:39	172760009A	5,000.00
9065	20PCBS17275004.068	9229370 ACF DF20	95A03	10/5/17 11:50	172760009A	200.00
9065	20PCBS17275004.069	9229371 RI ACF	95A04	10/5/17 12:01	172760009A	10.00
9065	20PCBS17275004.070	9229372 ACF DF50	95A05	10/5/17 12:13	172760009A	500.00
9065	20PCBS17275004.071	9229373 ACF DF20	95A06	10/5/17 12:24	172760009A	200.00
9065	20PCBS17275004.072	9229374 ACF DF500	95A07	10/5/17 12:36	172760009A	5,000.00
9065	20PCBS17275004.073	9229375 ACF DF200	95A08	10/5/17 12:47	172760009A	2,000.00
9065	20PCBS17275004.074	9229375 ACF DF500	95A08	10/5/17 12:59	172760009A	5,000.00
9065	20PCBS17275004.075	9229376 ACF DF2000	95A09	10/5/17 13:10	172760009A	20,000.00
9065	20PCBS17275004.076	9229377 RI ACF DF100	95A10	10/5/17 13:22	172760009A	10,000.00
9065	20PCBS17275004.077	9229377 ACF DF2000	95A10	10/5/17 13:33	172760009A	20,000.00
9065	20PCBS17275004.078	9229378 ACF DF50	95A11	10/5/17 13:44	172760009A	500.00
9065	20PCBS17275004.079	9229379MS ACF DF50	95A11	10/5/17 13:56	172760009A	500.00
9065	20PCBS17275004.080	9229380MSD ACF DF5	95A11	10/5/17 14:07	172760009A	500.00
9065	20PCBS17275004.081	AR1641724B	AR164II	10/5/17 14:19	1727699999	1.00
9065	20PCBS17275004.082	IBLKX1724B	PIBLKNB	10/5/17 14:30	1727699999	10.00
9065	20PCBS17275004.083	9229381 ACF DF100	95A12	10/5/17 14:41	172760009A	1,000.00
9065	20PCBS17275004.084	9229382 ACF DF200	95A13	10/5/17 14:53	172760009A	2,000.00
9065	20PCBS17275004.085	9229383 ACF DF5000	95A14	10/5/17 15:04	172760009A	50,000.00
9065	20PCBS17275004.086	9229384 ACF DF50	95A15	10/5/17 15:16	172760009A	500.00
9065	20PCBS17275004.087	BLANKA 10/4/17 ACF	PBLK15276	10/5/17 15:27	172760015A	10.00
9065	20PCBS17275004.088	LCSA 10/4/17 ACF	LCS15276	10/5/17 15:39	172760015A	10.00
9065	20PCBS17275004.089	AR1641724B	AR164IJ	10/5/17 15:50	1727699999	1.00
9065	20PCBS17275004.090	IBLKX1724B	PIBLKNC	10/5/17 16:02	1727699999	10.00
9065	20PCBS17275004.091	9228912 RI ACF	54421	10/5/17 16:13	172760015A	10.00
9065	20PCBS17275004.092	9228912 ACF DF5	54421	10/5/17 16:24	172760015A	50.00
9065	20PCBS17275004.093	9228912MS ACF	54421MS	10/5/17 16:36	172760015A	10.00
9065	20PCBS17275004.094	9228912MS ACF DF5	54421MS	10/5/17 16:47	172760015A	50.00
9065	20PCBS17275004.095	9228912MSD ACF	54421MSD	10/5/17 16:59	172760015A	10.00
9065	20PCBS17275004.096	9228912MSD ACF DF5	54421MSD	10/5/17 17:10	172760015A	50.00
9065	20PCBS17275004.097	9239571 RI ACF	481-1	10/5/17 17:22	172760015A	10.00
9065	20PCBS17275004.098	9239571 ACF DF5	481-1	10/5/17 17:33	172760015A	50.00
9065	20PCBS17275004.099	9239575 RI ACF	481-5	10/5/17 17:45	172760015A	10.00
9065	20PCBS17275004.100	9239575 ACF DF5	481-5	10/5/17 17:56	172760015A	50.00
9065	20PCBS17275004.101	9241612 RI ACF	19889	10/5/17 18:08	172760015A	10.00
9065	20PCBS17275004.102	9241612 ACF DF5	19889	10/5/17 18:19	172760015A	50.00
9065	20PCBS17275004.103	9241612 ACF DF10	19889	10/5/17 18:30	172760015A	100.00
9065	20PCBS17275004.104	AR1641724B	AR164IK	10/5/17 18:42	1727699999	1.00
9065	20PCBS17275004.105	IBLKX1724B	PIBLKND	10/5/17 18:53	1727699999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATG95

Fraction: Polychlorinated Biphenyls (PCBs)

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

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Data Summary

Sample Name: 9229368 RI ACF DF100 95A01 Sample ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.12 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 06, 2017 06:44:24
Instrument	17342A
Result file	20PCBS17278001.048.RAW
Calibration file	20PCBS1727801
Method file	20PCBS

%SSR(TCX) 72% (61 - 152) Conc: 21.78114
%SSR(DCB) 87% (48 - 164) Conc: 23.2863

Analysis Report (B)

Injected on	Oct 06, 2017 06:44:24
Instrument	17342B
Result file	20PCBS17278001B.048.RAW
Calibration file	20PCBS1727801B
Method file	20PCBSB

%SSR(TCX) 95% (61 - 152) Conc: 28.72142
%SSR(DCB) 102% (48 - 164) Conc: 27.43309

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.87	2.90	2.93	43217	21.78114
Decachlorobiphenyl	6.54	6.56	6.60	31792	23.2863

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	171593	28.72142
Decachlorobiphenyl	5.96	5.99	6.02	141898	27.43309

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	28.72142				27.48	
☑	Tetrachloro-m-xylene-D1	A	21.78114					
☑	Tetrachloro-m-xylene-D2	B	28.72142					
☐	Decachlorobiphenyl	B	27.43309				16.35	
☑	Decachlorobiphenyl-D1	A	23.2863					
☑	Decachlorobiphenyl-D2	B	27.43309					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**34.06**	
4.51	4.53	4.55	424938.2	9423.246348			1
4.57	4.59	4.61	1917518	20868.995575			2
4.69	4.71	4.73	847669.8	29263.781789			3
4.78	4.80	4.82	1316893	21410.11288			4
4.98	5.00	5.02	778720.6	18072.505865			5
5.10	5.12	5.14	1785878	28010.763039			6

Height summation: **7071617.6**
Concentration CF: **21174.900916** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**31.76**	
4.06	4.08	4.10	2077320	10522.31584			1
4.12	4.14	4.16	6545024	19238.562003			2
4.21	4.23	4.25	3832465	22589.683494			3
4.34	4.36	4.38	4191359	31385.228765			4
4.43	4.45	4.47	2784480	24710.893523			5
4.56	4.58	4.60	6602336	26754.696071			6

Height summation: **26032984**
Concentration CF: **22533.563283** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<5039.5257	<978.2609	D1		4	
☑	PCB-1221			<5039.5257	<1511.8577	D1		3	
☑	PCB-1232			<5039.5257	<1215.415	D1		4	
☑	PCB-1242			<5039.5257	<1215.415	D1		4	
☑	PCB-1248			<5039.5257	<978.2609	D1		4	
☑	PCB-1254	B	22533.563283	5039.5257	1304.3478	D2	6.22	4	
☑	PCB-1260			<5039.5257	<1156.1265	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Kirby B Turner on 10/9/2017 13:10:32

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229368** RI ACF DF100 95A01 Sample ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.12 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 06, 2017 06:44:24
Instrument : CP20--17342A
Result file : 20PCBS17278001.048.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 72% (61-152) Conc.: 21.78114
%SSR(DCB) : 87% (48-164) Conc.: 23.2863

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	97.05	
3.14	3.15	3.18	7500.938	235.260531			1
+ 3.35	3.37	3.39	12534.19	377.615456			2
3.35	3.39	3.39	20480.19	617.003275			2
3.46	3.48	3.50	62006.5	1589.95151			3
3.68	3.70	3.72	67870.52	1464.704735			4
3.73	3.75	3.77	22056.38	552.50889			5
3.92	3.94	3.96	122191.7	3956.996317			6
Height Summation:			**302106.228**				
Amount Avg CF:			**1402.737543**	Linear:			
Aroclor-1221					3	62.27	
3.03	3.06	3.07	5896.936	381.715737			1
3.09	3.11	3.13	1597.054	118.950824			2
3.13	3.15	3.17	7500.938	170.318466			3
Height Summation:			**14994.928**				
Amount Avg CF:			**223.661676**	Linear:			
Aroclor-1232					6	108.14	
3.13	3.15	3.17	7500.938	200.285036			1
+ 3.35	3.37	3.39	12534.19	838.831695			2
3.35	3.39	3.39	20480.19	1370.605719			2
3.46	3.48	3.50	62006.5	3395.579137			3
3.68	3.70	3.72	67870.52	3086.106081			4
3.73	3.75	3.77	22056.38	1233.511347			5
3.92	3.94	3.96	122191.7	9706.883099			6
Height Summation:			**302106.228**				
Amount Avg CF:			**3165.49507**	Linear:			
Aroclor-1242					6	97.61	
3.13	3.15	3.17	7500.938	163.940822			1
+ 3.35	3.37	3.39	12534.19	261.251678			2
3.35	3.39	3.39	20480.19	426.871142			2
3.46	3.48	3.50	62006.5	1091.755782			3
3.68	3.70	3.72	67870.52	960.28573			4
3.73	3.75	3.77	22056.38	375.10377			5
3.92	3.94	3.96	122191.7	2711.130818			6
Height Summation:			**302106.228**				
Amount Avg CF:			**954.848011**	Linear:			
Aroclor-1248					6	90.64	
3.68	3.70	3.72	67870.52	3196.673106			1
3.73	3.75	3.77	22056.38	947.133665			2
3.80	3.82	3.84	244516.8	6164.779915			3
3.92	3.94	3.96	122191.7	2706.147978			4
4.01	4.03	4.05	117140.4	3210.778408			5
4.19	4.19	4.23	508320.5	13410.956304			6
+ 4.19	4.21	4.23	147324	3886.830703			6
Height Summation:			**1082096.3**				
Amount Avg CF:			**4939.411563**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 06:44:24
Instrument : CP20--17342B
Result file : 20PCBS17278001B.048.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 28.72142
%SSR(DCB) : 102% (48-164) Conc.: 27.43309

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	73.22	
2.80	2.82	2.84	12014.68	110.712864			1
3.13	3.14	3.17	244357.4	1820.633212			2
3.28	3.30	3.32	415398.6	3193.627567			3
+* 3.28	3.32	3.32	267206.6	2054.312084			3
* 3.32	3.32	3.36	267206.6	2000.526543			4
+ 3.32	3.34	3.36	41097.7	307.690902			4
+ 3.32	3.35	3.36	178018.2	1332.789438			4
3.39	3.41	3.43	106723.1	723.263186			5
3.55	3.57	3.59	486512.2	3909.990181			6
Height Summation:			**1532212.58**				
Amount Avg CF:			**1959.792259**	Linear:			
Aroclor-1221					3	92.95	
2.68	2.71	2.72	34542.02	551.168155			1
+ 2.75	2.75	2.79	4384.71	113.829358			2
2.75	2.77	2.79	6483.166	168.30637			2
2.80	2.82	2.84	12014.68	84.068722			3
Height Summation:			**53039.866**				
Amount Avg CF:			**267.847749**	Linear:			
Aroclor-1232					6	77.80	
2.80	2.82	2.84	12014.68	96.244488			1
3.13	3.14	3.17	244357.4	3754.131224			2
3.28	3.30	3.32	415398.6	6650.534705			3
3.32	3.32	3.36	267206.6	4033.769159			4
+ 3.32	3.34	3.36	41097.7	620.413698			4
+ 3.32	3.35	3.36	178018.2	2687.374956			4
3.39	3.41	3.43	106723.1	1533.385157			5
3.55	3.57	3.59	486512.2	8927.270009			6
Height Summation:			**1532212.58**				
Amount Avg CF:			**4165.889124**	Linear:			
Aroclor-1242					6	73.07	
2.80	2.82	2.84	12014.68	80.313872			1
3.13	3.14	3.17	244357.4	1345.749436			2
3.28	3.30	3.32	415398.6	2167.03433			3
3.32	3.32	3.36	267206.6	1430.572622			4
+ 3.32	3.34	3.36	41097.7	220.029163			4
+ 3.32	3.35	3.36	178018.2	953.075123			4
3.39	3.41	3.43	106723.1	525.096292			5
3.55	3.57	3.59	486512.2	2867.695993			6
Height Summation:			**1532212.58**				
Amount Avg CF:			**1402.743757**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229368** RI ACF DF100 95A01 Sample ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.12 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 06, 2017 06:44:24
Instrument : CP20--17342A
Result file : 20PCBS17278001.048.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**34.06**	
4.51	4.53	4.55	424938.2	9423.246348			1
4.57	4.58	4.61	1917518	20868.995575			2
4.69	4.71	4.73	847669.8	29263.781789			3
4.78	4.80	4.82	1316893	21410.11288			4
4.98	5.00	5.02	778720.6	18072.505865			5
5.10	5.12	5.14	1785878	28010.763039			6
Height Summation:			**7071617.6**				
Amount Avg CF:			**21174.900916**	Linear:			
Aroclor-1260					**6**	**51.34**	
4.69	4.71	4.73	847669.8	12773.960657			1
4.89	4.91	4.93	1147261	14633.739542			2
5.10	5.12	5.14	1785878	18907.183225			3
5.33	5.34	5.36	270575.5	5667.998677			4
5.56	5.58	5.60	746203.5	5966.735158			5
5.77	5.79	5.81	528031.7	6533.047952			6
Height Summation:			**5325619.5**				
Amount Avg CF:			**10747.110868**	Linear:			
Aroclor-1262					**6**	**47.73**	
5.16	5.18	5.20	211042.2	2509.957553			1
5.33	5.34	5.36	270575.5	4027.002493			2
5.56	5.58	5.60	746203.5	4720.483268			3
5.77	5.79	5.81	528031.7	4936.438196			4
5.82	5.84	5.86	47514.46	984.872451			5
6.19	6.21	6.23	148159.5	2360.783436			6
Height Summation:			**1951526.86**				
Amount Avg CF:			**3256.589566**	Linear:			
Aroclor-1268					**5**	**84.94**	
5.77	5.79	5.81	528031.7	2763.686066			1
5.83	5.84	5.86	47514.46	277.27689			2
+ 6.02	6.03	6.06	15164.52	387.166801			4
6.02	6.06	6.06	128697.4	3285.785551			4
6.20	6.21	6.24	148159.5	2309.003719			5
6.40	6.42	6.44	31497.14	58.764921			6
Height Summation:			**883900.2**				
Amount Avg CF:			**1738.903429**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 06:44:24
Instrument : CP20--17342B
Result file : 20PCBS17278001B.048.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**76.87**	
3.32	3.32	3.36	267206.6	4477.624382			1
+ 3.32	3.34	3.36	41097.7	688.680832			1
+ 3.32	3.35	3.36	178018.2	2983.079882			1
3.39	3.41	3.43	106723.1	1219.705561			2
3.43	3.45	3.47	905165.4	6309.805262			3
3.55	3.57	3.59	486512.2	2781.931691			4
+ 3.64	3.64	3.68	53626.54	410.776917			5
3.64	3.66	3.68	437955.3	3354.718162			5
3.77	3.79	3.81	2869170	12183.256814			6
Height Summation:			**5072732.6**				
Amount Avg CF:			**5054.506979**	Linear:			
Aroclor-1254					**6**	**31.76**	
4.06	4.08	4.10	2077320	10522.31584			1
4.12	4.14	4.16	6545024	19238.562003			2
4.21	4.23	4.25	3832465	22589.683494			3
4.34	4.36	4.38	4191359	31385.228765			4
4.43	4.45	4.47	2784480	24710.893523			5
4.56	4.58	4.60	6602336	26754.696071			6
Height Summation:			**26032984**				
Amount Avg CF:			**22533.563283**	Linear:			
Aroclor-1260					**6**	**60.47**	
4.34	4.36	4.38	4191359	14115.235569			1
4.44	4.45	4.48	2784480	12365.704254			2
4.56	4.58	4.60	6602336	22748.814103			3
4.78	4.80	4.82	988596.9	5107.026002			4
4.97	4.99	5.01	2527531	5699.591768			5
5.23	5.25	5.27	2049994	7002.09931			6
Height Summation:			**19144296.9**				
Amount Avg CF:			**11173.078501**	Linear:			
Aroclor-1262					**6**	**45.72**	
4.60	4.62	4.64	511110.4	1873.854184			1
4.78	4.80	4.82	988596.9	3565.690015			2
4.97	4.99	5.01	2527531	4616.787679			3
5.19	5.21	5.23	425357.6	1924.101472			4
5.23	5.25	5.27	2049994	5809.394384			5
5.62	5.64	5.65	606600.4	2746.891242			6
Height Summation:			**7109190.3**				
Amount Avg CF:			**3422.786496**	Linear:			
Aroclor-1268					**5**	**104.83**	
5.19	5.21	5.23	425357.6	707.984485			1
5.24	5.25	5.28	2049994	3372.208708			2
5.39	5.41	5.43	166385.8	306.707361			3
5.62	5.64	5.65	606600.4	2623.43496			5
5.82	5.84	5.86	136624.3	72.724211			6
Height Summation:			**3384962.1**				
Amount Avg CF:			**1416.611945**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229368** RI ACF DF100 95A01 Sample ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.12 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 06, 2017 06:44:24
Instrument : CP20--17342A
Result file : 20PCBS17278001.048.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 06, 2017 06:44:24
Instrument : CP20--17342B
Result file : 20PCBS17278001B.048.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5039.5257	978.2609		33.13	4	40	
Aroclor-1221			5039.5257	1511.8577		17.98	3	5	
Aroclor-1232			5039.5257	1215.415		27.29	4	40	
Aroclor-1242			5039.5257	1215.415		38.00	4	30	
Aroclor-1248			5039.5257	978.2609		2.30	4	40	
Aroclor-1254			5039.5257	1304.3478		6.22	4	40	
Aroclor-1260			5039.5257	1156.1265		3.89	4	40	
Aroclor-1262			5039.5257	978.2609		4.98	4	40	
Aroclor-1268			5039.5257	978.2609		20.43	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229368 RI ACF DF100AC95A01 T 172760009A 10225 SW-846 8082
Injected On: 10/6/2017 6:44:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.048.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.025		5035	7193
2.06		3149	8370
2.18		8786	7373
2.304		6369	4658
2.47		1280	1489
2.494		1520	2063
2.561		1150	1490
2.628		4579	3353
2.673		851	746
2.904	TCX	43217	34048
3.011		1231	790
3.056		5897	5558
3.109		1597	1148
3.155		7501	5989
3.205		2179	1373
3.223		4181	2418
3.247		3526	2630
3.369		12534	6933
3.386		20480	12610
3.424		1398	859
3.439		5286	3930
3.484		62007	44030
3.557		12197	8900
3.591		4500	2365
3.605		2812	1574
3.66		118329	156547
3.703		67871	62199
3.753		22056	15820
3.792		30801	22161
3.82		244517	173749
3.847		268441	184935
3.869		276377	184157
3.943		122192	84394
3.967		107323	71849
3.997		174281	133335
4.03		117140	106894
4.073		24055	21990
4.102		12008	7746
4.154		40863	29316
4.189		508321	346852
4.206		147324	74896
4.231		505119	421157
4.299		295322	239577
4.34		1029844	1070541
4.375		590422	490701
4.415		73909	53173
4.437		77204	53633
4.478		331614	290355
4.528		424938	382526
4.559		144621	84898
4.589		1917518	1643614
4.638		222314	259559
4.672		129335	86468
4.713		847670	813455

RT A	Compound A	Height A	Area A
4.759		164701	143637
4.799		1316893	1224899
4.831		16183	9271
4.859		231844	218815
4.91		1147261	1583042
4.961		64516	54526
4.997		778721	805096
5.044		116373	88299
5.068		29134	20545
5.08		65744	46540
5.116		1785878	1634064
5.138		74689	38301
5.157		59854	31341
5.182		211042	182105
5.224		174990	179229
5.322		400091	324123
5.344		270576	202740
5.376		4470	1925
5.401		158792	136773
5.438		139408	133926
5.479		13802	15789
5.521		305361	286643
5.556		55336	47510
5.582		746204	667304
5.618		10670	7922
5.669		3866	5474
5.744		3364	3965
5.787		528032	503660
5.817		54325	35515
5.842		47514	49819
5.954		32717	35385
6.007		3975	2707
6.03		15165	10965
6.057		128697	117701
6.124		14389	16381
6.158		2653	2218
6.186		14562	10769
6.214		148160	137665
6.261		8450	7973
6.299		7264	7384
6.415		31497	31740
6.534		4891	4730
6.564	DCB	31792	30522
6.601		11748	11169
6.723		1620	2274
6.836		4607	6807
7.073		752	1679
7.505		751	888
7.892		1747	3041
8.001		756	693
8.147		670	891
8.352		2017	3283
8.507		6566	13266

LANCASTER LABORATORIES

Sample Number: 9229368 RI ACF DF100AC95A01 T 172760009A 10225 SW-846 8082
Injected On: 10/6/2017 6:44:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.048.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.079		18330	19929
2.108		8300	8053
2.152		3855	5788
2.219		4757	7368
2.282		21828	18246
2.457		6037	16244
2.532	TCX	171593	106674
2.578		8004	7674
2.624		3632	4993
2.707		34542	34768
2.753		4385	6634
2.768		6483	4203
2.819		12015	5789
2.929		13702	10428
3.025		33188	16258
3.036		58262	28663
3.076		12931	7615
3.098		27687	17934
3.121		5959	2871
3.144		244357	165192
3.183		55656	35561
3.229		25960	13331
3.244		23786	20950
3.302		415399	315666
3.322		267207	146796
3.337		41098	14116
3.352		178018	95360
3.409		106723	82139
3.446		905165	582973
3.468		1075450	583537
3.485		1048007	587405
3.57		486512	291352
3.593		408199	232319
3.613		733406	485199
3.642		53627	25686
3.658		437955	287548
3.696		157577	122068
3.736		138614	117121
3.765		256303	137305
3.786		2869170	1891365
3.81		1309438	777799
3.829		704537	390758
3.849		1105929	695754
3.884		3745241	2643401
3.914		2089868	1286451
3.929		382168	173516
3.952		344821	208402
3.989		418375	311944
4.023		1241443	878192
4.044		43983	24689
4.078		2077320	1576281
4.11		860816	679825
4.137		6545025	5232925
4.174		704413	637394

RT B	Compound B	Height B	Area B
4.225		3832465	3252885
4.262		726649	561786
4.293		4165804	2977479
4.318		952330	689332
4.36		4191359	3686199
4.409		9589	8400
4.454		2784481	3192270
4.505		2538885	2118017
4.546		1254620	1120429
4.582		6602336	5826083
4.615		511110	507247
4.653		686484	521134
4.708		51039	29322
4.722		29762	16138
4.75		108789	67350
4.767		348897	234270
4.799		988597	704213
4.821		1690140	1260970
4.871		922988	792449
4.905		473095	381330
4.937		309314	243907
4.968		1214421	878112
4.991		2527531	2107147
5.033		66786	44626
5.062		109092	91305
5.128		23834	17327
5.163		6367	4731
5.184		11179	7558
5.207		425358	389451
5.248		2049994	2284086
5.354		4685	3586
5.407		166386	142488
5.437		12009	7307
5.454		92219	66566
5.5		335494	262557
5.525		276274	217429
5.566		17114	21284
5.608		85977	61420
5.636		606600	510531
5.667		36616	27539
5.713		11815	8984
5.836		136624	122958
5.918		4358	5359
5.974		11108	6798
5.995	DCB	141898	115038
6.032		60956	51791
6.081		2705	2644
6.125		5546	4704
6.189		3994	3018
6.229		3520	3129
6.321		3455	2794
6.364		5496	7388
6.48		19397	32465
6.67		2981	5639
6.894		3238	2954
6.991		2546	5578
7.285		1933	4254
7.385		6225	9907
7.732		2480	3332
7.825		9859	20123
8.004		10899	19339
8.193		11979	21129
8.322		1717	840
8.381		2146	1781
8.56		1983	2551

9229368 RI ACF DF100AC95A01 T 172760009A 10225 SW-846 8082

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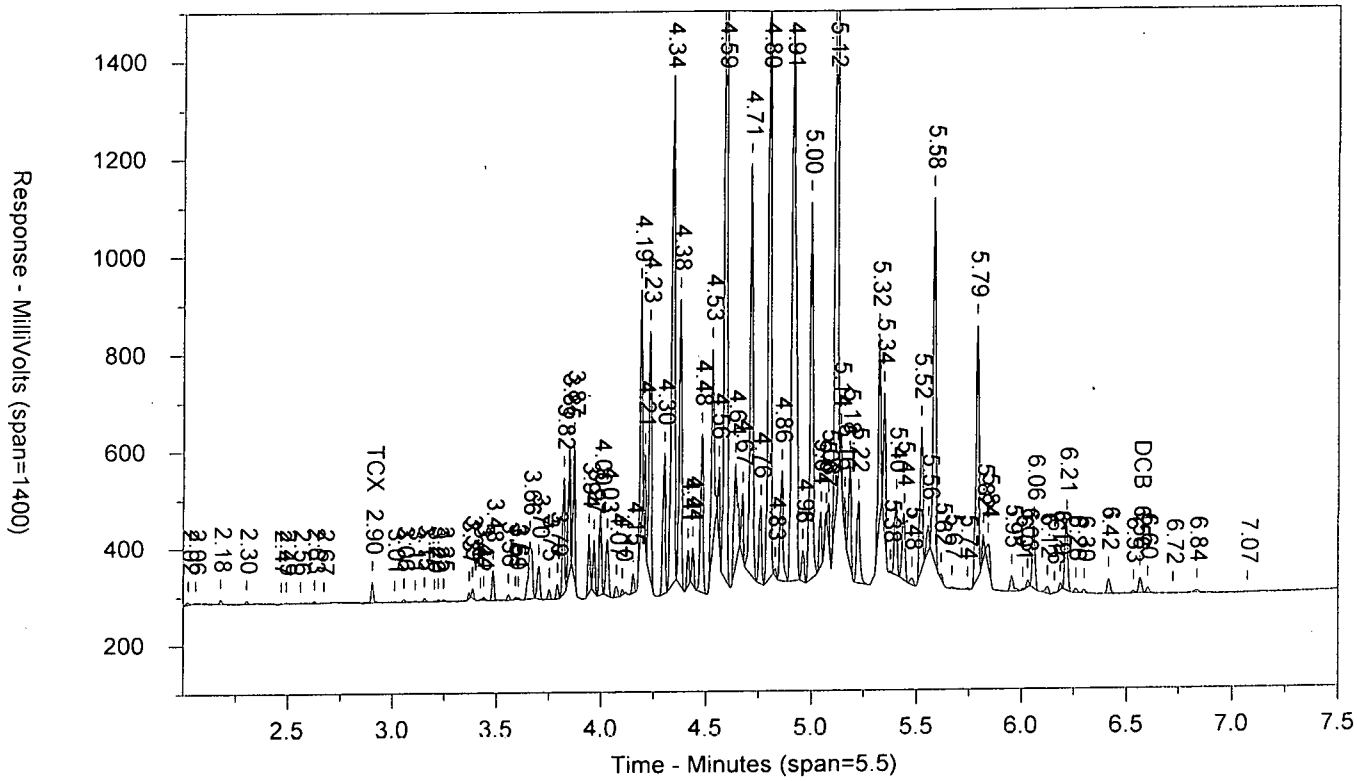

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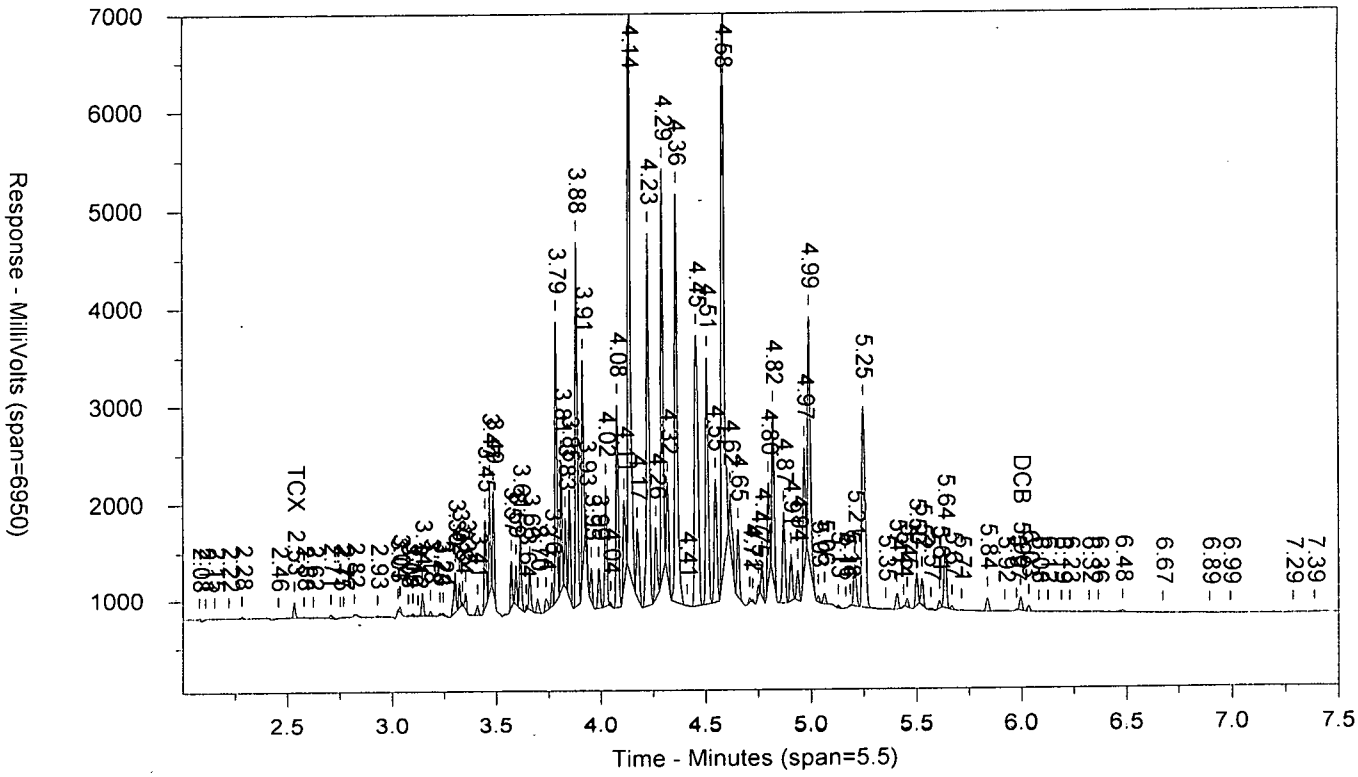

LANCASTER LABORATORIES

Sample Number: 9229368 RI ACF DF100AC95A01 T 172760009A 10225 SW-846 8082
Injected On: 10/6/2017 6:44:24 AM Sample Weight: 10.12
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	43217	21.781	TCX	2.532	171593	28.721	TCX
6.564	31792	23.286	DCB	5.995	141898	27.433	DCB

Files:
Area File: 20PCBS17278001.048.RAW
Area File: 20PCBS17278001B.048.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 6:53:08 AM
File Reported On: 10/6/2017 at 6:53:16 AM

9229368 RI ACF DF100AC95A01 T 172760009A 10225 SW-846 8082

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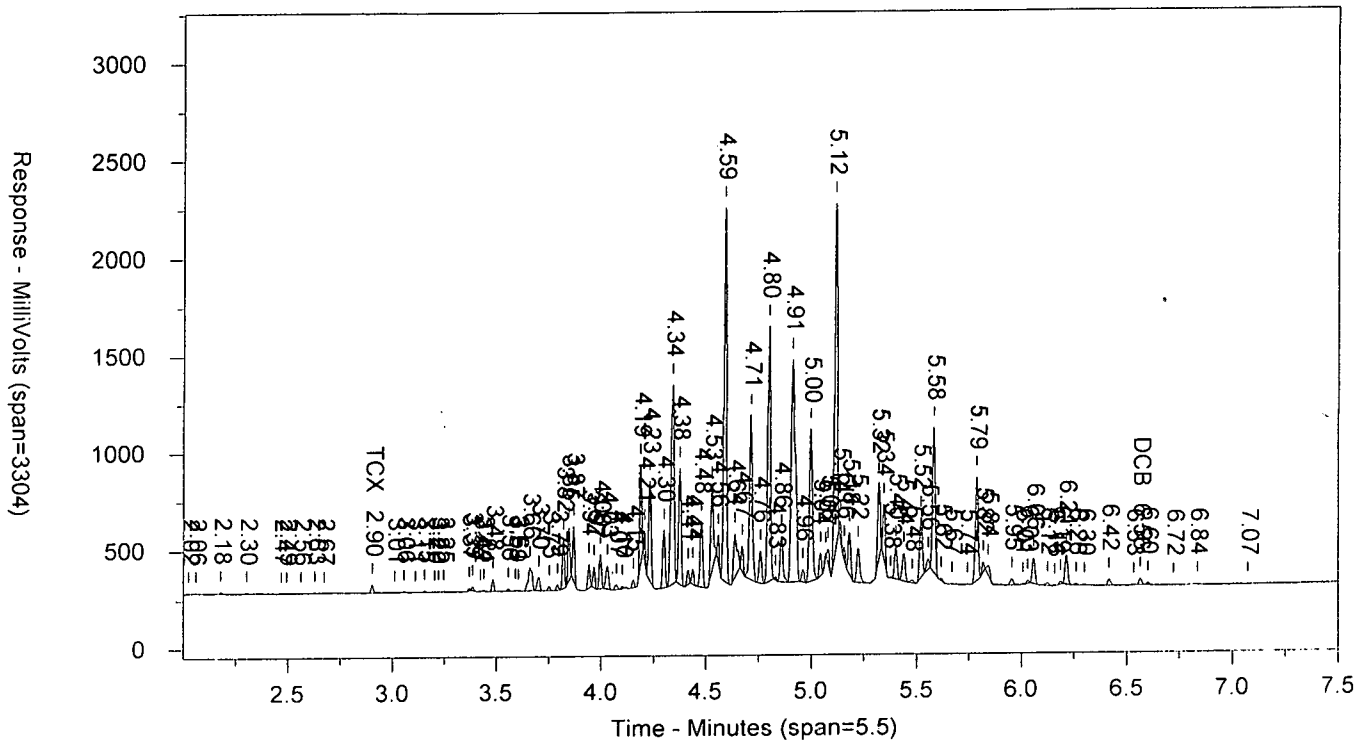

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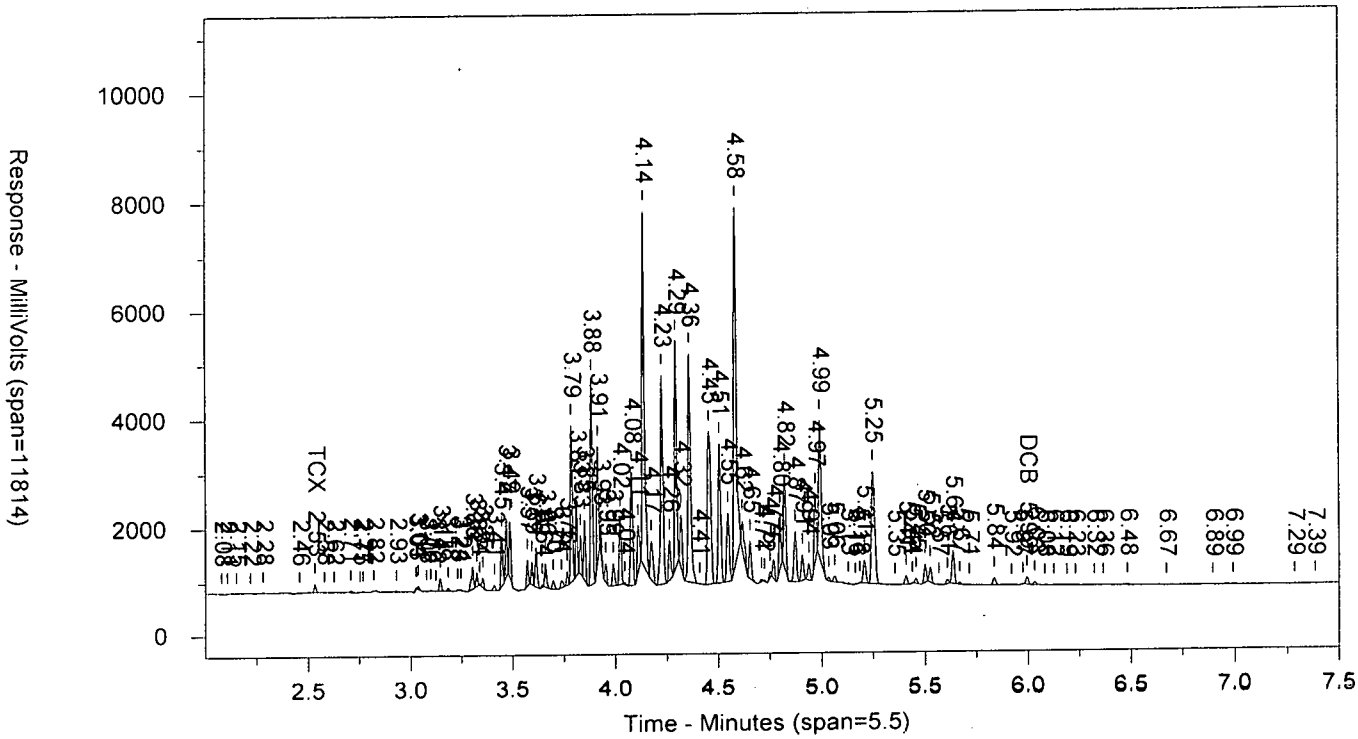

9229368 RI ACF DF100AC95A01 T 172760009A 10225 SW-846 8082

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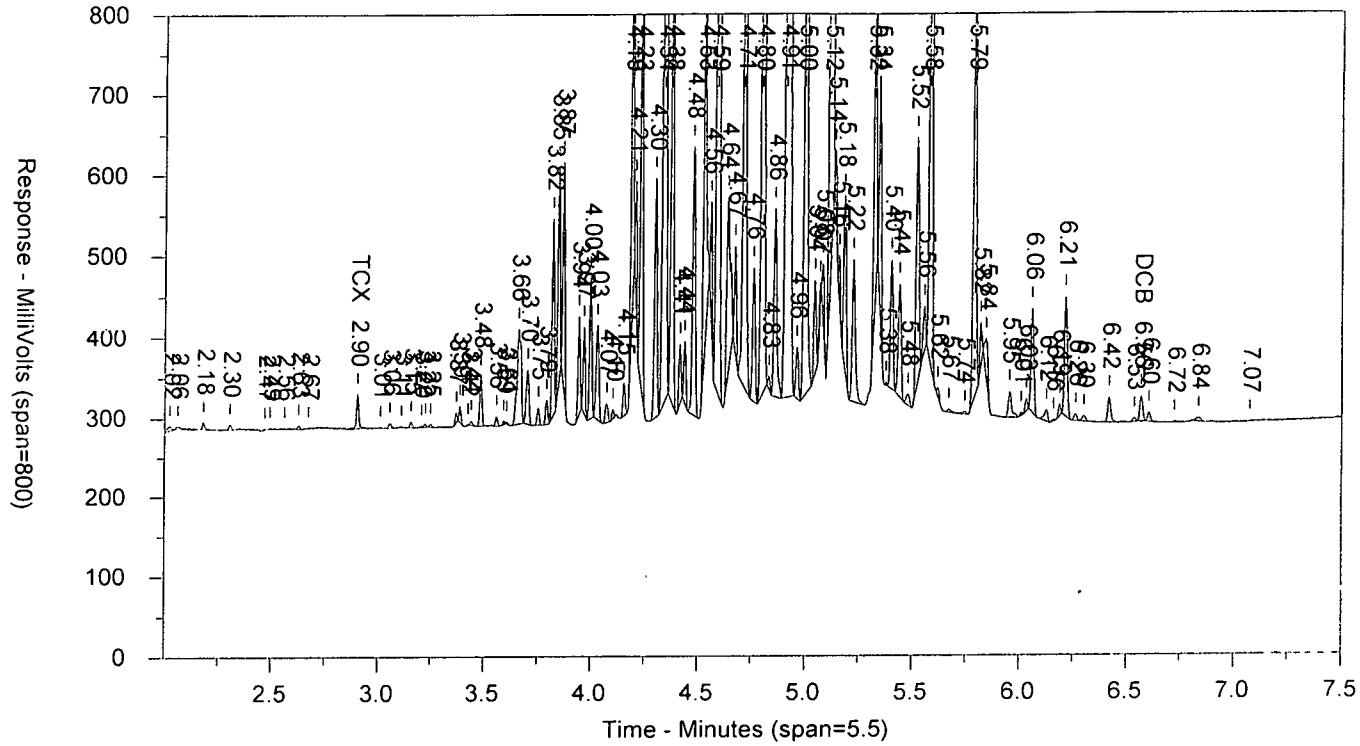

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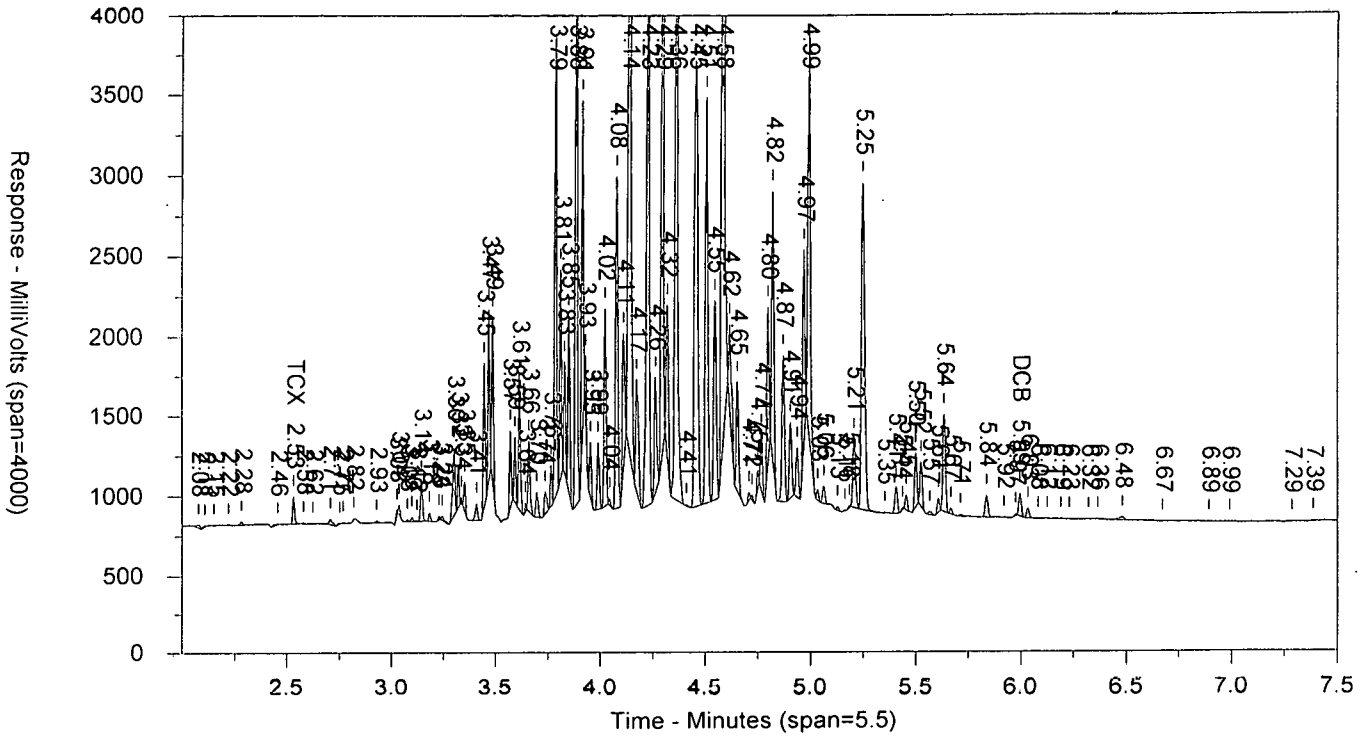

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229369 ACF DF500 95A02 Sample ID: AD **Batchnumber:** 172760009A
Sample Amount: 10.14 g Total Volume: 5000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 11:39:02
Instrument	17342A
Result file	20PCBS17275004.067.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 94% (61 - 152) Conc: 28.2198
%SSR(DCB) 100% (48 - 164) Conc: 26.68378

Analysis Report (B)

Injected on	Oct 05, 2017 11:39:02
Instrument	17342B
Result file	20PCBS17275004B.067.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 29.11701
%SSR(DCB) 115% (48 - 164) Conc: 30.85417

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	10922	28.2198	Tetrachloro-m-xylene	2.50	2.53	2.56	39716	29.11701
Decachlorobiphenyl	6.55	6.57	6.61	6934	26.68378	Decachlorobiphenyl	5.97	6.00	6.03	29446	30.85417

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	29.11701				3.13	
☑	Tetrachloro-m-xylene-D1	A	28.2198					
☑	Tetrachloro-m-xylene-D2	B	29.11701					
☐	Decachlorobiphenyl	B	30.85417				14.50	
☑	Decachlorobiphenyl-D1	A	26.68378					
☑	Decachlorobiphenyl-D2	B	30.85417					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**29.25**	
4.52	4.53	4.56	354888.6	44955.249558			1
4.58	4.59	4.62	1508149	94926.354647			2
4.70	4.71	4.74	587300.5	113338.494135			3
4.79	4.80	4.83	1062652	120489.792545			4
4.98	5.00	5.02	536222.4	85314.877324			5
5.10	5.12	5.14	1235962	112053.751932			6

Height summation: **5285174.5**
Concentration CF: **95179.753357** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						32.89	
4.06	4.08	4.10	1707144	51935.875208			1
4.12	4.14	4.16	5317866	101336.480763			2
4.21	4.23	4.25	2819007	100053.344396			3
4.34	4.36	4.38	2947437	155979.896628			4
4.44	4.46	4.47	1885946	102128.472187			5
4.57	4.59	4.61	4234726	133880.99537			6

Height summation: **18912126**
Concentration CF: **107552.510759** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<25147.9286	<4881.6567	D1		4	
☑	PCB-1221			<25147.9286	<7544.3786	D1		3	
☑	PCB-1232			<25147.9286	<6065.0887	D1		4	
☑	PCB-1242			<25147.9286	<6065.0887	D1		4	
☑	PCB-1248			<25147.9286	<4881.6567	D1		4	
☑	PCB-1254	B	107552.510759	25147.9286	6508.8756	D2	12.21	4	
☑	PCB-1260			<25147.9286	<5769.2307	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:24

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229369** ACF DF500 95A02 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.14 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 11:39:02
Instrument : CP20--17342A
Result file : 20PCBS17275004.067.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 94% (61-152) Conc.: 28.2198
%SSR(DCB) : 100% (48-164) Conc.: 26.68378

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**105.78**	
3.14	3.16	3.18	8735.491	1437.830533			1
+ 3.36	3.37	3.40	8458.943	1301.002683			2
3.36	3.39	3.40	14054.66	2161.635368			2
3.47	3.48	3.51	37615.84	4947.106775			3
3.68	3.70	3.72	57256.05	6490.81507			4
3.74	3.75	3.78	20298.12	2709.164132			5
+ 3.93	3.94	3.97	103517.5	17560.113548			6
3.93	3.97	3.97	109157.1	18516.782868			6
Height Summation:			**247117.261**				
Amount Avg CF:			**6043.889124**	Linear:			
Aroclor-1221					**3**	**57.59**	
3.04	3.06	3.08	8561.553	2928.312919			1
3.09	3.11	3.13	3386.26	1301.76052			2
3.14	3.16	3.18	8735.491	1061.136838			3
Height Summation:			**20683.304**				
Amount Avg CF:			**1763.736759**	Linear:			
Aroclor-1232					**6**	**97.58**	
3.14	3.16	3.18	8735.491	1231.070997			1
+ 3.36	3.37	3.40	8458.943	2985.356943			2
3.36	3.39	3.40	14054.66	4960.215102			2
3.47	3.48	3.51	37615.84	11045.931559			3
3.68	3.70	3.72	57256.05	14095.934896			4
3.74	3.75	3.78	20298.12	6244.766491			5
+ 3.93	3.94	3.97	103517.5	31847.413221			6
3.93	3.97	3.97	109157.1	33582.450018			6
Height Summation:			**247117.261**				
Amount Avg CF:			**11860.06151**	Linear:			
Aroclor-1242					**6**	**105.56**	
3.14	3.16	3.18	8735.491	1025.742455			1
+ 3.35	3.37	3.39	8458.943	945.268234			2
3.35	3.39	3.39	14054.66	1570.577274			2
3.47	3.48	3.51	37615.84	3547.014742			3
3.68	3.70	3.72	57256.05	4610.353299			4
3.74	3.75	3.78	20298.12	1883.694412			5
+ 3.93	3.94	3.97	103517.5	12462.904777			6
3.93	3.97	3.97	109157.1	13141.879808			6
Height Summation:			**247117.261**				
Amount Avg CF:			**4296.543665**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 11:39:02
Instrument : CP20--17342B
Result file : 20PCBS17275004B.067.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 97% (61-152) Conc.: 29.11701
%SSR(DCB) : 115% (48-164) Conc.: 30.85417

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	123.88	
2.80	2.82	2.84	36038.53	1518.760738			1
3.13	3.15	3.17	145009	4801.258578			2
3.32	3.32	3.36	237464.5	8919.140806			3
+ 3.32	3.34	3.36	55008.02	2066.095251			3
+ 3.32	3.35	3.36	96137.72	3610.922312			3
3.39	3.41	3.43	96643.18	3211.06743			4
3.45	3.47	3.49	1007722	44157.673455			5
+ 3.45	3.49	3.49	962393.7	42171.419042			5
3.55	3.57	3.59	403040.8	15089.925738			6
Height Summation:			**1925918.01**				
Amount Avg CF:			**12949.637791**	Linear:			
Aroclor-1221					3	37.68	
+ 2.69	2.69	2.73	3010.615	220.5076			1
2.69	2.71	2.73	36163.77	2648.756522			1
2.75	2.77	2.79	17323.81	2047.54694			2
2.80	2.82	2.84	36038.53	1180.451837			3
Height Summation:			**89526.11**				
Amount Avg CF:			**1958.918433**	Linear:			
Aroclor-1232					6	131.78	
2.80	2.82	2.84	36038.53	1368.026361			1
3.13	3.15	3.17	145009	10175.474032			2
3.32	3.32	3.36	237464.5	18965.329861			3
+ 3.32	3.34	3.36	55008.02	4393.268233			3
+ 3.32	3.35	3.36	96137.72	7678.131139			3
3.39	3.41	3.43	96643.18	7223.870799			4
E 3.45	3.47	3.49	1007722	108366.185733			5
E+ 3.45	3.49	3.49	962393.7	103491.770987			5
3.55	3.57	3.59	403040.8	36410.581777			6
Height Summation:			**1925918.01**				
Amount Avg CF:			**30418.244761**	Linear:			
Aroclor-1242					6	123.94	
2.80	2.82	2.84	36038.53	1153.271894			1
3.13	3.15	3.17	145009	3749.284678			2
3.32	3.32	3.36	237464.5	6692.421489			3
+ 3.32	3.34	3.36	55008.02	1550.281643			3
+ 3.32	3.35	3.36	96137.72	2709.43296			3
3.39	3.41	3.43	96643.18	2439.041927			4
3.45	3.47	3.49	1007722	33759.978045			5
+ 3.45	3.49	3.49	962393.7	32241.421923			5
3.55	3.57	3.59	403040.8	11593.822969			6
Height Summation:			**1925918.01**				
Amount Avg CF:			**9897.970167**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229369** ACF DF500 95A02 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.14 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 11:39:02
Instrument : CP20--17342A
Result file : 20PCBS17275004.067.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**101.41**	
3.68	3.70	3.72	57256.05	14547.118451			1
3.74	3.75	3.78	20298.12	4575.855414			2
+ 3.81	3.82	3.85	218112.9	28075.261914			3
3.81	3.85	3.85	244539.2	31476.827313			3
+ 3.93	3.94	3.97	103517.5	11779.015451			4
3.93	3.97	3.97	109157.1	12420.732412			4
4.02	4.03	4.06	136853.3	19874.165066			5
+ 4.20	4.21	4.24	119403.8	18105.387002			6
4.20	4.23	4.24	531989.9	80666.469747			6
Height Summation:			**1100093.67**				
Amount Avg CF:			**27260.194734**	Linear:			
Aroclor-1254					**6**	**29.25**	
4.52	4.53	4.56	354888.6	44955.249558			1
4.58	4.59	4.62	1508149	94926.354647			2
4.70	4.71	4.74	587300.5	113338.494135			3
4.79	4.80	4.83	1062652	120489.792545			4
4.98	5.00	5.02	536222.4	85314.877324			5
5.10	5.12	5.14	1235962	112053.751932			6
+ 5.10	5.14	5.14	53686.35	4867.26691			6
Height Summation:			**5285174.5**				
Amount Avg CF:			**95179.753357**	Linear:			
Aroclor-1260					**6**	**61.40**	
4.70	4.71	4.74	587300.5	46998.713435			1
4.90	4.91	4.94	820872.3	59309.898895			2
5.11	5.12	5.15	1235962	73937.498819			3
+ 5.11	5.14	5.15	53686.35	3211.615276			3
5.33	5.35	5.37	154888.1	17275.23394			4
5.57	5.58	5.61	385438.8	18337.058548			5
5.78	5.79	5.82	282073.8	20701.38175			6
Height Summation:			**3466535.5**				
Amount Avg CF:			**39426.630898**	Linear:			
Aroclor-1262					**5**	**34.44**	
5.17	5.18	5.21	119456.9	7920.644377			1
5.33	5.35	5.37	154888.1	12291.169079			2
5.57	5.58	5.61	385438.8	14559.4032			3
5.78	5.79	5.82	282073.8	15344.601771			4
6.20	6.22	6.24	67461.59	6635.482964			6
Height Summation:			**1009319.19**				
Amount Avg CF:			**11350.260278**	Linear:			
Aroclor-1268					**4**	**71.81**	
5.77	5.79	5.81	282073.8	8378.668273			1
+ 6.03	6.03	6.07	8615.689	1302.762657			4
6.03	6.06	6.07	74473.63	11261.022083			4
6.20	6.22	6.24	67461.59	6439.370622			5
6.40	6.42	6.44	13957.06	149.42755			6
Height Summation:			**437966.08**				
Amount Avg CF:			**6557.122132**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 11:39:02
Instrument : CP20--17342B
Result file : 20PCBS17275004B.067.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	99.22	
3.32	3.32	3.36	237464.5	20697.229367			1
+ 3.32	3.34	3.36	55008.02	4794.458148			1
+ 3.32	3.35	3.36	96137.72	8379.292238			1
3.39	3.41	3.43	96643.18	5294.537201			2
3.43	3.45	3.47	845027	27220.713681			3
3.55	3.57	3.59	403040.8	10936.97349			4
+ 3.64	3.64	3.68	56157.47	2203.708489			5
3.64	3.66	3.68	470610.3	18467.497081			5
3.77	3.79	3.81	3033359	79427.469075			6
Height Summation:			**5086144.78**				
Amount Avg CF:			**27007.403316**	Linear:			
Aroclor-1254					6	32.89	
4.06	4.08	4.10	1707144	51935.875208			1
4.12	4.14	4.16	5317866	101336.480763			2
4.21	4.23	4.25	2819007	100053.344396			3
4.34	4.36	4.38	2947437	155979.896628			4
4.44	4.46	4.47	1885946	102128.472187			5
4.57	4.59	4.61	4234726	133880.99537			6
Height Summation:			**18912126**				
Amount Avg CF:			**107552.510759**	Linear:			
Aroclor-1260					6	64.20	
4.34	4.36	4.38	2947437	60389.271774			1
4.44	4.46	4.48	1885946	46730.201403			2
4.57	4.59	4.61	4234726	105793.103508			3
+ 4.78	4.80	4.82	536099.6	14918.248984			4
4.78	4.82	4.82	1169907	32555.450356			4
4.98	4.99	5.01	1373348	21310.151279			5
5.24	5.25	5.28	1150103	26252.625027			6
Height Summation:			**12761467**				
Amount Avg CF:			**48838.467225**	Linear:			
Aroclor-1262					6	56.09	
4.60	4.62	4.64	230641.3	4675.547358			1
4.78	4.80	4.82	536099.6	10301.566366			2
4.98	4.99	5.01	1373348	17392.16245			3
5.19	5.21	5.23	209048.7	5589.130481			4
5.24	5.25	5.28	1150103	19869.440668			5
5.62	5.64	5.66	286865.5	8807.116095			6
Height Summation:			**3786106.1**				
Amount Avg CF:			**11105.827236**	Linear:			
Aroclor-1268					5	107.71	
5.19	5.21	5.23	209048.7	2084.839414			1
5.24	5.25	5.28	1150103	12237.370007			2
5.39	5.41	5.43	116945.9	1221.441855			3
5.62	5.64	5.66	286865.5	9088.290633			5
5.82	5.84	5.86	66268.2	224.017021			6
Height Summation:			**1829231.3**				
Amount Avg CF:			**4971.191786**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229369** ACF DF500 95A02 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.14 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 11:39:02
Instrument : CP20--17342A
Result file : 20PCBS17275004.067.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 11:39:02
Instrument : CP20--17342B
Result file : 20PCBS17275004B.067.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			25147.9286	4881.6567		** 72.72	4	40	
Aroclor-1221			25147.9286	7544.3786		10.49	3	5	
Aroclor-1232			25147.9286	6065.0887		** 87.79	4	40	
Aroclor-1242			25147.9286	6065.0887		** 78.92	4	30	
Aroclor-1248			25147.9286	4881.6567		0.93	4	40	
Aroclor-1254			25147.9286	6508.8756		12.21	4	40	
Aroclor-1260			25147.9286	5769.2307		21.33	4	40	
Aroclor-1262			25147.9286	4881.6567		2.18	4	40	
Aroclor-1268			25147.9286	4881.6567		27.51	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229369 ACF DF500 AD95A02 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 11:39:02 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.067.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.025		3067	3907
2.063		3018	4379
2.182		3521	4799
2.304		8424	6372
2.494		1188	4101
2.592		820	798
2.626		2040	1356
2.87		1455	1313
2.904	TCX	10922	8599
3.056		8562	8146
3.11		3386	2970
3.156		8735	8216
3.203		2237	1844
3.224		2404	1358
3.25		3387	3779
3.284		1473	1023
3.343		2186	1812
3.37		8459	4548
3.388		14055	9368
3.424		1829	1050
3.439		5477	4082
3.485		37616	25939
3.534		1269	493
3.559		14318	10017
3.592		2363	1157
3.609		4660	2494
3.67		81116	107535
3.701		57256	54987
3.754		20298	16232
3.794		25681	18149
3.822		218113	156093
3.848		244539	168602
3.871		242643	159765
3.944		103518	71119
3.968		109157	77171
3.999		174481	128877
4.032		136853	115533
4.074		27371	24684
4.106		6159	3792
4.12		4101	2367
4.156		36004	26106
4.19		578349	414117
4.208		119404	61494
4.232		531990	435753
4.301		236012	188806
4.343		933418	1015411
4.378		559273	460595
4.417		59708	41655
4.439		75238	52427
4.481		315438	273216
4.53		354889	310302
4.561		98453	61516
4.591		1508149	1268095
4.64		109958	81214

RT A	Compound A	Height A	Area A
4.655		23639	10286
4.674		95759	63364
4.714		587301	565069
4.761		128093	113793
4.802		1062652	967248
4.833		12294	7462
4.861		153670	152584
4.911		820872	1085684
4.962		36839	30745
4.999		536222	544316
5.045		79939	62235
5.07		22549	13654
5.083		50741	33135
5.118		1235962	1057004
5.14		53686	26629
5.158		41275	23868
5.183		119457	92158
5.225		90337	94483
5.323		274994	224192
5.347		154888	119124
5.382		25460	20280
5.401		53477	37085
5.441		88419	84682
5.479		8909	8853
5.522		214573	195576
5.557		45860	39387
5.583		385439	340232
5.621		8392	6611
5.788		282074	271395
5.819		32210	22954
5.954		21030	20299
6.008		2931	2125
6.032		8616	5977
6.059		74474	70848
6.125		9813	9445
6.188		10988	8781
6.215		67462	61869
6.258		3820	3906
6.299		2708	2848
6.417		13957	16103
6.533		3654	3580
6.568	DCB	6934	6743
6.602		7795	8791
6.727		26331	64686
6.839		14328	27045
7.075		770	610
7.16		1425	3419
7.387		569	466
7.503		1203	1708
7.72		794	2518
7.897		3365	11148
8.007		851	1631
8.227		1147	1354
8.36		4827	15131
8.511		8469	16891

LANCASTER LABORATORIES

Sample Number: 9229369 ACF DF500 AD95A02 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 11:39:02 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.067.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.017		2199	2031
2.078		15759	14707
2.113		8523	12711
2.155		2702	1600
2.224		5021	4492
2.282		8998	5433
2.335		5206	7049
2.401		13433	26848
2.464		14167	41334
2.533	TCX	39716	33641
2.58		11363	13960
2.633		6301	9613
2.687		3011	3151
2.709		36164	33561
2.769		17324	38584
2.82		36039	35945
2.871		3034	5564
2.932		10082	12373
3.027		19531	10287
3.037		44075	24762
3.076		12359	6858
3.098		32799	22388
3.123		2568	584
3.145		145009	100350
3.184		67510	43333
3.231		15728	8040
3.246		26890	24871
3.304		271554	185902
3.323		237465	124473
3.338		55008	23061
3.353		96138	49413
3.377		4011	2875
3.411		96643	70178
3.447		845027	527169
3.47		1007722	552953
3.487		962394	526106
3.572		403041	248048
3.594		440538	244979
3.615		692340	462014
3.644		56157	26972
3.66		470610	305893
3.699		163082	134221
3.739		130457	104727
3.767		297131	167610
3.788		3033359	1976628
3.812		1454571	855967
3.831		659573	360469
3.851		910273	566260
3.886		3363924	2378525
3.916		1961026	1195904
3.931		537887	240879
3.954		280097	164753
3.992		399746	298708
4.025		1194016	842163

RT B	Compound B	Height B	Area B
4.045		32869	14110
4.08		1707144	1298817
4.113		630314	508879
4.139		5317867	4078651
4.176		500980	446453
4.228		2819007	2379377
4.264		595718	444808
4.296		3417488	2414909
4.32		691521	478310
4.362		2947437	2580928
4.424		13743	14489
4.456		1885946	2154288
4.508		1861670	1538924
4.548		878768	742183
4.585		4234727	3908913
4.617		230641	272342
4.654		372728	294641
4.71		51687	62903
4.751		63269	36081
4.769		245454	172209
4.801		536100	372141
4.823		1169907	870378
4.874		533155	437368
4.908		297773	241328
4.939		182821	141270
4.97		902749	683891
4.993		1373349	1142914
5.036		42080	29851
5.065		31120	23103
5.1		119118	170393
5.187		5516	3958
5.209		209049	203181
5.251		1150103	1326088
5.355		4713	3643
5.372		5158	3521
5.408		116946	98611
5.439		8107	5264
5.457		55922	39627
5.501		252829	198966
5.527		142031	112945
5.574		11684	13213
5.61		64936	48773
5.637		286866	239624
5.669		20534	20327
5.722		4928	5838
5.837		66268	60457
5.931		3605	4030
5.975		10813	7336
5.996	DCB	29446	23161
6.035		46218	40757
6.091		4141	4284
6.128		6525	5922
6.165		3085	2685
6.219		3099	2210
6.278		2571	2137
6.322		6472	6847
6.367		5678	12345
6.483		50999	84649
6.675		3589	2873
6.74		1967	3382
6.788		3119	5844
7.154		1421	1343
7.391		6370	5890
7.43		2337	1107
7.583		3170	4596
7.631		1657	3045

RT B	Compound B	Height B	Area B
7.744		2946	9166
7.829		24384	51853
7.938		1942	5669
8.012		13460	28087
8.079		1891	1769
8.127		2771	2849
8.221		2291	5746
8.28		2561	1472
8.345		5361	11644
8.539		2469	4053
8.677		9357	22465

9229369 ACF DF500 AD95A02 T 172760009A 10225 SW-846 8082

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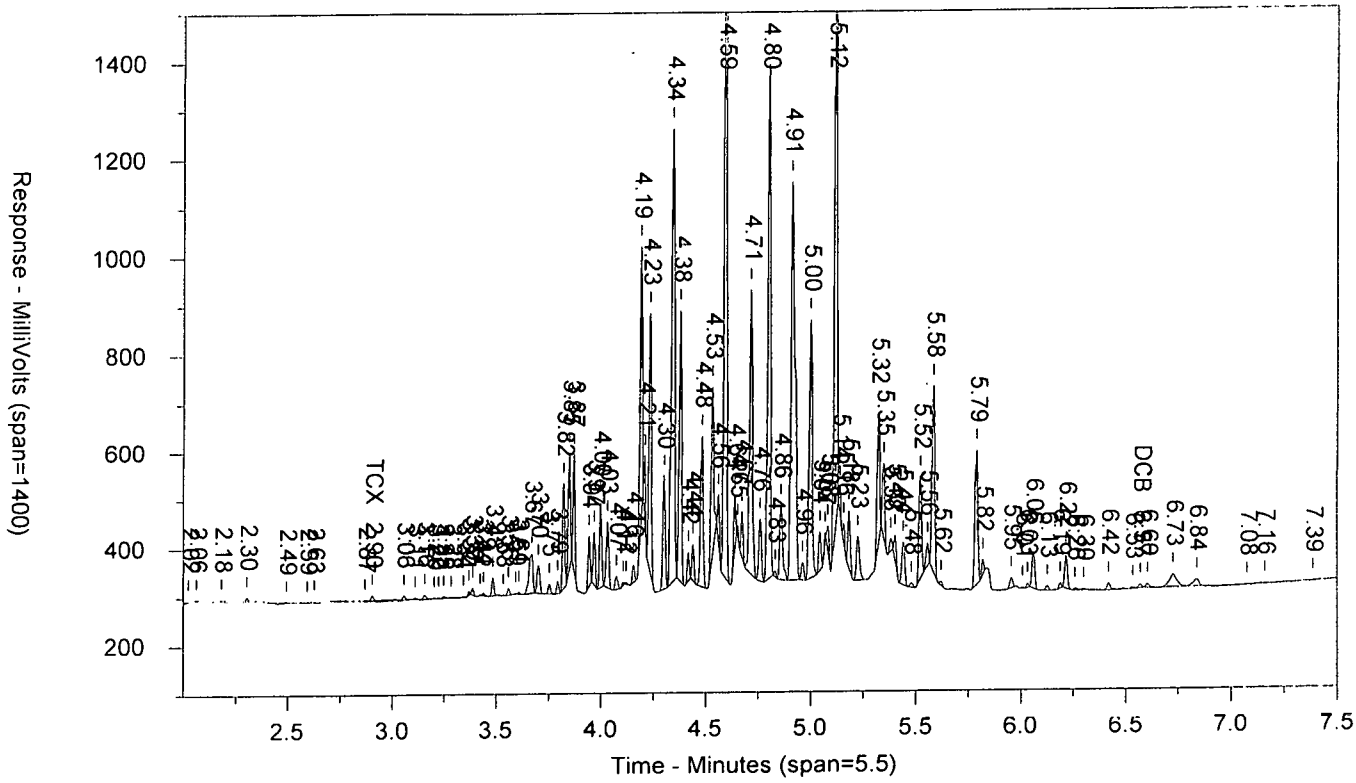

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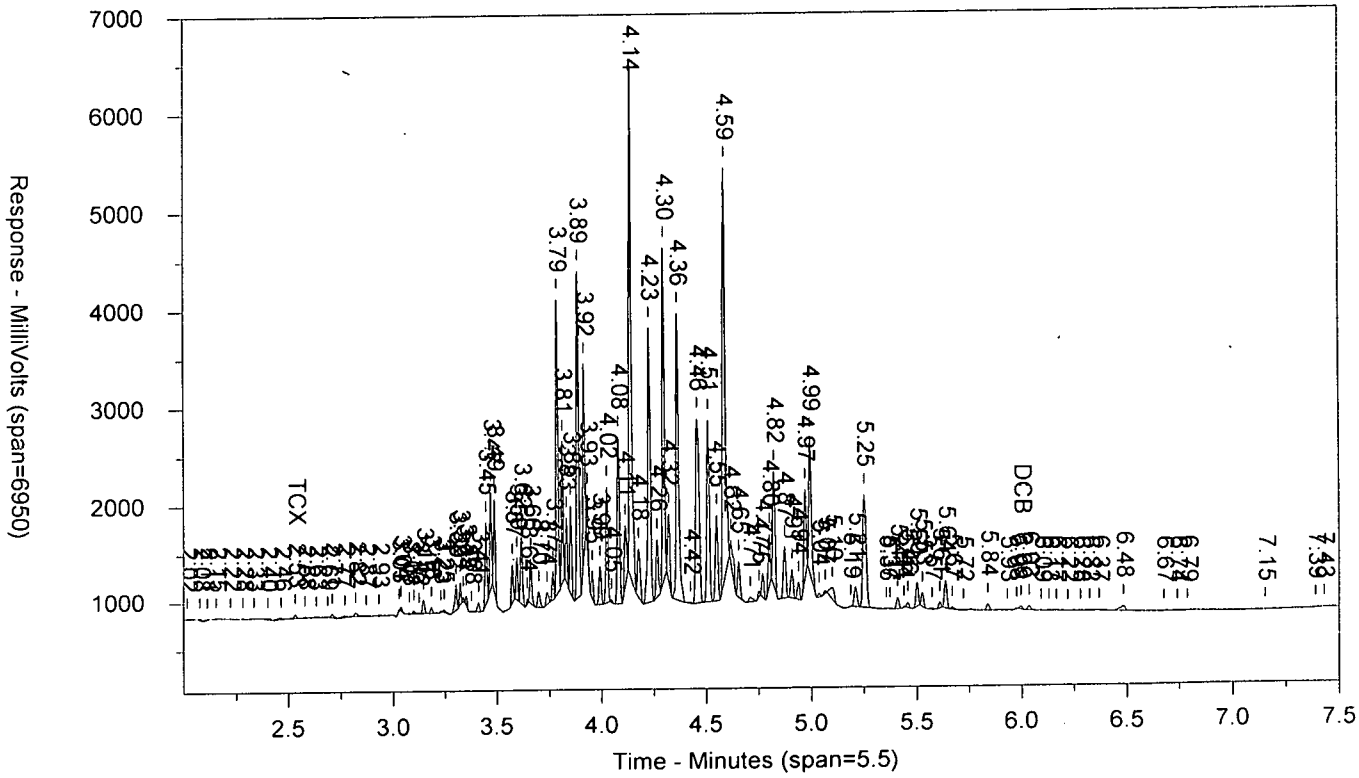


LANCASTER LABORATORIES

Sample Number: 9229369 ACF DF500 AD95A02 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 11:39:02 AM Sample Weight: 10.14
Instrument ID: CP20-17342 Dilution Factor: 5000
Oven Parameters: 110c to 250·@ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

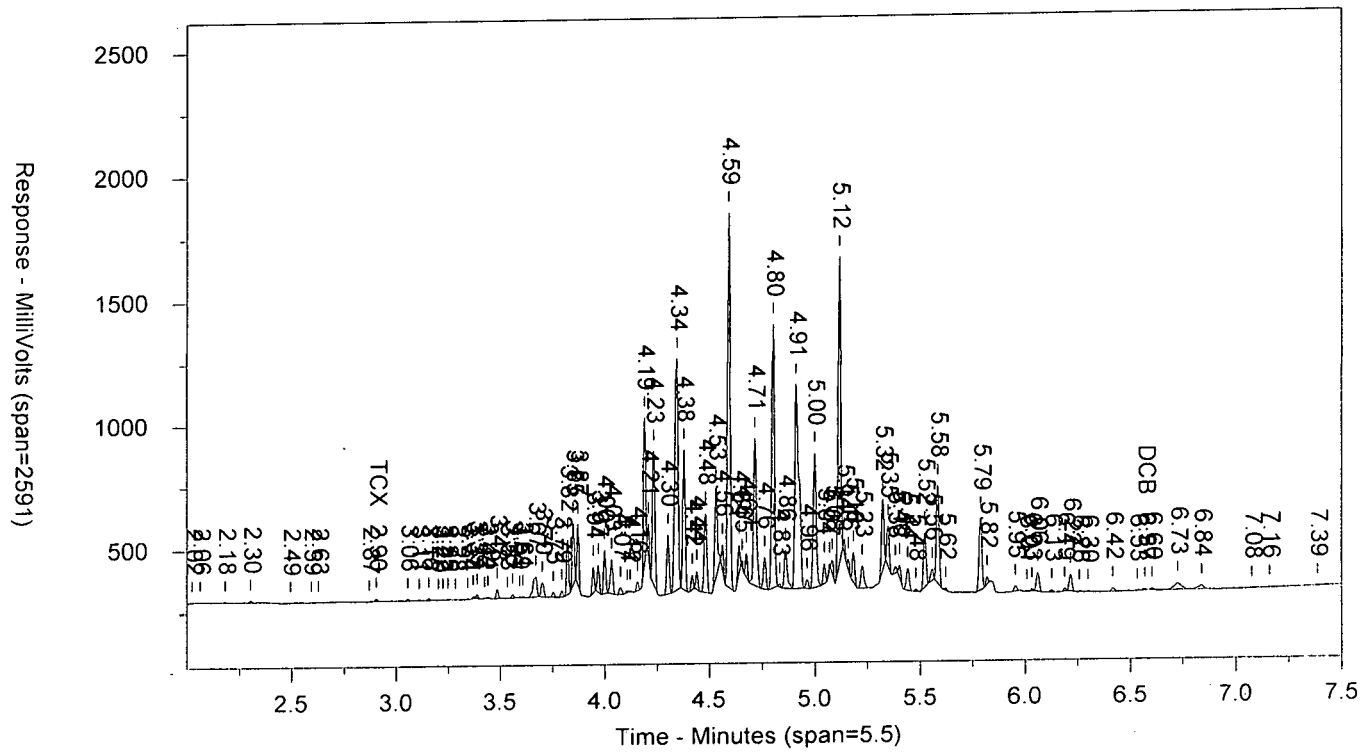
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	10922	28.22	TCX	2.533	39716	29.117	TCX
6.568	6934	26.684	DCB	5.996	29446	30.854	DCB

Files:
Area File: 20PCBs17275004.067.RAW
Area File: 20PCBs17275004B.067.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 11:47:47 AM
File Reported On: 10/5/2017 at 11:48:00 AM

9229369 ACF DF500 AD95A02 T 172760009A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275004.067.RAW



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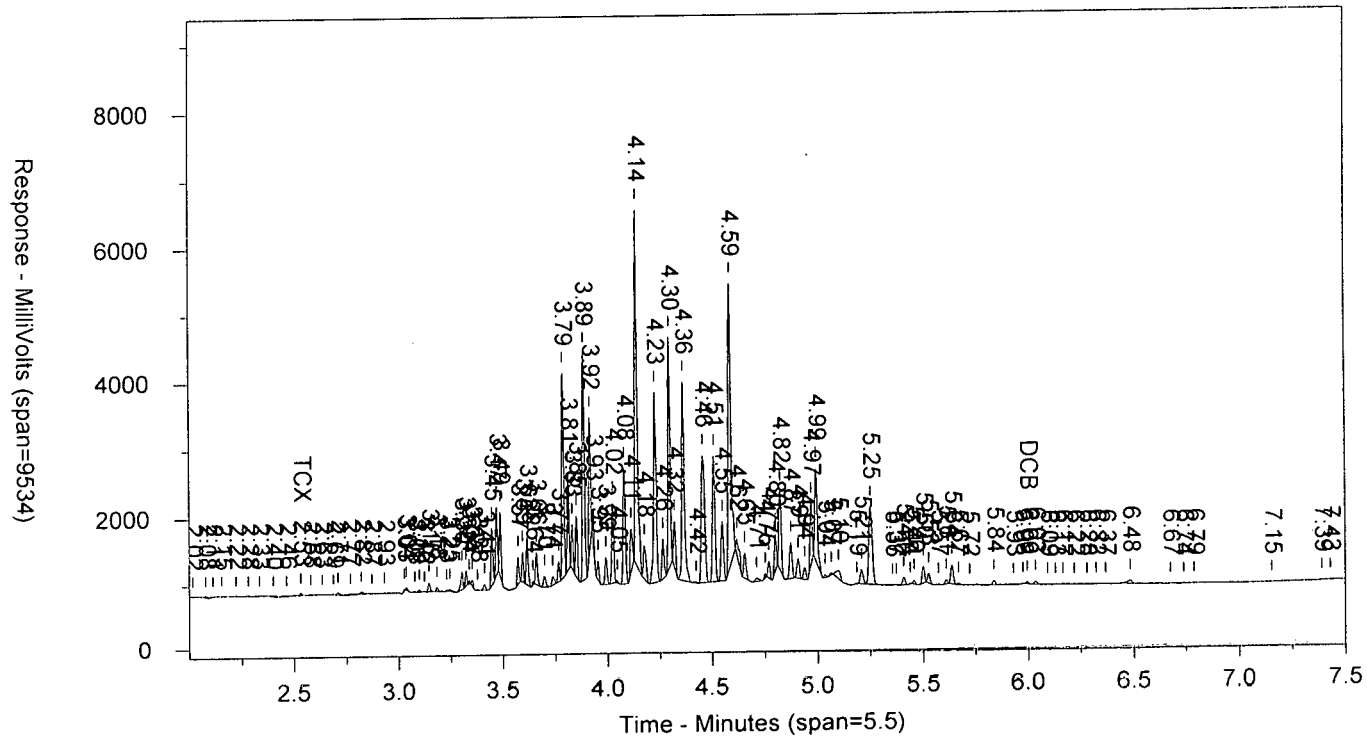

9229369 ACF DF500 AD95A02 T 172760009A 10225 SW-846 8082

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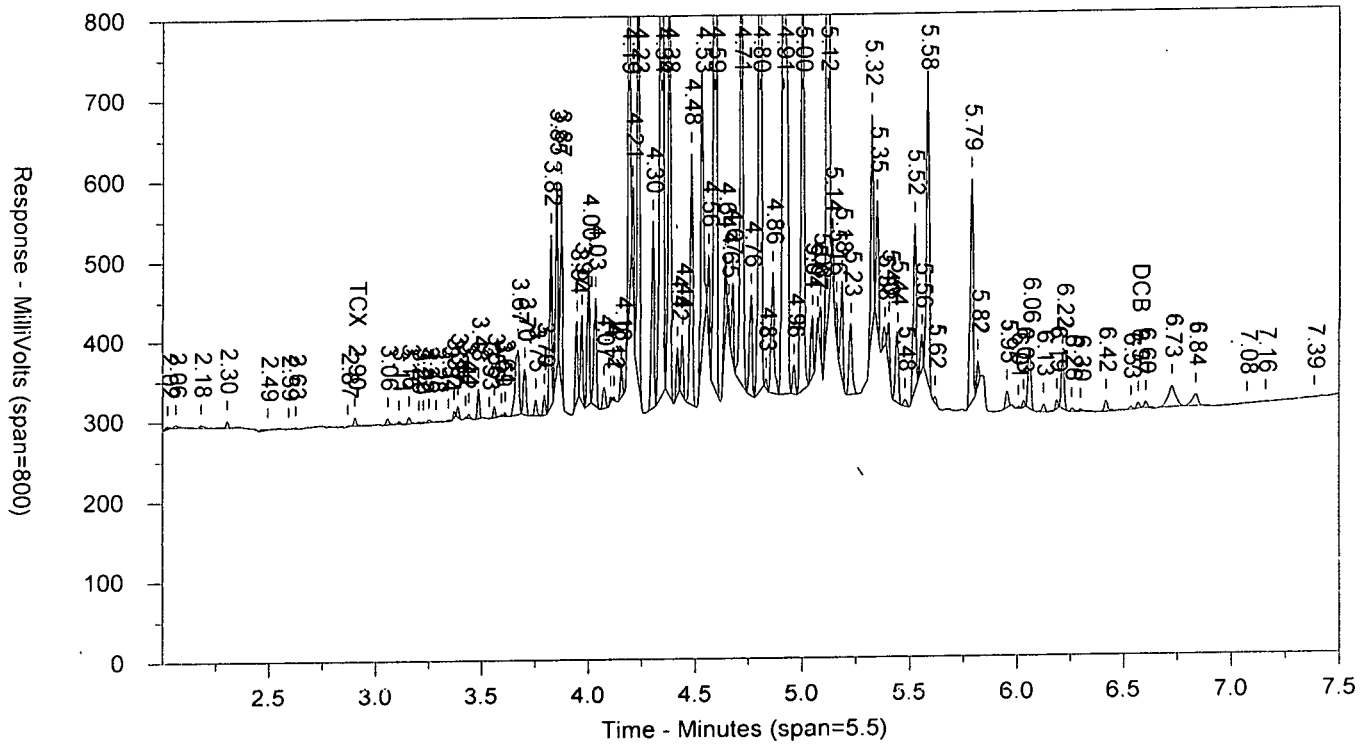

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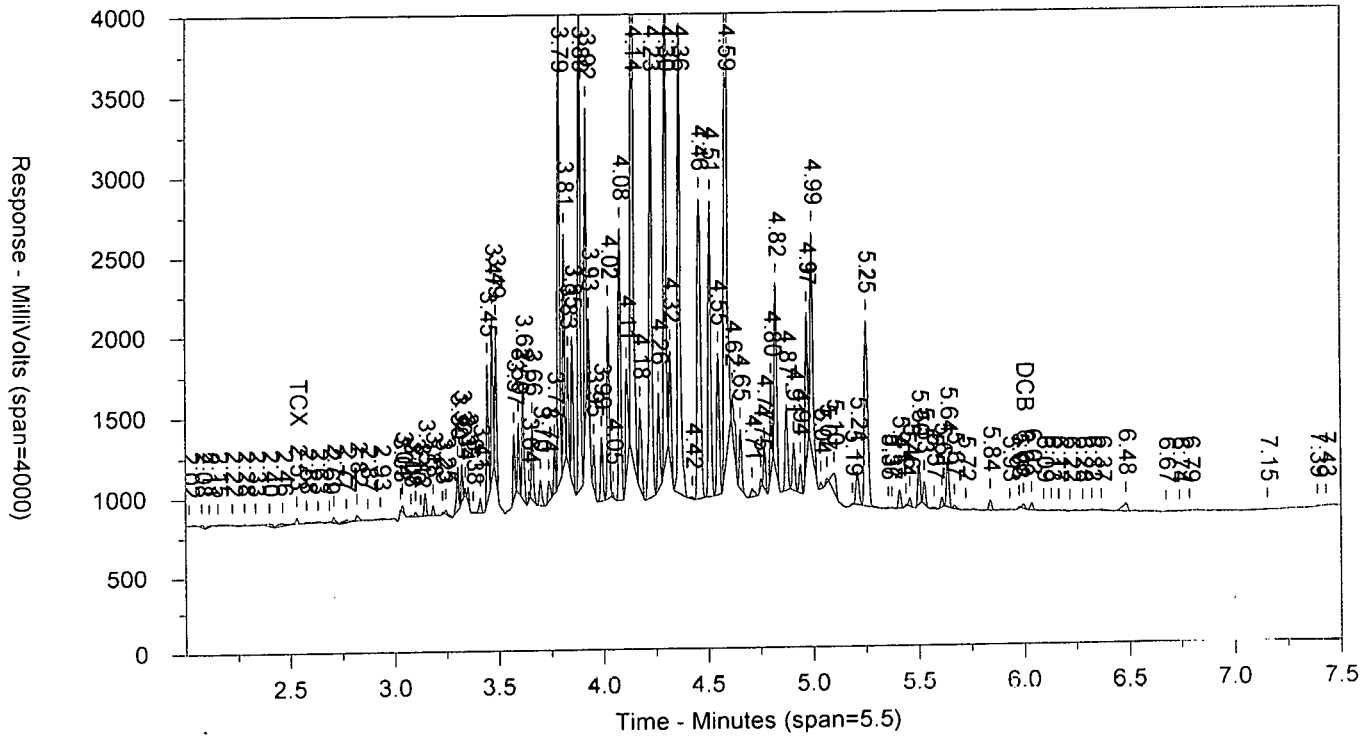

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Data Summary

Sample Name: 9229370 ACF DF20 95A03 Sample ID: AC **Batchnumber:** 172760009A
Sample Amount: 10.3 g Total Volume: 200 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 11:50:30
Instrument	17342A
Result file	20PCBS17275004.068.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 92% (61 - 152) Conc: 27.39239
%SSR(DCB) 104% (48 - 164) Conc: 27.37916

Analysis Report (B)

Injected on	Oct 05, 2017 11:50:30
Instrument	17342B
Result file	20PCBS17275004B.068.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 93% (61 - 152) Conc: 27.58689
%SSR(DCB) 124% (48 - 164) Conc: 32.6668

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	269214	27.39239
Decachlorobiphenyl	6.55	6.57	6.61	180679	27.37916

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	955574	27.58689
Decachlorobiphenyl	5.97	6.00	6.03	791696	32.6668

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	27.58689				0.71	
☑	Tetrachloro-m-xylene-D1	A	27.39239					
☑	Tetrachloro-m-xylene-D2	B	27.58689					
☐	Decachlorobiphenyl	B	32.6668				17.61	
☑	Decachlorobiphenyl-D1	A	27.37916					
☑	Decachlorobiphenyl-D2	B	32.6668					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**23.87**	
4.52	4.53	4.56	725239.7	3617.684218			1
4.58	4.59	4.62	2443858	6057.302215			2
4.70	4.72	4.74	922184.4	7008.023677			3
4.79	4.80	4.83	1757569	7847.517597			4
4.98	5.00	5.02	961731.9	6025.520407			5
5.10	5.12	5.14	2066534	7377.760636			6

Height summation: **8877117**
Concentration CF: **6322.301458** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**29.51**	
4.06	4.08	4.10	3215345	3851.993973			1
4.12	4.14	4.16	8507659	6384.093283			2
4.21	4.23	4.25	4379741	6121.313274			3
4.34	4.36	4.38	4581100	9546.728917			4
4.44	4.46	4.47	3057342	6519.620634			5
4.57	4.59	4.61	6963346	8669.066094			6

Height summation: **30704533**
Concentration CF: **6848.802696** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<990.2912	<192.233	D1		4	
☑	PCB-1221			<990.2912	<297.0874	D1		3	
☑	PCB-1232			<990.2912	<238.8349	D1		4	
☑	PCB-1242			<990.2912	<238.8349	D1		4	
☑	PCB-1248			<990.2912	<192.233	D1		4	
☑	PCB-1254	B	6848.802696	990.2912	256.3107	D2	7.99	4	
☑	PCB-1260			<990.2912	<227.1845	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:26

[redacted]

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229370** ACF DF20 95A03 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.3 g Total Volume: 200 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 11:50:30
Instrument : CP20--17342A
Result file : 20PCBS17275004.068.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 92% (61-152) Conc.: 27.39239
%SSR(DCB) : 104% (48-164) Conc.: 27.37916

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	103.80	
3.14	3.16	3.18	15503.19	100.485216			1
+ 3.36	3.37	3.40	25943.07	157.124599			2
3.36	3.39	3.40	38783.82	234.894797			2
3.47	3.49	3.51	121819.8	630.89796			3
3.68	3.71	3.72	134211.8	599.141324			4
3.74	3.76	3.78	52089.43	273.772504			5
3.93	3.95	3.97	275328	1839.18174			6
+ 3.93	3.97	3.97	217602.9	1453.580022			6
Height Summation:			**637736.04**				
Amount Avg CF:			**613.062257**	Linear:			
Aroclor-1221					3	46.85	
3.04	3.06	3.08	12155.3	163.71608			1
3.09	3.11	3.13	5358.931	81.124061			2
3.14	3.16	3.18	15503.19	74.159341			3
Height Summation:			**33017.421**				
Amount Avg CF:			**106.333161**	Linear:			
Aroclor-1232					6	94.51	
3.14	3.16	3.18	15503.19	86.035477			1
+ 3.36	3.37	3.40	25943.07	360.547306			2
3.36	3.39	3.40	38783.82	539.003358			2
3.47	3.49	3.51	121819.8	1408.672989			3
3.68	3.71	3.72	134211.8	1301.139689			4
3.74	3.76	3.78	52089.43	631.060089			5
3.93	3.95	3.97	275328	3335.580986			6
+ 3.93	3.97	3.97	217602.9	2636.245118			6
Height Summation:			**637736.04**				
Amount Avg CF:			**1216.915431**	Linear:			
Aroclor-1242					6	103.57	
3.14	3.16	3.18	15503.19	71.685745			1
+ 3.35	3.37	3.39	25943.07	114.161865			2
3.35	3.39	3.39	38783.82	170.667281			2
3.47	3.49	3.51	121819.8	452.346082			3
3.68	3.71	3.72	134211.8	425.563377			4
3.74	3.76	3.78	52089.43	190.355294			5
3.93	3.95	3.97	275328	1305.318831			6
Height Summation:			**637736.04**				
Amount Avg CF:			**435.989435**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 11:50:30
Instrument : CP20--17342B
Result file : 20PCBS17275004B.068.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 93% (61-152) Conc.: 27.58689
%SSR(DCB) : 124% (48-164) Conc.: 32.6668

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	113.05	
2.80	2.82	2.84	63619.18	105.577429			1
3.13	3.14	3.17	448261.2	584.456253			2
3.32	3.32	3.36	551822.1	816.176597			3
+ 3.32	3.34	3.36	56568.63	83.668255			3
+ 3.32	3.35	3.36	345928.6	511.648279			3
3.39	3.41	3.43	225503.8	295.048085			4
3.45	3.47	3.49	2119539	3657.358876			5
+ 3.45	3.49	3.49	1982693	3421.225013			5
3.55	3.57	3.59	1042892	1537.58151			6
Height Summation:			**4451637.28**				
Amount Avg CF:			**1166.033125**	Linear:			
Aroclor-1221					3	39.14	
2.69	2.71	2.73	55675.42	160.580411			1
2.75	2.75	2.79	19238.64	89.541743			2
+ 2.75	2.77	2.79	13860.11	64.508635			2
2.80	2.82	2.84	63619.18	82.059713			3
Height Summation:			**138533.24**				
Amount Avg CF:			**110.727289**	Linear:			
Aroclor-1232					6	120.53	
2.80	2.82	2.84	63619.18	95.099052			1
3.13	3.14	3.17	448261.2	1238.658433			2
3.32	3.32	3.36	551822.1	1735.487614			3
+ 3.32	3.34	3.36	56568.63	177.90907			3
+ 3.32	3.35	3.36	345928.6	1087.949904			3
3.39	3.41	3.43	225503.8	663.763465			4
E 3.45	3.47	3.49	2119539	8975.428284			5
E+ 3.45	3.49	3.49	1982693	8395.938377			5
3.55	3.57	3.59	1042892	3710.040612			6
Height Summation:			**4451637.28**				
Amount Avg CF:			**2736.41291**	Linear:			
Aroclor-1242					6	113.06	
2.80	2.82	2.84	63619.18	80.170285			1
3.13	3.14	3.17	448261.2	456.399679			2
3.32	3.32	3.36	551822.1	612.413002			3
+ 3.32	3.34	3.36	56568.63	62.779951			3
+ 3.32	3.35	3.36	345928.6	383.912084			3
3.39	3.41	3.43	225503.8	224.110725			4
3.45	3.47	3.49	2119539	2796.169855			5
+ 3.45	3.49	3.49	1982693	2615.637833			5
3.55	3.57	3.59	1042892	1181.347618			6
Height Summation:			**4451637.28**				
Amount Avg CF:			**891.768527**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229370** ACF DF20 95A03 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.3 g Total Volume: 200 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 11:50:30
Instrument : CP20--17342A
Result file : 20PCBS17275004.068.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**83.93**	
3.68	3.71	3.72	134211.8	1342.786648			1
3.74	3.76	3.78	52089.43	462.40956			2
3.81	3.82	3.85	512403.3	2597.258068			3
3.93	3.95	3.97	275328	1233.690777			4
+ 3.93	3.97	3.97	217602.9	975.035924			4
4.02	4.03	4.06	244785.8	1399.846967			5
+ 4.20	4.21	4.24	248602.7	1484.41805			6
4.20	4.23	4.24	884243.2	5279.856441			6
Height Summation:			**2103061.53**				
Amount Avg CF:			**2052.64141**	Linear:			
Aroclor-1254					**6**	**23.87**	
4.52	4.53	4.56	725239.7	3617.684218			1
4.58	4.59	4.62	2443858	6057.302215			2
4.70	4.72	4.74	922184.4	7008.023677			3
4.79	4.80	4.83	1757569	7847.517597			4
4.98	5.00	5.02	961731.9	6025.520407			5
5.10	5.12	5.14	2066534	7377.760636			6
+ 5.10	5.14	5.14	91262.03	325.815792			6
Height Summation:			**8877117**				
Amount Avg CF:			**6322.301458**	Linear:			
Aroclor-1260					**6**	**61.50**	
4.70	4.72	4.74	922184.4	2906.056755			1
4.90	4.91	4.94	1322900	3763.910785			2
5.11	5.12	5.15	2066534	4868.138361			3
+ 5.11	5.14	5.15	91262.03	214.98615			3
5.33	5.35	5.37	249529.3	1095.943474			4
5.57	5.58	5.61	638207.8	1195.630735			5
5.78	5.79	5.82	489789.2	1415.48904			6
Height Summation:			**5689144.7**				
Amount Avg CF:			**2540.861525**	Linear:			
Aroclor-1262					**6**	**51.97**	
5.17	5.19	5.21	190498.5	497.395162			1
5.33	5.35	5.37	249529.3	779.753639			2
5.57	5.58	5.61	638207.8	949.316375			3
5.78	5.79	5.82	489789.2	1049.210912			4
5.83	5.84	5.87	37268.47	163.33889			5
6.20	6.22	6.24	115621.6	447.832556			6
Height Summation:			**1720914.87**				
Amount Avg CF:			**647.807922**	Linear:			
Aroclor-1268					**5**	**89.32**	
5.77	5.79	5.81	489789.2	572.90442			1
5.83	5.84	5.87	37268.47	51.410194			2
+ 6.03	6.03	6.07	13331.37	79.379945			4
6.03	6.06	6.07	127522.1	759.314101			4
6.20	6.22	6.24	115621.6	434.596821			5
6.40	6.42	6.44	26224.96	11.056363			6
Height Summation:			**796426.33**				
Amount Avg CF:			**365.85638**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 11:50:30
Instrument : CP20--17342B
Result file : 20PCBS17275004B.068.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**80.13**	
3.32	3.32	3.36	551822.1	1893.971023			1
+ 3.32	3.34	3.36	56568.63	194.155591			1
+ 3.32	3.35	3.36	345928.6	1187.300662			1
3.39	3.41	3.43	225503.8	486.487156			2
3.43	3.45	3.47	1785459	2264.850423			3
3.55	3.57	3.59	1042892	1114.418222			4
+ 3.64	3.65	3.68	72116.05	111.439528			5
3.64	3.66	3.68	827270.9	1278.365614			5
3.77	3.79	3.81	4910285	5063.074681			6
Height Summation:			**9343232.8**				
Amount Avg CF:			**2016.861187**	Linear:			
Aroclor-1254					**6**	**29.51**	
4.06	4.08	4.10	3215345	3851.993973			1
4.12	4.14	4.16	8507659	6384.093283			2
4.21	4.23	4.25	4379741	6121.313274			3
4.34	4.36	4.38	4581100	9546.728917			4
4.44	4.46	4.47	3057342	6519.620634			5
4.57	4.59	4.61	6963346	8669.066094			6
Height Summation:			**30704533**				
Amount Avg CF:			**6848.802696**	Linear:			
Aroclor-1260					**6**	**74.81**	
4.34	4.36	4.38	4581100	3696.117382			1
4.44	4.46	4.48	3057342	2983.13662			2
4.57	4.59	4.61	6963346	6850.318106			3
4.78	4.80	4.82	862972.9	945.649609			4
4.98	5.00	5.01	2215712	1353.879352			5
5.24	5.25	5.28	1893258	1701.792171			6
Height Summation:			**19573730.9**				
Amount Avg CF:			**2921.81554**	Linear:			
Aroclor-1262					**6**	**52.87**	
4.60	4.62	4.64	419747.5	335.076695			1
4.78	4.80	4.82	862972.9	653.003728			2
4.98	5.00	5.01	2215712	1104.961167			3
+ 5.19	5.19	5.23	8948.175	9.420891			4
5.19	5.21	5.23	364844.9	384.11899			4
5.24	5.25	5.28	1893258	1288.010572			5
5.62	5.64	5.66	511439.1	618.31538			6
Height Summation:			**6267974.4**				
Amount Avg CF:			**730.581089**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229370** ACF DF20 95A03 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.3 g Total Volume: 200 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 11:50:30
Instrument : CP20--17342A
Result file : 20PCBS17275004.068.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 11:50:30
Instrument : CP20--17342B
Result file : 20PCBS17275004B.068.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					6	109.11	
+ 5.19	5.19	5.23	8948.175	3.51415			1
5.19	5.21	5.23	364844.9	143.282826			1
5.24	5.25	5.28	1893258	793.271547			2
5.39	5.41	5.43	183517.3	75.478894			3
5.46	5.46	5.50	89427.28	137.563036			4
+ 5.46	5.48	5.50	5942.077	9.140501			4
5.62	5.64	5.66	511439.1	638.055615			5
5.82	5.84	5.86	131011.3	17.439953			6

Height Summation: **3173497.88**
Amount Avg CF: **300.848645** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			990.2913	192.233		** 62.16	4	40	
Aroclor-1221			990.2913	297.0874		4.05	3	5	
Aroclor-1232			990.2913	238.835		** 76.87	4	40	
Aroclor-1242			990.2913	238.835		** 68.65	4	30	
Aroclor-1248			990.2913	192.233		1.76	4	40	
Aroclor-1254			990.2913	256.3107		7.99	4	40	
Aroclor-1260			990.2913	227.1845		13.95	4	40	
Aroclor-1262			990.2913	192.233		12.01	4	40	
Aroclor-1268			990.2913	192.233		19.50	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229370 ACF DF20 AC95A03 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 11:50:30 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.068.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.023		8253	9803
2.06		3520	5725
2.115		3088	1902
2.18		15268	13613
2.305		9618	6990
2.346		1324	1248
2.469		1404	1664
2.628		9464	6615
2.725		1061	1162
2.845		1244	1022
2.905	TCX	269214	180311
3.056		12155	10755
3.107		5359	7087
3.156		15503	11682
3.206		2441	1865
3.224		3486	2039
3.249		8164	6582
3.293		2010	2267
3.337		1145	1183
3.371		25943	14866
3.388		38784	23673
3.424		6141	3412
3.441		7050	5245
3.486		121820	85926
3.535		1317	699
3.56		15796	12000
3.594		9547	4962
3.609		7287	3775
3.664		227594	311850
3.706		134212	117433
3.756		52089	38303
3.795		62690	44902
3.823		512403	365230
3.85		596506	396882
3.873		556075	367447
3.946		275328	190203
3.97		217603	154284
4.001		356969	259572
4.033		244786	208731
4.076		47777	47402
4.107		17700	11285
4.122		6070	2846
4.157		73167	53308
4.192		920380	661804
4.21		248603	127030
4.235		884243	733657
4.303		385489	320620
4.344		1555628	1674680
4.379		886651	706072
4.419		100577	71915
4.441		122396	86682
4.483		512261	441010
4.532		725240	609579
4.563		184890	112847

RT A	Compound A	Height A	Area A
4.593		2443858	2050003
4.642		173864	126901
4.656		30881	13588
4.676		172481	120322
4.717		922184	894847
4.763		213105	183571
4.804		1757569	1568024
4.834		20477	12345
4.863		242934	244834
4.914		1322900	1718110
4.965		55582	46450
5		961732	984288
5.048		133758	102851
5.072		26018	19815
5.084		76864	50966
5.119		2066534	1751792
5.141		91262	45983
5.16		58886	35828
5.186		190499	151572
5.228		154466	158297
5.325		444298	365216
5.348		249529	183951
5.382		21987	15093
5.404		110587	85724
5.443		147079	139561
5.483		14957	15862
5.525		344166	320934
5.559		71189	66219
5.585		638208	576780
5.621		11647	8779
5.67		2745	5212
5.748		2853	2677
5.79		489789	456554
5.821		59827	40184
5.845		37268	37090
5.957		33609	30345
6.011		4997	3626
6.034		13331	9146
6.062		127522	118084
6.128		15886	15261
6.164		1707	1165
6.19		18596	13500
6.218		115622	110628
6.263		7493	6961
6.3		1234	1290
6.421		26225	29886
6.536		5142	4114
6.571	DCB	180679	178551
6.607		11091	9731
6.733		1812	2007
6.843		14573	30015
7.085		1293	1888
7.164		1729	4273
7.503		1745	3290
7.842		694	2474
7.903		4320	10080
8.074		1344	2081
8.269		381	1212
8.358		3988	8821
8.52		8777	18067

LANCASTER LABORATORIES

Sample Number: 9229370 ACF DF20 AC95A03 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 11:50:30 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.068.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.036		7500	5672
2.078		17064	17365
2.121		11979	26481
2.156		3180	2112
2.282		37879	28945
2.338		4707	5900
2.4		2501	2155
2.458		13092	34024
2.533	TCX	955574	617065
2.577		15422	16884
2.626		6845	9756
2.676		3058	1361
2.708		55675	52152
2.749		19239	13471
2.769		13860	10917
2.82		63619	65559
2.867		6115	6910
2.929		30137	24048
2.993		13990	23136
3.026		52719	26528
3.036		118518	59361
3.077		32863	18761
3.098		39028	24726
3.122		9876	5267
3.145		448261	300070
3.184		78343	51619
3.231		52695	27833
3.246		40144	19626
3.304		757162	559760
3.324		551822	300698
3.339		56569	19431
3.354		345929	189155
3.411		225504	164763
3.448		1785459	1148135
3.47		2119539	1141037
3.488		1982693	1099824
3.573		1042892	630316
3.596		835275	474534
3.616		1327309	880975
3.646		72116	33626
3.662		827271	561888
3.701		287962	224749
3.74		211657	184663
3.768		551113	305282
3.789		4910285	3232995
3.814		2419976	1413577
3.833		1065388	576373
3.853		1442875	904561
3.888		5408122	3744019
3.918		2968471	1786015
3.933		855662	396179
3.956		420731	244909
3.993		630549	462057
4.026		1876094	1300232

RT B	Compound B	Height B	Area B
4.047		46753	22258
4.082		3215345	2388567
4.114		1116460	869262
4.14		8507659	6402804
4.178		770606	704398
4.23		4379741	3746467
4.266		925435	699654
4.298		5335065	3745324
4.322		1037106	735655
4.364		4581101	4014793
4.415		5483	2452
4.459		3057342	3385967
4.509		3305113	2720548
4.549		1304667	1166052
4.587		6963346	6344595
4.62		419748	489743
4.657		597902	460670
4.712		56815	35914
4.726		20175	10626
4.754		98125	59054
4.771		372665	259493
4.802		862973	598927
4.824		1818201	1407636
4.875		832648	698582
4.91		441187	363609
4.941		294110	228000
4.973		1419307	1056079
4.995		2215713	1834613
5.038		63732	43448
5.067		69212	52477
5.102		109896	139365
5.189		8948	7417
5.211		364845	345682
5.253		1893258	2125755
5.355		5506	4001
5.411		183517	157790
5.442		13700	8719
5.458		89427	63735
5.48		5942	2234
5.503		387746	306592
5.529		234886	187573
5.574		18015	17753
5.612		101240	74617
5.64		511439	422585
5.672		33003	26411
5.721		2778	1364
5.753		5632	5926
5.84		131011	116451
5.928		5702	7771
5.999	DCB	791696	750350
6.037		68485	56393
6.129		8761	7375
6.167		4280	4323
6.195		6592	4284
6.281		4545	18418
6.325		5924	5424
6.362		4305	3287
6.486		52577	89344
6.684		6984	7845
6.787		3196	7579
6.899		3721	5158
6.965		2268	2120
7.079		2871	1163
7.307		4660	13210
7.395		14649	19979
7.474		5344	8718

RT B	Compound B	Height B	Area B
7.634		2549	3517
7.736		4415	6011
7.834		23690	48460
7.919		3750	6702
8.012		14203	23832
8.135		2788	3240
8.215		2464	5310
8.262		2260	1488
8.348		3394	6003
8.447		2681	3631
8.476		1643	793
8.557		1972	2751
8.65		3299	2052

9229370 ACF DF20 AC95A03 T 172760009A 10225 SW-846 8082

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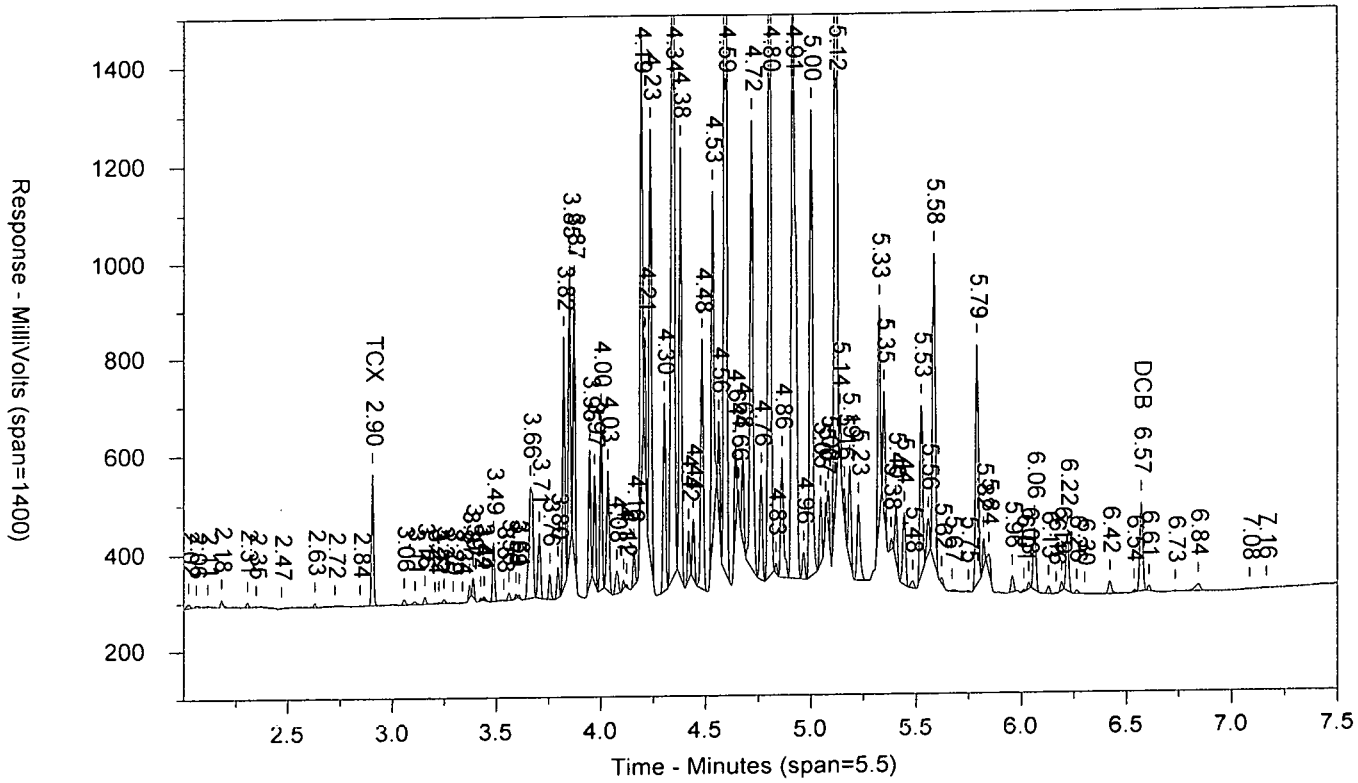

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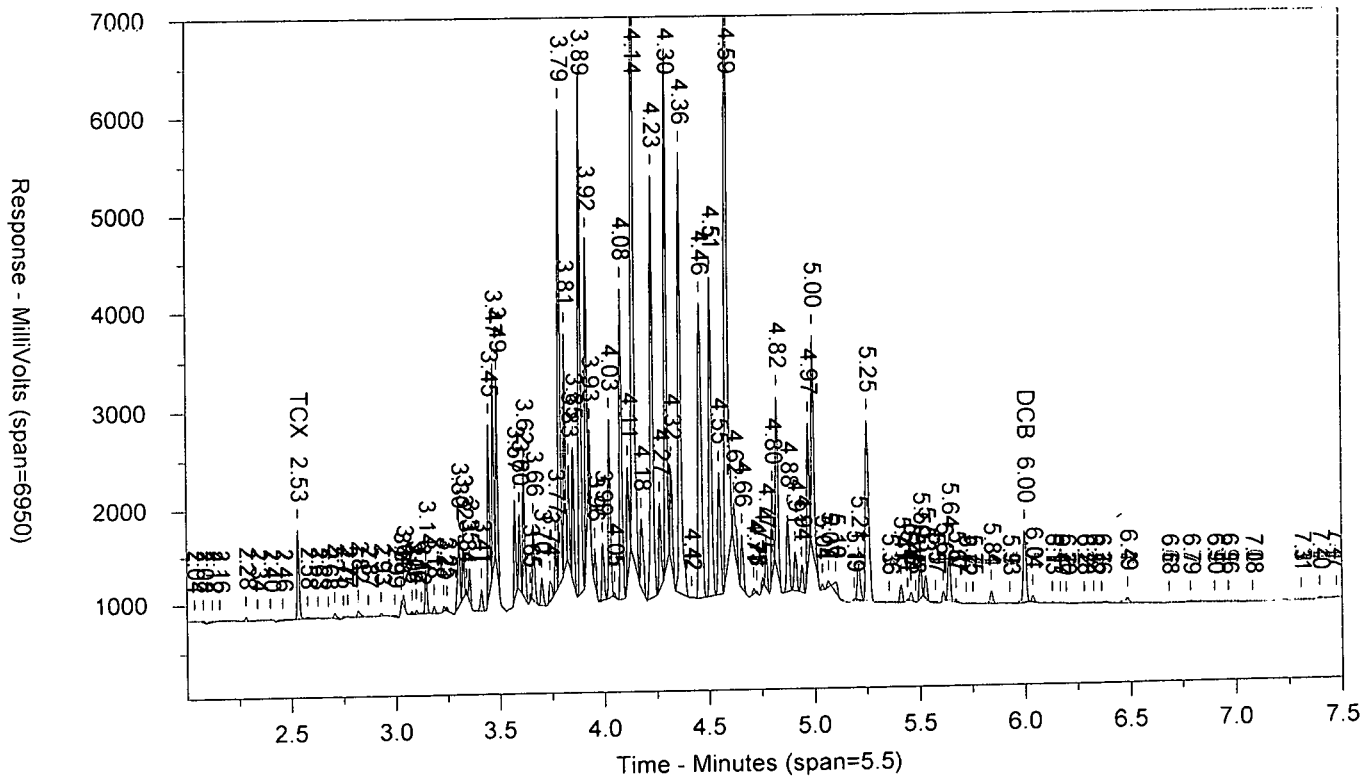

LANCASTER LABORATORIES

Sample Number: 9229370 ACF DF20 AC95A03 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 11:50:30 AM Sample Weight: 10.3
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.905	269214	27.392	TCX	2.533	955574	27.587	TCX
6.571	180679	27.379	DCB	5.999	791696	32.667	DCB

Files:
Area File: 20PCBs17275004.068.RAW
Area File: 20PCBs17275004B.068.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 11:59:15 AM
File Reported On: 10/5/2017 at 11:59:28 AM

9229370 ACF DF20 AC95A03 T 172760009A 10225 SW-846 8082

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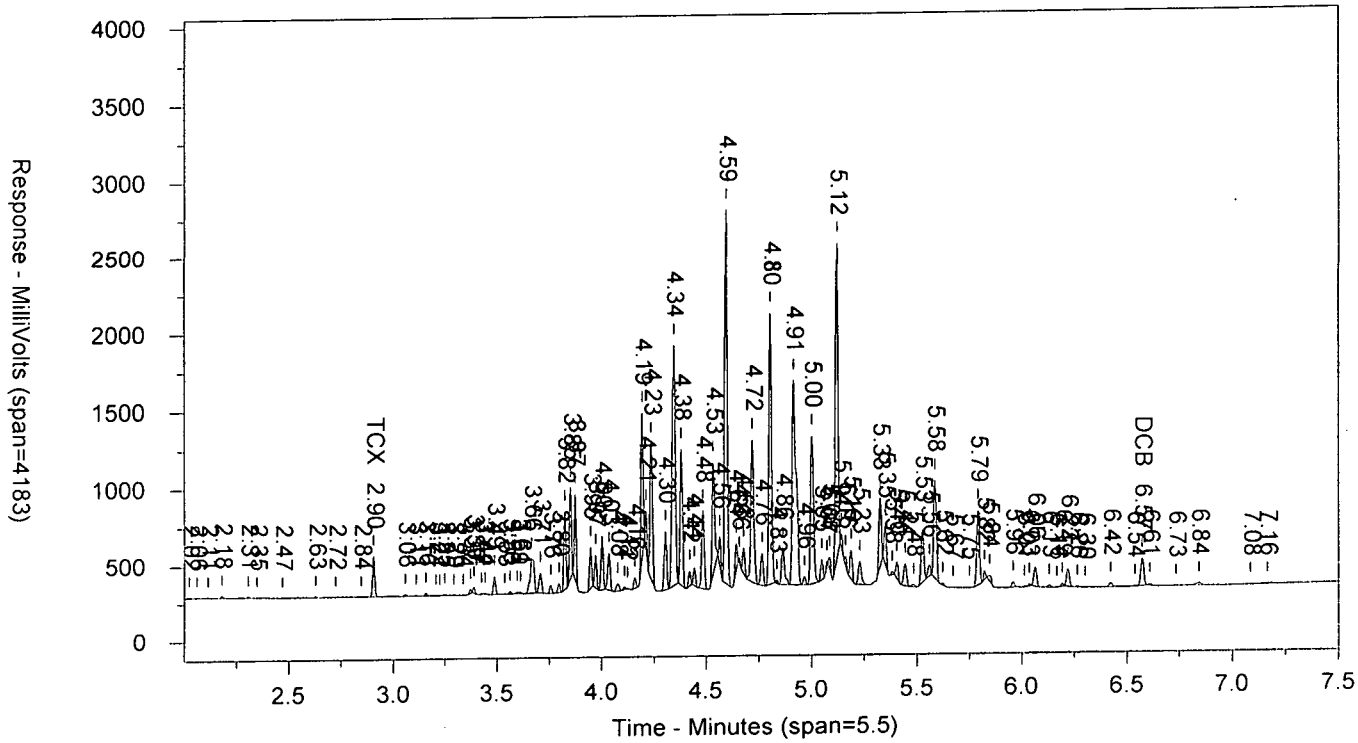

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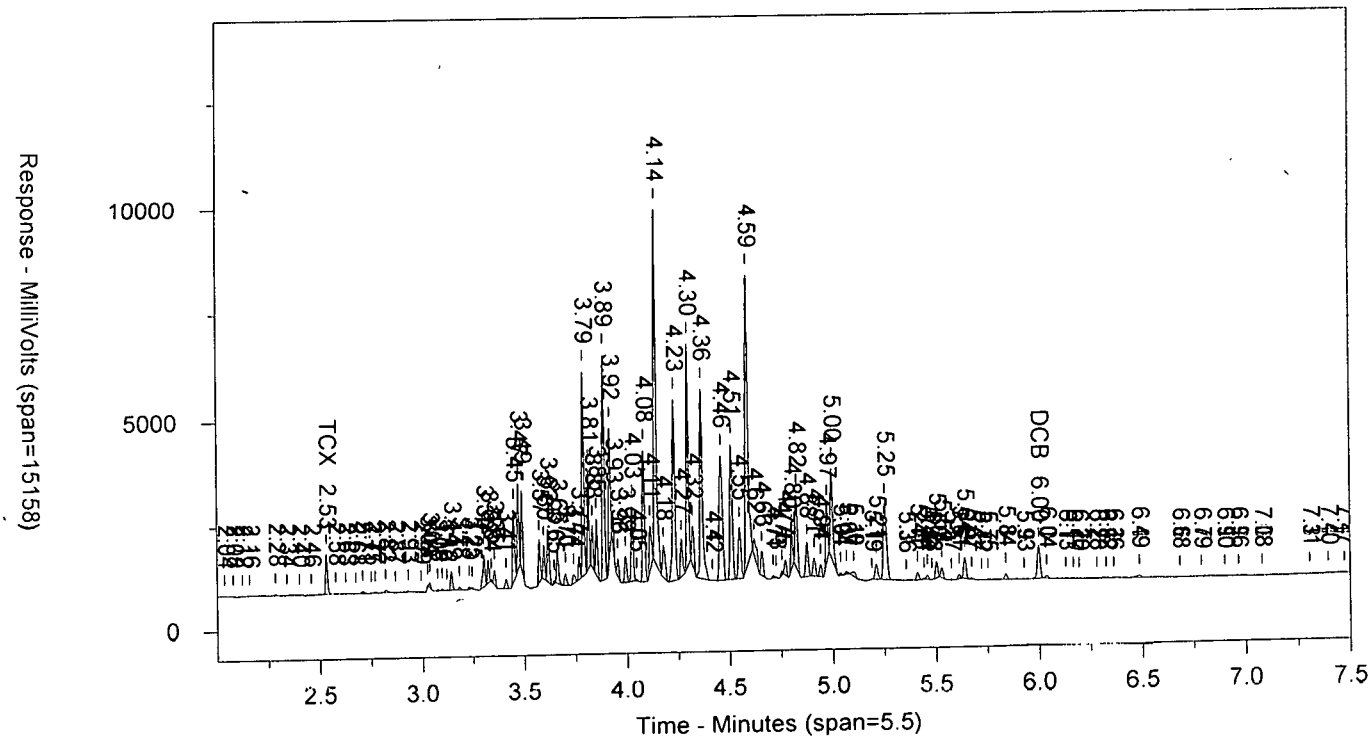

9229370 ACF DF20 AC95A03 T 172760009A 10225 SW-846 8082

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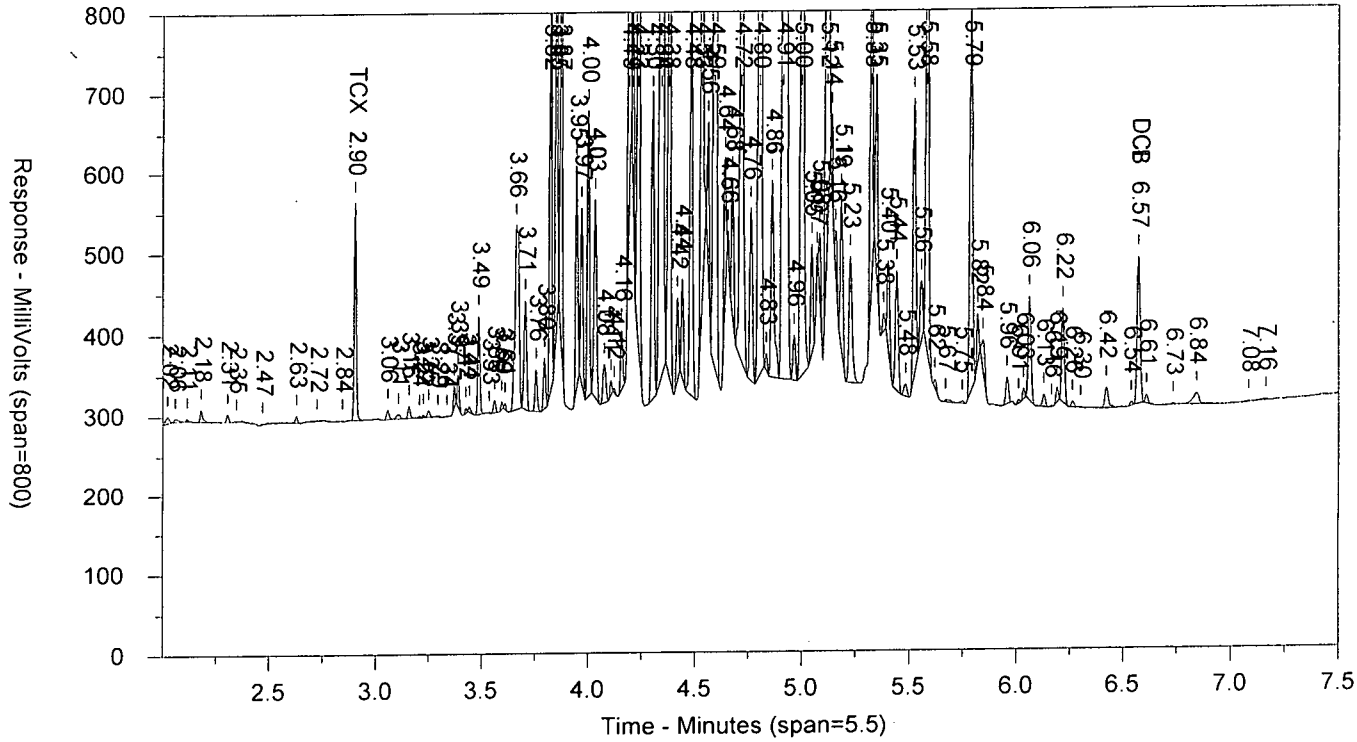

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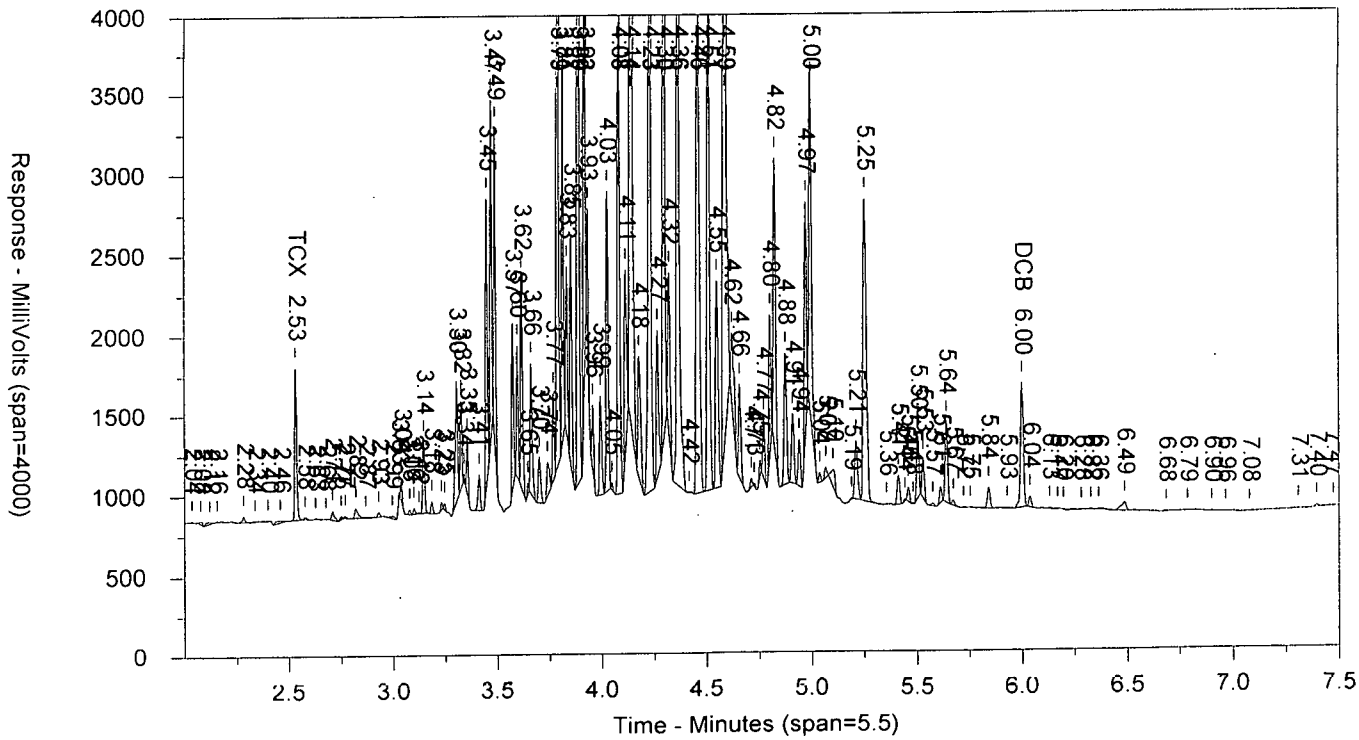

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Data Summary

Sample Name: 9229371 ACF DF200 95A04 Sample ID: AE **Batchnumber: 172760009A**
Sample Amount: 10.09 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 06, 2017 06:10:20
Instrument	17342A
Result file	20PCBS17278001.045.RAW
Calibration file	20PCBS1727801
Method file	20PCBS

%SSR(TCX) 104% (61 - 152) Conc: 31.35776
%SSR(DCB) 105% (48 - 164) Conc: 28.31397

Analysis Report (B)

Injected on	Oct 06, 2017 06:10:20
Instrument	17342B
Result file	20PCBS17278001B.045.RAW
Calibration file	20PCBS1727801B
Method file	20PCBSB

%SSR(TCX) 107% (61 - 152) Conc: 32.27848
%SSR(DCB) 108% (48 - 164) Conc: 29.08268

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.87	2.90	2.93	31017	31.35776
Decachlorobiphenyl	6.54	6.56	6.60	19271	28.31397

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	96136	32.27848
Decachlorobiphenyl	5.96	5.99	6.02	74992	29.08268

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	32.27848				2.89	
☑	Tetrachloro-m-xylene-D1	A	31.35776					
☑	Tetrachloro-m-xylene-D2	B	32.27848					
☐	Decachlorobiphenyl	B	29.08268				2.68	
☑	Decachlorobiphenyl-D1	A	28.31397					
☑	Decachlorobiphenyl-D2	B	29.08268					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**17.59**	
4.51	4.53	4.55	1765296	78525.669891			1
4.57	4.59	4.61	5444102	118852.328044			2
4.69	4.71	4.73	1807988	125204.12127			3
4.78	4.80	4.82	3970162	129478.016588			4
4.98	5.00	5.02	2181105	101538.940178			5
5.10	5.11	5.14	4068024	127989.988683			6

Height summation: **19236677**
Concentration CF: **113598.177442** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**16.59**	
4.06	4.08	4.10	7513511	76343.171825			1
4.12	4.14	4.16	18875200	111294.132315			2
4.21	4.23	4.25	8902379	105258.546864			3
4.34	4.36	4.38	8552190	128459.764204			4
4.43	4.45	4.47	5681210	101135.710839			5
4.56	4.58	4.60	14456390	117511.83214			6

Height summation: **63980880**
Concentration CF: **106667.193031** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<10109.0193	<1962.339	D1		4	
☑	PCB-1221			<10109.0193	<3032.7058	D1		3	
☑	PCB-1232			<10109.0193	<2438.0576	D1		4	
☑	PCB-1242			<10109.0193	<2438.0576	D1		4	
☑	PCB-1248			<10109.0193	<1962.339	D1		4	
☑	PCB-1254	A	113598.177442	10109.0193	2616.4521	D1	6.29	4	
☑	PCB-1260			<10109.0193	<2319.128	D1		4	

Units: ug/kg

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

Valerie L. Tomzyko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Kirby B Turner on 10/9/2017 13:10:30

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229371** ACF DF200 95A04 Sample ID: AE **Batchnumber: 172760009A**
Sample Amount: 10.09 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 06, 2017 06:10:20
Instrument : CP20--17342A
Result file : 20PCBS17278001.045.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 104% (61-152) Conc.: 31.35776
%SSR(DCB) : 105% (48-164) Conc.: 28.31397

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	115.87	
3.14	3.16	3.18	33495.56	2107.366552			1
+ 3.35	3.37	3.39	58863.18	3557.26771			2
3.35	3.39	3.39	78925.05	4769.663003			2
3.46	3.48	3.50	244682.6	12585.459893			3
3.68	3.70	3.72	266470.9	11535.542927			4
3.73	3.75	3.77	137780.6	6923.288806			5
3.92	3.94	3.96	710247.9	46137.412998			6
Height Summation:			**1471602.61**				
Amount Avg CF:			**14009.78903**	Linear:			
Aroclor-1221					3	55.35	
3.03	3.05	3.07	25094.19	3258.413334			1
3.09	3.11	3.13	8061.509	1204.435478			2
3.13	3.16	3.17	33495.56	1525.642385			3
Height Summation:			**66651.259**				
Amount Avg CF:			**1996.163732**	Linear:			
Aroclor-1232					6	127.34	
3.13	3.16	3.17	33495.56	1794.070532			1
+ 3.35	3.37	3.39	58863.18	7902.083612			2
3.35	3.39	3.39	78925.05	10595.287992			2
3.46	3.48	3.50	244682.6	26878.131055			3
3.68	3.70	3.72	266470.9	24305.17791			4
3.73	3.75	3.77	137780.6	15456.683964			5
E 3.92	3.94	3.96	710247.9	113179.401402			6
Height Summation:			**1471602.61**				
Amount Avg CF:			**32034.792143**	Linear:			
Aroclor-1242					6	116.57	
3.13	3.16	3.17	33495.56	1468.514087			1
+ 3.35	3.37	3.39	58863.18	2461.080829			2
3.35	3.39	3.39	78925.05	3299.871456			2
3.46	3.48	3.50	244682.6	8641.929345			3
3.68	3.70	3.72	266470.9	7562.901245			4
3.73	3.75	3.77	137780.6	4700.289493			5
3.92	3.94	3.96	710247.9	31610.98779			6
Height Summation:			**1471602.61**				
Amount Avg CF:			**9547.415569**	Linear:			
Aroclor-1248					6	88.39	
3.68	3.70	3.72	266470.9	25175.9682			1
3.73	3.75	3.77	137780.6	11868.18894			2
3.80	3.82	3.84	1276200	64542.67418			3
3.92	3.94	3.96	710247.9	31552.889335			4
4.01	4.03	4.05	569159.4	31293.697908			5
4.19	4.19	4.23	2463971	130399.839475			6
+ 4.19	4.21	4.23	542331.1	28701.591205			6
Height Summation:			**5423829.8**				
Amount Avg CF:			**49138.87634**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 06:10:20
Instrument : CP20--17342B
Result file : 20PCBS17278001B.045.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 107% (61-152) Conc.: 32.27848
%SSR(DCB) : 108% (48-164) Conc.: 29.08268

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	79.15	
2.80	2.82	2.84	135314.7	2501.210249			1
3.13	3.14	3.17	899361.2	13441.584132			2
3.28	3.30	3.32	1566234	24154.343007			3
* 3.32	3.32	3.36	1036821	15571.134778			4
+* 3.28	3.32	3.32	1036821	15989.77552			3
+ 3.32	3.34	3.36	139920.1	2101.341249			4
+ 3.32	3.35	3.36	593701.1	8916.293021			4
3.39	3.41	3.43	540139.4	7342.824152			5
3.55	3.57	3.59	2535880	40881.796482			6
Height Summation:			**6713750.3**				
Amount Avg CF:			**17315.482134**	Linear:			
Aroclor-1221					3	40.83	
2.68	2.71	2.72	118784.1	3802.016872			1
2.75	2.77	2.79	39508.8	2057.437217			2
2.80	2.82	2.84	135314.7	1899.269335			3
Height Summation:			**293607.6**				
Amount Avg CF:			**2586.241141**	Linear:			
Aroclor-1232					6	87.25	
2.80	2.82	2.84	135314.7	2174.342632			1
3.13	3.14	3.17	899361.2	27716.439734			2
E 3.28	3.30	3.32	1566234	50299.946717			3
3.32	3.32	3.36	1036821	31396.915705			4
+ 3.32	3.34	3.36	139920.1	4237.047268			4
+ 3.32	3.35	3.36	593701.1	17978.400699			4
3.39	3.41	3.43	540139.4	15567.469479			5
E 3.55	3.57	3.59	2535880	93341.113094			6
Height Summation:			**6713750.3**				
Amount Avg CF:			**36749.371227**	Linear:			
Aroclor-1242					6	80.02	
2.80	2.82	2.84	135314.7	1814.440278			1
3.13	3.14	3.17	899361.2	9935.556569			2
3.28	3.30	3.32	1566234	16389.916922			3
3.32	3.32	3.36	1036821	11134.888055			4
+ 3.32	3.34	3.36	139920.1	1502.665021			4
+ 3.32	3.35	3.36	593701.1	6376.023717			4
3.39	3.41	3.43	540139.4	5330.963622			5
3.55	3.57	3.59	2535880	29983.85125			6
Height Summation:			**6713750.3**				
Amount Avg CF:			**12431.602783**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229371** ACF DF200 95A04 Sample ID: AE **Batchnumber: 172760009A**
Sample Amount: 10.09 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 06, 2017 06:10:20
Instrument : CP20--17342A
Result file : 20PCBS17278001.045.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	17.59	
4.51	4.53	4.55	1765296	78525.669891			1
4.57	4.59	4.61	5444102	118852.328044			2
4.69	4.71	4.73	1807988	125204.12127			3
4.78	4.80	4.82	3970162	129478.016588			4
4.98	5.00	5.02	2181105	101538.940178			5
5.10	5.11	5.14	4068024	127989.988683			6
Height Summation:			**19236677**				
Amount Avg CF:			**113598.177442**	Linear:			
Aroclor-1260					6	73.29	
4.69	4.71	4.73	1807988	54652.967642			1
4.89	4.91	4.93	2521370	64513.263762			2
5.10	5.11	5.14	4068024	86392.868469			3
5.33	5.34	5.36	386883.9	16257.032338			4
5.56	5.58	5.60	800970.6	12847.40447			5
5.77	5.79	5.81	708406.3	17581.568082			6
Height Summation:			**10293642.8**				
Amount Avg CF:			**42040.850794**	Linear:			
Aroclor-1262					5	50.14	
5.16	5.18	5.20	208299.2	4969.400684			1
5.33	5.34	5.36	386883.9	11550.304346			2
5.56	5.58	5.60	800970.6	10164.010341			3
5.77	5.79	5.81	708406.3	13284.813591			4
6.19	6.21	6.23	101150.6	3233.065109			6
Height Summation:			**2205710.6**				
Amount Avg CF:			**8640.318814**	Linear:			
Aroclor-1268					4	89.19	
5.77	5.79	5.81	708406.3	7437.559786			1
+ 6.02	6.03	6.06	22204.41	1137.176882			4
6.02	6.06	6.06	221245.5	11330.869311			4
6.20	6.21	6.24	101150.6	3162.153397			5
6.40	6.42	6.44	26598.93	99.547542			6
Height Summation:			**1057401.33**				
Amount Avg CF:			**5507.532509**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 06:10:20
Instrument : CP20--17342B
Result file : 20PCBS17278001B.045.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	70.96	
3.32	3.32	3.36	1036821	34851.670914			1
+ 3.32	3.34	3.36	139920.1	4703.270169			1
+ 3.32	3.35	3.36	593701.1	19956.651494			1
3.39	3.41	3.43	540139.4	12382.883066			2
3.43	3.45	3.47	4194330	58650.261108			3
3.55	3.57	3.59	2535880	29087.122976			4
+ 3.64	3.64	3.68	158439.6	2434.497499			5
3.64	3.66	3.68	1891769	29067.902845			5
3.77	3.79	3.81	11733370	99942.273715			6
Height Summation:			**21932309.4**				
Amount Avg CF:			**43997.019104**	Linear:			
Aroclor-1254					6	16.59	
4.06	4.08	4.10	7513511	76343.171825			1
4.12	4.14	4.16	18875200	111294.132315			2
4.21	4.23	4.25	8902379	105258.546864			3
4.34	4.36	4.38	8552190	128459.764204			4
4.43	4.45	4.47	5681210	101135.710839			5
4.56	4.58	4.60	14456390	117511.83214			6
Height Summation:			**63980880**				
Amount Avg CF:			**106667.193031**	Linear:			
Aroclor-1260					6	84.34	
4.34	4.36	4.38	8552190	57773.669468			1
4.44	4.45	4.48	5681210	50609.836855			2
4.56	4.58	4.60	14456390	99917.218914			3
4.78	4.80	4.82	1043202	10810.270909			4
4.97	4.99	5.01	2605814	11787.182687			5
5.23	5.25	5.27	2653651	18181.881511			6
Height Summation:			**34992457**				
Amount Avg CF:			**41513.343391**	Linear:			
Aroclor-1262					6	62.50	
+ 4.60	4.62	4.64	125807.2	925.22192			1
4.60	4.63	4.64	620162.8	4560.853564			1
4.78	4.80	4.82	1043202	7547.655922			2
4.97	4.99	5.01	2605814	9547.862726			3
5.19	5.21	5.23	333581.5	3026.879096			4
5.23	5.25	5.27	2653651	15084.864649			5
5.62	5.64	5.65	425379.7	3863.980045			6
Height Summation:			**7681791**				
Amount Avg CF:			**7272.016**	Linear:			
Aroclor-1268					5	115.16	
5.19	5.21	5.23	333581.5	1113.758016			1
5.24	5.25	5.28	2653651	8756.388112			2
5.39	5.41	5.43	364502.1	1347.805785			3
5.62	5.64	5.65	425379.7	3690.317323			5
5.82	5.84	5.86	133230.2	142.256819			6
Height Summation:			**3910344.5**				
Amount Avg CF:			**3010.105211**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229371 ACF DF200 95A04 Sample ID: AE **Batchnumber: 172760009A**
Sample Amount: 10.09 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 06, 2017 06:10:20
Instrument : CP20--17342A
Result file : 20PCBS17278001.045.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 06, 2017 06:10:20
Instrument : CP20--17342B
Result file : 20PCBS17278001B.045.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			10109.0182	1962.3388		21.11	4	40	
Aroclor-1221			10109.0182	3032.7055		25.75	3	5	
Aroclor-1232			10109.0182	2438.0573	E	13.71	4	40	
Aroclor-1242			10109.0182	2438.0573		26.24	4	30	
Aroclor-1248			10109.0182	1962.3388		11.04	4	40	
Aroclor-1254			10109.0182	2616.4518		6.29	4	40	
Aroclor-1260			10109.0182	2319.1277		1.26	4	40	
Aroclor-1262			10109.0182	1962.3388		17.20	4	40	
Aroclor-1268			10109.0182	1962.3388		** 58.64	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229371 ACF DF200 AE95A04 T 172760009A 10225 SW-846 8082
Injected On: 10/6/2017 6:10:20 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.045.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.023		20264	22229
2.063		2634	3259
2.18		30851	23697
2.305		7336	5323
2.345		802	490
2.465		1302	1006
2.495		1473	1223
2.552		1553	2025
2.628		21183	13601
2.675		1111	1027
2.725		1091	1392
2.842		1499	808
2.871		937	837
2.903	TCX	31017	24216
3.013		1852	1424
3.055		25094	20766
3.109		8062	6408
3.155		33496	25237
3.206		2403	1175
3.223		3093	1679
3.248		18146	13946
3.289		2126	2116
3.369		58863	33690
3.386		78925	48303
3.422		12903	7351
3.438		17237	12432
3.484		244683	176318
3.521		1404	853
3.534		2706	1240
3.557		45322	32848
3.592		24773	14276
3.606		16444	8110
3.661		503045	668451
3.702		266471	242091
3.752		137781	95711
3.792		123439	89536
3.82		1276200	912603
3.847		1177536	804997
3.869		1025882	699855
3.943		710248	505827
3.966		461454	310319
3.996		675640	504230
4.03		569159	488991
4.071		112449	108062
4.103		33343	21544
4.117		10873	5215
4.154		149299	116622
4.188		2463971	1666443
4.206		542331	292381
4.231		1961706	1550888
4.299		857944	689947
4.34		3799832	3926066
4.375		1948430	1527147
4.415		201419	140316

RT A	Compound A	Height A	Area A
4.437		265881	193189
4.479		1196059	1020738
4.528		1765296	1518831
4.559		442036	280774
4.589		5444102	4649866
4.637		316253	223038
4.652		63801	25722
4.672		429690	305358
4.693		11784	4473
4.714		1807988	1686215
4.759		442659	388752
4.799		3970162	3537030
4.831		46877	28148
4.859		441918	480989
4.91		2521371	3369193
4.961		76194	60192
4.996		2181105	2228576
5.043		292544	224235
5.068		75753	52522
5.08		119479	78271
5.115		4068024	3527586
5.137		218596	103499
5.156		152600	87588
5.181		208299	163217
5.224		212963	233092
5.321		993855	798608
5.345		386884	263603
5.376		8601	5171
5.4		198113	171474
5.438		246470	242662
5.477		26801	28678
5.52		743422	673357
5.555		182570	162753
5.581		800971	700632
5.619		21380	18030
5.671		5301	8837
5.744		6745	6890
5.786		708406	638604
5.817		130109	188117
5.953		74284	78381
6.006		11557	8293
6.03		22204	15795
6.057		221246	207051
6.124		34369	34632
6.159		2101	1395
6.185		42939	34017
6.214		101151	90093
6.258		6393	5847
6.297		6527	7152
6.417		26599	30037
6.531		12493	12232
6.565	DCB	19271	16973
6.601		28768	28451
6.723		3700	4328
6.837		4490	5973
6.992		732	951
7.614		869	1149
8.292		536	928
8.351		1707	2116
8.509		6841	14841

LANCASTER LABORATORIES

Sample Number: 9229371 ACF DF200 AE95A04 T 172760009A 10225 SW-846 8082
Injected On: 10/6/2017 6:10:20 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.045.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.03		3582	2852
2.076		16161	17217
2.118		4012	12708
2.174		3512	2914
2.228		5977	8012
2.282		86862	59367
2.368		2843	1863
2.455		11306	25428
2.532	TCX	96136	61204
2.577		28546	30377
2.639		5610	6032
2.707		118784	101896
2.767		39509	51734
2.818		135315	124236
2.895		3583	2580
2.928		71946	54315
2.979		3434	2639
3.025		122202	61128
3.036		216851	103296
3.075		77265	44289
3.097		95453	59603
3.121		25213	12499
3.144		899361	615418
3.183		187461	119440
3.229		128737	70513
3.244		78545	37227
3.303		1566234	1195857
3.323		1036821	540677
3.337		139920	51344
3.352		593701	316664
3.409		540139	396520
3.446		4194330	2672359
3.468		4185585	2271990
3.486		3681036	2073097
3.539		10628	6897
3.571		2535880	1587932
3.593		1621165	917628
3.613		2529179	1643347
3.642		158440	73914
3.659		1891769	1246201
3.697		609559	475805
3.736		447735	404603
3.765		1251028	704466
3.786		11733370	7484809
3.81		4827293	2803689
3.829		2181351	1157823
3.849		2909277	1830459
3.884		12187840	8277018
3.914		6204981	3683437
3.929		1831894	853727
3.952		720673	403107
3.989		1293515	955386
4.023		4078115	2844246
4.043		74463	30377

RT B	Compound B	Height B	Area B
4.078		7513511	5538562
4.11		2442824	1838952
4.137		18875200	13978340
4.174		1482548	1336965
4.226		8902379	7408305
4.262		1898441	1416157
4.293		11713050	8244716
4.317		1992743	1319329
4.36		8552190	7606468
4.426		14569	6564
4.454		5681210	6369648
4.505		7578643	6060575
4.545		2425549	2128691
4.582		14456390	12885140
4.615		125807	41717
4.627		620163	337392
4.653		787015	600778
4.709		175550	216996
4.749		96597	54175
4.766		774174	552578
4.798		1043202	702182
4.82		3743978	2952358
4.871		1321688	1127487
4.905		658556	563078
4.936		412924	312321
4.968		3197139	2415019
4.99		2605814	2212201
5.032		83255	53176
5.061		149457	131543
5.128		18174	13495
5.207		333582	383992
5.248		2653651	2864515
5.349		15082	19401
5.406		364502	309375
5.437		42738	25644
5.454		134165	91200
5.499		860309	663600
5.523		266381	195883
5.571		36145	34203
5.608		216903	168070
5.635		425380	351846
5.667		28458	21506
5.712		10736	9266
5.836		133230	116727
5.873		6506	5275
5.972		54328	35765
5.994	DCB	74992	56536
6.032		149901	133122
6.128		15921	14549
6.189		6346	4207
6.214		2102	903
6.321		3505	3779
6.357		6087	11078
6.479		21013	33394
6.531		3991	2742
7.276		1843	1845
7.358		2157	847
7.389		7677	9380
7.744		2668	5834
7.824		8182	11381
7.905		2567	2096
8.008		10088	18313
8.097		1795	1288
8.143		1459	1141
8.195		2326	2467
8.351		2641	6470

RT B	Compound B	Height B	Area B
8.458		2516	3197
8.569		2208	5658

9229371 ACF DF200 AE95A04 T 172760009A 10225 SW-846 8082

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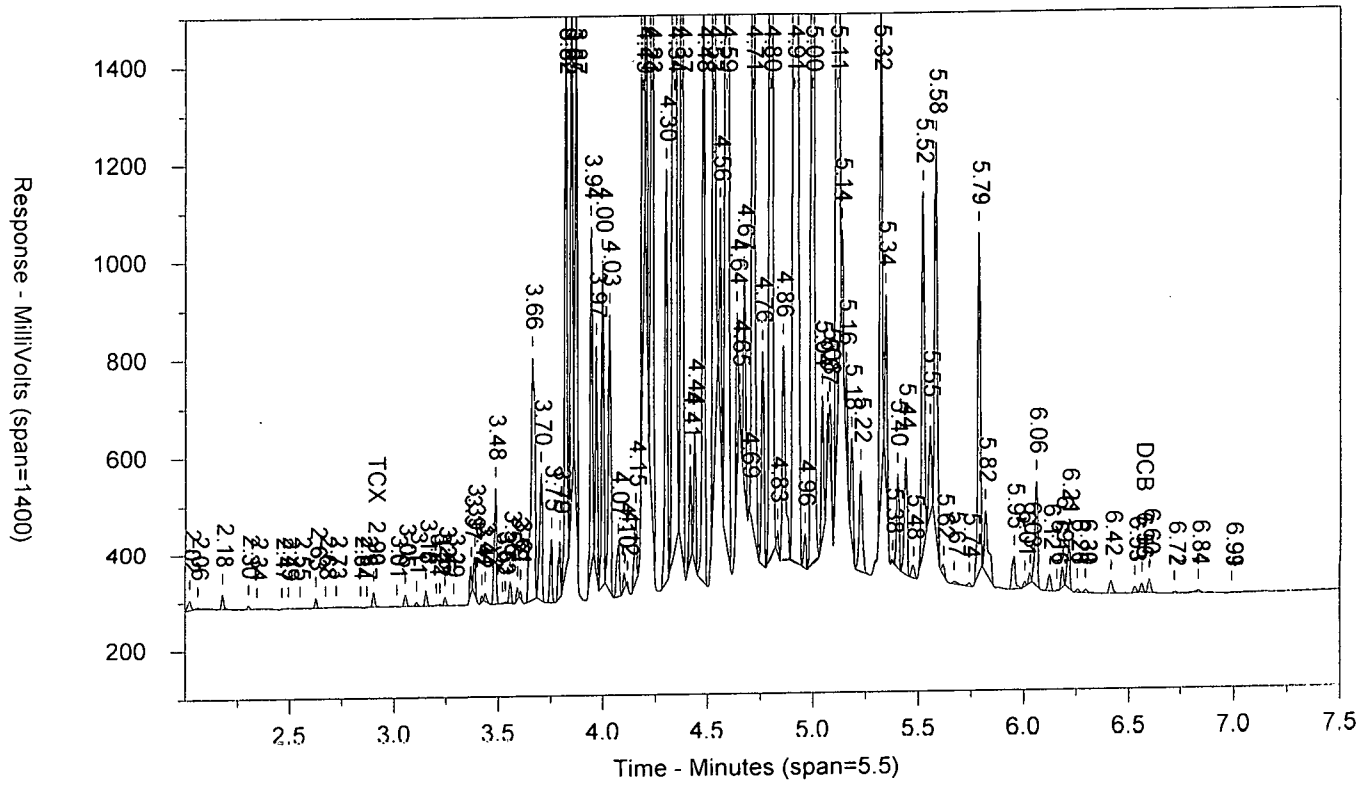

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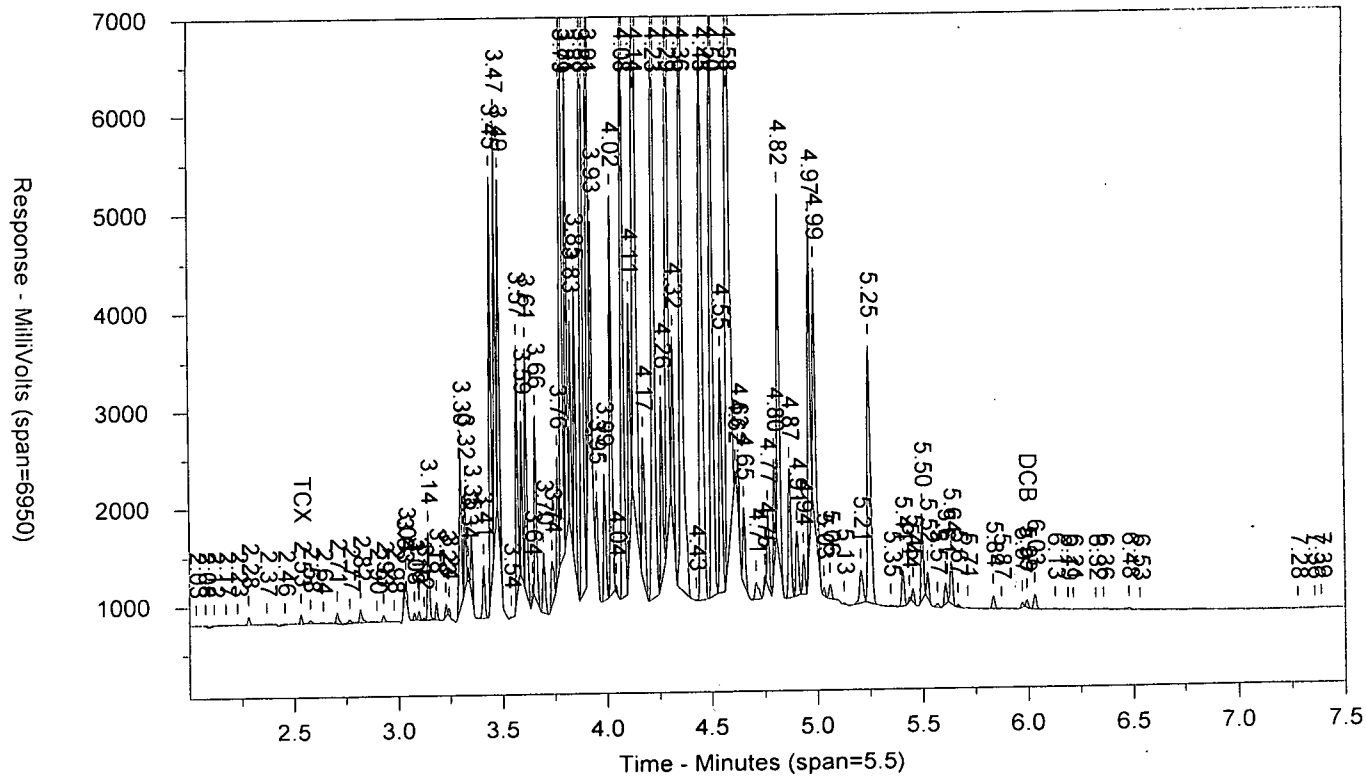

LANCASTER LABORATORIES

Sample Number: 9229371 ACF DF200 AE95A04 T 172760009A 10225 SW-846 8082
Injected On: 10/6/2017 6:10:20 AM Sample Weight: 10.09
Instrument ID: CP20-17342 Dilution Factor: 2000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	31017	31.358	TCX	2.532	96136	32.278	TCX
6.565	19271	28.314	DCB	5.994	74992	29.083	DCB

Files:
Area File: 20PCBS17278001.045.RAW
Area File: 20PCBS17278001B.045.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 6:19:04 AM
File Reported On: 10/6/2017 at 6:19:11 AM

9229371 ACF DF200 AE95A04 T 172760009A 10225 SW-846 8082

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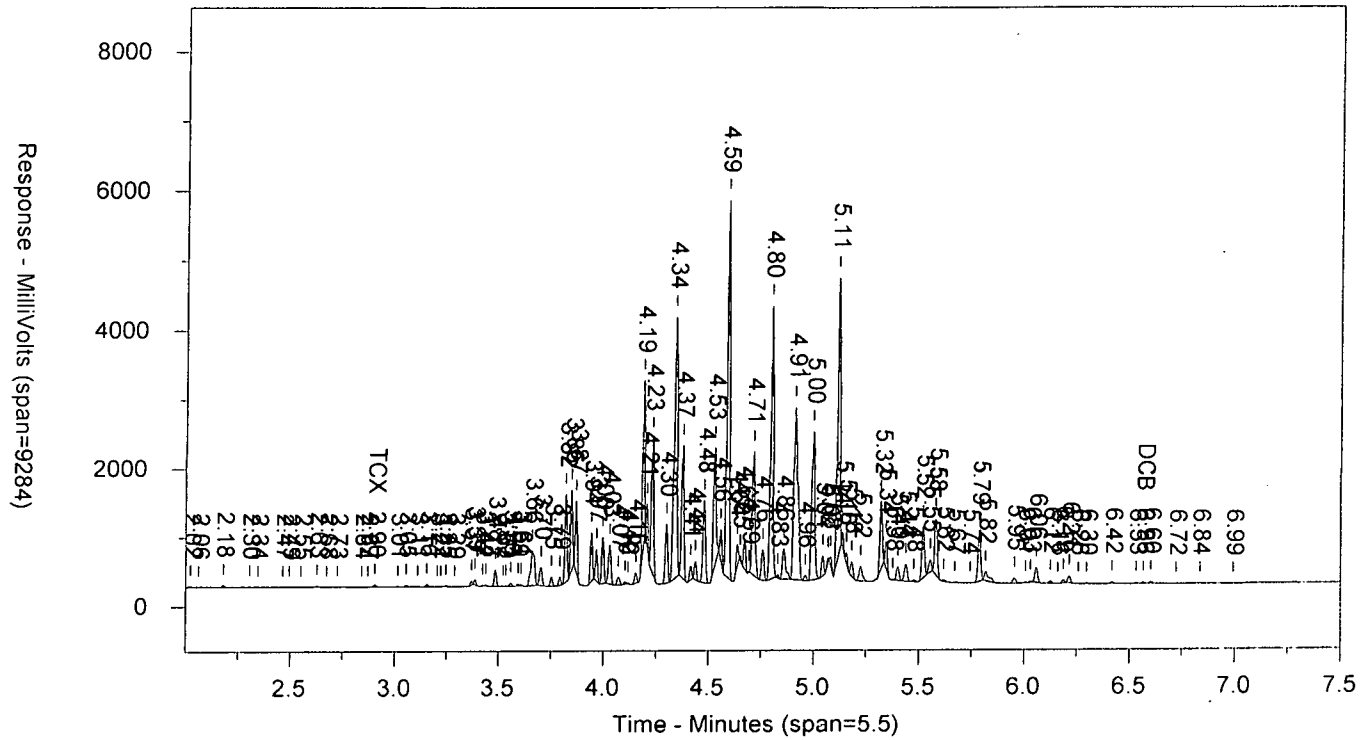

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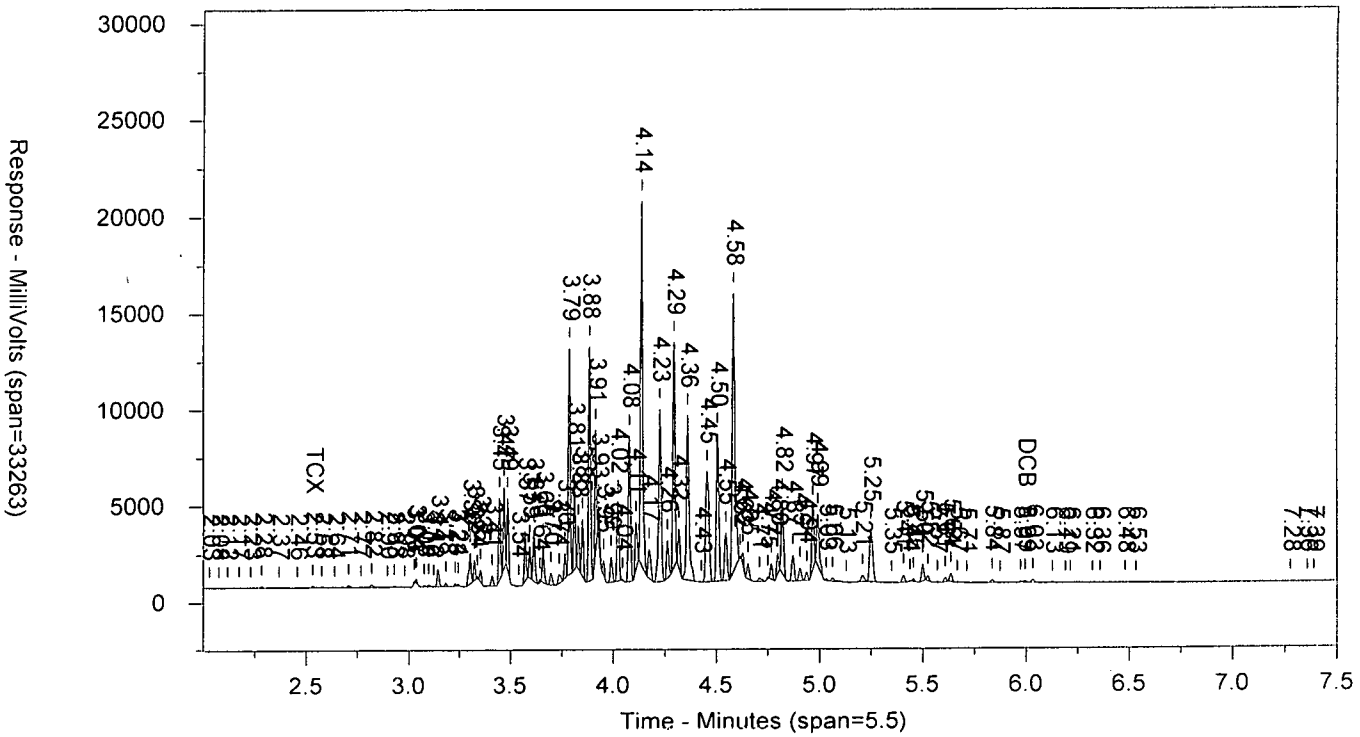

9229371 ACF DF200 AE95A04 T 172760009A 10225 SW-846 8082

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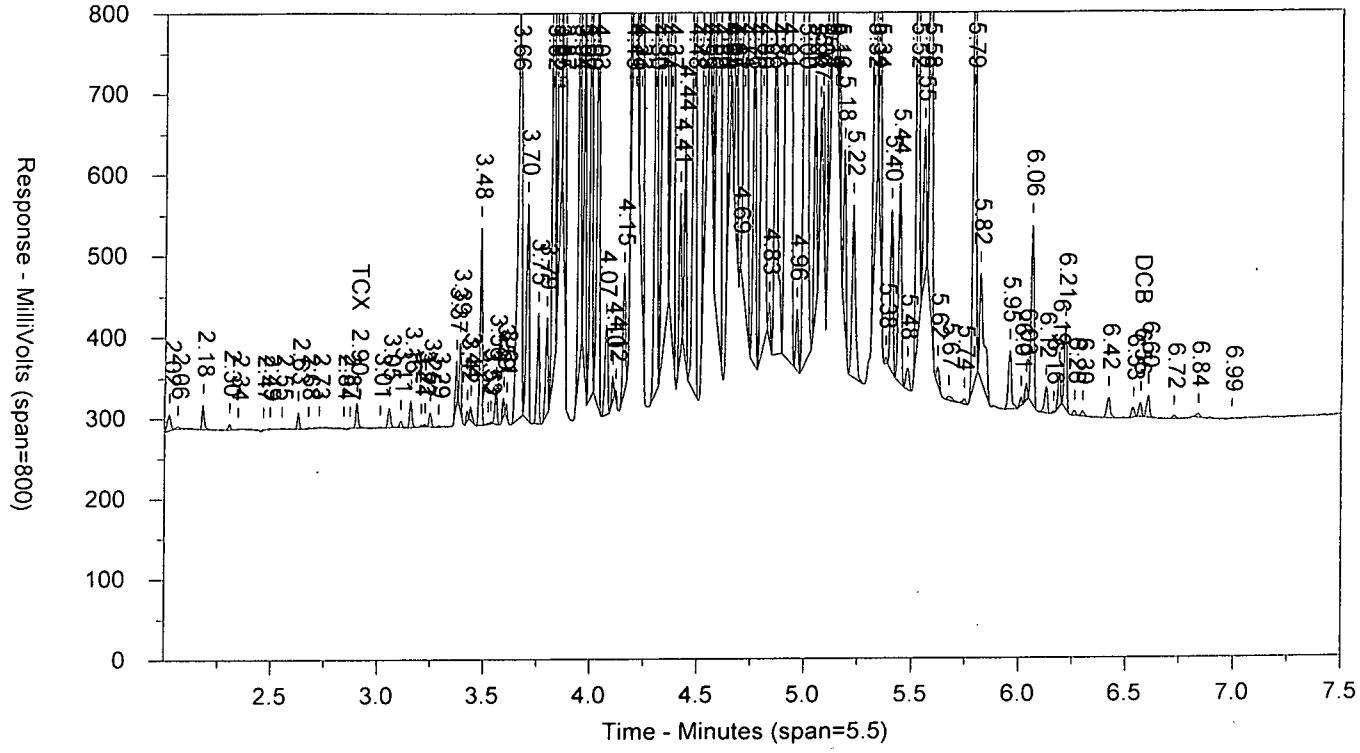

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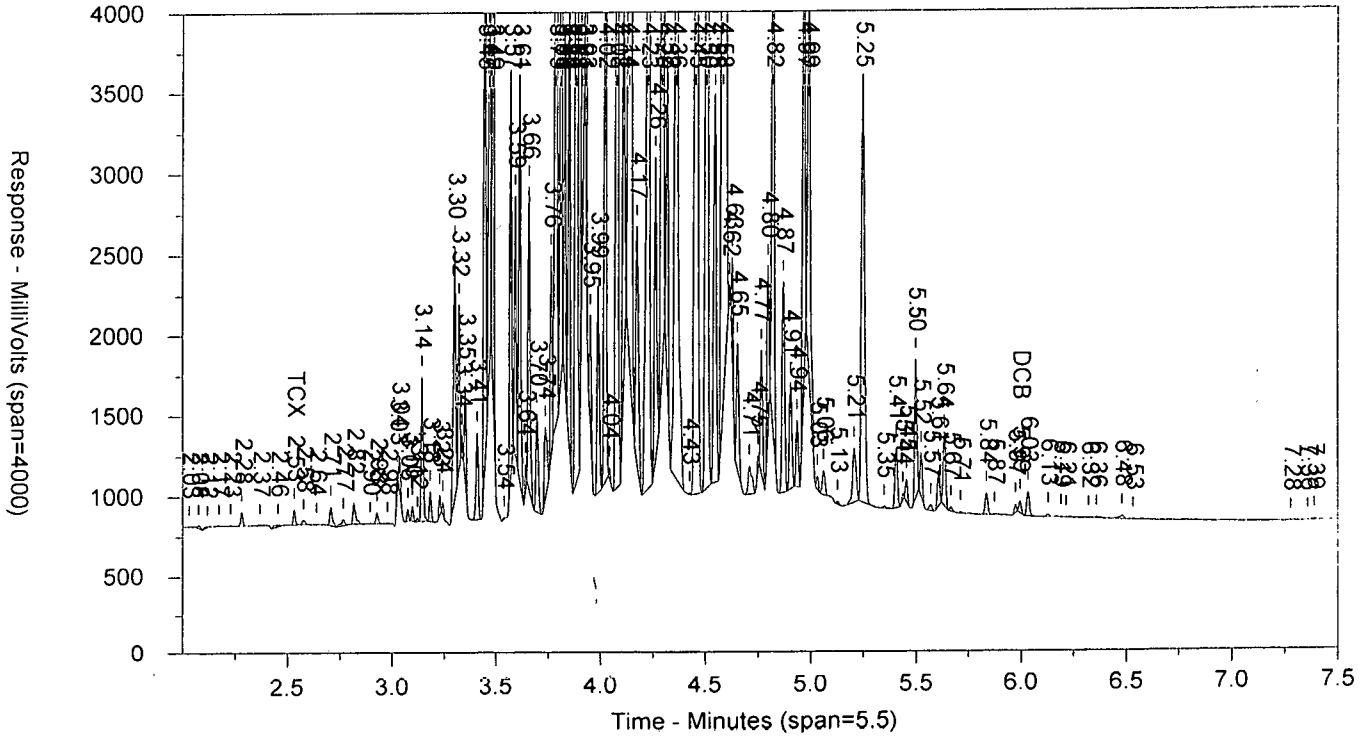

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Data Summary

Sample Name: 9229372 ACF DF50 95A05 Sample ID: AC **Batchnumber:** 172760009A
Sample Amount: 10.2 g Total Volume: 500 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 12:13:26
Instrument	17342A
Result file	20PCBS17275004.070.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 87% (61 - 152) Conc: 25.95311
%SSR(DCB) 97% (48 - 164) Conc: 25.71068

Analysis Report (B)

Injected on	Oct 05, 2017 12:13:26
Instrument	17342B
Result file	20PCBS17275004B.070.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 85% (61 - 152) Conc: 25.51349
%SSR(DCB) 107% (48 - 164) Conc: 28.5712

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	101037	25.95311
Decachlorobiphenyl	6.55	6.57	6.61	67208	25.71068

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	350069	25.51349
Decachlorobiphenyl	5.97	6.00	6.03	274286	28.5712

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	25.95311				1.71	
☑	Tetrachloro-m-xylene-D1	A	25.95311					
☑	Tetrachloro-m-xylene-D2	B	25.51349					
☐	Decachlorobiphenyl	B	28.5712				10.54	
☑	Decachlorobiphenyl-D1	A	25.71068					
☑	Decachlorobiphenyl-D2	B	28.5712					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**30.33**	
4.52	4.53	4.56	832676.8	10485.825155			1
4.58	4.59	4.62	3913746	24489.108364			2
4.70	4.72	4.74	1271324	24389.96047			3
4.79	4.80	4.83	2624713	29585.492158			4
4.98	5.00	5.02	1157590	18309.326453			5
5.10	5.12	5.14	2716158	24480.151261			6

Height summation: **12516207.8**
Concentration CF: **21956.643977** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**33.15**	
4.06	4.08	4.10	3929584	11884.520351			1
4.12	4.14	4.16	13297760	25190.959048			2
4.21	4.23	4.25	6013710	21218.550866			3
4.34	4.36	4.38	6490366	34145.310655			4
4.44	4.46	4.47	3864917	20806.332596			5
4.57	4.59	4.61	9846865	30947.771686			6

Height summation: **43443202**
Concentration CF: **24032.240867** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2500	<485.2941	D1		4	
☑	PCB-1221			<2500	<750	D1		3	
☑	PCB-1232			<2500	<602.9412	D1		4	
☑	PCB-1242			<2500	<602.9412	D1		4	
☑	PCB-1248			<2500	<485.2941	D1		4	
☑	PCB-1254	B	24032.240867	2500	647.0588	D2	9.03	4	
☑	PCB-1260			<2500	<573.5294	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Analytical Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:27

[redacted] [redacted]

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229372** ACF DF50 95A05 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.2 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 12:13:26
Instrument : CP20--17342A
Result file : 20PCBS17275004.070.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 87% (61-152) Conc.: 25.95311
%SSR(DCB) : 97% (48-164) Conc.: 25.71068

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	97.65	
3.14	3.16	3.18	30335.14	496.368449			1
+ 3.36	3.37	3.40	43277.86	661.706886			2
3.36	3.39	3.40	98497.41	1505.999014			2
3.47	3.49	3.51	354074.9	4629.279938			3
3.68	3.71	3.72	393867.7	4438.804346			4
3.74	3.76	3.78	98063.84	1301.146447			5
+ 3.93	3.95	3.97	397510.6	6703.475741			6
3.93	3.97	3.97	629677	10618.646381			6
Height Summation:			**1604515.99**				
Amount Avg CF:			**3831.707429**	Linear:			
Aroclor-1221					3	69.29	
3.04	3.06	3.08	28718.93	976.497133			1
3.09	3.11	3.13	7548.753	288.48537			2
3.14	3.16	3.18	30335.14	366.326096			3
Height Summation:			**66602.823**				
Amount Avg CF:			**543.769533**	Linear:			
Aroclor-1232					6	73.76	
3.14	3.16	3.18	30335.14	424.990837			1
+ 3.36	3.37	3.40	43277.86	1518.391372			2
3.36	3.39	3.40	98497.41	3455.75353			2
E 3.47	3.49	3.51	354074.9	10336.285771			3
3.68	3.71	3.72	393867.7	9639.636378			4
3.74	3.76	3.78	98063.84	2999.21132			5
E 3.93	3.95	3.97	397510.6	12157.572977			6
Height Summation:			**1372349.59**				
Amount Avg CF:			**6502.241802**	Linear:			
Aroclor-1242					6	76.47	
3.14	3.16	3.18	30335.14	354.107233			1
+ 3.35	3.37	3.39	43277.86	480.775719			2
3.35	3.39	3.39	98497.41	1094.212216			2
3.47	3.49	3.51	354074.9	3319.136807			3
3.68	3.71	3.72	393867.7	3152.833048			4
3.74	3.76	3.78	98063.84	904.693172			5
3.93	3.95	3.97	397510.6	4757.644625			6
Height Summation:			**1372349.59**				
Amount Avg CF:			**2263.771183**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 12:13:26
Instrument : CP20--17342B
Result file : 20PCBS17275004B.070.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 85% (61-152) Conc.: 25.51349
%SSR(DCB) : 107% (48-164) Conc.: 28.5712

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	132.44	
2.80	2.82	2.84	110331.4	462.231146			1
3.13	3.14	3.17	1272053	4187.001614			2
3.32	3.32	3.36	1634121	6101.636355			3
+ 3.32	3.35	3.36	1052589	3930.256884			3
3.39	3.41	3.43	404171.8	1335.002274			4
+ 3.45	3.47	3.49	4994146	21755.269185			5
3.45	3.49	3.49	6144774	26767.581975			5
3.55	3.57	3.59	1439823	5359.015095			6
Height Summation:			**11005274.2**				
Amount Avg CF:			**7368.744743**	Linear:			
Aroclor-1221					3	57.12	
2.69	2.71	2.73	130310.6	948.824452			1
2.75	2.77	2.79	34821.54	409.144024			2
2.80	2.82	2.84	110331.4	359.267653			3
Height Summation:			**275463.54**				
Amount Avg CF:			**572.412043**	Linear:			
Aroclor-1232					6	140.04	
2.80	2.82	2.84	110331.4	416.355504			1
3.13	3.14	3.17	1272053	8873.657916			2
E 3.32	3.32	3.36	1634121	12974.293004			3
+ 3.32	3.35	3.36	1052589	8357.152315			3
3.39	3.41	3.43	404171.8	3003.326512			4
E+ 3.45	3.47	3.49	4994146	53389.034265			5
E 3.45	3.49	3.49	6144774	65689.619334			5
E 3.55	3.57	3.59	1439823	12930.803023			6
Height Summation:			**11005274.2**				
Amount Avg CF:			**17314.675882**	Linear:			
Aroclor-1242					6	132.43	
2.80	2.82	2.84	110331.4	350.995503			1
3.13	3.14	3.17	1272053	3269.613736			2
3.32	3.32	3.36	1634121	4578.324656			3
+ 3.32	3.35	3.36	1052589	2949.043658			3
3.39	3.41	3.43	404171.8	1014.032433			4
E+ 3.45	3.47	3.49	4994146	16632.611109			5
E 3.45	3.49	3.49	6144774	20464.687315			5
3.55	3.57	3.59	1439823	4117.414053			6
Height Summation:			**11005274.2**				
Amount Avg CF:			**5632.511283**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229372** ACF DF50 95A05 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.2 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 12:13:26
Instrument : CP20--17342A
Result file : 20PCBS17275004.070.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	95.24	
3.68	3.71	3.72	393867.7	9948.182455			1
3.74	3.76	3.78	98063.84	2197.673424			2
3.81	3.82	3.85	857433.5	10971.871056			3
+ 3.93	3.95	3.97	397510.6	4496.573676			4
3.93	3.97	3.97	629677	7122.801311			4
4.02	4.03	4.06	461210.2	6658.406492			5
+ 4.20	4.21	4.24	393476.7	5931.253248			6
4.20	4.23	4.24	2245007	33841.152627			6
Height Summation:			**4685259.24**				
Amount Avg CF:			**11790.014561**	Linear:			
Aroclor-1254					6	30.33	
4.52	4.53	4.56	832676.8	10485.825155			1
4.58	4.59	4.62	3913746	24489.108364			2
4.70	4.72	4.74	1271324	24389.96047			3
4.79	4.80	4.83	2624713	29585.492158			4
4.98	5.00	5.02	1157590	18309.326453			5
5.10	5.12	5.14	2716158	24480.151261			6
+ 5.10	5.14	5.14	112680	1015.560746			6
Height Summation:			**12516207.8**				
Amount Avg CF:			**21956.643977**	Linear:			
Aroclor-1260					6	69.22	
4.70	4.72	4.74	1271324	10113.922649			1
4.90	4.91	4.94	1888513	13564.673501			2
5.11	5.12	5.15	2716158	16152.972334			3
+ 5.11	5.14	5.15	112680	670.10716			3
5.33	5.35	5.37	285772.8	3168.579136			4
5.57	5.58	5.61	650864.4	3078.240459			5
5.78	5.79	5.82	529436.8	3862.677884			6
Height Summation:			**7342069**				
Amount Avg CF:			**8323.510994**	Linear:			
Aroclor-1262					5	40.64	
5.17	5.18	5.21	195954.6	1291.643077			1
5.33	5.35	5.37	285772.8	2254.414732			2
5.57	5.58	5.61	650864.4	2444.085777			3
5.78	5.79	5.82	529436.8	2863.15448			4
6.20	6.22	6.24	99724.54	975.114896			6
Height Summation:			**1761753.14**				
Amount Avg CF:			**1965.682592**	Linear:			
Aroclor-1268					4	84.50	
5.77	5.79	5.81	529436.8	1563.378572			1
+ 6.03	6.03	6.07	17610.62	264.720587			4
6.03	6.06	6.07	174037.3	2616.106427			4
6.20	6.22	6.24	99724.54	946.29528			5
6.40	6.42	6.44	23502.22	25.014015			6
Height Summation:			**826700.86**				
Amount Avg CF:			**1287.698573**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 12:13:26
Instrument : CP20--17342B
Result file : 20PCBS17275004B.070.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	74.68	
3.32	3.32	3.36	1634121	14159.095579			1
+ 3.32	3.35	3.36	1052589	9120.321112			1
3.39	3.41	3.43	404171.8	2201.205474			2
3.43	3.45	3.47	2795040	8950.653246			3
3.55	3.57	3.59	1439823	3884.141449			4
+ 3.64	3.64	3.68	79904.01	311.711603			5
3.64	3.66	3.68	1572115	6132.939855			5
3.77	3.79	3.81	7944537	20680.131072			6
Height Summation:			**15789807.8**				
Amount Avg CF:			**9334.694446**	Linear:			
Aroclor-1254					6	33.15	
4.06	4.08	4.10	3929584	11884.520351			1
4.12	4.14	4.16	13297760	25190.959048			2
4.21	4.23	4.25	6013710	21218.550866			3
4.34	4.36	4.38	6490366	34145.310655			4
4.44	4.46	4.47	3864917	20806.332596			5
4.57	4.59	4.61	9846865	30947.771686			6
Height Summation:			**43443202**				
Amount Avg CF:			**24032.240867**	Linear:			
Aroclor-1260					6	85.91	
4.34	4.36	4.38	6490366	13219.719268			1
4.44	4.46	4.48	3864917	9520.206186			2
4.57	4.59	4.61	9846865	24455.008004			3
4.78	4.80	4.82	877005.7	2426.121616			4
4.98	4.99	5.01	2326409	3588.63911			5
5.24	5.25	5.28	2104686	4775.964551			6
Height Summation:			**25510248.7**				
Amount Avg CF:			**9664.276456**	Linear:			
Aroclor-1262					6	68.11	
+ 4.60	4.62	4.64	235597.7	474.792896			1
4.60	4.63	4.64	238563.6	480.769985			1
4.78	4.80	4.82	877005.7	1675.320801			2
4.98	4.99	5.01	2326409	2928.84802			3
5.19	5.21	5.23	313746.7	833.899526			4
5.24	5.25	5.28	2104686	3614.714497			5
5.62	5.64	5.66	418353	1276.8388			6
Height Summation:			**6278764**				
Amount Avg CF:			**1801.731938**	Linear:			
Aroclor-1268					6	110.72	
+ 5.19	5.19	5.23	6825.481	6.767			1
5.19	5.21	5.23	313746.7	311.05851			1
5.24	5.25	5.28	2104686	2226.262909			2
5.39	5.41	5.43	257771.1	267.645413			3
5.46	5.46	5.50	103833	403.221975			4
5.62	5.64	5.66	418353	1317.602945			5
5.82	5.84	5.86	120012.9	40.331238			6
Height Summation:			**3318402.7**				
Amount Avg CF:			**761.020498**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229372** ACF DF50 95A05 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.2 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 12:13:26
Instrument : CP20--17342A
Result file : 20PCBS17275004.070.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 12:13:26
Instrument : CP20--17342B
Result file : 20PCBS17275004B.070.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2500	485.2941		** 63.16	4	40	
Aroclor-1221			2500	750		5.13	3	5	
Aroclor-1232			2500	602.9412	E	** 90.80	4	40	
Aroclor-1242			2500	602.9412		** 85.32	4	30	
Aroclor-1248			2500	485.2941		23.25	4	40	
Aroclor-1254			2500	647.0588		9.03	4	40	
Aroclor-1260			2500	573.5294		14.91	4	40	
Aroclor-1262			2500	485.2941		8.70	4	40	
Aroclor-1268			2500	485.2941		** 51.42	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229372 ACF DF50 AC95A05 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 12:13:26 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.070.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.023		8757	9840
2.061		5111	6088
2.116		1334	1338
2.18		12153	11674
2.306		4490	3539
2.347		1527	1416
2.483		573	2030
2.515		1312	1801
2.549		1671	1522
2.584		1387	980
2.628		6147	3730
2.684		1359	2517
2.725		1628	2152
2.904	TCX	101037	76725
3.011		2443	1660
3.056		28719	26428
3.11		7549	7891
3.157		30335	27477
3.207		2709	1498
3.224		2422	1021
3.249		17414	13531
3.292		3201	3551
3.371		43278	24429
3.388		98497	62661
3.424		9062	4862
3.44		9084	7773
3.486		354075	252310
3.523		2356	1871
3.559		34149	31168
3.594		16950	10108
3.609		17629	9214
3.664		699660	934998
3.707		393868	329649
3.755		98064	73588
3.795		201598	144011
3.823		857434	586491
3.85		1563418	1029128
3.872		1784018	1212092
3.946		397511	274492
3.97		629677	439538
4		992239	731199
4.034		461210	410053
4.077		101475	97619
4.107		52543	33079
4.122		13333	6986
4.157		163846	122607
4.192		1521021	1019982
4.21		393477	198784
4.234		2245007	1815267
4.303		746685	598436
4.344		2405794	2668954
4.379		1562077	1295468
4.419		258821	180722
4.441		213963	150197

RT A	Compound A	Height A	Area A
4.462		3867	1314
4.482		701353	575888
4.531		832677	748950
4.563		192478	118584
4.593		3913746	3207573
4.642		253025	194357
4.656		50231	22131
4.675		182421	120865
4.696		29540	11824
4.716		1271324	1149528
4.763		392545	336378
4.802		2624713	2408042
4.833		20865	11232
4.862		346895	348854
4.914		1888513	2401464
4.964		68416	54814
5.001		1157590	1164637
5.047		177206	135842
5.073		34624	26308
5.084		115376	76053
5.118		2716158	2375942
5.142		112680	53405
5.161		83688	47998
5.185		195955	156444
5.227		165997	188294
5.325		567304	465030
5.348		285773	212508
5.382		23036	16818
5.405		134859	105903
5.442		183793	179653
5.481		16374	17068
5.523		476309	427435
5.559		123737	100412
5.585		650864	593372
5.622		16609	13021
5.688		4517	6542
5.746		5453	6743
5.791		529437	502049
5.821		94990	158692
5.887		1808	1470
5.956		54690	64682
6.011		7286	5067
6.033		17611	11656
6.061		174037	161657
6.127		25538	25063
6.163		2797	1821
6.19		30259	24330
6.218		99725	90191
6.263		8209	14784
6.421		23502	21142
6.514		352	1730
6.538		6950	5649
6.571	DCB	67208	67513
6.607		18862	21165
6.734		103513	274204
6.844		24162	59210
6.993		1625	1180
7.061		5381	11324
7.228		5127	16573
7.329		1189	1475
7.501		3690	9055
7.575		1601	3221
7.629		1451	1725
7.751		1122	3457
7.907		8569	30677
8.158		1234	7358

RT A	Compound A	Height A	Area A
8.276		774	624
8.369		4351	11252
8.515		7601	17817
8.606		969	890

LANCASTER LABORATORIES

Sample Number: 9229372 ACF DF50 AC95A05 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 12:13:26 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.070.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.033		4390	3867
2.076		21659	25690
2.112		7209	9507
2.173		11190	20479
2.222		6017	5667
2.283		21785	18222
2.335		3020	3381
2.388		4341	6294
2.493		2467	50272
2.533	TCX	350069	225897
2.579		26291	26657
2.637		12300	18977
2.708		130311	157455
2.77		34822	59275
2.819		110331	114396
2.868		3624	1629
2.929		70238	84359
2.986		5417	5209
3.027		63519	38730
3.037		281881	149121
3.077		54398	33484
3.098		48527	27566
3.123		8708	3879
3.144		1272053	836282
3.184		117686	85683
3.231		105306	56828
3.245		57148	27201
3.304		2109597	1549261
3.324		1634121	1013015
3.354		1052589	611893
3.411		404172	325716
3.448		2795041	1821702
3.47		4994146	2662429
3.488		6144774	3392598
3.573		1439823	858770
3.596		2151834	1223669
3.616		3461806	2236778
3.645		79904	37736
3.661		1572115	1048196
3.699		522286	416666
3.747		344273	367556
3.768		793079	450229
3.789		7944537	5050686
3.813		5942507	3444121
3.832		2339883	1207410
3.853		2549663	1566955
3.887		8557338	5919583
3.918		5477111	3260474
3.933		1246703	564621
3.956		1101469	669879
3.993		1101611	813346
4.026		2643625	1818013
4.047		119209	58517
4.081		3929584	2893630

RT B	Compound B	Height B	Area B
4.114		1331699	1093649
4.14		13297760	10131140
4.177		1084372	951360
4.229		6013711	5389829
4.266		1579108	1227470
4.297		7928002	5624807
4.321		1562816	1080750
4.363		6490366	5790487
4.424		46435	48025
4.458		3864917	4309873
4.509		3916398	3281151
4.55		1791210	1537667
4.586		9846865	8726127
4.619		235598	100726
4.63		238564	126222
4.657		667839	514990
4.712		114556	146832
4.753		90260	52615
4.771		543142	378440
4.802		877006	612330
4.824		2386338	1805734
4.875		1031294	889730
4.909		525755	429326
4.941		341448	254438
4.972		2043493	1560920
4.995		2326409	1921785
5.037		69889	47695
5.066		94467	80772
5.103		97102	101238
5.188		6825	4927
5.21		313747	316169
5.252		2104686	2292837
5.356		8586	7213
5.374		5961	3587
5.41		257771	214483
5.441		29944	19100
5.458		103833	71930
5.503		637758	509719
5.528		229348	175410
5.576		29677	33931
5.611		162387	121629
5.639		418353	344467
5.671		26747	21569
5.717		15395	21546
5.84		120013	106936
5.902		5163	9907
5.977		25861	14957
5.998	DCB	274286	226364
6.036		111600	101426
6.09		4378	4575
6.13		14383	26851
6.195		6408	3496
6.215		15410	11217
6.326		7271	8205
6.363		10508	25560
6.485		48456	81629
6.533		4875	5476
6.585		6647	14658
6.752		9102	28286
6.837		2458	1056
6.97		4252	10102
7.073		4145	8973
7.198		6526	19659
7.272		2457	1058
7.396		15325	17533
7.425		3880	3164

RT B	Compound B	Height B	Area B
7.559		3212	2556
7.573		2700	2667
7.68		5468	16817
7.734		3304	4117
7.793		2304	583
7.834		19998	33729
8.017		14827	41807
8.073		3056	1069
8.127		2322	926
8.213		2378	4908
8.346		4746	8799
8.375		2407	889
8.564		3064	10027
8.654		2536	1335
8.674		8643	11023

9229372 ACF DF50 AC95A05 T 172760009A 10225 **SW-846 8082**

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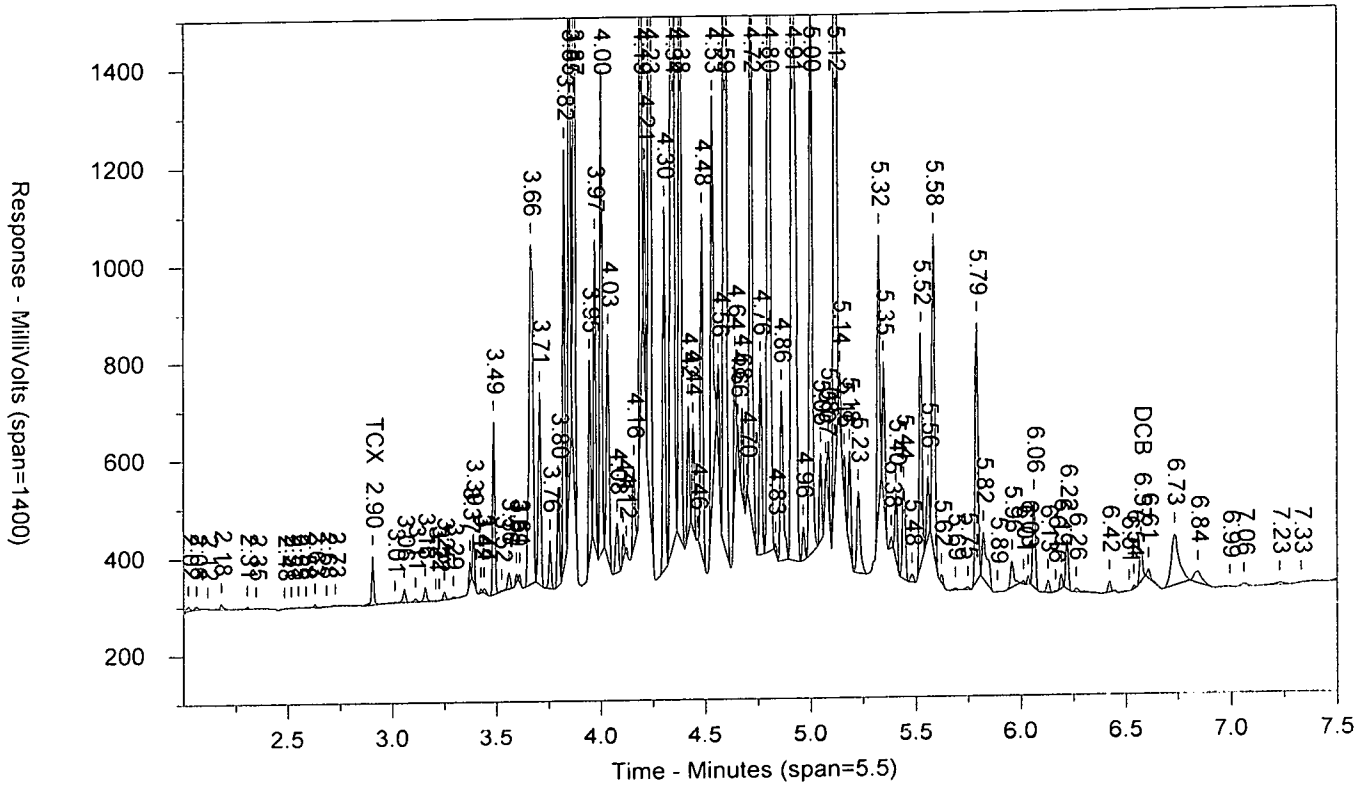

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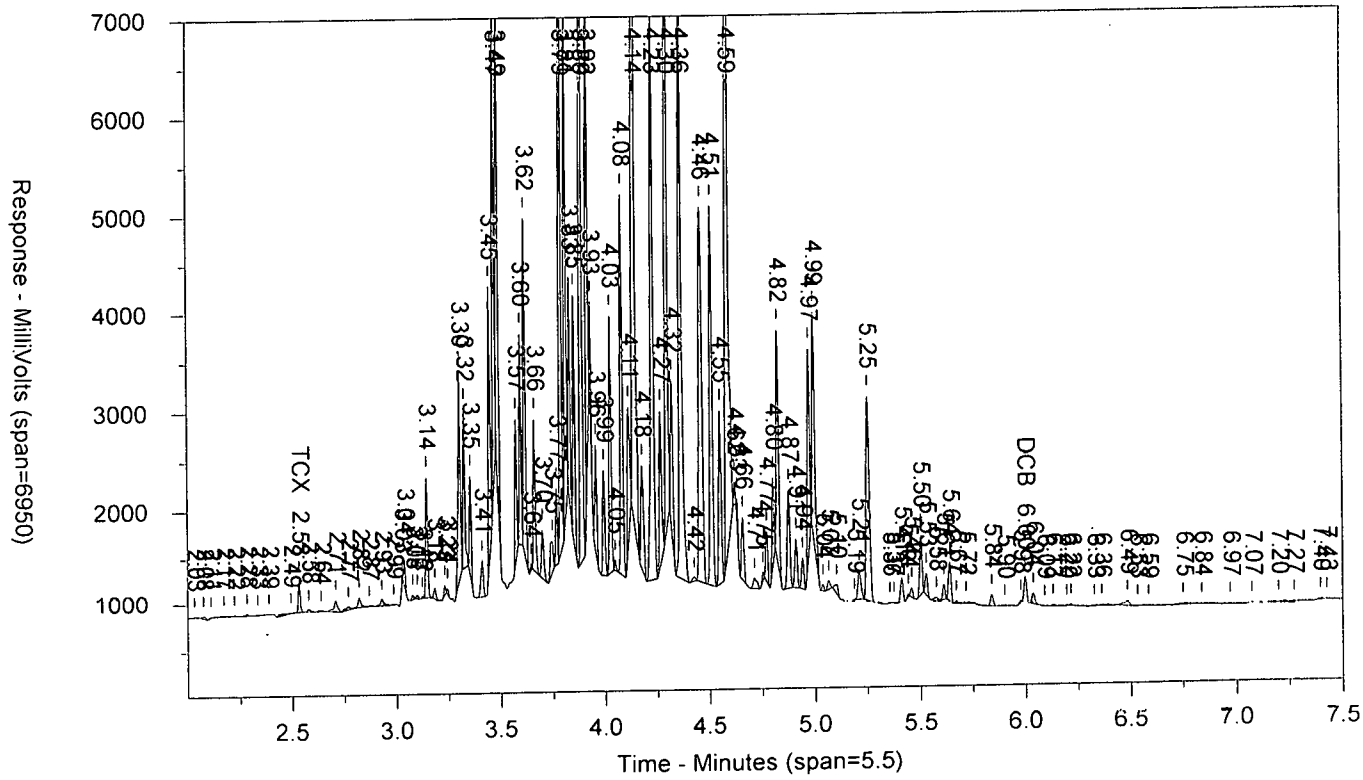

LANCASTER LABORATORIES

Sample Number: 9229372 ACF DF50 AC95A05 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 12:13:26 PM Sample Weight: 10.2
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	101037	25.953	TCX	2.533	350069	25.513	TCX
6.571	67208	25.711	DCB	5.998	274286	28.571	DCB

Files:
Area File: 20PCBs17275004.070.RAW
Area File: 20PCBs17275004B.070.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 12:22:08 PM
File Reported On: 10/5/2017 at 12:22:23 PM

9229372 ACF DF50 AC95A05 T 172760009A 10225 SW-846 8082

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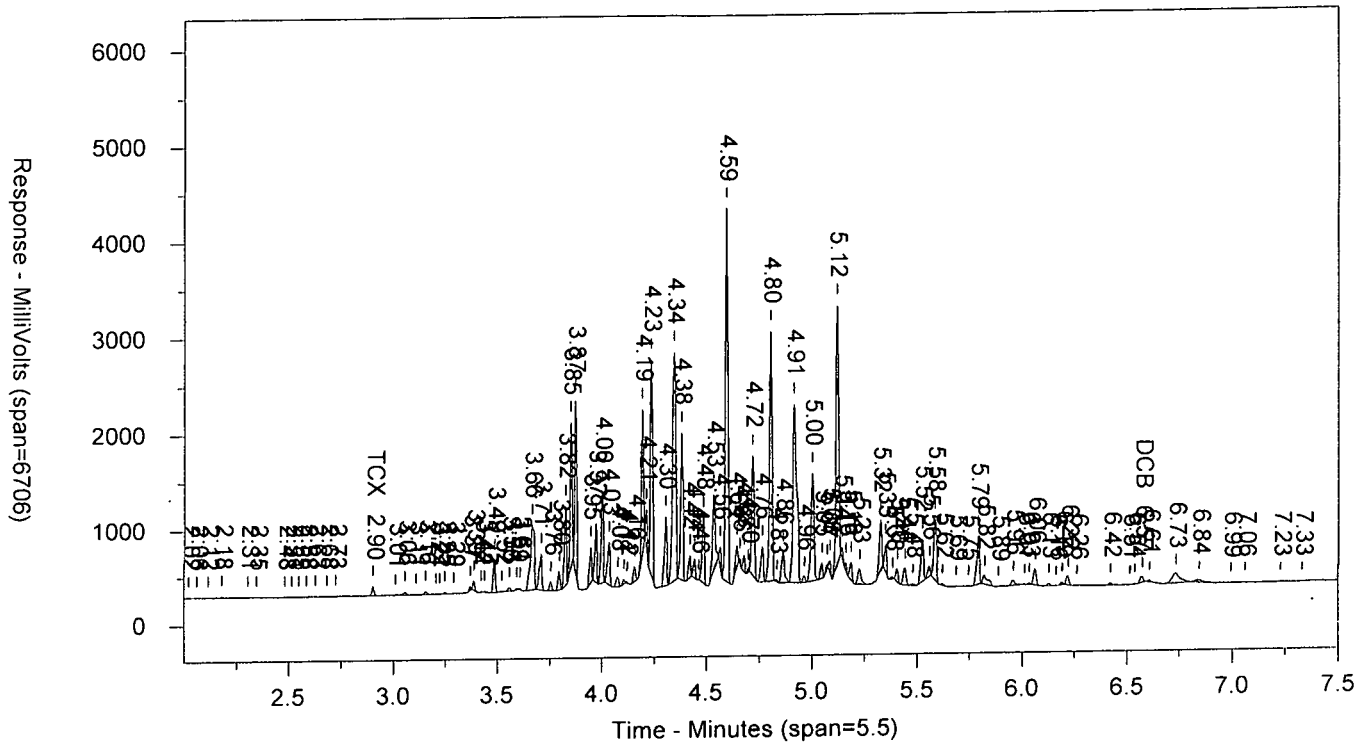

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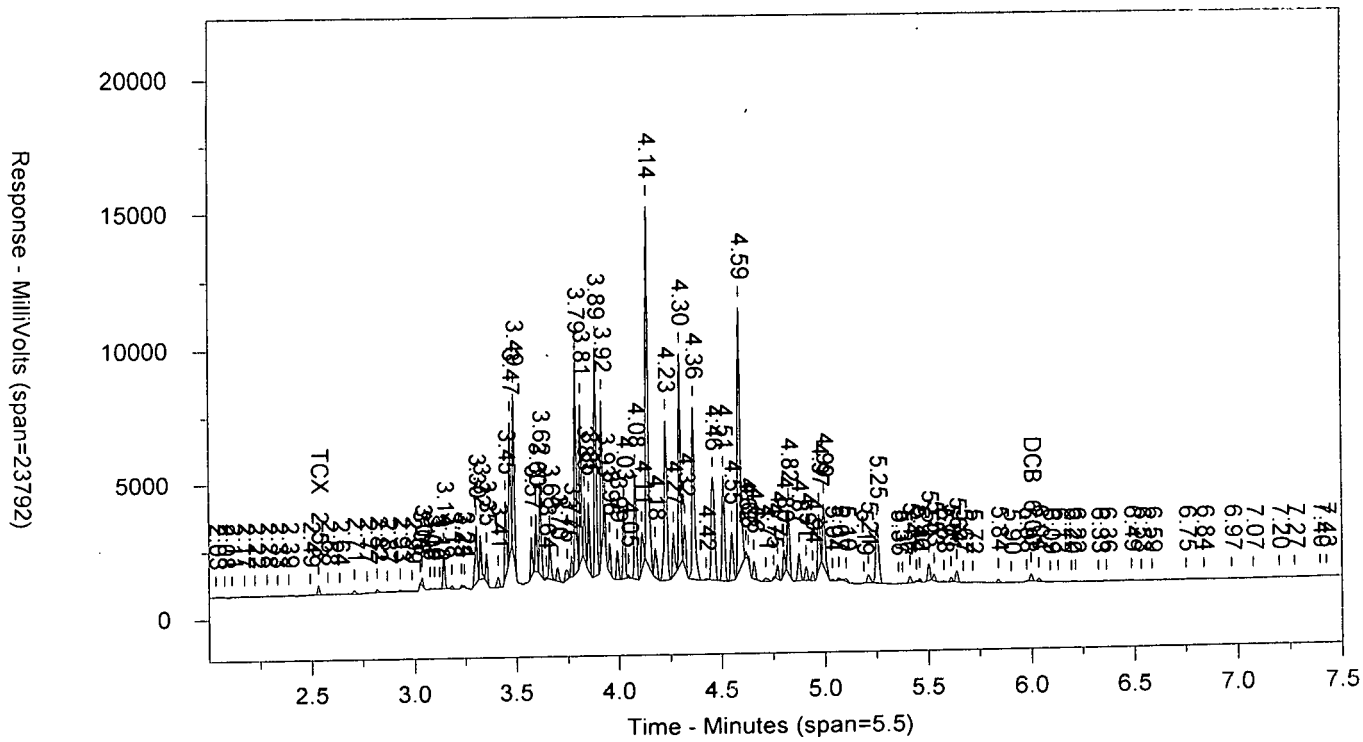

9229372 ACF DF50 AC95A05 T 172760009A 10225 SW-846 8082

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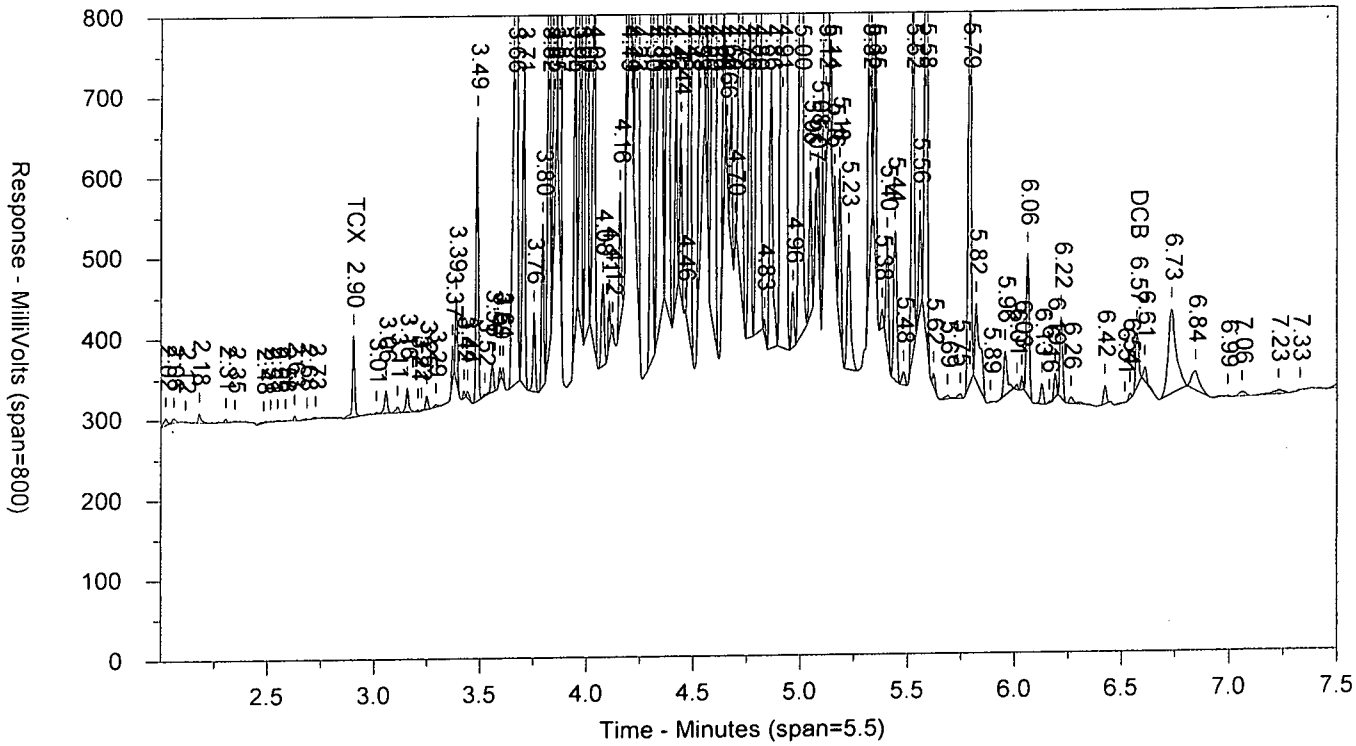

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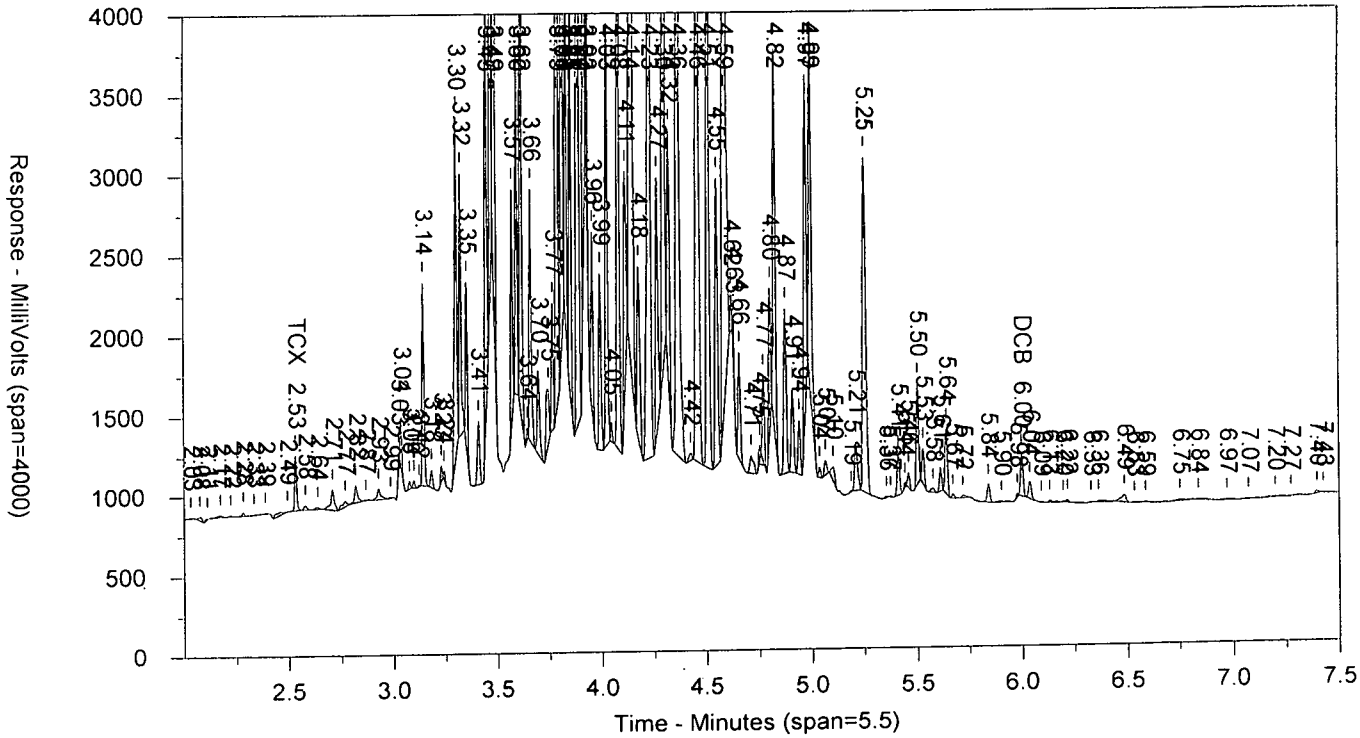

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Data Summary

Sample Name: 9229373 ACF DF20 95A06 Sample ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.26 g Total Volume: 200 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 12:24:53
Instrument	17342A
Result file	20PCBS17275004.071.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 92% (61 - 152) Conc: 27.51488
%SSR(DCB) 106% (48 - 164) Conc: 27.94367

Analysis Report (B)

Injected on	Oct 05, 2017 12:24:53
Instrument	17342B
Result file	20PCBS17275004B.071.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 95% (61 - 152) Conc: 28.30235
%SSR(DCB) 125% (48 - 164) Conc: 32.99247

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	269368	27.51488	Tetrachloro-m-xylene	2.50	2.53	2.56	976549	28.30235
Decachlorobiphenyl	6.55	6.57	6.61	183688	27.94367	Decachlorobiphenyl	5.97	6.00	6.03	796484	32.99247

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	28.30235				2.82	
☑	Tetrachloro-m-xylene-D1	A	27.51488					
☑	Tetrachloro-m-xylene-D2	B	28.30235					
☐	Decachlorobiphenyl	B	32.99247				16.57	
☑	Decachlorobiphenyl-D1	A	27.94367					
☑	Decachlorobiphenyl-D2	B	32.99247					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**21.60**	
4.52	4.53	4.56	774547.3	3878.706286			1
4.58	4.59	4.62	2584628	6431.187675			2
4.70	4.72	4.74	886314.8	6761.696204			3
4.79	4.80	4.83	1783252	7993.233466			4
4.98	5.00	5.02	949319	5970.938213			5
5.10	5.12	5.14	1866007	6687.828665			6

Height summation: **8844068.1**
Concentration CF: **6287.265085** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						26.60	
4.06	4.08	4.10	3386772	4073.182271			1
4.12	4.14	4.16	9116247	6867.443537			2
4.21	4.23	4.25	4338638	6087.506767			3
4.34	4.36	4.38	4311616	9020.170726			4
4.44	4.46	4.47	2818585	6033.916605			5
4.57	4.59	4.61	6752003	8438.724902			6

Height summation: **30723861**
Concentration CF: **6753.490801** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<994.152	<192.9825	D1		4	
☑	PCB-1221			<994.152	<298.2456	D1		3	
☑	PCB-1232			<994.152	<239.7661	D1		4	
☑	PCB-1242			<994.152	<239.7661	D1		4	
☑	PCB-1248			<994.152	<192.9825	D1		4	
☑	PCB-1254	B	6753.490801	994.152	257.3099	D2	7.15	4	
☑	PCB-1260			<994.152	<228.0702	D1		4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:29

[redacted]

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229373** ACF DF20 95A06 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.26 g Total Volume: 200 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 12:24:53
Instrument : CP20--17342A
Result file : 20PCBS17275004.071.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 92% (61-152) Conc.: 27.51488
%SSR(DCB) : 106% (48-164) Conc.: 27.94367

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	106.92	
3.14	3.16	3.18	21604.66	140.578337			1
+ 3.36	3.37	3.40	37255.45	226.517882			2
3.36	3.39	3.40	56576.84	343.994395			2
3.47	3.49	3.51	154102.1	801.197641			3
3.68	3.71	3.72	165084.1	739.832975			4
3.74	3.76	3.78	71056.62	374.916568			5
3.93	3.95	3.97	380705.1	2553.011818			6
+ 3.93	3.97	3.97	289449.1	1941.048263			6
Height Summation:			**849129.42**				
Amount Avg CF:			**825.588622**	Linear:			
Aroclor-1221					3	47.87	
3.04	3.06	3.08	16444.39	222.348031			1
3.09	3.11	3.13	6808.907	103.475798			2
3.14	3.16	3.18	21604.66	103.748564			3
Height Summation:			**44857.957**				
Amount Avg CF:			**143.190797**	Linear:			
Aroclor-1232					6	97.19	
3.14	3.16	3.18	21604.66	120.363221			1
+ 3.36	3.37	3.40	37255.45	519.781198			2
3.36	3.39	3.40	56576.84	789.349683			2
3.47	3.49	3.51	154102.1	1788.919203			3
3.68	3.71	3.72	165084.1	1606.676101			4
3.74	3.76	3.78	71056.62	864.202501			5
E 3.93	3.95	3.97	380705.1	4630.199121			6
+ 3.93	3.97	3.97	289449.1	3520.328381			6
Height Summation:			**849129.42**				
Amount Avg CF:			**1633.284972**	Linear:			
Aroclor-1242					6	106.68	
3.14	3.16	3.18	21604.66	100.288014			1
+ 3.35	3.37	3.39	37255.45	164.580874			2
3.35	3.39	3.39	56576.84	249.935668			2
3.47	3.49	3.51	154102.1	574.44886			3
3.68	3.71	3.72	165084.1	525.495082			4
3.74	3.76	3.78	71056.62	260.681232			5
3.93	3.95	3.97	380705.1	1811.944045			6
Height Summation:			**849129.42**				
Amount Avg CF:			**587.13215**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 12:24:53
Instrument : CP20--17342B
Result file : 20PCBS17275004B.071.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 28.30235
%SSR(DCB) : 125% (48-164) Conc.: 32.99247

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	112.41	
2.80	2.83	2.84	93112.12	155.124035			1
3.13	3.14	3.17	559502.9	732.340523			2
3.32	3.32	3.36	661673.6	982.468691			3
+ 3.32	3.34	3.36	90973.43	135.079512			3
+ 3.32	3.35	3.36	376485	559.013878			3
3.39	3.41	3.43	297658	390.972633			4
3.45	3.47	3.49	2689934	4659.696744			5
+ 3.45	3.49	3.49	2442316	4230.755072			5
3.55	3.57	3.59	1404616	2078.960735			6
Height Summation:			**5706496.62**				
Amount Avg CF:			**1499.927227**	Linear:			
Aroclor-1221					3	45.35	
2.69	2.71	2.73	74733.14	216.387493			1
+ 2.75	2.75	2.79	16310.81	76.210809			2
2.75	2.77	2.79	19813.3	92.575881			2
2.80	2.83	2.84	93112.12	120.569651			3
Height Summation:			**187658.56**				
Amount Avg CF:			**143.177675**	Linear:			
Aroclor-1232					6	120.04	
2.80	2.83	2.84	93112.12	139.728243			1
3.13	3.14	3.17	559502.9	1552.074702			2
3.32	3.32	3.36	661673.6	2089.084948			3
+ 3.32	3.34	3.36	90973.43	287.228058			3
+ 3.32	3.35	3.36	376485	1188.666355			3
3.39	3.41	3.43	297658	879.562901			4
E 3.45	3.47	3.49	2689934	11435.2393			5
E+ 3.45	3.49	3.49	2442316	10382.584816			5
E 3.55	3.57	3.59	1404616	5016.33813			6
Height Summation:			**5706496.62**				
Amount Avg CF:			**3518.671371**	Linear:			
Aroclor-1242					6	112.42	
2.80	2.83	2.84	93112.12	117.793531			1
3.13	3.14	3.17	559502.9	571.881947			2
3.32	3.32	3.36	661673.6	737.189234			3
+ 3.32	3.34	3.36	90973.43	101.356066			3
+ 3.32	3.35	3.36	376485	419.452565			3
3.39	3.41	3.43	297658	296.972475			4
3.45	3.47	3.49	2689934	3562.489766			5
+ 3.45	3.49	3.49	2442316	3234.549902			5
3.55	3.57	3.59	1404616	1597.297637			6
Height Summation:			**5706496.62**				
Amount Avg CF:			**1147.270765**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229373** ACF DF20 95A06 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.26 g Total Volume: 200 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 12:24:53
Instrument : CP20--17342A
Result file : 20PCBS17275004.071.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**80.50**	
3.68	3.71	3.72	165084.1	1658.102689			1
3.74	3.76	3.78	71056.62	633.244765			2
3.81	3.82	3.85	677895.6	3449.497742			3
3.93	3.95	3.97	380705.1	1712.515444			4
+ 3.93	3.97	3.97	289449.1	1302.02105			4
4.02	4.03	4.06	288690.1	1657.357107			5
+ 4.20	4.21	4.24	358735.5	2150.376996			6
4.20	4.23	4.24	1069838	6412.956133			6
Height Summation:			**2653269.52**				
Amount Avg CF:			**2587.27898**	Linear:			
Aroclor-1254					**6**	**21.60**	
4.52	4.53	4.56	774547.3	3878.706286			1
4.58	4.59	4.62	2584628	6431.187675			2
4.70	4.72	4.74	886314.8	6761.696204			3
4.79	4.80	4.83	1783252	7993.233466			4
4.98	5.00	5.02	949319	5970.938213			5
5.10	5.12	5.14	1866007	6687.828665			6
+ 5.10	5.14	5.14	86766.7	310.974623			6
Height Summation:			**8844068.1**				
Amount Avg CF:			**6287.265085**	Linear:			
Aroclor-1260					**6**	**69.30**	
4.70	4.72	4.74	886314.8	2803.910751			1
4.90	4.91	4.94	1238642	3537.919691			2
5.11	5.12	5.15	1866007	4412.893951			3
+ 5.11	5.14	5.15	86766.7	205.19336			3
5.33	5.35	5.37	175457.8	773.622603			4
5.57	5.59	5.61	467563.7	879.357786			5
5.78	5.79	5.82	366848.6	1064.324444			6
Height Summation:			**5000833.9**				
Amount Avg CF:			**2245.338204**	Linear:			
Aroclor-1262					**5**	**44.52**	
5.17	5.19	5.21	123039.5	322.510915			1
5.33	5.35	5.37	175457.8	550.425323			2
5.57	5.59	5.61	467563.7	698.19947			3
5.78	5.79	5.82	366848.6	788.915201			4
6.20	6.22	6.24	64615.02	251.246508			6
Height Summation:			**1197524.62**				
Amount Avg CF:			**522.259483**	Linear:			
Aroclor-1268					**4**	**83.57**	
5.77	5.79	5.81	366848.6	430.774214			1
+ 6.03	6.04	6.07	10569.06	63.177471			4
6.03	6.06	6.07	113889.9	680.786734			4
6.20	6.22	6.24	64615.02	243.820893			5
6.40	6.42	6.44	19893.26	8.419635			6
Height Summation:			**565246.78**				
Amount Avg CF:			**340.950369**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 12:24:53
Instrument : CP20--17342B
Result file : 20PCBS17275004B.071.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**78.10**	
3.32	3.32	3.36	661673.6	2279.858597			1
+ 3.32	3.34	3.36	90973.43	313.457506			1
+ 3.32	3.35	3.36	376485	1297.214463			1
3.39	3.41	3.43	297658	644.651411			2
3.43	3.45	3.47	2345128	2986.386815			3
3.55	3.57	3.59	1404616	1506.802541			4
+ 3.64	3.65	3.68	88224.4	136.862954			5
3.64	3.66	3.68	1019843	1582.08756			5
3.77	3.79	3.81	6056599	6269.404883			6
Height Summation:			**11785517.6**				
Amount Avg CF:			**2544.865301**	Linear:			
Aroclor-1254					**6**	**26.60**	
4.06	4.08	4.10	3386772	4073.182271			1
4.12	4.14	4.16	9116247	6867.443537			2
4.21	4.23	4.25	4338638	6087.506767			3
4.34	4.36	4.38	4311616	9020.170726			4
4.44	4.46	4.47	2818585	6033.916605			5
4.57	4.59	4.61	6752003	8438.724902			6
Height Summation:			**30723861**				
Amount Avg CF:			**6753.490801**	Linear:			
Aroclor-1260					**6**	**84.88**	
4.34	4.36	4.38	4311616	3492.254792			1
4.44	4.46	4.48	2818585	2760.896468			2
4.57	4.59	4.61	6752003	6668.301909			3
4.78	4.80	4.82	639114.2	703.074619			4
4.98	4.99	5.01	1530318	938.724614			5
5.24	5.25	5.28	1483784	1338.928138			6
Height Summation:			**17535420.2**				
Amount Avg CF:			**2650.363423**	Linear:			
Aroclor-1262					**6**	**62.55**	
+ 4.60	4.62	4.64	120924.4	96.908062			1
4.60	4.63	4.64	273558.2	219.227841			1
4.78	4.80	4.82	639114.2	485.497317			2
4.98	4.99	5.01	1530318	766.134917			3
5.19	5.21	5.23	214792	227.020703			4
5.24	5.25	5.28	1483784	1013.374973			5
5.62	5.64	5.66	289158.4	350.947214			6
Height Summation:			**4430724.8**				
Amount Avg CF:			**510.367161**	Linear:			
Aroclor-1268					**6**	**109.00**	
5.19	5.21	5.23	214792	84.68253			1
5.24	5.25	5.28	1483784	624.126502			2
5.39	5.41	5.43	200440.4	82.760602			3
5.46	5.46	5.50	78362.2	121.011937			4
5.62	5.64	5.66	289158.4	362.151497			5
5.82	5.84	5.86	92746.7	12.394382			6
Height Summation:			**2359283.7**				
Amount Avg CF:			**214.521242**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229373** ACF DF20 95A06 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.26 g Total Volume: 200 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 12:24:53
Instrument : CP20--17342A
Result file : 20PCBS17275004.071.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 12:24:53
Instrument : CP20--17342B
Result file : 20PCBS17275004B.071.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			994.152	192.9825		** 57.99	4	40	
Aroclor-1221			994.152	298.2456		0.01	3	5	
Aroclor-1232			994.152	239.7661	E	** 73.19	4	40	
Aroclor-1242			994.152	239.7661		** 64.59	4	30	
Aroclor-1248			994.152	192.9825		1.65	4	40	
Aroclor-1254			994.152	257.3099		7.15	4	40	
Aroclor-1260			994.152	228.0702		16.55	4	40	
Aroclor-1262			994.152	192.9825		2.30	4	40	
Aroclor-1268			994.152	192.9825		** 45.52	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229373 ACF DF20 AC95A06 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 12:24:53 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.071.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.023		14579	15696
2.061		4245	5451
2.116		2521	1465
2.181		20850	18128
2.304		9879	7811
2.345		1346	1068
2.372		1684	927
2.465		1409	1171
2.494		1184	913
2.551		1160	1153
2.585		1749	1378
2.61		1213	504
2.627		9659	6027
2.676		1933	2327
2.847		1298	793
2.904	TCX	269368	184036
3.012		2415	1720
3.056		16444	14649
3.109		6809	7795
3.156		21605	18006
3.223		15368	14200
3.249		11479	8611
3.288		2463	3350
3.33		1657	1273
3.37		37255	20725
3.387		56577	33690
3.424		7537	3863
3.44		8308	6810
3.486		154102	107976
3.538		983	439
3.56		22409	17330
3.594		13610	7770
3.609		11618	5942
3.664		303457	411624
3.706		165084	156959
3.755		71057	53542
3.795		78021	56347
3.823		677896	485994
3.849		795027	522733
3.872		717137	463735
3.946		380705	265378
3.969		289449	198928
4		412920	303935
4.033		288690	252405
4.075		59364	53477
4.106		16948	10816
4.12		6018	3422
4.157		84246	62343
4.192		1058713	739183
4.209		358736	183255
4.234		1069838	868390
4.302		434865	360867
4.344		1681493	1857960
4.378		969634	785786

RT A	Compound A	Height A	Area A
4.418		113614	81305
4.44		137399	97571
4.482		544478	468824
4.531		774547	658644
4.562		183879	116205
4.592		2584628	2211132
4.641		169119	116110
4.655		36534	16855
4.675		178772	124575
4.696		11885	4387
4.717		886315	823782
4.763		227654	201053
4.803		1783252	1672418
4.834		21166	12853
4.862		228927	237341
4.913		1238643	1661520
4.965		42833	34085
5		949319	960157
5.047		129957	102560
5.072		42579	25825
5.085		74476	47673
5.119		1866007	1665013
5.142		86767	41763
5.16		66646	40382
5.185		123040	98604
5.227		118287	132436
5.325		424671	361291
5.348		175458	133564
5.382		22283	17998
5.404		86601	64249
5.442		134389	127264
5.481		14039	16590
5.524		348348	318930
5.56		87233	78217
5.585		467564	404111
5.623		10698	9074
5.688		3514	5712
5.748		3814	4101
5.791		366849	346283
5.821		52008	38206
5.89		1601	2562
5.957		38070	33996
6.011		5918	4258
6.036		10569	7513
6.062		113890	106674
6.128		17463	17142
6.164		1203	698
6.19		19944	15984
6.218		64615	60629
6.264		4529	4154
6.305		3128	3693
6.421		19893	22556
6.538		5375	4885
6.57	DCB	183688	181570
6.606		12227	11986
6.689		634	353
6.73		2948	6069
6.844		13214	24698
7.021		1089	899
7.157		1183	2988
7.265		1003	1264
7.434		1570	2901
7.503		2063	2774
7.693		1892	2996
7.905		8167	16335
8.105		553	2195

RT A	Compound A	Height A	Area A
8.157		886	572
8.361		3461	5861
8.517		7845	18558
8.603		699	774

LANCASTER LABORATORIES

Sample Number: 9229373 ACF DF20 AC95A06 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 12:24:53 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.071.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.023		2395	1804
2.036		7088	4599
2.079		14433	14139
2.135		3936	14931
2.176		5751	11747
2.282		45577	35449
2.367		3017	1277
2.459		9594	18270
2.533	TCX	976549	621414
2.577		18635	20358
2.626		3798	1899
2.708		74733	80581
2.751		16311	11103
2.768		19813	13750
2.829		93112	132257
2.867		6871	6469
2.907		2573	1146
2.929		43241	42468
2.985		4348	3415
3.026		79332	40274
3.036		144166	70409
3.076		39081	23971
3.098		42567	26631
3.12		10790	5021
3.144		559503	391629
3.184		97369	71035
3.23		75796	42123
3.245		55721	27590
3.304		985104	758117
3.324		661674	346063
3.338		90973	31135
3.354		376485	207656
3.411		297658	222211
3.448		2345128	1486237
3.47		2689934	1455988
3.488		2442316	1356705
3.545		5985	5329
3.573		1404616	860129
3.595		1069607	610031
3.616		1539833	1008833
3.645		88224	40284
3.661		1019843	651460
3.7		318500	248160
3.74		232961	208543
3.768		667436	371706
3.789		6056599	3802791
3.813		2911392	1700016
3.832		1220073	649995
3.853		1604142	990447
3.887		5955011	4049325
3.917		3205040	1986267
3.933		877221	387421
3.956		470800	271594
3.993		686069	484070

RT B	Compound B	Height B	Area B
4.026		2039481	1421196
4.047		45602	20673
4.081		3386772	2508536
4.114		1142943	880396
4.14		9116247	6822412
4.177		767844	683179
4.229		4338638	3739582
4.266		973432	752951
4.297		5805390	4073472
4.321		991881	710139
4.363		4311616	3913390
4.426		24692	25058
4.457		2818585	3198288
4.509		3234426	2735440
4.549		1255153	1109540
4.586		6752003	6224053
4.618		120924	46156
4.631		273558	141608
4.656		456585	369423
4.712		77031	97115
4.753		56589	32594
4.771		365266	262627
4.802		639114	422572
4.824		1870663	1417236
4.875		709729	617168
4.909		362420	312939
4.94		229401	172847
4.972		1569176	1166289
4.995		1530318	1304936
5.038		44248	33311
5.066		64177	51027
5.102		109586	126957
5.187		5899	3945
5.211		214792	219950
5.252		1483784	1609030
5.354		6622	3982
5.379		5207	3564
5.411		200440	168522
5.441		20421	11819
5.457		78362	53993
5.503		417488	334722
5.528		166332	124428
5.575		20059	20060
5.613		109699	83152
5.639		289158	235737
5.671		17687	16638
5.753		4948	5925
5.839		92747	82908
5.999	DCB	796484	749106
6.037		70822	58239
6.093		3911	3804
6.13		8069	7298
6.166		4068	2663
6.196		14756	11765
6.24		3122	2789
6.284		2345	2345
6.324		7097	8839
6.367		4044	8325
6.426		2639	1569
6.487		44906	71981
6.675		6287	10661
6.75		1403	804
6.79		3863	7340
6.898		10533	15248
7.002		3617	6536
7.156		7241	24327

RT B	Compound B	Height B	Area B
7.308		7309	15024
7.396		30156	36697
7.458		5834	12147
7.533		3143	4251
7.56		1809	596
7.632		2678	6265
7.677		2598	1353
7.742		3017	4084
7.832		22195	44679
8.013		13346	24900
8.178		1541	11203
8.224		1342	3202
8.347		6738	12353
8.574		3859	9453
8.676		3861	8032

9229373 ACF DF20 AC95A06 T 172760009A 10225 SW-846 8082

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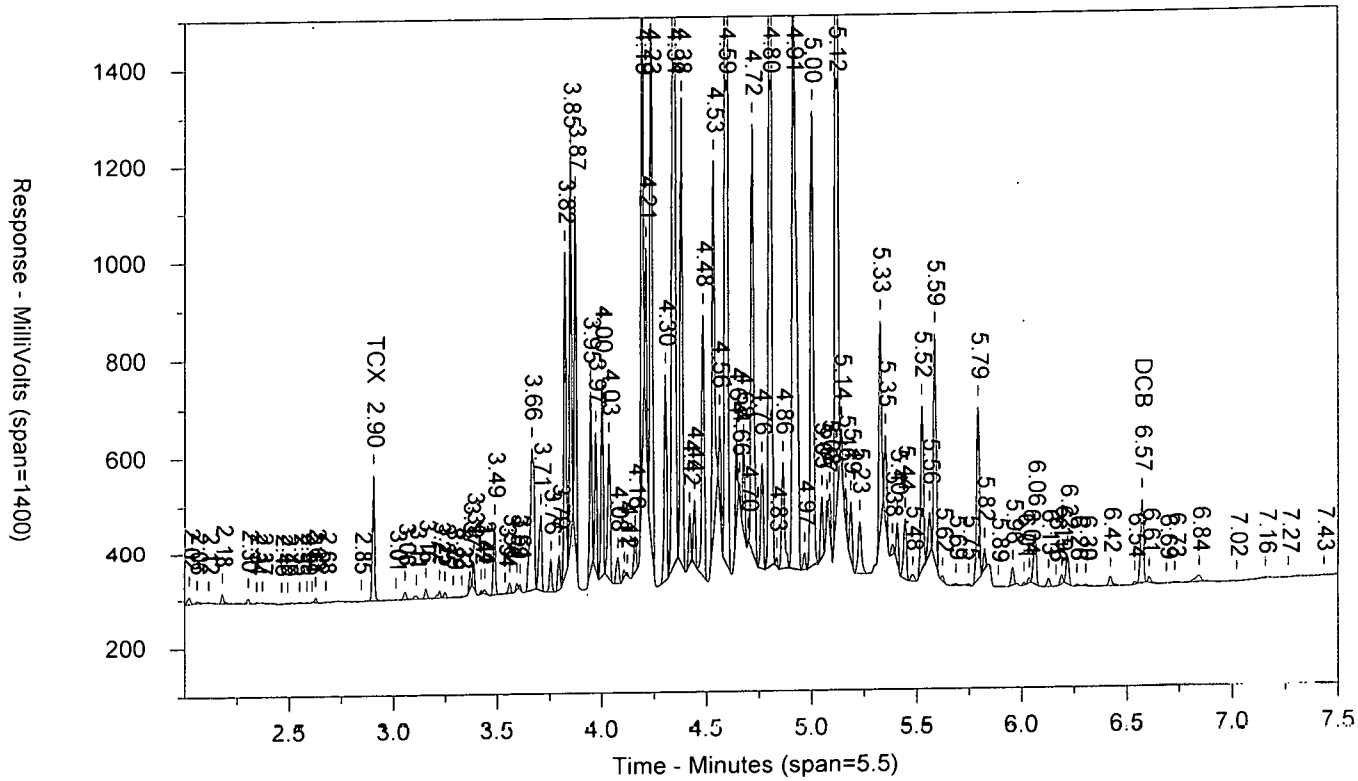

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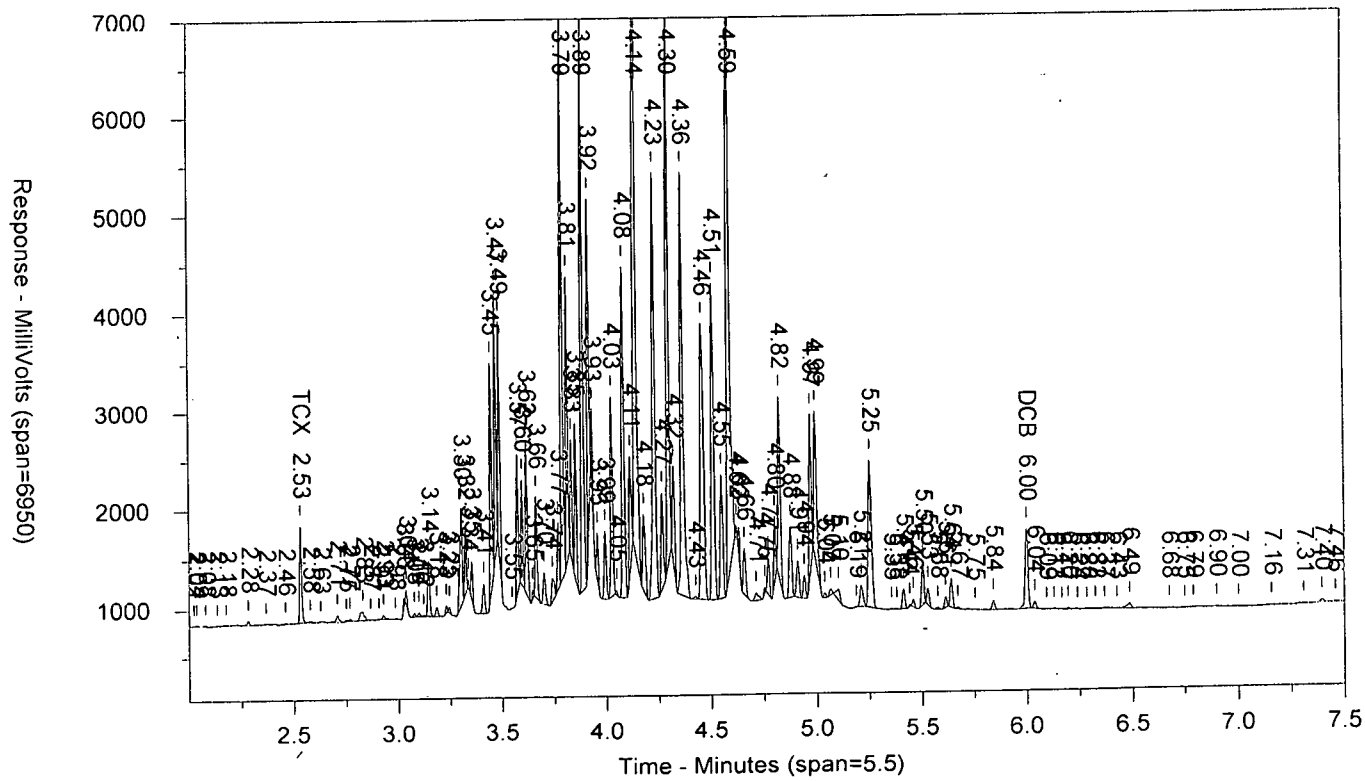


LANCASTER LABORATORIES

Sample Number: 9229373 ACF DF20 AC95A06 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 12:24:53 PM Sample Weight: 10.26
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

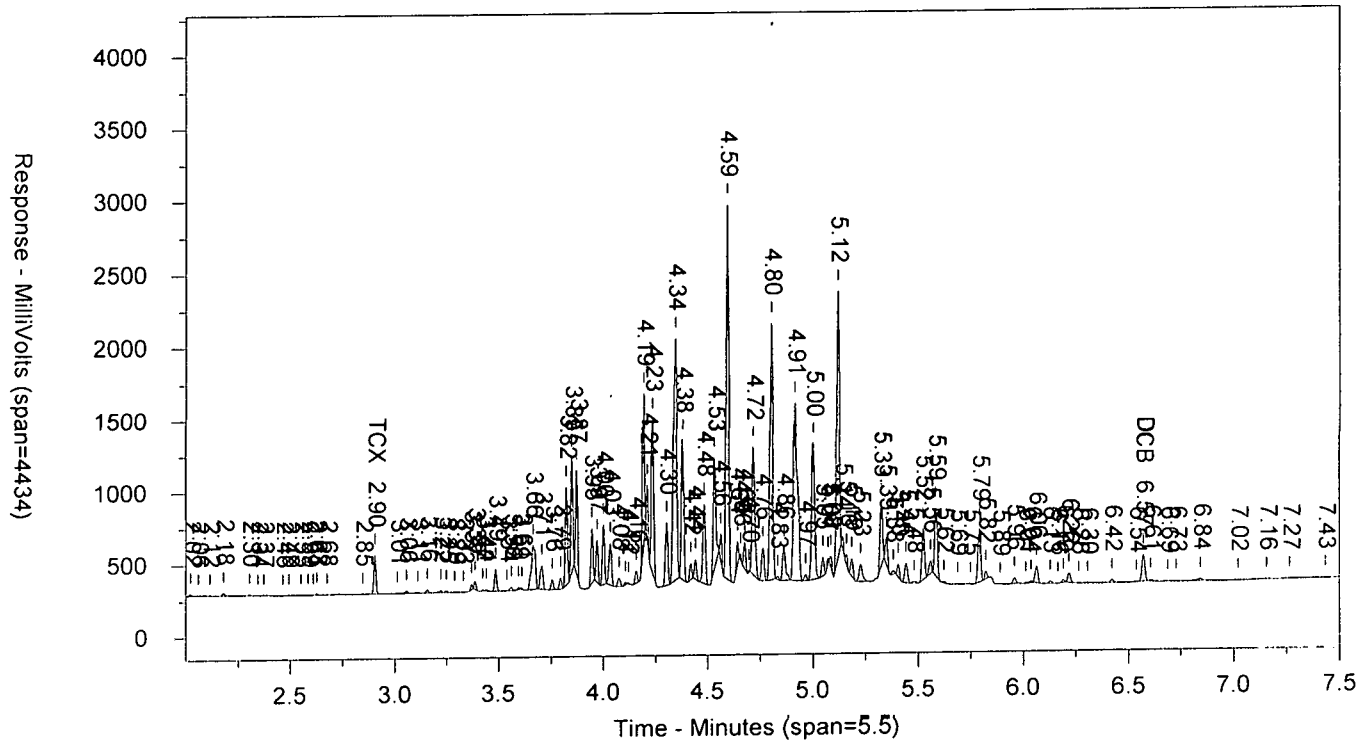
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	269368	27.515	TCX	2.533	976549	28.302	TCX
6.57	183688	27.944	DCB	5.999	796484	32.992	DCB

Files:
Area File: 20PCBs17275004.071.RAW
Area File: 20PCBs17275004B.071.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 12:33:36 PM
File Reported On: 10/5/2017 at 12:33:45 PM

9229373 ACF DF20 AC95A06 T 172760009A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275004.071.RAW



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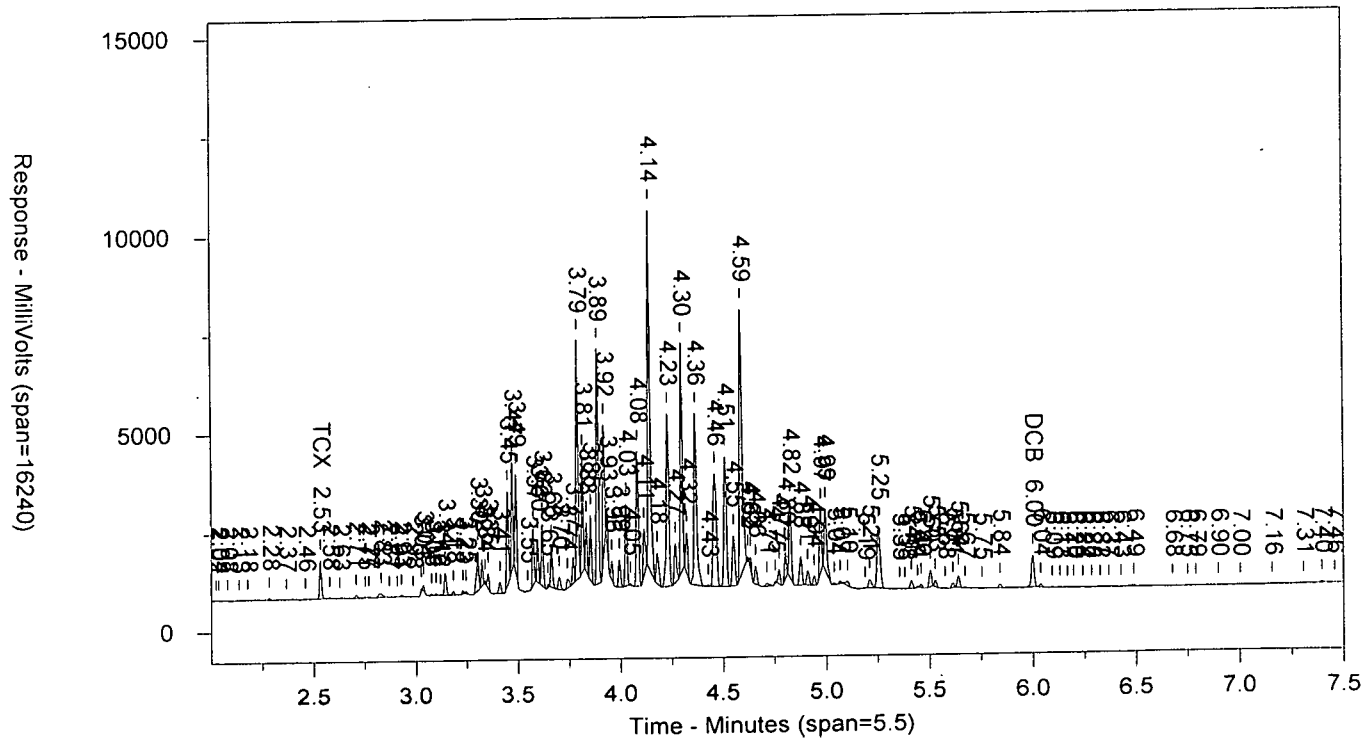

9229373 ACF DF20 AC95A06 T 172760009A 10225 SW-846 8082

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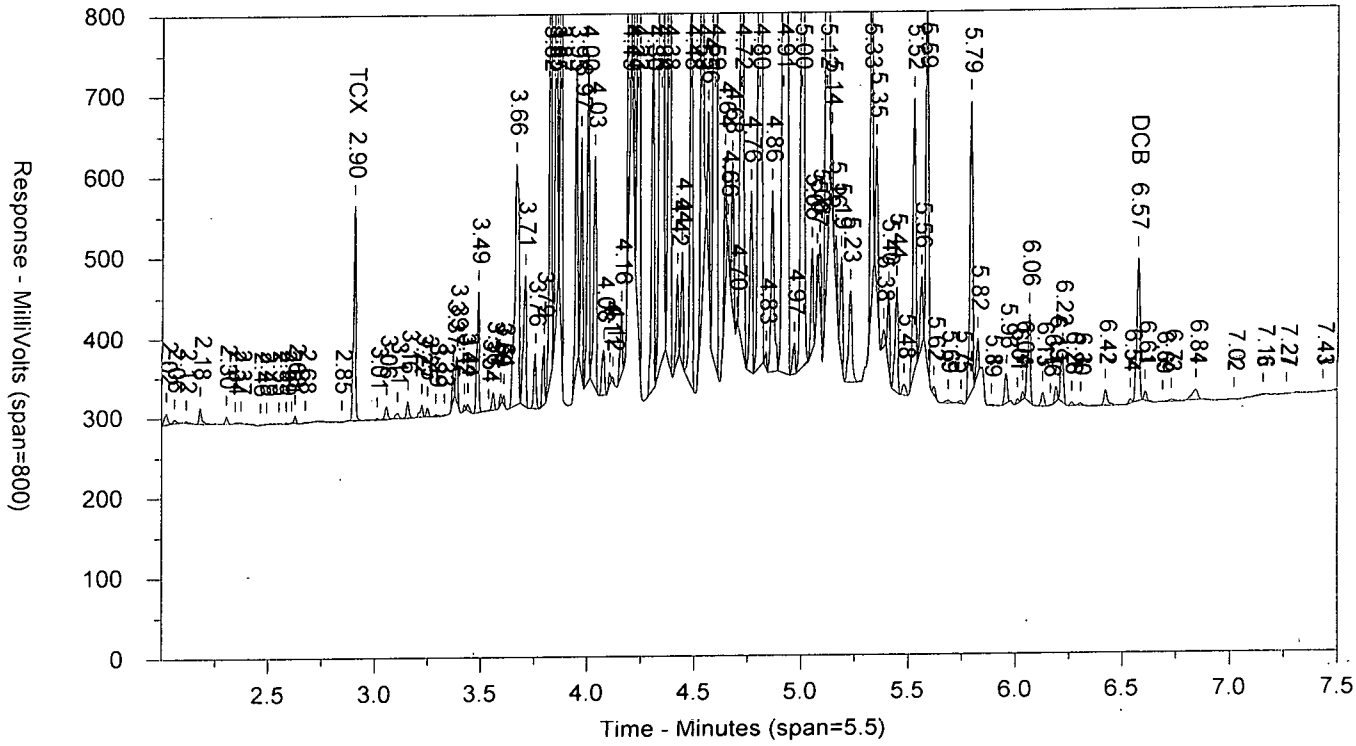

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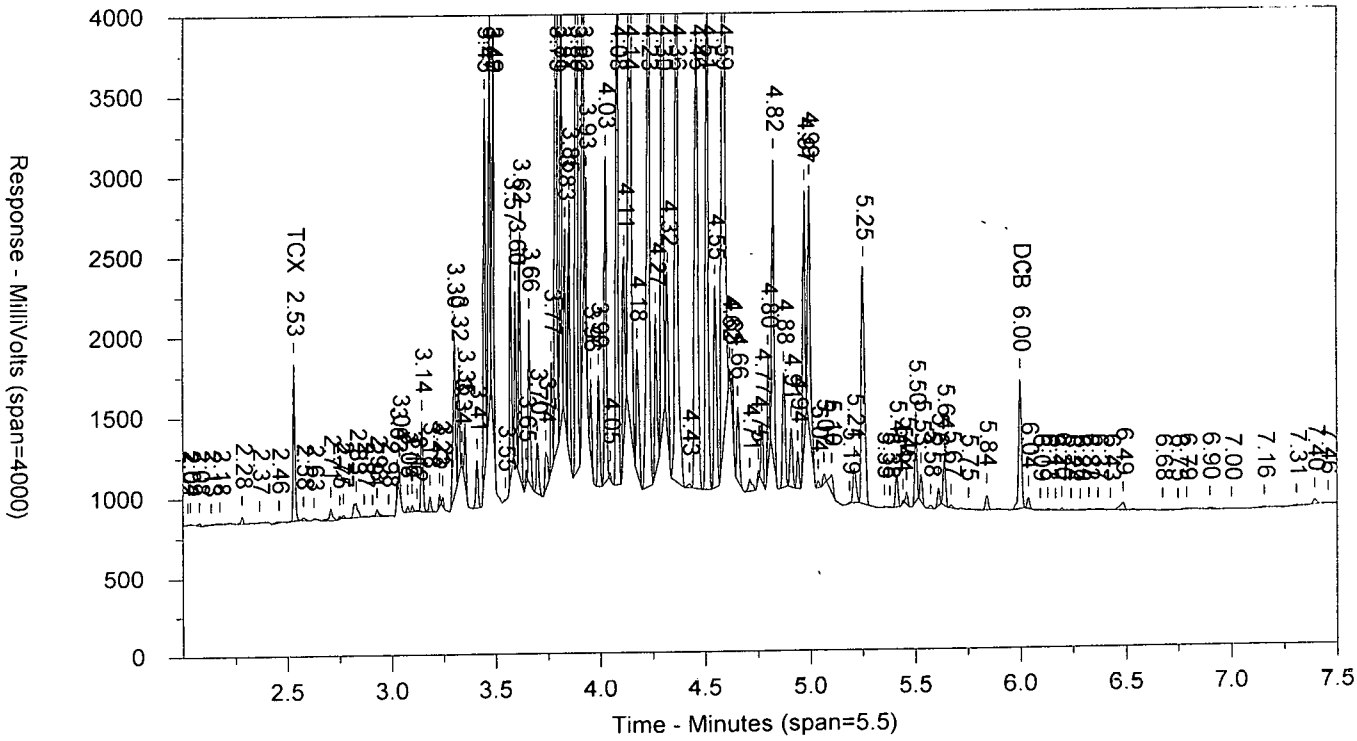


eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229374 ACF DF1000 95A07 Sample ID: AE **Batchnumber: 172760009A**
Sample Amount: 10.01 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 06, 2017 05:58:53
Instrument	17342A
Result file	20PCBS17278001.044.RAW
Calibration file	20PCBS1727801
Method file	20PCBS

%SSR(TCX) * 412% (61 - 152) Conc: 125.7273
%SSR(DCB) * 294% (48 - 164) Conc: 79.69749

Analysis Report (B)

Injected on	Oct 06, 2017 05:58:53
Instrument	17342B
Result file	20PCBS17278001B.044.RAW
Calibration file	20PCBS1727801B
Method file	20PCBSB

%SSR(TCX) * 267% (61 - 152) Conc: 81.64677
%SSR(DCB) * 296% (48 - 164) Conc: 80.27356

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.87	2.90	2.93	24675	125.7273
Decachlorobiphenyl	6.54	6.57	6.60	10763	79.69749

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	48249	81.64677
Decachlorobiphenyl	5.96	5.99	6.02	41070	80.27356

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	81.64677			P	42.51	
☑	Tetrachloro-m-xylene-D1	A	125.7273					
☑	Tetrachloro-m-xylene-D2	B	81.64677					
☐	Decachlorobiphenyl	B	80.27356				0.72	
☑	Decachlorobiphenyl-D1	A	79.69749					
☑	Decachlorobiphenyl-D2	B	80.27356					

Multiple Component Data

Aroclor-1254 (%RSD 13.30)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.51	4.53	4.55	2294825	514482.703154			1
4.57	4.59	4.61	6294920	692625.932317			2
4.69	4.71	4.73	2063256	720117.376639			3
4.78	4.80	4.82	4659063	765796.691847			4
4.98	5.00	5.02	2713641	636701.009105			5
5.10	5.11	5.14	4578906	726074.718816			6

Height summation: **22604611**
Concentration CF: **675966.405313** L:

Aroclor-1254 (%RSD 12.62)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.06	4.08	4.10	9567039	489927.604991			1
4.12	4.14	4.16	21639890	643076.808537			2
4.21	4.22	4.25	10257240	611235.966241			3
4.34	4.36	4.38	9524800	721062.214439			4
4.43	4.45	4.47	6797719	609893.478549			5
4.56	4.58	4.60	16583970	679418.452848			6

Height summation: **74370658**
Concentration CF: **625769.087601** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<50949.0498	<9890.1097	D1		4	
☑	PCB-1221			<50949.0498	<15284.7149	D1		3	
☑	PCB-1232			<50949.0498	<12287.712	D1		4	
☑	PCB-1242			<50949.0498	<12287.712	D1		4	
☑	PCB-1248			<50949.0498	<9890.1097	D1		4	
☑	PCB-1254	A	675966.405313	50949.0498	13186.8129	D1	7.71	4	
☑	PCB-1260			<50949.0498	<11688.3114	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Kirby B Turner on 10/9/2017 13:10:28

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229374 ACF DF1000 95A07 Sample ID: AE **Batchnumber: 172760009A**
Sample Amount: 10.01 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 06, 2017 05:58:53
Instrument : CP20--17342A
Result file : 20PCBS17278001.044.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET
%SSR(TCX) : *412% (61-152) Conc.: 125.7273
%SSR(DCB) : *294% (48-164) Conc.: 79.69749

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	123.04	
3.14	3.16	3.18	51539.15	16342.450741			1
+ 3.35	3.37	3.39	93467.32	28468.180651			2
3.35	3.39	3.39	102519.6	31225.314827			2
3.46	3.48	3.50	264082	68459.212152			3
3.68	3.70	3.72	284876.2	62154.347503			4
3.73	3.75	3.77	175480.7	44440.693573			5
3.92	3.94	3.96	933557.1	305640.752506			6
Height Summation:			1812054.75				
Amount Avg CF:			88043.795217	Linear:			
Aroclor-1221					3	34.89	
3.03	3.05	3.07	28961.89	18953.393759			1
3.09	3.11	3.13	13245.2	9973.619829			2
3.13	3.16	3.17	51539.15	11831.22865			3
Height Summation:			93746.24				
Amount Avg CF:			13586.080746	Linear:			
Aroclor-1232					6	135.27	
3.13	3.16	3.17	51539.15	13912.8664			1
+ 3.35	3.37	3.39	93467.32	63238.969376			2
3.35	3.39	3.39	102519.6	69363.643302			2
3.46	3.48	3.50	264082	146204.881807			3
3.68	3.70	3.72	284876.2	130958.073111			4
3.73	3.75	3.77	175480.7	99216.683711			5
E 3.92	3.94	3.96	933557.1	749765.432544			6
Height Summation:			1812054.75				
Amount Avg CF:			201570.263479	Linear:			
Aroclor-1242					6	123.69	
3.13	3.16	3.17	51539.15	11388.203492			1
+ 3.35	3.37	3.39	93467.32	19695.592051			2
3.35	3.39	3.39	102519.6	21603.103832			2
3.46	3.48	3.50	264082	47008.188771			3
3.68	3.70	3.72	284876.2	40749.464076			4
3.73	3.75	3.77	175480.7	30171.227999			5
E 3.92	3.94	3.96	933557.1	209409.359298			6
Height Summation:			1812054.75				
Amount Avg CF:			60054.924578	Linear:			
Aroclor-1248					6	83.68	
3.68	3.70	3.72	284876.2	135649.954766			1
3.73	3.75	3.77	175480.7	76182.080908			2
3.80	3.82	3.84	1640009	418024.310894			3
3.92	3.94	3.96	933557.1	209024.48173			4
4.01	4.03	4.05	634826.7	175915.963118			5
4.19	4.19	4.23	2715587	724323.004786			6
+ 4.19	4.21	4.23	791704.4	211169.706553			6
Height Summation:			6384336.7				
Amount Avg CF:			289853.299367	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 05:58:53
Instrument : CP20--17342B
Result file : 20PCBS17278001B.044.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : *267% (61-152) Conc.: 81.64677
%SSR(DCB) : *296% (48-164) Conc.: 80.27356

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	91.48	
2.80	2.82	2.84	192996.5	17979.671257			1
3.13	3.14	3.17	913563.4	68814.838109			2
3.28	3.30	3.32	1648642	128142.158267			3
* 3.32	3.32	3.36	899651.7	68095.431615			4
+* 3.28	3.32	3.32	899651.7	69926.224448			3
+ 3.32	3.34	3.36	259606.2	19649.822525			4
+ 3.32	3.35	3.36	452661.5	34262.34866			4
3.39	3.41	3.43	696007.3	47686.797536			5
3.55	3.57	3.59	3371562	273942.564358			6
Height Summation:			7722422.9				
Amount Avg CF:			100776.91019	Linear:			
Aroclor-1221					3	25.87	
2.68	2.71	2.72	138246.2	22301.600098			1
2.75	2.77	2.79	60839.57	15967.832984			2
2.80	2.82	2.84	192996.5	13652.686046			3
Height Summation:			392082.27				
Amount Avg CF:			17307.373043	Linear:			
Aroclor-1232					6	101.03	
2.80	2.82	2.84	192996.5	15630.019801			1
3.13	3.14	3.17	913563.4	141895.649683			2
E 3.28	3.30	3.32	1648642	266848.232265			3
* 3.32	3.32	3.36	899651.7	137304.477596			4
+* 3.28	3.32	3.32	899651.7	145617.099285			3
+ 3.32	3.34	3.36	259606.2	39620.992959			4
+ 3.32	3.35	3.36	452661.5	69085.014551			4
3.39	3.41	3.43	696007.3	101100.441714			5
E 3.55	3.57	3.59	3371562	625464.291719			6
Height Summation:			7722422.9				
Amount Avg CF:			214707.185463	Linear:			
Aroclor-1242					6	92.93	
2.80	2.82	2.84	192996.5	13042.901821			1
3.13	3.14	3.17	913563.4	50865.560939			2
3.28	3.30	3.32	1648642	86950.795045			3
* 3.32	3.32	3.36	899651.7	48694.910094			4
+* 3.28	3.32	3.32	899651.7	47448.40334			3
+ 3.32	3.34	3.36	259606.2	14051.549693			4
+ 3.32	3.35	3.36	452661.5	24500.938581			4
3.39	3.41	3.43	696007.3	34621.090967			5
E 3.55	3.57	3.59	3371562	200917.127122			6
Height Summation:			7722422.9				
Amount Avg CF:			72515.397665	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229374** ACF DF1000 95A07 Sample ID: AE **Batchnumber: 172760009A**
Sample Amount: 10.01 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 06, 2017 05:58:53
Instrument : CP20--17342A
Result file : 20PCBS17278001.044.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	13.30	
4.51	4.53	4.55	2294825	514482.703154			1
4.57	4.59	4.61	6294920	692625.932317			2
4.69	4.71	4.73	2063256	720117.376639			3
4.78	4.80	4.82	4659063	765796.691847			4
4.98	5.00	5.02	2713641	636701.009105			5
5.10	5.11	5.14	4578906	726074.718816			6
Height Summation:			**22604611**				
Amount Avg CF:			**675966.405313**	Linear:			
Aroclor-1260					6	74.78	
4.69	4.71	4.73	2063256	314339.10709			1
4.89	4.91	4.93	2751890	354871.069716			2
5.10	5.11	5.14	4578906	490098.314149			3
5.33	5.34	5.36	373124.2	79020.745555			4
5.56	5.58	5.60	922118.4	74543.9845			5
5.77	5.79	5.81	783124.4	97956.450674			6
Height Summation:			**11472419**				
Amount Avg CF:			**235138.278614**	Linear:			
Aroclor-1262					5	52.24	
5.16	5.18	5.20	212979.5	25608.333068			1
5.33	5.34	5.36	373124.2	56142.698241			2
5.56	5.58	5.60	922118.4	58974.233364			3
5.77	5.79	5.81	783124.4	74016.901173			4
6.19	6.21	6.23	103006.9	16593.553421			6
Height Summation:			**2394353.4**				
Amount Avg CF:			**46267.143853**	Linear:			
Aroclor-1268					4	91.42	
5.77	5.79	5.81	783124.4	41438.679125			1
+ 6.02	6.03	6.06	24183.78	6242.234229			4
6.02	6.06	6.06	247206.5	63808.092697			4
6.20	6.21	6.24	103006.9	16229.60242			5
6.40	6.41	6.44	27130.94	511.750539			6
Height Summation:			**1160468.74**				
Amount Avg CF:			**30497.031195**	Linear:			

Analysis Report (B)

Injected on : Oct 06, 2017 05:58:53
Instrument : CP20--17342B
Result file : 20PCBS17278001B.044.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	74.70	
3.32	3.32	3.36	899651.7	152412.756498			1
+ 3.32	3.34	3.36	259606.2	43980.683353			1
+ 3.32	3.35	3.36	452661.5	76686.774421			1
3.39	3.41	3.43	696007.3	80418.654383			2
3.43	3.45	3.47	5293148	373034.057056			3
3.55	3.57	3.59	3371562	194908.290326			4
+ 3.64	3.64	3.68	257430.4	19935.747302			5
3.64	3.66	3.68	2164812	167645.876278			5
3.77	3.79	3.81	14274950	612813.25224			6
Height Summation:			**26700131**				
Amount Avg CF:			**263538.814463**	Linear:			
Aroclor-1254					6	12.62	
4.06	4.08	4.10	9567039	489927.604991			1
4.12	4.14	4.16	21639890	643076.808537			2
4.21	4.22	4.25	10257240	611235.966241			3
4.34	4.36	4.38	9524800	721062.214439			4
4.43	4.45	4.47	6797719	609893.478549			5
4.56	4.58	4.60	16583970	679418.452848			6
Height Summation:			**74370658**				
Amount Avg CF:			**625769.087601**	Linear:			
Aroclor-1260					6	85.72	
4.34	4.36	4.38	9524800	324291.503263			1
4.44	4.45	4.48	6797719	305199.906071			2
4.56	4.58	4.60	16583970	577691.633696			3
4.78	4.80	4.82	1086013	56719.224426			4
4.97	4.99	5.01	2766158	63062.426525			5
5.23	5.25	5.27	3002096	103668.469502			6
Height Summation:			**39760756**				
Amount Avg CF:			**238438.860581**	Linear:			
Aroclor-1262					6	64.16	
+ 4.60	4.61	4.64	111062.6	4116.568495			1
4.60	4.63	4.64	803793	29792.828011			1
4.78	4.80	4.82	1086013	39600.967794			2
4.97	4.99	5.01	2766158	51081.874918			3
5.19	5.21	5.23	344815.9	15769.12129			4
5.23	5.25	5.27	3002096	86010.066114			5
5.62	5.63	5.65	428847.8	19633.078082			6
Height Summation:			**8431723.7**				
Amount Avg CF:			**40314.656035**	Linear:			
Aroclor-1268					5	118.89	
5.19	5.21	5.23	344815.9	5802.341186			1
5.24	5.25	5.28	3002096	49926.700568			2
5.39	5.41	5.43	418852	7805.755938			3
5.62	5.63	5.65	428847.8	18750.689007			5
5.82	5.84	5.86	142178.1	765.121158			6
Height Summation:			**4336789.8**				
Amount Avg CF:			**16610.121571**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229374 ACF DF1000 95A07 Sample ID: AE **Batchnumber: 172760009A**
Sample Amount: 10.01 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 06, 2017 05:58:53
Instrument : CP20--17342A
Result file : 20PCBS17278001.044.RAW
Calibration file : 20PCBS1727801.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 06, 2017 05:58:53
Instrument : CP20--17342B
Result file : 20PCBS17278001B.044.RAW
Calibration file : 20PCBS1727801B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50949.0498	9890.1097		13.49	4	40	
Aroclor-1221			50949.0498	15284.7149		24.09	3	5	
Aroclor-1232			50949.0498	12287.712	E	6.31	4	40	
Aroclor-1242			50949.0498	12287.712	E	18.80	4	30	
Aroclor-1248			50949.0498	9890.1097		9.51	4	40	
Aroclor-1254			50949.0498	13186.8129		7.71	4	40	
Aroclor-1260			50949.0498	11688.3114		1.39	4	40	
Aroclor-1262			50949.0498	9890.1097		13.75	4	40	
Aroclor-1268			50949.0498	9890.1097		** 58.96	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229374 ACF DF1000 AE95A07 T 172760009A 10225 SW-846 8082
Injected On: 10/6/2017 5:58:53 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.044.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.023		40716	41392
2.061		2728	5535
2.18		62831	47886
2.304		7458	5291
2.348		1118	779
2.467		1628	1525
2.492		1697	1620
2.548		1937	2488
2.627		28519	19043
2.903	TCX	24675	26072
3.01		1685	1520
3.055		28962	25371
3.108		13245	10244
3.155		51539	38022
3.207		2522	1452
3.224		2190	1045
3.247		23721	17883
3.288		2025	1507
3.368		93467	53427
3.385		102520	59766
3.421		15900	8643
3.437		23306	17782
3.483		264082	185081
3.519		1680	889
3.534		3238	1474
3.557		57955	42160
3.591		37509	20335
3.605		20985	9937
3.659		545199	694776
3.7		284876	271180
3.751		175481	125397
3.792		112189	81286
3.82		1640009	1178483
3.846		1243916	834205
3.868		938142	610016
3.942		933557	676584
3.965		429183	285614
3.996		633618	462613
4.029		634827	562420
4.07		130998	118963
4.102		29614	17722
4.116		15389	8411
4.153		164786	121807
4.187		2715587	1930244
4.206		791704	415782
4.23		1891746	1518285
4.298		968386	765355
4.34		4319971	4581946
4.374		2032218	1645137
4.414		188018	129563
4.436		289801	214230
4.478		1373123	1213639
4.527		2294825	1960061
4.559		557359	357313

RT A	Compound A	Height A	Area A
4.588		6294920	5344337
4.638		322562	234050
4.651		83158	32914
4.672		583318	399986
4.712		2063256	1998164
4.759		502344	420679
4.799		4659063	4048843
4.829		54871	34947
4.858		518269	556829
4.91		2751891	3847051
4.96		84033	65542
4.996		2713641	2740927
5.042		308621	255007
5.067		117611	78141
5.079		103735	68540
5.115		4578906	4050600
5.136		255906	125014
5.156		144699	90536
5.181		212980	165574
5.223		220393	260294
5.32		1110690	936183
5.344		373124	271862
5.376		10187	5988
5.4		202995	186592
5.438		273779	271484
5.476		30158	33355
5.52		900784	788823
5.556		211647	200348
5.58		922118	765251
5.617		23888	20685
5.668		5099	8586
5.743		6694	6644
5.786		783124	703376
5.817		117699	100945
5.882		2334	2180
5.952		90037	89952
6.006		12853	9586
6.029		24184	17075
6.056		247207	230057
6.123		40553	39838
6.159		2734	1766
6.186		50270	40003
6.213		103007	92549
6.258		6909	6687
6.295		1398	2026
6.415		27131	31235
6.531		14001	13713
6.566	DCB	10763	9928
6.601		33085	33900
6.725		4041	4862
6.835		4596	6138
7.197		814	1297
8.35		1413	2039
8.509		6720	15258

LANCASTER LABORATORIES

Sample Number: 9229374 ACF DF1000 AE95A07 T 172760009A 10225 SW-846 8082
Injected On: 10/6/2017 5:58:53 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.044.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

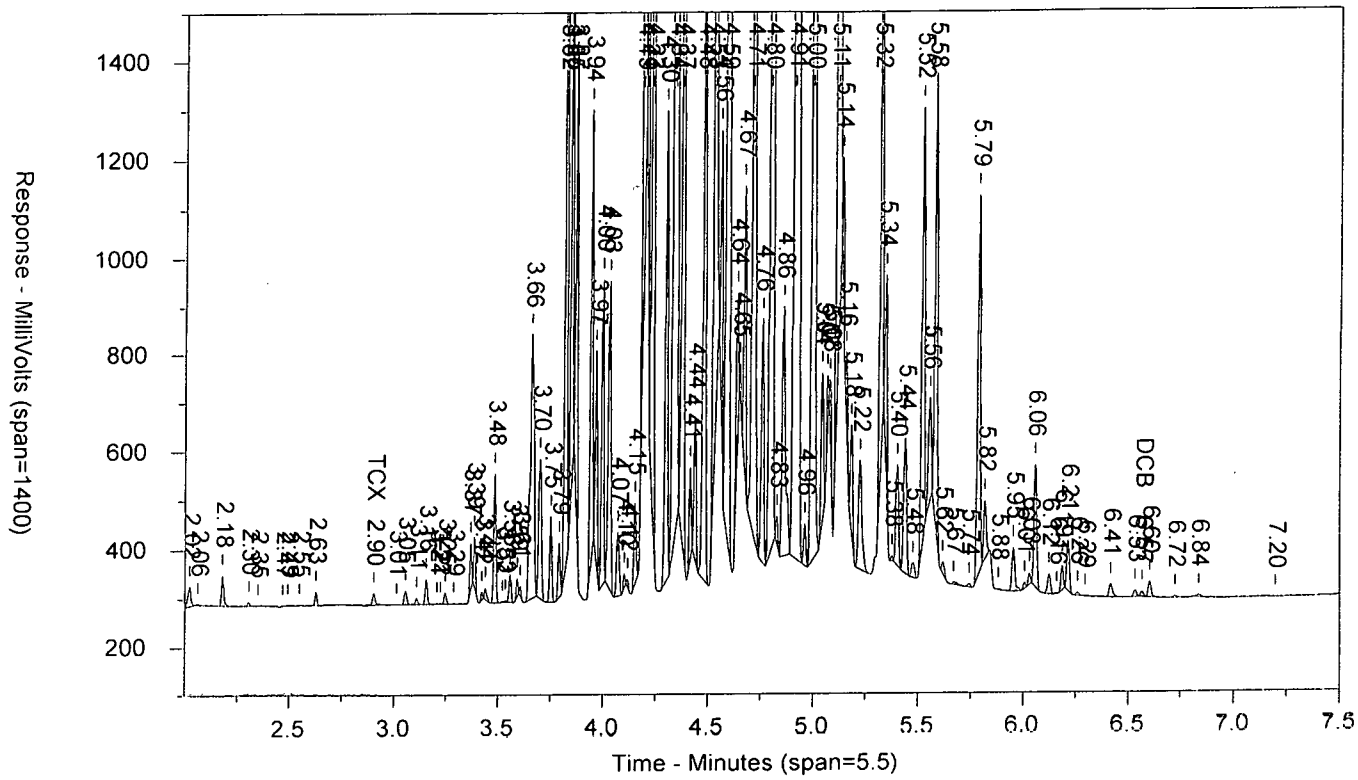
RT B	Compound B	Height B	Area B
2.079		19728	19446
2.129		9955	35270
2.155		2145	1334
2.171		3121	1715
2.224		7409	8706
2.282		117245	83405
2.365		2439	1027
2.399		12978	27529
2.459		9215	29263
2.489		2743	2181
2.532	TCX	48249	31065
2.577		38792	37926
2.63		4895	6873
2.707		138246	119930
2.767		60840	70895
2.818		192997	132901
2.896		2385	1953
2.928		92879	67928
3.025		172599	91689
3.035		230173	109863
3.075		95813	54607
3.097		124095	77758
3.121		34324	17379
3.144		913563	646755
3.183		237792	158595
3.229		168066	89941
3.244		97595	49200
3.302		1648642	1352527
3.322		899652	449129
3.336		259606	106947
3.352		452662	231624
3.409		696007	486948
3.445		5293148	3353357
3.468		4353845	2377502
3.485		3396837	1803268
3.57		3371562	2123557
3.592		1550013	878157
3.613		2341626	1518214
3.642		257430	123488
3.658		2164813	1373682
3.696		688433	528076
3.736		468108	433619
3.764		1509722	860247
3.785		14274950	9088779
3.81		4676235	2702593
3.829		2200505	1172297
3.849		3253094	2000737
3.883		14497730	9553345
3.914		6787414	3958123
3.929		2256494	1050771
3.951		661591	347244
3.989		1396521	1020687
4.022		4745496	3530528
4.077		9567039	6922010

RT B	Compound B	Height B	Area B
4.109		2961189	2240345
4.136		21639890	16050010
4.173		1618969	1523730
4.225		10257240	8471836
4.262		2003810	1497990
4.293		13653360	9381852
4.316		2188478	1465210
4.359		9524800	8560286
4.425		7589	3134
4.453		6797719	7387396
4.505		9121185	7380732
4.545		2744409	2413479
4.582		16583970	14972260
4.614		111063	33012
4.627		803793	475144
4.652		886821	666117
4.708		210358	249495
4.748		109414	62014
4.766		854095	630686
4.798		1086013	731395
4.82		4349120	3488700
4.871		1498510	1238795
4.905		727505	626598
4.936		448860	344165
4.968		3781338	2834369
4.99		2766159	2357697
5.031		87707	55719
5.062		171204	144423
5.085		14336	24399
5.127		19358	15326
5.164		3087	1722
5.207		344816	404929
5.247		3002096	3134603
5.349		13265	9649
5.406		418852	351358
5.437		44804	27299
5.453		152575	103607
5.499		971846	753392
5.523		282010	212341
5.57		40018	37988
5.608		243334	190508
5.635		428848	359018
5.666		27076	22348
5.714		7827	5914
5.835		142178	124543
5.915		3248	3685
5.973		59046	44401
5.994	DCB	41070	26769
6.032		173082	151679
6.126		19988	16478
6.167		6162	3998
6.218		1342	1501
6.233		3664	2687
6.321		4735	5823
6.362		8000	13959
6.478		18783	30321
6.618		3503	5380
7.286		3889	14649
7.388		5855	5920
7.561		1331	1387
7.734		2351	2376
7.784		2408	1141
7.826		9329	13515
8.004		10549	16753
8.2		3816	6985
8.344		2460	2562

RT B	Compound B	Height B	Area B
8.66		1836	1601

9229374 ACF DF1000 AE95A07 T 172760009A 10225 **SW-846 8082**

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.044.RAW



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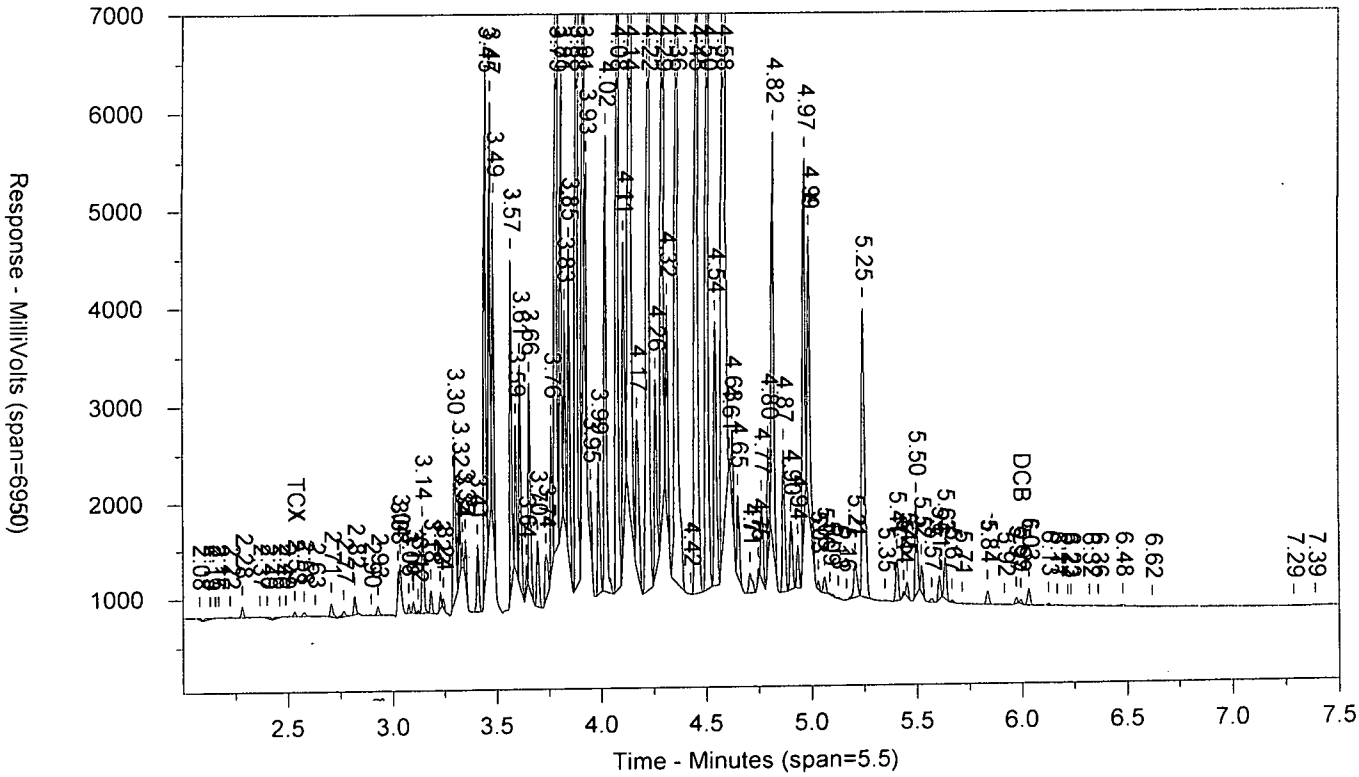

LANCASTER LABORATORIES

Sample Number: 9229374 ACF DF1000 AE95A07 T 172760009A 10225 SW-846 8082
Injected On: 10/6/2017 5:58:53 AM Sample Weight: 10.01
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	24675	125.727	TCX	2.532	48249	81.647	TCX
6.566	10763	79.697	DCB	5.994	41070	80.274	DCB

Files:
Area File: 20PCBS17278001.044.RAW
Area File: 20PCBS17278001B.044.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 6:07:38 AM
File Reported On: 10/6/2017 at 6:07:45 AM

9229374 ACF DF1000 AE95A07 T 172760009A 10225 SW-846 8082

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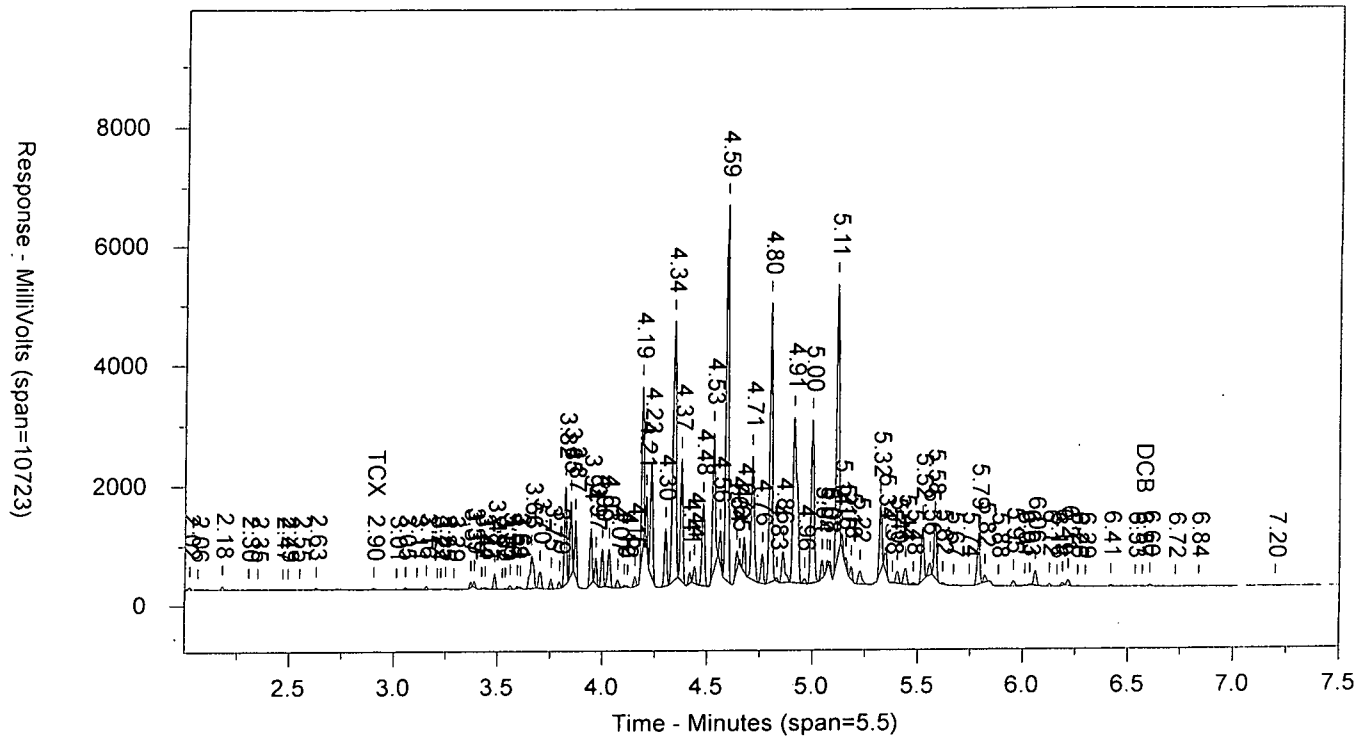

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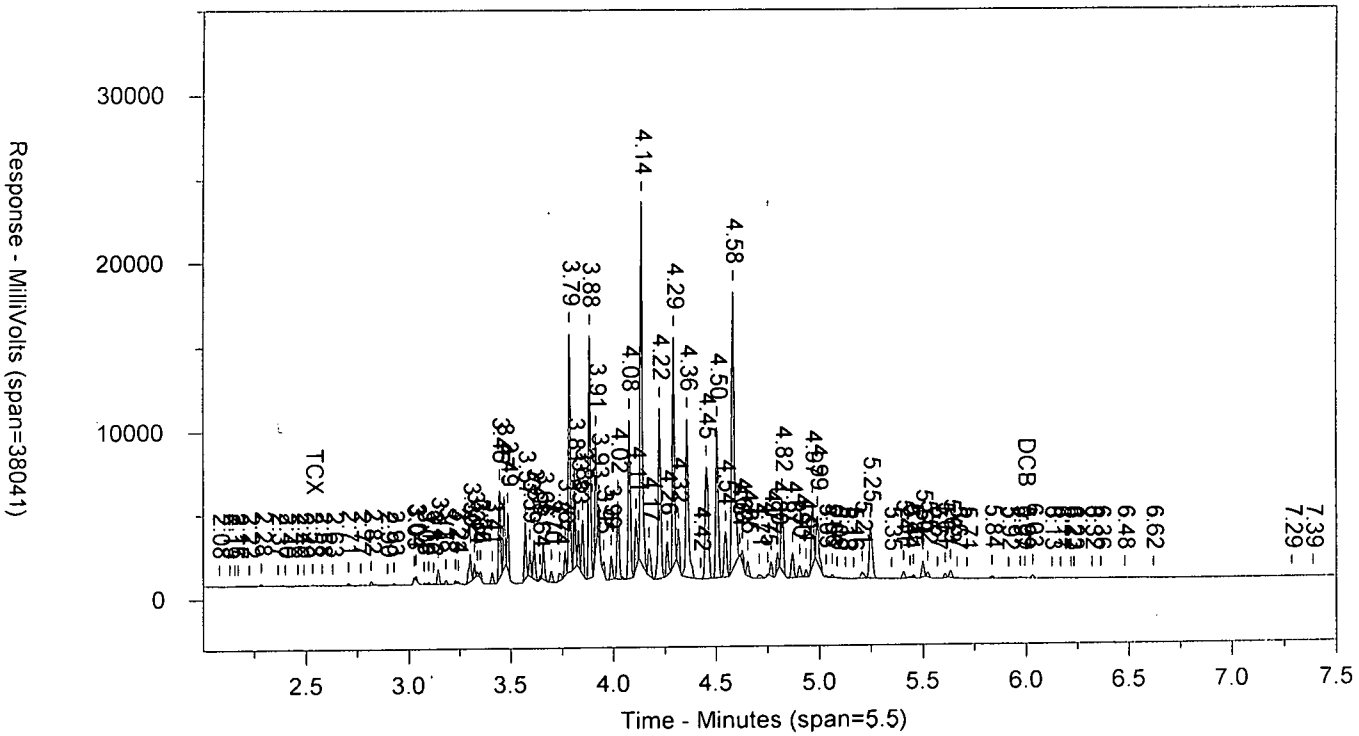

9229374 ACF DF1000 AE95A07 T 172760009A 10225 SW-846 8082

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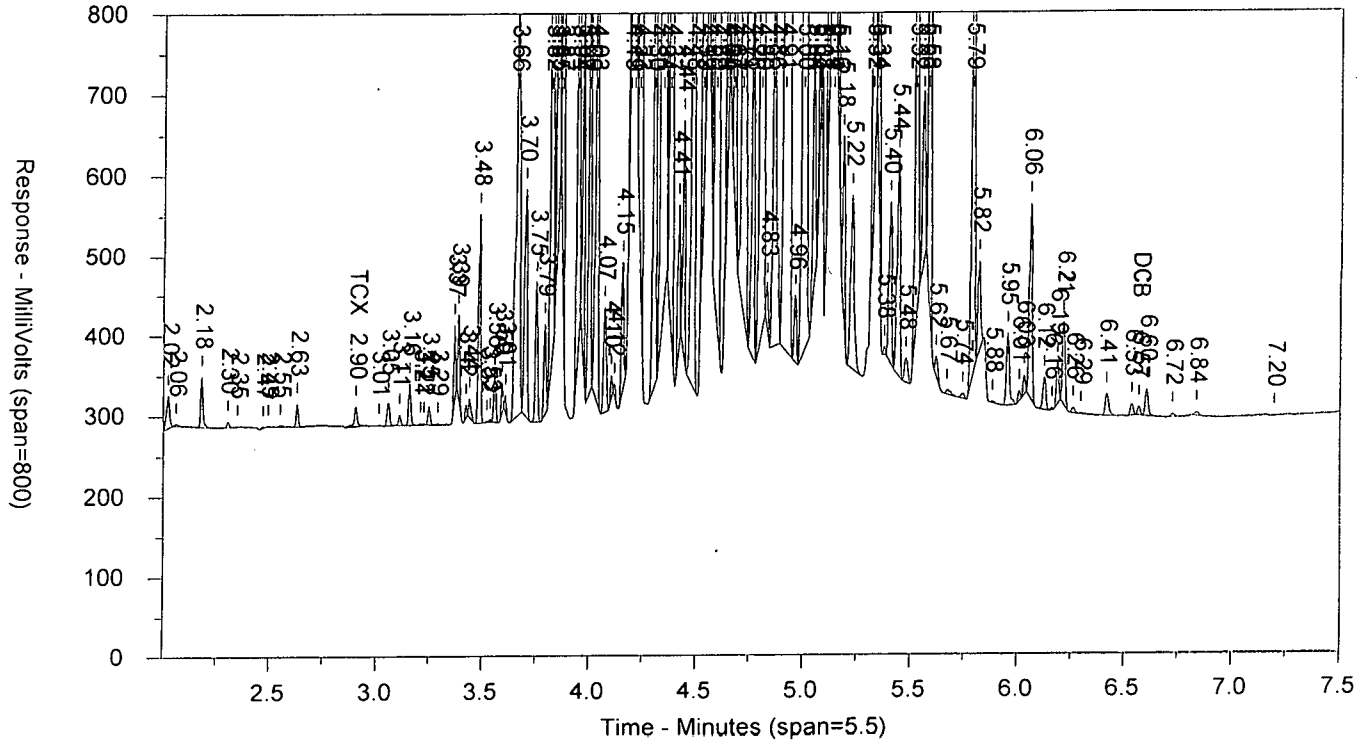

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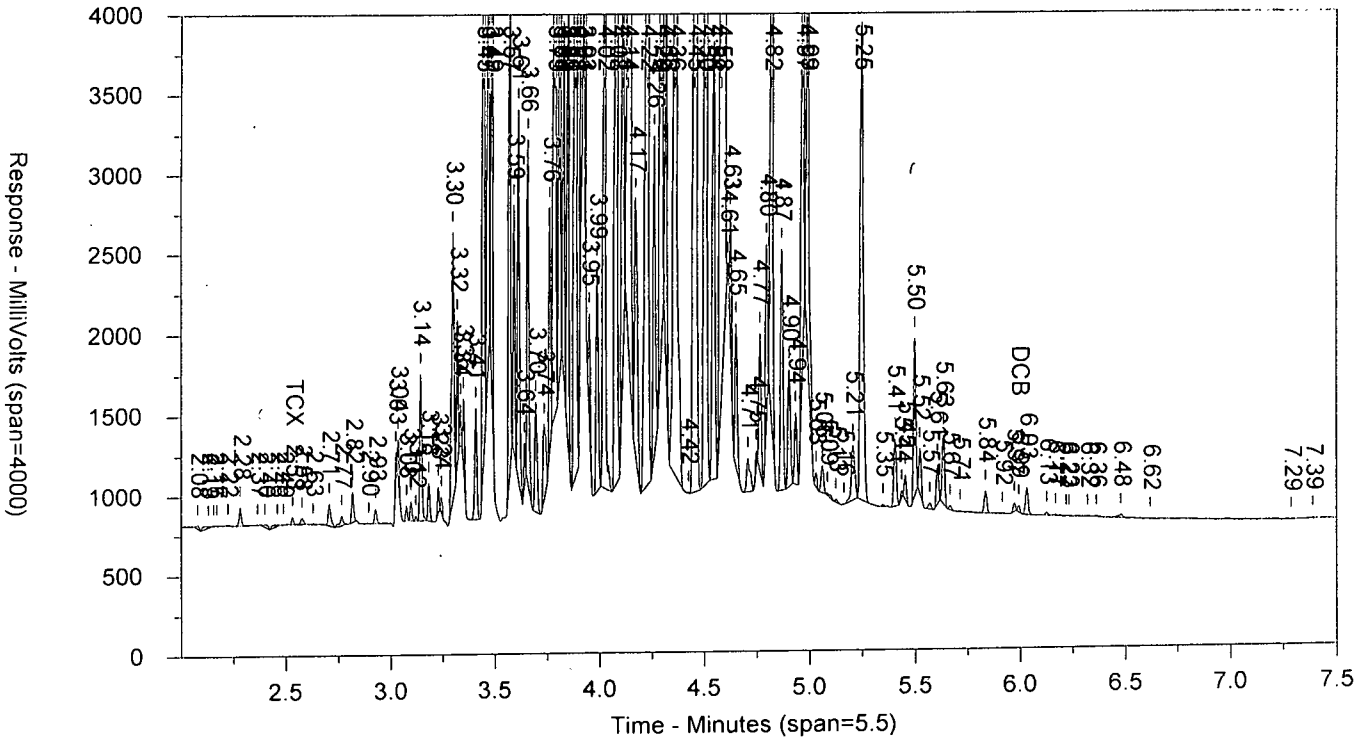

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Data Summary

Sample Name: 9229375 ACF DF500 95A08 Sample ID: AF **Batchnumber:** 172760009A
Sample Amount: 10.44 g Total Volume: 5000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 12:59:15
Instrument	17342A
Result file	20PCBS17275004.074.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) * 155% (61 - 152) Conc: 45.39669
%SSR(DCB) 118% (48 - 164) Conc: 30.71442

Analysis Report (B)

Injected on	Oct 05, 2017 12:59:15
Instrument	17342B
Result file	20PCBS17275004B.074.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 28.46756
%SSR(DCB) 139% (48 - 164) Conc: 36.10704

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	18089	45.39669	Tetrachloro-m-xylene	2.50	2.53	2.56	39979	28.46756
Decachlorobiphenyl	6.55	6.57	6.61	8218	30.71442	Decachlorobiphenyl	5.97	6.00	6.03	35479	36.10704

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	28.46756			P	45.84	
☑	Tetrachloro-m-xylene-D1	A	45.39669					
☑	Tetrachloro-m-xylene-D2	B	28.46756					
☐	Decachlorobiphenyl	B	36.10704				16.14	
☑	Decachlorobiphenyl-D1	A	30.71442					
☑	Decachlorobiphenyl-D2	B	36.10704					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**27.36**	
4.52	4.53	4.56	848772.6	104428.050772			1
4.58	4.59	4.62	3416398	208856.727187			2
4.70	4.71	4.74	1145006	214616.093923			3
4.79	4.80	4.83	2425604	267126.238762			4
4.98	5.00	5.02	1153650	178275.3695			5
5.10	5.12	5.14	2505699	220641.723006			6

Height summation: **11495129.6**
Concentration CF: **198990.700525** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**29.84**	
4.06	4.08	4.10	3842505	113540.080089			1
4.12	4.14	4.16	11466140	212218.44338			2
4.21	4.23	4.25	5568610	191963.966469			3
4.34	4.36	4.38	5614396	288578.914149			4
4.44	4.46	4.47	3609327	189837.17751			5
4.57	4.59	4.61	8796625	270114.035879			6

Height summation: **38897603**
Concentration CF: **211042.102913** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<24425.2875	<4741.3793	D1		4	
☑	PCB-1221			<24425.2875	<7327.5862	D1		3	
☑	PCB-1232			<24425.2875	<5890.8046	D1		4	
☑	PCB-1242			<24425.2875	<5890.8046	D1		4	
☑	PCB-1248			<24425.2875	<4741.3793	D1		4	
☑	PCB-1254	B	211042.102913	24425.2875	6321.8391	D2	5.88	4	
☑	PCB-1260			<24425.2875	<5603.4483	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:31

[redacted]

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229375** ACF DF500 95A08 ID: AF **Batchnumber: 172760009A**
Sample Amount: 10.44 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 12:59:15
Instrument : CP20--17342A
Result file : 20PCBS17275004.074.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : *155% (61-152) Conc.: 45.39669
%SSR(DCB) : 118% (48-164) Conc.: 30.71442

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	92.70	
3.14	3.16	3.18	25891.09	4139.121471			1
+ 3.36	3.37	3.40	43231.13	6457.971698			2
3.36	3.39	3.40	83477.68	12470.099552			2
3.47	3.49	3.51	270298.8	34527.258274			3
3.68	3.71	3.72	276996.1	30499.236183			4
3.74	3.75	3.78	78003.95	10111.918325			5
+ 3.93	3.94	3.97	386648.9	63704.158037			6
3.93	3.97	3.97	447333.4	73702.51825			6
Height Summation:			**1182001.02**				
Amount Avg CF:			**27575.025342**	Linear:			
Aroclor-1221					3	62.42	
3.04	3.06	3.08	23315.04	7745.305551			1
3.09	3.11	3.13	7267.385	2713.47872			2
3.14	3.16	3.18	25891.09	3054.72319			3
Height Summation:			**56473.515**				
Amount Avg CF:			**4504.502487**	Linear:			
Aroclor-1232					6	85.22	
3.14	3.16	3.18	25891.09	3543.917229			1
+ 3.36	3.37	3.40	43231.13	14818.840041			2
3.36	3.39	3.40	83477.68	28614.62069			2
3.47	3.49	3.51	270298.8	77092.682484			3
3.68	3.71	3.72	276996.1	66234.400912			4
3.74	3.75	3.78	78003.95	23308.506104			5
E+ 3.93	3.94	3.97	386648.9	115535.28053			6
E 3.93	3.97	3.97	447333.4	133668.529406			6
Height Summation:			**1182001.02**				
Amount Avg CF:			**55410.442804**	Linear:			
Aroclor-1242					6	92.46	
3.14	3.16	3.18	25891.09	2952.832426			1
+ 3.35	3.37	3.39	43231.13	4692.162117			2
3.35	3.39	3.39	83477.68	9060.387913			2
3.47	3.49	3.51	270298.8	24755.619735			3
3.68	3.71	3.72	276996.1	21663.266112			4
3.74	3.75	3.78	78003.95	7030.863807			5
+ 3.93	3.94	3.97	386648.9	45212.626519			6
3.93	3.97	3.97	447333.4	52308.743006			6
Height Summation:			**1182001.02**				
Amount Avg CF:			**19628.618833**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 12:59:15
Instrument : CP20--17342B
Result file : 20PCBS17275004B.074.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 97% (61-152) Conc.: 28.46756
%SSR(DCB) : 139% (48-164) Conc.: 36.10704

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	121.69	
+ 2.80	2.80	2.84	2786.256	114.046186			1
2.80	2.82	2.84	105091	4301.552963			1
3.13	3.14	3.17	976948.3	31417.32295			2
3.32	3.32	3.36	1116277	40722.436946			3
+ 3.32	3.34	3.36	74564.21	2720.145932			3
+ 3.32	3.35	3.36	775205.1	28279.934823			3
3.39	3.41	3.43	342388.5	11049.301888			4
+ 3.45	3.47	3.49	3855485	164089.925475			5
3.45	3.49	3.49	4264832	181511.785169			5
3.55	3.57	3.59	1444262	52519.614699			6
Height Summation:			**8249798.8**				
Amount Avg CF:			**53587.002436**	Linear:			
Aroclor-1221					3	47.81	
2.69	2.71	2.73	112538.9	8005.868694			1
2.75	2.77	2.79	36675.93	4210.261262			2
+ 2.80	2.80	2.84	2786.256	88.642027			3
2.80	2.82	2.84	105091	3343.368031			3
Height Summation:			**254305.83**				
Amount Avg CF:			**5186.499329**	Linear:			
Aroclor-1232					6	129.42	
+ 2.80	2.80	2.84	2786.256	102.727299			1
2.80	2.82	2.84	105091	3874.631271			1
3.13	3.14	3.17	976948.3	66583.823517			2
3.32	3.32	3.36	1116277	86590.677985			3
+ 3.32	3.34	3.36	74564.21	5784.017316			3
+ 3.32	3.35	3.36	775205.1	60133.403435			3
3.39	3.41	3.43	342388.5	24857.381849			4
E+ 3.45	3.47	3.49	3855485	402688.772976			5
E 3.45	3.49	3.49	4264832	445443.300915			5
E 3.55	3.57	3.59	1444262	126724.926225			6
Height Summation:			**8249798.8**				
Amount Avg CF:			**125679.123627**	Linear:			
Aroclor-1242					6	121.66	
+ 2.80	2.80	2.84	2786.256	86.601041			1
2.80	2.82	2.84	105091	3266.386871			1
3.13	3.14	3.17	976948.3	24533.668753			2
3.32	3.32	3.36	1116277	30555.825727			3
+ 3.32	3.34	3.36	74564.21	2041.044478			3
+ 3.32	3.35	3.36	775205.1	21219.672123			3
3.39	3.41	3.43	342388.5	8392.757597			4
E+ 3.45	3.47	3.49	3855485	125452.086762			5
E 3.45	3.49	3.49	4264832	138771.665326			5
3.55	3.57	3.59	1444262	40351.631			6
Height Summation:			**8249798.8**				
Amount Avg CF:			**40978.655879**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229375** ACF DF500 95A08 ID: AF **Batchnumber: 172760009A**
Sample Amount: 10.44 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 12:59:15
Instrument : CP20--17342A
Result file : 20PCBS17275004.074.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	85.15	
3.68	3.71	3.72	276996.1	68354.435709			1
3.74	3.75	3.78	78003.95	17079.318177			2
+ 3.81	3.82	3.85	754873.5	94374.37757			3
3.81	3.85	3.85	1166098	145785.715004			3
+ 3.93	3.94	3.97	386648.9	42731.629254			4
3.93	3.97	3.97	447333.4	49438.353508			4
4.02	4.03	4.06	378368.8	53368.671526			5
+ 4.20	4.21	4.24	366666.5	54000.571153			6
4.20	4.23	4.24	1588793	233988.459388			6
Height Summation:			**3935593.25**				
Amount Avg CF:			**94669.158886**	Linear:			
Aroclor-1254					6	27.36	
4.52	4.53	4.56	848772.6	104428.050772			1
4.58	4.59	4.62	3416398	208856.727187			2
4.70	4.71	4.74	1145006	214616.093923			3
4.79	4.80	4.83	2425604	267126.238762			4
4.98	5.00	5.02	1153650	178275.3695			5
5.10	5.12	5.14	2505699	220641.723006			6
+ 5.10	5.14	5.14	110534.4	9733.212356			6
Height Summation:			**11495129.6**				
Amount Avg CF:			**198990.700525**	Linear:			
Aroclor-1260					6	68.29	
4.70	4.71	4.74	1145006	88996.067698			1
4.90	4.91	4.94	1657637	116326.449075			2
5.11	5.12	5.15	2505699	145588.138308			3
+ 5.11	5.14	5.15	110534.4	6422.358597			3
5.33	5.35	5.37	248042.9	26870.153136			4
5.57	5.58	5.61	625134.6	28885.855497			5
5.78	5.79	5.82	521076.2	37142.854634			6
Height Summation:			**6702595.7**				
Amount Avg CF:			**73968.253058**	Linear:			
Aroclor-1262					6	61.80	
5.17	5.18	5.21	175748.5	11318.2259			1
5.33	5.35	5.37	248042.9	19117.865292			2
5.57	5.58	5.61	625134.6	22935.020678			3
5.78	5.79	5.82	521076.2	27531.607303			4
5.83	5.84	5.87	20415.45	2206.905454			5
6.20	6.22	6.24	93941.84	8974.545925			6
Height Summation:			**1684359.49**				
Amount Avg CF:			**15347.361758**	Linear:			
Aroclor-1268					5	103.36	
5.77	5.79	5.81	521076.2	15033.182878			1
5.83	5.84	5.87	20415.45	694.613743			2
+ 6.03	6.03	6.07	15889.29	2333.550669			4
6.03	6.06	6.07	163579.3	24023.766003			4
6.20	6.22	6.24	93941.84	8709.30235			5
6.40	6.42	6.44	22415.4	233.088411			6
Height Summation:			**821428.19**				
Amount Avg CF:			**9738.790677**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 12:59:15
Instrument : CP20--17342B
Result file : 20PCBS17275004B.074.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	74.53	
3.32	3.32	3.36	1116277	94498.072875			1
+ 3.32	3.34	3.36	74564.21	6312.20938			1
+ 3.32	3.35	3.36	775205.1	65624.740125			1
3.39	3.41	3.43	342388.5	18218.533605			2
3.43	3.45	3.47	2618682	81931.167075			3
3.55	3.57	3.59	1444262	38065.504338			4
+ 3.64	3.64	3.68	88018.36	3354.728201			5
3.64	3.66	3.68	1275370	48609.400428			5
3.77	3.79	3.81	6990279	177778.352822			6
Height Summation:			**13787258.5**				
Amount Avg CF:			**76516.838524**	Linear:			
Aroclor-1254					6	29.84	
4.06	4.08	4.10	3842505	113540.080089			1
4.12	4.14	4.16	11466140	212218.44338			2
4.21	4.23	4.25	5568610	191963.966469			3
4.34	4.36	4.38	5614396	288578.914149			4
4.44	4.46	4.47	3609327	189837.17751			5
4.57	4.59	4.61	8796625	270114.035879			6
Height Summation:			**38897603**				
Amount Avg CF:			**211042.102913**	Linear:			
Aroclor-1260					6	83.92	
4.34	4.36	4.38	5614396	111726.388153			1
4.44	4.46	4.48	3609327	86862.452252			2
4.57	4.59	4.61	8796625	213444.799075			3
4.78	4.80	4.82	838325.8	22658.056551			4
4.98	4.99	5.01	2106592	31748.544518			5
5.24	5.25	5.28	2017562	44730.149019			6
Height Summation:			**22982827.8**				
Amount Avg CF:			**85195.064928**	Linear:			
Aroclor-1262					6	66.32	
+ 4.60	4.62	4.64	205498.3	4046.141557			1
4.60	4.63	4.64	270189.8	5319.879425			1
4.78	4.80	4.82	838325.8	15646.17091			2
4.98	4.99	5.01	2106592	25911.399529			3
5.19	5.21	5.23	303005.8	7868.377274			4
5.24	5.25	5.28	2017562	33854.254235			5
5.62	5.64	5.66	389520	11615.091043			6
Height Summation:			**5925195.4**				
Amount Avg CF:			**16702.528736**	Linear:			
Aroclor-1268					5	111.40	
5.19	5.21	5.23	303005.8	2935.036697			1
5.24	5.25	5.28	2017562	20850.462895			2
5.39	5.41	5.43	240264	2437.327882			3
5.62	5.64	5.66	389520	11985.912527			5
5.82	5.84	5.86	111557.2	366.278059			6
Height Summation:			**3061909**				
Amount Avg CF:			**7715.003612**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229375** ACF DF500 95A08 ID: AF **Batchnumber: 172760009A**
Sample Amount: 10.44 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 12:59:15
Instrument : CP20--17342A
Result file : 20PCBS17275004.074.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 12:59:15
Instrument : CP20--17342B
Result file : 20PCBS17275004B.074.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			24425.2875	4741.3793		** 64.10	4	40	
Aroclor-1221			24425.2875	7327.5862		14.07	3	5	
Aroclor-1232			24425.2875	5890.8046	E	** 77.61	4	40	
Aroclor-1242			24425.2875	5890.8046		** 70.45	4	30	
Aroclor-1248			24425.2875	4741.3793		21.21	4	40	
Aroclor-1254			24425.2875	6321.8391		5.88	4	40	
Aroclor-1260			24425.2875	5603.4483		14.11	4	40	
Aroclor-1262			24425.2875	4741.3793		8.46	4	40	
Aroclor-1268			24425.2875	4741.3793		23.19	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229375 ACF DF500 AF95A08 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 12:59:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.074.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.024		9263	12051
2.066		8004	17645
2.18		11340	9956
2.304		18569	12653
2.496		1410	5813
2.514		1845	1496
2.549		1427	1550
2.627		6538	4115
2.685		1434	1545
2.753		25756	56356
2.841		7885	15169
2.878		1820	2703
2.904	TCX	18089	15234
3.056		23315	19991
3.111		7267	5958
3.156		25891	19388
3.225		2524	1228
3.249		16229	12386
3.291		2905	3007
3.37		43231	23681
3.387		83478	51380
3.423		9347	5305
3.44		10947	7815
3.485		270299	190258
3.52		1803	1062
3.559		28734	22586
3.593		14859	8220
3.608		15399	7887
3.663		491990	652697
3.705		276996	241103
3.754		78004	55679
3.794		138240	99424
3.821		754874	537486
3.848		1166098	790548
3.871		1235017	820217
3.945		386649	265245
3.968		447333	310593
3.999		669291	496804
4.032		378369	327670
4.075		80727	78717
4.105		37475	24919
4.12		8994	4617
4.156		126501	95214
4.191		1256273	881947
4.209		366667	188608
4.233		1588793	1301682
4.301		598265	490533
4.343		2134983	2322096
4.377		1296397	1049264
4.417		182460	133998
4.439		186227	129934
4.48		650561	572776
4.53		848773	737361
4.561		192894	123788

RT A	Compound A	Height A	Area A
4.591		3416399	2827784
4.639		240126	175669
4.654		38077	16821
4.675		190160	128380
4.696		13859	5530
4.715		1145006	1050124
4.761		321288	278062
4.802		2425604	2163916
4.832		25210	15371
4.861		310185	314765
4.913		1657637	2175166
4.963		59841	48750
4.999		1153651	1163033
5.046		171274	133947
5.072		23233	24891
5.082		94483	63505
5.117		2505699	2185359
5.139		110534	56186
5.158		72733	46449
5.184		175749	144439
5.226		152496	167651
5.299		5794	4414
5.323		549581	441351
5.346		248043	183854
5.379		17728	11799
5.403		120876	97167
5.441		170017	167254
5.481		16728	18617
5.522		448143	411477
5.558		103937	98982
5.584		625135	546998
5.622		14275	11369
5.671		3520	6627
5.745		4430	4301
5.789		521076	471153
5.818		71826	57946
5.845		20415	12785
5.955		50733	50962
6.01		7356	5544
6.033		15889	11279
6.06		163579	149948
6.127		23180	22423
6.162		1709	1175
6.189		27980	22780
6.217		93942	86764
6.262		5995	5351
6.303		2101	2122
6.42		22415	25224
6.536		8469	8493
6.57	DCB	8218	7840
6.606		19329	18386
6.731		3161	3900
6.844		12384	21545
7.095		905	1689
7.427		812	1026
7.599		776	656
7.723		1068	2251
7.772		640	330
7.894		2384	4530
8.084		442	2164
8.357		4710	13765
8.441		889	420
8.518		8445	18503
8.598		957	665

LANCASTER LABORATORIES

Sample Number: 9229375 ACF DF500 AF95A08 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 12:59:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.074.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.042		2737	1494
2.076		22502	26286
2.11		15809	17749
2.16		5333	4768
2.224		4666	5399
2.282		28261	21028
2.349		4574	6838
2.403		52234	120316
2.454		24804	59007
2.47		105946	87726
2.533	TCX	39979	30155
2.577		28337	30863
2.626		8439	10095
2.68		3461	3186
2.708		112539	97048
2.768		36676	55907
2.802		2786	985
2.819		105091	91045
2.928		62521	59148
3.026		61069	34887
3.036		243636	131322
3.077		52989	31057
3.098		64657	41040
3.122		13127	6116
3.144		976948	659344
3.184		121073	77931
3.231		94703	49711
3.245		64504	32579
3.304		1532162	1112296
3.323		1116277	612065
3.338		74564	22258
3.353		775205	437997
3.411		342389	269339
3.447		2618682	1661428
3.469		3855485	2094077
3.487		4264832	2350411
3.572		1444262	853706
3.595		1524024	911568
3.615		2418221	1573167
3.645		88018	38296
3.66		1275370	853066
3.699		450902	364819
3.739		328129	310747
3.767		723012	401726
3.788		6990279	4422798
3.813		4109729	2423651
3.831		1701775	924436
3.852		2094556	1331537
3.887		7541519	5112430
3.917		4264709	2605392
3.932		1060441	492058
3.955		820063	493724
3.992		950252	708420
4.025		2346496	1626327

RT B	Compound B	Height B	Area B
4.046		85969	42272
4.081		3842505	2822334
4.113		1272299	997741
4.139		11466140	8701924
4.176		983377	872197
4.228		5568610	4792638
4.265		1353357	1042789
4.296		7092263	4906294
4.32		1383824	961651
4.362		5614396	5129236
4.427		17861	16994
4.457		3609327	4009122
4.508		3996035	3264896
4.548		1670518	1445125
4.585		8796625	7918684
4.618		205498	83812
4.63		270190	141421
4.655		580783	461233
4.711		107412	136734
4.752		94167	53885
4.77		507886	361501
4.802		838326	571528
4.824		2298316	1758755
4.874		960628	801013
4.909		489166	404899
4.94		311696	239432
4.971		2040625	1484046
4.993		2106592	1769150
5.035		60304	40792
5.066		91263	76802
5.101		96583	120965
5.21		303006	340113
5.251		2017562	2174510
5.354		8586	6341
5.373		4788	3476
5.41		240264	204075
5.441		26128	16449
5.457		96912	68097
5.503		581792	468331
5.527		221520	170161
5.573		25077	25928
5.611		151728	114073
5.638		389520	330627
5.669		24859	22724
5.716		11322	9343
5.758		5164	7100
5.839		111557	98136
5.925		4702	4946
5.977		32429	23146
5.997	DCB	35479	26018
6.035		107821	95858
6.091		4455	5198
6.13		12297	9745
6.195		5209	5357
6.326		6025	5344
6.364		7602	14355
6.485		47132	74523
6.682		4336	6328
6.774		2715	1346
7.138		1769	8454
7.228		2526	1874
7.314		3441	11251
7.4		4116	5078
7.433		2396	1527
7.467		3594	3968
7.586		2400	2596

RT B	Compound B	Height B	Area B
7.738		2630	2185
7.833		21532	43005
8.014		13907	32626
8.123		1244	3691
8.225		4120	9645
8.348		6940	17067
8.422		1889	1677
8.472		1524	1549
8.52		2273	1679
8.563		3793	7429
8.617		2199	2056
8.656		2448	1610

9229375 ACF DF500 AF95A08 T 172760009A 10225 **SW-846 8082**

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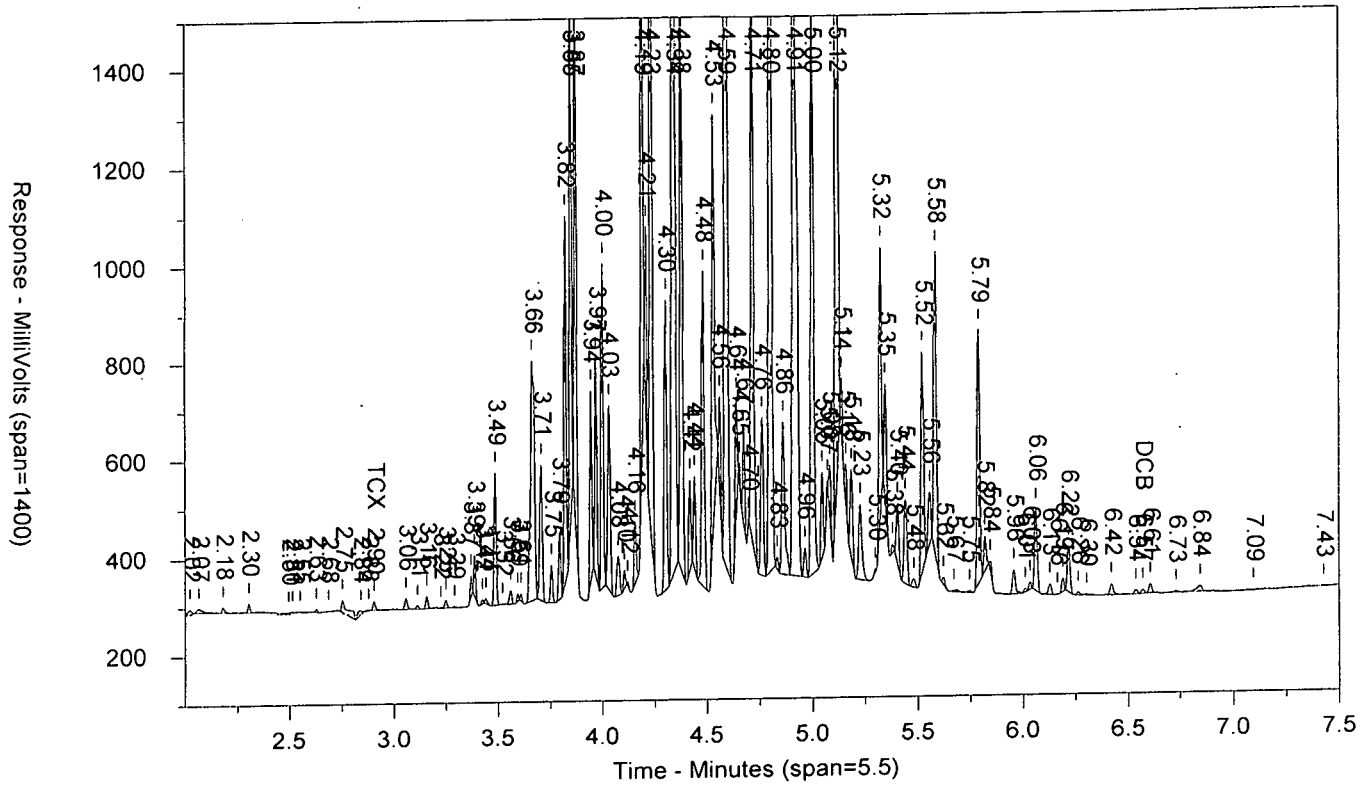

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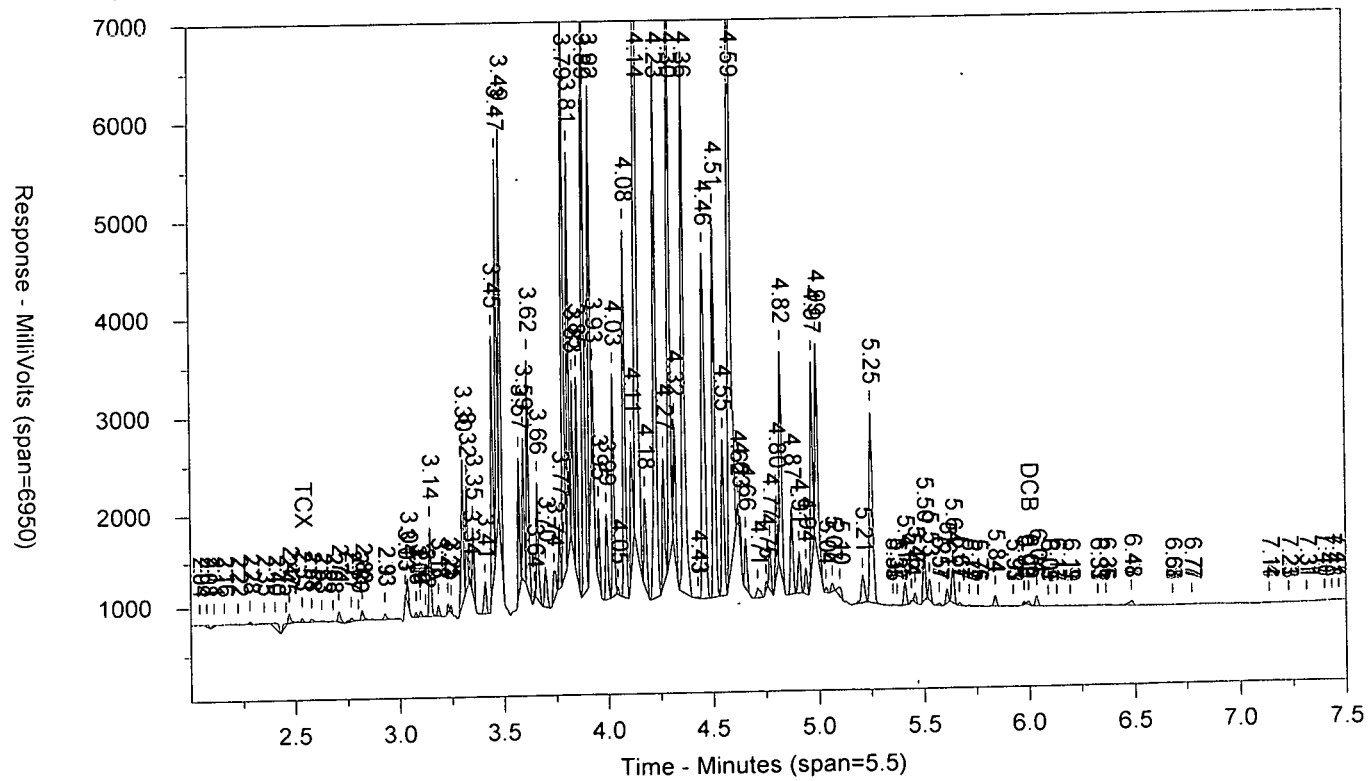

LANCASTER LABORATORIES

Sample Number: 9229375 ACF DF500 AF95A08 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 12:59:15 PM
Sample Weight: 10.44
Dilution Factor: 5000
Instrument ID: CP20-17342
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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	18089	45.397	TCX	2.533	39979	28.468	TCX
6.57	8218	30.714	DCB	5.997	35479	36.107	DCB

Files:
Area File: 20PCBs17275004.074.RAW
Area File: 20PCBs17275004B.074.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 1:07:58 PM
File Reported On: 10/5/2017 at 1:08:14 PM

9229375 ACF DF500 AF95A08 T 172760009A 10225 SW-846 8082

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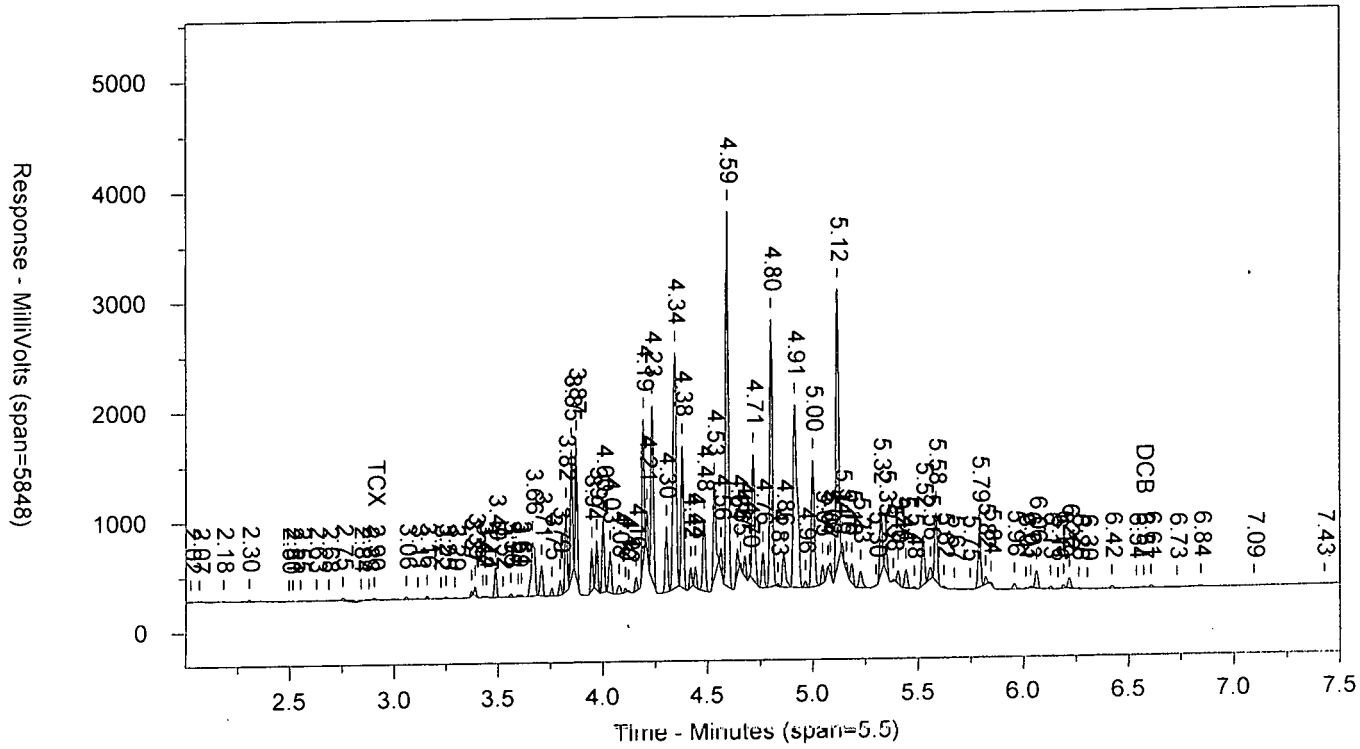

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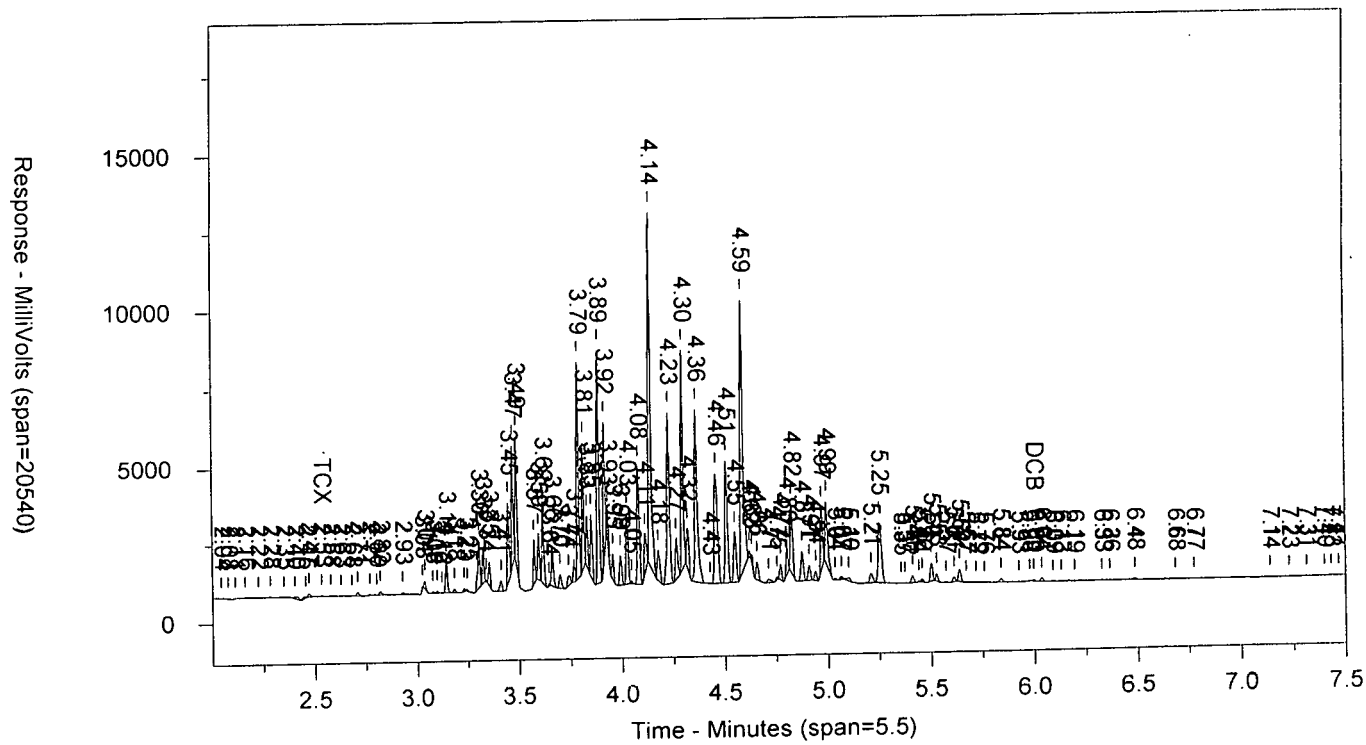

9229375 ACF DF500 AF95A08 T 172760009A 10225 SW-846 8082

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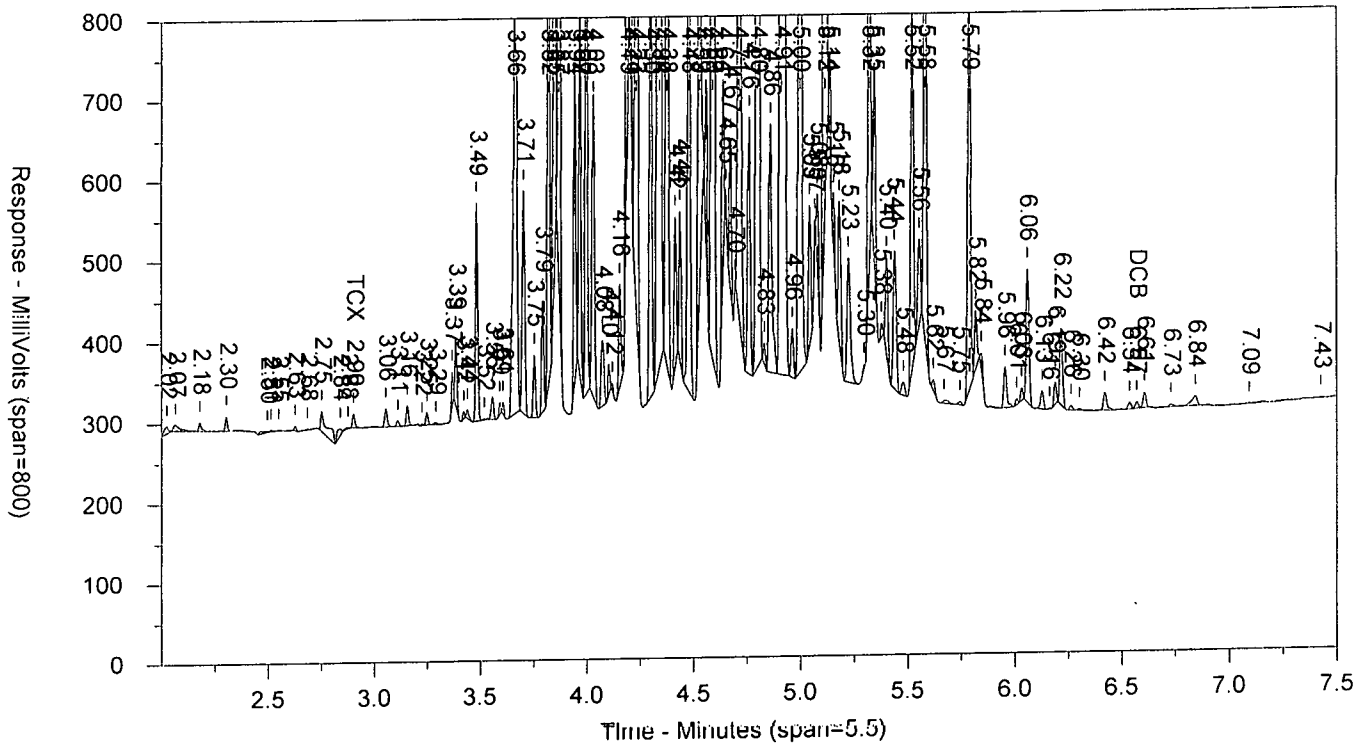

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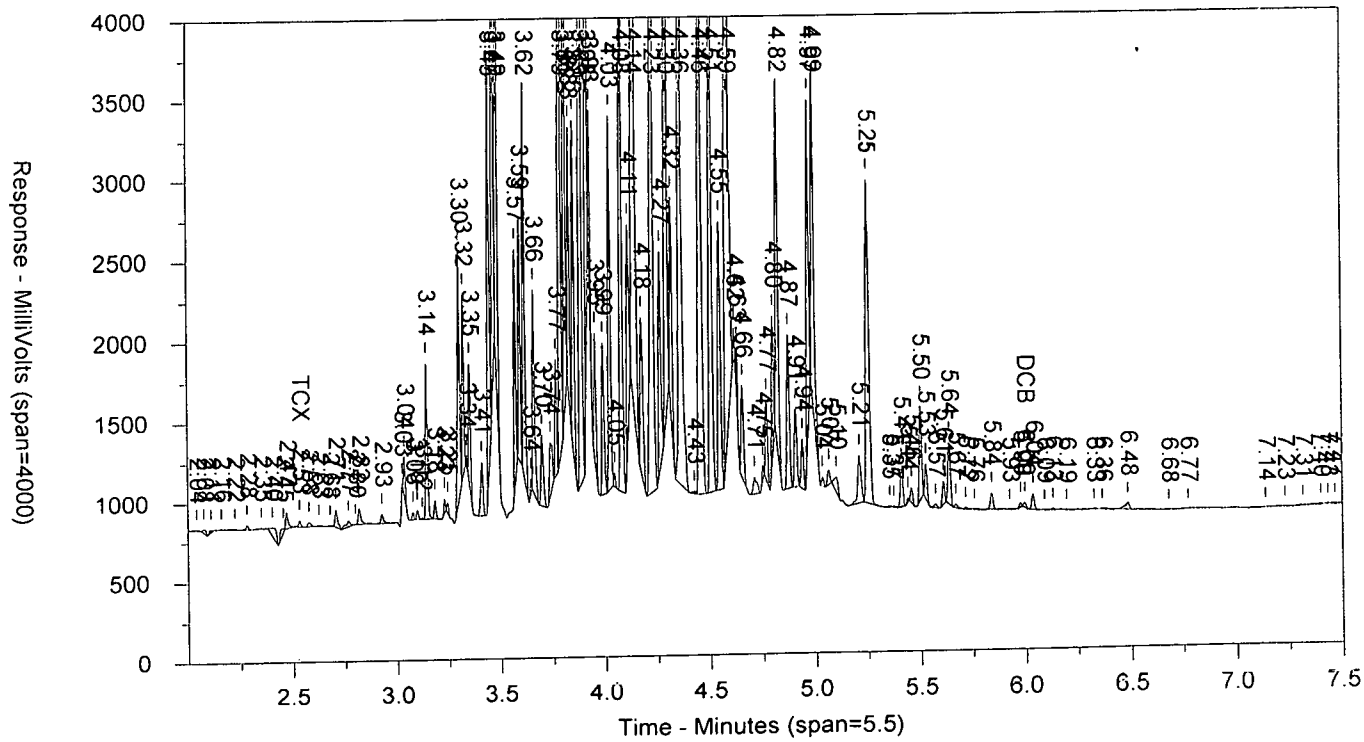

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Data Summary

Sample Name: 9229376 ACF DF2000 95A09 Sample ID: AD **Batchnumber:** 172760009A
Sample Amount: 10.4 g Total Volume: 20000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 13:10:35
Instrument	17342A
Result file	20PCBS17275004.075.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) * 545% (61 - 152) Conc: 160.0865
%SSR(DCB) * 176% (48 - 164) Conc: 45.98626

Analysis Report (B)

Injected on	Oct 05, 2017 13:10:35
Instrument	17342B
Result file	20PCBS17275004B.075.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 126% (61 - 152) Conc: 36.95194
%SSR(DCB) 139% (48 - 164) Conc: 36.20958

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	15886	160.0865	Tetrachloro-m-xylene	2.50	2.53	2.56	12924	36.95194
Decachlorobiphenyl	6.55	6.57	6.61	3064	45.98626	Decachlorobiphenyl	5.97	5.99	6.03	8861	36.20958

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	36.95194			P	124.99	
☑	Tetrachloro-m-xylene-D1	A	160.0865					
☑	Tetrachloro-m-xylene-D2	B	36.95194					
☐	Decachlorobiphenyl	A	45.98626				23.79	
☑	Decachlorobiphenyl-D1	A	45.98626					
☑	Decachlorobiphenyl-D2	B	36.20958					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**16.06**	
4.52	4.53	4.56	2544649	1257131.928854			1
4.58	4.59	4.62	5085764	1248427.60546			2
4.70	4.72	4.74	1603155	1206582.962051			3
4.79	4.80	4.83	3943480	1743827.179278			4
4.98	5.00	5.02	2618655	1624885.303756			5
5.10	5.12	5.14	3774388	1334542.577301			6

Height summation: **19570091**
Concentration CF: **1402566.25945** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**15.31**	
4.06	4.08	4.10	10345740	1227505.553213			1
4.12	4.14	4.16	18595250	1381958.675944			2
4.21	4.23	4.25	8788809	1216550.353174			3
4.34	4.36	4.38	7277787	1502062.642687			4
4.44	4.46	4.47	5752610	1214918.430595			5
4.57	4.59	4.61	14130230	1742237.892869			6

Height summation: **64890426**
Concentration CF: **1380872.25808** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<98076.9263	<19038.4622	D1		4	
☑	PCB-1221			<98076.9263	<29423.0779	D1		3	
☑	PCB-1232			<98076.9263	<23653.8469	D1		4	
☑	PCB-1242			<98076.9263	<23653.8469	D1		4	
☑	PCB-1248			<98076.9263	<19038.4622	D1		4	
☑	PCB-1254	A	1402566.25945	98076.9263	25384.6162	D1	1.56	4	
☑	PCB-1260			<98076.9263	<22500.0007	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:33

[redacted]

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229376** ACF DF2000 95A09 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.4 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:10:35
Instrument : CP20--17342A
Result file : 20PCBS17275004.075.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : *545% (61-152) Conc.: 160.0865
%SSR(DCB) : *176% (48-164) Conc.: 45.98626

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	135.44	
3.14	3.16	3.18	85559.44	54922.831847			1
3.36	3.37	3.40	119510.9	71685.978474			2
+ 3.36	3.39	3.40	59655.45	35783.006442			2
3.47	3.48	3.51	174811.1	89663.178885			3
3.68	3.70	3.72	228845.5	101177.707832			4
3.74	3.75	3.78	171440.7	89239.687302			5
3.93	3.95	3.97	1030797	681948.059251			6
+ 3.93	3.97	3.97	126945.3	83983.656303			6
Height Summation:			1810964.64				
Amount Avg CF:			181439.573932	Linear:			
Aroclor-1221					3	10.09	
3.04	3.05	3.08	25896.92	34544.400192			1
3.09	3.11	3.13	22596.59	33878.042483			2
3.14	3.16	3.18	85559.44	40533.733856			3
Height Summation:			134052.95				
Amount Avg CF:			36318.72551	Linear:			
Aroclor-1232					6	127.60	
3.14	3.16	3.18	85559.44	47024.94754			1
3.36	3.37	3.40	119510.9	164494.844194			2
+ 3.36	3.39	3.40	59655.45	82109.782062			2
3.47	3.48	3.51	174811.1	200200.517676			3
3.68	3.70	3.72	228845.5	219725.006347			4
3.74	3.75	3.78	171440.7	205702.195105			5
E 3.93	3.95	3.97	1030797	1236796.19605			6
+ 3.93	3.97	3.97	126945.3	152314.630472			6
Height Summation:			1810964.64				
Amount Avg CF:			345657.284485	Linear:			
Aroclor-1242					6	135.23	
3.14	3.16	3.18	85559.44	39181.724894			1
3.35	3.37	3.39	119510.9	52084.810569			2
+ 3.35	3.39	3.39	59655.45	25998.823644			2
3.47	3.48	3.51	174811.1	64287.397021			3
3.68	3.70	3.72	228845.5	71865.393487			4
3.74	3.75	3.78	171440.7	62048.769323			5
E 3.93	3.95	3.97	1030797	483997.651938			6
+ 3.93	3.97	3.97	126945.3	59605.554852			6
Height Summation:			1810964.64				
Amount Avg CF:			128910.957872	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 13:10:35
Instrument : CP20--17342B
Result file : 20PCBS17275004B.075.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 126% (61-152) Conc.: 36.95194
%SSR(DCB) : 139% (48-164) Conc.: 36.20958

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	100.86	
2.80	2.82	2.84	325866.2	53558.230105			1
3.13	3.15	3.17	632776.6	81709.989772			2
+ 3.32	3.32	3.36	186616.1	27336.193675			3
3.32	3.34	3.36	542850.2	79518.638551			3
3.39	3.41	3.43	664910.4	86160.050873			4
3.45	3.47	3.49	2137562	365299.241915			5
+ 3.45	3.49	3.49	657745.1	112405.528543			5
3.55	3.57	3.59	3693158	539262.952635			6
Height Summation:			7997123.4				
Amount Avg CF:			200918.183975	Linear:			
Aroclor-1221					3	13.12	
2.69	2.71	2.73	119713	34195.917607			1
2.75	2.77	2.79	96211.13	44348.647252			2
2.80	2.82	2.84	325866.2	41627.959924			3
Height Summation:			541790.33				
Amount Avg CF:			40057.508261	Linear:			
Aroclor-1232					6	110.20	
2.80	2.82	2.84	325866.2	48242.6684			1
3.13	3.15	3.17	632776.6	173170.818765			2
+ 3.32	3.32	3.36	186616.1	58126.667296			3
3.32	3.34	3.36	542850.2	169085.480658			3
3.39	3.41	3.43	664910.4	193832.452622			4
E 3.45	3.47	3.49	2137562	896471.267631			5
+ 3.45	3.49	3.49	657745.1	275851.452999			5
E 3.55	3.57	3.59	3693158	1301191.150781			6
Height Summation:			7997123.4				
Amount Avg CF:			463665.639809	Linear:			
Aroclor-1242					6	101.18	
2.80	2.82	2.84	325866.2	40669.474761			1
3.13	3.15	3.17	632776.6	63807.022198			2
+ 3.32	3.32	3.36	186616.1	20511.541858			3
3.32	3.34	3.36	542850.2	59666.31282			3
3.39	3.41	3.43	664910.4	65444.89678			4
3.45	3.47	3.49	2137562	279283.155613			5
+ 3.45	3.49	3.49	657745.1	85937.683734			5
E 3.55	3.57	3.59	3693158	414324.054008			6
Height Summation:			7997123.4				
Amount Avg CF:			153865.819364	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229376** ACF DF2000 95A09 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.4 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:10:35
Instrument : CP20--17342A
Result file : 20PCBS17275004.075.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	59.96	
3.68	3.70	3.72	228845.5	226757.97793			1
3.74	3.75	3.78	171440.7	150728.374624			2
3.81	3.82	3.85	1670512	838603.500875			3
+ 3.81	3.85	3.85	497835.9	249915.551999			3
3.93	3.95	3.97	1030797	457438.769096			4
+ 3.93	3.97	3.97	126945.3	56334.760166			4
4.02	4.03	4.06	531930.8	301268.24884			5
+ 4.20	4.21	4.24	855041.6	505640.108394			6
4.20	4.23	4.24	867896.2	513241.845359			6
Height Summation:			**4501422.2**				
Amount Avg CF:			**414673.119454**	Linear:			
Aroclor-1254					6	16.06	
4.52	4.53	4.56	2544649	1257131.928854			1
4.58	4.59	4.62	5085764	1248427.60546			2
4.70	4.72	4.74	1603155	1206582.962051			3
4.79	4.80	4.83	3943480	1743827.179278			4
4.98	5.00	5.02	2618655	1624885.303756			5
5.10	5.12	5.14	3774388	1334542.577301			6
+ 5.10	5.14	5.14	216805.9	76657.912372			6
Height Summation:			**19570091**				
Amount Avg CF:			**1402566.25945**	Linear:			
Aroclor-1260					6	81.71	
4.70	4.72	4.74	1603155	500340.570975			1
4.90	4.91	4.94	2073694	584333.601909			2
5.11	5.12	5.15	3774388	880583.992344			3
+ 5.11	5.14	5.15	216805.9	50581.923476			3
5.33	5.35	5.37	272124.9	118369.216893			4
5.57	5.58	5.61	564551.6	104747.216407			5
5.78	5.79	5.82	510185.4	146025.673574			6
Height Summation:			**8798098.9**				
Amount Avg CF:			**389066.712017**	Linear:			
Aroclor-1262					5	57.28	
5.17	5.18	5.21	135514.9	35042.971896			1
5.33	5.35	5.37	272124.9	84218.602397			2
5.57	5.58	5.61	564551.6	83168.025763			3
5.78	5.79	5.82	510185.4	108239.432339			4
6.20	6.22	6.24	46971.62	18018.395339			6
Height Summation:			**1529348.42**				
Amount Avg CF:			**65737.485547**	Linear:			
Aroclor-1268					4	100.35	
5.77	5.79	5.81	510185.4	59102.3678			1
+ 6.03	6.03	6.07	15200.06	8963.656319			4
6.03	6.06	6.07	168455.5	99340.213599			4
6.20	6.22	6.24	46971.62	17485.859918			5
6.40	6.42	6.44	13395.37	559.314467			6
Height Summation:			**739007.89**				
Amount Avg CF:			**44121.938946**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 13:10:35
Instrument : CP20--17342B
Result file : 20PCBS17275004B.075.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	92.70	
+ 3.32	3.32	3.36	186616.1	63434.750368			1
3.32	3.34	3.36	542850.2	184526.238219			1
3.39	3.41	3.43	664910.4	142064.159185			2
3.43	3.45	3.47	5257270	660471.087337			3
3.55	3.57	3.59	3693158	390850.473307			4
+ 3.64	3.64	3.68	267024.8	40866.064527			5
3.64	3.66	3.68	1785839	273308.740647			5
3.77	3.79	3.81	13567230	1385487.801116			6
Height Summation:			**25511257.6**				
Amount Avg CF:			**506118.083302**	Linear:			
Aroclor-1254					6	15.31	
4.06	4.08	4.10	10345740	1227505.553213			1
4.12	4.14	4.16	18595250	1381958.675944			2
4.21	4.23	4.25	8788809	1216550.353174			3
4.34	4.36	4.38	7277787	1502062.642687			4
4.44	4.46	4.47	5752610	1214918.430595			5
4.57	4.59	4.61	14130230	1742237.892869			6
Height Summation:			**64890426**				
Amount Avg CF:			**1380872.25808**	Linear:			
Aroclor-1260					6	101.84	
4.34	4.36	4.38	7277787	581539.487531			1
4.44	4.46	4.48	5752610	555901.618172			2
4.57	4.59	4.61	14130230	1376720.820061			3
4.78	4.80	4.82	727340.1	78935.889451			4
4.98	4.99	5.01	1826991	110562.270393			5
5.24	5.25	5.28	2099108	186868.194706			6
Height Summation:			**31814066.1**				
Amount Avg CF:			**481754.713386**	Linear:			
Aroclor-1262					6	67.68	
4.60	4.63	4.64	1015705	80302.225284			1
4.78	4.80	4.82	727340.1	54507.958989			2
4.98	4.99	5.01	1826991	90234.787281			3
5.19	5.21	5.23	172786.5	18016.531773			4
5.24	5.25	5.28	2099108	141432.199774			5
5.62	5.64	5.66	202736.6	24274.604698			6
Height Summation:			**6044667.2**				
Amount Avg CF:			**68128.0513**	Linear:			
Aroclor-1268					5	131.62	
5.19	5.21	5.23	172786.5	6720.468537			1
5.24	5.25	5.28	2099108	87106.536541			2
5.39	5.41	5.43	320560.5	13057.571453			3
5.62	5.64	5.66	202736.6	25049.59173			5
5.82	5.84	5.86	75249.95	992.079933			6
Height Summation:			**2870441.55**				
Amount Avg CF:			**26585.249639**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229376** ACF DF2000 95A09 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.4 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:10:35
Instrument : CP20--17342A
Result file : 20PCBS17275004.075.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 13:10:35
Instrument : CP20--17342B
Result file : 20PCBS17275004B.075.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			98076.92631	9038.4622		10.19	4	40	
Aroclor-1221			98076.92632	9423.0779		9.79	3	5	
Aroclor-1232			98076.92632	3653.8469	E	29.16	4	40	
Aroclor-1242			98076.92632	3653.8469	E	17.65	4	30	
Aroclor-1248			98076.92631	9038.4622		19.86	4	40	
Aroclor-1254			98076.92632	5384.6162		1.56	4	40	
Aroclor-1260			98076.92632	2500.0007		21.29	4	40	
Aroclor-1262			98076.92631	9038.4622		3.57	4	40	
Aroclor-1268			98076.92631	9038.4622		** 49.60	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229376 ACF DF2000 AD95A09 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:10:35 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.075.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.023		102782	99733
2.061		2245	2341
2.18		173352	129119
2.304		8593	6091
2.471		1507	2053
2.493		1308	730
2.517		1314	915
2.548		1981	2437
2.628		55760	36702
2.677		1064	762
2.759		1261	964
2.844		1928	2511
2.875		1061	1274
2.902	TCX	15886	12491
3.009		893	807
3.054		25897	23335
3.109		22597	16512
3.155		85559	61656
3.21		3706	2757
3.249		18094	14391
3.293		2263	2261
3.331		1131	544
3.37		119511	72778
3.386		59655	33370
3.423		13372	7406
3.439		17603	15919
3.484		174811	127891
3.518		1400	948
3.536		2200	1116
3.559		39401	26744
3.593		33960	19593
3.608		16104	7575
3.651		71036	37022
3.662		162839	95120
3.699		228846	182357
3.755		171441	123994
3.794		28855	18861
3.822		1670512	1178526
3.848		497836	355099
3.871		131032	75455
3.945		1030797	742501
3.969		126945	75407
3.999		189209	134063
4.032		531931	459734
4.072		110867	89094
4.118		18194	22367
4.156		98169	70409
4.191		2423894	1693993
4.208		855042	443328
4.233		867896	701423
4.302		713951	575533
4.344		3652121	3990083
4.377		1508533	1140417
4.417		59865	38871

RT A	Compound A	Height A	Area A
4.439		225703	172976
4.481		1270616	1098437
4.531		2544649	2090033
4.561		597164	388048
4.592		5085764	4404412
4.64		254713	176236
4.654		67928	25931
4.675		618620	453577
4.715		1603155	1583867
4.762		310095	285802
4.802		3943480	3337930
4.833		62381	39697
4.861		306671	250655
4.88		50776	30067
4.914		2073694	3043519
4.963		52053	39276
4.998		2618655	2666420
5.045		301010	230742
5.07		103999	63333
5.083		102382	62703
5.118		3774388	3293269
5.14		216806	101631
5.158		138089	76656
5.184		135515	96768
5.226		156560	183767
5.324		1054342	854731
5.347		272125	179193
5.38		25979	20849
5.403		118554	97375
5.44		200889	203748
5.478		25937	27293
5.523		733207	651069
5.558		167725	164585
5.584		564552	477107
5.621		19009	16333
5.675		3444	6246
5.747		5306	5213
5.789		510185	469307
5.82		96566	114766
5.884		1847	2117
5.956		70436	70386
6.011		8801	6685
6.033		15200	10578
6.06		168456	155662
6.127		29220	29245
6.165		1618	1377
6.189		36751	30329
6.217		46972	40515
6.263		3722	3590
6.421		13395	16327
6.535		10277	9892
6.567	DCB	3064	2878
6.606		21957	24105
6.732		3206	3563
6.841		12727	28104
7.158		817	685
7.457		535	3014
7.504		1611	1829
7.596		785	716
7.726		877	1789
7.885		2017	5117
8.01		900	566
8.072		1061	1119
8.259		1374	4077
8.364		3962	8478
8.517		7471	17871

LANCASTER LABORATORIES

Sample Number: 9229376 ACF DF2000 AD95A09 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:10:35 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.075.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.077		21578	23264
2.129		9933	32607
2.158		3350	2172
2.175		3631	2453
2.222		6630	7022
2.283		215120	143181
2.333		3170	2754
2.458		18835	57093
2.517		3193	1328
2.533	TCX	12924	8618
2.578		45967	46988
2.639		7208	10723
2.675		3326	1967
2.707		119713	103703
2.766		96211	87191
2.818		325866	211533
2.84		13338	5844
2.867		4531	4986
2.929		66321	52525
3.025		325604	173502
3.036		99855	37111
3.076		81342	47236
3.098		97653	59601
3.122		40405	20891
3.146		632777	448229
3.184		171538	111934
3.23		150177	83280
3.245		102227	55181
3.295		189978	107028
3.304		620658	279650
3.324		186616	80128
3.338		542850	426219
3.41		664910	441857
3.447		5257270	3325323
3.47		2137562	1203115
3.488		657745	327735
3.572		3693159	2339405
3.595		561282	298412
3.616		754556	498592
3.645		267025	133887
3.661		1785839	1122672
3.7		542789	384801
3.74		309655	267910
3.768		1528061	845129
3.788		13567230	8615387
3.813		2088555	1169246
3.832		1468232	803704
3.852		2537024	1584902
3.887		12399700	8246978
3.917		4781643	2766859
3.932		2099558	982025
3.992		1027338	741370
4.025		4438627	3250716
4.081		10345740	7375127

RT B	Compound B	Height B	Area B
4.112		3081304	2255978
4.139		18595250	13291570
4.177		1350231	1307674
4.229		8788809	7122919
4.265		1423116	1051145
4.297		11623820	7986648
4.32		1628698	1091260
4.362		7277787	6773162
4.457		5752610	6445050
4.508		9260433	7358667
4.548		2316960	1959682
4.585		14130230	12937050
4.63		1015705	774748
4.655		596833	459834
4.711		188144	205176
4.752		77505	42109
4.77		711701	514818
4.801		727340	483022
4.823		4111671	3201876
4.874		1032664	873472
4.909		559716	479769
4.939		315458	243198
4.971		3334636	2526088
4.994		1826991	1586581
5.035		57814	39197
5.064		96428	78443
5.093		7492	6758
5.21		172787	240678
5.251		2099108	2180958
5.352		8432	6760
5.375		7140	4379
5.409		320561	276262
5.439		34925	21262
5.457		109539	74529
5.502		698765	564141
5.527		171707	122668
5.575		32469	27462
5.611		191316	151023
5.638		202737	160723
5.669		14316	13979
5.756		5038	6841
5.838		75250	68084
5.976		47557	37273
5.995	DCB	8861	5055
6.035		117947	106745
6.091		3689	2573
6.129		14384	13170
6.171		8572	9039
6.216		3273	2352
6.28		2850	1862
6.324		6734	8437
6.378		7709	12840
6.484		45750	84422
6.686		3265	5908
6.78		1769	1622
6.901		2912	3899
7.074		1891	1418
7.188		2269	6867
7.31		3678	10417
7.468		5992	12102
7.574		2222	3811
7.69		3140	3985
7.732		2823	2041
7.833		22183	48167
7.911		2764	2413
7.934		2973	1008

RT B	Compound B	Height B	Area B
8.011		13352	23855
8.243		2105	13642
8.315		2344	1744
8.35		6693	16456
8.449		2001	1385
8.566		1828	6567
8.653		2769	1521

9229376 ACF DF2000 AD95A09 T 172760009A 10225 SW-846 8082

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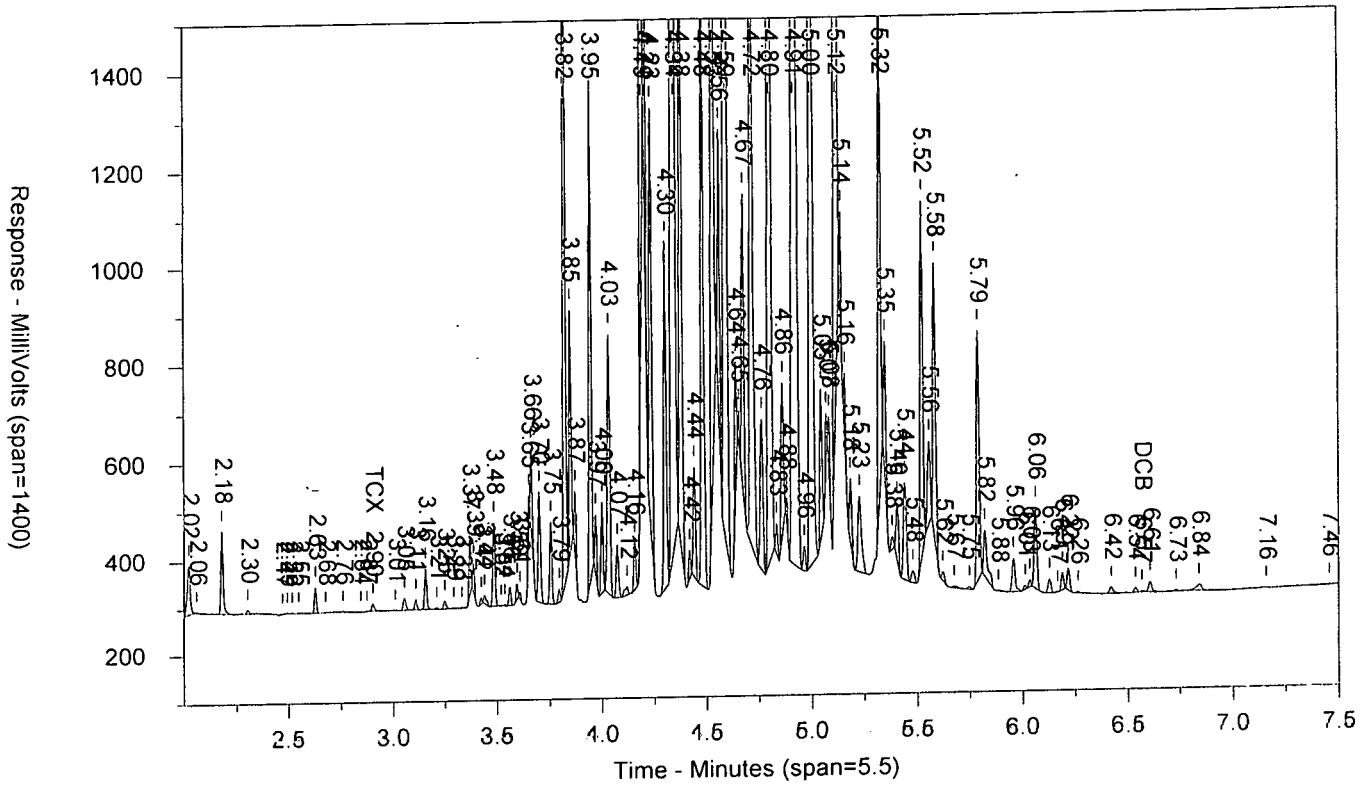

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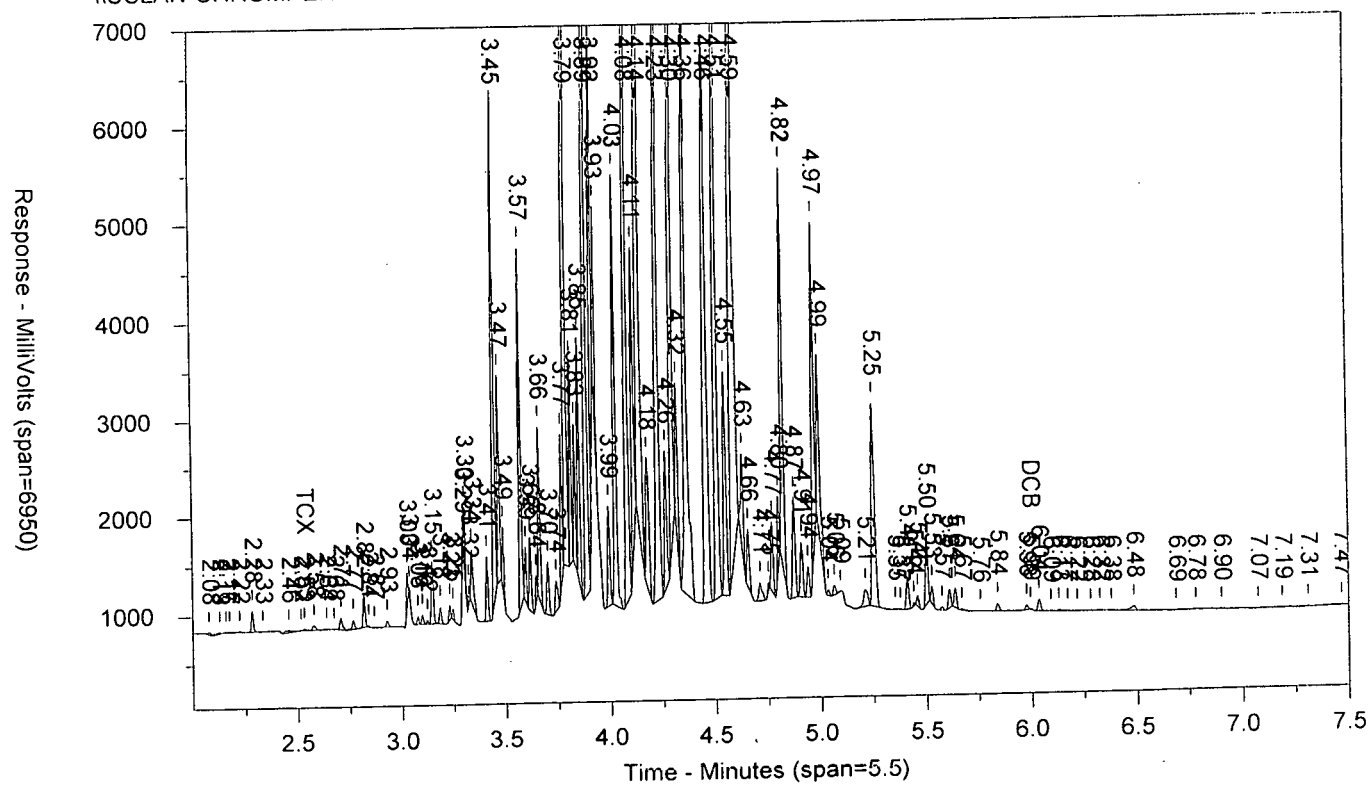

LANCASTER LABORATORIES

Sample Number: 9229376 ACF DF2000 AD95A09 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:10:35 PM
Sample Weight: 10.4
Dilution Factor: 20000
Instrument ID: CP20-17342
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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.902	15886	160.087	TCX	2.533	12924	36.952	TCX
6.567	3064	45.986	DCB	5.995	8861	36.21	DCB

Files:
Area File: 20PCBs17275004.075.RAW
Area File: 20PCBs17275004B.075.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 1:19:16 PM
File Reported On: 10/5/2017 at 1:19:28 PM

9229376 ACF DF2000 AD95A09 T 172760009A 10225 SW-846 8082

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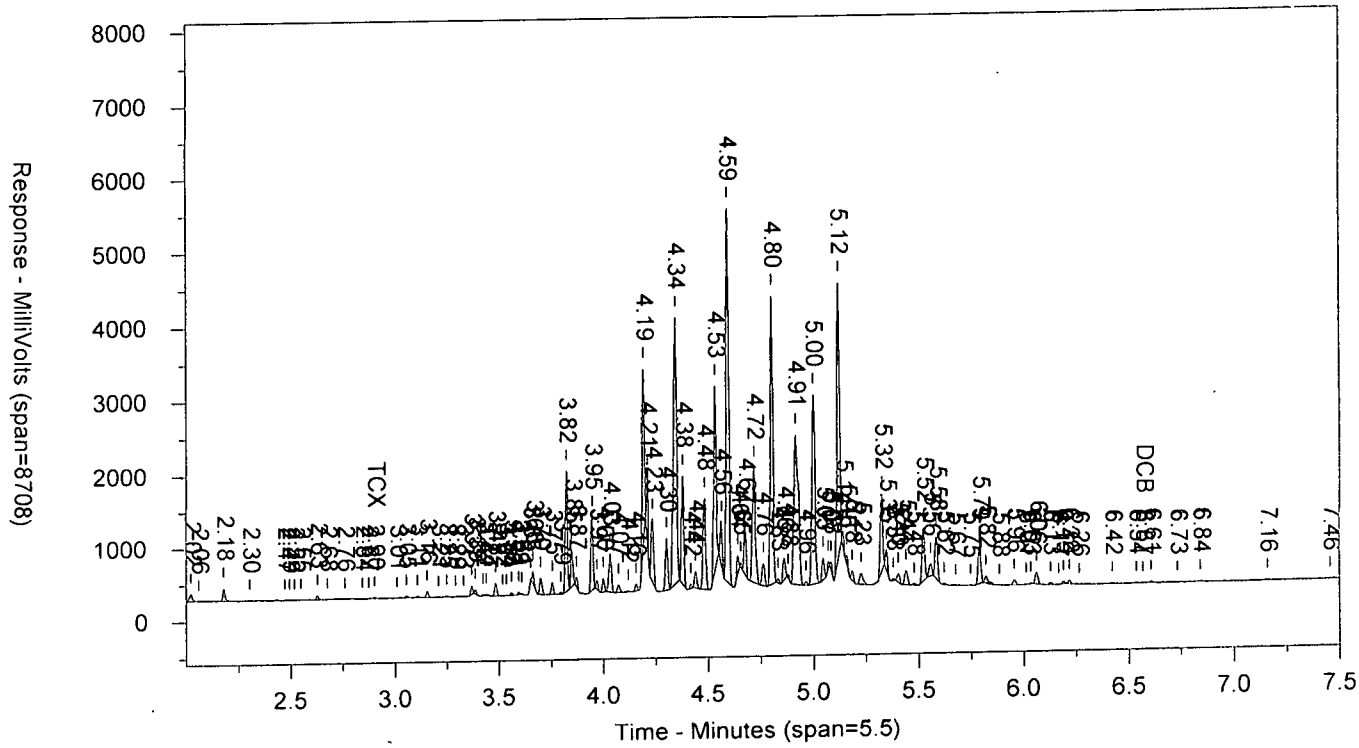

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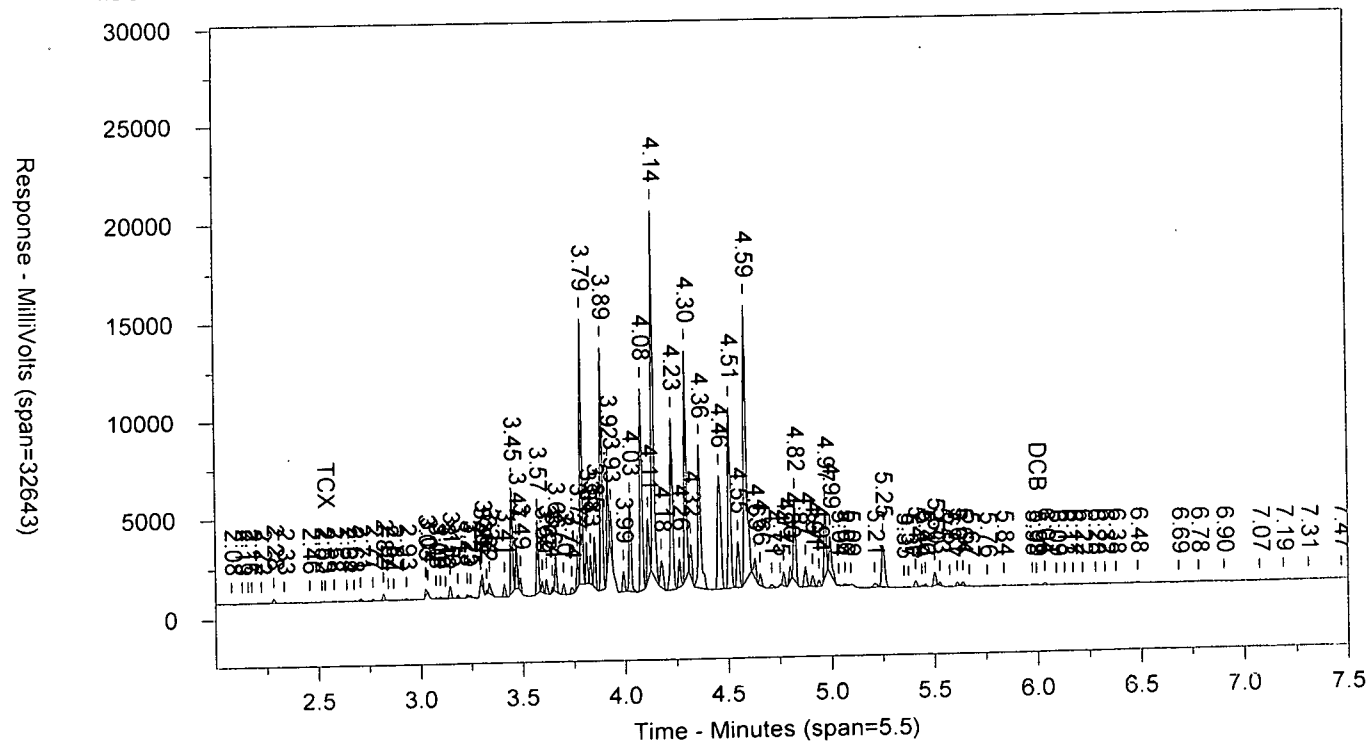

9229376 ACF DF2000 AD95A09 T 172760009A 10225 SW-846 8082

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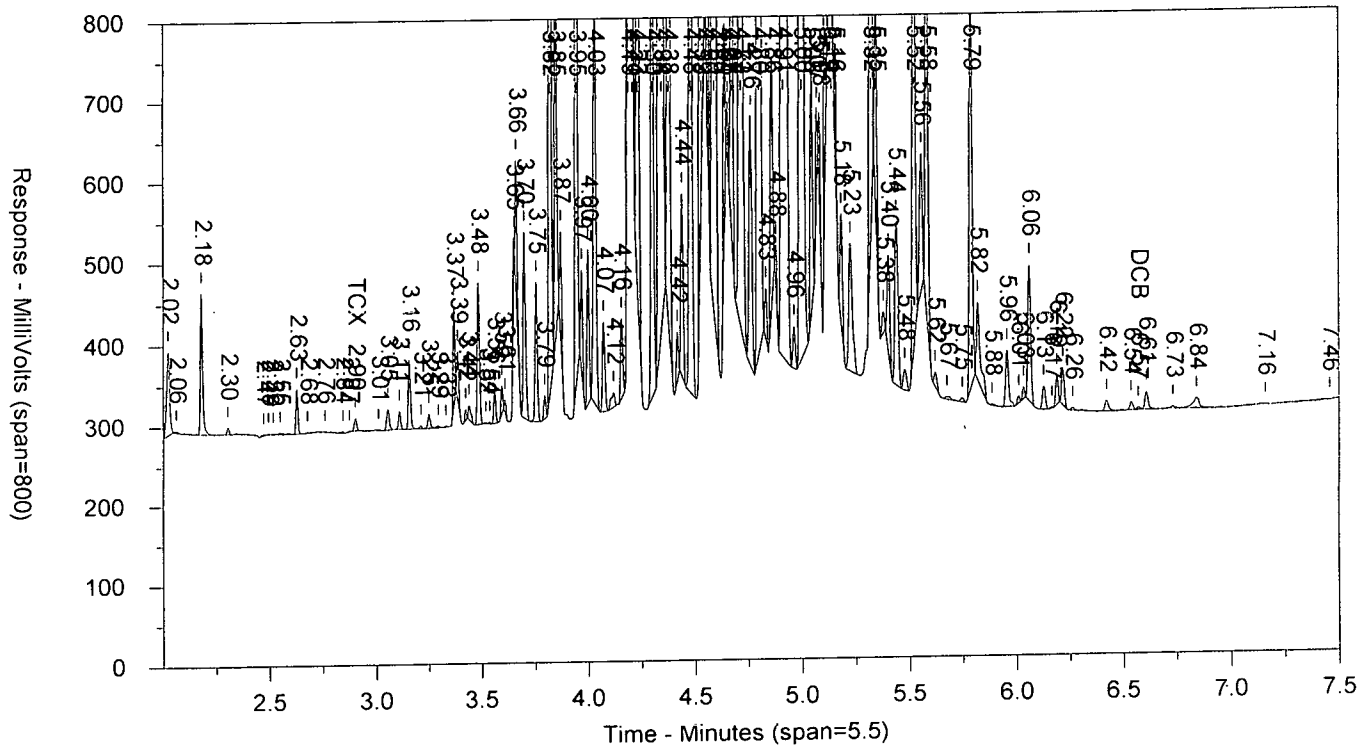

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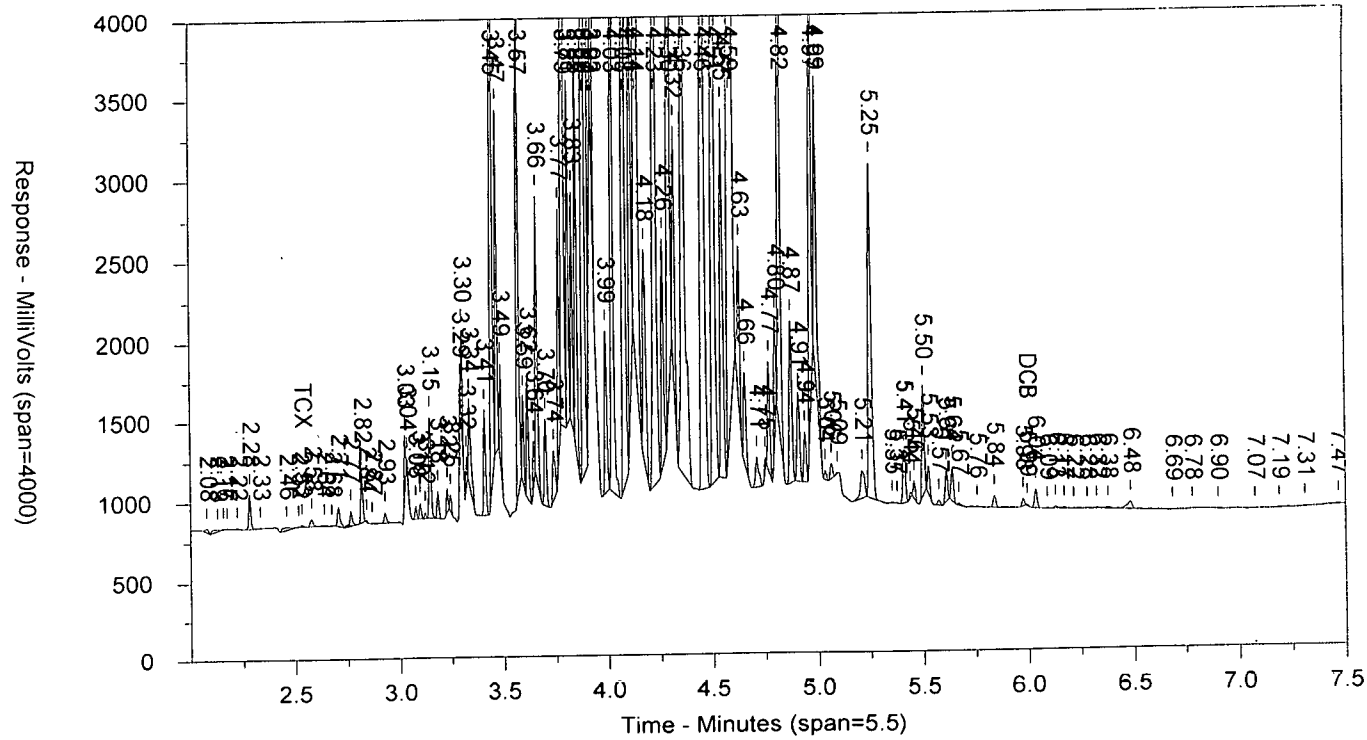

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Data Summary

Sample Name: 9229377 RI ACF DF100 95A10 Sample ID: AD **Batchnumber:** 172760009A
Sample Amount: 10.21 g Total Volume: 10000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 13:22:04
Instrument	17342A
Result file	20PCBS17275004.076.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) * 343% (61 - 152) Conc: 102.506
%SSR(DCB) * 170% (48 - 164) Conc: 45.12569

Analysis Report (B)

Injected on	Oct 05, 2017 13:22:04
Instrument	17342B
Result file	20PCBS17275004B.076.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 146% (61 - 152) Conc: 43.82555
%SSR(DCB) * 169% (48 - 164) Conc: 45.01396

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	19973	102.506
Decachlorobiphenyl	6.55	6.57	6.61	5904	45.12569

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	30096	43.82555
Decachlorobiphenyl	5.97	6.00	6.03	21628	45.01396

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	43.82555			P	80.20	
☑	Tetrachloro-m-xylene-D1	A	102.506					
☑	Tetrachloro-m-xylene-D2	B	43.82555					
☐	Decachlorobiphenyl	A	45.12569				0.25	
☑	Decachlorobiphenyl-D1	A	45.12569					
☑	Decachlorobiphenyl-D2	B	45.01396					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**15.50**	
4.52	4.53	4.56	2757437	693802.996799			1
4.58	4.59	4.62	6450064	806396.780956			2
4.70	4.72	4.74	1978049	758221.895879			3
4.79	4.80	4.83	4503436	1014250.88767			4
4.98	5.00	5.02	3181534	1005445.641528			5
5.10	5.12	5.14	4554479	820166.821827			6

Height summation: **23424999**
Concentration CF: **849714.170777** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						11.79	
4.06	4.08	4.10	11357370	686305.187612			1
4.12	4.14	4.16	21151400	800589.251612			2
4.21	4.23	4.25	10056070	708934.239565			3
4.34	4.36	4.38	8524724	896079.687397			4
4.44	4.46	4.47	6755740	726662.447313			5
4.57	4.59	4.61	14194240	891349.386481			6

Height summation: **72039544**
Concentration CF: **784986.699997** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49951.0303	<9696.3765	D1		4	
☑	PCB-1221			<49951.0303	<14985.3091	D1		3	
☑	PCB-1232			<49951.0303	<12047.0132	D1		4	
☑	PCB-1242			<49951.0303	<12047.0132	D1		4	
☑	PCB-1248			<49951.0303	<9696.3765	D1		4	
☑	PCB-1254	A	849714.170777	49951.0303	12928.502	D1	7.92	4	
☑	PCB-1260			<49951.0303	<11459.354	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:35

[redacted]

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229377** RI ACF DF100 95A10 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.21 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:22:04
Instrument : CP20--17342A
Result file : 20PCBS17275004.076.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : *343% (61-152) Conc.: 102.506
%SSR(DCB) : *170% (48-164) Conc.: 45.12569

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**159.77**	
3.14	3.16	3.18	26227.43	8574.687993			1
3.36	3.37	3.40	52541.34	16051.123889			2
+ 3.36	3.39	3.40	45757.56	13978.712085			2
3.47	3.49	3.51	141298.9	36911.484248			3
3.68	3.70	3.72	151989.8	34224.294508			4
3.74	3.76	3.78	166932.6	44255.053259			5
3.93	3.95	3.97	1003592	338152.76595			6
+ 3.93	3.97	3.97	128308.8	43232.683816			6
Height Summation:			**1542582.07**				
Amount Avg CF:			**79694.901641**	Linear:			
Aroclor-1221					**3**	**39.67**	
3.04	3.05	3.08	17867.34	12138.556507			1
3.09	3.11	3.13	8527.986	6511.776451			2
3.14	3.16	3.18	26227.43	6328.226519			3
Height Summation:			**52622.756**				
Amount Avg CF:			**8326.186492**	Linear:			
Aroclor-1232					**6**	**149.43**	
3.14	3.16	3.18	26227.43	7341.650812			1
3.36	3.37	3.40	52541.34	36831.848842			2
+ 3.36	3.39	3.40	45757.56	32076.371354			2
3.47	3.49	3.51	141298.9	82416.197445			3
3.68	3.70	3.72	151989.8	74324.013552			4
3.74	3.76	3.78	166932.6	102010.236422			5
E 3.93	3.95	3.97	1003592	613281.391358			6
Height Summation:			**1542582.07**				
Amount Avg CF:			**152700.889738**	Linear:			
Aroclor-1242					**6**	**159.77**	
3.14	3.16	3.18	26227.43	6117.147545			1
3.35	3.37	3.39	52541.34	11662.249229			2
+ 3.35	3.39	3.39	45757.56	10156.499032			2
3.47	3.49	3.51	141298.9	26465.080448			3
3.68	3.70	3.72	151989.8	24309.133349			4
3.74	3.76	3.78	166932.6	30770.744206			5
E 3.93	3.95	3.97	1003592	239996.496061			6
Height Summation:			**1542582.07**				
Amount Avg CF:			**56553.47514**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 13:22:04
Instrument : CP20--17342B
Result file : 20PCBS17275004B.076.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 146% (61-152) Conc.: 43.82555
%SSR(DCB) : *169% (48-164) Conc.: 45.01396

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	114.07	
2.80	2.82	2.84	96103.56	8044.591168			1
3.13	3.15	3.17	494528.7	32523.2433			2
+ 3.32	3.32	3.36	187194	13965.563367			3
3.32	3.34	3.36	325531.5	24286.199297			3
3.39	3.41	3.43	630763.8	41628.156946			4
3.45	3.47	3.49	2036427	177246.022724			5
+ 3.45	3.49	3.49	544642.7	47404.474789			5
3.55	3.57	3.59	3518648	261671.317916			6
Height Summation:			**7102002.56**				
Amount Avg CF:			**90899.921892**	Linear:			
Aroclor-1221					3	49.20	
2.69	2.71	2.73	132865.2	19329.55228			1
2.75	2.77	2.79	64449.91	15130.559181			2
2.80	2.82	2.84	96103.56	6252.632286			3
Height Summation:			**293418.67**				
Amount Avg CF:			**13570.914582**	Linear:			
Aroclor-1232					6	119.27	
2.80	2.82	2.84	96103.56	7246.179408			1
3.13	3.15	3.17	494528.7	68927.638919			2
+ 3.32	3.32	3.36	187194	29695.855432			3
3.32	3.34	3.36	325531.5	51641.27249			3
3.39	3.41	3.43	630763.8	93649.988332			4
E 3.45	3.47	3.49	2036427	434974.805424			5
+ 3.45	3.49	3.49	544642.7	116334.075544			5
E 3.55	3.57	3.59	3518648	631388.456452			6
Height Summation:			**7102002.56**				
Amount Avg CF:			**214638.056837**	Linear:			
Aroclor-1242					6	114.30	
2.80	2.82	2.84	96103.56	6108.665219			1
3.13	3.15	3.17	494528.7	25397.277774			2
+ 3.32	3.32	3.36	187194	10478.973078			3
3.32	3.34	3.36	325531.5	18222.997662			3
3.39	3.41	3.43	630763.8	31619.647469			4
3.45	3.47	3.49	2036427	135510.351148			5
+ 3.45	3.49	3.49	544642.7	36242.263301			5
E 3.55	3.57	3.59	3518648	201046.114381			6
Height Summation:			**7102002.56**				
Amount Avg CF:			**69650.842276**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229377** RI ACF DF100 95A10 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.21 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:22:04
Instrument : CP20--17342A
Result file : 20PCBS17275004.076.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**62.39**	
3.68	3.70	3.72	151989.8	76702.981171			1
3.74	3.76	3.78	166932.6	74748.045946			2
3.81	3.82	3.85	1620763	414385.152982			3
3.93	3.95	3.97	1003592	226826.930474			4
+ 3.93	3.97	3.97	128308.8	28999.724247			4
4.02	4.03	4.06	615973.5	177679.717718			5
+ 4.20	4.21	4.24	742552.9	223645.04011			6
4.20	4.23	4.24	996185.7	300035.177067			6
Height Summation:			**4555436.6**				
Amount Avg CF:			**211729.66756**	Linear:			
Aroclor-1254					**6**	**15.50**	
4.52	4.53	4.56	2757437	693802.996799			1
4.58	4.59	4.62	6450064	806396.780956			2
4.70	4.72	4.74	1978049	758221.895879			3
4.79	4.80	4.83	4503436	1014250.88767			4
4.98	5.00	5.02	3181534	1005445.641528			5
5.10	5.12	5.14	4554479	820166.821827			6
+ 5.10	5.14	5.14	269497.1	48530.815489			6
Height Summation:			**23424999**				
Amount Avg CF:			**849714.170776**	Linear:			
Aroclor-1260					**6**	**83.95**	
4.70	4.72	4.74	1978049	314416.155574			1
4.90	4.91	4.94	2272515	326137.358938			2
5.11	5.12	5.15	4554479	541178.518121			3
+ 5.11	5.14	5.15	269497.1	32022.552133			3
5.33	5.35	5.37	327531.8	72560.716991			4
5.57	5.58	5.61	565061.9	53396.461147			5
5.78	5.79	5.82	586882.9	85552.016236			6
Height Summation:			**10284519.6**				
Amount Avg CF:			**232206.871168**	Linear:			
Aroclor-1262					**5**	**57.76**	
5.17	5.19	5.21	155275.5	20450.052126			1
5.33	5.35	5.37	327531.8	51626.278642			2
5.57	5.58	5.61	565061.9	42396.145775			3
5.78	5.79	5.82	586882.9	63414.202765			4
6.20	6.22	6.24	55143.11	10773.316786			6
Height Summation:			**1689895.21**				
Amount Avg CF:			**37731.999219**	Linear:			
Aroclor-1268					**4**	**100.70**	
5.77	5.79	5.81	586882.9	34626.285953			1
+ 6.03	6.03	6.07	20185.39	6062.540331			4
6.03	6.06	6.07	197907.3	59440.069672			4
6.20	6.22	6.24	55143.11	10454.910365			5
6.40	6.42	6.44	16939.78	360.235664			6
Height Summation:			**856873.09**				
Amount Avg CF:			**26220.375413**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 13:22:04
Instrument : CP20--17342B
Result file : 20PCBS17275004B.076.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**96.44**	
+ 3.32	3.32	3.36	187194	32407.658376			1
3.32	3.34	3.36	325531.5	56357.114238			1
3.39	3.41	3.43	630763.8	68638.180398			2
3.43	3.45	3.47	5053630	323351.271077			3
3.55	3.57	3.59	3518648	189655.821819			4
+ 3.64	3.65	3.68	271278.5	21144.829856			5
3.64	3.66	3.68	1937929	151052.070027			5
3.77	3.79	3.81	13260440	689679.083791			6
Height Summation:			**24726942.3**				
Amount Avg CF:			**246455.590225**	Linear:			
Aroclor-1254					**6**	**11.79**	
4.06	4.08	4.10	11357370	686305.187612			1
4.12	4.14	4.16	21151400	800589.251612			2
4.21	4.23	4.25	10056070	708934.239565			3
4.34	4.36	4.38	8524724	896079.687397			4
4.44	4.46	4.47	6755740	726662.447313			5
4.57	4.59	4.61	14194240	891349.386481			6
Height Summation:			**72039544**				
Amount Avg CF:			**784986.699997**	Linear:			
Aroclor-1260					**6**	**93.97**	
4.34	4.36	4.38	8524724	346926.757504			1
4.44	4.46	4.48	6755740	332493.787363			2
4.57	4.59	4.61	14194240	704346.555278			3
4.78	4.80	4.82	859601.9	47512.944252			4
4.98	4.99	5.01	2074074	63925.243247			5
5.24	5.25	5.28	2426855	110032.76757			6
Height Summation:			**34835234.9**				
Amount Avg CF:			**267539.675869**	Linear:			
Aroclor-1262					**6**	**65.76**	
4.60	4.63	4.64	1206127	48565.809399			1
4.78	4.80	4.82	859601.9	32809.329632			2
4.98	4.99	5.01	2074074	52172.234757			3
5.19	5.21	5.23	224988.2	11948.096652			4
5.24	5.25	5.28	2426855	83278.892854			5
5.62	5.64	5.66	243220.6	14831.940156			6
Height Summation:			**7034866.7**				
Amount Avg CF:			**40601.050575**	Linear:			
Aroclor-1268					**6**	**124.01**	
5.19	5.21	5.23	224988.2	4456.840453			1
5.24	5.25	5.28	2426855	51290.554308			2
5.39	5.41	5.43	378452.6	7851.298677			3
5.46	5.46	5.50	129115.3	10018.228312			4
5.62	5.64	5.66	243220.6	15305.462235			5
5.82	5.84	5.86	88620.38	595.047533			6
Height Summation:			**3491252.08**				
Amount Avg CF:			**14919.57192**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229377** RI ACF DF100 95A10 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.21 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:22:04
Instrument : CP20--17342A
Result file : 20PCBS17275004.076.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 13:22:04
Instrument : CP20--17342B
Result file : 20PCBS17275004B.076.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49951.0303	9696.3765		13.14	4	40	
Aroclor-1221			49951.0303	14985.3091		** 47.90	3	5	
Aroclor-1232			49951.0303	12047.0132	E	33.72	4	40	
Aroclor-1242			49951.0303	12047.0132	E	20.76	4	30	
Aroclor-1248			49951.0303	9696.3765		15.16	4	40	
Aroclor-1254			49951.0303	12928.502		7.92	4	40	
Aroclor-1260			49951.0303	11459.354		14.14	4	40	
Aroclor-1262			49951.0303	9696.3765		7.33	4	40	
Aroclor-1268			49951.0303	9696.3765		** 54.94	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229377 RI ACF DF100AD95A10 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:22:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.076.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.015		28420	32709
2.059		2846	3000
2.18		21746	18204
2.304		7071	4645
2.35		819	699
2.487		1073	8947
2.552		1642	2375
2.628		42692	28078
2.836		6250	7208
2.904	TCX	19973	44307
3.054		17867	16644
3.111		8528	7504
3.156		26227	20402
3.249		20081	24813
3.288		2109	2246
3.371		52541	30749
3.387		45758	27263
3.424		14516	7655
3.44		18856	15305
3.486		141299	100267
3.537		4980	3189
3.561		35611	23824
3.594		29565	17686
3.609		12352	5744
3.663		301740	343502
3.701		151990	122875
3.756		166933	122778
3.796		24247	15746
3.823		1620763	1164650
3.85		479701	357761
3.872		81409	44788
3.897		3711	2248
3.946		1003592	734045
3.97		128309	79387
4		190407	133493
4.034		615974	504098
4.073		116505	93668
4.12		20472	25504
4.158		107042	78254
4.192		2779277	1926909
4.211		742553	382408
4.235		996186	817788
4.303		800175	639927
4.344		4390246	4604591
4.379		1679807	1325649
4.419		68272	44419
4.441		260065	197079
4.483		1532539	1271986
4.532		2757437	2227077
4.563		664635	461687
4.593		6450064	5210894
4.642		274376	195327
4.656		79436	30512
4.676		714305	521720

RT A	Compound A	Height A	Area A
4.717		1978049	1843690
4.763		386928	339520
4.803		4503436	3939954
4.834		68701	43928
4.862		371705	301351
4.882		58459	31584
4.915		2272515	3421864
4.965		63086	46985
5.001		3181534	3171691
5.047		332590	262727
5.072		105159	74025
5.085		122334	71294
5.119		4554479	3973799
5.142		269497	133677
5.16		163864	102976
5.185		155276	110937
5.228		192091	218418
5.325		1193070	1018229
5.348		327532	219759
5.382		21249	15275
5.404		150431	124577
5.441		239271	235196
5.479		28366	30206
5.524		858438	770851
5.558		219494	200282
5.585		565062	495590
5.622		21804	18245
5.676		4378	6744
5.748		6694	5767
5.79		586883	557840
5.82		116752	136546
5.912		3124	3694
5.957		77850	82142
6.011		10294	7925
6.033		20185	13678
6.061		197907	183199
6.129		34387	33292
6.161		2139	1503
6.191		39784	34648
6.22		55143	48336
6.264		3747	4058
6.423		16940	18626
6.487		1443	2703
6.539		11824	11661
6.571	DCB	5904	5345
6.608		25498	28125
6.733		3592	5848
6.845		12106	24353
7.292		749	1152
7.43		918	1150
7.517		1441	2466
7.894		1535	3589
8.043		910	210
8.085		1104	2679
8.232		728	970
8.36		3150	5622
8.517		8313	18347
8.643		750	2310

LANCASTER LABORATORIES

Sample Number: 9229377 RI ACF DF100AD95A10 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:22:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.076.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.051		1614	5805
2.077		65573	68459
2.128		41319	140848
2.157		4736	6232
2.221		6321	10020
2.283		167104	111139
2.335		6653	10852
2.401		81698	199174
2.469		25529	145551
2.488		3266	1795
2.533	TCX	30096	22436
2.578		25305	37510
2.629		11696	14979
2.708		132865	175904
2.768		64450	143270
2.819		96104	64541
2.84		15321	7027
2.863		2621	5756
2.929		59909	68418
2.999		45091	43465
3.027		100325	53404
3.036		114617	49774
3.076		81113	47163
3.098		98646	62668
3.122		35706	18260
3.145		494529	358842
3.184		172907	112895
3.23		136790	74078
3.245		92101	108314
3.304		1081168	965176
3.324		187194	86380
3.339		325532	288662
3.412		630764	413287
3.448		5053631	3151082
3.471		2036427	1142003
3.488		544643	270998
3.573		3518648	2258480
3.596		563920	295998
3.617		757972	501237
3.646		271279	132630
3.662		1937929	1225692
3.701		591722	410116
3.74		346273	283816
3.768		1549196	859873
3.79		13260440	8454868
3.814		2352122	1296559
3.833		1574301	874222
3.853		2754264	1709201
3.887		13844660	9366867
3.919		5498232	3191372
3.934		2180156	1045897
3.993		1174357	838877
4.026		3983986	2830257
4.048		84689	40910

RT B	Compound B	Height B	Area B
4.082		11357370	8235043
4.114		3442852	2535831
4.141		21151400	15499740
4.178		1517756	1494362
4.23		10056070	8247929
4.266		1640475	1234059
4.297		9964376	7146336
4.321		1883651	1301917
4.364		8524724	7809497
4.458		6755741	7439612
4.509		10638560	8559362
4.549		2663587	2334294
4.587		14194240	13283070
4.631		1206127	892494
4.657		666022	527655
4.712		219520	248066
4.754		78012	44332
4.771		777587	591051
4.802		859602	578876
4.824		4753134	3726305
4.875		1070384	877116
4.91		648464	550353
4.941		360570	280614
4.972		3858248	2922642
4.995		2074074	1874443
5.037		66483	44422
5.066		113985	91501
5.1		76051	93741
5.13		20491	35207
5.212		224088	350062
5.252		2426855	2561845
5.355		10585	9165
5.411		378453	322247
5.44		26598	14702
5.458		129115	93138
5.503		797207	649018
5.527		202267	141179
5.575		38068	31540
5.611		211363	170248
5.639		243221	192347
5.671		23064	42024
5.756		20824	76053
5.839		88620	78547
5.978		54657	38822
5.998	DCB	21628	13952
6.036		136321	124140
6.131		18428	15942
6.172		13423	22387
6.245		7748	22484
6.282		3414	4027
6.324		6514	7055
6.367		7357	33840
6.486		47924	89535
6.68		6682	9593
6.745		1967	798
6.977		1780	1063
7.152		1621	843
7.279		1642	1612
7.396		1886	1143
7.441		1956	1400
7.594		2236	3734
7.634		1628	1092
7.715		1369	5164
7.752		3416	7458
7.834		22675	44765
8.015		14266	26962

RT B	Compound B	Height B	Area B
8.094		2278	1015
8.208		2675	1615
8.307		2791	1146
8.357		7437	19797
8.575		2906	10828

9229377 RI ACF DF100AD95A10 T 172760009A 10225 SW-846 8082

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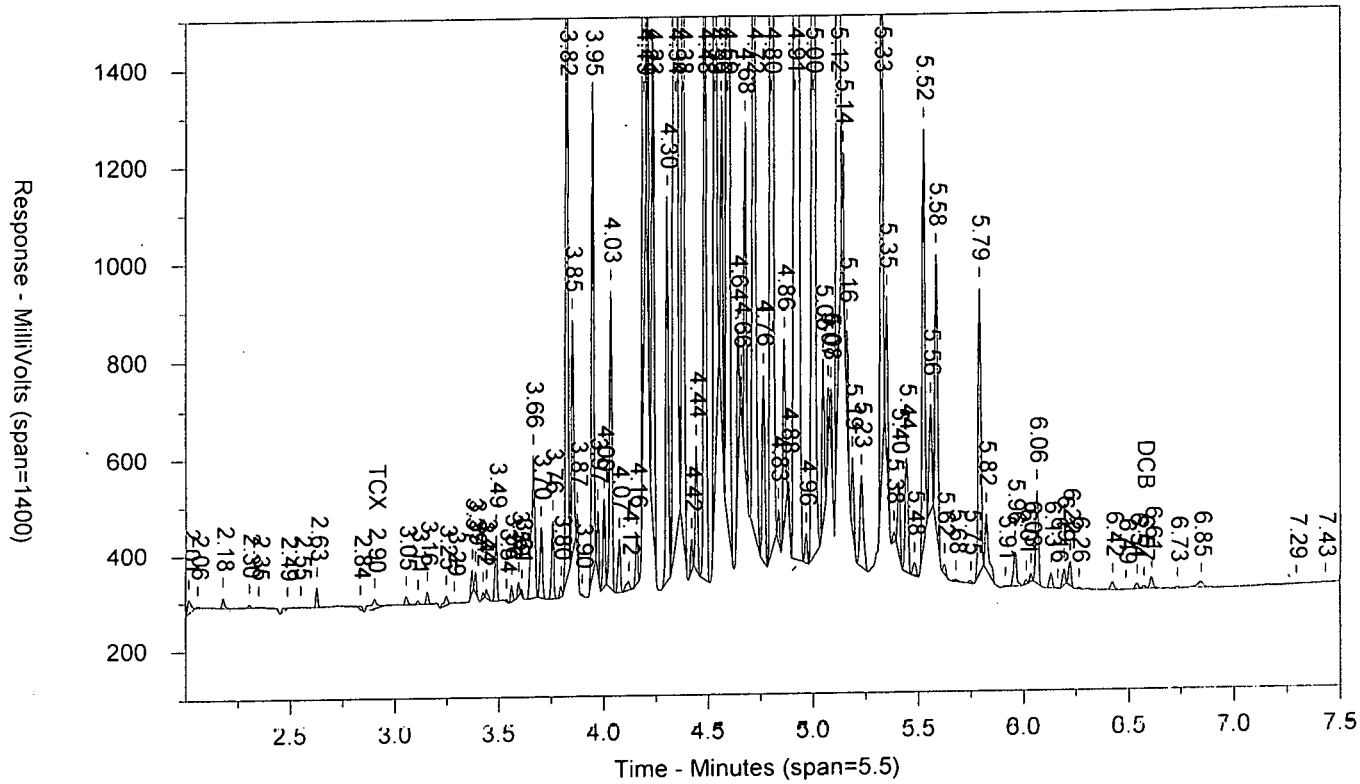

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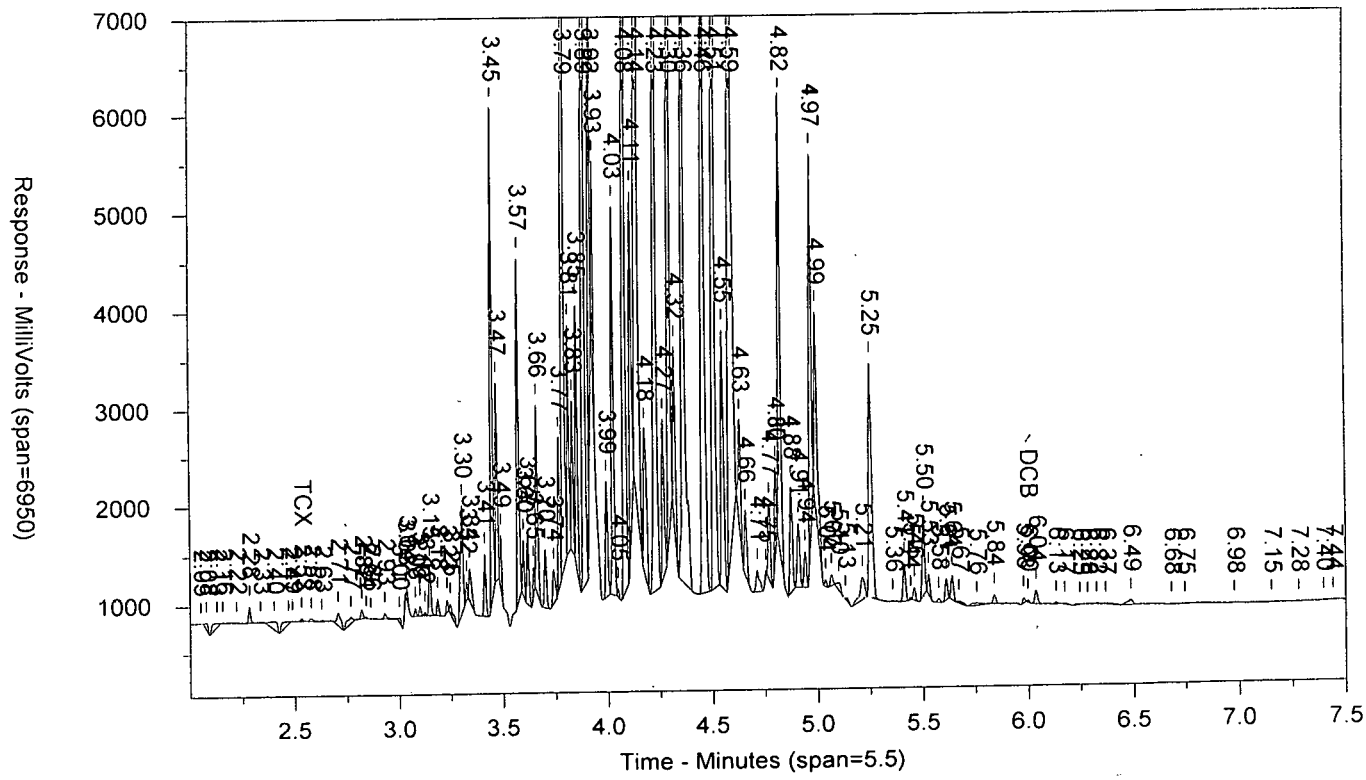

LANCASTER LABORATORIES

Sample Number: 9229377 RI ACF DF100AD95A10 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:22:04 PM Sample Weight: 10.21
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	19973	102.506	TCX	2.533	30096	43.826	TCX
6.571	5904	45.126	DCB	5.998	21628	45.014	DCB

Files:
Area File: 20PCBs17275004.076.RAW
Area File: 20PCBs17275004B.076.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 1:30:45 PM
File Reported On: 10/5/2017 at 1:30:58 PM

9229377 RI ACF DF100AD95A10 T 172760009A 10225 SW-846 8082

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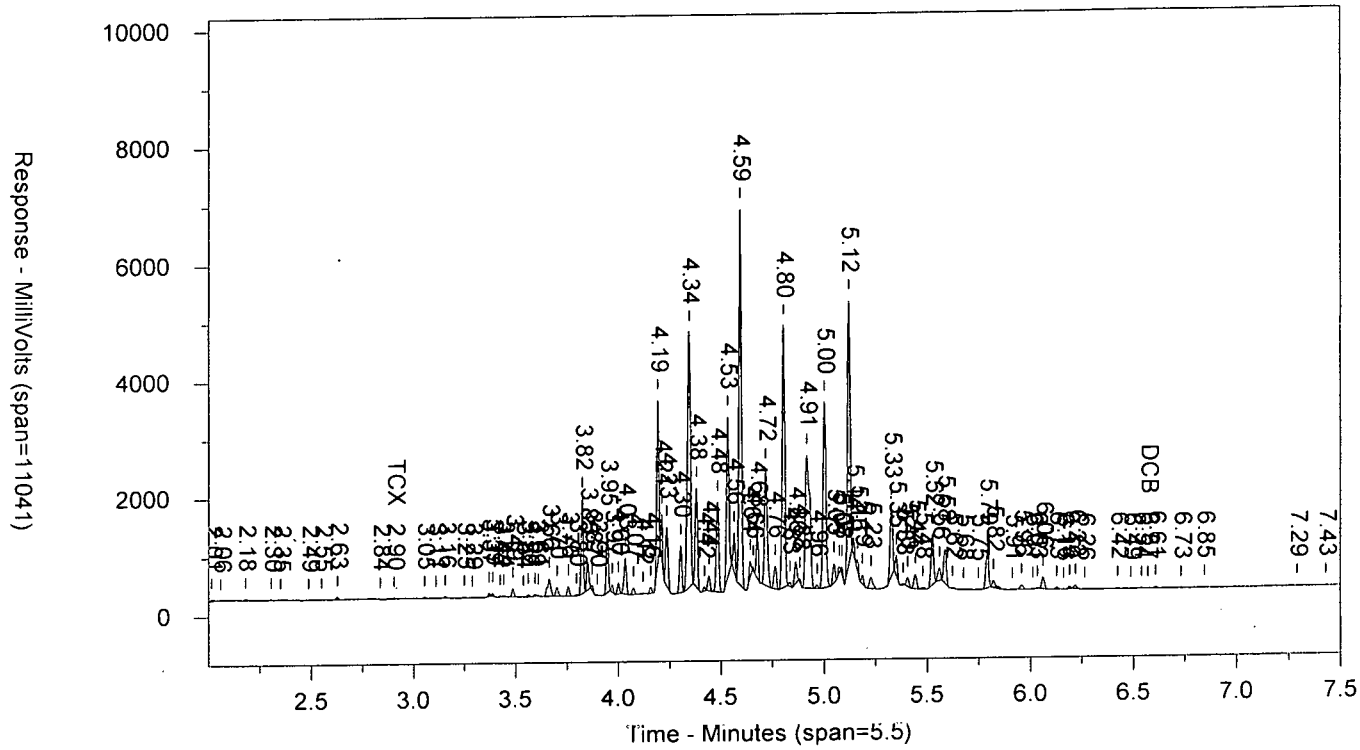

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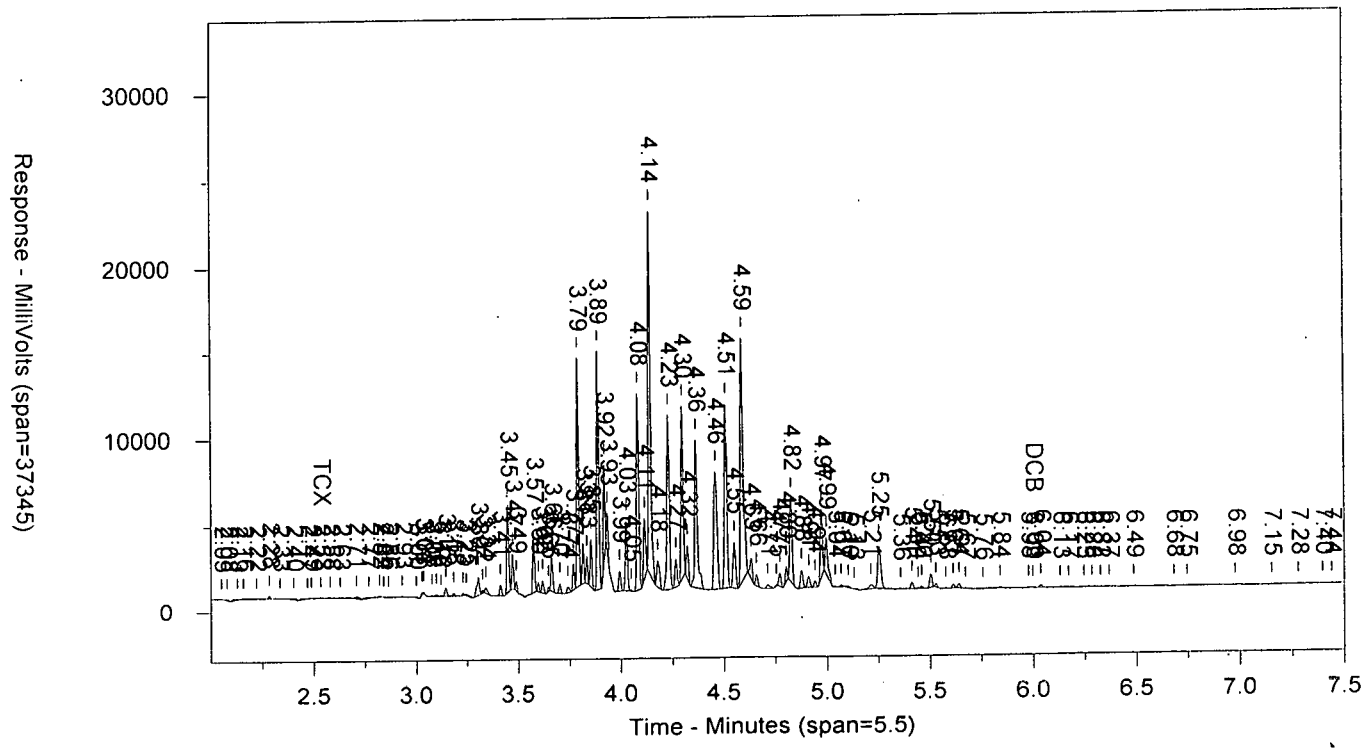

9229377 RI ACF DF100AD95A10 T 172760009A 10225 SW-846 8082

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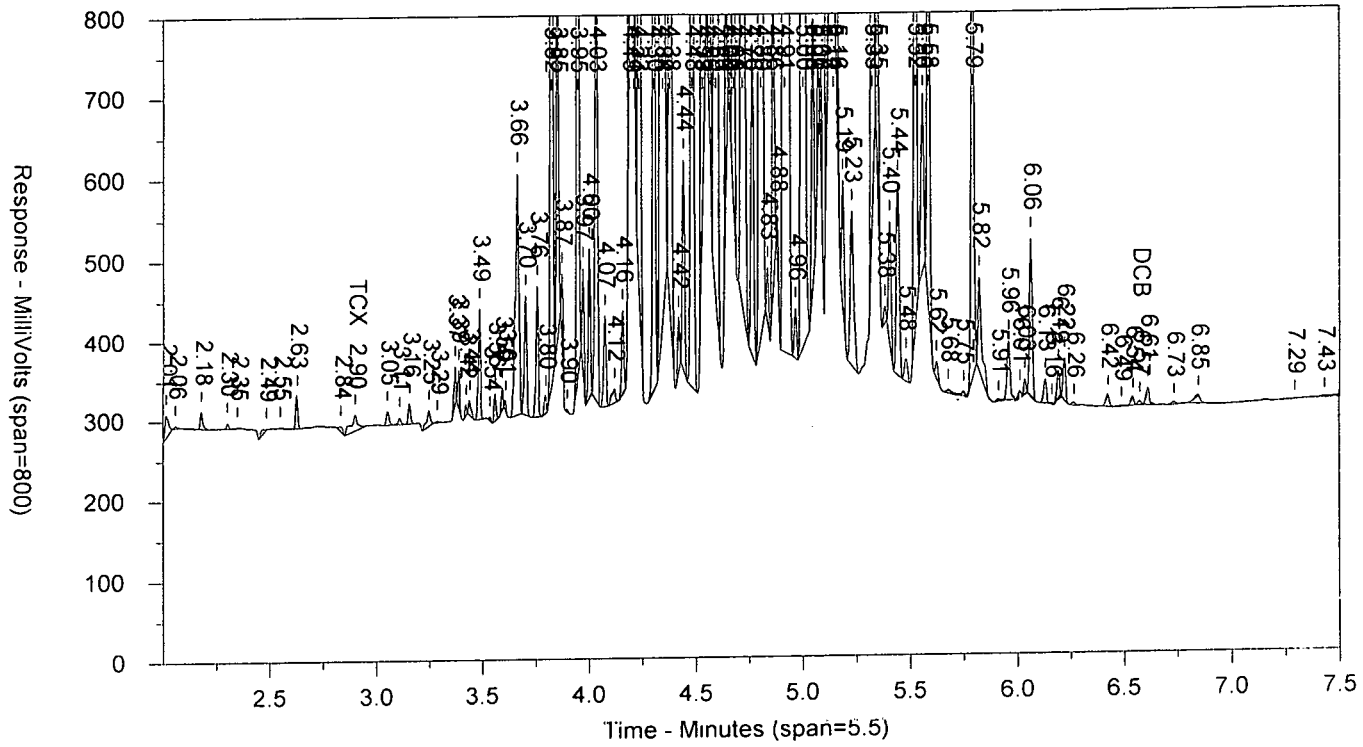
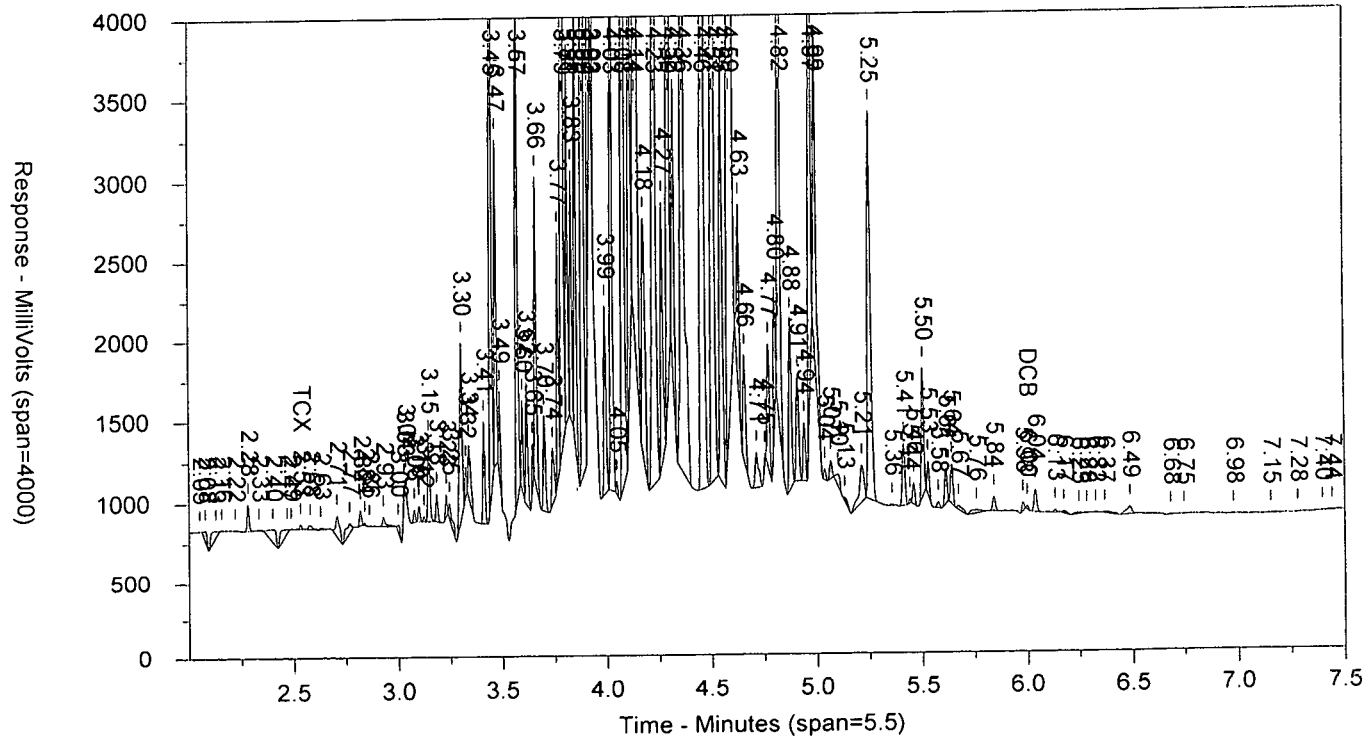


\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275004B.076.RAW



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Data Summary

Sample Name: 9229378 ACF DF50 95A11 Sample ID: AC **Batchnumber:** 172760009A
Sample Amount: 10.23 g Total Volume: 500 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 13:44:55
Instrument	17342A
Result file	20PCBS17275004.078.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 82% (61 - 152) Conc: 24.54306
%SSR(DCB) 100% (48 - 164) Conc: 26.53435

Analysis Report (B)

Injected on	Oct 05, 2017 13:44:55
Instrument	17342B
Result file	20PCBS17275004B.078.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 90% (61 - 152) Conc: 26.86644
%SSR(DCB) 117% (48 - 164) Conc: 31.06461

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	95829	24.54306
Decachlorobiphenyl	6.55	6.57	6.61	69565	26.53435

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	369717	26.86644
Decachlorobiphenyl	5.97	6.00	6.03	299100	31.06461

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	26.86644				9.04	
☑	Tetrachloro-m-xylene-D1	A	24.54306					
☑	Tetrachloro-m-xylene-D2	B	26.86644					
☐	Decachlorobiphenyl	B	31.06461				15.73	
☑	Decachlorobiphenyl-D1	A	26.53435					
☑	Decachlorobiphenyl-D2	B	31.06461					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**62.30**	
4.52	4.53	4.56	251378.4	3156.302672			1
4.58	4.59	4.62	2148718	13405.539487			2
4.79	4.80	4.83	1407890	15823.051376			4
Height summation:			**3807986.4**				
Concentration		CF:	**10794.964512**	L:			
Aroclor-1260						**16.39**	
5.33	5.35	5.37	479502.6	5301.016702			4
5.57	5.59	5.61	1448994	6832.869866			5
5.78	5.79	5.82	1009987	7347.078668			6
Height summation:			**2938483.6**				
Concentration		CF:	**6493.655079**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**53.32**	
4.06	4.08	4.10	1572891	4743.055946			1
4.12	4.14	4.16	7461858	14094.112365			2
4.21	4.23	4.25	4785148	16834.225935			3
Height summation:			**13819897**				
Concentration		CF:	**11890.464749**	L:			
Aroclor-1260						25.69	
4.78	4.80	4.82	1684132	4645.268453			4
4.98	5.00	5.01	4597590	7071.287488			5
5.24	5.25	5.28	3475484	7863.458769			6
Height summation:			**9757206**				
Concentration		CF:	**6526.67157**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:37

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Data Summary

Sample Name: 9229378 ACF DF50 95A11 Sample ID: AC **Batchnumber:** 172760009A
Sample Amount: 10.23 g Total Volume: 500 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 13:44:55
Instrument	17342A
Result file	20PCBS17275004.078.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

Analysis Report (B)

Injected on	Oct 05, 2017 13:44:55
Instrument	17342B
Result file	20PCBS17275004B.078.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2492.6686	<483.871	D1		4	
☑ PCB-1221			<2492.6686	<747.8006	D1		3	
☑ PCB-1232			<2492.6686	<601.173	D1		4	
☑ PCB-1242			<2492.6686	<601.173	D1		4	
☑ PCB-1248			<2492.6686	<483.871	D1		4	
☑ PCB-1254	B	11890.464749	2492.6686	645.1613	D2	9.66	4	
☑ PCB-1260	B	6526.67157	2492.6686	571.8475	D2	0.51	4	

Units: ug/kg

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

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:37

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229378** ACF DF50 95A11 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.23 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:44:55
Instrument : CP20--17342A
Result file : 20PCBS17275004.078.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 82% (61-152) Conc.: 24.54306
%SSR(DCB) : 100% (48-164) Conc.: 26.53435

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	77.74	
3.14	3.16	3.18	8189.367	133.608176			1
+ 3.36	3.37	3.40	6148.349	93.73093			2
3.36	3.39	3.40	9675.642	147.504139			2
3.47	3.49	3.51	20747.24	270.46008			3
3.68	3.70	3.72	44230.18	497.002851			4
3.74	3.76	3.78	12664.9	167.549674			5
3.93	3.95	3.97	46632.15	784.081678			6
+ 3.93	3.97	3.97	46201.03	776.832745			6
Height Summation:			**142139.479**				
Amount Avg CF:			**333.367766**	Linear:			
Aroclor-1221					3	35.33	
3.04	3.06	3.08	5488.363	186.067312			1
3.09	3.11	3.13	2970.586	113.191873			2
3.14	3.16	3.18	8189.367	98.604498			3
Height Summation:			**16648.316**				
Amount Avg CF:			**132.621228**	Linear:			
Aroclor-1232					6	75.62	
3.14	3.16	3.18	8189.367	114.395367			1
+ 3.36	3.37	3.40	6148.349	215.080481			2
3.36	3.39	3.40	9675.642	338.471634			2
3.47	3.49	3.51	20747.24	603.884991			3
3.68	3.70	3.72	44230.18	1079.328214			4
3.74	3.76	3.78	12664.9	386.210853			5
3.93	3.95	3.97	46632.15	1422.028002			6
Height Summation:			**142139.479**				
Amount Avg CF:			**657.38651**	Linear:			
Aroclor-1242					6	77.51	
3.14	3.16	3.18	8189.367	95.31553			1
+ 3.35	3.37	3.39	6148.349	68.101989			2
3.35	3.39	3.39	9675.642	107.171936			2
3.47	3.49	3.51	20747.24	193.916552			3
3.68	3.70	3.72	44230.18	353.015563			4
3.74	3.76	3.78	12664.9	116.498067			5
3.93	3.95	3.97	46632.15	556.484744			6
Height Summation:			**142139.479**				
Amount Avg CF:			**237.067065**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 13:44:55
Instrument : CP20--17342B
Result file : 20PCBS17275004B.078.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 90% (61-152) Conc.: 26.86644
%SSR(DCB) : 117% (48-164) Conc.: 31.06461

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	128.96	
2.80	2.82	2.84	27708.52	115.743855			1
3.13	3.15	3.17	76632.05	251.497055			2
+ 3.32	3.32	3.36	77386.95	288.107377			3
3.32	3.34	3.36	100375.2	373.691373			3
3.39	3.41	3.43	56638.83	186.532628			4
3.45	3.47	3.49	538776.6	2340.111173			5
+ 3.45	3.49	3.49	483577.1	2100.358803			5
3.55	3.57	3.59	182121	675.865749			6
Height Summation:			**982252.2**				
Amount Avg CF:			**657.240305**	Linear:			
Aroclor-1221					3	51.69	
2.69	2.71	2.73	30478.78	221.272907			1
2.75	2.75	2.79	8992.806	105.353265			2
+ 2.75	2.77	2.79	7929.467	92.895948			2
2.80	2.82	2.84	27708.52	89.961535			3
Height Summation:			**67180.106**				
Amount Avg CF:			**138.862569**	Linear:			
Aroclor-1232					6	138.15	
2.80	2.82	2.84	27708.52	104.256478			1
3.13	3.15	3.17	76632.05	533.006441			2
+ 3.32	3.32	3.36	77386.95	612.620829			3
3.32	3.34	3.36	100375.2	794.603461			3
3.39	3.41	3.43	56638.83	419.638526			4
3.45	3.47	3.49	538776.6	5742.80532			5
+ 3.45	3.49	3.49	483577.1	5154.435331			5
3.55	3.57	3.59	182121	1630.800942			6
Height Summation:			**982252.2**				
Amount Avg CF:			**1537.518528**	Linear:			
Aroclor-1242					6	129.00	
2.80	2.82	2.84	27708.52	87.890167			1
3.13	3.15	3.17	76632.05	196.3931			2
+ 3.32	3.32	3.36	77386.95	216.179567			3
3.32	3.34	3.36	100375.2	280.396983			3
3.39	3.41	3.43	56638.83	141.685253			4
3.45	3.47	3.49	538776.6	1789.091128			5
+ 3.45	3.49	3.49	483577.1	1605.792641			5
3.55	3.57	3.59	182121	519.278092			6
Height Summation:			**982252.2**				
Amount Avg CF:			**502.455787**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229378** ACF DF50 95A11 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.23 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:44:55
Instrument : CP20--17342A
Result file : 20PCBS17275004.078.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	121.05	
3.68	3.70	3.72	44230.18	1113.875418			1
3.74	3.76	3.78	12664.9	282.996174			2
3.81	3.82	3.85	120383.8	1535.934988			3
3.93	3.95	3.97	46632.15	525.948205			4
+ 3.93	3.97	3.97	46201.03	521.085748			4
4.02	4.03	4.06	81857.62	1178.297763			5
+ 4.20	4.21	4.24	106880.8	1606.392549			6
4.20	4.24	4.24	407759.4	6128.525066			6
Height Summation:			**713528.05**				
Amount Avg CF:			**1794.262936**	Linear:			
Aroclor-1254					6	45.92	
4.52	4.53	4.56	251378.4	3156.302672			1
+ 4.52	4.55	4.56	38748.89	486.530366			1
4.58	4.59	4.62	2148718	13405.539487			2
4.70	4.72	4.74	1102596	21090.933455			3
4.79	4.80	4.83	1407890	15823.051376			4
4.98	5.00	5.02	932290.2	14702.570104			5
5.10	5.12	5.14	2549290	22908.826756			6
+ 5.10	5.14	5.14	85880.91	771.756406			6
Height Summation:			**8392162.6**				
Amount Avg CF:			**15181.203975**	Linear:			
Aroclor-1260					6	39.48	
4.70	4.72	4.74	1102596	8745.896486			1
4.90	4.91	4.94	1628753	11664.58072			2
5.11	5.12	5.15	2549290	15116.150258			3
+ 5.11	5.14	5.15	85880.91	509.235411			3
5.33	5.35	5.37	479502.6	5301.016702			4
5.57	5.59	5.61	1448994	6832.869866			5
5.78	5.79	5.82	1009987	7347.078668			6
Height Summation:			**8219122.6**				
Amount Avg CF:			**9167.932117**	Linear:			
Aroclor-1262					6	44.97	
5.17	5.19	5.21	432035.7	2839.430419			1
5.33	5.35	5.37	479502.6	3771.624327			2
5.57	5.59	5.61	1448994	5425.216216			3
5.78	5.79	5.82	1009987	5445.916495			4
5.83	5.85	5.87	115266.3	1271.604302			5
6.20	6.22	6.24	300893.3	2933.531827			6
Height Summation:			**3786678.9**				
Amount Avg CF:			**3614.553931**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 13:44:55
Instrument : CP20--17342B
Result file : 20PCBS17275004B.078.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	118.43	
+ 3.32	3.32	3.36	77386.95	668.564898			1
3.32	3.34	3.36	100375.2	867.166045			1
3.39	3.41	3.43	56638.83	307.562503			2
3.43	3.45	3.47	489018.9	1561.409752			3
3.55	3.57	3.59	182121	489.858327			4
+ 3.64	3.65	3.68	81998.16	318.942974			5
3.64	3.66	3.68	283674.4	1103.390085			5
3.77	3.79	3.81	2112454	5482.725384			6
Height Summation:			**3224282.33**				
Amount Avg CF:			**1635.352016**	Linear:			
Aroclor-1254					6	49.77	
4.06	4.08	4.10	1572891	4743.055946			1
4.12	4.14	4.16	7461858	14094.112365			2
4.21	4.23	4.25	4785148	16834.225935			3
4.34	4.36	4.38	5764922	30239.865421			4
4.44	4.46	4.47	3595634	19299.914331			5
4.57	4.59	4.61	8985445	28157.593097			6
Height Summation:			**32165898**				
Amount Avg CF:			**18894.794516**	Linear:			
Aroclor-1260					6	60.11	
4.34	4.36	4.38	5764922	11707.684713			1
4.44	4.46	4.48	3595634	8830.925054			2
4.57	4.59	4.61	8985445	22250.201777			3
4.78	4.80	4.82	1684132	4645.268453			4
4.98	5.00	5.01	4597590	7071.287488			5
5.24	5.25	5.28	3475484	7863.458769			6
Height Summation:			**28103207**				
Amount Avg CF:			**10394.804376**	Linear:			
Aroclor-1262					6	44.41	
4.60	4.62	4.64	1057338	2124.572447			1
4.78	4.80	4.82	1684132	3207.718366			2
4.98	5.00	5.01	4597590	5771.192289			3
5.19	5.21	5.23	825297.6	2187.105239			4
5.24	5.25	5.28	3475484	5951.501128			5
5.62	5.64	5.66	1187236	3612.890331			6
Height Summation:			**12827077.6**				
Amount Avg CF:			**3809.1633**	Linear:			
Aroclor-1268					6	112.51	
+ 5.19	5.19	5.23	24942.14	24.655918			1
5.19	5.21	5.23	825297.6	815.826938			1
5.24	5.25	5.28	3475484	3665.464097			2
5.39	5.41	5.43	218795	226.510069			3
5.46	5.46	5.50	150237	581.714959			4
5.62	5.64	5.66	1187236	3728.234872			5
5.82	5.84	5.86	263665.2	88.346831			6
Height Summation:			**6120714.8**				
Amount Avg CF:			**1517.682961**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229378** ACF DF50 95A11 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.23 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:44:55
Instrument : CP20--17342A
Result file : 20PCBS17275004.078.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**98.92**	
5.77	5.79	5.81	1009987	2973.653434			1
5.83	5.85	5.87	115266.3	400.231837			2
5.96	5.98	6.00	5081.216	17.523345			3
+ 6.03	6.03	6.07	27561.3	413.082985			4
6.03	6.06	6.07	209196.2	3135.388781			4
6.20	6.22	6.24	300893.3	2846.831009			5
6.40	6.42	6.44	58941.9	62.549405			6

Height Summation: **1699365.916**
Amount Avg CF: **1572.696302** Linear:

Analysis Report (B)

Injected on : Oct 05, 2017 13:44:55
Instrument : CP20--17342B
Result file : 20PCBS17275004B.078.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2492.6688	483.871		** 65.39	4	40	
Aroclor-1221			2492.6688	747.8007		4.60	3	5	
Aroclor-1232			2492.6688	601.1731		** 80.20	4	40	
Aroclor-1242			2492.6688	601.1731		** 71.77	4	30	
Aroclor-1248			2492.6688	483.871		9.27	4	40	
Aroclor-1254			2492.6688	645.1613		21.80	4	40	
Aroclor-1260			2492.6688	571.8476		12.54	4	40	
Aroclor-1262			2492.6688	483.871		5.24	4	40	
Aroclor-1268			2492.6688	483.871		3.56	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229378 ACF DF50 AC95A11 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:44:55 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.078.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.023		4155	4914
2.059		3569	4322
2.114		4854	3130
2.18		9899	10542
2.304		4027	3701
2.343		2468	14221
2.466		1576	1552
2.493		1997	1321
2.586		1597	1226
2.627		3743	2203
2.673		1511	1217
2.845		1879	1241
2.871		1026	612
2.904	TCX	95829	67133
3.01		3222	2999
3.056		5488	5125
3.108		2971	3905
3.156		8189	7442
3.206		3649	2253
3.224		4332	2629
3.25		2598	2608
3.29		1340	1007
3.372		6148	3589
3.389		9676	7101
3.441		8698	9684
3.486		20747	16222
3.536		2159	1373
3.561		15044	10340
3.594		2743	1594
3.609		2506	1308
3.664		37060	48558
3.702		44230	39881
3.757		12665	10095
3.795		11409	8676
3.823		120384	87748
3.85		111773	76129
3.873		113806	72090
3.946		46632	32072
3.97		46201	32164
4.001		135892	100584
4.033		81858	78697
4.079		15132	13266
4.107		15021	10057
4.158		30358	21197
4.193		357609	247350
4.21		106881	55850
4.235		407759	345318
4.303		322814	267419
4.345		910390	941568
4.379		580278	476908
4.419		104717	74609
4.441		70854	48254
4.482		283327	243762
4.533		251378	183671

RT A	Compound A	Height A	Area A
4.549		38749	15044
4.563		97068	57064
4.593		2148718	1916970
4.642		342128	408833
4.676		94114	59091
4.717		1102596	1097270
4.763		189945	168147
4.804		1407890	1332869
4.835		16890	9864
4.863		326111	300045
4.914		1628753	2110193
4.965		125368	104241
5.003		932290	981844
5.048		143546	108074
5.074		33432	26550
5.086		98734	63907
5.119		2549290	2306061
5.141		85881	46984
5.161		55834	29995
5.186		432036	360767
5.229		287290	307642
5.325		518301	417056
5.348		479503	369586
5.382		13538	7612
5.406		266412	226809
5.444		203743	186886
5.468		15545	25761
5.526		388674	370249
5.559		63959	53514
5.585		1448994	1277291
5.622		19145	11803
5.673		11763	11189
5.707		3260	2024
5.73		3199	2103
5.746		3924	2662
5.79		1009987	905474
5.821		95357	63652
5.846		115266	115450
5.886		2188	1355
5.958		35823	33027
5.982		5081	3281
6.01		4505	2771
6.034		27561	20553
6.062		209196	193583
6.102		2577	1921
6.127		15257	12795
6.164		2529	1790
6.191		17695	12917
6.218		300893	289294
6.265		18656	17946
6.421		58942	63356
6.537		5833	5824
6.572	DCB	69565	68687
6.608		14737	13959
6.73		1526	2033
6.845		11692	21302
6.898		1316	1595
7.159		1684	3201
7.27		602	1579
7.433		823	1062
7.705		1366	2251
7.744		780	411
7.806		697	698
7.909		4384	13487
8.082		1411	3888
8.366		3191	5670

RT A	Compound A	Height A	Area A
8.522		8541	19583
8.677		3063	2285

LANCASTER LABORATORIES

Sample Number: 9229378 ACF DF50 AC95A11 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:44:55 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.078.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.035		4392	2574
2.076		15359	16420
2.125		2923	14080
2.17		7308	11253
2.282		19426	18975
2.362		5290	11917
2.456		13536	26354
2.532	TCX	369717	242200
2.58		9104	10623
2.64		7692	9339
2.708		30479	30889
2.749		8993	8511
2.77		7929	6091
2.82		27709	25521
2.839		11213	4241
2.902		2507	2874
2.935		5012	8287
2.982		4645	3162
3.027		11489	7242
3.037		27146	17161
3.077		6692	3268
3.099		37617	24133
3.122		2990	1116
3.146		76632	55140
3.184		70055	46820
3.231		11324	6229
3.246		18159	15255
3.304		145342	115171
3.324		77387	36931
3.339		100375	104165
3.412		56639	52625
3.448		489019	308645
3.471		538777	305249
3.488		483577	259665
3.543		7208	4725
3.573		182121	104465
3.595		179573	108904
3.616		548041	364376
3.646		81998	40997
3.662		283674	180609
3.699		157458	121483
3.74		123121	95304
3.768		164323	92264
3.789		2112454	1418003
3.813		954283	536932
3.832		712794	403536
3.853		1212840	768704
3.888		3425485	2372542
3.918		2350552	2065900
3.956		510084	314455
3.993		400996	306685
4.027		1068834	719871
4.047		79910	56220
4.082		1572891	1190017

RT B	Compound B	Height B	Area B
4.115		762031	652334
4.14		7461858	6101045
4.177		940328	793059
4.23		4785148	4084383
4.266		832182	647948
4.298		4342721	3076829
4.322		1374429	994236
4.363		5764923	4782871
4.415		49604	46224
4.46		3595634	4137110
4.51		2764465	2296618
4.55		1682004	1509907
4.587		8985445	7681299
4.619		1057338	852815
4.656		1135211	909323
4.712		68367	43510
4.726		30889	14990
4.754		204455	129833
4.771		406537	266028
4.802		1684132	1238343
4.824		1966952	1455285
4.875		1451932	1368849
4.91		708904	576422
4.94		513969	398243
4.972		1360501	943517
4.995		4597590	3888109
5.036		120402	81393
5.065		172247	146049
5.103		77266	92314
5.133		60850	43676
5.166		40307	32113
5.188		24942	14458
5.21		825298	720498
5.253		3475484	3994525
5.353		9392	14964
5.41		218795	183188
5.441		16205	10577
5.458		150237	109559
5.503		408730	308670
5.528		514955	429437
5.571		25478	29208
5.612		102795	73398
5.639		1187236	1014660
5.672		78210	58176
5.717		16529	13083
5.751		5361	4452
5.84		263665	237450
5.89		10797	12714
5.925		4901	4654
5.978		9030	6254
5.998	DCB	299100	259547
6.036		80139	66699
6.09		4771	5169
6.131		8366	7055
6.168		4026	2653
6.196		12786	9786
6.236		4705	4281
6.275		2556	2726
6.328		5262	5738
6.366		9703	18051
6.429		3389	2439
6.485		42304	65959
6.774		2676	1833
6.832		2145	983
6.898		4847	5482
7.3		1208	3579

RT B	Compound B	Height B	Area B
7.33		1512	1353
7.396		12155	15511
7.473		4435	8074
7.532		1750	1777
7.576		2083	1748
7.693		2190	3842
7.833		19452	34943
7.915		20120	30542
8.012		13130	26113
8.121		1947	1444
8.209		43002	86218
8.305		2175	1384
8.346		4684	5544
8.458		2435	3813
8.568		2031	8095
8.633		3795	4330

9229378 ACF DF50 AC95A11 T 172760009A 10225 SW-846 8082

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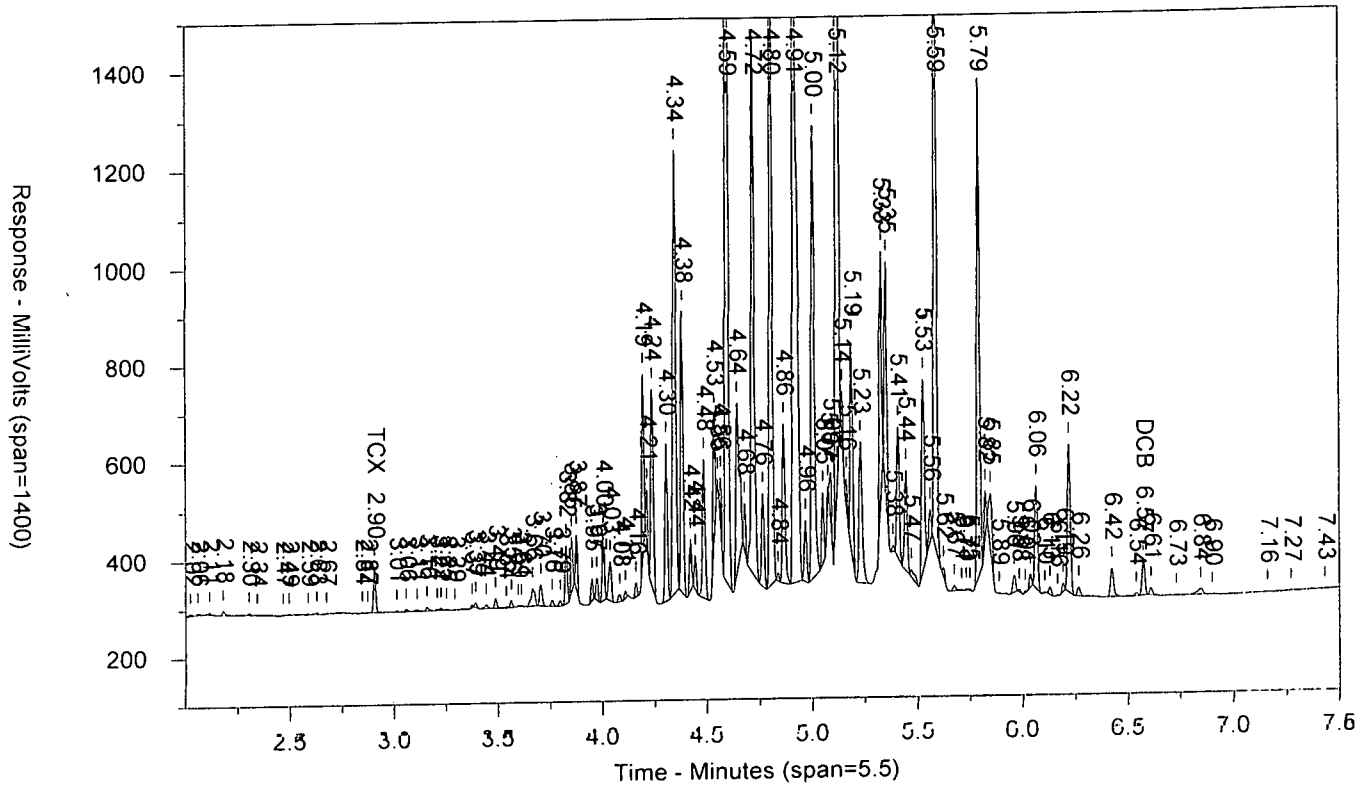

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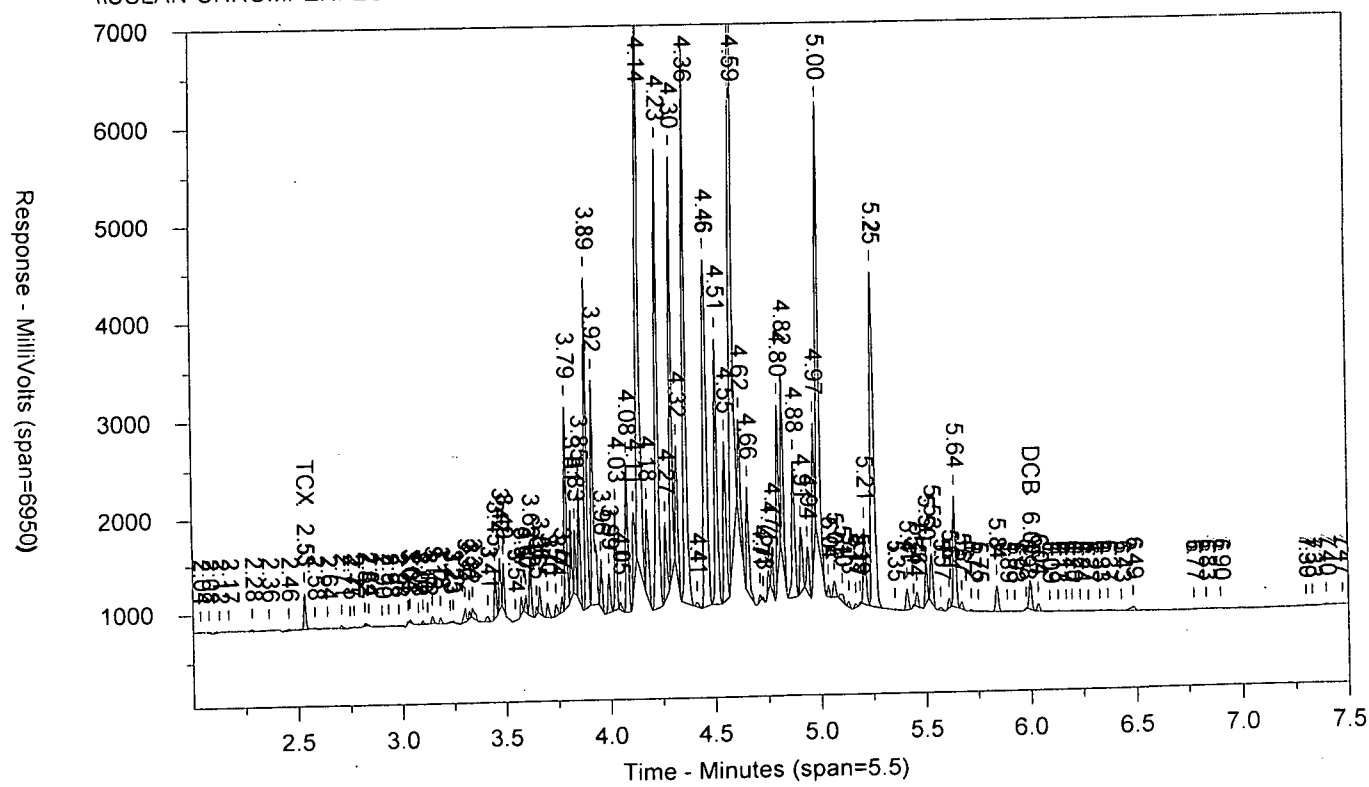

LANCASTER LABORATORIES

Sample Number: 9229378 ACF DF50 AC95A11 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:44:55 PM
Sample Weight: 10.23
Dilution Factor: 500
Instrument ID: CP20-17342
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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	95829	24.543	TCX	2.532	369717	26.866	TCX
6.572	69565	26.534	DCB	5.998	299100	31.065	DCB

Files:
Area File: 20PCBs17275004.078.RAW
Area File: 20PCBs17275004B.078.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 1:53:38 PM
File Reported On: 10/5/2017 at 1:53:51 PM

9229378 ACF DF50 AC95A11 T 172760009A 10225 SW-846 8082

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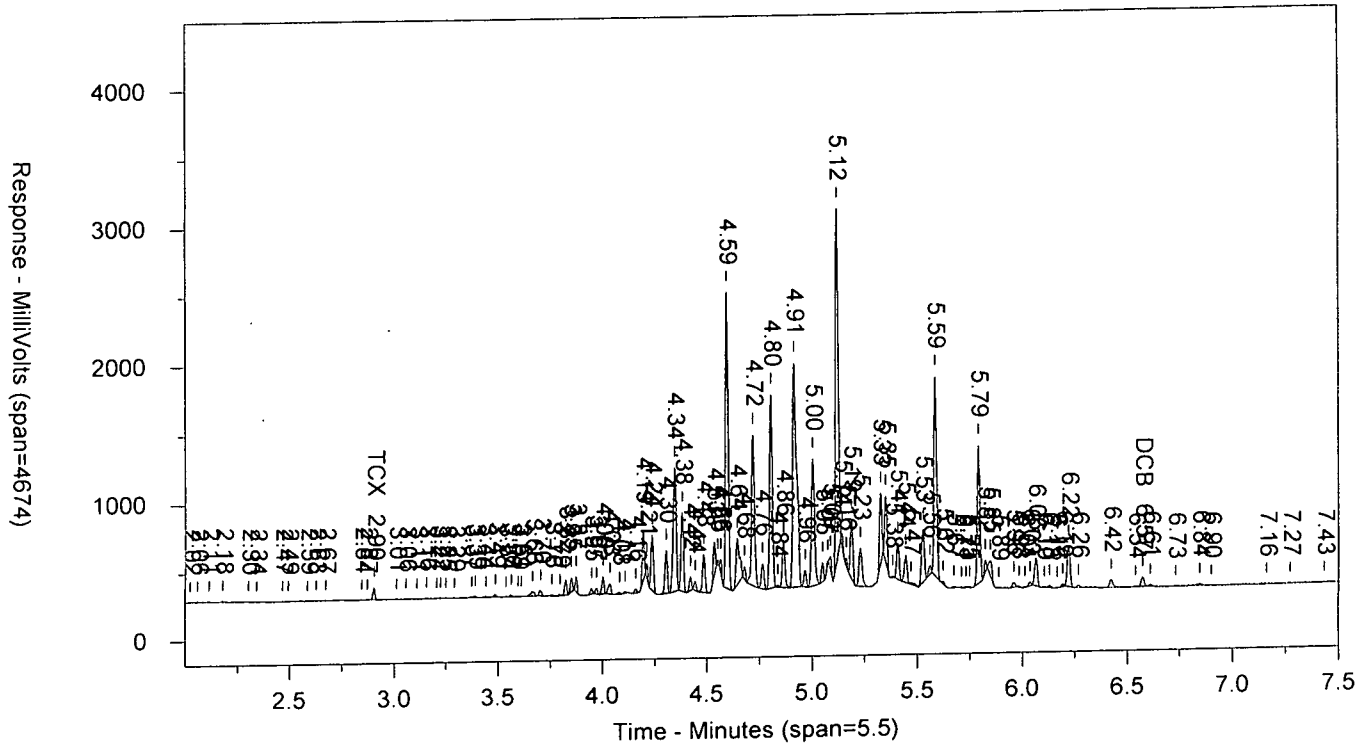

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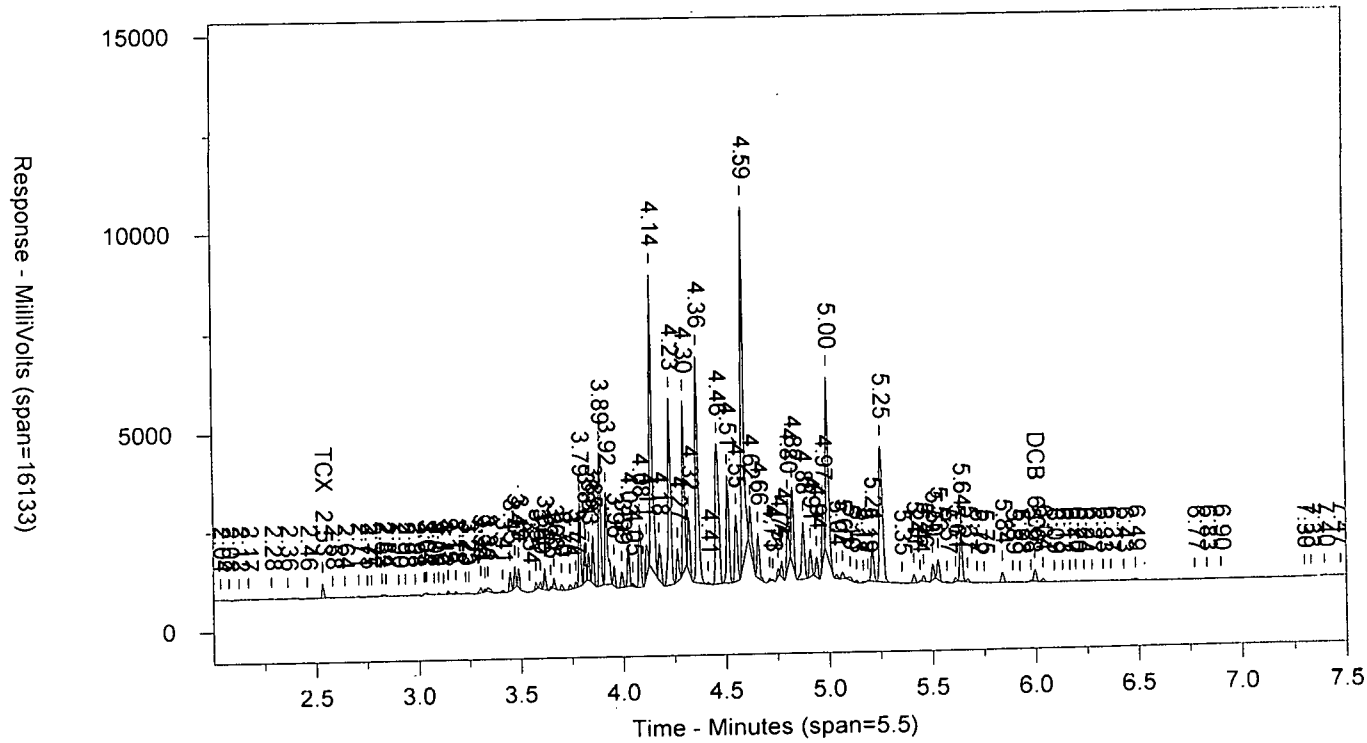

9229378 ACF DF50 AC95A11 T 172760009A 10225 SW-846 8082

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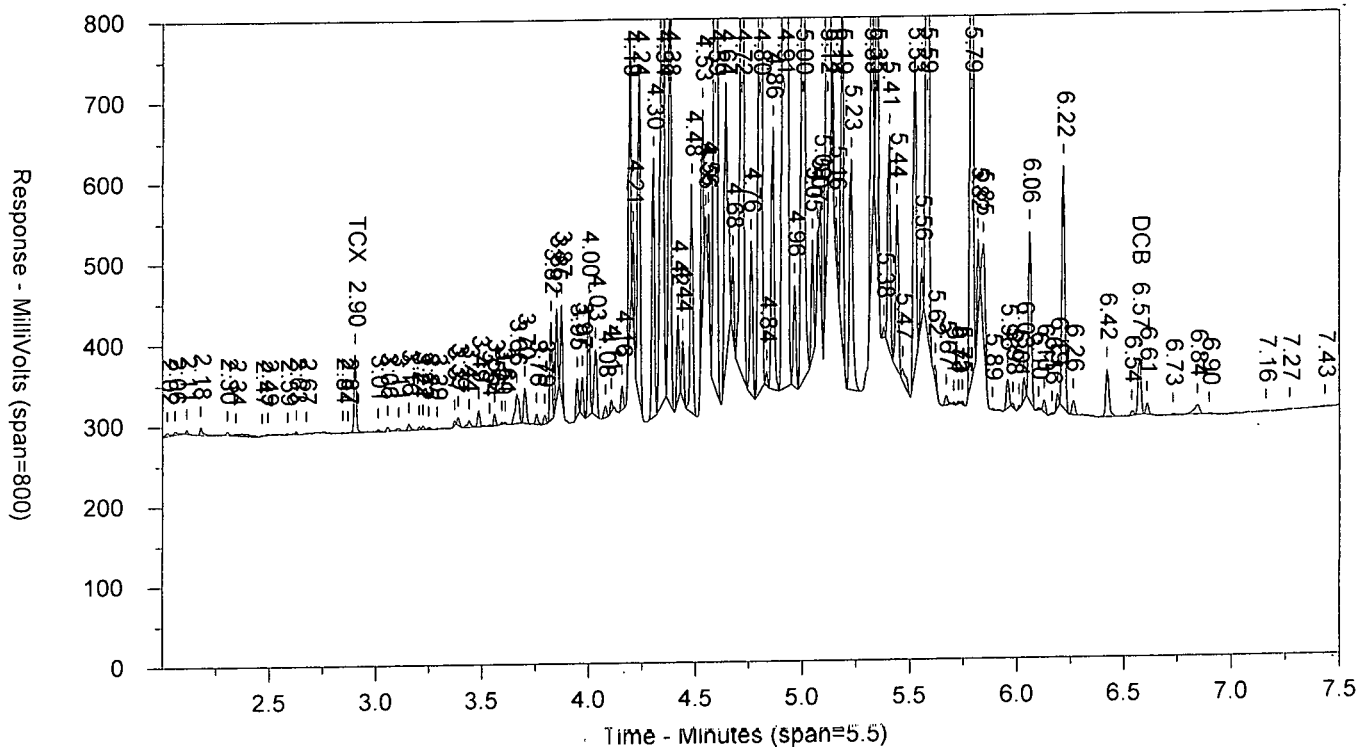

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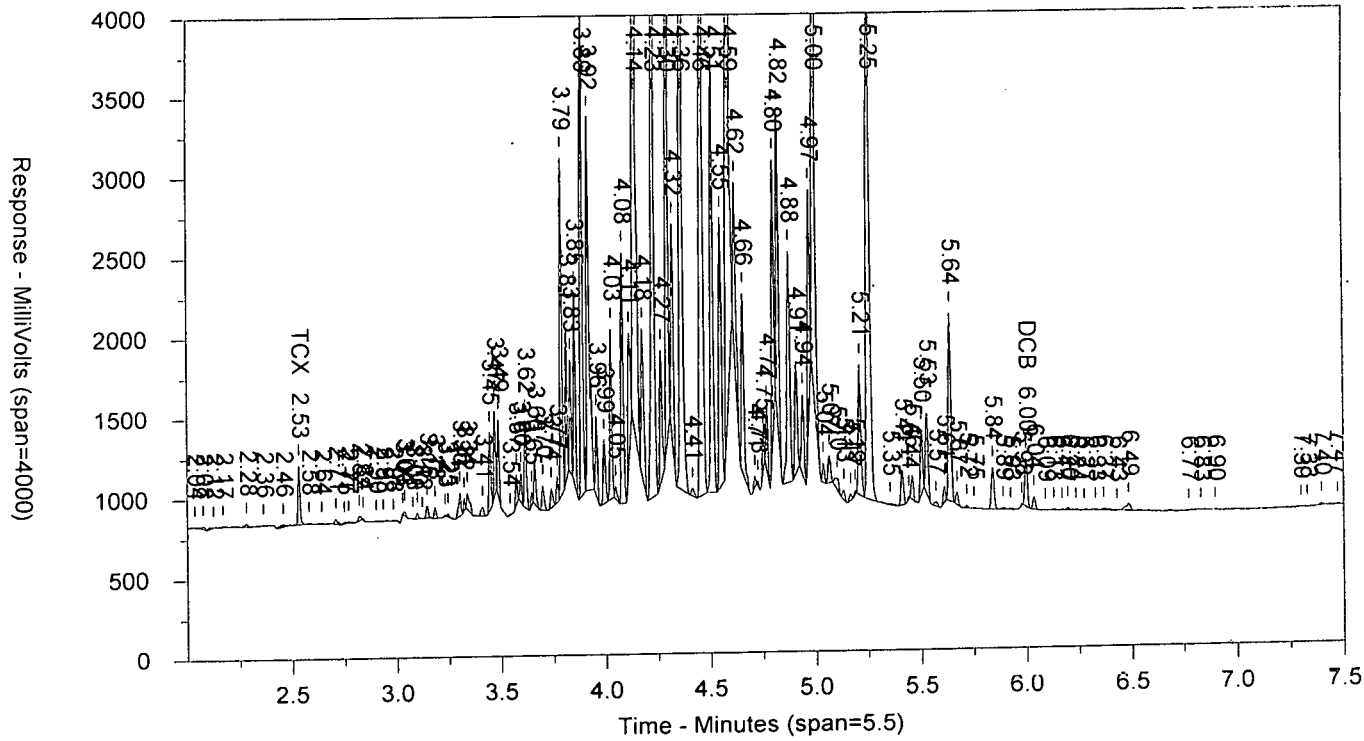

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Data Summary

Sample Name: 9229381 ACF DF100 95A12 Sample ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 14:41:52
Instrument	17342A
Result file	20PCBS17275004.083.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 96% (61 - 152) Conc: 28.89527
%SSR(DCB) 109% (48 - 164) Conc: 29.32705

Analysis Report (B)

Injected on	Oct 05, 2017 14:41:52
Instrument	17342B
Result file	20PCBS17275004B.083.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 101% (61 - 152) Conc: 30.40593
%SSR(DCB) 136% (48 - 164) Conc: 36.53677

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	55694	28.89527
Decachlorobiphenyl	6.55	6.57	6.61	37955	29.32705

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	206554	30.40593
Decachlorobiphenyl	5.97	6.00	6.03	173659	36.53677

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	30.40593				5.09	
☑	Tetrachloro-m-xylene-D1	A	28.89527					
☑	Tetrachloro-m-xylene-D2	B	30.40593					
☐	Decachlorobiphenyl	B	36.53677				21.89	
☑	Decachlorobiphenyl-D1	A	29.32705					
☑	Decachlorobiphenyl-D2	B	36.53677					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**57.99**	
4.52	4.53	4.56	231560.7	5889.789788			1
4.58	4.59	4.62	1688015	21333.663048			2
4.79	4.80	4.83	1086450	24735.204987			4
Height summation:			**3006025.7**				
Concentration		CF:	**17319.552608**	L:			
Aroclor-1260						**14.72**	
5.33	5.35	5.37	317076.6	7100.953266			4
5.57	5.58	5.61	898502.8	8583.022535			5
5.78	5.79	5.82	648874.1	9561.886875			6
Height summation:			**1864453.5**				
Concentration		CF:	**8415.287559**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						48.13	
4.06	4.08	4.10	1423552	8695.953551			1
4.12	4.14	4.16	5852405	22392.85035			2
4.21	4.23	4.25	3667016	26133.335109			3
Height summation:			**10942973**				
Concentration		CF:	**19074.046337**	L:			
Aroclor-1260						23.96	
4.78	4.80	4.82	1190120	6649.81707			4
4.98	4.99	5.01	3083031	9605.730588			5
5.24	5.25	5.28	2372159	10872.423771			6
Height summation:			**6645310**				
Concentration		CF:	**9042.657143**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:42

[redacted]

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Data Summary

Sample Name: 9229381 ACF DF100 95A12 Sample ID: AC **Batchnumber:** 172760009A
Sample Amount: 10.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 14:41:52
Instrument	17342A
Result file	20PCBS17275004.083.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

Analysis Report (B)

Injected on	Oct 05, 2017 14:41:52
Instrument	17342B
Result file	20PCBS17275004B.083.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<5049.5048	<980.198	D1		4	
☑	PCB-1221			<5049.5048	<1514.8514	D1		3	
☑	PCB-1232			<5049.5048	<1217.8217	D1		4	
☑	PCB-1242			<5049.5048	<1217.8217	D1		4	
☑	PCB-1248			<5049.5048	<980.198	D1		4	
☑	PCB-1254	B	19074.046337	5049.5048	1306.9307	D2	9.64	4	
☑	PCB-1260	B	9042.657143	5049.5048	1158.4158	D2	7.19	4	

Units: ug/kg

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

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:42

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229381** ACF DF100 95A12 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.1 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 14:41:52
Instrument : CP20--17342A
Result file : 20PCBS17275004.083.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 96% (61-152) Conc.: 28.89527
%SSR(DCB) : 109% (48-164) Conc.: 29.32705

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**76.68**	
3.14	3.16	3.18	7026.976	232.239147			1
+ 3.36	3.37	3.40	5245.349	161.988081			2
3.36	3.39	3.40	7986.152	246.630193			2
3.47	3.49	3.51	17847.82	471.316098			3
3.68	3.70	3.72	40634.15	924.94436			4
3.74	3.76	3.78	10192.56	273.155126			5
3.93	3.95	3.97	38030.1	1295.351371			6
+ 3.93	3.97	3.97	36218.53	1233.647098			6
Height Summation:			**121717.758**				
Amount Avg CF:			**573.939383**	Linear:			
Aroclor-1221					**3**	**37.95**	
3.04	3.06	3.08	5150.705	353.735126			1
3.09	3.11	3.13	2858.301	220.630391			2
3.14	3.16	3.18	7026.976	171.395383			3
Height Summation:			**15035.982**				
Amount Avg CF:			**248.586967**	Linear:			
Aroclor-1232					**6**	**75.85**	
3.14	3.16	3.18	7026.976	198.843238			1
+ 3.36	3.37	3.40	5245.349	371.707336			2
3.36	3.39	3.40	7986.152	565.932083			2
3.47	3.49	3.51	17847.82	1052.35759			3
3.68	3.70	3.72	40634.15	2008.6777			4
3.74	3.76	3.78	10192.56	629.637001			5
3.93	3.95	3.97	38030.1	2349.278111			6
+ 3.93	3.97	3.97	36218.53	2237.369866			6
Height Summation:			**121717.758**				
Amount Avg CF:			**1134.120954**	Linear:			
Aroclor-1242					**6**	**76.46**	
3.14	3.16	3.18	7026.976	165.678463			1
+ 3.35	3.37	3.39	5245.349	117.69552			2
3.35	3.39	3.39	7986.152	179.193855			2
3.47	3.49	3.51	17847.82	337.927848			3
3.68	3.70	3.72	40634.15	656.977627			4
3.74	3.76	3.78	10192.56	189.926029			5
3.93	3.95	3.97	38030.1	919.347175			6
Height Summation:			**121717.758**				
Amount Avg CF:			**408.175166**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 14:41:52
Instrument : CP20--17342B
Result file : 20PCBS17275004B.083.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.40593
%SSR(DCB) : 136% (48-164) Conc.: 36.53677

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**124.88**	
2.80	2.82	2.84	30992.35	262.254759			1
3.13	3.15	3.17	64492.74	428.76324			2
+ 3.32	3.32	3.36	55247.86	416.66437			3
3.32	3.34	3.36	96186.11	725.409543			3
3.39	3.41	3.43	45015.46	300.321541			4
3.45	3.47	3.49	438419.2	3857.461372			5
+ 3.45	3.49	3.49	345379.7	3038.846956			5
3.55	3.57	3.59	141173	1061.295471			6
Height Summation:			**816278.86**				
Amount Avg CF:			**1105.917654**	Linear:			
Aroclor-1221					**3**	**40.87**	
2.69	2.71	2.73	26513.96	389.932572			1
+ 2.75	2.75	2.79	8071.218	191.547333			2
2.75	2.77	2.79	8470.416	201.021159			2
2.80	2.82	2.84	30992.35	203.836658			3
Height Summation:			**65976.726**				
Amount Avg CF:			**264.930129**	Linear:			
Aroclor-1232					**6**	**135.51**	
2.80	2.82	2.84	30992.35	236.226428			1
3.13	3.15	3.17	64492.74	908.692823			2
+ 3.32	3.32	3.36	55247.86	885.979646			3
3.32	3.34	3.36	96186.11	1542.48392			3
3.39	3.41	3.43	45015.46	675.627048			4
3.45	3.47	3.49	438419.2	9466.494558			5
+ 3.45	3.49	3.49	345379.7	7457.554438			5
3.55	3.57	3.59	141173	2560.806873			6
Height Summation:			**816278.86**				
Amount Avg CF:			**2565.055275**	Linear:			
Aroclor-1242					**6**	**124.96**	
2.80	2.82	2.84	30992.35	199.143312			1
3.13	3.15	3.17	64492.74	334.819593			2
+ 3.32	3.32	3.36	55247.86	312.641502			3
3.32	3.34	3.36	96186.11	544.306511			3
3.39	3.41	3.43	45015.46	228.116302			4
3.45	3.47	3.49	438419.2	2949.154723			5
+ 3.45	3.49	3.49	345379.7	2323.297368			5
3.55	3.57	3.59	141173	815.409699			6
Height Summation:			**816278.86**				
Amount Avg CF:			**845.158357**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229381** ACF DF100 95A12 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.1 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 14:41:52
Instrument : CP20--17342A
Result file : 20PCBS17275004.083.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	115.15	
3.68	3.70	3.72	40634.15	2072.97158			1
3.74	3.76	3.78	10192.56	461.366791			2
3.81	3.82	3.85	100665.4	2601.772175			3
3.93	3.95	3.97	38030.1	868.898927			4
+ 3.93	3.97	3.97	36218.53	827.508785			4
4.02	4.03	4.06	65926.06	1922.371488			5
+ 4.20	4.21	4.24	80335.09	2445.915929			6
4.20	4.23	4.24	314771.4	9583.662397			6
Height Summation:			**570219.67**				
Amount Avg CF:			**2918.507226**	Linear:			
Aroclor-1254					6	42.30	
4.52	4.53	4.56	231560.7	5889.789788			1
+ 4.52	4.55	4.56	16873.3	429.175547			1
4.58	4.59	4.62	1688015	21333.663048			2
4.70	4.72	4.74	824871.2	31963.165617			3
4.79	4.80	4.83	1086450	24735.204987			4
4.98	5.00	5.02	704328.7	22500.997986			5
5.10	5.12	5.14	1830733	33326.742904			6
+ 5.10	5.14	5.14	77617.16	1412.946146			6
Height Summation:			**6365958.6**				
Amount Avg CF:			**23291.594055**	Linear:			
Aroclor-1260					6	44.17	
4.70	4.72	4.74	824871.2	13254.346396			1
4.90	4.91	4.94	1166957	16929.846218			2
5.11	5.12	5.15	1830733	21990.303507			3
+ 5.11	5.14	5.15	77617.16	932.317769			3
5.33	5.35	5.37	317076.6	7100.953266			4
5.57	5.58	5.61	898502.8	8583.022535			5
5.78	5.79	5.82	648874.1	9561.886875			6
Height Summation:			**5687014.7**				
Amount Avg CF:			**12903.393133**	Linear:			
Aroclor-1262					6	45.00	
5.17	5.19	5.21	277964.7	3700.713783			1
5.33	5.35	5.37	317076.6	5052.262535			2
5.57	5.58	5.61	898502.8	6814.816315			3
5.78	5.79	5.82	648874.1	7087.611254			4
5.83	5.84	5.87	65756.85	1469.517939			5
6.20	6.22	6.24	202111.5	3991.660237			6
Height Summation:			**2410286.55**				
Amount Avg CF:			**4686.097011**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 14:41:52
Instrument : CP20--17342B
Result file : 20PCBS17275004B.083.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	122.53	
+ 3.32	3.32	3.36	55247.86	966.886633			1
3.32	3.34	3.36	96186.11	1683.342379			1
3.39	3.41	3.43	45015.46	495.182242			2
3.43	3.45	3.47	407810.5	2637.751643			3
3.55	3.57	3.59	141173	769.212562			4
+ 3.64	3.65	3.68	79475.62	626.220257			5
3.64	3.66	3.68	222607.1	1754.010544			5
3.77	3.79	3.81	1877201	9869.707125			6
Height Summation:			**2789993.17**				
Amount Avg CF:			**2868.201082**	Linear:			
Aroclor-1254					6	45.78	
4.06	4.08	4.10	1423552	8695.953551			1
4.12	4.14	4.16	5852405	22392.85035			2
4.21	4.23	4.25	3667016	26133.335109			3
4.34	4.36	4.38	4299375	45685.249475			4
4.44	4.46	4.47	2731469	29700.272528			5
4.57	4.59	4.61	6347424	40293.751497			6
Height Summation:			**24321241**				
Amount Avg CF:			**28816.902085**	Linear:			
Aroclor-1260					6	60.11	
4.34	4.36	4.38	4299375	17687.52901			1
4.44	4.46	4.48	2731469	13589.743264			2
4.57	4.59	4.61	6347424	31840.225053			3
4.78	4.80	4.82	1190120	6649.81707			4
4.98	4.99	5.01	3083031	9605.730588			5
5.24	5.25	5.28	2372159	10872.423771			6
Height Summation:			**20023578**				
Amount Avg CF:			**15040.911459**	Linear:			
Aroclor-1262					6	45.46	
4.60	4.62	4.64	694295.8	2826.093316			1
4.78	4.80	4.82	1190120	4591.928446			2
4.98	4.99	5.01	3083031	7839.664048			3
5.19	5.21	5.23	531409.4	2852.808281			4
5.24	5.25	5.28	2372159	8228.852498			5
5.62	5.64	5.66	777846.6	4795.080859			6
Height Summation:			**8648861.8**				
Amount Avg CF:			**5189.071241**	Linear:			
Aroclor-1268					6	111.27	
5.19	5.21	5.23	531409.4	1064.145338			1
5.24	5.25	5.28	2372159	5068.059763			2
5.39	5.41	5.43	167540.3	351.361088			3
5.46	5.46	5.50	109505.1	858.918448			4
5.62	5.64	5.66	777846.6	4948.167821			5
5.82	5.84	5.86	180486	122.50842			6
Height Summation:			**4138946.4**				
Amount Avg CF:			**2068.860146**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229381** ACF DF100 95A12 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.1 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 14:41:52
Instrument : CP20--17342A
Result file : 20PCBS17275004.083.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**100.80**	
5.77	5.79	5.81	648874.1	3870.073947			1
5.83	5.84	5.87	65756.85	462.52428			2
5.96	5.98	6.00	3373.529	23.567746			3
+ 6.03	6.03	6.07	20143.57	611.587086			4
6.03	6.06	6.07	150489.7	4569.078722			4
6.20	6.22	6.24	202111.5	3873.686332			5
6.40	6.42	6.44	39040.13	83.925621			6

Height Summation: **1109645.809**
Amount Avg CF: **2147.142775** Linear:

Analysis Report (B)

Injected on : Oct 05, 2017 14:41:52
Instrument : CP20--17342B
Result file : 20PCBS17275004B.083.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5049.5048	980.198		** 63.34	4	40	
Aroclor-1221			5049.5048	1514.8514		6.37	3	5	
Aroclor-1232			5049.5048	1217.8217		** 77.37	4	40	
Aroclor-1242			5049.5048	1217.8217		** 69.73	4	30	
Aroclor-1248			5049.5048	980.198		1.74	4	40	
Aroclor-1254			5049.5048	1306.9307		21.21	4	40	
Aroclor-1260			5049.5048	1158.4158		15.30	4	40	
Aroclor-1262			5049.5048	980.198		10.19	4	40	
Aroclor-1268			5049.5048	980.198		3.71	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229381 ACF DF100 AC95A12 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 2:41:52 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.083.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.024		3453	4765
2.061		3277	4572
2.114		2955	1973
2.18		6705	7432
2.304		4579	3421
2.467		1393	1523
2.493		1386	896
2.613		810	376
2.626		2901	1979
2.683		1089	2047
2.844		2287	3061
2.904	TCX	55694	41589
2.996		788	316
3.056		5151	4630
3.11		2858	3166
3.156		7027	6475
3.205		2968	1936
3.222		2928	1530
3.25		2027	2003
3.291		2039	2317
3.331		800	539
3.371		5245	3284
3.389		7986	5668
3.441		8093	8403
3.485		17848	13782
3.538		1815	1113
3.561		14337	10085
3.595		2182	1215
3.609		1674	821
3.665		24593	34128
3.701		40634	34056
3.756		10193	7964
3.794		6823	5406
3.823		100665	71974
3.85		75005	53238
3.872		74881	47605
3.946		38030	25119
3.97		36219	24526
4		105998	76136
4.032		65926	65248
4.078		12673	11286
4.107		14836	18767
4.156		23284	15777
4.192		310079	220749
4.209		80335	41989
4.235		314771	268674
4.302		249990	207573
4.344		769440	778925
4.379		465367	383994
4.418		69199	52037
4.44		58198	40413
4.482		247682	211305
4.532		231561	174923
4.548		16873	5906

RT A	Compound A	Height A	Area A
4.562		87661	52858
4.592		1688015	1441610
4.641		241496	282903
4.676		82848	52455
4.716		824871	795671
4.763		142795	123975
4.803		1086450	1010477
4.834		12982	7862
4.862		231238	218866
4.914		1166957	1556159
4.964		82411	68862
5.001		704329	723097
5.047		104804	80922
5.071		32279	21860
5.084		76196	50954
5.119		1830733	1646817
5.14		77617	38510
5.159		52592	28874
5.185		277965	242461
5.228		203181	208616
5.325		384527	315251
5.348		317077	240619
5.38		9598	6349
5.404		177797	147523
5.442		144329	133733
5.468		11012	17753
5.525		287842	273556
5.558		59527	46589
5.585		898503	832720
5.62		10122	7154
5.673		7931	7948
5.705		2047	1345
5.73		2031	1258
5.745		3089	2638
5.79		648874	607447
5.821		58051	39793
5.844		65757	66760
5.958		28919	25286
5.981		3374	2286
6.011		3544	2232
6.034		20144	14531
6.062		150490	136403
6.128		11610	9933
6.164		1840	1272
6.191		14705	10929
6.219		202112	187723
6.264		11918	11170
6.305		1322	2210
6.423		39040	43087
6.501		543	480
6.537		5181	4842
6.571	DCB	37955	38541
6.608		11362	10944
6.844		11925	22057
7.079		1193	1763
7.431		1231	2079
7.879		1097	427
7.904		1545	2044
8.179		721	1199
8.367		3709	9048
8.521		7445	15446

LANCASTER LABORATORIES

Sample Number: 9229381 ACF DF100 AC95A12 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 2:41:52 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.083.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.035		2803	1906
2.076		14294	15238
2.12		7666	15944
2.173		4897	9133
2.282		14665	13100
2.348		2319	4217
2.382		2363	3576
2.398		8016	18072
2.457		15053	33359
2.532	TCX	206554	137648
2.582		6404	5876
2.637		7937	12018
2.707		26514	29696
2.75		8071	7765
2.77		8470	8555
2.82		30992	44726
2.909		2331	2850
2.933		5578	7849
3.027		13244	7833
3.036		22196	14125
3.078		5898	2739
3.098		31649	20846
3.146		64493	47382
3.184		66947	43829
3.232		8871	4780
3.247		19549	20940
3.304		104233	89778
3.324		55248	26815
3.339		96186	91518
3.411		45015	41202
3.448		407811	255896
3.47		438419	243399
3.488		345380	191471
3.573		141173	80802
3.595		138567	82311
3.616		433509	290683
3.646		79476	41407
3.662		222607	140912
3.698		120771	95868
3.739		104316	78545
3.768		126410	72904
3.789		1877201	1241576
3.813		717586	418764
3.832		566000	320864
3.853		944838	606732
3.887		2753725	1986662
3.918		1932451	1700933
3.956		350901	224059
3.993		325773	250182
4.026		916412	628457
4.047		60470	42923
4.081		1423552	1080734
4.114		654803	536460
4.14		5852405	4637468

RT B	Compound B	Height B	Area B
4.177		677427	608669
4.229		3667016	3088559
4.265		631720	493091
4.297		3444171	2396211
4.321		1020814	734968
4.363		4299375	3567864
4.415		42907	41469
4.459		2731469	3075526
4.509		2111691	1782700
4.55		1300890	1125169
4.586		6347424	5634467
4.619		694296	575982
4.656		782100	625316
4.712		51703	33420
4.726		22768	11313
4.753		153195	91533
4.771		321076	214668
4.802		1190120	836611
4.824		1576107	1155124
4.875		1005890	940520
4.909		499273	404104
4.94		349705	281214
4.972		1116292	767781
4.994		3083031	2593653
5.037		77588	53170
5.066		105545	84639
5.089		4603	1995
5.103		38779	29305
5.132		39533	27803
5.166		22726	17194
5.188		14759	8278
5.21		531409	484207
5.253		2372159	2757895
5.352		7021	11064
5.41		167540	140590
5.441		13677	8037
5.458		109505	79863
5.503		328712	249977
5.529		351104	286339
5.568		18662	23987
5.611		82612	59521
5.639		777847	675620
5.671		49013	38765
5.716		12795	10327
5.757		4283	3431
5.839		180486	160670
5.889		7427	8237
5.978		8820	6235
5.998	DCB	173659	146384
6.036		65828	55099
6.089		4213	3380
6.129		7205	5415
6.196		9008	6372
6.235		4668	4634
6.325		5972	7229
6.366		9688	16239
6.484		39363	68055
6.675		5257	11075
6.825		2119	2324
6.899		5361	6198
6.946		2698	2205
7.08		2561	3714
7.17		2499	1645
7.202		1311	1043
7.266		1853	1642
7.359		1306	4166

RT B	Compound B	Height B	Area B
7.396		7276	9041
7.441		1476	1612
7.465		3961	4351
7.685		2140	2273
7.74		2109	1915
7.836		19078	38824
7.916		14145	26399
8.009		12444	21711
8.155		1685	7371
8.207		33208	56139
8.347		6038	16321
8.507		2247	3899
8.555		1990	1928
8.672		2347	1530

9229381 ACF DF100 AC95A12 T 172760009A 10225 SW-846 8082

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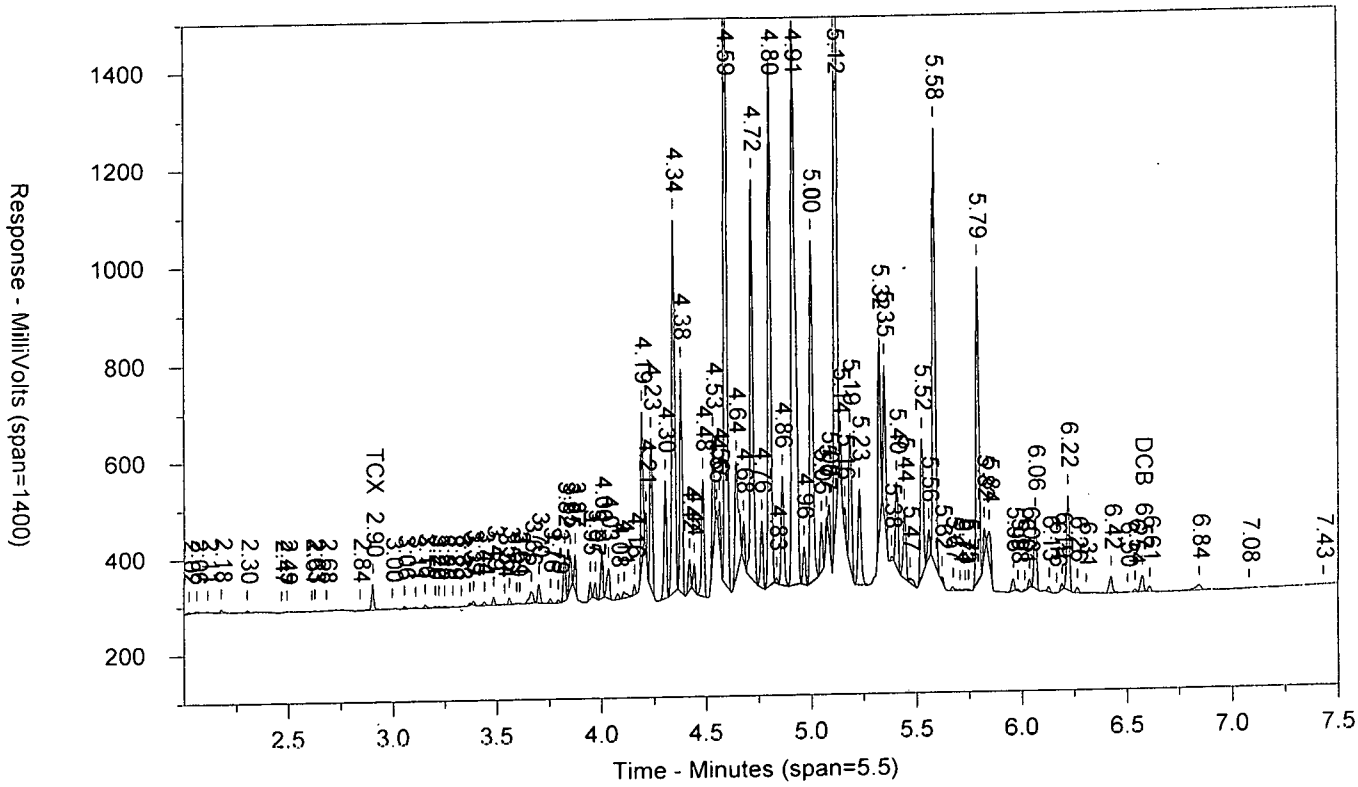

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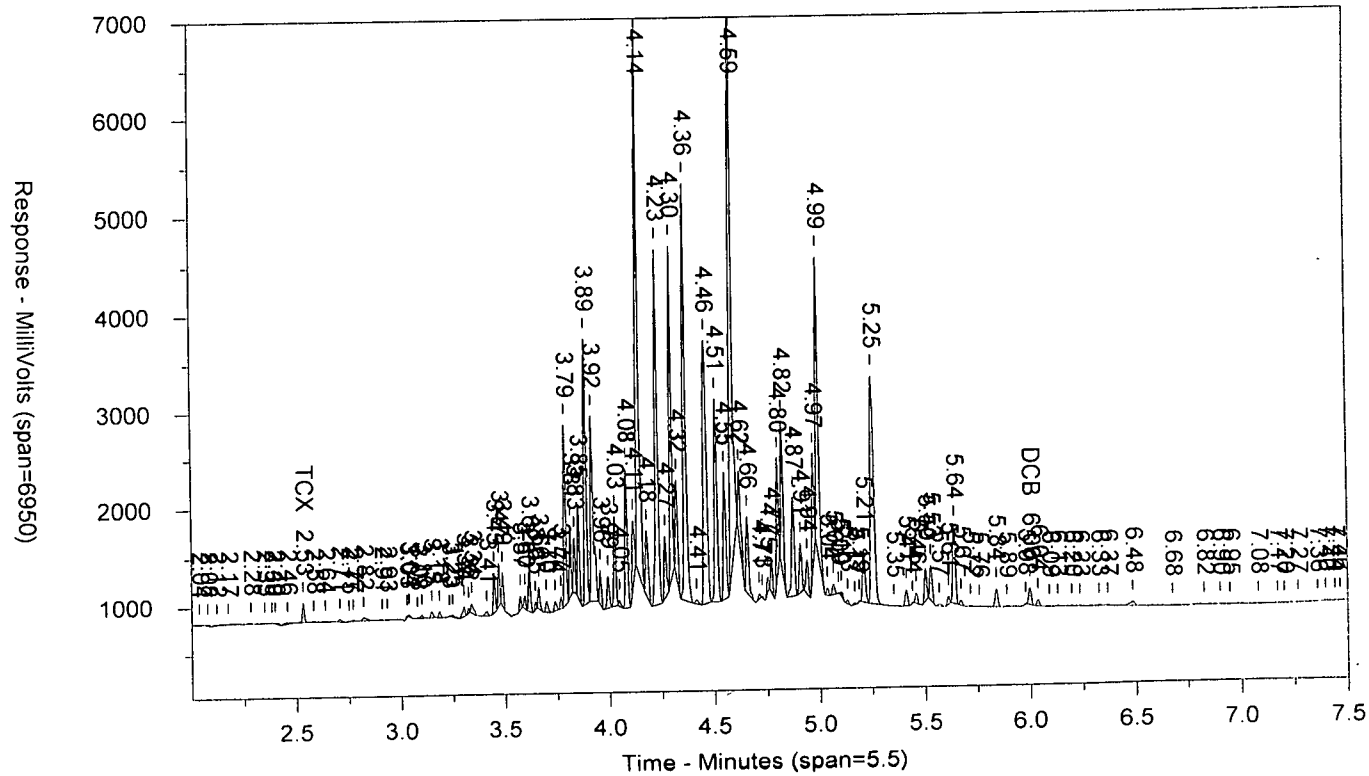

LANCASTER LABORATORIES

Sample Number: 9229381 ACF DF100 AC95A12 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 2:41:52 PM Sample Weight: 10.1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	55694	28.895	TCX	2.532	206554	30.406	TCX
6.571	37955	29.327	DCB	5.998	173659	36.537	DCB

Files:
Area File: 20PCBs17275004.083.RAW
Area File: 20PCBs17275004B.083.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 2:50:36 PM
File Reported On: 10/5/2017 at 2:50:52 PM

9229381 ACF DF100 AC95A12 T 172760009A 10225 SW-846 8082

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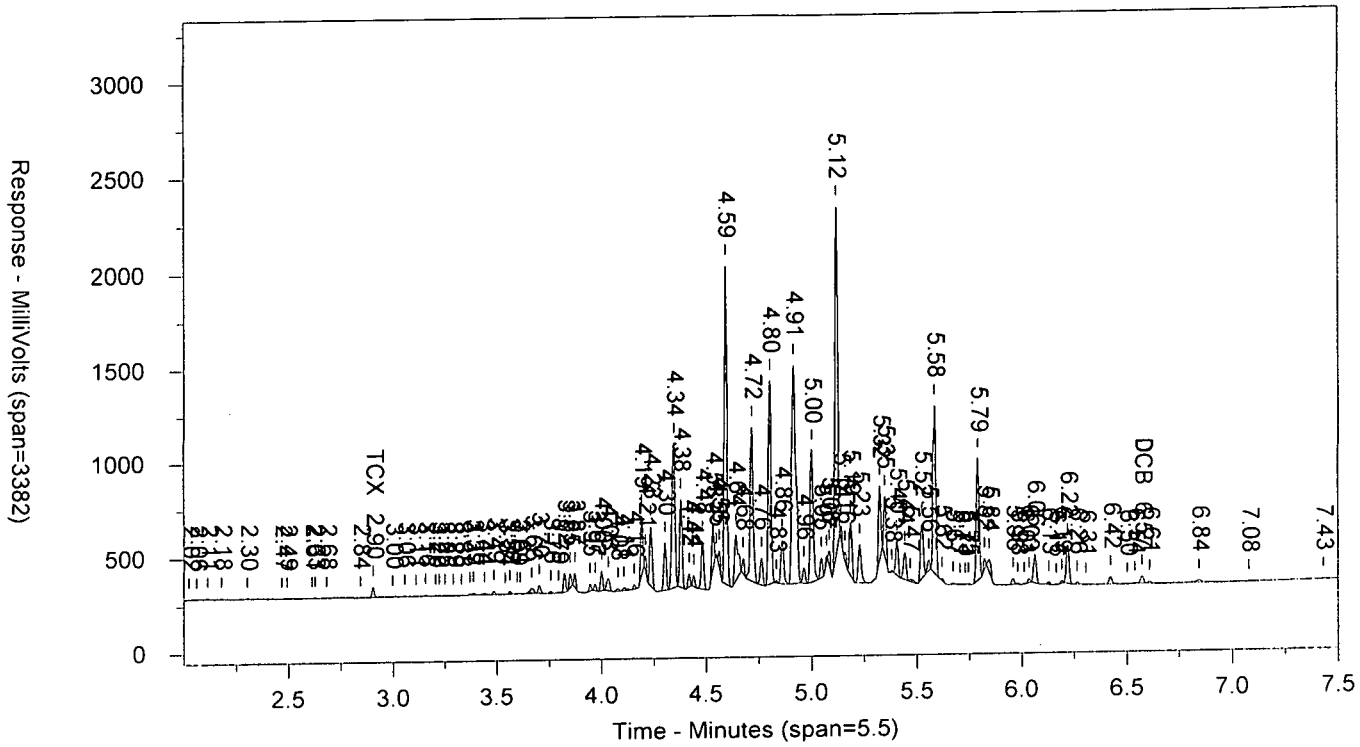

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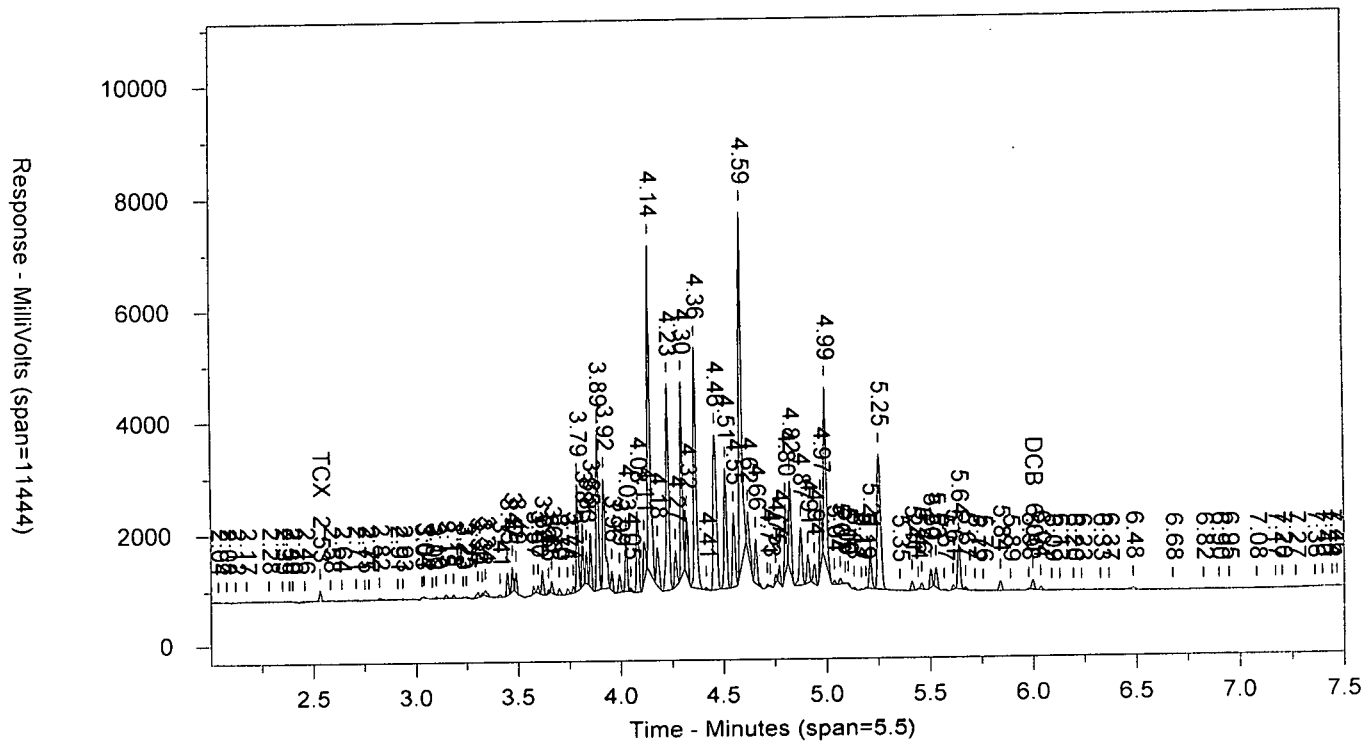

9229381 ACF DF100 AC95A12 T 172760009A 10225 SW-846 8082

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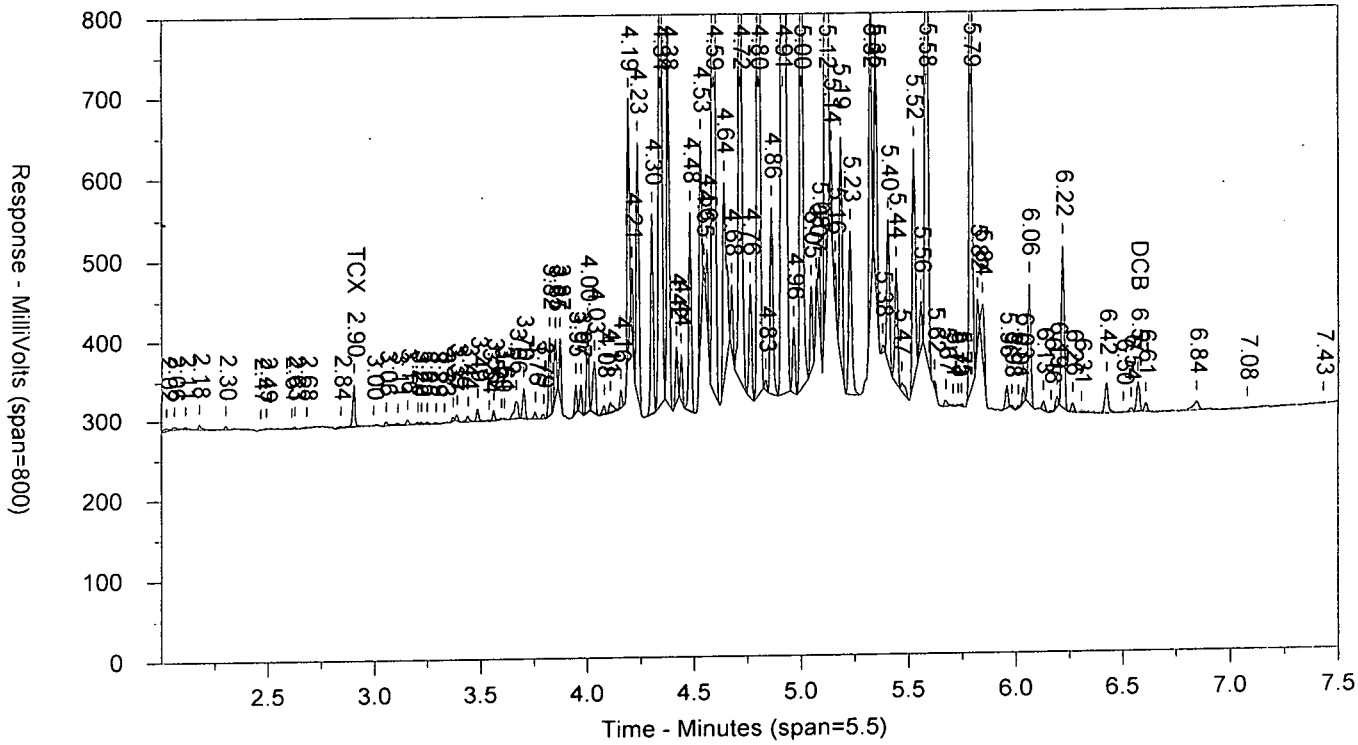

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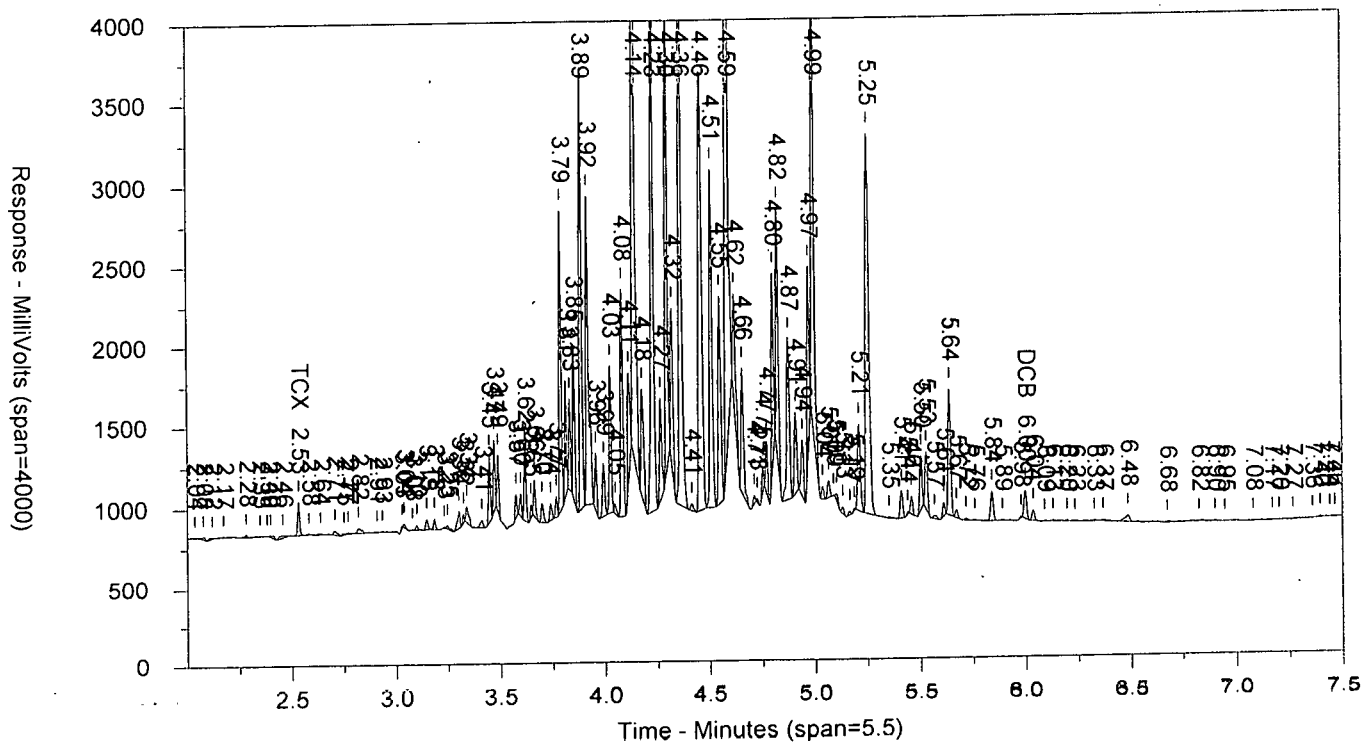

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Data Summary

Sample Name: 9229382 ACF DF200 95A13 Sample ID: AD **Batchnumber:** 172760009A
Sample Amount: 10.33 g Total Volume: 2000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 14:53:25
Instrument	17342A
Result file	20PCBS17275004.084.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) * 156% (61 - 152) Conc: 46.20471
%SSR(DCB) * 188% (48 - 164) Conc: 49.51054

Analysis Report (B)

Injected on	Oct 05, 2017 14:53:25
Instrument	17342B
Result file	20PCBS17275004B.084.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) * 169% (61 - 152) Conc: 49.91515
%SSR(DCB) * 201% (48 - 164) Conc: 52.78072

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	45543	46.20471	Tetrachloro-m-xylene	2.50	2.53	2.56	173403	49.91515
Decachlorobiphenyl	6.55	6.57	6.61	32768	49.51054	Decachlorobiphenyl	5.97	6.00	6.03	128289	52.78072

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	49.91515				7.72	
☑	Tetrachloro-m-xylene-D1	A	46.20471					
☑	Tetrachloro-m-xylene-D2	B	49.91515					
☐	Decachlorobiphenyl	B	52.78072				6.39	
☑	Decachlorobiphenyl-D1	A	49.51054					
☑	Decachlorobiphenyl-D2	B	52.78072					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**29.82**	
4.52	4.53	4.56	782010.7	38895.439598			1
4.58	4.59	4.62	3703766	91534.269174			2
4.70	4.72	4.74	1415868	107284.617888			3
4.79	4.80	4.83	2113210	94080.4692			4
4.98	5.00	5.02	1124676	70259.470252			5
5.10	5.12	5.14	2701304	96159.538593			6

Height summation: **11840834.7**
Concentration CF: **83035.634118** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**32.45**	
4.06	4.08	4.10	3707546	44287.53122			1
4.12	4.14	4.16	11822300	88456.149116			2
4.21	4.23	4.25	6233858	86874.033476			3
4.34	4.36	4.38	6304202	130994.13227			4
4.44	4.46	4.47	4059920	86324.223862			5
4.57	4.59	4.61	9411563	116829.6285			6

Height summation: **41539389**
Concentration CF: **92294.283074** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<9874.1528	<1916.7473	D1		4	
☑	PCB-1221			<9874.1528	<2962.2458	D1		3	
☑	PCB-1232			<9874.1528	<2381.4133	D1		4	
☑	PCB-1242			<9874.1528	<2381.4133	D1		4	
☑	PCB-1248			<9874.1528	<1916.7473	D1		4	
☑	PCB-1254	B	92294.283074	9874.1528	2555.6631	D2	10.56	4	
☑	PCB-1260			<9874.1528	<2265.2468	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:44

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229382** ACF DF200 95A13 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.33 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 14:53:25
Instrument : CP20--17342A
Result file : 20PCBS17275004.084.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : *156% (61-152) Conc.: 46.20471
%SSR(DCB) : *188% (48-164) Conc.: 49.51054

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**107.01**	
3.14	3.16	3.18	12065.75	779.780425			1
+ 3.36	3.37	3.40	19859.55	1199.303557			2
3.36	3.39	3.40	27143.51	1639.176522			2
3.47	3.49	3.51	94298.58	4869.48797			3
3.68	3.71	3.72	104137.2	4635.337637			4
3.74	3.75	3.78	32920.23	1725.202136			5
3.93	3.95	3.97	212470.9	14151.765617			6
+ 3.93	3.97	3.97	200937.2	13383.555857			6
Height Summation:			**483036.17**				
Amount Avg CF:			**4633.458384**	Linear:			
Aroclor-1221					**3**	**13.50**	
3.04	3.05	3.08	5368.557	720.97487			1
+ 3.04	3.07	3.08	2015.762	270.70845			1
3.09	3.11	3.13	3807.797	574.754272			2
+ 3.09	3.13	3.13	1265.604	191.03206			2
3.14	3.16	3.18	12065.75	575.487664			3
Height Summation:			**21242.104**				
Amount Avg CF:			**623.738935**	Linear:			
Aroclor-1232					**6**	**98.08**	
3.14	3.16	3.18	12065.75	667.648268			1
+ 3.36	3.37	3.40	19859.55	2751.992175			2
3.36	3.39	3.40	27143.51	3761.350439			2
3.47	3.49	3.51	94298.58	10872.623796			3
3.68	3.71	3.72	104137.2	10066.442633			4
3.74	3.75	3.78	32920.23	3976.682091			5
3.93	3.95	3.97	212470.9	25665.957466			6
+ 3.93	3.97	3.97	200937.2	24272.715127			6
Height Summation:			**483036.17**				
Amount Avg CF:			**9168.450782**	Linear:			
Aroclor-1242					**6**	**106.76**	
3.14	3.16	3.18	12065.75	556.292184			1
+ 3.35	3.37	3.39	19859.55	871.376801			2
3.35	3.39	3.39	27143.51	1190.974867			2
3.47	3.49	3.51	94298.58	3491.363013			3
3.68	3.71	3.72	104137.2	3292.428444			4
3.74	3.75	3.78	32920.23	1199.541063			5
3.93	3.95	3.97	212470.9	10043.904718			6
Height Summation:			**483036.17**				
Amount Avg CF:			**3295.750715**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 14:53:25
Instrument : CP20--17342B
Result file : 20PCBS17275004B.084.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : *169% (61-152) Conc.: 49.91515
%SSR(DCB) : *201% (48-164) Conc.: 52.78072

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	120.49	
+ 2.80	2.82	2.84	13582.94	224.757245			1
2.80	2.83	2.84	34675.61	573.778179			1
3.13	3.14	3.17	372161.9	4838.265243			2
3.32	3.32	3.36	580474.1	8560.611699			3
+ 3.32	3.35	3.36	293849.9	4333.58679			3
3.39	3.41	3.43	151664.4	1978.606766			4
+ 3.45	3.47	3.49	1869599	32167.072324			5
3.45	3.49	3.49	1976940	34013.909913			5
3.55	3.57	3.59	778133.5	11439.046567			6
Height Summation:			**3894049.51**				
Amount Avg CF:			**10234.036395**	Linear:			
Aroclor-1221					3	65.91	
+ 2.69	2.69	2.73	5323.88	153.10671			1
2.69	2.71	2.73	43296.32	1245.13646			1
+ 2.69	2.72	2.73	11123.53	319.895843			1
+ 2.75	2.76	2.79	3466.263	160.860565			2
2.75	2.77	2.79	9268.79	430.141279			2
+ 2.75	2.79	2.79	5071.053	235.334841			2
+ 2.80	2.82	2.84	13582.94	174.691837			3
2.80	2.83	2.84	34675.61	445.967221			3
Height Summation:			**87240.72**				
Amount Avg CF:			**707.081653**	Linear:			
Aroclor-1232					6	127.39	
+ 2.80	2.82	2.84	13582.94	202.450477			1
2.80	2.83	2.84	34675.61	516.831687			1
3.13	3.14	3.17	372161.9	10253.903542			2
3.32	3.32	3.36	580474.1	18202.966879			3
+ 3.32	3.35	3.36	293849.9	9214.778053			3
3.39	3.41	3.43	151664.4	4451.229989			4
E+ 3.45	3.47	3.49	1869599	78940.366672			5
E 3.45	3.49	3.49	1976940	83472.642256			5
3.55	3.57	3.59	778133.5	27601.35124			6
Height Summation:			**3894049.51**				
Amount Avg CF:			**24083.154266**	Linear:			
Aroclor-1242					6	120.51	
+ 2.80	2.82	2.84	13582.94	170.669552			1
2.80	2.83	2.84	34675.61	435.698811			1
3.13	3.14	3.17	372161.9	3778.183043			2
3.32	3.32	3.36	580474.1	6423.401417			3
+ 3.32	3.35	3.36	293849.9	3251.679729			3
3.39	3.41	3.43	151664.4	1502.89739			4
+ 3.45	3.47	3.49	1869599	24592.773361			5
3.45	3.49	3.49	1976940	26004.740786			5
3.55	3.57	3.59	778133.5	8788.796123			6
Height Summation:			**3894049.51**				
Amount Avg CF:			**7822.286262**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229382** ACF DF200 95A13 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.33 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 14:53:25
Instrument : CP20--17342A
Result file : 20PCBS17275004.084.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	104.52	
3.68	3.71	3.72	104137.2	10388.649951			1
3.74	3.75	3.78	32920.23	2913.915565			2
3.81	3.82	3.85	534378.1	27007.770881			3
3.93	3.95	3.97	212470.9	9492.75558			4
+ 3.93	3.97	3.97	200937.2	8977.453978			4
4.02	4.03	4.06	288409	16445.233789			5
+ 4.20	4.21	4.24	376343.9	22406.404391			6
4.20	4.23	4.24	1110663	66125.595023			6
Height Summation:			**2282978.43**				
Amount Avg CF:			**22062.320131**	Linear:			
Aroclor-1254					6	29.82	
4.52	4.53	4.56	782010.7	38895.439598			1
4.58	4.59	4.62	3703766	91534.269174			2
4.70	4.72	4.74	1415868	107284.617888			3
4.79	4.80	4.83	2113210	94080.4692			4
4.98	5.00	5.02	1124676	70259.470252			5
5.10	5.12	5.14	2701304	96159.538593			6
+ 5.10	5.14	5.14	116100.9	4132.896177			6
Height Summation:			**11840834.7**				
Amount Avg CF:			**83035.634117**	Linear:			
Aroclor-1260					6	54.06	
4.70	4.72	4.74	1415868	44488.318383			1
4.90	4.91	4.94	1857517	52696.528348			2
5.11	5.12	5.15	2701304	63449.868019			3
+ 5.11	5.14	5.15	116100.9	2727.048411			3
5.33	5.35	5.37	396050.2	17344.178987			4
5.57	5.58	5.61	1000601	18691.011232			5
5.78	5.79	5.82	767658.9	22120.885057			6
Height Summation:			**8138999.1**				
Amount Avg CF:			**36465.131671**	Linear:			
Aroclor-1262					6	47.24	
5.17	5.18	5.21	343170.9	8934.234613			1
5.33	5.35	5.37	396050.2	12340.222841			2
5.57	5.58	5.61	1000601	14840.43736			3
5.78	5.79	5.82	767658.9	16396.7882			4
5.83	5.84	5.87	64771.99	2830.558789			5
6.20	6.22	6.24	207491.1	8013.330657			6
Height Summation:			**2779744.09**				
Amount Avg CF:			**10559.262077**	Linear:			
Aroclor-1268					6	102.43	
5.77	5.79	5.81	767658.9	8953.197425			1
5.83	5.84	5.87	64771.99	890.905876			2
5.96	5.98	6.00	3628.321	49.56674			3
+ 6.03	6.03	6.07	22307.37	1324.406437			4
6.03	6.06	6.07	172786.8	10258.490811			4
6.20	6.22	6.24	207491.1	7776.495892			5
6.40	6.42	6.44	41154.67	173.002939			6
Height Summation:			**1257491.781**				
Amount Avg CF:			**4683.609947**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 14:53:25
Instrument : CP20--17342B
Result file : 20PCBS17275004B.084.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	104.95	
3.32	3.32	3.36	580474.1	19865.247977			1
+ 3.32	3.35	3.36	293849.9	10056.26458			1
3.39	3.41	3.43	151664.4	3262.406461			2
3.43	3.45	3.47	1815091	22957.518876			3
3.55	3.57	3.59	778133.5	8290.865788			4
+ 3.64	3.65	3.68	42687.91	657.732237			5
3.64	3.66	3.68	1006294	15504.905334			5
3.77	3.79	3.81	7019270	72166.639864			6
Height Summation:			**11350927**				
Amount Avg CF:			**23674.597383**	Linear:			
Aroclor-1254					6	32.45	
4.06	4.08	4.10	3707546	44287.53122			1
4.12	4.14	4.16	11822300	88456.149116			2
4.21	4.23	4.25	6233858	86874.033476			3
4.34	4.36	4.38	6304202	130994.13227			4
4.44	4.46	4.47	4059920	86324.223862			5
4.57	4.59	4.61	9411563	116829.6285			6
Height Summation:			**41539389**				
Amount Avg CF:			**92294.283074**	Linear:			
Aroclor-1260					6	72.10	
4.34	4.36	4.38	6304202	50715.768028			1
4.44	4.46	4.48	4059920	39498.763476			2
4.57	4.59	4.61	9411563	92319.069981			3
4.78	4.80	4.82	1313304	14349.450149			4
4.98	4.99	5.01	3282730	20000.401878			5
5.24	5.25	5.28	2639556	23657.263342			6
Height Summation:			**27011275**				
Amount Avg CF:			**40090.119476**	Linear:			
Aroclor-1262					6	47.91	
4.60	4.62	4.64	671280.2	5343.143588			1
4.78	4.80	4.82	1313304	9908.791118			2
4.98	4.99	5.01	3282730	16323.217699			3
5.19	5.21	5.23	575764.6	6044.207447			4
5.24	5.25	5.28	2639556	17905.127196			5
5.62	5.64	5.66	801234.6	9658.567529			6
Height Summation:			**9283869.4**				
Amount Avg CF:			**10863.842429**	Linear:			
Aroclor-1268					6	110.18	
5.19	5.21	5.23	575764.6	2254.590755			1
5.24	5.25	5.28	2639556	11027.570941			2
5.39	5.41	5.43	220853.2	905.709907			3
5.46	5.46	5.50	117131.8	1796.567131			4
+ 5.46	5.48	5.50	6213.291	95.299435			4
5.62	5.64	5.66	801234.6	9966.925365			5
5.82	5.84	5.86	186772.1	247.905105			6
Height Summation:			**4541312.3**				
Amount Avg CF:			**4366.544867**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229382** ACF DF200 95A13 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.33 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 14:53:25
Instrument : CP20--17342A
Result file : 20PCBS17275004.084.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 14:53:25
Instrument : CP20--17342B
Result file : 20PCBS17275004B.084.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			9874.1528	1916.7473		** 75.34	4	40	
Aroclor-1221			9874.1528	2962.2458		12.53	3	5	
Aroclor-1232			9874.1528	2381.4133		** 89.71	4	40	
Aroclor-1242			9874.1528	2381.4133		** 81.43	4	30	
Aroclor-1248			9874.1528	1916.7473		7.05	4	40	
Aroclor-1254			9874.1528	2555.6631		10.56	4	40	
Aroclor-1260			9874.1528	2265.2468		9.47	4	40	
Aroclor-1262			9874.1528	1916.7473		2.84	4	40	
Aroclor-1268			9874.1528	1916.7473		7.01	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229382 ACF DF200 AD95A13 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 2:53:25 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.084.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.023		27631	26207
2.057		3079	3041
2.114		2363	4830
2.18		41780	31468
2.26		2380	1975
2.304		6701	11594
2.364		6991	13781
2.425		2872	6506
2.462		2769	3375
2.494		2025	1356
2.542		3122	4543
2.586		1272	852
2.609		2732	2042
2.627		9517	4705
2.683		5743	9425
2.713		3788	3228
2.731		2810	3149
2.763		1625	682
2.782		3159	5322
2.869		1864	2810
2.904	TCX	45543	32097
2.952		1528	1524
2.987		1954	1174
3.011		4803	4087
3.055		5369	3360
3.072		2016	877
3.093		1471	1021
3.112		3808	2251
3.133		1266	558
3.156		12066	12302
3.206		4291	2490
3.223		10294	5599
3.248		5790	4973
3.3		1095	539
3.325		1869	1475
3.347		1734	981
3.37		19860	10996
3.387		27144	16328
3.423		2553	1480
3.44		5064	4419
3.485		94299	67059
3.535		1919	1993
3.56		8784	6770
3.593		7216	4094
3.609		6105	3376
3.671		213920	287915
3.706		104137	91676
3.755		32920	24199
3.794		55885	40627
3.822		534378	372707
3.849		553755	373491
3.872		543895	378602
3.945		212471	146283
3.969		200937	144214

RT A	Compound A	Height A	Area A
3.999		390041	275130
4.032		288409	248599
4.077		51553	48341
4.106		28168	19121
4.157		75114	55986
4.192		1276790	877467
4.209		376344	206933
4.234		1110663	892627
4.273		1436	650
4.302		546122	449986
4.344		2025353	2172801
4.378		1234782	957679
4.418		142321	102725
4.44		161717	115584
4.481		668570	553634
4.531		782011	715051
4.562		217635	140072
4.592		3703766	3005923
4.64		418549	452566
4.675		205785	138788
4.716		1415868	1344956
4.762		260655	222357
4.802		2113210	1894285
4.834		28210	17233
4.862		341542	324739
4.914		1857517	2467120
4.964		113546	92463
5.001		1124676	1151139
5.047		159692	124589
5.071		48477	30824
5.083		111741	74480
5.118		2701305	2447505
5.141		116101	55545
5.159		81804	46789
5.185		343171	283417
5.228		237469	253260
5.325		628876	495685
5.348		396050	292169
5.382		15216	9233
5.405		213786	178082
5.443		191673	191304
5.481		20277	24902
5.525		399750	362942
5.558		88268	76515
5.585		1000601	922995
5.621		17048	12074
5.673		4065	4644
5.746		4038	3756
5.79		767659	706765
5.822		71763	51055
5.844		64772	68864
5.958		45009	38593
5.981		3628	2400
6.012		4682	3198
6.034		22307	15639
6.063		172787	163279
6.129		20218	20792
6.165		1926	1339
6.191		20523	15179
6.219		207491	195902
6.264		12842	12290
6.304		3243	4652
6.422		41155	44151
6.538		7066	6420
6.571	DCB	32768	32043
6.609		12901	13333

RT A	Compound A	Height A	Area A
6.736		6232	13832
6.845		10736	18871
6.897		1092	1022
7.019		946	1956
7.162		1137	1804
7.375		1086	838
7.566		813	671
7.707		870	1503
7.907		10790	17233
8.026		890	586
8.091		844	1071
8.258		1071	1676
8.365		2886	5034
8.521		7713	18109

LANCASTER LABORATORIES

Sample Number: 9229382 ACF DF200 AD95A13 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 2:53:25 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.084.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.025		14161	18437
2.08		26917	24459
2.111		11066	11329
2.149		8262	4920
2.168		10887	15472
2.209		9817	13098
2.241		7503	10318
2.281		69686	47310
2.316		11782	17775
2.35		3993	1786
2.362		11202	7559
2.408		22292	21248
2.458		24694	38912
2.484		4830	2059
2.511		10272	6578
2.532	TCX	173403	101409
2.58		4813	1580
2.592		14412	7080
2.627		26493	72954
2.69		5324	5480
2.706		43296	25183
2.724		11124	5704
2.742		6578	2701
2.756		3466	1460
2.769		9269	4895
2.785		5071	2437
2.819		13583	6524
2.829		34676	16826
2.867		11051	7416
2.89		5240	2613
2.929		25517	29737
2.962		5436	4381
2.988		14580	23295
3.026		36568	20650
3.036		78497	39543
3.075		17561	10895
3.098		23604	15187
3.12		7794	3341
3.144		372162	252719
3.183		45276	33184
3.23		47803	26776
3.245		20992	10997
3.303		619322	476005
3.323		580474	358396
3.353		293850	162217
3.411		151664	128008
3.447		1815091	1133181
3.47		1869599	1024679
3.487		1976940	1103763
3.542		7505	4687
3.572		778134	466603
3.595		769594	434874
3.616		1365316	940913
3.646		42688	20060

RT B	Compound B	Height B	Area B
3.661		1006294	680223
3.699		275449	218778
3.739		255201	194435
3.767		300923	164082
3.788		7019270	4601652
3.813		2412450	1384723
3.831		1606385	910912
3.852		1853491	1180915
3.887		7155435	4847897
3.917		3744383	2246260
3.932		985171	470039
3.955		626620	379763
3.992		808307	599244
4.025		2234484	1580979
4.047		88689	68636
4.081		3707546	2687135
4.113		1392533	1135384
4.139		11822300	9044929
4.176		1082921	997384
4.229		6233859	5205280
4.264		1081899	823358
4.296		5990202	4228376
4.32		1472951	1046450
4.362		6304203	5277917
4.415		142725	122284
4.457		4059920	4641391
4.509		3308981	2834705
4.549		1761475	1554716
4.586		9411563	8137185
4.618		671280	694122
4.656		918143	735165
4.711		68553	42845
4.725		21451	10427
4.753		158344	96291
4.77		399513	277934
4.802		1313304	934118
4.824		2277490	1710333
4.875		1221057	1057032
4.909		609224	500510
4.94		399723	305586
4.971		1456683	1049647
4.993		3282730	2799368
5.036		85489	61485
5.065		133403	109447
5.091		41267	80569
5.131		14870	11883
5.167		9527	5684
5.186		23095	12688
5.21		575765	536015
5.253		2639557	3046779
5.354		6656	4907
5.411		220853	190874
5.442		14215	8976
5.457		117132	84332
5.48		6213	2737
5.503		419066	325790
5.528		395556	304716
5.575		20720	22508
5.612		103953	76150
5.639		801235	679429
5.671		51909	38327
5.716		12582	12322
5.839		186772	161467
5.978		16942	10164
5.999	DCB	128289	104198
6.036		72085	65152

RT B	Compound B	Height B	Area B
6.096		4092	6038
6.129		7755	6683
6.168		4109	2830
6.199		17775	20680
6.299		2580	1379
6.365		8686	12482
6.485		37141	67163
6.535		7400	30093
6.678		3179	1801
6.738		2396	1210
6.826		2372	2201
6.896		3093	4122
6.966		6582	8575
7.083		2246	2108
7.22		1913	1077
7.317		7953	11627
7.396		41355	50348
7.537		2049	2712
7.631		2969	4599
7.705		2744	4844
7.833		17705	33997
7.915		2871	2606
8.013		12116	19872
8.082		2724	2151
8.121		2328	946
8.16		1611	787
8.21		3378	3548
8.37		4567	16256
8.533		2427	1801
8.596		1470	4414
8.661		2568	2387

9229382 ACF DF200 AD95A13 T 172760009A 10225 SW-846 8082

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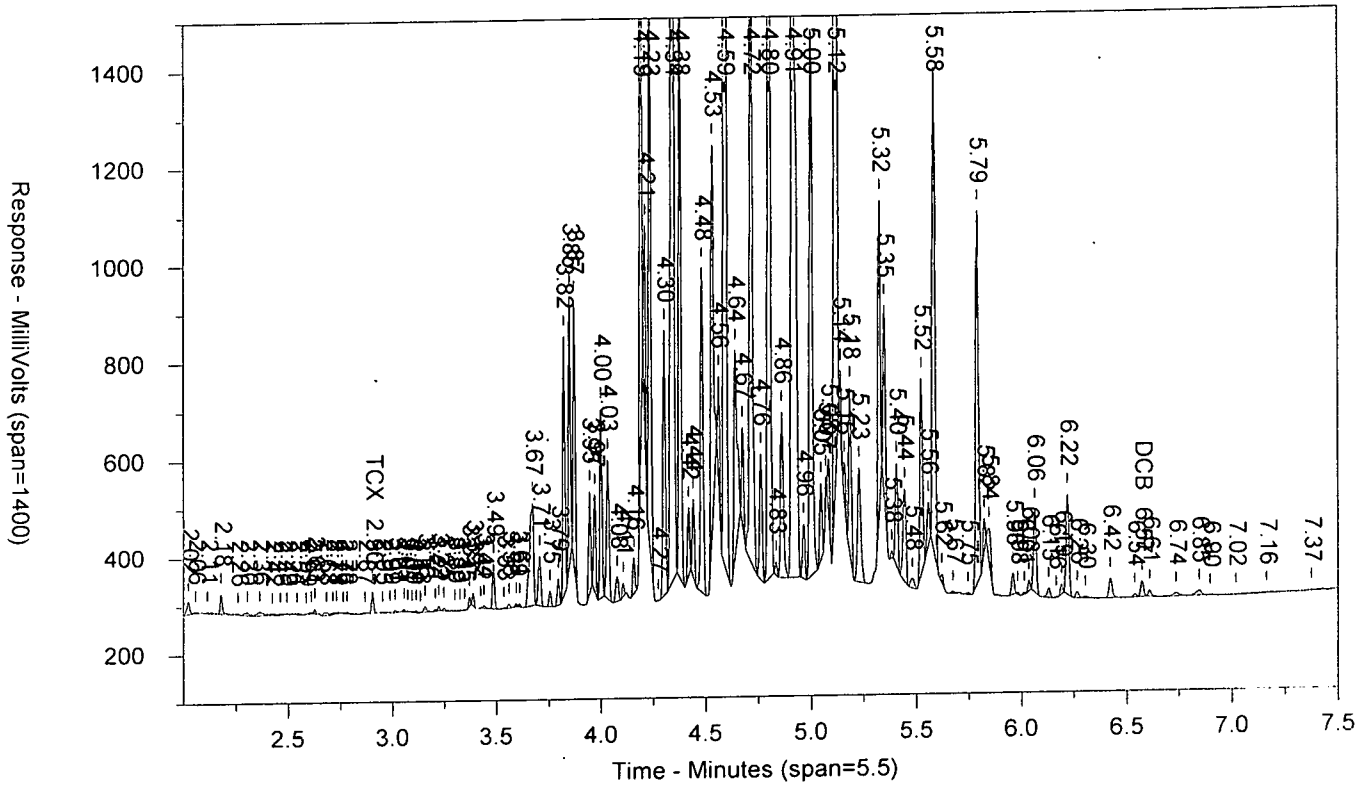

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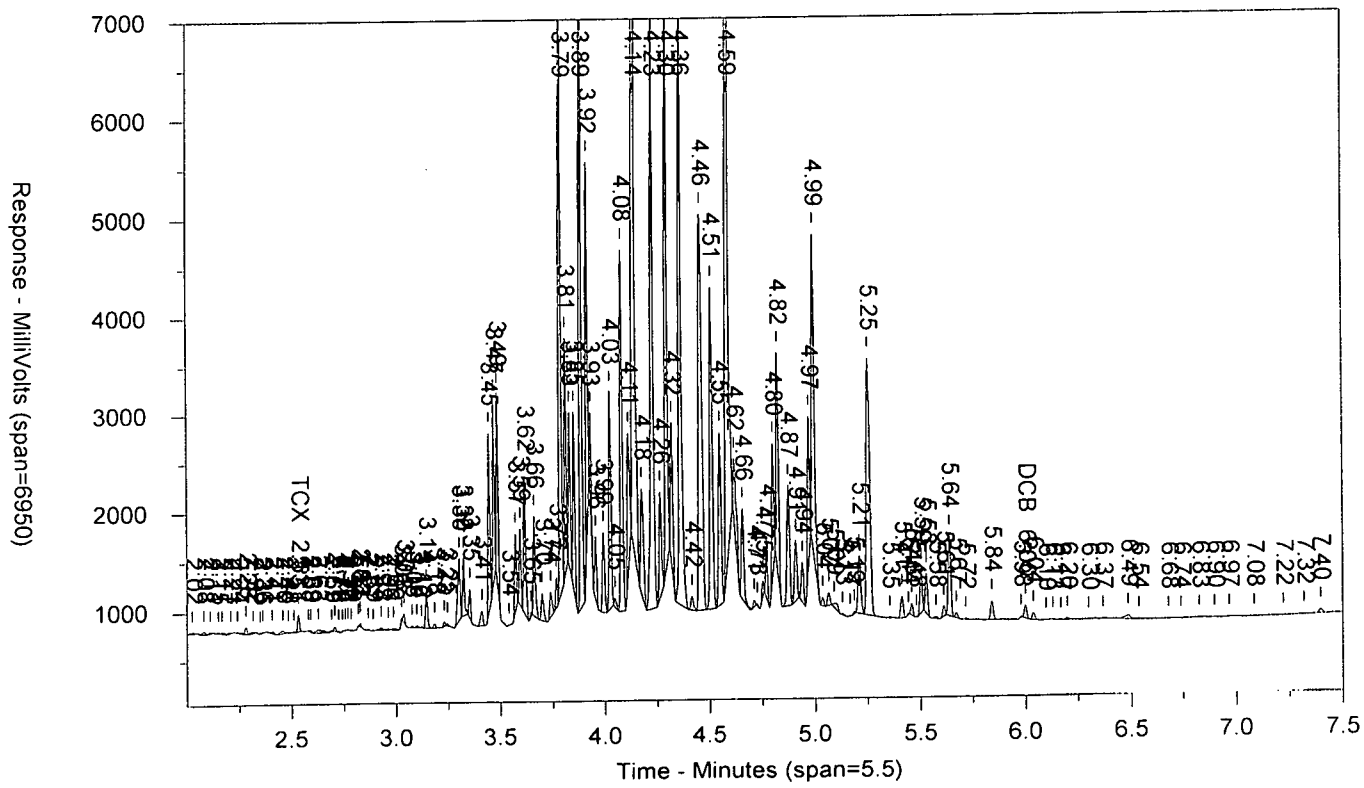

LANCASTER LABORATORIES

Sample Number: 9229382 ACF DF200 AD95A13 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 2:53:25 PM
Sample Weight: 10.33
Dilution Factor: 2000
Instrument ID: CP20-17342
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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	45543	46.205	TCX	2.532	173403	49.915	TCX
6.571	32768	49.511	DCB	5.999	128289	52.781	DCB

Files:
Area File: 20PCBs17275004.084.RAW
Area File: 20PCBs17275004B.084.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 3:02:08 PM
File Reported On: 10/5/2017 at 3:02:22 PM

9229382 ACF DF200 AD95A13 T 172760009A 10225 SW-846 8082

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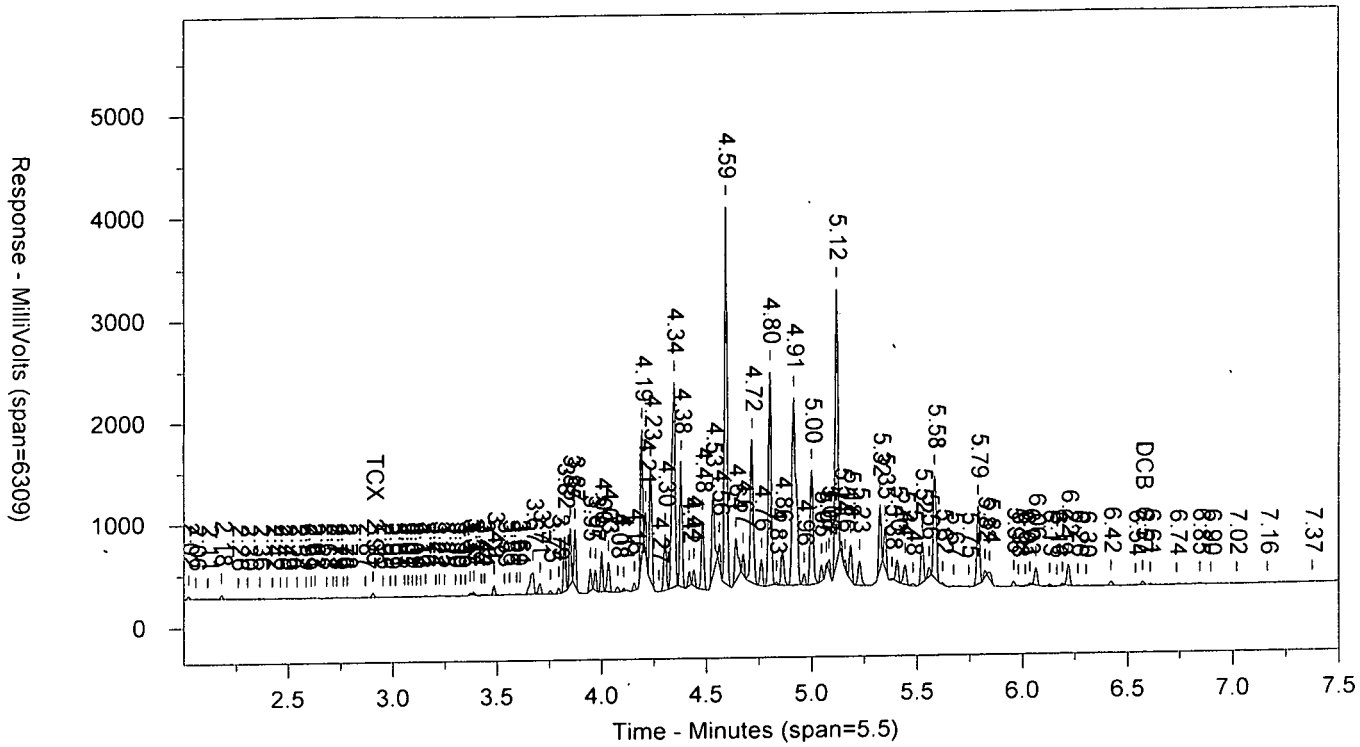

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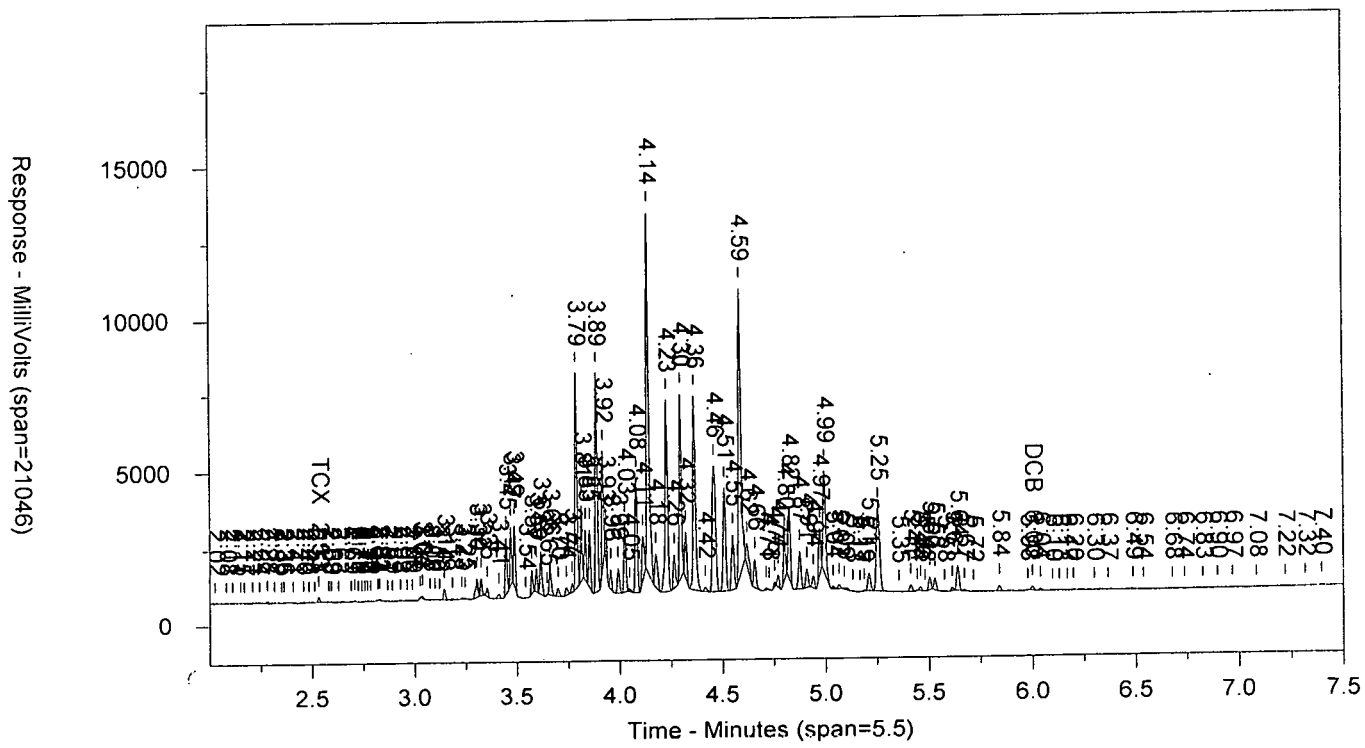

9229382 ACF DF200 AD95A13 T 172760009A 10225 SW-846 8082

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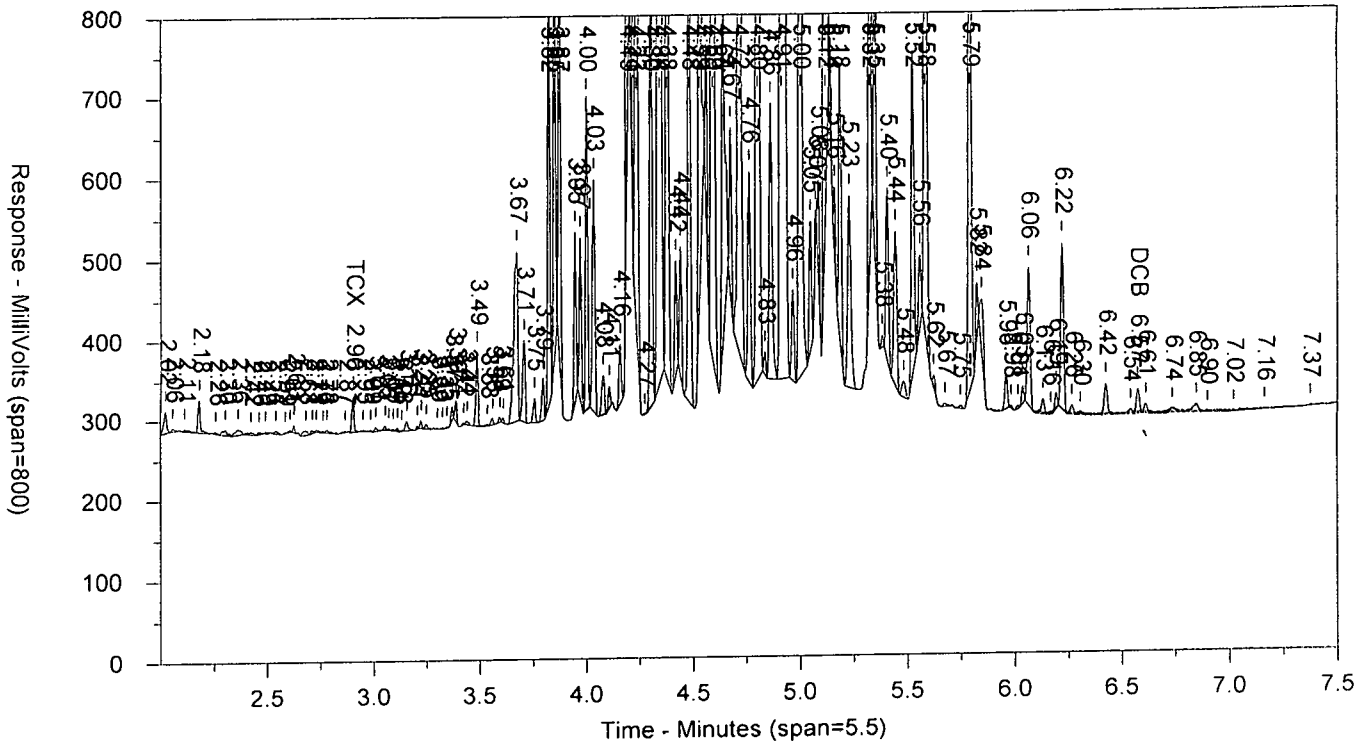

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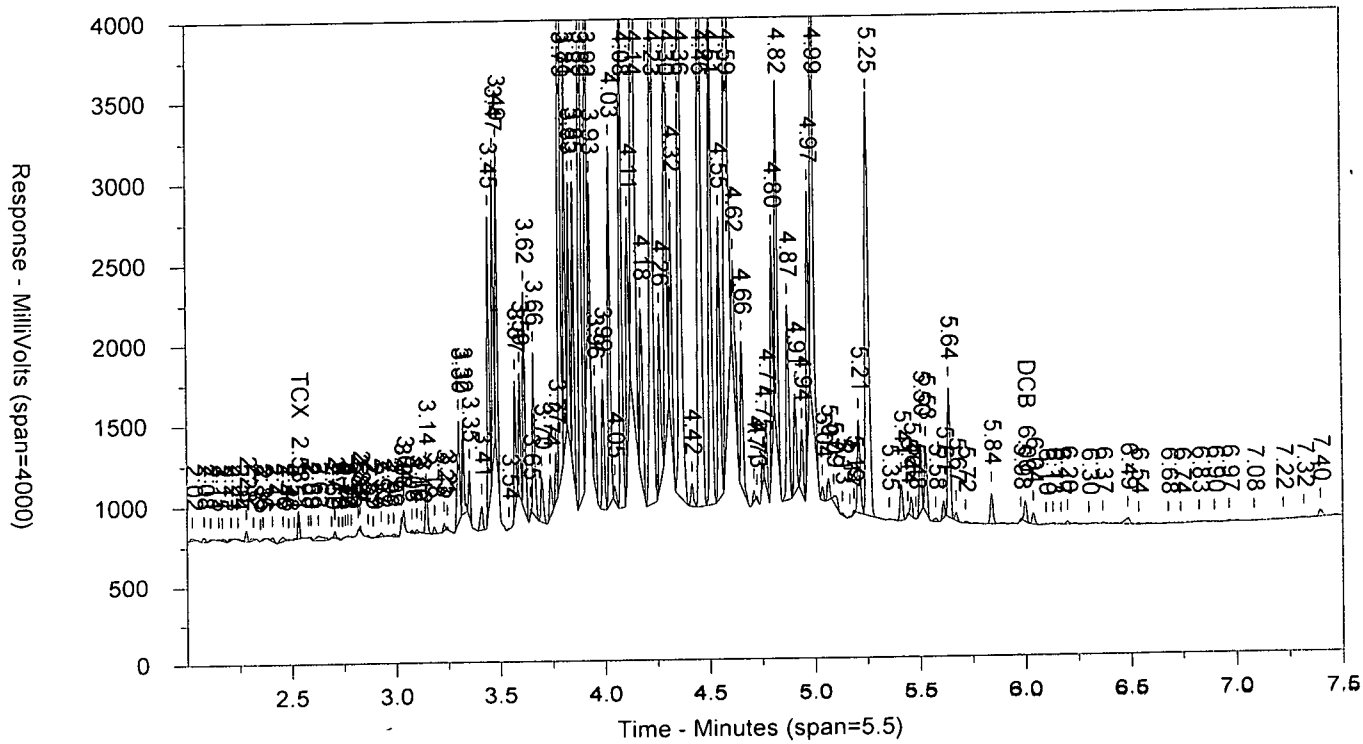

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Data Summary

Sample Name: 9229383 ACF DF5000 95A14 Sample ID: AD **Batchnumber:** 172760009A
Sample Amount: 10.19 g Total Volume: 50000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 15:04:43
Instrument	17342A
Result file	20PCBS17275004.085.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) * 1025% (61 - 152) Conc: 307.2696
%SSR(DCB) * 280% (48 - 164) Conc: 74.49158

Analysis Report (B)

Injected on	Oct 05, 2017 15:04:43
Instrument	17342B
Result file	20PCBS17275004B.085.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) * 203% (61 - 152) Conc: 60.84709
%SSR(DCB) * 1491% (48 - 164) Conc: 396.9893

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	11950	307.2696	Tetrachloro-m-xylene	2.50	2.53	2.56	8341	60.84709
Decachlorobiphenyl	6.55	6.57	6.61	1945	74.49158	Decachlorobiphenyl	5.97	5.98	6.03	38074	396.9893

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	60.84709			P	133.88	
☑	Tetrachloro-m-xylene-D1	A	307.2696					
☑	Tetrachloro-m-xylene-D2	B	60.84709					
☐	Decachlorobiphenyl	A	74.49158			P	136.80	
☑	Decachlorobiphenyl-D1	A	74.49158					
☑	Decachlorobiphenyl-D2	B	396.9893					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**58.10**	
4.52	4.53	4.56	186987.6	235702.908973			1
4.58	4.59	4.62	3153534	1975167.093993			2
4.70	4.72	4.74	1052174	2020544.428806			3
4.79	4.80	4.83	2082843	2350062.966578			4
4.98	5.00	5.02	399554.4	632585.899421			5
5.10	5.12	5.14	1657347	1495197.291914			6

Height summation: **8532440**
Concentration CF: **1451543.431614** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**48.77**	
4.06	4.08	4.10	1265679	383163.952018			1
4.12	4.14	4.16	11228760	2129236.971978			2
4.21	4.23	4.25	4397940	1553275.624004			3
4.34	4.36	4.38	5021064	2644135.00188			4
4.44	4.46	4.47	2125628	1145430.161411			5
4.57	4.58	4.61	6175584	1942832.776143			6

Height summation: **30214655**
Concentration CF: **1633012.414572** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<250245.3457	<48577.0377	D1		4	
☑	PCB-1221			<250245.3457	<75073.6037	D1		3	
☑	PCB-1232			<250245.3457	<60353.2893	D1		4	
☑	PCB-1242			<250245.3457	<60353.2893	D1		4	
☑	PCB-1248			<250245.3457	<48577.0377	D1		4	
☑	PCB-1254	B	1633012.414572	250245.3457	64769.3836	D2	11.77	4	
☑	PCB-1260			<250245.3457	<57409.2264	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:46

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229383** ACF DF5000 95A14 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.19 g Total Volume: 50000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 15:04:43
Instrument : CP20--17342A
Result file : 20PCBS17275004.085.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : *1025% (61-152) Conc.: 307.2696
%SSR(DCB) : *280% (48-164) Conc.: 74.49158

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	137.29	
3.14	3.16	3.18	33676.85	55158.902281			1
+ 3.36	3.37	3.40	83903.85	128412.63384			2
3.36	3.39	3.40	126495.8	193598.492175			2
3.47	3.49	3.51	240830.2	315177.522091			3
3.68	3.71	3.72	297685.5	335814.391724			4
3.74	3.76	3.78	108565.6	144190.122037			5
+ 3.93	3.95	3.97	711967.8	1201815.132719			6
3.93	3.97	3.97	1041241	1757634.531515			6
Height Summation:			**1848494.95**				
Amount Avg CF:			**466928.993637**	Linear:			
Aroclor-1221					3	63.17	
3.04	3.06	3.08	29065.13	98923.84193			1
3.09	3.11	3.13	8482.071	32447.143537			2
3.14	3.16	3.18	33676.85	40707.956776			3
Height Summation:			**71224.051**				
Amount Avg CF:			**57359.647414**	Linear:			
Aroclor-1232					6	126.21	
3.14	3.16	3.18	33676.85	47227.071127			1
+ 3.36	3.37	3.40	83903.85	294663.149554			2
3.36	3.39	3.40	126495.8	444242.437425			2
3.47	3.49	3.51	240830.2	703730.381487			3
3.68	3.71	3.72	297685.5	729279.412768			4
3.74	3.76	3.78	108565.6	332365.85103			5
E+ 3.93	3.95	3.97	711967.8	2179638.704645			6
E 3.93	3.97	3.97	1041241	3187685.15158			6
Height Summation:			**1848494.95**				
Amount Avg CF:			**907421.717569**	Linear:			
Aroclor-1242					6	111.58	
3.14	3.16	3.18	33676.85	39350.136581			1
+ 3.35	3.37	3.39	83903.85	93300.640525			2
3.35	3.39	3.39	126495.8	140662.665225			2
3.47	3.49	3.51	240830.2	225978.408825			3
3.68	3.71	3.72	297685.5	238525.203989			4
3.74	3.76	3.78	108565.6	100256.061977			5
3.93	3.95	3.97	711967.8	852961.885305			6
Height Summation:			**1519221.75**				
Amount Avg CF:			**266289.060317**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 15:04:43
Instrument : CP20--17342B
Result file : 20PCBS17275004B.085.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : *203% (61-152) Conc.: 60.84709
%SSR(DCB) : *1491% (48-164) Conc.: 396.9893

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	137.83	
2.80	2.82	2.84	129754.8	54413.855269			1
3.13	3.14	3.17	848368.4	279517.1072			2
3.32	3.32	3.36	1856163	693751.937478			3
+ 3.32	3.35	3.36	806307.5	301362.213517			3
3.39	3.41	3.43	466170.9	154129.98802			4
3.45	3.47	3.49	7919366	3453183.279119			5
+ 3.45	3.49	3.49	6360720	2773546.764622			5
3.55	3.57	3.59	2535917	944793.499173			6
Height Summation:			**13755740.1**				
Amount Avg CF:			**929964.944377**	Linear:			
Aroclor-1221					3	54.35	
2.69	2.71	2.73	122653.8	89394.977516			1
2.75	2.77	2.79	28690.05	33743.14288			2
2.80	2.82	2.84	129754.8	42292.991796			3
Height Summation:			**281098.65**				
Amount Avg CF:			**55143.704064**	Linear:			
Aroclor-1232					6	144.33	
2.80	2.82	2.84	129754.8	49013.374246			1
3.13	3.14	3.17	848368.4	592390.311732			2
E 3.32	3.32	3.36	1856163	1475168.36232			3
+ 3.32	3.35	3.36	806307.5	640805.421885			3
3.39	3.41	3.43	466170.9	346742.989331			4
E 3.45	3.47	3.49	7919366	8474366.317768			5
E+ 3.45	3.49	3.49	6360720	6806488.211904			5
E 3.55	3.57	3.59	2535917	2279698.492978			6
Height Summation:			**13755740.1**				
Amount Avg CF:			**2202896.641396**	Linear:			
Aroclor-1242					6	137.92	
2.80	2.82	2.84	129754.8	41319.194253			1
3.13	3.14	3.17	848368.4	218273.852606			2
3.32	3.32	3.36	1856163	520552.424879			3
+ 3.32	3.35	3.36	806307.5	226125.251028			3
3.39	3.41	3.43	466170.9	117073.064078			4
E 3.45	3.47	3.49	7919366	2640070.967695			5
E+ 3.45	3.49	3.49	6360720	2120466.740095			5
3.55	3.57	3.59	2535917	725899.435268			6
Height Summation:			**13755740.1**				
Amount Avg CF:			**710531.489796**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229383** ACF DF5000 95A14 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.19 g Total Volume: 50000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 15:04:43
Instrument : CP20--17342A
Result file : 20PCBS17275004.085.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**93.27**	
3.68	3.71	3.72	297685.5	752622.233283			1
3.74	3.76	3.78	108565.6	243541.224637			2
+ 3.81	3.82	3.85	1202962	1540842.128615			3
3.81	3.85	3.85	2627126	3365016.033739			3
+ 3.93	3.95	3.97	711967.8	806156.462407			4
3.93	3.97	3.97	1041241	1178990.343486			4
4.02	4.03	4.06	538352.2	777971.847616			5
+ 4.20	4.21	4.24	767855.7	1158598.728167			6
4.20	4.23	4.24	2843832	4290988.708322			6
Height Summation:			**7456802.3**				
Amount Avg CF:			**1768188.398514**	Linear:			
Aroclor-1254					**6**	**58.10**	
4.52	4.53	4.56	186987.6	235702.908973			1
+ 4.52	4.55	4.56	142534.1	179668.074235			1
4.58	4.59	4.62	3153534	1,975,167.093993			2
4.70	4.72	4.74	1052174	2,020,544.428806			3
4.79	4.80	4.83	2082843	2,350,062.966578			4
4.98	5.00	5.02	399554.4	632,585.899421			5
5.10	5.12	5.14	1657347	1,495,197.291914			6
+ 5.10	5.14	5.14	58416.82	52701.498881			6
Height Summation:			**8532440**				
Amount Avg CF:			**1451543.431614**	Linear:			
Aroclor-1260					**6**	**66.86**	
4.70	4.72	4.74	1052174	837870.56919			1
4.90	4.91	4.94	1414149	1016741.439701			2
5.11	5.12	5.15	1657347	986590.329188			3
+ 5.11	5.14	5.15	58416.82	34774.534044			3
5.33	5.35	5.37	209413.4	232420.33558			4
5.57	5.58	5.61	441000.1	208774.138383			5
5.78	5.79	5.82	360857.7	263533.805049			6
Height Summation:			**5134941.2**				
Amount Avg CF:			**590988.436182**	Linear:			
Aroclor-1262					**5**	**42.31**	
5.17	5.18	5.21	144991.6	95665.619398			1
5.33	5.35	5.37	209413.4	165364.917882			2
5.57	5.58	5.61	441000.1	165764.146442			3
5.78	5.79	5.82	360857.7	195340.646357			4
6.20	6.22	6.24	57863.6	56635.036737			6
Height Summation:			**1214126.4**				
Amount Avg CF:			**135754.073363**	Linear:			
Aroclor-1268					**4**	**94.35**	
5.77	5.79	5.81	360857.7	106662.557978			1
+ 6.03	6.03	6.07	11781.11	17726.592832			4
6.03	6.06	6.07	137064.3	206235.493763			4
6.20	6.22	6.24	57863.6	54961.182737			5
6.40	6.42	6.44	15743.29	1677.243039			6
Height Summation:			**571528.89**				
Amount Avg CF:			**92384.119379**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 15:04:43
Instrument : CP20--17342B
Result file : 20PCBS17275004B.085.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**62.46**	
3.32	3.32	3.36	1856163	1609879.6158			1
+ 3.32	3.35	3.36	806307.5	699323.285895			1
3.39	3.41	3.43	466170.9	254135.726842			2
3.43	3.45	3.47	3815400	1223017.7729			3
3.55	3.57	3.59	2535917	684773.512672			4
3.64	3.66	3.68	1811963	707554.190024			5
3.77	3.79	3.81	8142783	2121697.887778			6
Height Summation:			**18628396.9**				
Amount Avg CF:			**1100176.451003**	Linear:			
Aroclor-1254					**6**	**48.77**	
4.06	4.08	4.10	1265679	383163.952018			1
+ 4.12	4.12	4.16	498240.9	94478.192181			2
4.12	4.14	4.16	11228760	2129236.971978			2
4.21	4.23	4.25	4397940	1553275.624004			3
4.34	4.36	4.38	5021064	2644135.001879			4
4.44	4.46	4.47	2125628	1145430.161411			5
4.57	4.58	4.61	6175584	1942832.776143			6
Height Summation:			**30214655**				
Amount Avg CF:			**1633012.414572**	Linear:			
Aroclor-1260					**6**	**84.64**	
4.34	4.36	4.38	5021064	1023704.917662			1
4.44	4.46	4.48	2125628	524106.363189			2
4.57	4.58	4.61	6175584	1535231.407697			3
4.78	4.80	4.82	627004.8	173622.899464			4
4.98	4.99	5.01	1414196	218363.129019			5
5.24	5.25	5.28	1493611	339263.605776			6
Height Summation:			**16857087.8**				
Amount Avg CF:			**635715.387135**	Linear:			
Aroclor-1262					**6**	**61.85**	
4.60	4.62	4.64	355371.4	71687.201546			1
4.78	4.80	4.82	627004.8	119892.610945			2
4.98	4.99	5.01	1414196	178215.863576			3
5.19	5.21	5.23	208283.6	55413.50537			4
5.24	5.25	5.28	1493611	256773.487557			5
5.62	5.64	5.66	244618	74732.16818			6
Height Summation:			**4343084.8**				
Amount Avg CF:			**126119.139529**	Linear:			
Aroclor-1268					**5**	**114.37**	
5.19	5.21	5.23	208283.6	20670.166936			1
5.24	5.25	5.28	1493611	158143.967303			2
5.39	5.41	5.43	193307.8	20090.971908			3
5.62	5.64	5.66	244618	77118.055072			5
5.82	5.84	5.86	80125.48	2695.319528			6
Height Summation:			**2219945.88**				
Amount Avg CF:			**55743.696149**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229383** ACF DF5000 95A14 ID: AD **Batchnumber: 172760009A**
Sample Amount: 10.19 g Total Volume: 50000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 15:04:43
Instrument : CP20--17342A
Result file : 20PCBS17275004.085.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 15:04:43
Instrument : CP20--17342B
Result file : 20PCBS17275004B.085.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50245.345	48577.0377		** 66.30	4	40	
Aroclor-1221			50245.345	75073.6037		3.94	3	5	
Aroclor-1232			50245.345	60353.2893	E	** 83.30	4	40	
Aroclor-1242			50245.345	60353.2893		** 90.96	4	30	
Aroclor-1248			50245.345	48577.0377		** 46.58	4	40	
Aroclor-1254			50245.345	64769.3836		11.77	4	40	
Aroclor-1260			50245.345	57409.2264		7.29	4	40	
Aroclor-1262			50245.345	48577.0377		7.36	4	40	
Aroclor-1268			50245.345	48577.0377		** 49.47	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229383 ACF DF5000 AD95A14 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 3:04:43 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.085.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.023		6253	6704
2.06		3746	7095
2.18		7256	6695
2.304		6197	4948
2.475		694	1072
2.547		1458	2137
2.627		1843	1228
2.732		905	872
2.903	TCX	11950	11838
3.056		29065	24748
3.11		8482	7053
3.156		33677	24343
3.249		19764	15372
3.289		3021	3209
3.37		83904	47658
3.387		126496	75774
3.424		15996	9174
3.44		8822	8127
3.485		240830	170251
3.52		3514	1865
3.536		2479	1038
3.559		19561	14175
3.593		31636	17143
3.608		23577	12005
3.663		62631	42703
3.67		210377	115337
3.706		297686	264841
3.755		108566	77061
3.794		257204	182668
3.822		1202962	832439
3.849		2627126	1755865
3.871		2006491	1315876
3.945		711968	486116
3.969		1041241	718605
3.999		1069054	790807
4.033		538352	458960
4.076		112916	105662
4.106		45474	29738
4.122		19111	9874
4.157		183692	148396
4.191		1135883	748342
4.209		767856	404160
4.232		2843832	2278698
4.302		767568	605502
4.34		1708628	1947777
4.378		1715815	1383634
4.418		292139	210785
4.44		220584	158642
4.481		443163	376084
4.53		186988	130668
4.547		142534	168363
4.591		3153534	2717181
4.639		241347	172105
4.654		50298	26121

RT A	Compound A	Height A	Area A
4.674		27720	13906
4.696		24783	16137
4.716		1052174	898226
4.761		384537	347385
4.802		2082843	1900154
4.832		6784	3656
4.861		303631	282417
4.912		1414149	1730134
4.963		54192	44529
5		399554	411202
5.046		112068	86386
5.084		180058	211001
5.117		1657347	1525483
5.14		58417	28045
5.16		49149	32517
5.184		144992	113859
5.227		104272	110577
5.299		4811	3329
5.324		299895	237642
5.347		209413	152939
5.381		17016	12134
5.404		100647	78611
5.441		139374	136024
5.48		11081	11292
5.523		292277	275078
5.559		84693	72904
5.584		441000	378633
5.623		13133	10918
5.675		3041	5653
5.747		3255	3482
5.79		360858	335945
5.819		67009	100861
5.956		37738	41421
6.01		7739	5827
6.034		11781	8273
6.06		137064	128924
6.128		22644	22080
6.165		1222	1091
6.19		24401	20941
6.217		57864	51083
6.264		3609	2845
6.421		15743	18421
6.491		1079	1304
6.538		7969	7920
6.574	DCB	1945	1774
6.608		18107	20576
6.732		2014	1892
6.844		10814	19191
7.015		825	482
7.107		525	1901
7.236		703	324
7.58		1072	5852
7.945		286	11083
8.083		1066	3281
8.368		3940	16619
8.52		8801	20424

LANCASTER LABORATORIES

Sample Number: 9229383 ACF DF5000 AD95A14 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 3:04:43 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.085.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.08		8062	7227
2.127		3941	11761
2.156		3157	2937
2.228		5816	6218
2.283		8717	6452
2.334		4572	7444
2.457		3731	9193
2.532	TCX	8341	9076
2.578		33301	37150
2.627		5241	7246
2.708		122654	95029
2.745		5314	3402
2.769		28690	22311
2.819		129755	99020
2.869		4336	4850
2.928		78235	64797
3.026		151395	78054
3.036		346505	173721
3.076		83521	49963
3.098		53238	34262
3.122		22313	11579
3.145		848368	580114
3.184		85278	55056
3.23		152586	76186
3.245		112118	55444
3.304		1877939	1562085
3.324		1856163	1172783
3.354		806308	457279
3.411		466171	334471
3.448		3815401	2473379
3.47		7919366	4313152
3.488		6360721	3498281
3.573		2535917	1496598
3.595		3445385	2030210
3.616		3676676	2387124
3.661		1811963	1333797
3.699		557583	467877
3.746		394127	426586
3.767		799179	445386
3.789		8142783	5215617
3.813		7310218	4298135
3.832		2640451	1441358
3.852		2589201	1560372
3.887		5954602	4154919
3.917		5602978	3471433
3.932		956778	408461
3.955		1350732	868839
3.992		1245161	948579
4.025		1700100	1156448
4.047		132269	92408
4.08		1265679	925711
4.12		498241	500421
4.139		11228760	8334933
4.176		930849	706294

RT B	Compound B	Height B	Area B
4.228		4397940	3920954
4.264		1626231	1277467
4.296		6378193	4456666
4.32		1380597	983964
4.363		5021065	4391339
4.428		8795	4086
4.456		2125628	2425151
4.508		1461176	1266842
4.549		1338333	1179958
4.584		6175584	5546115
4.618		355371	353612
4.655		434262	335650
4.711		31660	19668
4.751		54666	32404
4.77		405344	292103
4.801		627005	433590
4.823		1355124	1018900
4.873		802534	684759
4.908		360972	301787
4.939		244548	186540
4.97		1419055	1054118
4.993		1414196	1214879
5.035		42762	29805
5.065		62476	50564
5.089		7473	2729
5.102		44541	31364
5.209		208284	235271
5.251		1493611	1602952
5.351		8564	6428
5.375		5507	3211
5.409		193308	165219
5.439		30257	17843
5.456		80483	52643
5.502		529857	439995
5.526		158641	118619
5.574		21020	23773
5.611		149634	111085
5.637		244618	201425
5.669		16799	15645
5.714		12793	10429
5.837		80125	70873
5.924		2653	3282
5.976	DCB	38074	28643
6.035		101219	89804
6.128		11096	10176
6.167		3600	2857
6.277		2571	2574
6.324		5276	5643
6.366		7672	13443
6.486		37866	57346
6.822		3560	9180
6.965		2423	2874
6.997		2470	2858
7.098		2260	5015
7.208		1718	1352
7.278		1724	1098
7.4		3187	1989
7.471		4223	6735
7.59		1735	3284
7.689		3037	5631
7.832		19141	39444
8.015		11547	21359
8.11		2096	2630
8.218		2982	5489
8.348		3684	4976
8.406		2357	1241

RT B	Compound B	Height B	Area B
8.557		2371	3066

9229383 ACF DF5000 AD95A14 T 172760009A 10225 SW-846 8082

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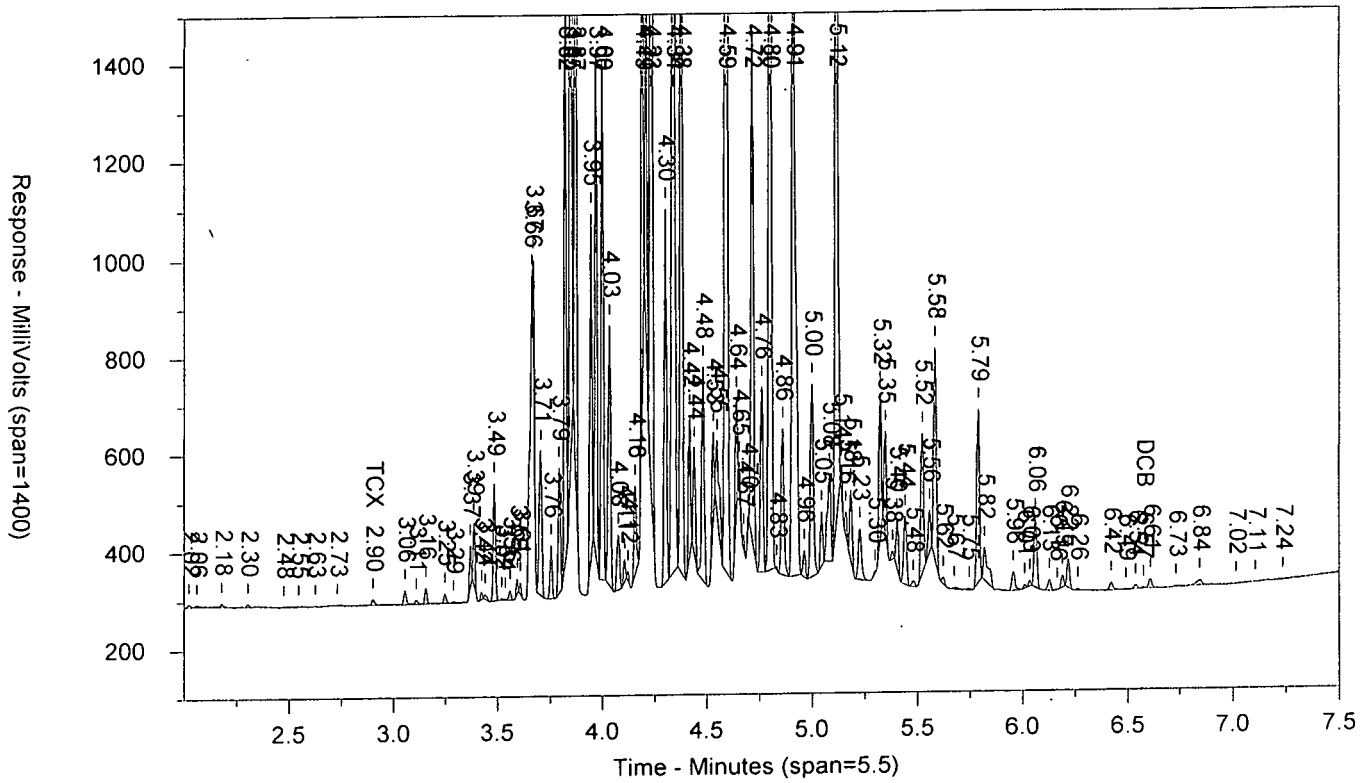

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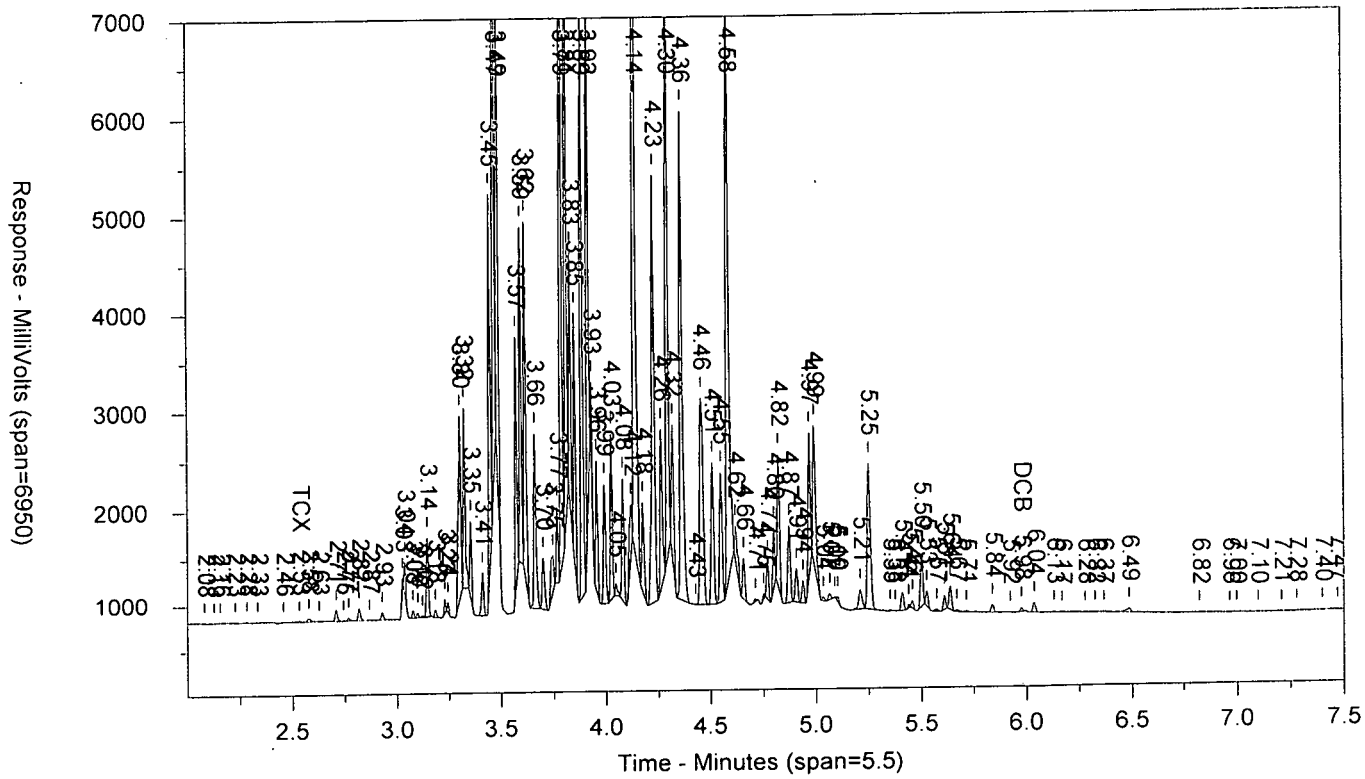


LANCASTER LABORATORIES

Sample Number: 9229383 ACF DF5000 AD95A14 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 3:04:43 PM Sample Weight: 10.19
Instrument ID: CP20-17342' Dilution Factor: 50000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

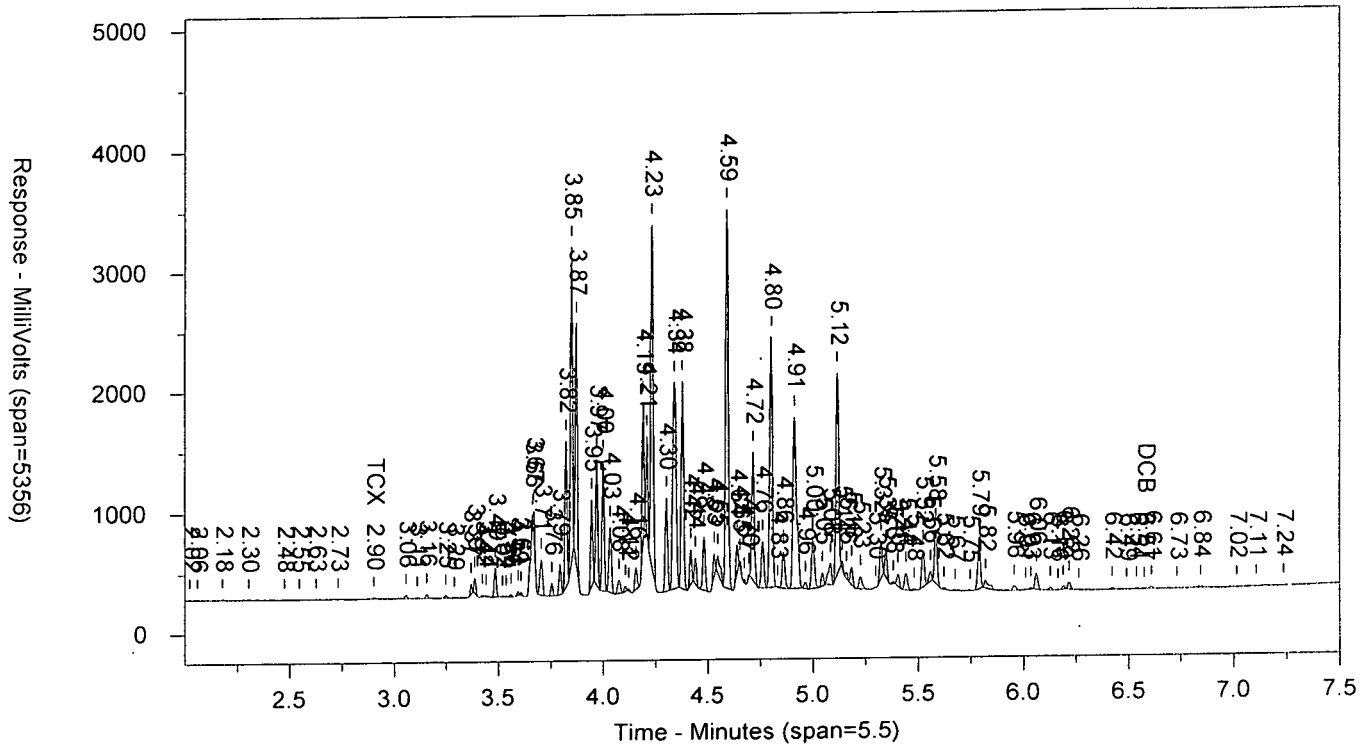
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	11950	307.27	TCX	2.532	8341	60.847	TCX
6.574	1945	74.492	DCB	5.976	38074	396.989	DCB

Files:
Area File: 20PCBs17275004.085.RAW
Area File: 20PCBs17275004B.085.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 3:13:24 PM
File Reported On: 10/5/2017 at 3:13:36 PM

9229383 ACF DF5000 AD95A14 T 172760009A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275004.085.RAW



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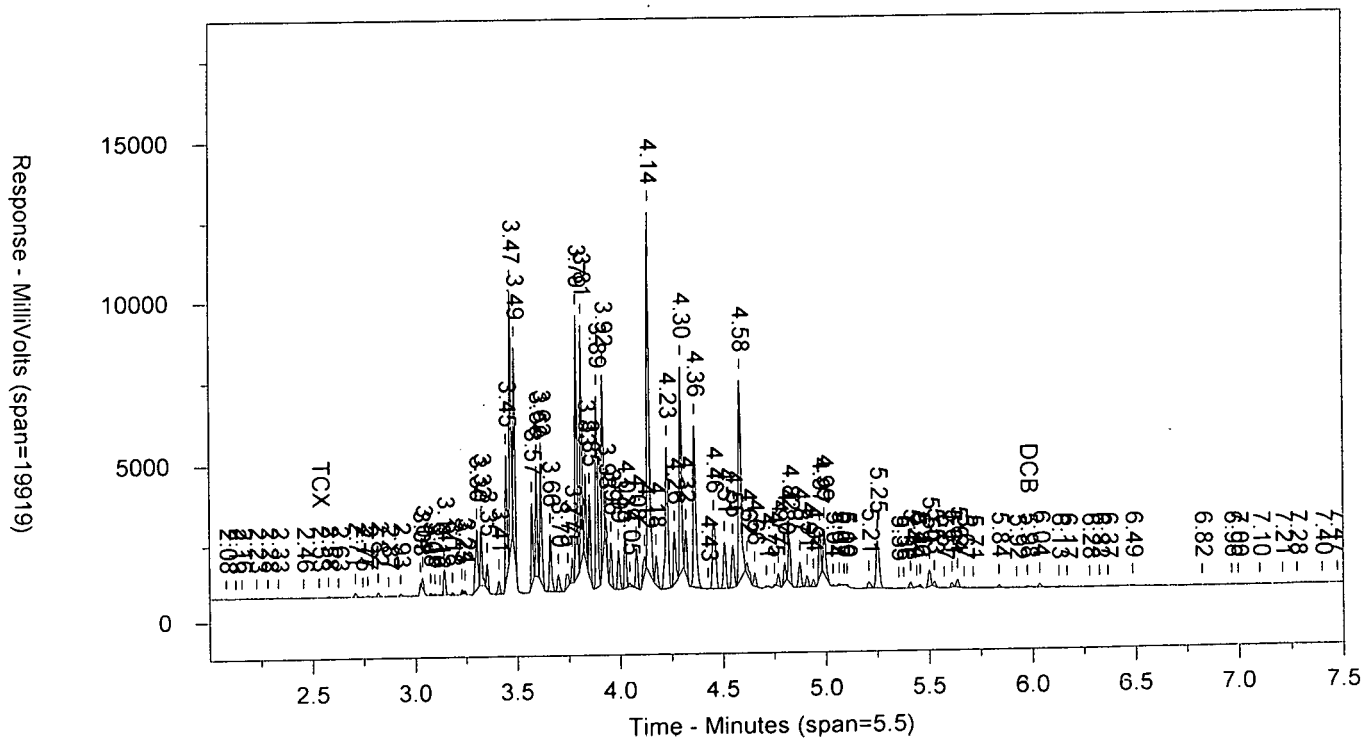

9229383 ACF DF5000 AD95A14 T 172760009A 10225 SW-846 8082

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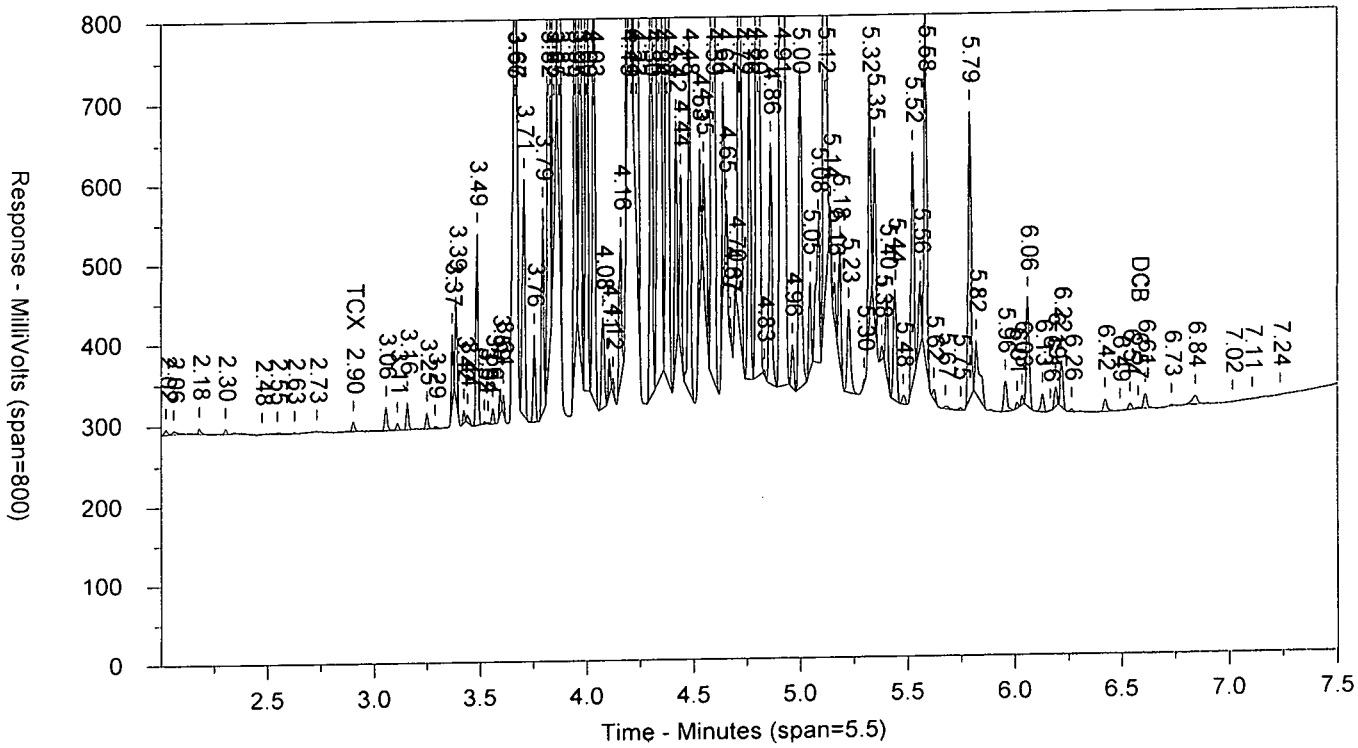

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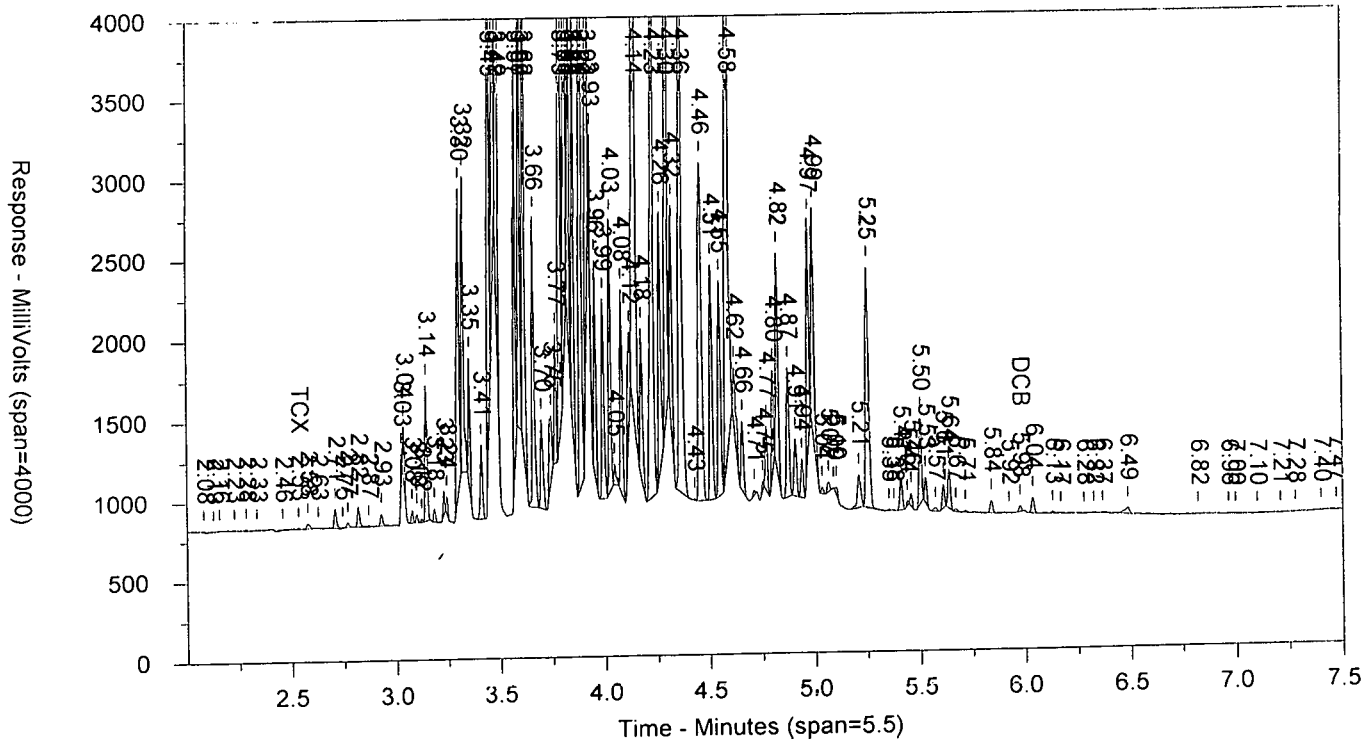

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Data Summary

Sample Name: 9229384 ACF DF50 95A15 Sample ID: AC **Batchnumber:** 172760009A
Sample Amount: 10.09 g Total Volume: 500 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 15:16:02
Instrument	17342A
Result file	20PCBS17275004.086.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 102% (61 - 152) Conc: 30.9353
%SSR(DCB) 115% (48 - 164) Conc: 30.8173

Analysis Report (B)

Injected on	Oct 05, 2017 15:16:02
Instrument	17342B
Result file	20PCBS17275004B.086.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 110% (61 - 152) Conc: 33.39093
%SSR(DCB) 142% (48 - 164) Conc: 38.13464

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	119134	30.9353
Decachlorobiphenyl	6.55	6.57	6.61	79688	30.8173

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	453215	33.39093
Decachlorobiphenyl	5.97	6.00	6.03	362148	38.13464

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	33.39093				7.63	
☑	Tetrachloro-m-xylene-D1	A	30.9353					
☑	Tetrachloro-m-xylene-D2	B	33.39093					
☐	Decachlorobiphenyl	B	38.13464				21.22	
☑	Decachlorobiphenyl-D1	A	30.8173					
☑	Decachlorobiphenyl-D2	B	38.13464					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**36.64**	
4.52	4.53	4.56	377597.2	4806.887057			1
4.58	4.59	4.62	2351394	14873.553756			2
4.70	4.71	4.74	1006027	19510.728828			3
4.79	4.80	4.83	1596710	18194.160716			4
4.98	5.00	5.02	901230.8	14409.955273			5
5.10	5.12	5.14	2152639	19612.785442			6

Height summation: **8385598**
Concentration CF: **15234.678512** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**40.50**	
4.06	4.08	4.10	2076334	6348.064093			1
4.12	4.14	4.16	8051406	15418.671078			2
4.21	4.23	4.25	4398256	15687.825442			3
4.34	4.36	4.38	4895953	26038.030174			4
4.44	4.46	4.47	3172626	17265.66258			5
4.57	4.58	4.61	7656172	24324.957351			6

Height summation: **30250747**
Concentration CF: **17513.868453** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2527.2548	<490.5848	D1		4	
☑	PCB-1221			<2527.2548	<758.1764	D1		3	
☑	PCB-1232			<2527.2548	<609.5144	D1		4	
☑	PCB-1242			<2527.2548	<609.5144	D1		4	
☑	PCB-1248			<2527.2548	<490.5848	D1		4	
☑	PCB-1254	B	17513.868453	2527.2548	654.113	D2	13.92	4	
☑	PCB-1260			<2527.2548	<579.782	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:48

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229384** ACF DF50 95A15 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.09 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 15:16:02
Instrument : CP20--17342A
Result file : 20PCBS17275004.086.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 30.9353
%SSR(DCB) : 115% (48-164) Conc.: 30.8173

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	129.61	
3.14	3.16	3.18	6671.076	110.347642			1
+ 3.36	3.37	3.40	6998.647	108.17402			2
3.36	3.39	3.40	7783.549	120.305795			2
3.47	3.49	3.51	23071.19	304.927999			3
3.68	3.70	3.72	33773.69	384.771728			4
3.74	3.75	3.78	14026.74	188.140822			5
3.93	3.94	3.97	97751.14	1666.411157			6
+ 3.93	3.97	3.97	67431.73	1149.54145			6
Height Summation:			**183077.385**				
Amount Avg CF:			**462.48419**	Linear:			
Aroclor-1221					3	14.99	
3.04	3.06	3.08	2718.735	93.449848			1
3.09	3.10	3.13	1787.748	69.065933			2
3.14	3.16	3.18	6671.076	81.437934			3
Height Summation:			**11177.559**				
Amount Avg CF:			**81.317905**	Linear:			
Aroclor-1232					6	121.07	
3.14	3.16	3.18	6671.076	94.479689			1
+ 3.36	3.37	3.40	6998.647	248.222442			2
3.36	3.39	3.40	7783.549	276.060722			2
3.47	3.49	3.51	23071.19	680.845181			3
3.68	3.70	3.72	33773.69	835.598792			4
3.74	3.75	3.78	14026.74	433.674537			5
3.93	3.94	3.97	97751.14	3022.240406			6
+ 3.93	3.97	3.97	67431.73	2084.833988			6
Height Summation:			**183077.385**				
Amount Avg CF:			**890.483221**	Linear:			
Aroclor-1242					6	129.43	
3.14	3.16	3.18	6671.076	78.721559			1
+ 3.35	3.37	3.39	6998.647	78.595891			2
3.35	3.39	3.39	7783.549	87.410462			2
3.47	3.49	3.51	23071.19	218.629627			3
3.68	3.70	3.72	33773.69	273.299052			4
3.74	3.75	3.78	14026.74	130.815188			5
3.93	3.94	3.97	97751.14	1182.698706			6
+ 3.93	3.97	3.97	67431.73	815.861787			6
Height Summation:			**183077.385**				
Amount Avg CF:			**328.595766**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 15:16:02
Instrument : CP20--17342B
Result file : 20PCBS17275004B.086.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 110% (61-152) Conc.: 33.39093
%SSR(DCB) : 142% (48-164) Conc.: 38.13464

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	132.56	
2.80	2.82	2.84	7924.098	33.559766			1
3.13	3.14	3.17	94381.81	314.047419			2
3.32	3.32	3.36	102263.2	386.002835			3
+ 3.32	3.34	3.36	55453.69	209.315585			3
+ 3.32	3.35	3.36	41420.95	156.347583			3
3.39	3.41	3.43	68313.7	228.103953			4
3.45	3.47	3.49	749513.1	3300.589093			5
+ 3.45	3.49	3.49	604843.4	2663.515193			5
3.55	3.57	3.59	370085.5	1392.473532			6
+ 3.55	3.59	3.59	261851.7	985.23601			6
Height Summation:			**1392481.408**				
Amount Avg CF:			**942.462766**	Linear:			
Aroclor-1221					3	77.18	
2.69	2.71	2.73	29131.99	214.42987			1
2.75	2.75	2.79	10586.5	125.744687			2
+ 2.75	2.77	2.79	4764.211	56.588506			2
2.80	2.82	2.84	7924.098	26.084219			3
Height Summation:			**47642.588**				
Amount Avg CF:			**122.086259**	Linear:			
Aroclor-1232					6	137.74	
2.80	2.82	2.84	7924.098	30.229017			1
3.13	3.14	3.17	94381.81	665.571601			2
3.32	3.32	3.36	102263.2	820.782096			3
+ 3.32	3.34	3.36	55453.69	445.080888			3
+ 3.32	3.35	3.36	41420.95	332.451695			3
3.39	3.41	3.43	68313.7	513.16066			4
3.45	3.47	3.49	749513.1	8099.888938			5
+ 3.45	3.49	3.49	604843.4	6536.462624			5
3.55	3.57	3.59	370085.5	3359.908609			6
+ 3.55	3.59	3.59	261851.7	2377.282496			6
Height Summation:			**1392481.408**				
Amount Avg CF:			**2248.25682**	Linear:			
Aroclor-1242					6	132.52	
2.80	2.82	2.84	7924.098	25.483629			1
3.13	3.14	3.17	94381.81	245.238443			2
3.32	3.32	3.36	102263.2	289.634811			3
+ 3.32	3.34	3.36	55453.69	157.058639			3
+ 3.32	3.35	3.36	41420.95	117.31443			3
3.39	3.41	3.43	68313.7	173.261732			4
3.45	3.47	3.49	749513.1	2523.407748			5
+ 3.45	3.49	3.49	604843.4	2036.344024			5
3.55	3.57	3.59	370085.5	1069.858917			6
Height Summation:			**1392481.408**				
Amount Avg CF:			**721.147547**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229384** ACF DF50 95A15 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.09 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 15:16:02
Instrument : CP20--17342A
Result file : 20PCBS17275004.086.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**122.64**	
3.68	3.70	3.72	33773.69	862.344689			1
3.74	3.75	3.78	14026.74	317.775209			2
3.81	3.82	3.85	222485	2877.994696			3
+ 3.81	3.85	3.85	188406.2	2437.162255			3
3.93	3.94	3.97	97751.14	1117.799307			4
+ 3.93	3.97	3.97	67431.73	771.092195			4
4.02	4.03	4.06	121182.2	1768.557726			5
+ 4.20	4.21	4.24	181871.8	2771.416624			6
4.20	4.23	4.24	601011.8	9158.396706			6
Height Summation:			**1090230.57**				
Amount Avg CF:			**2683.811389**	Linear:			
Aroclor-1254					**6**	**36.64**	
4.52	4.53	4.56	377597.2	4806.887057			1
+ 4.52	4.55	4.56	21352.16	271.817221			1
4.58	4.59	4.62	2351394	14873.553756			2
4.70	4.71	4.74	1006027	19510.728828			3
4.79	4.80	4.83	1596710	18194.160716			4
4.98	5.00	5.02	901230.8	14409.955273			5
5.10	5.12	5.14	2152639	19612.785442			6
+ 5.10	5.14	5.14	103769	945.44377			6
Height Summation:			**8385598**				
Amount Avg CF:			**15234.678512**	Linear:			
Aroclor-1260					**6**	**48.02**	
4.70	4.71	4.74	1006027	8090.624109			1
4.90	4.91	4.94	1372131	9963.087579			2
5.11	5.12	5.15	2152639	12941.291795			3
+ 5.11	5.14	5.15	103769	623.841205			3
5.33	5.35	5.37	355547.7	3985.203906			4
5.57	5.58	5.61	916355.5	4381.118708			5
5.78	5.79	5.82	700699.8	5167.915063			6
Height Summation:			**6503400**				
Amount Avg CF:			**7421.540193**	Linear:			
Aroclor-1262					**6**	**48.19**	
5.17	5.18	5.21	275517.1	1835.881399			1
5.33	5.35	5.37	355547.7	2835.435699			2
5.57	5.58	5.61	916355.5	3478.555384			3
5.78	5.79	5.82	700699.8	3830.642784			4
5.83	5.84	5.87	60816.46	680.229152			5
6.20	6.22	6.24	196442.7	1941.773854			6
Height Summation:			**2505379.26**				
Amount Avg CF:			**2433.753045**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 15:16:02
Instrument : CP20--17342B
Result file : 20PCBS17275004B.086.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	121.49	
3.32	3.32	3.36	102263.2	895.735293			1
+ 3.32	3.34	3.36	55453.69	485.725337			1
+ 3.32	3.35	3.36	41420.95	362.810931			1
3.39	3.41	3.43	68313.7	376.106976			2
3.43	3.45	3.47	861341.3	2788.373728			3
3.55	3.57	3.59	370085.5	1009.245928			4
+ 3.55	3.59	3.59	261851.7	714.085696			4
+ 3.64	3.64	3.68	39212.72	154.639475			5
3.64	3.66	3.68	429107	1692.228476			5
3.77	3.79	3.81	3342127	8794.6113			6
Height Summation:			**5173237.7**				
Amount Avg CF:			**2592.71695**	Linear:			
Aroclor-1254					6	40.50	
4.06	4.08	4.10	2076334	6348.064093			1
4.12	4.14	4.16	8051406	15418.671078			2
4.21	4.23	4.25	4398256	15687.825442			3
4.34	4.36	4.38	4895953	26038.030174			4
4.44	4.46	4.47	3172626	17265.66258			5
4.57	4.58	4.61	7656172	24324.957351			6
Height Summation:			**30250747**				
Amount Avg CF:			**17513.868453**	Linear:			
Aroclor-1260					6	61.51	
4.34	4.36	4.38	4895953	10080.89962			1
4.44	4.46	4.48	3172626	7900.126893			2
4.57	4.58	4.61	7656172	19221.643249			3
+ 4.78	4.80	4.82	1131909	3165.415101			4
4.78	4.82	4.82	1832704	5125.207872			4
4.98	4.99	5.01	3084474	4809.875509			5
5.24	5.25	5.28	2612064	5991.928213			6
Height Summation:			**23253993**				
Amount Avg CF:			**8854.946893**	Linear:			
Aroclor-1262					6	49.73	
4.60	4.62	4.64	661485.1	1347.603834			1
4.78	4.80	4.82	1131909	2185.828496			2
4.98	4.99	5.01	3084474	3925.553372			3
5.19	5.21	5.23	527303.1	1416.784806			4
5.24	5.25	5.28	2612064	4535.023145			5
5.62	5.64	5.66	796468.7	2457.371983			6
Height Summation:			**8813703.9**				
Amount Avg CF:			**2644.694273**	Linear:			
Aroclor-1268					5	108.04	
5.19	5.21	5.23	527303.1	528.484496			1
5.24	5.25	5.28	2612064	2793.070884			2
5.39	5.41	5.43	205991	216.213512			3
5.62	5.64	5.66	796468.7	2535.825637			5
5.82	5.84	5.86	183308.6	62.273815			6
Height Summation:			**4325135.4**				
Amount Avg CF:			**1227.173669**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229384** ACF DF50 95A15 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.09 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 15:16:02
Instrument : CP20--17342A
Result file : 20PCBS17275004.086.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**84.42**	
5.77	5.79	5.81	700699.8	2091.659702			1
5.83	5.84	5.87	60816.46	214.099121			2
+ 6.03	6.03	6.07	22128.35	336.256825			4
6.03	6.06	6.07	165239.6	2510.939283			4
6.20	6.22	6.24	196442.7	1884.38454			5
6.40	6.42	6.44	38890.78	41.843709			6

Height Summation: **1162089.34**
Amount Avg CF: **1348.585271** Linear:

Analysis Report (B)

Injected on : Oct 05, 2017 15:16:02
Instrument : CP20--17342B
Result file : 20PCBS17275004B.086.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2527.2546	490.5847		** 68.33	4	40	
Aroclor-1221			2527.2546	758.1764		** 40.09	3	5	
Aroclor-1232			2527.2546	609.5143		** 86.52	4	40	
Aroclor-1242			2527.2546	609.5143		** 74.79	4	30	
Aroclor-1248			2527.2546	490.5847		3.45	4	40	
Aroclor-1254			2527.2546	654.1129		13.92	4	40	
Aroclor-1260			2527.2546	579.7819		17.61	4	40	
Aroclor-1262			2527.2546	490.5847		8.31	4	40	
Aroclor-1268			2527.2546	490.5847		9.43	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229384 ACF DF50 AC95A15 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 3:16:02 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.086.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.024		4401	5379
2.062		3689	5168
2.114		8090	5601
2.18		10334	9663
2.306		4112	3000
2.371		2130	1512
2.467		1742	1924
2.492		1860	1285
2.585		951	846
2.628		4171	2789
2.678		2146	2531
2.716		1194	969
2.76		1312	909
2.904	TCX	119134	85559
3.012		4021	2834
3.056		2719	2944
3.101		1788	2442
3.156		6671	6484
3.204		3330	2352
3.223		3793	1974
3.248		2496	2517
3.283		1519	1671
3.371		6999	4002
3.387		7784	5102
3.425		883	556
3.442		2558	2792
3.485		23071	16422
3.537		1904	1183
3.56		6412	4876
3.592		2472	1256
3.607		2746	1739
3.662		51272	67328
3.701		33774	31904
3.754		14027	9884
3.793		12255	8925
3.822		222485	163401
3.848		188406	123169
3.871		148638	96845
3.944		97751	66378
3.968		67432	45547
3.998		196664	142379
4.032		121182	105765
4.075		22039	19649
4.105		14475	9334
4.121		4602	2252
4.155		39784	28724
4.19		575320	382103
4.208		181872	99522
4.233		601012	494014
4.301		369303	295911
4.342		1175092	1231761
4.377		733955	596460
4.417		103972	73129
4.438		99905	69613

RT A	Compound A	Height A	Area A
4.48		376704	325657
4.53		377597	284824
4.546		21352	6454
4.56		136406	82068
4.591		2351394	2008868
4.639		278939	327370
4.674		128329	81384
4.715		1006027	967816
4.76		210841	182376
4.8		1596710	1478196
4.831		17748	11164
4.86		270091	260672
4.912		1372131	1878681
4.962		82554	66428
4.998		901231	943866
5.045		136113	101183
5.07		35951	25180
5.083		93840	60671
5.116		2152639	1947639
5.139		103769	48697
5.158		57853	33278
5.183		275517	237181
5.225		204590	214715
5.323		493883	388806
5.345		355548	260160
5.38		16248	10723
5.402		170385	146905
5.441		162414	149177
5.467		11217	20317
5.523		372837	342834
5.558		63370	61178
5.583		916356	825790
5.618		11980	9623
5.669		9157	8461
5.703		2704	1810
5.727		2253	1289
5.746		3922	2957
5.788		700700	636420
5.819		62854	46231
5.843		60816	59325
5.955		37183	33863
6.009		4740	3046
6.032		22128	15170
6.06		165240	150530
6.126		17288	19933
6.162		1439	834
6.188		19422	13888
6.216		196443	182137
6.262		11666	11086
6.419		38891	42272
6.535		6373	5425
6.568	DCB	79688	79037
6.605		12662	12198
6.692		736	519
6.727		1622	1112
6.843		9975	18838
7.159		1323	2760
7.28		1074	1524
7.572		984	6462
7.732		561	3581
7.903		6704	15772
8.013		1079	1477
8.069		1105	1007
8.367		3960	23740
8.518		7799	18898
8.61		1163	480

RT A	Compound A	Height A	Area A
8.677		13755	35406

LANCASTER LABORATORIES

Sample Number: 9229384 ACF DF50 AC95A15 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 3:16:02 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.086.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.037		14123	14778
2.077		16654	16995
2.118		6380	12912
2.152		4228	2822
2.17		5838	4323
2.223		4060	4338
2.282		23064	17962
2.368		7498	41670
2.457		12781	24353
2.533	TCX	453215	297700
2.637		4993	5472
2.706		29132	29705
2.751		10587	9656
2.769		4764	4685
2.819		7924	4431
2.866		6243	4463
2.908		3022	2791
2.929		4381	5081
2.983		8659	20284
3.026		16527	9941
3.037		22322	10398
3.075		4451	2333
3.099		14082	9703
3.121		4458	2413
3.145		94382	70873
3.184		31667	21556
3.23		14795	7218
3.246		20017	16604
3.304		194223	158331
3.323		102263	50432
3.338		55454	24417
3.352		41421	20630
3.41		68314	59781
3.447		861341	540487
3.469		749513	413573
3.487		604843	328510
3.571		370086	211481
3.594		261852	151932
3.615		751120	504043
3.644		39213	17836
3.66		429107	285950
3.697		155932	127406
3.737		150287	111914
3.766		262452	147584
3.787		3342127	2179736
3.812		1462125	869605
3.83		886750	481601
3.851		1337983	843803
3.886		4219858	2939413
3.916		2500869	1559778
3.931		451951	205194
3.954		474496	290025
3.991		523481	387650
4.024		1359780	956831

RT B	Compound B	Height B	Area B
4.045		65386	50630
4.079		2076334	1561230
4.112		858126	714527
4.138		8051407	6234333
4.175		812394	728805
4.227		4398256	3766649
4.263		897192	678796
4.295		4979411	3464319
4.319		1215169	846415
4.361		4895953	4246828
4.413		70824	70701
4.458		3172627	3584919
4.507		2863484	2414997
4.547		1443291	1306152
4.584		7656172	6721674
4.616		661485	610423
4.654		793387	639699
4.709		97933	117779
4.751		125278	81361
4.768		375131	255676
4.8		1131909	827318
4.822		1832704	1398508
4.873		1113920	995310
4.906		524994	420803
4.938		347643	278842
4.97		1407143	1011294
4.992		3084475	2571543
5.034		76066	50763
5.062		121414	102162
5.098		55988	67451
5.13		45178	31078
5.163		24872	18461
5.185		12325	5895
5.208		527303	487904
5.251		2612065	2872135
5.35		7480	5563
5.408		205991	174837
5.438		17243	10536
5.456		115639	84469
5.501		405953	313442
5.526		363248	293577
5.563		21913	29595
5.61		101170	77215
5.637		796469	655455
5.669		50817	37954
5.714		16378	13192
5.838		183309	162221
5.892		6482	12070
5.975		10963	5855
5.997	DCB	362148	311795
6.034		77983	63453
6.129		8804	7167
6.169		4806	5485
6.194		8937	7527
6.236		4565	4268
6.276		3217	2180
6.327		5848	7989
6.363		10551	17573
6.483		37116	63291
6.683		4717	9612
6.9		3700	3476
6.968		2182	3429
7.148		2108	2077
7.226		1360	1264
7.308		3430	4589
7.392		26247	31741

RT B	Compound B	Height B	Area B
7.585		2607	4596
7.697		2148	4563
7.739		2326	1768
7.781		1236	1242
7.831		17394	29649
7.91		10167	17574
8.009		13643	27914
8.096		2712	3381
8.204		26700	48193
8.346		4757	7651
8.412		1526	1164
8.588		2054	12631

9229384 ACF DF50 AC95A15 T 172760009A 10225 SW-846 8082

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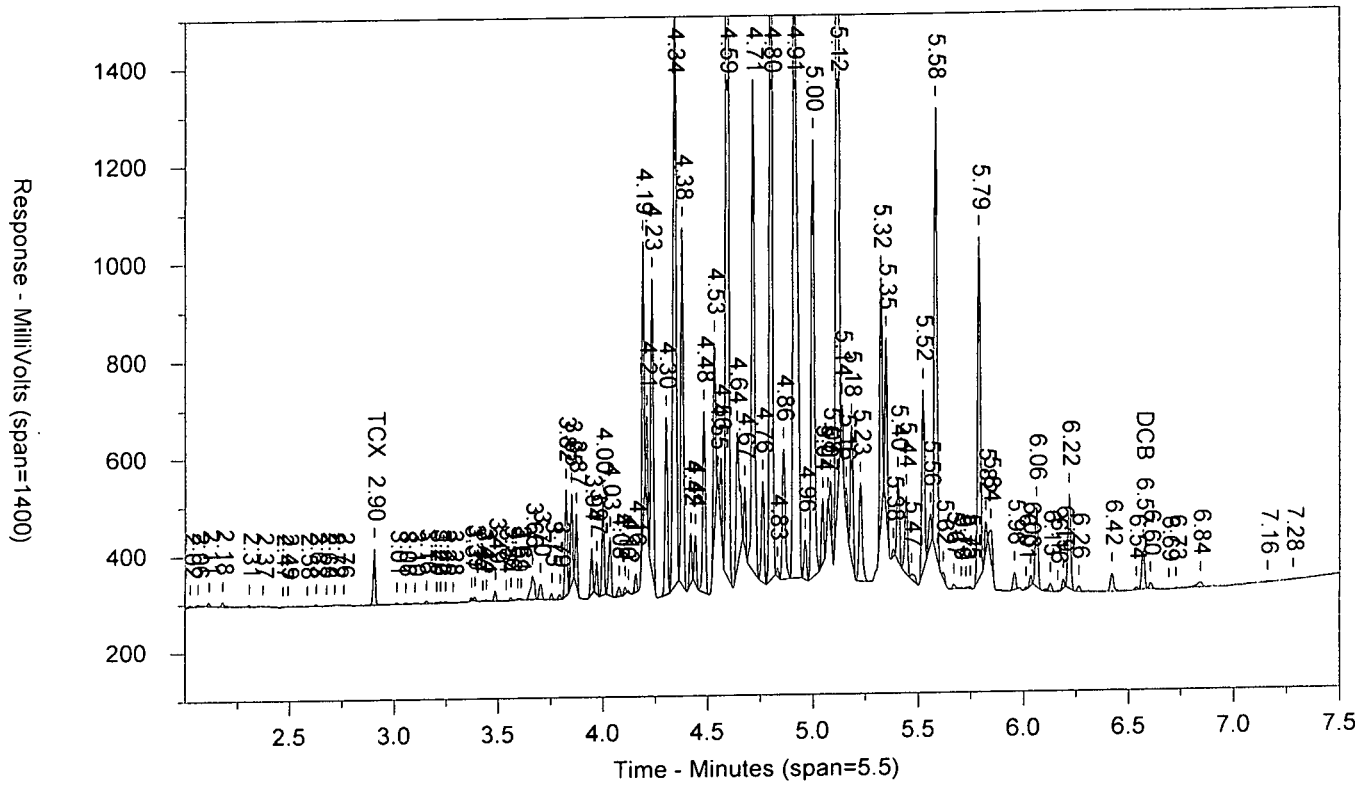

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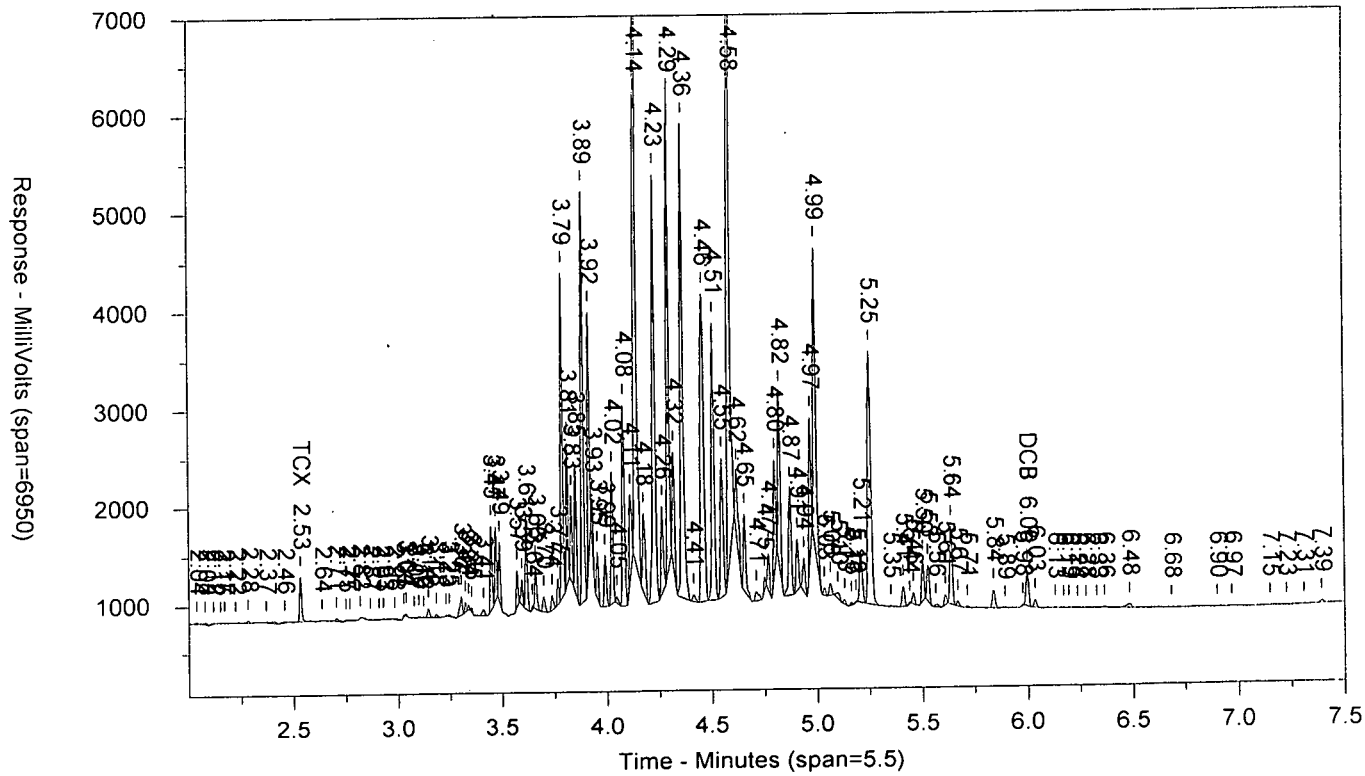

LANCASTER LABORATORIES

Sample Number: 9229384 ACF DF50 AC95A15 T 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 3:16:02 PM Sample Weight: 10.09
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	119134	30.935	TCX	2.533	453215	33.391	TCX
6.568	79688	30.817	DCB	5.997	362148	38.135	DCB

Files:
Area File: 20PCBs17275004.086.RAW
Area File: 20PCBs17275004B.086.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 3:24:45 PM
File Reported On: 10/5/2017 at 3:24:58 PM

9229384 ACF DF50 AC95A15 T 172760009A 10225 SW-846 8082

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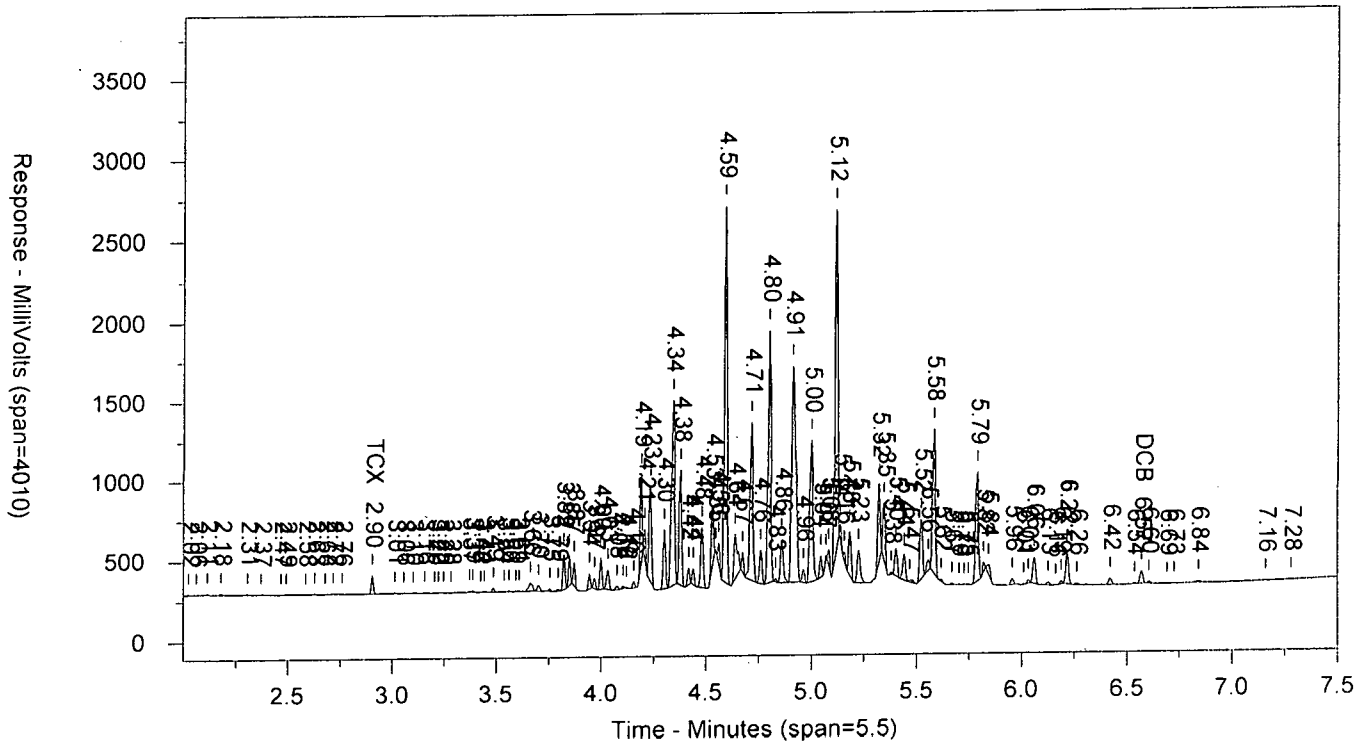

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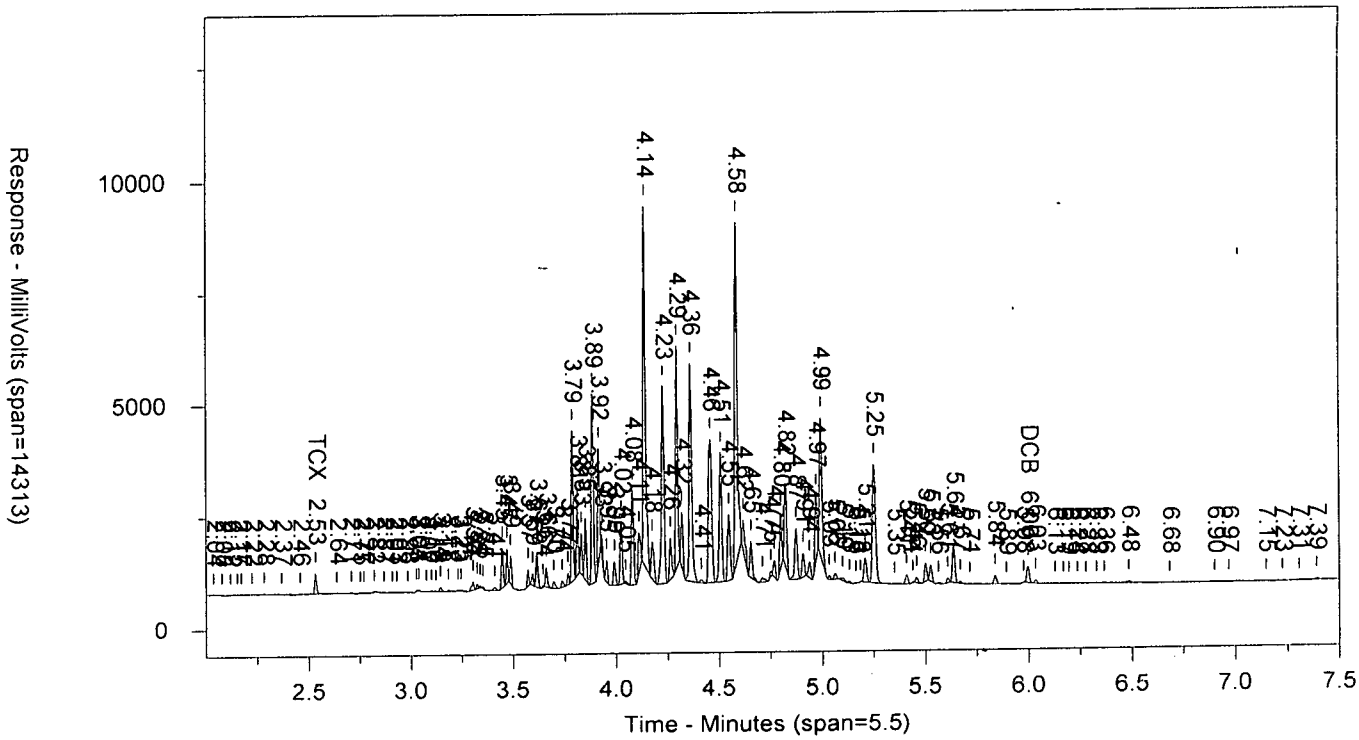

9229384 ACF DF50 AC95A15 T 172760009A 10225 SW-846 8082

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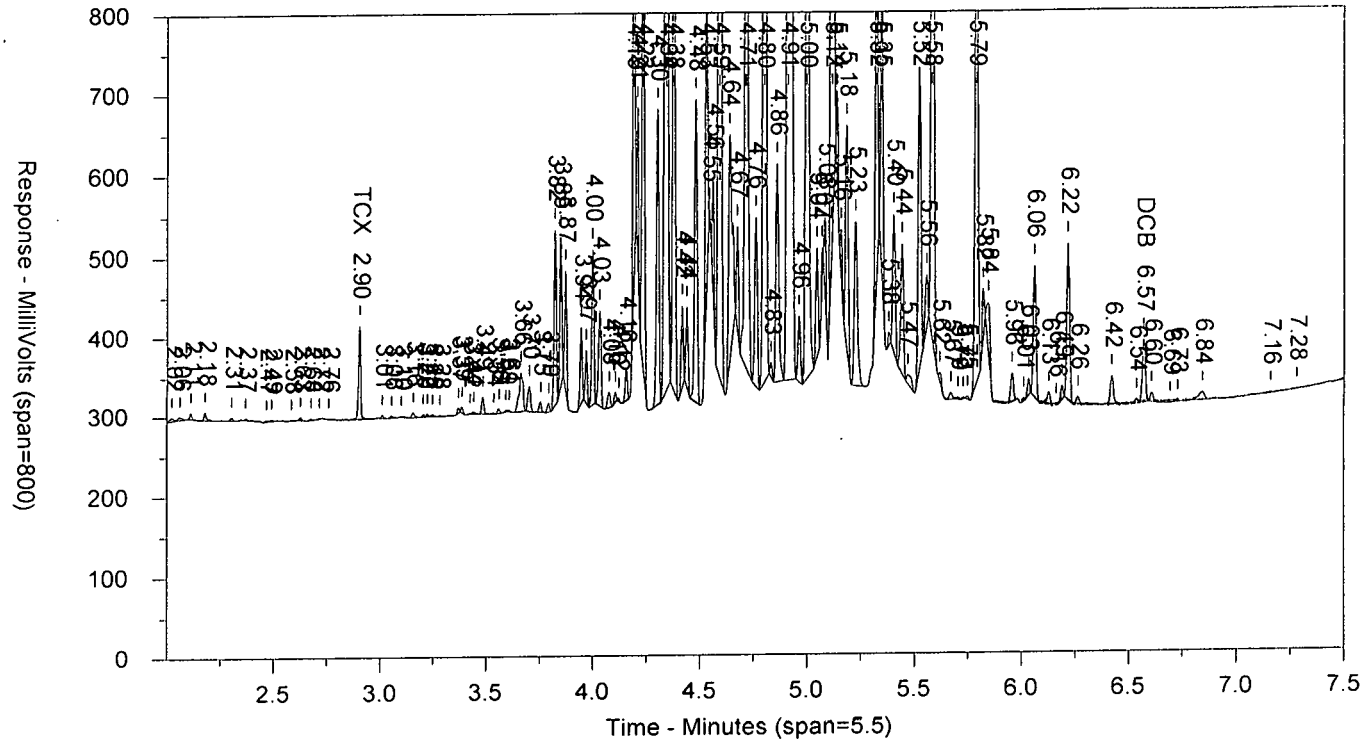

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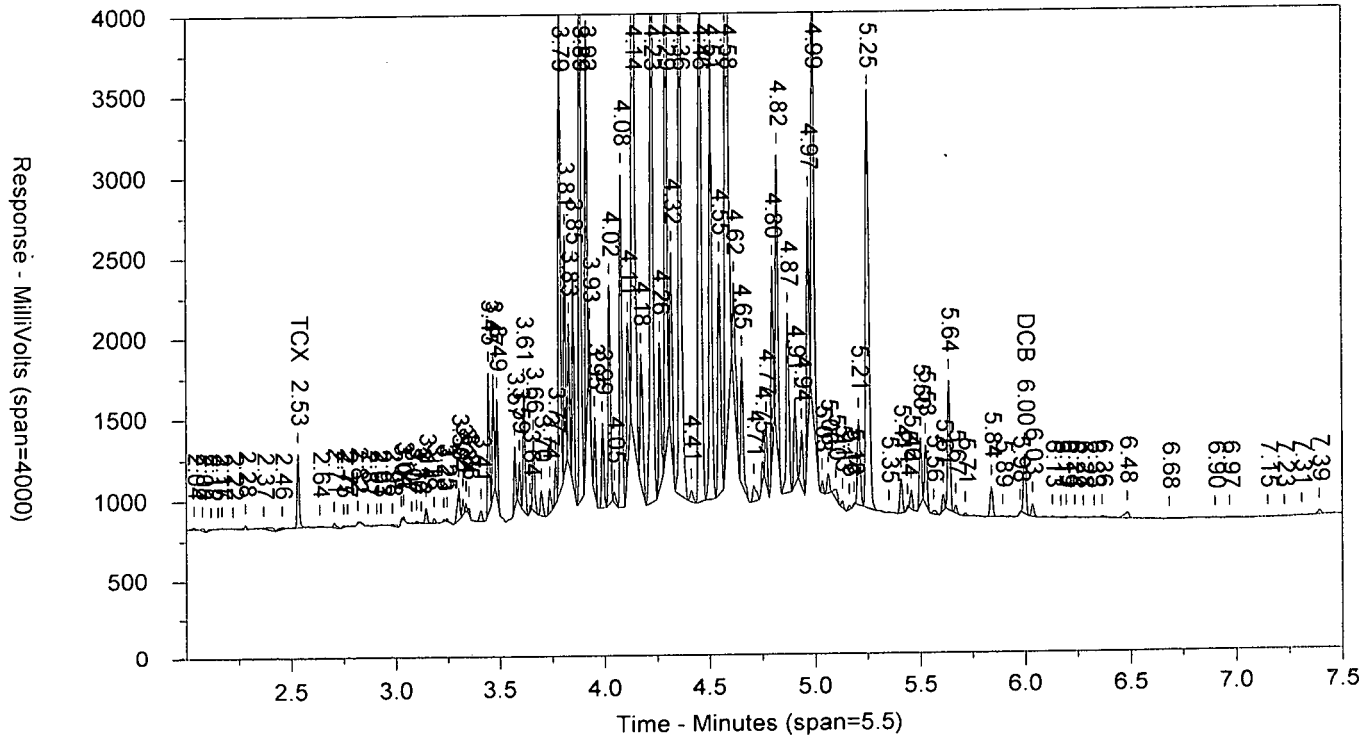

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Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229385 RI ACF DF500 95A16 Sample ID: AD **Batchnumber: 172780031A**

Sample Amount: 10.23 g Total Volume: 5000 ml Analyst: 2855 SDG: ATG95 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 06:09:50
Instrument	18274A
Result file	25PCBS17284001.048.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 184% (61 - 152) Conc: 54.96946

%SSR(DCB) 149% (48 - 164) Conc: 39.43124

Analysis Report (B)

Injected on	Oct 12, 2017 06:09:50
Instrument	18274B
Result file	25PCBS17284001B.048.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 117% (61 - 152) Conc: 34.83276

%SSR(DCB) 122% (48 - 164) Conc: 32.35681

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	16968	54.96946
Decachlorobiphenyl	6.57	6.60	6.63	7777	39.43124

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	19416	34.83276
Decachlorobiphenyl	6.07	6.10	6.13	20042	32.35681

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	34.83276			P	44.85	
☑	Tetrachloro-m-xylene-D1	A	54.96946					
☑	Tetrachloro-m-xylene-D2	B	34.83276					
☐	Decachlorobiphenyl	A	39.43124				19.71	
☑	Decachlorobiphenyl-D1	A	39.43124					
☑	Decachlorobiphenyl-D2	B	32.35681					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**36.30**	
4.55	4.56	4.59	645493.8	103898.731637			1
4.61	4.62	4.65	3508397	288389.539537			2
4.73	4.75	4.77	1244119	318287.242285			3
4.82	4.83	4.86	2391145	287748.285825			4
5.02	5.03	5.06	1008941	166669.749471			5
5.13	5.15	5.17	2681485	315824.132696			6

Height summation: **11479580.8**

Concentration CF: **246802.946909** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**26.84**	
4.22	4.23	4.26	8216017	311435.169385			1
4.31	4.32	4.35	3661299	286286.385631			2
4.38	4.39	4.42	4444478	284784.495618			3
4.44	4.46	4.48	4192737	420718.851271			4
4.59	4.61	4.63	1939525	171010.48152			5
4.67	4.69	4.71	5305577	308200.036326			6

Height summation: **27759633**

Concentration CF: **297072.569959** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<24926.6858	<4838.7096	D1		4	
✓	PCB-1221			<24926.6858	<7478.0057	D1		3	
✓	PCB-1232			<24926.6858	<6011.7301	D1		4	
✓	PCB-1242			<24926.6858	<6011.7301	D1		4	
✓	PCB-1248			<24926.6858	<4838.7096	D1		4	
✓	PCB-1254	B	297072.569959	24926.6858	6451.6128	D2	18.49	4	
✓	PCB-1260			<24926.6858	<5718.475	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:42

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229385** RI ACF DF500 95A16 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.23 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:09:50
Instrument : CP25--18274A
Result file : 25PCBS17284001.048.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *184% (61-152) Conc.: 54.96946
%SSR(DCB) : 149% (48-164) Conc.: 39.43124

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**87.21**	
3.16	3.18	3.20	30893.21	5720.899321			1
+ 3.38	3.39	3.42	44993.2	9007.930028			2
3.38	3.41	3.42	124155.4	24856.715144			2
3.49	3.51	3.53	410707.8	64187.731125			3
3.71	3.73	3.75	443477.5	60718.249918			4
3.76	3.78	3.80	98274.51	15562.621159			5
3.96	3.97	4.00	232137.1	54622.596665			6
Height Summation:			**1339645.52**				
Amount Avg CF:			**37611.468889**	Linear:			
Aroclor-1221					**3**	**87.58**	
3.06	3.08	3.10	37141.93	16114.498081			1
3.11	3.13	3.15	6330.275	3119.682584			2
3.16	3.18	3.20	30893.21	4899.105668			3
Height Summation:			**74365.415**				
Amount Avg CF:			**8044.428778**	Linear:			
Aroclor-1232					**6**	**68.56**	
3.16	3.18	3.20	30893.21	5594.820122			1
+ 3.38	3.39	3.42	44993.2	21862.426799			2
3.38	3.41	3.42	124155.4	60327.746064			2
E 3.49	3.51	3.53	410707.8	147781.623004			3
E 3.70	3.73	3.74	443477.5	131255.864045			4
3.76	3.78	3.80	98274.51	39404.72011			5
E 3.95	3.97	3.99	232137.1	136725.502375			6
Height Summation:			**1339645.52**				
Amount Avg CF:			**86848.379287**	Linear:			
Aroclor-1242					**6**	**65.78**	
3.16	3.18	3.20	30893.21	4142.344103			1
+ 3.37	3.39	3.41	44993.2	7124.13364			2
3.37	3.41	3.41	124155.4	19658.518658			2
3.49	3.51	3.53	410707.8	48484.609549			3
3.70	3.73	3.74	443477.5	42146.721029			4
3.76	3.78	3.80	98274.51	12172.578367			5
3.95	3.97	3.99	232137.1	42460.132238			6
Height Summation:			**1339645.52**				
Amount Avg CF:			**28177.483991**	Linear:			
Aroclor-1248					**6**	**93.99**	
3.71	3.73	3.75	443477.5	111259.433862			1
3.76	3.78	3.80	98274.51	28488.62234			2
3.83	3.85	3.87	551276.1	105701.631943			3
3.98	4.00	4.02	645342.3	398810.516782			4
4.04	4.06	4.08	508428.8	99531.511319			5
4.22	4.24	4.26	444370.2	90813.846667			6
Height Summation:			**2691169.41**				
Amount Avg CF:			**139100.927152**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:09:50
Instrument : CP25--18274B
Result file : 25PCBS17284001B.048.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 117% (61-152) Conc.: 34.83276
%SSR(DCB) : 122% (48-164) Conc.: 32.35681

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**134.76**	
2.88	2.90	2.92	62694.46	6406.650787			1
3.21	3.22	3.25	731859.4	61763.245843			2
+ 3.21	3.24	3.25	11868.61	1001.618449			2
3.40	3.40	3.44	1413017	121487.437156			3
+ 3.40	3.42	3.44	76846.11	6607.023807			3
+ 3.40	3.43	3.44	737646.7	63420.898057			3
3.47	3.49	3.51	205514.8	16069.153801			4
+ 3.53	3.55	3.57	2876274	270329.441728			5
E 3.53	3.57	3.57	5473135	514397.977749			5
+ 3.64	3.65	3.68	470364.4	43776.736713			6
3.64	3.68	3.68	1341233	124828.33291			6
Height Summation:			**9227453.66**				
Amount Avg CF:			**140825.466374**	Linear:			
Aroclor-1221					**3**	**72.49**	
2.77	2.79	2.81	82334.17	17500.155131			1
2.83	2.85	2.87	15981.92	5620.985354			2
2.88	2.90	2.92	62694.46	5458.305447			3
Height Summation:			**161010.55**				
Amount Avg CF:			**9526.481977**	Linear:			
Aroclor-1232					**6**	**166.45**	
2.88	2.90	2.92	62694.46	6012.349858			1
E 3.21	3.22	3.25	731859.4	139564.763795			2
+ 3.21	3.24	3.25	11868.61	2263.330568			2
E 3.40	3.40	3.44	1413017	273041.219373			3
+ 3.40	3.42	3.44	76846.11	14849.188353			3
E+ 3.40	3.43	3.44	737646.7	142537.530995			3
3.47	3.49	3.51	205514.8	38546.223722			4
E+ 3.53	3.55	3.57	2876274	792075.391885			5
E 3.53	3.57	3.57	5473135	1507205.346211			5
E 3.63	3.65	3.67	470364.4	113098.328928			6
Height Summation:			**8356585.06**				
Amount Avg CF:			**346244.705314**	Linear:			
Aroclor-1242					**6**	**164.36**	
2.88	2.90	2.92	62694.46	4892.850299			1
3.21	3.22	3.25	731859.4	47443.864445			2
+ 3.21	3.24	3.25	11868.61	769.400139			2
3.40	3.40	3.44	1413017	83115.450096			3
+ 3.40	3.42	3.44	76846.11	4520.185547			3
+ 3.40	3.43	3.44	737646.7	43389.313421			3
3.47	3.49	3.51	205514.8	12227.281354			4
E+ 3.53	3.55	3.57	2876274	242463.107008			5
E 3.53	3.57	3.57	5473135	461372.35784			5
3.63	3.65	3.67	470364.4	32865.141643			6
Height Summation:			**8356585.06**				
Amount Avg CF:			**106986.157613**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229385** RI ACF DF500 95A16 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.23 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:09:50
Instrument : CP25--18274A
Result file : 25PCBS17284001.048.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**36.30**	
4.55	4.56	4.59	645493.8	103898.731637			1
4.61	4.62	4.65	3508397	288389.539537			2
4.73	4.75	4.77	1244119	318287.242285			3
4.82	4.83	4.86	2391145	287748.285825			4
5.02	5.03	5.06	1008941	166669.749471			5
5.13	5.15	5.17	2681485	315824.132696			6
+ 5.13	5.17	5.17	78683.66	9267.327125			6
Height Summation:			**11479580.8**				
Amount Avg CF:			**246802.946908**	Linear:			
Aroclor-1260					**6**	**64.63**	
4.73	4.75	4.77	1244119	130160.080555			1
4.93	4.95	4.97	1891386	171166.321792			2
5.13	5.15	5.17	2681485	200134.026206			3
+ 5.13	5.17	5.17	78683.66	5872.595846			3
5.36	5.38	5.40	305809	42924.506235			4
5.60	5.61	5.64	788827.1	44365.773259			5
5.80	5.82	5.84	618369.6	55102.465893			6
Height Summation:			**7529995.7**				
Amount Avg CF:			**107308.862323**	Linear:			
Aroclor-1262					**6**	**56.56**	
5.20	5.22	5.24	230206.6	20635.042159			1
5.36	5.38	5.40	305809	31449.475434			2
5.60	5.61	5.64	788827.1	35846.443273			3
5.80	5.82	5.84	618369.6	42649.278312			4
5.86	5.87	5.90	26068.84	3801.602087			5
6.23	6.24	6.27	136862.7	16497.857701			6
Height Summation:			**2106143.84**				
Amount Avg CF:			**25146.616494**	Linear:			
Aroclor-1268					**6**	**118.49**	
5.80	5.82	5.84	618369.6	24757.926202			1
5.86	5.87	5.90	26068.84	1158.305182			2
5.99	6.01	6.03	3027.008	144.586157			3
+ 6.06	6.06	6.10	24031.98	4122.446933			4
6.06	6.09	6.10	224508.8	38512.249677			4
6.23	6.24	6.27	136862.7	15064.109494			5
6.43	6.45	6.47	37329.66	536.645476			6
Height Summation:			**1046166.608**				
Amount Avg CF:			**13362.303698**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:09:50
Instrument : CP25--18274B
Result file : 25PCBS17284001B.048.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**82.26**	
3.40	3.40	3.44	1413017	240107.37134			1
+ 3.40	3.42	3.44	76846.11	13058.100129			1
+ 3.40	3.43	3.44	737646.7	125344.85439			1
3.47	3.49	3.51	205514.8	29031.026779			2
3.51	3.53	3.55	1152632	99318.596165			3
3.64	3.65	3.68	470364.4	33096.003109			4
+ 3.73	3.73	3.77	106062	10763.978743			5
3.73	3.74	3.77	963941.9	97828.158254			5
3.86	3.87	3.90	4951277	285742.697561			6
Height Summation:			**9156747.1**				
Amount Avg CF:			**130853.975535**	Linear:			
Aroclor-1254					**6**	**26.84**	
4.22	4.23	4.26	8216017	311435.169385			1
4.31	4.32	4.35	3661299	286286.385631			2
4.38	4.39	4.42	4444478	284784.495618			3
4.44	4.46	4.48	4192737	420718.851271			4
4.59	4.61	4.63	1939525	171010.48152			5
4.67	4.69	4.71	5305577	308200.036326			6
Height Summation:			**27759633**				
Amount Avg CF:			**297072.569959**	Linear:			
Aroclor-1260					**6**	**63.20**	
4.31	4.32	4.35	3661299	163674.309802			1
4.44	4.46	4.48	4192737	174731.214074			2
4.55	4.56	4.59	2356920	118305.782171			3
4.89	4.91	4.93	545057.9	35235.337481			4
5.09	5.10	5.13	1568998	44787.913206			5
5.34	5.36	5.38	1390249	53740.777141			6
Height Summation:			**13715260.9**				
Amount Avg CF:			**98412.555646**	Linear:			
Aroclor-1262					**6**	**61.65**	
4.70	4.72	4.74	198807.8	8292.590957			1
+ 4.70	4.73	4.74	181720.2	7579.839862			1
4.89	4.91	4.93	545057.9	24040.385367			2
5.08	5.10	5.12	1568998	33178.012976			3
5.30	5.32	5.34	196921.3	10494.456402			4
5.34	5.36	5.38	1390249	43274.816967			5
5.72	5.74	5.76	323567	14944.203344			6
Height Summation:			**4223601**				
Amount Avg CF:			**22370.744335**	Linear:			
Aroclor-1268					**5**	**110.17**	
5.30	5.32	5.34	196921.3	3523.647896			1
5.35	5.36	5.39	1390249	24504.542493			2
5.50	5.51	5.54	154626.6	2990.32596			3
5.72	5.74	5.76	323567	14246.435699			5
5.92	5.94	5.96	99744.18	483.244838			6
Height Summation:			**2165108.08**				
Amount Avg CF:			**9149.639377**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229385** RI ACF DF500 95A16 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.23 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:09:50
Instrument : CP25--18274A
Result file : 25PCBS17284001.048.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 06:09:50
Instrument : CP25--18274B
Result file : 25PCBS17284001B.048.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			24926.6879	4838.71		** 115.69	4	40	
Aroclor-1221			24926.6879	7478.0064		16.87	3	5	
Aroclor-1232			24926.6879	6011.7306	E	** 119.79	4	10	
Aroclor-1242			24926.6879	6011.7306		** 116.61	4	30	
Aroclor-1248			24926.6879	4838.71		6.11	4	40	
Aroclor-1254			24926.6879	6451.6133		18.49	4	40	
Aroclor-1260			24926.6879	5718.4755		8.65	4	40	
Aroclor-1262			24926.6879	4838.71		11.68	4	40	
Aroclor-1268			24926.6879	4838.71		37.43	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229385 RI ACF DF500AD95A16 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:09:50 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: 25PCBS17284001.048.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.044		20708	30174
2.085		5363	13097
2.204		14514	11208
2.297		868	728
2.329		7922	5279
2.369		728	613
2.489		11784	11384
2.533		1899	2017
2.568		2043	1916
2.651		8863	6378
2.686		413	255
2.736		5827	7388
2.776		3586	2594
2.847		703	946
2.895		9296	8141
2.927	TCX	16968	15137
3.02		710	563
3.079		37142	31479
3.133		6330	4893
3.178		30893	23827
3.233		855	434
3.259		1895	1665
3.272		15754	10280
3.313		3685	2793
3.394		44993	24430
3.411		124155	85019
3.448		8492	4281
3.463		22841	15105
3.509		410708	308459
3.546		2239	1117
3.56		6838	3241
3.583		67212	51792
3.617		10462	5170
3.633		17029	9594
3.695		898900	1134349
3.73		443478	397985
3.778		98275	73360
3.821		247066	197392
3.849		551276	389884
3.875		1178192	751228
3.898		2389434	1705098
3.972		232137	157399
3.996		645342	477358
4.027		1238947	960779
4.06		508429	463587
4.106		121704	122478
4.135		100349	114103
4.185		165765	131827
4.22		1062432	719775
4.237		444370	235275
4.262		2590919	2226048
4.332		704764	602431
4.372		2109747	2360170
4.408		1437007	1186008

RT A	Compound A	Height A	Area A
4.448		283893	208732
4.47		240341	165496
4.511		618929	572313
4.561		645494	625885
4.592		133560	80998
4.622		3508397	3140266
4.672		443557	476777
4.706		131622	80187
4.728		26276	15912
4.748		1244119	1162837
4.793		425776	384599
4.834		2391145	2303139
4.866		22417	12701
4.894		360461	384014
4.945		1891386	2456647
4.996		81404	66095
5.032		1008941	1103919
5.079		193686	147875
5.116		215943	263076
5.149		2681485	2446906
5.171		78684	36768
5.191		85864	50575
5.218		230207	191556
5.26		198140	219597
5.331		6628	4718
5.355		564679	456176
5.378		305809	237817
5.409		6097	2975
5.435		181319	172190
5.473		210787	215582
5.512		20885	22827
5.553		512934	469409
5.59		123920	101925
5.614		788827	711068
5.651		28002	23505
5.715		4213	6406
5.776		5570	5782
5.818		618370	588689
5.849		86390	69454
5.874		26069	21271
5.916		2478	2310
5.952		5652	5570
5.984		66191	59526
6.01		3027	1935
6.039		9415	6464
6.06		24032	16581
6.089		224509	221583
6.155		37270	37522
6.192		2460	1894
6.217		39299	31234
6.244		136863	129373
6.289		9336	10020
6.358		506	545
6.392		666	1025
6.447		37330	42385
6.507		6276	8659
6.561		12991	12530
6.596	DCB	7777	6382
6.63		31227	30833
6.762		9386	16632
6.849		470	1423
6.88		5479	7881
6.921		1399	1522
6.974		890	531

LANCASTER LABORATORIES

Sample Number: 9229385 RI ACF DF500AD95A16 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:09:50 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: 25PCBS17284001B.048.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.07		2487	2091
2.112		2849	4476
2.159		7391	6877
2.19		4380	4746
2.206		1793	1322
2.228		2573	4578
2.302		5180	7944
2.364		19280	13378
2.413		3693	2855
2.465		9212	18562
2.516		4030	1836
2.548		7236	7452
2.615	TCX	19416	14324
2.655		17346	16725
2.704		3741	5540
2.787		82334	64888
2.847		15982	21558
2.899		62694	48785
2.951		1895	1610
3.01		44724	34264
3.069		832	388
3.078		862	175
3.085		1246	566
3.106		42433	21556
3.117		197197	102909
3.156		28983	16671
3.178		59444	35680
3.202		9179	4377
3.225		731859	472900
3.244		11869	4184
3.263		126659	74130
3.312		37737	20985
3.324		30388	14067
3.352		8636	4463
3.384		1249813	792386
3.404		1413017	769152
3.418		76846	21600
3.434		737647	402242
3.492		205515	190538
3.527		1152632	734912
3.549		2876274	1445948
3.568		5473135	3065155
3.653		470364	249487
3.676		1341233	727675
3.696		2836058	1758599
3.725		106062	49532
3.742		963942	643340
3.78		359617	301205
3.83		229814	255701
3.852		234141	145096
3.874		4951277	3060138
3.899		4470514	2590862
3.919		1912720	1030448
3.938		1543274	858821

RT B	Compound B	Height B	Area B
3.973		4939125	3274038
4.004		3221463	2009683
4.021		923282	453242
4.043		720948	453766
4.082		676292	504202
4.116		1257918	892829
4.137		66242	41112
4.173		1819251	1294003
4.207		598154	507816
4.233		8216017	6071098
4.27		651109	544626
4.324		3661299	3209799
4.361		978739	763237
4.393		4444478	3099181
4.417		1139224	737768
4.459		4192737	3464681
4.527		34944	26290
4.56		2356920	2260744
4.611		1939525	1534411
4.651		988015	838957
4.689		5305577	4828049
4.72		198808	85789
4.734		181720	90177
4.759		373457	280966
4.818		56083	71911
4.858		42588	25073
4.875		261984	188156
4.909		545058	399120
4.932		1275315	955824
4.982		530437	453188
5.017		272087	219990
5.047		161140	126531
5.079		1220685	815669
5.101		1568998	1156204
5.143		38428	23206
5.174		71500	60542
5.214		3837	2163
5.239		9830	10551
5.294		3496	3148
5.316		196921	185610
5.359		1390249	1425556
5.438		1830	942
5.459		6047	4874
5.48		2431	1281
5.514		154627	124893
5.543		22810	12814
5.561		62712	42085
5.605		391113	300177
5.631		157820	122292
5.676		21308	19788
5.712		102718	78723
5.739		323567	264717
5.77		19363	14300
5.8		3729	2591
5.82		9570	7509
5.865		2261	2138
5.906		1117	463
5.937		99744	84138
6.022		1362	5033
6.074		32840	26314
6.095	DCB	20042	12967
6.132		91562	73181
6.158		4679	6245
6.225		11640	12627
6.247		3828	2311
6.269		2435	1906

RT B	Compound B	Height B	Area B
6.298		2093	1411
6.331		16078	22952
6.416		1452	2167
6.432		2656	1609
6.481		4749	8372
6.515		2993	2511
6.567		15544	21935
6.6		1569	840
6.63		5160	5278
6.651		1935	965
6.693		2138	1603
6.712		1455	945
6.742		1227	963
6.793		12241	17158
6.846		2519	2209
6.868		1101	200
6.92		988	361
6.937		2362	2346

9229385 RI ACF DF500AD95A16 T 172780031A 10225 SW-846 8082

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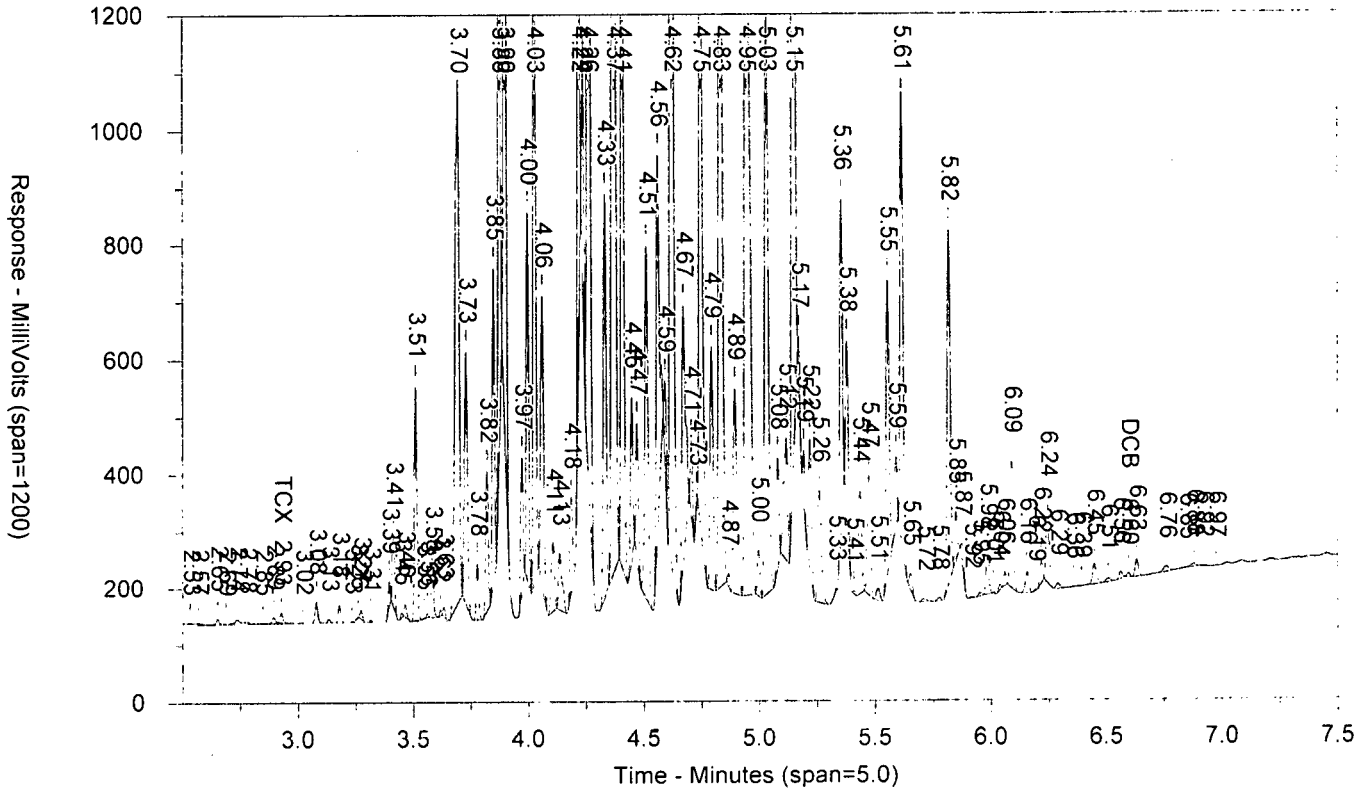

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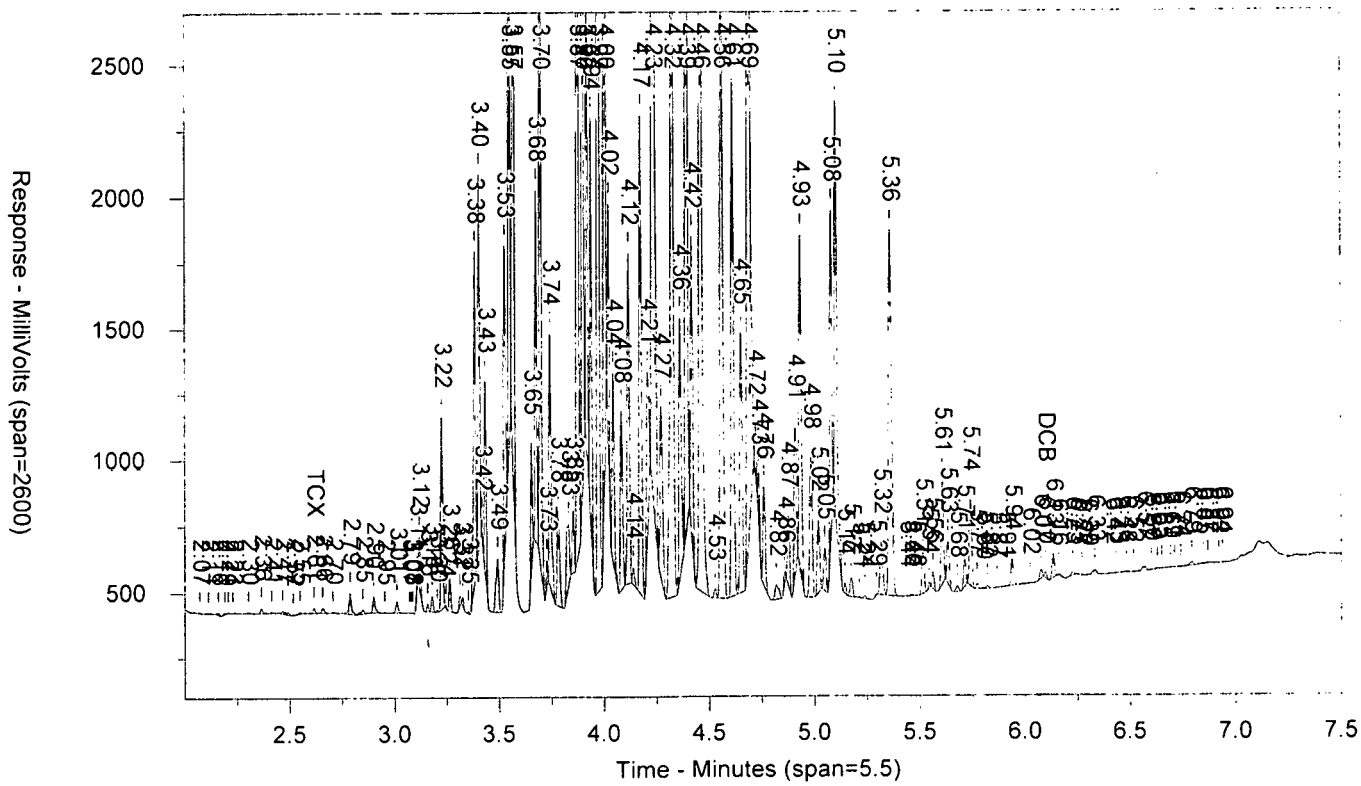

LANCASTER LABORATORIES

Sample Number: 9229385 RI ACF DF500AD95A16 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:09:50 AM Sample Weight: 10.23
Instrument ID: CP25-18274 Dilution Factor: 5000
Oven Parameters: 110c to 250 @.40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.927	16968	54.969	TCX	2.615	19416	34.833	TCX
6.596	7777	39.431	DCB	6.095	20042	32.357	DCB

Files:
Area File: 25PCBS17284001.048.RAW
Area File: 25PCBS17284001B.048.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:25 PM
File Reported On: 10/12/2017 at 4:30:44 PM

9229385 RI ACF DF500AD95A16 T 172780031A 10225 SW-846 8082

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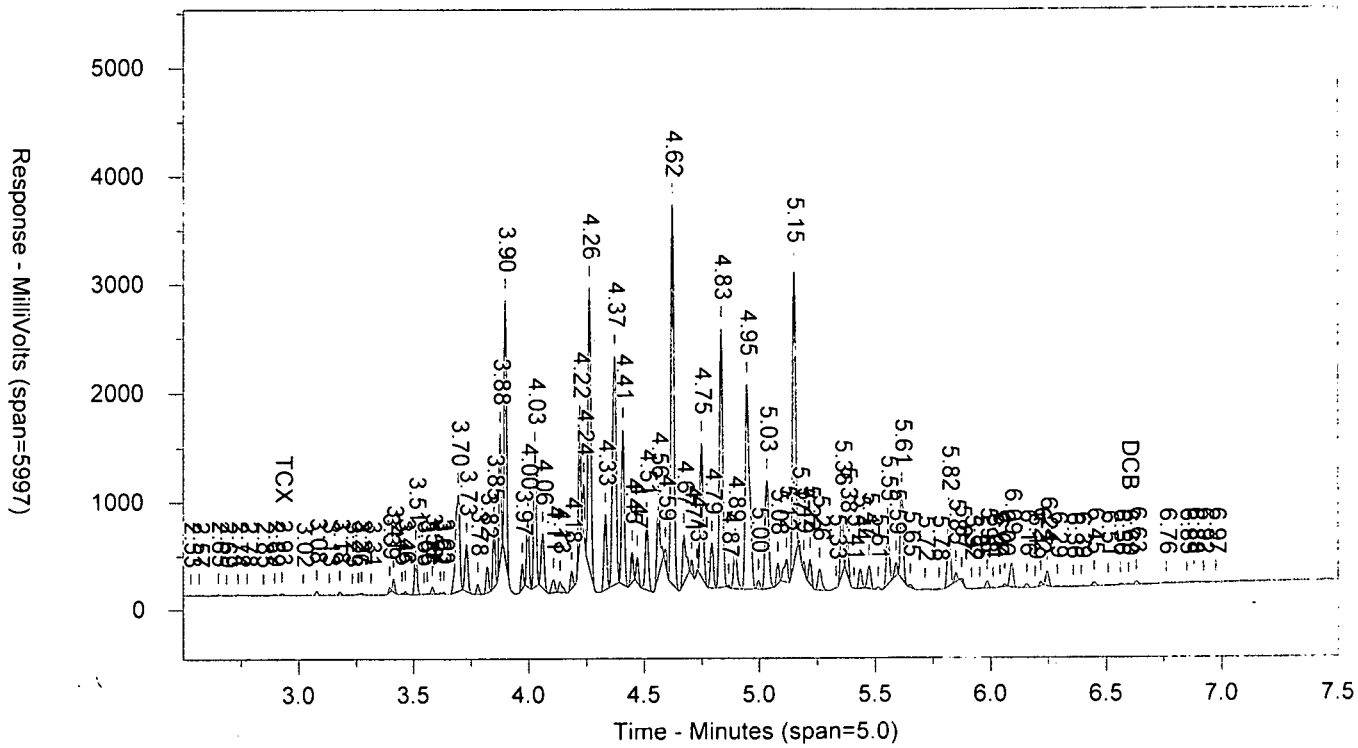

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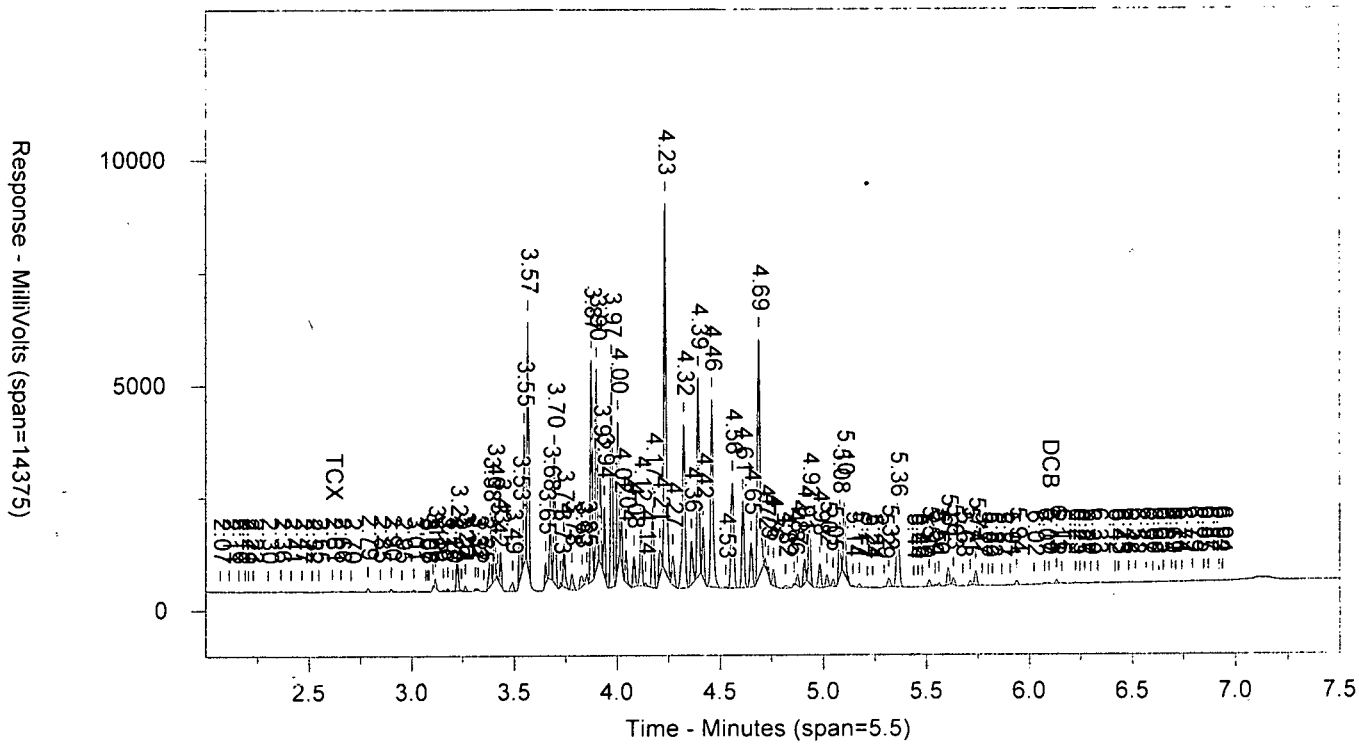

9229385 RI ACF DF500AD95A16 T 172780031A 10225 SW-846 8082

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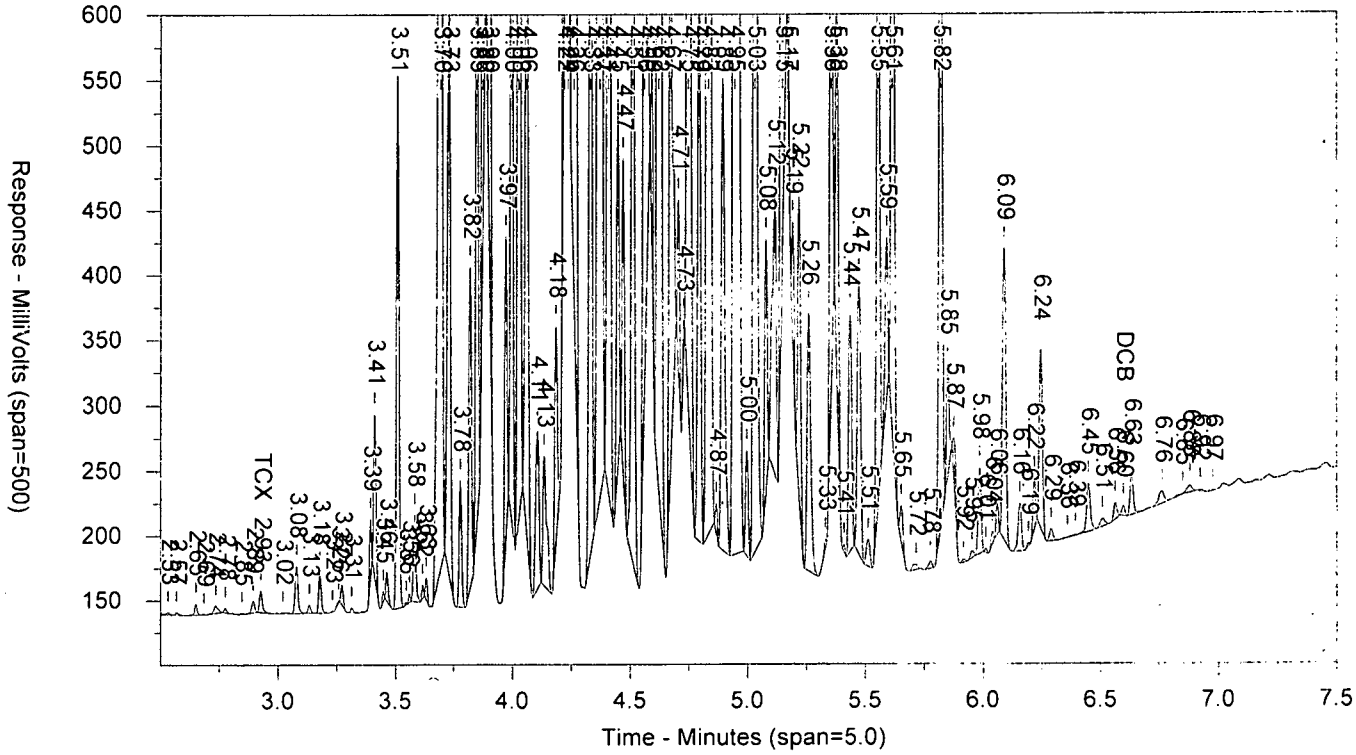

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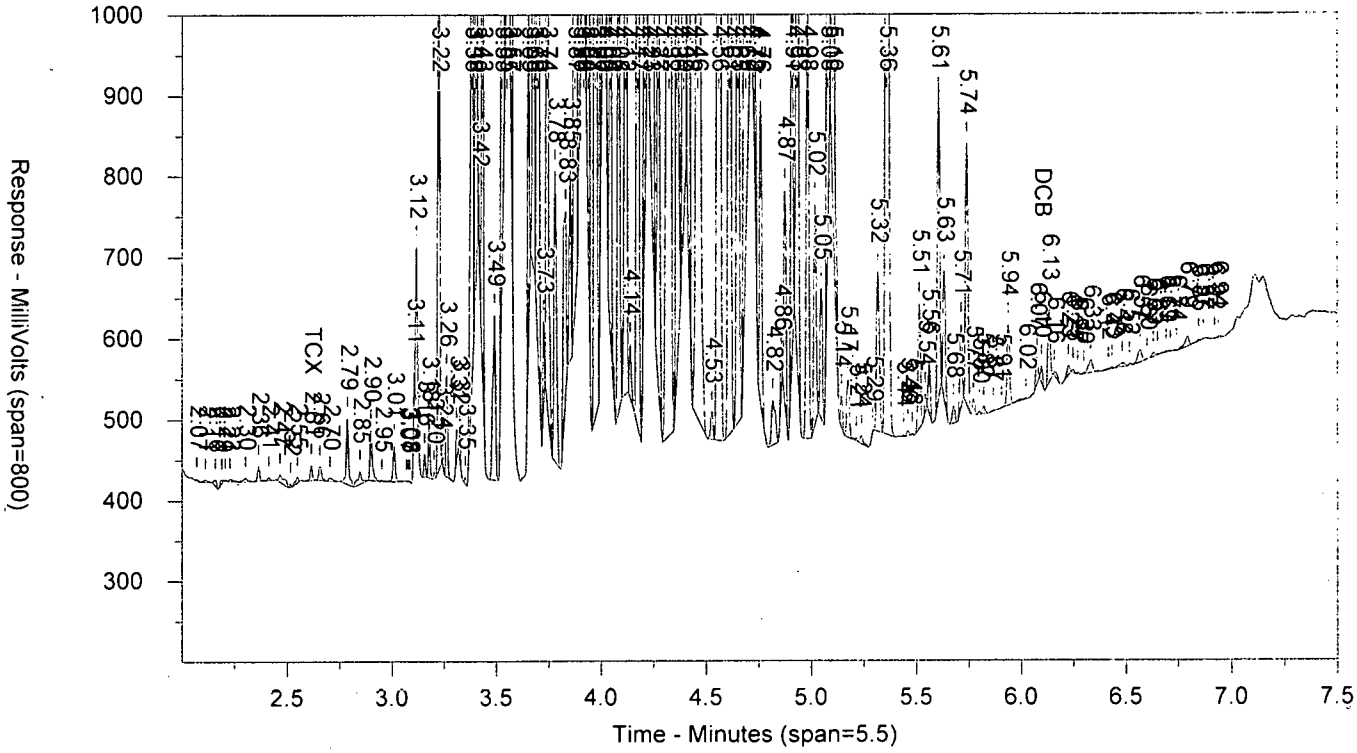

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229386 RI ACF DF200 95A17 Sample ID: AE **Batchnumber: 172780031A**

Sample Amount: 10.32 g Total Volume: 200000 ml Analyst: 2855 SDG: ATG95 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 06:43:43
Instrument	18274A
Result file	25PCBS17284001.051.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 3856% (61 - 152) Conc: 1141.662

%SSR(DCB) * 0% (48 - 164) Conc: 0

Analysis Report (B)

Injected on	Oct 12, 2017 06:43:43
Instrument	18274B
Result file	25PCBS17284001B.051.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) * 0% (61 - 152) Conc: 0

%SSR(DCB) * 546% (48 - 164) Conc: 143.4397

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	8888	1141.662	Decachlorobiphenyl	6.07	6.10	6.13	2241	143.4397

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene							
☑	Tetrachloro-m-xylene-D1	A	1141.662					
☑	Tetrachloro-m-xylene-D2							
☐	Decachlorobiphenyl							
☑	Decachlorobiphenyl-D1							
☑	Decachlorobiphenyl-D2	B	143.4397					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**46.82**	
4.55	4.56	4.59	190569.2	1216261.078789			1
4.61	4.62	4.65	1530084	4987029.924121			2
4.73	4.75	4.77	483215.5	4901783.133769			3
4.82	4.83	4.86	906314.8	4324559.056002			4
5.02	5.03	5.06	262425.6	1718910.001413			5
5.13	5.15	5.17	805319.5	3760919.894097			6

Height summation: **4177928.6**

Concentration CF: **3484910.514699** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**34.25**	
4.22	4.23	4.26	3475497	5223711.352124			1
4.31	4.32	4.35	1318146	4086814.658726			2
4.38	4.39	4.42	1706740	4336295.555647			3
4.44	4.46	4.48	1449556	5767469.10287			4
4.59	4.61	4.63	494470.6	1728716.392892			5
4.67	4.69	4.71	1561836	3597422.283519			6

Height summation: **10006245.6**

Concentration CF: **4123404.890963** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<988372.0977	<191860.466	D1		4	
☑	PCB-1221			<988372.0977	<296511.6293	D1		3	
☑	PCB-1232			<988372.0977	<238372.0941	D1		4	
☑	PCB-1242			<988372.0977	<238372.0941	D1		4	
☑	PCB-1248			<988372.0977	<191860.466	D1		4	
☑	PCB-1254	B	4123404.890963	988372.0977	255813.9547	D2	16.78	4	
☑	PCB-1260			<988372.0977	<226744.1871	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:47

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229386** RI ACF DF200 95A17 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.32 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:43:43
Instrument : CP25--18274A
Result file : 25PCBS17284001.051.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *3856% (61-152) Conc.: 1141.662
%SSR(DCB) : *0% (48-164) Conc.: 0

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	102.02	
3.16	3.18	3.20	44061.25	323529.591847			1
+ 3.38	3.40	3.42	70083.5	556352.228796			2
3.38	3.41	3.42	88857.57	705388.673724			2
3.49	3.51	3.53	139772.5	866157.229673			3
3.71	3.73	3.75	158065.5	858105.473108			4
3.76	3.78	3.80	108018.5	678259.567112			5
3.96	3.97	4.00	381159.5	3556235.095439			6
Height Summation:			919934.82				
Amount Avg CF:			1164612.60515	Linear:			
Aroclor-1221					3	36.71	
3.06	3.08	3.10	23748.63	408551.495871			1
3.11	3.13	3.15	9976.536	194950.131825			2
3.16	3.18	3.20	44061.25	277055.331363			3
Height Summation:			77786.416				
Amount Avg CF:			293518.986353	Linear:			
Aroclor-1232					6	111.84	
3.16	3.18	3.20	44061.25	316399.532447			1
+ 3.38	3.40	3.42	70083.5	1350278.014882			2
3.38	3.41	3.42	88857.57	1711992.455097			2
3.49	3.51	3.53	139772.5	1994183.606979			3
3.70	3.73	3.74	158065.5	1854983.888146			4
3.76	3.78	3.80	108018.5	1717360.34246			5
E 3.95	3.97	3.99	381159.5	8901591.276853			6
Height Summation:			919934.82				
Amount Avg CF:			2749418.516997	Linear:			
Aroclor-1242					6	104.56	
3.16	3.18	3.20	44061.25	234258.780258			1
+ 3.37	3.40	3.41	70083.5	440004.264714			2
3.37	3.41	3.41	88857.57	557873.247657			2
3.49	3.51	3.53	139772.5	654257.353437			3
3.70	3.73	3.74	158065.5	595641.871056			4
3.76	3.78	3.80	108018.5	530512.671934			5
3.95	3.97	3.99	381159.5	2764390.959835			6
Height Summation:			919934.82				
Amount Avg CF:			889489.147363	Linear:			
Aroclor-1248					6	86.01	
3.71	3.73	3.75	158065.5	1572382.755763			1
3.76	3.78	3.80	108018.5	1241608.367795			2
3.83	3.85	3.87	619436.4	4709395.64658			3
3.98	4.00	4.02	391166.5	9585042.693592			4
4.04	4.06	4.08	260938	2025460.193795			5
4.22	4.24	4.26	353313.8	2863015.32947			6
Height Summation:			1890938.7				
Amount Avg CF:			3666150.831166	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:43:43
Instrument : CP25--18274B
Result file : 25PCBS17284001B.051.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : *0% (61-152) Conc.: 0
%SSR(DCB) : *546% (48-164) Conc.: 143.4397

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	122.57	
2.88	2.90	2.92	88773.77	359701.689361			1
3.21	3.23	3.25	259249.9	867514.97722			2
+ 3.21	3.24	3.25	7045.918	23577.40309			2
3.40	3.40	3.44	404448.9	1378807.286823			3
+ 3.40	3.42	3.44	110486.9	376661.038807			3
+ 3.40	3.43	3.44	173411.1	591176.013326			3
3.47	3.49	3.51	226530.3	702315.304802			4
3.53	3.55	3.57	2221230	8277754.655758			5
+ 3.53	3.57	3.57	1764574	6575955.954102			5
3.64	3.65	3.68	865818.9	3195154.990243			6
Height Summation:			4066051.77				
Amount Avg CF:			2463541.484035	Linear:			
Aroclor-1221					3	26.70	
2.77	2.79	2.81	54990.22	463450.304293			1
2.83	2.85	2.87	21037.27	293378.855448			2
2.88	2.90	2.92	88773.77	306456.798681			3
Height Summation:			164801.26				
Amount Avg CF:			354428.652807	Linear:			
Aroclor-1232					6	137.50	
2.88	2.90	2.92	88773.77	337563.646396			1
3.21	3.23	3.25	259249.9	1960300.519055			2
+ 3.21	3.24	3.25	7045.918	53277.230628			2
3.40	3.40	3.44	404448.9	3098848.997788			3
+ 3.40	3.42	3.44	110486.9	846540.117512			3
+ 3.40	3.43	3.44	173411.1	1328659.352122			3
3.47	3.49	3.51	226530.3	1684693.742906			4
E 3.53	3.55	3.57	2221230	24254131.259171			5
E+ 3.53	3.57	3.57	1764574	19267797.307132			5
E 3.63	3.65	3.67	865818.9	8254765.366136			6
Height Summation:			4066051.77				
Amount Avg CF:			6598383.921909	Linear:			
Aroclor-1242					6	134.39	
2.88	2.90	2.92	88773.77	274709.294589			1
3.21	3.23	3.25	259249.9	666387.629431			2
+ 3.21	3.24	3.25	7045.918	18111.145243			2
3.40	3.40	3.44	404448.9	943308.962007			3
+ 3.40	3.42	3.44	110486.9	257692.091521			3
+ 3.40	3.43	3.44	173411.1	404452.193445			3
3.47	3.49	3.51	226530.3	534403.176266			4
E 3.53	3.55	3.57	2221230	7424459.948026			5
E+ 3.53	3.57	3.57	1764574	5898087.540835			5
3.63	3.65	3.67	865818.9	2398744.840526			6
Height Summation:			4066051.77				
Amount Avg CF:			2040335.641807	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229386** RI ACF DF200 95A17 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.32 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:43:43
Instrument : CP25--18274A
Result file : 25PCBS17284001.051.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	46.82	
4.55	4.56	4.59	190569.2	1216261.078789			1
+ 4.55	4.58	4.59	22798.96	145508.758419			1
4.61	4.62	4.65	1530084	4987029.924121			2
4.73	4.75	4.77	483215.5	4901783.133769			3
4.82	4.83	4.86	906314.8	4324559.056002			4
5.02	5.03	5.06	262425.6	1718910.001413			5
5.13	5.15	5.17	805319.5	3760919.894097			6
Height Summation:			**4177928.6**				
Amount Avg CF:			**3484910.514699**	Linear:			
Aroclor-1260					6	69.89	
4.73	4.75	4.77	483215.5	2004530.508281			1
4.93	4.95	4.97	652875.5	2342741.912475			2
5.13	5.15	5.17	805319.5	2383250.558524			3
5.36	5.38	5.40	91407.23	508734.887866			4
5.60	5.62	5.64	185555.5	413805.246324			5
5.80	5.82	5.84	170180.6	601296.78506			6
Height Summation:			**2388553.83**				
Amount Avg CF:			**1375726.649755**	Linear:			
Aroclor-1262					5	42.75	
5.20	5.22	5.24	63606.29	226070.337461			1
5.36	5.38	5.40	91407.23	372734.523048			2
5.60	5.62	5.64	185555.5	334344.365009			3
5.80	5.82	5.84	170180.6	465403.381105			4
6.23	6.24	6.27	27056.36	129320.6106			6
Height Summation:			**537805.98**				
Amount Avg CF:			**305574.643444**	Linear:			
Aroclor-1268					4	97.96	
5.80	5.82	5.84	170180.6	270166.882527			1
+ 6.06	6.06	6.10	6907.581	46983.723708			4
6.06	6.09	6.10	76931.91	523272.561516			4
6.23	6.24	6.27	27056.36	118081.988177			5
6.43	6.45	6.47	7934.32	4522.713508			6
Height Summation:			**282103.19**				
Amount Avg CF:			**229011.036432**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:43:43
Instrument : CP25--18274B
Result file : 25PCBS17284001B.051.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	57.77	
3.40	3.40	3.44	404448.9	2725070.188115			1
+ 3.40	3.42	3.44	110486.9	744431.638625			1
+ 3.40	3.43	3.44	173411.1	1168398.328932			1
3.47	3.49	3.51	226530.3	1268824.399432			2
3.51	3.53	3.55	1344645	4594131.994851			3
3.64	3.65	3.68	865818.9	2415594.843967			4
+ 3.73	3.73	3.77	44020.29	177142.123365			5
3.73	3.74	3.77	506696.8	2038999.448992			5
3.86	3.88	3.90	2740547	6271206.462864			6
Height Summation:			**6088686.9**				
Amount Avg CF:			**3218971.223037**	Linear:			
Aroclor-1254					6	34.25	
4.22	4.23	4.26	3475497	5223711.352124			1
4.31	4.32	4.35	1318146	4086814.658726			2
4.38	4.39	4.42	1706740	4336295.555647			3
4.44	4.46	4.48	1449556	5767469.10287			4
4.59	4.61	4.63	494470.6	1728716.392892			5
4.67	4.69	4.71	1561836	3597422.283519			6
Height Summation:			**10006245.6**				
Amount Avg CF:			**4123404.890963**	Linear:			
Aroclor-1260					6	77.05	
4.31	4.32	4.35	1318146	2336494.510836			1
4.44	4.46	4.48	1449556	2395321.4253			2
4.55	4.56	4.59	709021.1	1411159.867668			3
4.89	4.91	4.93	149332.1	382776.173894			4
5.09	5.10	5.13	330505.1	374086.92674			5
5.34	5.36	5.38	346759.9	531491.285228			6
Height Summation:			**4303320.2**				
Amount Avg CF:			**1238555.031611**	Linear:			
Aroclor-1262					6	64.10	
4.70	4.72	4.74	62251	102957.759791			1
+ 4.70	4.74	4.74	47335.44	78288.716023			1
4.89	4.91	4.93	149332.1	261160.737705			2
5.08	5.10	5.12	330505.1	277116.302614			3
5.30	5.32	5.34	42713	90257.491047			4
5.34	5.36	5.38	346759.9	427983.912984			5
5.72	5.74	5.76	57679.02	105628.800151			6
Height Summation:			**989240.12**				
Amount Avg CF:			**210850.834049**	Linear:			
Aroclor-1268					5	115.88	
5.30	5.32	5.34	42713	30305.106449			1
5.35	5.36	5.39	346759.9	242347.645054			2
5.50	5.52	5.54	47430.46	36370.359089			3
5.72	5.74	5.76	57679.02	100696.830383			5
5.92	5.94	5.96	22728.77	4366.279377			6
Height Summation:			**517311.15**				
Amount Avg CF:			**82817.24407**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229386** RI ACF DF200 95A17 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.32 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:43:43
Instrument : CP25--18274A
Result file : 25PCBS17284001.051.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 06:43:43
Instrument : CP25--18274B
Result file : 25PCBS17284001B.051.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			88372.1641	91860.4789		** 71.60	4	40	
Aroclor-1221			88372.1641	96511.6492		18.80	3	5	
Aroclor-1232			88372.1641	38372.1102	E	** 82.35	4	10	
Aroclor-1242			88372.1641	38372.1102		** 78.56	4	30	
Aroclor-1248			88372.1641	91860.4789		12.99	4	40	
Aroclor-1254			88372.1641	55813.9719		16.78	4	40	
Aroclor-1260			88372.1641	26744.2023		10.49	4	40	
Aroclor-1262			88372.1641	91860.4789		36.68	4	40	
Aroclor-1268			88372.1641	91860.4789		** 93.77	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229386 RI ACF DF200AE95A17 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:43:43 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.051.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		11839	13240
2.09		3004	5160
2.171		656	403
2.205		2486	1987
2.33		2511	1635
2.369		1932	4211
2.491		7769	8131
2.531		1172	1173
2.571		1580	1468
2.653		2221	2012
2.715		275	337
2.746		2527	3469
2.85		505	397
2.896		5496	4797
2.926	TCX	8888	8980
3.019		1021	1015
3.05		329	121
3.079		23749	21297
3.134		9977	7273
3.18		44061	33032
3.234		398	515
3.273		14697	15422
3.317		1414	1029
3.337		567	364
3.395		70084	39881
3.412		88858	55000
3.448		6200	3303
3.465		13395	9467
3.51		139773	105553
3.547		1741	1009
3.561		4530	2254
3.585		30978	21279
3.619		81969	71540
3.676		38535	22337
3.688		177108	216128
3.728		158066	169601
3.781		108019	82615
3.822		107447	78298
3.85		619436	440243
3.877		961338	637071
3.899		749420	503116
3.973		381160	275926
3.997		391167	289995
4.028		434880	332427
4.061		260938	237354
4.105		54465	57297
4.135		13413	8625
4.15		7686	3912
4.187		92523	69548
4.221		529723	356551
4.239		353314	197767
4.264		939633	820862
4.333		342457	289885
4.373		931568	1086339

RT A	Compound A	Height A	Area A
4.409		709519	613590
4.449		120486	87106
4.471		110640	81909
4.513		280726	262094
4.562		190569	148173
4.579		22799	9200
4.593		47049	26133
4.624		1530084	1372702
4.673		101380	75640
4.688		23563	9795
4.706		37664	22594
4.729		6842	4317
4.749		483216	466857
4.794		194720	172720
4.835		906315	880637
4.866		4264	2127
4.895		152232	152509
4.947		652876	900513
4.998		21704	17281
5.033		262426	294143
5.08		63354	47603
5.117		89941	107690
5.151		805320	831556
5.192		25522	17551
5.219		63606	52004
5.26		50452	53908
5.329		4715	4970
5.356		156707	130919
5.379		91407	70876
5.41		1898	1042
5.437		57653	51332
5.474		71304	68961
5.514		6324	6631
5.556		147844	139034
5.591		39698	34644
5.616		185556	169604
5.653		9069	8274
5.713		1758	2728
5.778		1806	2046
5.82		170181	158356
5.85		32316	45836
5.925		698	730
5.956		3459	3698
5.986		20746	18013
6.042		3201	2637
6.061		6908	4690
6.09		76932	71031
6.155		12246	12614
6.193		1036	766
6.218		13004	10624
6.245		27056	23632
6.289		2191	3029
6.328		747	411
6.341		698	360
6.374		754	649
6.449		7934	10010
6.508		4016	5336
6.562		5691	10149
6.632		10742	10394
6.708		640	1077
6.765		3546	5764
6.794		751	240
6.828		604	384
6.878		6999	13963
6.931		933	511

LANCASTER LABORATORIES

Sample Number: 9229386 RI ACF DF200AE95A17 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:43:43 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.051.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.212		2374	8446
2.233		2369	3473
2.302		3348	3016
2.365		4618	3404
2.411		2240	1312
2.468		4869	11846
2.526		4579	6722
2.578		1881	1742
2.657		14393	13896
2.713		3741	4229
2.763		1574	1415
2.787		54990	41084
2.847		21037	17269
2.899		88774	58548
3.009		28180	18644
3.05		1805	1626
3.072		833	195
3.081		518	87
3.086		957	192
3.106		89975	40901
3.117		119110	54363
3.157		22740	12664
3.178		37709	21013
3.203		7957	4234
3.226		259250	165242
3.245		7046	2464
3.264		67841	39200
3.287		791	257
3.309		151892	84864
3.325		30826	14037
3.35		2122	1429
3.375		92809	45499
3.384		336297	150021
3.404		404449	205247
3.418		110487	45371
3.434		173411	90334
3.492		226530	150115
3.527		1344645	805051
3.55		2221230	1202545
3.568		1764574	942333
3.631		1012	1078
3.653		865819	514642
3.676		884995	480788
3.696		912933	583906
3.726		44020	20389
3.742		506697	334188
3.782		148593	131494
3.831		116534	129363
3.853		213613	124369
3.875		2740547	1765979
3.9		1682837	987492
3.919		727578	376434
3.938		726273	423318
3.973		1982091	1391237

RT B	Compound B	Height B	Area B
4.005		1634022	1041430
4.022		391659	188659
4.044		284377	178579
4.083		316933	237850
4.117		589695	414880
4.138		23972	18399
4.174		639414	446263
4.214		136845	160701
4.234		3475497	2537335
4.271		253742	195316
4.325		1318147	1156032
4.362		404034	326916
4.394		1706740	1167397
4.418		410176	270840
4.461		1449556	1226374
4.56		709021	696244
4.613		494471	421296
4.653		345936	288323
4.689		1561836	1413804
4.722		62251	26439
4.736		47335	23177
4.76		93783	69633
4.82		14179	18826
4.859		9561	5399
4.877		85279	63009
4.91		149332	105171
4.934		350931	266705
4.984		165194	136156
5.019		76591	61613
5.05		43157	35776
5.081		321818	221912
5.103		330505	245289
5.145		7848	4635
5.176		20079	17236
5.215		1810	743
5.318		42713	55341
5.36		346760	346903
5.432		1215	303
5.463		2991	3811
5.515		47430	38385
5.545		7882	4483
5.563		15408	10478
5.608		130071	102023
5.633		36359	27071
5.681		6314	5844
5.714		38158	28835
5.74		57679	45960
5.772		2850	2088
5.798		3081	2783
5.893		774	15377
5.911		1174	927
5.938		22729	19717
5.991		1765	2508
6.033		407	1528
6.051		2197	1735
6.076		10508	7268
6.098	DCB	2241	1274
6.133		27574	22803
6.161		11095	11851
6.231		11317	21495
6.275		3155	5118
6.319		3798	3507
6.368		679	534
6.382		1890	697
6.395		1324	511
6.419		807	729

RT B	Compound B	Height B	Area B
6.432		926	391
6.442		1156	476
6.491		763	1818
6.553		2126	1840
6.594		1065	280
6.631		1852	2911
6.667		2213	1996
6.688		822	627
6.726		2289	2470
6.775		2250	3092
6.791		959	403
6.81		872	303
6.849		1282	898
6.886		882	439

9229386 RI ACF DF200AE95A17 T 172780031A 10225 SW-846 8082

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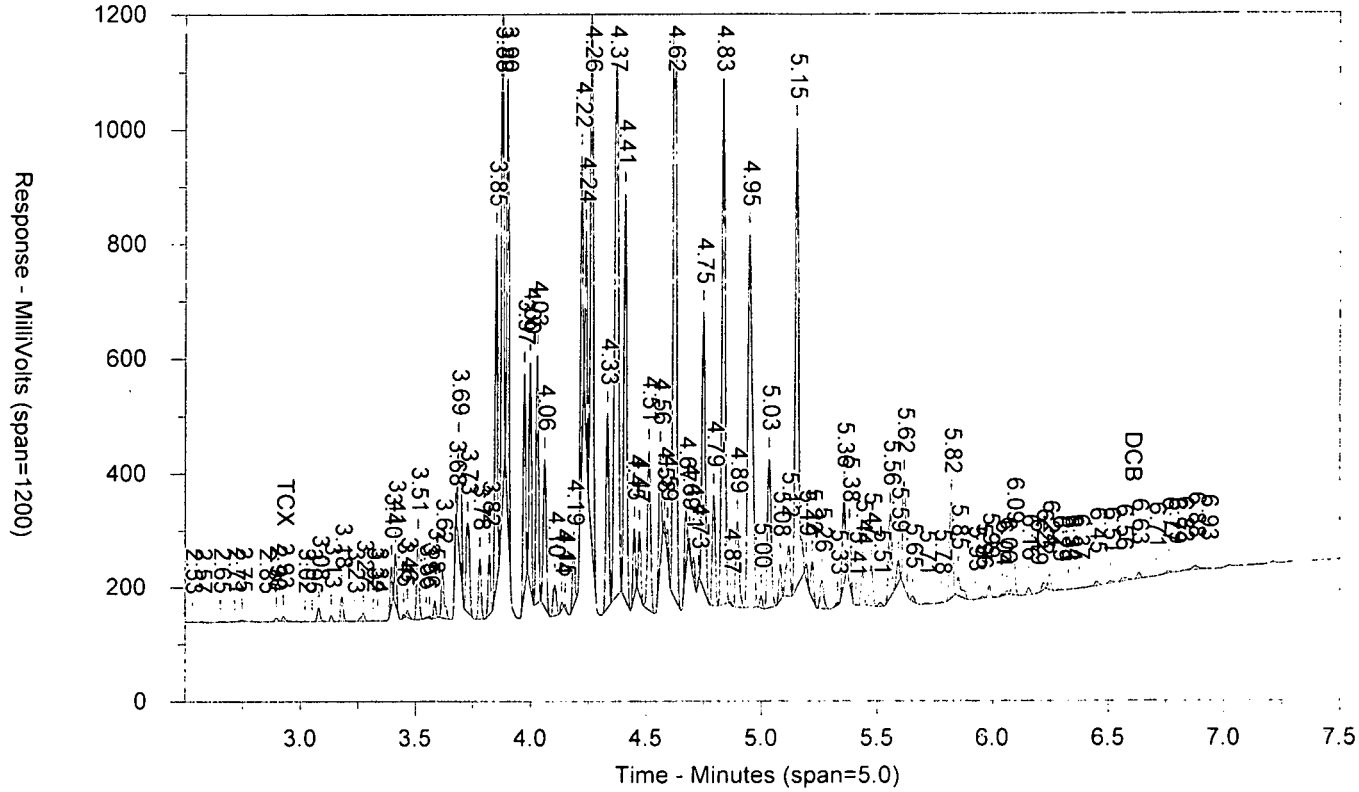

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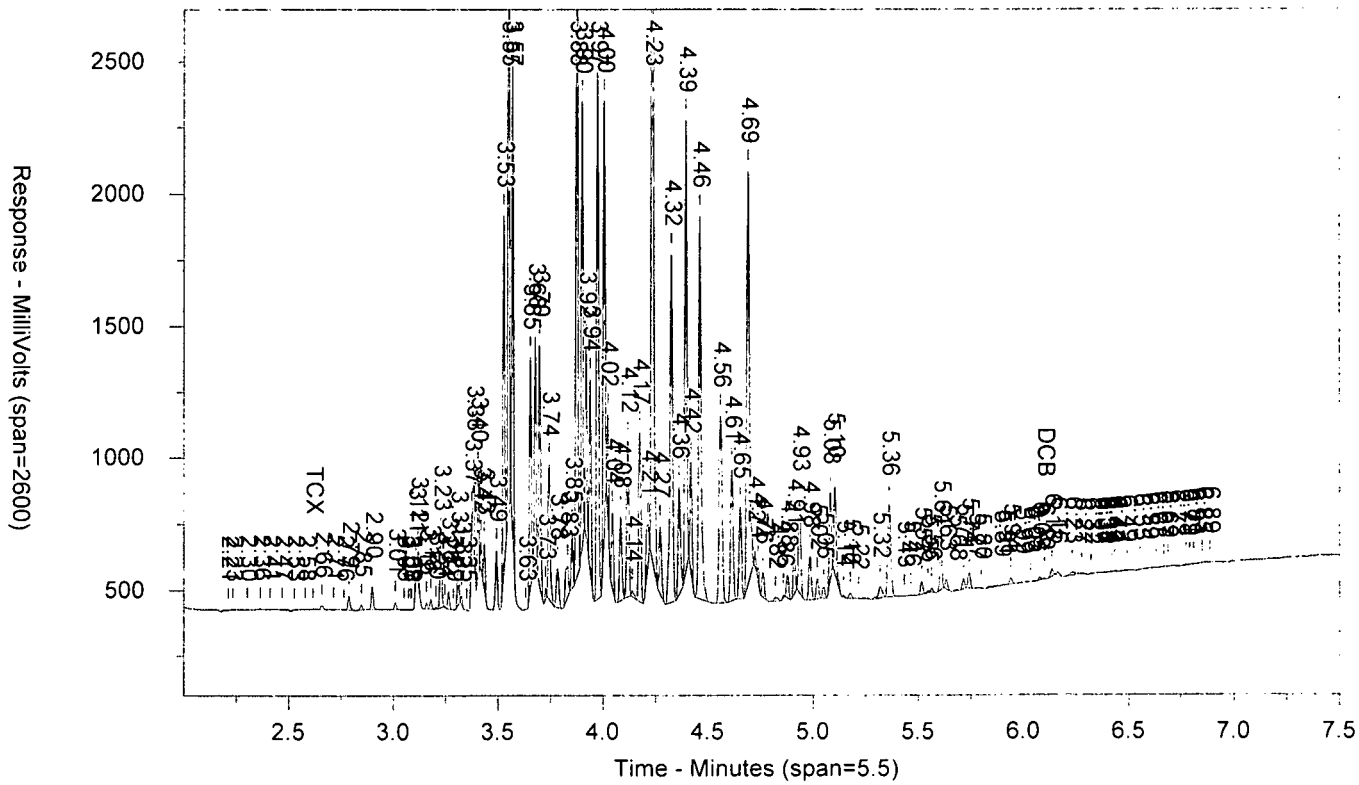

LANCASTER LABORATORIES

Sample Number: 9229386 RI ACF DF200AE95A17 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:43:43 AM Sample Weight: 10.32
Instrument ID: CP25-18274 Dilution Factor: 200000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.926	8888	1141.662	TCX		0		TCX
	0		DCB	6.098	2241	143.44	DCB

Files:
Area File: 25PCBS17284001.051.RAW
Area File: 25PCBS17284001B.051.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:26 PM
File Reported On: 10/12/2017 at 4:31:29 PM

9229386 RI ACF DF200AE95A17 T 172780031A 10225 SW-846 8082

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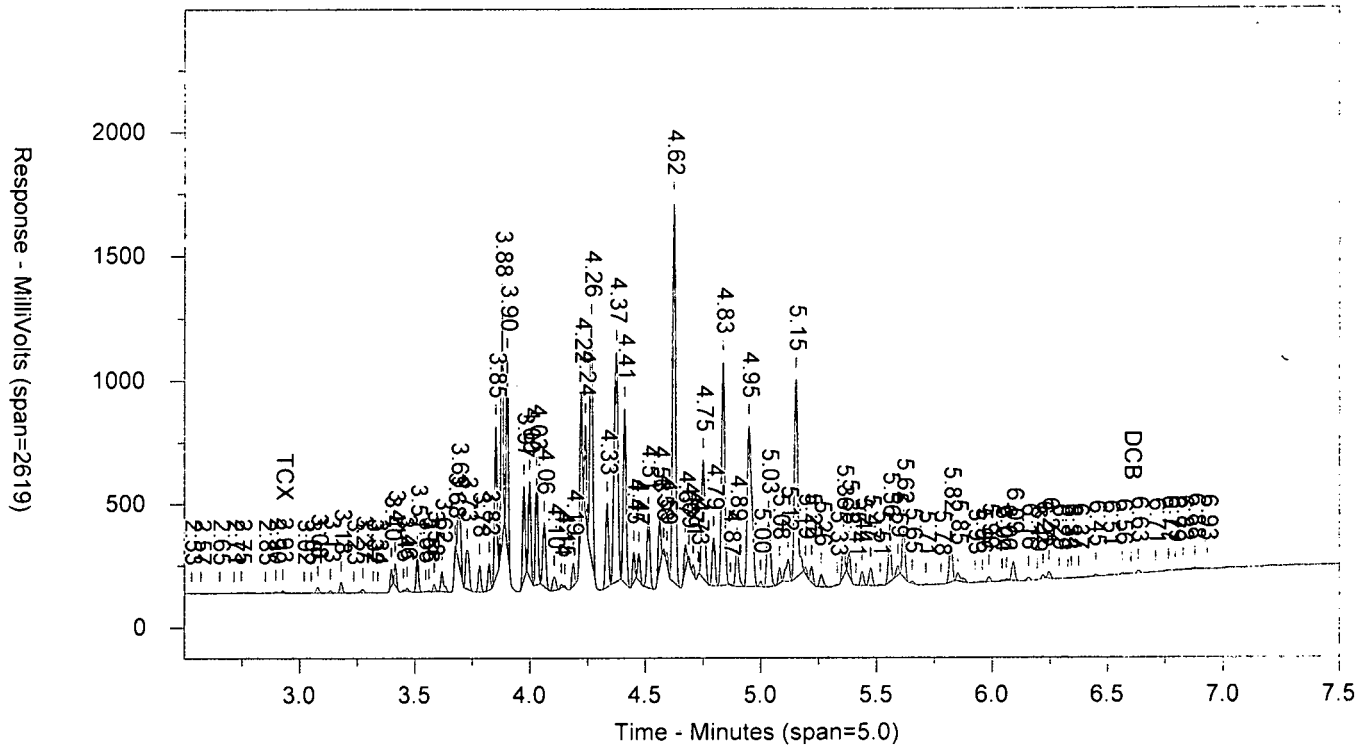

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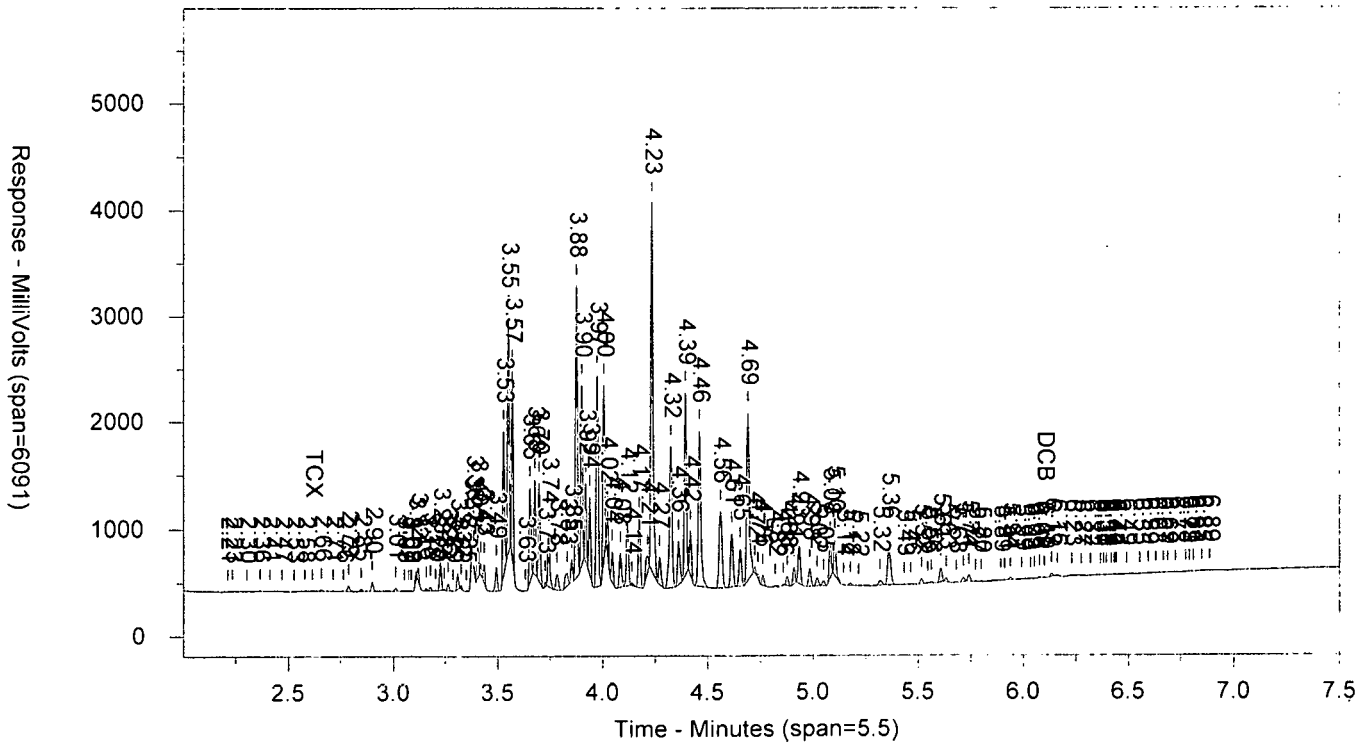

9229386 RI ACF DF200AE95A17 T 172780031A 10225 SW-846 8082

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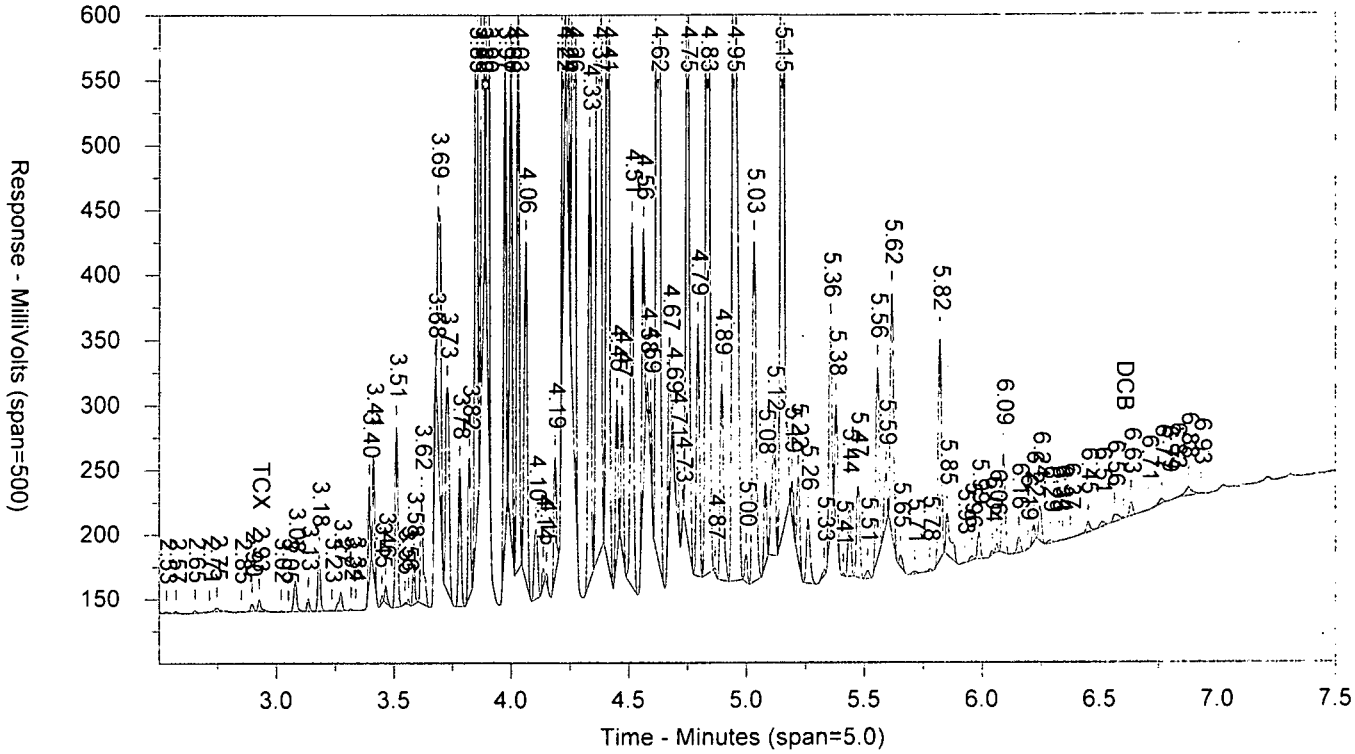

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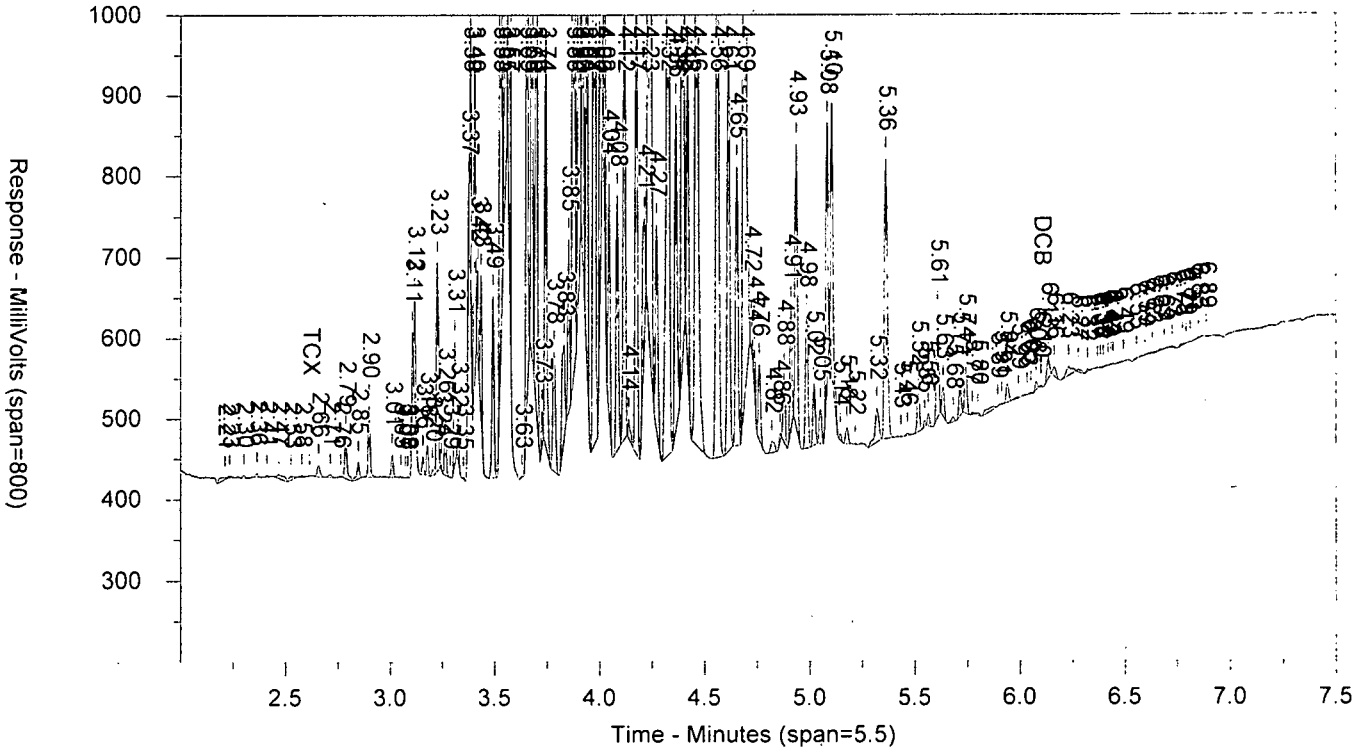

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229387 RI ACF DF100 95A18 Sample ID: AC **Batchnumber: 172780031A**
Sample Amount: 10.12 g Total Volume: 1000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 06:55:01
Instrument	18274A
Result file	25PCBS17284001.052.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 100% (61 - 152) Conc: 30.17119
%SSR(DCB) 152% (48 - 164) Conc: 40.88312

Analysis Report (B)

Injected on	Oct 12, 2017 06:55:01
Instrument	18274B
Result file	25PCBS17284001B.052.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 112% (61 - 152) Conc: 33.77657
%SSR(DCB) 124% (48 - 164) Conc: 33.3217

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	46066	30.17119
Decachlorobiphenyl	6.57	6.60	6.63	39881	40.88312

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	93124	33.77657
Decachlorobiphenyl	6.07	6.10	6.13	102087	33.3217

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	33.77657				11.28	
☑	Tetrachloro-m-xylene-D1	A	30.17119					
☑	Tetrachloro-m-xylene-D2	B	33.77657					
☐	Decachlorobiphenyl	A	40.88312				20.38	
☑	Decachlorobiphenyl-D1	A	40.88312					
☑	Decachlorobiphenyl-D2	B	33.3217					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**35.55**	
4.73	4.75	4.77	557851.1	11799.382959			1
4.93	4.95	4.97	780715.9	14284.212068			2
5.13	5.15	5.17	1241860	18738.866455			3
5.36	5.38	5.40	267122.8	7580.382507			4
5.60	5.62	5.64	767715.9	8729.55057			5
5.80	5.82	5.84	521740	9399.443773			6

Height summation: **4137005.7**
Concentration CF: **11755.306389** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**23.28**	
4.31	4.33	4.35	1464078	13232.279108			1
4.44	4.46	4.48	1722896	14516.337373			2
4.55	4.56	4.59	1149523	11665.514869			3
4.89	4.91	4.93	597342	7806.996154			4
5.09	5.10	5.13	1592204	9188.873345			5
5.34	5.36	5.38	1242767	9712.391509			6

Height summation: **7768810**
Concentration CF: **11020.398726** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<5039.5257	<978.2609	D1		4	
☑	PCB-1221			<5039.5257	<1511.8577	D1		3	
☑	PCB-1232			<5039.5257	<1215.415	D1		4	
☑	PCB-1242			<5039.5257	<1215.415	D1		4	
☑	PCB-1248			<5039.5257	<978.2609	D1		4	
☑	PCB-1254			<5039.5257	<1304.3478	D1		4	
☑	PCB-1260	A	11755.306389	5039.5257	1156.1265	D1	6.45	4	

Units: ug/kg

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

Valerie L Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:48

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229387** RI ACF DF100 95A18 ID: AC **Batchnumber: 172780031A**
Sample Amount: 10.12 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:55:01
Instrument : CP25--18274A
Result file : 25PCBS17284001.052.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 100% (61-152) Conc.: 30.17119
%SSR(DCB) : 152% (48-164) Conc.: 40.88312

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	70.85	
3.16	3.18	3.20	7604.644	284.711673			1
+ 3.38	3.40	3.42	7356.904	297.781921			2
3.38	3.41	3.42	12512.07	506.445136			2
3.49	3.51	3.53	27157.36	858.087825			3
3.71	3.73	3.75	48626.2	1345.993937			4
3.76	3.78	3.80	18268.72	584.89121			5
3.96	3.97	4.00	43989.5	2092.675692			6
Height Summation:			**158158.494**				
Amount Avg CF:			**945.467579**	Linear:			
Aroclor-1221					3	39.67	
3.06	3.08	3.10	4938.201	433.157856			1
3.11	3.13	3.15	2169.538	216.162428			2
3.16	3.18	3.20	7604.644	243.813515			3
Height Summation:			**14712.383**				
Amount Avg CF:			**297.711266**	Linear:			
Aroclor-1232					6	79.09	
3.16	3.18	3.20	7604.644	278.437097			1
+ 3.38	3.40	3.42	7356.904	722.722694			2
3.38	3.41	3.42	12512.07	1229.152499			2
3.49	3.51	3.53	27157.36	1975.605139			3
3.70	3.73	3.74	48626.2	2909.662209			4
3.76	3.78	3.80	18268.72	1480.950683			5
3.95	3.97	3.99	43989.5	5238.164292			6
Height Summation:			**158158.494**				
Amount Avg CF:			**2185.328653**	Linear:			
Aroclor-1242					6	71.81	
3.16	3.18	3.20	7604.644	206.151805			1
+ 3.37	3.40	3.41	7356.904	235.507847			2
3.37	3.41	3.41	12512.07	400.534065			2
3.49	3.51	3.53	27157.36	648.162078			3
3.70	3.73	3.74	48626.2	934.302801			4
3.76	3.78	3.80	18268.72	457.482966			5
3.95	3.97	3.99	43989.5	1626.712973			6
Height Summation:			**158158.494**				
Amount Avg CF:			**712.224448**	Linear:			
Aroclor-1248					6	62.26	
3.71	3.73	3.75	48626.2	2466.384055			1
3.76	3.78	3.80	18268.72	1070.690125			2
3.83	3.85	3.87	86701.33	3360.96047			3
3.98	4.00	4.02	41568.52	5193.571905			4
4.04	4.06	4.08	53889.81	2132.859387			5
4.22	4.22	4.26	170872.6	7059.999811			6
+ 4.22	4.24	4.26	45774.75	1891.290507			6
Height Summation:			**419927.18**				
Amount Avg CF:			**3547.410959**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:55:01
Instrument : CP25--18274B
Result file : 25PCBS17284001B.052.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 112% (61-152) Conc.: 33.77657
%SSR(DCB) : 124% (48-164) Conc.: 33.3217

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	117.03	
2.88	2.90	2.92	16125.96	333.159791			1
3.21	3.23	3.25	51592.8	880.271561			2
+ 3.21	3.24	3.25	3372.921	57.548465			2
3.40	3.40	3.44	56217.61	977.195546			3
+ 3.40	3.42	3.44	32364.29	562.568207			3
+ 3.40	3.43	3.44	22699.85	394.577292			3
3.47	3.49	3.51	42951.76	678.978443			4
3.53	3.55	3.57	313641.2	5959.657693			5
+ 3.53	3.57	3.57	253950.5	4825.444013			5
3.64	3.65	3.68	105785.6	1990.492799			6
Height Summation:			**586314.93**				
Amount Avg CF:			**1803.292639**	Linear:			
Aroclor-1221					3	42.76	
2.77	2.79	2.81	10955.23	470.769592			1
+ 2.83	2.83	2.87	2321.043	165.040984			2
2.83	2.85	2.87	2876.143	204.51214			2
2.88	2.90	2.92	16125.96	283.843769			3
Height Summation:			**29957.333**				
Amount Avg CF:			**319.7085**	Linear:			
Aroclor-1232					6	133.82	
2.88	2.90	2.92	16125.96	312.655284			1
3.21	3.23	3.25	51592.8	1989.126231			2
+ 3.21	3.24	3.25	3372.921	130.040735			2
3.40	3.40	3.44	56217.61	2196.232546			3
+ 3.40	3.42	3.44	32364.29	1264.363729			3
+ 3.40	3.43	3.44	22699.85	886.806632			3
3.47	3.49	3.51	42951.76	1628.71395			4
3.53	3.55	3.57	313641.2	17462.020312			5
+ 3.53	3.57	3.57	253950.5	14138.73174			5
3.63	3.65	3.67	105785.6	5142.489508			6
Height Summation:			**586314.93**				
Amount Avg CF:			**4788.539639**	Linear:			
Aroclor-1242					6	129.48	
2.88	2.90	2.92	16125.96	254.43887			1
3.21	3.23	3.25	51592.8	676.186687			2
+ 3.21	3.24	3.25	3372.921	44.206251			2
3.40	3.40	3.44	56217.61	668.546885			3
+ 3.40	3.42	3.44	32364.29	384.880205			3
+ 3.40	3.43	3.44	22699.85	269.94947			3
3.47	3.49	3.51	42951.76	516.645777			4
3.53	3.55	3.57	313641.2	5345.319073			5
+ 3.53	3.57	3.57	253950.5	4328.023395			5
3.63	3.65	3.67	105785.6	1494.351399			6
Height Summation:			**586314.93**				
Amount Avg CF:			**1492.581448**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229387** RI ACF DF100 95A18 ID: AC **Batchnumber: 172780031A**
Sample Amount: 10.12 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:55:01
Instrument : CP25--18274A
Result file : 25PCBS17284001.052.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**60.26**	
4.55	4.56	4.59	104823.9	3411.171867			1
+ 4.55	4.58	4.59	22187.58	722.026644			1
4.61	4.62	4.65	869178.8	14444.583191			2
4.73	4.75	4.77	557851.1	28853.647344			3
4.82	4.84	4.86	518147.4	12606.231336			4
5.02	5.04	5.06	391605	13078.693345			5
5.13	5.15	5.17	1241860	29571.114708			6
Height Summation:			**3683466.2**				
Amount Avg CF:			**16994.240299**	Linear:			
Aroclor-1260					**6**	**35.55**	
4.73	4.75	4.77	557851.1	11799.382959			1
4.93	4.95	4.97	780715.9	14284.212068			2
5.13	5.15	5.17	1241860	18738.866455			3
5.36	5.38	5.40	267122.8	7580.382507			4
5.60	5.62	5.64	767715.9	8729.55057			5
5.80	5.82	5.84	521740	9399.443773			6
Height Summation:			**4137005.7**				
Amount Avg CF:			**11755.306389**	Linear:			
Aroclor-1262					**6**	**35.26**	
5.20	5.22	5.24	246639.9	4469.675994			1
5.36	5.38	5.40	267122.8	5553.91487			2
5.60	5.62	5.64	767715.9	7053.260122			3
5.80	5.82	5.84	521740	7275.164313			4
5.86	5.88	5.90	77393.39	2281.780886			5
6.23	6.25	6.27	197149.5	4804.666487			6
Height Summation:			**2077761.49**				
Amount Avg CF:			**5239.743779**	Linear:			
Aroclor-1268					**6**	**96.55**	
5.80	5.82	5.84	521740	4223.23632			1
5.86	5.88	5.90	77393.39	695.232842			2
5.99	6.01	6.03	4580.355	44.232084			3
+ 6.06	6.06	6.10	17140.77	594.45771			4
6.06	6.09	6.10	128703.9	4463.569938			4
6.23	6.25	6.27	197149.5	4387.116398			5
6.43	6.45	6.47	41908.54	121.80387			6
Height Summation:			**971475.685**				
Amount Avg CF:			**2322.531909**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:55:01
Instrument : CP25--18274B
Result file : 25PCBS17284001B.052.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**79.77**	
3.40	3.40	3.44	56217.61	1931.326064			1
+ 3.40	3.42	3.44	32364.29	1111.857954			1
+ 3.40	3.43	3.44	22699.85	779.841262			1
3.47	3.49	3.51	42951.76	1226.663308			2
3.51	3.53	3.55	194798.9	3393.528624			3
3.64	3.65	3.68	105785.6	1504.848483			4
+ 3.73	3.73	3.77	75393.31	1546.931014			5
3.73	3.74	3.77	78348.34	1607.562754			5
3.86	3.88	3.90	603417.2	7040.454868			6
Height Summation:			**1081519.41**				
Amount Avg CF:			**2784.064017**	Linear:			
Aroclor-1254					**6**	**50.07**	
4.22	4.23	4.26	1765029	13526.433058			1
4.31	4.33	4.35	1464078	23144.874501			2
4.38	4.39	4.42	900781.9	11669.180259			3
4.44	4.46	4.48	1722896	34952.523031			4
4.59	4.61	4.63	554225.5	9879.591064			5
4.67	4.69	4.71	2386866	28031.94412			6
Height Summation:			**8793876.4**				
Amount Avg CF:			**20200.757672**	Linear:			
Aroclor-1260					**6**	**23.28**	
4.31	4.33	4.35	1464078	13232.279108			1
4.44	4.46	4.48	1722896	14516.337373			2
4.55	4.56	4.59	1149523	11665.514869			3
4.89	4.91	4.93	597342	7806.996154			4
5.09	5.10	5.13	1592204	9188.873345			5
5.34	5.36	5.38	1242767	9712.391509			6
Height Summation:			**7768810**				
Amount Avg CF:			**11020.398726**	Linear:			
Aroclor-1262					**6**	**39.85**	
4.70	4.72	4.74	354093.5	2986.069391			1
4.89	4.91	4.93	597342	5326.561615			2
5.08	5.10	5.12	1592204	6806.938239			3
5.30	5.32	5.34	268993.3	2898.236578			4
5.34	5.36	5.38	1242767	7820.913414			5
5.72	5.74	5.76	470453.7	4392.892255			6
Height Summation:			**4525853.5**				
Amount Avg CF:			**5038.601915**	Linear:			
Aroclor-1268					**6**	**124.72**	
5.30	5.32	5.34	268993.3	973.119981			1
5.35	5.36	5.39	1242767	4428.624279			2
5.50	5.52	5.54	59773.32	233.704363			3
5.57	5.59	5.61	3918.69	56.138405			4
5.72	5.74	5.76	470453.7	4187.781416			5
5.92	5.94	5.96	109256.5	107.016824			6
Height Summation:			**2155162.51**				
Amount Avg CF:			**1664.397545**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229387** RI ACF DF100 95A18 ID: AC **Batchnumber: 172780031A**
Sample Amount: 10.12 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:55:01
Instrument : CP25--18274A
Result file : 25PCBS17284001.052.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 06:55:01
Instrument : CP25--18274B
Result file : 25PCBS17284001B.052.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5039.5257	978.2609		** 62.42	4	40	
Aroclor-1221			5039.5257	1511.8577		7.13	3	5	
Aroclor-1232			5039.5257	1215.415		** 74.66	4	10	
Aroclor-1242			5039.5257	1215.415		** 70.79	4	30	
Aroclor-1248			5039.5257	978.2609		24.11	4	40	
Aroclor-1254			5039.5257	1304.3478		17.24	4	40	
Aroclor-1260			5039.5257	1156.1265		6.45	4	40	
Aroclor-1262			5039.5257	978.2609		3.91	4	40	
Aroclor-1268			5039.5257	978.2609		33.01	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229387 RI ACF DF100AC95A18 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:55:01 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.052.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		12100	14056
2.083		4608	5804
2.137		742	450
2.169		5121	3392
2.204		27783	21249
2.329		4636	4224
2.37		1178	2689
2.49		7703	7452
2.529		1246	1161
2.569		839	506
2.635		450	125
2.652		14872	9905
2.711		294	297
2.746		2523	5192
2.895		5936	5601
2.929	TCX	46066	33286
3.021		344	155
3.038		545	260
3.079		4938	5018
3.132		2170	2142
3.178		7605	5808
3.236		2031	1179
3.251		3565	5028
3.355		299	220
3.396		7357	4099
3.413		12512	9359
3.449		641	291
3.464		8529	6151
3.51		27157	19899
3.538		782	594
3.561		1907	979
3.585		21850	17656
3.618		1951	868
3.635		1682	908
3.689		39127	58454
3.727		48626	46508
3.78		18269	14458
3.822		13767	10700
3.851		86701	63750
3.878		91033	66695
3.9		90698	55674
3.973		43990	30498
3.998		41569	29179
4.029		81557	58982
4.06		53890	62455
4.105		13074	12983
4.137		12740	16538
4.187		18279	11883
4.221		170873	120546
4.239		45775	21733
4.265		212448	196360
4.334		135189	115429
4.375		372900	426746
4.41		271259	227683

RT A	Compound A	Height A	Area A
4.45		54644	39575
4.472		29605	20712
4.512		171448	166079
4.563		104824	81489
4.58		22188	10031
4.593		31589	19907
4.625		869179	771894
4.674		189338	214276
4.708		48513	29838
4.749		557851	560017
4.795		81839	74749
4.835		518147	512807
4.869		9962	6197
4.895		160343	156112
4.948		780716	1089005
4.999		73227	64132
5.036		391605	429478
5.08		68633	50536
5.118		97449	126055
5.152		1241860	1291030
5.193		34818	19509
5.219		246640	224187
5.261		176696	186846
5.331		3125	2727
5.356		241013	202344
5.38		267123	221206
5.437		164177	154693
5.475		120615	114908
5.516		10169	13967
5.556		163052	164873
5.59		22586	18638
5.616		767716	740551
5.65		11362	7631
5.701		4194	4012
5.735		1722	1258
5.762		717	508
5.776		1675	1181
5.82		521740	513379
5.851		41310	28686
5.875		77393	87364
5.921		998	701
5.953		4001	4107
5.985		20739	17448
6.012		4580	3365
6.041		1541	1082
6.061		17141	13261
6.09		128704	123176
6.128		850	348
6.156		10196	9457
6.196		857	832
6.218		9930	6756
6.245		197150	196072
6.29		12651	13063
6.344		716	1143
6.364		1168	699
6.403		566	115
6.448		41909	43842
6.507		3518	4425
6.596	DCB	39881	47031
6.632		8414	7310
6.712		729	214
6.762		3140	4158
6.808		396	377
6.823		701	144
6.877		7134	20309
6.994		534	224

LANCASTER LABORATORIES

Sample Number: 9229387 RI ACF DF100AC95A18 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:55:01 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.052.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.045		2932	2787
2.098		2948	5300
2.159		4838	4195
2.191		5523	8968
2.229		2977	4243
2.302		3083	7039
2.363		31173	19698
2.409		2355	1794
2.444		1452	693
2.467		2765	2008
2.537		4386	7320
2.592		1254	823
2.614	TCX	93124	55414
2.659		3284	2391
2.713		4270	6184
2.786		10955	6503
2.806		3008	1817
2.832		2321	2537
2.847		2876	1389
2.899		16126	24438
3.01		6091	6117
3.068		659	126
3.074		801	241
3.085		1519	682
3.106		10506	5041
3.117		20290	12447
3.156		3394	1708
3.177		19339	11038
3.201		1098	391
3.226		51593	32821
3.244		3373	1259
3.263		46927	27917
3.295		785	112
3.31		7736	4473
3.326		7178	3801
3.346		417	147
3.35		1724	693
3.384		77810	60086
3.404		56218	27434
3.419		32364	17178
3.434		22700	8685
3.493		42952	33471
3.527		194799	119913
3.55		313641	177130
3.569		253951	135854
3.627		2472	1783
3.654		105786	64312
3.677		93000	49311
3.697		180979	118901
3.727		75393	39738
3.743		78348	48632
3.781		57168	45818
3.829		57759	59045
3.853		45253	29631

RT B	Compound B	Height B	Area B
3.875		603417	399711
3.9		257407	148170
3.92		233265	130895
3.939		284166	169307
3.974		853876	601839
4.005		583579	371774
4.023		111845	55002
4.044		126255	83468
4.084		91665	71256
4.118		281344	244316
4.139		23695	25856
4.174		372939	280067
4.214		129287	147413
4.234		1765029	1489482
4.272		260431	227891
4.326		1464078	1201309
4.363		175976	152573
4.394		900782	624432
4.418		443647	301405
4.461		1722896	1415932
4.515		28541	21601
4.562		1149523	1140034
4.613		554226	448307
4.653		456159	394168
4.69		2386867	1995379
4.722		354094	261415
4.761		336728	264403
4.819		11660	6996
4.859		69974	43257
4.876		87714	58046
4.91		597342	422599
4.933		513505	368566
4.984		392415	342157
5.019		197450	152590
5.048		128033	101723
5.081		258202	167731
5.103		1592204	1224787
5.144		32771	21547
5.176		52635	44691
5.219		2019	1546
5.24		10266	7366
5.272		3184	2470
5.295		10059	6056
5.317		268993	219395
5.36		1242767	1231732
5.421		4100	4308
5.46		3315	2250
5.515		59773	49956
5.546		4084	2374
5.562		43364	30443
5.586		3919	2218
5.607		112649	79473
5.634		192206	152960
5.676		9303	9847
5.713		31116	20561
5.74		470454	383438
5.772		28611	21315
5.799		1433	665
5.827		3377	3340
5.884		1419	4468
5.901		1239	584
5.913		1302	517
5.938		109257	94767
5.983		3276	3655
6.019		2433	1980
6.05		2792	2219

RT B	Compound B	Height B	Area B
6.076		5853	3961
6.097	DCB	102087	84154
6.133		23899	18671
6.164		9050	11638
6.228		4982	6865
6.247		1992	827
6.3		7103	6435
6.338		1245	990
6.41		3407	4873
6.441		1203	1791
6.467		3416	3848
6.515		3375	6548
6.572		3224	3461
6.6		3676	2705
6.63		3361	3284
6.65		818	243
6.675		1237	1235
6.706		1692	1545
6.741		991	669
6.781		1200	2155
6.796		1195	958
6.824		3370	4095
6.867		1025	1907
6.89		1010	777
6.924		1368	596
6.937		1292	579

9229387 RI ACF DF100AC95A18 T 172780031A 10225 SW-846 8082

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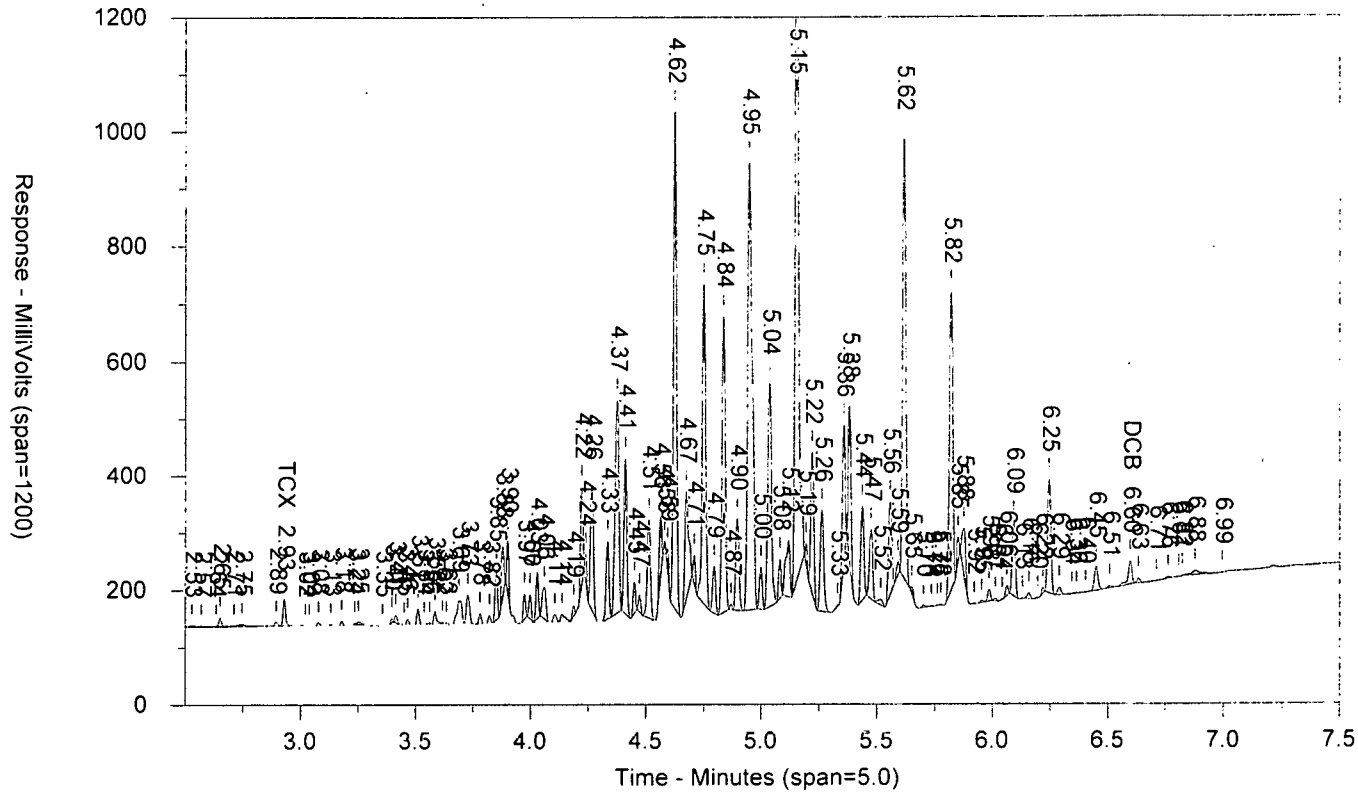

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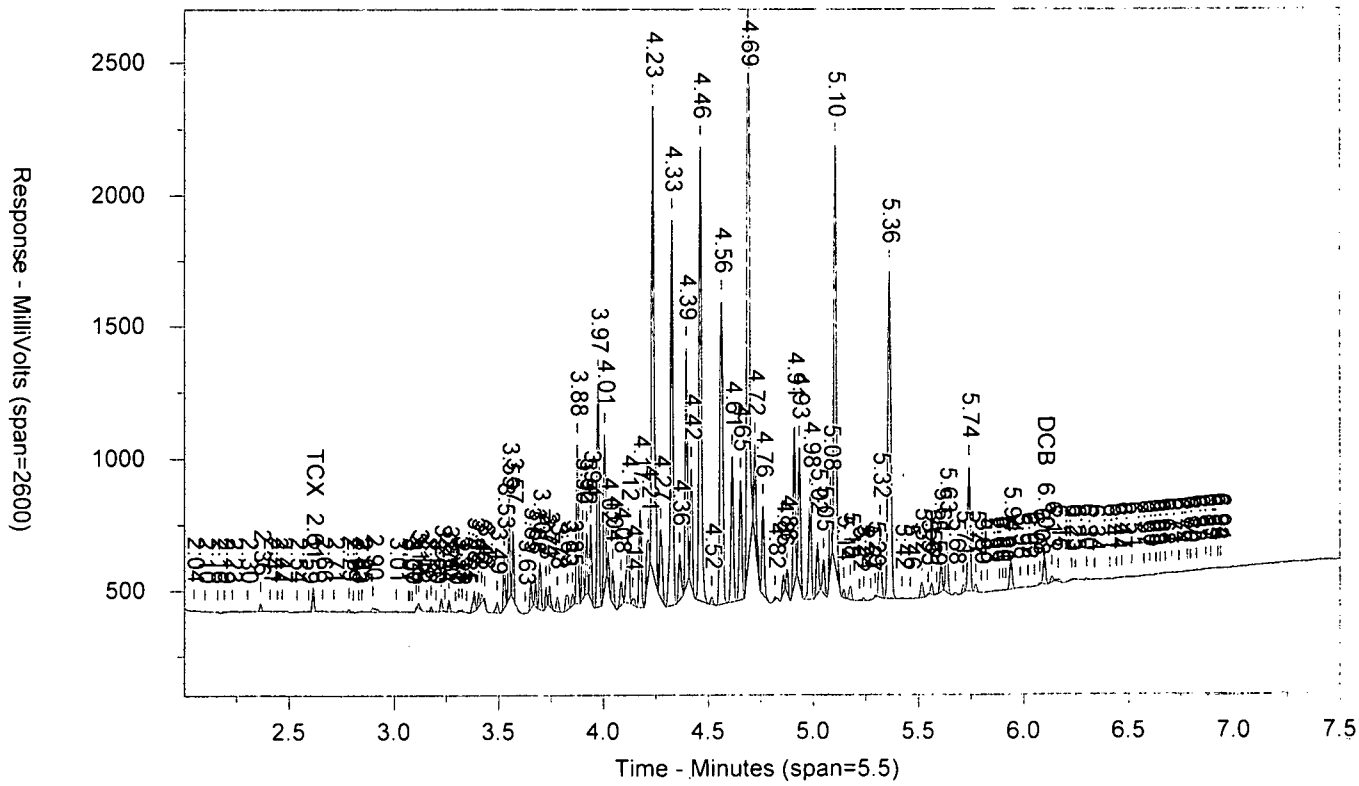

LANCASTER LABORATORIES

Sample Number: 9229387 RI ACF DF100AC95A18 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:55:01 AM Sample Weight: 10.12
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
2.929	46066	30.171	TCX	2.614	93124	33.777	TCX
6.596	39881	40.883	DCB	6.097	102087	33.322	DCB

Files:
Area File: 25PCBS17284001.052.RAW
Area File: 25PCBS17284001B.052.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:26 PM
File Reported On: 10/12/2017 at 4:31:49 PM

9229387 RI ACF DF100AC95A18 T 172780031A 10225 SW-846 8082

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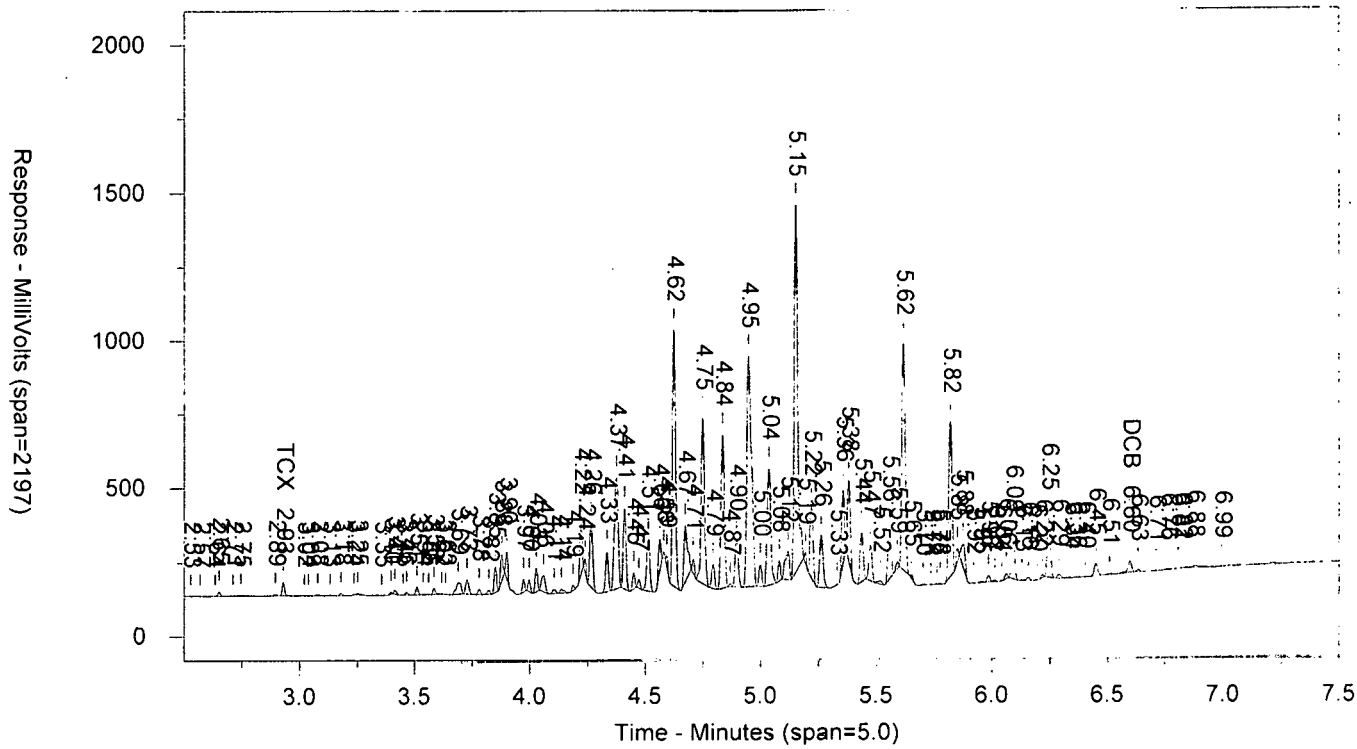

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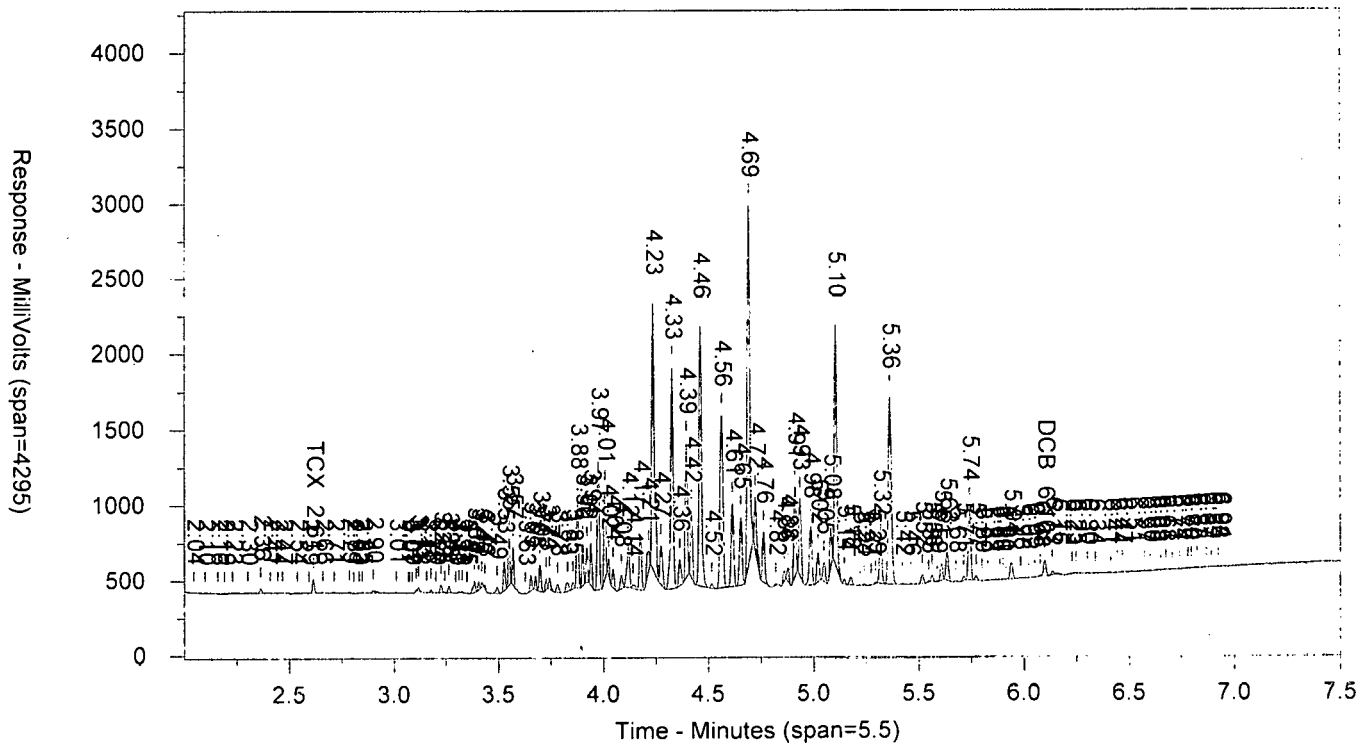

9229387 RI ACF DF100AC95A18 T 172780031A 10225 SW-846 8082

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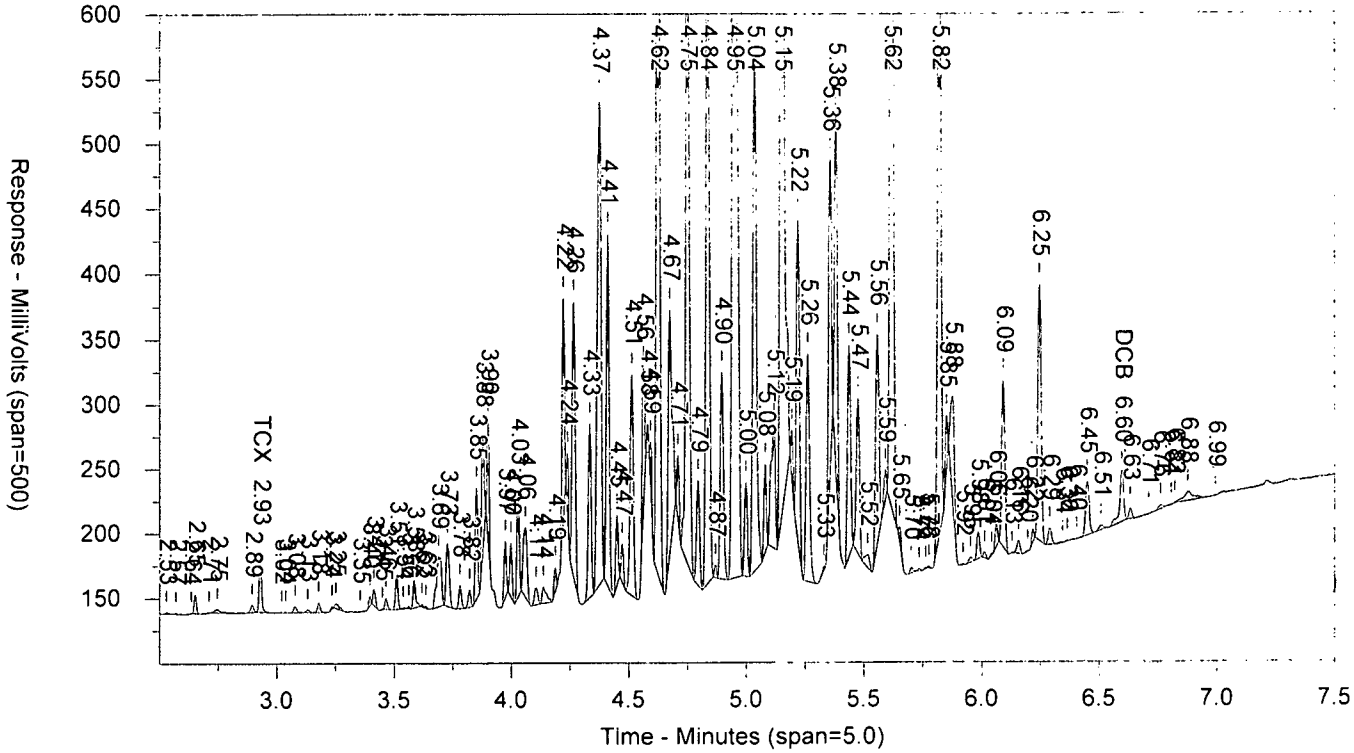

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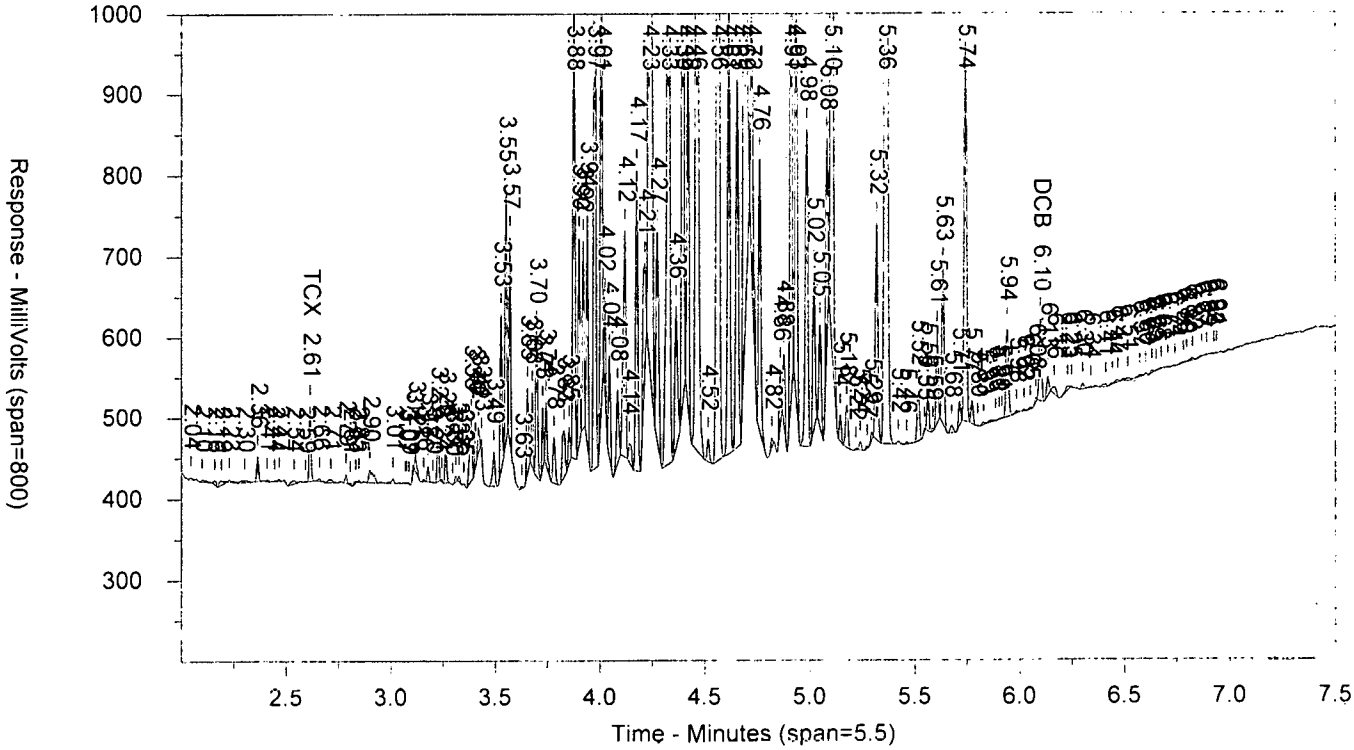

Standards Data

Polychlorinated Biphenyls (PCBs)

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20PCBs17275001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 34

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	
5 IBLKX1724B	5	PIBLK	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727499999	10736
6 EVALX1724A	6	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
7 AR1611724B	7	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	1	1727499999	10736
8 AR1621724B	8	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	2	1727499999	10736
9 AR1631724B	9	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	3	1727499999	10736
10 AR1641724B	10	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	4	1727499999	10736
11 AR1651724B	11	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	5	1727499999	10736
12 AR1661724A	12	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	6	1727499999	10736
13 AR4811724C	13	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
14 AR4821724C	14	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
15 AR4831724C	15	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
16 AR4841724C	16	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
17 AR4851724C	17	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
18 AR4861724B	18	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
19 AR5411724C	19	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
20 AR5421724C	20	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
21 AR5431724C	21	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
22 AR5441724C	22	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
23 AR5451724C	23	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
24 AR5461724B	24	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
25 AR6231724A	25	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
26 AR6831724B	26	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
27 AR2131724A	27	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
28 AR3241724A	28	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
29 AR4231724A	29	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
30 AR16XX1724B	30	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
31 MD16X1724B	31	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
32 IC16X1724C	32	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
33 IC48X1724B	33	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736
34 IC54X1724B	34	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727499999	10736

23ae 10/3/17

Set-up by: 2855 Date: 20ct 17

10/2/2017

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20PCBS17278001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 51

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	
5 IBLKX1724B	5	PIBLK	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727799999	10736
6 EVALX1724A	6	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
7 AR1611724B	7	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	1	1727799999	10736
8 AR1621724B	8	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	2	1727799999	10736
9 AR1631724B	9	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	3	1727799999	10736
10 AR1641724B	10	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	4	1727799999	10736
11 AR1651724B	11	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	5	1727799999	10736
12 AR1661724A	12	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	6	1727799999	10736
13 AR4811724C	13	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
14 AR4821724C	14	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
15 AR4831724C	15	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
16 AR4841724C	16	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
17 AR4851724C	17	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
18 AR4861724B	18	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
19 AR5411724C	19	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
20 AR5421724C	20	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
21 AR5431724C	21	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
22 AR5441724C	22	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
23 AR5451724C	23	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
24 AR5461724B	24	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
25 AR6231724A	25	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
26 AR6831724B	26	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
27 AR2131724A	27	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
28 AR3241724A	28	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
29 AR4231724A	29	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
30 AR16XX1724B	30	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
31 MD16X1724B	31	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
32 IC16X1724C	32	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
33 IC48X1724B	33	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
34 IC54X1724B	34	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
35 9239339 RI ACF	35	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.5	10	1	0	172760017A	10885
36 9239341 RI ACF	36	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.4	10	1	0	172760017A	10885
37 9239345 RI ACF	37	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.3	10	1	0	172760017A	10885
38 BLANKA 10/3/17 RI ACF	38	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	15.3	10	1	0	172760019A	13713
39 LCSA 10/3/17 RI ACF	39	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	15.5	10	1	0	172760019A	13713
40 LCSDA 10/3/17 RI ACF	40	LCSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	15.2	10	1	0	172760019A	13713
41 9174375R RI ACF	41	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	15.2	10	1	0	172760019A	13713
42 AR1641724B	42	CCAL	IO	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736
43 IBLKX1724B	43	PIBLK	NN	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727799999	10736
44 9229374 ACF DF1000	44	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.01	10000	1	0	172760009A	10225
45 9229371 ACF DF200	45	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.09	2000	1	0	172760009A	10225
46 9229371 ACF DF500	46	T	AF	EPT-24\ACTIVE\CP20\20PCBS.MET	10.09	5000	1	0	172760009A	10225
47 9229371 ACF DF1000	47	T	AG	EPT-24\ACTIVE\CP20\20PCBS.MET	10.09	10000	1	0	172760009A	10225
48 9229368 RI ACF DF100	48	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.12	1000	1	0	172760009A	10225
49 9229368 ACF DF500	49	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.12	5000	1	0	172760009A	10225
50 AR1641724B	50	CCAL	IP	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727799999	10736

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20PCBS17278001.seq
Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20
Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20
Number of Entries: 51

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51	IBLKX1724B	51	PIBLK	NO	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727799999	10736

DB12669
10/5/17

Set-up by: 2855 Date: 5oct17
10/5/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17284001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 102

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	
5 IBLKX1724B	5	PIBLK	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225
6 EVALX1724A	6	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
7 AR1611724B	7	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	1	1728399999	10225
8 AR1621724B	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	2	1728399999	10225
9 AR1631724B	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	3	1728399999	10225
10 AR1641724B	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	4	1728399999	10225
11 AR1651724B	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	5	1728399999	10225
12 AR1661724A	12	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	6	1728399999	10225
13 AR4811724C	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
14 AR4821724C	14	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
15 AR4831724C	15	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
16 AR4841724C	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
17 AR4851724C	17	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
18 AR4861724B	18	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
19 AR5411724C	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
20 AR5421724C	20	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
21 AR5431724C	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
22 AR5441724C	22	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
23 AR5451724C	23	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
24 AR5461724B	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
25 AR2131724A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
26 AR3241724A	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
27 AR4231724A	27	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
28 AR6231724A	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
29 AR6831724B	29	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
30 AR16XX1724B	30	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
31 MD16X1724B	31	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
32 IC16X1724C	32	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
33 IC48X1724B	33	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
34 IC54X1724B	34	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
35 BLANKA 10/6/17 RI AC	35	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172780030A	10592
36 LCSA 10/6/17 RI ACF	36	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172780030A	10592
37 9228481 RI ACF	37	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.36	10	1	0	172780030A	10592
38 9228494 RI ACF	38	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	25.09	10	1	0	172780030A	10592
39 9240540 RI ACF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.5	10	1	0	172780030A	10592
40 9240543 RI ACF	40	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	10	1	0	172780030A	10592
41 9240546 RI ACF	41	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.48	10	1	0	172780030A	10592
42 9240554 RI ACF	42	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	10	1	0	172780030A	10592
43 9240554MS RI ACF	43	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	10	1	0	172780030A	10592
44 9240554MSD RI ACF	44	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	10	1	0	172780030A	10592
45 9240557 RI ACF	45	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	10	1	0	172780030A	10592
46 BLANKA 10/6/17 RI AC	46	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172780031A	10225
47 LCSA 10/6/17 RI ACF	47	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172780031A	10225
48 9229385 RI ACF DF500	48	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.23	5000	1	0	172780031A	10225
49 9229385MS ACF DF500	49	MS	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	5000	1	0	172780031A	10225
50 9229385MSD ACF DF50	50	MSD	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.5	5000	1	0	172780031A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17284001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 102

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51 9229386 RI ACF DF200	51	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.32	200000	1	0	172780031A	10225
52 9229387 RI ACF DF100	52	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.12	1000	1	0	172780031A	10225
53 9229388 RI ACF DF500	53	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.09	5000	1	0	172780031A	10225
54 9229389 RI ACF DF200	54	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.12	20000	1	0	172780031A	10225
55 AR1641724B	55	CCAL	LB	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
56 IBLKX1724B	56	PIBLK	SA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225
57 9229390 RI ACF DF200	57	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.36	2000	1	0	172780031A	10225
58 9229391 RI ACF DF500	58	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.19	50000	1	0	172780031A	10225
59 9229392 RI ACF DF100	59	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	10000	1	0	172780031A	10225
60 9229393 RI ACF DF100	60	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.11	10000	1	0	172780031A	10225
61 9229394 RI ACF DF100	61	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.09	10000	1	0	172780031A	10225
62 9229395 RI ACF DF200	62	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.41	20000	1	0	172780031A	10225
63 9229396 RI ACF DF10	63	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.17	100	1	0	172780031A	10225
64 9229396 RI ACF DF20	64	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.17	200	1	0	172780031A	10225
65 9229397 ACF DF200	65	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	2000	1	0	172780031A	10225
66 9229397 ACF DF500	66	T	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	5000	1	0	172780031A	10225
67 9229398 RI ACF DF500	67	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	5000	1	0	172780031A	10225
68 9229399 RI ACF DF500	68	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.29	5000	1	0	172780031A	10225
69 BLANKA 10/7/17 RI AC	69	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172790013A	10225
70 LCSA 10/7/17 RI ACF	70	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172790013A	10225
71 9229422 RI ACF DF50	71	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.42	500	1	0	172790013A	10225
72 9229423MS RI ACF DF5	72	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.16	500	1	0	172790013A	10225
73 9229424MSD RI ACF DF	73	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	500	1	0	172790013A	10225
74 9229425 RI ACF DF50	74	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	500	1	0	172790013A	10225
75 9229426 ACF DF10	75	T	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	100	1	0	172790013A	10225
76 AR1641724B	76	CCAL	LC	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
77 IBLKX1724B	77	PIBLK	SB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225
78 9229426 ACF DF20	78	T	AG	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	200	1	0	172790013A	10225
79 9229427 ACF DF100	79	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.15	1000	1	0	172790013A	10225
80 9229427 ACF DF200	80	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.15	2000	1	0	172790013A	10225
81 9229428 RI ACF DF50	81	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	500	1	0	172790013A	10225
82 9229429 ACF DF50	82	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.02	500	1	0	172790013A	10225
83 9229430 RI ACF DF100	83	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	1000	1	0	172790013A	10225
84 9229430 ACF DF200	84	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	2000	1	0	172790013A	10225
85 9229450 RI ACF DF50	85	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.05	500	1	0	172790013A	10225
86 9229451 RI ACF DF50	86	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.12	500	1	0	172790013A	10225
87 9229452 RI ACF DF200	87	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.4	2000	1	0	172790013A	10225
88 9229453 RI ACF DF100	88	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.49	1000	1	0	172790013A	10225
89 9229454 RI ACF DF50	89	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	500	1	0	172790013A	10225
90 9229455 RI ACF DF50	90	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	500	1	0	172790013A	10225
91 9229456 RI ACF DF100	91	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	1000	1	0	172790013A	10225
92 9229457 RI ACF DF50	92	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	500	1	0	172790013A	10225
93 9229458 RI ACF DF50	93	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	500	1	0	172790013A	10225
94 9229459 RI ACF DF50	94	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	500	1	0	172790013A	10225
95 9229460 RI ACF	95	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.01	10	1	0	172790013A	10225
96 AR1641724B	96	CCAL	LD	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
97 IBLKX1724B	97	PIBLK	SC	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225
98 9229460 RI ACF DF5	98	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.01	50	1	0	172790013A	10225
99 9229461 RI ACF DF50	99	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.07	500	1	0	172790013A	10225
100 9229462 RI ACF DF20	100	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.14	200	1	0	172790013A	10225

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Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17284001.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 102

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101 AR1641724B	101	CCAL	LE	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
102 IBLKX1724B	102	PIBLK	SD	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225

D612669
10/12/17

Set-up by: [illegible] Date: 12OCT17

10/12/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20PCBs17275004.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 105

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	
5 AR1641724B	5	CCAL	IC	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	10736
6 IBLKX1724B	6	PIBLK	MV	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727699999	10736
7 BLANKA 10/4/17 ACF	7	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3	10	1	0	172760031A	10885
8 LCSA 10/4/17 ACF	8	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3	10	1	0	172760031A	10885
9 9240972R RI ACF	9	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.3	10	1	0	172760031A	10885
10 9240972RMS ACF	10	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.1	10	1	0	172760031A	10885
11 9240972RMSD ACF	11	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.5	10	1	0	172760031A	10885
12 9240973R RI ACF	12	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.3	10	1	0	172760031A	10885
13 9242565 ACF DF10	13	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	3.11	100	1	0	172760031A	10885
14 9242566 ACF DF10	14	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	3.19	100	1	0	172760031A	10885
15 9242567 ACF DF10	15	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	3.28	100	1	0	172760031A	10885
16 9242568 RI ACF	16	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.18	10	1	0	172760031A	10885
17 9242569 RI ACF	17	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.07	10	1	0	172760031A	10885
18 9242570 RI ACF	18	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.04	10	1	0	172760031A	10885
19 9242571 RI ACF	19	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.38	10	1	0	172760031A	10885
20 9242572 ACF DF5	20	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	3.35	50	1	0	172760031A	10885
21 9242573 ACF DF5	21	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	3.2	50	1	0	172760031A	10885
22 9242574 RI ACF	22	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.42	10	1	0	172760031A	10885
23 9242575 RI ACF	23	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.11	10	1	0	172760031A	10885
24 9242576 RI ACF	24	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.2	10	1	0	172760031A	10885
25 9242577 RI ACF	25	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	3.08	10	1	0	172760031A	10885
26 9242578 ACF DF10	26	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	3.27	100	1	0	172760031A	10885
27 AR1641724B	27	CCAL	ID	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	10736
28 IBLKX1724B	28	PIBLK	MW	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727699999	10736
29 9242579 ACF DF5	29	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	3.22	50	1	0	172760031A	10885
30 BLANKA 10/4/17 ACF	30	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	172760017A	10885
31 LCSA 10/4/17 ACF	31	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	172760017A	10885
32 AR1641724B	32	CCAL	IE	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	10736
33 IBLKX1724B	33	PIBLK	MX	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727699999	10736
34 9208403 ACF DF20	34	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	1	200	1	0	172760017A	10885
35 9208403 ACF DF50	35	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	1	500	1	0	172760017A	10885
36 9208403 ACF DF100	36	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1000	1	0	172760017A	10885
37 9225484 RI ACF	37	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.4	10	1	0	172760017A	10885
38 9234697 RI ACF	38	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	10	1	0	172760017A	10885
39 9234701 RI ACF	39	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	10	1	0	172760017A	10885
40 9234701MS ACF	40	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	10	1	0	172760017A	10885
41 9234701MSD ACF	41	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	10	1	0	172760017A	10885
42 9235476 RI ACF	42	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.11	10	1	0	172760017A	10885
43 9239338 RI ACF	43	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.5	10	1	0	172760017A	10885
44 AR1641724B	44	CCAL	IF	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	10736
45 IBLKX1724B	45	PIBLK	MY	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727699999	10736
46 9239339 RI ACF	46	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.5	10	1	0	172760017A	10885
47 9239341 RI ACF	47	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.4	10	1	0	172760017A	10885
48 9239345 RI ACF	48	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.3	10	1	0	172760017A	10885
49 9239368 RI ACF	49	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.13	10	1	0	172760017A	10885
50 9241074 RI ACF	50	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.4	10	1	0	172760017A	10885

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20PCBs17275004.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 105

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 AR1641724B	51	CCAL	IG	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	10736
52 IBLKX1724B	52	PIBLK	MZ	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727699999	10736
53 BLANKA 10/3/17 ACF	53	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	15.3	10	1	0	172760019A	13713
54 LCSA 10/3/17 ACF	54	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	15.5	10	1	0	172760019A	13713
55 LCSDA 10/3/17 ACF	55	LCSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	15.2	10	1	0	172760019A	13713
56 9174375R ACF	56	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	15.2	10	1	0	172760019A	13713
57 BLANKA 10/3/17 ACF	57	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	172760009A	10225
58 LCSA 10/3/17 ACF	58	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	172760009A	10225
59 AR1641724B	59	CCAL	IH	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	10736
60 IBLKX1724B	60	PIBLK	NA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727699999	10736
61 9229260 ACF DF10	61	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.2	100	1	0	172760009A	10225
62 9229261 ACF DF500	62	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.16	5000	1	0	172760009A	10225
63 9229262 ACF DF500	63	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.29	5000	1	0	172760009A	10225
64 9229283 ACF DF10	64	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.17	100	1	0	172760009A	10225
65 9229285 ACF DF200	65	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.04	2000	1	0	172760009A	10225
66 9229368 ACF DF100	66	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.12	1000	1	0	172760009A	10225
67 9229369 ACF DF500	67	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.14	5000	1	0	172760009A	10225
68 9229370 ACF DF20	68	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.3	200	1	0	172760009A	10225
69 9229371 RI ACF	69	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.09	10	1	0	172760009A	10225
70 9229372 ACF DF50	70	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.2	500	1	0	172760009A	10225
71 9229373 ACF DF20	71	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.26	200	1	0	172760009A	10225
72 9229374 ACF DF500	72	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.01	5000	1	0	172760009A	10225
73 9229375 ACF DF200	73	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.44	2000	1	0	172760009A	10225
74 9229375 ACF DF500	74	T	AF	EPT-24\ACTIVE\CP20\20PCBS.MET	10.44	5000	1	0	172760009A	10225
75 9229376 ACF DF2000	75	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.4	20000	1	0	172760009A	10225
76 9229377 RI ACF DF1000	76	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.21	10000	1	0	172760009A	10225
77 9229377 ACF DF2000	77	T	AF	EPT-24\ACTIVE\CP20\20PCBS.MET	10.21	20000	1	0	172760009A	10225
78 9229378 ACF DF50	78	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.23	500	1	0	172760009A	10225
79 9229379MS ACF DF50	79	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.25	500	1	0	172760009A	10225
80 9229380MSD ACF DF50	80	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.48	500	1	0	172760009A	10225
81 AR1641724B	81	CCAL	II	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	10736
82 IBLKX1724B	82	PIBLK	NB	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727699999	10736
83 9229381 ACF DF100	83	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.1	1000	1	0	172760009A	10225
84 9229382 ACF DF200	84	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.33	2000	1	0	172760009A	10225
85 9229383 ACF DF5000	85	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	50000	1	0	172760009A	10225
86 9229384 ACF DF50	86	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.09	500	1	0	172760009A	10225
87 BLANKA 10/4/17 ACF	87	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	172760015A	10736
88 LCSA 10/4/17 ACF	88	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	172760015A	10736
89 AR1641724B	89	CCAL	IJ	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	10736
90 IBLKX1724B	90	PIBLK	NC	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727699999	10736
91 9228912 RI ACF	91	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.4	10	1	0	172760015A	10736
92 9228912 ACF DF5	92	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.4	50	1	0	172760015A	10736
93 9228912MS ACF	93	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	172760015A	10736
94 9228912MS ACF DF5	94	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30	50	1	0	172760015A	10736
95 9228912MSD ACF	95	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.5	10	1	0	172760015A	10736
96 9228912MSD ACF DF5	96	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.5	50	1	0	172760015A	10736
97 9239571 RI ACF	97	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.2	10	1	0	172760015A	10736
98 9239571 ACF DF5	98	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.2	50	1	0	172760015A	10736
99 9239575 RI ACF	99	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	10	1	0	172760015A	10736
100 9239575 ACF DF5	100	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	50	1	0	172760015A	10736

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20PCBs17275004.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 105

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101 9241612 RI ACF	101	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	10	1	0	172760015A	10736
102 9241612 ACF DF5	102	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	50	1	0	172760015A	10736
103 9241612 ACF DF10	103	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	100	1	0	172760015A	10736
104 AR1641724B	104	CCAL	IK	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1727699999	10736
105 IBLKX1724B	105	PIBLK	ND	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1727699999	10736

JE11173 10/5/17

Set-up by: 2855 Date: 4oct17

10/4/2017

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1727499999 10736 SW-846 8082
Injected On: 10/2/2017 8:48:53 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.005.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.037		3186	7385
2.07		7097	14439
2.21		16717	13665
2.309		29329	24332
2.5		1164	4705
2.516		1581	1021
2.698		692	1570
2.721		1381	1722
2.758		28910	26156
2.84		3184	4451
2.909	TCX	3823843	2501172
3.106		46409	30497
3.236		9471	7239
3.362		1064	1077
3.476		1836	2151
3.546		8953	6344
3.601		1399	4531
3.648		4791	5814
3.748		1562	1245
3.909		1118	2167
4.141		3871	9107
4.224		1186	1230
4.245		1781	1887
4.453		777	811
4.57		1473	2067
4.847		1120	1209
4.969		904	3918
5.086		1360	1267
5.296		1005	2303
5.385		1785	1940
5.615		3440	5193
5.697		12604	18005
5.988		10117	10870
6.052		7563	9744
6.222		3164	25367
6.275		2147	1940
6.428		17004	15928
6.457		4073	4115
6.576	DCB	2424522	2629916
7.019		1675	1303
7.148		1025	3324
7.885		976	2279
8.52		6661	15144

LANCASTER LABORATORIES

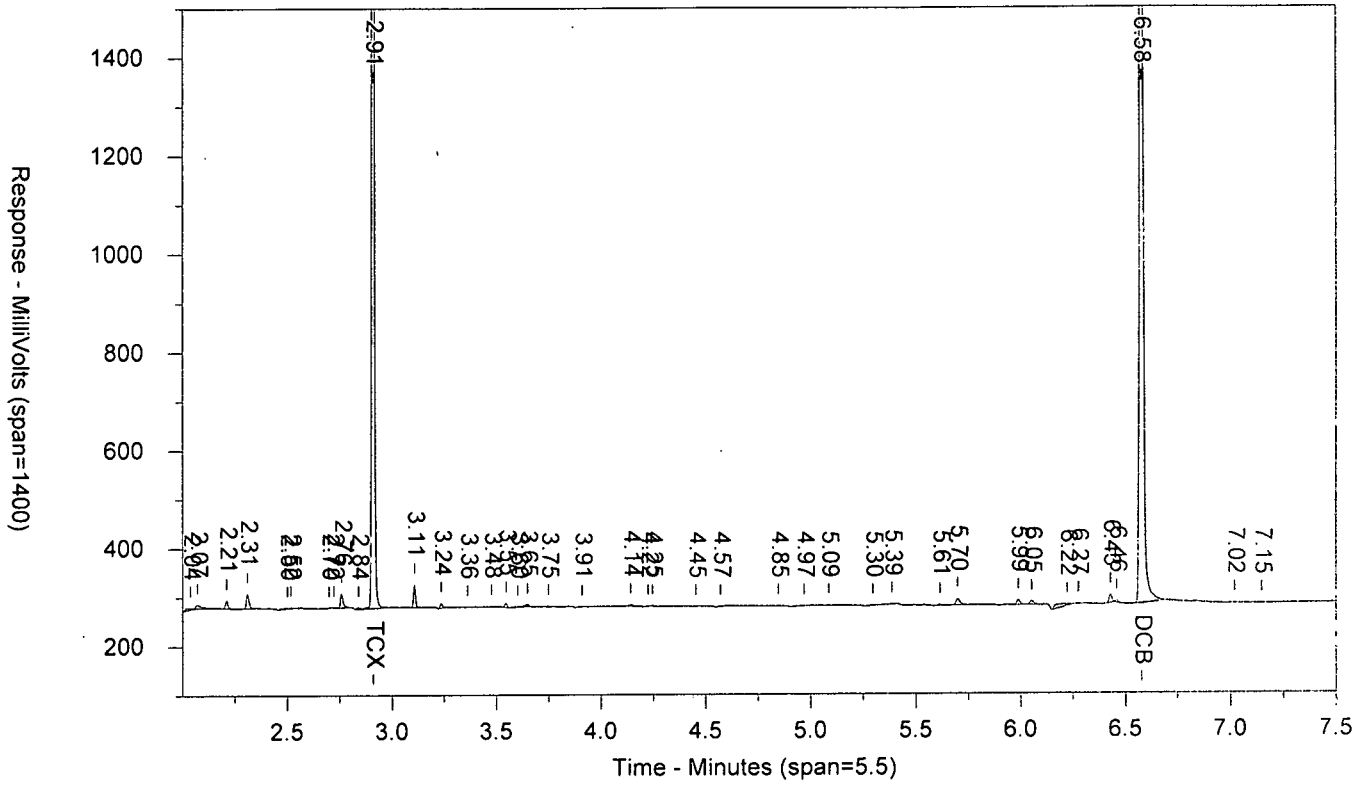
Sample Number: IBLKX1724B AAPIBLKAA PIBLK1727499999 10736 SW-846 8082
Injected On: 10/2/2017 8:48:53 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.005.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.046		2433	2930
2.08		19883	20094
2.133		7102	31129
2.158		6601	9223
2.199		2647	2284
2.333		6353	10965
2.452		11098	19850
2.471		122354	107934
2.535	TCX	12504730	8126196
2.7		13499	31969
2.752		240881	176579
2.868		47594	32122
3.037		3942	9324
3.046		1431	659
3.074		1152	207
3.091		1056	228
3.11		8106	6481
3.14		2226	484
3.157		1410	432
3.196		1250	958
3.211		48852	27943
3.25		23503	27976
3.303		14090	22801
3.332		4786	3537
3.372		5027	3382
3.517		18252	14269
3.568		9758	30237
3.708		2555	2304
3.812		11909	33130
3.853		15890	16757
3.983		4719	3975
4.06		10596	18588
4.244		1712	1357
4.335		5632	12554
4.379		2170	1635
4.447		1516	997
4.48		1900	757
4.559		14601	19187
4.661		1792	27445
4.74		10725	20190
4.929		2055	10764
4.944		4773	4964
5.069		11149	11334
5.19		3170	3641
5.234		49832	98164
5.299		5818	15871
5.412		46914	50500
5.48		33987	35525
5.53		2975	1709
5.794		2633	2055
5.84		83825	116259
5.998		8676269	10276130
6.457		6791	7483
6.632		4548	5465

RT B	Compound B	Height B	Area B
7.123		2094	3553
7.394		2922	3919
7.445		3254	4927
7.504		2070	2332
7.617		3473	5729
7.681		3805	5255
7.91		2732	3969
8.01		21067	38184
8.06		2463	2716
8.159		2047	1123
8.556		1747	3960

IBLKX1724B AAPIBLKAA PIBLK1727499999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.005.RAW



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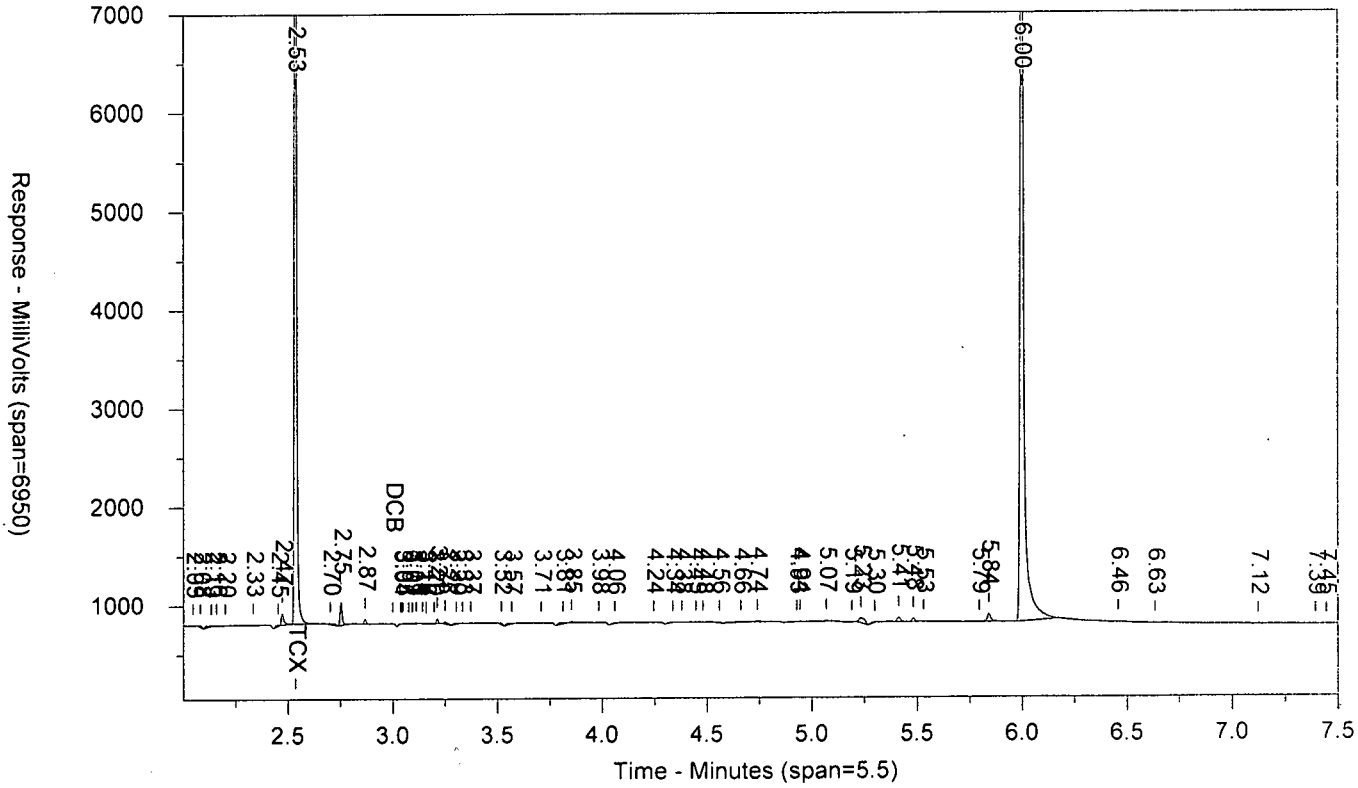

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1727499999 10736 SW-846 8082
Injected On: 10/2/2017 8:48:53 PM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	3823843	.2	TCX	2.535	12504730	.186	TCX
6.576	2424522	.189	DCB		0		DCB

Files:
Area File: 20PCBs17275001.005.RAW
Area File: 20PCBs17275001B.005.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 8:57:34 PM
File Reported On: 10/3/2017 at 6:23:51 PM

IBLKX1724B AAPIBLKAA PIBLK1727499999 10736 SW-846 8082

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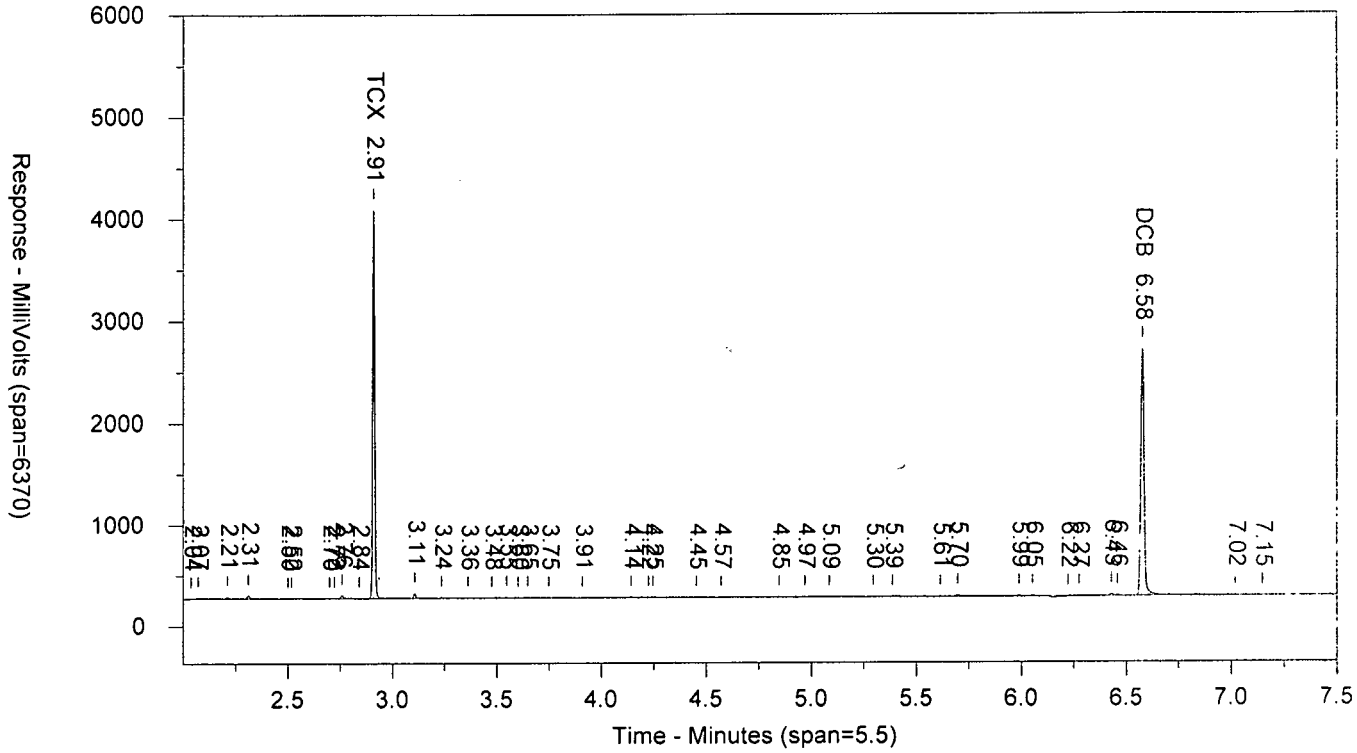

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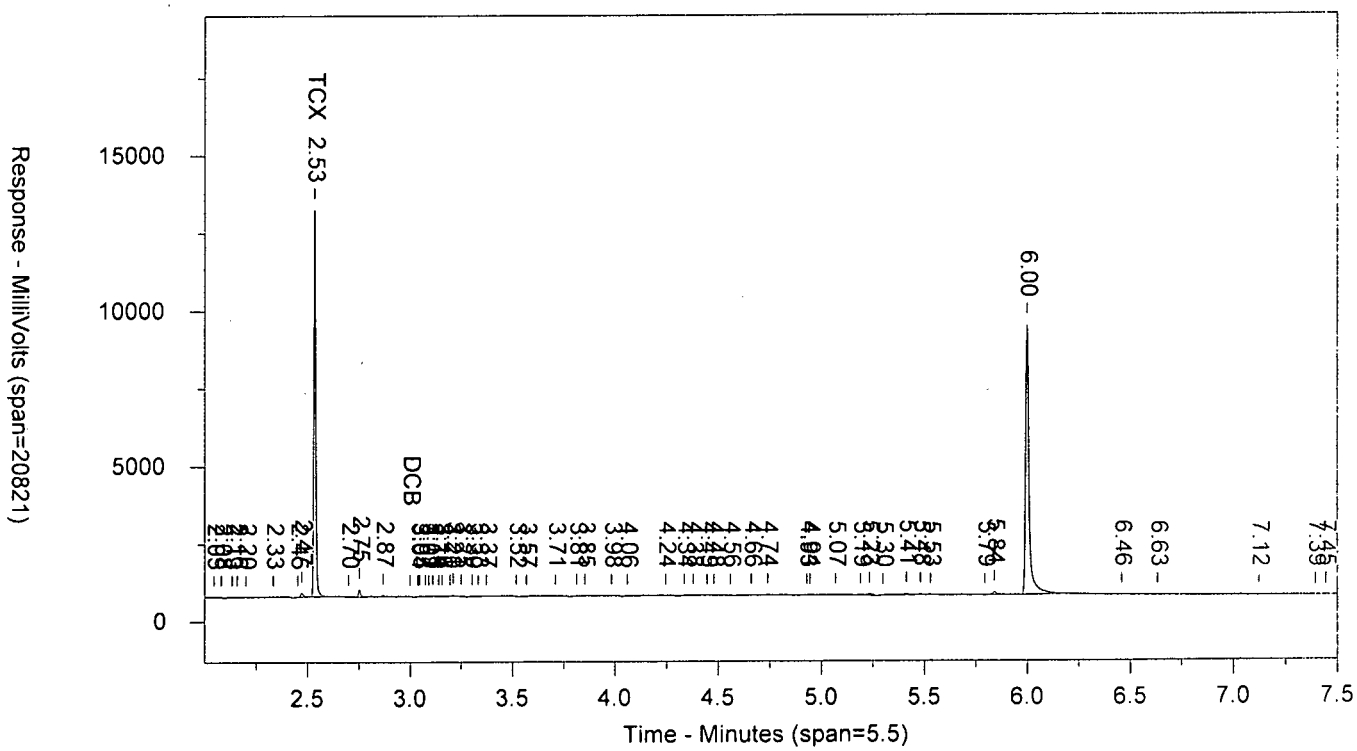

IBLKX1724B AAPIBLKAA PIBLK1727499999 10736 SW-846 8082

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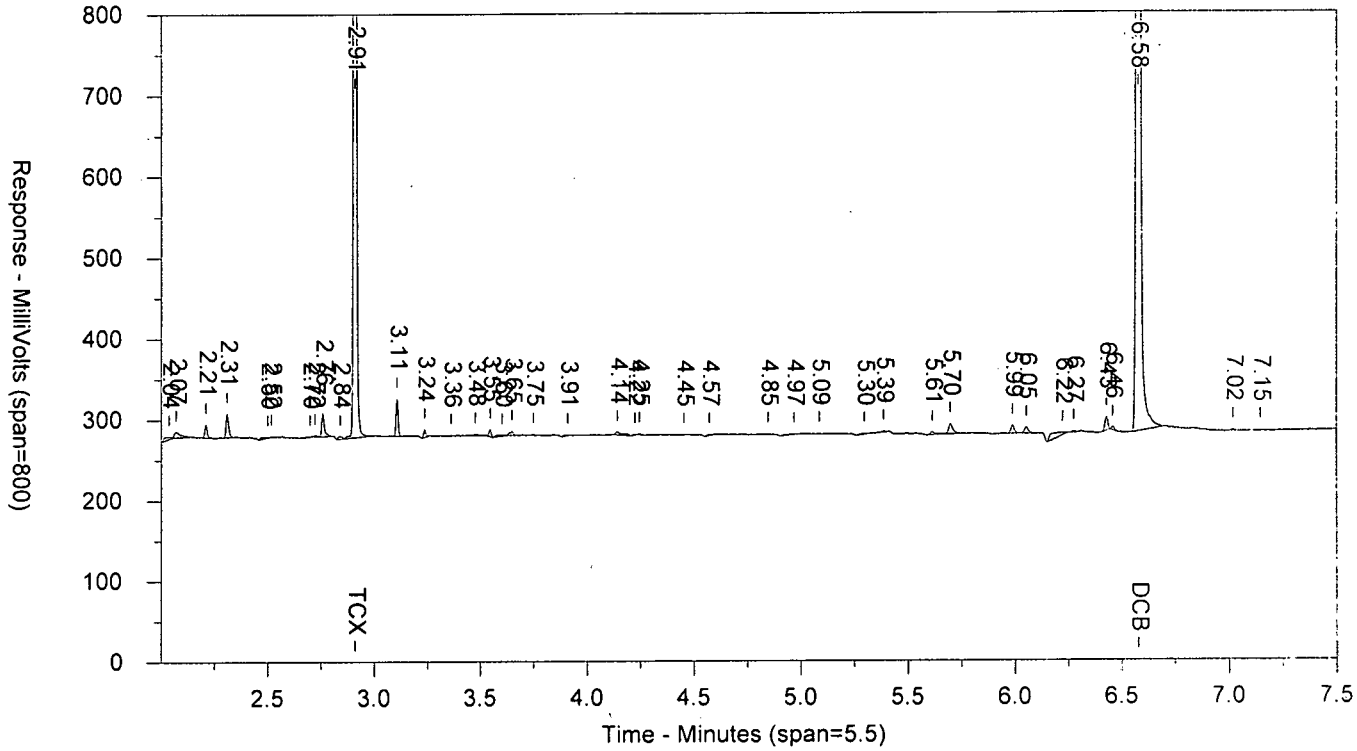

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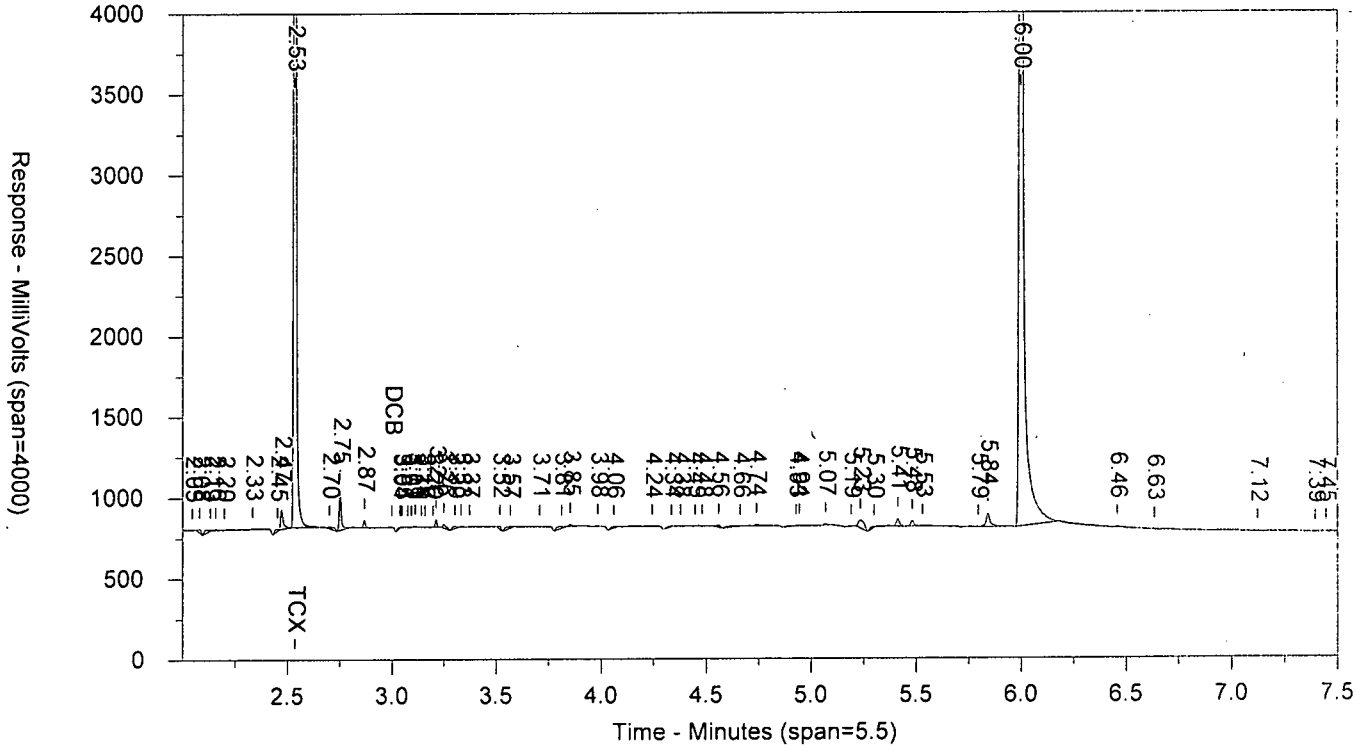

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:00:21 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.006.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.035		2504	5418
2.066		4246	5585
2.111		8211	7150
2.21		15901	12274
2.317		37907	42480
2.435		3179	4117
2.487		58487	44935
2.525		2614	3036
2.667		1130	1204
2.73		1047	1692
2.759		9388	7357
2.84		4145	6261
2.91	TCX	3678382	2439645
2.999		1765	1782
3.107		45679	30472
3.188		2909337	1793171
3.237		10058	8622
3.29		2822	1778
3.385		2243048	1421550
3.42		2633	1759
3.498		919122	601806
3.548		6585	4189
3.573		3627	6957
3.652		6075	6237
3.673		29171	19430
3.697		5890	3696
3.748		1530	929
3.788		85932	66991
3.815		4787	4056
3.898		2822	2583
4.024		5302	3862
4.056		13076	11626
4.103		2399	2244
4.141		54448	43017
4.177		29469	19973
4.194		30588	18239
4.224		1535	1336
4.315		3034	2929
4.351		441413	397583
4.434		2939	2173
4.469		4869	5483
4.503		22485	19407
4.542		54237	44192
4.615		4830	4367
4.667		314358	349666
4.768		281372	265776
4.804		4357806	3933535
4.909		634154	660692
4.994		51748	60806
5.058		699039	675523
5.114		4856	3397
5.145		4216187	3782313
5.222		26509	31797
5.285		2215	5567

RT A	Compound A	Height A	Area A
5.369		57697	53367
5.387		7054	3094
5.399		22573	25276
5.457		28733	24836
5.508		4184593	4000737
5.548		89385	65599
5.588		1285262	1250674
5.99		12247	13459
6.054		9832	11269
6.227		1440	3651
6.431		20637	22347
6.58	DCB	2466179	2666627
7.032		1630	2301
7.72		2548	4247
8.523		5827	14107

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:00:21 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.006.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.077		150693	124442
2.112		17014	18377
2.128		10767	6759
2.158		6240	8826
2.191		4159	4791
2.243		259638	181440
2.292		8062	5668
2.331		4231	2935
2.385		2289	2986
2.471		58707	107518
2.535	TCX	12234090	7925529
2.626		9103	4226
2.64		8901	4080
2.7		8869	7095
2.722		13512	8647
2.752		239069	186958
2.81		8068	7270
2.881		10565880	6291745
2.982		3395	2023
2.999		27805	26378
3.034		26123	31145
3.09		8625437	5173188
3.162		11560	10761
3.192		13193	8308
3.212		26192	13151
3.25		24578	12982
3.273		3422769	1998291
3.332		11634	6463
3.351		7690	3797
3.374		6991	3416
3.394		364232	298296
3.425		11991	6133
3.468		40557	25974
3.486		9175	3979
3.508		13484	25476
3.569		10954	36455
3.589		5070	3290
3.643		4391	3960
3.678		279650	175070
3.698		18688	9011
3.712		19112	9083
3.731		11382	5274
3.755		100171	61042
3.775		129660	72752
3.81		5517	5517
3.856		12468	12491
3.907		1612749	1362065
3.976		29322	20309
4.012		12121	18390
4.057		285322	234847
4.1		31747	22091
4.146		140070	131591
4.197		4551	5503
4.274		859087	857685

RT B	Compound B	Height B	Area B
4.322		15699170	13214410
4.419		2940444	2842644
4.53		127783	102808
4.553		21430	13605
4.592		18170650	15158520
4.647		2853048	2460233
4.766		91035	150209
4.916		67772	60464
4.963		5015	9446
5.018		14168220	15584650
5.082		216611	213720
5.187		6027328	5728744
5.242		155992	121088
5.413		53149	60676
5.481		43227	46103
5.841		80852	111611
5.999	DCB	8996771	10376590
6.288		2932	2382
6.457		6303	14760
6.699		9107	11748
6.777		2805	8136
7.298		5059	13124
7.464		3372	6177
7.512		2411	1971
8.016		21876	41734

EVALX1724A AAEVALXAA ICAL 1727499999 10736 SW-846 8082

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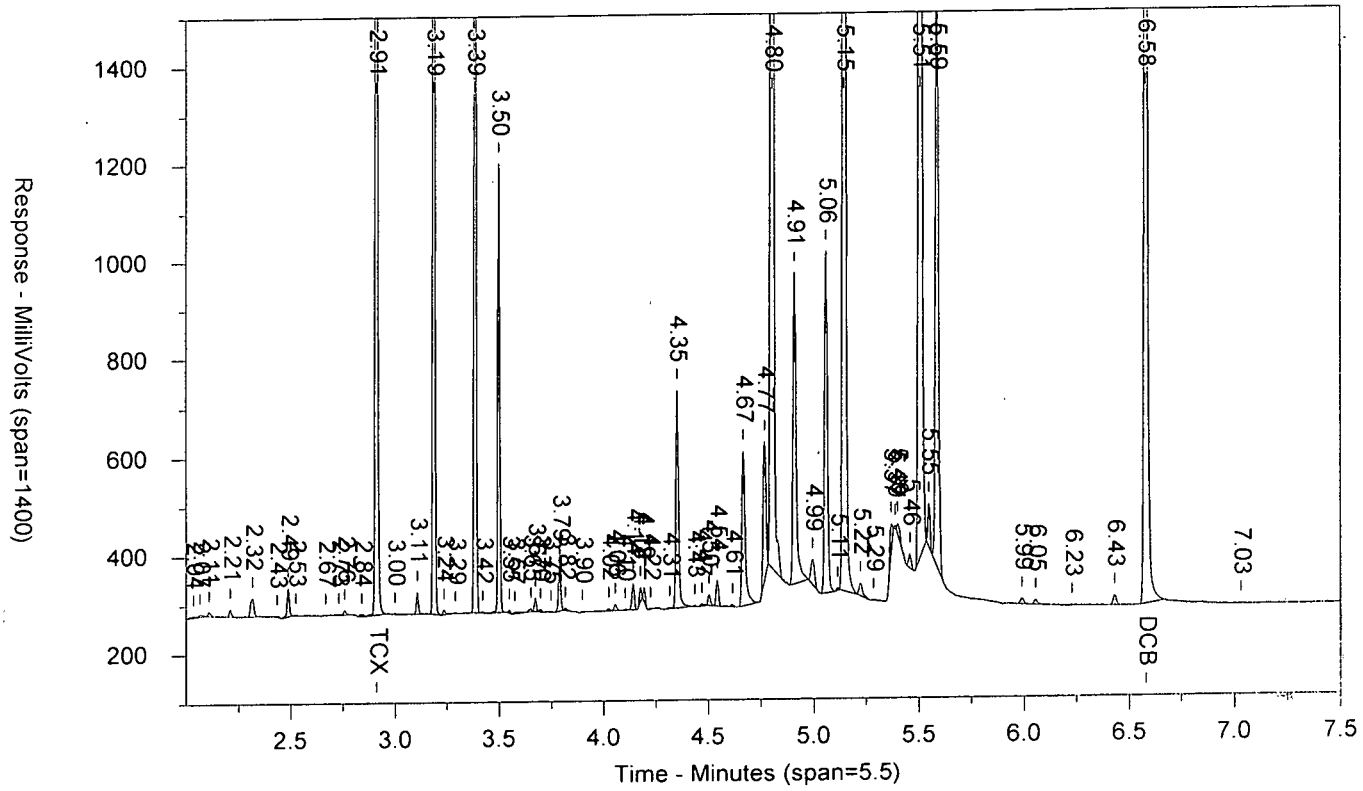

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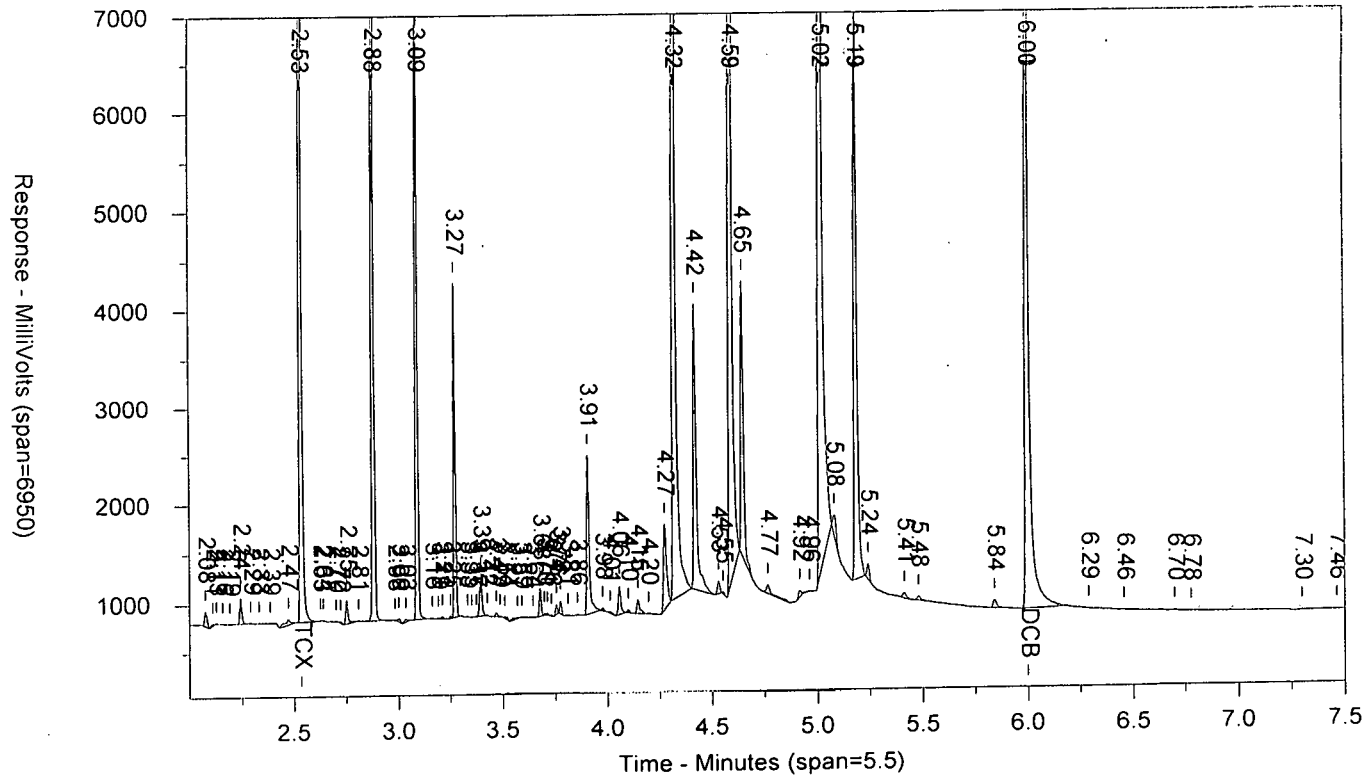

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:00:21 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	3678382	21.642	TCX	2.535	12234090	22.994	TCX
6.58	2466179	21.868	DCB	5.999	8996771	24.941	DCB

Files:
Area File: 20PCBs17275001.006.RAW
Area File: 20PCBs17275001B.006.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 9:09:02 PM
File Reported On: 10/2/2017 at 9:09:20 PM

EVALX1724A AAEVALXAA ICAL 1727499999 10736 SW-846 8082

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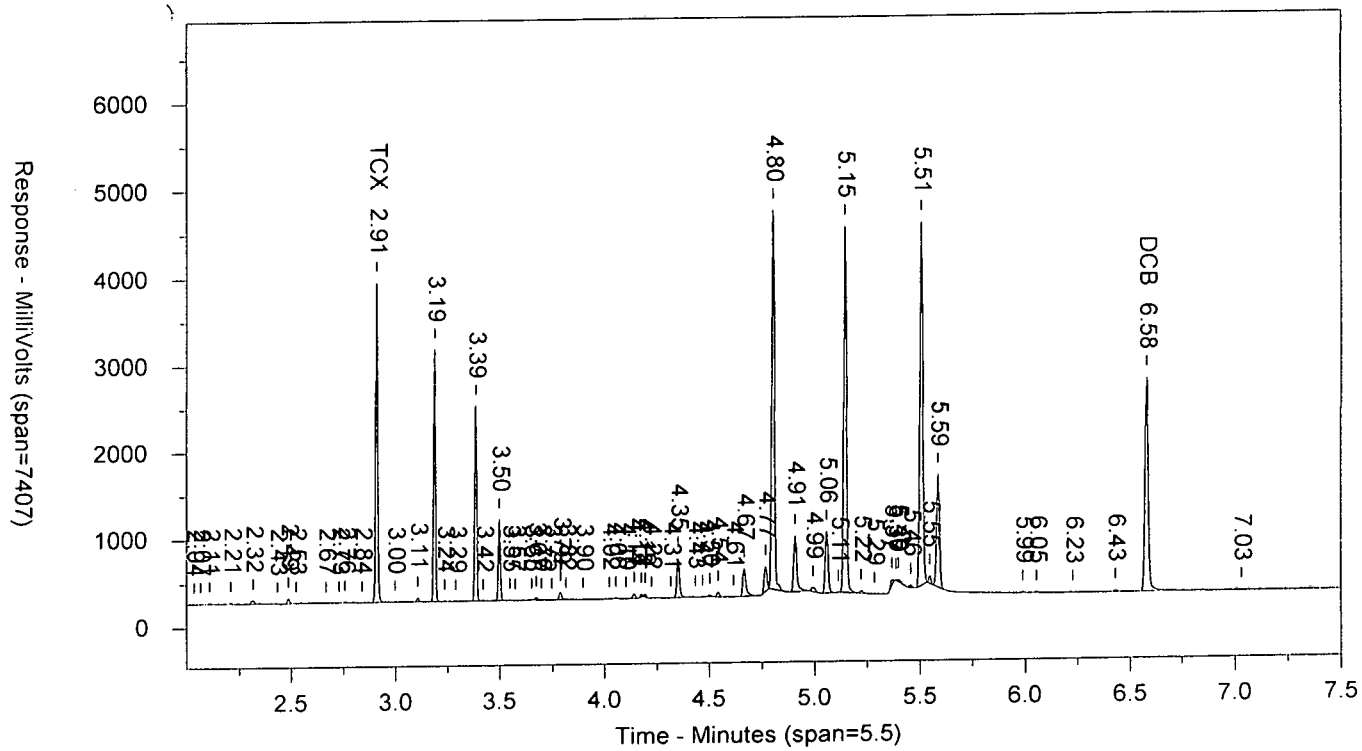

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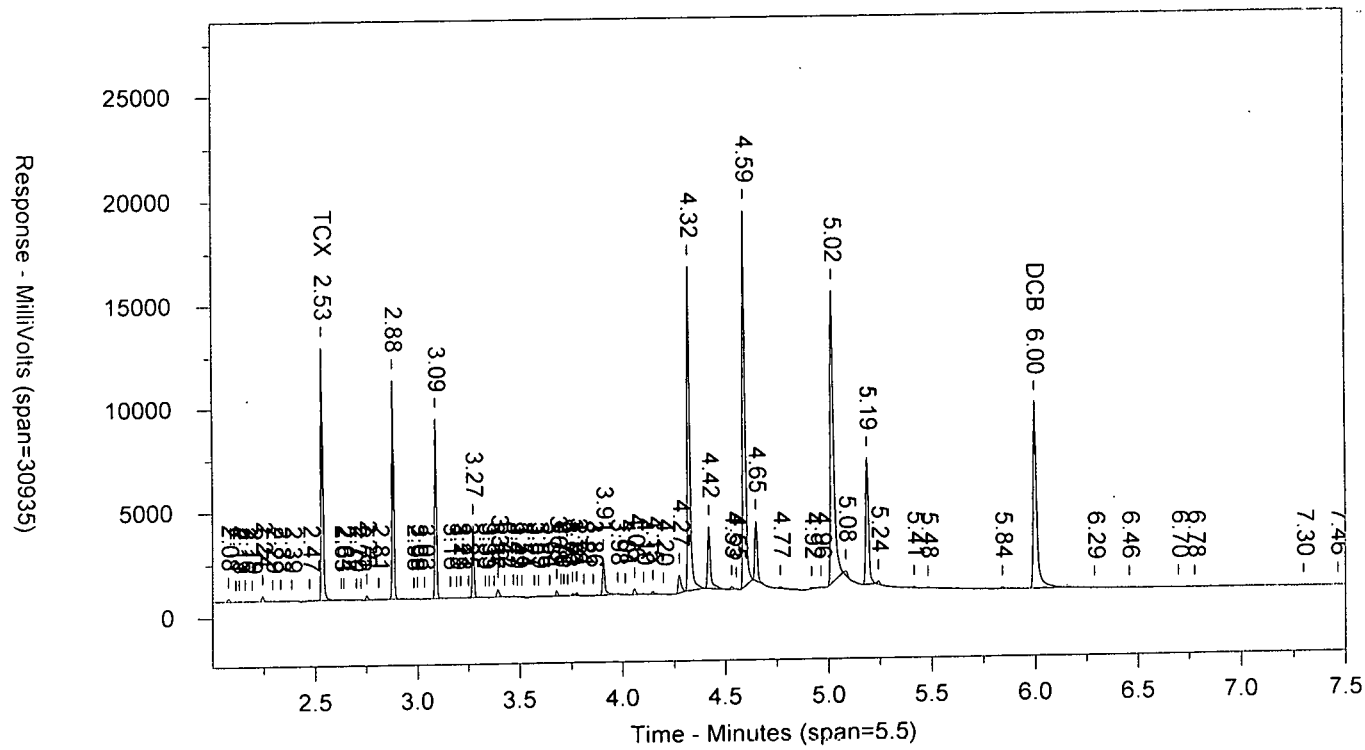

EVALX1724A AAEVALXAA ICAL 1727499999 10736 SW-846 8082

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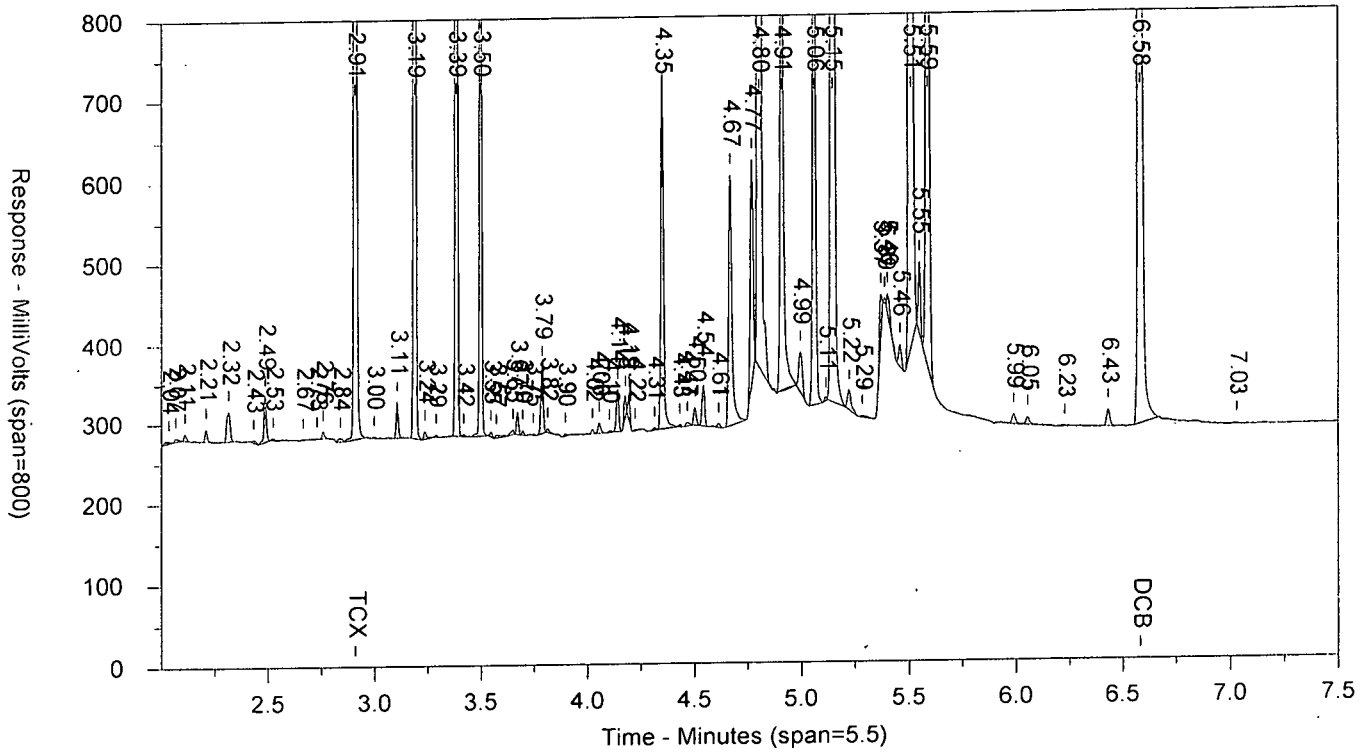

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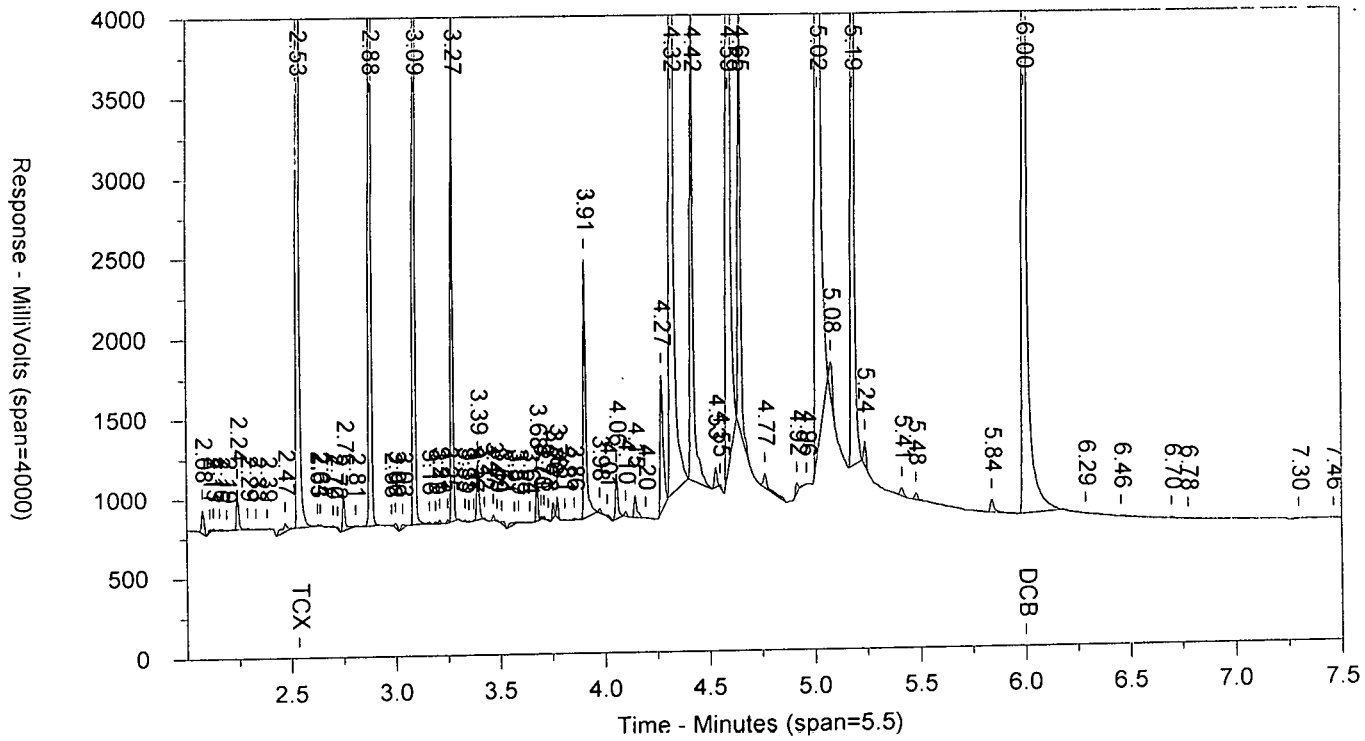

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:11:24 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.007.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.038		3316	9512
2.067		6694	29773
2.154		5911	12910
2.208		1611	972
2.309		28559	20285
2.498		1319	5797
2.518		1537	1325
2.69		812	1202
2.758		10190	20398
2.844		4861	7222
2.909	TCX	372541	265582
3.057		15047	13170
3.113		18534	14996
3.16		83532	65078
3.253		12024	13697
3.374		90424	53394
3.391		41194	21524
3.427		9340	5454
3.455		4439	2068
3.488		103493	76146
3.565		2964	2211
3.597		21775	12539
3.612		10972	5334
3.654		54483	27426
3.665		90100	43398
3.701		115751	85899
3.758		96856	73466
3.798		7713	5269
3.826		72954	53365
3.853		52051	43254
3.874		10667	4930
3.948		75683	54935
3.972		27051	17450
4.003		29062	20658
4.036		74325	71283
4.075		24410	18647
4.122		1901	1316
4.138		1793	1093
4.161		3575	2639
4.194		73054	53445
4.212		14049	7214
4.236		18688	14068
4.306		10935	9092
4.347		75510	71627
4.38		2109	1494
4.484		5481	4824
4.534		9091	5280
4.551		19573	13493
4.595		44089	39703
4.644		76113	80902
4.679		14695	10121
4.719		165998	157526
4.804		20998	21880
4.864		29733	28252

RT A	Compound A	Height A	Area A
4.916		180169	233912
4.967		41070	36318
5.008		82789	94801
5.087		14889	16798
5.122		203446	234050
5.188		112892	105149
5.232		68408	66135
5.28		1423	1549
5.326		21710	18078
5.351		110534	106975
5.409		60790	56058
5.447		33628	32441
5.49		5035	5253
5.533		34054	38849
5.59		264956	326674
5.796		164119	164309
5.851		49556	83508
5.988		4671	4639
6.069		34214	45190
6.225		69894	79385
6.272		3139	2667
6.428		21356	24713
6.577	DCB	271951	306727
7.502		1260	2280
8.522		7622	18435

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:11:24 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.007.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.031		2305	2410
2.083		30478	28533
2.13		10788	40811
2.159		4080	2748
2.223		6232	6769
2.281		5873	7098
2.315		2495	1799
2.333		5401	3812
2.378		3184	5147
2.472		61644	121980
2.535	TCX	1508276	976107
2.58		34408	23884
2.708		94650	90131
2.753		24247	18282
2.768		75931	42987
2.82		378622	245107
2.868		7535	4475
2.931		49798	31486
3.003		15506	11943
3.027		305169	155991
3.037		86797	33176
3.078		57846	33849
3.099		25889	18045
3.124		27524	13809
3.148		477063	319929
3.185		17207	10974
3.231		111407	58656
3.246		71257	46190
3.296		189644	94874
3.305		343494	154210
3.325		15992	6014
3.338		418152	286342
3.411		453190	292889
3.448		345344	223069
3.471		353750	202792
3.488		112767	56274
3.572		407503	272830
3.595		155061	83828
3.615		152832	89229
3.643		103061	53643
3.66		306500	184089
3.699		134286	91019
3.745		11993	10535
3.766		74949	41062
3.788		421309	290567
3.813		64864	36824
3.831		13223	6817
3.852		65672	42677
3.886		332745	237541
3.918		10718	4460
3.931		30385	17486
3.979		6264	6973
4.015		18191	17618
4.08		93125	113649

RT B	Compound B	Height B	Area B
4.12		120284	73306
4.14		36148	22521
4.152		247264	146555
4.177		133615	137015
4.228		701750	592279
4.274		10978	8510
4.32		143001	123396
4.362		671436	676166
4.46		549469	649423
4.512		81826	64236
4.551		183748	163681
4.586		508359	468610
4.618		364421	291867
4.655		248509	210771
4.751		91582	88075
4.801		518092	607276
4.874		230240	213027
4.908		113318	95615
4.941		72936	60939
4.995		794020	1062940
5.064		39053	30814
5.186		7261	5664
5.21		220042	218457
5.257		575823	978733
5.41		20907	25466
5.478		22685	37001
5.53		121553	156671
5.641		234363	377635
5.841		83472	105538
5.998	DCB	1070620	1424985
7.285		3085	3761
7.928		2042	3158
8.012		21827	38269
8.573		1742	3879
8.638		1759	1117

AR1611724B AAAR161AA ICAL 1727499999 10736 SW-846 8082

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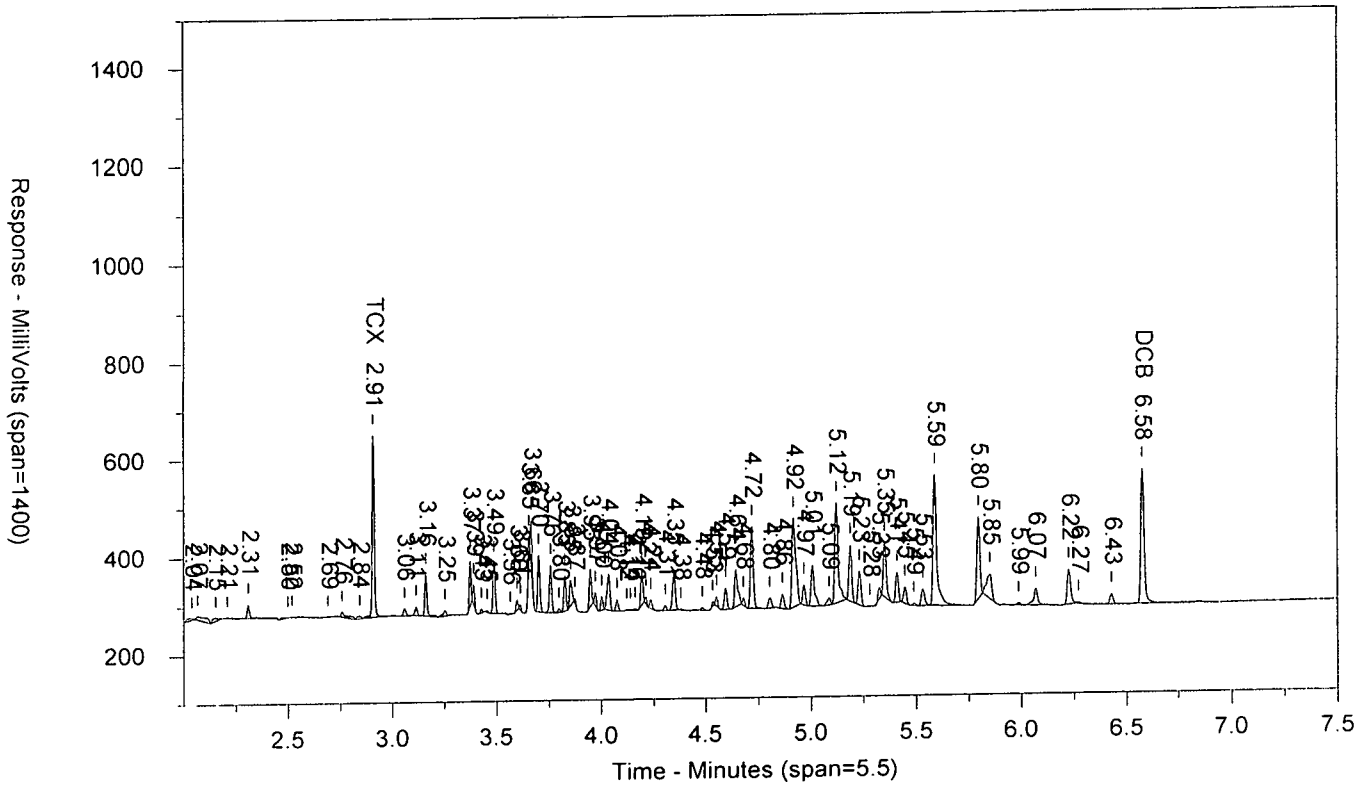

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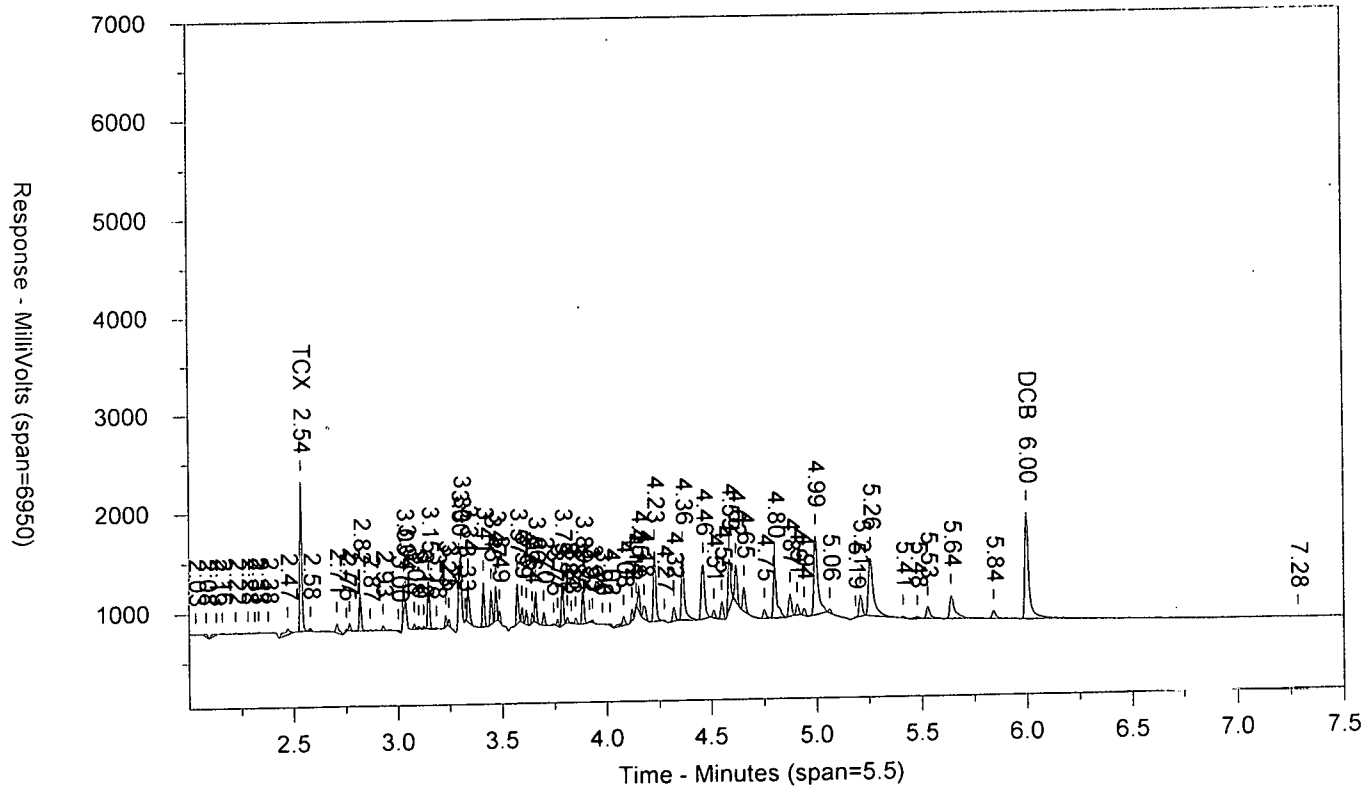

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:11:24 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	372541	2.192	TCX	2.535	1508276	2.835	TCX
6.577	271951	2.411	DCB	5.998	1070620	2.968	DCB

Files:
Area File: 20PCBs17275001.007.RAW
Area File: 20PCBs17275001B.007.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 9:20:05 PM
File Reported On: 10/2/2017 at 9:20:18 PM

AR1611724B AAAR161AA ICAL 1727499999 10736 SW-846 8082

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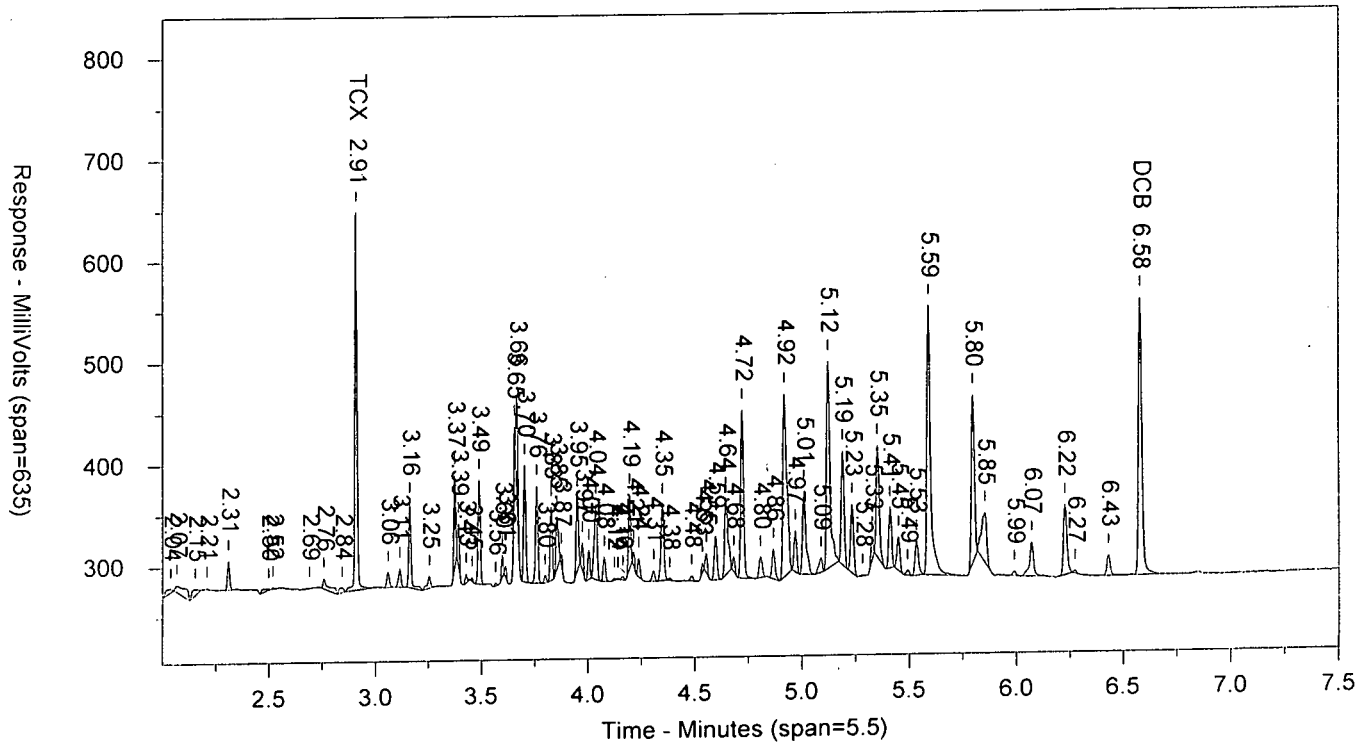

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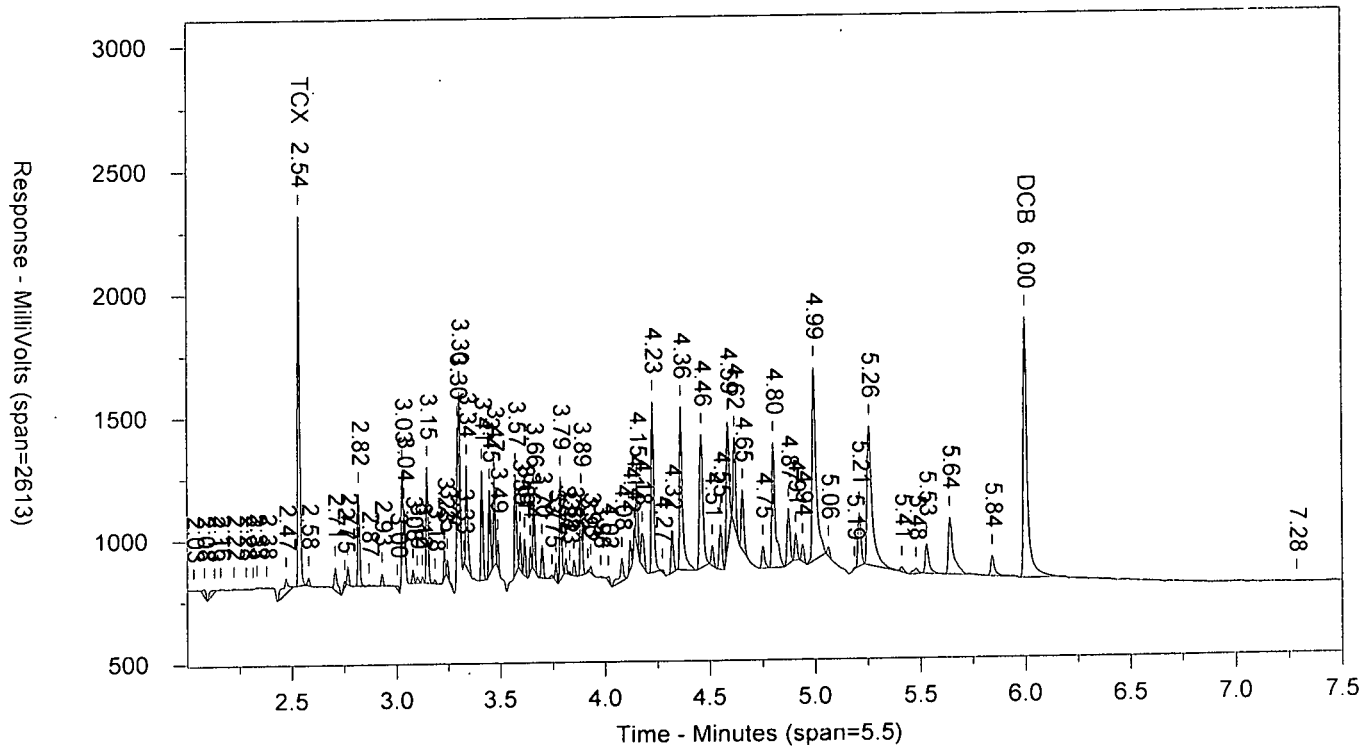

AR1611724B AAAR161AA ICAL 1727499999 10736 SW-846 8082

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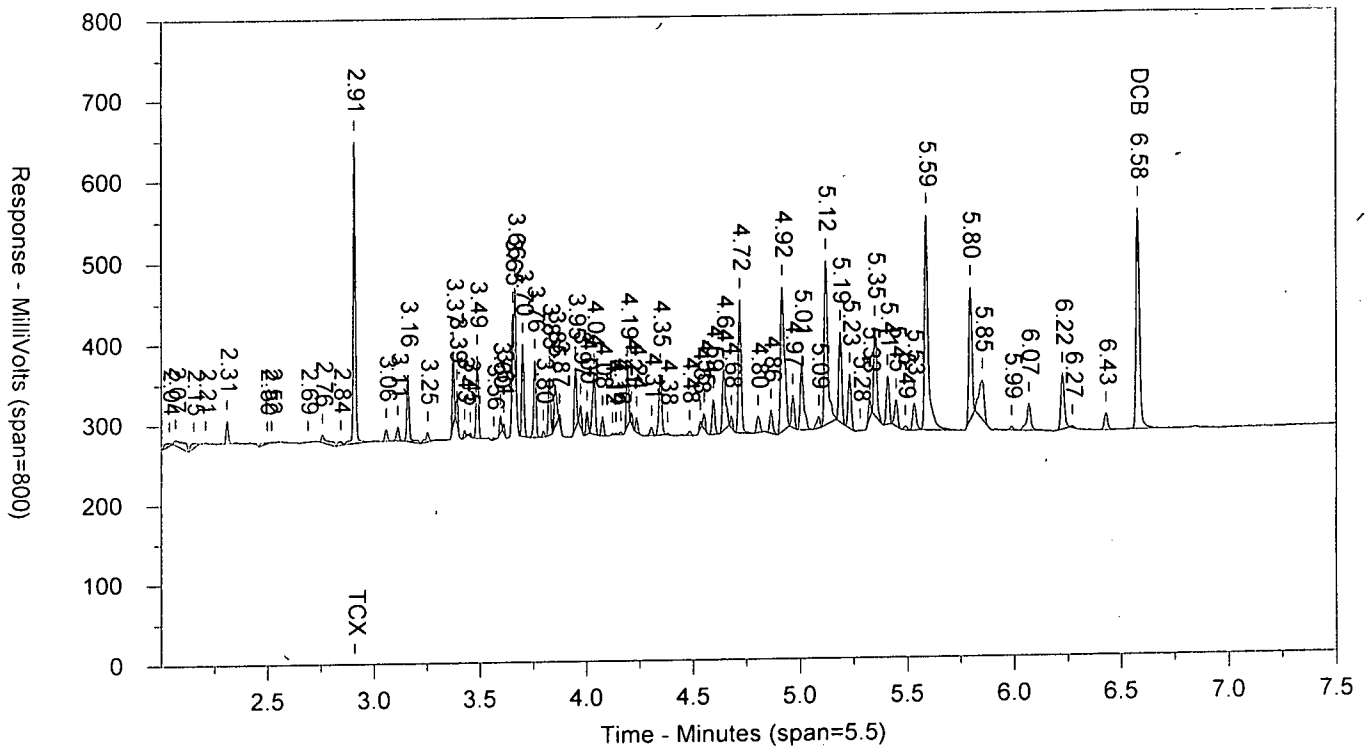

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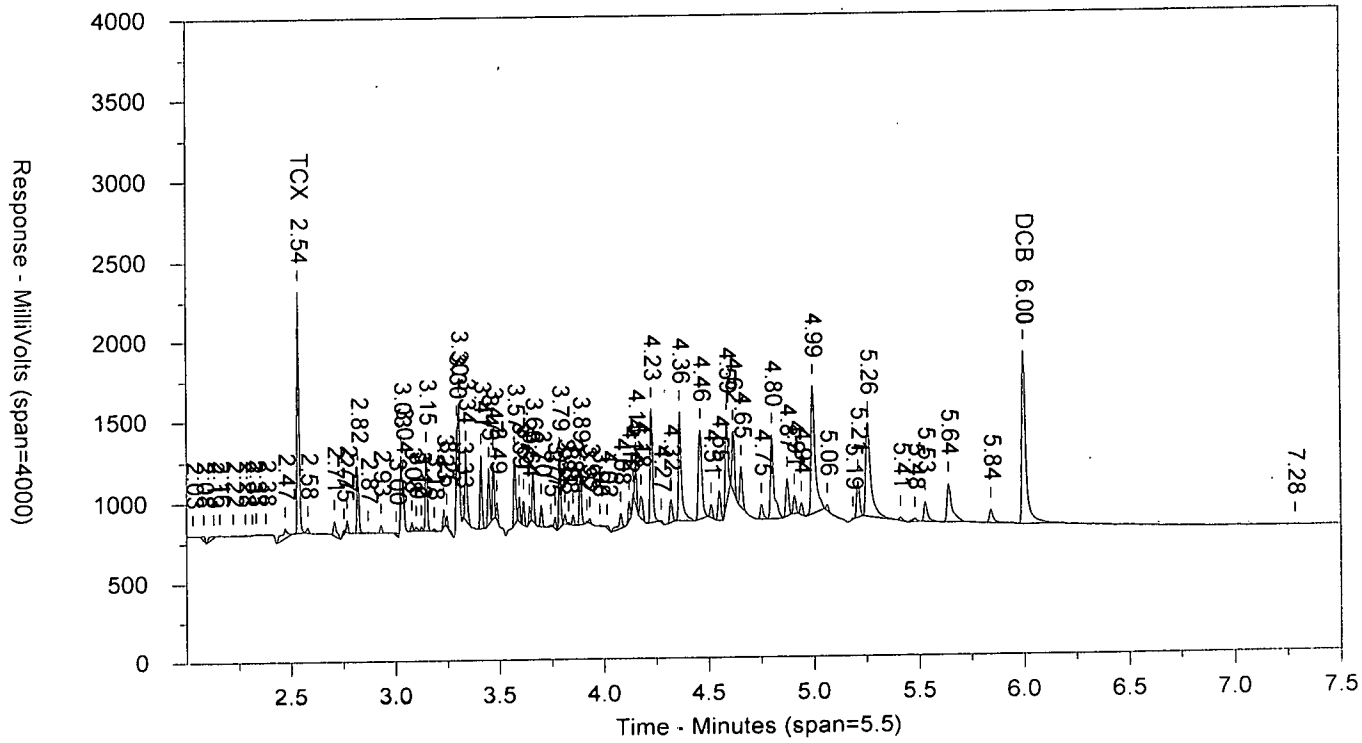

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:22:48 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.008.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.037		2048	6355
2.068		4104	5891
2.153		3763	7788
2.209		3040	2001
2.309		30588	23920
2.489		2602	6634
2.549		2129	2169
2.735		792	4598
2.758		12222	10275
2.91	TCX	685774	481210
3.058		26017	23407
3.114		33129	27289
3.161		153339	104089
3.254		20554	19605
3.376		162499	96611
3.393		73919	39284
3.43		17404	10036
3.445		2960	1058
3.457		8096	3920
3.49		188305	138216
3.527		950	360
3.567		4908	3279
3.6		38750	22451
3.614		17552	8709
3.658		91741	48957
3.668		176489	83487
3.705		210632	154687
3.761		176768	130955
3.802		14186	9456
3.829		127218	94720
3.857		90496	75021
3.878		19472	10070
3.952		143276	99667
3.975		47397	30795
4.006		53461	36807
4.04		129040	127303
4.079		43354	34396
4.126		3775	2822
4.164		6927	4824
4.198		138474	96918
4.216		22474	11853
4.239		31630	24236
4.309		19658	15427
4.351		136101	125466
4.384		3379	2230
4.489		10080	9916
4.538		13998	8526
4.555		33279	23631
4.599		76426	69586
4.648		127172	144011
4.684		27015	18987
4.723		296508	285509
4.809		35310	38853
4.84		2472	1392

RT A	Compound A	Height A	Area A
4.869		49435	49404
4.92		316087	414749
4.97		69427	61966
5.011		143871	171594
5.091		26239	30751
5.125		372176	428049
5.192		211310	192524
5.234		122741	117733
5.329		40784	32184
5.355		207886	197263
5.411		107435	99093
5.45		56598	57251
5.493		9027	9392
5.536		60196	68370
5.592		458300	595051
5.797		294376	295099
5.853		86804	146116
5.989		8178	8581
6.07		61893	89746
6.226		127692	141823
6.272		5749	5141
6.429		38103	41915
6.578	DCB	486501	554897
7.087		1085	997
7.793		870	1151
8.526		7465	17428

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:22:48 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.008.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.079		30538	35957
2.132		13265	50873
2.156		4755	7015
2.222		9363	10006
2.283		5133	3652
2.332		5516	6737
2.455		10056	26780
2.471		55562	46756
2.535	TCX	2590010	1709631
2.579		61336	43211
2.636		3939	4546
2.707		152442	132335
2.752		42075	24596
2.768		135353	77050
2.819		644521	423491
2.868		10170	7742
2.93		91441	58293
3.027		494999	253082
3.037		149436	62902
3.078		106597	62575
3.098		47824	29241
3.124		45894	23535
3.147		819018	556528
3.185		29755	18888
3.211		7909	4076
3.232		199217	104599
3.247		112539	55473
3.297		245205	135418
3.305		584197	274175
3.326		30016	10899
3.339		668242	476540
3.413		755185	494589
3.449		575872	372615
3.472		590781	337173
3.49		183864	95489
3.575		694718	463431
3.597		258936	142572
3.617		256951	152870
3.646		170446	89985
3.663		489301	303577
3.702		224607	154816
3.749		19806	17440
3.769		114814	64225
3.79		679616	458287
3.815		93045	53613
3.834		24532	12079
3.854		98820	63352
3.889		544402	390916
3.92		14752	6349
3.934		52676	28981
3.979		4921	6170
4.022		31888	29687
4.083		145854	142140
4.123		198086	125459

RT B	Compound B	Height B	Area B
4.142		70633	38896
4.155		405728	244492
4.179		212703	217149
4.23		1161565	1017300
4.299		7351	3638
4.323		227290	204316
4.365		1053939	1163448
4.463		930801	1122965
4.515		139202	108669
4.554		275075	256018
4.589		823941	753343
4.62		611490	496372
4.658		386185	342027
4.755		154827	149799
4.804		888978	1035603
4.876		387028	370048
4.91		177415	157809
4.943		116484	102586
4.998		1315138	1823605
5.065		61327	48893
5.189		11664	8558
5.212		385710	378127
5.259		980231	1735855
5.412		37099	41370
5.481		35634	55469
5.531		215419	281189
5.643		407376	672533
5.842		152604	199714
6	DCB	1856271	2468792
6.456		3102	2339
7.075		2363	3007
7.291		2683	3477
7.619		2155	989
7.683		2381	2578
8.018		21328	44057

AR1621724B AAAR162AA ICAL 1727499999 10736 SW-846 8082

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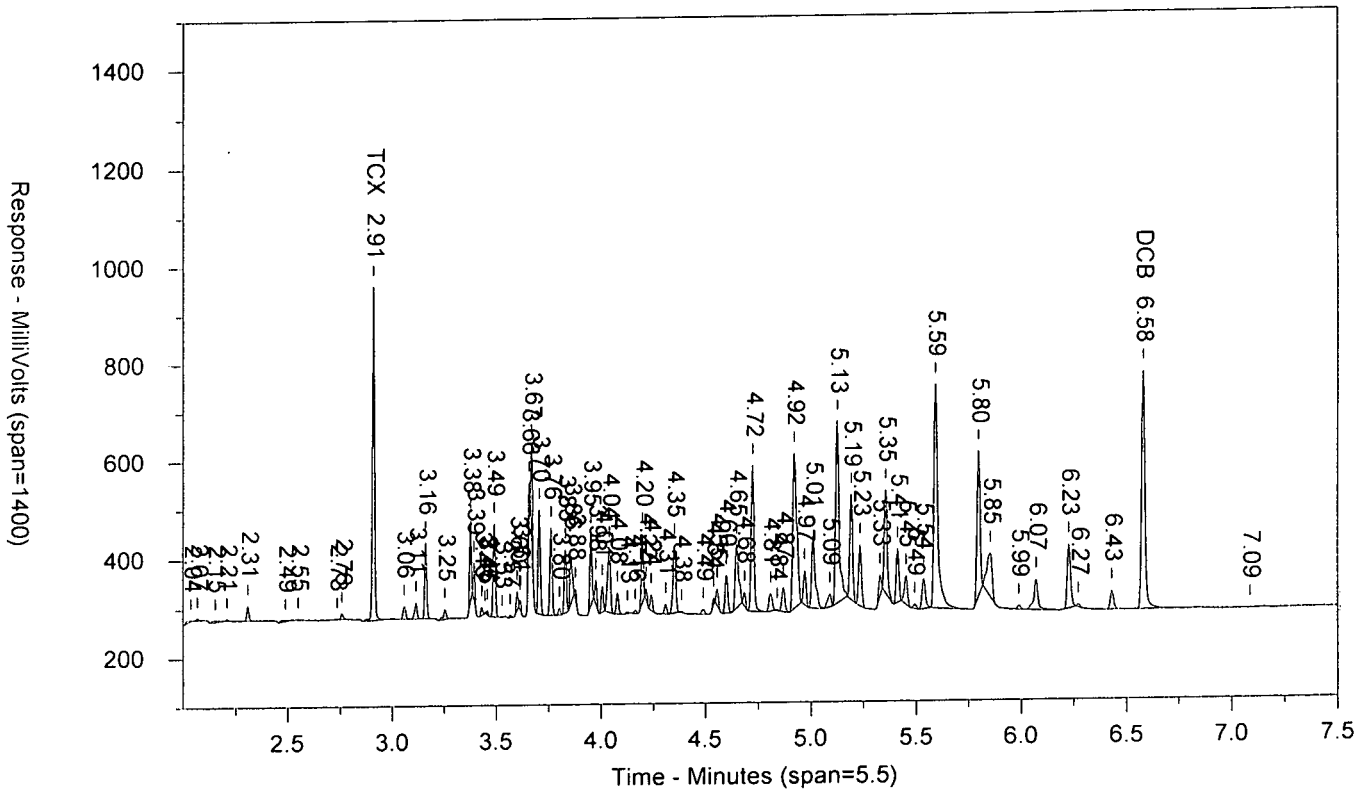

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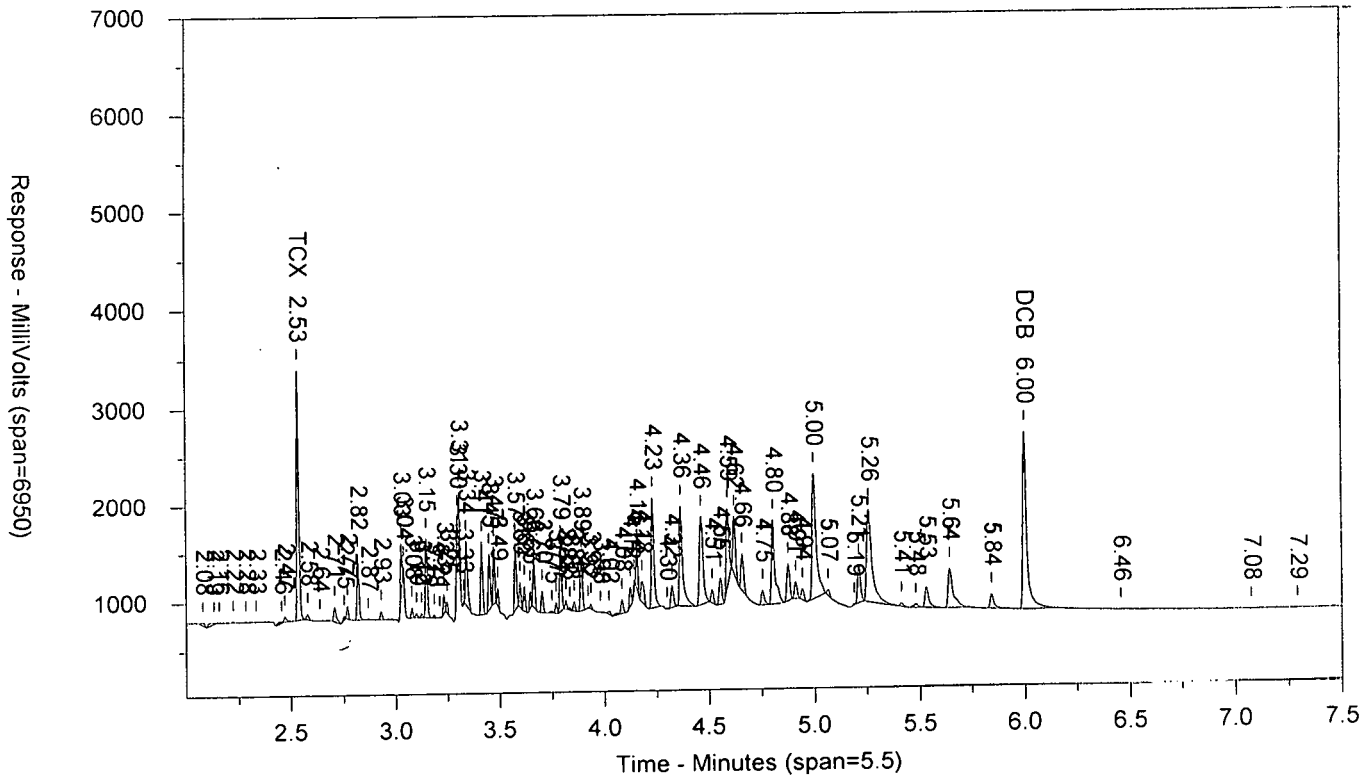

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:22:48 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	685774	3.937	TCX	2.535	2590010	4.598	TCX
6.578	486501	4.16	DCB	6	1856271	4.871	DCB

Files:
Area File: 20PCBs17275001.008.RAW
Area File: 20PCBs17275001B.008.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 9:31:32 PM
File Reported On: 10/2/2017 at 9:31:42 PM

AR1621724B AAAR162AA ICAL 1727499999 10736 SW-846 8082

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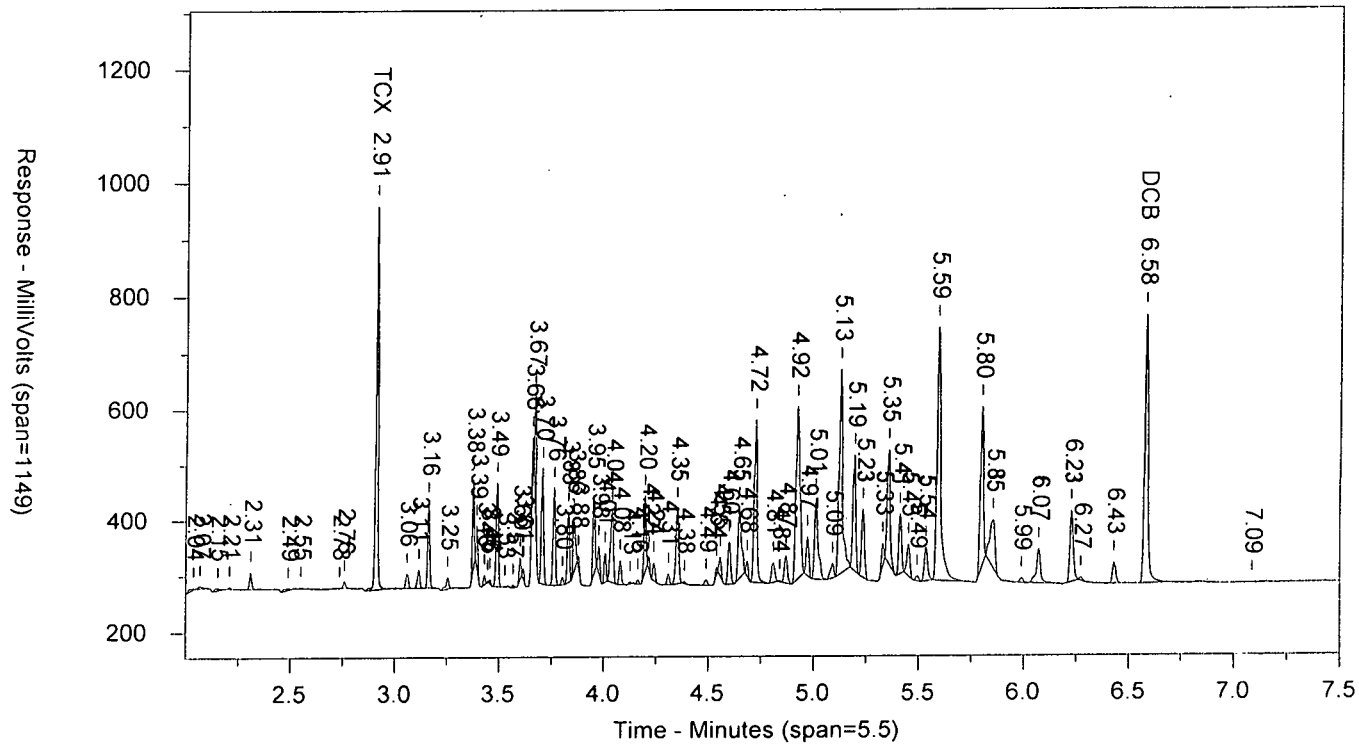

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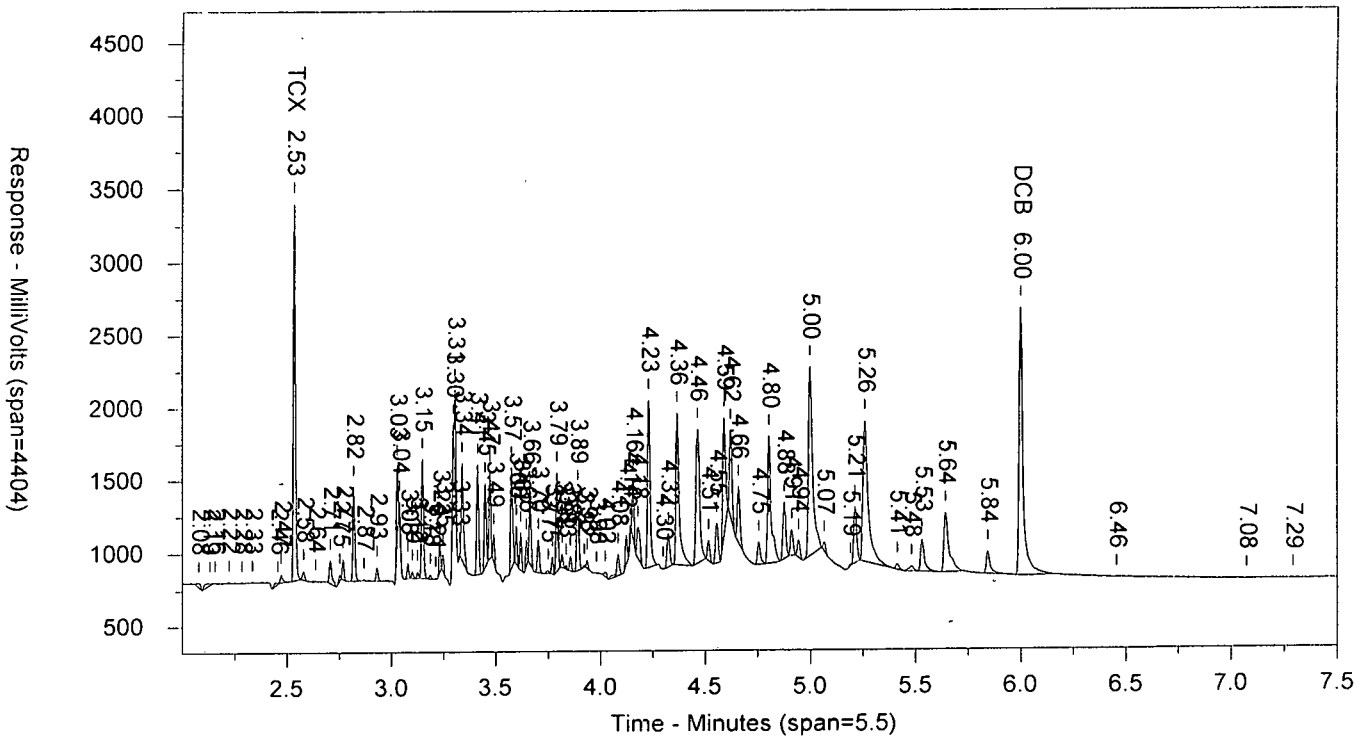

AR1621724B AAAR162AA ICAL 1727499999 10736 SW-846 8082

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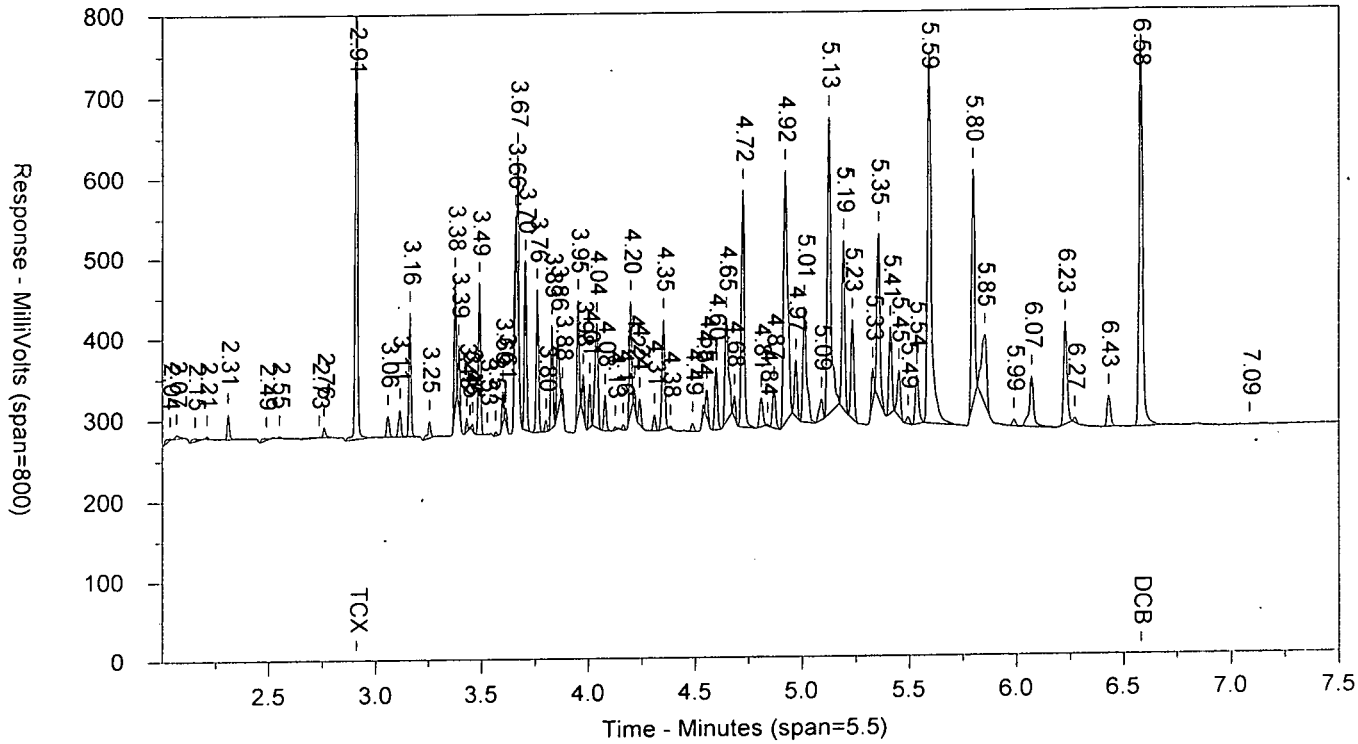

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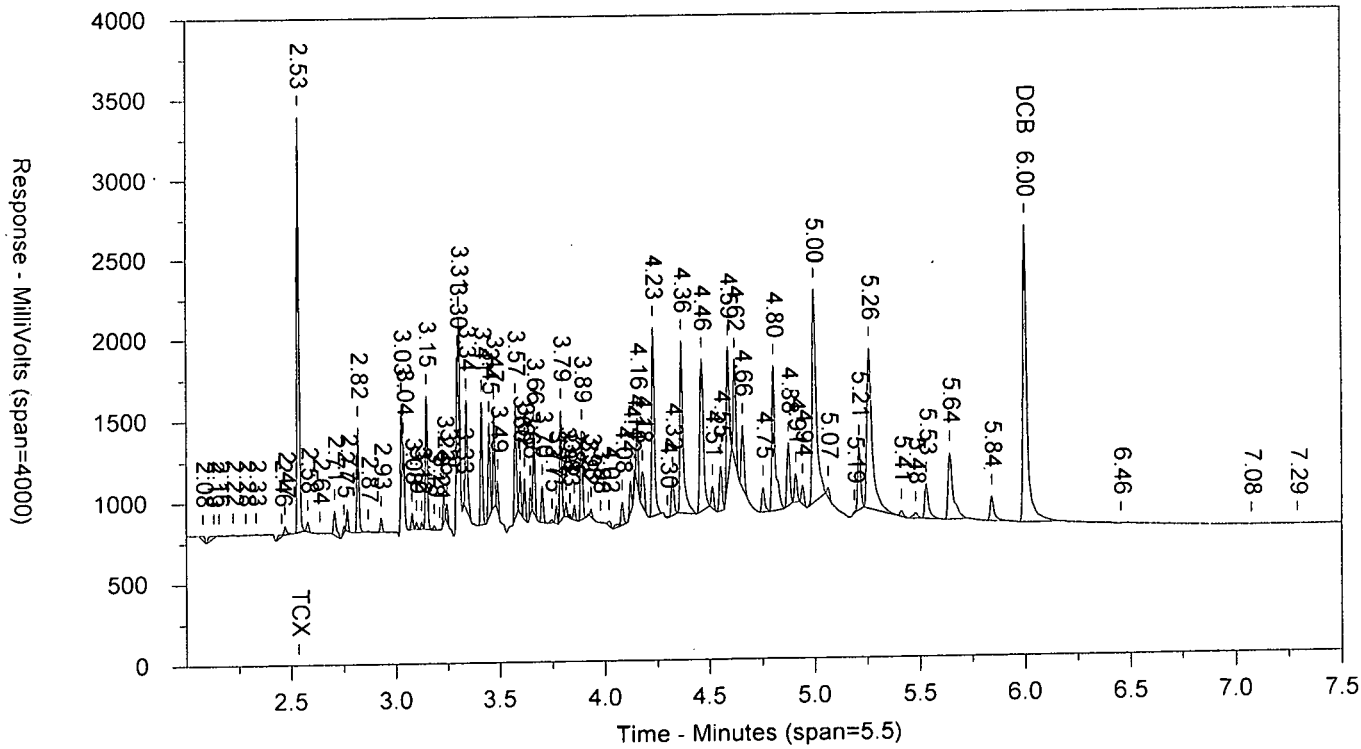

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:34:05 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.009.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.037		4492	11460
2.066		5590	11723
2.21		17275	13069
2.309		35535	27822
2.476		4023	7260
2.52		1741	1444
2.549		3848	3718
2.71		934	3780
2.758		15327	18645
2.832		3302	5558
2.909	TCX	3874195	2565446
3.058		55392	48574
3.113		75491	72405
3.161		302813	221933
3.236		6869	3982
3.254		37912	23466
3.375		316259	193551
3.392		150930	80555
3.429		36264	20765
3.445		6223	2458
3.456		17000	8478
3.489		372063	278381
3.526		1494	812
3.545		8780	5337
3.565		11063	6889
3.599		79576	45489
3.614		37691	18490
3.656		182900	96012
3.667		340990	176015
3.704		427694	315990
3.76		369521	267852
3.8		29547	20656
3.828		266847	191721
3.855		182770	151171
3.876		41261	21378
3.951		289811	202626
3.974		99146	63125
4.005		107653	74497
4.038		280961	262167
4.078		85616	68732
4.124		10919	9470
4.163		15340	11076
4.196		256851	192128
4.215		48513	24083
4.238		65136	50359
4.308		40066	32404
4.35		274145	259481
4.383		8078	5797
4.448		1947	1607
4.486		21807	19683
4.538		26112	17226
4.554		63977	46206
4.598		164420	144670
4.646		280221	298498

RT A	Compound A	Height A	Area A
4.682		54940	38621
4.722		610076	577552
4.807		77029	83851
4.838		4977	2970
4.868		104472	99375
4.919		667197	850953
4.969		144814	130451
5.009		308088	358437
5.089		58445	66666
5.124		771655	890898
5.191		433310	395385
5.233		251148	243802
5.328		86534	69682
5.353		439895	404462
5.411		228906	208810
5.449		122835	120198
5.491		19688	20856
5.534		127969	142648
5.591		1012044	1202690
5.796		662538	631734
5.851		186007	321269
5.988		24955	25594
6.068		128083	188825
6.224		271094	289611
6.269		12323	10276
6.427		92102	102766
6.575	DCB	2511631	2741546
7.022		1964	2352
7.496		1343	3396
7.865		674	841
8.366		703	698
8.521		7040	14770

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:34:05 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.009.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.081		30844	26035
2.131		19527	65566
2.166		5676	6630
2.222		18221	20430
2.316		1747	1659
2.333		7054	6990
2.45		18967	31275
2.471		65676	55352
2.535	TCX	12802360	8113344
2.58		108857	70353
2.668		4034	4847
2.707		306770	255781
2.752		186092	98713
2.768		244655	129613
2.82		1250904	814659
2.868		48748	29943
2.93		186049	129302
3		16160	17238
3.027		925011	465953
3.037		331279	123182
3.078		211883	127445
3.099		98772	57277
3.124		101412	54583
3.147		1537849	1069102
3.185		63362	37859
3.211		42536	21080
3.231		375312	198477
3.246		213286	103167
3.296		460122	288077
3.305		1231230	538245
3.325		63793	21575
3.338		1344836	939828
3.412		1493613	983127
3.449		1126102	725032
3.471		1163662	660017
3.489		375118	187878
3.574		1338569	903444
3.596		507476	276393
3.616		510478	302083
3.645		351761	177703
3.662		989562	610856
3.701		450539	308998
3.747		46052	38711
3.768		234296	134510
3.789		1331992	898457
3.814		205730	119740
3.832		50918	24446
3.853		184398	120123
3.888		1100899	791431
3.919		38445	19375
3.933		99693	55975
3.993		8046	3965
4.023		63905	59248
4.058		9975	18683

RT B	Compound B	Height B	Area B
4.082		300793	224196
4.122		394176	247717
4.141		165834	81792
4.153		835168	488113
4.178		467765	455537
4.229		2370904	1994352
4.277		32412	18368
4.298		42703	21969
4.322		470763	402153
4.364		2303213	2277142
4.462		1973697	2259859
4.513		291134	229156
4.552		601017	544057
4.587		1822106	1636612
4.618		1296889	1033431
4.656		894924	762559
4.753		345485	318210
4.803		1669737	1403934
4.824		81563	50647
4.875		833350	779301
4.91		416173	345152
4.941		274513	236211
4.996		2973751	3748615
5.065		140062	106916
5.187		37833	24184
5.21		826488	772389
5.257		2022400	3411562
5.41		109953	113544
5.479		107176	147443
5.53		446119	557606
5.64		870194	1436727
5.84		372032	561450
5.997	DCB	8762608	10858930
6.46		10073	29008
6.968		1749	1799
7.021		2510	3005
7.285		2521	3997
7.727		2612	4773
7.844		2105	3442
7.912		2054	1237
8.013		21165	39025
8.664		2372	2987

AR1631724B AAAR163AA ICAL 1727499999 10736 SW-846 8082

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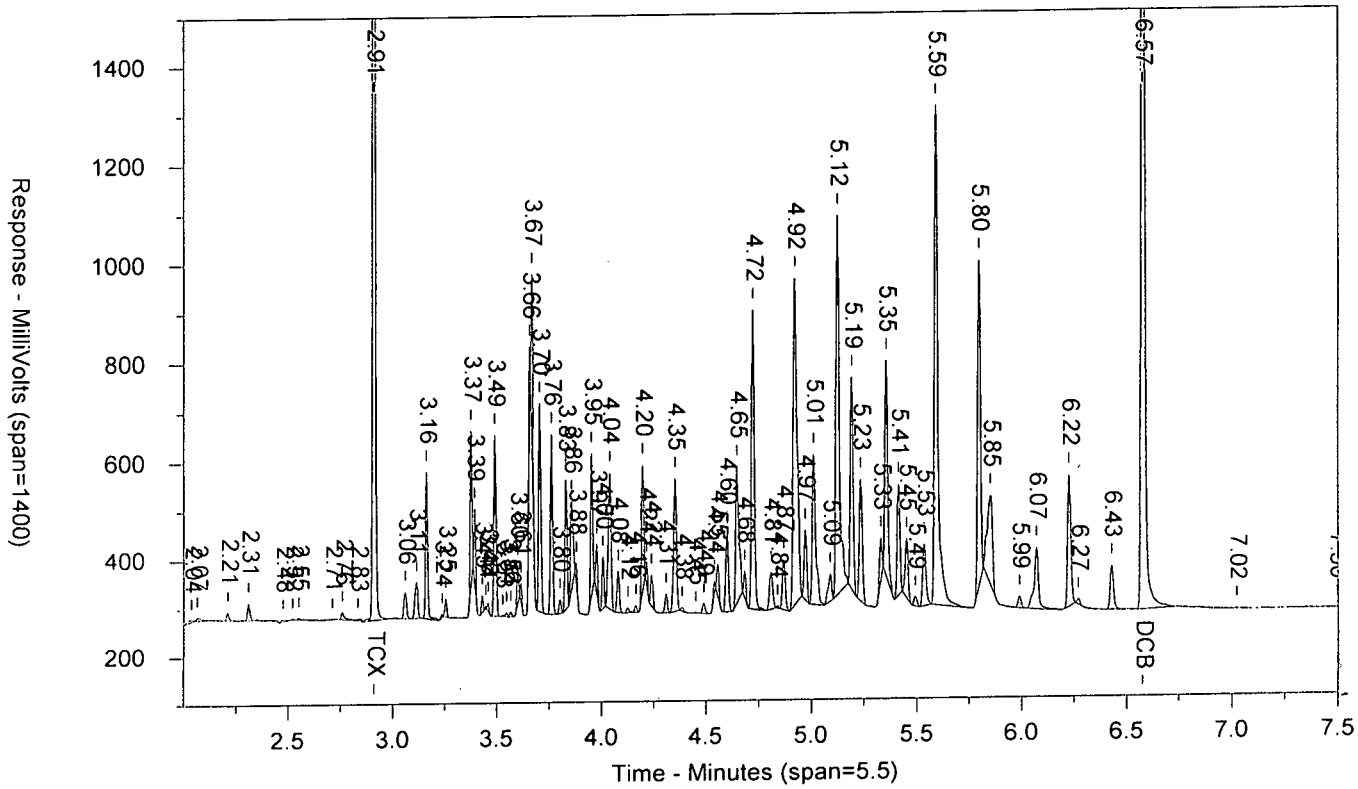

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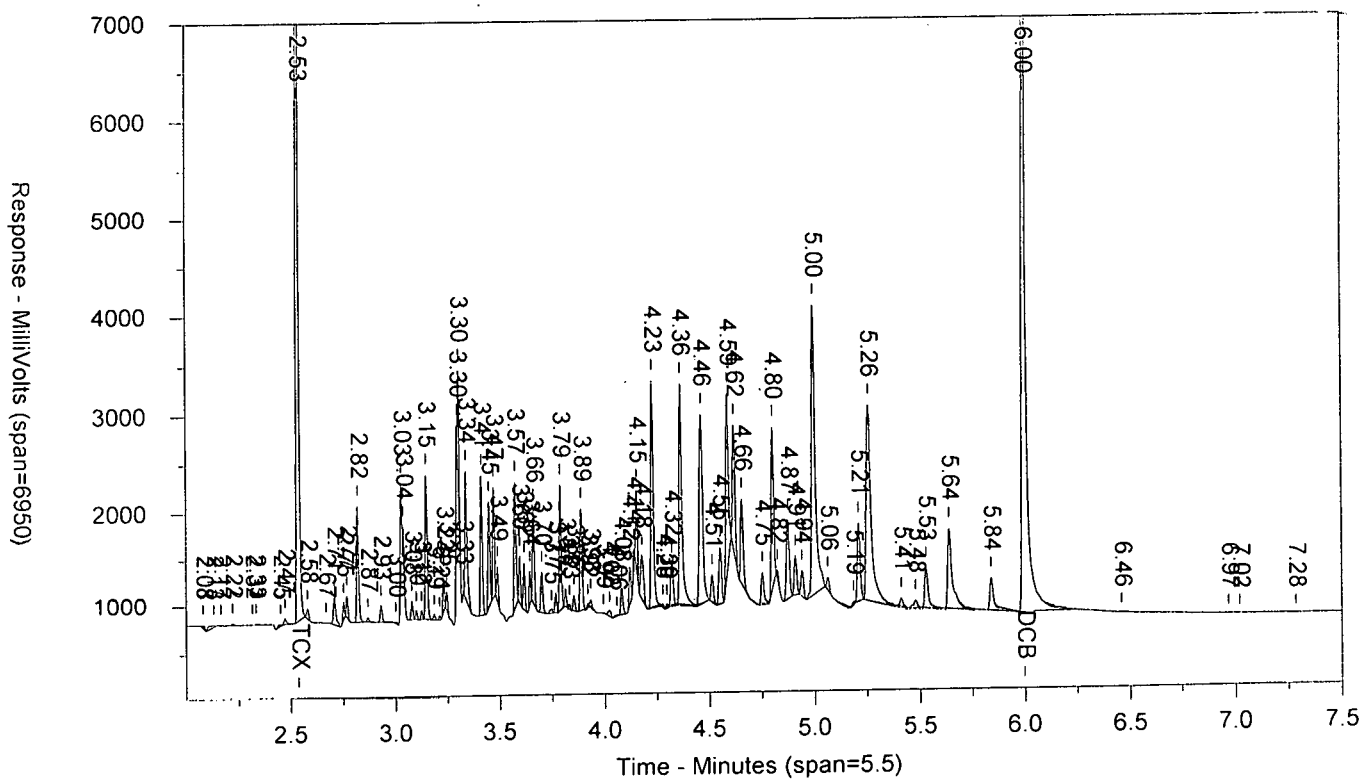

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:34:05 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	3874195	21.861	TCX	2.535	12802360	21.981	TCX
6.575	2511631	21.011	DCB	5.997	8762608	21.901	DCB

Files:
Area File: 20PCBs17275001.009.RAW
Area File: 20PCBs17275001B.009.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 9:42:48 PM
File Reported On: 10/2/2017 at 9:43:00 PM

AR1631724B AAAR163AA ICAL 1727499999 10736 SW-846 8082

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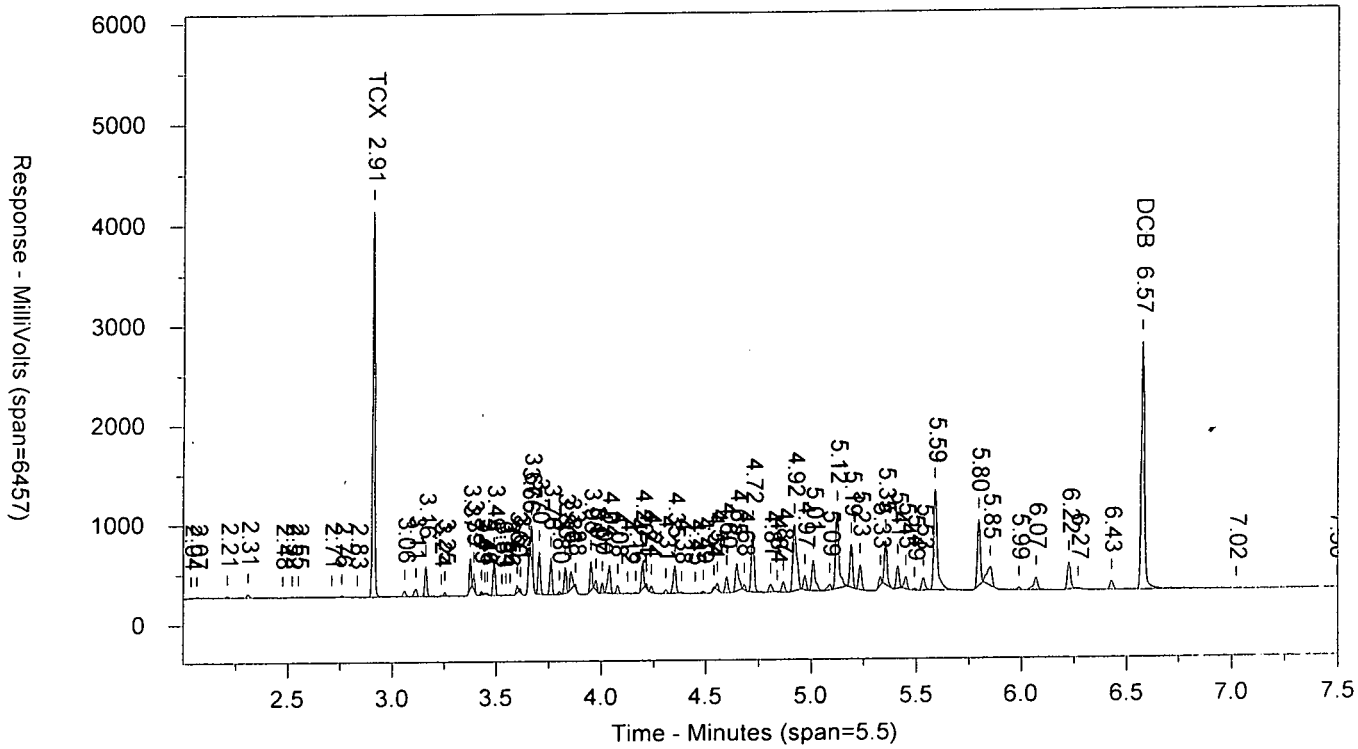

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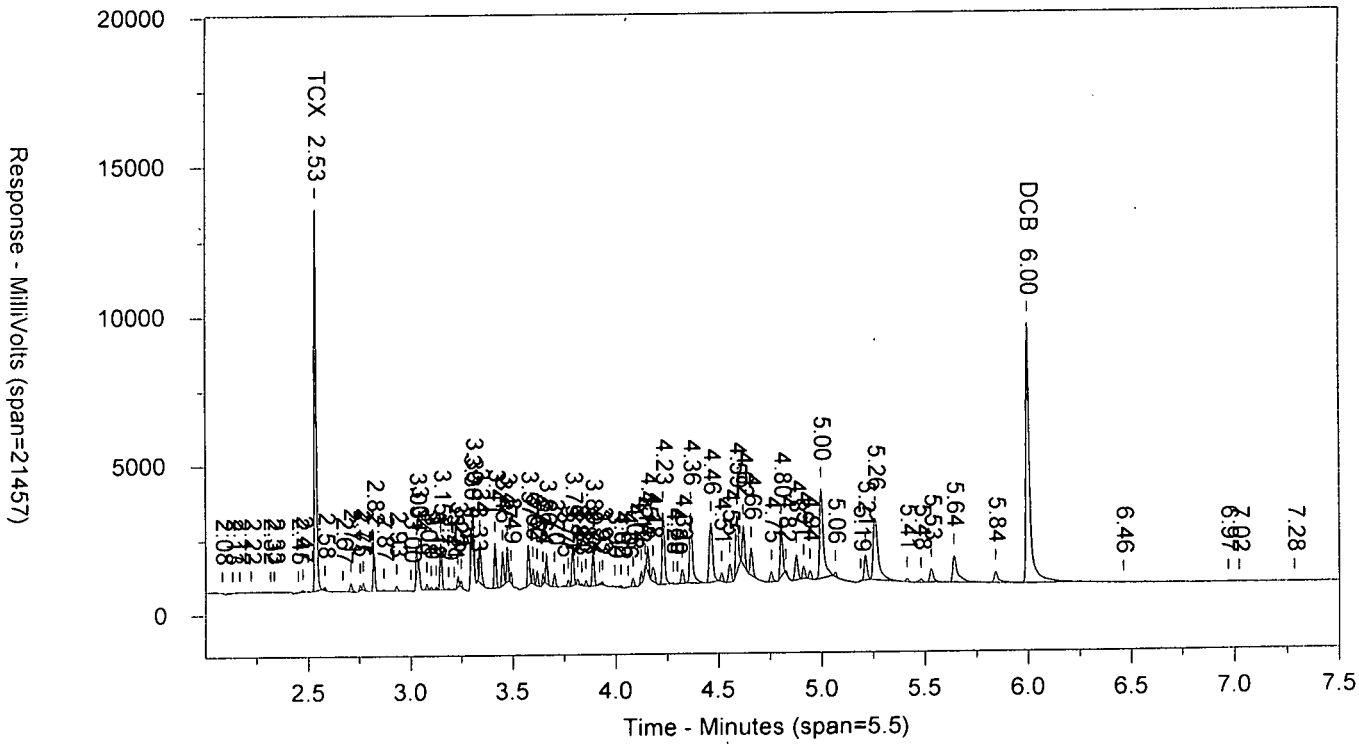

AR1631724B AAAR163AA ICAL 1727499999 10736 SW-846 8082

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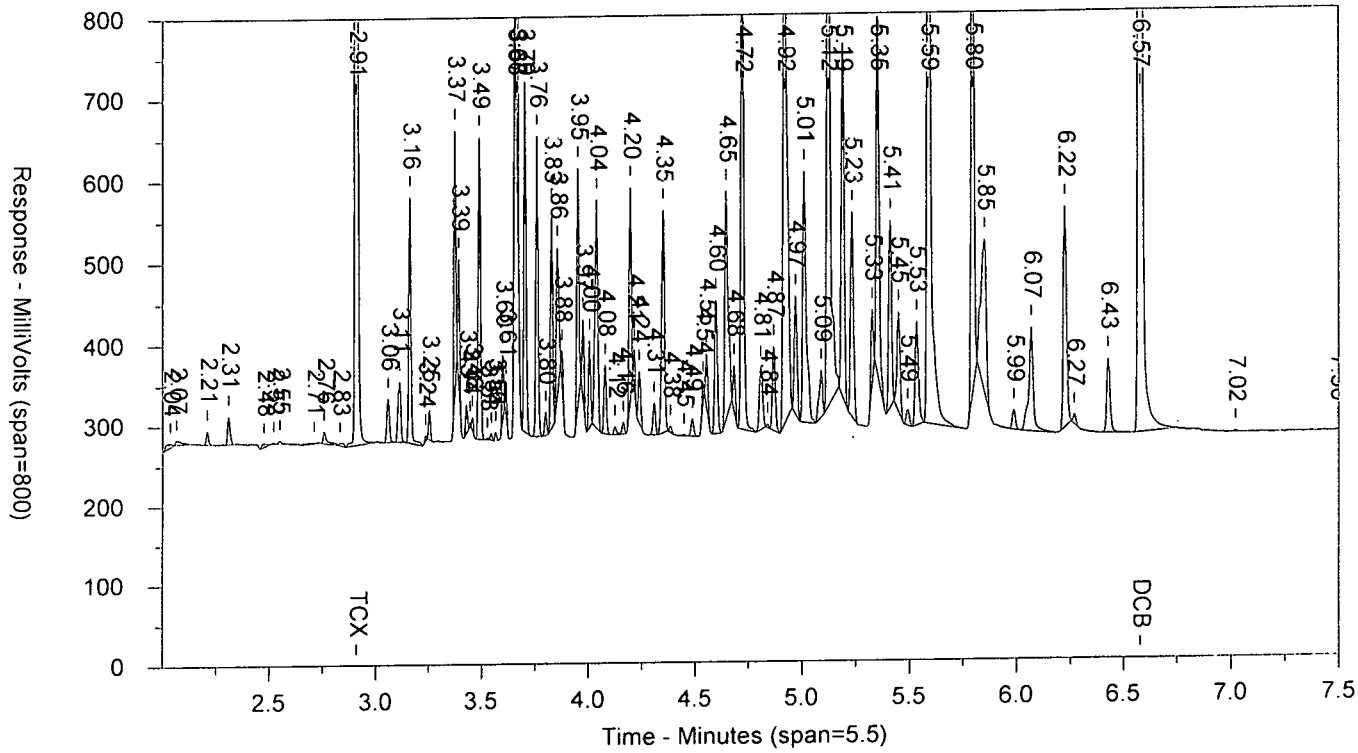

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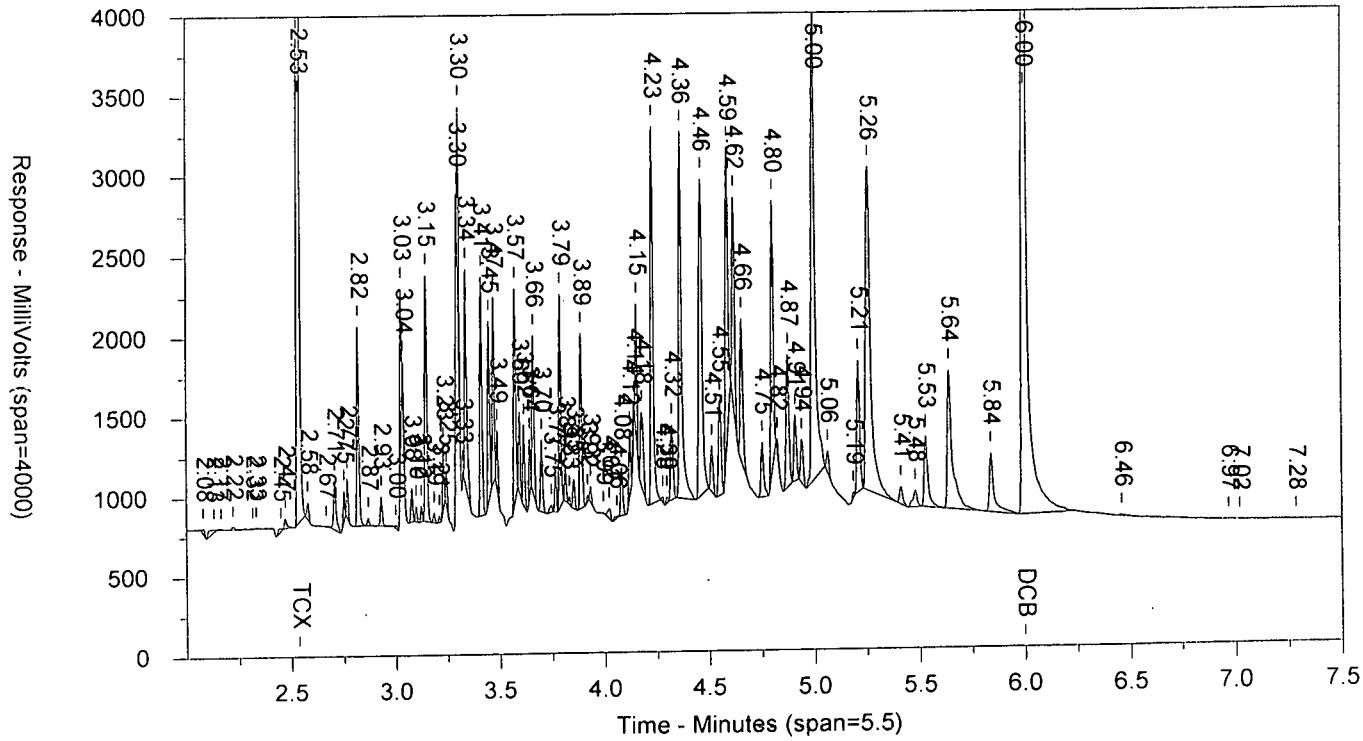

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:45:24 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min.
Column A 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: 20PCBs17275001.010.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.035		2859	7120
2.065		3168	4049
2.153		1061	1473
2.21		32396	23909
2.309		25257	28519
2.47		2000	1909
2.517		1732	1299
2.549		7527	7915
2.758		5103	4517
2.847		12259	23468
2.909	TCX	7740983	5119952
3.009		2032	1383
3.058		104133	92027
3.112		143889	139261
3.161		586702	416318
3.236		11820	6684
3.254		73353	46113
3.294		1918	1310
3.375		634777	374943
3.392		290533	152687
3.429		70918	40375
3.444		12887	4670
3.456		32334	16692
3.49		747547	547680
3.526		3371	1774
3.545		15236	9351
3.564		22122	13260
3.599		157707	91159
3.614		73868	36321
3.657		362680	188445
3.667		771078	367191
3.704		861232	626653
3.76		745549	534795
3.801		57818	40696
3.828		528249	373822
3.856		355491	288340
3.876		82947	43180
3.951		600602	401773
3.974		194522	124227
4.005		219391	148643
4.039		554158	521562
4.078		170660	137649
4.124		22905	17667
4.163		29433	22091
4.197		518671	379593
4.216		100227	48959
4.239		129757	98658
4.308		78500	64627
4.35		542736	507500
4.384		16519	11430
4.446		4166	2824
4.487		40924	36384
4.538		55124	35319
4.554		140932	95282

RT A	Compound A	Height A	Area A
4.598		328390	286441
4.646		538692	580835
4.683		109012	74283
4.722		1177417	1141235
4.807		156272	167066
4.839		9579	5842
4.867		204767	192179
4.92		1391364	1717702
4.97		282530	256234
5.01		629701	718621
5.09		115847	131078
5.125		1689620	1814003
5.191		854078	786146
5.233		508589	484761
5.329		184577	146732
5.354		897705	802415
5.41		480973	419356
5.45		241495	245167
5.492		37973	39831
5.535		263938	287128
5.591		2082494	2472452
5.796		1351447	1289455
5.852		366282	645249
5.987		42078	42523
6.068		250592	343424
6.225		527722	576326
6.27		26965	24509
6.428		171034	195367
6.577	DCB	5171399	5317620
6.734		2023	1029
6.818		911	962
7.02		3364	4265
7.416		920	695
8.326		1003	1797
8.52		7175	19862

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:45:24 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.010.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.07		2373	1378
2.13		12782	41466
2.162		4987	5917
2.221		33148	30025
2.282		4430	3948
2.335		4610	3432
2.378		42093	310411
2.471		63260	211699
2.493		6528	3173
2.534	TCX	26091290	15892910
2.579		202264	134263
2.707		536792	405624
2.752		323664	162537
2.767		433332	237419
2.819		2245495	1489816
2.868		92318	56060
2.93		342745	233783
3.005		6318	2506
3.027		1720844	874730
3.037		524099	209899
3.078		393824	243179
3.098		188906	108817
3.124		197594	108886
3.147		2842064	1976490
3.185		116057	70753
3.211		90214	45998
3.231		707881	377395
3.246		376226	187676
3.296		859770	516501
3.305		2380983	1079594
3.325		86883	34064
3.339		2508397	1786347
3.412		2934108	1860938
3.449		2069961	1327128
3.471		2128011	1221159
3.489		689727	362803
3.574		2563650	1695043
3.596		952110	524908
3.617		967201	570522
3.645		648183	337197
3.662		1906202	1164637
3.701		851602	589897
3.748		92951	77946
3.769		445122	253868
3.79		2529982	1690071
3.815		425352	242934
3.833		100612	48899
3.854		343058	220850
3.888		2055875	1485824
3.92		62233	32233
3.933		186646	105284
3.993		15076	8210
4.026		140080	114057
4.049		9627	8170

RT B	Compound B	Height B	Area B
4.083		580765	435346
4.122		737839	451449
4.141		336463	183884
4.154		1483376	888598
4.18		904672	889087
4.23		4553030	3826052
4.278		53091	28173
4.298		170822	97277
4.322		943257	765677
4.364		4707495	4374704
4.463		3902970	4423408
4.514		586575	461990
4.552		1180865	1043906
4.587		3982308	3531323
4.619		2578423	2032759
4.657		1787951	1506913
4.753		678104	651106
4.803		3372604	2764783
4.824		230317	132441
4.875		1709491	1604001
4.91		858087	697239
4.941		586507	496863
4.995		6141701	7527295
5.066		285987	219711
5.187		68570	40864
5.211		1569781	1497887
5.257		4116593	6562532
5.411		186569	179313
5.48		170126	244708
5.53		894926	1069333
5.641		1713719	2749984
5.84		722018	853427
5.998	DCB	17219080	20578650
6.456		12675	30588
6.627		3351	3340
7.293		3244	5744
7.469		3414	5223
7.509		2426	2790
7.781		1513	1014
8.011		22898	48910
8.397		2185	1411
8.542		1569	1313

AR1641724B AAAR164AA ICAL 1727499999 10736 SW-846 8082

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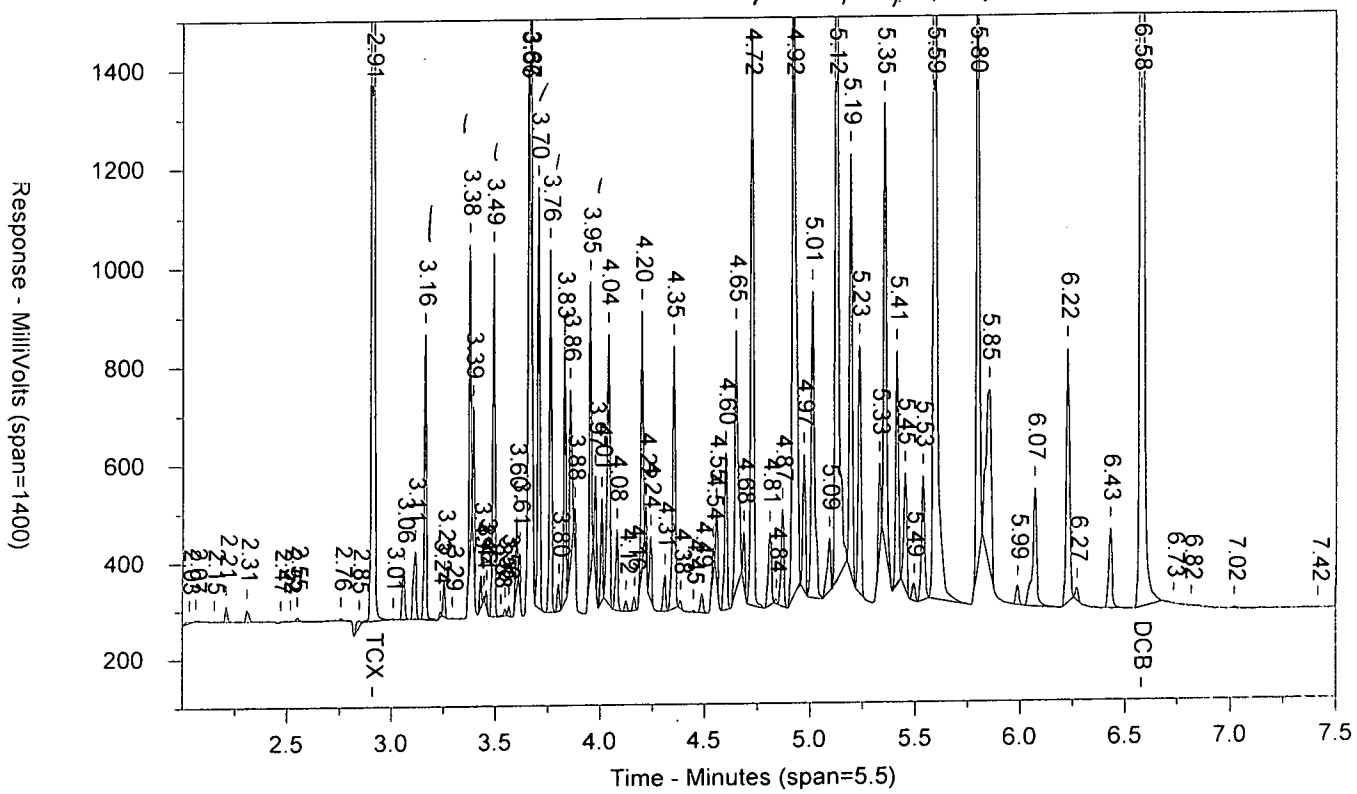

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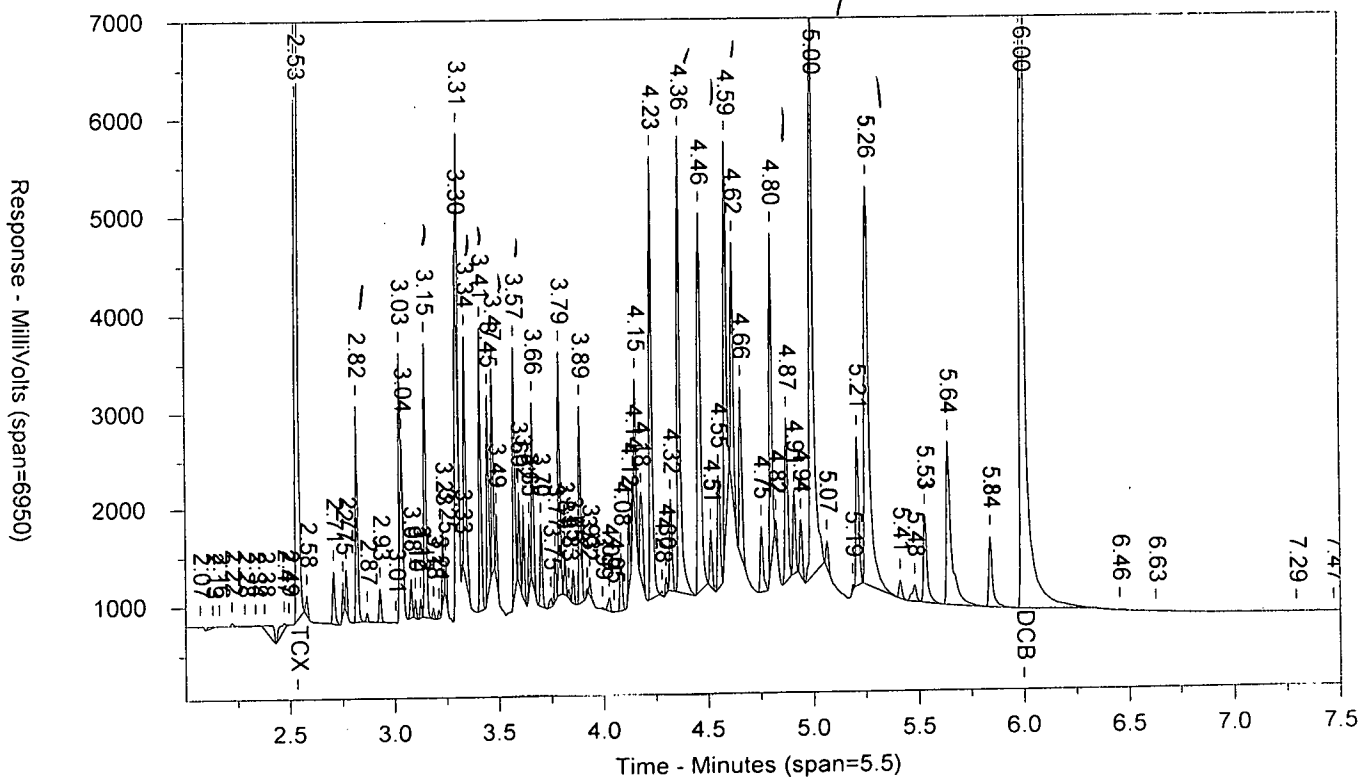

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:45:24 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	7740983	42.805	TCX	2.534	26091290	43.111	TCX
6.577	5171399	42.48	DCB	5.998	17219080	41.21	DCB

Files:
Area File: 20PCBs17275001.010.RAW
Area File: 20PCBs17275001B.010.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 9:54:06 PM
File Reported On: 10/2/2017 at 9:56:07 PM

AR1641724B AAAR164AA ICAL 1727499999 10736 SW-846 8082

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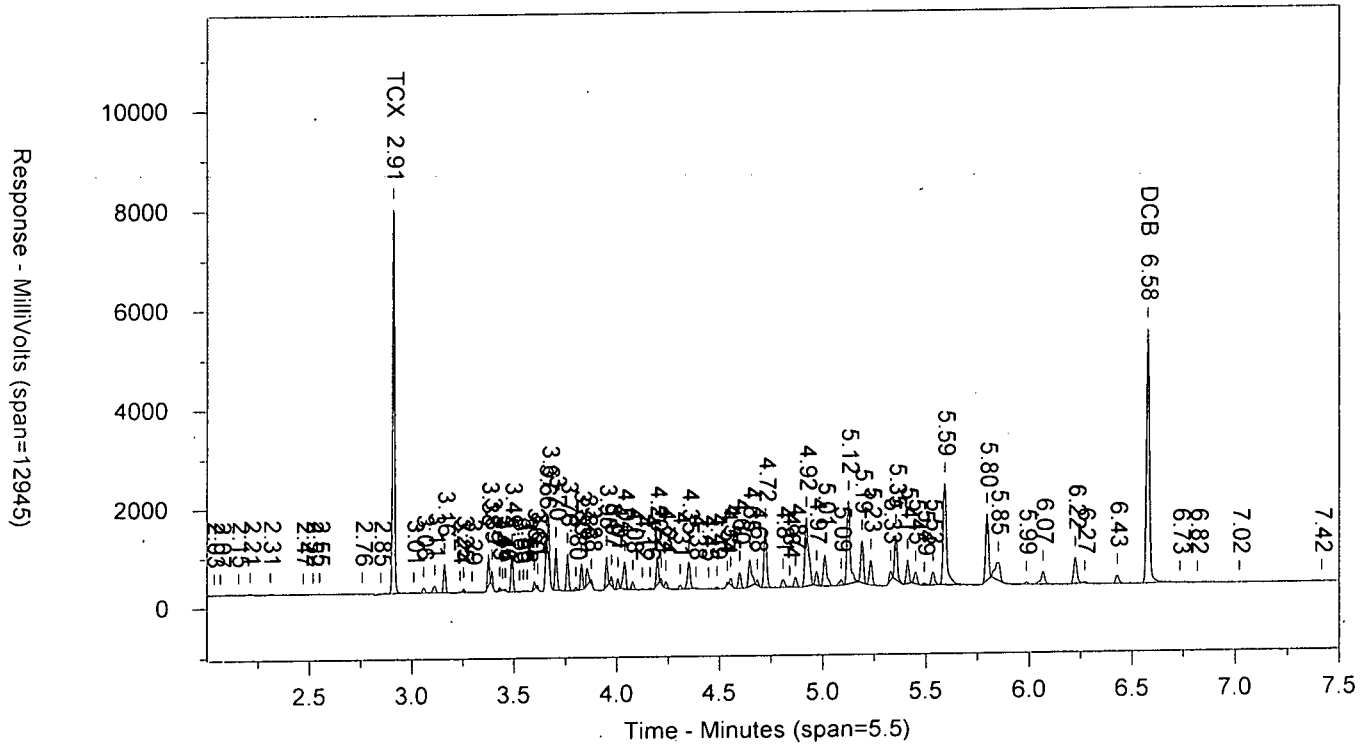

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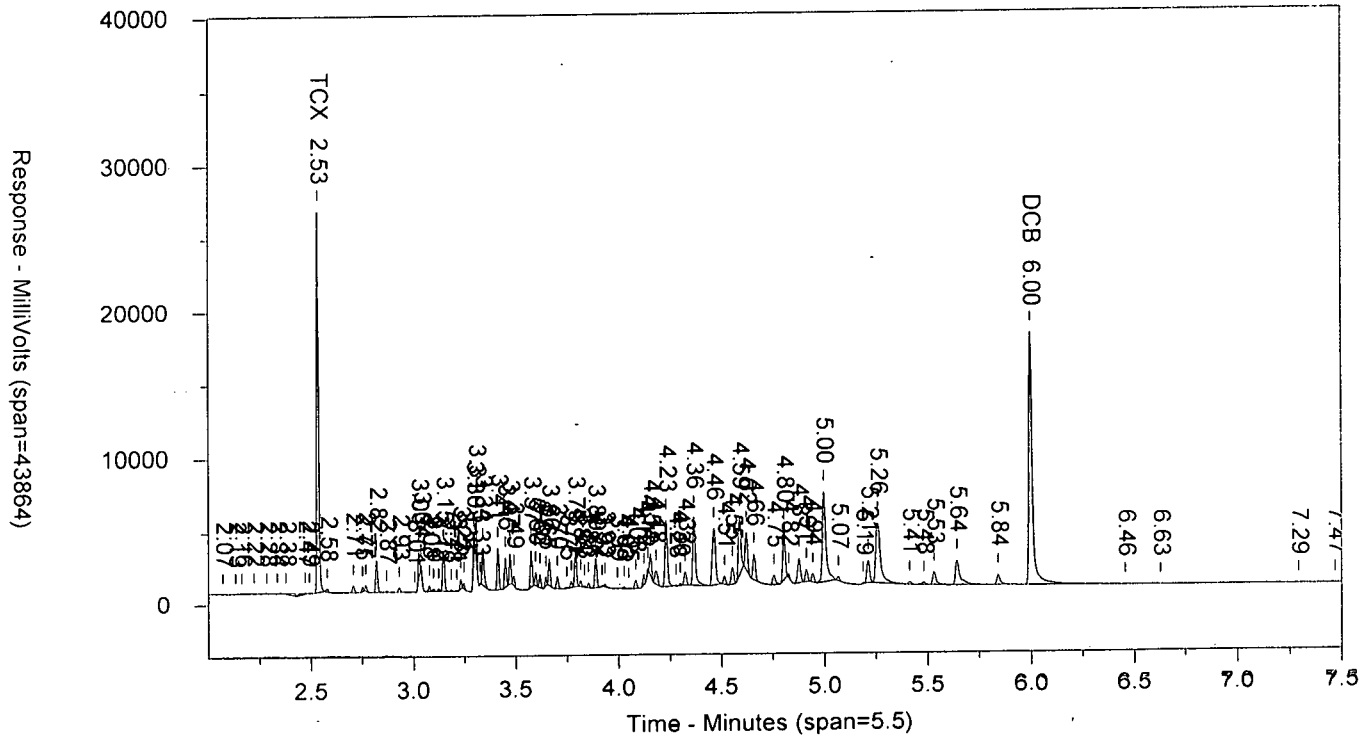

AR1641724B AAAR164AA ICAL 1727499999 10736 SW-846 8082

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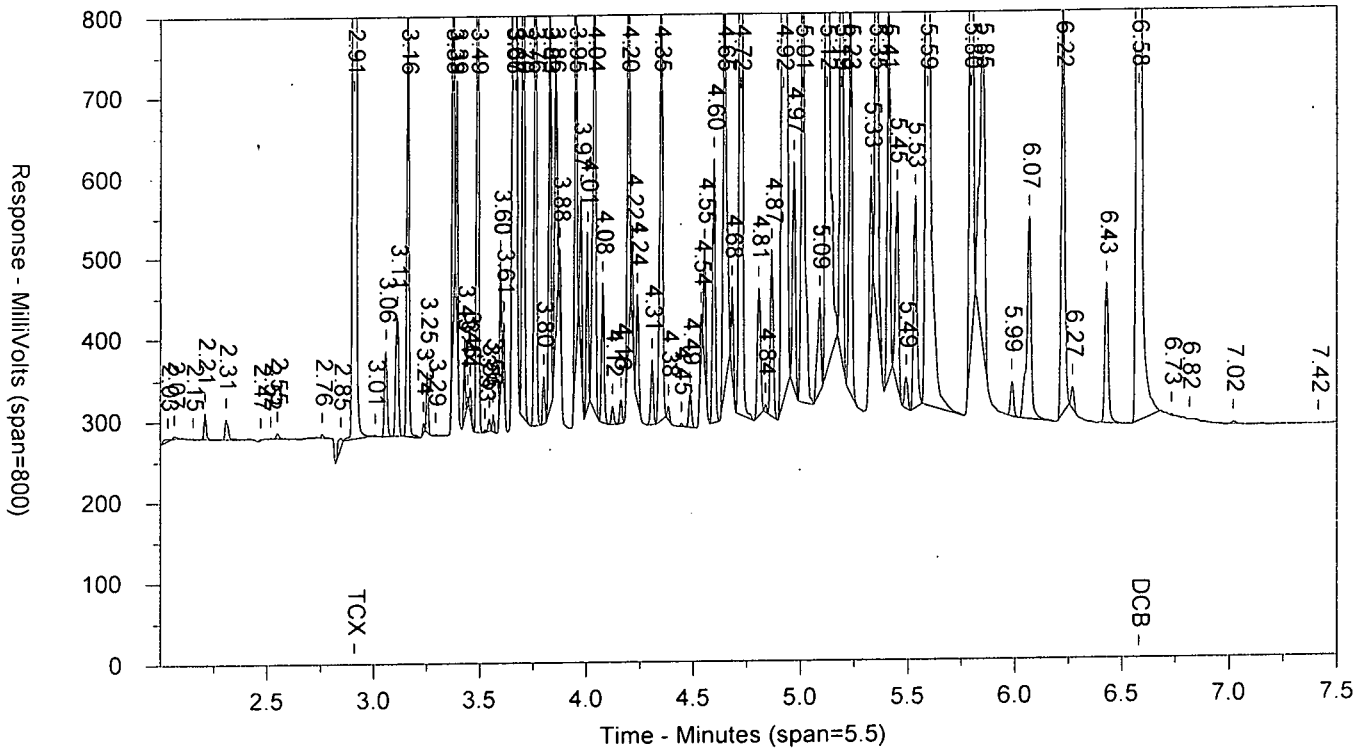

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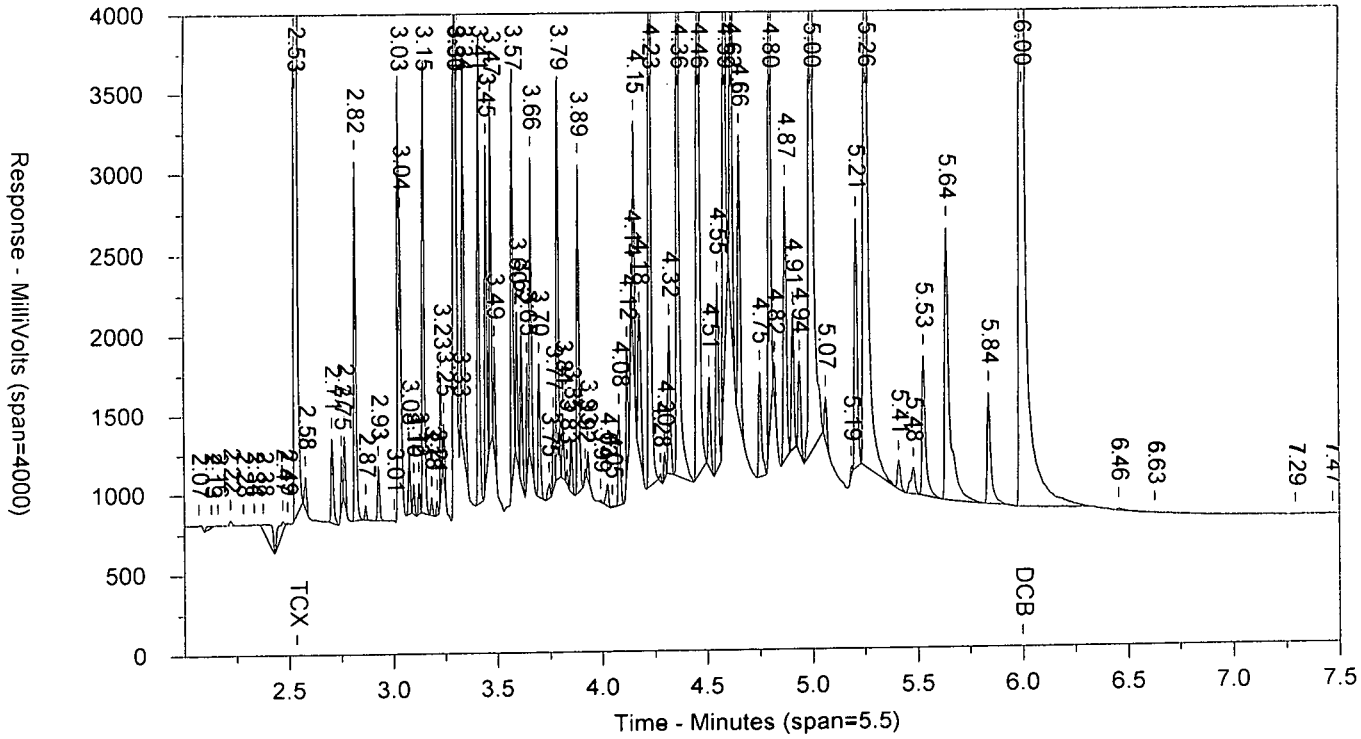

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:56:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.011.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.029		4608	9172
2.068		5732	13447
2.153		1271	2189
2.21		50012	37050
2.28		1142	683
2.31		34084	38732
2.49		2474	6406
2.549		18516	16038
2.66		987	693
2.728		1103	1624
2.758		14810	22999
2.839		5173	7418
2.91	TCX	12205860	8058232
3.008		3302	1767
3.058		249930	222492
3.114		328907	287788
3.161		1473706	1013015
3.236		16499	8645
3.254		178848	114371
3.296		4878	3555
3.376		1615683	930392
3.392		705903	372031
3.429		171144	98870
3.445		25363	9344
3.457		75966	37359
3.49		1848095	1355494
3.527		7939	4155
3.546		26258	15879
3.565		54223	34652
3.6		381569	221784
3.615		201970	94983
3.658		937241	489830
3.668		2029355	954351
3.705		2228804	1580543
3.761		1905488	1358990
3.802		140946	95840
3.83		1277710	916441
3.857		865940	725453
3.878		205993	102682
3.952		1458001	1003721
3.976		494087	318104
4.006		514008	359973
4.039		1393529	1309955
4.079		424871	333270
4.126		53625	43782
4.164		75289	55407
4.197		1386127	968175
4.217		247657	129083
4.239		333845	245372
4.309		189077	156871
4.351		1400403	1253308
4.384		35857	25907
4.447		9981	7388
4.488		94213	87159

RT A	Compound A	Height A	Area A
4.538		152672	95022
4.555		322664	219746
4.599		841442	720263
4.648		1415821	1469603
4.684		285247	195700
4.723		3123785	2886142
4.808		403846	419850
4.84		22473	13902
4.868		507186	469170
4.92		3569117	4336312
4.971		702474	623185
5.011		1679405	1820493
5.091		288284	335905
5.124		4573214	4561792
5.166		26872	12371
5.192		2232346	1996936
5.234		1273037	1228765
5.329		478481	372351
5.354		2314212	2049808
5.411		1168982	1052287
5.45		643115	611173
5.493		93480	99694
5.535		663038	731658
5.592		5538931	6183179
5.797		3634373	3383595
5.828		114941	66592
5.852		781617	879466
5.988		91768	90541
6.069		615125	845402
6.226		1400702	1434986
6.27		67260	60776
6.428		412080	441262
6.577	DCB	7983744	8262744
6.731		2426	1889
7.025		4886	7198
7.567		1203	2176
8.016		1277	1786
8.523		7025	16246

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:56:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.011.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.08		40962	51268
2.129		18181	59396
2.16		6204	7587
2.221		79202	68443
2.284		6175	5718
2.334		6409	7521
2.385		2466	3210
2.471		69079	102596
2.492		9769	5991
2.535	TCX	40938570	25056580
2.579		452870	322451
2.707		1202506	906077
2.752		452307	227610
2.768		1014486	576856
2.819		4955473	3321755
2.868		140691	80507
2.93		798429	532154
3.006		16220	8500
3.026		3772423	1828008
3.037		1293984	518591
3.077		907617	555066
3.098		435243	249584
3.124		444298	250673
3.147		6512912	4448833
3.185		270266	161769
3.212		143003	73156
3.231		1607179	851986
3.246		909756	445311
3.296		2704692	1418524
3.305		5582969	2407524
3.325		244702	78938
3.339		5835007	4129360
3.412		6805225	4353487
3.449		4756706	3050350
3.471		5024243	2809421
3.489		1595754	801451
3.574		5946663	3905828
3.596		2274378	1204483
3.617		2171490	1320339
3.645		1487133	775156
3.663		4491821	2748630
3.702		1951427	1354933
3.748		215578	182833
3.769		1045854	604155
3.79		5812087	3863263
3.815		997656	589472
3.833		223685	108299
3.854		779875	503070
3.888		4881332	3486370
3.92		169820	82931
3.934		408725	236168
3.994		39854	24258
4.026		322421	260421
4.053		17310	16489

RT B	Compound B	Height B	Area B
4.083		1374178	1037793
4.123		1607402	1004921
4.141		799029	420439
4.154		3612174	2171185
4.179		2047201	2073615
4.23		11796530	9216741
4.278		126521	69309
4.298		442403	261606
4.322		2282748	1818193
4.364		12178820	10676060
4.463		10127550	10874300
4.514		1377749	1107891
4.552		3032088	2566977
4.587		10368170	9022098
4.619		6466754	4783293
4.657		4533580	3710717
4.754		1744129	1614513
4.803		8497739	6857156
4.825		603415	367698
4.875		4029895	3775047
4.91		2047805	1714955
4.942		1472103	1251352
4.974		104127	64034
4.996		17747430	18096710
5.066		684324	547868
5.187		182287	111787
5.21		3811441	3588631
5.257		11182540	15983060
5.411		405809	396535
5.461		38018	33687
5.48		273623	227945
5.529		2186282	2509056
5.64		4314138	6372217
5.84		1578389	1919376
5.998	DCB	29414960	30969380
6.457		17869	42236
6.626		4544	5297
6.889		2154	1486
7.082		2669	1253
7.459		2920	4169
7.793		2388	4102
8.013		21453	39425
8.341		2015	856

AR1651724B AAAR165AA ICAL 1727499999 10736 SW-846 8082

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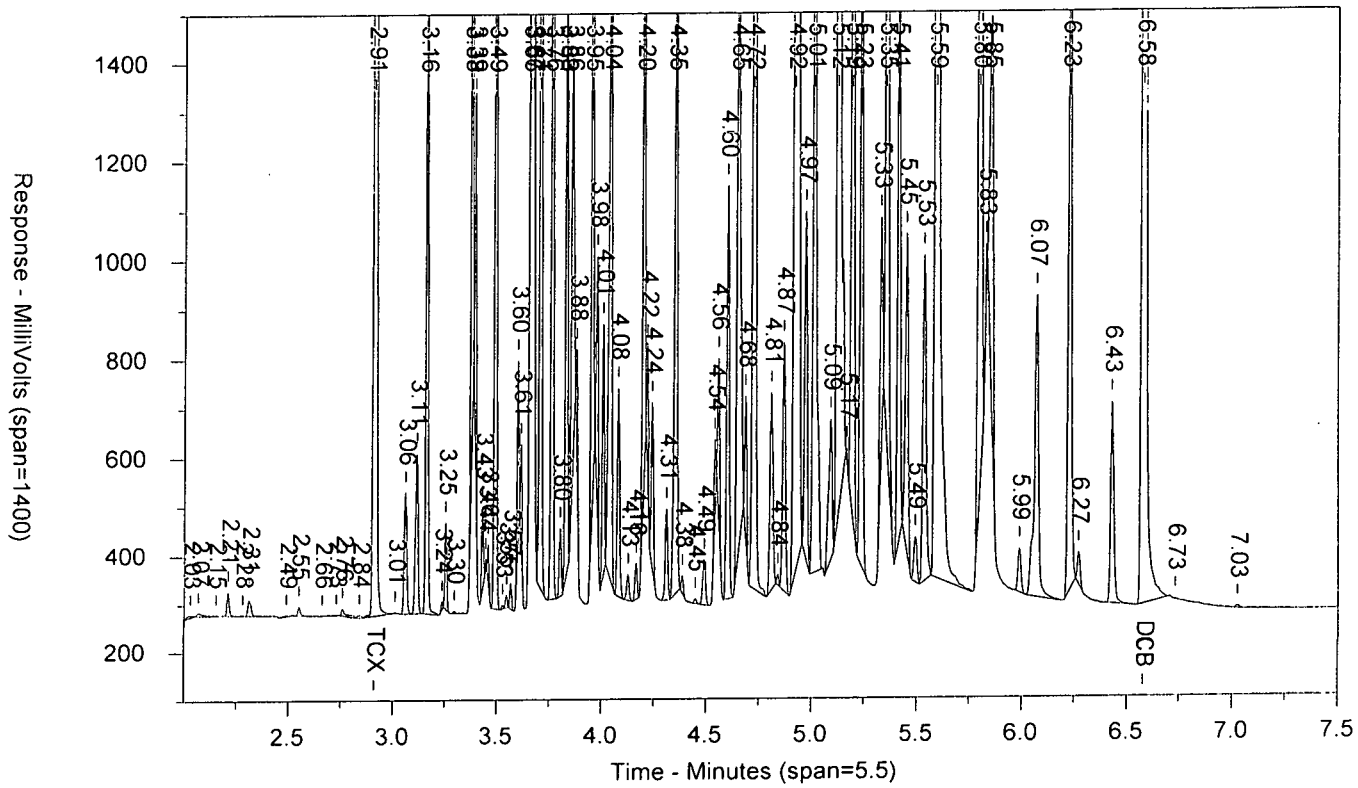

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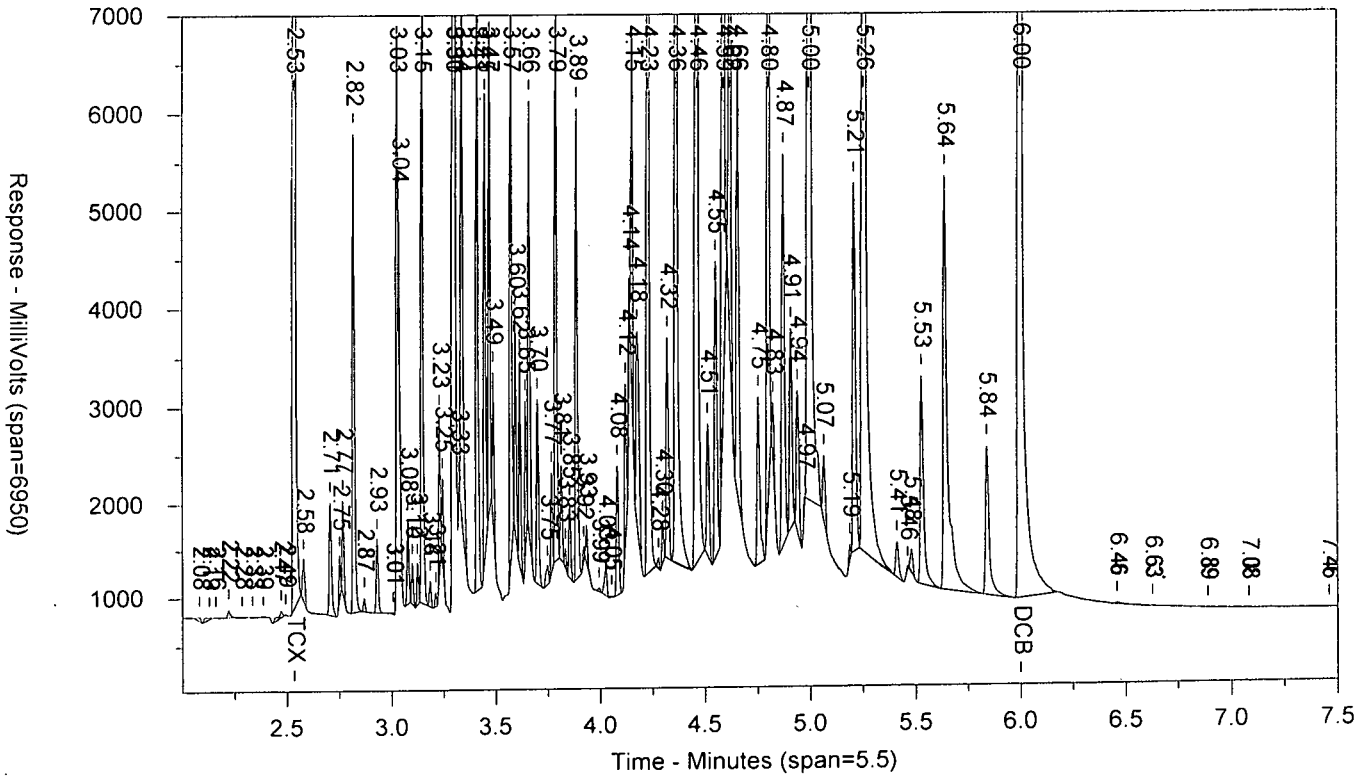

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 9:56:49 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	12205860	66.53	TCX	2.535	40938570	65.231	TCX
6.577	7983744	64.639	DCB	5.998	29414960	68.253	DCB

Files:
Area File: 20PCBs17275001.011.RAW
Area File: 20PCBs17275001B.011.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 10:05:34 PM
File Reported On: 10/2/2017 at 10:05:45 PM

AR1651724B AAAR165AA ICAL 1727499999 10736 SW-846 8082

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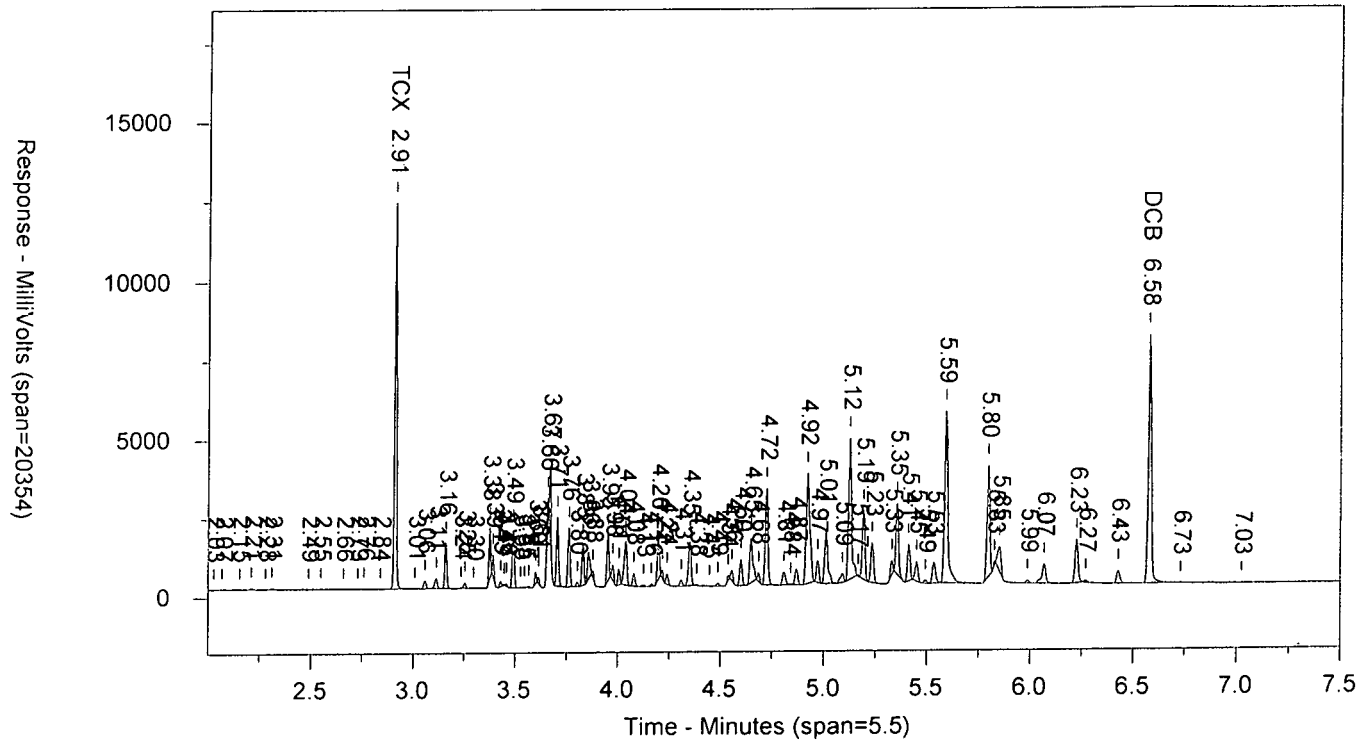

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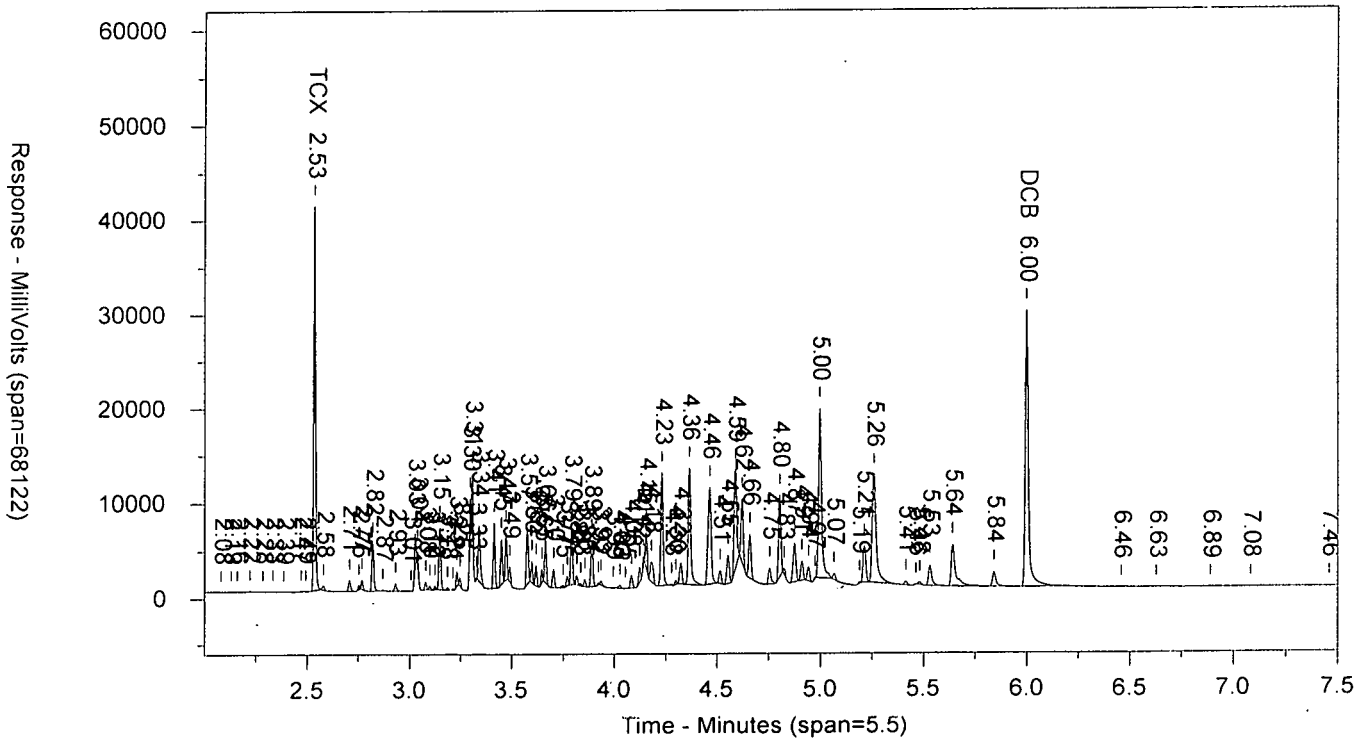

AR1651724B AAAR165AA ICAL 1727499999 10736 SW-846 8082

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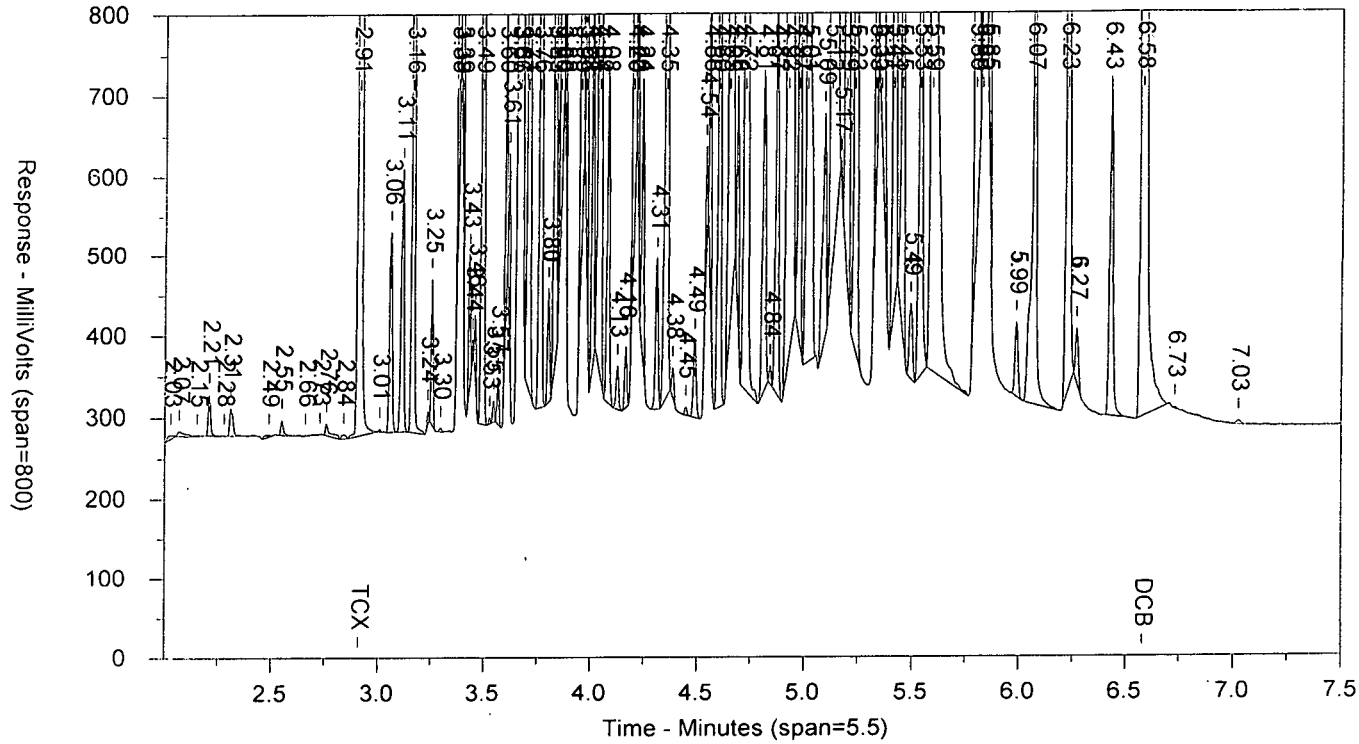

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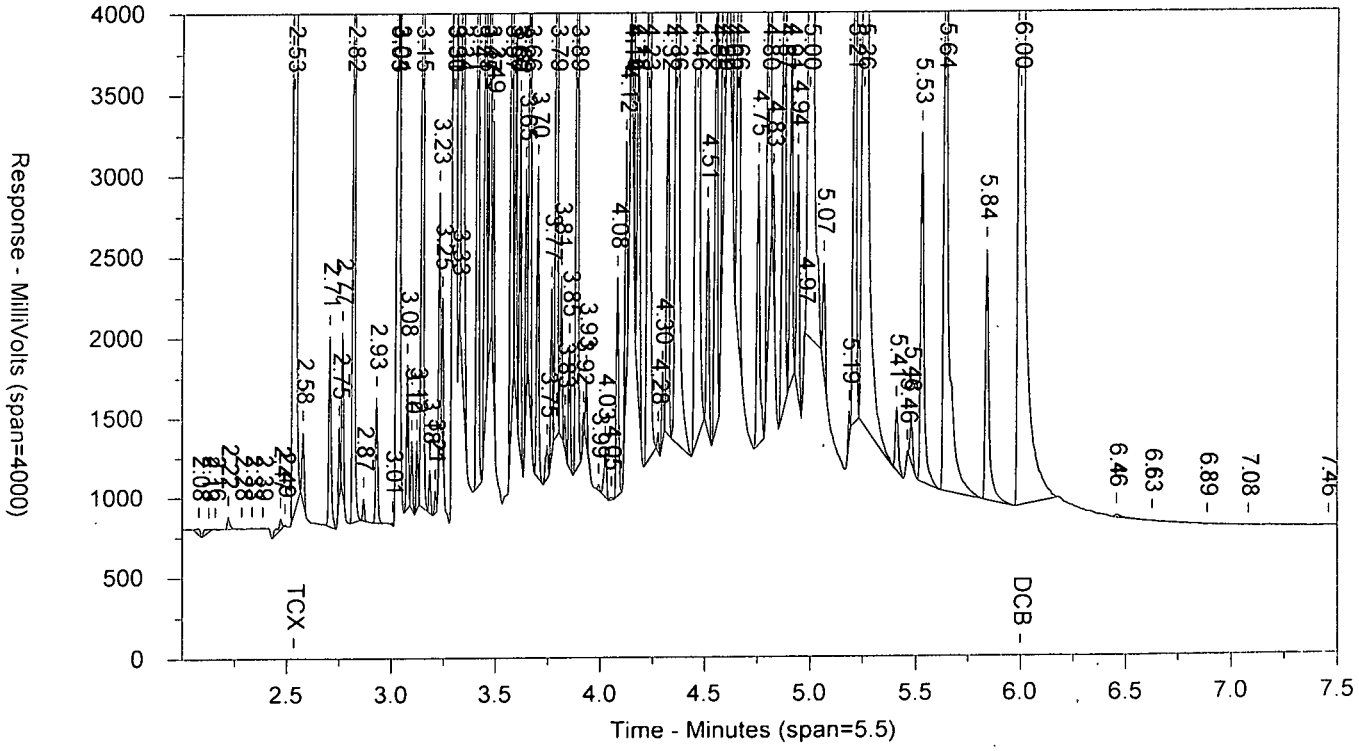

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:08:06 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.012.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.031		4762	9917
2.067		4883	9831
2.21		64044	47385
2.317		29569	39004
2.413		1167	920
2.471		2959	2796
2.52		1891	1531
2.549		34057	27898
2.728		1079	832
2.759		13159	12496
2.826		3491	6600
2.91	TCX	15945210	10494070
3.007		3940	2415
3.058		488182	419954
3.113		593318	492029
3.16		2837388	1933635
3.236		17933	8845
3.253		324003	218488
3.294		8718	5799
3.375		2993867	1785942
3.391		1402144	733787
3.428		330943	187940
3.443		56146	21053
3.455		142599	71253
3.488		3660453	2612090
3.525		15300	7998
3.544		33269	19714
3.563		105905	68257
3.597		760377	429304
3.612		367811	177005
3.655		2013214	1023564
3.666		4094109	1981623
3.703		4475485	3117492
3.759		3744978	2699098
3.799		253303	179957
3.827		2389785	1759816
3.854		1772164	1434775
3.876		390724	188152
3.925		1976	750
3.949		2905384	1976510
3.973		947111	599446
4.004		1007244	696148
4.037		2894448	2600066
4.076		813942	637288
4.123		108111	86161
4.162		142020	107121
4.195		2627741	1875953
4.214		476923	245808
4.237		673689	488732
4.307		359179	299165
4.349		2771974	2453578
4.382		74484	52346
4.444		19584	14821
4.486		194597	177600

RT A	Compound A	Height A	Area A
4.536		311814	189999
4.553		579658	403940
4.597		1590530	1421658
4.645		2738533	2881168
4.682		566882	391697
4.721		6469685	5624976
4.765		15076	10635
4.806		804528	835131
4.839		46490	27994
4.867		995841	908618
4.919		6989586	8572691
4.969		1362530	1218093
5.009		3522320	3649670
5.05		19890	8575
5.089		568967	659100
5.123		8971252	9237404
5.165		66759	28762
5.189		4463359	3960909
5.232		2611963	2435943
5.327		1012243	811835
5.353		4649759	4117229
5.409		2322103	2081527
5.448		1229683	1211631
5.49		184464	198915
5.533		1343377	1472651
5.59		11325390	12195710
5.795		7541382	6909922
5.826		268524	179456
5.851		1602835	1750306
5.987		155450	151131
6.067		1320558	1604645
6.223		2839094	2838328
6.269		135699	127272
6.425		775340	816060
6.574	DCB	10351840	10825180
7.019		6042	7033
7.218		1212	1352
7.561		867	1172
7.707		1240	1122
7.874		1073	1350
8.304		924	1159
8.52		7491	18248

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:08:06 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.012.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.029		2690	2456
2.071		2954	2182
2.131		20290	70788
2.158		5258	6624
2.222		141936	124590
2.285		5621	3361
2.333		14819	188335
2.457		10207	34427
2.472		55752	34735
2.493		24826	15791
2.535	TCX	53456090	33105490
2.579		802239	618512
2.707		2109170	1597852
2.752		528622	255193
2.768		1857393	1084053
2.819		9223142	5997558
2.868		178165	102108
2.93		1413323	956314
3.006		17240	7623
3.027		6926151	3444007
3.037		2259697	896884
3.078		1629517	1003639
3.098		815163	461705
3.124		840919	468101
3.147		12171940	8170619
3.184		506757	308773
3.211		175150	85579
3.231		3005910	1593603
3.246		1685878	803055
3.296		5422199	2566034
3.305		12202460	5138831
3.325		411092	144126
3.338		11806080	7946980
3.412		13486110	8387452
3.448		9113406	5728264
3.471		9902130	5405357
3.488		3014841	1518139
3.573		11519970	7426725
3.595		4156896	2224840
3.616		4188714	2449499
3.644		2756378	1487933
3.661		9063101	5363584
3.7		3570447	2532202
3.747		438233	363225
3.767		2070018	1187963
3.789		11535410	7509088
3.813		2093826	1212092
3.832		430702	212800
3.853		1462488	936111
3.887		9650039	6711552
3.919		395191	213064
3.933		758408	444275
3.992		77026	46189
4.025		604042	532130

RT B	Compound B	Height B	Area B
4.049		29850	26100
4.081		2735453	2004854
4.121		3110204	1894471
4.14		1930533	977387
4.153		7855664	4407256
4.179		3928813	4003873
4.229		24136640	18242620
4.277		259802	139957
4.297		984922	624698
4.321		4458372	3477685
4.363		26726230	21380450
4.461		20284670	21900870
4.512		2733385	2225281
4.551		5825794	5028264
4.586		23720160	19837230
4.618		14140610	10067240
4.655		9468001	7512162
4.752		3409585	3229429
4.801		18135830	13934430
4.823		1336705	805307
4.874		8369529	7452898
4.908		4226091	3513654
4.94		3252023	2610763
4.972		413001	271419
4.994		38233150	35534740
5.035		440520	237114
5.065		1412050	1120743
5.186		373976	225789
5.21		7602464	6921788
5.255		24870430	32106270
5.41		689110	648622
5.46		188769	131491
5.479		444139	328177
5.528		4340505	4708356
5.639		8847749	11881660
5.839		2865730	3372486
5.997	DCB	39014250	40714560
6.174		12233	21713
6.454		24143	37775
7.168		4176	7678
7.282		2505	2553
7.445		5246	10420
7.549		2936	4380
7.673		3738	5741
7.743		1984	2582
7.839		3148	5310
8.01		19723	33591
8.137		2231	2348

AR1661724A AAAR166AA ICAL 1727499999 10736 SW-846 8082

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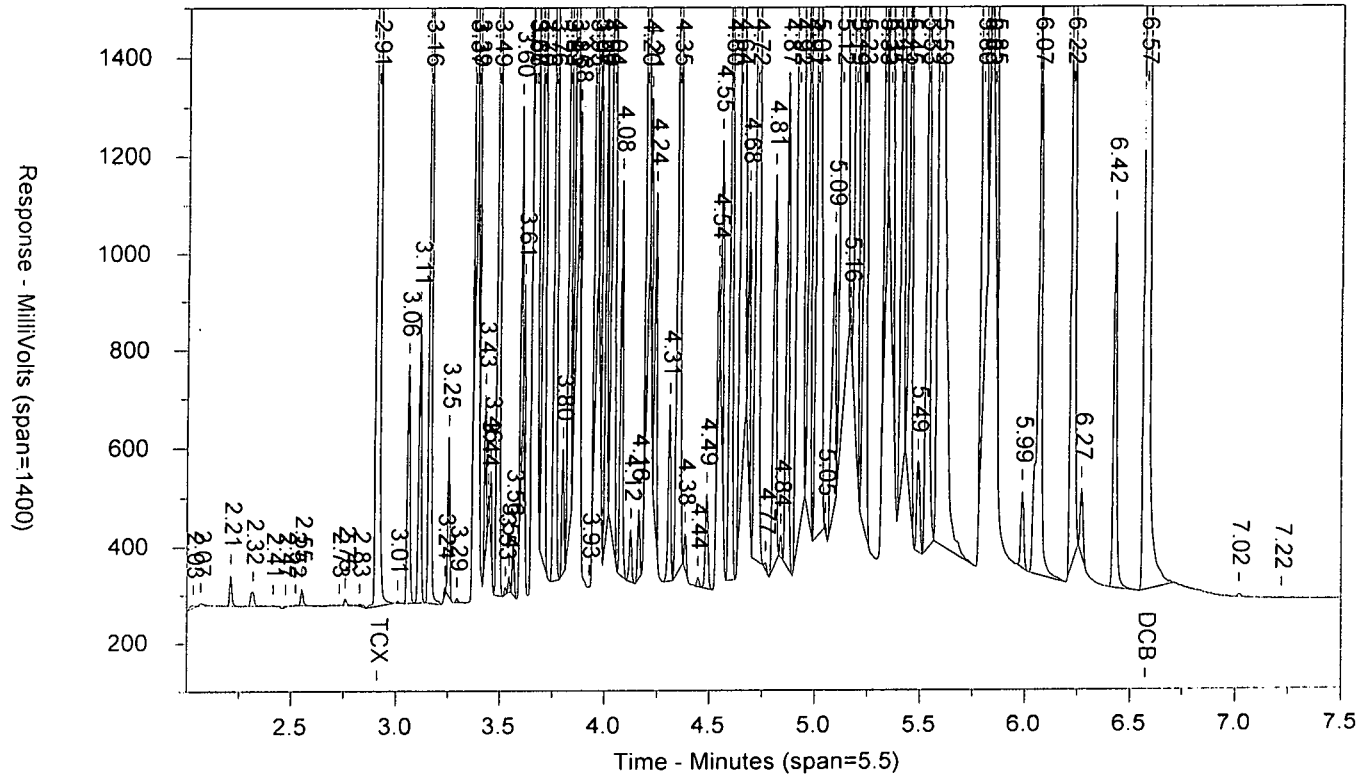

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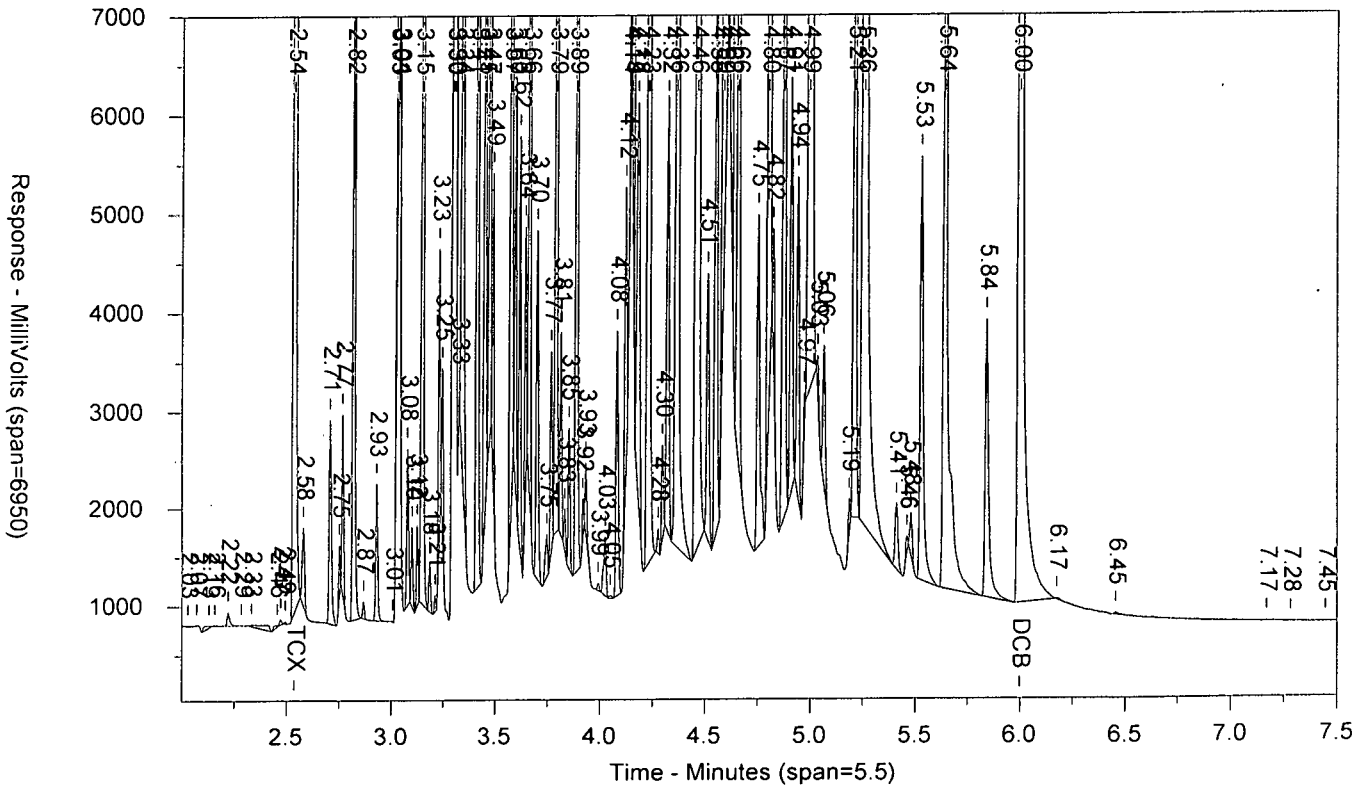

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:08:06 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	15945210	85.038	TCX	2.535	53456090	81.93	TCX
6.574	10351840	82.306	DCB	5.997	39014250	86.267	DCB

Files:
Area File: 20PCBs17275001.012.RAW
Area File: 20PCBs17275001B.012.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 10:16:50 PM
File Reported On: 10/2/2017 at 10:17:03 PM

AR1661724A AAAR166AA ICAL 1727499999 10736 SW-846 8082

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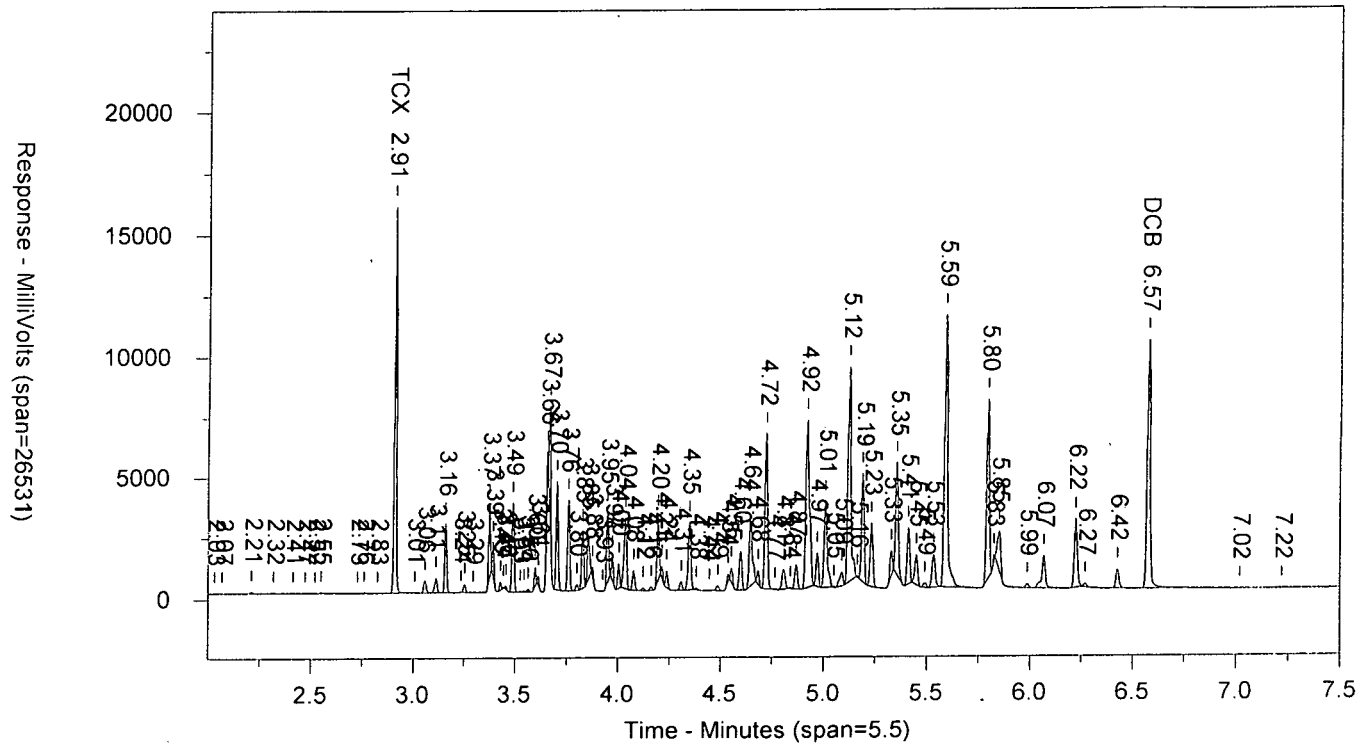

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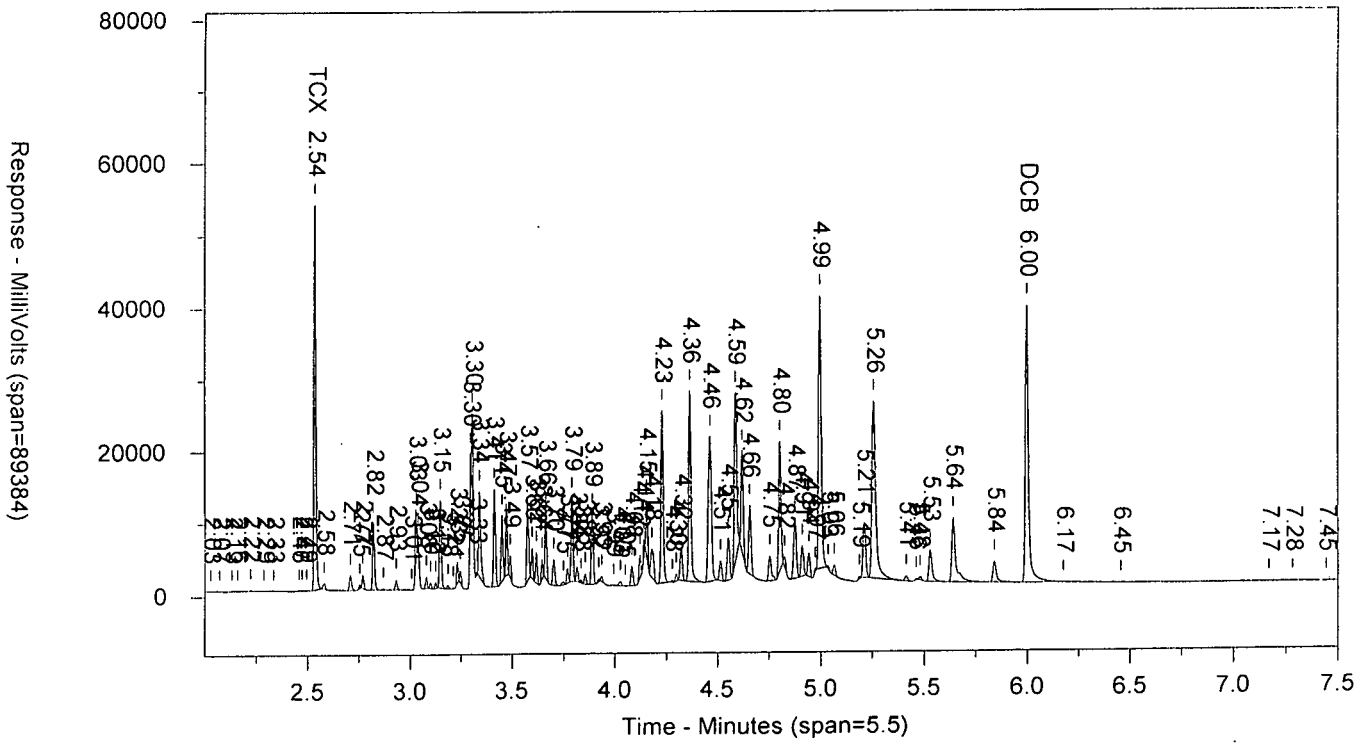

AR1661724A AAAR166AA ICAL 1727499999 10736 SW-846 8082

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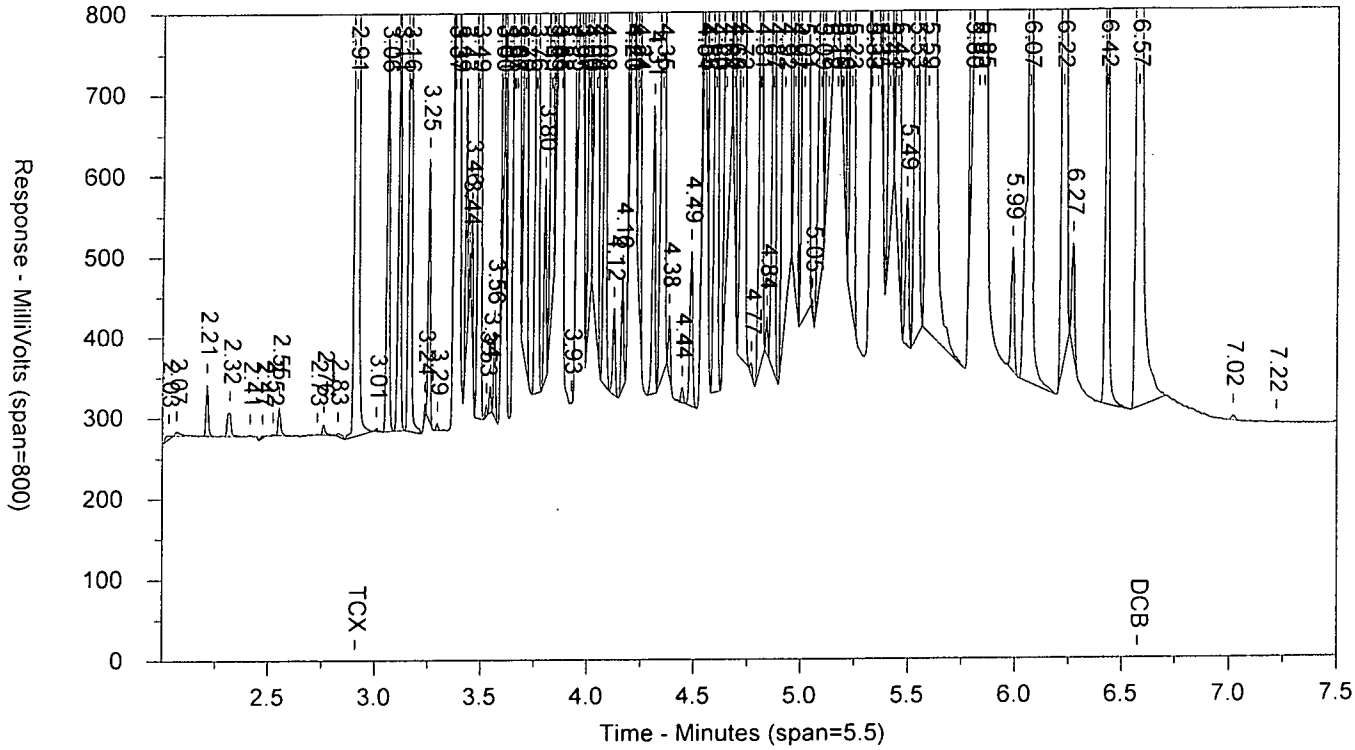

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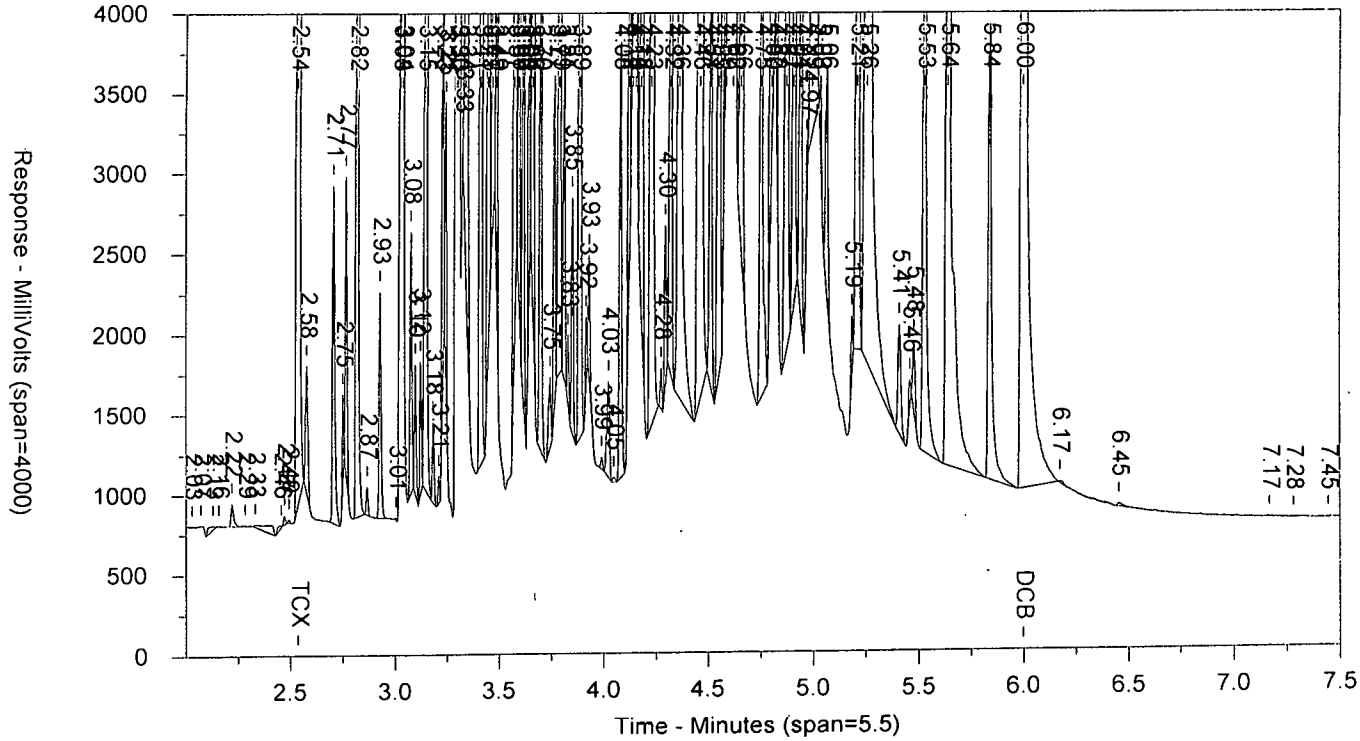

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:19:38 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.013.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.034		2883	6476
2.07		3003	3773
2.155		16528	36424
2.209		1769	1549
2.309		22613	15732
2.496		1592	4928
2.685		679	1043
2.759		6422	8334
2.801		5911	8966
2.844		5034	8021
2.91	TCX	356623	245784
3.06		4412	4778
3.108		5008	5586
3.162		18381	17682
3.254		4213	5586
3.376		48832	29400
3.393		14424	7372
3.429		3029	1559
3.49		45757	33742
3.548		1895	1047
3.567		2225	1504
3.6		8431	4799
3.658		39411	20781
3.668		32701	15998
3.706		54841	42804
3.761		59634	43703
3.803		8267	5622
3.829		106020	75577
3.856		65355	50942
3.878		16017	8203
3.952		116392	81688
3.976		32381	20621
4.007		38216	27190
4.039		88016	81017
4.079		30518	23969
4.125		1864	1202
4.144		1515	853
4.163		7556	5355
4.197		69822	47482
4.216		79888	49660
4.239		85013	65124
4.308		9041	7954
4.344		87722	119159
4.385		23402	15808
4.447		4894	3681
4.488		25684	23649
4.538		36922	30970
4.57		19724	15571
4.599		61678	54891
4.647		1691	1251
4.682		21015	17971
4.722		6231	6821
4.769		4095	3691
4.81		29057	33999

RT A	Compound A	Height A	Area A
4.886		2567	2550
4.922		2770	1962
5.007		25059	40506
5.127		9199	8430
5.194		2437	1798
5.237		2051	2314
5.289		916	1486
5.332		2136	1965
5.39		2145	2912
5.597		3063	6748
5.797		3572	4089
5.853		1425	2516
5.985		1558	1909
6.225		1858	2182
6.431		2616	2941
6.576	DCB	252912	291951
6.892		940	1340
7.312		677	400
8.09		689	1101
8.517		6729	15345

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:19:38 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.013.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.082		20814	16852
2.134		8354	36936
2.158		4564	4561
2.197		2090	1469
2.279		10682	13729
2.333		7764	21037
2.472		30517	69599
2.495		2619	1881
2.535	TCX	1426330	941344
2.634		3221	4154
2.709		34378	44684
2.752		28482	19459
2.769		9726	5018
2.82		80058	53920
2.869		6223	6260
2.931		14316	8761
3.027		190674	97450
3.037		24693	8166
3.078		18325	10754
3.102		8133	6468
3.124		3446	1228
3.148		213975	145356
3.187		10746	9098
3.232		41825	21612
3.247		21476	23837
3.297		157319	77490
3.306		154881	61304
3.326		36470	14967
3.34		171610	108617
3.413		267624	177614
3.449		470827	300728
3.472		411810	234024
3.49		131181	65788
3.575		544370	361613
3.597		169724	93269
3.618		183244	110787
3.646		91021	45862
3.663		364078	220683
3.703		159606	107839
3.748		19584	17849
3.769		205193	120346
3.791		500309	333413
3.815		263165	160105
3.833		39744	18992
3.854		45611	26442
3.889		180457	125949
3.921		178314	106872
3.933		31047	9760
3.947		73176	36920
3.994		17712	10852
4.027		82391	56703
4.052		3692	3265
4.083		159375	124493
4.115		81802	58907

RT B	Compound B	Height B	Area B
4.142		212896	210669
4.232		97354	84729
4.267		7961	7049
4.301		23832	17898
4.365		15907	11714
4.46		25489	32574
4.512		44124	52949
4.548		8499	11939
4.591		24575	25027
4.804		7202	5748
4.83		9154	16029
4.896		2604	5201
5		11611	20867
5.189		2832	1756
5.216		5968	5110
5.262		9021	13765
5.416		8412	10914
5.484		6159	10301
5.748		2415	2154
5.843		9804	25701
5.999	DCB	988382	1349050
6.22		2574	1546
6.682		3102	7012
6.924		1784	1563
7.138		1787	1709
7.283		3128	3370
7.455		1779	2711
7.57		2845	4766
8.01		22353	43842
8.582		1970	1351

AR4811724C AAAR481AA ICAL 1727499999 10736 SW-846 8082

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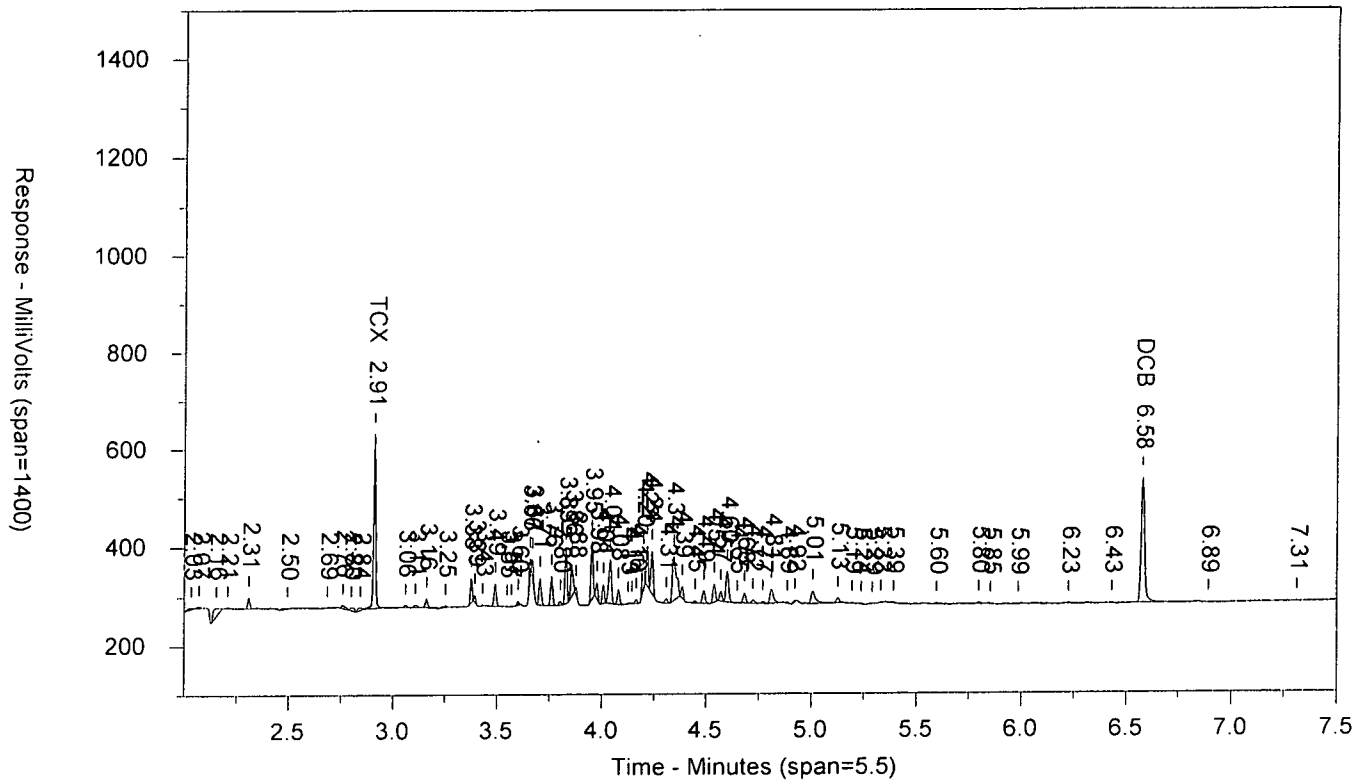

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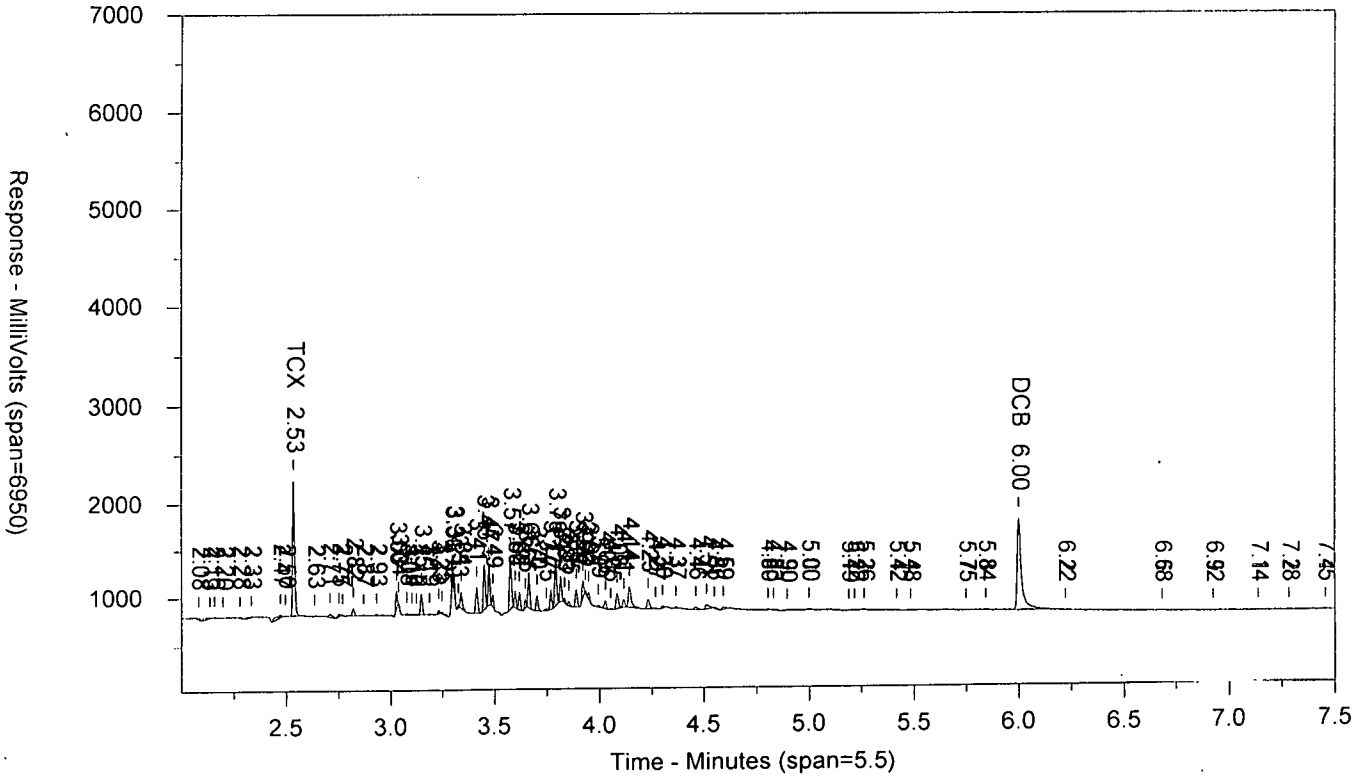

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:19:38 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	356623	1.869	TCX	2.535	1426330	2.121	TCX
6.576	252912	1.974	DCB	5.999	988382	2.1	DCB

Files:
Area File: 20PCBs17275001.013.RAW
Area File: 20PCBs17275001B.013.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 10:28:21 PM
File Reported On: 10/2/2017 at 10:28:37 PM

AR4811724C AAAR481AA ICAL 1727499999 10736 SW-846 8082

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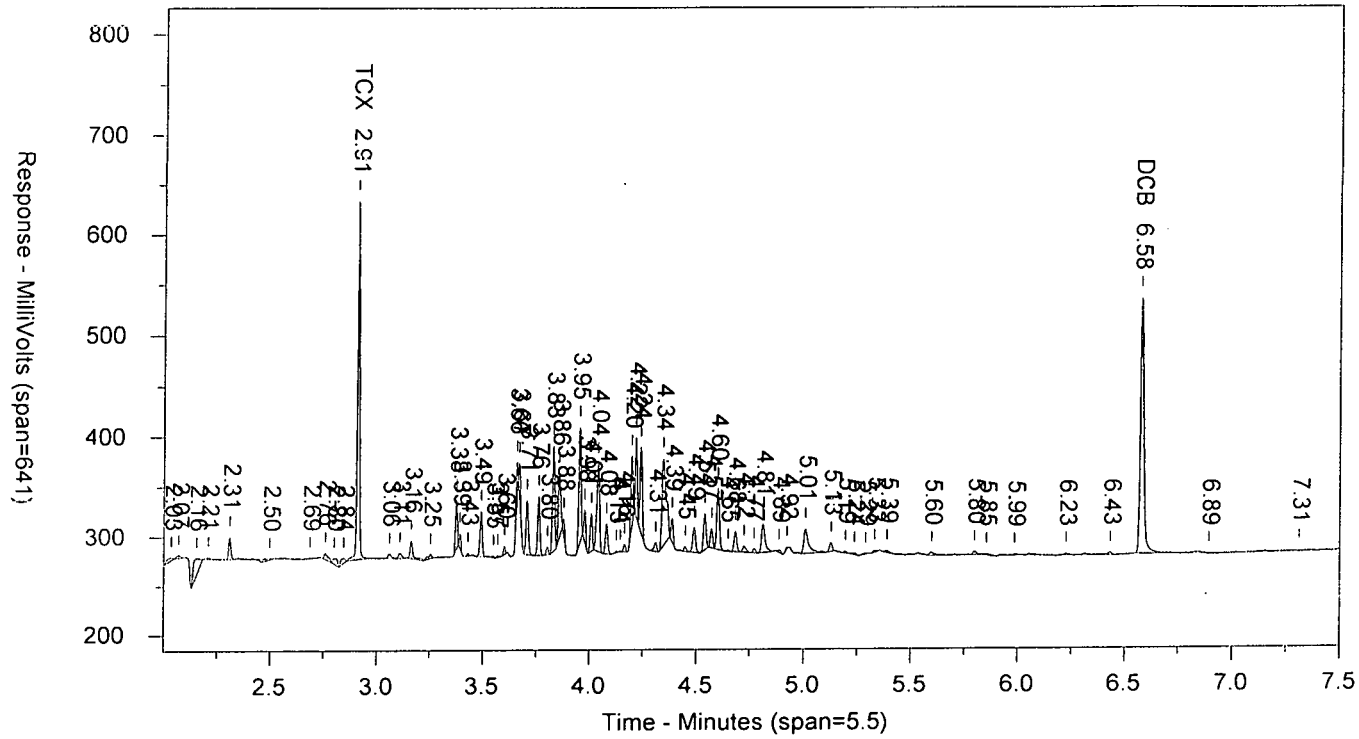

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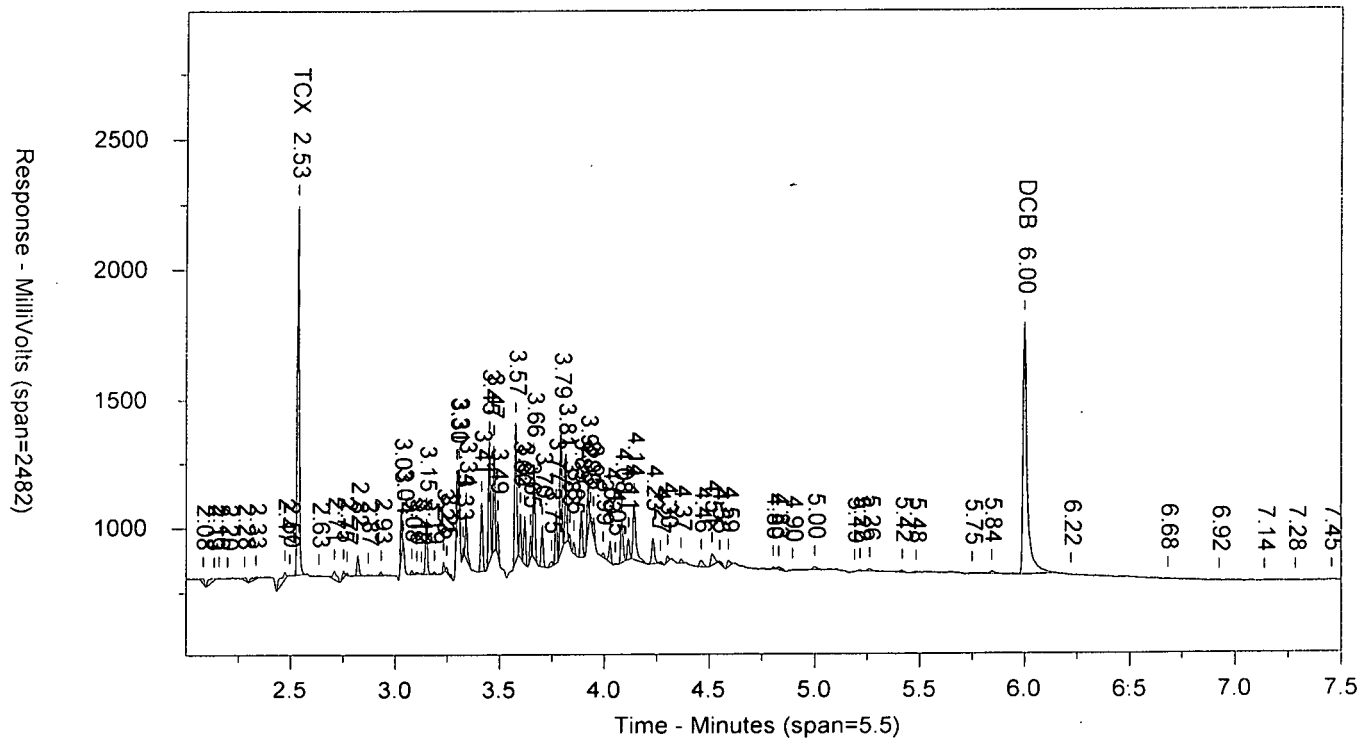

AR4811724C AAAR481AA ICAL 1727499999 10736 SW-846 8082

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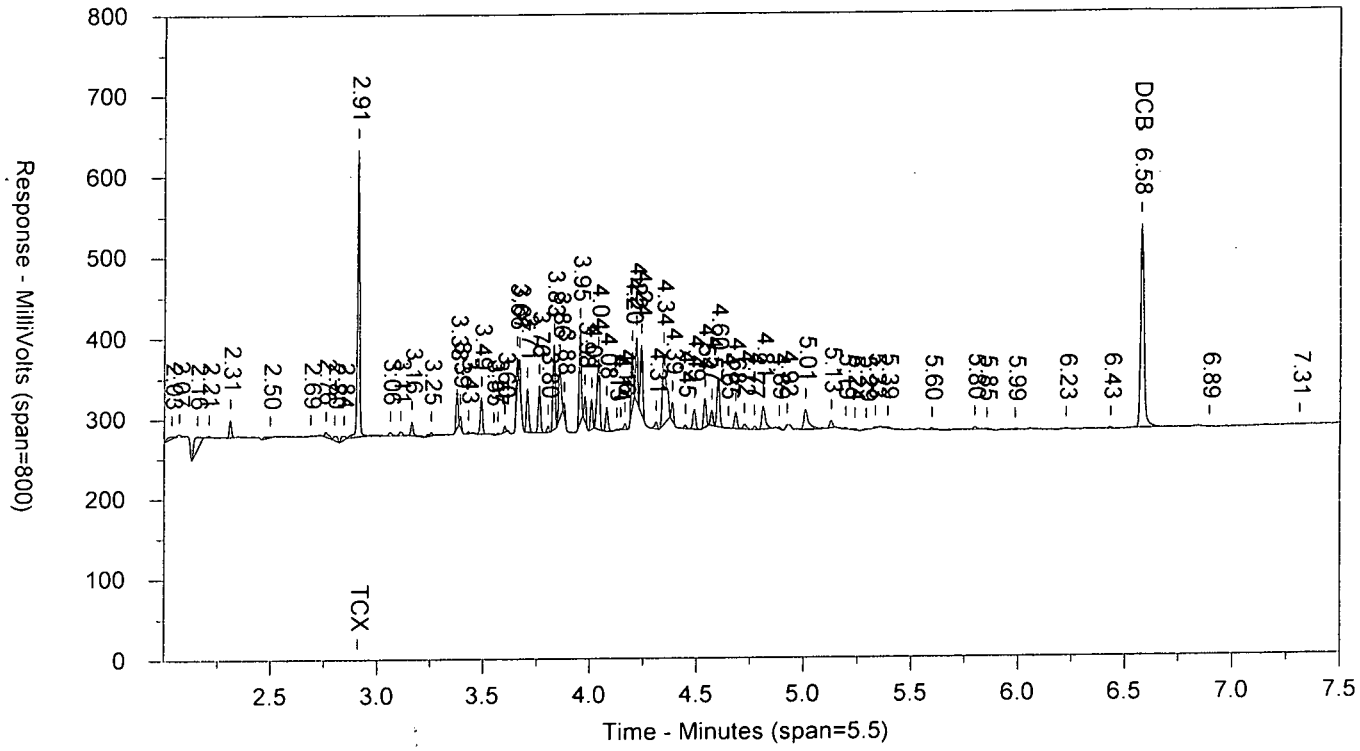

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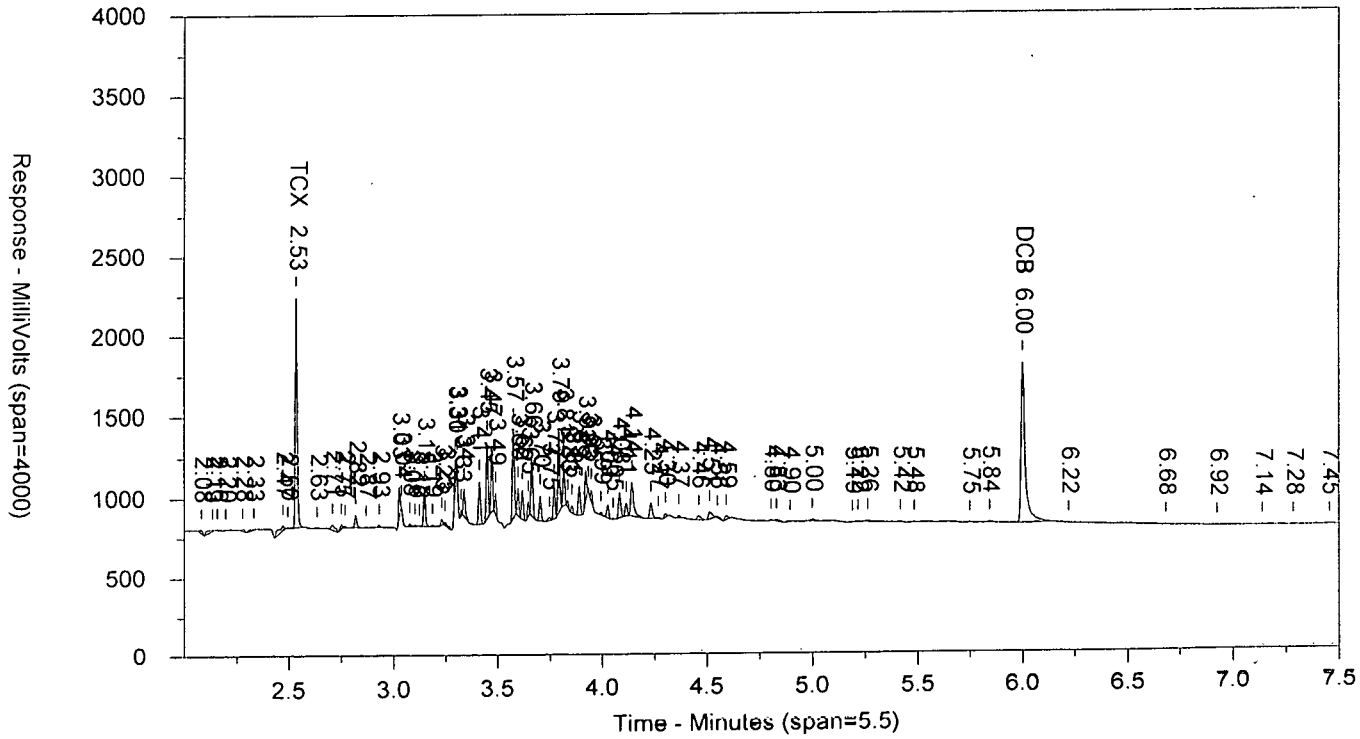

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:30:59 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.014.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.041		2539	8142
2.066		5025	8139
2.14		1277	501
2.21		3845	3472
2.309		84770	60798
2.449		5104	3418
2.517		5651	13168
2.586		1920	1461
2.688		1020	1472
2.758		17977	33378
2.846		5744	9468
2.909	TCX	715564	494676
2.998		2354	2133
3.059		8433	7918
3.107		10399	10037
3.161		31418	21763
3.236		2705	1836
3.254		6128	4135
3.339		726	577
3.375		87927	52825
3.392		27173	13467
3.428		5514	2978
3.445		2082	1779
3.489		81881	60705
3.542		2171	1384
3.566		4029	2751
3.598		14958	8942
3.655		76429	41241
3.666		65076	29933
3.702		98029	76378
3.759		107051	78619
3.8		15260	10496
3.828		192608	138837
3.854		120652	95678
3.876		29588	14896
3.949		212871	150907
3.973		59004	37435
4.004		72200	50234
4.037		164575	150845
4.077		57150	44471
4.123		3716	2383
4.162		15541	11365
4.194		139489	91066
4.214		155762	98162
4.237		175471	127946
4.306		16382	14347
4.341		169221	225968
4.382		41790	28950
4.421		2503	1664
4.445		9352	6973
4.486		49372	43298
4.536		68204	58352
4.567		39641	30101
4.597		114920	104469

RT A	Compound A	Height A	Area A
4.645		2397	1566
4.68		39140	36796
4.721		11143	12702
4.767		8616	7627
4.808		58251	66602
4.886		6856	9486
4.919		12201	21399
4.968		1366	1092
5.005		51351	68034
5.123		19918	24660
5.189		3353	2825
5.234		2693	3047
5.296		1203	3037
5.329		4782	4049
5.352		2087	1469
5.533		2612	2982
5.592		4934	8732
5.797		5258	6034
5.851		3023	5806
5.921		1213	1955
5.986		2801	3122
6.05		2089	3220
6.221		2351	2827
6.427		5530	6165
6.574	DCB	536960	590241
7.233		932	441
7.437		587	1475
7.703		1004	2378
8.514		6898	15712

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:30:59 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.014.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.038		34580	68618
2.079		43735	40937
2.129		16201	46542
2.16		14172	13246
2.223		2630	1797
2.286		4686	5047
2.333		4906	7053
2.412		17533	19341
2.453		16599	33241
2.472		75655	61263
2.535	TCX	2740841	1798211
2.58		9771	5570
2.627		13509	9204
2.709		56805	68340
2.752		51161	33091
2.768		19489	9634
2.82		145189	99553
2.868		11642	9048
2.931		26985	17073
3.027		313279	164731
3.037		43246	14256
3.078		34460	19685
3.099		13625	11649
3.124		7341	3199
3.147		371827	257569
3.185		19968	13392
3.211		8237	3517
3.232		74598	39888
3.247		32303	30495
3.296		269408	126904
3.305		278492	110231
3.325		73497	29179
3.339		305665	198761
3.412		478681	314502
3.448		825929	526980
3.471		741261	411898
3.488		238118	120551
3.573		967974	638983
3.596		305379	167392
3.616		336281	200060
3.644		161682	82512
3.661		652841	399254
3.701		289214	198534
3.747		40702	36380
3.768		386322	229657
3.79		932420	620487
3.814		529243	325494
3.832		68223	32913
3.853		78215	46335
3.887		337732	234351
3.92		454537	389319
3.946		161504	83050
3.993		36937	23574
4.025		160909	113272

RT B	Compound B	Height B	Area B
4.052		6350	5665
4.082		312620	243695
4.113		164309	116250
4.14		443011	392756
4.23		189821	165457
4.266		23258	18005
4.299		95864	136612
4.364		35414	49725
4.458		47498	57436
4.511		112248	127134
4.548		14175	18522
4.59		55766	55564
4.617		7525	8495
4.803		11342	8319
4.827		18381	26992
4.906		10025	35315
4.999		20784	34624
5.064		4452	11784
5.212		12629	24250
5.259		16321	21142
5.412		13958	18032
5.48		10207	12400
5.532		5179	8345
5.642		8627	24918
5.841		19925	26689
5.998	DCB	1972265	2608639
6.45		3509	3612
7.283		3164	4519
7.457		3761	6326
7.613		2985	3043
7.727		2310	1478
8.007		23557	47019
8.108		1965	1615
8.297		2261	2836
8.561		1927	3720

AR4821724C AAAR482AA ICAL 1727499999 10736 SW-846 8082

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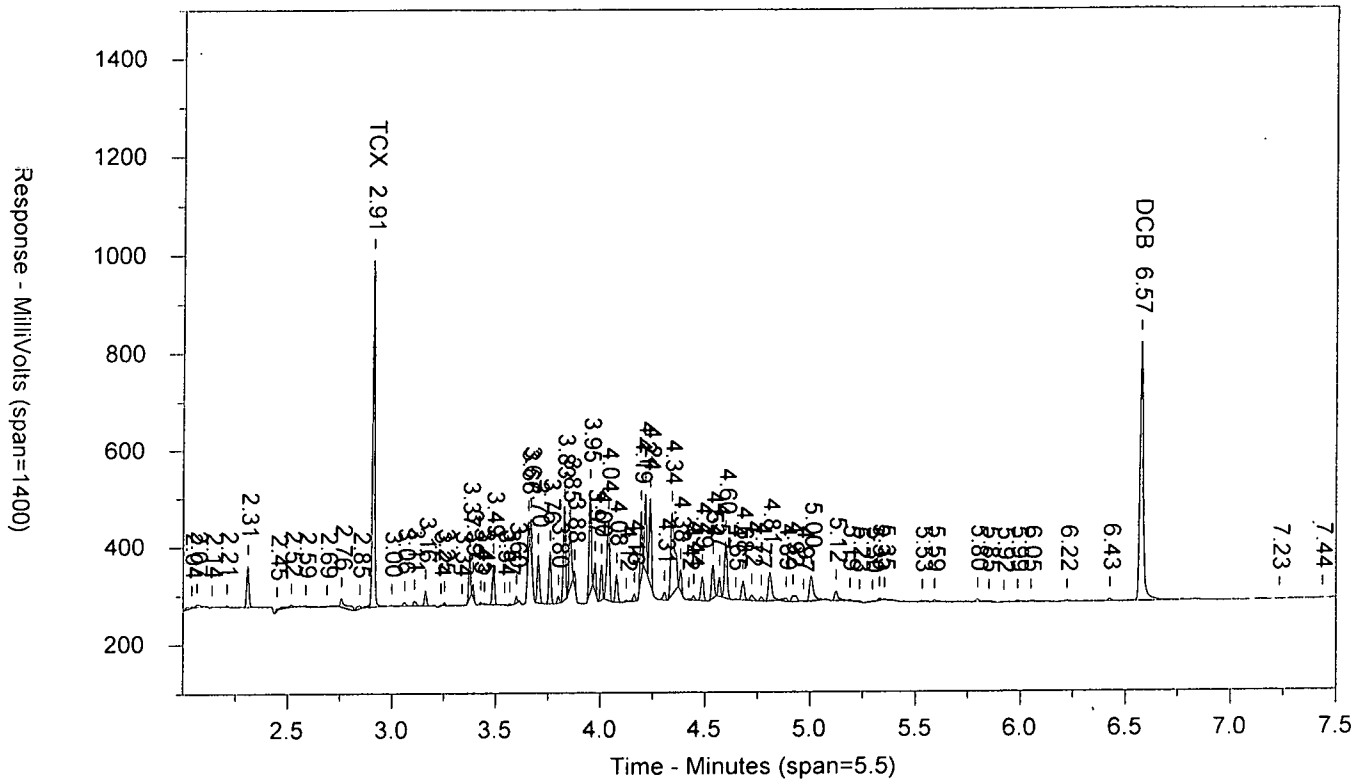

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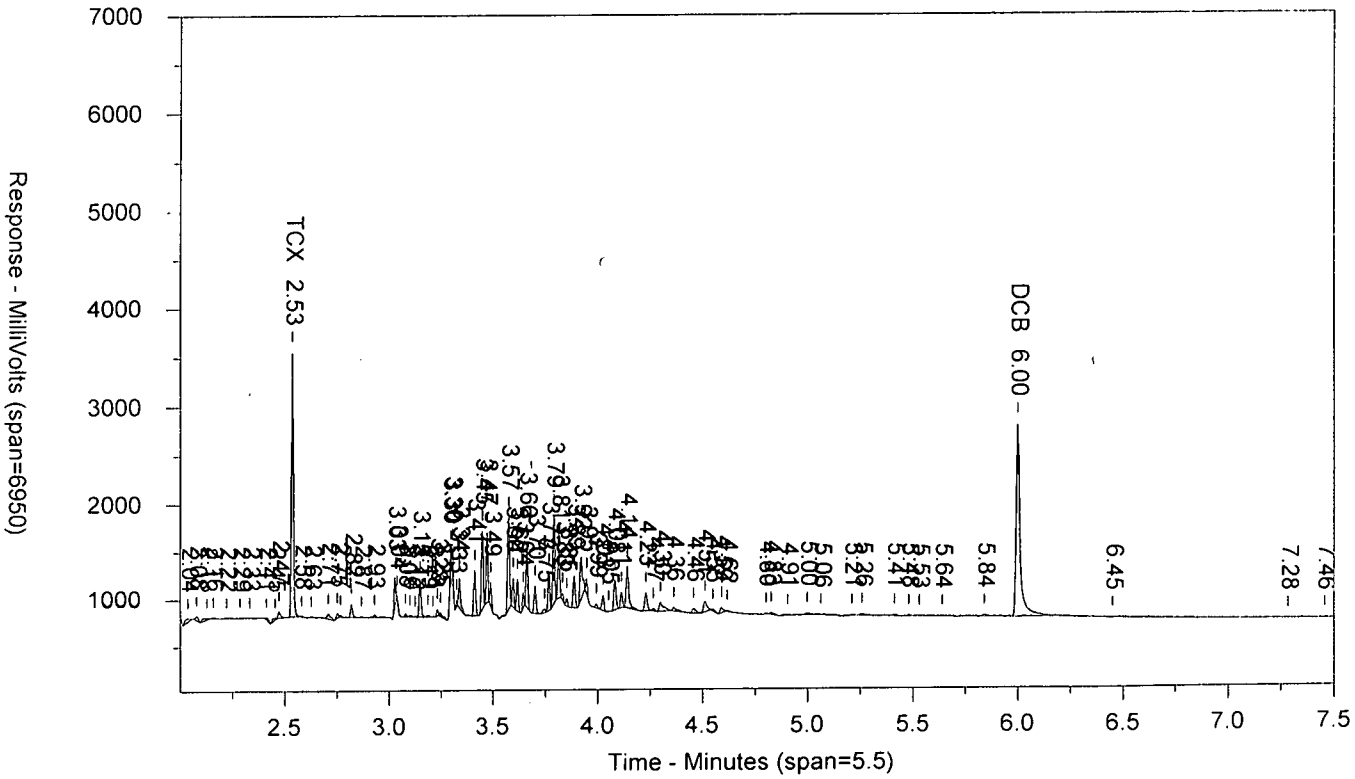

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:30:59 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	715564	3.75	TCX	2.535	2740841	4.075	TCX
6.574	536960	4.19	DCB	5.998	1972265	4.191	DCB

Files:
Area File: 20PCBs17275001.014.RAW
Area File: 20PCBs17275001B.014.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 10:39:42 PM
File Reported On: 10/2/2017 at 10:39:55 PM

AR4821724C AAAR482AA ICAL 1727499999 10736 SW-846 8082

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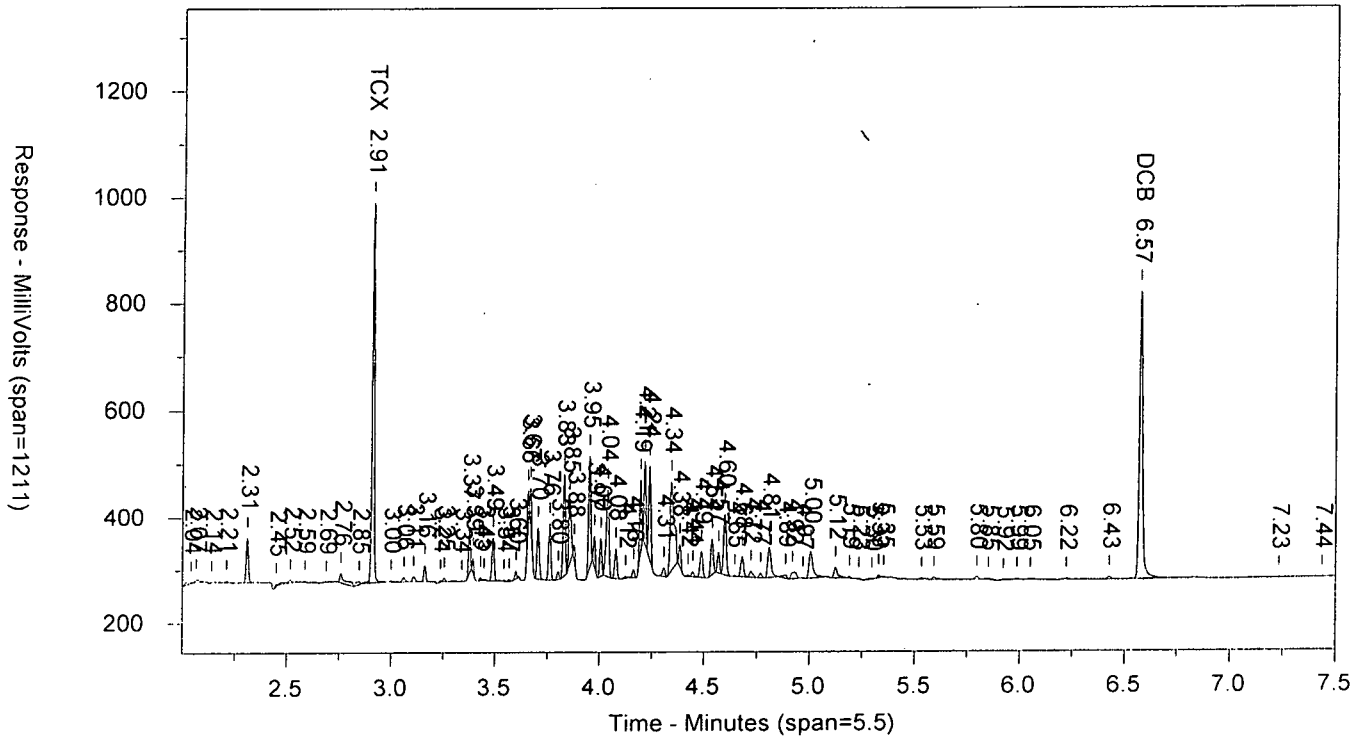

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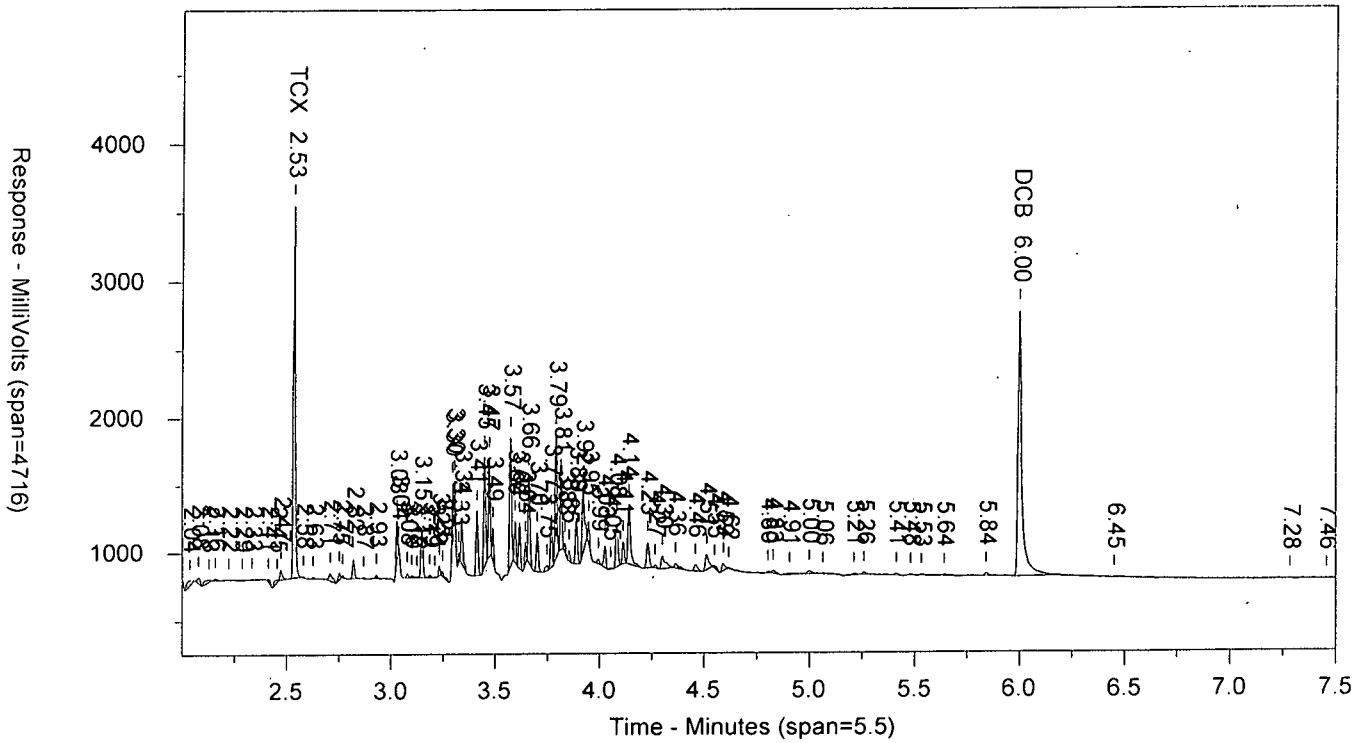

AR4821724C AAAR482AA ICAL 1727499999 10736 SW-846 8082

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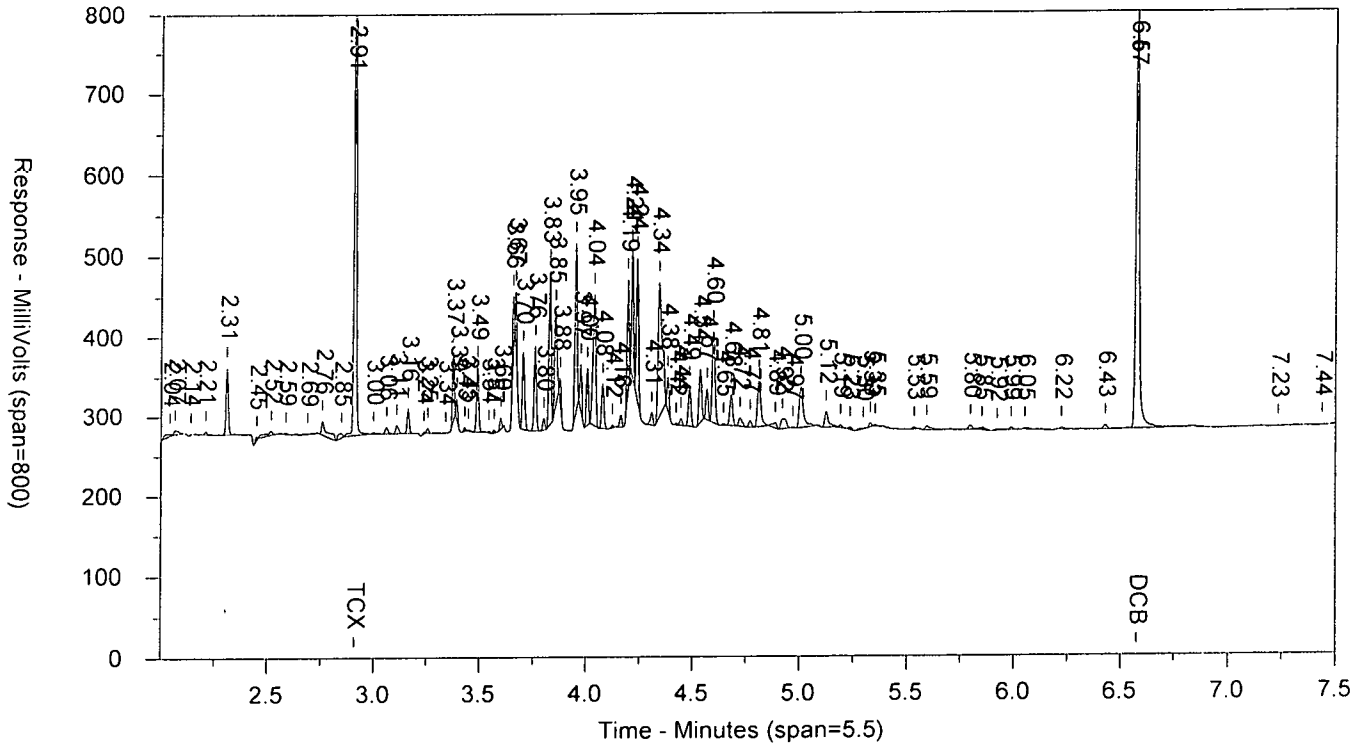

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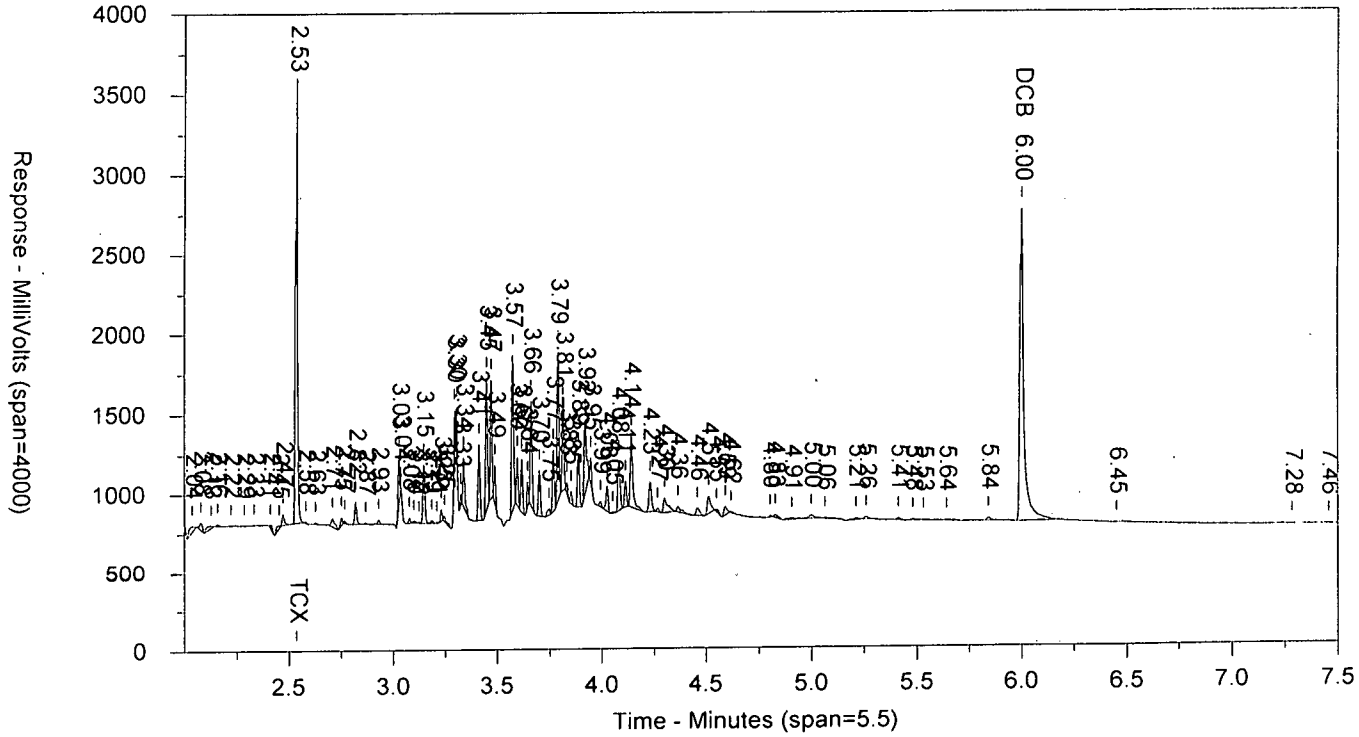

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:42:16 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.015.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.038		3307	9243
2.07		4967	11683
2.21		16836	13036
2.309		27962	23025
2.496		1591	6117
2.519		1615	1259
2.757		11729	20133
2.839		5022	6984
2.909	TCX	3876741	2534829
3.005		1136	1270
3.058		14334	12509
3.106		48572	37282
3.161		63343	43185
3.235		7648	5012
3.253		11453	6822
3.374		180532	108815
3.391		54732	27225
3.427		12714	7373
3.488		171202	123640
3.544		10738	6496
3.564		6512	4055
3.597		32967	18805
3.612		8906	4227
3.655		132466	76371
3.665		127971	64865
3.702		207639	155701
3.758		231868	165335
3.799		33104	23304
3.827		399508	287046
3.854		256152	198858
3.875		62018	33054
3.948		450334	317853
3.972		125065	78947
4.003		144705	103468
4.037		345410	315504
4.076		117409	92423
4.123		10055	7481
4.161		35533	26801
4.194		284188	190689
4.213		336501	207189
4.236		371219	277516
4.306		35577	31069
4.34		269876	238928
4.359		44390	22495
4.381		88886	59462
4.421		4856	3075
4.444		20126	15117
4.485		101952	92057
4.535		149588	124880
4.565		83201	61735
4.596		249493	220004
4.644		4574	3284
4.678		81354	76056
4.719		22328	25345

RT A	Compound A	Height A	Area A
4.767		18260	16692
4.807		129684	140797
4.886		11942	16583
4.919		23414	39293
4.969		2470	1831
5.004		111947	142099
5.076		3616	4465
5.123		38888	50496
5.191		6410	5191
5.233		4523	4857
5.287		1589	2999
5.329		10369	8838
5.351		4364	3111
5.441		1374	1600
5.531		5979	8544
5.591		11518	15402
5.796		10250	10939
5.853		4819	7108
5.921		1387	2473
5.985		11814	13427
6.051		9662	12635
6.221		5818	9538
6.303		773	969
6.424		22753	25893
6.573	DCB	2385344	2726636
7.017		2010	3020
7.502		1148	1949
7.709		829	1252
8.302		950	547
8.517		7176	18044

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:42:16 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.015.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.081		28836	26135
2.113		19109	25004
2.132		3168	1512
2.161		5142	6508
2.223		5786	7440
2.316		1574	464
2.333		7533	6945
2.456		7721	26983
2.471		51005	41195
2.535	TCX	12864230	8109849
2.708		88849	93297
2.752		216800	125716
2.767		29580	12644
2.82		284556	186098
2.868		47247	27479
2.93		63738	40053
3.027		580065	309980
3.037		88083	32532
3.078		73151	41891
3.099		26895	17240
3.123		16098	7709
3.147		744596	507709
3.185		31132	19104
3.211		59720	30310
3.231		162356	84849
3.246		60621	28395
3.296		443250	234205
3.304		538590	224866
3.325		134472	57326
3.338		628026	381731
3.412		971058	638745
3.448		1618803	1036841
3.47		1416490	809648
3.488		473871	238820
3.572		1919444	1274844
3.595		613260	337427
3.615		672684	403611
3.644		316305	159756
3.66		1325978	814024
3.7		584534	398917
3.746		92289	81654
3.767		799641	479809
3.789		1968976	1280648
3.812		1205729	722592
3.831		137198	63891
3.852		147727	81255
3.886		706341	476753
3.918		993610	820200
3.945		391238	201351
3.992		82025	53188
4.025		342283	249690
4.081		675156	511239
4.112		361577	250974
4.139		918528	742418

RT B	Compound B	Height B	Area B
4.229		399385	340206
4.265		50866	37220
4.298		255139	330764
4.363		63482	44718
4.385		16091	10492
4.457		96441	110613
4.509		277564	480350
4.587		114027	114462
4.618		12995	14714
4.654		9274	6644
4.803		22173	17618
4.826		38835	45963
4.876		11427	11235
4.91		3990	2861
4.943		5358	4568
4.997		45505	75067
5.065		10807	10487
5.186		2732	3818
5.211		22097	21967
5.26		37203	55129
5.411		54126	59870
5.479		41651	45057
5.528		9557	13159
5.64		16219	36727
5.762		3732	8972
5.84		91953	124429
5.997	DCB	8190676	11017480
6.454		5155	6178
6.615		3122	5433
7.618		3004	5863
7.727		2944	3924
7.895		2216	2515
8.005		22432	42966
8.424		1726	2887
8.516		2104	1306

AR4831724C AAAR483AA ICAL 1727499999 10736 SW-846 8082

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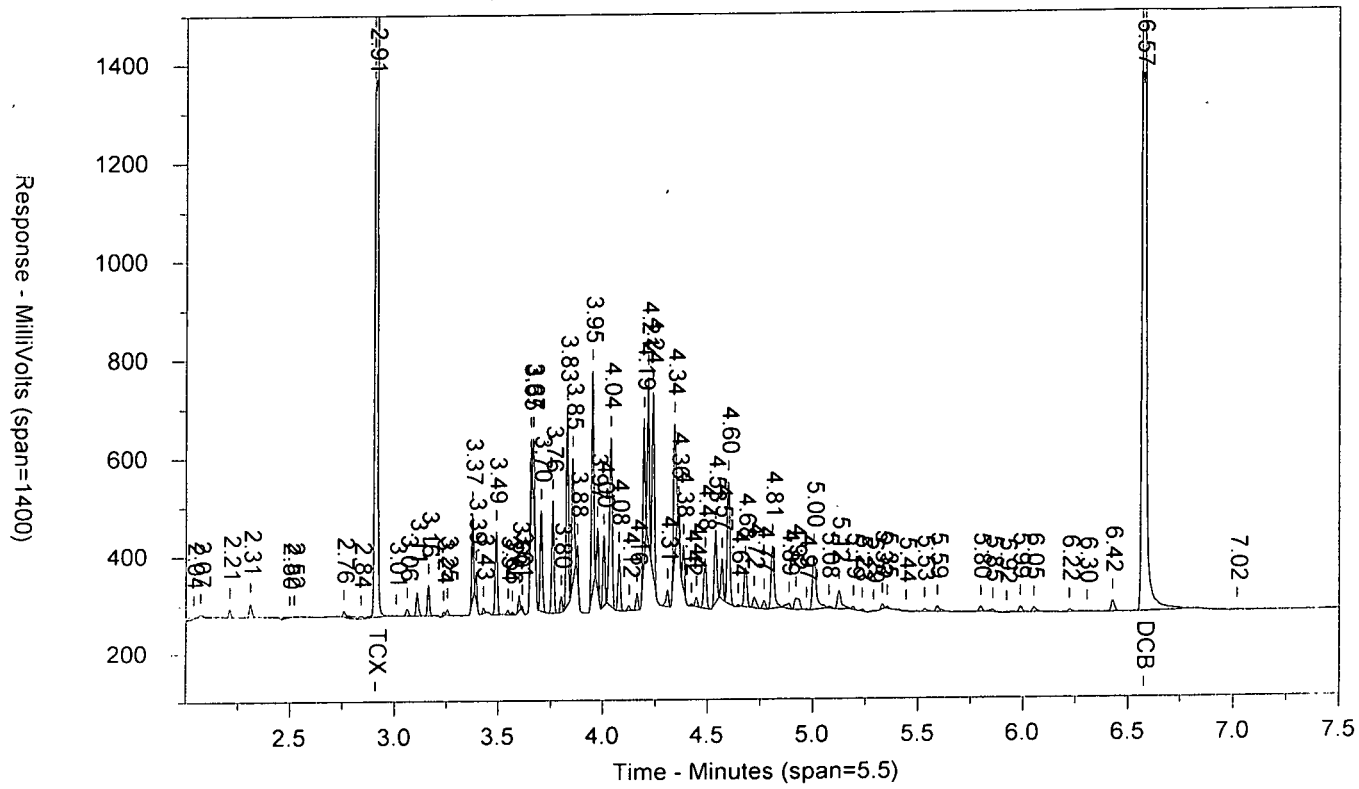

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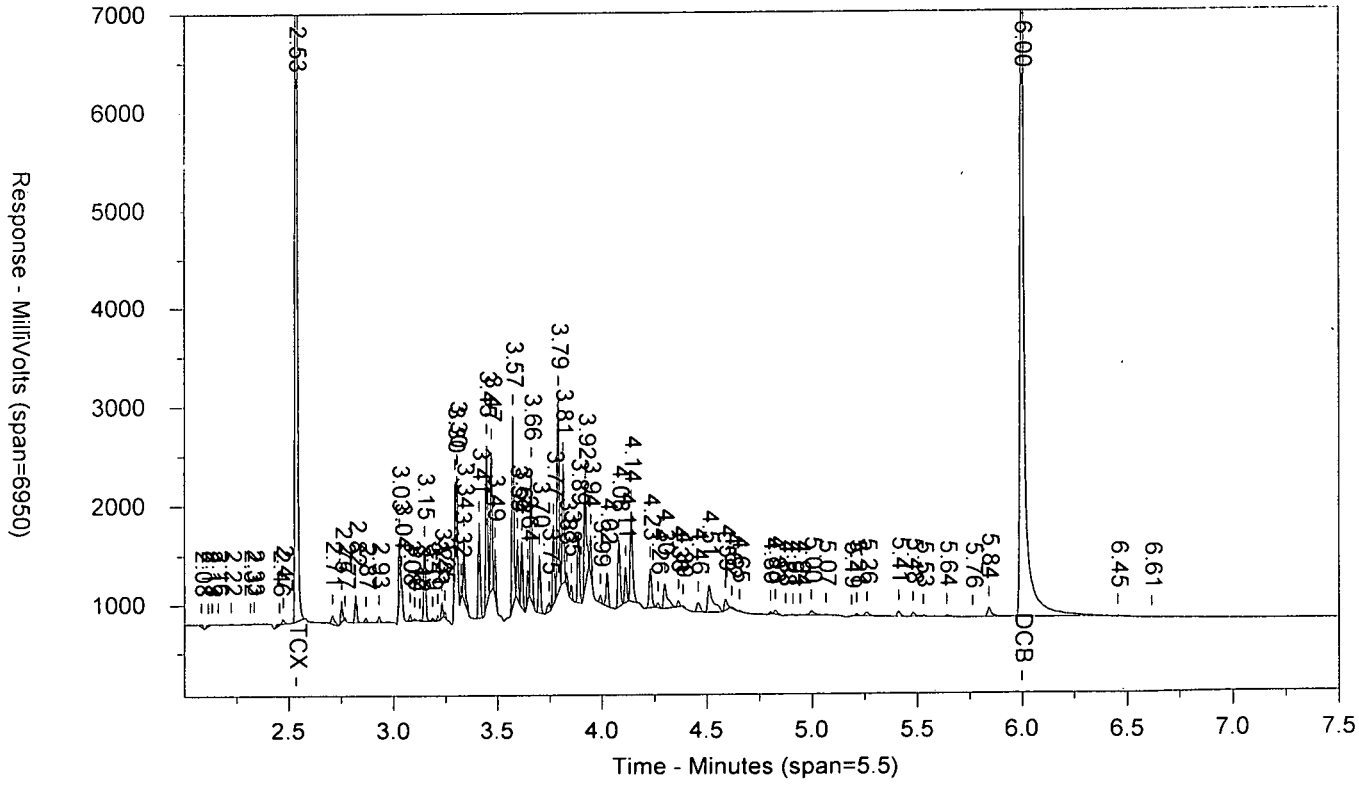

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:42:16 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	3876741	20.314	TCX	2.535	12864230	19.126	TCX
6.573	2385344	18.615	DCB	5.997	8190676	17.405	DCB

Files:
Area File: 20PCBs17275001.015.RAW
Area File: 20PCBs17275001B.015.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 10:50:57 PM
File Reported On: 10/2/2017 at 10:51:10 PM

AR4831724C AAAR483AA ICAL 1727499999 10736 SW-846 8082

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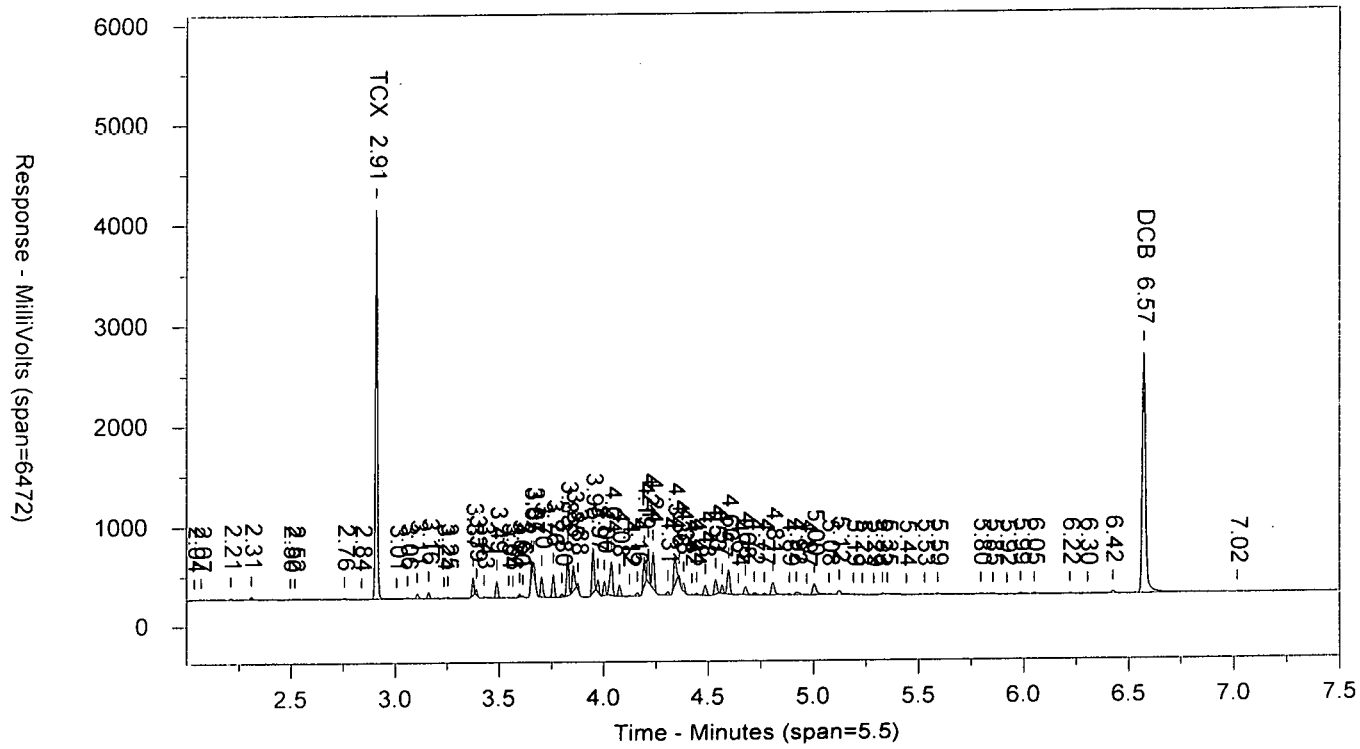

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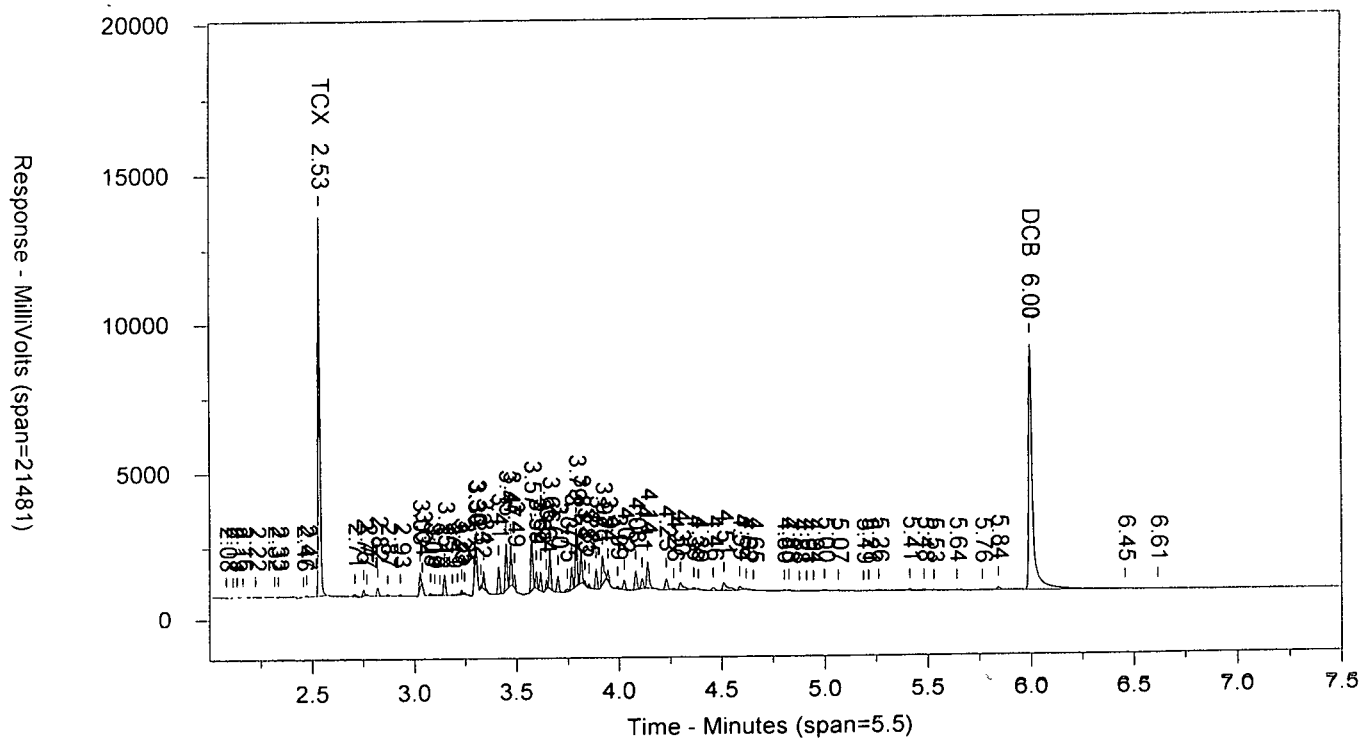

AR4831724C AAAR483AA ICAL 1727499999 10736 SW-846 8082

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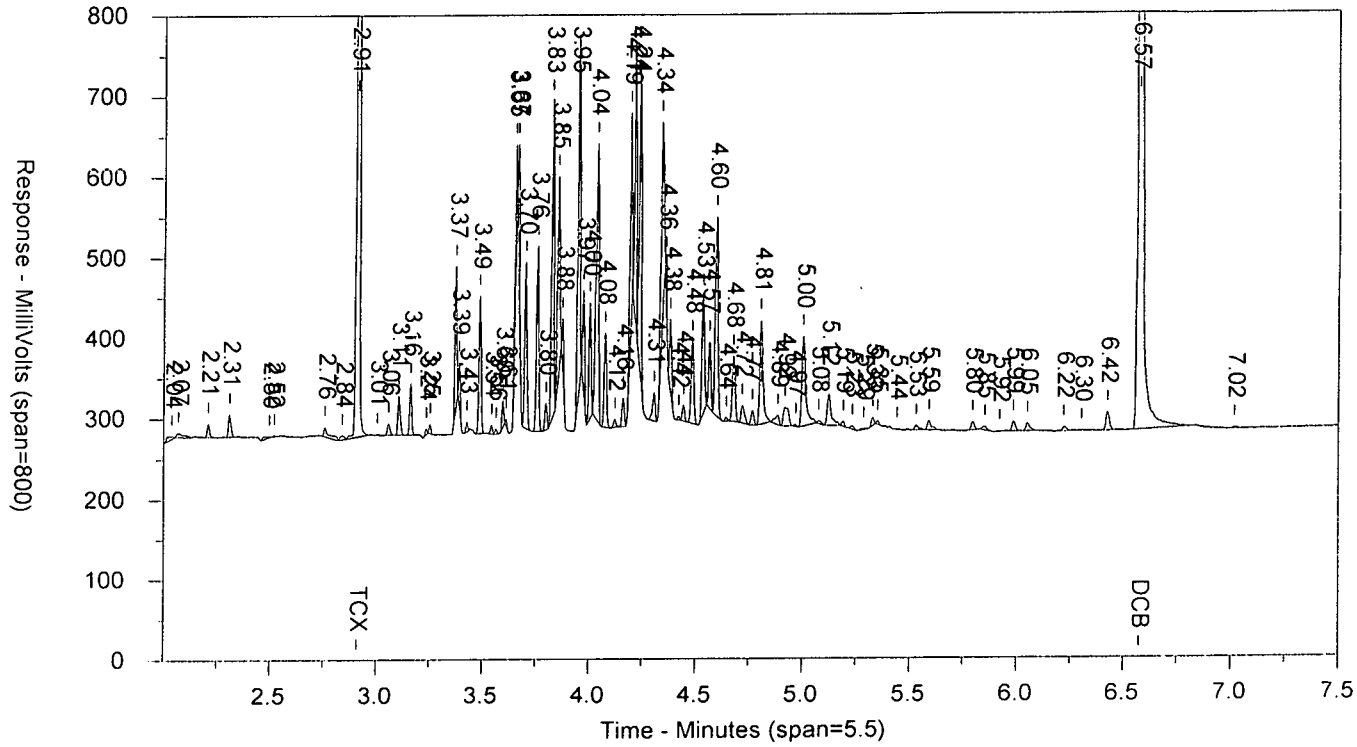

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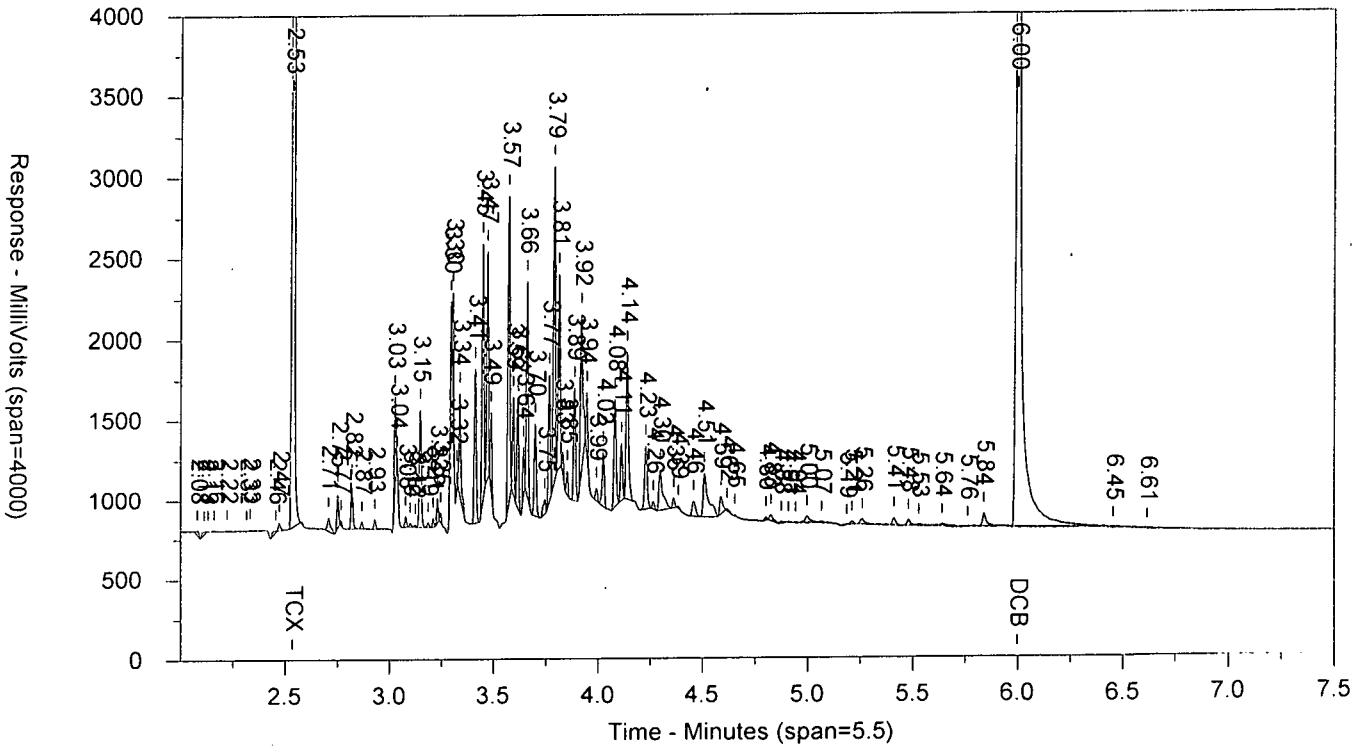

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:53:44 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.016.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.037		3595	9748
2.067		6670	33660
2.15		7735	13586
2.21		33809	24818
2.309		31156	28335
2.5		1104	5832
2.519		1913	1449
2.551		2222	3143
2.758		10135	9089
2.841		7501	10754
2.909	TCX	8324112	5317792
3.009		2264	1453
3.058		23453	21789
3.106		96681	73387
3.161		112440	86086
3.236		15255	8783
3.254		22836	13550
3.376		338725	207203
3.392		99873	50002
3.429		24209	14030
3.444		3626	1473
3.49		315438	233986
3.526		860	476
3.546		22777	14096
3.566		9034	5415
3.599		56837	35396
3.614		16766	7720
3.657		300174	161186
3.668		274194	127767
3.704		376664	288313
3.76		439749	316726
3.801		64801	44079
3.829		739842	542851
3.856		476667	366528
3.877		125486	66899
3.951		877738	608711
3.975		237828	152095
4.005		280353	194917
4.039		690777	601362
4.078		218052	175184
4.125		20850	17838
4.163		66814	50996
4.196		538644	364056
4.216		654233	398675
4.238		723526	526364
4.308		63456	57327
4.343		691277	926983
4.384		164432	112107
4.422		7634	5050
4.446		36571	27639
4.487		190840	173290
4.537		279972	234002
4.569		152145	114444
4.598		464215	411490

RT A	Compound A	Height A	Area A
4.646		8532	5939
4.681		161178	141907
4.722		40925	46450
4.769		33629	31591
4.81		245544	269058
4.888		20207	26464
4.92		19240	14170
4.933		12418	7269
4.969		3748	3052
5.006		219262	242246
5.053		4894	2856
5.079		4993	6920
5.126		68812	76496
5.192		11905	10574
5.233		6176	6516
5.283		1389	1663
5.332		18834	15852
5.355		7795	5019
5.409		3998	3585
5.492		2252	2189
5.534		10469	15125
5.592		23610	32696
5.797		20156	20521
5.851		8970	15012
5.923		1021	999
5.989		23401	25797
6.052		19664	26520
6.227		10072	11173
6.308		1506	1964
6.429		46353	53328
6.576	DCB	4784117	5246482
7.023		3001	4245
7.518		1147	1285
7.874		748	749
8.311		1592	6842
8.519		7268	17012
8.677		2167	3449

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:53:44 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.016.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.08		34666	46416
2.13		13740	49056
2.158		4926	6108
2.221		8054	5539
2.283		6279	6375
2.307		4084	2493
2.334		6973	9036
2.38		2176	1516
2.454		13754	34787
2.471		46231	38944
2.535	TCX	26717590	16459680
2.578		18986	9159
2.708		136167	126504
2.752		398195	225706
2.768		50930	21827
2.819		504830	331363
2.868		99191	60041
2.93		120196	77497
3.026		1032094	551219
3.037		160807	62643
3.078		140408	81806
3.099		44900	27087
3.123		32118	16539
3.147		1314298	913595
3.186		45612	29021
3.211		133569	70953
3.231		279654	150969
3.246		110138	52054
3.296		976095	459210
3.305		1065669	431091
3.325		253383	100886
3.339		1062822	671537
3.412		1764969	1154132
3.449		2938580	1862570
3.471		2561250	1445394
3.489		857292	440081
3.574		3449429	2291339
3.596		1121591	602761
3.617		1178604	727192
3.645		578030	292124
3.662		2399624	1451920
3.702		1052296	715826
3.748		161279	138176
3.769		1426013	857316
3.791		3521013	2264935
3.814		2097221	1276053
3.833		225115	112315
3.854		242289	140578
3.888		1212853	845871
3.921		1784487	1445540
3.948		682486	357186
3.993		151671	95976
4.027		635312	473137
4.082		1173240	920768

RT B	Compound B	Height B	Area B
4.114		647554	451261
4.141		1692027	1456536
4.231		723507	623872
4.267		90599	65510
4.299		502360	638638
4.365		107915	76206
4.387		27849	17367
4.459		179100	210149
4.512		499611	537507
4.549		33047	33707
4.589		198791	195968
4.618		20626	24505
4.655		13487	11052
4.754		8736	10559
4.804		42302	30468
4.828		68889	75073
4.877		20481	19294
4.909		8962	6977
4.943		8660	8018
4.997		86927	143491
5.068		21899	42217
5.213		45198	53656
5.26		71866	112209
5.412		103506	112319
5.481		80407	85687
5.532		17644	20706
5.643		30554	57294
5.799		2460	3015
5.842		180572	262607
5.999	DCB	16372740	19745770
6.177		6726	9162
6.337		4909	4970
6.458		11926	29140
6.675		2920	3381
7.125		1985	1953
7.454		3284	6814
7.624		4020	4963
7.736		2495	4207
7.846		2983	6863
8.012		20227	38283
8.668		1978	1503

AR4841724C AAAR484AA ICAL 1727499999 10736 SW-846 8082

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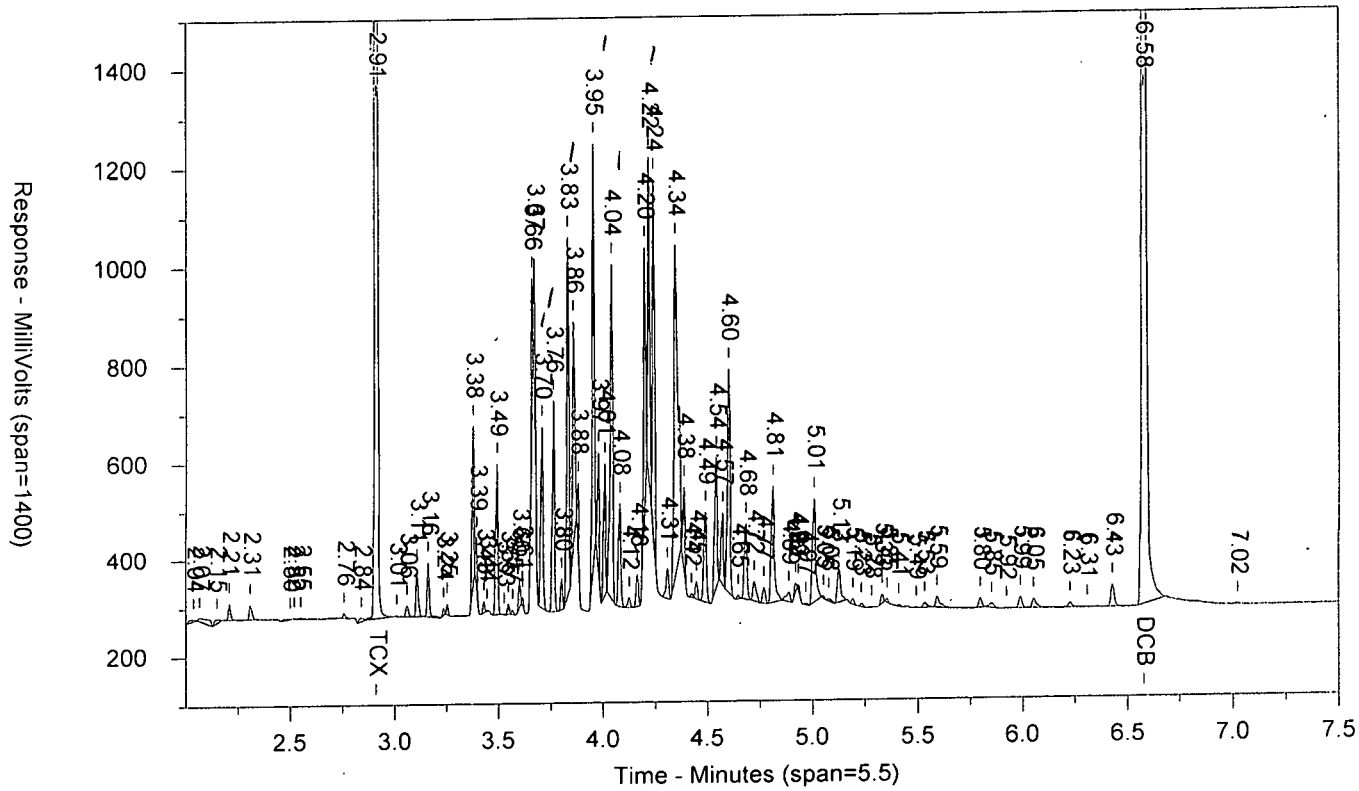

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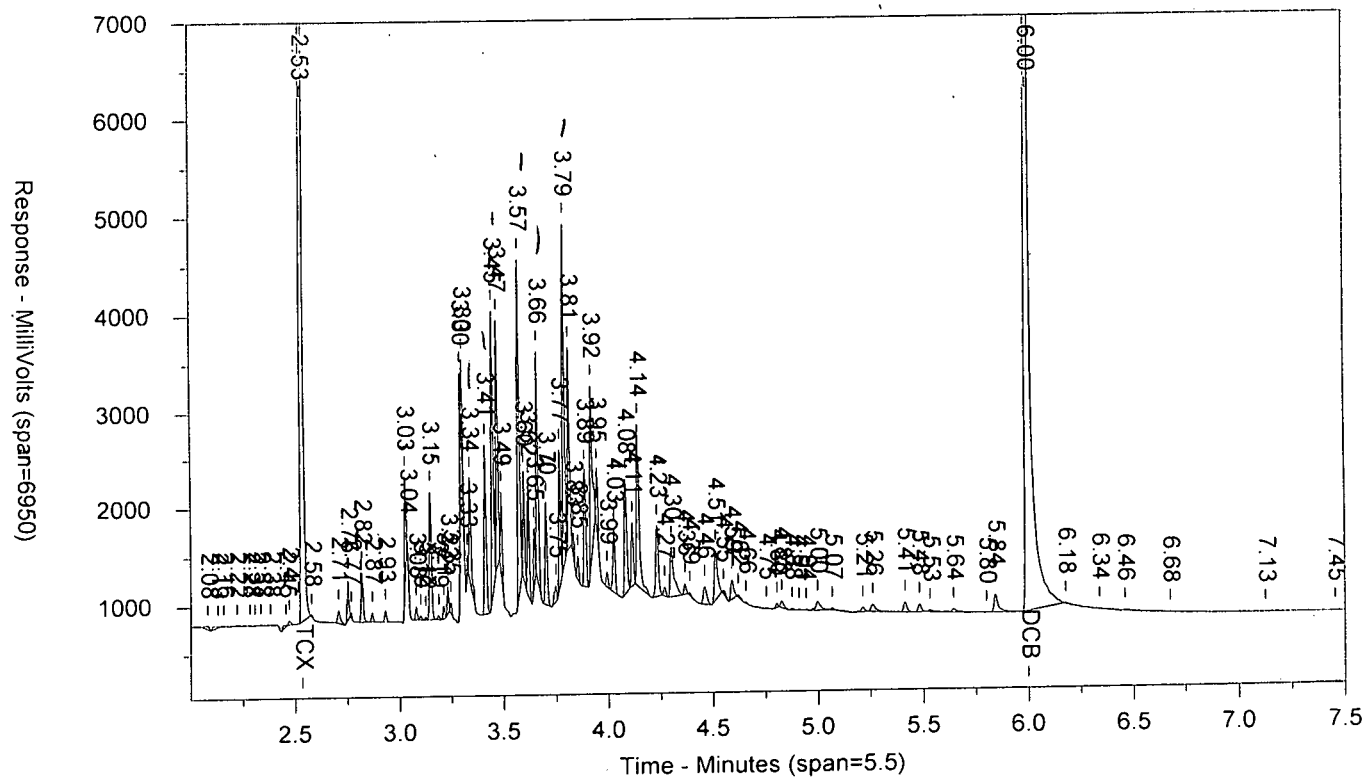

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 10:53:44 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	8324112	43.619	TCX	2.535	26717590	39.723	TCX
6.576	4784117	37.336	DCB	5.999	16372740	34.792	DCB

Files:
Area File: 20PCBs17275001.016.RAW
Area File: 20PCBs17275001B.016.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 11:02:28 PM
File Reported On: 10/2/2017 at 11:02:45 PM

AR4841724C AAAR484AA ICAL 1727499999 10736 SW-846 8082

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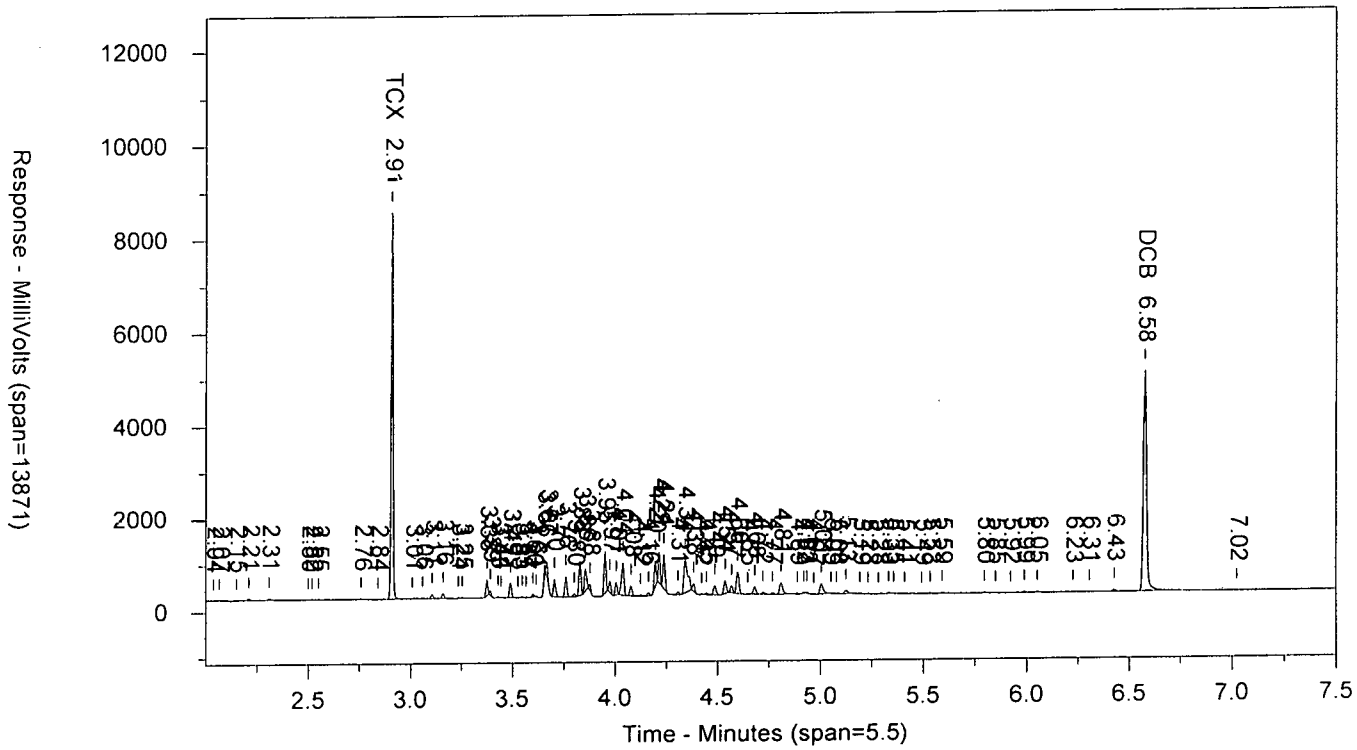

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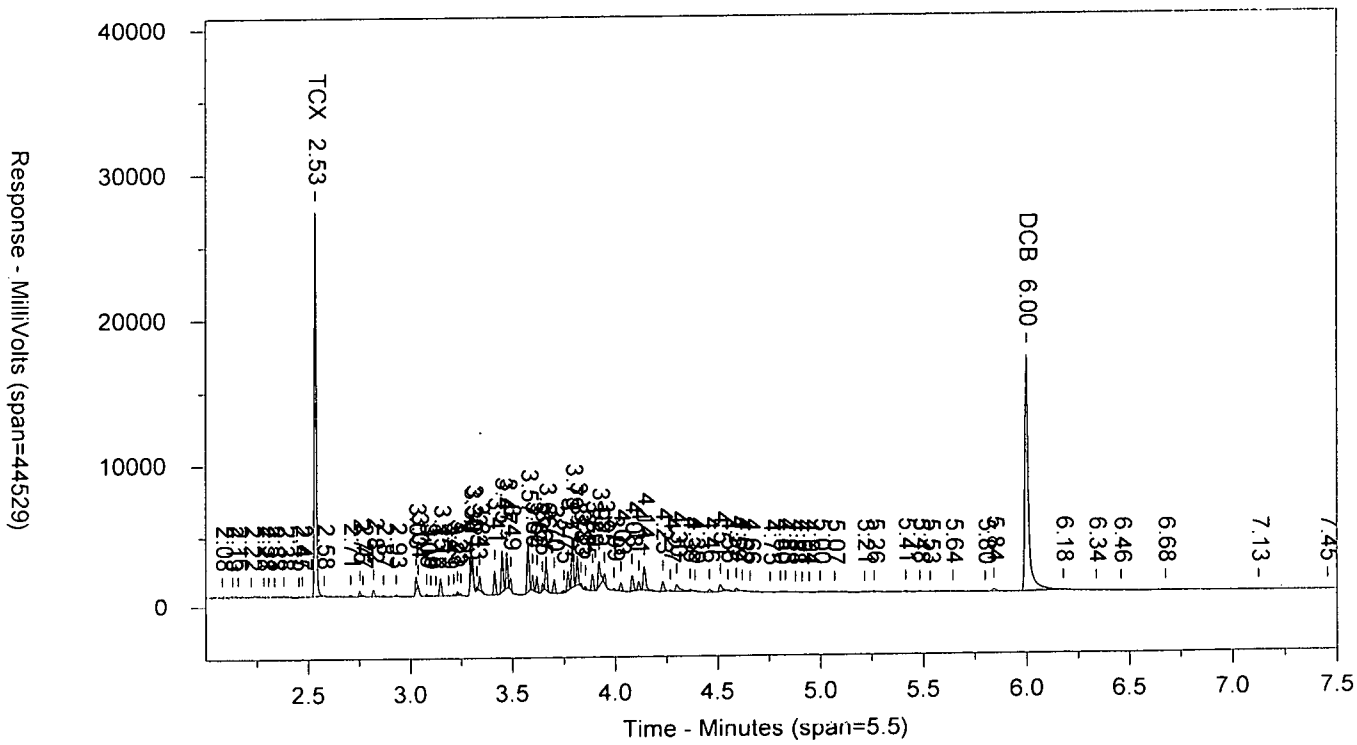

AR4841724C AAAR484AA ICAL 1727499999 10736 SW-846 8082

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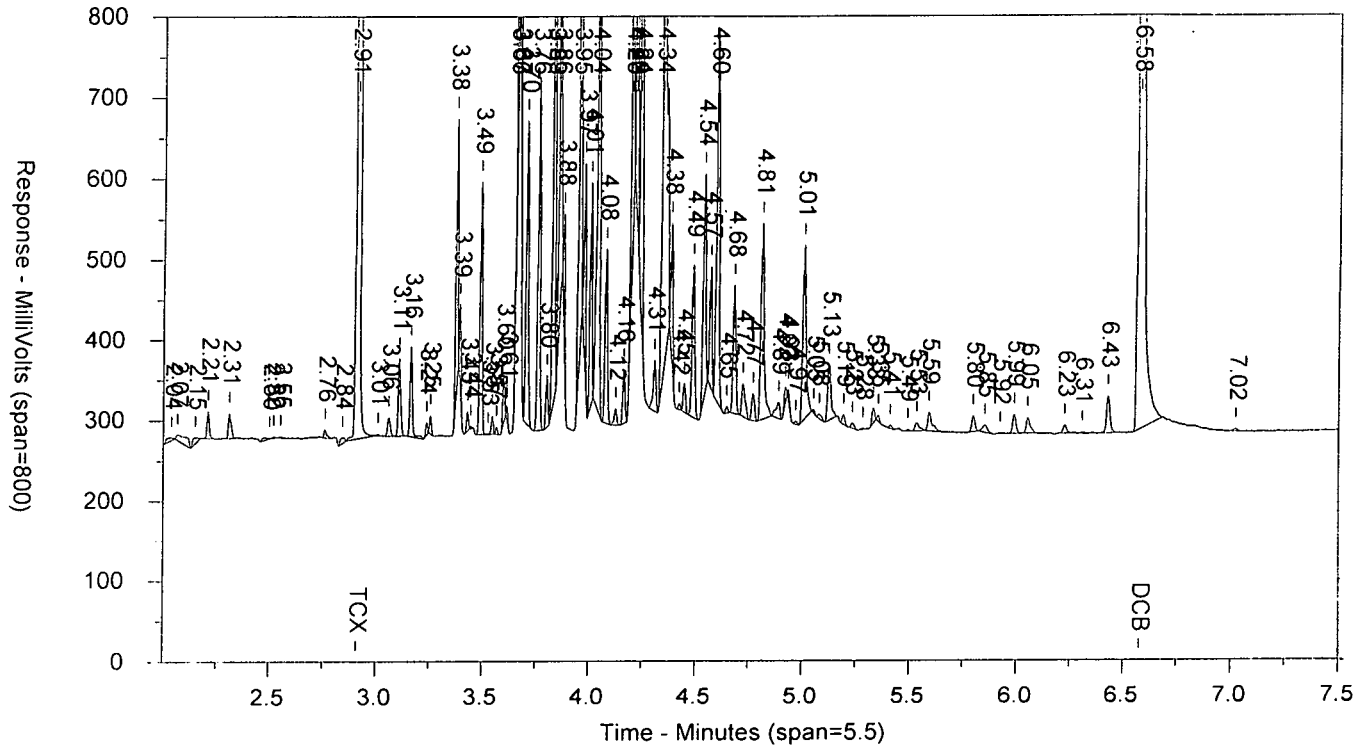

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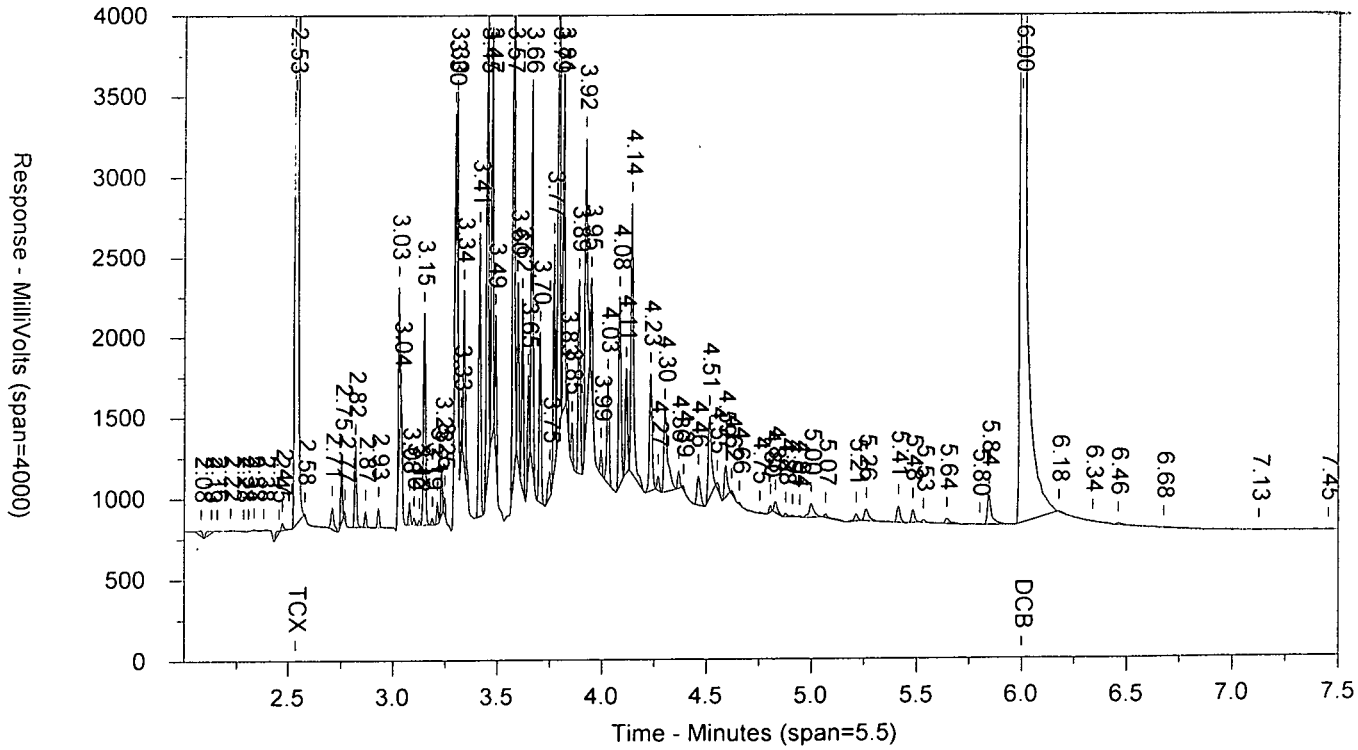

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:05:08 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.017.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.032		3579	7324
2.065		9605	64713
2.164		9447	32065
2.21		48919	36230
2.31		25213	31861
2.408		1941	4591
2.47		1799	1742
2.518		1352	1290
2.55		4741	4869
2.693		718	1740
2.758		7280	10121
2.806		4685	6425
2.837		2682	3764
2.909	TCX	12137430	7996212
3.007		3281	1840
3.059		58937	51688
3.106		141221	118483
3.161		265718	184774
3.236		20512	11072
3.254		51916	32626
3.296		1135	806
3.375		790044	477420
3.392		248781	123124
3.428		57164	33793
3.444		7780	2945
3.455		9018	4443
3.489		742385	544577
3.526		2179	1042
3.545		30628	17649
3.564		23656	14448
3.598		146933	83456
3.613		39503	17965
3.656		739501	364542
3.667		714710	319600
3.704		889912	684914
3.759		1023312	751692
3.8		146310	101745
3.828		1803682	1282494
3.855		1142753	872087
3.876		298572	159019
3.95		2052292	1439093
3.973		535653	346045
4.005		643505	459873
4.038		1666816	1457987
4.077		516066	409172
4.123		50483	43121
4.162		167046	122992
4.195		1401261	903186
4.214		1648077	1017207
4.237		1846892	1358264
4.307		160033	138921
4.342		1282696	1088330
4.361		325790	153802
4.383		416361	275630

RT A	Compound A	Height A	Area A
4.423		22801	13822
4.445		87458	65294
4.486		447743	411830
4.536		689728	582538
4.568		364361	281448
4.597		1205143	1017401
4.645		19055	13900
4.679		388177	350883
4.722		100684	111378
4.768		90658	79560
4.808		624713	663082
4.887		51884	67491
4.919		43863	31446
4.932		26730	17529
4.969		9339	7021
5.005		563951	618165
5.05		12837	9573
5.076		14179	18998
5.125		176050	188597
5.163		7503	4084
5.191		29209	24041
5.233		14953	15111
5.331		47004	39975
5.353		19277	13728
5.411		11544	9866
5.45		6244	6502
5.492		3511	3393
5.533		26237	35967
5.591		60423	76980
5.796		47914	48081
5.853		21269	30178
5.987		36476	38102
6.05		28131	43713
6.223		22456	26507
6.354		1216	1163
6.427		70783	81608
6.575	DCB	7376481	8188833
7.019		4495	6931
7.42		810	696
7.879		1314	2919
8.519		6763	15056

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:05:08 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.017.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.068		2719	1537
2.113		13837	19099
2.131		3344	1965
2.159		5084	6444
2.199		2621	1696
2.221		21215	20805
2.283		21512	25004
2.335		17113	51992
2.471		29436	53300
2.492		4014	2632
2.534	TCX	39578490	24691650
2.578		61131	32503
2.708		298836	251661
2.752		546920	300605
2.768		142684	65111
2.819		1095210	727656
2.868		138765	84738
2.93		266390	174384
3.027		2176995	1165736
3.036		309927	120695
3.078		310167	183595
3.099		110566	67377
3.124		78193	41061
3.147		2886339	1970145
3.185		119765	75675
3.211		179209	95197
3.231		639357	340437
3.246		215044	100938
3.296		2122106	1019298
3.305		2347159	923279
3.325		514107	213897
3.338		2391632	1533916
3.412		3854056	2581278
3.448		6552497	4096313
3.471		5816712	3238577
3.488		1922549	956985
3.573		7934028	5145288
3.596		2489912	1334126
3.616		2732012	1620096
3.645		1273446	667288
3.661		5659102	3388217
3.701		2365023	1611008
3.747		406152	340515
3.768		3571694	2136265
3.79		9047429	5604710
3.814		5528487	3311016
3.832		508002	256582
3.853		575500	326239
3.887		2897547	1986898
3.919		4585963	3599502
3.946		1964988	1060435
3.992		376808	255988
4.026		1599310	1233067
4.082		2927201	2260322

RT B	Compound B	Height B	Area B
4.113		1612876	1137570
4.14		4182606	3264774
4.174		60150	55390
4.23		1775588	1514913
4.266		263264	196075
4.298		1545338	1733586
4.363		287630	200362
4.386		93100	57236
4.457		419638	485738
4.51		1404295	1423229
4.548		79447	69951
4.588		528038	504334
4.618		51233	59280
4.655		42671	31597
4.752		17482	13721
4.803		99622	70951
4.826		168221	154867
4.874		47102	40680
4.91		20542	14890
4.943		19952	15411
4.975		12577	9642
4.997		177222	222284
5.065		38699	45731
5.211		103729	107055
5.259		169427	254349
5.411		155353	161840
5.48		122645	121377
5.529		39876	45225
5.641		78690	124941
5.787		3528	2839
5.84		279643	383560
5.997	DCB	25188680	30153890
6.29		5566	3618
6.457		14166	28491
7.185		2678	1457
7.282		3490	5277
7.379		2252	4270
7.612		2903	3526
7.728		3503	5888
7.79		1871	1430
8.007		21254	37659
8.358		2320	2672
8.525		1607	1599
8.657		2678	4482

AR4851724C AAAR485AA ICAL 1727499999 10736 SW-846 8082

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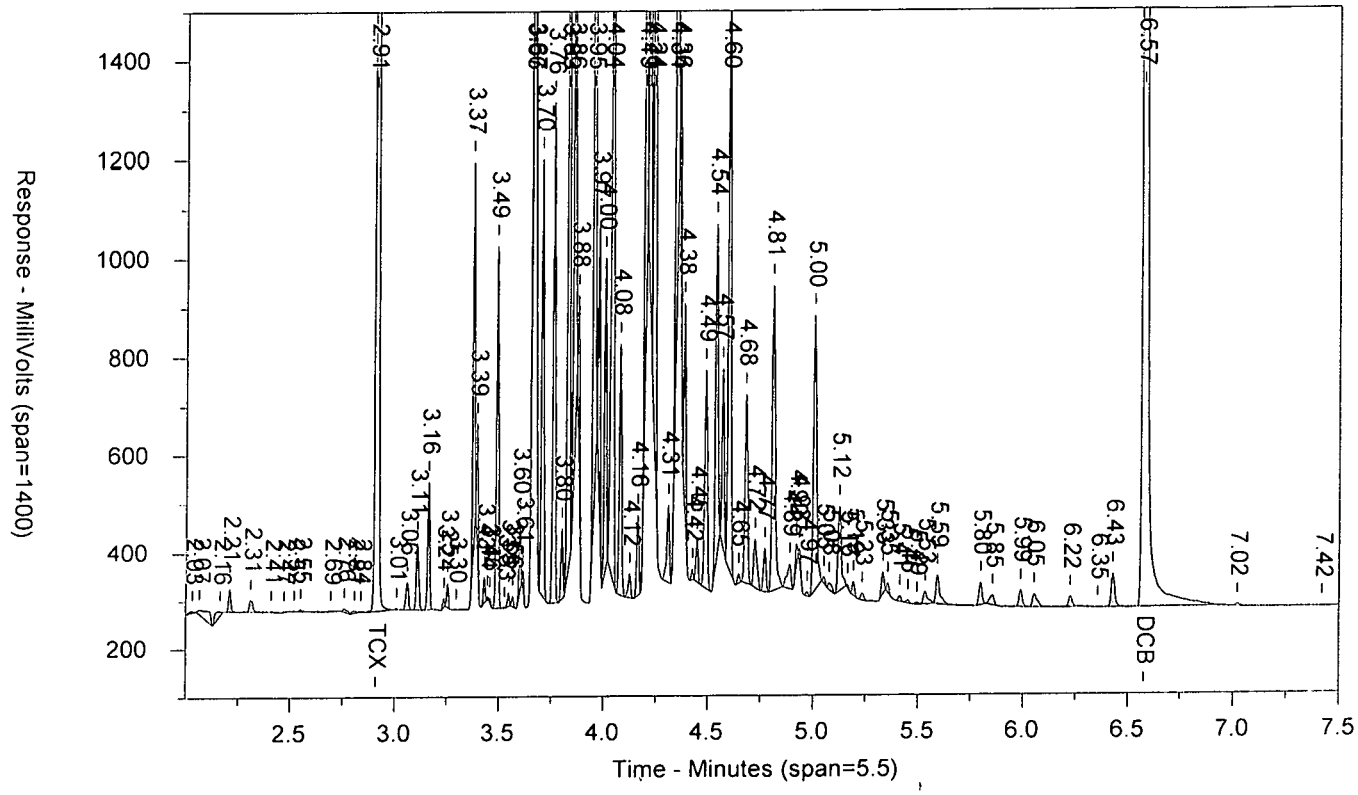

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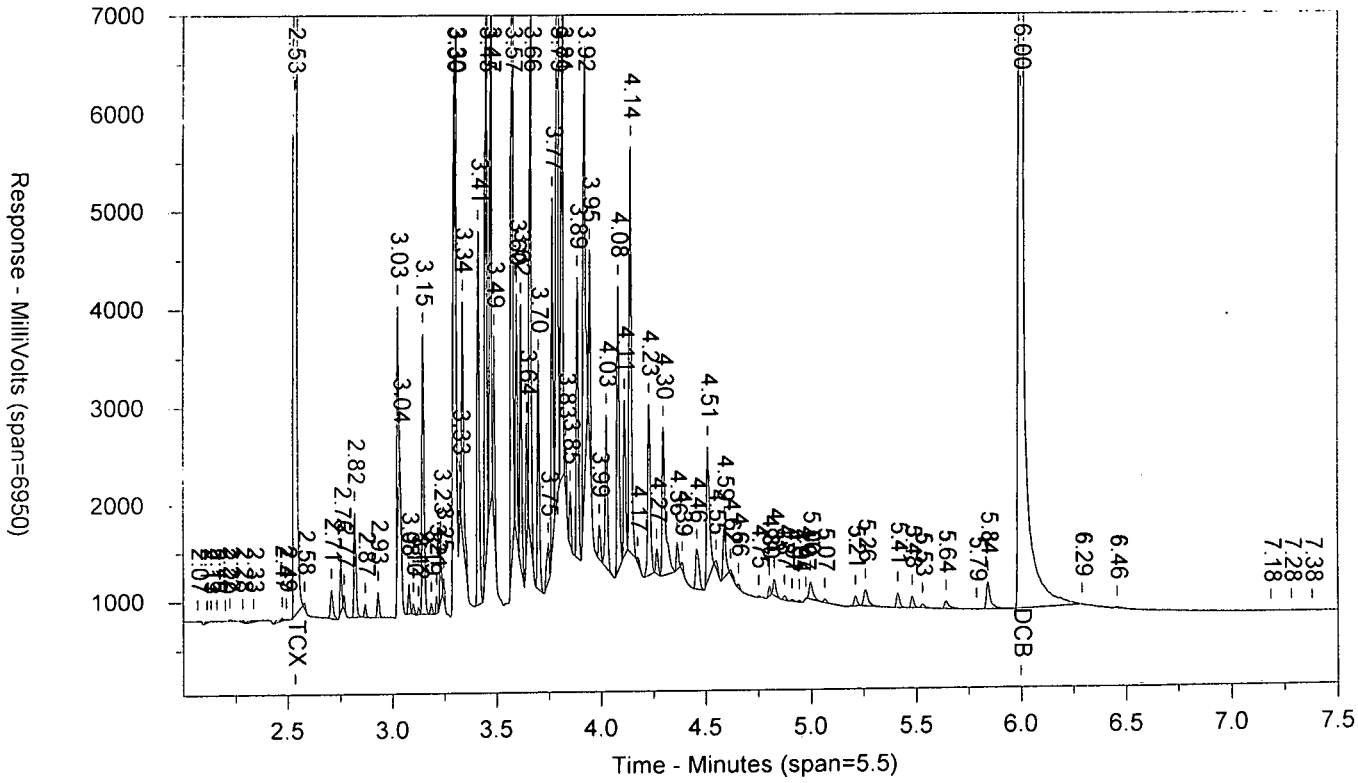

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:05:08 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	12137430	63.601	TCX	2.534	39578490	58.844	TCX
6.575	7376481	57.567	DCB	5.997	25188680	53.526	DCB

Files:
Area File: 20PCBs17275001.017.RAW
Area File: 20PCBs17275001B.017.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 11:13:52 PM
File Reported On: 10/2/2017 at 11:14:10 PM

AR4851724C AAAR485AA ICAL 1727499999 10736 SW-846 8082

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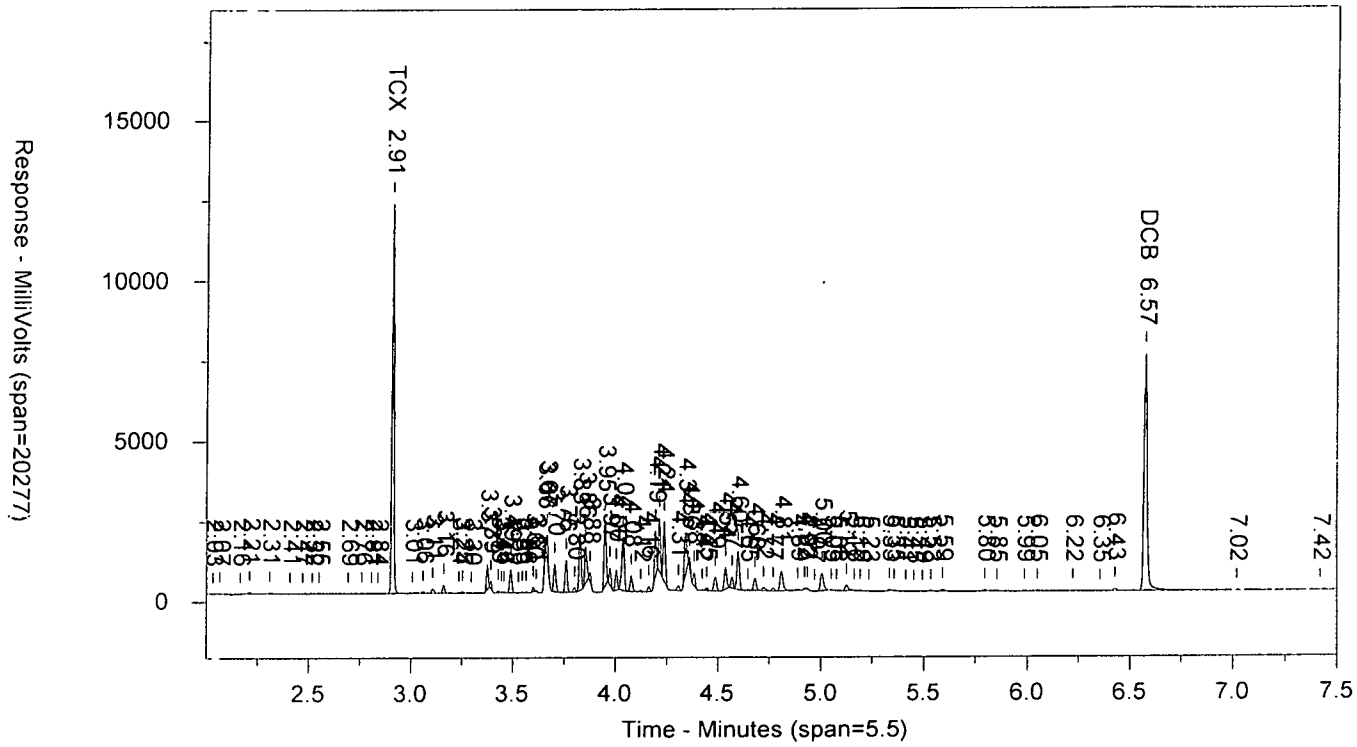

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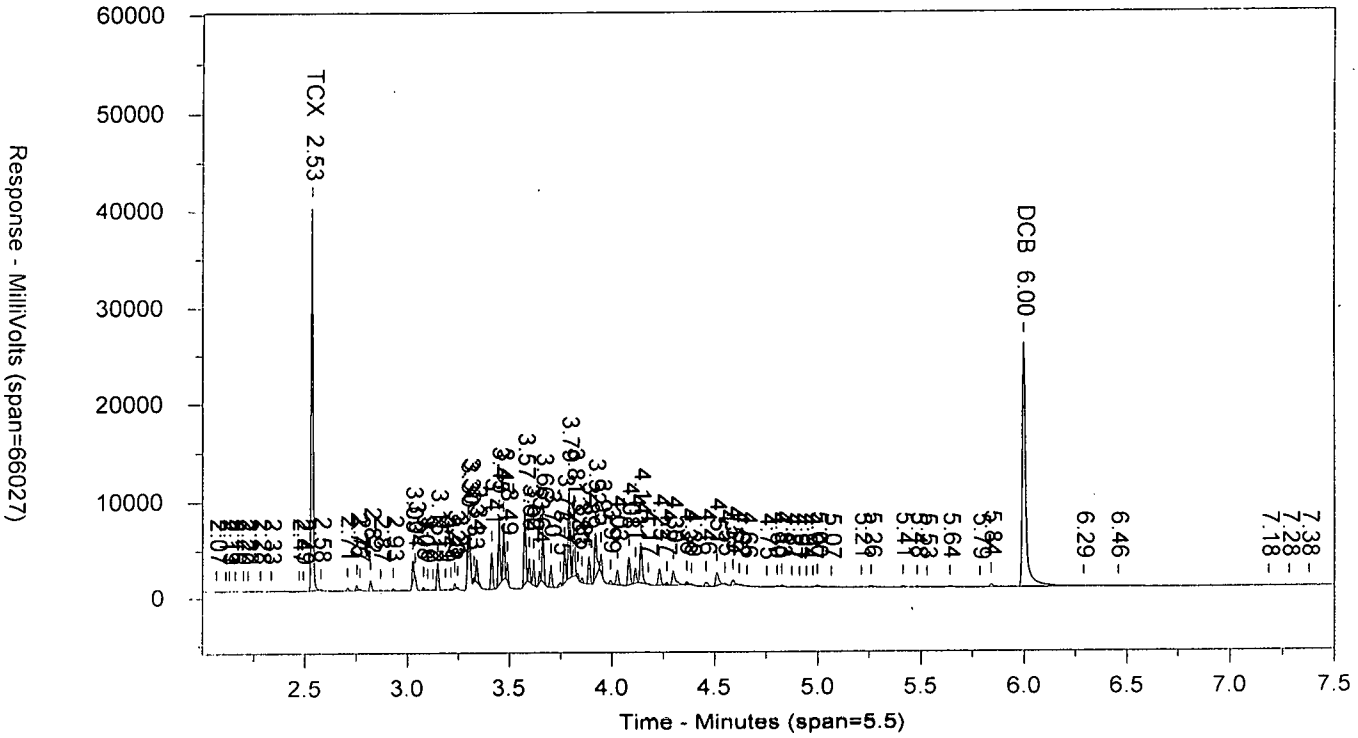

AR4851724C AAAR485AA ICAL 1727499999 10736 SW-846 8082

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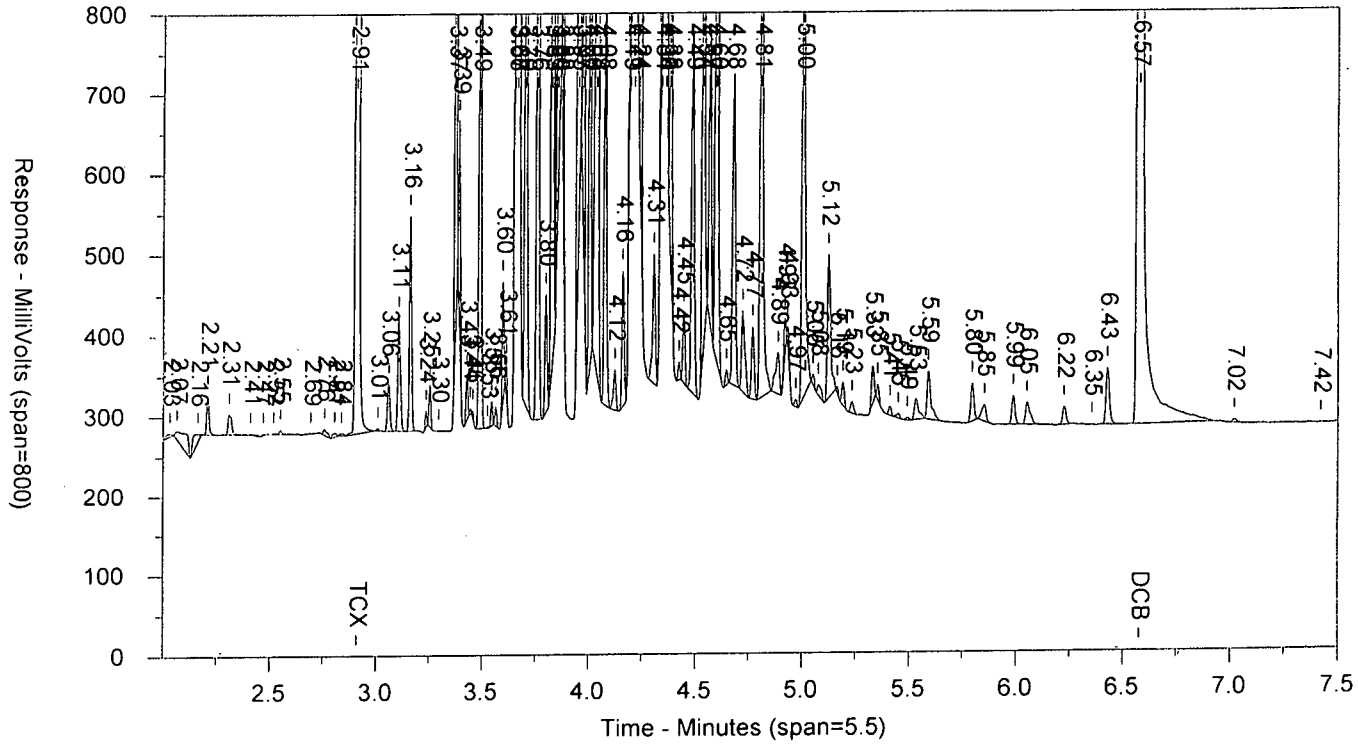

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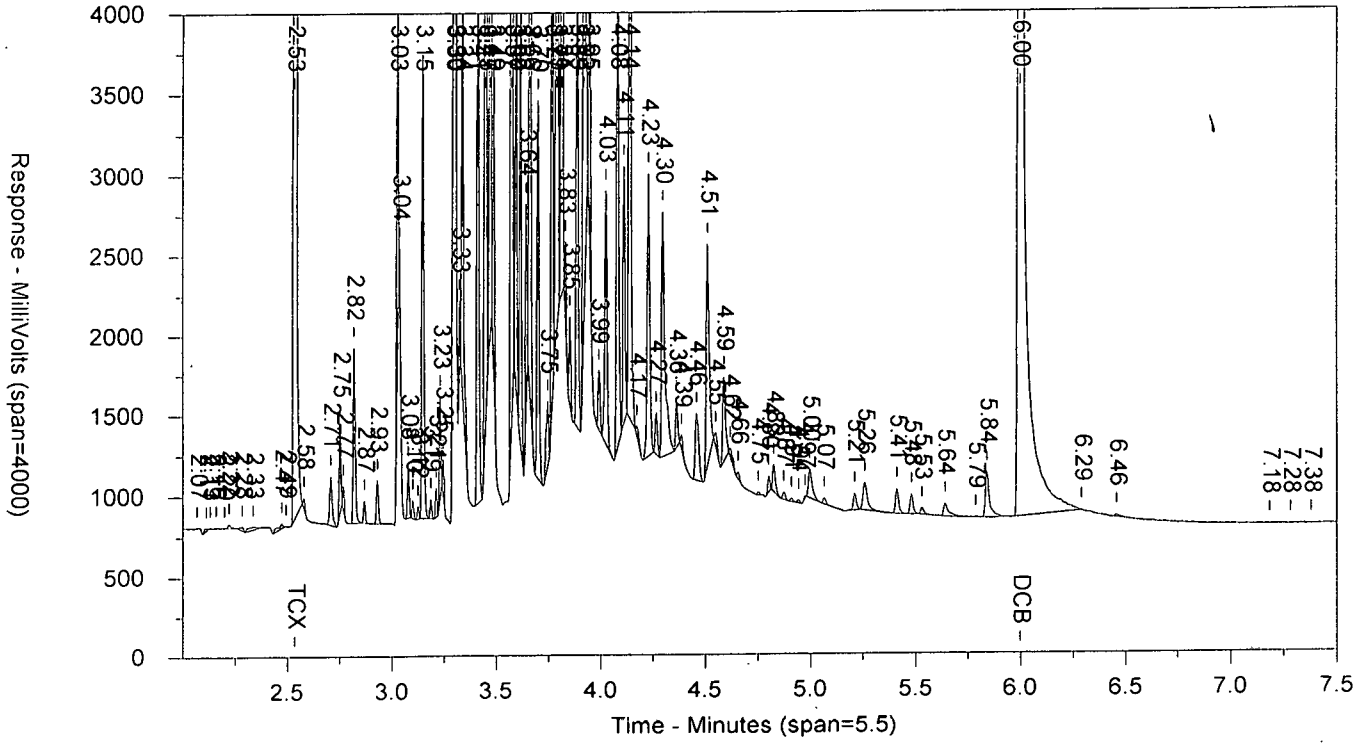

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:16:26 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.018.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.036		4990	12656
2.066		6548	19737
2.154		3042	5002
2.21		62546	47963
2.279		1168	801
2.309		33267	39007
2.498		2029	7347
2.519		2700	1861
2.549		9150	8008
2.66		1031	778
2.727		1824	2326
2.758		8809	8711
2.909	TCX	16371120	10600500
3.008		3903	2337
3.058		112434	101372
3.107		195634	175557
3.16		509636	367946
3.235		25691	13582
3.254		101573	65644
3.294		1933	1444
3.374		1510468	918087
3.391		474698	240818
3.428		110017	64133
3.444		16947	6438
3.455		15443	7456
3.488		1465428	1066106
3.524		4574	2384
3.545		37026	21902
3.564		51000	32391
3.597		274571	164605
3.612		73641	34885
3.655		1489321	783158
3.665		1298997	629127
3.702		1788193	1370612
3.759		2075586	1506171
3.799		280296	194057
3.827		3663743	2551543
3.854		2256011	1751827
3.876		564959	283264
3.949		4174371	2923689
3.972		1106141	694979
4.003		1326620	922865
4.036		3384187	2970454
4.076		1044555	806409
4.122		99216	86628
4.161		321505	243013
4.193		2880745	1904759
4.214		3330982	2077788
4.236		3907465	2834949
4.306		315150	275072
4.34		2521963	2176308
4.359		585561	323375
4.382		811063	525838
4.422		42567	27882

RT A	Compound A	Height A	Area A
4.444		172226	131392
4.486		923231	824666
4.535		1468417	1176688
4.566		802407	585055
4.597		2496652	2100069
4.645		40618	27358
4.679		811648	724489
4.721		193777	228829
4.767		191545	168951
4.807		1404034	1372423
4.886		116769	147016
4.918		201371	326455
4.969		19710	15031
5.003		1272751	1334823
5.051		27194	20219
5.076		24472	33239
5.123		361783	312485
5.144		14723	7537
5.161		14904	9637
5.19		56644	49866
5.232		30808	29692
5.269		2126	2227
5.33		101624	84872
5.353		41149	29736
5.41		24359	21028
5.447		12233	13570
5.489		5193	5155
5.531		55086	74958
5.591		117305	143296
5.796		90734	93049
5.851		39817	61500
5.988		48795	51547
6.05		38014	65413
6.224		45258	51822
6.271		1815	1475
6.357		1489	1506
6.426		99546	115693
6.574	DCB	10070890	10631060
6.724		2405	2346
7.022		5634	7574
7.214		832	1200
8.521		6993	15706

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:16:26 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.018.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.031		1742	1526
2.069		3272	1365
2.13		18575	61667
2.16		6567	8530
2.222		40381	43869
2.282		5836	7011
2.333		9274	10262
2.385		2156	2477
2.471		46484	78138
2.494		7711	4497
2.535	TCX	53083290	32772680
2.579		125146	68966
2.708		559899	473067
2.752		682818	364371
2.768		281112	140465
2.819		1968438	1338874
2.868		179826	108107
2.93		485799	331569
3.001		7302	6044
3.026		3942959	2060499
3.036		597362	214515
3.078		572464	344660
3.099		221538	133087
3.124		154886	79818
3.147		5179453	3611604
3.185		248461	158455
3.211		222098	115712
3.231		1159441	636349
3.246		418036	191661
3.304		11285530	12392340
3.325		924170	375916
3.338		4697817	2895849
3.412		7654769	4871455
3.448		12801080	7882115
3.47		11992680	6374046
3.488		3574246	1849964
3.545		15422	11576
3.572		15932240	10104470
3.595		4618585	2509318
3.616		5109889	3069804
3.644		2461743	1280277
3.661		11439200	6678334
3.7		4458885	3072432
3.746		764713	656018
3.767		7340592	4322056
3.789		19300180	11807790
3.813		12155120	7315550
3.831		1077433	484197
3.852		1080773	619495
3.87		40780	12996
3.887		5665760	3857894
3.919		10144390	7450719
3.945		4565606	2421916
3.992		749990	496219

RT B	Compound B	Height B	Area B
4.025		3021440	2294999
4.081		6143227	4560790
4.112		3358375	2341602
4.139		8839245	6674482
4.177		151056	133338
4.229		3742625	3124522
4.265		647575	473025
4.297		3328429	3435645
4.363		579070	406917
4.385		235845	155106
4.457		845311	985250
4.509		3393731	3252996
4.547		213952	182162
4.587		1100318	1044225
4.617		109660	129142
4.655		91164	66587
4.753		37444	24101
4.772		15707	9045
4.802		194368	142096
4.825		359725	318379
4.875		98740	85795
4.908		43801	36336
4.94		35474	28598
4.973		50539	35485
4.996		374205	420381
5.064		54233	51649
5.188		6329	4846
5.21		186948	186461
5.258		349484	484280
5.411		210711	218341
5.479		160977	162466
5.529		77748	86358
5.641		161013	251034
5.84		404578	521955
5.997	DCB	35095380	39265130
6.402		5682	5456
6.457		21371	42927
6.623		4183	6761
6.674		2625	4355
7.015		2321	3100
7.562		2273	2271
7.701		1495	1119
7.784		2225	1240
8.008		20964	38047
8.612		2377	2170

AR4861724B AAAR486AA ICAL 1727499999 10736 SW-846 8082

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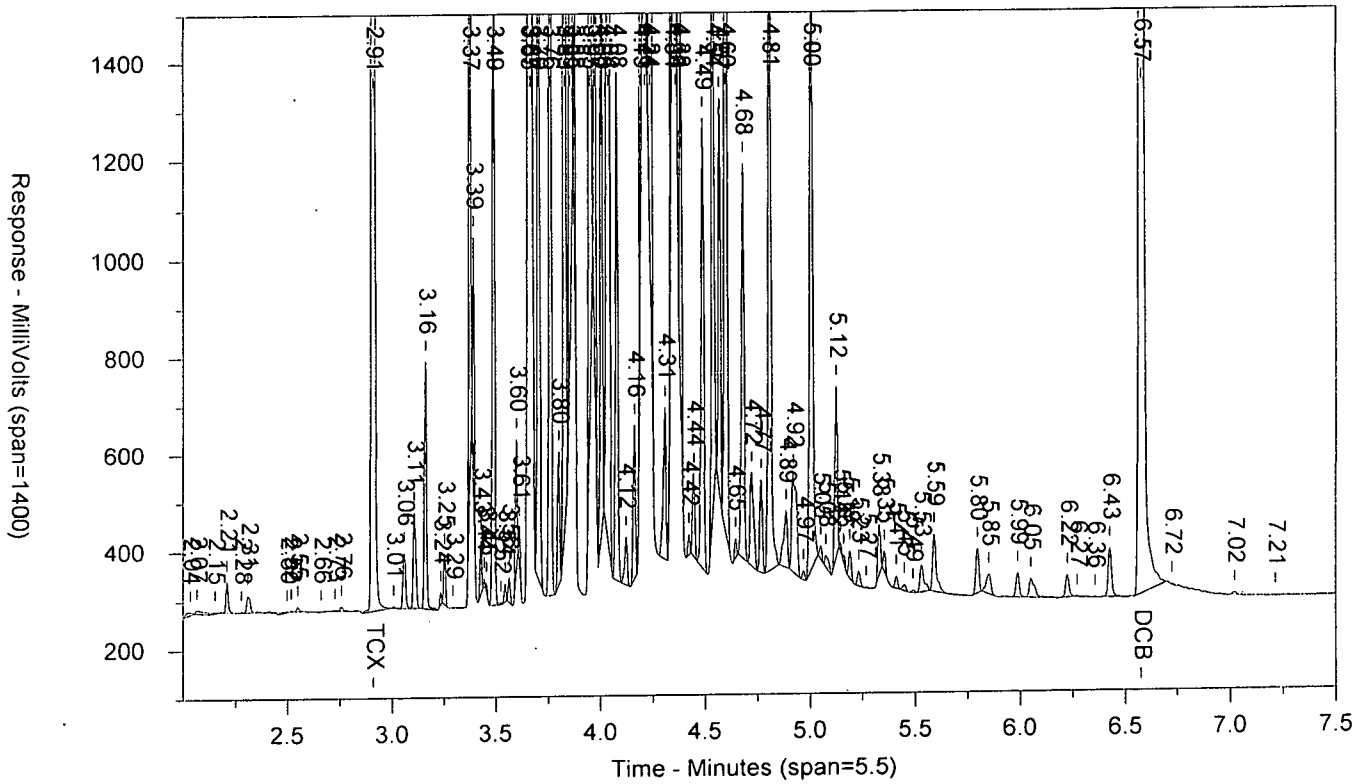

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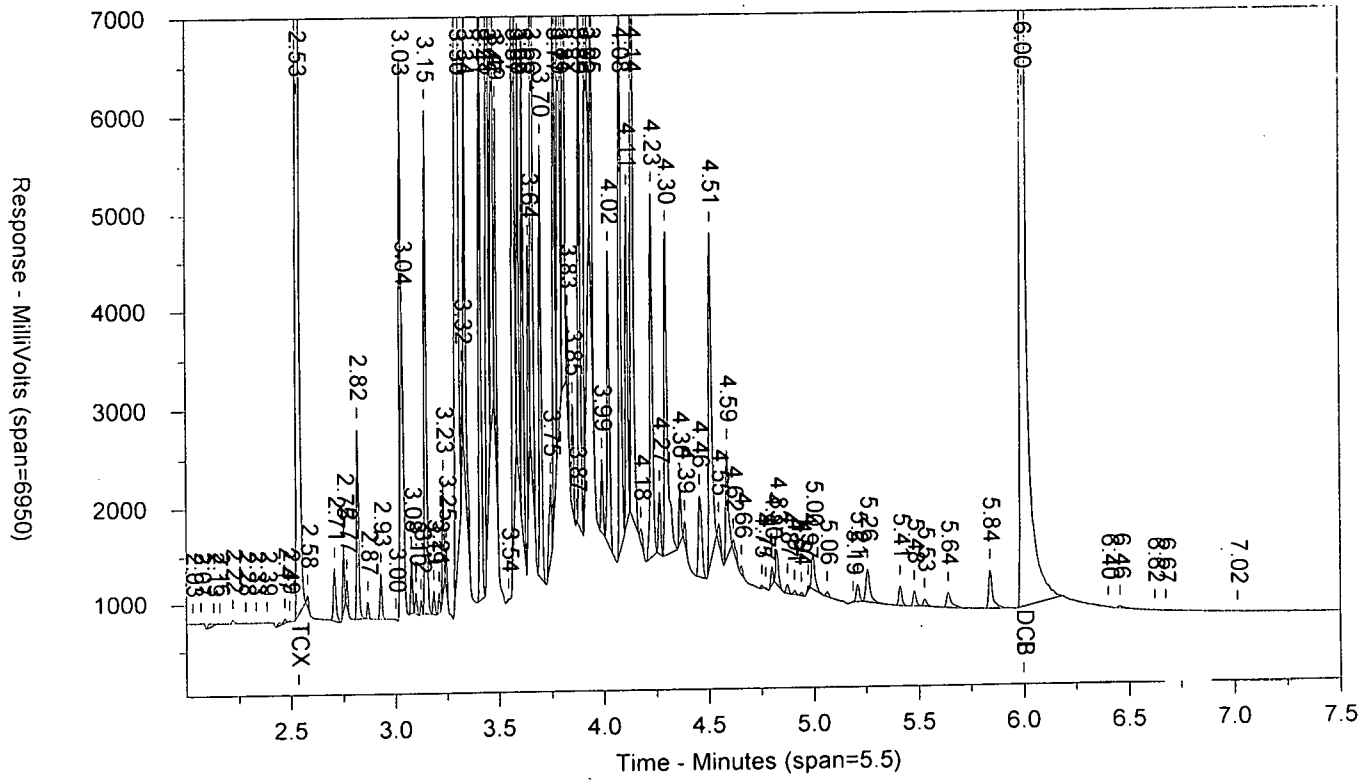

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:16:26 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	16371120	85.786	TCX	2.535	53083290	78.923	TCX
6.574	10070890	78.594	DCB	5.997	35095380	74.577	DCB

Files:
Area File: 20PCBs17275001.018.RAW
Area File: 20PCBs17275001B.018.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 11:25:09 PM
File Reported On: 10/2/2017 at 11:25:24 PM

AR4861724B AAAR486AA ICAL 1727499999 10736 SW-846 8082

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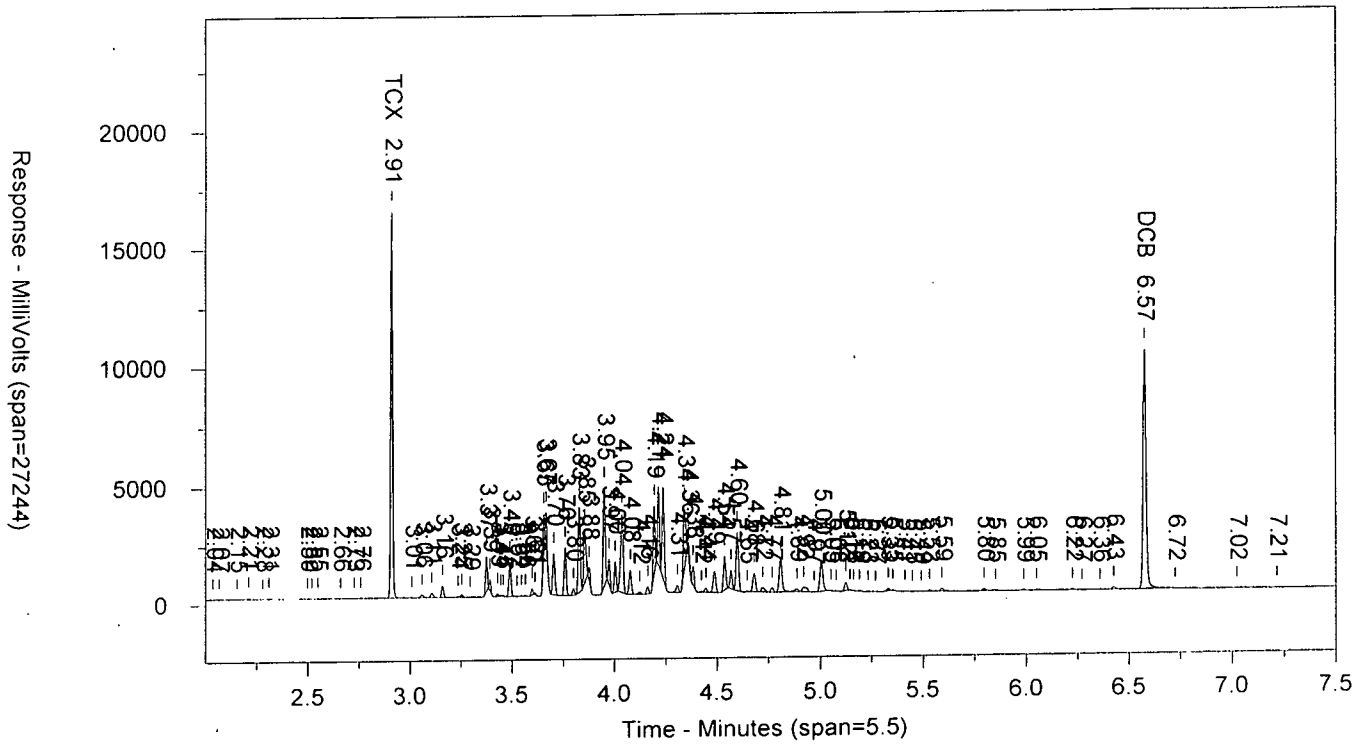

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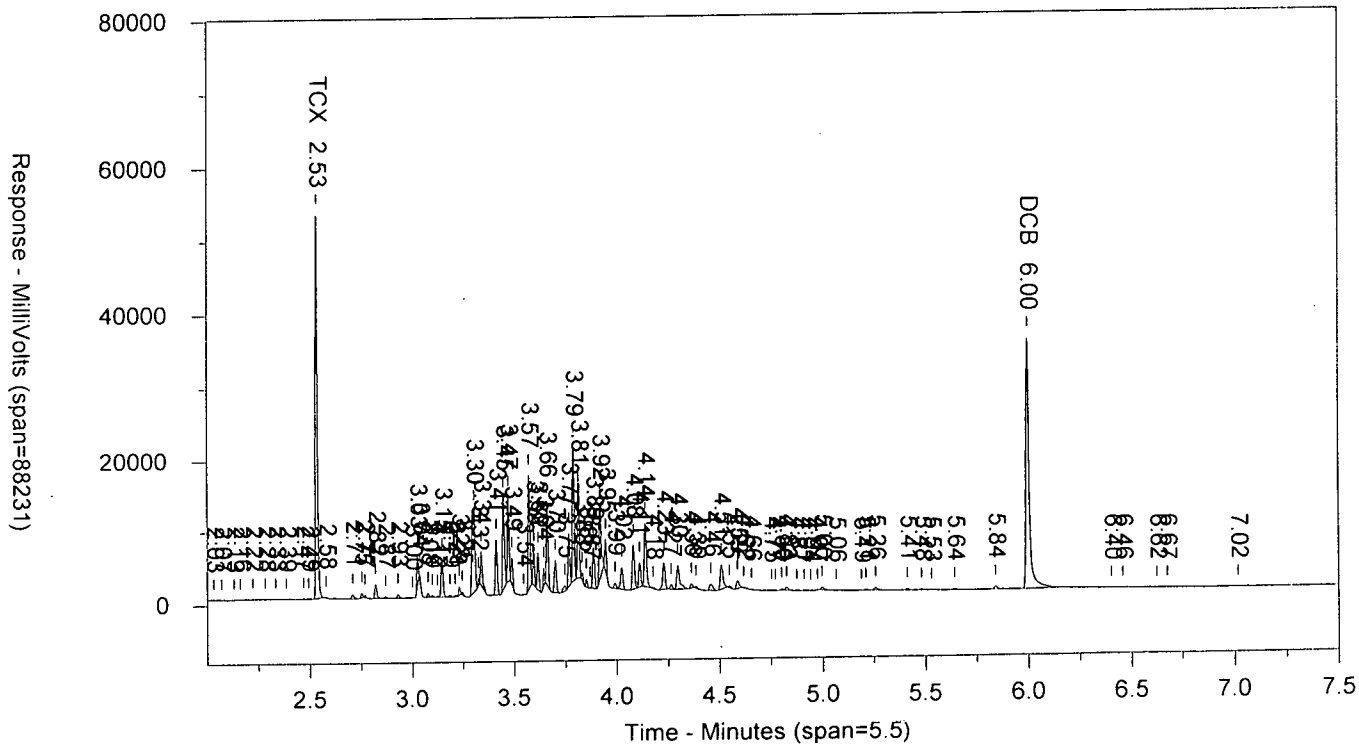

AR4861724B AAAR486AA ICAL 1727499999 10736 SW-846 8082

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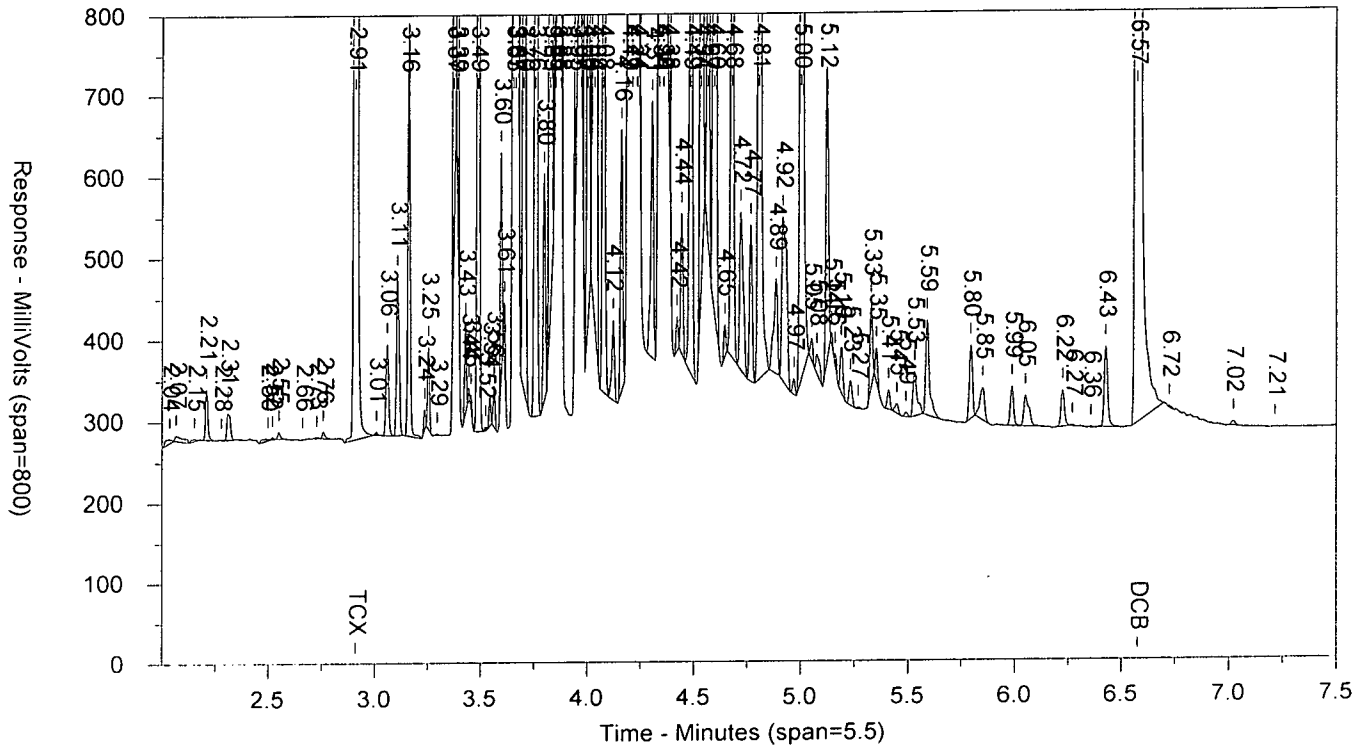

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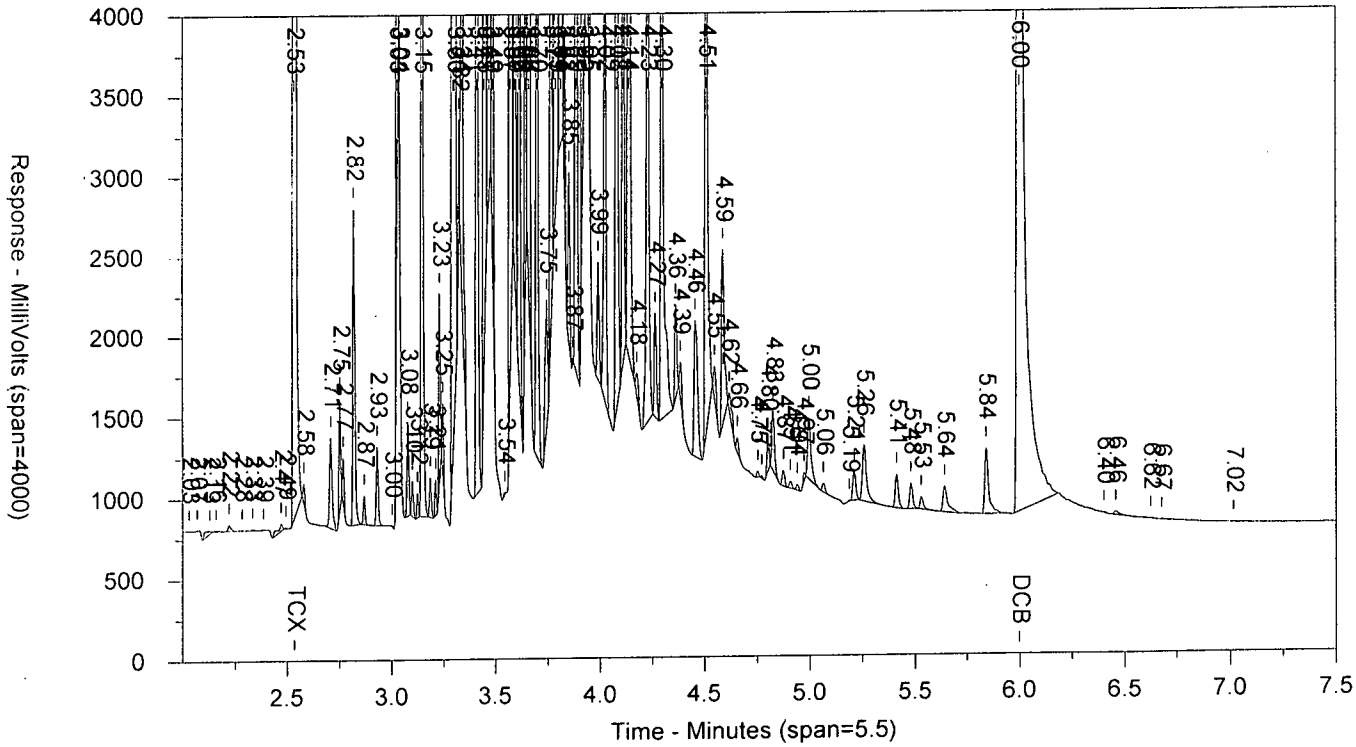

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:27:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.019.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.041		2235	6126
2.068		7788	18177
2.154		1213	2007
2.21		1621	1783
2.309		28004	19434
2.492		1172	2705
2.518		1663	1503
2.758		24890	29925
2.842		3086	4333
2.91	TCX	360759	254637
3.106		4957	3783
3.163		1922	1530
3.252		2268	6144
3.376		3215	3832
3.489		3132	3018
3.569		1543	1555
3.655		6470	11144
3.705		6364	5270
3.761		3098	2388
3.829		82904	61126
3.856		21175	17775
3.951		51798	37145
3.976		3378	1857
4.006		4422	3098
4.039		20471	17822
4.079		4034	3394
4.142		2613	1791
4.162		3030	2104
4.198		106133	78569
4.216		32772	17781
4.242		31531	25770
4.309		31783	25741
4.351		163545	173455
4.385		61386	49812
4.425		1804	1143
4.447		10272	7600
4.488		56404	50106
4.538		96874	86039
4.569		23248	14862
4.599		187908	177473
4.648		10483	6869
4.682		25110	18804
4.724		69678	70317
4.771		8980	8312
4.811		101192	120009
4.869		14631	15837
4.922		78316	129424
5.009		70050	82458
5.054		9453	6904
5.077		8116	12800
5.127		136151	184103
5.191		3821	2815
5.236		5977	6722
5.291		810	485

RT A	Compound A	Height A	Area A
5.334		31910	29679
5.356		6826	4659
5.411		3835	3226
5.451		4622	4525
5.535		19210	27773
5.594		17669	20480
5.8		16001	16037
6.051		1460	2843
6.31		1997	3718
6.429		2550	2429
6.576	DCB	260420	288519
7.514		936	781
7.878		738	1988
8.522		7371	15798

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:27:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.019.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.081		20284	20728
2.129		7318	23360
2.157		3895	4660
2.279		4313	4783
2.331		5071	5444
2.453		10624	19337
2.472		105797	97099
2.535	TCX	1451621	981666
2.63		2979	3190
2.707		8664	18215
2.753		37526	49494
2.821		9572	7039
2.867		4986	4015
3.029		25517	31563
3.072		1020	186
3.081		1259	560
3.109		4866	3530
3.131		1658	573
3.15		13666	11323
3.188		8268	6645
3.212		5108	2519
3.232		3074	1741
3.25		20203	24089
3.298		33039	39026
3.327		3885	2062
3.34		15827	10884
3.413		17513	12602
3.449		373510	241161
3.472		112177	64764
3.489		10075	4167
3.574		249614	170961
3.597		14885	7462
3.618		22826	15798
3.647		8348	4267
3.662		90501	57067
3.702		22929	16045
3.74		15571	10983
3.768		55224	29897
3.79		684321	484116
3.815		42477	20761
3.834		85140	48668
3.854		143135	95615
3.889		592887	427481
3.919		177800	101270
3.934		158810	83218
3.994		44638	29727
4.028		204252	154676
4.083		429252	333535
4.115		106272	85844
4.142		617267	554291
4.179		50897	44853
4.231		378334	330053
4.267		20791	16653
4.3		128457	93248

RT B	Compound B	Height B	Area B
4.322		51944	38767
4.366		229653	257824
4.459		246762	308867
4.514		122129	134808
4.552		66914	60074
4.59		400082	823479
4.778		5058	3379
4.805		21952	13620
4.829		108766	133751
4.878		17155	12862
4.912		13484	11161
4.947		6311	4839
4.999		76928	198383
5.211		3982	3634
5.259		54367	107116
5.414		6863	7608
5.484		6865	11428
5.649		5142	15564
5.844		8812	13083
5.999	DCB	985789	1400499
6.471		1791	2368
7.182		2009	1941
7.227		2360	3035
7.351		2658	1810
7.396		1785	1099
7.563		2112	1770
7.742		2491	3535
8.012		22112	39926
8.215		2489	2274
8.493		1867	930

AR5411724C AAAR541AA ICAL 1727499999 10736 SW-846 8082

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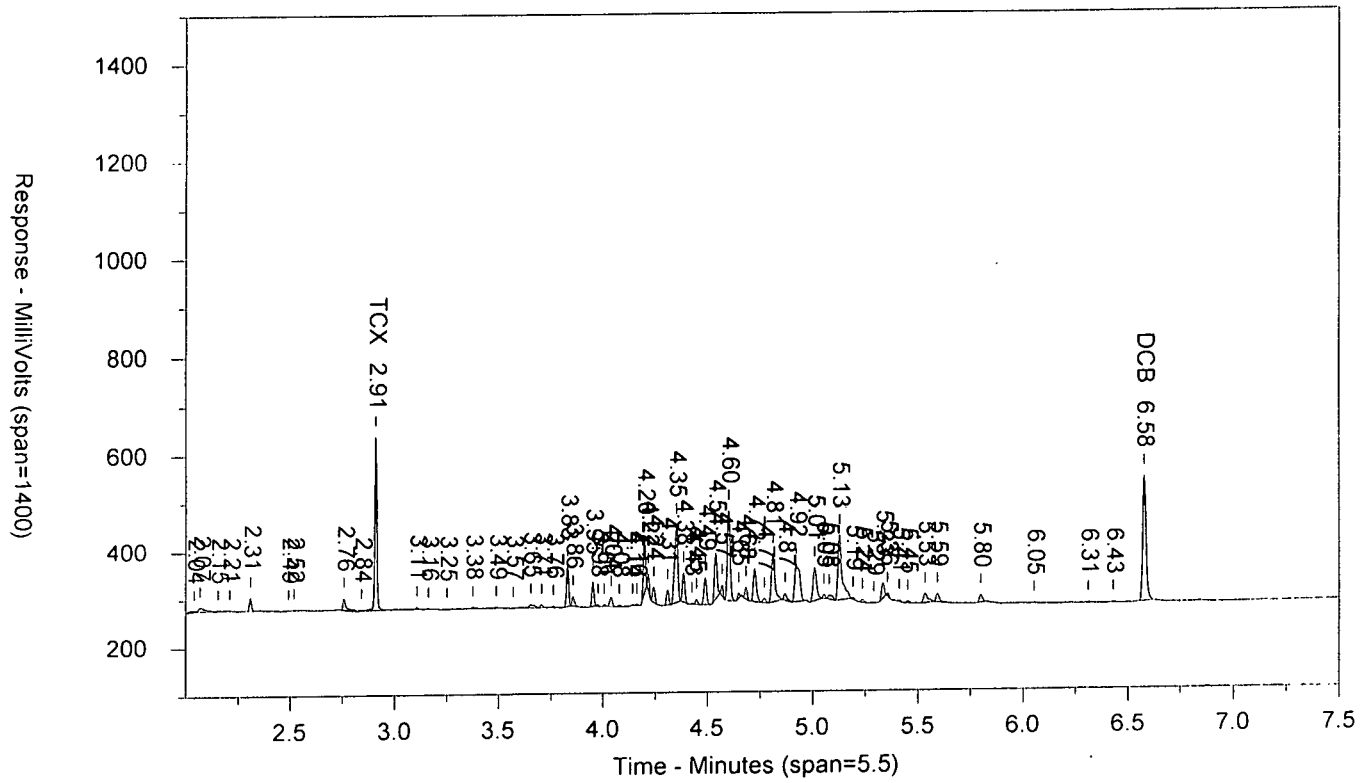

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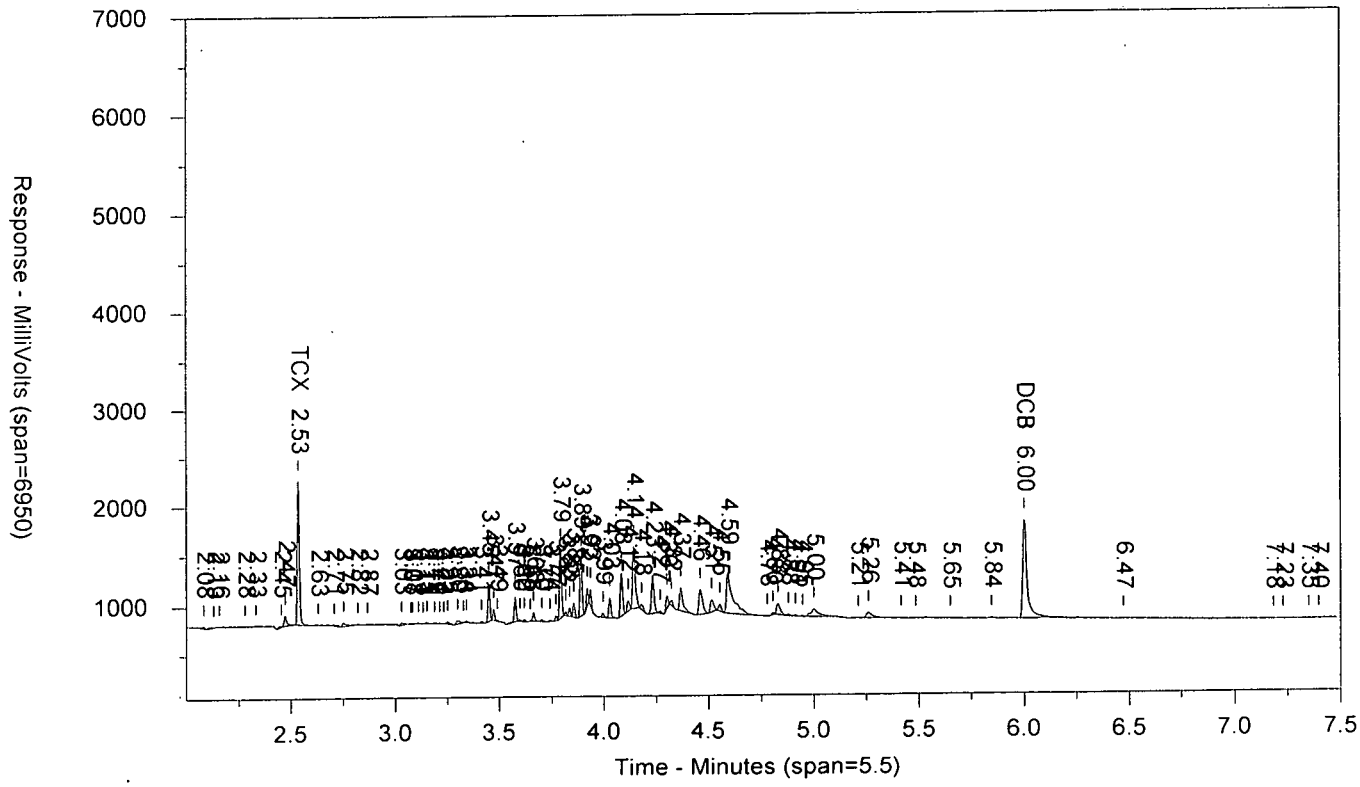

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:27:57 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	360759	1.89	TCX	2.535	1451621	2.158	TCX
6.576	260420	2.032	DCB	5.999	985789	2.095	DCB

Files:
Area File: 20PCBs17275001.019.RAW
Area File: 20PCBs17275001B.019.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 11:36:41 PM
File Reported On: 10/2/2017 at 11:36:48 PM

AR5411724C AAAR541AA ICAL 1727499999 10736 SW-846 8082

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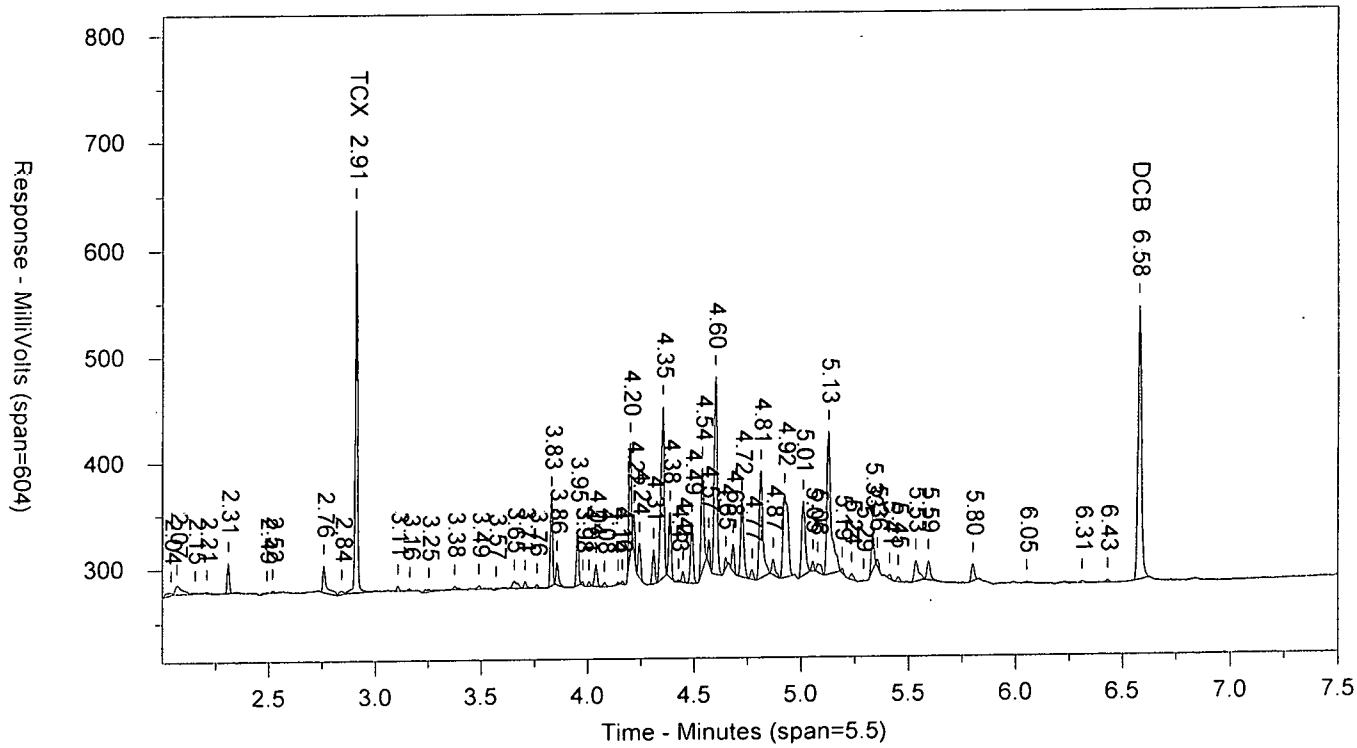

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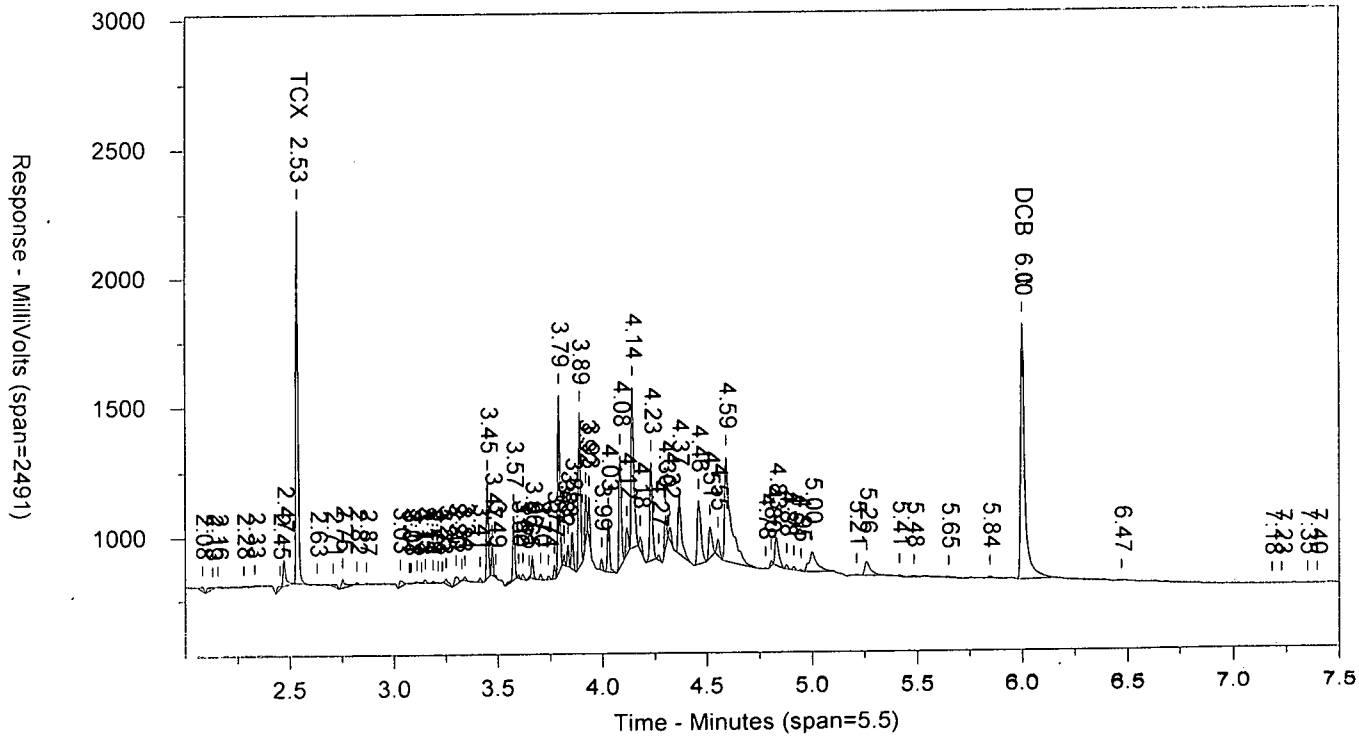

AR5411724C AAAR541AA ICAL 1727499999 10736 SW-846 8082

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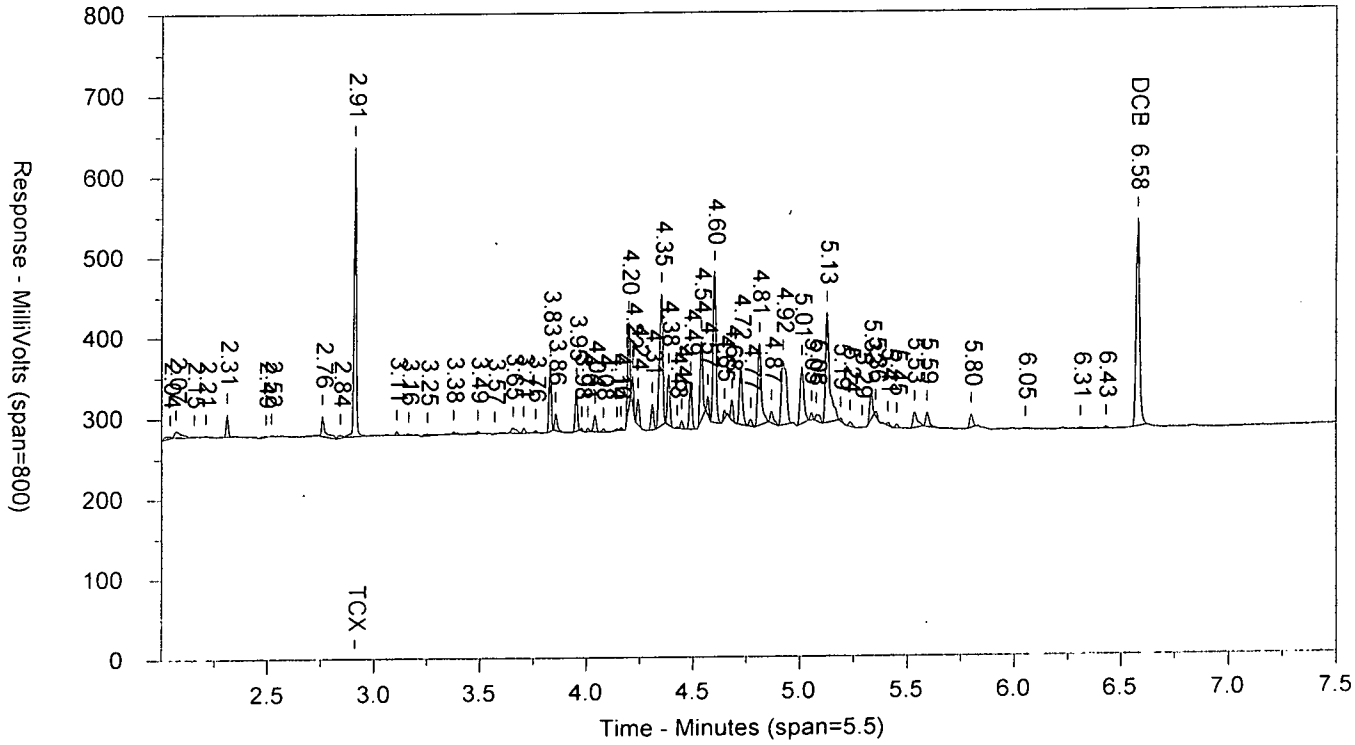

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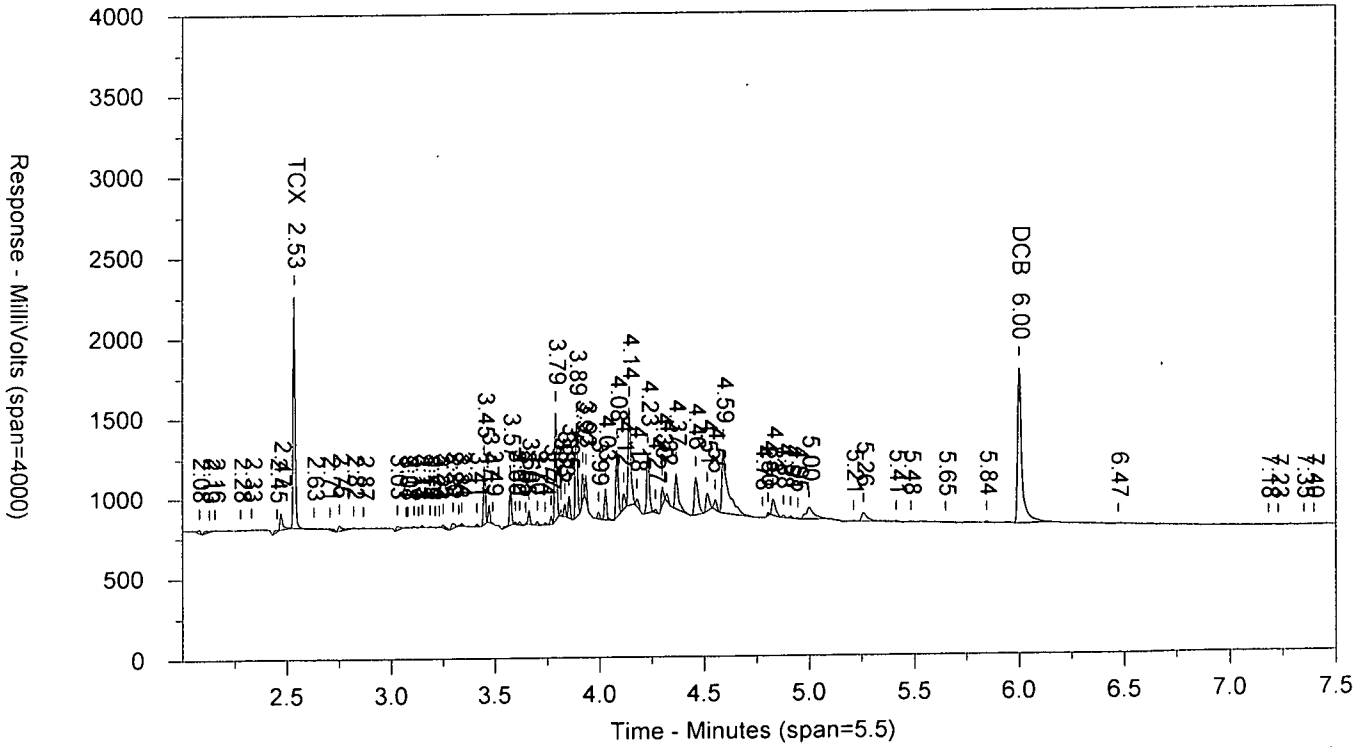

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:39:24 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.020.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.023		3512	5833
2.069		4696	7681
2.209		3422	2757
2.309		32245	22789
2.484		1968	4311
2.518		1532	1597
2.659		1019	535
2.758		14012	28901
2.847		4567	8319
2.909	TCX	698992	475323
3.058		1500	1614
3.106		9097	6363
3.161		3814	2482
3.237		2065	1473
3.375		5448	3221
3.394		2083	1254
3.447		1753	1277
3.489		5853	5981
3.545		1927	1378
3.567		3414	2506
3.656		8930	15212
3.705		11980	9904
3.761		5781	5729
3.828		158884	115628
3.855		40241	34897
3.951		97162	70576
3.975		5649	3128
4.005		8975	6572
4.039		39632	33936
4.078		7178	5953
4.143		2029	1355
4.162		6623	4499
4.197		214812	153901
4.215		60106	33879
4.241		57758	47577
4.308		64345	50478
4.35		312434	332035
4.384		115860	94386
4.423		3861	2263
4.446		19869	15216
4.488		109239	96574
4.537		197251	169577
4.568		44424	28819
4.598		390380	342484
4.647		19436	13095
4.661		6174	2498
4.681		48560	36166
4.722		133258	132274
4.769		18572	16909
4.81		205590	236397
4.868		28610	30637
4.92		152663	247419
5.009		139678	160310
5.053		17839	13279

RT A	Compound A	Height A	Area A
5.077		15518	24085
5.126		263968	357560
5.192		8003	6018
5.233		11084	12412
5.333		65464	58162
5.354		11016	8048
5.412		8701	7115
5.451		9090	8528
5.535		36061	53379
5.593		35731	39056
5.799		29980	30812
5.826		2761	2683
5.99		2331	2989
6.049		2596	4410
6.226		1948	2141
6.429		4546	5717
6.496		764	1017
6.576	DCB	491682	557243
7.265		722	475
7.429		799	577
7.5		1364	2320
7.782		1072	1648
7.872		965	1467
8.094		759	1605
8.251		607	882
8.518		7129	15844

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:39:24 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.020.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.082		18435	14512
2.132		8434	29444
2.159		5075	6537
2.217		1732	3158
2.28		3618	3181
2.331		10665	178378
2.471		84455	160689
2.534	TCX	2663799	1785908
2.709		13383	21737
2.752		59793	60127
2.82		16502	13595
2.868		10668	8835
2.913		3933	1850
3.001		4841	5024
3.028		39906	47874
3.08		2216	1453
3.103		9933	11580
3.149		26615	17386
3.186		16118	10849
3.211		7734	3565
3.231		5553	2885
3.249		16420	23449
3.296		47819	53751
3.325		12175	5450
3.34		32225	24318
3.374		5079	3049
3.413		27316	19152
3.449		699525	438138
3.471		213226	123754
3.489		17723	7515
3.574		444611	287350
3.597		29447	14253
3.617		43985	28933
3.646		17643	8128
3.662		168161	102224
3.701		42890	30577
3.739		31184	23683
3.768		100903	54937
3.79		1290968	888056
3.814		84361	43564
3.833		161492	93598
3.853		263859	172963
3.888		1126163	807917
3.918		350065	196168
3.934		283549	152255
3.993		90062	63343
4.027		401523	318809
4.082		835270	642017
4.115		208634	167091
4.141		1266468	1067965
4.177		99371	89945
4.23		729656	623202
4.266		46010	36056
4.299		296330	224759

RT B	Compound B	Height B	Area B
4.321		90237	64975
4.365		470496	475088
4.458		475849	583325
4.512		265170	273043
4.55		120698	109149
4.589		743411	1187010
4.656		19005	13068
4.773		9833	7772
4.804		41959	28040
4.828		222759	249313
4.875		29086	24735
4.911		28603	24582
4.942		12392	10653
4.998		154088	486580
5.214		4912	4489
5.257		110135	207376
5.413		10283	12546
5.48		10084	12159
5.537		4400	4842
5.643		6919	9367
5.843		15384	23750
5.999	DCB	1778805	2493224
6.477		4000	9019
7.569		2794	3672
7.725		2298	2088
8.011		20539	35529
8.304		2610	2813

AR5421724C AAAR542AA ICAL 1727499999 10736 SW-846 8082

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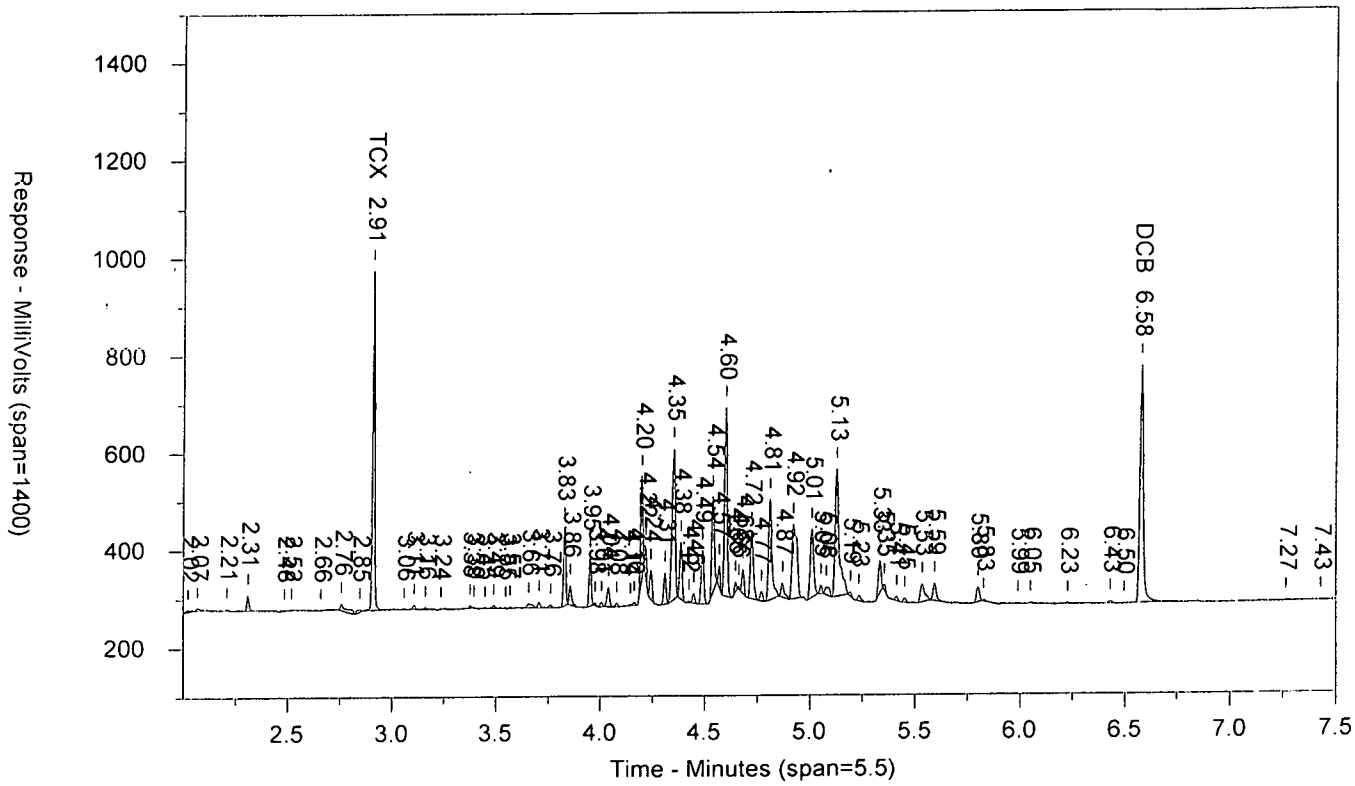

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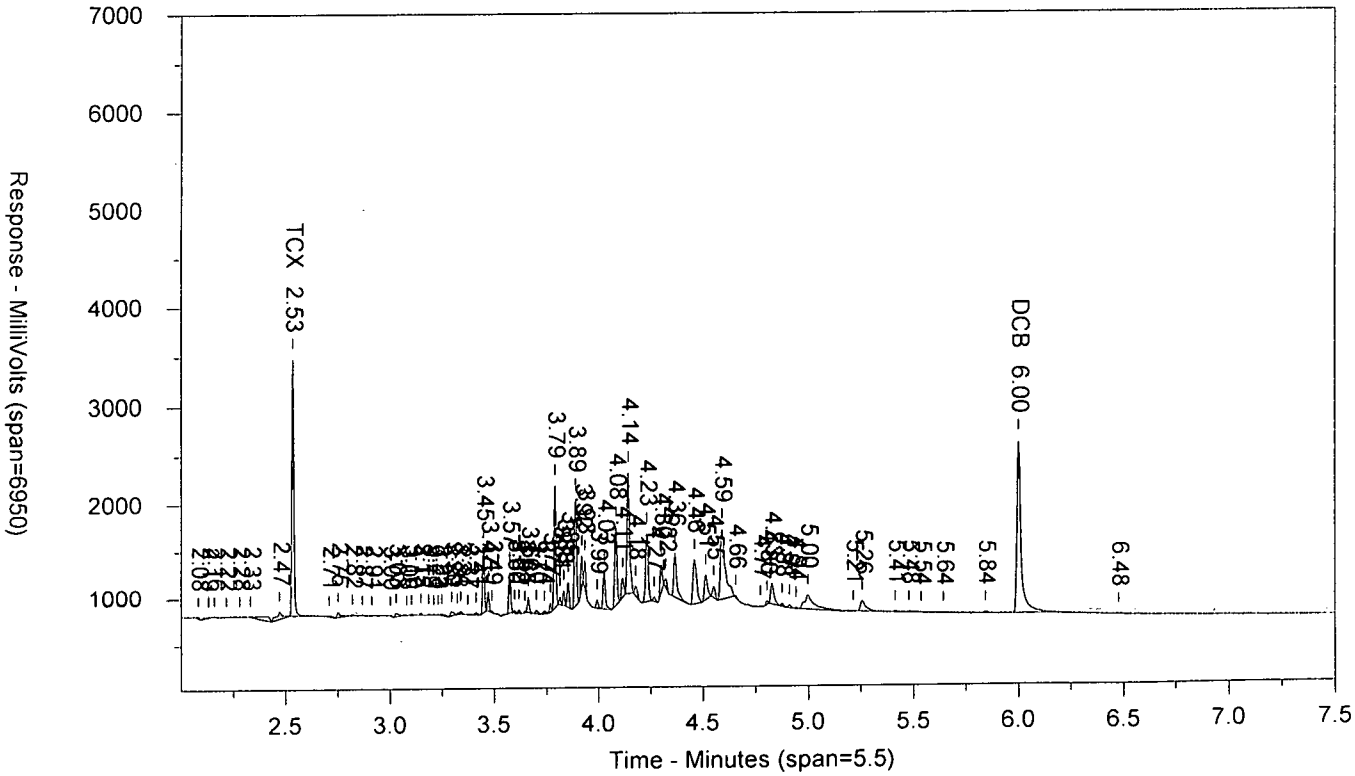

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:39:24 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	698992	3.663	TCX	2.534	2663799	3.96	TCX
6.576	491682	3.837	DCB	5.999	1778805	3.78	DCB

Files:
Area File: 20PCBs17275001.020.RAW
Area File: 20PCBs17275001B.020.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 11:48:07 PM
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AR5421724C AAAR542AA ICAL 1727499999 10736 SW-846 8082

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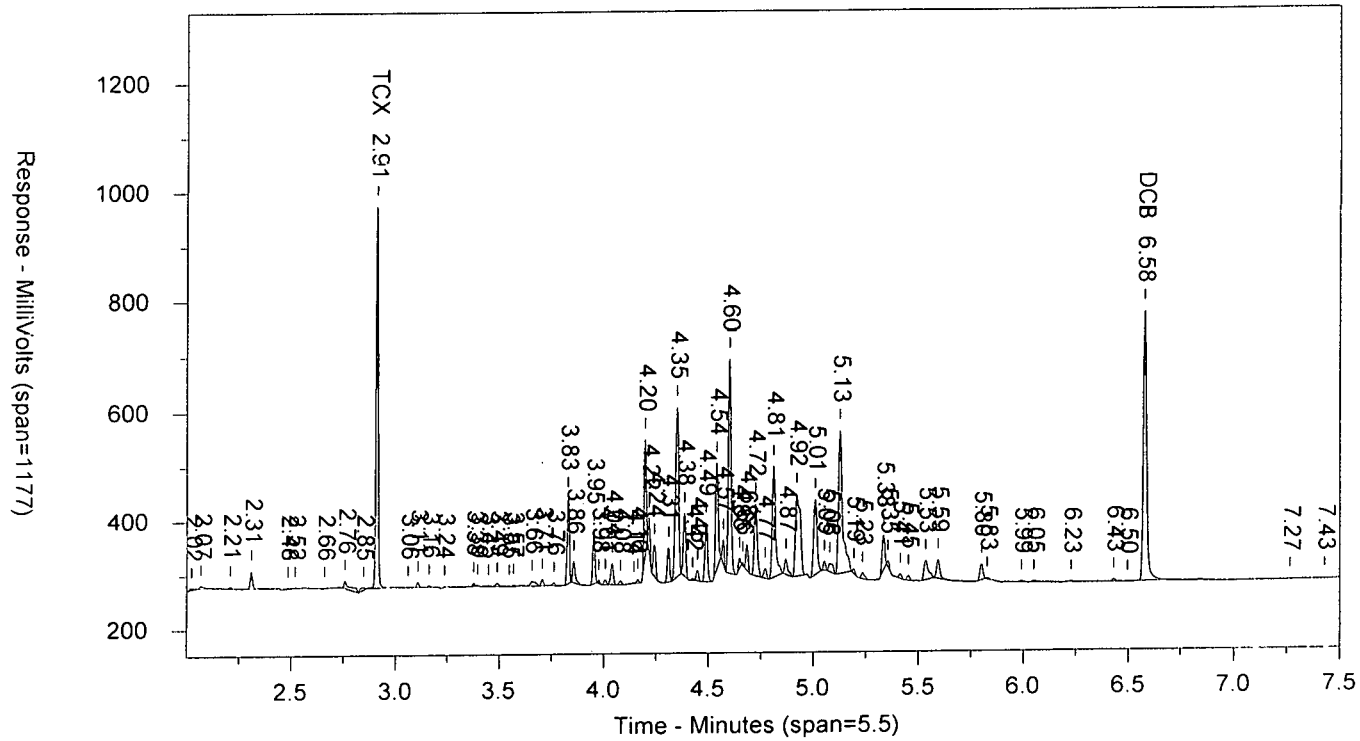

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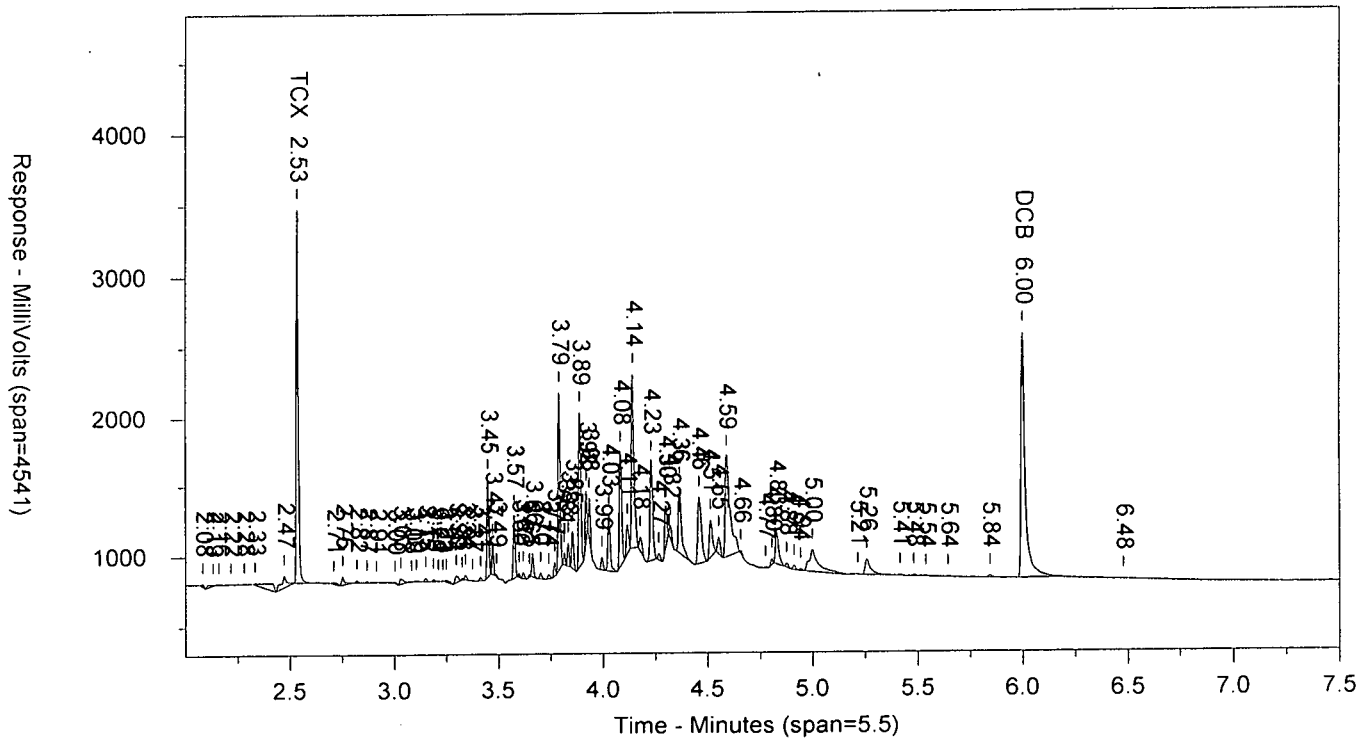

AR5421724C AAAR542AA ICAL 1727499999 10736 SW-846 8082

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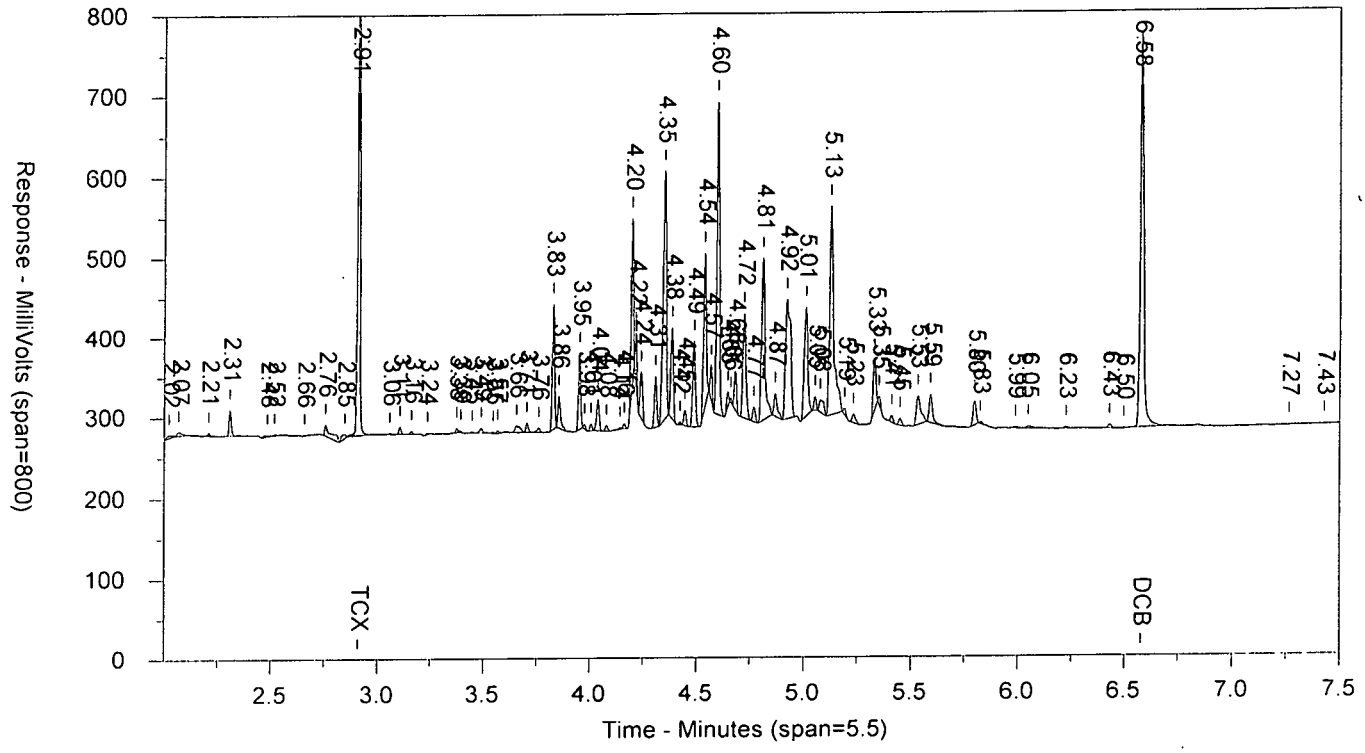

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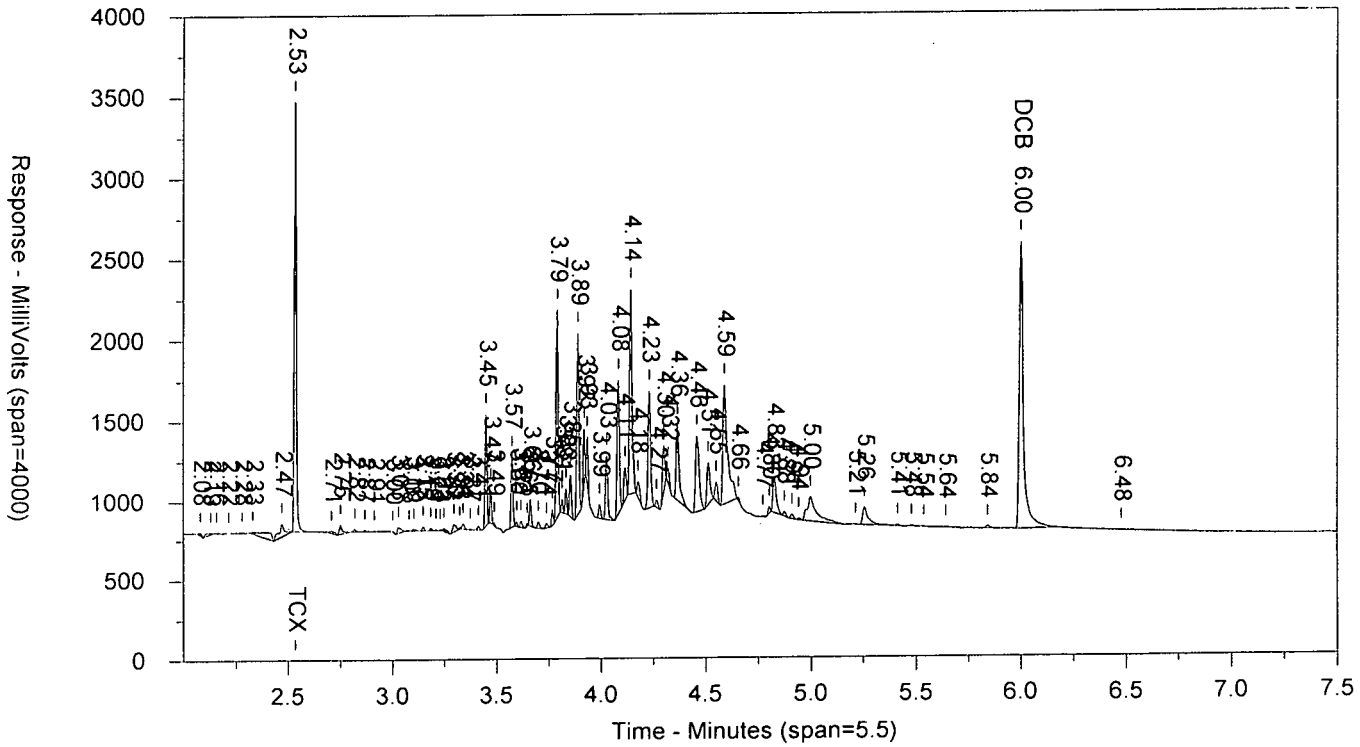

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:50:40 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.021.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.038		1843	5425
2.066		7307	14500
2.21		7016	6143
2.309		25623	19216
2.409		1171	3973
2.496		1269	4058
2.519		1985	1895
2.758		25231	31813
2.844		3554	5371
2.909	TCX	1426000	968915
3.057		2830	2918
3.106		18754	14056
3.161		6825	5282
3.236		3919	2902
3.376		9791	6052
3.392		3573	2194
3.445		3650	2773
3.489		10811	9128
3.543		2914	1792
3.565		7735	5589
3.598		2757	3244
3.655		8197	4381
3.704		25412	19763
3.759		10592	8327
3.8		1314	916
3.827		293505	213755
3.854		75278	67229
3.949		171785	131022
3.973		10316	5567
4.004		17829	12299
4.037		72624	64797
4.076		13836	11174
4.124		1005	1106
4.139		1520	630
4.16		13288	9011
4.195		406712	282345
4.214		109325	61512
4.239		113102	89093
4.306		113189	93849
4.348		602698	620864
4.382		214154	177672
4.421		7022	4464
4.445		38199	28787
4.486		207389	182675
4.536		389537	321502
4.566		82652	54014
4.596		742000	655109
4.645		32886	22934
4.659		8462	3851
4.68		92189	68667
4.72		261824	247819
4.766		37770	33535
4.808		418759	451375
4.866		52644	58093

RT A	Compound A	Height A	Area A
4.919		293118	464142
4.968		6142	3952
5.006		296527	313073
5.051		34011	26414
5.078		32843	48072
5.123		532486	671229
5.188		14966	11440
5.233		20010	23133
5.33		136556	115758
5.352		21040	14269
5.41		19158	16666
5.448		17842	16564
5.49		2686	2371
5.53		63721	63740
5.59		65652	73482
5.796		58702	58201
5.825		4648	3830
5.988		5078	5379
6.049		5268	8805
6.224		3837	4254
6.428		8758	9038
6.575	DCB	950816	1105316
6.839		1676	3397
7.022		1068	1796
8.095		763	1835
8.165		1019	2182
8.319		580	503
8.513		7459	17483

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:50:40 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.021.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.082		23471	21715
2.123		3090	15363
2.16		3660	2925
2.224		4832	14415
2.332		6183	7694
2.41		12058	15953
2.456		7759	19880
2.472		112716	91654
2.535	TCX	5092844	3393147
2.708		22875	34777
2.752		107883	94706
2.82		31790	24626
2.868		19231	12869
2.915		2496	1405
2.93		2686	2693
3.028		69545	80708
3.067		1492	319
3.079		4464	2655
3.101		18856	14937
3.149		51317	38854
3.186		35933	24153
3.211		14188	7363
3.231		11279	6132
3.248		17372	24726
3.296		81590	87633
3.325		19346	8347
3.34		68516	52316
3.412		51844	35805
3.448		1214593	779537
3.471		402573	226229
3.488		37729	15176
3.572		804852	518261
3.595		59369	29493
3.616		89681	60405
3.645		44729	21538
3.661		302923	186502
3.7		87702	59651
3.738		62339	46848
3.767		194889	107061
3.788		2329334	1604492
3.813		177030	91178
3.832		294202	167592
3.852		496407	311846
3.886		2075200	1487279
3.916		671826	384740
3.932		516450	269035
3.992		178297	125467
4.025		770028	600100
4.081		1589919	1244103
4.113		450017	336800
4.139		2494863	2043793
4.176		193091	186492
4.228		1392314	1188288
4.265		109037	80796

RT B	Compound B	Height B	Area B
4.297		737603	545081
4.319		191152	128017
4.344		7947	2070
4.363		926926	886103
4.456		954924	1098174
4.51		605878	581029
4.548		235023	213062
4.587		1476818	1701954
4.629		56764	37352
4.654		45207	28373
4.75		8650	4387
4.772		26276	21396
4.802		81107	52868
4.825		447371	472677
4.874		71292	57837
4.909		60869	50691
4.941		27900	22475
4.975		55935	45541
4.995		184198	232310
5.211		9975	8827
5.253		209660	402394
5.41		20525	22173
5.48		18927	28259
5.529		8090	8343
5.641		11466	22117
5.841		30307	55871
5.997	DCB	3560186	4726638
6.457		2503	2141
7.669		2415	3080
7.742		2322	2962
7.911		2785	2345
8.007		21427	40475
8.116		2476	1963
8.252		2501	4265
8.551		1951	2727

AR5431724C AAAR543AA ICAL 1727499999 10736 SW-846 8082

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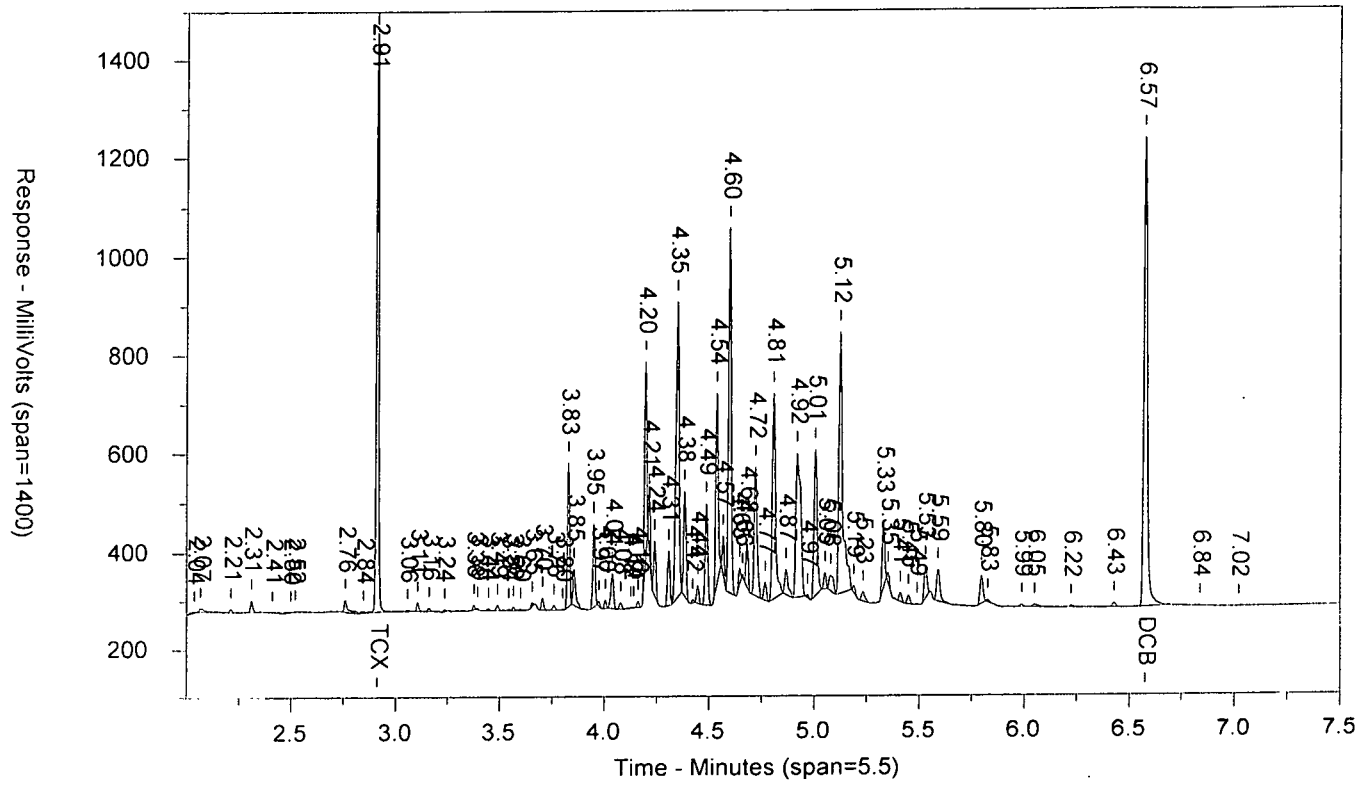

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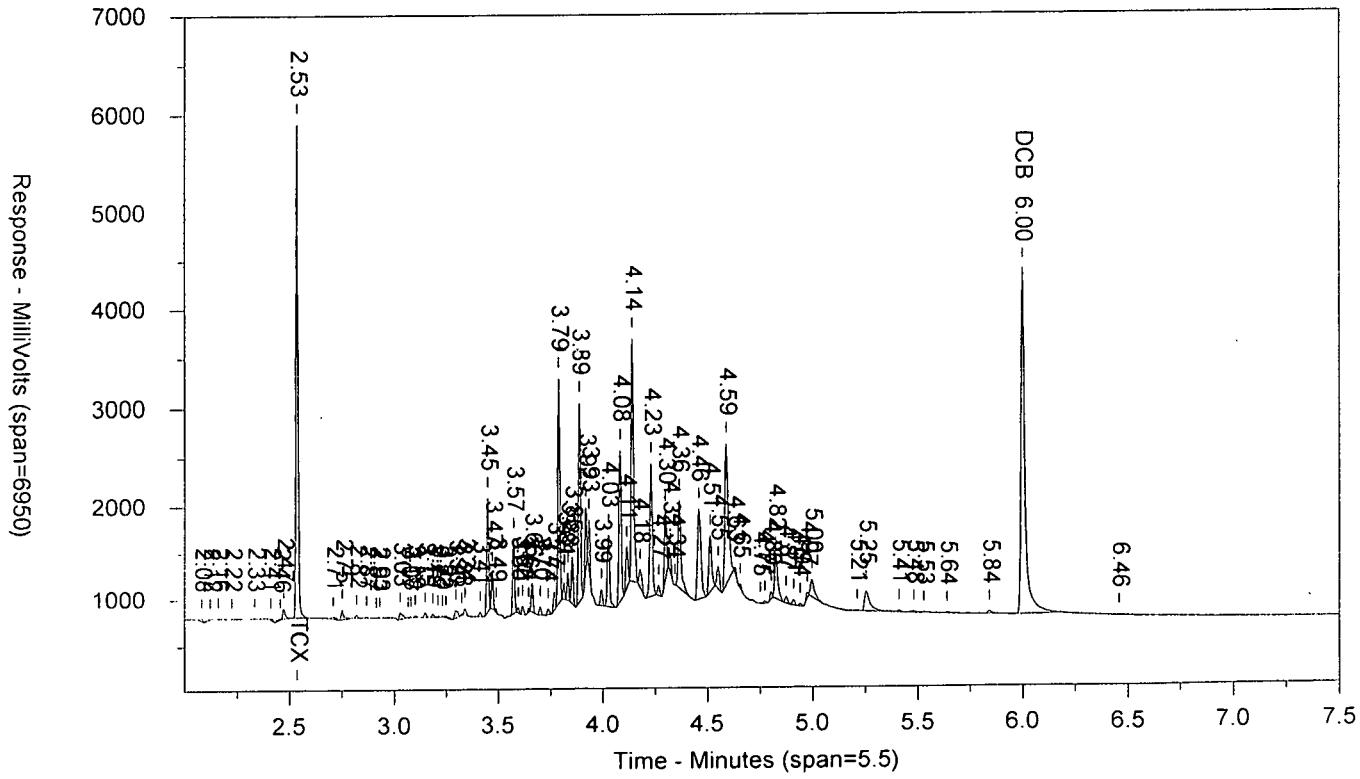

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/2/2017 11:50:40 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	1426000	7.472	TCX	2.535	5092844	7.572	TCX
6.575	950816	7.42	DCB	5.997	3560186	7.565	DCB

Files:
Area File: 20PCBs17275001.021.RAW
Area File: 20PCBs17275001B.021.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/2/2017 11:59:24 PM
File Reported On: 10/2/2017 at 11:59:37 PM

AR5431724C AAAR543AA ICAL 1727499999 10736 SW-846 8082

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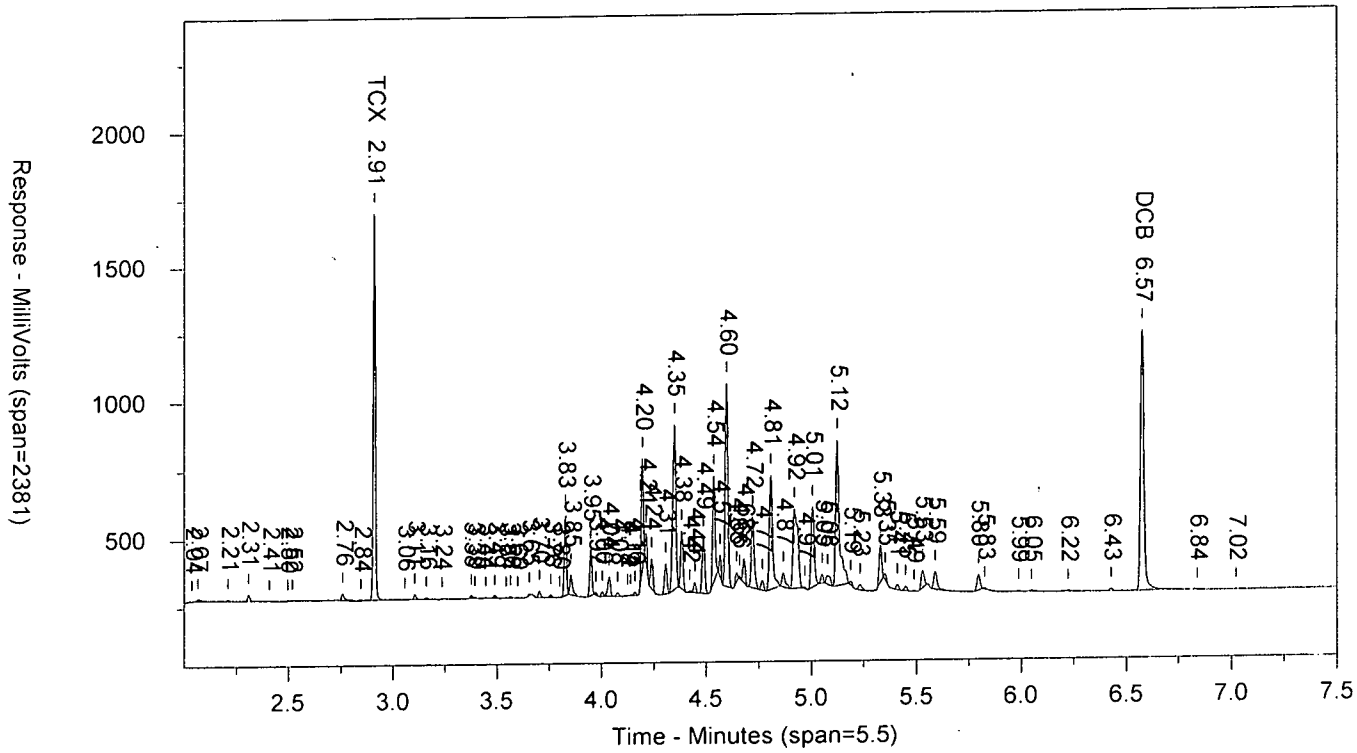

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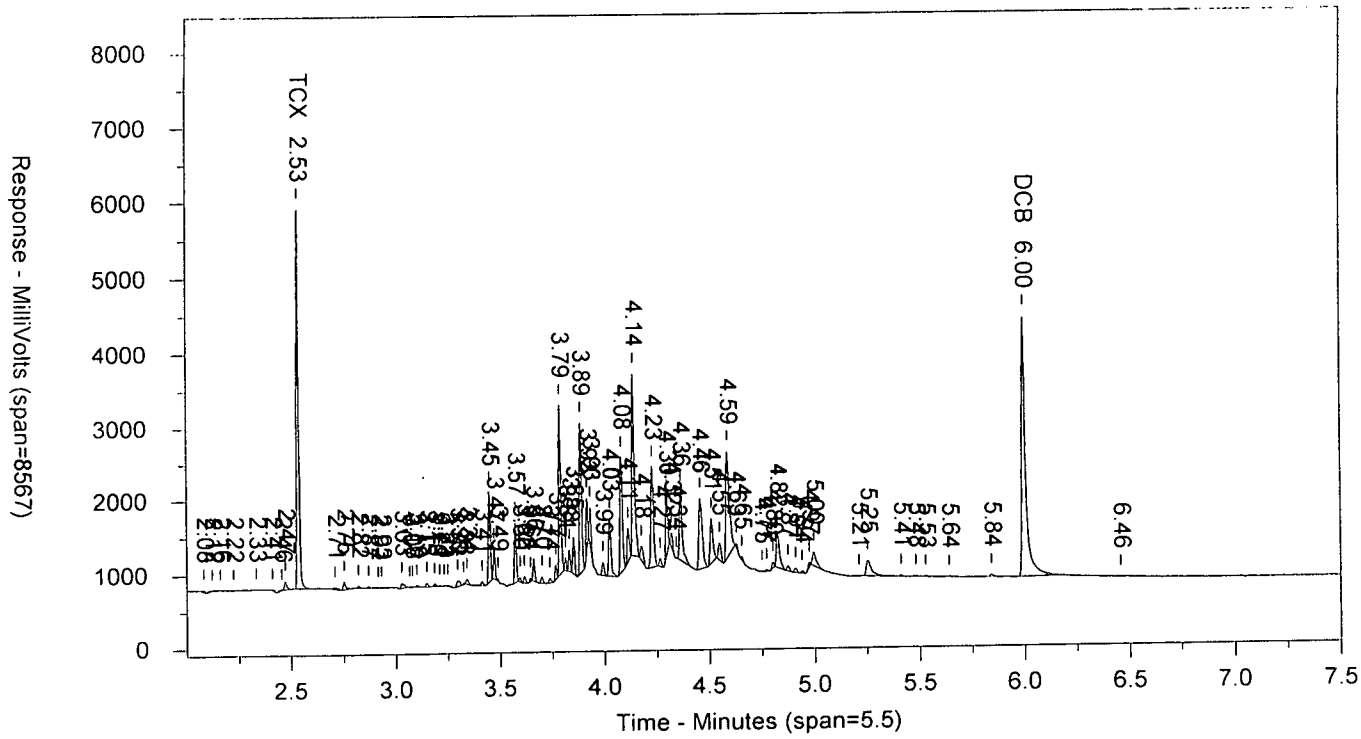

AR5431724C AAAR543AA ICAL 1727499999 10736 SW-846 8082

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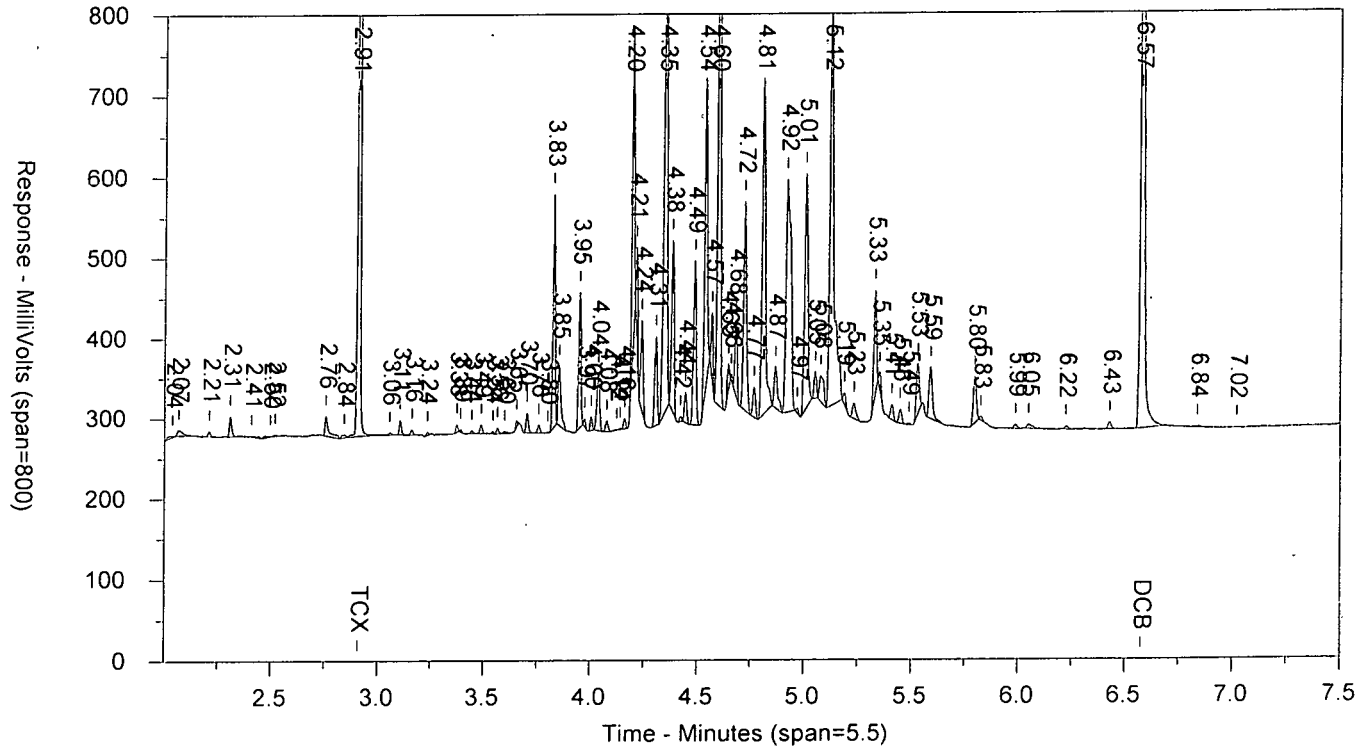

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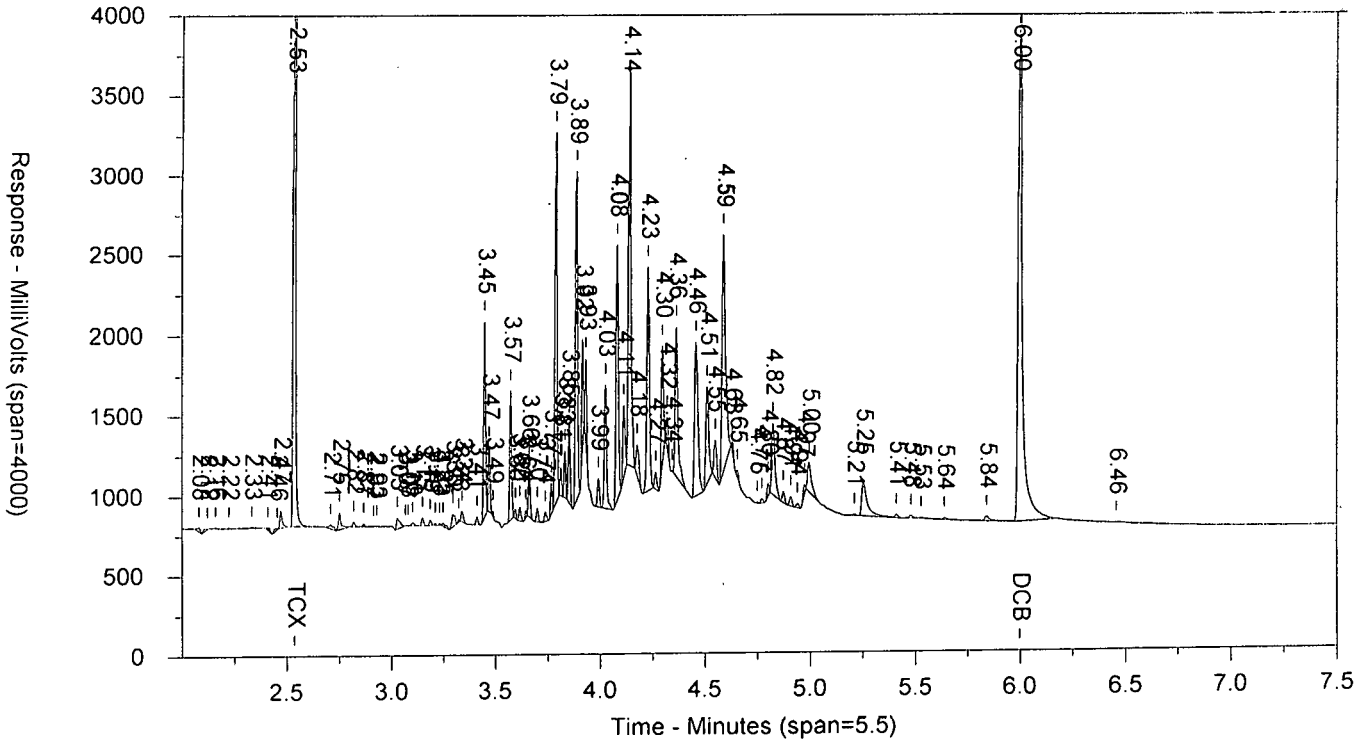

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:01:58 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.022.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.036		3628	8888
2.068		4753	6184
2.155		12566	31995
2.21		16475	12125
2.309		32442	25990
2.415		2372	6969
2.495		1910	6928
2.519		1730	1838
2.737		942	1527
2.758		13393	24897
2.842		6206	9113
2.909	TCX	3737520	2468760
3.007		1245	1372
3.058		7298	6883
3.106		46324	32255
3.161		17821	22073
3.236		9705	6765
3.256		2520	1536
3.375		25544	15226
3.391		9013	5217
3.444		10565	9391
3.489		28098	22166
3.543		8075	5145
3.564		20063	13495
3.598		5870	3365
3.631		1164	483
3.654		18257	9993
3.666		9981	8485
3.703		64047	48639
3.758		26882	20361
3.799		3414	1888
3.826		694351	509054
3.853		184075	161983
3.948		421965	314295
3.972		24388	14264
4.003		44550	31324
4.037		180599	158276
4.076		35619	28278
4.122		5932	6350
4.159		33498	23655
4.194		981377	679880
4.213		267984	151150
4.239		265909	214503
4.306		274755	228266
4.347		1440881	1528462
4.381		526708	427742
4.422		17187	11075
4.444		91052	68288
4.485		502455	439843
4.535		929494	793233
4.566		202278	134836
4.596		1973713	1659826
4.644		91796	60958
4.659		23444	9209

RT A	Compound A	Height A	Area A
4.679		224848	170470
4.72		621815	599806
4.767		98144	86088
4.807		1076727	1134614
4.865		130195	140561
4.918		695432	1110321
4.967		15437	10954
5.004		759595	825325
5.051		94207	72505
5.075		86343	124125
5.123		1342023	1391264
5.16		30157	22605
5.188		39278	29942
5.232		47998	55759
5.33		328665	290790
5.351		64090	44117
5.408		48919	42128
5.447		43535	40029
5.487		6712	5535
5.53		168581	167788
5.554		13534	8282
5.59		165512	176136
5.795		146650	142371
5.825		15684	13942
5.986		11534	12508
6.047		13260	29231
6.223		9827	14142
6.306		1289	1288
6.425		20294	22745
6.572	DCB	2317898	2612062
7.018		1704	2246
7.375		869	517
7.499		994	1708
7.949		872	1198
8.51		7457	19764

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:01:58 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.022.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.078		18602	22177
2.131		12910	52447
2.162		5935	7755
2.201		1790	1888
2.227		4290	5134
2.284		5829	5913
2.332		27258	256480
2.454		13966	32017
2.471		61748	49853
2.534	TCX	12284800	8031867
2.709		55719	78423
2.752		246789	215196
2.821		76336	53837
2.868		46604	29827
2.931		9939	11566
3		17869	19917
3.028		92639	51510
3.079		10839	6373
3.1		49540	34711
3.149		130245	94582
3.186		95331	60629
3.211		38465	21395
3.232		26701	13784
3.248		28269	40316
3.296		185302	195434
3.325		45412	19958
3.34		177663	142030
3.412		123698	85197
3.447		2709457	1718646
3.47		872600	508613
3.488		85445	36844
3.572		1799894	1167188
3.595		141368	71590
3.616		215365	147055
3.644		115369	57568
3.66		676587	422131
3.699		207289	144028
3.737		147254	116223
3.767		454462	251509
3.788		5257015	3603225
3.813		426426	226254
3.831		664076	375295
3.852		1104943	700724
3.886		4898700	3452579
3.916		1619870	940208
3.931		1134766	594650
3.991		434138	297100
4.024		1710469	1329070
4.08		3903770	2984467
4.113		1036742	817939
4.139		6383685	4991268
4.176		500166	476379
4.228		3307024	2806911
4.265		303278	228038

RT B	Compound B	Height B	Area B
4.296		1920299	1393330
4.319		474995	334793
4.344		23544	8848
4.362		2279324	2036830
4.455		2142418	2545868
4.509		1691372	1585969
4.547		642013	567344
4.586		3658610	4095262
4.63		225699	142032
4.653		124526	80304
4.709		25389	25696
4.752		17778	9726
4.771		81484	61876
4.802		208541	135134
4.824		1204634	1130559
4.874		150912	121078
4.908		139506	117079
4.941		74048	57155
4.973		160322	129933
4.995		415411	433663
5.18		6763	5278
5.211		23727	21022
5.253		540900	914754
5.411		52890	57385
5.48		47506	69119
5.529		20187	22532
5.641		30290	55604
5.839		78624	106281
5.996	DCB	8308065	10572340
6.459		7703	15590
7.439		3303	6807
7.563		2678	1860
7.624		3866	5837
7.787		2294	2485
8.007		20646	36445
8.18		2142	1225
8.224		2275	2125
8.368		1631	1534

AR5441724C AAAR544AA ICAL 1727499999 10736 SW-846 8082

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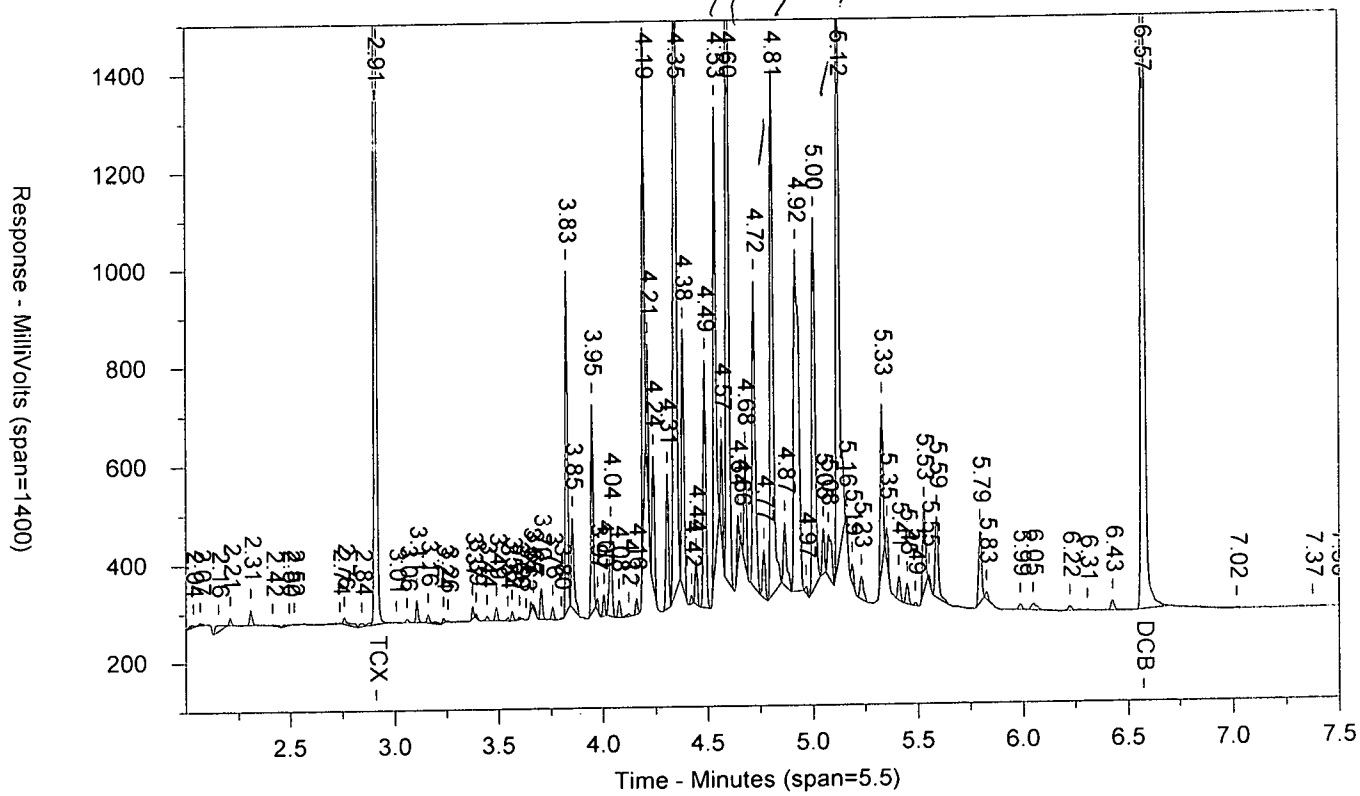

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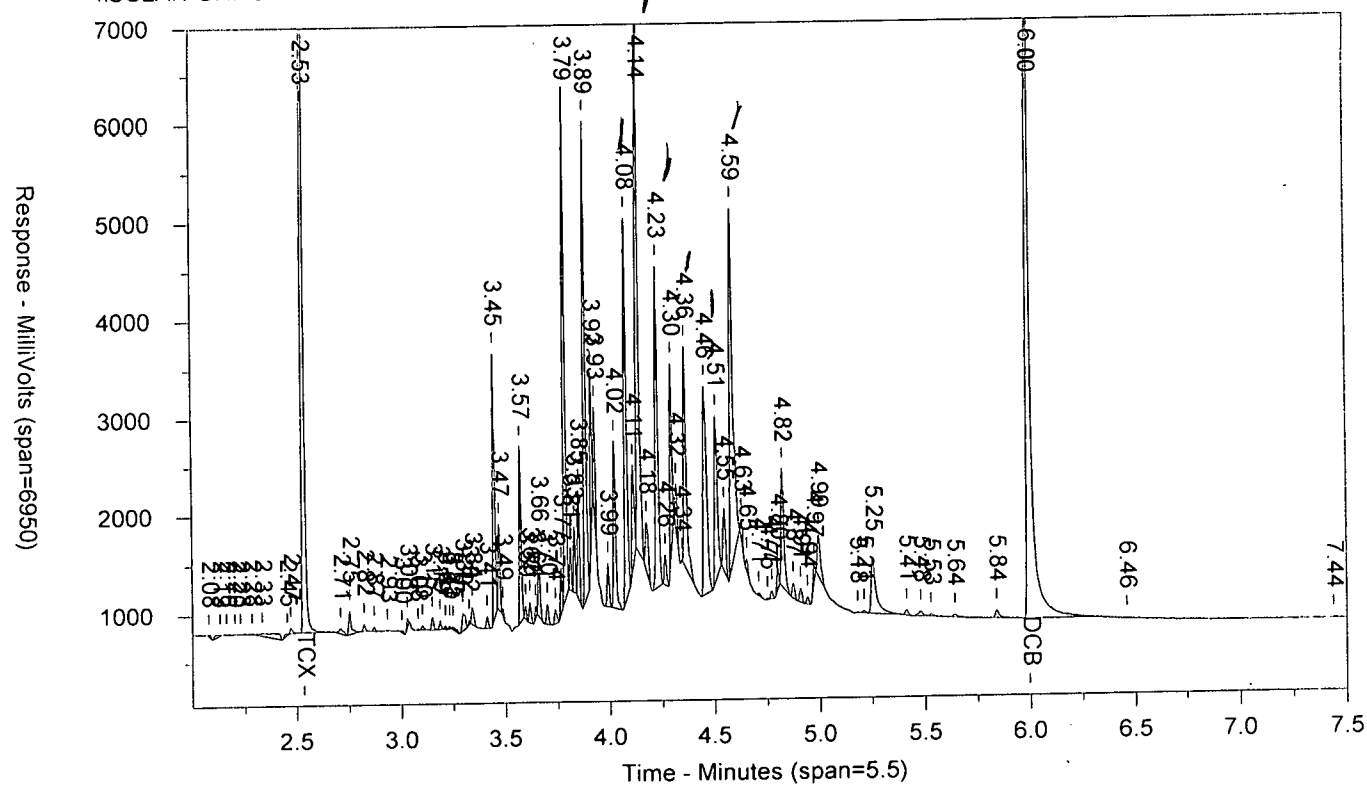

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:01:58 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	3737520	19.585	TCX	2.534	12284800	18.265	TCX
6.572	2317898	18.089	DCB	5.996	8308065	17.654	DCB

Files:
Area File: 20PCBs17275001.022.RAW
Area File: 20PCBs17275001B.022.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 12:10:42 AM
File Reported On: 10/3/2017 at 12:10:59 AM

AR5441724C AAAR544AA ICAL 1727499999 10736 SW-846 8082

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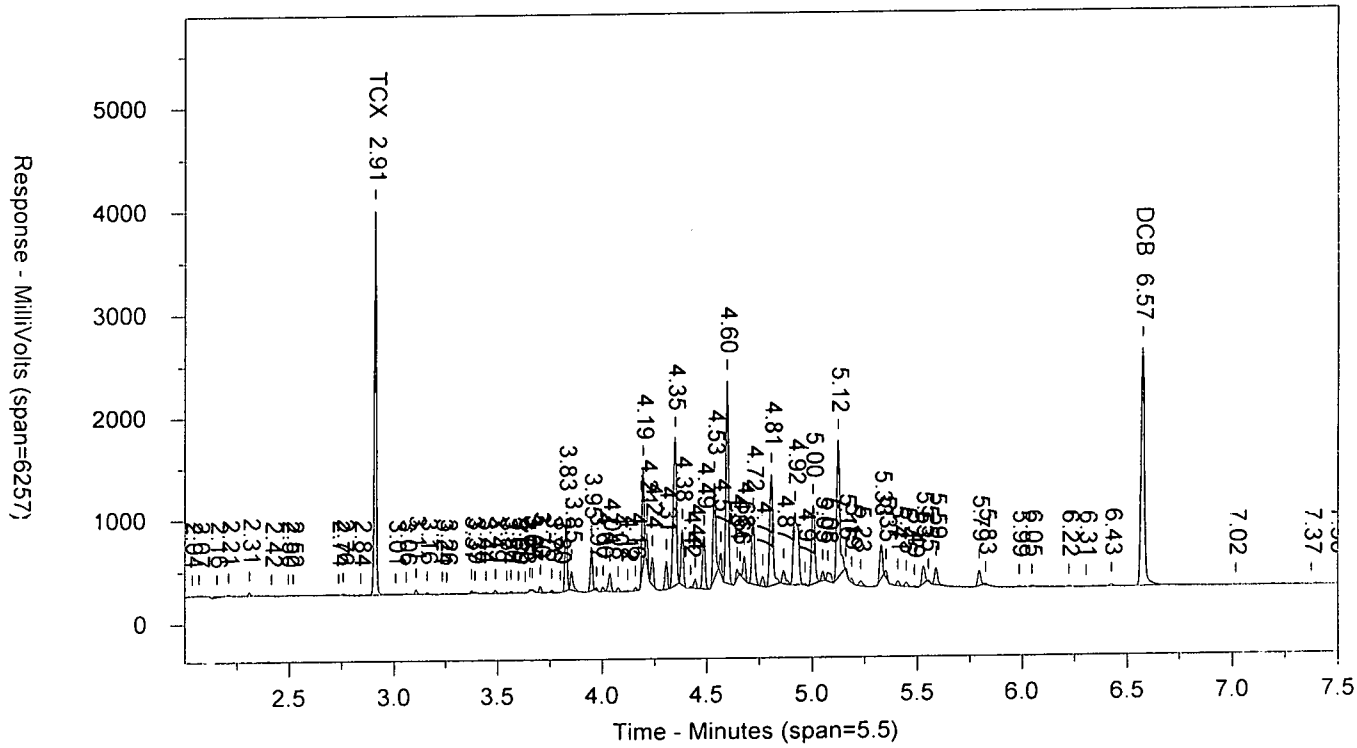

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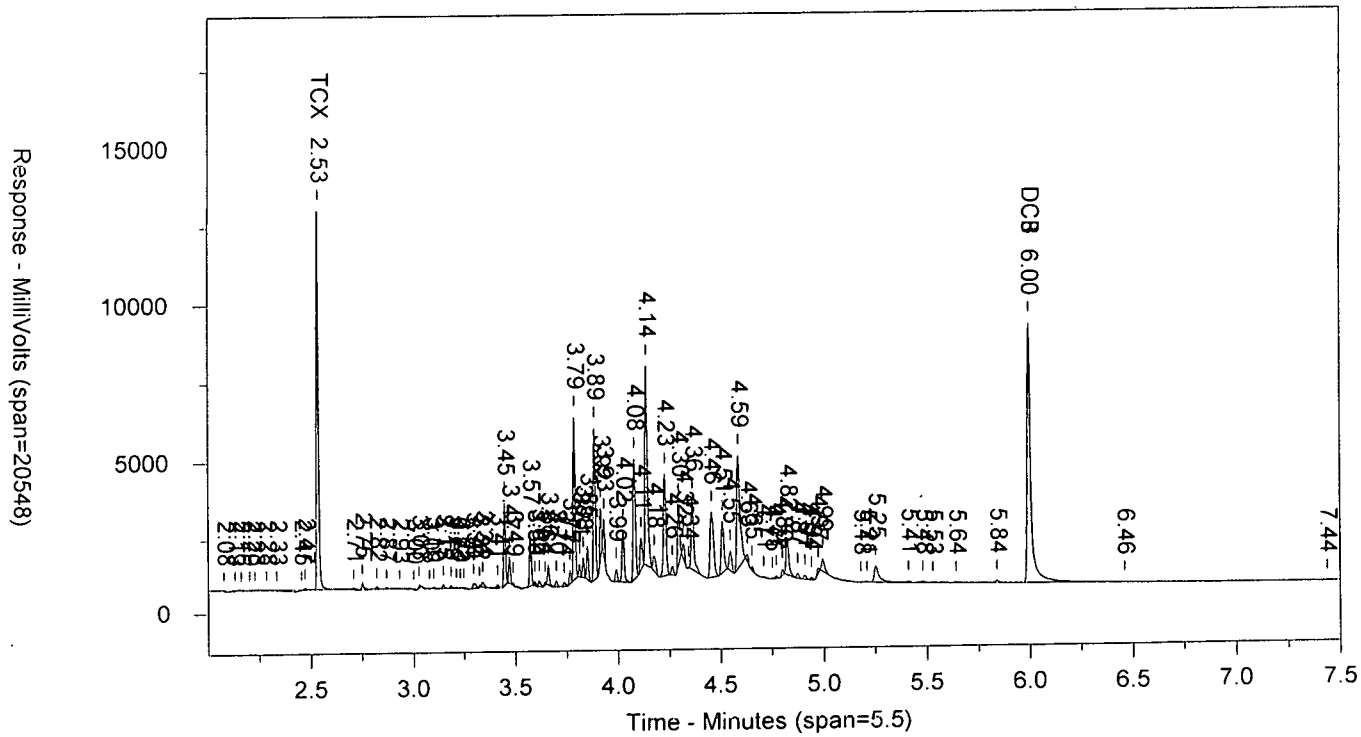

AR5441724C AAAR544AA ICAL 1727499999 10736 SW-846 8082

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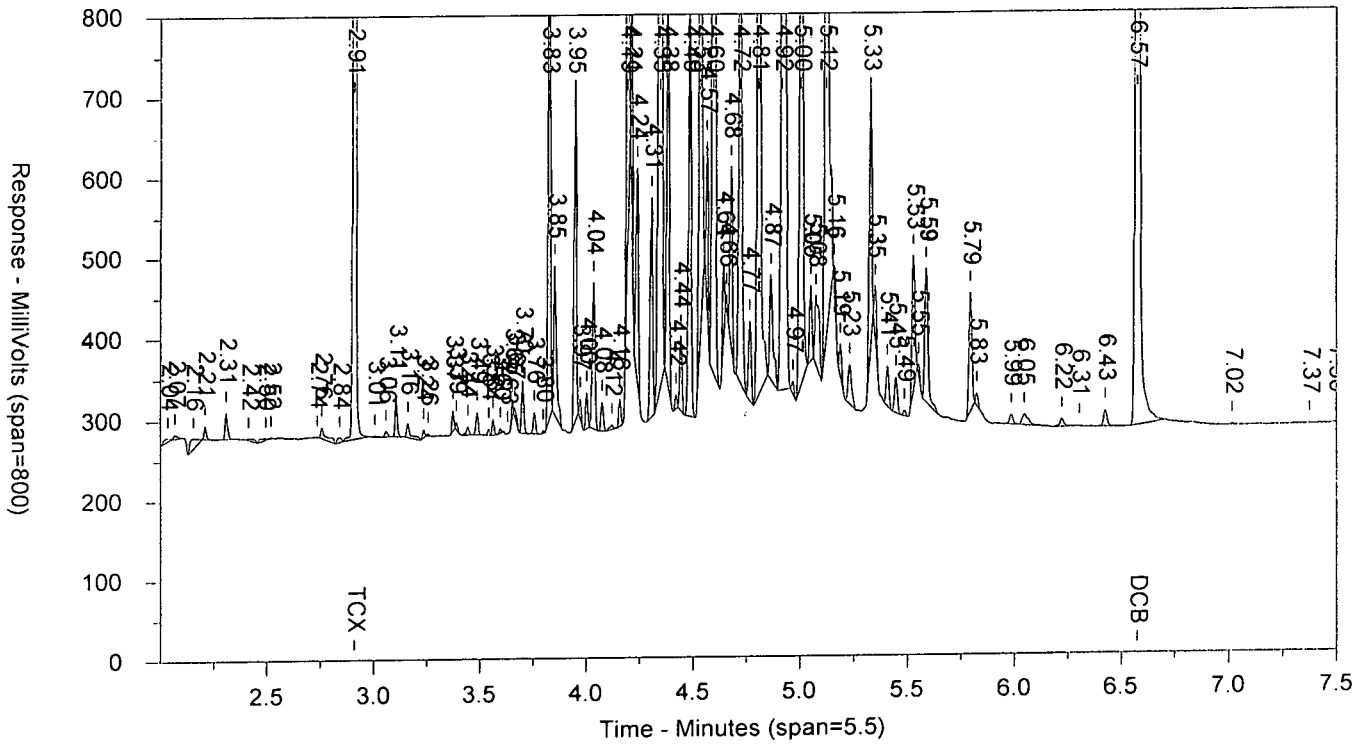

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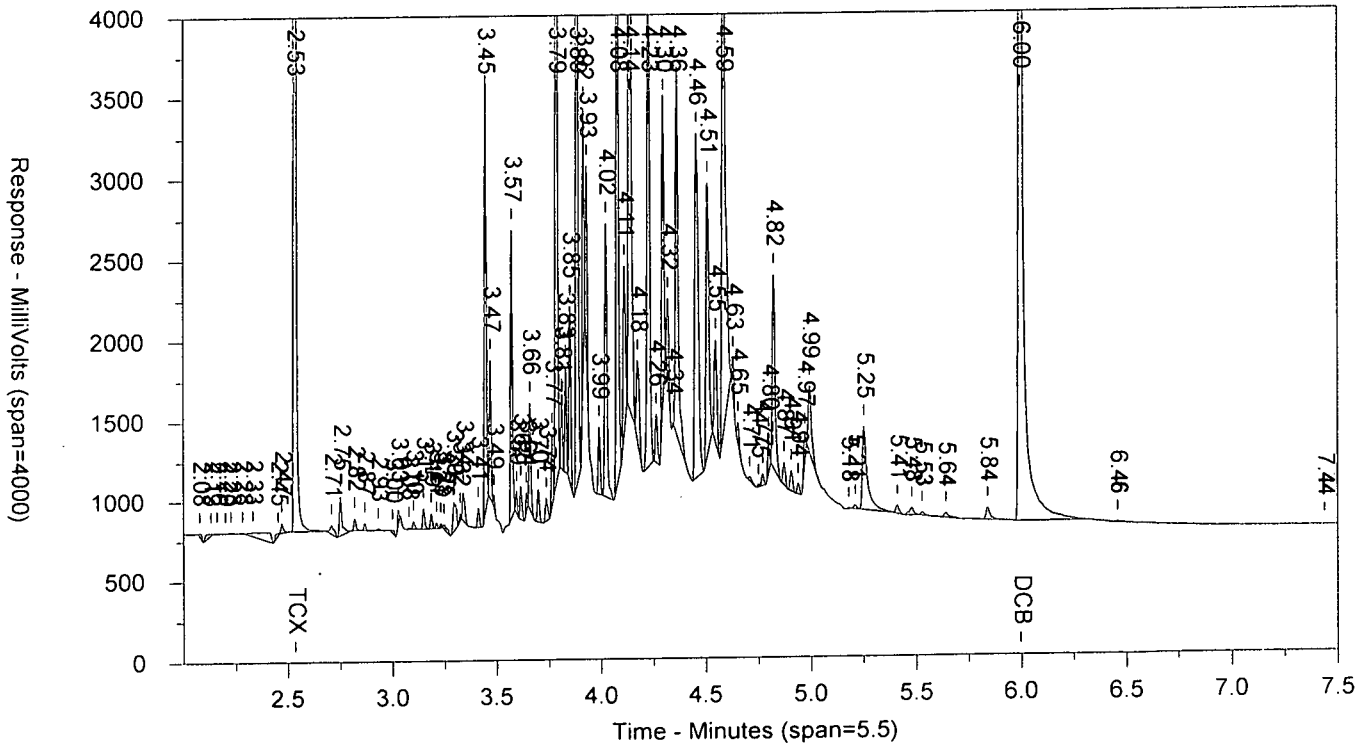

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:13:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.023.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.034		2106	5442
2.071		6516	14832
2.16		683	1310
2.21		31446	24012
2.31		34952	33904
2.497		1551	5769
2.518		1642	1268
2.568		1491	1570
2.758		20242	47051
2.846		8117	14684
2.91	TCX	7695508	5056450
3.008		1698	1280
3.059		10723	9471
3.106		88068	62273
3.161		29567	21059
3.236		16621	10539
3.256		3094	1948
3.376		44680	27234
3.393		15725	9030
3.429		2463	1153
3.445		13942	9479
3.49		49169	37624
3.545		13805	8352
3.566		27682	17984
3.599		9846	5726
3.656		35804	19473
3.668		17187	17402
3.705		95490	74433
3.76		49479	37565
3.801		6900	4391
3.829		1404038	1003236
3.855		344796	304057
3.95		854626	619466
3.974		46195	27107
4.005		78248	55832
4.038		342306	296336
4.078		66044	54366
4.112		4396	2548
4.123		3981	1800
4.162		62736	47848
4.197		1970566	1368060
4.215		585491	317465
4.24		540053	424241
4.307		557890	448360
4.349		2982623	3121039
4.383		1091775	865611
4.423		34202	21547
4.445		168364	134688
4.487		974394	878563
4.537		1992173	1644303
4.567		448137	291323
4.597		4156864	3470977
4.646		179823	123687
4.661		43149	17870

RT A	Compound A	Height A	Area A
4.681		462659	347519
4.722		1245480	1216657
4.768		210202	183135
4.809		2280768	2217711
4.838		24756	15312
4.867		266286	293159
4.919		775222	566320
4.933		257927	159669
4.968		26436	19735
5.006		1718994	1799701
5.052		188486	144152
5.077		70581	45903
5.088		48803	34319
5.124		2834152	2407794
5.146		117738	54503
5.164		74243	43537
5.19		74791	56428
5.233		98333	110481
5.33		741305	621791
5.354		147079	100025
5.41		93455	84495
5.449		82527	80342
5.489		14054	12193
5.531		374004	358928
5.555		33732	22663
5.591		338939	356713
5.797		284808	287324
5.826		32996	28795
5.987		22344	24555
6.048		24409	47907
6.224		17732	19064
6.426		41152	46001
6.573	DCB	4882746	5151473
7.02		3139	4611
7.879		1345	2173
8.175		822	1052
8.24		1104	2717
8.515		7554	17793

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:13:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.023.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.081		35424	41265
2.11		16687	15765
2.126		3492	1994
2.155		5030	6214
2.224		4071	3433
2.277		5101	5595
2.334		6929	9233
2.387		4356	5530
2.471		122899	228922
2.534	TCX	25024600	15858720
2.709		66583	82270
2.752		433511	332166
2.82		130408	92610
2.868		91175	56506
2.932		19001	16267
3.028		152124	83756
3.037		28258	9401
3.079		18959	10894
3.1		70659	48586
3.123		5057	2354
3.149		217985	160019
3.186		127526	81454
3.211		80351	40841
3.232		49139	25011
3.248		34777	36353
3.297		324709	336869
3.326		97242	45424
3.34		266996	200115
3.413		223555	152120
3.448		4930991	3168180
3.471		1528428	892115
3.489		149865	67041
3.573		3332677	2156963
3.596		255019	128539
3.617		366990	259310
3.646		150057	73533
3.662		1297136	816074
3.701		367530	256548
3.739		271953	213599
3.768		855898	474736
3.789		10543060	7017670
3.814		820506	427604
3.833		1233601	689118
3.853		2085932	1312522
3.888		9719230	6775985
3.918		3239714	1832115
3.933		2251791	1136965
3.993		806160	575567
4.026		3457520	2642201
4.081		7913474	5922239
4.114		2149196	1600042
4.14		13403540	10289290
4.178		971625	906915
4.23		6669001	5548202

RT B	Compound B	Height B	Area B
4.266		683487	509548
4.297		4631100	3316638
4.32		1027541	702012
4.364		4727948	4457697
4.457		4282453	5140743
4.51		3803004	3541761
4.548		1341989	1169655
4.587		7978831	8608519
4.631		528540	337594
4.655		276224	180101
4.712		66610	64623
4.753		38494	20363
4.773		197181	159577
4.803		404211	262359
4.825		2435580	2267797
4.875		328532	257642
4.909		293982	242860
4.941		153987	123758
4.974		475430	369627
4.995		865353	866540
5.211		44928	40881
5.254		1059078	1742075
5.411		88707	90608
5.462		10743	7652
5.48		56354	49126
5.529		43823	51432
5.641		60791	95649
5.84		157875	201797
5.997	DCB	15919690	20003410
6.336		4454	3472
6.457		12181	31876
7.067		2060	2490
7.443		1856	1097
7.684		2594	3570
8.008		20810	35729
8.488		2215	2450

AR5451724C AAAR545AA ICAL 1727499999 10736 SW-846 8082

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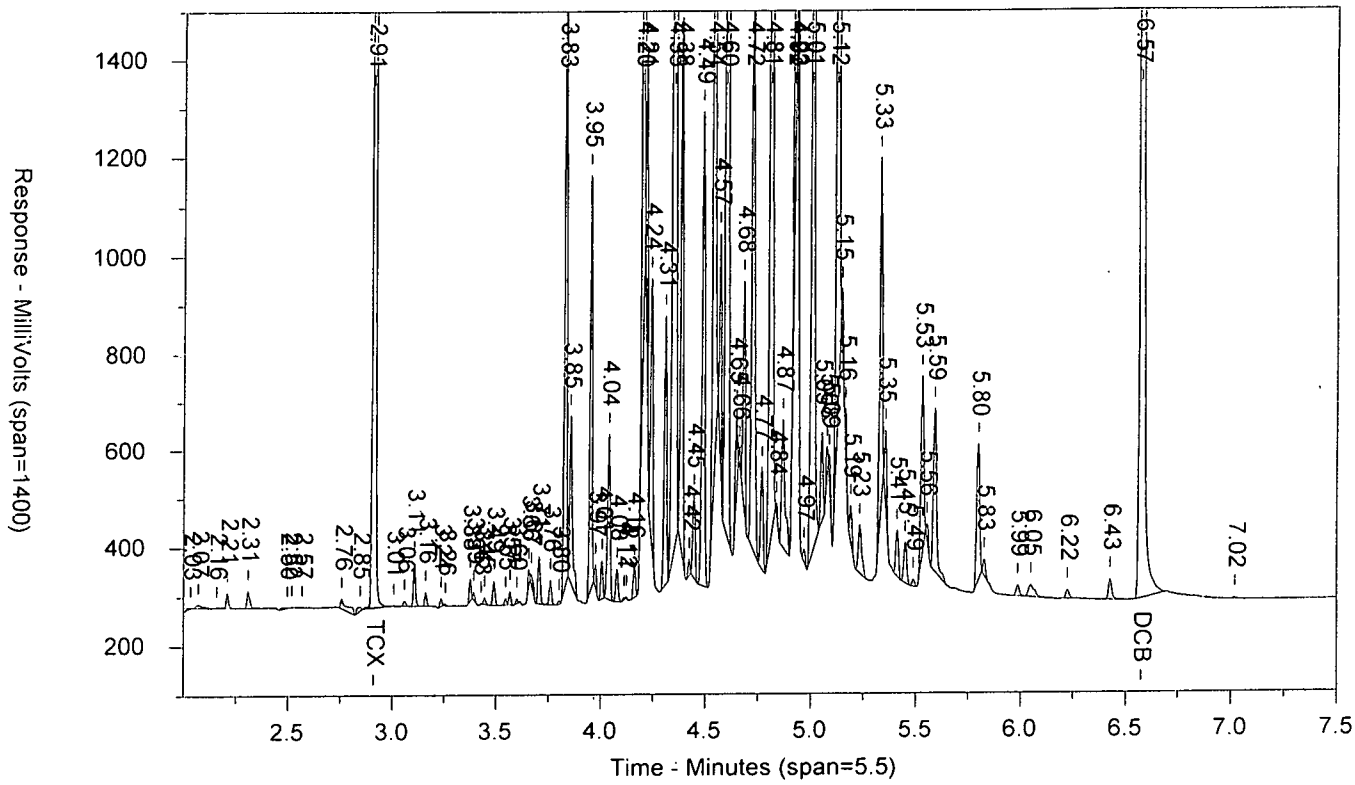

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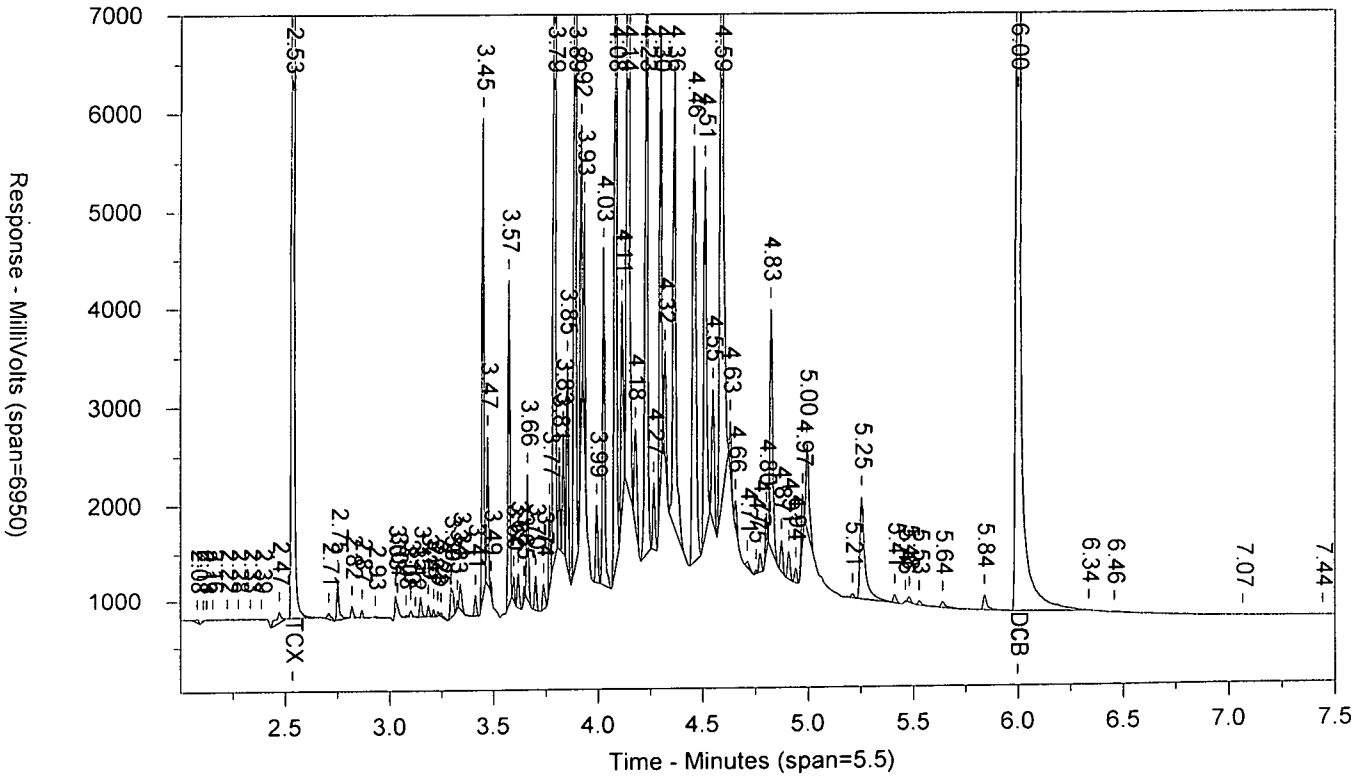

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:13:27 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	7695508	40.325	TCX	2.534	25024600	37.206	TCX
6.573	4882746	38.105	DCB	5.997	15919690	33.829	DCB

Files:
Area File: 20PCBs17275001.023.RAW
Area File: 20PCBs17275001B.023.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 12:22:11 AM
File Reported On: 10/3/2017 at 12:22:19 AM

AR5451724C AAAR545AA ICAL 1727499999 10736 SW-846 8082

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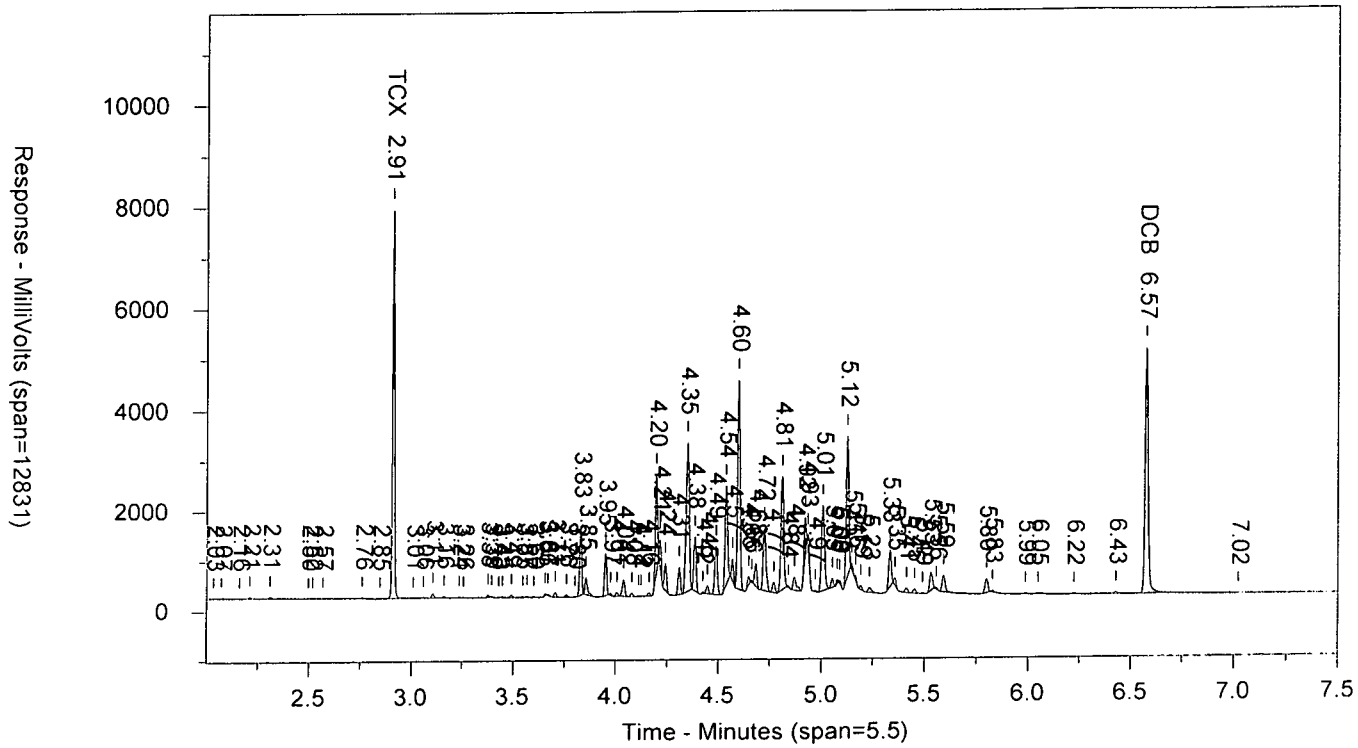

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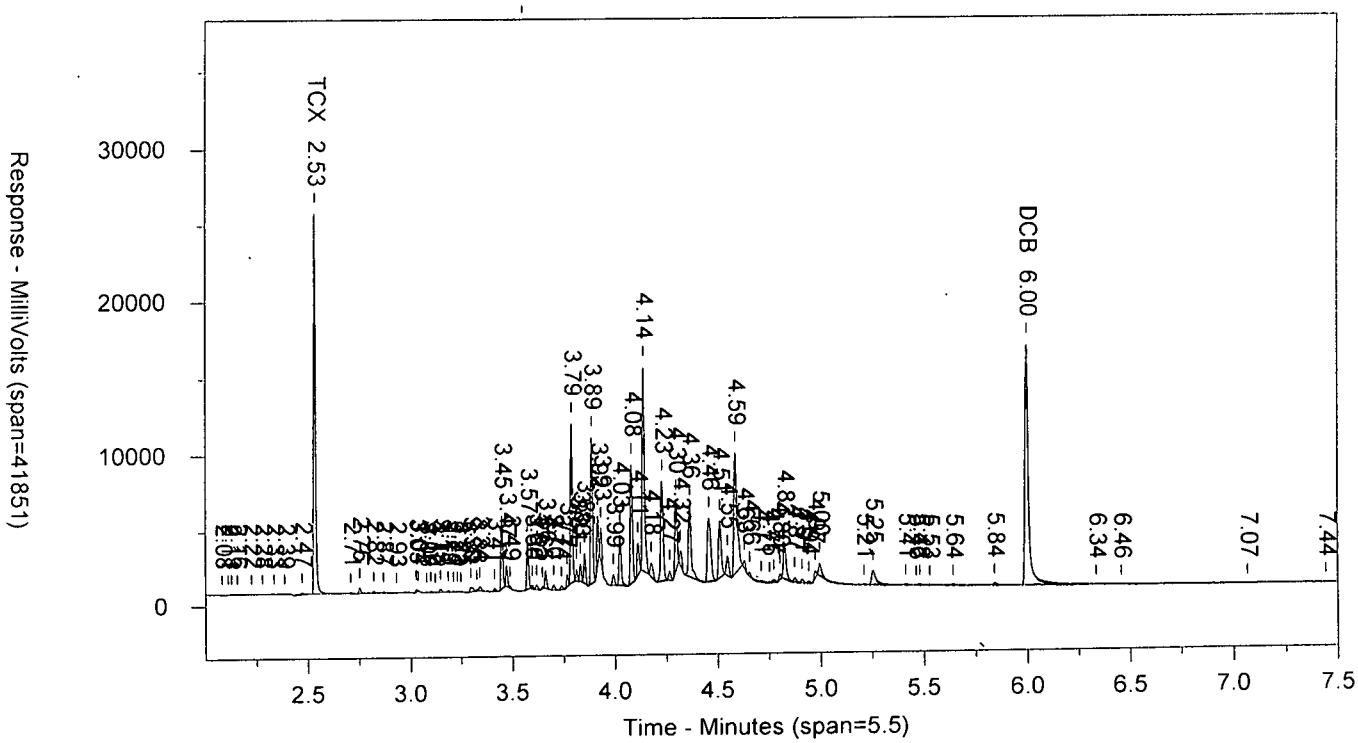

AR5451724C AAAR545AA ICAL 1727499999 10736 SW-846 8082

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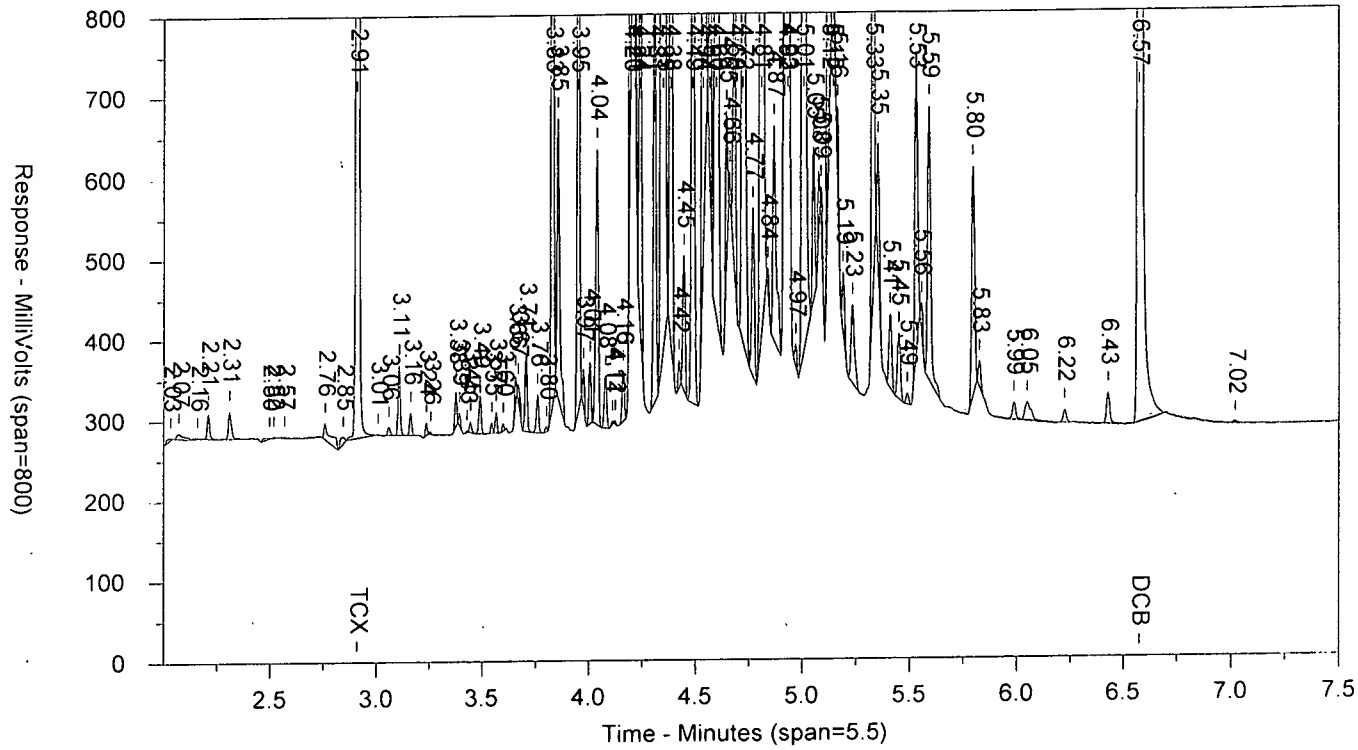

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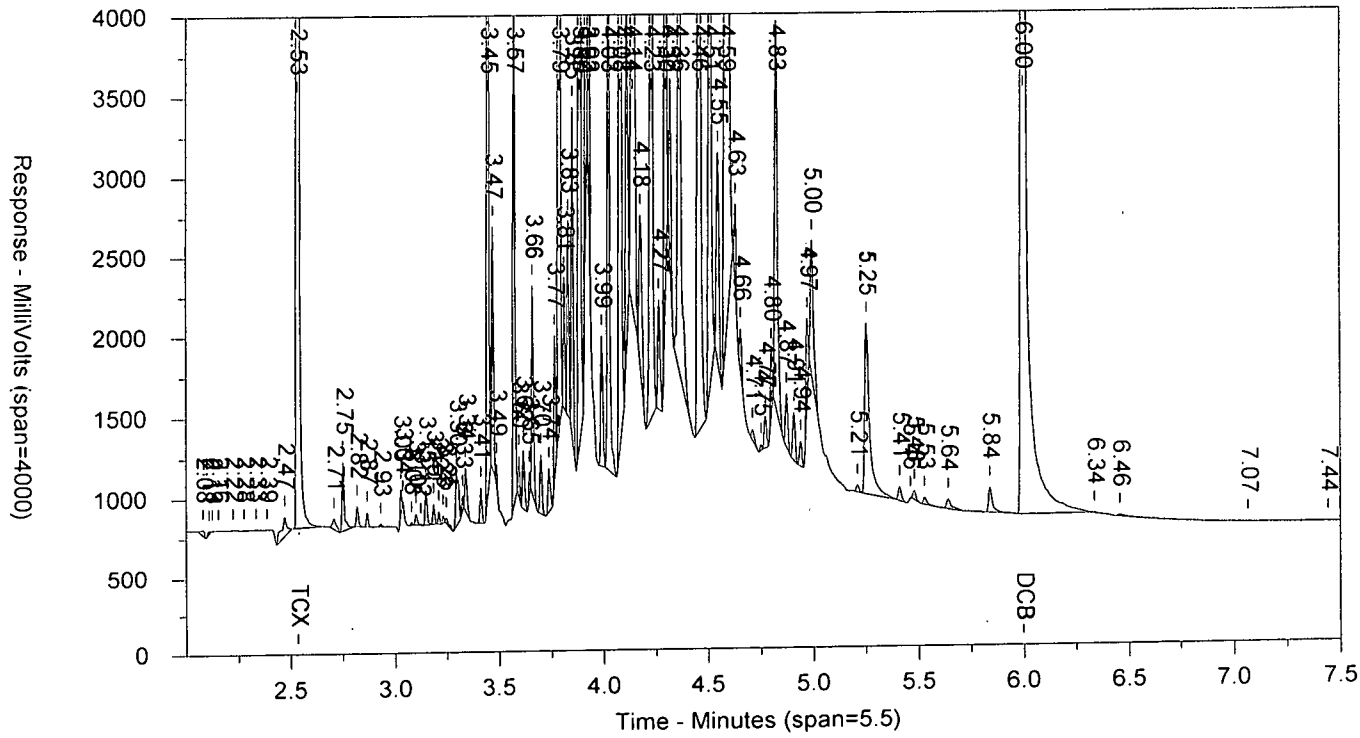

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:24:56 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.024.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.032		2264	4868
2.071		5507	9107
2.157		2087	4859
2.21		60212	45247
2.311		28916	34614
2.411		2009	4033
2.491		1374	3340
2.52		1641	1261
2.554		1605	2176
2.688		976	2061
2.758		18522	30207
2.847		4193	7492
2.91	TCX	15205230	10061580
3.008		3628	2795
3.059		20448	18387
3.107		166330	117516
3.161		55165	39563
3.236		28952	17931
3.256		5953	3753
3.376		85918	50707
3.393		28734	15952
3.429		4435	2388
3.445		26067	17844
3.49		92321	68186
3.545		26605	15957
3.565		54403	33906
3.599		18725	10829
3.614		7670	3384
3.656		61755	35624
3.668		35842	32694
3.705		179812	140155
3.76		89876	68769
3.801		13014	8057
3.829		2670183	1919734
3.855		650035	573386
3.95		1639263	1189641
3.975		89697	52527
4.005		148412	105172
4.038		658710	564474
4.078		123473	101874
4.112		7633	4676
4.124		9484	5114
4.162		121287	92010
4.197		4105814	2719696
4.215		1262616	657089
4.24		1056341	834373
4.307		1053397	859103
4.349		6032508	6141698
4.384		2080946	1688437
4.424		68026	42619
4.446		339783	258645
4.487		2012014	1699519
4.536		4050246	3412359
4.568		869218	590620

RT A	Compound A	Height A	Area A
4.598		8277765	6953497
4.646		336491	227820
4.66		105827	41698
4.68		910975	692580
4.722		2355698	2372215
4.768		425104	369109
4.808		5002739	4549126
4.837		60563	36718
4.867		498421	571091
4.919		2995596	4462133
4.968		58924	43438
5.005		3647372	3737170
5.052		382439	298594
5.077		153966	104647
5.089		91192	54878
5.124		5703361	4815885
5.146		274406	139583
5.163		168418	90851
5.19		147458	115810
5.233		193579	216467
5.331		1504167	1264460
5.354		307208	203302
5.41		176152	164970
5.45		163569	154951
5.49		24336	21854
5.531		784811	731730
5.555		54607	41738
5.591		690908	705396
5.796		590282	554706
5.827		67740	59505
5.988		38399	39201
6.049		42106	84230
6.225		34044	35987
6.271		2318	1762
6.427		73108	85128
6.575	DCB	9689879	10103190
6.736		3566	2458
6.762		2565	2628
7.019		6258	8744
7.146		1195	2362
8.256		911	1725
8.518		6691	15893

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:24:56 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.024.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.08		24991	35124
2.109		12401	11798
2.129		2367	1291
2.164		4695	6632
2.225		8292	9753
2.283		3905	3063
2.331		6659	7928
2.452		15311	26267
2.471		81470	69697
2.535	TCX	49916360	31321420
2.708		105157	105114
2.752		744486	529185
2.82		242123	169860
2.868		173448	104597
2.931		36111	31796
3.027		440320	475750
3.078		34605	20059
3.1		134494	85185
3.123		10711	4763
3.149		393955	290337
3.186		239888	154585
3.211		158590	87023
3.232		89301	45951
3.247		48977	24359
3.296		258266	124370
3.305		157165	58967
3.325		165678	76355
3.34		476814	365398
3.413		409939	280809
3.448		9370090	5793172
3.471		2801170	1618933
3.489		285057	125631
3.549		4825	4760
3.573		6036731	3921435
3.596		465227	236126
3.617		668409	474218
3.646		294027	137622
3.662		2356323	1479420
3.701		681654	470125
3.739		499144	392551
3.768		1620920	920458
3.789		21817010	14127580
3.814		1642597	868576
3.833		2227289	1256798
3.853		3902433	2450519
3.887		19925580	13344180
3.918		6659157	3699901
3.933		4306525	2113536
3.993		1545055	1071380
4.026		6831392	5264538
4.081		16499290	11905880
4.114		4253205	3196164
4.14		28693070	21306810
4.178		1888750	1794426

RT B	Compound B	Height B	Area B
4.229		13542510	10899260
4.266		1370883	1046277
4.297		11256420	7974818
4.321		1842596	1237635
4.346		87267	34454
4.364		9735958	8054797
4.457		8825309	9931190
4.51		8786006	7572773
4.549		2643294	2227749
4.587		17798840	18078390
4.632		1178752	767712
4.656		535661	374672
4.713		157814	157049
4.753		67405	37254
4.772		468169	358509
4.802		802620	514791
4.825		4939667	4410753
4.875		648986	543309
4.91		604463	491054
4.942		308105	248147
4.974		1173556	887417
4.996		1703113	1595714
5.063		44865	34738
5.212		91354	77308
5.254		2030184	3206451
5.411		150797	149134
5.463		16070	13069
5.48		93661	76345
5.53		79817	91149
5.64		116258	168522
5.841		289456	381286
5.997	DCB	33765530	38465760
6.317		8331	13831
6.456		17495	32808
7.283		2284	3094
7.389		2790	2970
7.726		2440	3832
8.012		20173	37004
8.107		1567	1477
8.55		1872	2796
8.654		1977	2544

AR5461724B AAAR546AA ICAL 1727499999 10736 SW-846 8082

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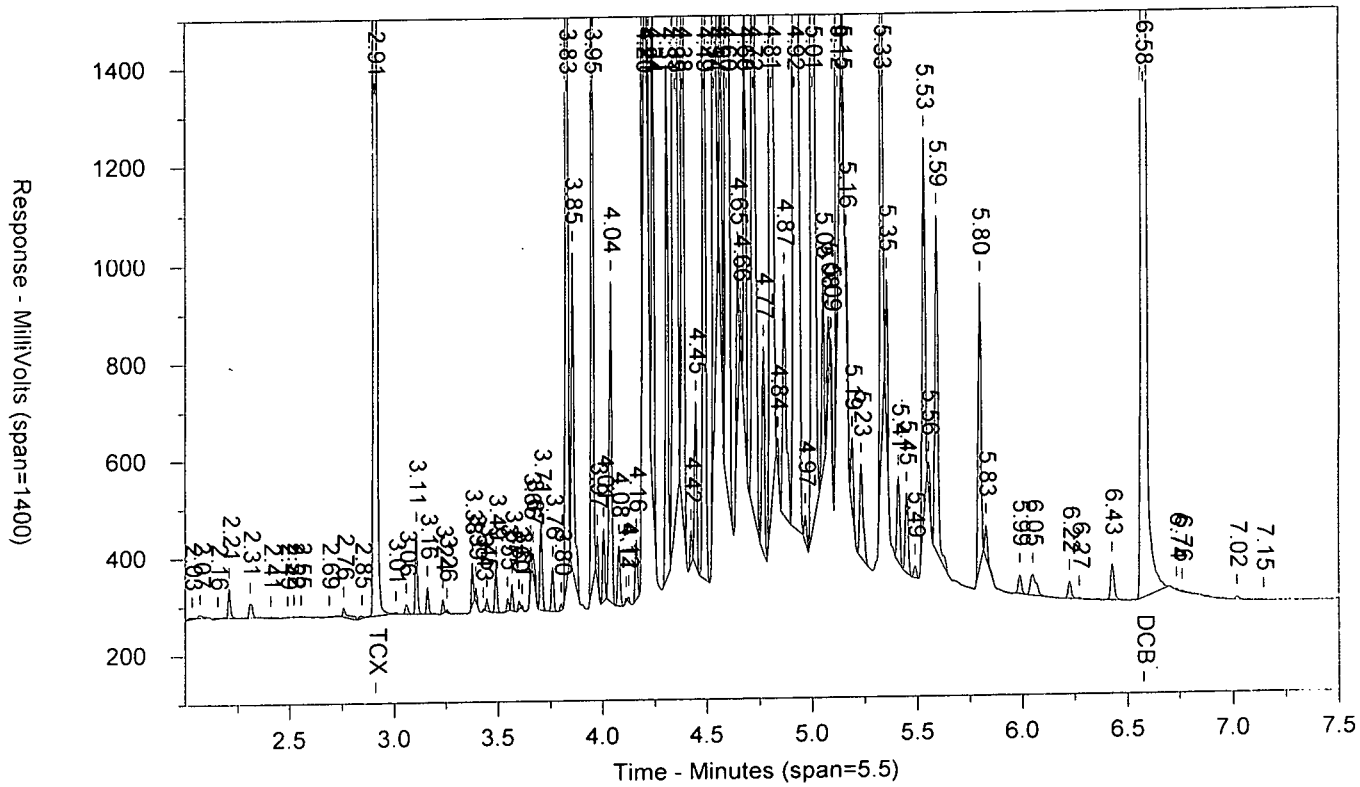

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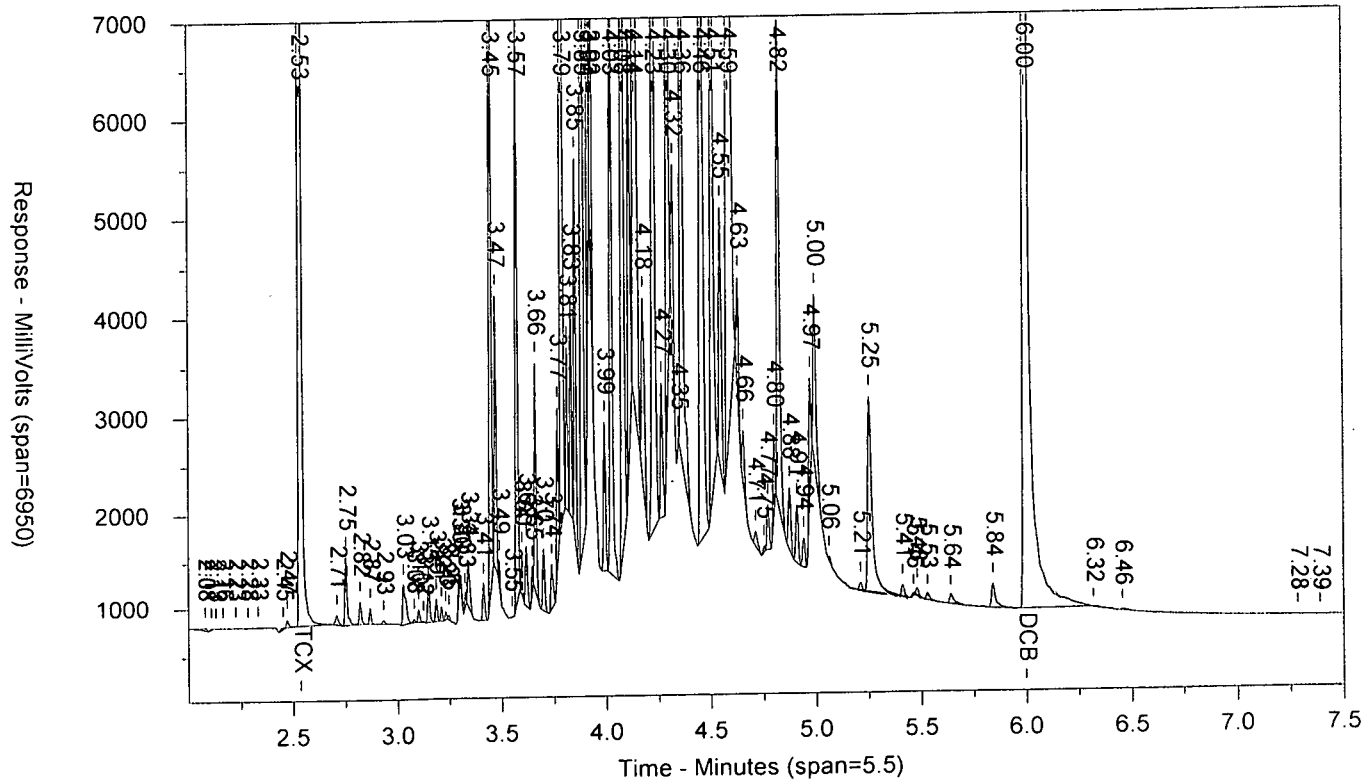

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:24:56 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	15205230	79.677	TCX	2.535	49916360	74.215	TCX
6.575	9689879	75.62	DCB	5.997	33765530	71.751	DCB

Files:
Area File: 20PCBs17275001.024.RAW
Area File: 20PCBs17275001B.024.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 12:33:40 AM
File Reported On: 10/3/2017 at 12:33:56 AM

AR5461724B AAAR546AA ICAL 1727499999 10736 SW-846 8082

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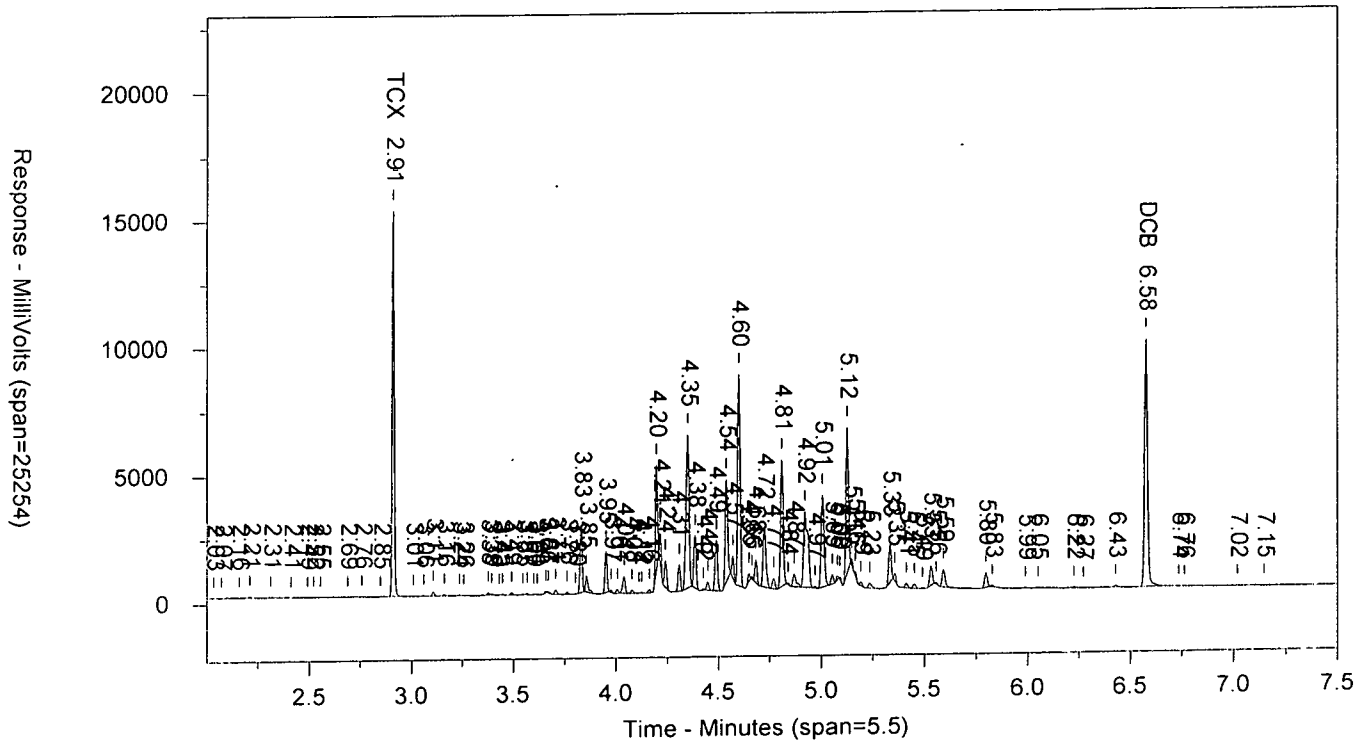

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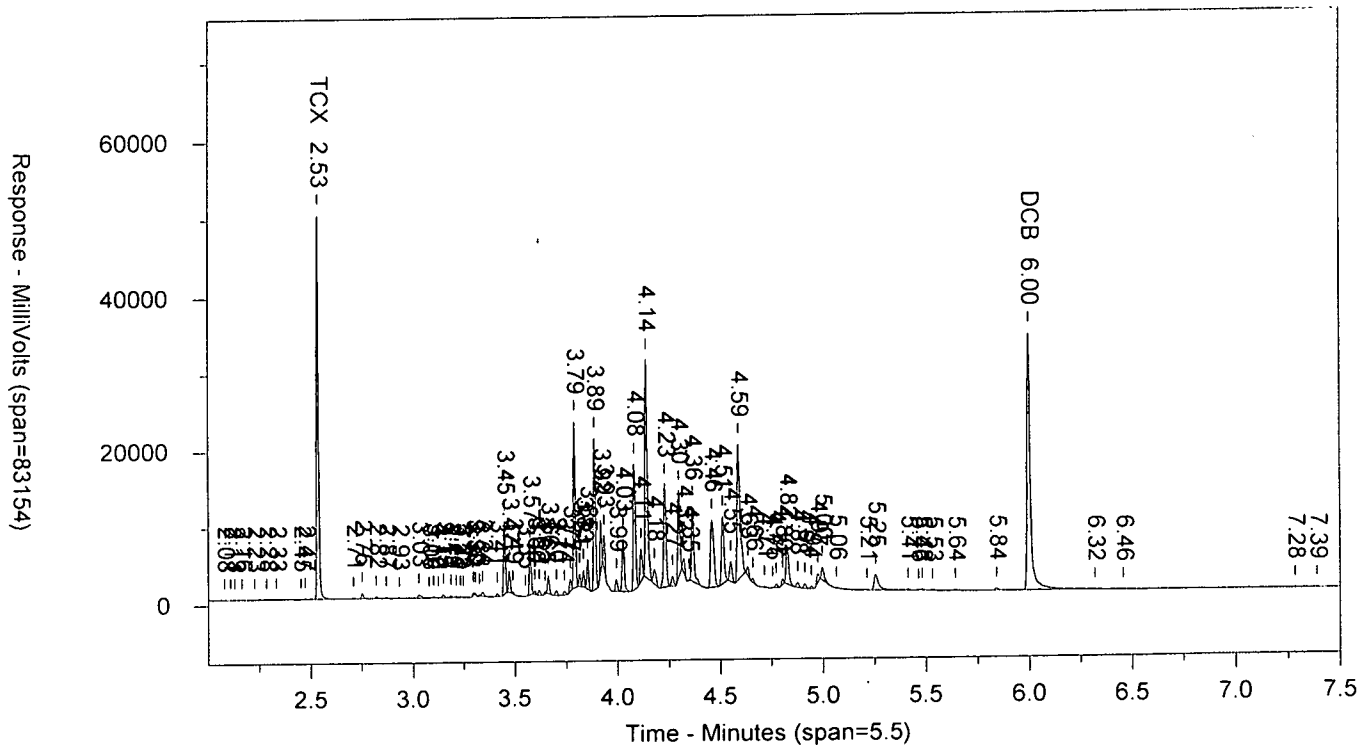

AR5461724B AAAR546AA ICAL 1727499999 10736 SW-846 8082

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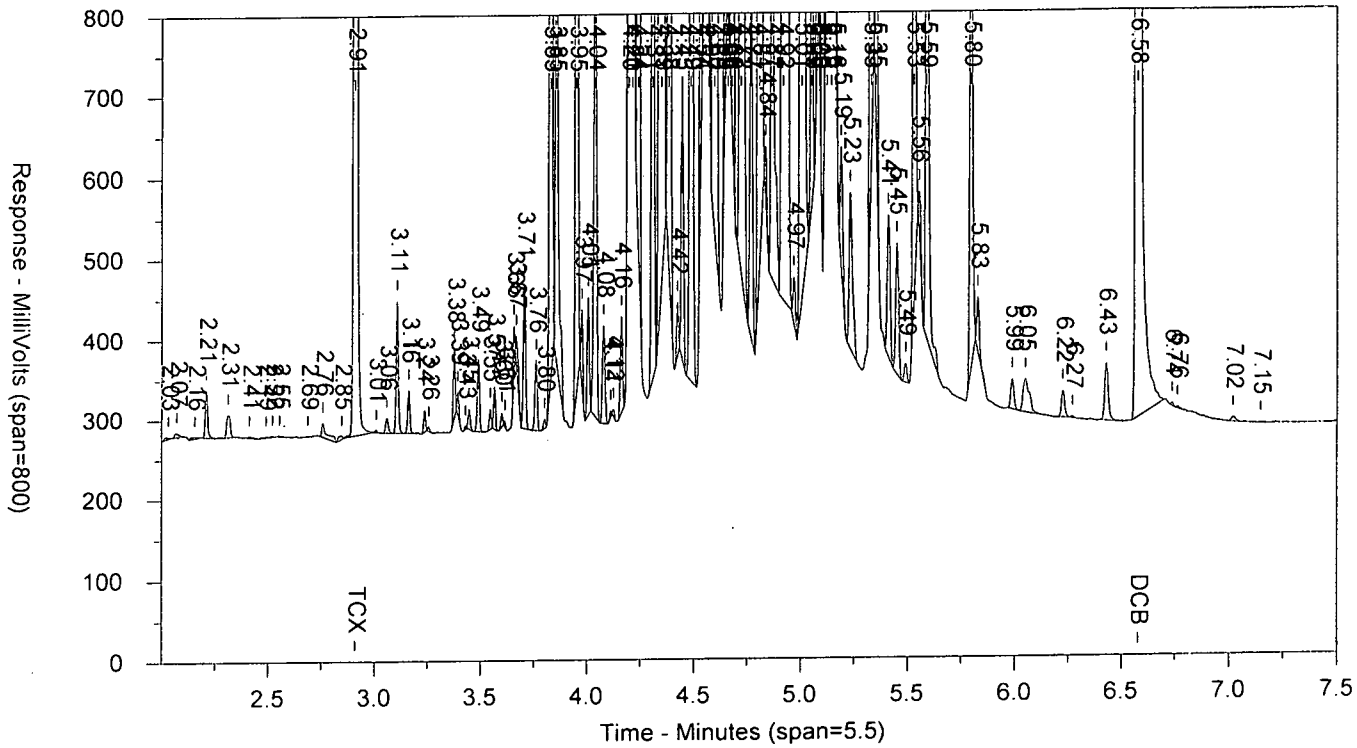

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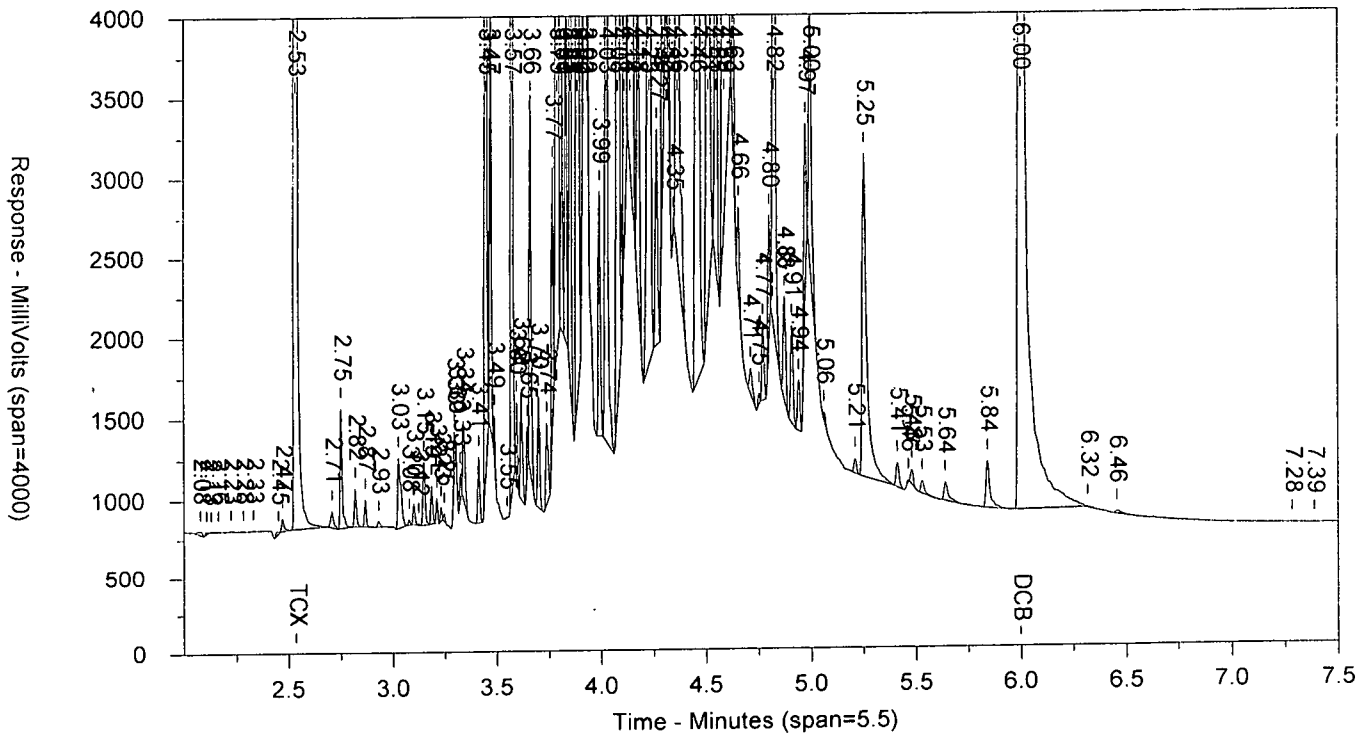

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:36:18 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.025.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.03		2981	5377
2.067		4843	7933
2.252		7557	6270
2.309		18468	12417
2.497		1282	4441
2.52		2113	1649
2.567		3252	2304
2.659		2158	1746
2.758		14762	43195
2.845		8566	14754
2.885		4474	4556
2.908	TCX	2353	1763
3.059		3008	3141
3.114		3242	2138
3.139		2680	1521
3.161		16091	11269
3.255		4547	9526
3.343		834	700
3.375		20522	12000
3.392		9248	4798
3.428		2275	1315
3.488		25552	20172
3.568		2285	2029
3.598		4779	2730
3.655		12141	6322
3.666		17245	8330
3.703		31606	25367
3.759		22830	16491
3.789		6110	5095
3.828		27269	19972
3.856		21643	25807
3.95		25661	20559
3.973		3968	2286
4.004		6314	4100
4.036		18633	19896
4.078		5578	4567
4.14		2789	2636
4.163		1915	1205
4.196		158071	144578
4.238		17130	14317
4.307		5412	3598
4.324		23693	13957
4.349		172570	145281
4.383		15801	10953
4.424		5089	3497
4.451		18667	15922
4.485		25249	22852
4.553		151014	170393
4.597		79839	71981
4.645		576487	582481
4.682		82530	57276
4.721		909914	869970
4.806		50814	54228
4.838		1980	1178

RT A	Compound A	Height A	Area A
4.867		109719	103741
4.918		1023643	1120521
4.968		498885	462297
5.009		388751	493705
5.052		28489	20276
5.089		40892	34091
5.123		954416	933116
5.167		5688	3065
5.19		1493298	1405533
5.233		602550	583771
5.326		225632	182379
5.353		1247730	1252785
5.41		517892	449276
5.447		181486	222566
5.495		43509	47851
5.535		187506	189958
5.59		2621245	3185485
5.796		1820132	1803093
5.852		889628	1293980
5.987		82750	84234
6.067		427115	523108
6.159		1850	1965
6.224		1006653	1063720
6.27		46965	39634
6.426		396818	436094
6.574	DCB	10969	11909
6.64		1249	2022
7.803		849	2009
8.516		6986	16718

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:36:18 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 , Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.025.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.081		18924	16986
2.131		11252	38536
2.154		4102	4125
2.192		2255	840
2.221		3481	4687
2.267		14532	14802
2.333		4575	2689
2.452		38927	53783
2.471		53879	35103
2.511	TCX	3163	1960
2.568		16374	16064
2.707		22865	33152
2.768		26999	44194
2.819		79155	48966
2.845		16492	9968
2.909		8700	5243
2.93		9903	8038
3.027		78336	40526
3.037		21529	9128
3.077		13874	7909
3.106		7803	7348
3.148		117159	80004
3.187		9122	5153
3.231		25670	13677
3.247		26937	35228
3.296		32867	21716
3.305		83994	36137
3.339		103737	95607
3.374		4084	3596
3.412		103133	76425
3.448		126533	73327
3.471		122922	78648
3.488		12581	4226
3.502		31442	22373
3.573		116961	76470
3.596		49723	26810
3.616		28359	16168
3.644		35397	18549
3.661		65054	36107
3.7		33047	23277
3.745		15157	14659
3.767		37463	19639
3.788		731457	508154
3.813		48140	25851
3.832		16359	8604
3.853		88893	57323
3.886		748496	548915
3.918		77210	42892
3.932		10903	3805
3.945		149427	92021
3.981		84972	76232
4.022		72898	74172
4.054		9039	9781
4.08		161514	120607

RT B	Compound B	Height B	Area B
4.121		631874	418681
4.153		2166828	1610942
4.178		523703	541408
4.228		3582933	3111299
4.296		28517	14122
4.322		483180	408587
4.363		3521906	3469354
4.461		3486760	3534101
4.513		679838	556919
4.552		1190200	986668
4.586		1808312	1595777
4.618		4884278	4026651
4.656		2358519	1999301
4.752		1173952	1046522
4.801		5152737	5026655
4.873		1987777	2050992
4.908		629432	492554
4.94		528266	432757
4.995		7818488	9043331
5.065		690032	586922
5.187		126776	84746
5.209		3703386	3513957
5.257		5731217	7453328
5.411		349468	347473
5.479		248196	270729
5.529		1501430	1750989
5.639		3225079	4755594
5.84		1481859	1903073
5.998	DCB	50462	55539
7.05		2613	1159
7.388		2473	3081
7.621		3315	5323
7.73		2667	4083
8.005		19762	36033
8.307		1804	1802

AR6231724A AAAR623AA ICAL 1727499999 10736 SW-846 8082

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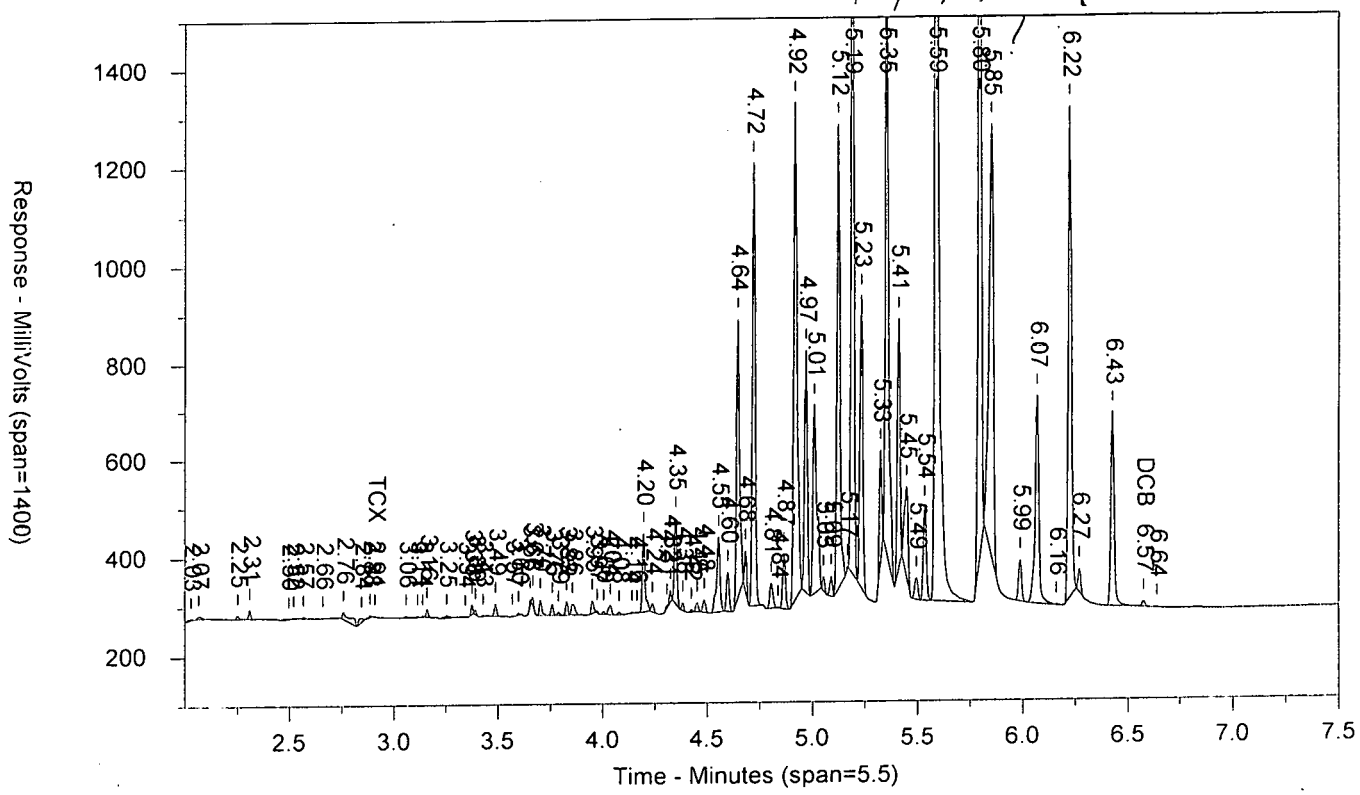

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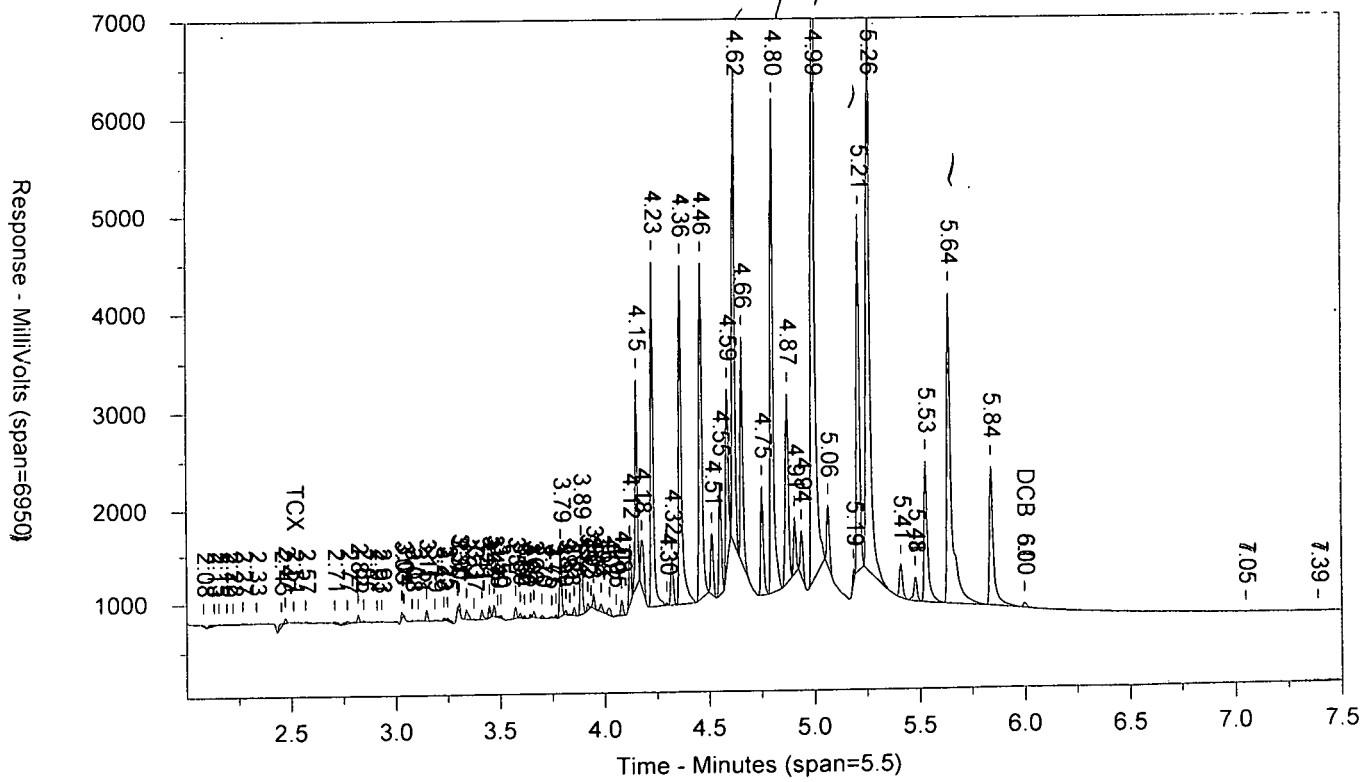

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:36:18 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.908	2353	.012	TCX	2.511	3163	.005	TCX
6.574	10969	.086	DCB	5.998	50462	.107	DCB

Files:
Area File: 20PCBs17275001.025.RAW
Area File: 20PCBs17275001B.025.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 12:44:59 AM
File Reported On: 10/3/2017 at 12:45:08 AM

AR6231724A AAAR623AA ICAL 1727499999 10736 SW-846 8082

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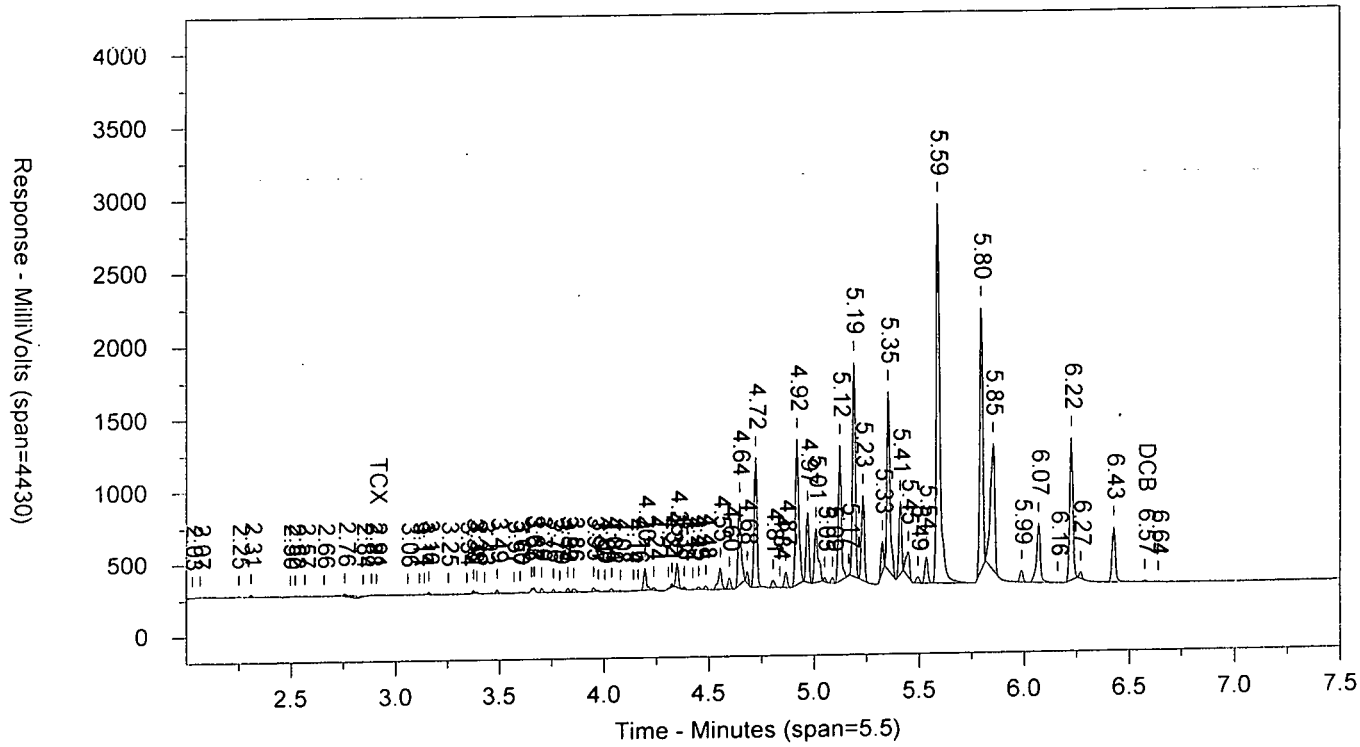

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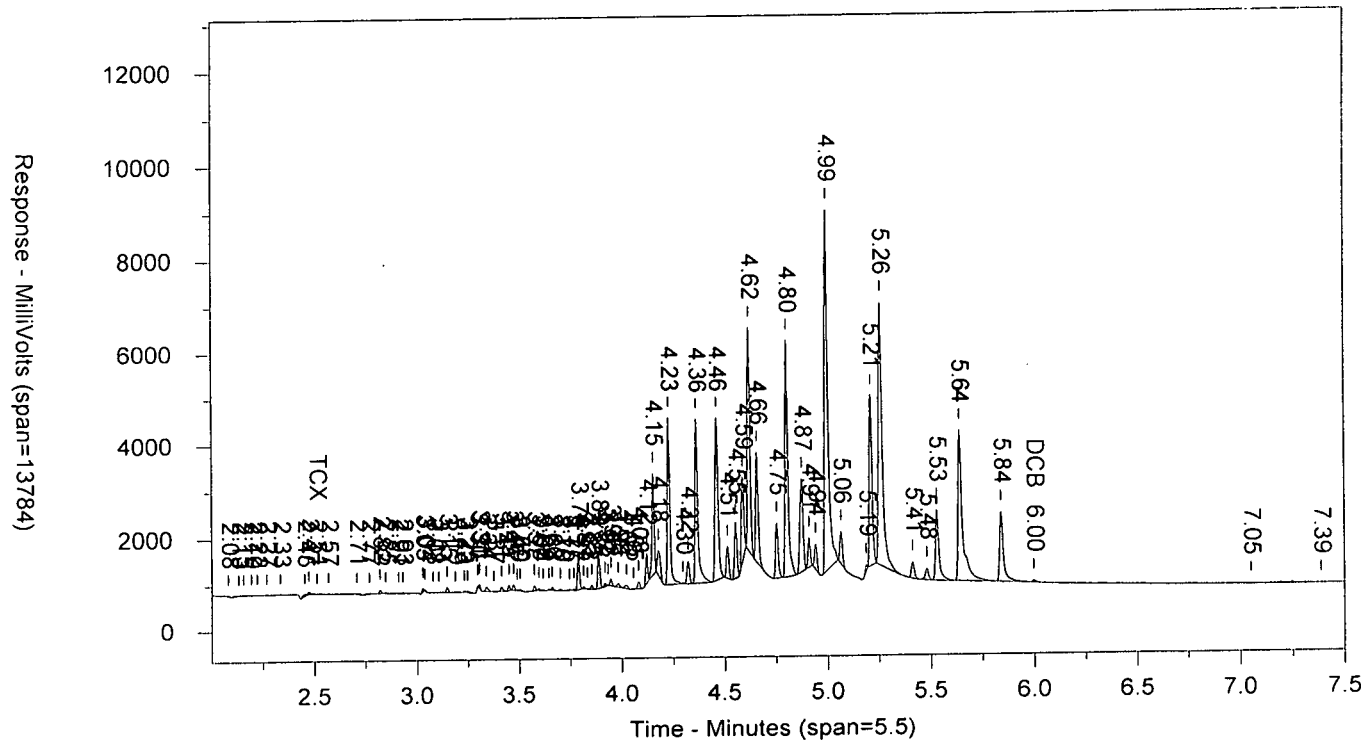

AR6231724A AAAR623AA ICAL 1727499999 10736 SW-846 8082

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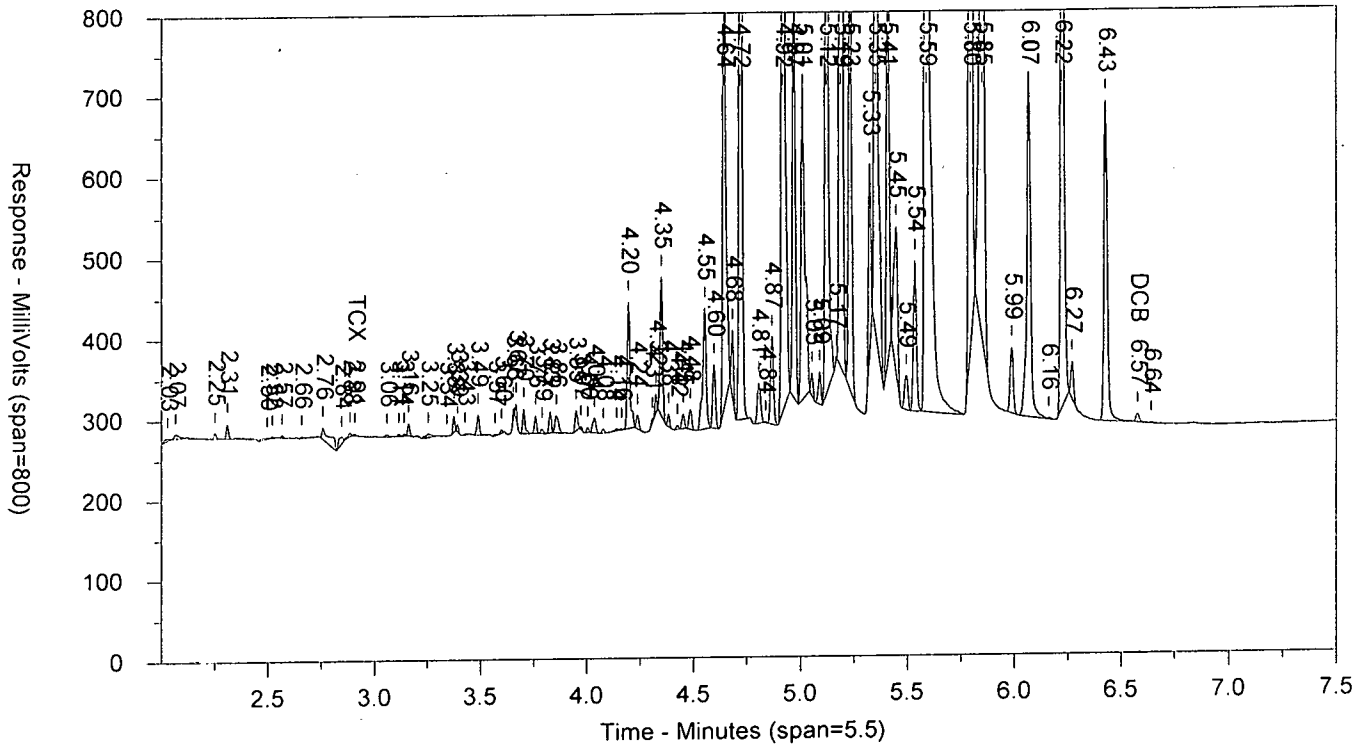

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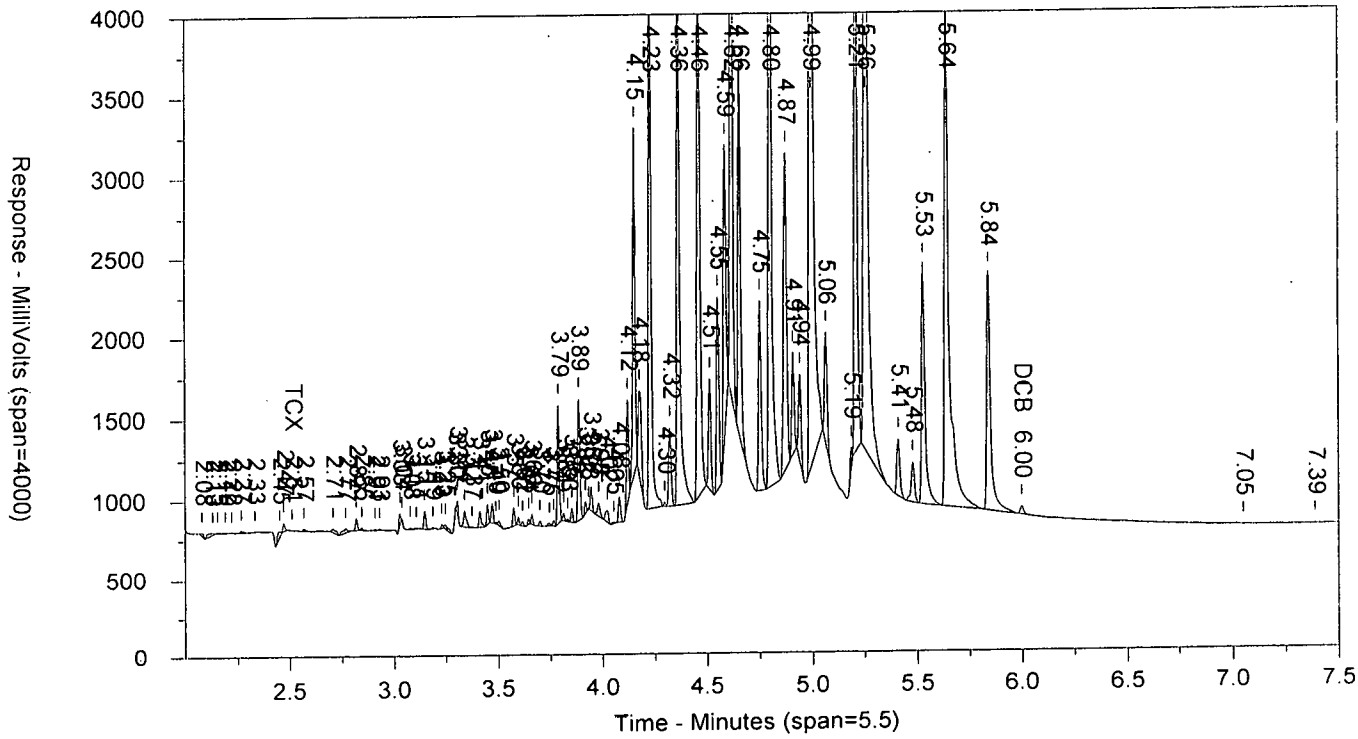

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:47:19 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.026.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.029		3930	7859
2.07		7405	27347
2.152		6642	18126
2.309		95285	67345
2.352		1372	1232
2.418		2363	5499
2.493		2755	6374
2.565		954	542
2.729		1366	2687
2.758		12365	12248
2.799		3143	4129
2.845		3666	4948
2.907	TCX	2715	9943
3.161		2682	7796
3.257		2077	5544
3.373		3721	2343
3.486		5468	5890
3.595		1768	4719
3.648		6999	4824
3.665		5517	3070
3.7		7219	5594
3.756		5701	4971
3.826		8534	6267
3.852		6304	6780
3.896		1322	2082
3.947		8331	6116
3.97		2662	1698
4.001		3232	2165
4.034		8260	8030
4.075		2674	2212
4.138		2976	2934
4.191		8403	6308
4.212		10160	6599
4.235		11983	10880
4.299		2251	4432
4.338		8607	6933
4.357		3062	1713
4.381		2380	1516
4.445		1133	886
4.482		6627	6423
4.532		5171	4259
4.564		3562	3169
4.595		8183	7214
4.641		3523	3054
4.677		4132	3615
4.718		3775	3275
4.761		2932	2500
4.806		6764	6254
4.839		4060	4930
4.916		10247	11431
4.966		36884	34807
5.002		6960	8326
5.12		17849	17485
5.187		513397	509082

RT A	Compound A	Height A	Area A
5.23		34141	29645
5.275		2326	3883
5.323		20486	16003
5.369		665988	712466
5.432		197966	191500
5.494		11822	12369
5.532		2751	2633
5.587		210986	172130
5.61		119181	87841
5.684		1512	1713
5.793		3336690	3256452
5.85		2829314	3062182
5.984		2848663	2774411
6.047		655470	728741
6.155		1744	1690
6.219		1038344	1180560
6.422		9257450	9529033
6.569	DCB	1693915	1871759
6.877		4579	4423
7.37		768	929
7.494		1381	2612
7.691		814	586
8.513		6818	15906

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:47:19 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.026.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.082		31512	28555
2.13		15912	45290
2.16		8458	9021
2.221		3502	4360
2.285		15069	14859
2.333		11829	20732
2.472		69943	116391
2.514	TCX	2918	4577
2.627		6626	9184
2.705		12614	34059
2.768		18335	54552
2.82		11260	7696
2.844		3823	1902
2.892		1582	1213
3.003		13632	9304
3.028		24465	15123
3.064		1353	379
3.079		3438	2050
3.109		7635	5092
3.148		23149	17288
3.198		7899	8727
3.232		4867	2833
3.249		42404	50460
3.304		58380	77783
3.338		28972	23233
3.372		4151	2813
3.411		31202	22051
3.447		47355	27284
3.469		36308	21728
3.487		8835	4293
3.508		17074	22597
3.572		54712	74561
3.594		16426	8793
3.612		8510	4209
3.643		11146	6447
3.659		33590	19317
3.698		18442	13529
3.745		7221	4840
3.764		32108	16853
3.789		75363	51793
3.811		42894	26967
3.852		18004	12488
3.885		16698	11654
3.917		39748	30008
3.944		17735	10073
3.976		7036	6410
4.014		28198	23663
4.055		10853	17588
4.079		23755	18099
4.111		10760	8268
4.137		33985	36977
4.228		32726	29438
4.266		19037	22975
4.333		21819	32497

RT B	Compound B	Height B	Area B
4.361		36565	33779
4.458		198664	167393
4.508		25941	24810
4.551		89386	81860
4.588		11470	9791
4.616		1852103	1682821
4.653		113008	83753
4.75		109601	94565
4.798		2679289	2632275
4.863		737116	719272
4.922		39948	49266
4.993		952392	1070124
5.062		720940	713653
5.142		9236	6646
5.208		9938091	9486153
5.256		9314869	9679189
5.408		9489434	9368285
5.477		2537214	2368531
5.527		186855	169486
5.637		3128414	4239429
5.837		29319210	33125730
5.995	DCB	6517149	7086632
6.219		6473	8928
6.332		22361	22504
6.967		3158	9935
7.225		2385	1248
7.383		1931	1767
7.826		2988	4591
8.004		20374	35531
8.497		1727	1464
8.608		2352	1317

AR6831724B AAAR683AA ICAL 1727499999 10736 SW-846 8082

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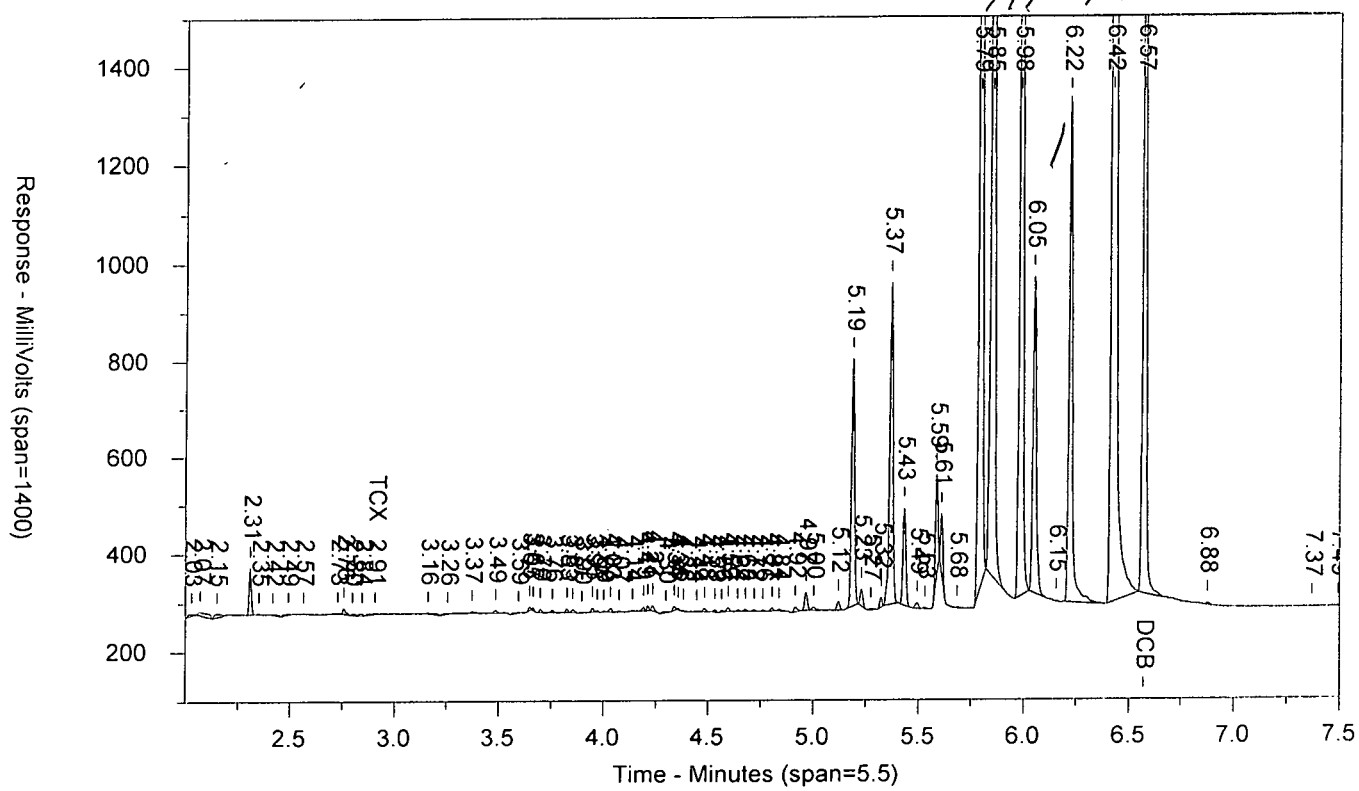

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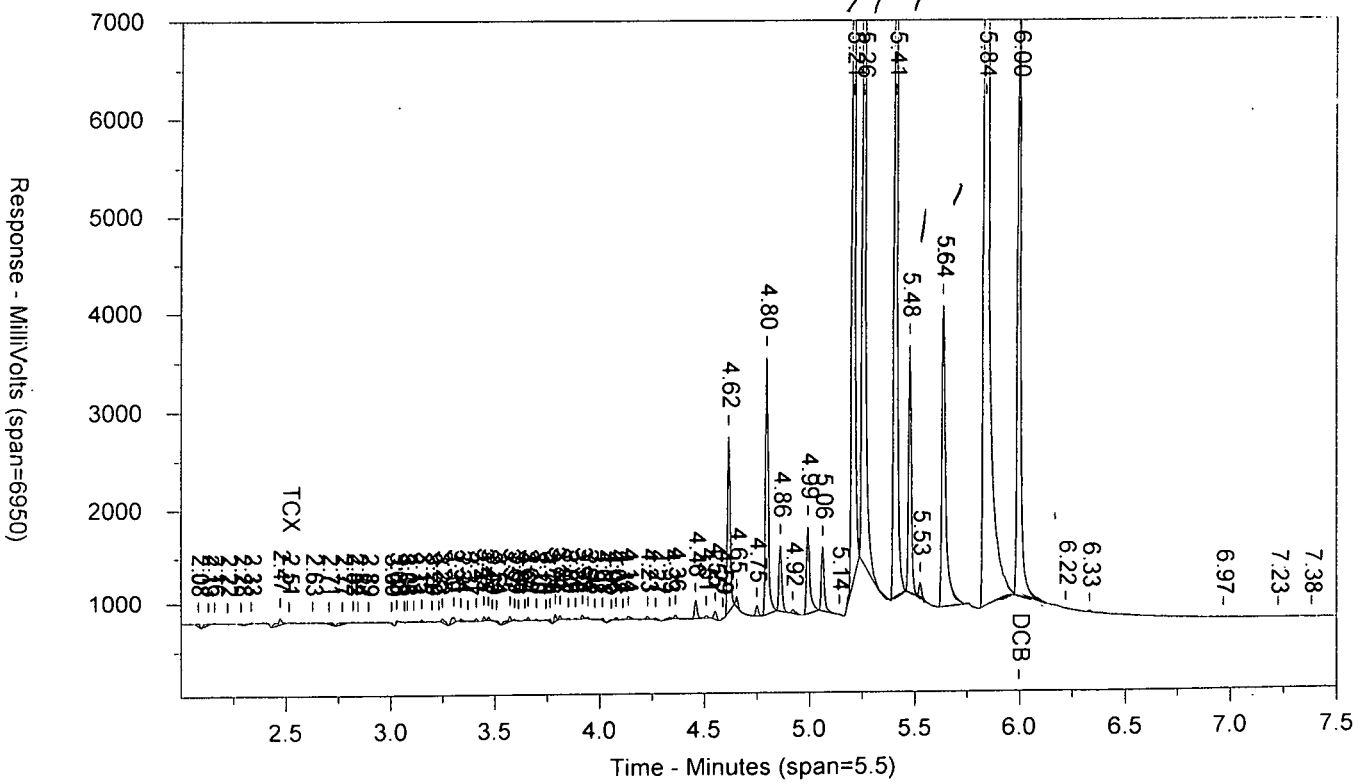

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:47:19 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.907	2715	.014	TCX	2.514	2918	.004	TCX
6.569	1693915	13.219	DCB	5.995	6517149	13.849	DCB

Files:
Area File: 20PCBs17275001.026.RAW
Area File: 20PCBs17275001B.026.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 12:56:03 AM
File Reported On: 10/3/2017 at 12:56:16 AM

AR6831724B AAAR683AA ICAL 1727499999 10736 SW-846 8082

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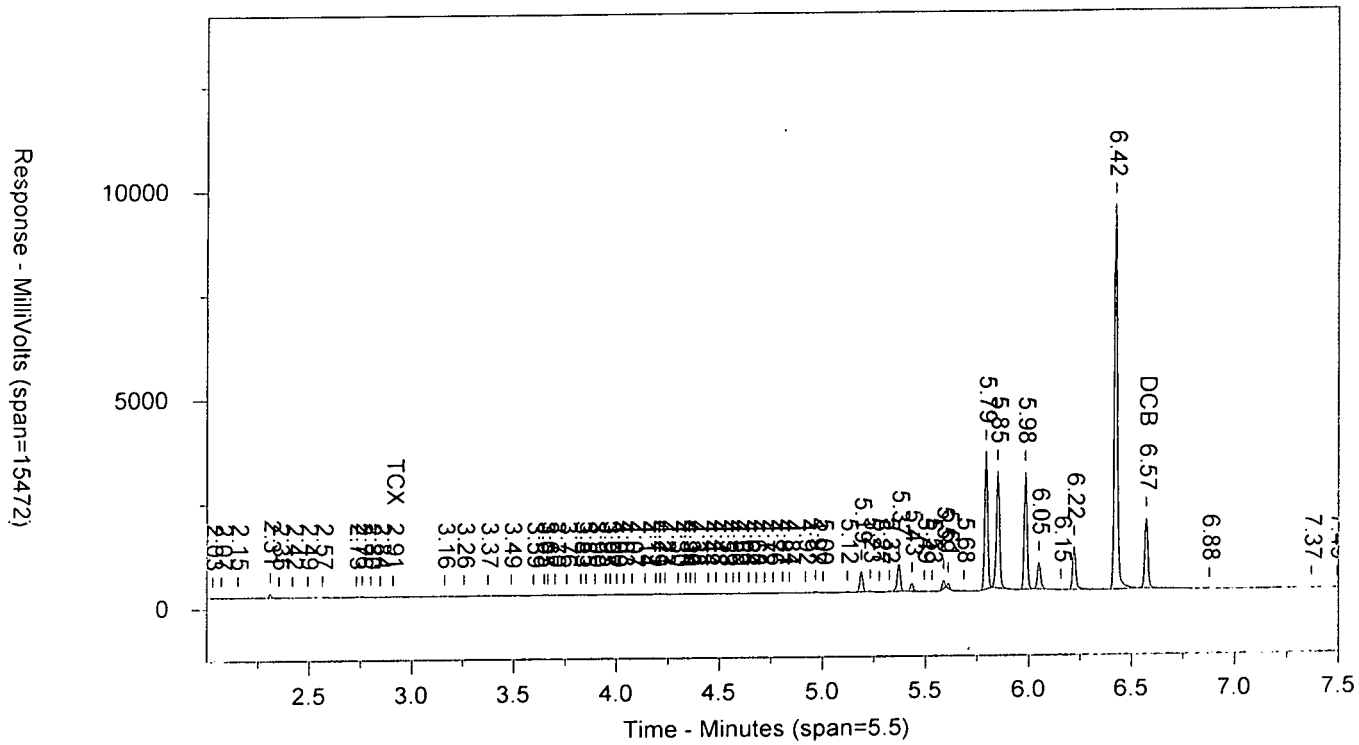

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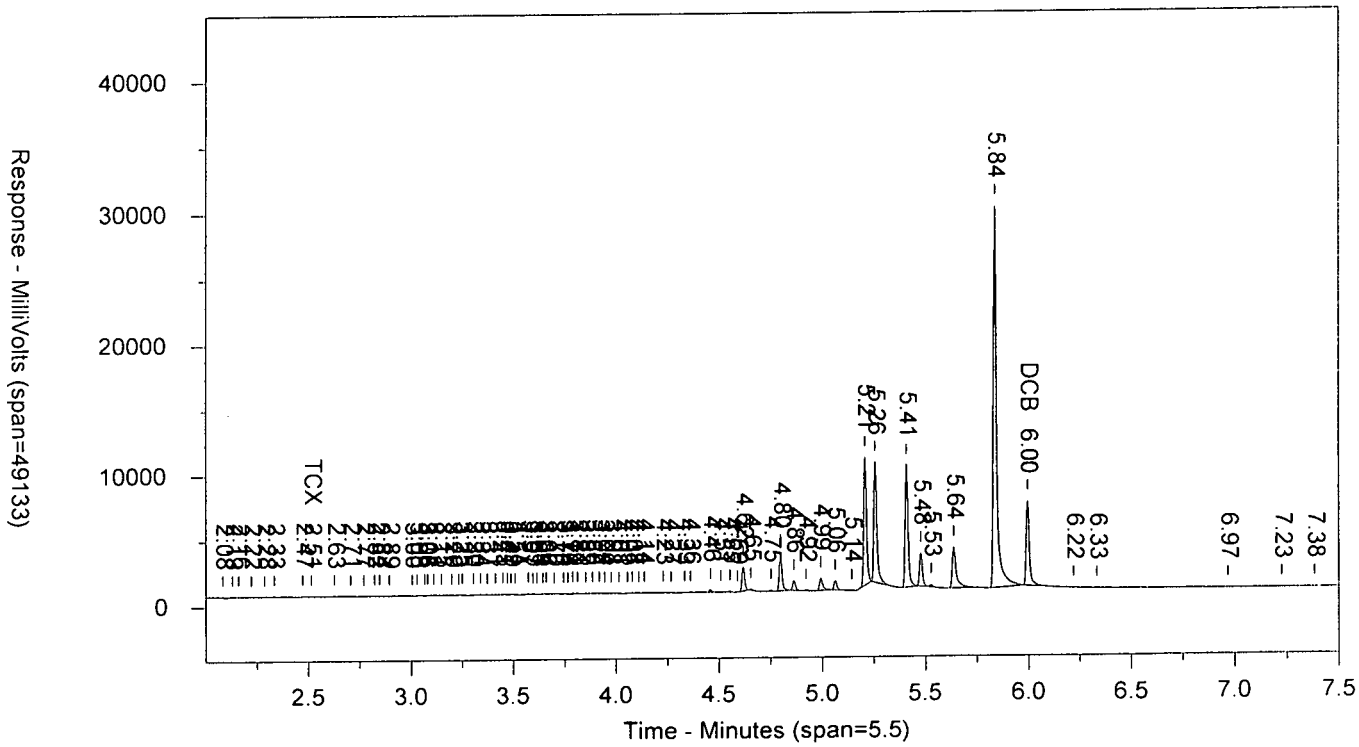

AR6831724B AAAR683AA ICAL 1727499999 10736 SW-846 8082

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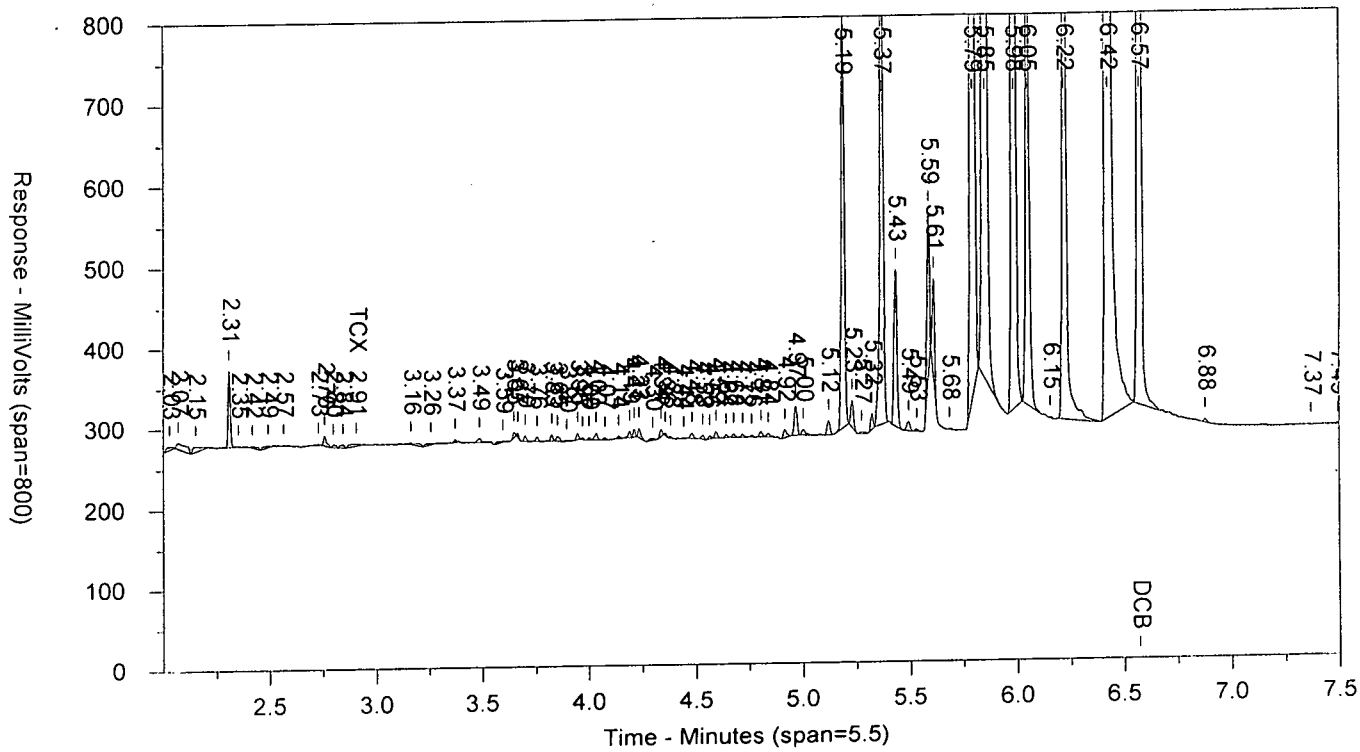

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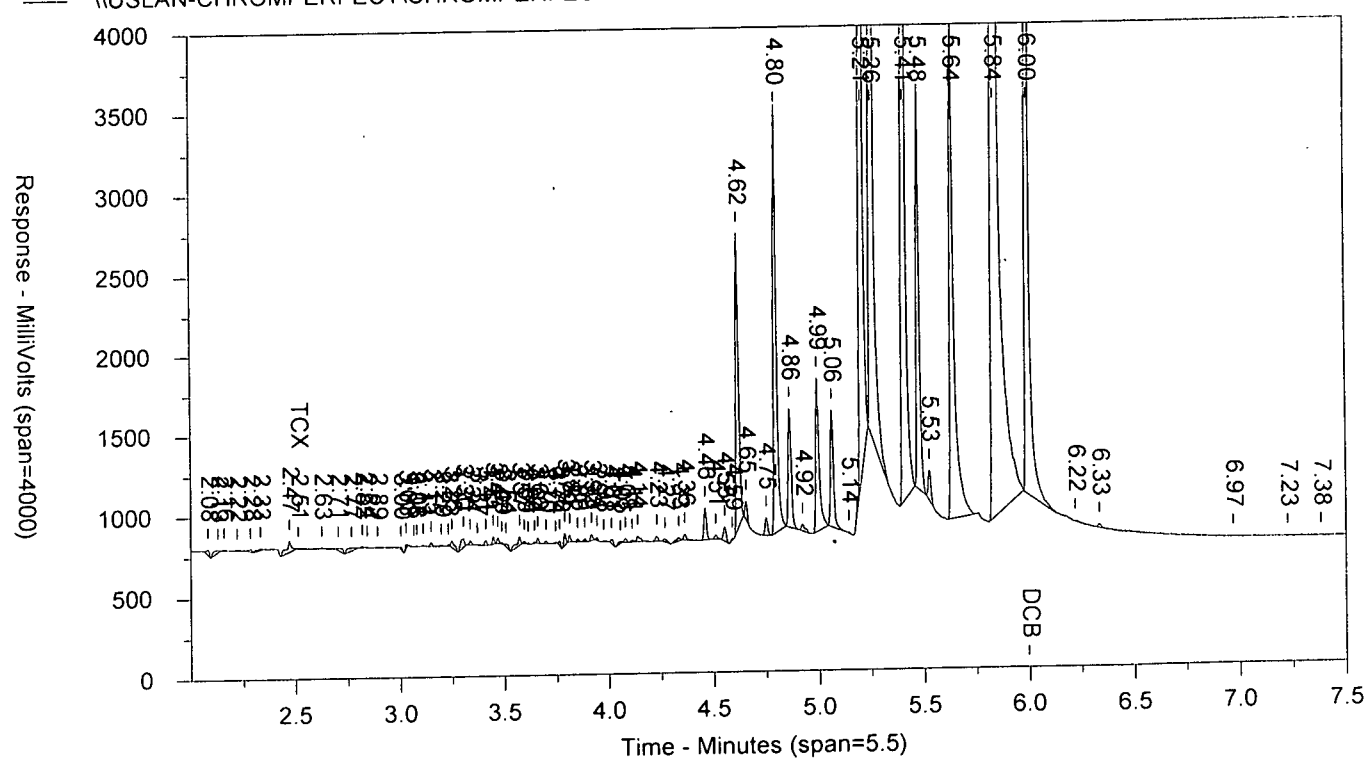


LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:58:38 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.027.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.031		2231	4990
2.067		3336	4086
2.151		4254	13433
2.21		37827	33057
2.309		19661	21438
2.407		1128	1519
2.494		2096	6334
2.52		1264	1016
2.549		226841	164856
2.758		7213	5119
2.786		3417	8794
2.823		26193	12508
2.844		2635	2312
2.909	TCX	7949115	5308232
3.008		1944	1330
3.058		288479	237121
3.113		256666	213131
3.16		812260	571505
3.235		16627	10547
3.253		4812	2529
3.374		39678	22961
3.394		36173	44441
3.426		4532	2171
3.455		86137	58675
3.488		54298	40505
3.544		16043	10075
3.564		3510	2285
3.596		11905	6502
3.611		13203	6561
3.636		4158	1980
3.654		17294	9852
3.665		50182	25541
3.701		66944	50983
3.758		43699	32181
3.827		21087	14973
3.853		11602	11244
3.898		1467	1896
3.948		16960	12196
3.972		4782	3292
4.003		4069	2936
4.037		20884	18936
4.076		3793	3196
4.14		2785	1753
4.194		24272	17254
4.213		12178	6942
4.236		12886	11234
4.307		4928	4679
4.347		25580	33419
4.381		6911	4624
4.42		3734	3100
4.45		4164	3838
4.485		8648	7542
4.534		16286	12997
4.566		5296	4125

RT A	Compound A	Height A	Area A
4.595		27949	25088
4.64		4575	4516
4.68		4474	3585
4.719		10378	10666
4.764		1363	1112
4.806		13439	13889
4.839		1535	944
4.865		2617	4166
4.918		11030	16770
4.958		3462	3962
5.004		9369	11057
5.05		1053	718
5.08		3224	3372
5.122		15057	18361
5.191		2200	1857
5.231		4007	4133
5.295		2567	6614
5.33		3466	2850
5.352		1491	1210
5.489		2138	2240
5.529		1531	2921
5.612		6446	9269
5.795		4547	15487
5.943		1155	4411
5.986		24564	24701
6.05		19434	29264
6.163		1492	1411
6.222		1318	1176
6.426		44366	47573
6.572	DCB	5297303	5546623
7.017		3633	5463
8.515		6426	14867

LANCASTER LABORATORIES

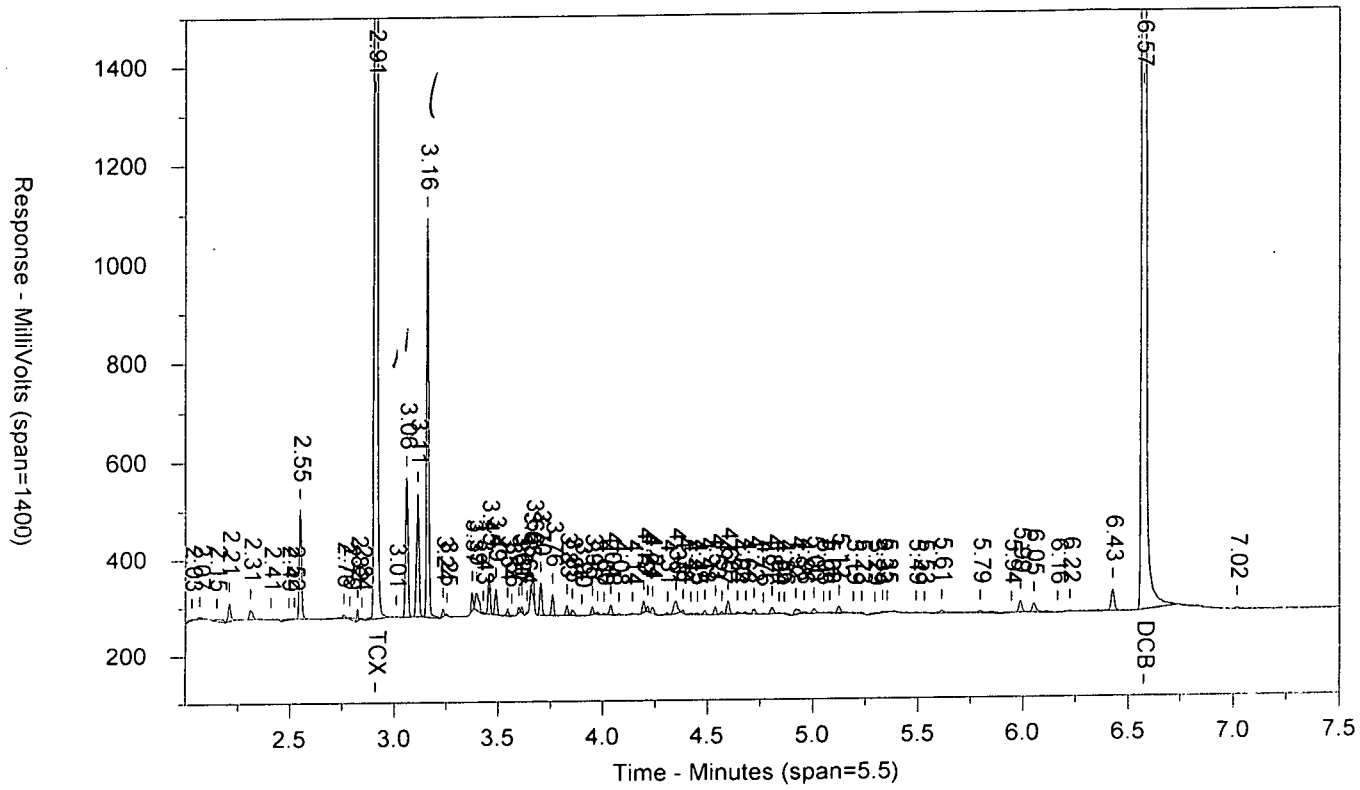
Sample Number: AR2131724A AAAR213AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:58:38 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.027.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.078		33054	48662
2.131		12446	45905
2.157		3990	4712
2.221		813602	608047
2.333		4654	3801
2.378		3049	3931
2.472		64570	214385
2.492		251241	157384
2.535	TCX	26149680	16275540
2.578		312195	251766
2.707		1347134	937714
2.752		306653	152617
2.768		834812	468026
2.819		3012298	1973468
2.868		93975	56789
2.93		29155	18814
3.005		26722	17930
3.027		125451	64005
3.038		40098	12751
3.046		34954	13767
3.068		97484	74588
3.098		23534	12530
3.124		311958	185196
3.147		247630	156445
3.184		20892	10783
3.211		89812	49324
3.231		69169	32709
3.246		77471	62737
3.296		68220	37950
3.305		210251	92965
3.338		240121	200958
3.41		217221	144871
3.448		101823	61935
3.47		62770	34176
3.488		14936	7120
3.572		100351	113864
3.594		25941	13948
3.615		18977	10603
3.643		13228	7059
3.661		78017	49651
3.699		21361	15978
3.75		15615	8705
3.763		29316	15029
3.788		174208	120444
3.812		37747	22126
3.832		11200	5163
3.852		32592	21293
3.886		106789	80052
3.917		39991	21272
3.932		25683	22732
3.974		20118	21312
4.02		27352	19921
4.056		15246	23118
4.08		73576	56630

RT B	Compound B	Height B	Area B
4.112		19935	15846
4.139		123591	104337
4.174		9600	9072
4.228		67519	55728
4.32		17089	18265
4.362		36046	34260
4.415		4096	2898
4.456		37600	41424
4.49		3600	1299
4.514		26169	26484
4.551		31041	41055
4.588		52929	57701
4.745		4173	8445
4.803		15190	11530
4.824		12579	22607
4.909		6548	23232
4.941		9512	9358
4.994		12178	15288
5.065		24389	22309
5.186		9617	10278
5.208		5370	4197
5.253		12982	11842
5.409		109299	111634
5.479		82600	88356
5.53		8307	7673
5.636		4852	5189
5.754		3353	6923
5.794		2996	2709
5.839		176437	224635
5.996	DCB	18893140	20930140
6.33		4698	3574
6.384		3775	2370
6.454		16025	36871
7.083		3110	4979
7.278		2437	2047
7.725		2365	1716
7.798		1752	1343
8.008		21347	40686
8.205		2157	819
8.517		1736	1358

AR2131724A AAAR213AA ICAL 1727499999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.027.RAW



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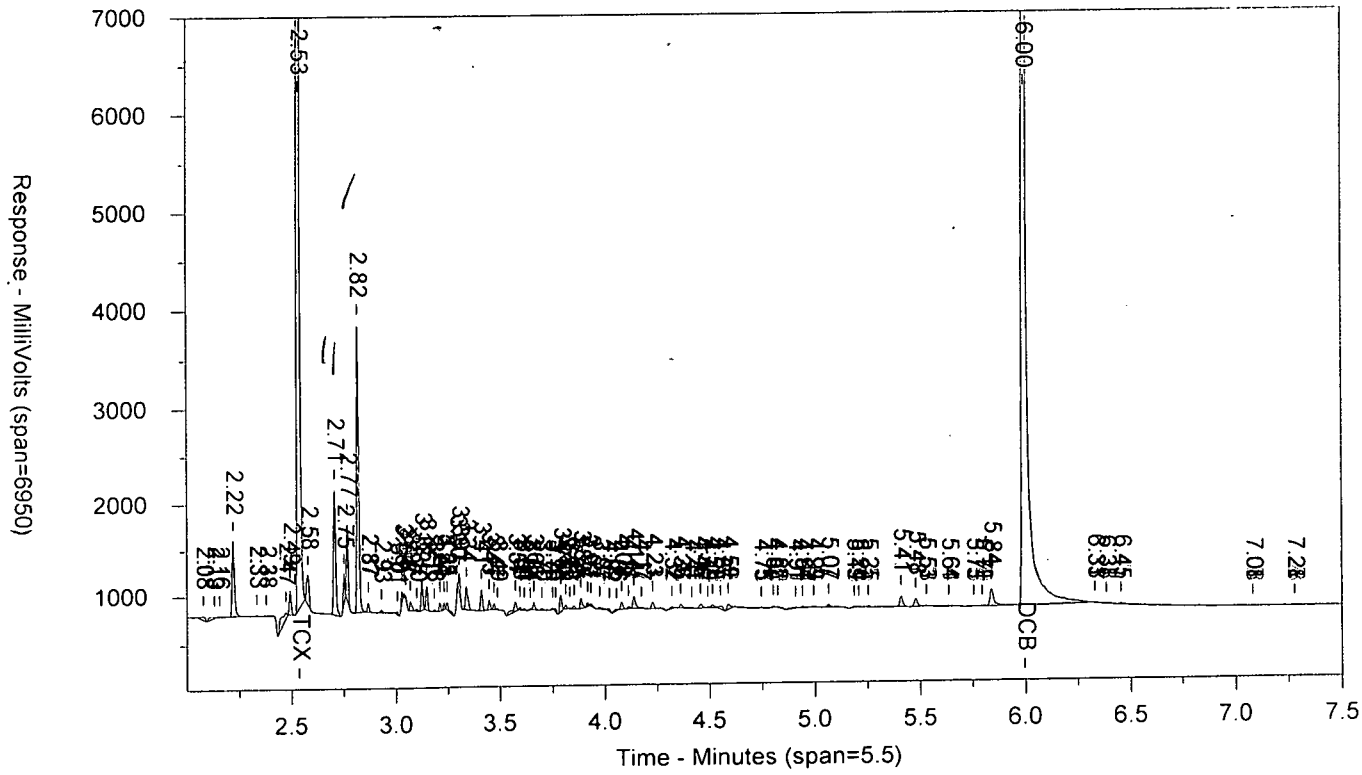

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 12:58:38 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	7949115	41.654	TCX	2.535	26149680	38.879	TCX
6.572	5297303	41.34	DCB	5.996	18893140	40.148	DCB

Files:
Area File: 20PCBs17275001.027.RAW
Area File: 20PCBs17275001B.027.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 1:07:22 AM
File Reported On: 10/3/2017 at 1:07:42 AM

AR2131724A AAAR213AA ICAL 1727499999 10736 SW-846 8082

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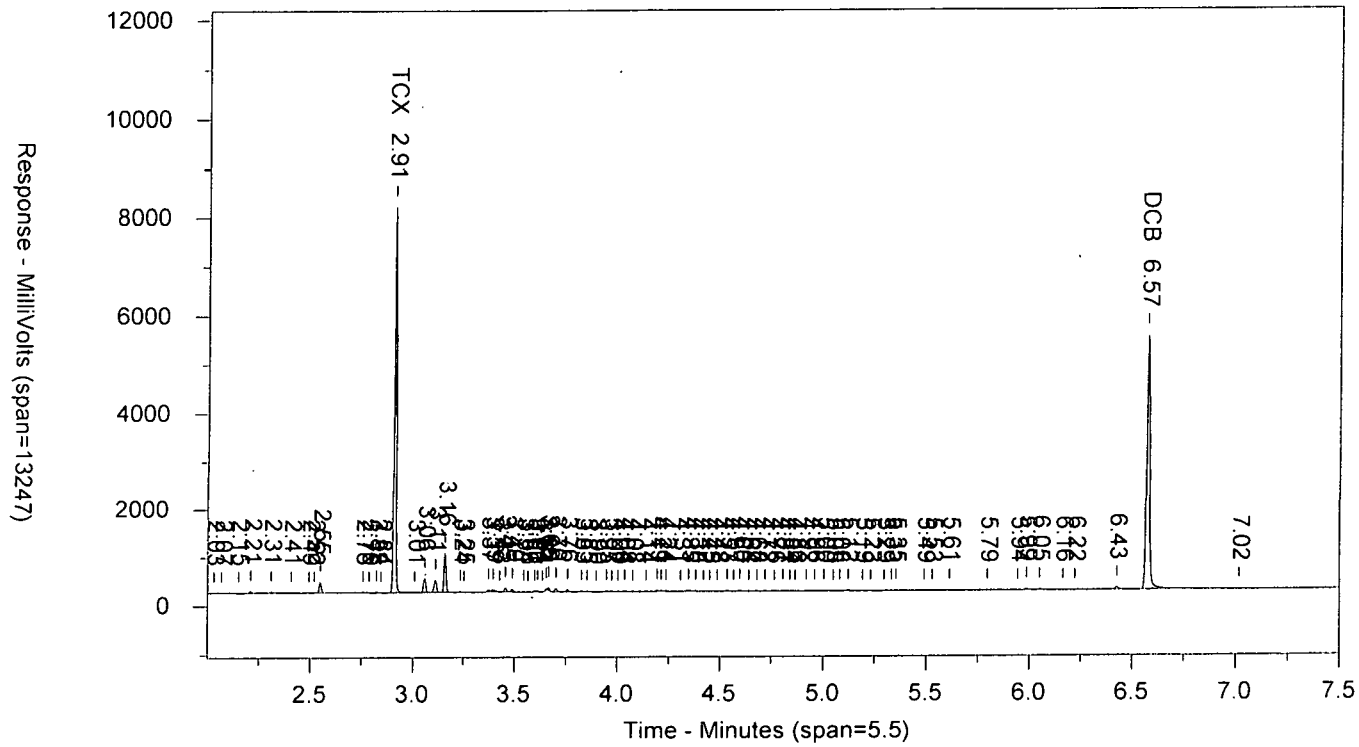

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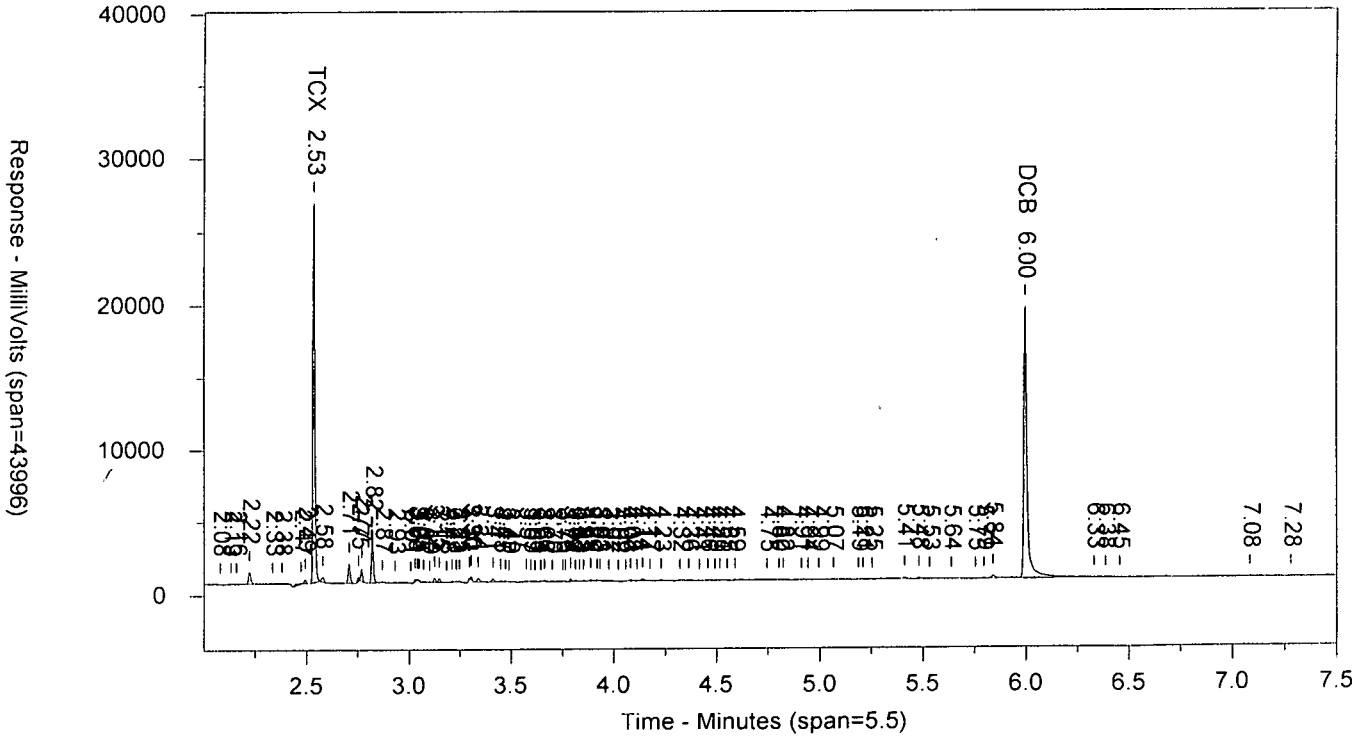

AR2131724A AAAR213AA ICAL 1727499999 10736 SW-846 8082

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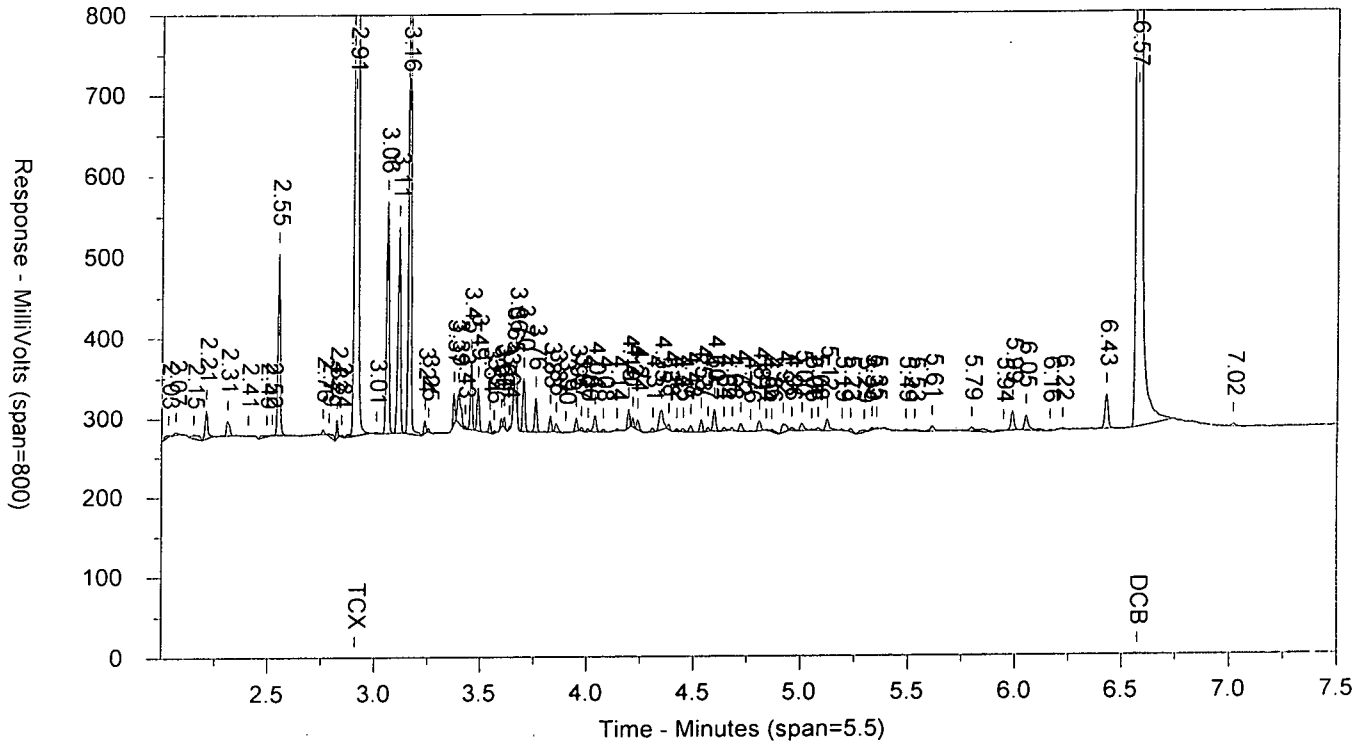

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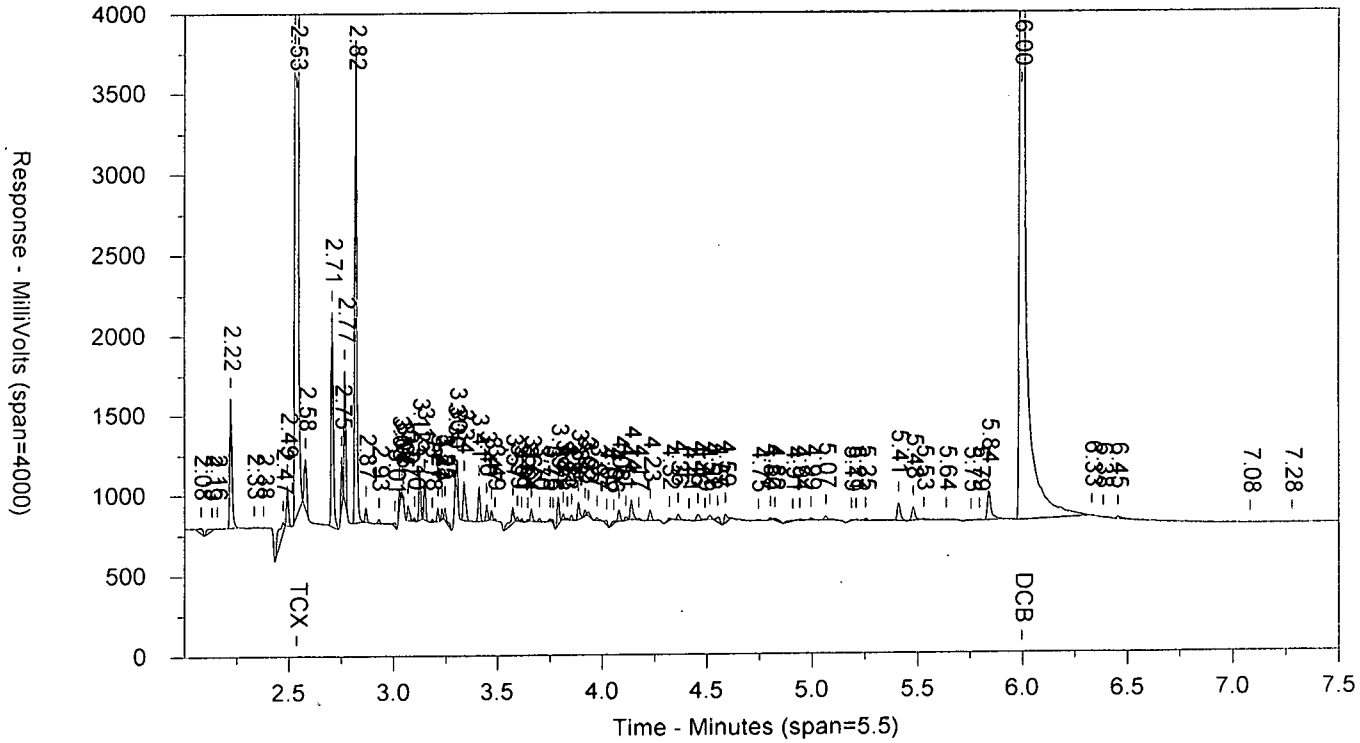


LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:10:06 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.028.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.038		1721	5298
2.066		3793	6258
2.21		34048	30662
2.31		16512	18879
2.409		1019	927
2.486		899	2684
2.518		4940	3438
2.548		135572	97150
2.691		998	1167
2.734		1197	1653
2.758		4558	3446
2.823		6415	2419
2.846		5271	6879
2.909	TCX	7435168	4939070
3.01		2220	1328
3.058		209237	174225
3.113		198915	175666
3.16		701887	490808
3.236		12537	7032
3.253		30651	19466
3.293		1123	1304
3.375		280274	170353
3.392		135247	74075
3.429		32744	18101
3.456		59619	44110
3.489		336846	251603
3.527		1280	710
3.546		14723	8913
3.565		12079	7173
3.599		71471	40476
3.613		36515	18262
3.656		167224	86874
3.667		305302	151246
3.704		401782	289930
3.76		321516	232156
3.8		24273	16406
3.828		193573	142307
3.855		152689	120470
3.876		34790	17551
3.95		232516	162676
3.974		82683	51803
4.004		86011	60894
4.038		236454	219396
4.077		73843	58478
4.124		12833	10869
4.163		16772	12875
4.194		139422	91456
4.215		170546	107008
4.237		209737	153908
4.293		4751	2756
4.307		5927	3246
4.341		130163	98836
4.361		60784	35538
4.383		21576	13857

RT A	Compound A	Height A	Area A
4.422		3918	2684
4.446		7505	6427
4.487		31791	28025
4.537		46715	40285
4.568		26196	19936
4.598		69220	62168
4.643		4325	3514
4.68		31303	29174
4.721		9383	9566
4.768		6098	5184
4.809		39222	44394
4.868		969	560
4.888		2780	1923
4.921		9602	13258
4.962		3956	4363
5.006		35850	43257
5.083		2960	3023
5.125		13787	17053
5.191		4080	3742
5.233		5573	6156
5.286		1885	3368
5.331		2476	1901
5.353		3757	3074
5.412		1649	1032
5.451		1535	1160
5.491		2054	2062
5.533		2138	2905
5.591		6805	5756
5.614		3525	2244
5.7		6417	9520
5.797		7115	7262
5.924		686	1253
5.988		21983	22928
6.051		17894	21014
6.225		2988	3081
6.273		1523	1602
6.354		855	835
6.426		37350	37766
6.454		2072	1297
6.523		961	741
6.574	DCB	4901254	5221090
7.02		3369	5084
7.498		1013	2001
7.875		1063	1647
8.012		656	462
8.514		7162	17394

LANCASTER LABORATORIES

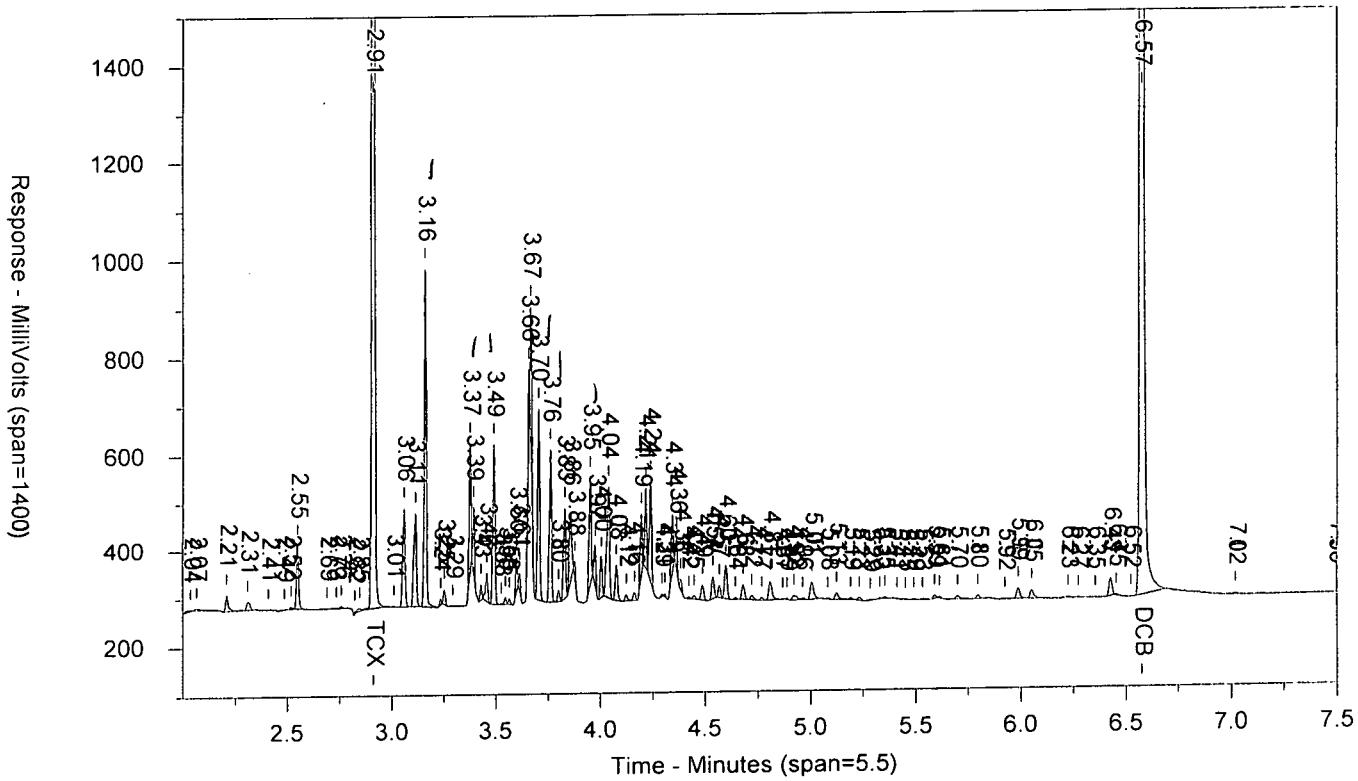
Sample Number: AR3241724A AAAR324AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:10:06 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.028.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.08		24616	28876
2.125		22367	42710
2.157		4485	5307
2.221		521178	389167
2.307		2462	1450
2.333		13873	13273
2.389		60776	289529
2.472		55050	213507
2.492		147219	92953
2.535	TCX	24674730	15262330
2.578		258090	196821
2.707		1005029	715606
2.752		299488	144258
2.767		655792	366627
2.819		2605767	1727095
2.868		84055	56187
2.93		168542	108567
3.006		14906	7241
3.026		850236	437691
3.037		309338	107892
3.077		193256	135843
3.098		88495	48721
3.124		232697	132789
3.147		1409624	955512
3.184		65253	38647
3.211		90212	46525
3.231		346246	181035
3.246		202274	99524
3.296		504172	254940
3.305		1092926	483197
3.325		42010	14752
3.339		1238515	894977
3.412		1323318	868760
3.448		835406	538512
3.471		919835	521226
3.489		286975	149987
3.574		1094925	730944
3.596		426673	226412
3.617		405530	243858
3.645		271466	135745
3.662		823335	509280
3.701		378662	270426
3.749		53722	33409
3.768		469747	282623
3.79		913204	587786
3.814		710398	520251
3.853		42655	23004
3.871		16142	6298
3.888		199066	133867
3.92		504368	366307
3.947		287894	173641
3.992		16911	10302
4.025		102174	74887
4.057		15829	12762

RT B	Compound B	Height B	Area B
4.082		208973	164647
4.114		114588	81017
4.141		284743	258684
4.231		147764	133784
4.267		17763	14027
4.3		50483	38396
4.365		32619	40167
4.419		7951	6311
4.46		35731	41067
4.511		89987	106650
4.554		18873	19713
4.591		41730	41353
4.62		9149	7166
4.754		4668	7115
4.806		26226	21572
4.826		6404	10010
4.879		9102	8270
4.912		3489	2848
4.945		9887	8377
4.999		30708	40271
5.066		21581	20480
5.187		13717	12373
5.21		5195	3238
5.234		4406	3935
5.258		20453	22969
5.371		1515	1506
5.411		99698	104257
5.48		74595	75563
5.529		11217	14272
5.639		8662	9387
5.757		3115	7049
5.841		164122	214286
5.998	DCB	17045280	19493300
6.456		13953	29688
6.673		3028	5073
7.132		1257	761
7.374		1636	1731
7.497		2157	632
7.683		1905	2798
7.749		2862	3856
7.909		2461	2191
8.01		22381	41365
8.212		2319	2476

AR3241724A AAAR324AA ICAL 1727499999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.028.RAW



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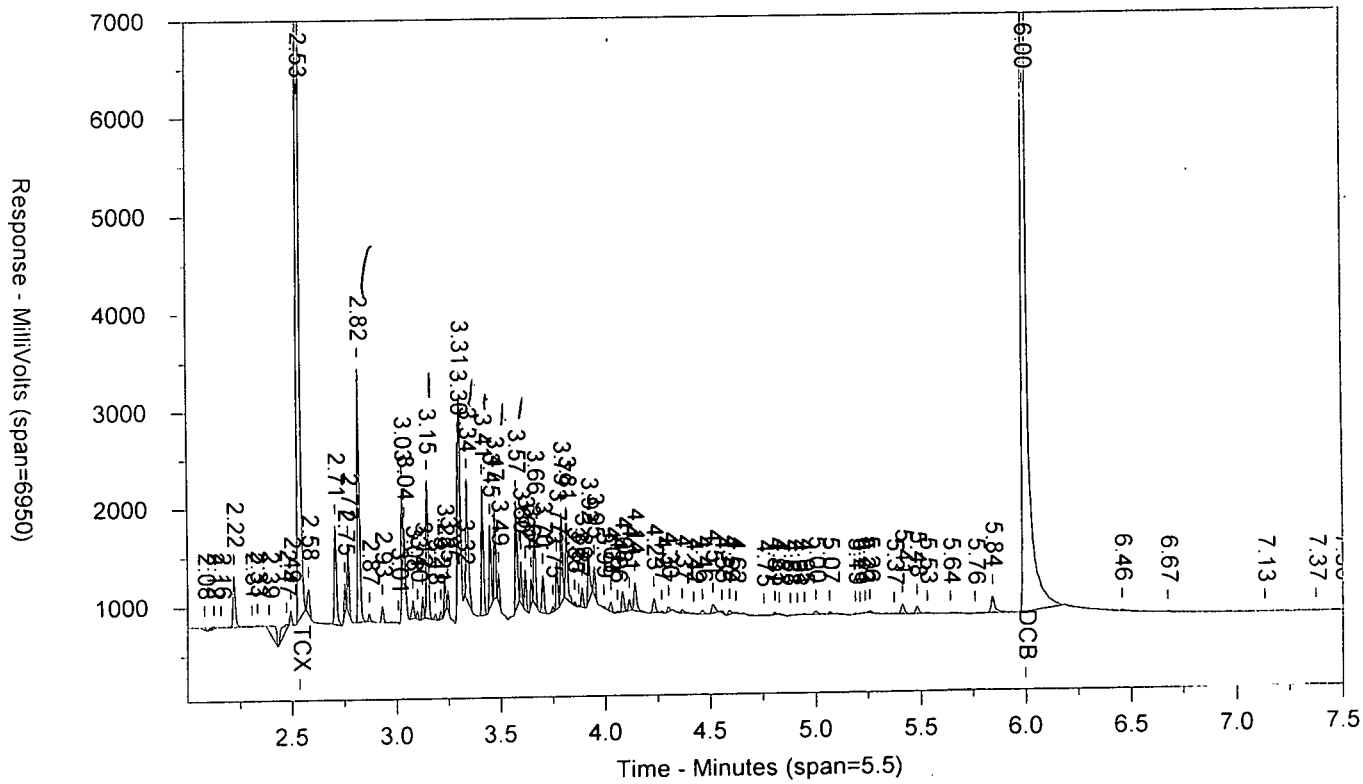

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:10:06 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	7435168	38.961	TCX	2.535	24674730	36.686	TCX
6.574	4901254	38.25	DCB	5.998	17045280	36.221	DCB

Files:
Area File: 20PCBs17275001.028.RAW
Area File: 20PCBs17275001B.028.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 1:18:50 AM
File Reported On: 10/3/2017 at 1:19:04 AM

AR3241724A AAAR324AA ICAL 1727499999 10736 SW-846 8082

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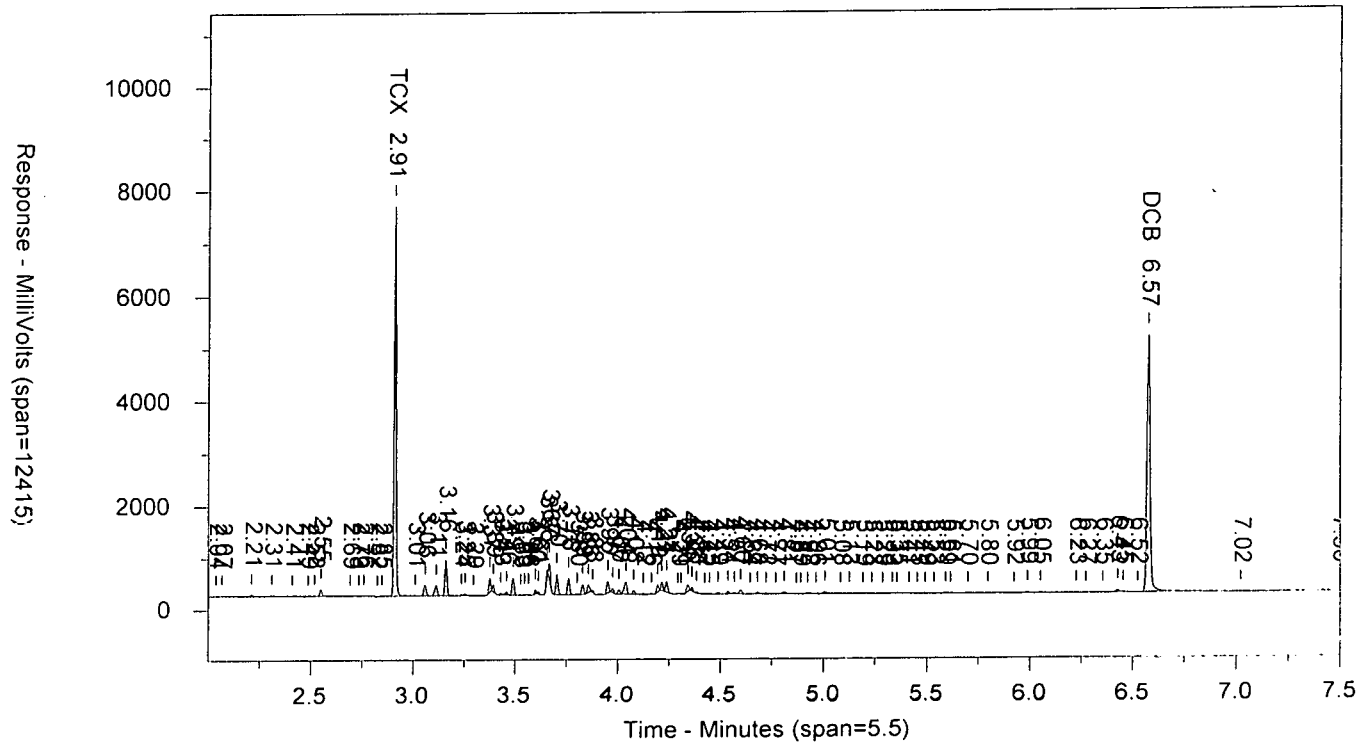

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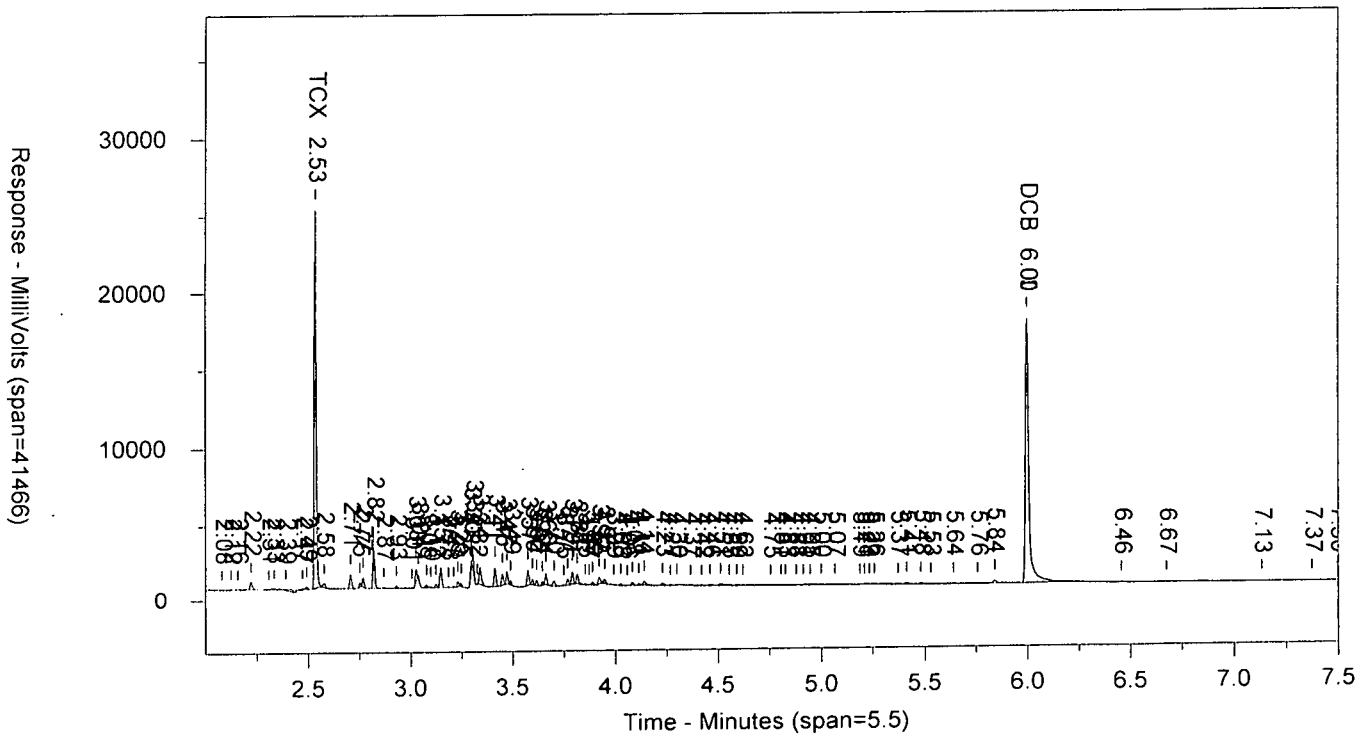

AR3241724A AAAR324AA ICAL 1727499999 10736 SW-846 8082

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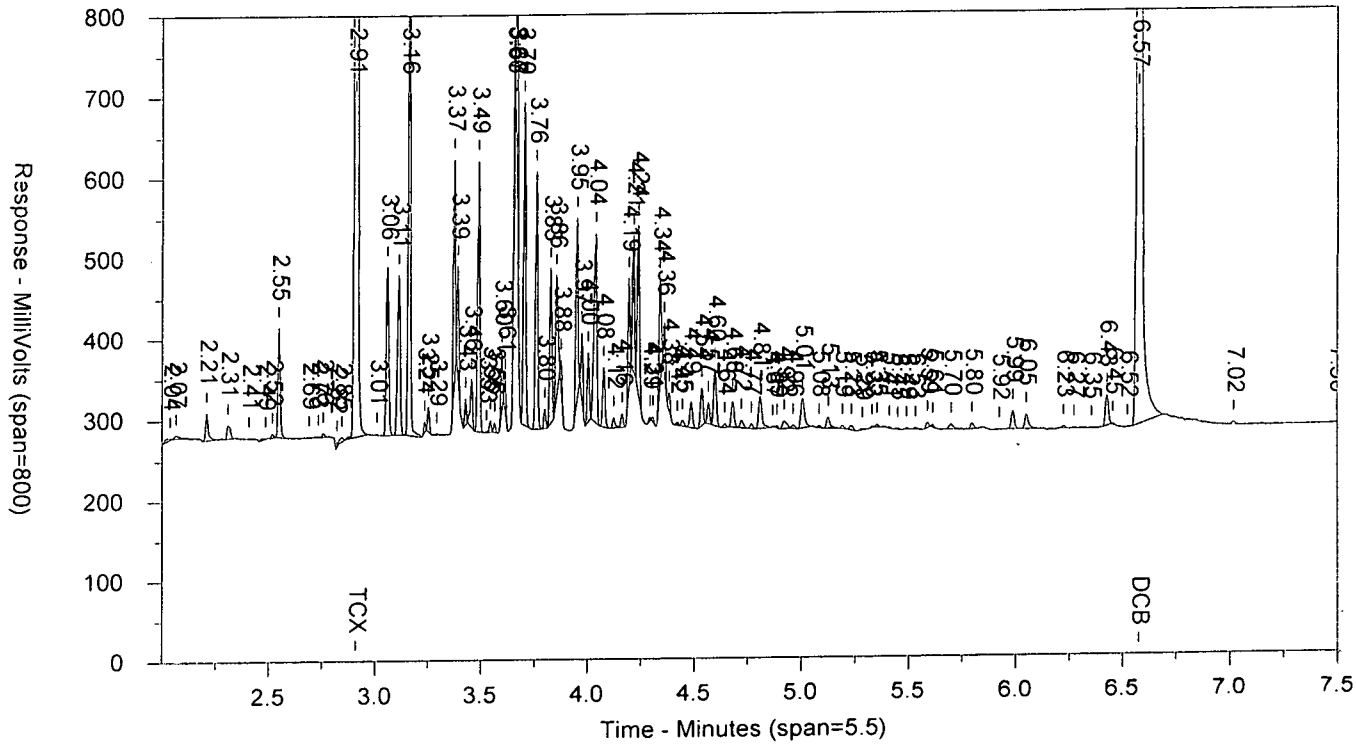

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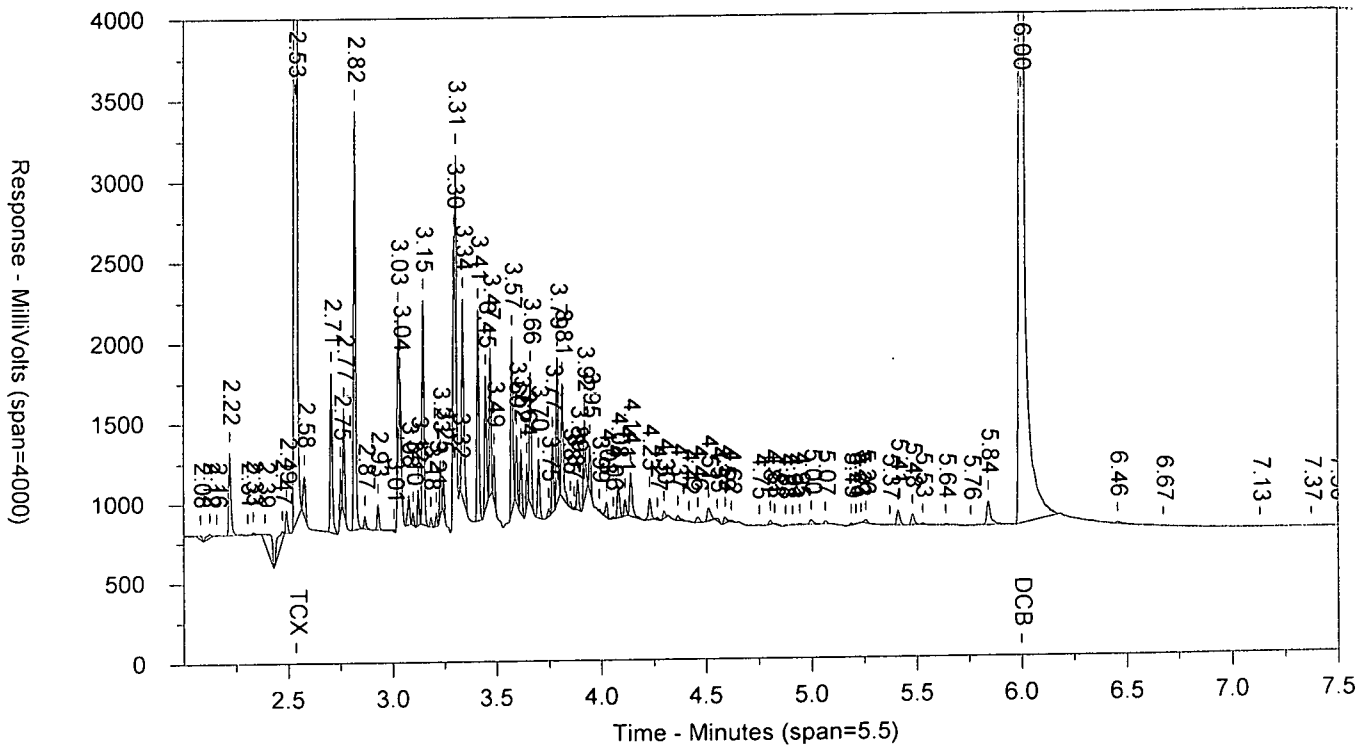

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:21:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.029.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.029		8622	10333
2.064		3334	5679
2.21		55756	42012
2.281		730	399
2.317		25694	29852
2.41		2832	9578
2.476		2178	2988
2.498		1191	999
2.52		1973	1400
2.549		11517	9713
2.635		1819	1458
2.688		956	643
2.72		2346	2822
2.757		2358	1771
2.833		4540	8055
2.909	TCX	14144620	9100784
3.009		3152	2092
3.027		1270	616
3.058		158469	137072
3.111		208849	216209
3.16		839868	603776
3.235		21122	11958
3.253		96745	62416
3.292		2592	1956
3.374		882517	521285
3.391		414392	214884
3.428		95522	54087
3.443		17701	6425
3.455		46355	22121
3.488		1045851	759847
3.524		4358	2087
3.544		34170	20544
3.564		33701	21611
3.597		219774	126097
3.612		116292	54535
3.655		420672	258401
3.665		900998	456384
3.702		1224755	892251
3.759		1062693	745041
3.8		76408	54093
3.827		682496	485367
3.854		504396	418874
3.875		84534	46446
3.949		819137	564412
3.973		283074	178396
4.004		290806	206927
4.037		824332	761799
4.076		242677	193319
4.123		44585	35925
4.162		68721	51043
4.194		496310	331167
4.214		548594	344380
4.237		752085	559791
4.293		11545	6235

RT A	Compound A	Height A	Area A
4.306		25849	15134
4.34		474411	363189
4.36		229088	134421
4.382		103839	70276
4.421		6717	4318
4.445		28744	21348
4.485		131485	115889
4.536		177333	152049
4.567		119773	86742
4.596		303959	262222
4.643		2974	1778
4.678		127516	119819
4.721		20298	25402
4.768		30831	28049
4.807		204873	207719
4.885		23772	29700
4.921		9750	8460
4.96		5494	5143
5.003		179958	189248
5.052		5737	4052
5.079		6819	8623
5.123		57036	61557
5.297		6494	16764
5.33		20244	17852
5.444		1409	1794
5.49		3604	3376
5.53		11299	10676
5.613		12887	19021
5.699		2553	2605
5.795		7059	29058
5.956		1066	9475
5.986		39605	41431
6.05		33026	41485
6.223		2979	7694
6.35		1340	1478
6.425		73053	81584
6.531		1097	1157
6.574	DCB	9187471	9513690
6.713		5468	8485
7.019		8302	18532
7.121		2332	2872
7.274		2688	4640
7.33		1640	2200
7.396		1441	2144
7.46		1405	2004
7.809		2560	4489
8.09		955	1606
8.199		1266	2637
8.305		4579	11875
8.516		7248	17191

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:21:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.029.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.034		3135	2440
2.078		56307	66306
2.131		23813	95355
2.157		5993	6630
2.222		51327	48251
2.285		7343	4594
2.334		5129	3872
2.395		55674	157770
2.453		29484	63752
2.471		9887	5749
2.494		10457	7397
2.535	TCX	45466100	28055230
2.579		246943	165911
2.626		7078	13685
2.707		801895	671500
2.753		552916	287240
2.768		597067	313493
2.819		3081750	2050772
2.868		153828	95724
2.93		467797	322685
3.002		21612	17236
3.027		2077886	989263
3.037		844343	312772
3.078		517301	318998
3.099		252655	147742
3.124		266823	148532
3.147		3814245	2658865
3.185		185078	113112
3.211		164344	82867
3.231		929385	496205
3.246		509746	253775
3.296		1171572	700011
3.305		3300166	1395817
3.325		149815	52573
3.339		3499270	2478174
3.412		3907635	2543051
3.448		2653363	1704088
3.47		2943748	1638943
3.488		950766	488476
3.573		3428345	2284139
3.595		1318250	706649
3.615		1280040	773937
3.644		887454	455664
3.661		2768635	1696012
3.7		1183951	838306
3.747		176870	118749
3.766		1456978	873237
3.79		3079371	1970922
3.813		2680438	1875663
3.853		157596	81420
3.87		55891	22508
3.887		832546	539695
3.919		1890855	1407994
3.945		1137482	663489

RT B	Compound B	Height B	Area B
3.992		117112	74924
4.024		308518	236722
4.056		38324	49293
4.081		886411	687221
4.112		525894	357760
4.139		1177437	966847
4.23		537931	491246
4.266		109794	102059
4.298		229620	167284
4.318		21341	13885
4.363		73129	51826
4.386		40458	28171
4.456		105129	111899
4.51		581166	992774
4.588		220679	273169
4.632		19083	12262
4.711		3859	7259
4.773		5006	3262
4.801		6685	4595
4.825		123511	182576
4.915		16742	90288
4.942		13533	10588
4.974		20906	16379
4.995		10953	11305
5.065		35833	32077
5.114		3917	3367
5.139		26224	24663
5.21		24952	95040
5.254		21285	28183
5.411		194837	216096
5.479		151708	185890
5.529		12475	13220
5.644		12940	62441
5.743		28340	52720
5.793		4103	3232
5.84		312713	381659
5.997	DCB	33591520	35167770
6.227		6165	6378
6.25		10008	17084
6.349		7731	6233
6.4		25393	44257
6.455		23943	31431
6.547		6042	11720
6.62		6578	9952
6.692		3682	5989
6.73		10170	14379
6.952		7441	7449
6.986		8428	8779
7.081		5481	5504
7.119		13664	15510
7.199		5299	9708
7.257		4719	4225
7.293		3150	3062
7.405		1883	2010
7.826		2448	3816
8.008		23100	43233

AR4231724A AAAR423AA ICAL 1727499999 10736 SW-846 8082

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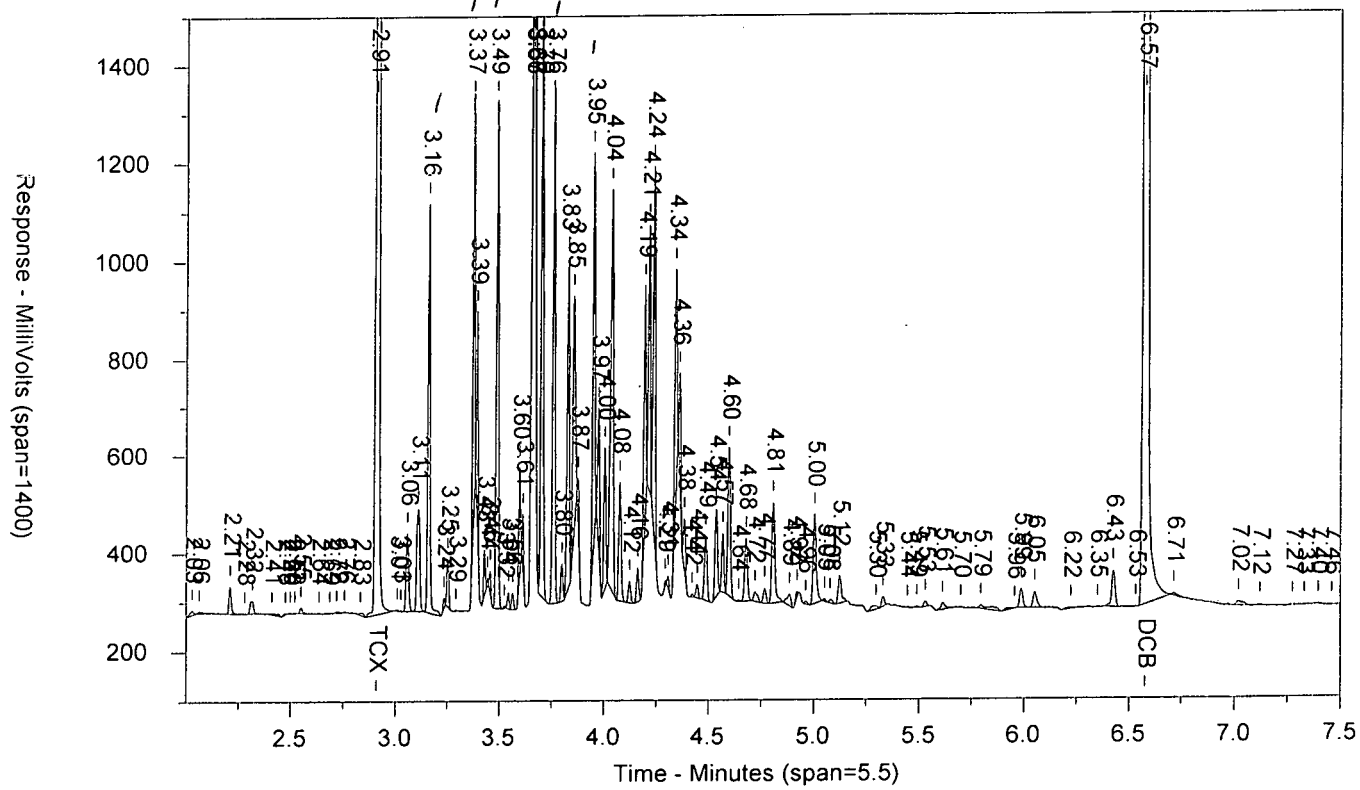

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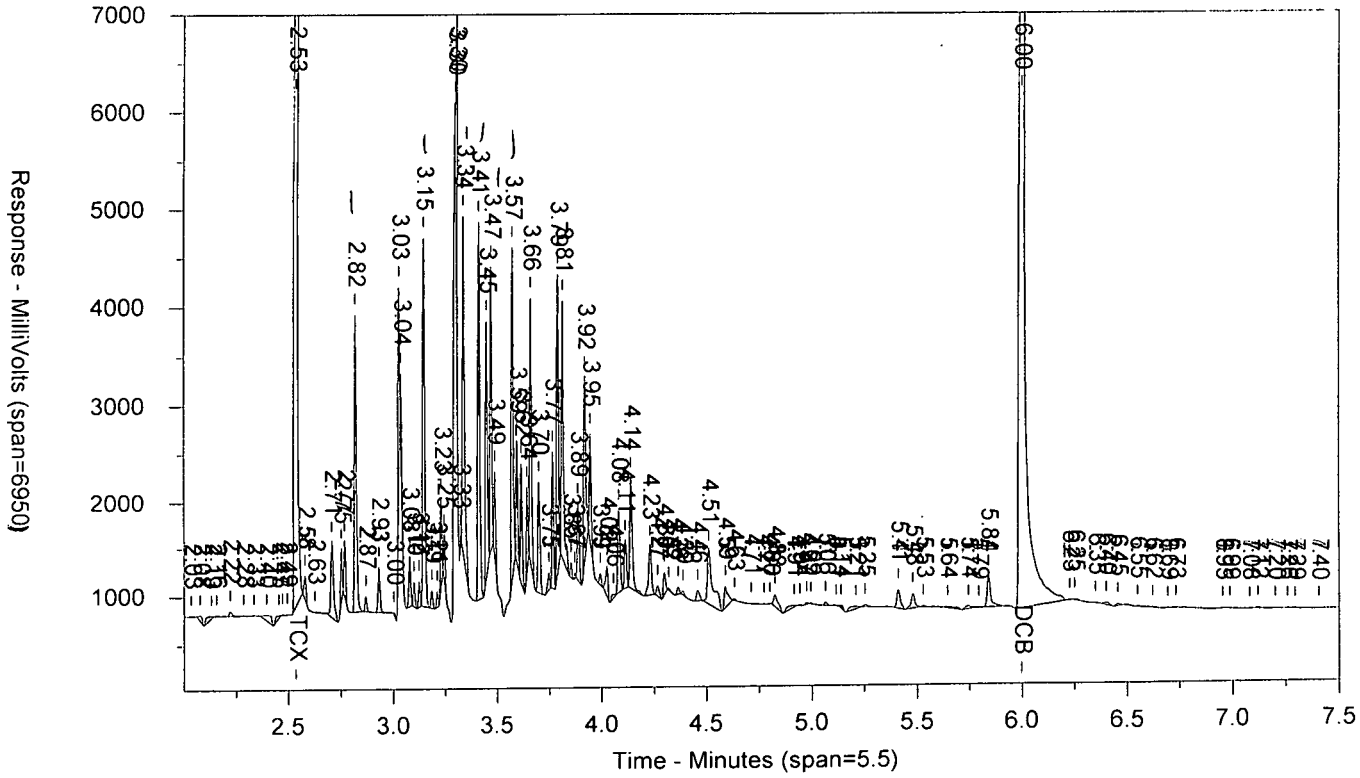

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:21:24 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	14144620	74.119	TCX	2.535	45466100	67.598	TCX
6.574	9187471	71.7	DCB	5.997	33591520	71.381	DCB

Files:
Area File: 20PCBs17275001.029.RAW
Area File: 20PCBs17275001B.029.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 1:30:09 AM
File Reported On: 10/3/2017 at 1:30:18 AM

AR4231724A AAAR423AA ICAL 1727499999 10736 SW-846 8082

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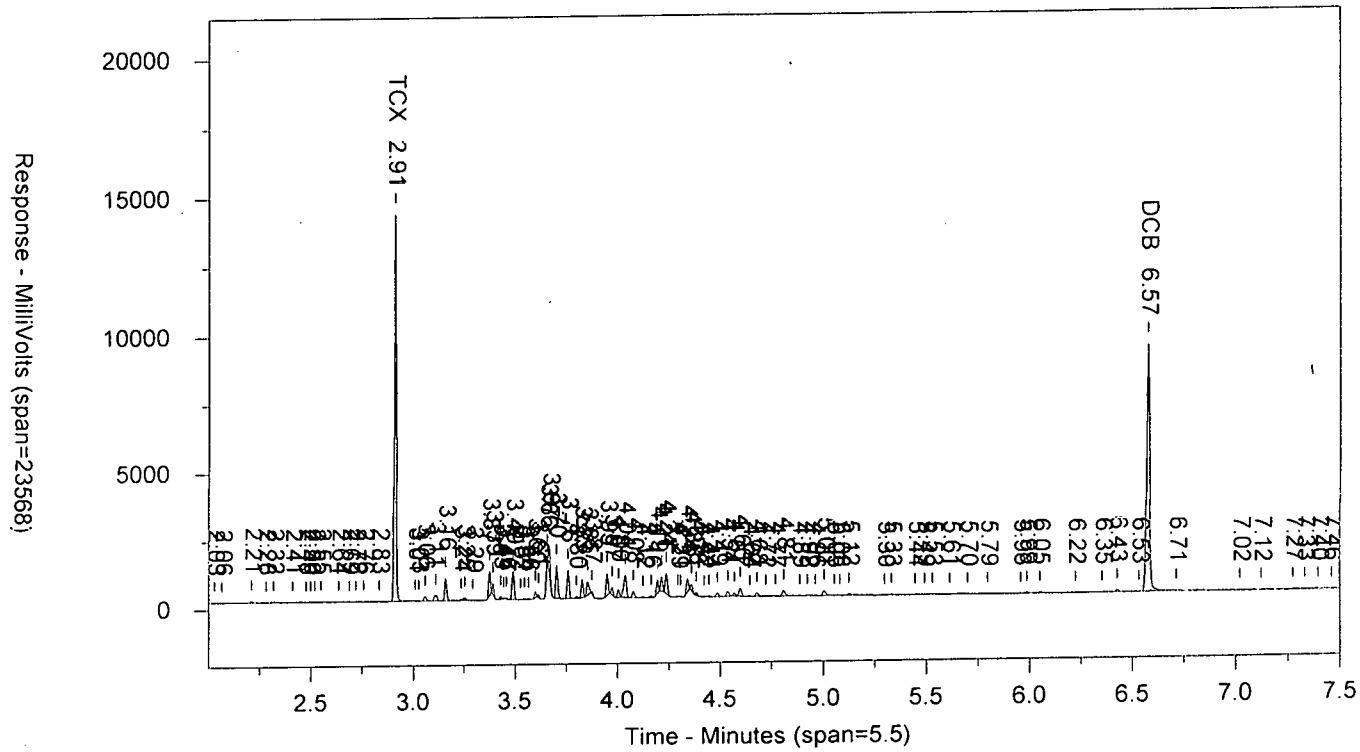

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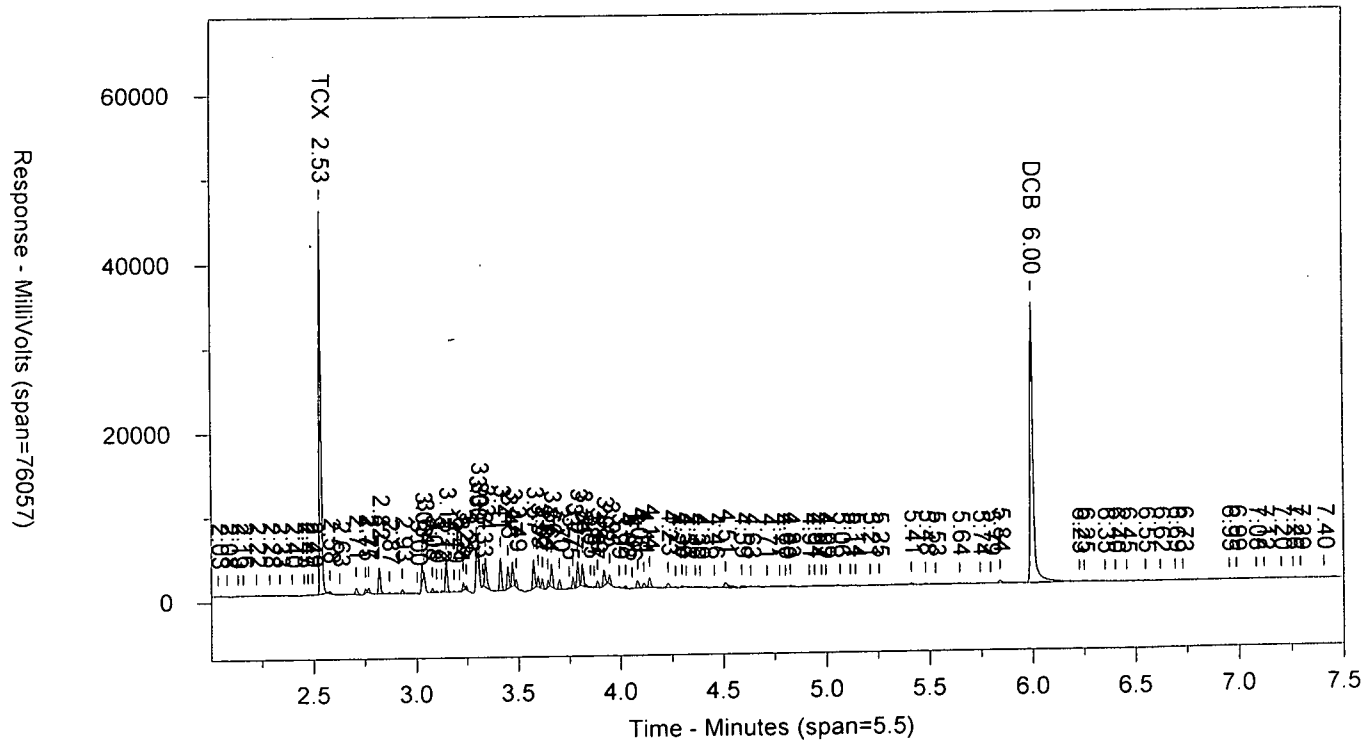

AR4231724A AAAR423AA ICAL 1727499999 10736 SW-846 8082

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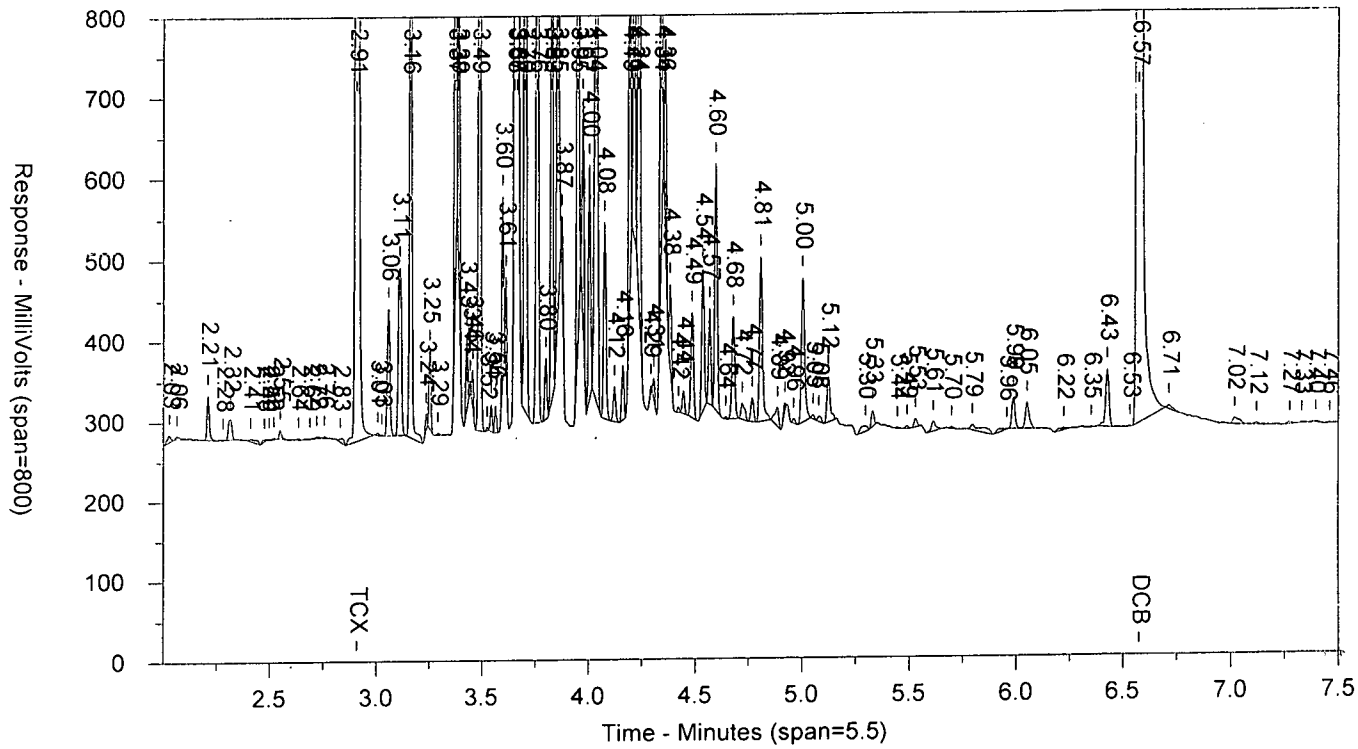

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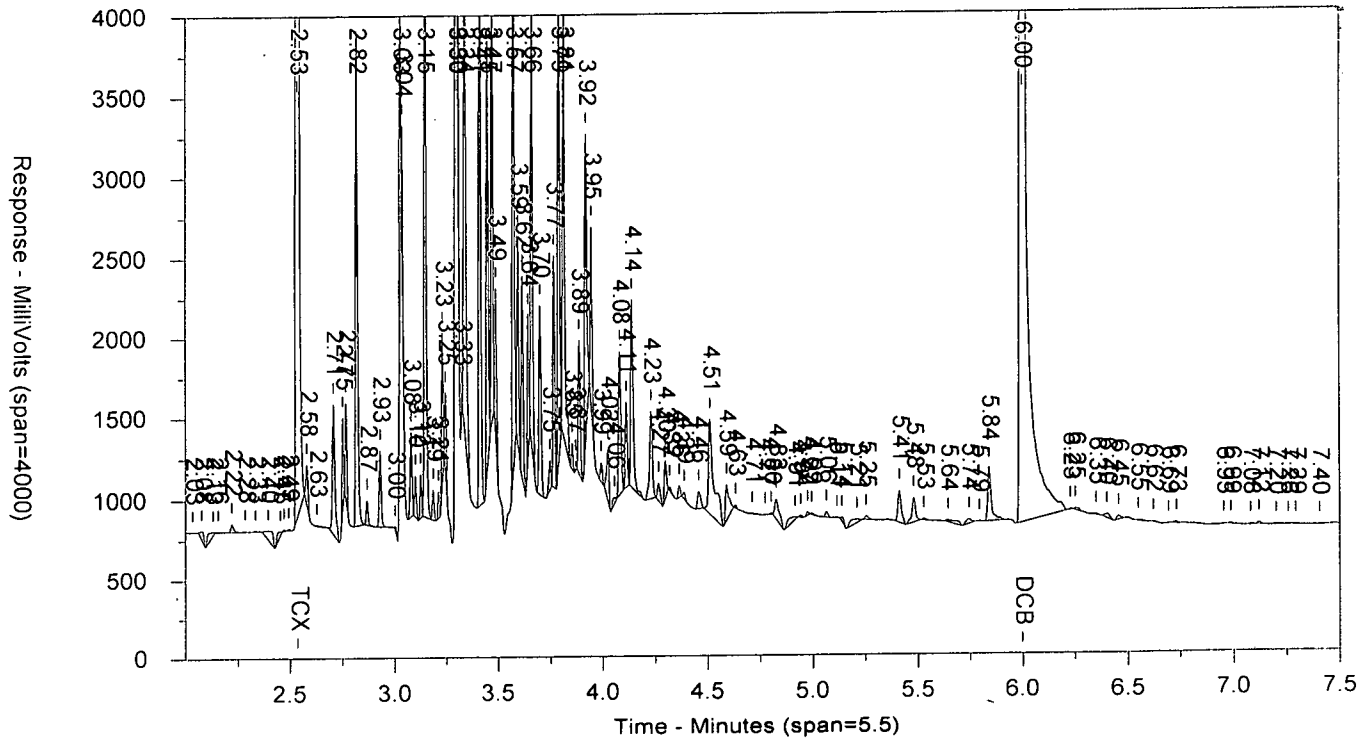

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:32:43 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.030.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.04		2574	7687
2.067		6880	25788
2.159		5028	13697
2.21		47063	35920
2.309		28641	31696
2.47		2260	2471
2.518		2406	1985
2.55		7266	6799
2.758		9735	12485
2.843		3215	4386
2.91	TCX	11459270	7706242
3.008		2669	1410
3.057		102462	90711
3.109		152582	161916
3.161		564712	395126
3.236		17847	9960
3.254		65989	40907
3.294		1836	1422
3.374		604571	359065
3.391		285048	147466
3.428		65979	37284
3.443		11937	4373
3.455		29212	14573
3.489		691915	515013
3.525		3336	1788
3.544		24248	14615
3.563		19377	11501
3.598		152947	83055
3.612		70662	34179
3.655		297560	170143
3.666		609294	311427
3.702		809441	582522
3.759		678914	495346
3.8		54568	37915
3.828		453665	323987
3.854		327578	269409
3.876		78092	42203
3.949		532584	370324
3.973		177085	118508
4.004		190239	135435
4.037		502911	476764
4.077		164753	126311
4.123		19285	16371
4.162		26299	20065
4.195		165726	111437
4.215		130422	77728
4.237		116016	85711
4.295		1223	670
4.305		2677	1823
4.34		40515	48312
4.381		2709	1917
4.486		1558	1239
4.533		2309	1762
4.571		1526	1720

RT A	Compound A	Height A	Area A
4.597		2242	2018
4.808		1493	1203
4.843		1957	1719
4.932		1760	3116
5.004		1567	2998
5.082		3369	3363
5.331		688	3921
5.387		2736	4069
5.49		2978	7459
5.614		7169	7385
5.797		1653	2248
5.961		721	3230
5.987		36133	38727
6.051		30796	33543
6.273		1002	636
6.304		1036	1256
6.427		60909	68063
6.533		1166	925
6.573	DCB	7274040	8011490
7.019		4557	6260
8.514		7141	31615

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:32:43 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.030.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.039		2186	1846
2.078		27343	39489
2.113		10486	15858
2.131		2690	1915
2.161		5566	7447
2.222		31725	29913
2.312		2574	2134
2.334		6129	4554
2.45		13764	19388
2.472		42073	26637
2.494		6228	3425
2.535	TCX	38171420	23790210
2.579		164625	103540
2.707		534851	402414
2.752		479899	250804
2.768		395770	209339
2.82		2151814	1422394
2.868		132837	78074
2.93		332970	219507
3.005		4915	1779
3.026		1627480	824761
3.037		475362	191167
3.078		371553	226415
3.098		176891	101538
3.124		184779	101475
3.147		2701928	1866372
3.184		107399	61838
3.211		144145	73614
3.231		666296	348628
3.246		364617	176204
3.296		1020477	512460
3.305		2025262	880262
3.325		90423	32819
3.338		2318800	1646910
3.412		2659786	1718612
3.448		1765377	1161937
3.471		1976228	1108140
3.488		641525	331164
3.573		2288307	1548330
3.595		903617	479774
3.616		858703	516288
3.644		569784	289123
3.661		1708588	1048658
3.7		760195	530639
3.747		68155	59824
3.767		416906	247613
3.79		925260	607347
3.813		359382	207994
3.832		78247	41481
3.852		21946	10403
3.887		46395	29449
3.92		32401	17819
3.932		67746	42772
4.056		11748	16393

RT B	Compound B	Height B	Area B
4.081		7429	5482
4.141		7640	8224
4.23		9604	50225
4.335		15056	28172
4.365		4586	4950
4.462		4450	5504
4.513		4913	5163
4.558		21384	18759
4.628		7427	33498
4.802		3968	3857
4.927		1325	9818
4.944		10024	9719
5.066		30667	42578
5.212		4796	13913
5.26		5698	7318
5.412		155723	165179
5.481		123174	128551
5.532		8708	8738
5.793		3012	2619
5.841		229533	317411
5.997	DCB	25968720	30129120
6.457		16293	38869
7.498		2776	4098
7.624		3171	4234
7.694		2246	2577
7.799		2340	1821
8.006		20719	41642
8.202		2424	2394

AR16XX1724B AAAR16XAA ICAL 1727499999 10736 SW-846 8082

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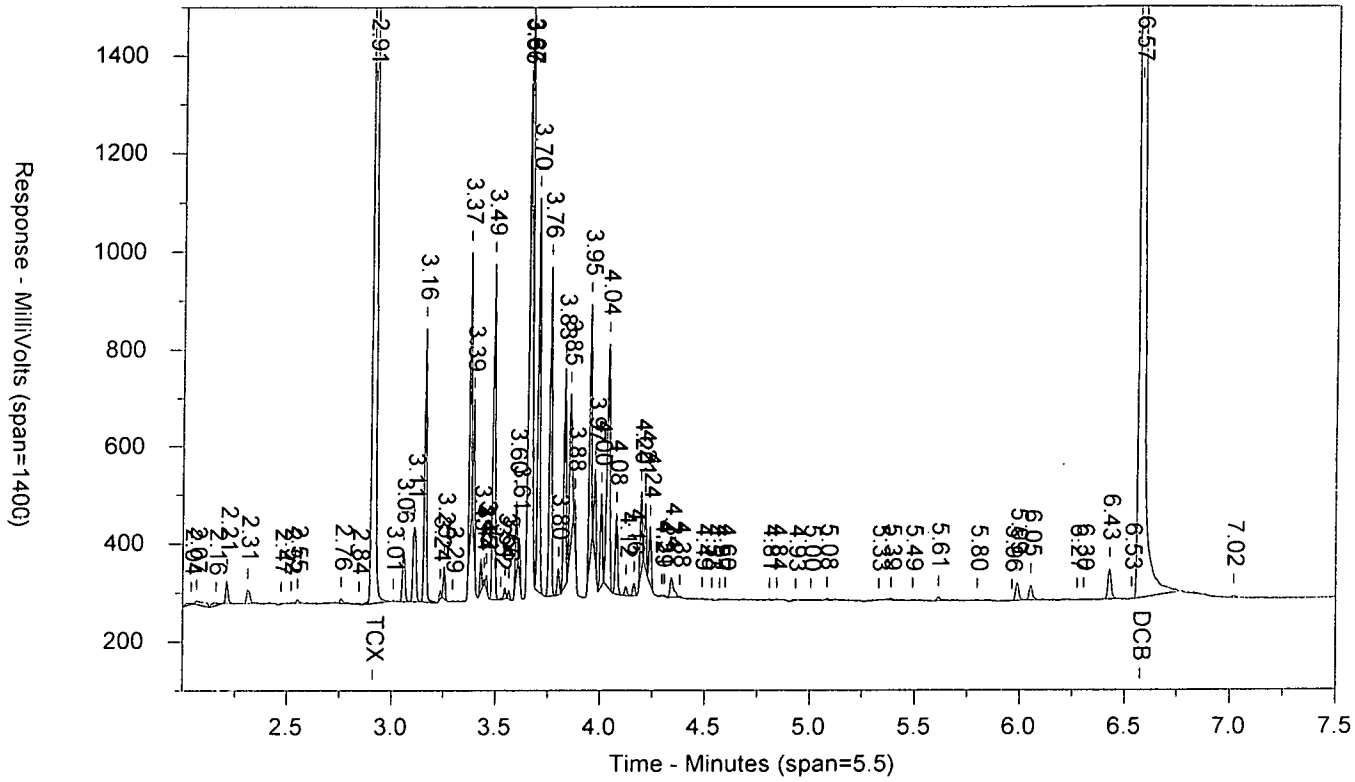

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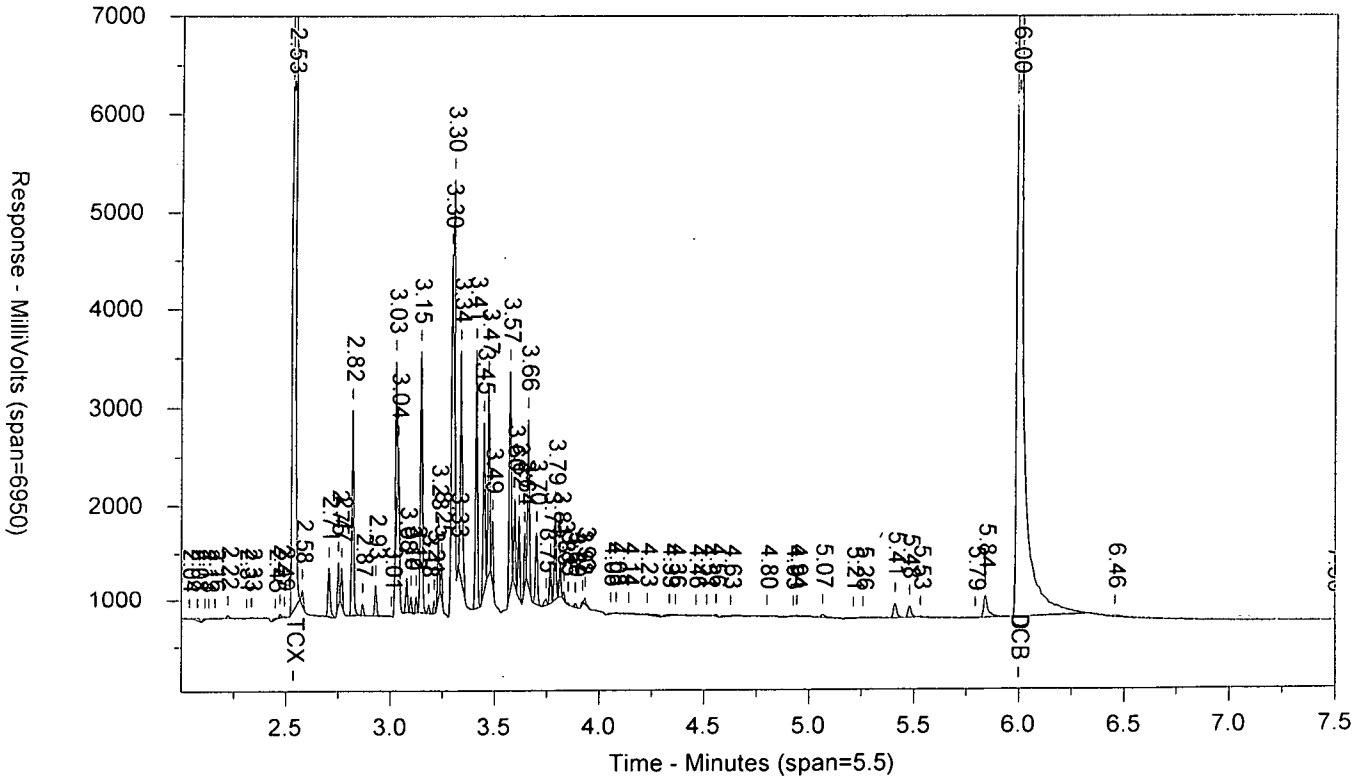

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:32:43 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	11459270	60.048	TCX	2.535	38171420	56.752	TCX
6.573	7274040	56.767	DCB	5.997	25968720	55.183	DCB

Files:
Area File: 20PCBs17275001.030.RAW
Area File: 20PCBs17275001B.030.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 1:41:26 AM
File Reported On: 10/3/2017 at 1:41:32 AM

AR16XX1724B AAAR16XAA ICAL 1727499999 10736 SW-846 8082

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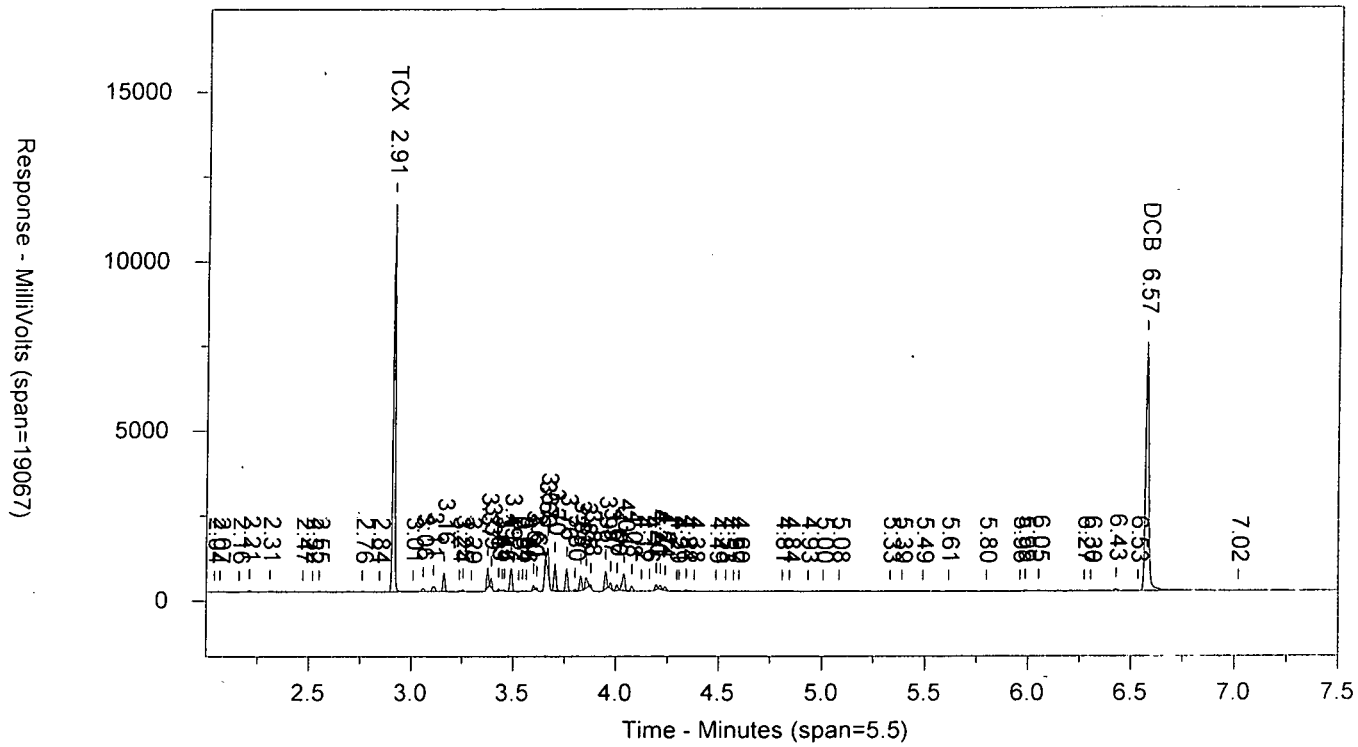

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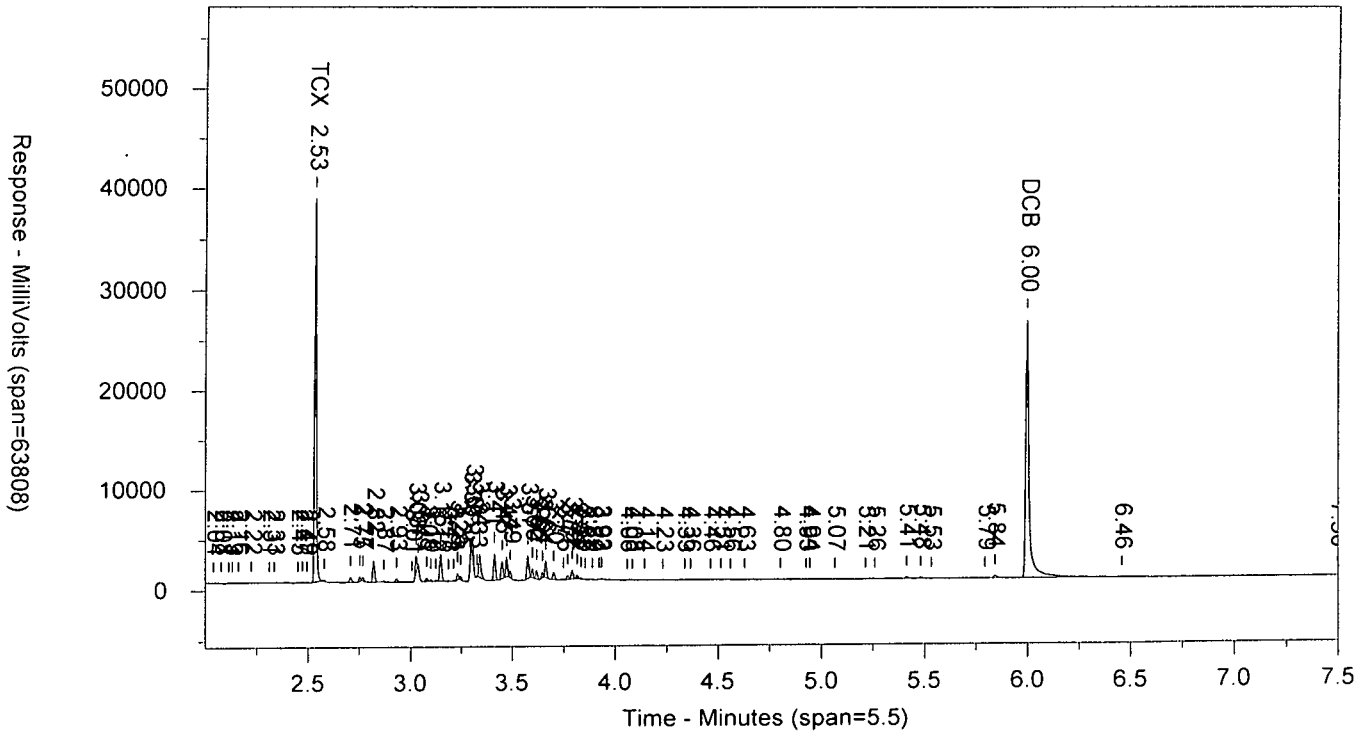

AR16XX1724B AAAR16XAA ICAL 1727499999 10736 SW-846 8082

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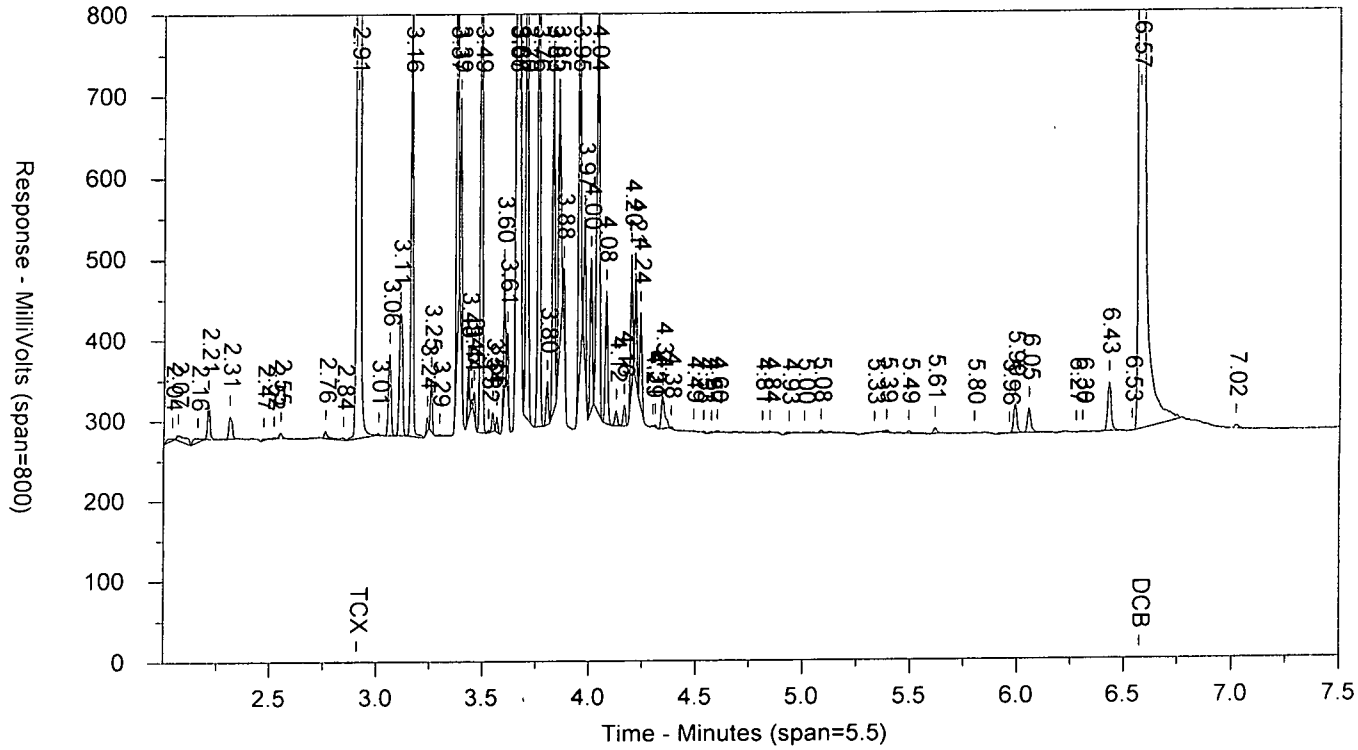

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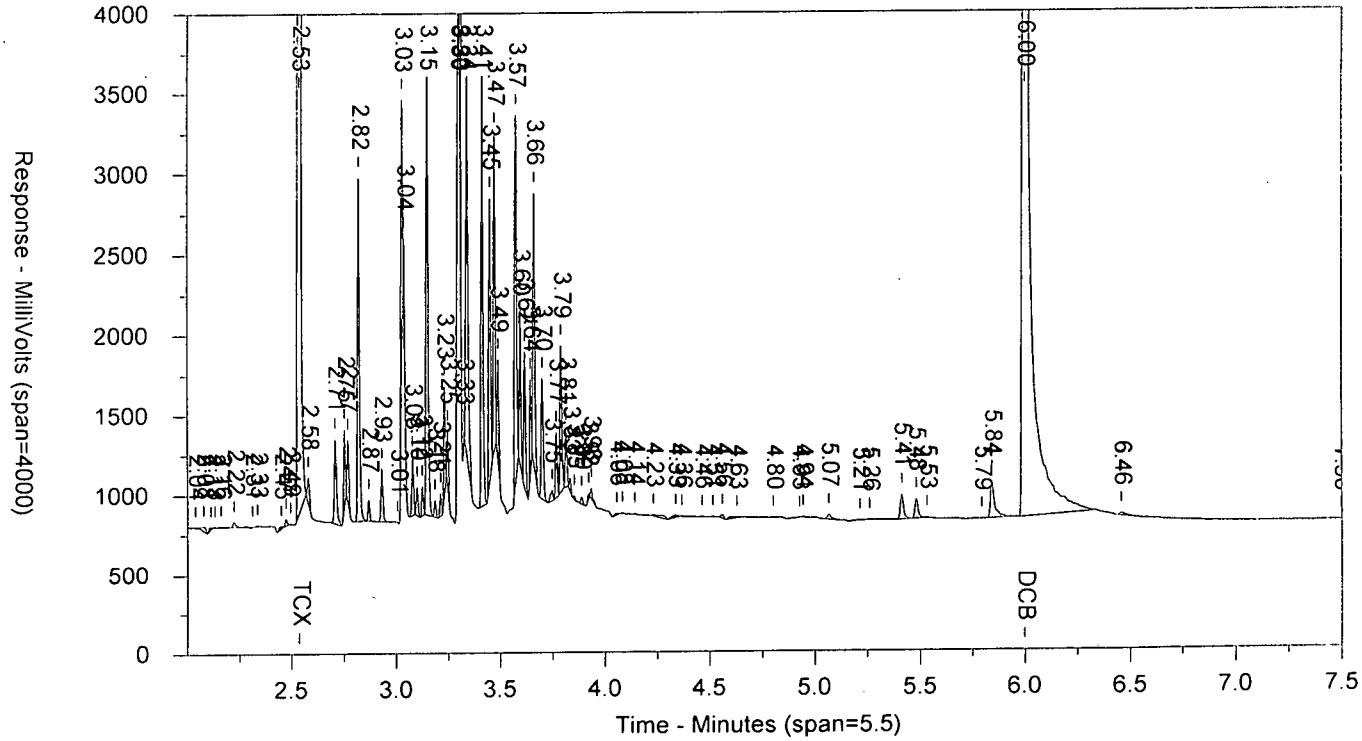

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:44:16 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.031.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.035		2670	6374
2.066		7845	48910
2.154		11129	23724
2.309		25750	17661
2.417		1589	3909
2.493		1543	4007
2.516		1325	1148
2.57		1199	674
2.636		1069	581
2.715		449	1750
2.758		7442	7230
2.807		2618	3283
2.848		2516	3688
2.909	TCX	74975	59374
3.058		3053	2924
3.115		3787	2877
3.161		16705	11882
3.255		3210	4553
3.375		18694	10809
3.392		8251	4221
3.428		1841	1019
3.489		21353	17068
3.6		4069	2371
3.657		9391	6116
3.668		16285	8015
3.704		23226	16922
3.761		19343	14836
3.804		1491	939
3.829		14705	10456
3.855		10556	8545
3.952		15912	10942
3.975		5400	3221
4.005		5555	3785
4.039		14430	13769
4.078		4189	3679
4.142		2669	3231
4.197		15488	11016
4.215		2839	1740
4.243		3659	3600
4.307		2062	1791
4.351		14195	13890
4.485		1273	1403
4.538		2112	1365
4.555		3303	2195
4.6		7488	7422
4.647		13743	15681
4.683		2880	2026
4.723		33575	32587
4.81		3271	3939
4.87		5514	5823
4.921		32485	44948
4.97		7314	6218
5.012		13236	16607
5.092		2782	3047

RT A	Compound A	Height A	Area A
5.126		36758	44969
5.192		20078	20214
5.235		12258	12697
5.287		892	830
5.33		4018	3120
5.355		21563	21689
5.411		9416	8497
5.451		5114	5286
5.537		5710	7321
5.593		45884	65346
5.8		29355	30980
5.852		9860	16743
6.071		5683	6551
6.229		13884	15768
6.429		3840	4179
6.578	DCB	55626	63527
7.501		734	666
8.091		432	796
8.47		563	1234
8.523		6812	15472

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:44:16 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.031.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.037		1857	1619
2.078		16205	16732
2.113		8430	11456
2.156		4834	4856
2.2		1862	2239
2.217		2853	2753
2.278		6462	7852
2.333		5917	11363
2.444		11090	9722
2.471		33202	21862
2.534	TCX	330502	210754
2.579		7096	4466
2.707		21344	25931
2.751		8749	7736
2.767		16202	10817
2.819		81686	53654
2.93		9622	5588
3.005		7536	4132
3.027		70913	34663
3.037		23027	8077
3.077		12088	7396
3.099		2673	1123
3.107		2968	1432
3.122		3869	1747
3.148		104295	67704
3.188		4842	3422
3.232		21869	10835
3.248		30486	28242
3.297		40397	21758
3.305		73545	31334
3.339		89585	69682
3.375		4279	2024
3.413		88909	56310
3.449		70747	44664
3.472		74123	42646
3.489		21136	10359
3.574		87190	72000
3.596		29970	16064
3.617		28029	16801
3.645		19450	9615
3.663		54756	32812
3.703		23677	16640
3.767		18136	11217
3.79		86127	58810
3.815		9071	5392
3.854		20292	14946
3.889		56909	40525
3.92		1457	477
3.933		5420	2822
3.979		6804	30804
4.082		18866	36693
4.123		23596	14236
4.155		53950	48397
4.181		19976	19182

RT B	Compound B	Height B	Area B
4.231		128879	118348
4.325		24510	29062
4.367		97845	136618
4.463		96380	121391
4.516		13461	10730
4.556		28677	28777
4.592		65275	64917
4.621		58491	53730
4.659		35915	34167
4.756		13175	15175
4.806		86458	123845
4.879		31769	33458
4.914		15309	13822
4.945		9319	7984
5.002		122975	204404
5.068		6441	4863
5.215		34478	37464
5.263		105531	176438
5.413		4574	6886
5.48		4254	5228
5.535		20857	32931
5.647		37983	74357
5.845		12678	17625
6.001	DCB	218417	305251
6.322		2690	4938
6.681		3314	5390
7.292		2481	2186
7.552		2376	1785
7.683		3369	4542
7.802		1520	2004
8.012		22311	37506
8.512		1988	980
8.561		2364	1624

MD16X1724B AAMD16XAA ICAL 1727499999 10736 SW-846 8082

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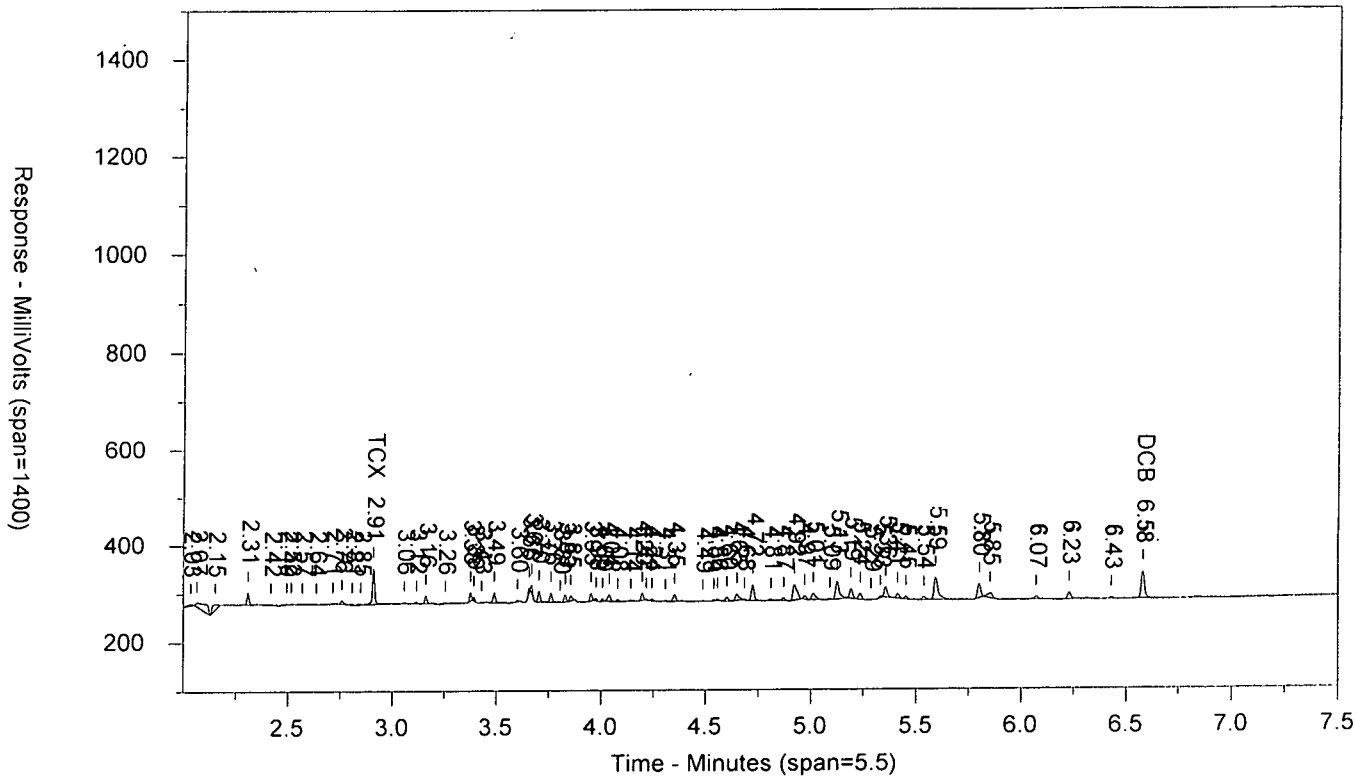

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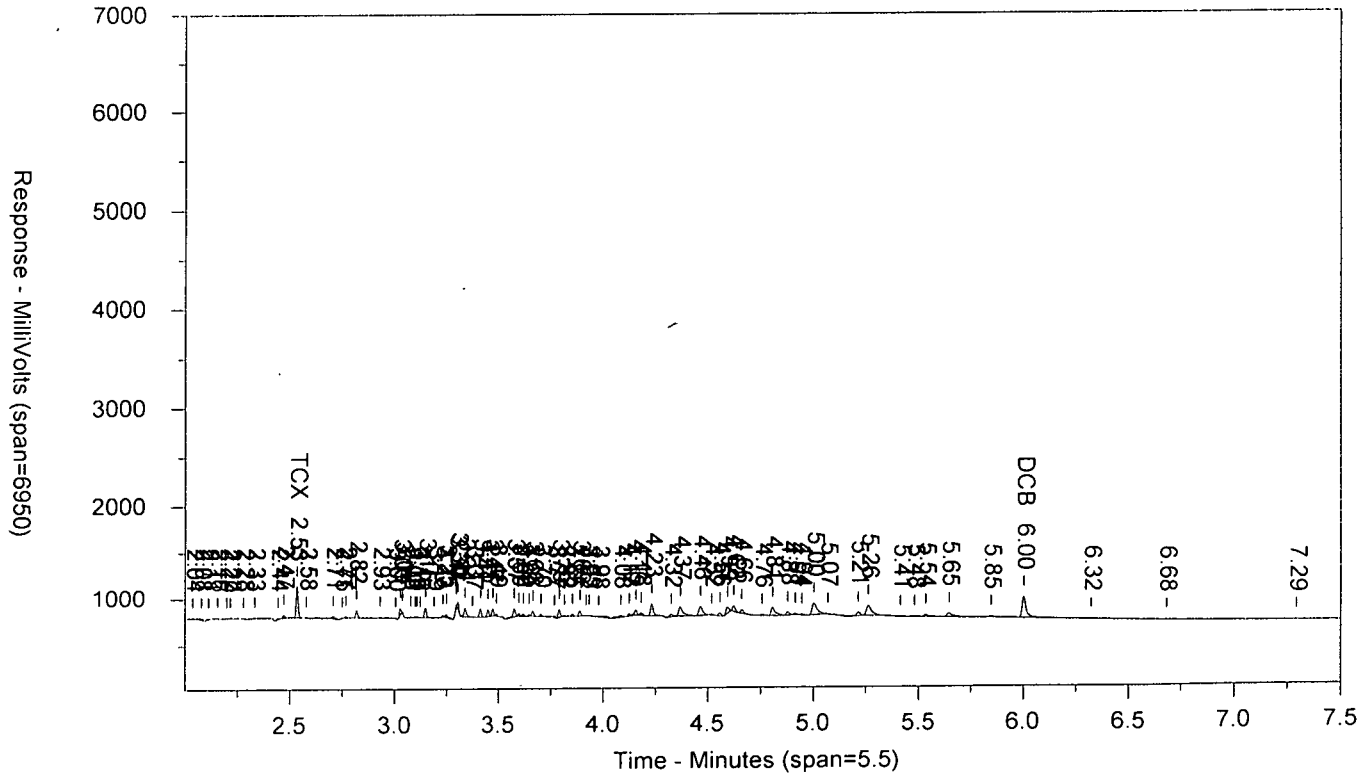

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:44:16 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	74975	.393	TCX	2.534	330502	.491	TCX
6.578	55626	.434	DCB	6.001	218417	.464	DCB

Files:
Area File: 20PCBs17275001.031.RAW
Area File: 20PCBs17275001B.031.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 1:53:01 AM
File Reported On: 10/3/2017 at 1:53:17 AM

MD16X1724B AAMD16XAA ICAL 1727499999 10736 SW-846 8082

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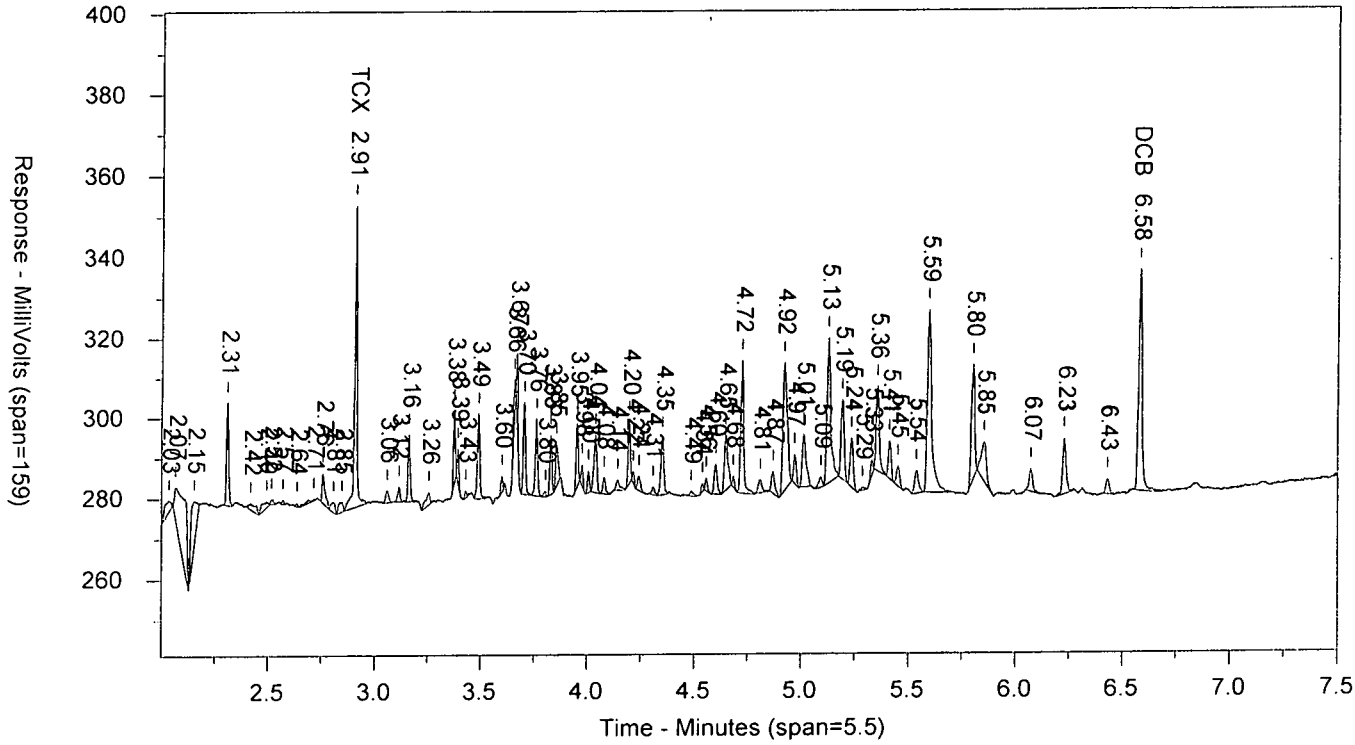

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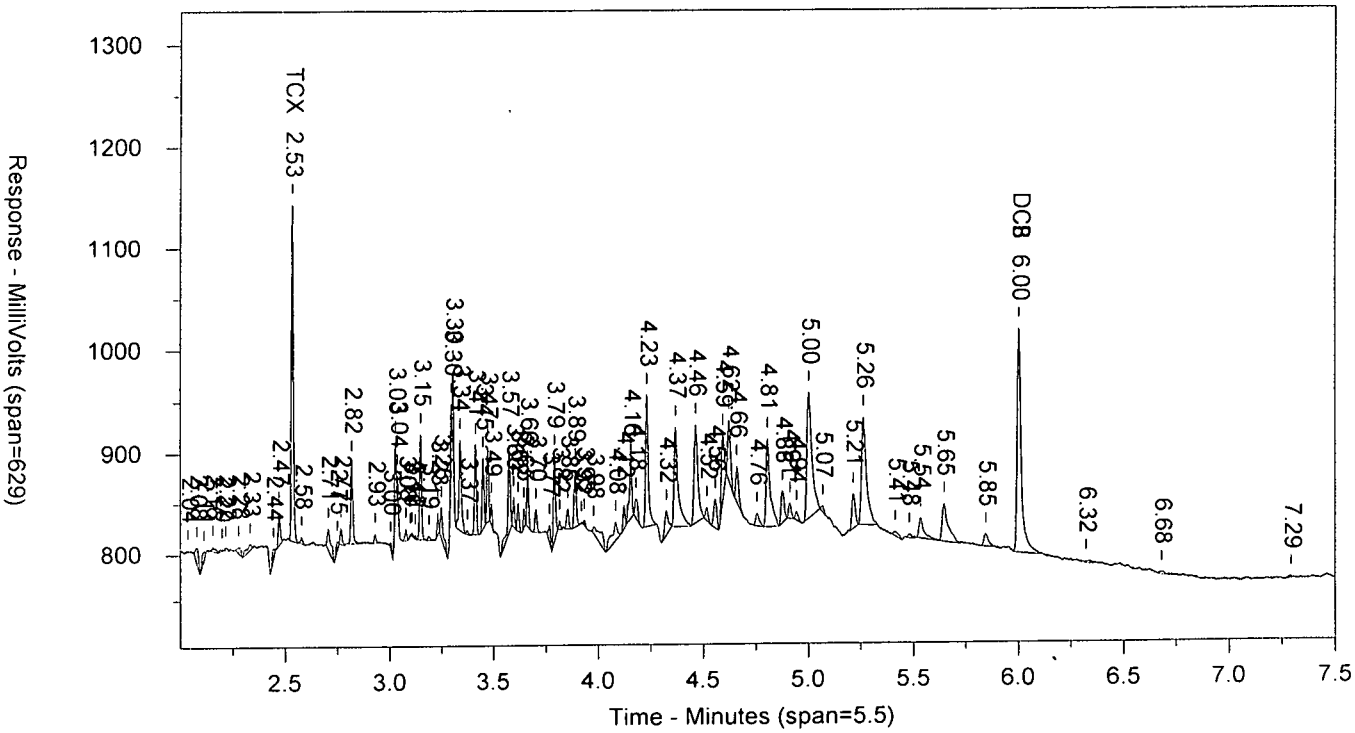

MD16X1724B AAMD16XAA ICAL 1727499999 10736 SW-846 8082

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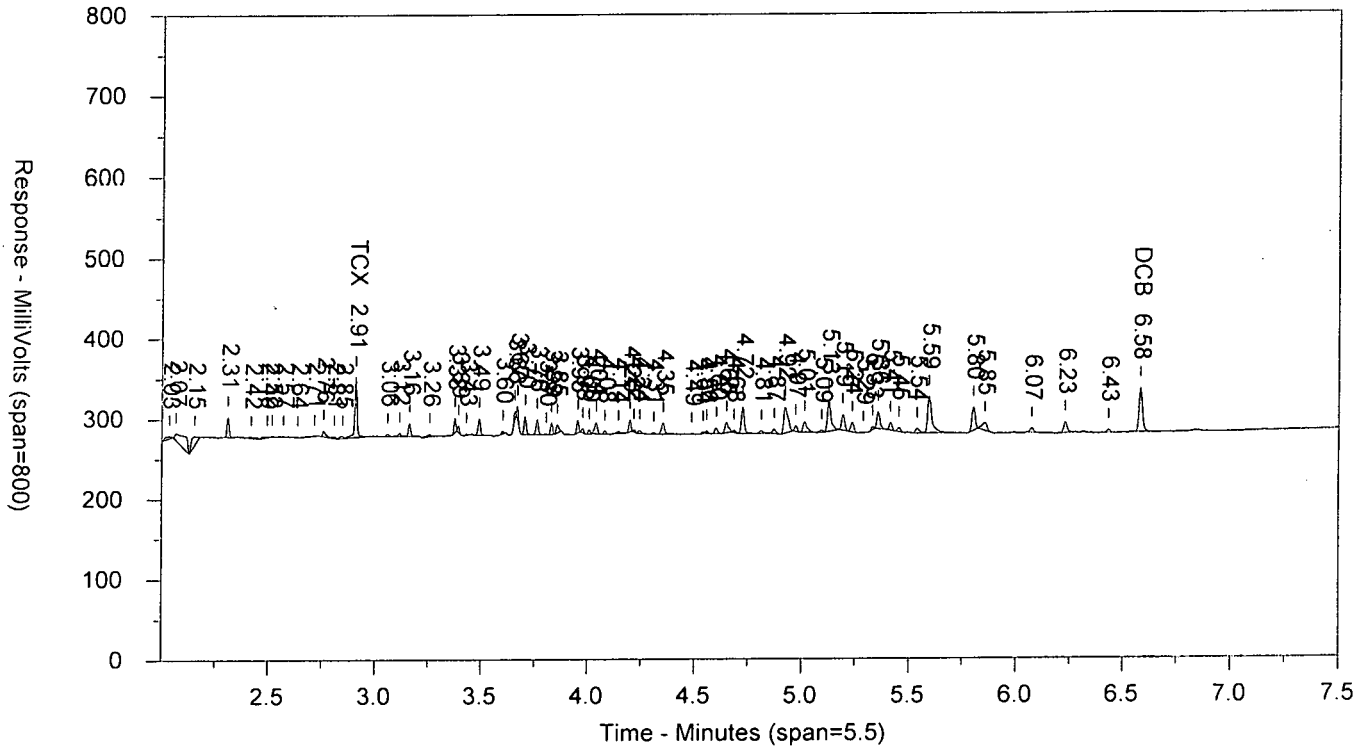

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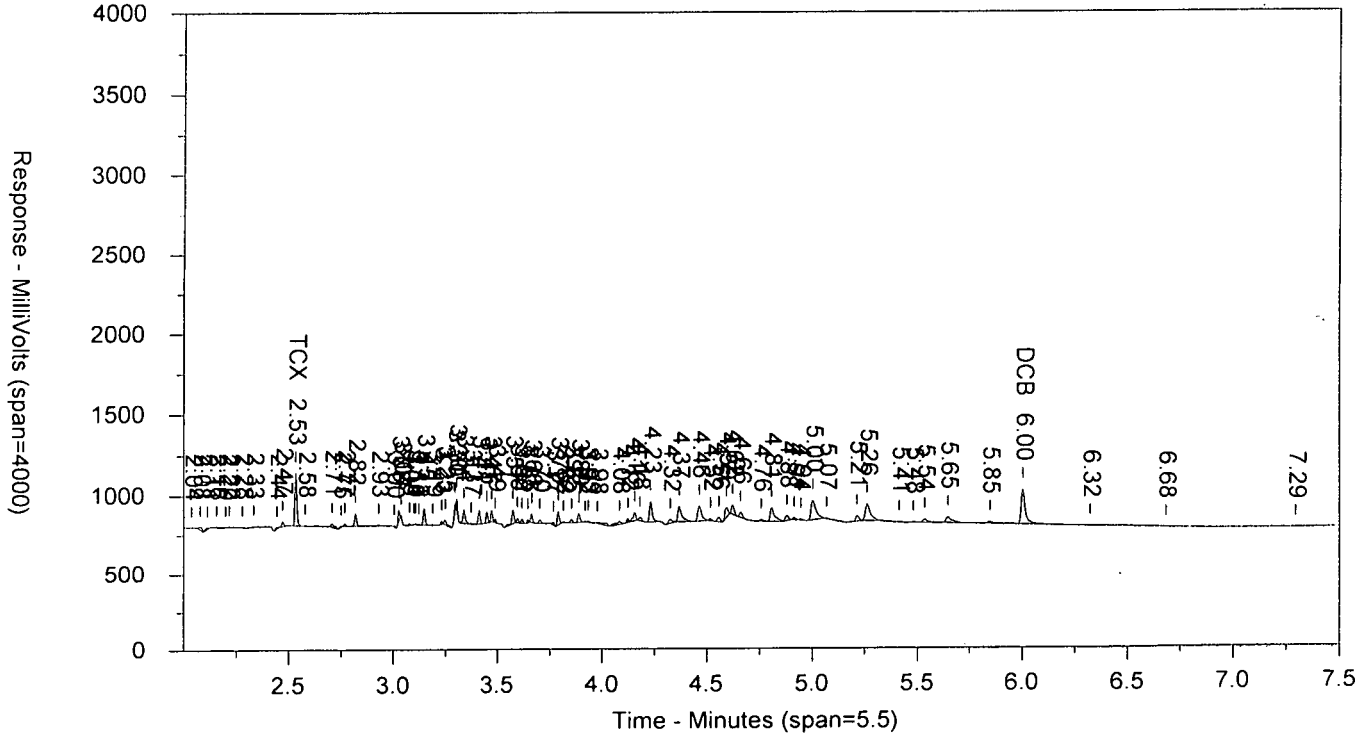

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:55:37 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.032.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.032		3429	7732
2.071		6647	14243
2.21		33649	25745
2.281		1761	1677
2.309		31568	30408
2.409		1878	6680
2.494		1841	5411
2.519		1791	1443
2.55		8340	8274
2.635		1207	716
2.758		18862	17103
2.847		7637	14392
2.91	TCX	7939045	5255397
3.009		2011	1249
3.058		109630	97113
3.112		143554	139572
3.16		602034	421409
3.236		11951	6282
3.254		75689	48030
3.297		1928	2030
3.375		659156	391184
3.392		306792	160795
3.428		71409	41457
3.444		13315	5035
3.455		28603	14362
3.489		772271	570574
3.526		3054	1644
3.545		14598	8643
3.564		22508	13761
3.598		158634	91006
3.613		73676	36289
3.657		362876	213069
3.667		773739	364383
3.704		891713	643603
3.76		744232	550132
3.8		59464	43090
3.828		530407	378651
3.855		378063	309288
3.876		78719	42249
3.95		591994	405613
3.974		199668	126687
4.005		195525	136708
4.038		446434	435161
4.078		131796	101048
4.123		10332	9560
4.162		14969	10788
4.196		470640	442784
4.238		66095	50395
4.307		68122	56287
4.35		497503	452274
4.383		10946	7123
4.445		3111	2319
4.485		35352	32495
4.536		41473	25245

RT A	Compound A	Height A	Area A
4.553		130626	101004
4.597		276222	244212
4.646		531483	579997
4.683		105338	73480
4.721		1211327	1118469
4.807		128525	137238
4.839		8561	5207
4.867		197826	186911
4.919		1302927	1632585
4.969		270312	247314
5.009		580096	696536
5.09		106510	122887
5.124		1541973	1715274
5.19		846434	764565
5.233		464282	462659
5.328		161717	130444
5.353		875117	809829
5.41		445325	416229
5.448		239622	233219
5.491		38616	39442
5.534		235371	268710
5.59		1982985	2377250
5.796		1278787	1242974
5.851		350921	581101
5.987		67258	70498
6.067		241312	353607
6.223		510938	559383
6.269		23560	21038
6.425		234383	254389
6.574	DCB	5139999	5482890
7.019		3513	5250
7.877		1428	2726
8.517		6733	16355

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:55:37 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.032.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.037		2367	1462
2.079		29946	39003
2.111		15906	16592
2.163		5296	6515
2.222		34402	34100
2.282		5071	4416
2.333		5678	4030
2.471		136498	271078
2.535	TCX	26074680	16243400
2.579		196401	131501
2.707		548850	435344
2.753		324854	169764
2.768		428579	234417
2.82		2268686	1507281
2.868		94006	54614
2.93		365400	242683
3.003		6620	3844
3.027		1806059	896380
3.038		646899	253250
3.078		406271	248271
3.098		198119	115093
3.124		190055	104561
3.148		2974620	2050786
3.185		121052	70570
3.211		84447	42134
3.231		711704	387910
3.246		395448	188440
3.296		928071	523791
3.305		2395869	1051730
3.325		113061	38381
3.338		2579683	1810725
3.412		2957668	1906432
3.449		2041107	1341379
3.471		2268515	1267287
3.489		736361	371162
3.574		2497353	1703471
3.596		945551	511530
3.617		890685	529147
3.645		623318	319576
3.662		1585982	963383
3.701		622913	427563
3.747		51731	45433
3.768		211739	119552
3.789		1936874	1322490
3.814		213250	120251
3.832		43609	20610
3.853		304718	200331
3.888		1853309	1375232
3.92		61310	31513
3.933		103656	61990
3.978		5554	2363
3.993		9854	5994
4.025		101387	97658
4.056		11966	14167

RT B	Compound B	Height B	Area B
4.082		468630	350899
4.122		724378	465104
4.141		189334	121069
4.154		1590424	961652
4.178		819496	841327
4.229		4638504	3708704
4.277		52886	30797
4.298		73700	40301
4.322		888366	744034
4.364		4327565	4234388
4.462		3730277	4276148
4.513		525215	414750
4.553		1135933	1003303
4.587		3575068	3200742
4.619		2487342	1943455
4.657		1700463	1438677
4.753		645615	594757
4.803		3549590	3848204
4.875		1603593	1514786
4.91		804544	666634
4.941		558018	475290
4.996		5785085	7184326
5.065		253120	202619
5.187		59136	38803
5.211		1536914	1432623
5.258		4053148	6359103
5.411		300121	296345
5.479		218559	288263
5.53		838897	1022894
5.64		1610461	2690410
5.84		854215	1154413
5.998	DCB	17983580	20497100
6.459		12693	29072
6.627		3534	3694
6.9		2595	1212
7.448		2867	5033
8.004		9697	14685
8.306		2394	7476
8.37		1955	884
8.425		2017	823
8.566		2171	4935
8.678		2674	6619

IC16X1724C AAIC16XAA CCAL 1727499999 10736 SW-846 8082

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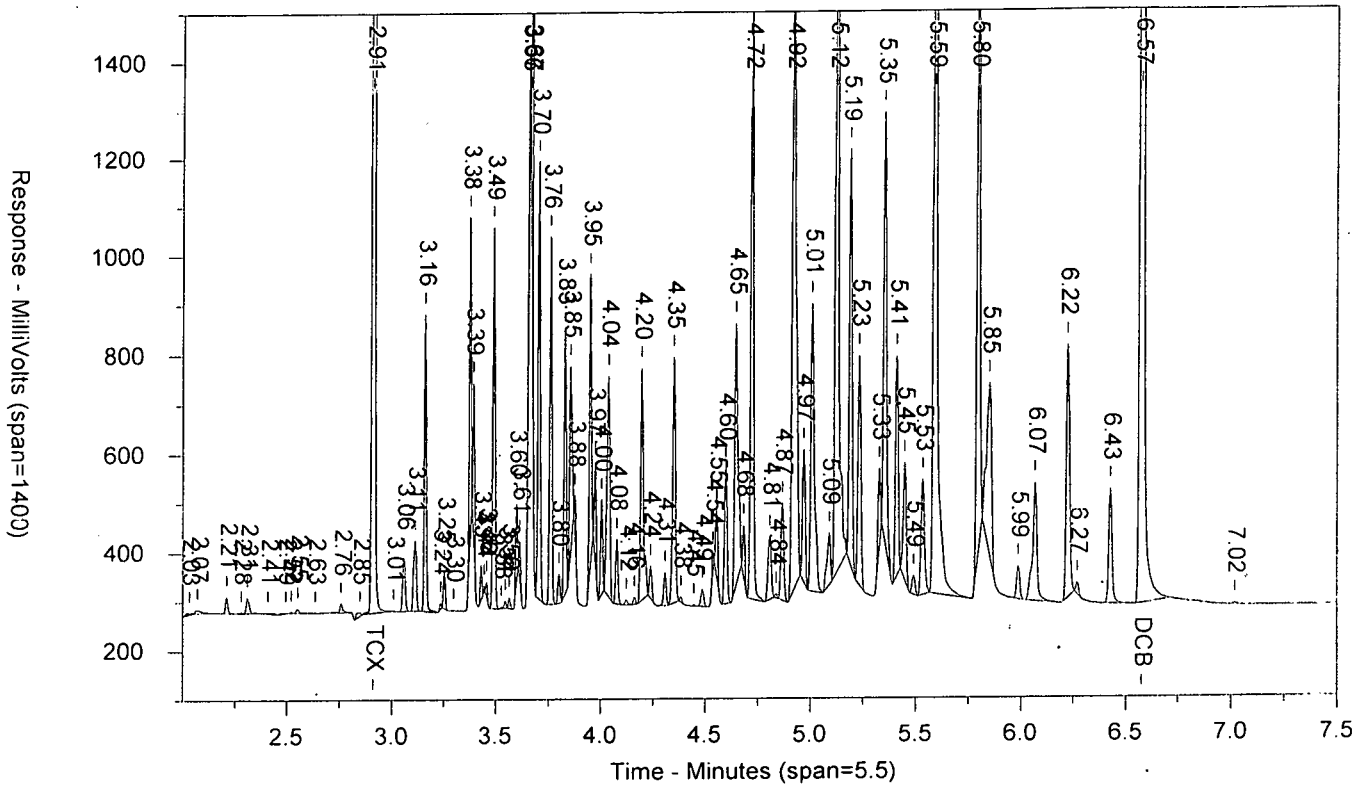

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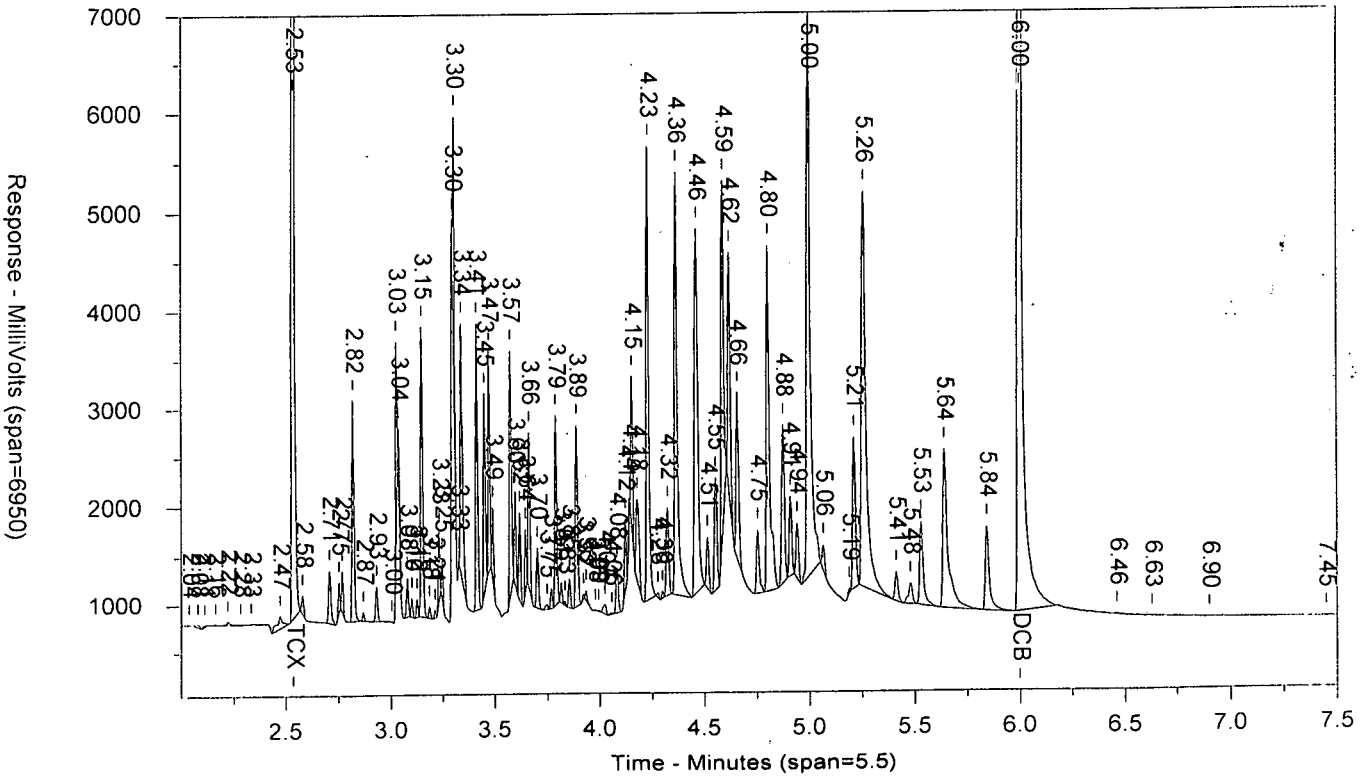

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 1:55:37 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.91	7939045	41.601	TCX	2.535	26074680	38.767	TCX
6.574	5139999	40.113	DCB	5.998	17983580	38.215	DCB

Files:
Area File: 20PCBs17275001.032.RAW
Area File: 20PCBs17275001B.032.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 2:04:23 AM
File Reported On: 10/3/2017 at 2:04:32 AM

IC16X1724C AAIC16XAA CCAL 1727499999 10736 SW-846 8082

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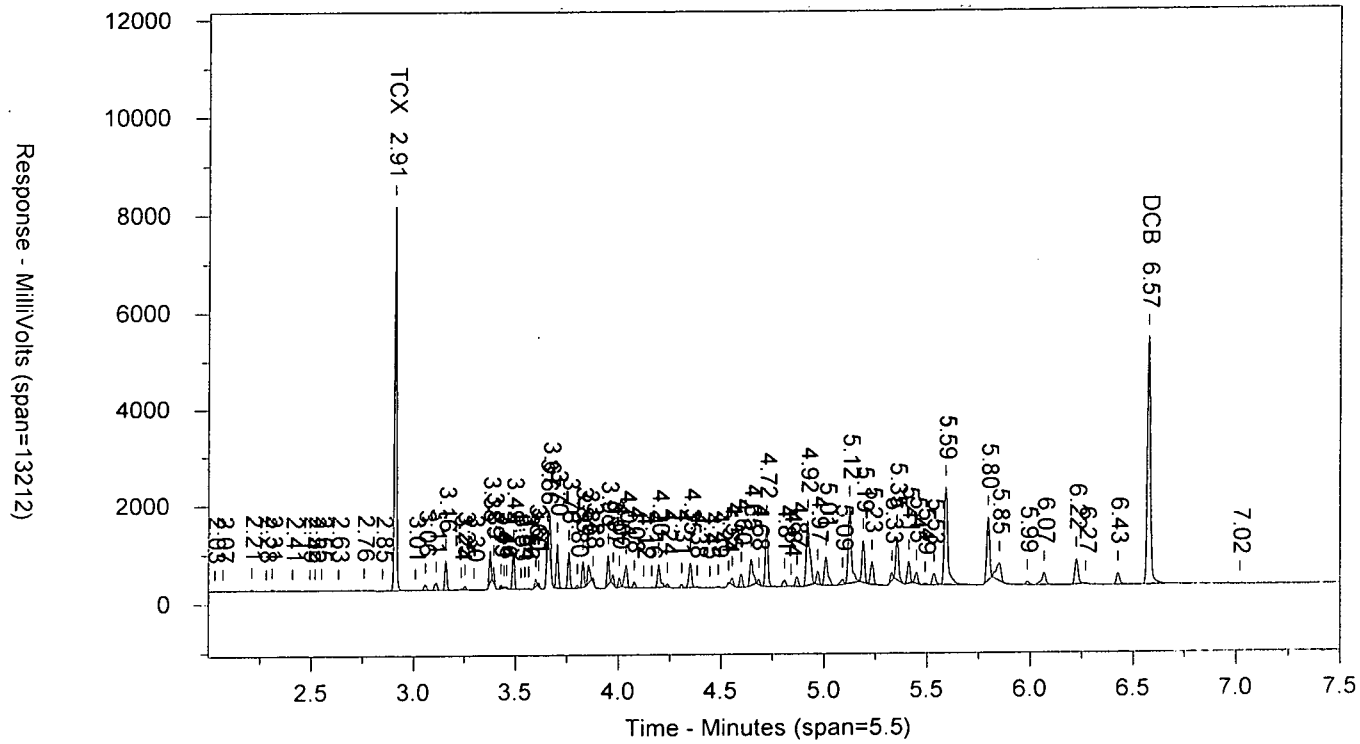

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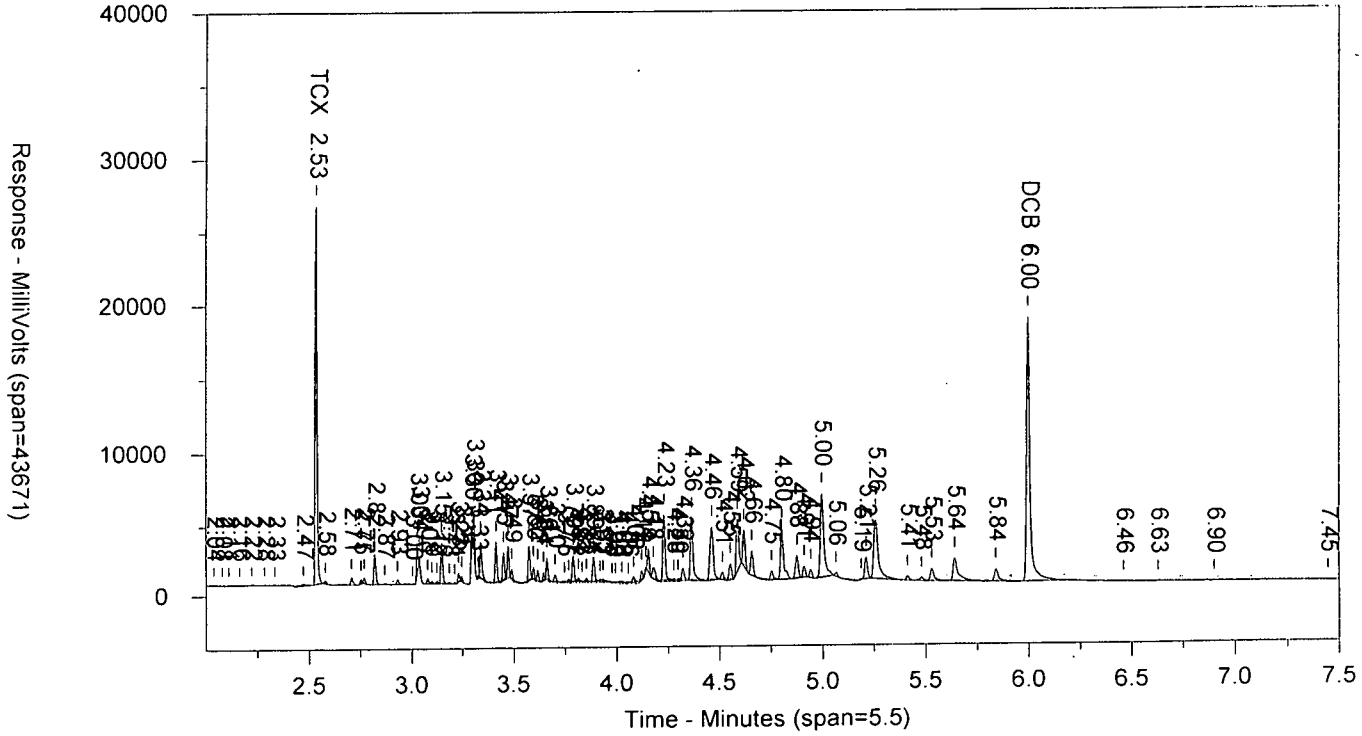

IC16X1724C AAIC16XAA CCAL 1727499999 10736 SW-846 8082

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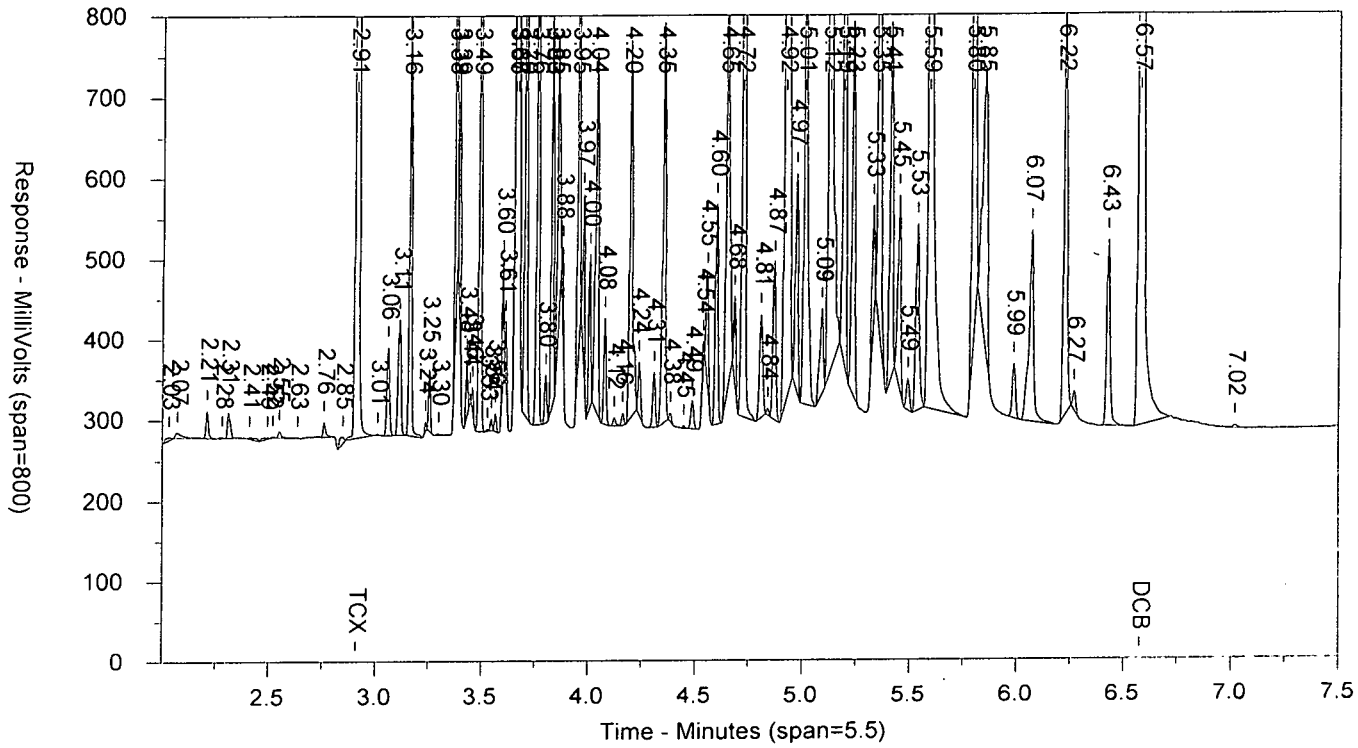

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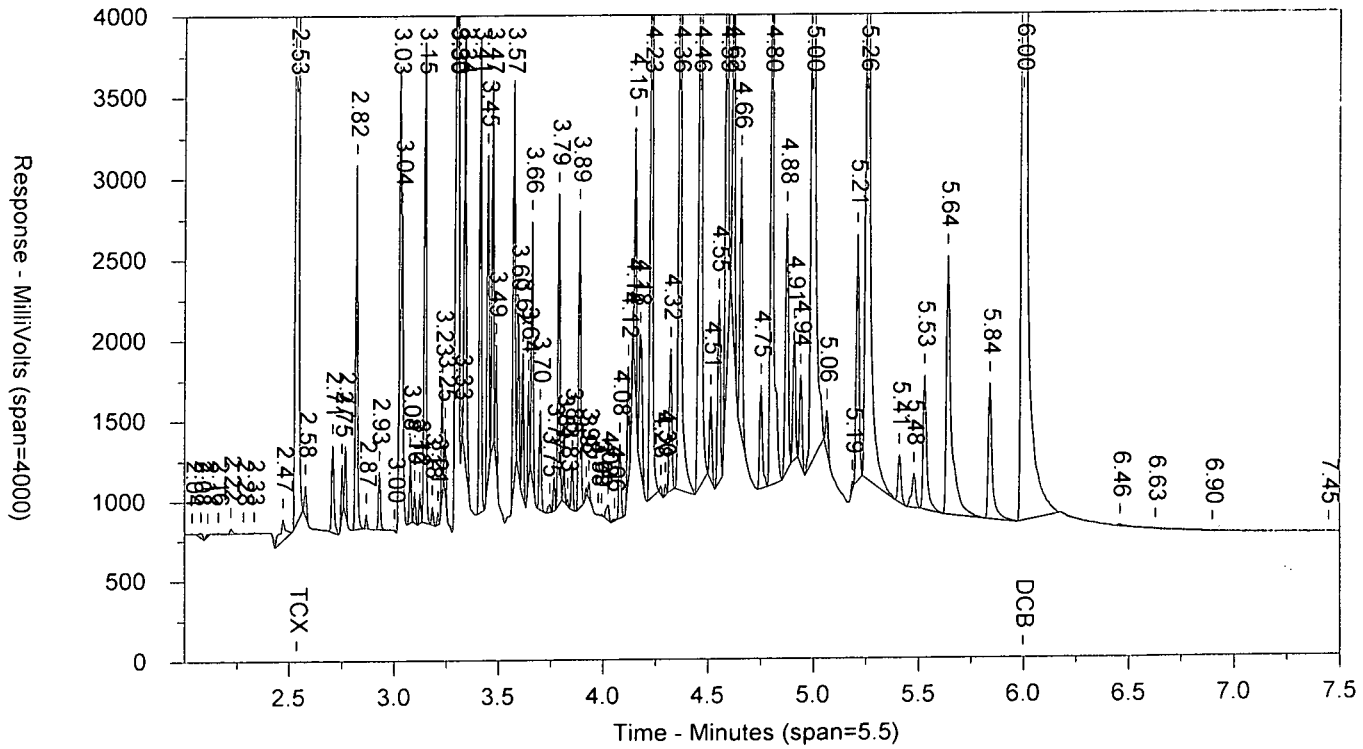


LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 2:07:05 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.033.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.029		2551	5026
2.07		6322	13598
2.21		32279	23785
2.309		34945	31826
2.469		1038	594
2.519		1850	1567
2.551		1390	1019
2.656		988	458
2.758		18365	27126
2.846		3353	5858
2.909	TCX	7509919	5045730
3.006		2162	1566
3.059		28893	25180
3.106		88255	67280
3.161		90368	67547
3.236		13532	7644
3.254		18510	11176
3.375		301812	185024
3.392		87487	44159
3.429		20037	11342
3.445		8828	6245
3.489		287135	211354
3.526		750	378
3.545		15154	8668
3.565		18232	11474
3.598		52513	30765
3.613		14153	6483
3.656		265754	138625
3.666		254793	114051
3.703		366524	279396
3.759		391665	292023
3.8		60808	42714
3.828		714054	518151
3.855		461416	360035
3.877		129965	69378
3.95		824353	579287
3.974		231818	148695
4.004		269105	194312
4.037		677597	591184
4.077		215223	170640
4.124		20263	17203
4.162		65699	50120
4.195		535884	352366
4.215		660083	397484
4.237		708560	530314
4.307		61846	55640
4.342		538914	439045
4.361		106410	56320
4.383		166704	112117
4.422		9568	5719
4.445		37602	27796
4.486		200866	176590
4.537		277861	240794
4.567		158676	119936

RT A	Compound A	Height A	Area A
4.597		487801	422314
4.645		4682	2590
4.679		162170	150938
4.721		33836	40179
4.768		36998	33118
4.809		263745	287275
4.887		21833	27876
4.921		9307	8301
4.932		13454	9270
5.006		232382	265184
5.051		5136	3426
5.076		6457	8357
5.125		74962	79182
5.189		2310	1604
5.234		2834	2843
5.277		1637	2164
5.332		24017	21538
5.49		2093	2136
5.532		12772	18882
5.592		4940	3553
5.614		3142	2347
5.798		9070	9627
5.847		2281	4529
5.988		27963	29357
6.052		27891	29686
6.229		2975	5336
6.428		47920	55571
6.575	DCB	4818492	5328088
7.019		3092	5266
7.943		992	1146
8.519		6536	13289

LANCASTER LABORATORIES

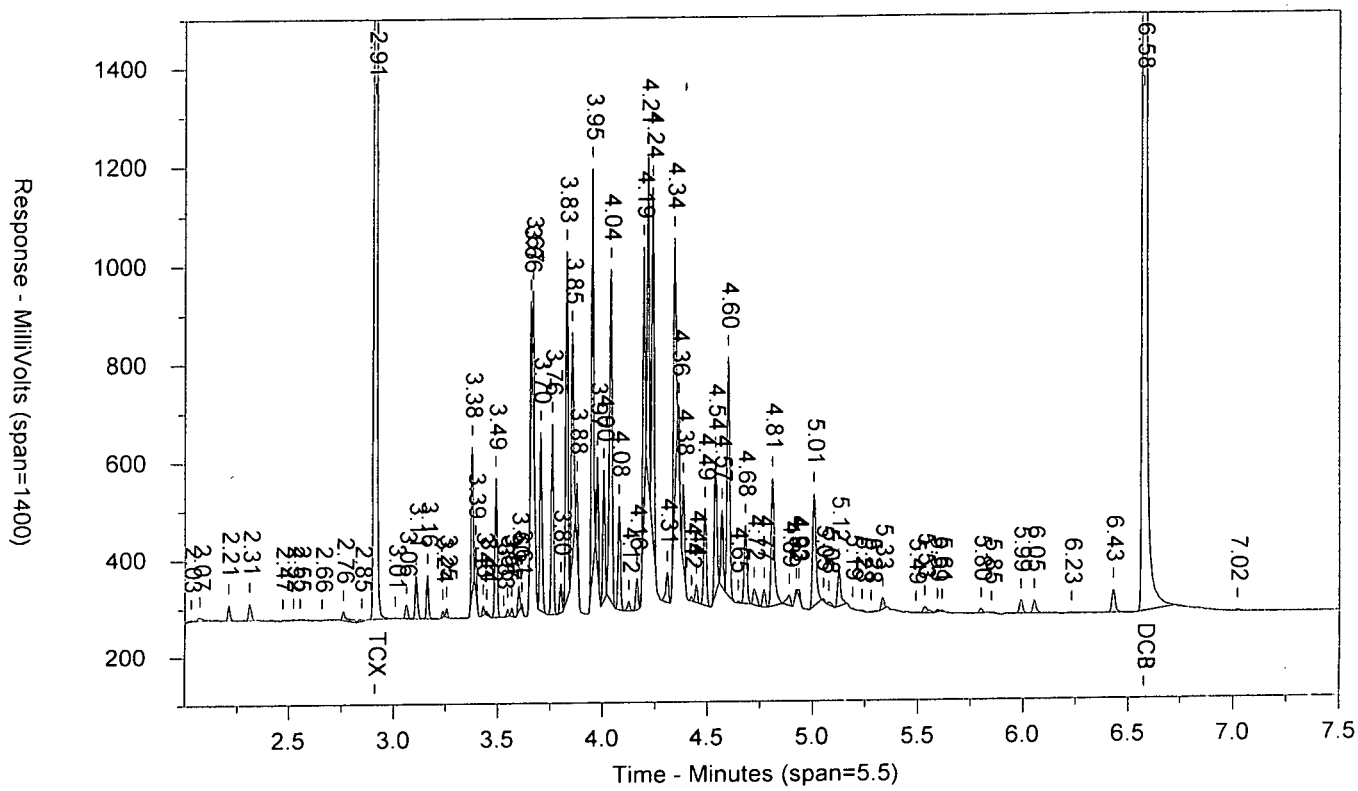
Sample Number: IC48X1724B AAIC48XAA CCAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 2:07:05 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.033.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.08		17777	22829
2.108		9065	7642
2.158		5654	7625
2.225		7501	8754
2.31		1979	1494
2.333		6743	8141
2.387		2778	1896
2.416		14858	11582
2.452		11800	19992
2.471		85810	68412
2.535	TCX	25082870	15953490
2.709		148233	127705
2.752		379195	217543
2.768		27837	11410
2.82		386320	268932
2.868		89290	56039
2.93		97268	63047
3.003		3565	1854
3.027		1398017	1317881
3.078		117144	67257
3.1		57087	35730
3.124		16915	9458
3.147		1200355	833867
3.186		85018	53438
3.211		91975	48897
3.232		250491	132566
3.246		77308	35827
3.296		916016	421197
3.305		915694	369810
3.325		223324	89848
3.339		996726	665147
3.412		1633483	1070656
3.448		2784394	1765887
3.471		2488298	1403157
3.488		817768	422967
3.573		3382384	2203025
3.596		1070029	582329
3.616		1167442	719338
3.645		570266	296555
3.661		2312520	1446338
3.701		1029657	704331
3.747		158797	140426
3.768		1449161	873308
3.79		3527405	2246180
3.814		2118534	1301875
3.832		227655	108635
3.853		236859	132539
3.888		1194179	837402
3.92		1824796	1462580
3.946		707775	388183
3.993		147612	96449
4.026		654242	472358
4.082		1230492	939841
4.113		672644	475753

RT B	Compound B	Height B	Area B
4.14		1685700	1484770
4.23		713559	615028
4.266		96691	71892
4.298		532379	668068
4.364		90844	58423
4.386		35450	25914
4.457		161121	182560
4.51		515044	580270
4.548		35348	42871
4.589		246010	444345
4.804		10809	7198
4.827		92567	118590
4.883		8168	8017
4.91		5213	4278
4.942		7532	5789
4.975		10196	7610
4.999		20714	26656
5.068		22772	60391
5.191		3049	5279
5.211		12016	12380
5.258		31282	53407
5.412		124530	130831
5.481		107876	113008
5.53		6143	6122
5.642		6000	6723
5.748		3742	6852
5.842		180448	254917
5.999	DCB	15780700	20134500
6.459		9332	13365
6.617		2895	6029
6.681		2498	3079
7.328		2132	1536
7.511		2165	2009
7.8		1057	827
7.855		1800	1448
8.01		21518	38106
8.465		1750	1257

IC48X1724B AAIC48XAA CCAL 1727499999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.033.RAW



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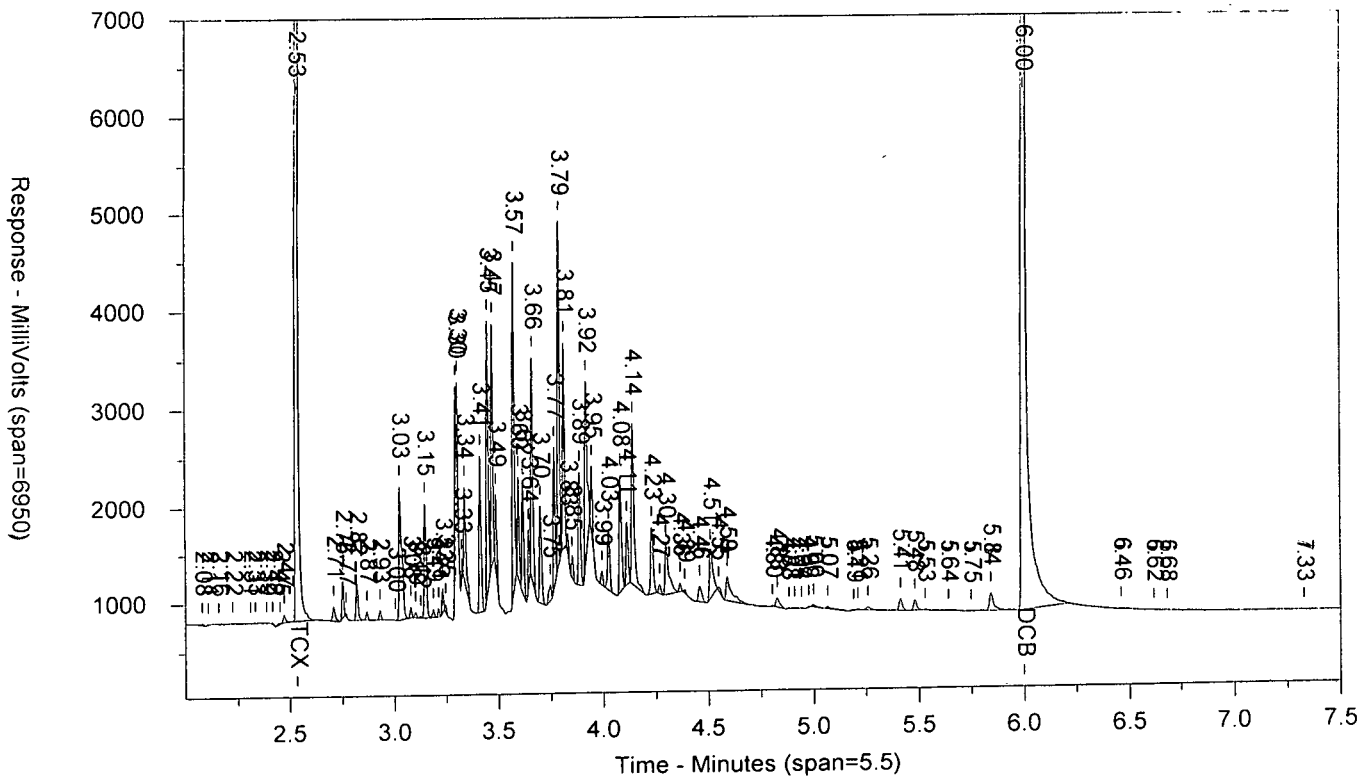

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 2:07:05 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	7509919	39.353	TCX	2.535	25082870	37.293	TCX
6.575	4818492	37.604	DCB	5.999	15780700	33.534	DCB

Files:
Area File: 20PCBs17275001.033.RAW
Area File: 20PCBs17275001B.033.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 2:15:51 AM
File Reported On: 10/3/2017 at 2:16:19 AM

IC48X1724B AAIC48XAA CCAL 1727499999 10736 SW-846 8082

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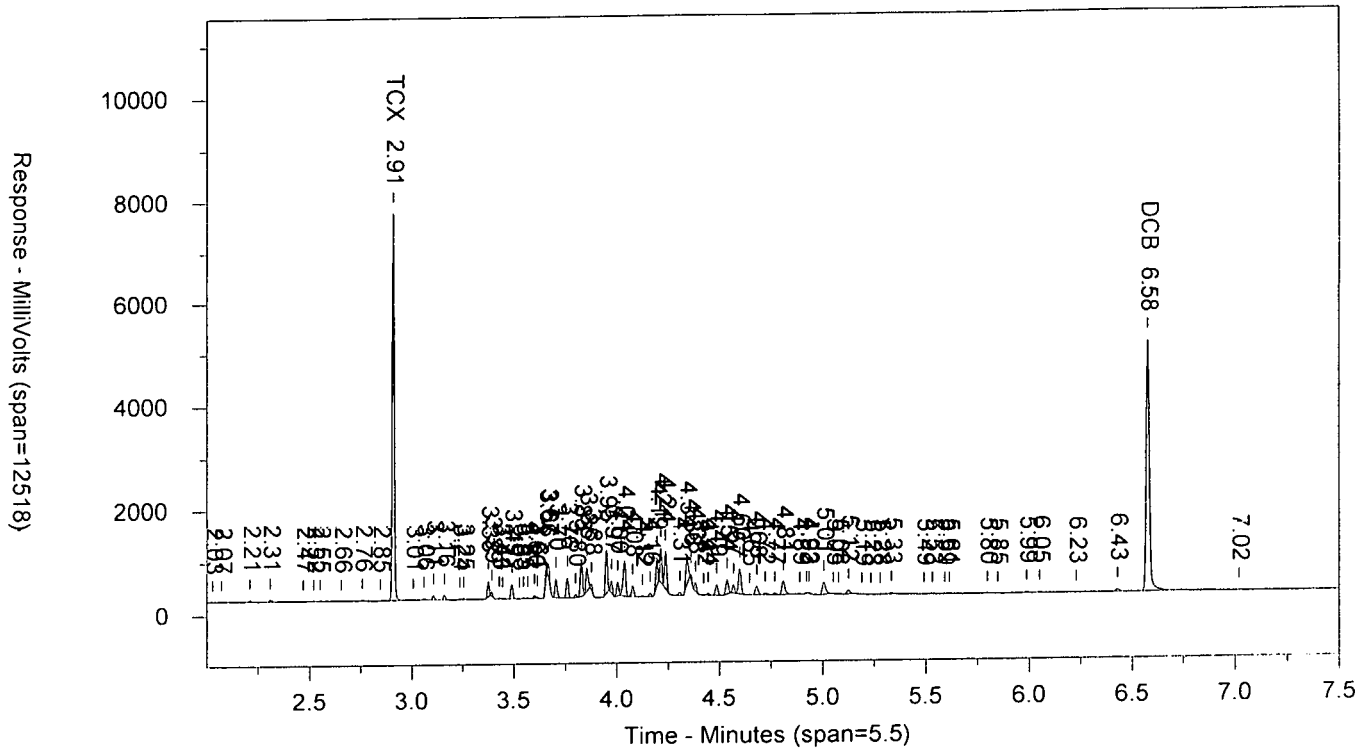

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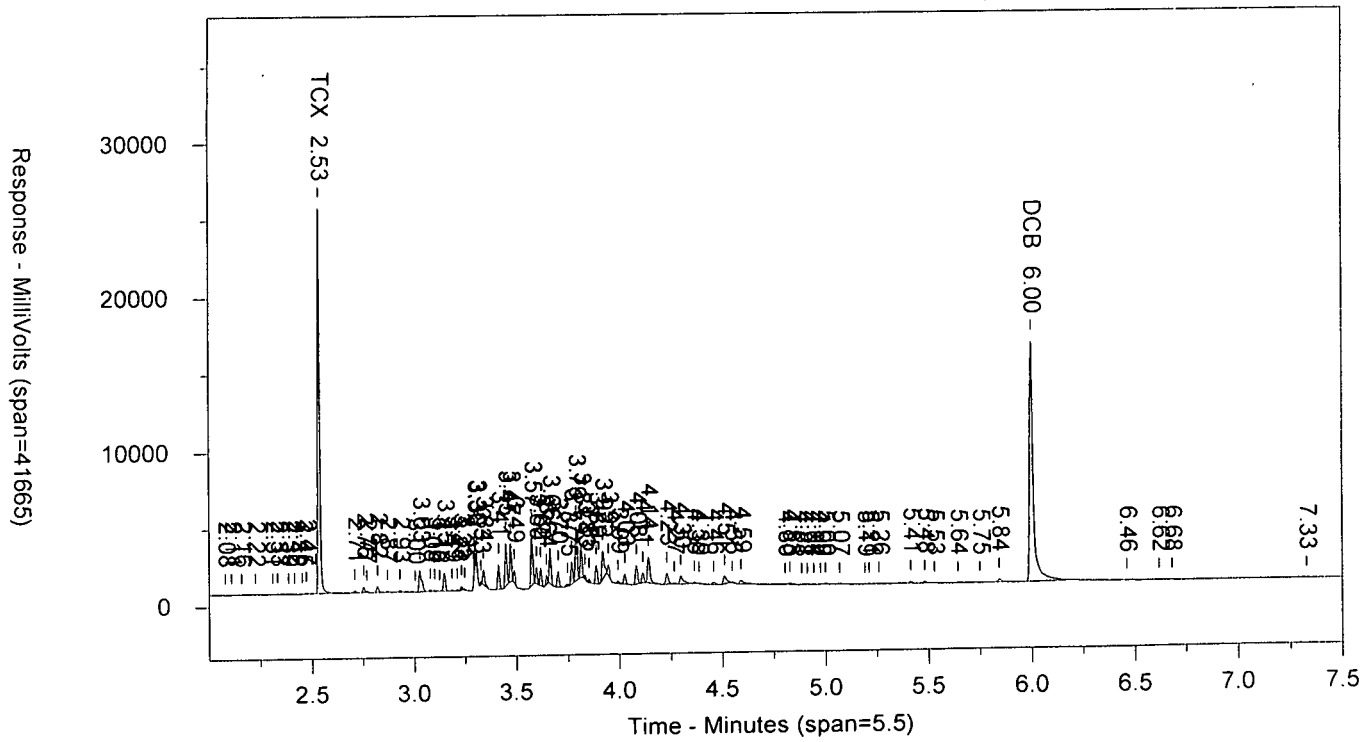

IC48X1724B AAIC48XAA CCAL 1727499999 10736 SW-846 8082

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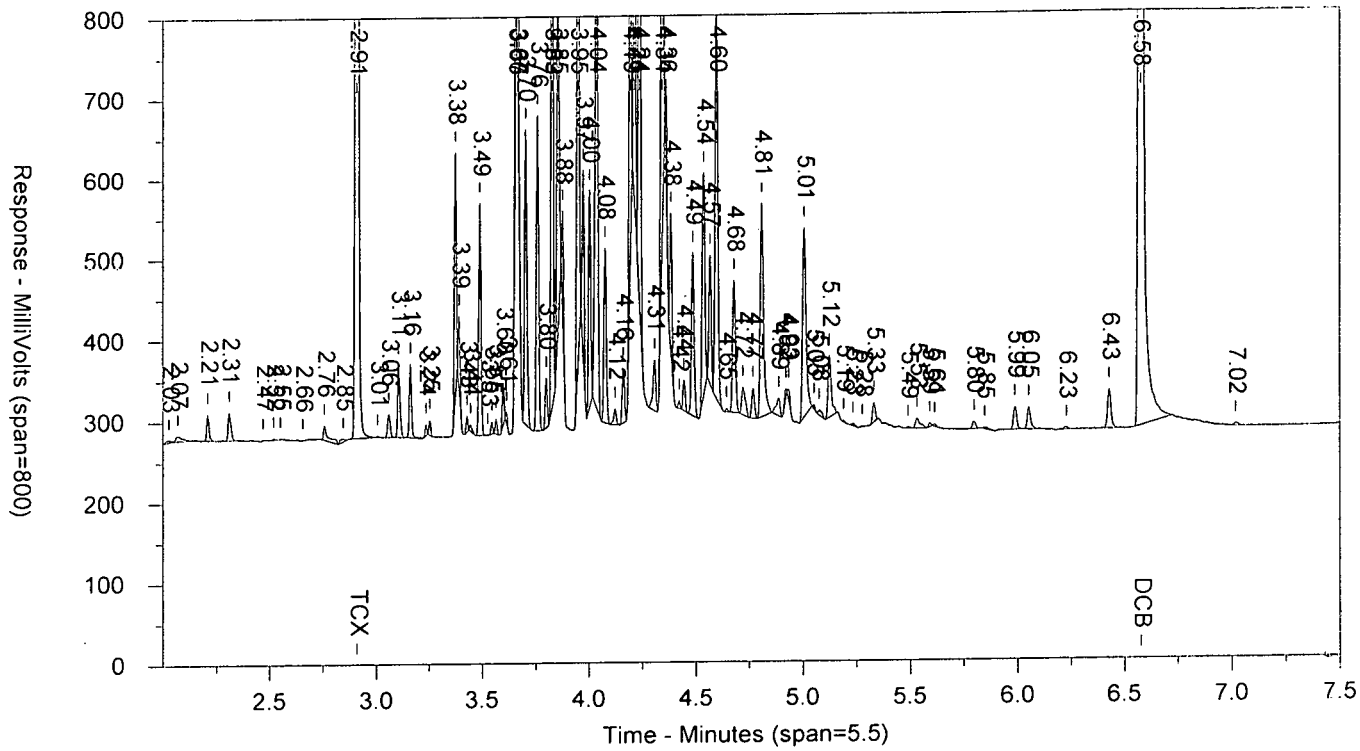

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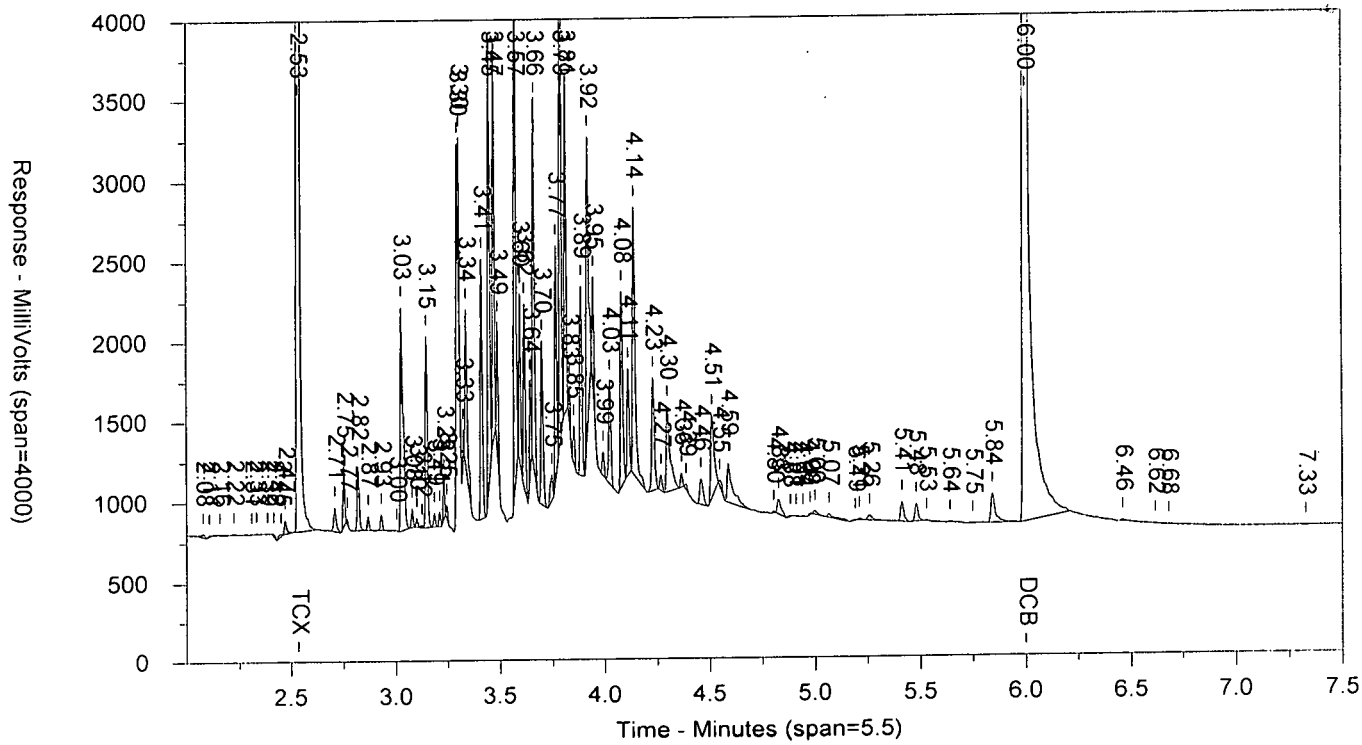

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 2:18:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275001.034.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.038		1918	5700
2.07		7729	17530
2.21		16112	12343
2.309		25946	22053
2.479		1503	2589
2.52		1826	1684
2.689		1222	760
2.758		24074	21750
2.844		3129	4549
2.909	TCX	3711905	2423427
3.009		1075	1083
3.059		7520	7122
3.106		44606	32189
3.161		16131	11701
3.236		7674	4958
3.256		2108	1305
3.375		24852	14816
3.393		8596	5080
3.445		10360	9385
3.489		27986	20746
3.545		7409	4393
3.565		20293	13273
3.599		5234	3015
3.655		17838	9100
3.667		8647	7360
3.704		60474	47957
3.76		25400	19408
3.8		3440	2116
3.828		648242	477385
3.854		171392	156049
3.949		398111	293447
3.974		23926	14078
4.005		41036	29070
4.037		171006	148052
4.077		32023	26279
4.123		4975	5443
4.161		31367	22562
4.196		950956	637389
4.214		270743	146321
4.239		249411	201013
4.307		254819	214099
4.348		1363700	1432657
4.383		502314	403307
4.423		16033	9924
4.444		83810	64636
4.486		463396	412727
4.536		865669	749044
4.566		202844	130754
4.597		1806701	1550354
4.645		84147	57667
4.66		23377	9363
4.68		217125	161751
4.721		584082	567399
4.767		91480	80494

RT A	Compound A	Height A	Area A
4.808		1016664	1054883
4.866		125710	129860
4.918		664416	1050297
4.967		13881	9889
5.006		709316	771579
5.051		88915	66178
5.075		75585	112084
5.123		1227266	1295772
5.162		38631	24023
5.19		34829	25507
5.233		46231	52093
5.33		305721	269912
5.352		64002	43124
5.409		45937	39397
5.449		40786	38468
5.49		6097	5446
5.53		156571	157935
5.59		164136	171570
5.796		139554	134466
5.825		13515	12803
5.987		11882	12780
6.05		12663	27728
6.225		8176	9772
6.426		20191	23677
6.574	DCB	2398394	2623233
6.834		1378	2605
7.018		1720	2292
7.362		949	879
8.315		1201	3655
8.517		6959	16611

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 2:18:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275001B.034.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.081		25900	26346
2.115		8103	12926
2.158		5017	6462
2.222		4256	5581
2.281		3844	4892
2.332		6188	4780
2.452		12002	20121
2.472		113734	93994
2.514		3232	1254
2.535	TCX	11996490	7878175
2.708		41503	51724
2.752		228368	178261
2.82		71404	51021
2.868		44240	26125
2.932		10040	9763
3.028		97201	51115
3.079		10851	6628
3.1		48036	33658
3.123		2602	1149
3.149		120310	90716
3.186		93277	61397
3.211		41125	21176
3.232		24473	12725
3.248		23486	25701
3.297		164528	175923
3.326		44724	19667
3.34		170206	135472
3.413		120081	82668
3.448		2573945	1614755
3.471		834996	482635
3.488		78922	33657
3.573		1671849	1098732
3.596		129589	65363
3.617		208478	139586
3.646		107877	53585
3.661		633309	390529
3.7		196103	135445
3.739		146939	110580
3.768		421072	236687
3.789		5137913	3453194
3.813		395061	205881
3.832		631993	351689
3.853		1038034	657543
3.887		4557111	3241365
3.917		1516450	859263
3.933		1115148	568882
3.992		379028	272990
4.026		1709800	1329193
4.081		3711227	2807091
4.113		996778	781624
4.139		5865059	4716105
4.177		494784	442231
4.228		3121086	2662535
4.265		282606	214235

RT B	Compound B	Height B	Area B
4.297		1986511	1448958
4.319		444817	322414
4.363		2256068	2146923
4.456		2066681	2443989
4.51		1518863	1513660
4.549		649529	541258
4.587		3517974	4001416
4.63		231919	155181
4.654		134531	89862
4.711		28362	32353
4.752		14528	7969
4.772		70414	56331
4.803		169480	114385
4.826		1117443	1051266
4.875		153076	121607
4.909		137336	114296
4.941		68022	54998
4.975		165629	133973
4.995		398358	410288
5.21		22580	19582
5.254		493042	866035
5.411		47875	51714
5.48		44158	63998
5.53		18232	20085
5.642		27908	48162
5.84		79347	94241
5.997	DCB	8105093	10210900
6.455		5460	16939
7.445		2711	4451
7.735		3770	4907
8.007		19612	36193
8.634		1888	2224

IC54X1724B AAIC54XAA CCAL 1727499999 10736 SW-846 8082

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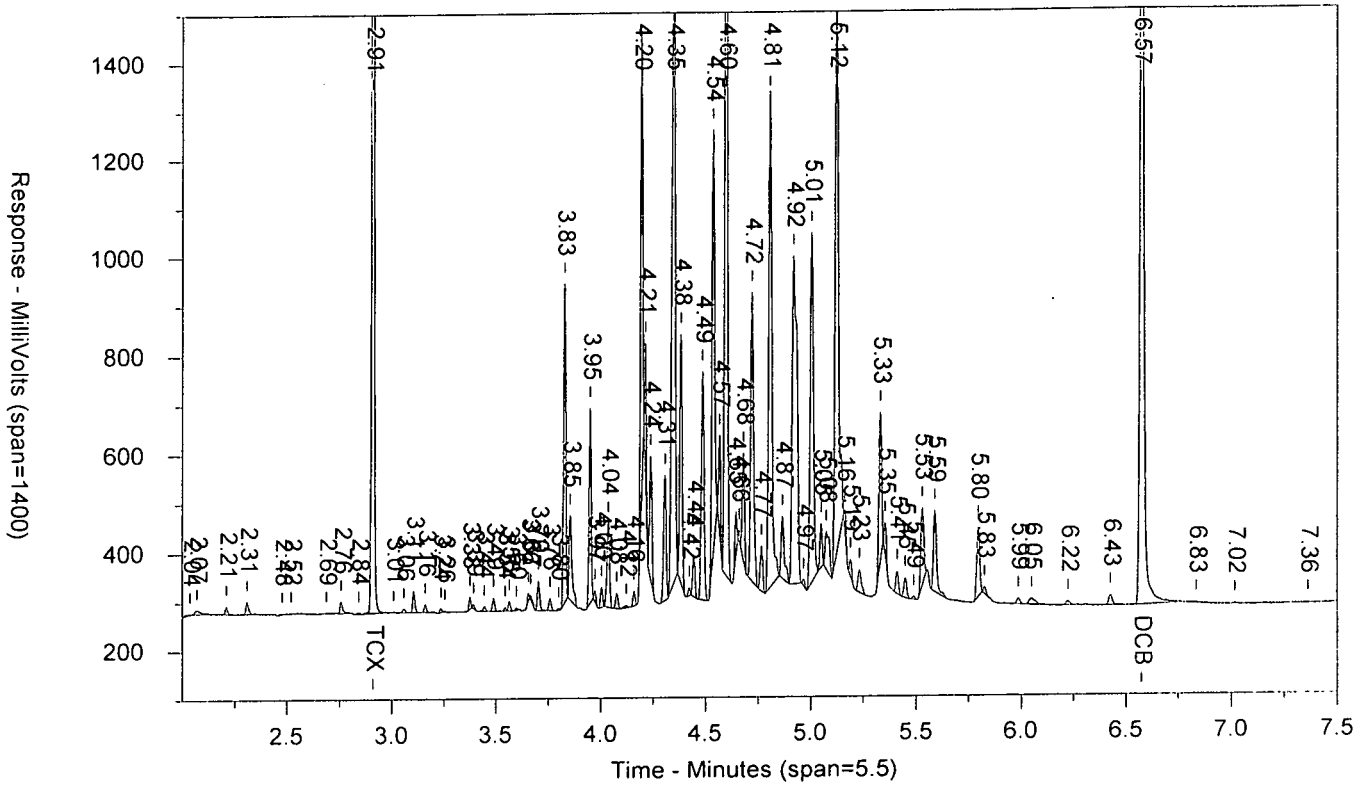

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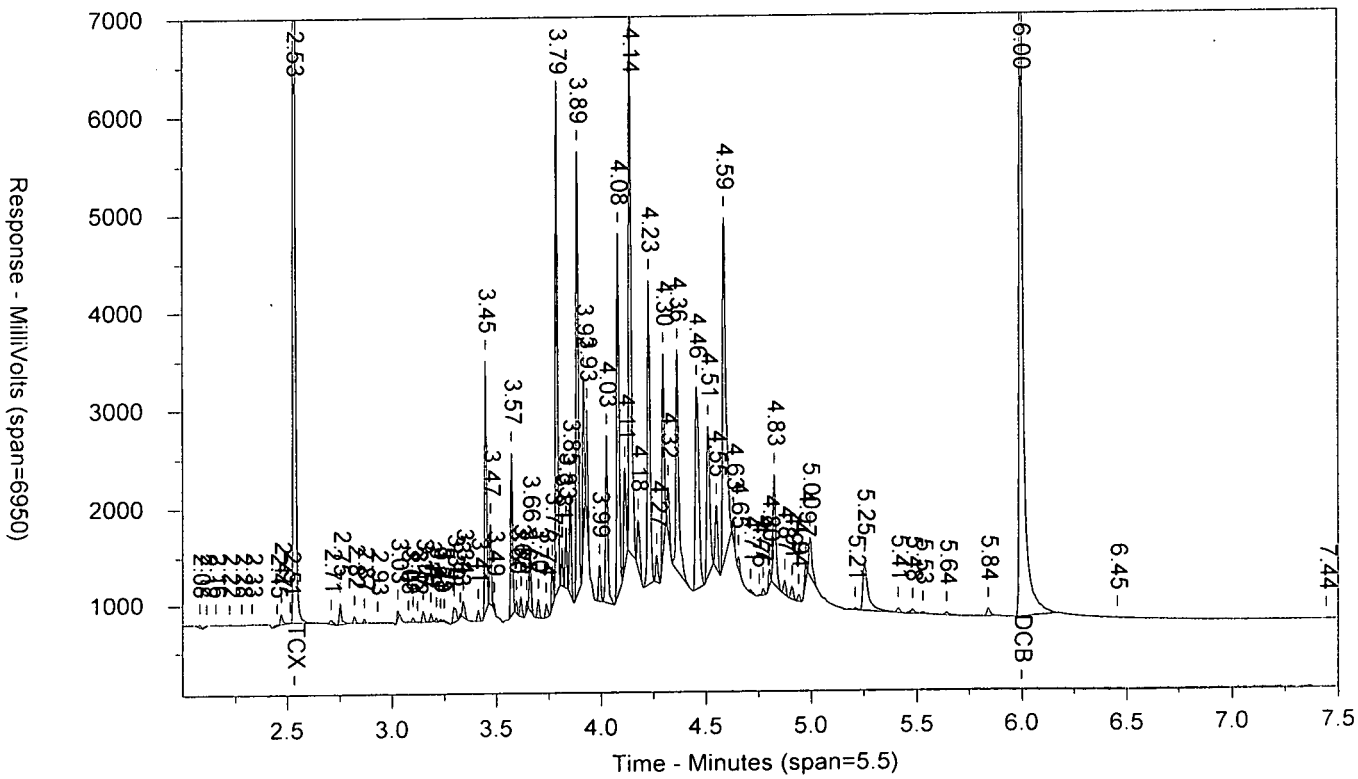


LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1727499999 10736 SW-846 8082
Injected On: 10/3/2017 2:18:24 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

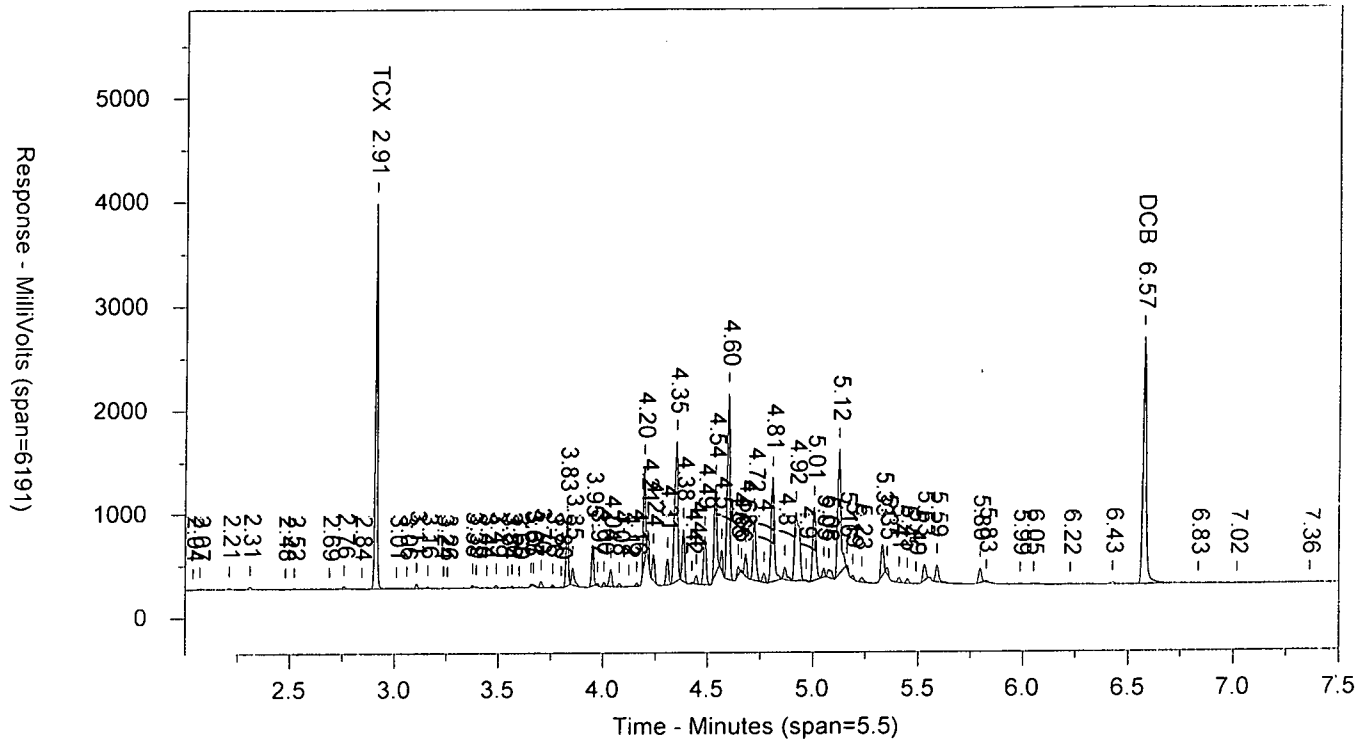
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.909	3711905	19.451	TCX	2.535	11996490	17.836	TCX
6.574	2398394	18.717	DCB	5.997	8105093	17.223	DCB

Files:
Area File: 20PCBs17275001.034.RAW
Area File: 20PCBs17275001B.034.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/3/2017 2:27:07 AM
File Reported On: 10/3/2017 at 2:27:16 AM

IC54X1724B AAIC54XAA CCAL 1727499999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275001.034.RAW



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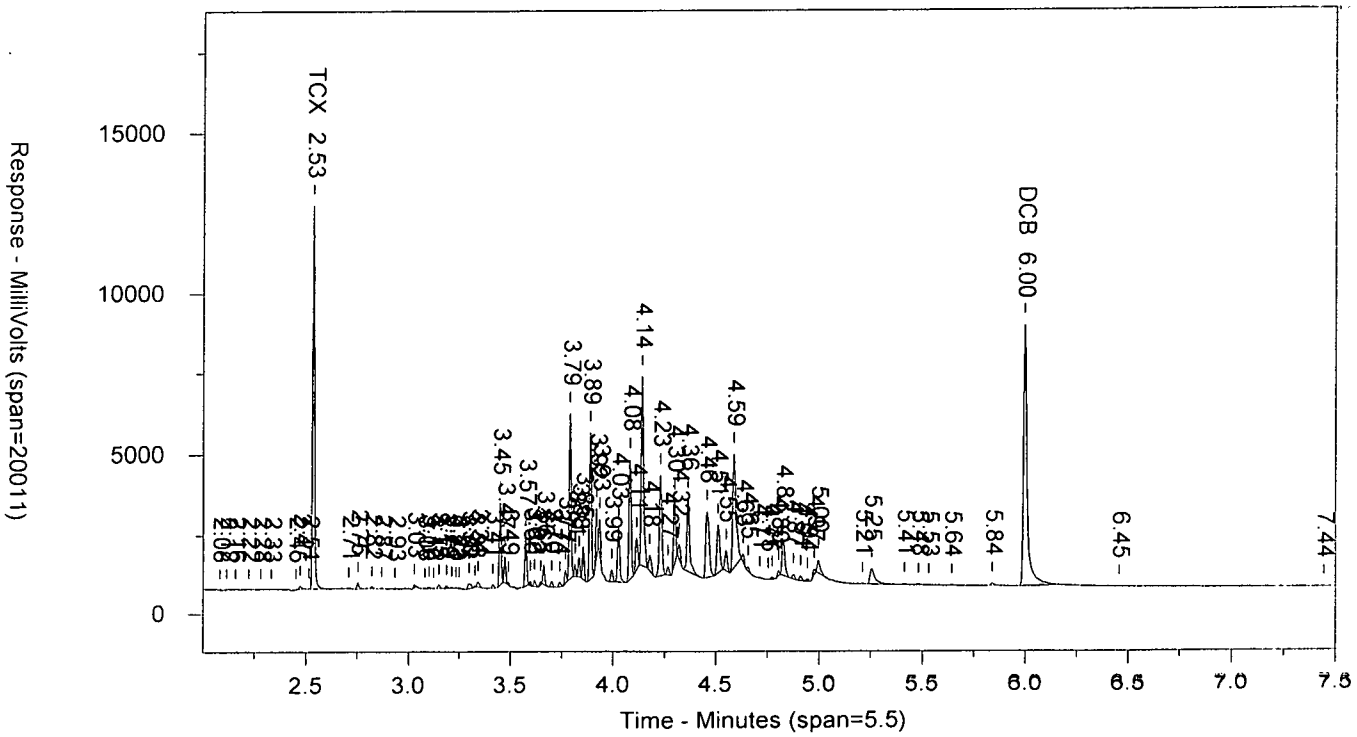

IC54X1724B AAIC54XAA CCAL 1727499999 10736 SW-846 8082

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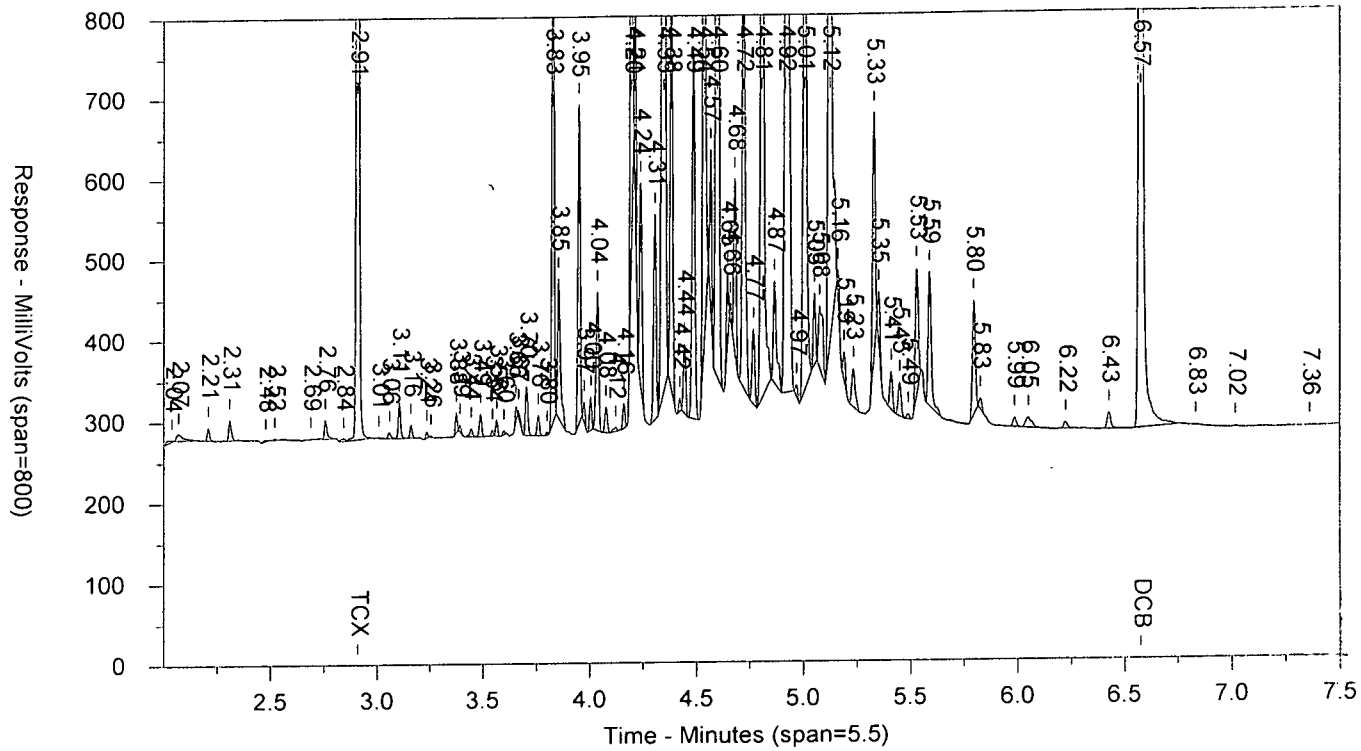

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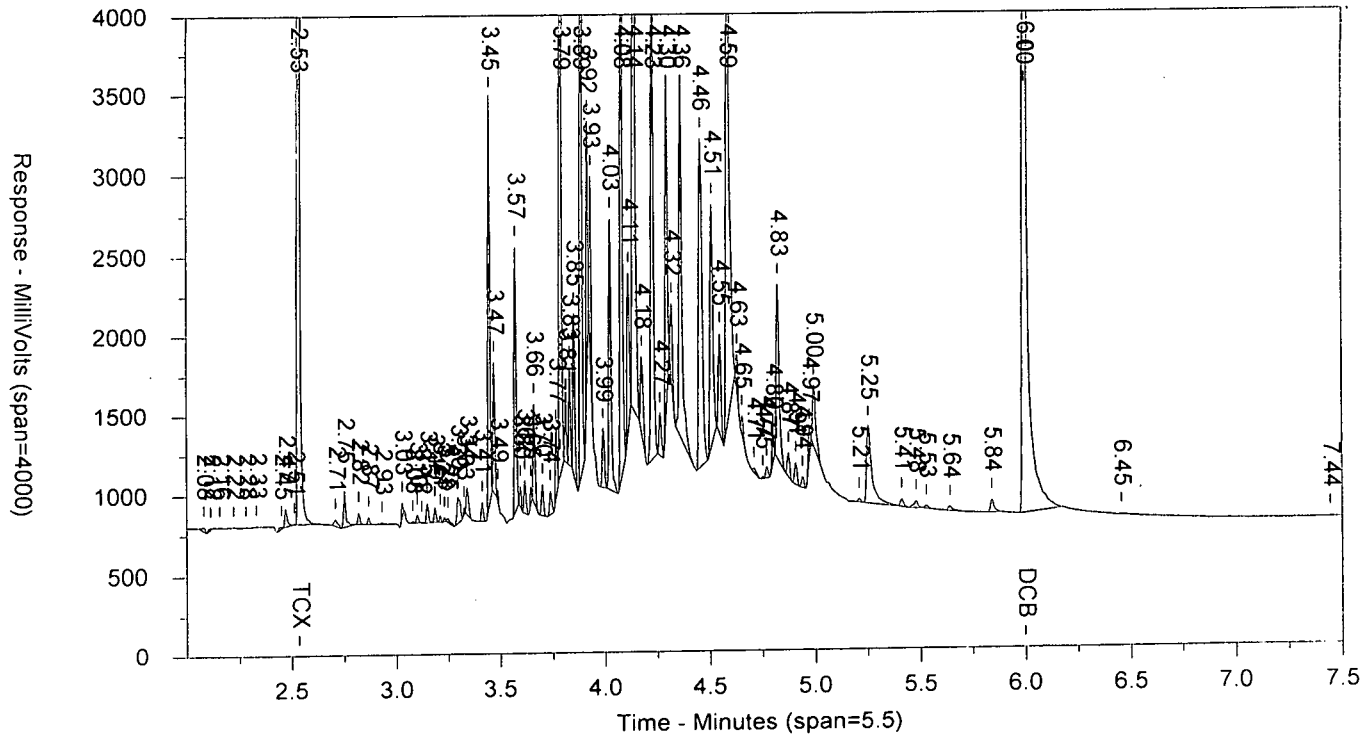


LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1727799999 10736 SW-846 8082
Injected On: 10/5/2017 10:34:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.005.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.028		2095	4442
2.058		5201	15512
2.145		2028	4121
2.206		17336	13393
2.305		16279	15904
2.464		2367	1995
2.494		1989	1499
2.514		1418	1118
2.585		1445	2410
2.674		1185	1042
2.753		6576	58392
2.842		11440	23171
2.904	TCX	3934031	2599255
3.005		1975	2252
3.1		48792	32632
3.229		10543	11048
3.457		589	479
3.538		10225	7251
3.577		1007	3001
3.641		3480	3848
3.69		1063	819
3.739		1633	2923
3.891		2269	3892
3.983		996	1254
4.134		5609	6790
4.209		2370	1525
4.238		3116	2568
4.326		1085	1295
4.561		1740	2499
4.681		1113	894
4.8		1080	1537
4.945		1911	5893
5.231		1458	849
5.29		1253	2072
5.381		28082	60519
5.608		2855	3757
5.687		11029	12053
5.98		10909	10832
6.044		8391	8204
6.162		1207	1153
6.212		1119	1218
6.262		3382	3630
6.418		19371	17790
6.445		7707	6357
6.567	DCB	2618539	2694313
6.697		1973	1876
6.734		1925	3008
6.835		5044	7143
7.014		1846	2151
7.502		1059	1681
7.626		807	997
8.246		583	411
8.358		2558	4736
8.511		7823	19005

LANCASTER LABORATORIES

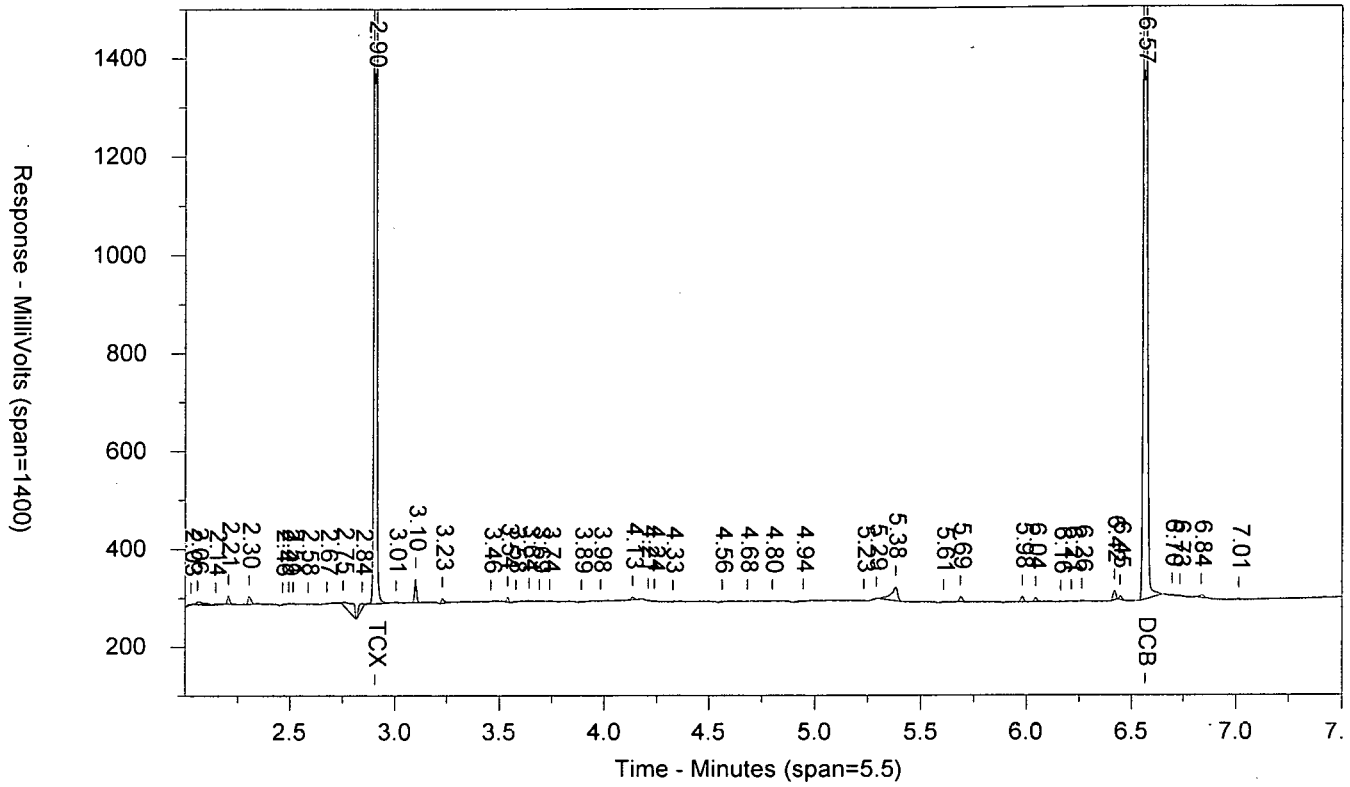
Sample Number: IBLKX1724B AAPIBLKAA PIBLK1727799999 10736 SW-846 8082
Injected On: 10/5/2017 10:34:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.005.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.076		27823	35487
2.117		18658	36119
2.168		5321	9426
2.218		4171	3343
2.272		7119	10072
2.334		5250	5701
2.365		3923	2968
2.47		89126	307854
2.533	TCX	11375880	7214611
2.637		6485	7606
2.698		7620	6110
2.75		214804	167132
2.814		5415	6656
2.865		41810	23920
2.898		3755	4508
2.978		8259	34031
3.039		2941	15751
3.062		2999	2077
3.104		1343	559
3.136		2013	1194
3.17		1621	897
3.184		1265	275
3.209		45386	30983
3.247		23609	38716
3.303		15912	36701
3.33		2784	1445
3.372		6134	5076
3.442		4310	3655
3.507		27691	45348
3.556		17820	41850
3.677		3107	2313
3.724		2504	2110
3.758		27244	24982
3.791		20562	24608
3.809		3414	2684
3.852		34747	30741
3.915		14021	22168
3.978		26714	76040
4.082		11826	65500
4.123		4036	5418
4.167		2596	1898
4.336		17383	53042
4.381		3964	3586
4.413		4813	5303
4.538		3633	2344
4.594		12812	18900
4.624		3490	2558
4.665		5139	7715
4.735		3813	2679
4.818		4152	3227
4.846		10631	8378
4.897		19046	46485
4.935		3927	3506
4.972		2727	2069

RT B	Compound B	Height B	Area B
5.005		5961	5686
5.097		56087	171282
5.225		68317	101238
5.351		3209	4179
5.409		50782	49782
5.477		41387	48181
5.527		5591	7378
5.671		4810	9413
5.731		3025	1866
5.79		2873	1908
5.816		6479	4220
5.837		97855	81998
5.867		3188	2437
5.995	DCB	9568667	8969131
6.278		3255	3237
6.318		4355	6511
6.38		3938	5929
6.428		2555	1914
6.452		8363	7457
6.482		18169	16917
6.676		7287	8972
7.105		2315	2200
7.41		2580	3033
7.824		12476	25788
8.008		11759	23008
8.339		3715	6088

IBLKX1724B AAPIBLKAA PIBLK1727799999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.005.RAW



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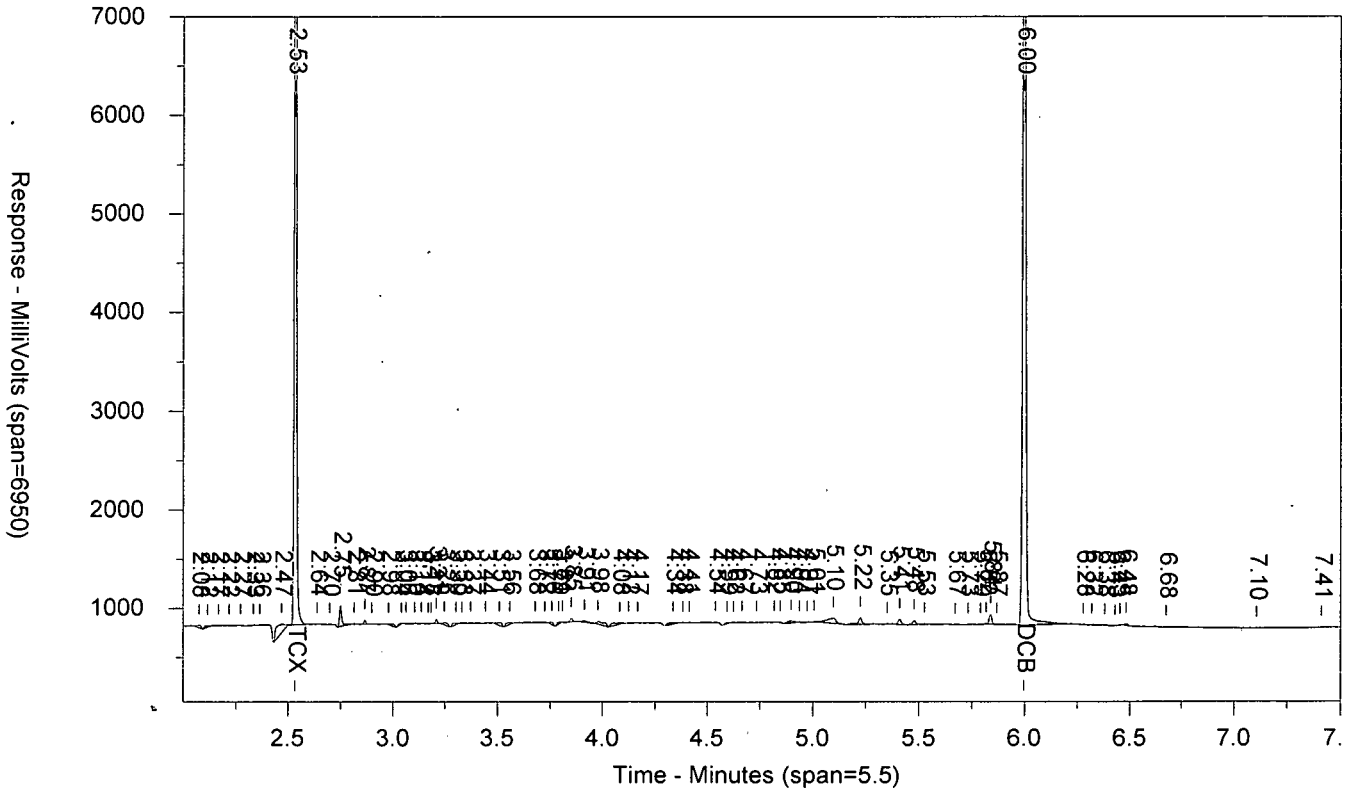

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1727799999 10736 SW-846 8082
Injected On: 10/5/2017 10:34:15 PM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	3934031	.201	TCX	2.533	11375880	.193	TCX
6.567	2618539	.194	DCB	5.995	9568667	.187	DCB

Files:
Area File: 20PCBS17278001.005.RAW
Area File: 20PCBS17278001B.005.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 10:42:59 PM
File Reported On: 10/6/2017 at 12:21:42 PM

IBLKX1724B AAPIBLKAA PIBLK1727799999 10736 SW-846 8082

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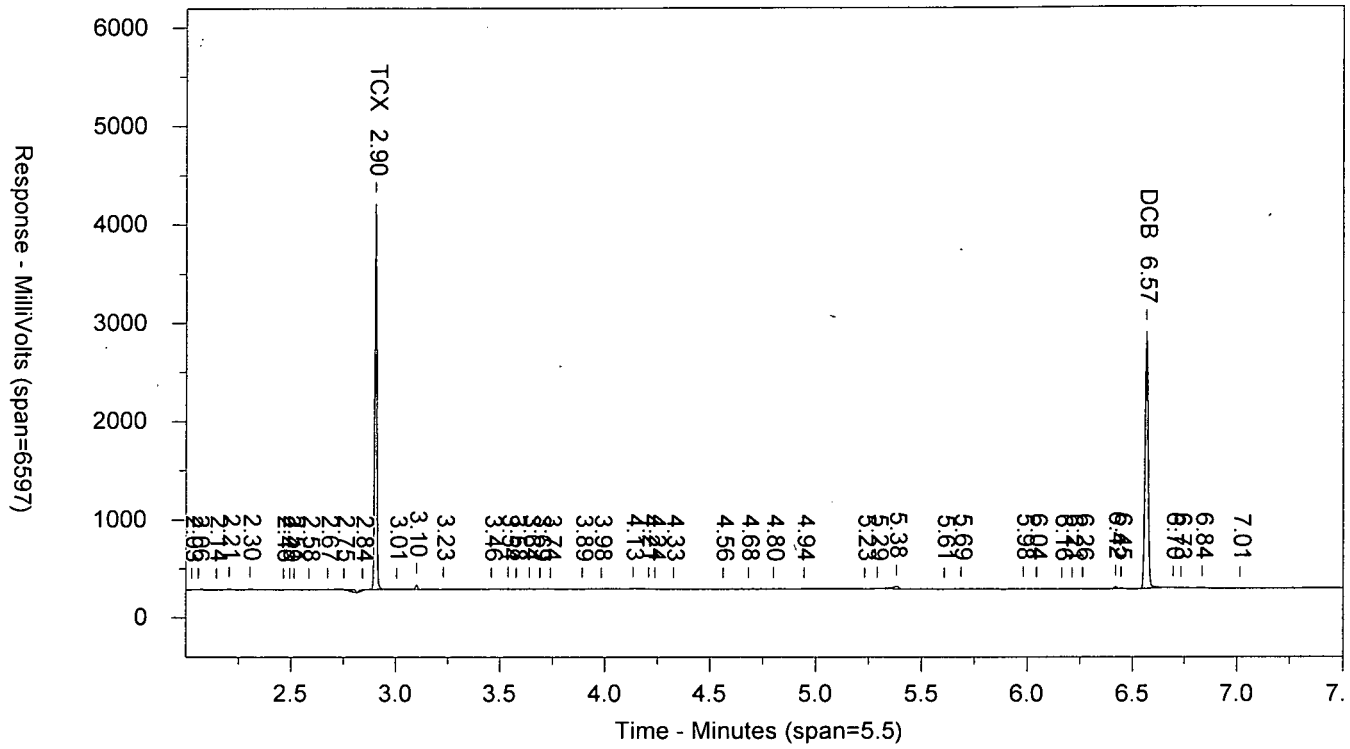

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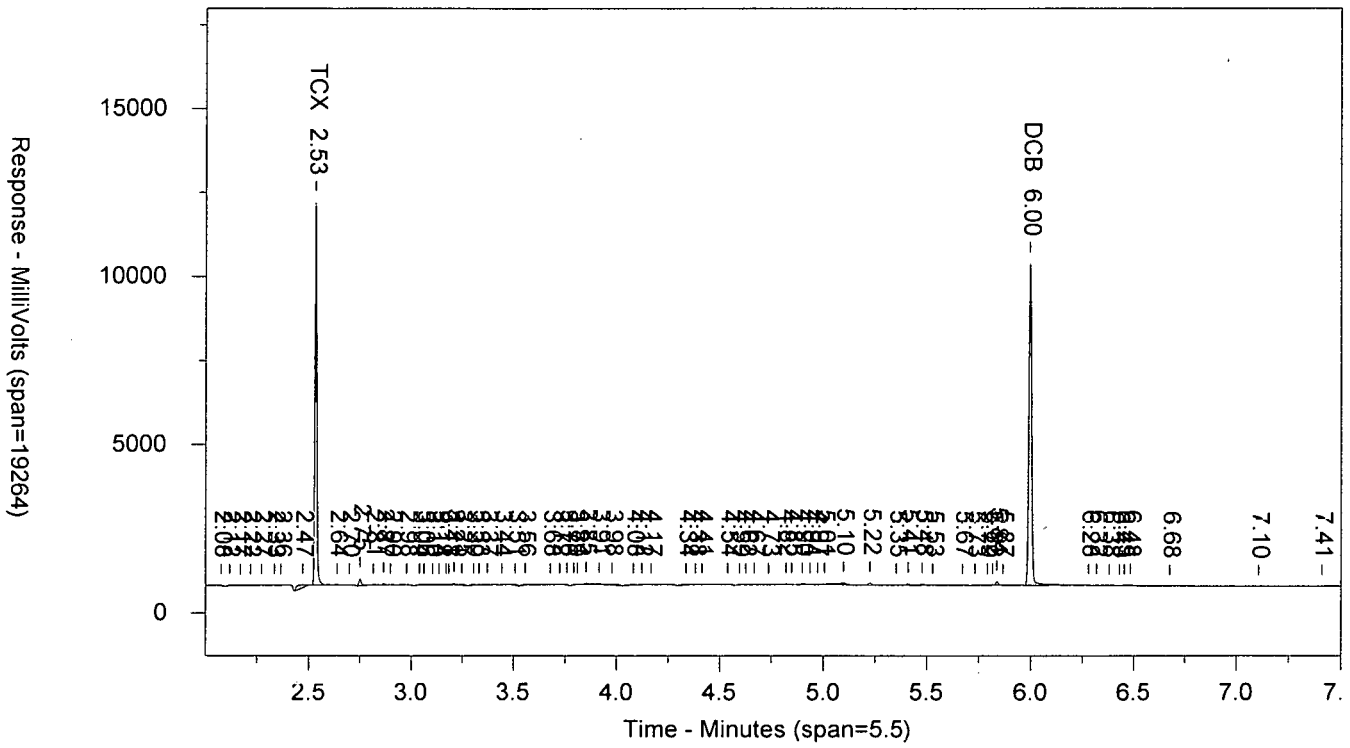

IBLKX1724B AAPIBLKAA PIBLK1727799999 10736 SW-846 8082

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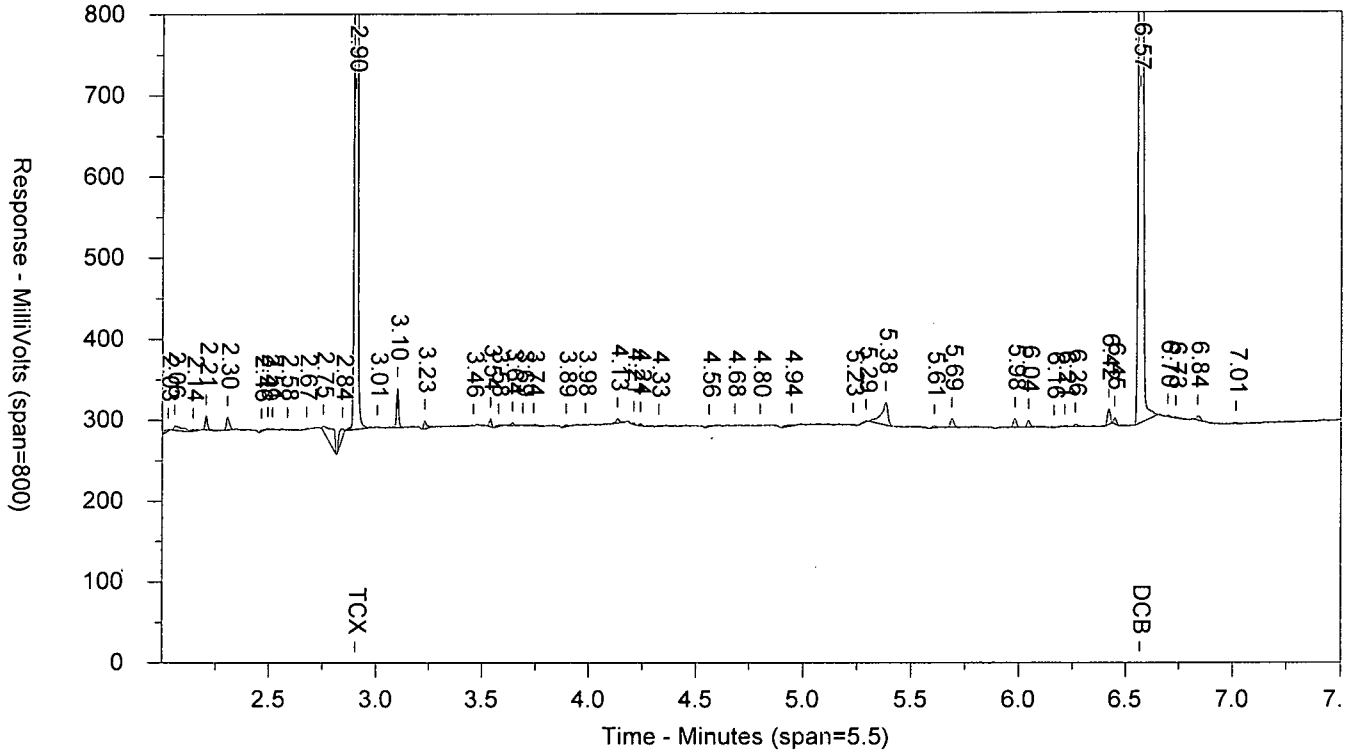

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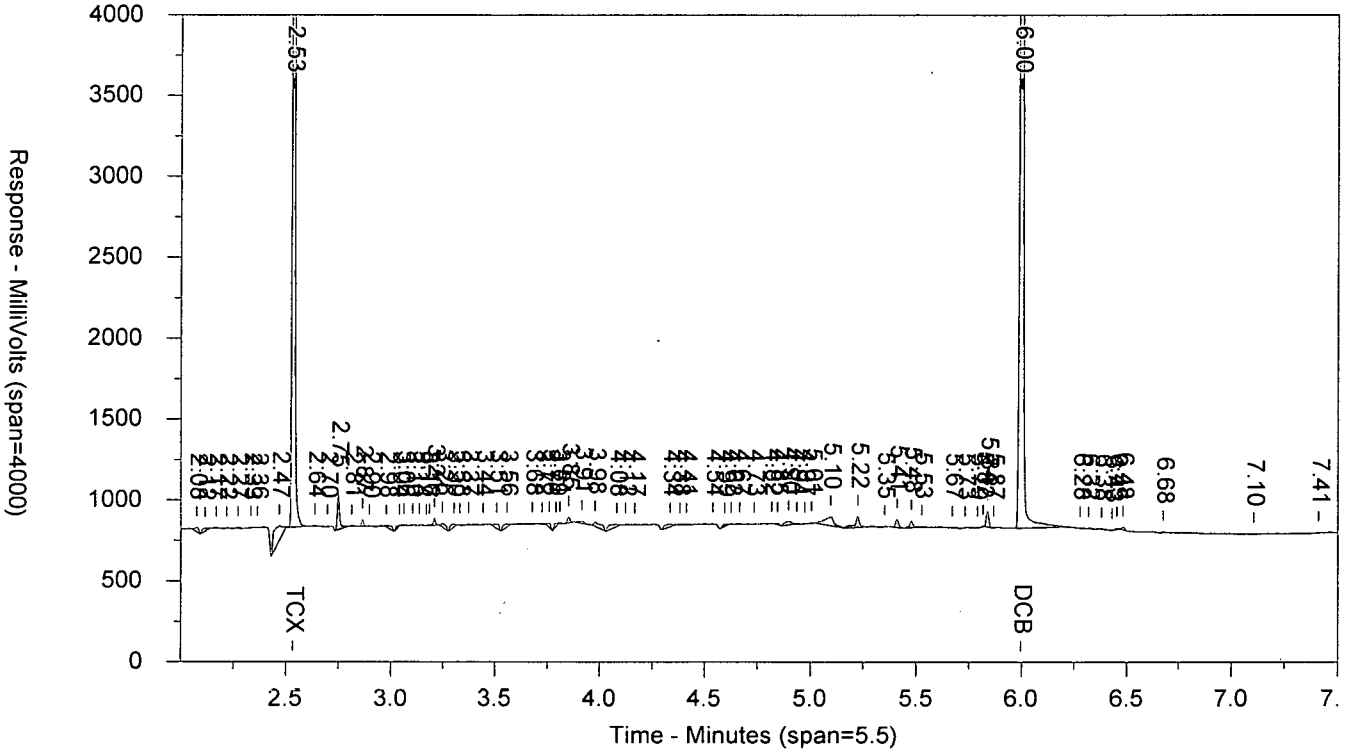


LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 10:45:42 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.006.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.036		1594	5090
2.062		3685	4930
2.106		8928	7845
2.205		16426	12277
2.312		36039	38166
2.426		4019	5285
2.482		59929	47805
2.521		2654	1868
2.687		887	2346
2.753		4802	4157
2.839		17245	28381
2.904	TCX	4019610	2582690
2.991		2279	2671
3.055		1543	1963
3.1		47399	32922
3.182		3131994	1940371
3.23		10865	10707
3.284		3051	2355
3.378		2441182	1565414
3.413		2778	2207
3.461		1922	1760
3.491		1008567	657930
3.54		7715	5004
3.578		2799	5158
3.642		7784	7868
3.665		29963	20193
3.69		6781	4387
3.78		86442	66826
3.809		6005	5758
3.892		3602	5075
4.015		5131	3589
4.047		16006	13126
4.096		1914	1707
4.133		48921	41405
4.167		49167	32302
4.185		38961	23685
4.211		2568	1950
4.24		2649	3391
4.303		5894	6423
4.343		468438	408960
4.398		1112	858
4.427		3823	2543
4.461		4558	4966
4.494		23231	21774
4.533		62407	50010
4.604		8873	9013
4.657		438003	416775
4.758		418495	381449
4.795		4249482	3757217
4.82		43719	21870
4.845		40073	28656
4.899		1151856	1070284
4.984		68216	80291
5.049		705349	650655

RT A	Compound A	Height A	Area A
5.104		4523	2943
5.136		4366662	3992281
5.214		51308	60852
5.296		2874	5000
5.357		703628	973444
5.448		27163	22041
5.499		4612085	4390014
5.541		85857	67434
5.579		1925077	1876479
5.918		1362	2334
5.98		12838	12681
6.044		9571	9809
6.212		2219	5165
6.393		806	391
6.421		22687	23440
6.493		895	390
6.568	DCB	2710609	2767163
6.836		6243	9956
7.012		1991	2147
7.078		821	578
7.116		689	532
7.585		773	413
7.711		2813	5292
8.168		1044	1960
8.361		2287	4495
8.52		6236	15833
8.657		692	417

LANCASTER LABORATORIES

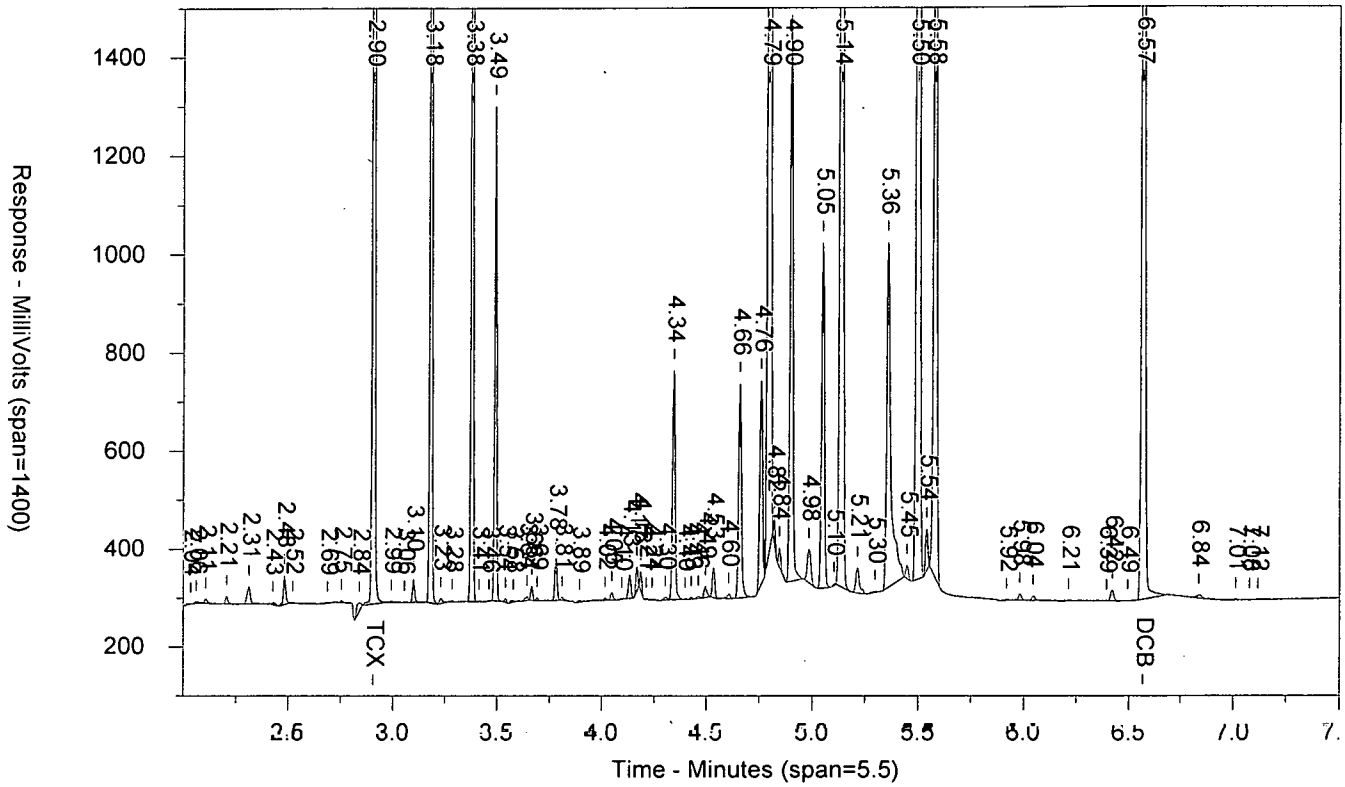
Sample Number: EVALX1724A AAEVALXAA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 10:45:42 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.006.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.041		1719	2194
2.074		133198	113435
2.107		26124	22964
2.127		9749	6198
2.166		7794	9516
2.217		2844	2218
2.241		217252	152440
2.29		7893	5292
2.331		7390	9657
2.369		3800	2857
2.468		79071	256280
2.532	TCX	11117310	7154428
2.624		9233	4141
2.638		7460	3160
2.699		21551	57365
2.749		221831	156293
2.809		7240	7562
2.879		9903254	5809217
2.979		4304	2225
2.997		34828	35279
3.036		23125	37690
3.059		1231	246
3.088		8259153	4788780
3.136		3042	1611
3.16		10947	9169
3.189		15481	9048
3.209		22913	10994
3.248		26337	14434
3.27		3091536	1819507
3.301		8910	5557
3.328		8771	5912
3.35		6348	3185
3.373		5010	2877
3.391		387918	306751
3.422		16976	8682
3.466		42940	35726
3.507		33411	52367
3.55		13817	27497
3.586		10861	17589
3.635		7220	6485
3.675		215033	136285
3.695		55177	27996
3.709		11775	4190
3.728		12656	6291
3.751		275052	176244
3.772		146064	77670
3.807		10808	13362
3.853		36958	36750
3.903		1825585	1307750
3.975		39646	33783
4.012		24209	26021
4.054		358274	317942
4.096		32113	24603
4.143		96346	58011

RT B	Compound B	Height B	Area B
4.158		30722	15237
4.197		5503	7106
4.269		1804476	1434181
4.319		14756280	12098860
4.362		386696	286549
4.415		5459560	4135071
4.451		56592	53734
4.526		306664	405075
4.589		17581170	13761670
4.644		2689989	2258902
4.674		37832	22017
4.705		8895	6318
4.761		199195	192186
4.795		40911	32566
4.91		3254905	3213241
5.014		16668260	14407060
5.08		327406	433467
5.184		8114057	7019302
5.24		261587	221653
5.409		61246	61463
5.479		49331	56278
5.528		4815	5088
5.597		3266	7094
5.74		3097	5442
5.838		106581	95157
5.997	DCB	9517392	9096439
6.323		4351	5583
6.456		6074	6303
6.482		17873	18294
6.621		4220	6020
7.326		1382	23336
7.629		3002	4507
7.678		2027	2000
7.741		2863	4217
7.824		11893	19130
8.01		10846	21961
8.222		2509	1734
8.289		1771	2654
8.345		1969	2290
8.451		2057	1038
8.525		1821	2384
8.656		1102	276

EVALX1724A AAEVALXAA ICAL 1727799999 10736 SW-846 808

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.006.RAW



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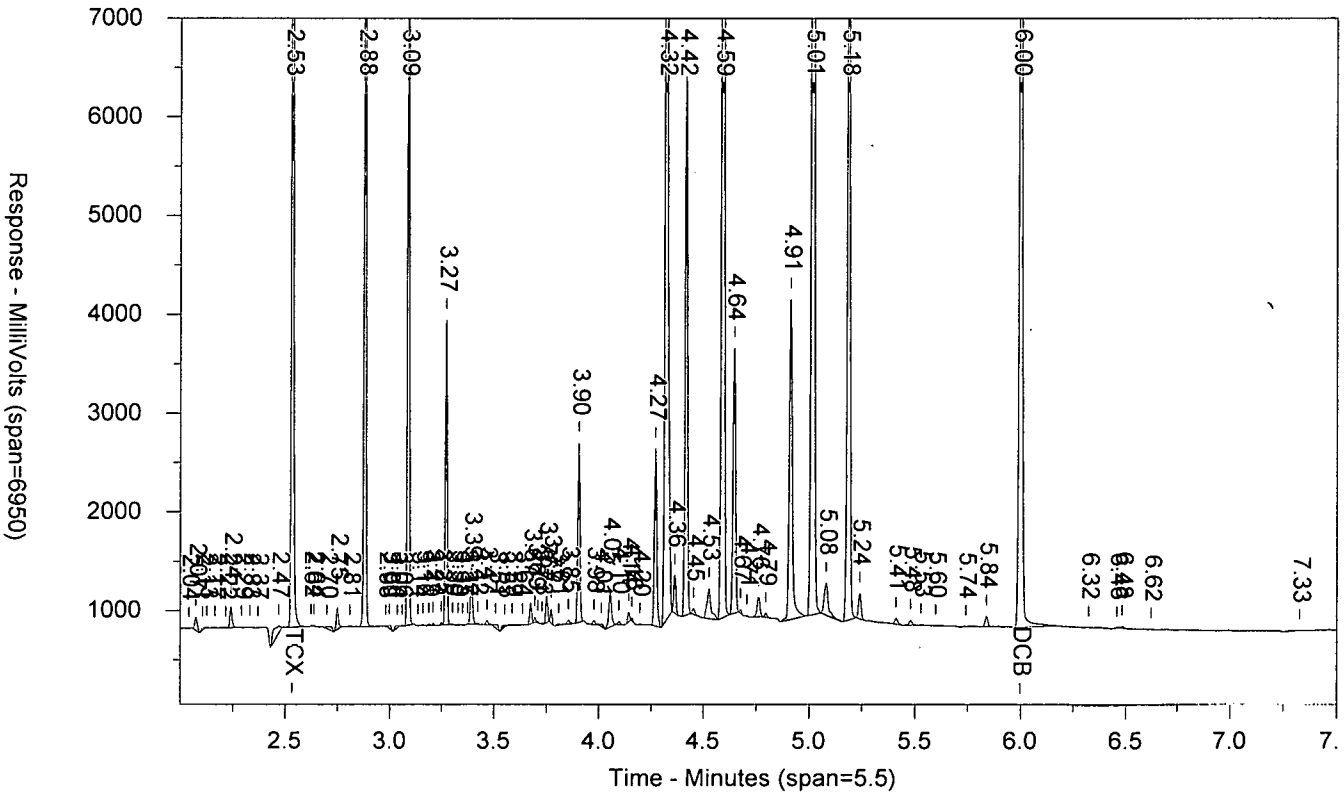

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 10:45:42 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	4019610	20.502	TCX	2.532	11117310	18.832	TCX
6.568	2710609	20.092	DCB	5.997	9517392	18.621	DCB

Files:
Area File: 20PCBS17278001.006.RAW
Area File: 20PCBS17278001B.006.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 10:54:24 PM
File Reported On: 10/6/2017 at 12:22:06 PM

EVALX1724A AAEVALXAA ICAL 1727799999 10736 SW-846 808

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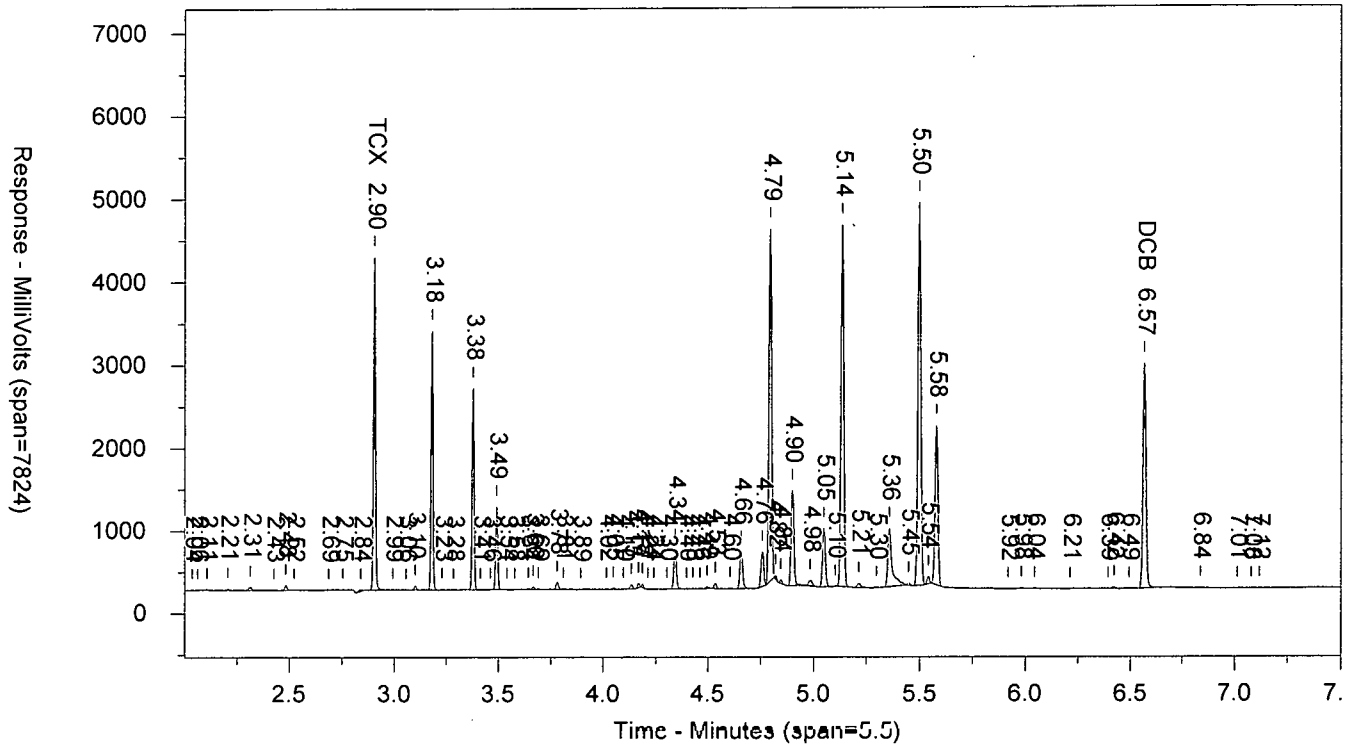

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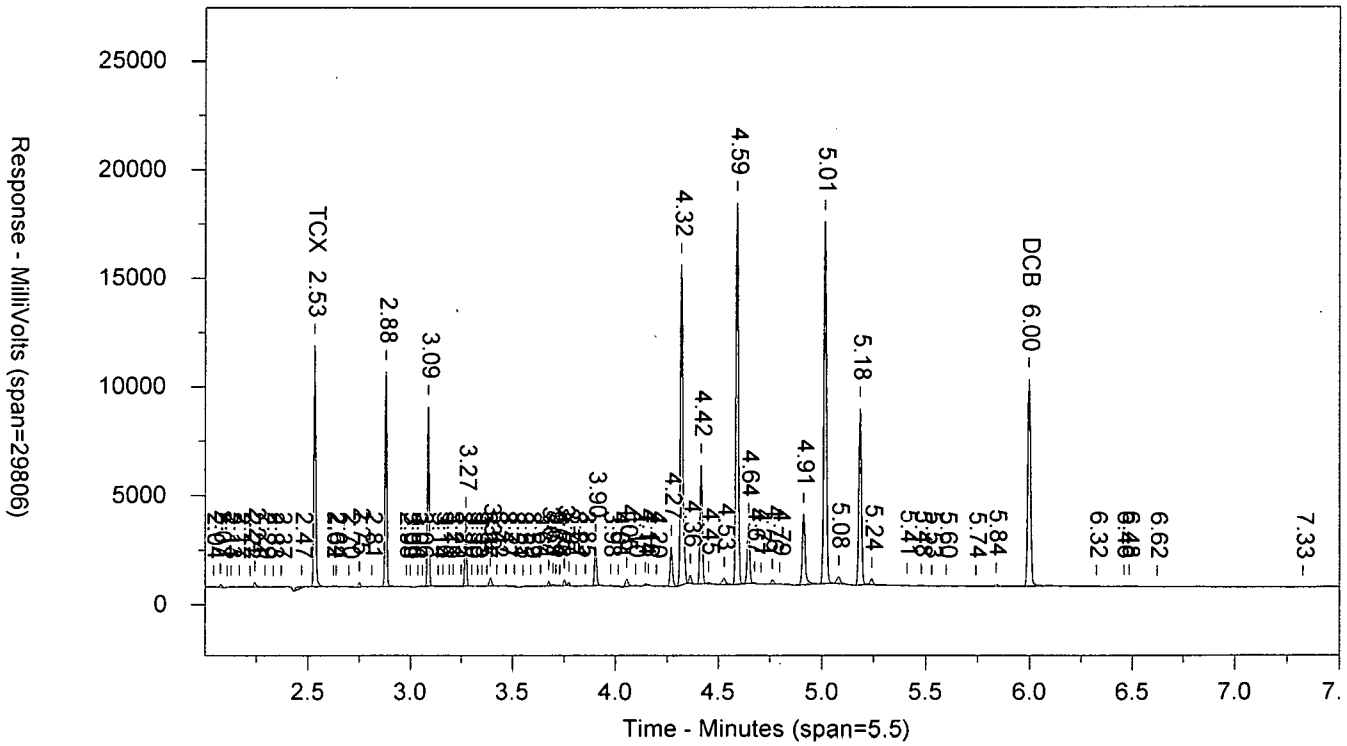

EVALX1724A AAEVALXAA ICAL 1727799999 10736 SW-846 808

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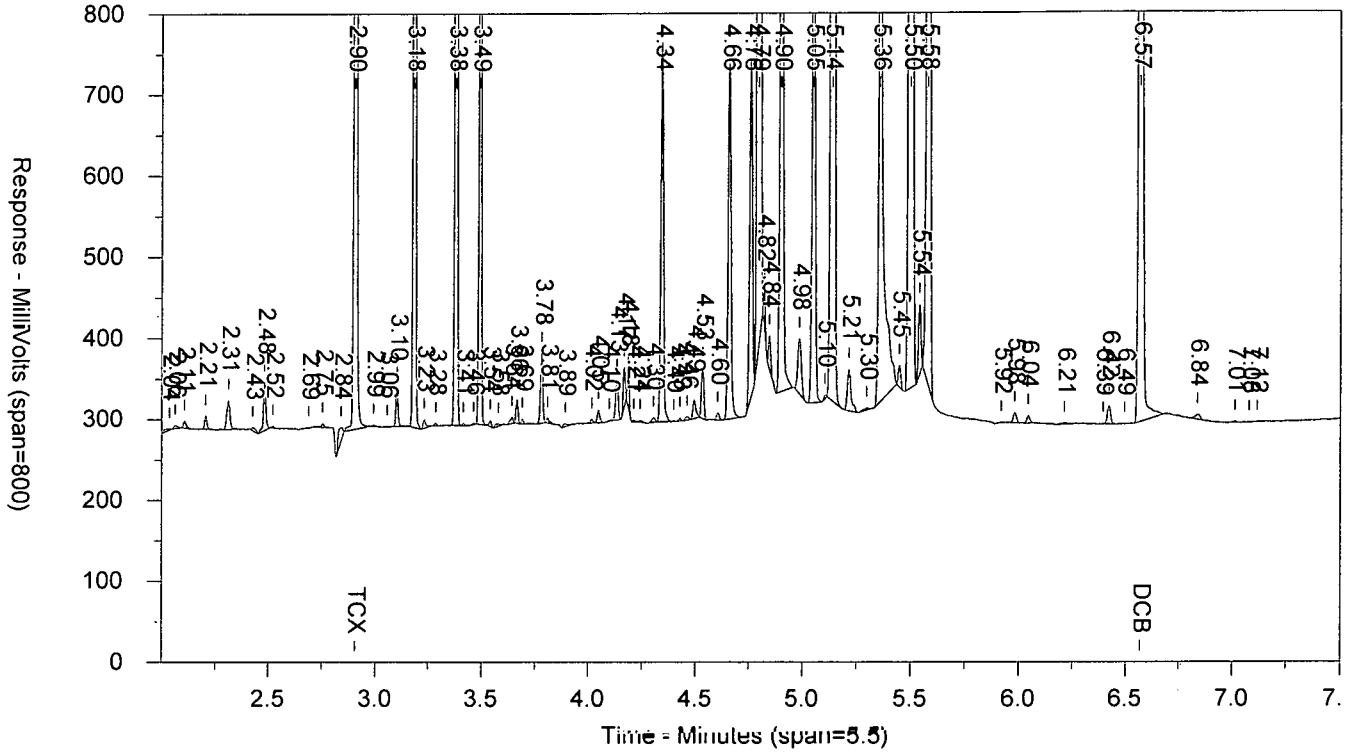

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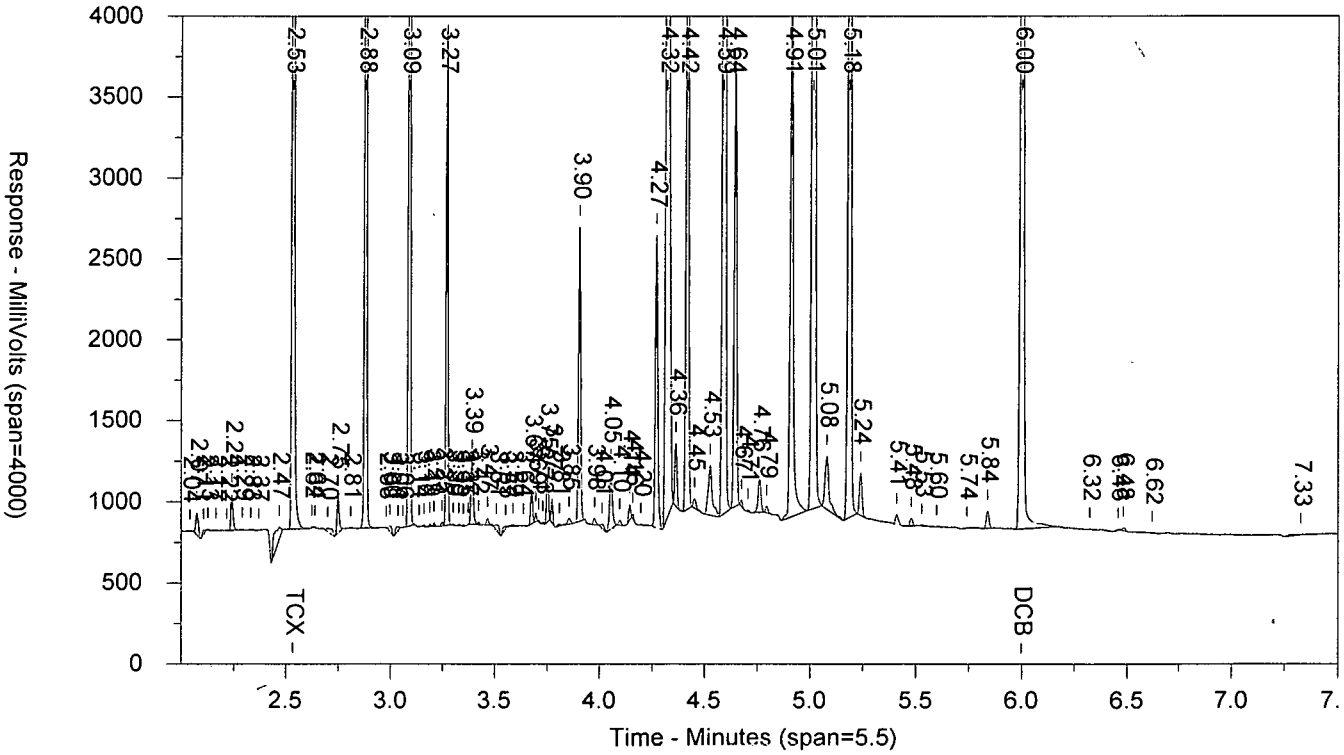


LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 10:57:01 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.007.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.025		3249	5225
2.065		4219	5311
2.121		1806	1283
2.205		1932	1643
2.304		16241	12041
2.348		1097	1601
2.463		1781	1223
2.493		1534	1223
2.514		1707	1080
2.629		1183	866
2.677		1144	1394
2.717		2488	3248
2.752		5633	20608
2.841		5138	9406
2.904	TCX	370812	264142
2.997		1227	1782
3.052		15227	13157
3.107		18816	15467
3.155		86460	65341
3.248		14115	14274
3.369		92283	54230
3.386		41514	21678
3.423		10022	5682
3.438		1961	702
3.45		5445	2832
3.483		106234	76097
3.539		3382	2417
3.56		3266	2211
3.592		21458	12655
3.607		10925	5011
3.65		49336	28233
3.661		100919	47424
3.697		116946	88509
3.754		100774	74599
3.794		7286	4889
3.822		73276	53625
3.849		61827	81636
3.92		992	505
3.944		80790	57122
3.968		27983	17185
3.998		28815	20451
4.032		81122	75178
4.071		24756	19348
4.119		2068	1363
4.134		2169	1241
4.157		3865	2440
4.191		75855	55149
4.208		18012	8897
4.232		20837	18227
4.301		11881	12342
4.344		82684	82366
4.439		1416	1354
4.479		6303	5579
4.53		9555	6514

RT A	Compound A	Height A	Area A
4.547		19140	12953
4.591		47658	43100
4.639		79493	84798
4.676		16206	10787
4.715		172359	158959
4.8		28647	29577
4.86		30359	26165
4.912		205726	252265
4.963		40156	37153
5.002		89401	104346
5.083		17485	20501
5.117		241447	246434
5.157		2671	1250
5.183		125713	115606
5.226		74044	71735
5.293		1218	2008
5.321		31265	24157
5.346		120854	108857
5.382		2050	940
5.402		60450	50636
5.442		37385	37573
5.483		5276	5576
5.525		41266	46268
5.583		311717	334386
5.689		5655	5892
5.788		215641	197681
5.82		10118	6439
5.844		45936	48919
5.886		4972	4021
5.98		4720	5277
6.06		39235	50783
6.155		1760	2214
6.216		86410	87163
6.263		5700	5375
6.308		1118	1308
6.418		22970	21062
6.446		2128	1188
6.534		3652	3388
6.567	DCB	291083	298039
6.686		1144	1612
6.837		5764	8071
7.423		760	1077
7.498		1018	1198
7.909		1064	3606
8.083		846	2178
8.354		2152	3597
8.515		6990	16025

LANCASTER LABORATORIES

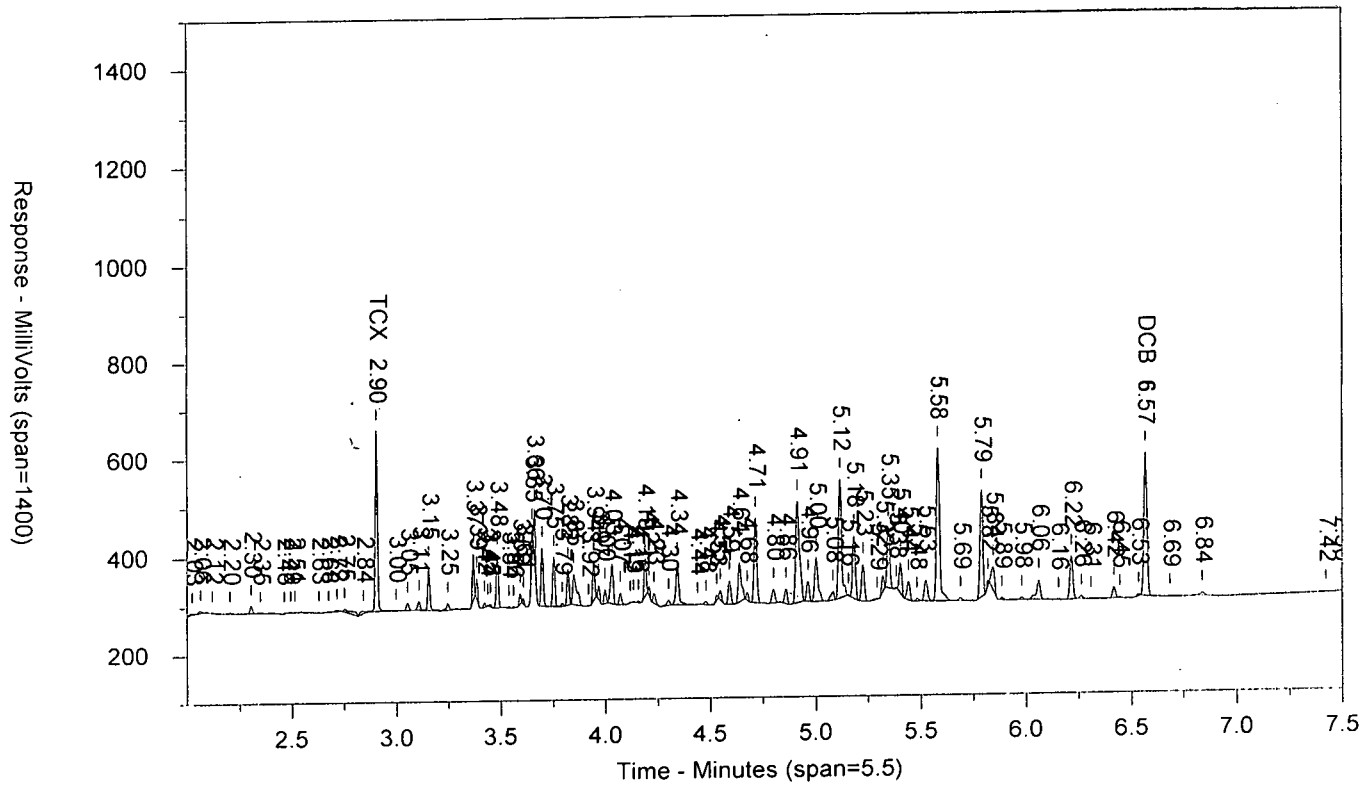
Sample Number: AR1611724B AAAR161AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 10:57:01 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.007.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.076		20743	24475
2.124		15905	38977
2.219		6906	5733
2.281		7856	7503
2.331		5929	5031
2.364		2751	1237
2.469		48094	120431
2.533	TCX	1271713	842960
2.577		28373	20827
2.623		4036	2001
2.705		85439	82531
2.75		21593	14470
2.766		67468	37441
2.817		345329	219766
2.864		5241	3662
2.896		1999	898
2.928		41317	29600
2.998		12774	12439
3.025		282806	140914
3.035		77903	30859
3.075		50189	29753
3.097		21028	13053
3.121		28968	15864
3.145		411836	276506
3.183		17266	11117
3.209		4820	2593
3.229		102523	53209
3.245		80274	51442
3.294		177216	92274
3.303		357426	158505
3.323		15906	5271
3.337		401121	276308
3.372		5603	3421
3.41		430152	277256
3.446		315801	199437
3.47		321791	186651
3.487		100870	50283
3.572		370051	242385
3.594		147715	79606
3.614		110235	64731
3.643		98840	49853
3.66		308278	189492
3.7		130243	87585
3.745		12447	8599
3.765		96246	55903
3.787		427385	287821
3.812		91465	53854
3.832		11961	5266
3.851		79348	56025
3.885		330570	231720
3.917		29825	17642
3.93		16151	7444
3.979		16707	15591
4.014		20712	24739

RT B	Compound B	Height B	Area B
4.05		13948	17660
4.079		116407	82270
4.12		101638	66215
4.139		84292	41729
4.152		230393	130588
4.176		141749	138055
4.227		724853	561977
4.275		9779	5656
4.295		44377	25462
4.32		166983	131912
4.361		831548	665484
4.416		8613	7676
4.46		640093	661670
4.488		2850	1157
4.51		96319	74434
4.549		227893	223894
4.584		820907	705885
4.616		457590	333124
4.654		329074	267710
4.75		99748	72785
4.768		12801	6235
4.799		573454	446709
4.821		67372	40384
4.871		297808	253797
4.906		170246	136812
4.938		125075	102258
4.969		56218	35446
4.991		1181684	1050414
5.033		27501	22767
5.063		45700	35781
5.098		29371	32695
5.184		15748	10975
5.208		291767	253172
5.251		825193	931346
5.362		34890	42101
5.409		23659	25100
5.456		29372	23391
5.476		10329	6965
5.527		169327	151730
5.637		369066	333559
5.669		23166	21258
5.726		3022	2533
5.748		5046	4218
5.837		110943	95302
5.874		35889	32391
5.906		6326	5125
5.995	DCB	1243120	1180644
6.217		3033	2260
6.323		3796	21140
6.482		22694	39965
6.676		5259	10071
6.948		4147	4844
7.31		2717	14736
7.521		2264	2485
7.609		1246	4148
7.738		2363	2795
7.829		11723	17762
8.013		10824	19809
8.116		2133	1634
8.342		5207	8768
8.527		2121	897

AR1611724B AAAR161AA ICAL 1727799999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.007.RAW



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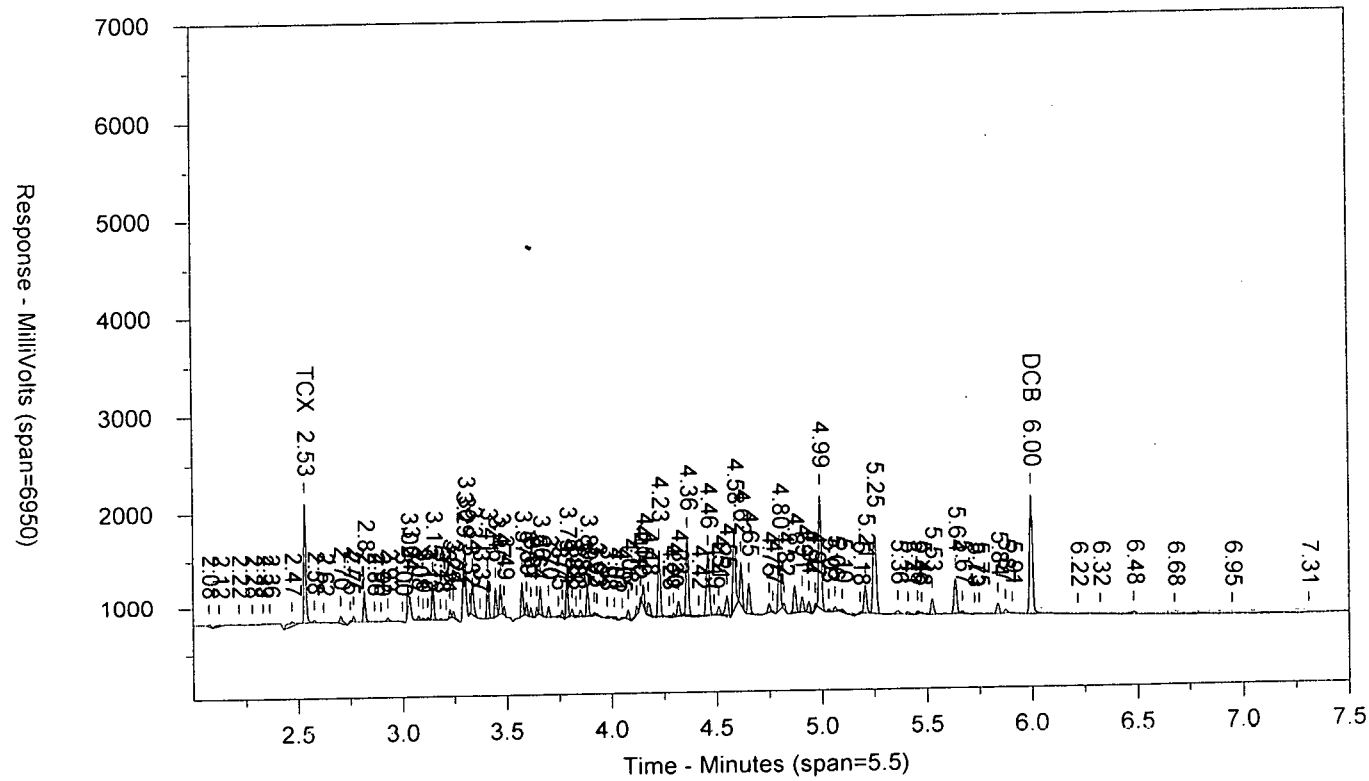

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 10:57:01 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	370812	1.943	TCX	2.533	1271713	1.891	TCX
6.567	291083	2.272	DCB	5.995	1243120	2.642	DCB

Files:
Area File: 20PCBS17278001.007.RAW
Area File: 20PCBS17278001B.007.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 11:05:43 PM
File Reported On: 10/5/2017 at 11:05:57 PM

AR1611724B AAAR161AA ICAL 1727799999 10736 SW-846 8082

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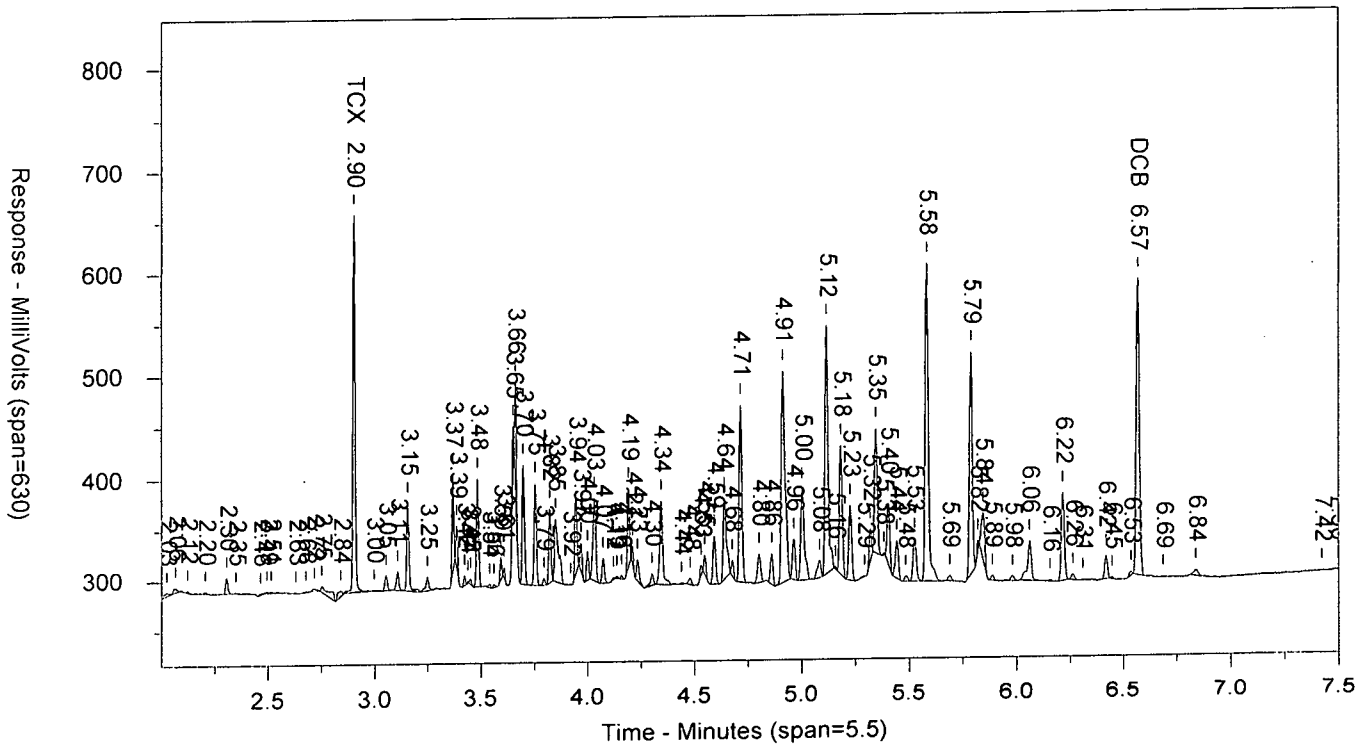

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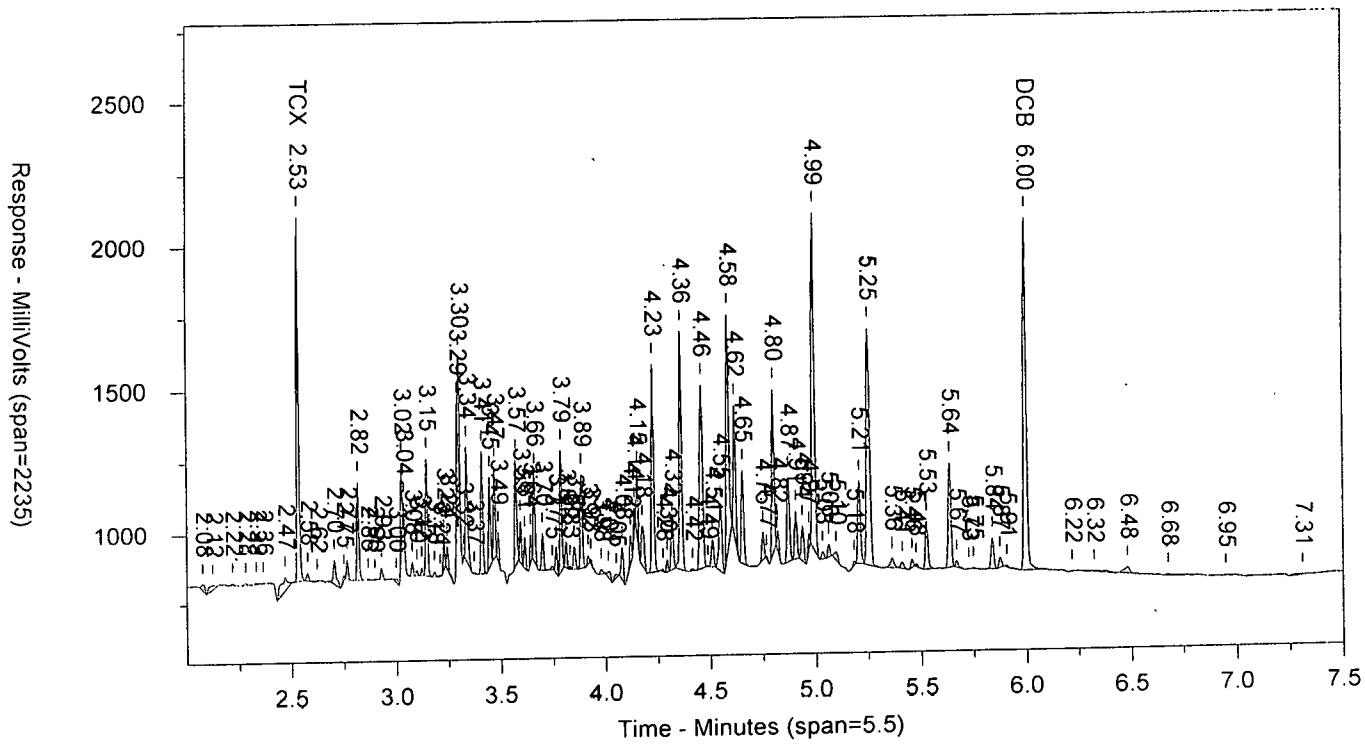

AR1611724B AAAR161AA ICAL 1727799999 10736 SW-846 8082

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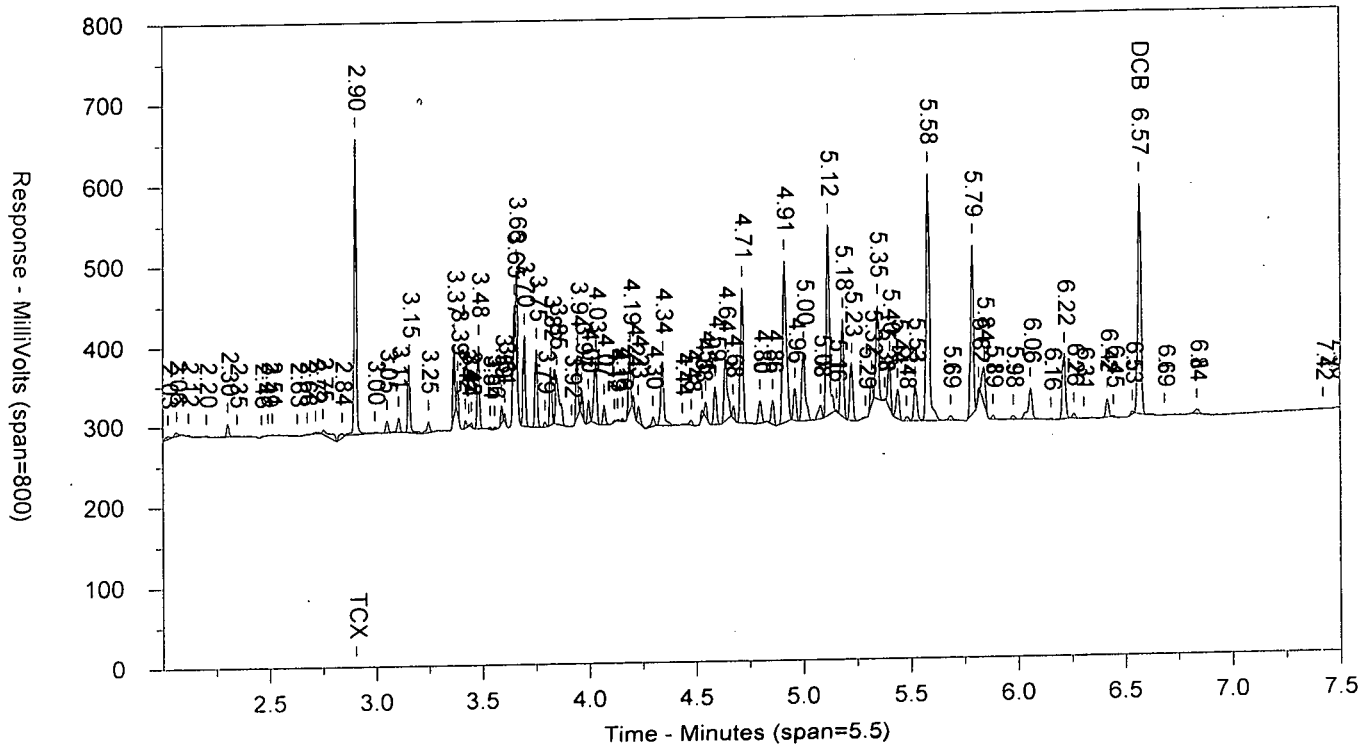

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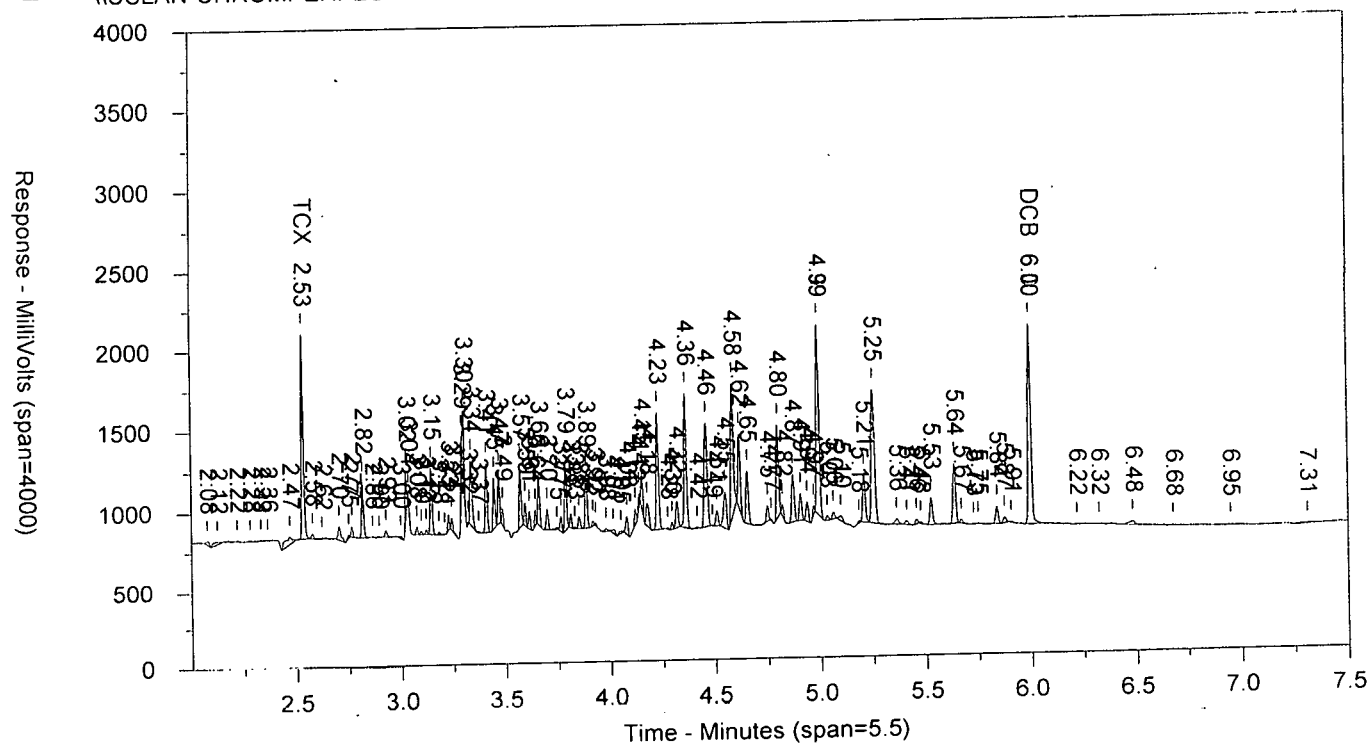

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:08:05 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.008.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.035		3091	10177
2.066		4923	10640
2.206		3455	2505
2.304		20162	15016
2.49		3033	9144
2.516		1328	1133
2.544		2104	1521
2.705		2421	4067
2.752		8205	6735
2.835		5161	7014
2.904	TCX	715364	519622
3.051		28327	25024
3.107		34500	28323
3.154		160017	109183
3.246		25296	27121
3.368		168714	100149
3.384		78528	40754
3.421		18133	10168
3.436		2877	945
3.448		9678	4965
3.481		193851	142251
3.535		5272	3605
3.558		5200	3255
3.59		41266	23650
3.604		20283	9513
3.647		80102	49240
3.658		174741	88536
3.694		230544	166241
3.751		194226	141391
3.791		14589	9638
3.819		139333	99219
3.846		98057	81544
3.868		20793	9660
3.941		154446	106054
3.965		52499	33090
3.995		54850	39151
4.029		151832	140995
4.068		47733	35868
4.114		5098	3302
4.132		1882	974
4.153		6588	4624
4.187		141864	100482
4.205		29868	16386
4.229		38881	29766
4.298		21559	18084
4.34		147300	140227
4.374		5384	3677
4.436		2308	2362
4.476		9172	8526
4.527		19746	12387
4.544		34795	24215
4.588		90561	80251
4.636		144733	158158
4.672		32159	21176

RT A	Compound A	Height A	Area A
4.711		326122	297762
4.754		1905	1481
4.797		49967	52546
4.83		2888	1968
4.857		61283	57155
4.909		382211	467702
4.959		75330	70266
4.998		173294	192787
5.08		32819	39387
5.114		438374	397401
5.136		13831	6714
5.18		227631	215312
5.222		143894	135412
5.318		52114	42137
5.343		233277	204961
5.4		122686	110504
5.439		68294	70446
5.481		11009	11720
5.522		78542	85847
5.58		547949	597933
5.785		382907	364557
5.816		19566	13269
5.841		84217	95120
5.907		1814	1787
5.977		9124	9214
6.033		4048	3927
6.058		65697	59446
6.215		155923	165348
6.259		9685	9184
6.417		44679	44389
6.564	DCB	522842	558045
6.836		6315	9272
7.149		629	1332
7.398		1590	3395
8.066		1116	1161
8.353		2408	5203
8.512		7791	18547

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:08:05 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.008.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.034		3306	5900
2.129		25890	81826
2.157		4579	5115
2.22		11031	11834
2.282		8930	5885
2.332		7861	16006
2.452		21003	46530
2.47		39161	32585
2.533	TCX	2296187	1490864
2.578		53776	38027
2.628		5667	18829
2.705		163148	170503
2.75		43183	32095
2.766		122067	67658
2.817		583032	387197
2.865		9550	9629
2.928		81527	57420
3		38486	32879
3.025		463753	235637
3.035		128591	46591
3.076		92846	56074
3.096		42799	24620
3.121		61576	33772
3.145		729256	491004
3.183		30764	17560
3.209		7509	3500
3.229		185473	96246
3.244		113994	82637
3.294		310764	148248
3.302		658829	281625
3.323		21295	7846
3.336		709695	489698
3.409		773944	495636
3.445		547064	351340
3.468		578612	325491
3.485		189150	94099
3.57		657623	475224
3.592		263160	141399
3.613		247628	150724
3.641		168188	87759
3.658		557648	338723
3.696		227898	156411
3.744		25624	18839
3.762		157094	87871
3.785		758704	509506
3.81		162732	92788
3.829		29549	13798
3.849		124635	83361
3.883		600872	417814
3.915		32986	17781
3.928		45032	23622
3.976		15742	16953
4.011		40736	38387
4.049		30033	42692

RT B	Compound B	Height B	Area B
4.077		180245	128403
4.117		187907	116115
4.136		155840	78008
4.149		421861	236391
4.174		254741	252800
4.224		1312970	1022113
4.272		31358	26344
4.293		52412	27944
4.317		323038	252365
4.358		1534233	1224062
4.409		3718	3792
4.458		1125601	1240228
4.508		188230	157055
4.546		422244	376771
4.582		1392934	1191603
4.614		814501	588866
4.651		584375	474599
4.747		187361	139183
4.765		23308	12323
4.797		1015827	811196
4.82		118342	75196
4.87		523072	448666
4.904		302746	244569
4.935		226211	185623
4.966		107473	66250
4.989		2233660	1900138
5.031		53020	41523
5.061		87645	68696
5.092		24042	67923
5.181		32438	25909
5.205		518186	454759
5.249		1455231	1779039
5.407		50357	57802
5.454		56365	42375
5.474		23190	15800
5.524		306760	274065
5.634		667424	593477
5.667		44433	41040
5.738		17627	44189
5.836		205130	183830
5.874		12797	45937
5.994	DCB	2095883	2106100
6.168		6214	8946
6.225		2526	3628
6.255		8325	13397
6.321		3978	3796
6.377		6168	14289
6.481		29236	67310
6.68		4355	7145
6.726		5758	5845
6.95		6354	8654
7.198		5973	8164
7.252		2095	4741
7.391		1206	3426
7.475		3158	3779
7.677		2377	2548
7.826		14003	33857
8.008		11169	22958
8.176		2288	1864
8.297		1961	854
8.333		2718	2221

AR1621724B AAAR162AA ICAL 1727799999 10736 SW-846 8082

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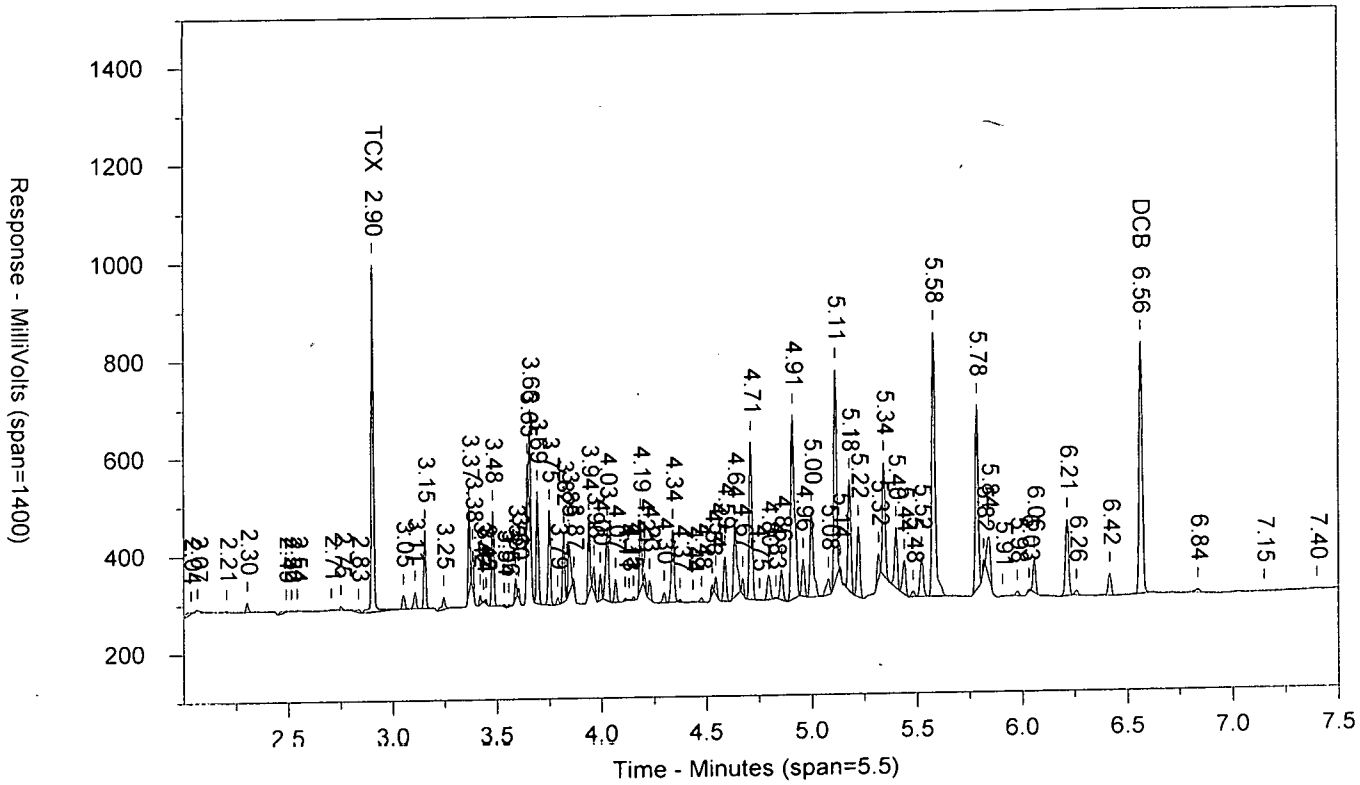

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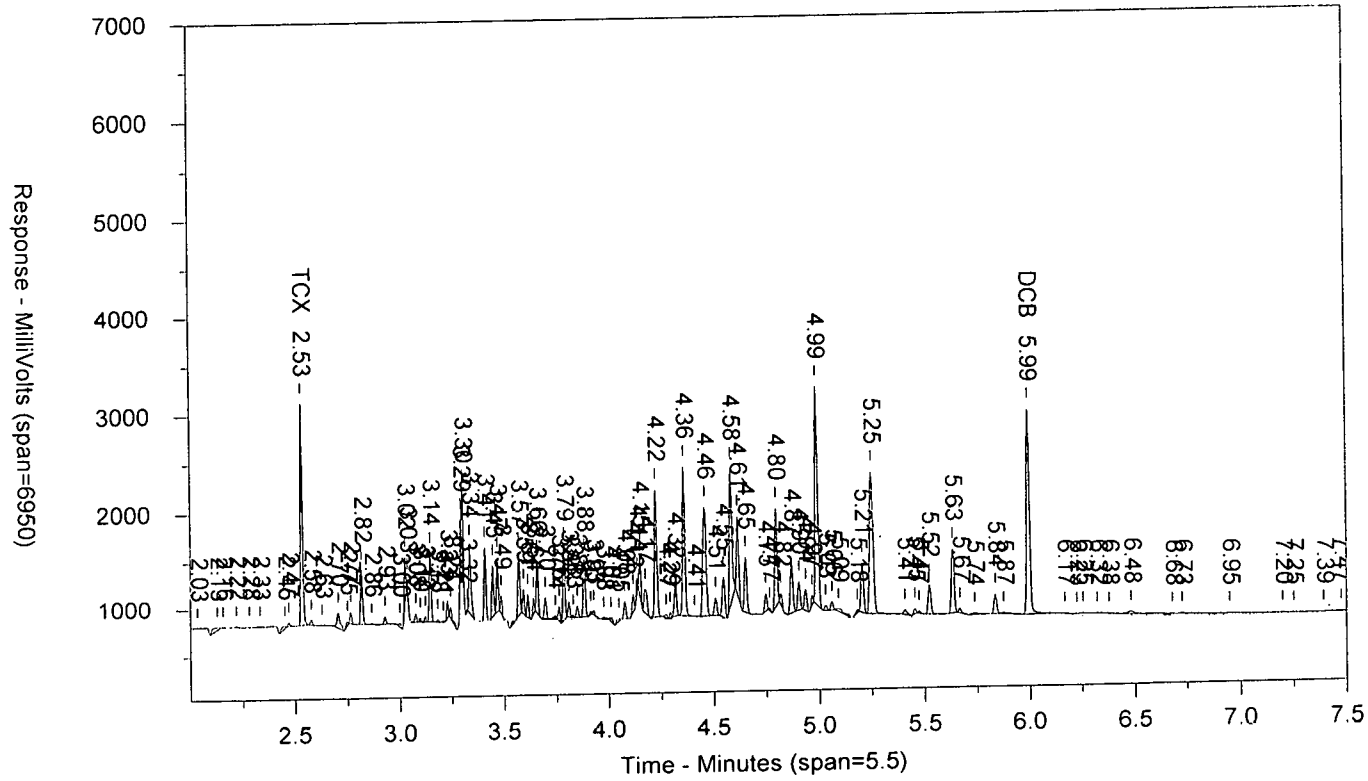

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:08:05 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP20-17342
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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	715364	3.751	TCX	2.533	2296187	3.517	TCX
6.564	522842	4.03	DCB	5.994	2095883	4.322	DCB

Files:
Area File: 20PCBS17278001.008.RAW
Area File: 20PCBS17278001B.008.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 11:16:49 PM
File Reported On: 10/5/2017 at 11:17:01 PM

AR1621724B AAAR162AA ICAL 1727799999 10736 SW-846 8082

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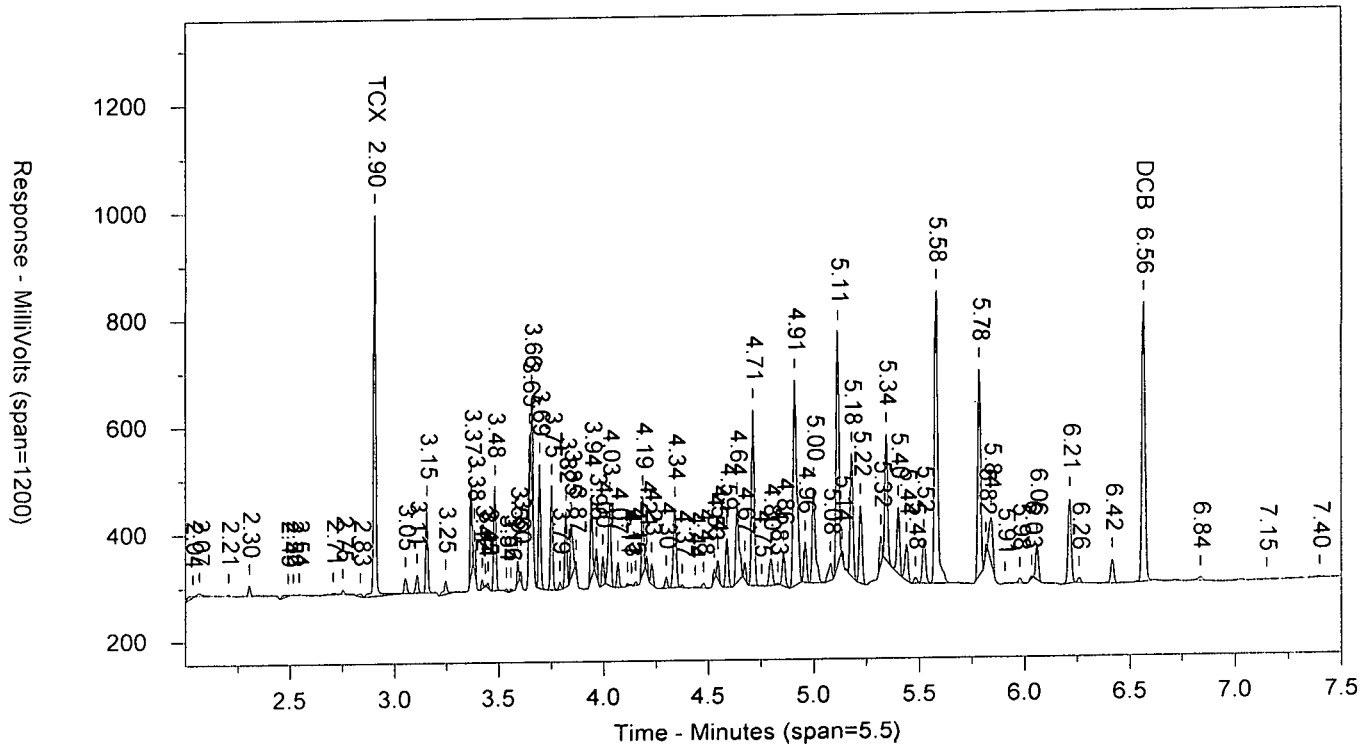

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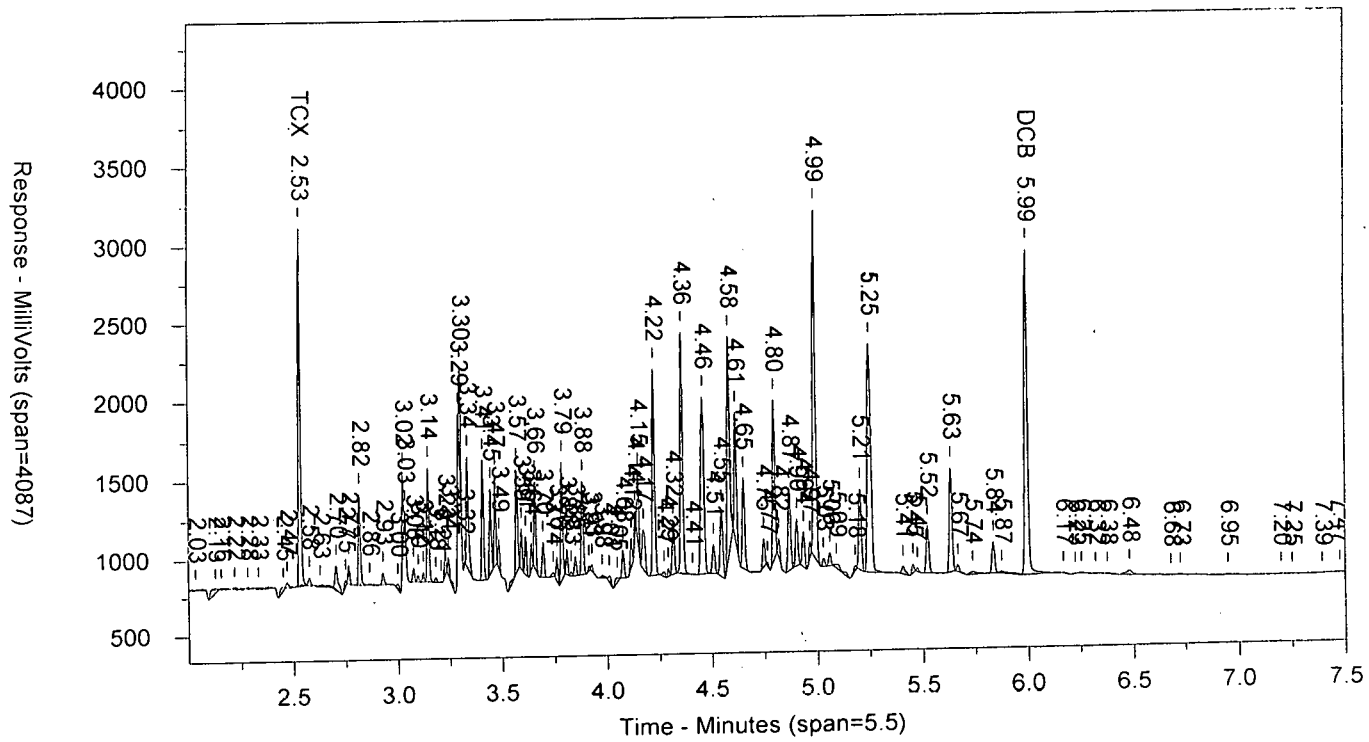

AR1621724B AAAR162AA ICAL 1727799999 10736 SW-846 8082

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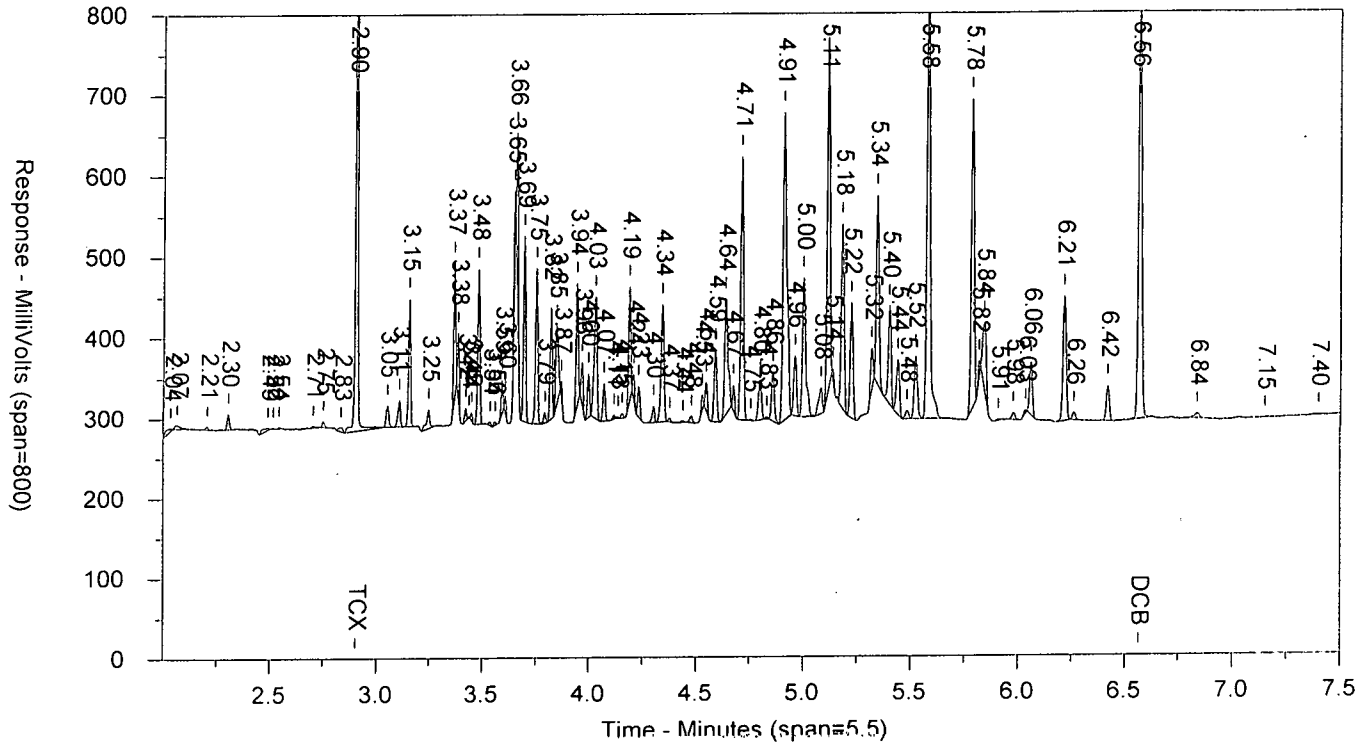

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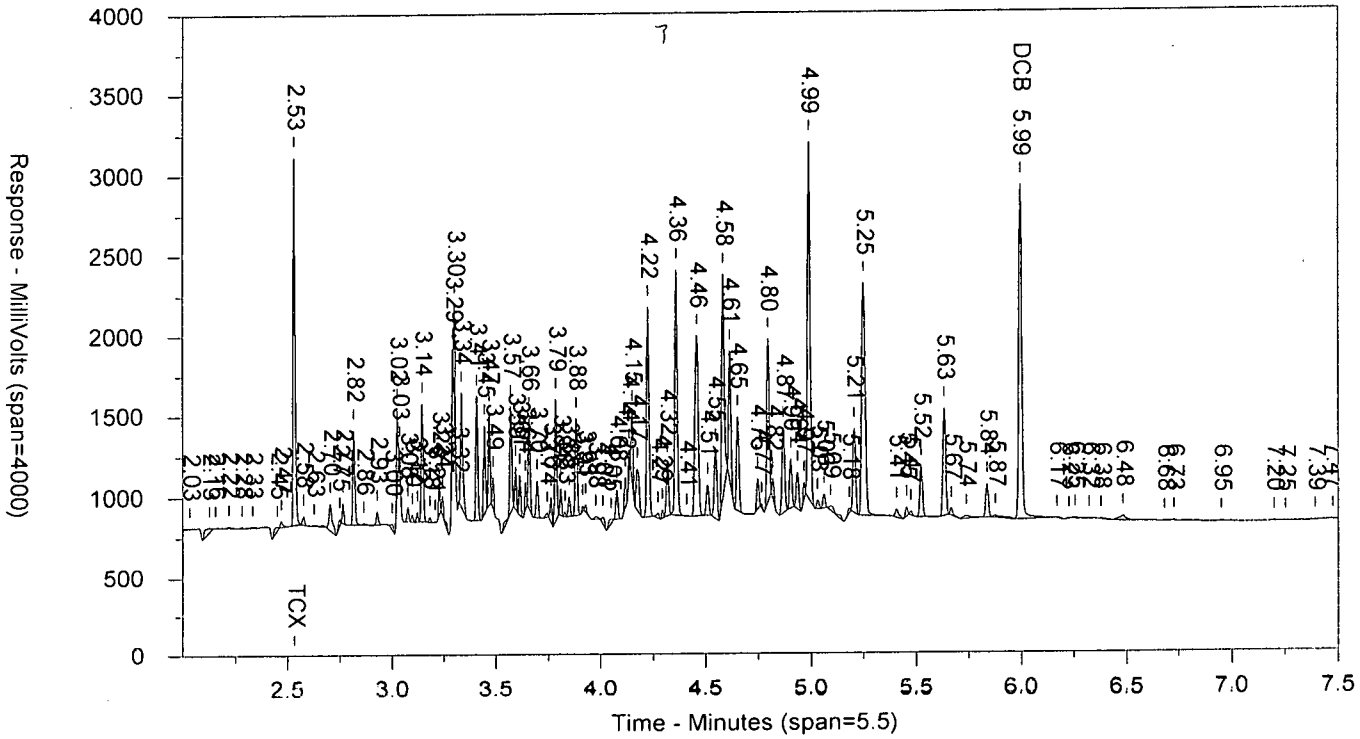

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:19:22 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.009.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.029		3066	6698
2.061		4405	10745
2.206		17294	12938
2.305		12511	12870
2.467		2240	2494
2.513		832	531
2.545		3859	2921
2.679		832	1035
2.718		929	1268
2.753		4616	4378
2.835		3936	5308
2.904	TCX	3989967	2605076
2.999		1679	1373
3.051		56088	48454
3.106		77800	74995
3.154		316791	217237
3.229		6650	3783
3.247		39587	25305
3.288		1859	2087
3.368		338658	200291
3.385		161139	82924
3.422		37228	21277
3.436		5780	1904
3.449		20774	10507
3.482		391921	286164
3.518		1625	738
3.538		11556	7162
3.557		11248	6840
3.591		85197	47771
3.606		41453	20663
3.649		195444	101561
3.659		381250	188394
3.696		463427	337932
3.752		395660	287287
3.793		29128	20644
3.82		275361	200612
3.848		196932	160953
3.869		46469	23090
3.942		306776	213939
3.966		106615	68154
3.997		114871	79244
4.03		310968	288451
4.069		95418	73733
4.117		10535	7762
4.155		16166	11464
4.188		284155	206539
4.207		58980	30732
4.231		77154	58602
4.299		43238	35389
4.342		296061	282636
4.375		8867	6385
4.438		3209	2721
4.478		20754	19055
4.529		32014	22430

RT A	Compound A	Height A	Area A
4.545		73311	48446
4.589		188904	163607
4.637		297803	321179
4.674		64660	43939
4.713		660726	605031
4.756		2346	1771
4.798		104561	104249
4.83		5180	3139
4.858		122493	109189
4.91		762868	956395
4.961		158220	142745
5		349886	388355
5.081		66173	79211
5.115		896458	819891
5.138		37581	17336
5.157		7324	3051
5.182		492074	434650
5.224		285303	271588
5.319		112273	89719
5.344		484135	422471
5.401		251988	227553
5.44		144791	142205
5.483		22620	23279
5.524		156679	172818
5.581		1233736	1288863
5.786		781045	744294
5.818		39219	23724
5.843		172154	189047
5.978		25520	25805
6.059		142973	184674
6.215		324793	323153
6.261		18606	17154
6.418		105534	106029
6.567	DCB	2665867	2726901
6.837		6122	10656
7.011		2782	4498
7.269		887	1035
8.019		752	1502
8.354		2423	4549
8.511		7235	15925

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:19:22 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.009.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.079		30777	36119
2.164		20180	136432
2.219		16809	15687
2.281		5743	4159
2.332		6605	11893
2.396		32163	89089
2.457		5848	30196
2.469		21414	13482
2.532	TCX	11295420	7102351
2.577		93355	62653
2.704		268359	226454
2.75		162040	85545
2.765		215144	113611
2.817		1142358	737786
2.865		43648	27170
2.928		154978	105793
3.024		859846	431248
3.034		239965	99148
3.075		186203	116325
3.096		86898	49764
3.121		124636	69671
3.145		1368566	946454
3.182		59169	34796
3.209		42182	21852
3.229		359660	190302
3.244		211926	104136
3.294		582673	288809
3.302		1316644	569728
3.323		45159	15995
3.336		1336495	952906
3.409		1490020	976438
3.446		1044779	671669
3.468		1089353	618709
3.486		357768	185908
3.571		1279388	850262
3.593		494380	273154
3.614		488444	297369
3.642		333269	172833
3.659		1118983	672274
3.698		450053	309112
3.745		55043	40269
3.764		312109	179362
3.786		1441907	945478
3.811		311327	189587
3.83		51093	24286
3.85		215565	137964
3.884		1178037	821574
3.916		62588	33639
3.93		86312	52084
3.977		18362	21920
4.021		68259	56415
4.048		13521	15765
4.078		346977	249776
4.119		363591	224610

RT B	Compound B	Height B	Area B
4.138		277606	143853
4.151		816962	465813
4.175		501950	497335
4.226		2507834	1982997
4.274		37607	25456
4.294		206322	130454
4.319		586688	467107
4.36		2972252	2381208
4.459		2267714	2400100
4.51		353971	301213
4.548		758457	674998
4.583		2860402	2460115
4.615		1542974	1151128
4.653		1153277	931505
4.749		369208	276468
4.767		50634	25626
4.799		1922697	1560303
4.821		239349	145885
4.871		1057799	959042
4.906		588486	476190
4.937		454308	363808
4.968		208874	128555
4.991		4219864	3744303
5.033		111957	81730
5.062		183806	148739
5.099		27805	31173
5.183		56135	36631
5.206		995824	876291
5.25		2918681	3425817
5.37		4789	3221
5.408		122034	111924
5.454		95415	69801
5.476		73734	51925
5.525		583000	539840
5.635		1270463	1144652
5.668		83503	64305
5.731		5051	7524
5.837		451210	406153
5.996	DCB	9312170	8813265
6.172		7251	9997
6.453		9374	9240
6.483		17942	18688
6.62		3877	4662
6.73		4159	5687
6.956		4485	10251
7.196		3609	3975
7.684		2117	2640
7.828		12892	29249
7.954		1938	6003
8.007		10229	18484
8.183		2017	1329
8.321		2470	987
8.525		1758	2030

AR1631724B AAAR163AA ICAL 1727799999 10736 SW-846 8082

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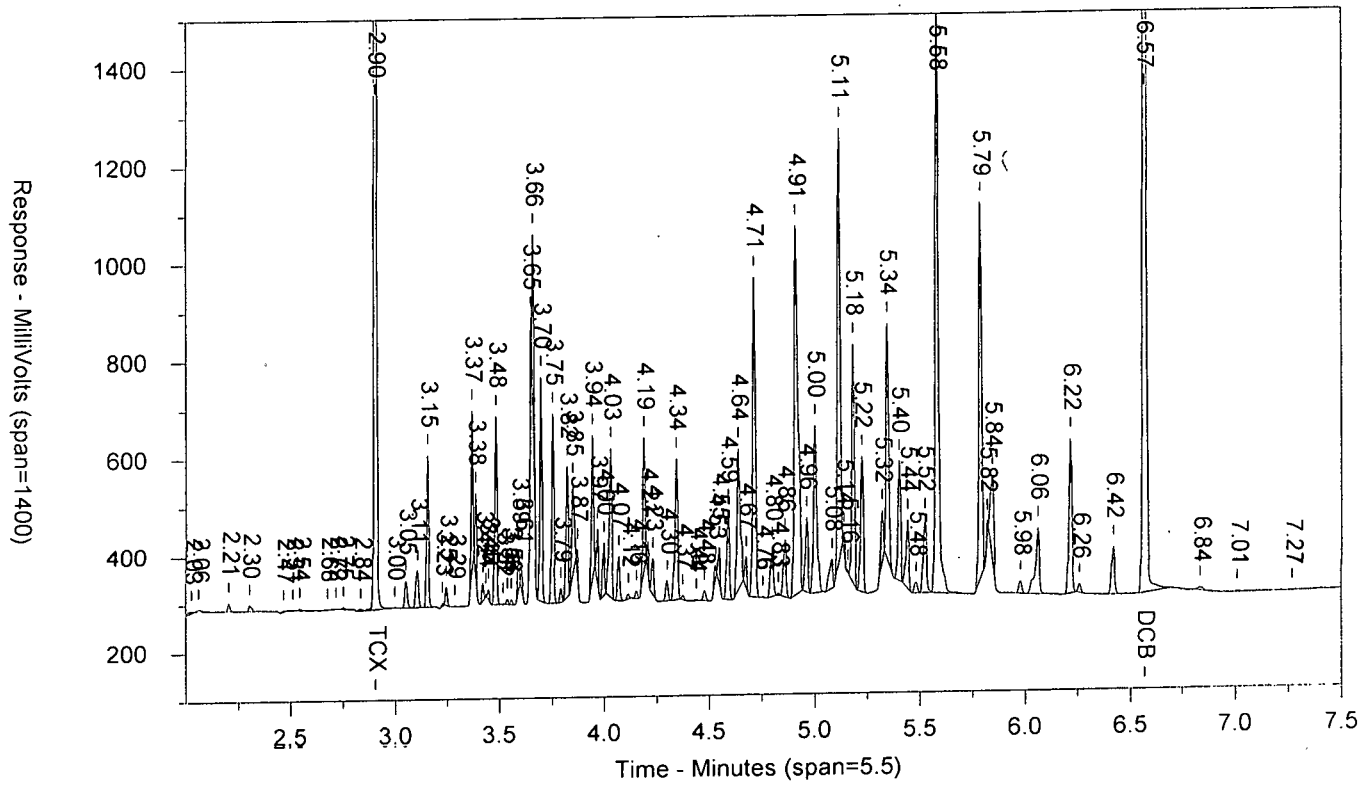

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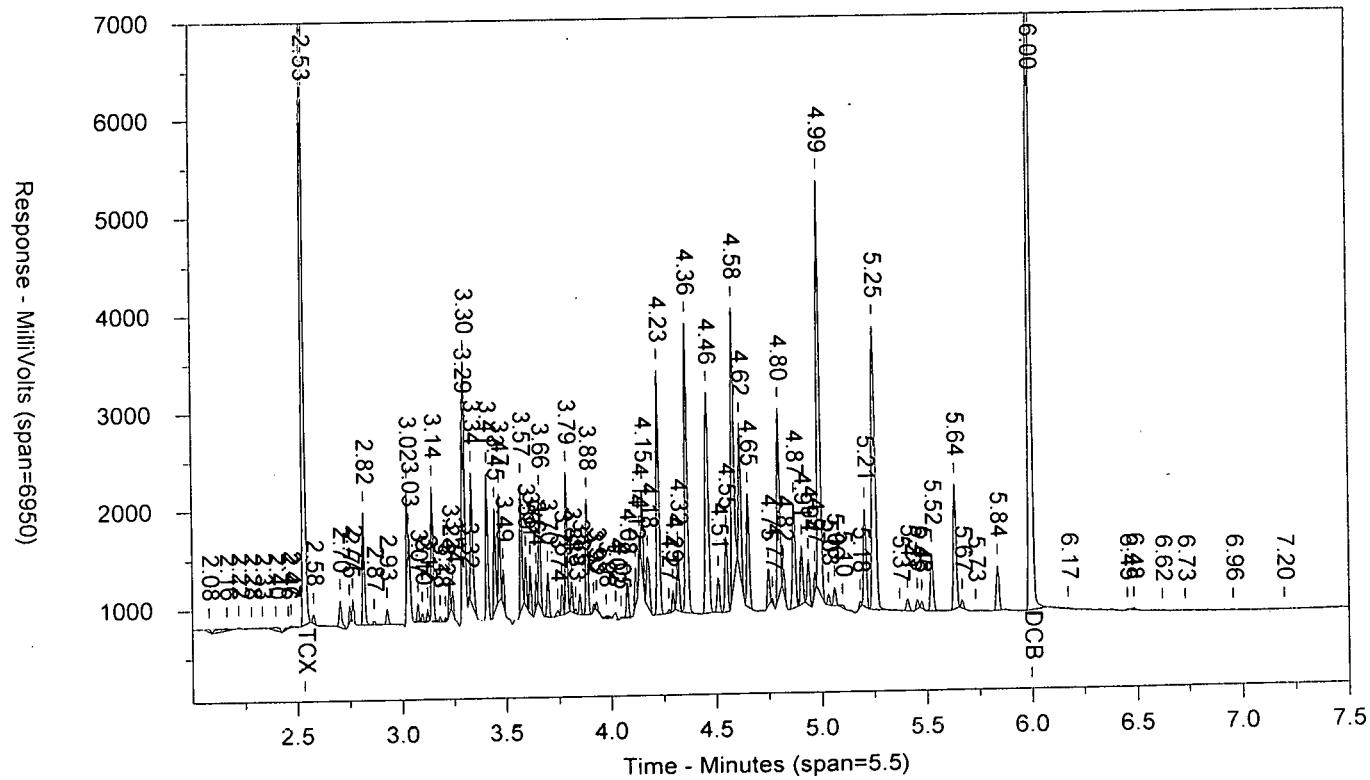

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:19:22 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	3989967	20.789	TCX	2.532	11295420	17.631	TCX
6.567	2665867	20.314	DCB	5.996	9312170	18.819	DCB

Files:
Area File: 20PCBS17278001.009.RAW
Area File: 20PCBS17278001B.009.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 11:28:04 PM
File Reported On: 10/5/2017 at 11:28:19 PM

AR1631724B AAAR163AA ICAL 1727799999 10736 SW-846 8082

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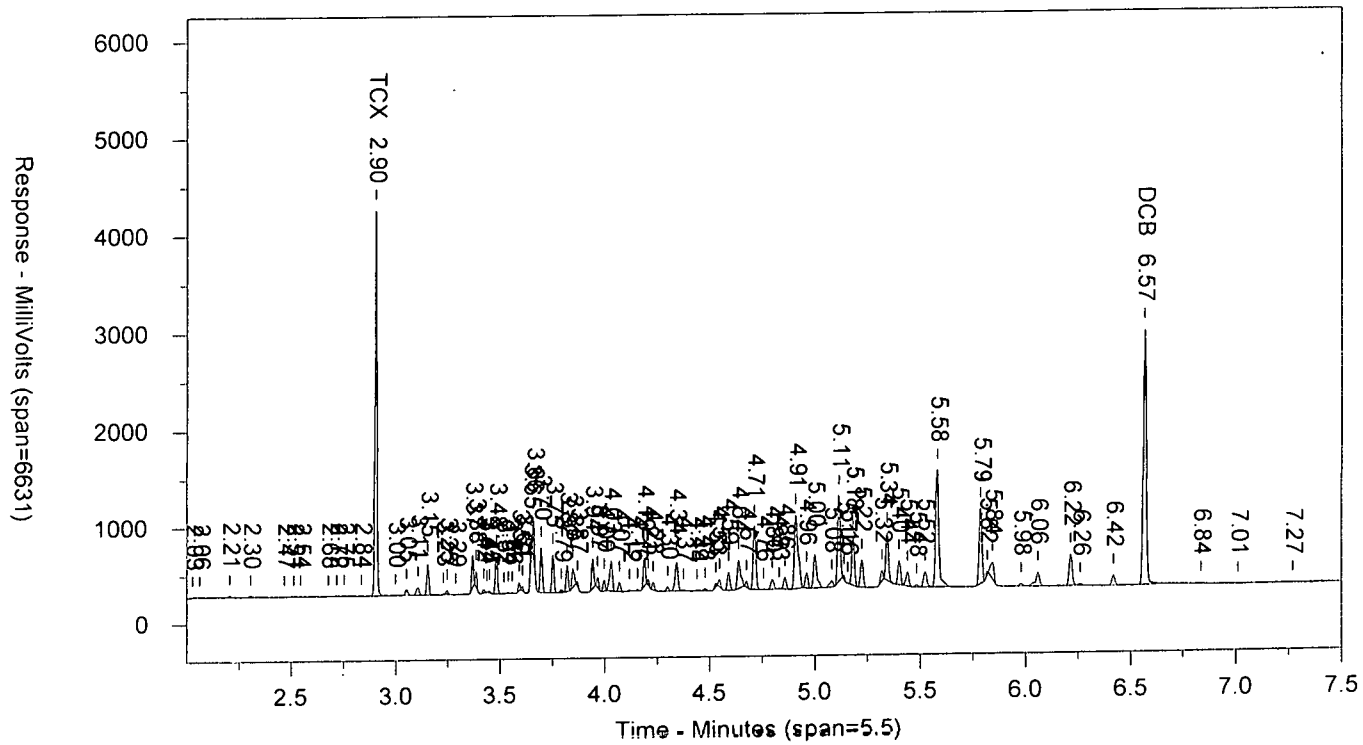

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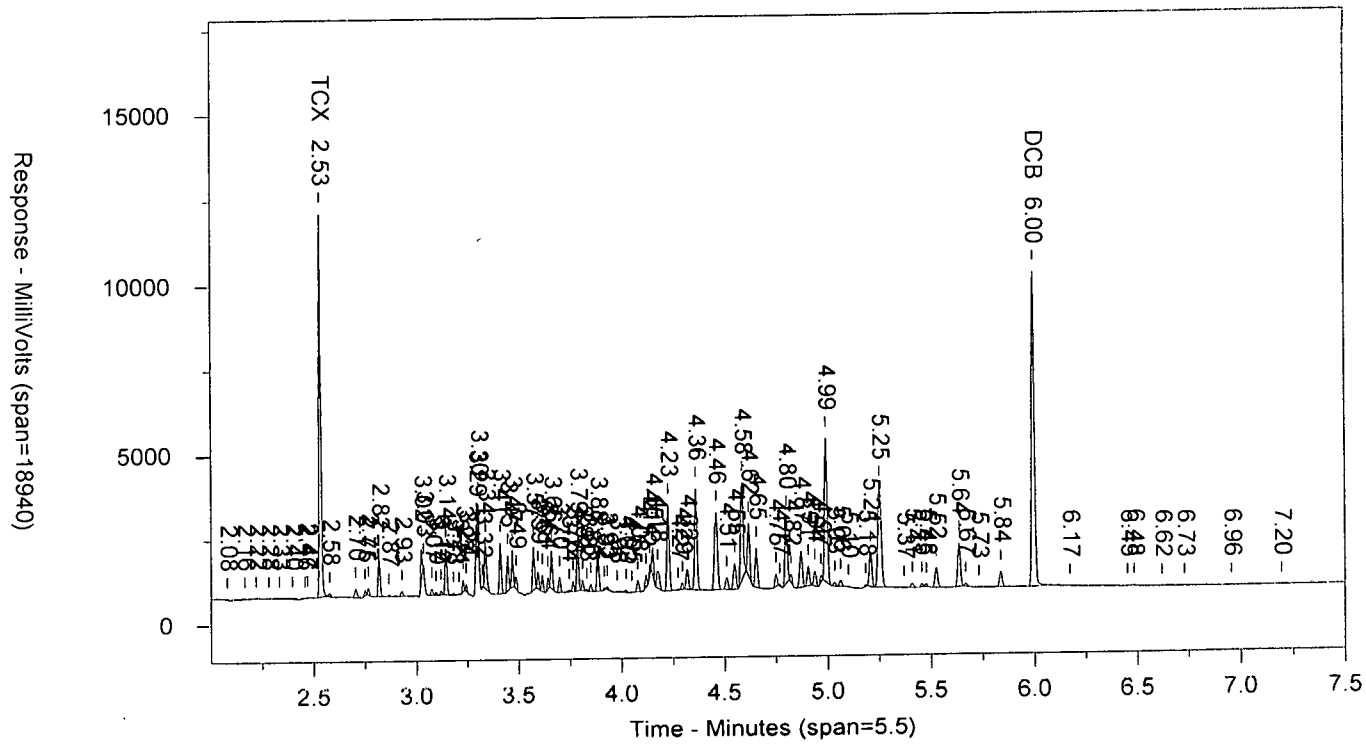

AR1631724B AAAR163AA ICAL 1727799999 10736 SW-846 8082

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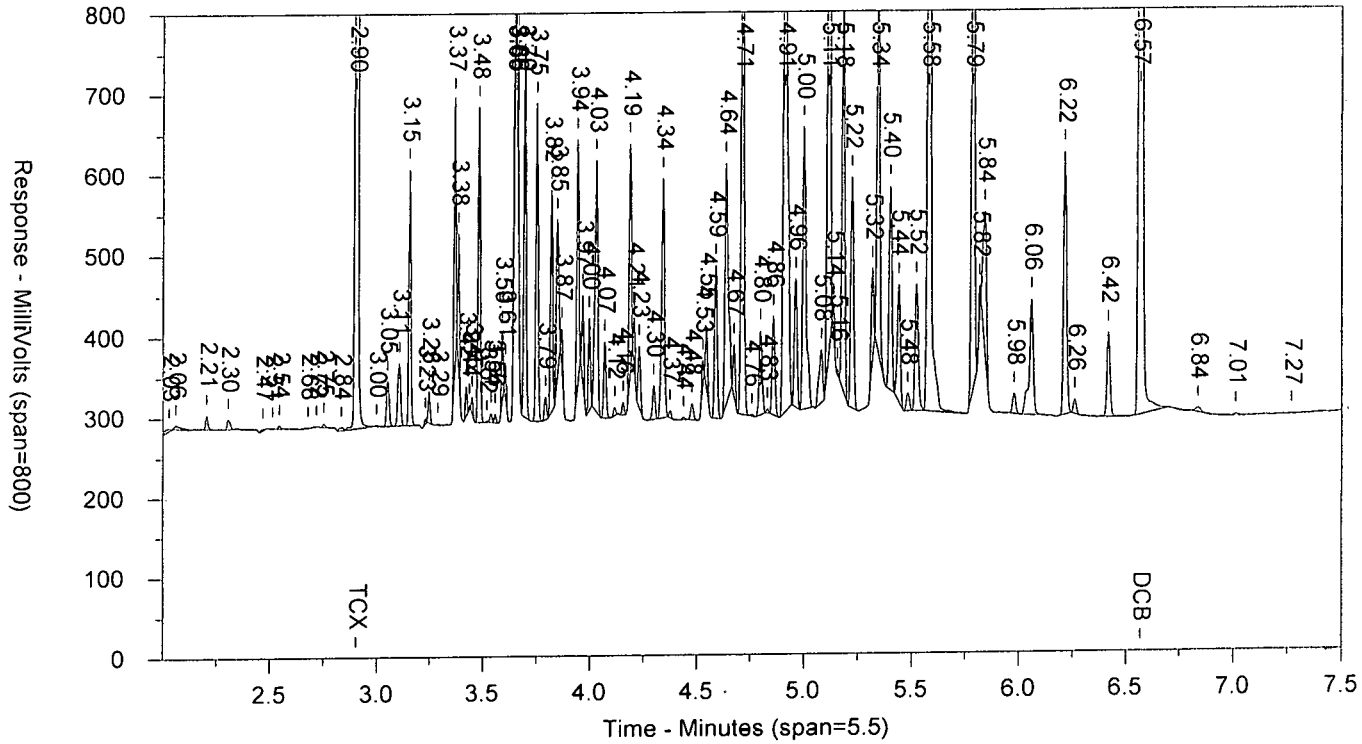

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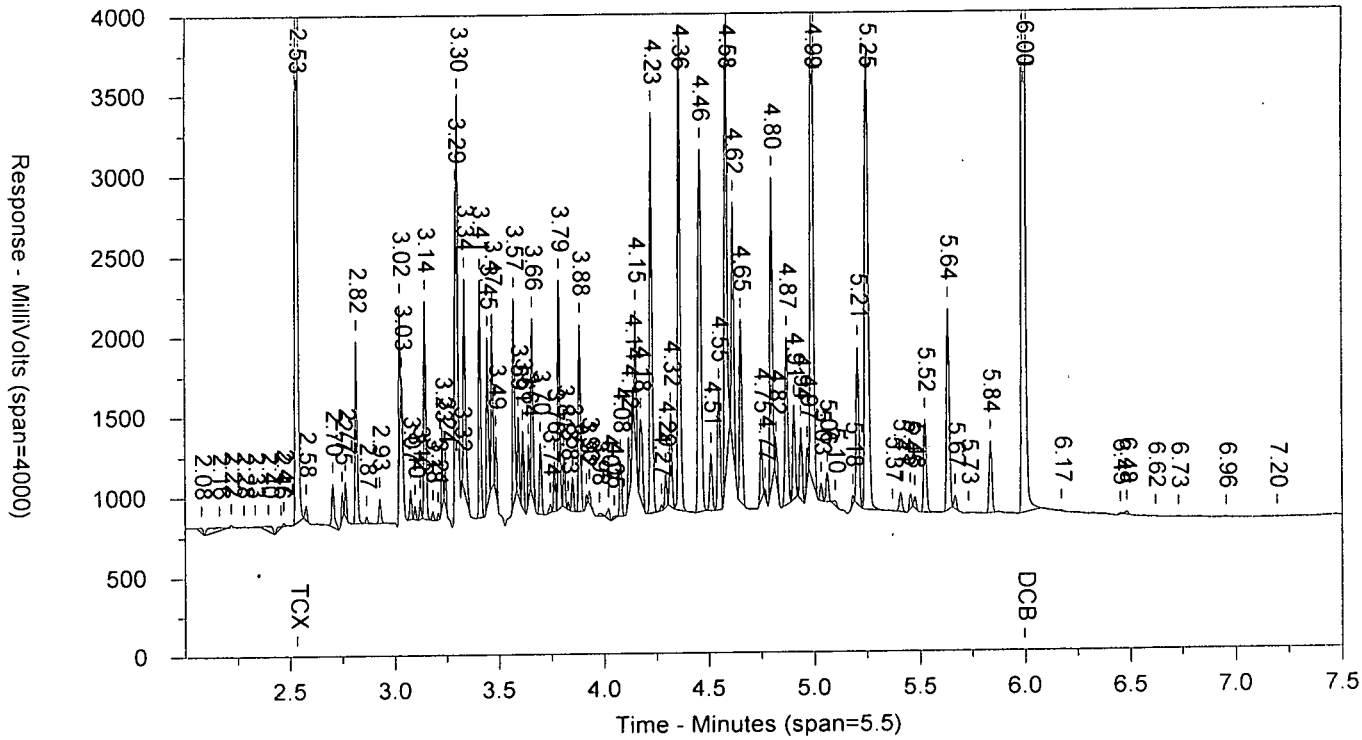

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:30:41 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.010.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.027		3422	7188
2.065		5530	11531
2.205		33390	25802
2.305		25064	26715
2.466		2201	1974
2.512		2418	2670
2.544		7652	5986
2.685		1225	939
2.753		11013	19362
2.839		4857	7203
2.904	TCX	8112340	5291903
3.003		2951	2858
3.052		110175	94082
3.106		151370	146700
3.155		639086	438362
3.23		12109	7004
3.247		72126	46640
3.289		2545	2489
3.368		635702	391541
3.385		296937	160962
3.422		75121	42060
3.437		11830	4164
3.449		39795	20459
3.482		774461	572563
3.52		3243	1599
3.538		21665	12974
3.557		22918	13760
3.591		169346	95659
3.606		86248	40933
3.649		394874	231599
3.66		799244	374337
3.696		941396	678781
3.752		806657	582078
3.793		59780	41812
3.82		549401	394672
3.848		392447	318526
3.869		104243	53448
3.943		604934	422723
3.966		209428	133371
3.997		220123	157969
4.03		653452	580044
4.069		191549	148025
4.116		26553	21865
4.155		34071	24787
4.188		553059	400141
4.206		116339	59671
4.23		155581	117370
4.3		84148	70459
4.342		591950	551789
4.376		17826	12496
4.437		4375	3317
4.478		41219	38124
4.529		72105	45284
4.545		141046	95929

RT A	Compound A	Height A	Area A
4.59		367165	321730
4.638		579176	629582
4.674		125587	84851
4.713		1327590	1193207
4.758		5049	3656
4.798		211169	206452
4.831		10180	6674
4.859		237274	211915
4.911		1549201	1884700
4.961		298857	279509
5.001		713283	773428
5.082		135907	156547
5.115		1986492	1939011
5.156		14269	6014
5.182		930324	856959
5.224		566040	532382
5.32		223750	175946
5.345		928306	834778
5.402		497651	454289
5.44		278237	275555
5.483		42039	46221
5.524		321495	341531
5.581		2571722	2563534
5.786		1584555	1486638
5.818		72618	52044
5.842		335105	354348
5.935		1201	506
5.978		44563	42699
6.036		10702	12092
6.059		254536	231006
6.215		663284	635570
6.26		37767	34393
6.418		197520	198970
6.566	DCB	5461286	5421234
6.84		6301	9697
7.009		4540	5250
7.203		916	716
7.264		916	1129
7.428		861	1732
7.797		872	1570
8.352		1165	2246
8.513		7150	17666
8.67		3641	7318

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:30:41 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.010.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.126		14783	46014
2.158		3461	2163
2.22		30148	27786
2.312		2043	1597
2.33		9070	9517
2.377		2308	1387
2.455		13821	33280
2.47		40845	26107
2.491		5008	2327
2.533	TCX	23074120	14184360
2.577		180086	120382
2.626		7377	8114
2.705		491862	379336
2.75		295097	150042
2.766		399426	217334
2.817		2096781	1370740
2.866		82678	49790
2.928		302956	206223
3.003		16791	10148
3.025		1537229	799110
3.035		458408	181696
3.076		357031	223430
3.096		177304	98628
3.121		239947	135194
3.145		2590190	1773238
3.183		115327	68691
3.209		98330	49730
3.229		694518	365086
3.244		398294	192874
3.294		939559	488398
3.303		2423156	1116302
3.323		78819	30693
3.337		2571990	1807339
3.41		2869548	1877472
3.446		1977133	1257169
3.469		2107707	1169076
3.486		703338	356467
3.571		2425718	1618530
3.593		950949	522300
3.614		956082	565879
3.642		655345	328872
3.659		2143255	1279088
3.698		848016	590470
3.745		113775	88328
3.765		594362	341502
3.787		2650796	1753818
3.811		601075	363841
3.83		99446	47613
3.85		372045	238974
3.885		2152481	1528795
3.917		118671	66177
3.93		157002	97388
3.978		5737	2771
3.99		15490	8449

RT B	Compound B	Height B	Area B
4.023		140579	117200
4.045		14884	12432
4.079		647533	476493
4.119		699349	424954
4.138		553862	276961
4.151		1606086	879863
4.176		922709	949461
4.226		4766567	3741033
4.274		69086	47056
4.294		423337	272964
4.318		1112388	863698
4.36		5713997	4481970
4.458		4286806	4546155
4.51		672128	541579
4.549		1389115	1240487
4.583		5400860	4631566
4.616		2915549	2114575
4.653		2103839	1744242
4.75		699820	521053
4.767		86654	42738
4.799		3623208	2945261
4.821		457117	273427
4.871		2023620	1813603
4.906		1097850	882493
4.937		850770	678222
4.968		364897	224422
4.991		8269977	7236048
5.033		215883	160807
5.062		366776	362251
5.183		106194	69090
5.206		1859090	1625590
5.251		5576826	6490715
5.372		7066	4463
5.407		197334	188871
5.455		182643	134334
5.476		120010	84136
5.525		1142347	1027731
5.636		2407636	2139068
5.667		164285	125443
5.724		4601	9794
5.785		4779	3965
5.836		835584	752937
5.89		5553	3428
5.994	DCB	18587270	17342800
6.123		7196	5021
6.171		10814	12081
6.212		5782	12064
6.451		20011	17543
6.483		17831	16264
6.619		5308	7335
7.108		2069	1895
7.171		2554	3087
7.302		2192	7781
7.441		1423	2334
7.677		2457	2614
7.828		11794	25381
7.934		2722	5627
8.005		10479	17097
8.104		1846	2269
8.218		1416	1184
8.367		2291	8269
8.661		1583	746

AR1641724B AAAR164AA ICAL 1727799999 10736 SW-846 8082

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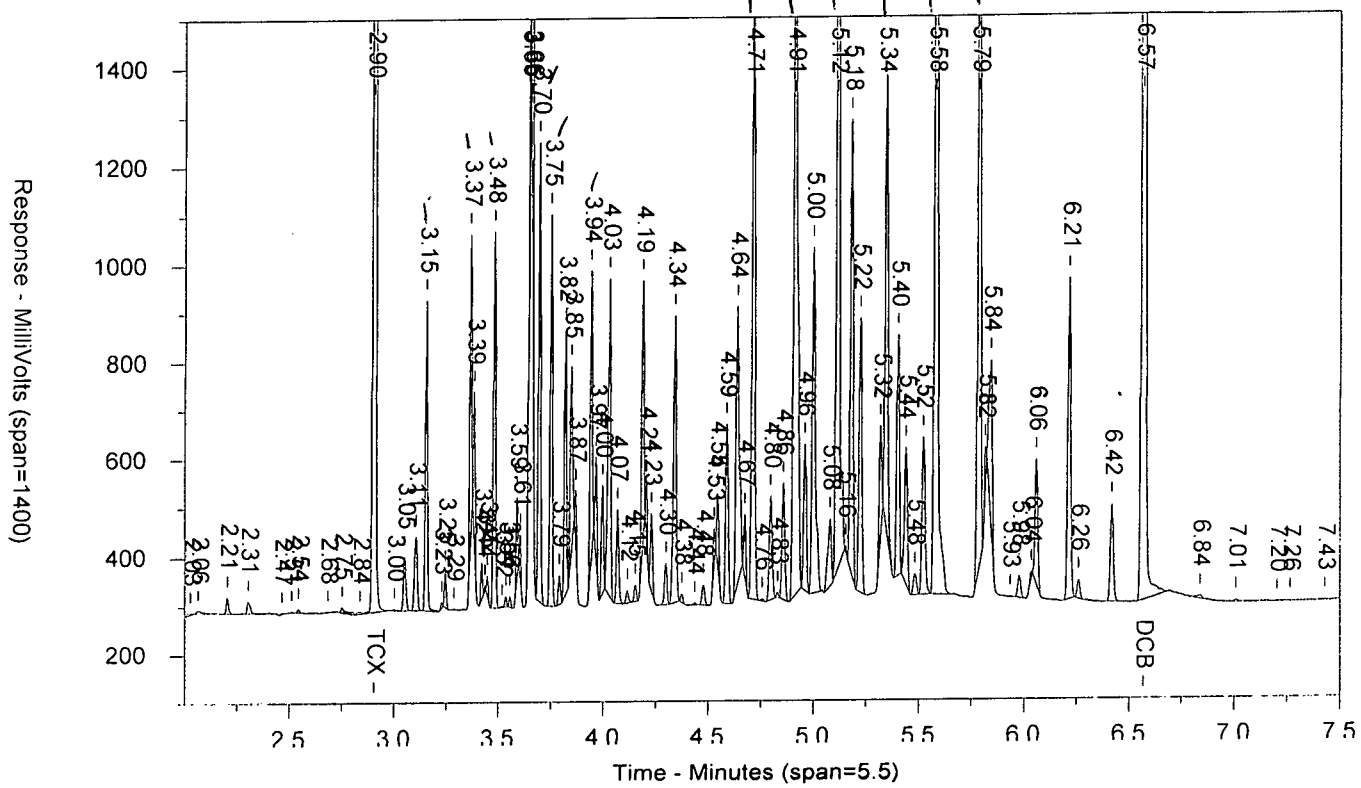

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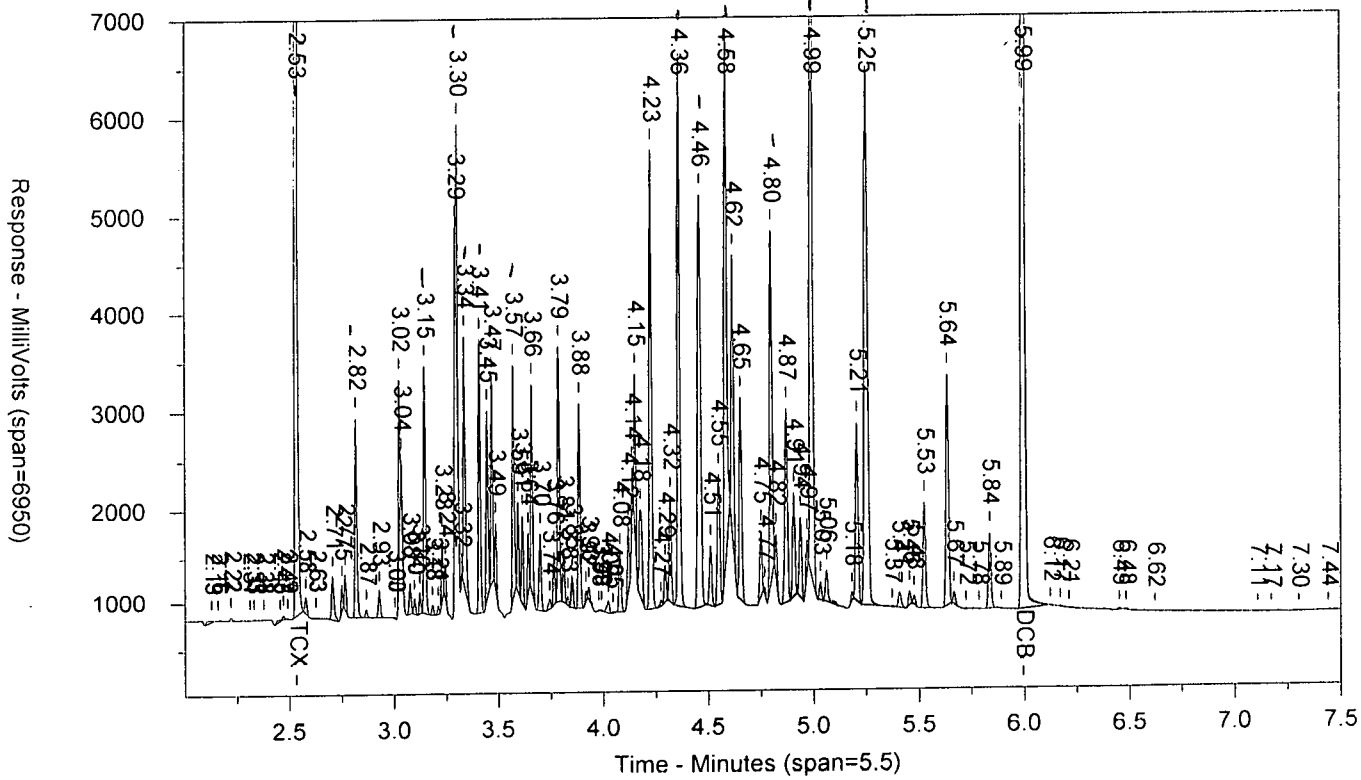

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:30:41 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	8112340	42.057	TCX	2.533	23074120	36.737	TCX
6.566	5461286	41.214	DCB	5.994	18587270	37.221	DCB

Files:
Area File: 20PCBS17278001.010.RAW
Area File: 20PCBS17278001B.010.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 11:39:23 PM
File Reported On: 10/5/2017 at 11:39:35 PM

AR1641724B AAAR164AA ICAL 1727799999 10736 SW-846 8082

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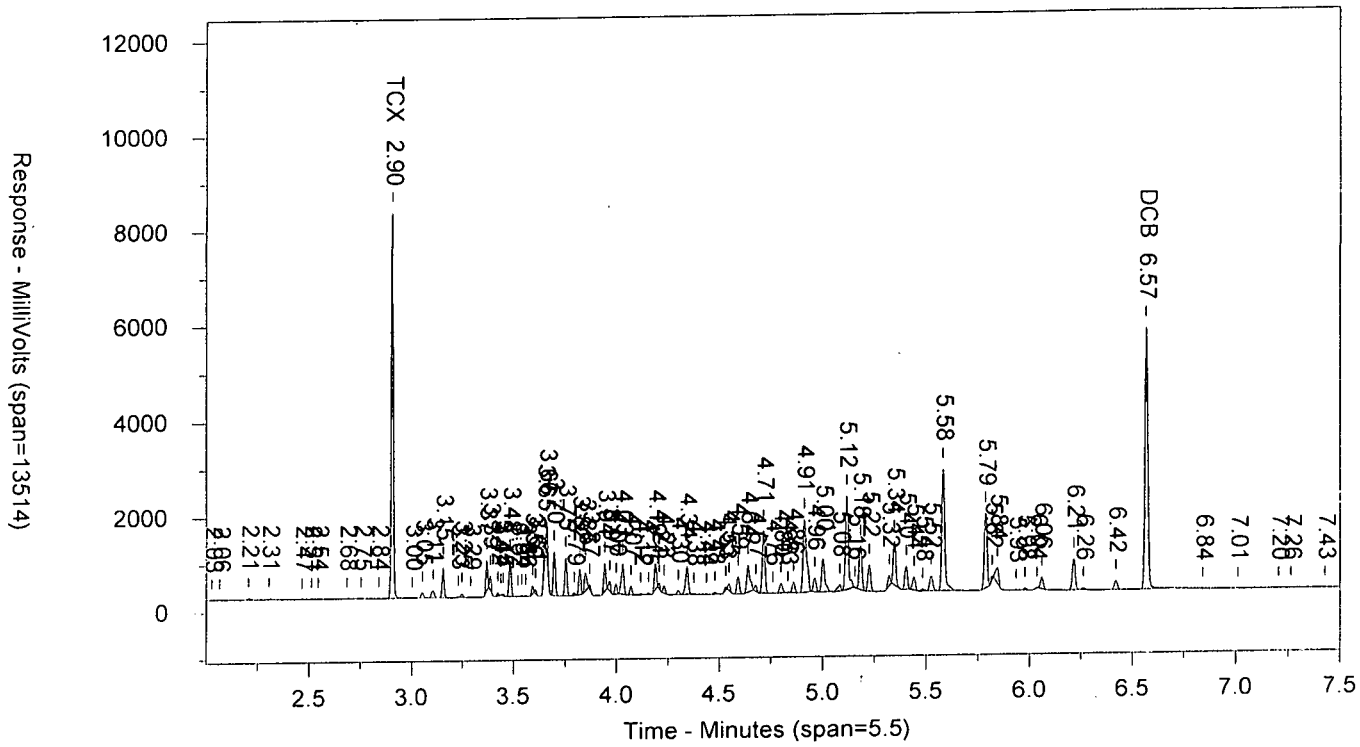

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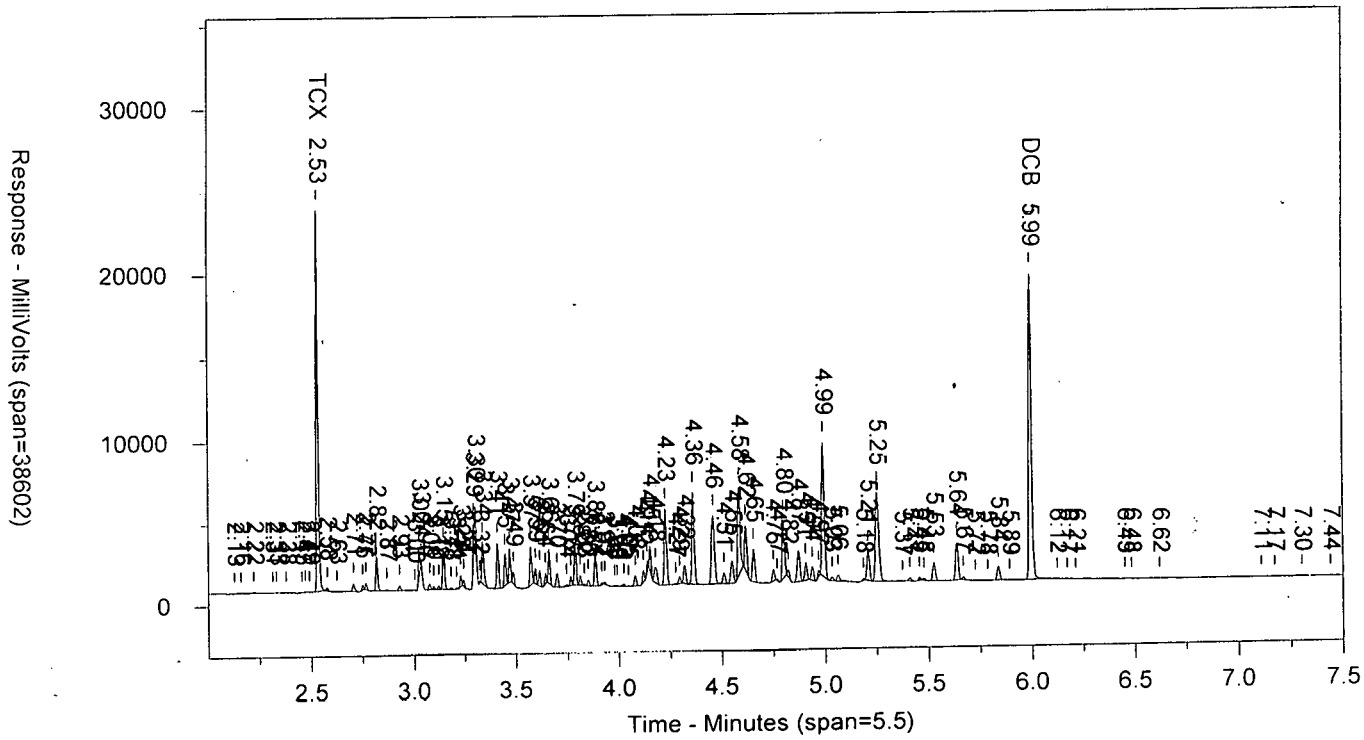

AR1641724B AAAR164AA ICAL 1727799999 10736 SW-846 8082

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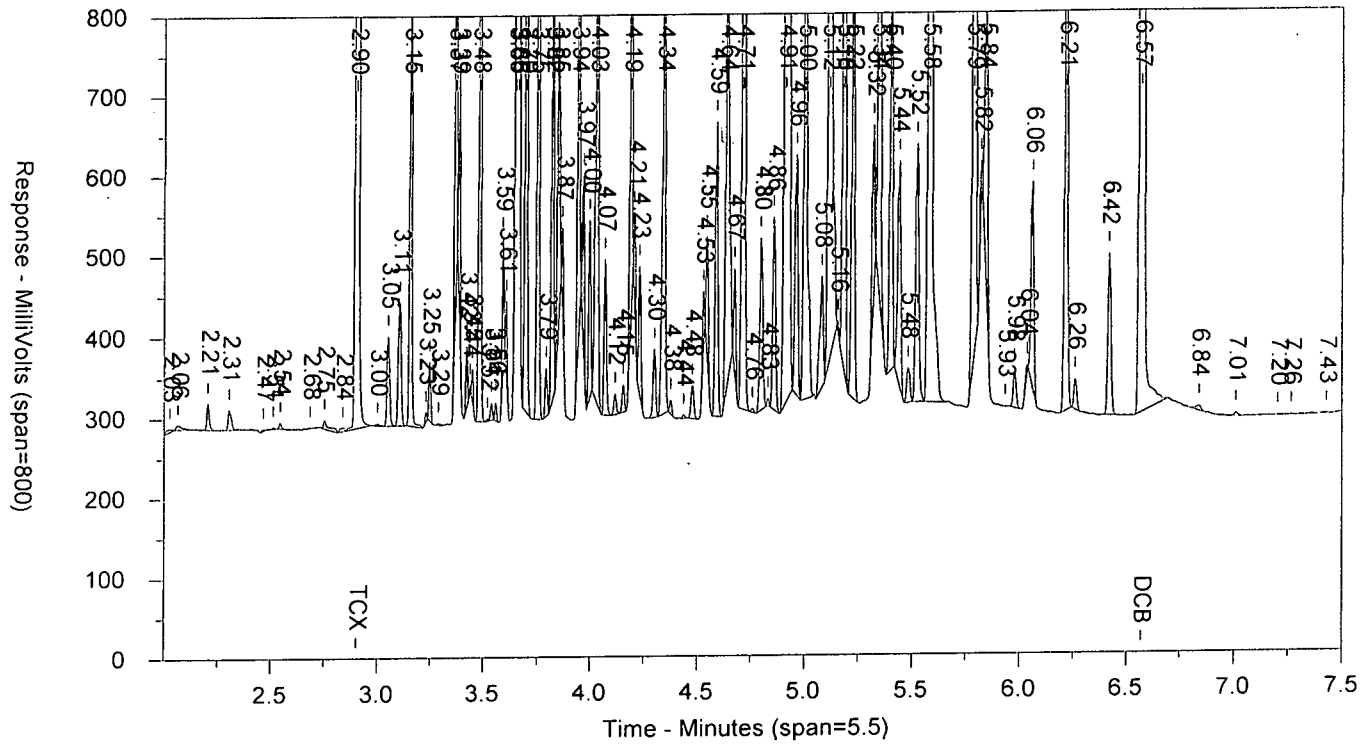

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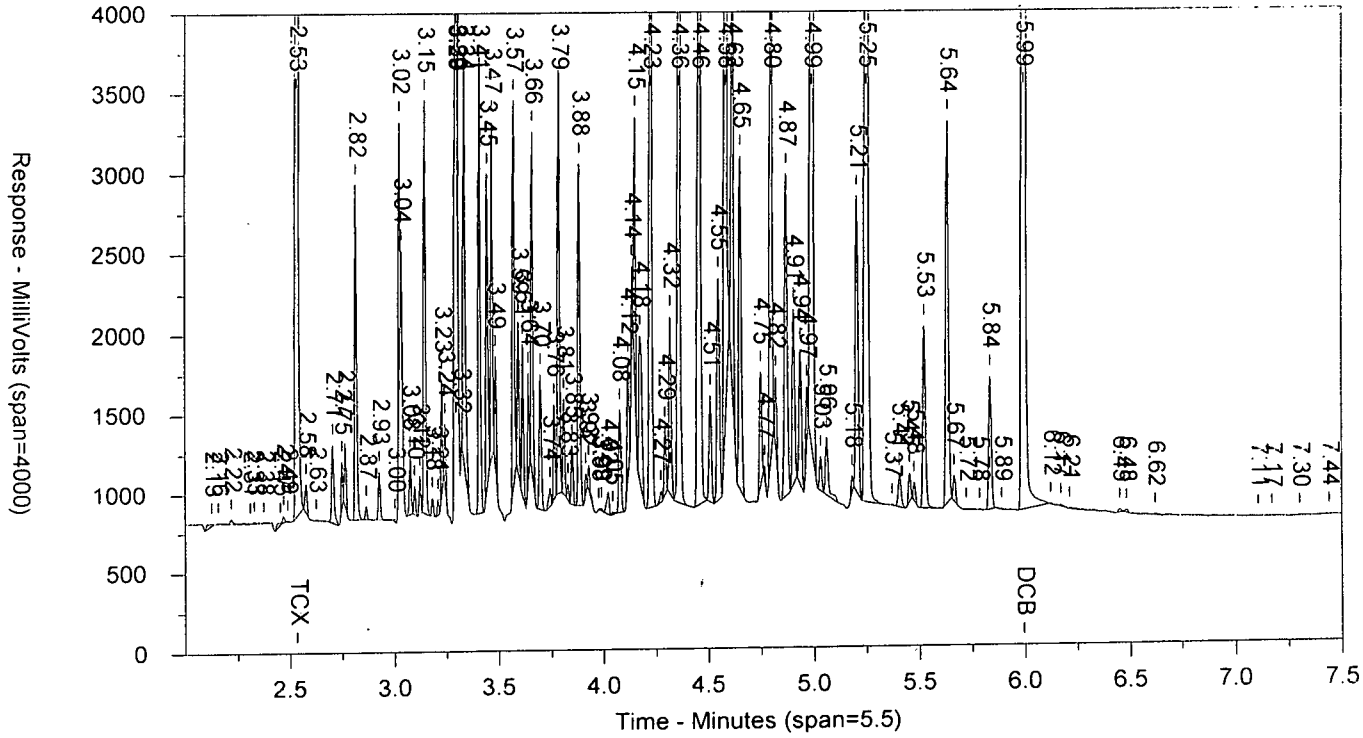

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:42:07 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.011.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.035		2187	6729
2.062		5166	12317
2.205		50311	39029
2.305		24497	29570
2.406		2244	5639
2.463		2203	2234
2.49		1644	1091
2.512		956	851
2.544		18750	15057
2.68		734	1319
2.705		1793	1563
2.753		7806	8395
2.828		2522	4081
2.904	TCX	12475520	8144195
3.002		4174	3426
3.052		259948	225712
3.107		334487	295568
3.154		1536404	1038746
3.23		15859	8167
3.247		182035	116258
3.289		4997	3872
3.333		1067	510
3.368		1616349	949939
3.385		730509	376692
3.422		181090	101051
3.437		27320	9813
3.449		94310	47871
3.482		1895587	1378579
3.519		8174	4184
3.538		30451	17656
3.557		56868	35410
3.592		412074	231764
3.606		198340	96239
3.649		1073352	547131
3.66		2129834	1031851
3.696		2338672	1657732
3.753		1972477	1434917
3.793		144067	99464
3.821		1279358	939315
3.849		882899	739203
3.87		265784	129420
3.943		1503015	1036343
3.967		504132	320733
3.997		537541	376043
4.031		1537580	1410677
4.07		448469	347738
4.117		62373	50092
4.156		79066	59385
4.189		1416906	997360
4.207		256237	135402
4.231		364529	280541
4.3		199837	167704
4.343		1456613	1321322
4.376		44316	30751

RT A	Compound A	Height A	Area A
4.438		11474	8806
4.48		101326	91530
4.53		164336	106834
4.546		338299	227367
4.59		908277	773502
4.639		1470897	1509552
4.675		298293	206109
4.714		3225187	2922768
4.76		10937	8450
4.8		487509	491840
4.832		28040	17048
4.86		528935	499573
4.911		3976747	4650654
4.962		721441	654438
5.002		1814181	1918877
5.045		9222	4222
5.083		308708	367430
5.117		4828202	4173595
5.138		164350	84677
5.159		47342	20060
5.183		2346209	2085220
5.226		1404140	1298849
5.321		570738	434561
5.346		2355744	2097665
5.402		1239689	1113556
5.441		670605	664761
5.484		101346	107063
5.525		778461	836512
5.583		6537734	6530858
5.788		4152738	3748713
5.818		199838	134602
5.844		767396	882804
5.935		3056	1785
5.98		97137	98854
6.035		38698	34313
6.06		588579	560393
6.217		1532777	1549820
6.261		85769	82454
6.42		436727	448104
6.568	DCB	8385052	8143281
6.627		5079	2459
6.683		2522	1110
6.834		3470	5499
7.012		6453	8088
7.211		1323	1775
7.623		1187	514
7.876		1383	2883
8.331		434	1676
8.354		1648	2735
8.515		7212	16321

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:42:07 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.011.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.036		2386	2191
2.069		17112	31174
2.109		10864	12602
2.125		4736	3372
2.159		4897	6278
2.219		67383	57336
2.282		10837	8407
2.333		3693	2830
2.45		14490	25815
2.469		34091	21571
2.49		11357	7299
2.532	TCX	35783940	21936900
2.577		398197	289536
2.705		1066296	802066
2.75		379320	192959
2.765		902225	513078
2.817		4569554	3029428
2.865		126422	75382
2.927		671819	456981
3.004		12939	6188
3.024		3516050	1764634
3.035		1211163	438646
3.075		804159	500539
3.096		386099	221413
3.121		525366	297695
3.145		5775295	3942911
3.182		266047	160541
3.209		140262	70550
3.229		1556110	811406
3.244		867203	433991
3.294		2830545	1249246
3.302		6354758	2686307
3.322		181519	69249
3.336		5885790	4131790
3.41		6636235	4303188
3.446		4379222	2817358
3.469		4721218	2631273
3.486		1507072	780030
3.541		9476	7022
3.571		5476344	3652982
3.593		2160057	1149099
3.614		2095158	1261196
3.642		1411289	751858
3.659		4889564	2943601
3.698		1887736	1325308
3.745		262770	201826
3.765		1333172	773685
3.787		6157405	3959115
3.811		1391453	827020
3.83		214124	106400
3.851		823919	516563
3.884		4906191	3476482
3.917		280577	148910
3.93		370081	227980

RT B	Compound B	Height B	Area B
3.977		6857	3359
3.99		43948	24955
4.024		347517	290873
4.044		14935	11647
4.079		1500288	1088939
4.12		1482237	894983
4.137		1357612	667593
4.151		3556253	2039029
4.176		2058834	2115069
4.226		11381160	8764182
4.274		153349	99447
4.294		1032821	679139
4.319		2493540	1927319
4.361		13852810	10658470
4.459		10432590	10750240
4.51		1533075	1287058
4.549		3260345	2792890
4.584		13995440	11542390
4.616		7269207	5035155
4.653		5033939	4042846
4.722		15132	15778
4.75		1622321	1196681
4.767		197027	96317
4.799		8855850	7008616
4.822		1029941	618583
4.872		4659897	4227352
4.907		2473495	2003912
4.938		1916872	1559761
4.969		955535	587746
4.992		22264580	18416770
5.033		484161	369491
5.063		813949	712086
5.184		239431	159399
5.208		4337106	3721664
5.252		13784010	15728480
5.371		14863	10421
5.408		423893	386036
5.456		415045	310280
5.477		252526	178352
5.527		2621594	2340621
5.637		5586896	4943689
5.669		368791	286817
5.735		6909	10398
5.787		7037	5504
5.837		1784720	1696519
5.956		5006	3155
5.995	DCB	30053070	26923340
6.171		29395	31422
6.324		3621	5103
6.384		5715	4260
6.451		29756	26054
6.484		15223	13333
6.567		3076	3865
6.624		7961	7816
6.723		5687	15798
6.958		5701	8434
7.205		3703	3421
7.462		2635	6005
7.552		1568	1854
7.831		11923	22233
7.966		2075	3344
8.009		11126	18229
8.345		2796	5311
8.4		2217	1182
8.468		1836	982
8.527		1988	580

AR1651724B AAAR165AA ICAL 1727799999 10736 SW-846 8082

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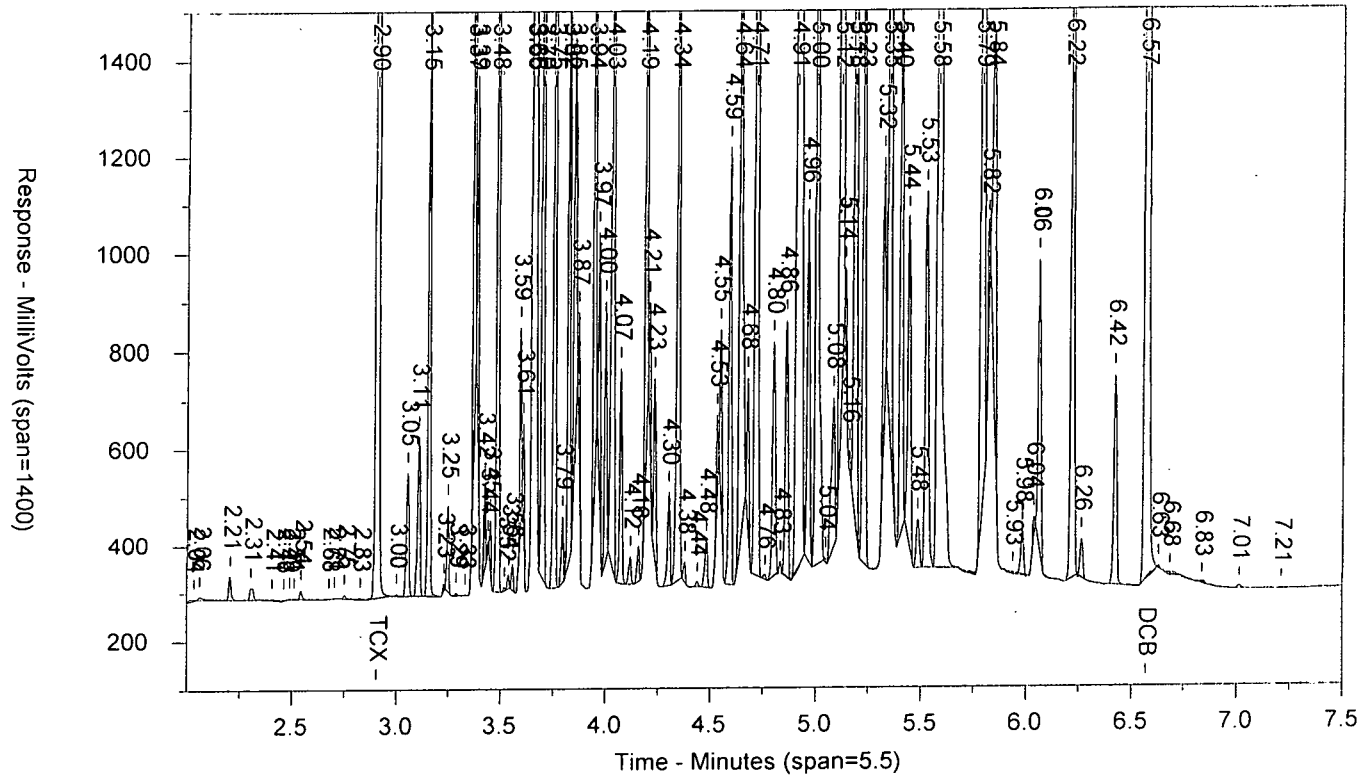

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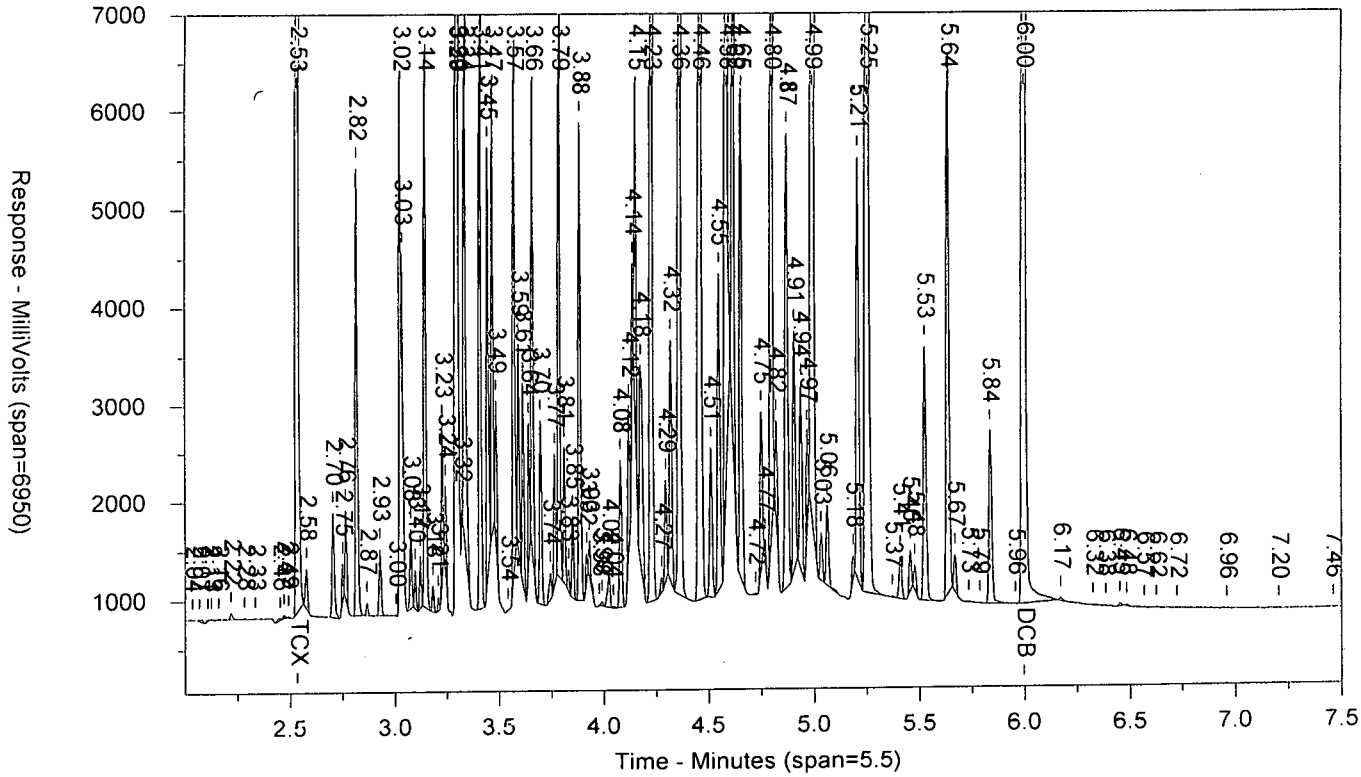

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:42:07 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	12475520	64.162	TCX	2.532	35783940	58.137	TCX
6.568	8385052	62.711	DCB	5.995	30053070	59.505	DCB

Files:
Area File: 20PCBS17278001.011.RAW
Area File: 20PCBS17278001B.011.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 11:50:51 PM
File Reported On: 10/5/2017 at 11:51:03 PM

AR1651724B AAAR165AA ICAL 1727799999 10736 SW-846 8082

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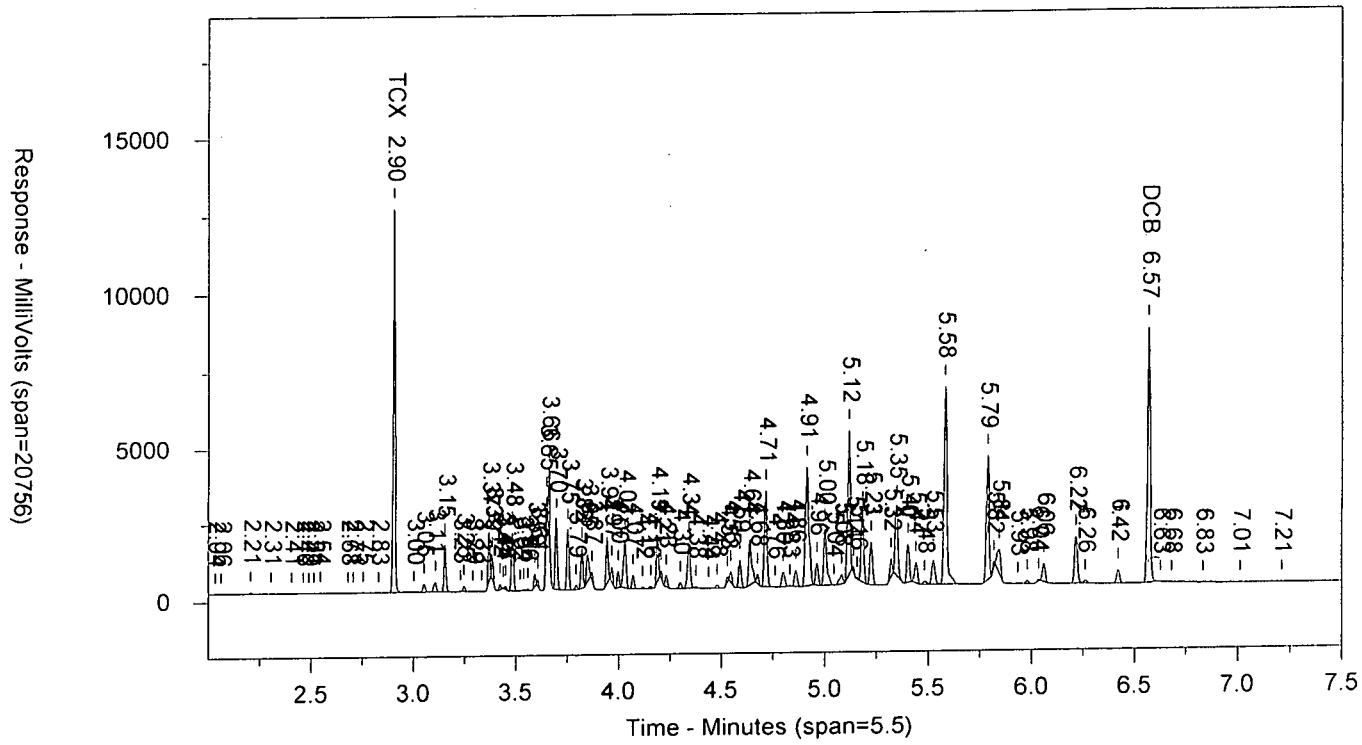

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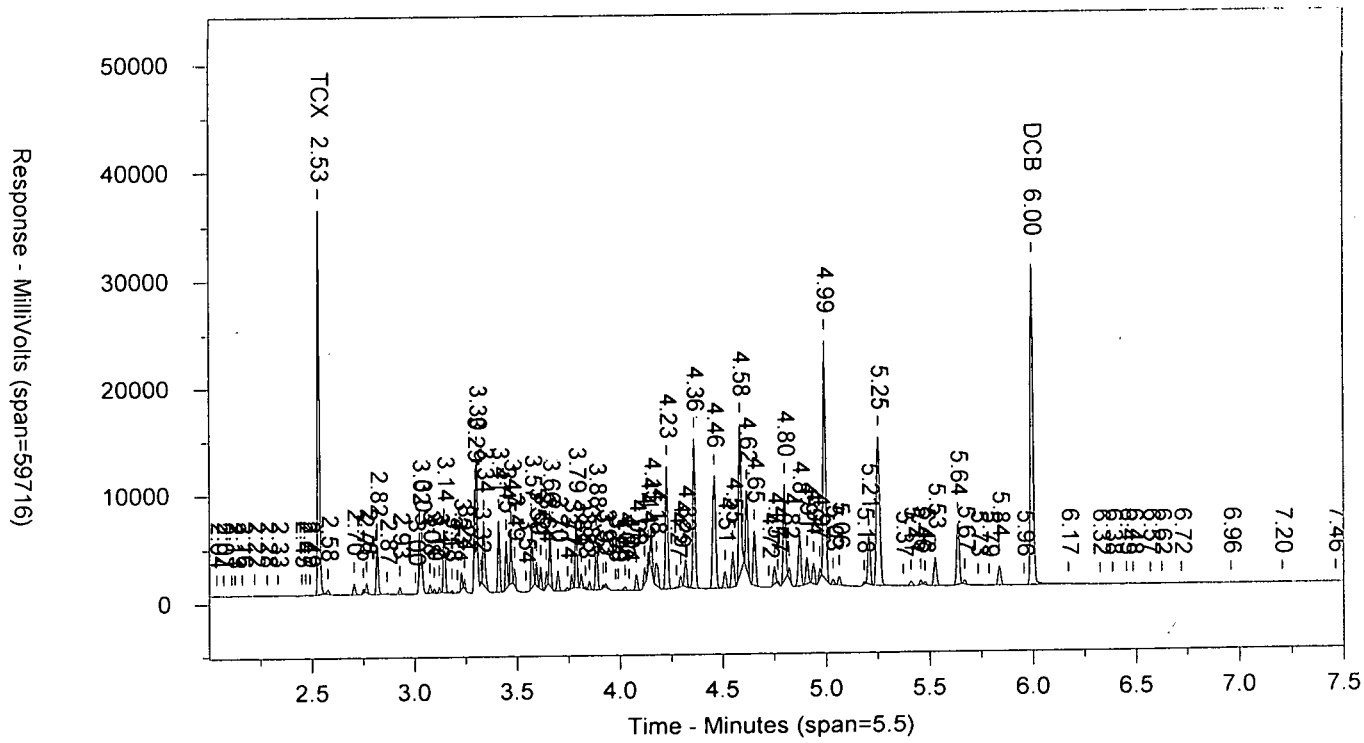

AR1651724B AAAR165AA ICAL 1727799999 10736 SW-846 8082

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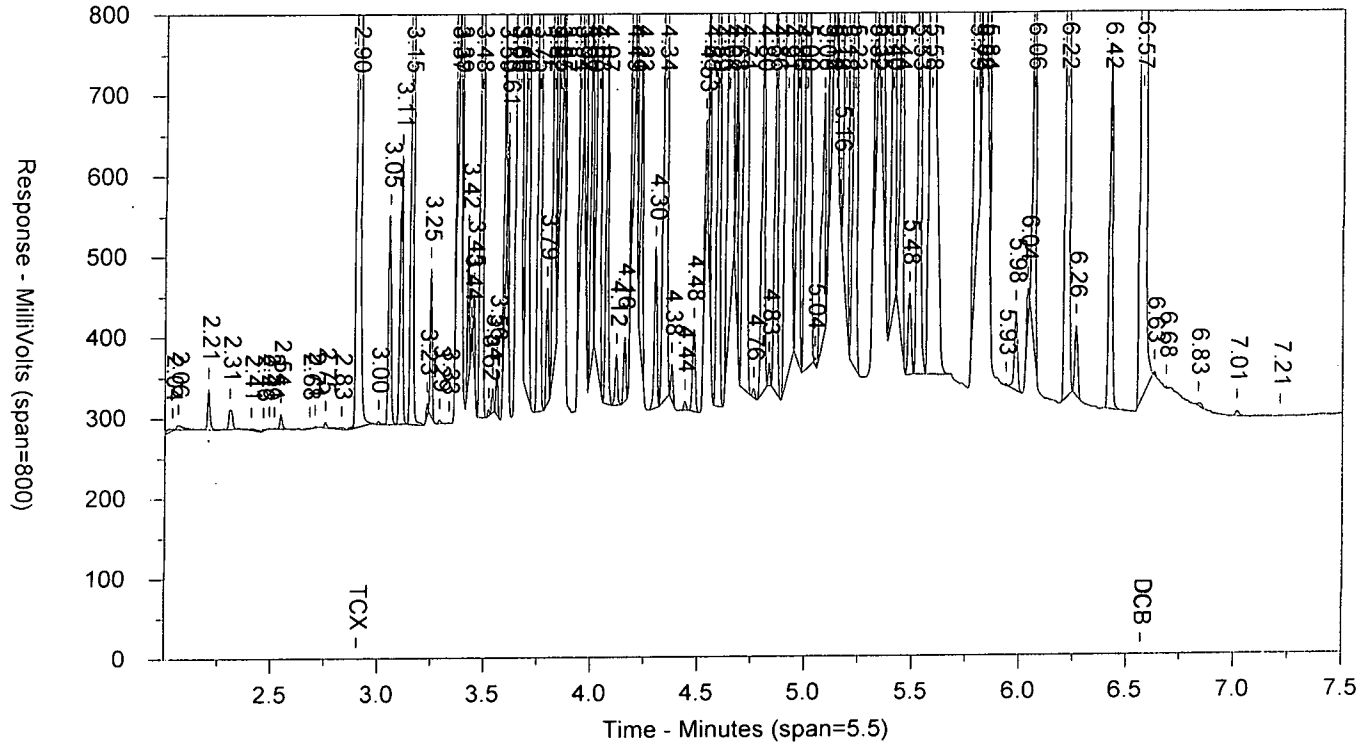

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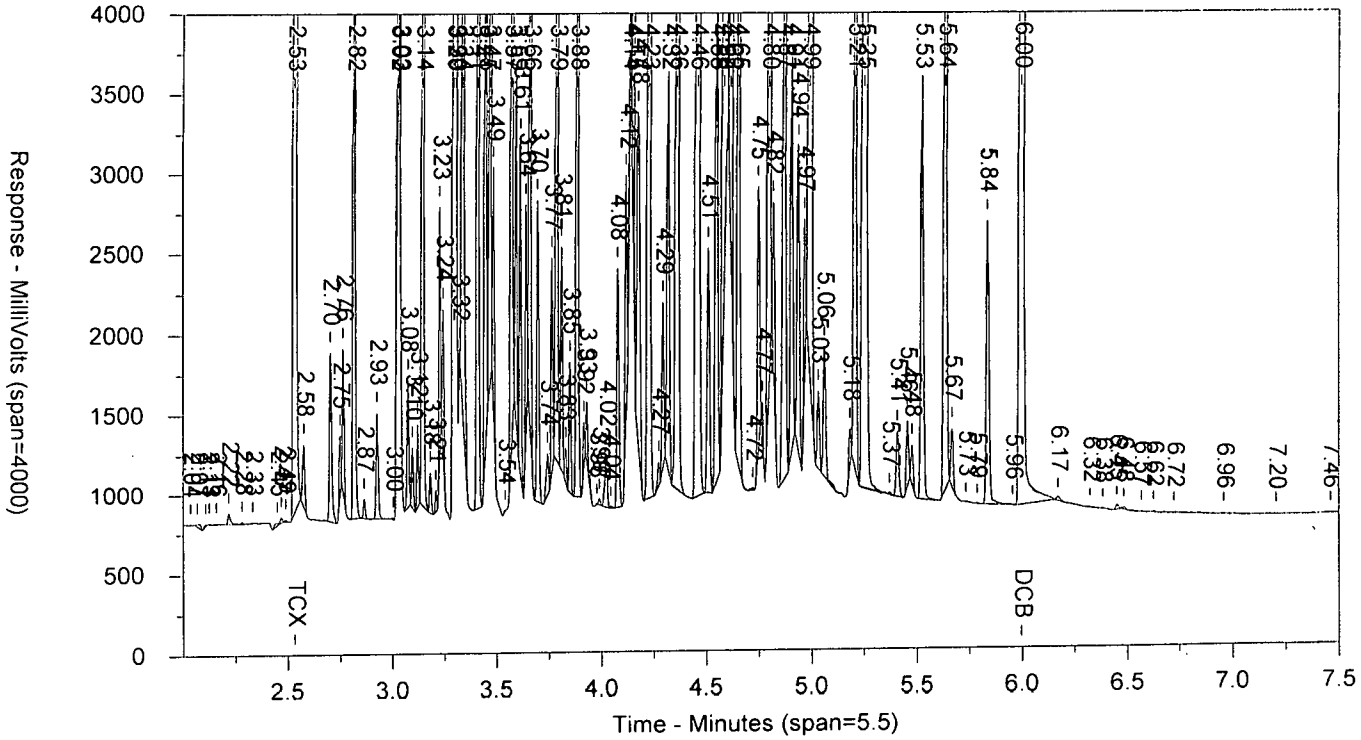

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:53:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.012.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.023		3910	6541
2.063		4253	5210
2.178		859	434
2.206		66341	49689
2.313		29696	34950
2.405		2776	5601
2.463		2200	1852
2.49		1603	1142
2.544		35924	28243
2.677		1081	1162
2.716		1535	2896
2.753		9857	8845
2.82		3515	2374
2.904	TCX	16370360	10662560
3.003		5186	4180
3.052		510362	441580
3.107		608317	508282
3.154		2997429	1999327
3.23		19167	9527
3.248		336453	225481
3.288		9752	7342
3.368		3013053	1805991
3.385		1434547	750868
3.422		343446	193128
3.438		54642	19093
3.449		168771	85345
3.482		3644081	2676842
3.519		14476	7664
3.537		35725	21423
3.557		114440	73375
3.591		773264	444974
3.606		364104	186112
3.649		2257315	1099881
3.659		3932053	1938567
3.696		4440144	3272128
3.752		4054589	2845644
3.793		271375	187776
3.821		2493564	1818910
3.848		1838158	1487883
3.869		449851	230193
3.943		3072351	2032064
3.966		982028	619965
3.997		1048789	725789
4.03		3027013	2784130
4.07		850692	669521
4.117		118471	96252
4.155		161634	116286
4.188		2650670	1931461
4.207		554837	285370
4.23		736399	542278
4.299		381845	317727
4.342		2800139	2580792
4.375		85966	59196
4.415		1890	1088

RT A	Compound A	Height A	Area A
4.437		21807	16936
4.479		203555	179383
4.529		314309	206119
4.545		623167	417567
4.59		1737523	1513481
4.638		2925005	2982497
4.674		602783	404295
4.714		6554999	5792406
4.758		20640	16047
4.799		948893	949740
4.83		44954	29129
4.859		1043807	959278
4.911		7662573	9216575
4.962		1416439	1270351
5.001		3573110	3848831
5.043		23661	11033
5.081		593653	722927
5.115		9483308	8376794
5.137		331004	164835
5.156		77240	31343
5.182		4803490	4177595
5.224		2789207	2567230
5.274		2455	1353
5.319		1102289	845439
5.344		4841778	4208166
5.402		2413291	2197541
5.44		1302799	1305930
5.483		198009	213699
5.523		1555718	1671179
5.582		13057980	13188890
5.729		5619	4295
5.787		7991961	7581914
5.818		423880	276290
5.843		1566658	1759697
5.979		163572	160054
6.032		70441	65418
6.058		1262003	1109927
6.214		3209146	3073089
6.259		175697	164636
6.417		819877	830789
6.567	DCB	10402460	10705540
6.691		7223	6718
6.835		3889	4213
7.011		8471	13009
7.208		1757	2486
7.391		1558	2998
7.497		1666	3248
7.558		1345	1815
7.709		1243	1966
7.814		1366	2564
7.878		1396	3109
8.198		722	1375
8.289		1338	1572
8.511		7436	17706

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:53:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.012.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.036		2307	2267
2.07		24889	41609
2.13		14587	48896
2.173		4968	8738
2.219		124624	104779
2.268		3074	984
2.281		7775	4814
2.326		4415	5977
2.404		33165	83064
2.454		10304	24910
2.47		40873	24026
2.491		25568	15462
2.533	TCX	48163540	29137500
2.577		709012	549552
2.705		1931507	1456774
2.75		456971	218771
2.765		1679441	977442
2.817		8463576	5523935
2.865		158023	92161
2.928		1234293	830673
3.004		12233	4849
3.024		6641867	3289055
3.034		2045085	801419
3.075		1425853	905664
3.096		725787	411147
3.121		957953	542416
3.145		11124460	7304136
3.182		491555	300694
3.209		152678	76490
3.229		2856581	1478852
3.243		1618392	775751
3.294		5354967	2485207
3.302		12423060	5192682
3.323		409793	140654
3.336		11747280	7820756
3.409		13154320	8188480
3.446		8347011	5234516
3.468		8928473	4969340
3.486		2833246	1451002
3.541		14118	10380
3.571		10679590	6910208
3.593		4040924	2131903
3.613		3846318	2327226
3.641		2672855	1414780
3.659		9672831	5577225
3.698		3516835	2439844
3.744		470681	376764
3.765		2471115	1404925
3.786		12141900	7573252
3.81		2592441	1538369
3.829		410443	199025
3.85		1429940	922217
3.884		9699505	6534309
3.916		523431	280484

RT B	Compound B	Height B	Area B
3.93		680121	420167
3.989		94125	72962
4.023		645334	551660
4.044		23983	16933
4.079		2751187	2011348
4.119		2654818	1623028
4.137		2582792	1234572
4.151		7407784	4016899
4.176		3818864	3960122
4.225		23449970	17126240
4.274		250857	172135
4.294		1925076	1234148
4.318		4591021	3562887
4.36		27556090	21062040
4.459		21512270	21169130
4.509		2809578	2380297
4.548		5764321	5179686
4.583		29195100	23255580
4.615		13854820	9713561
4.653		9494205	7706591
4.71		8346	4132
4.722		15951	7702
4.749		3149845	2277129
4.766		369720	173995
4.798		17404550	13830770
4.82		1908006	1151969
4.871		8986753	7963137
4.905		4616593	3749998
4.937		3594965	2921596
4.967		1839089	1154983
4.991		45066990	37805770
5.033		913430	698108
5.062		1476177	1260833
5.139		16490	13187
5.182		473678	300013
5.207		8148885	7062784
5.251		28256750	31616240
5.347		9847	6317
5.371		23795	17322
5.407		689567	630657
5.454		816068	604725
5.476		394747	280408
5.525		4807460	4389094
5.636		11163350	9504800
5.668		695656	542294
5.734		10170	10323
5.836		3211745	2928743
5.914		4065	2951
5.954		7876	5735
5.995	DCB	41104820	35770860
6.168		55173	55682
6.378		4707	10087
6.451		40433	35163
6.483		14393	16054
6.623		9268	9788
6.728		10581	16063
6.841		7581	7409
6.908		2689	1577
6.95		10249	14782
7.168		3904	4988
7.231		2022	1988
7.321		4688	4030
7.44		3796	4824
7.625		2485	3999
7.664		4325	4067
7.827		14317	30036

RT B	Compound B	Height B	Area B
8.007		10766	25996
8.566		2863	7495

AR1661724A AAAR166AA ICAL 1727799999 10736 SW-846 8082

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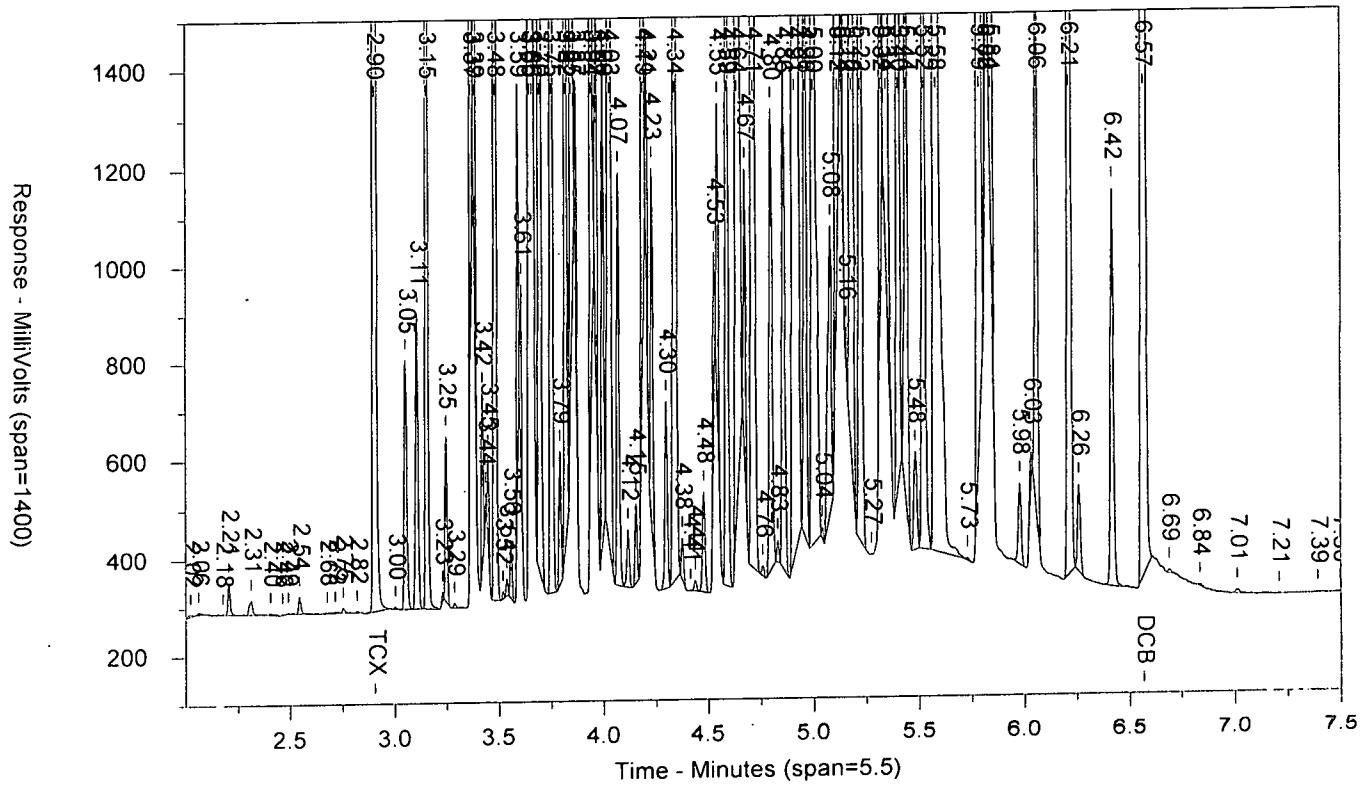

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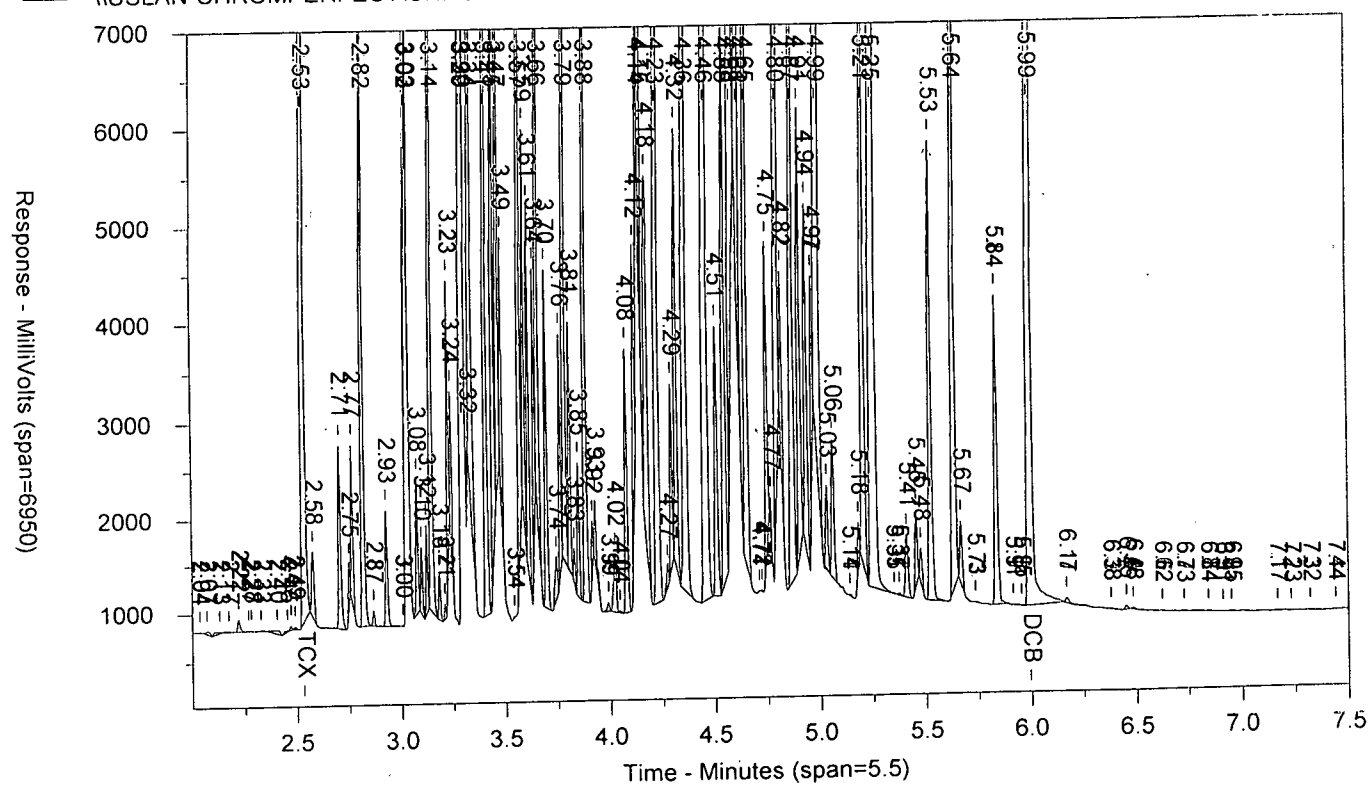

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/5/2017 11:53:30 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	16370360	83.875	TCX	2.533	48163540	80.088	TCX
6.567	10402460	77.168	DCB	5.995	41104820	81.109	DCB

Files:
Area File: 20PCBS17278001.012.RAW
Area File: 20PCBS17278001B.012.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 12:02:14 AM
File Reported On: 10/6/2017 at 12:02:26 AM

AR1661724A AAAR166AA ICAL 1727799999 10736 SW-846 8082

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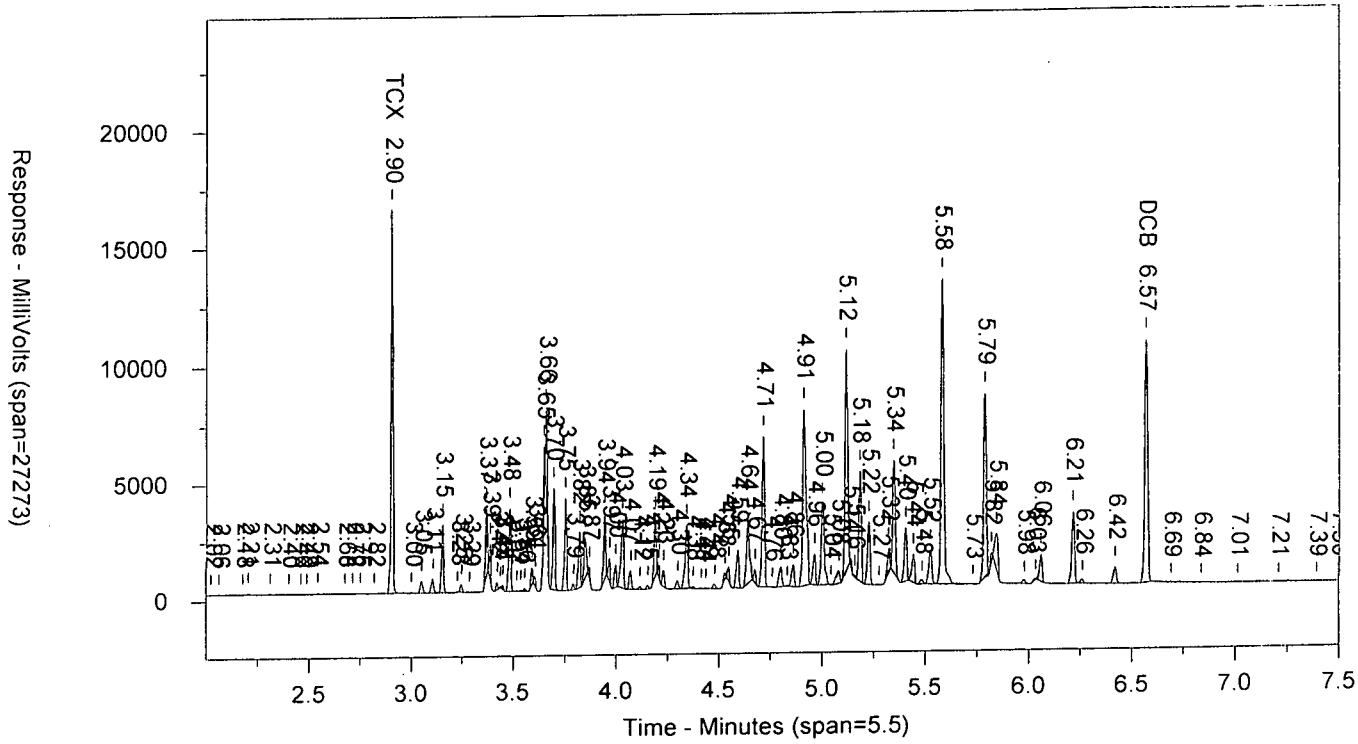

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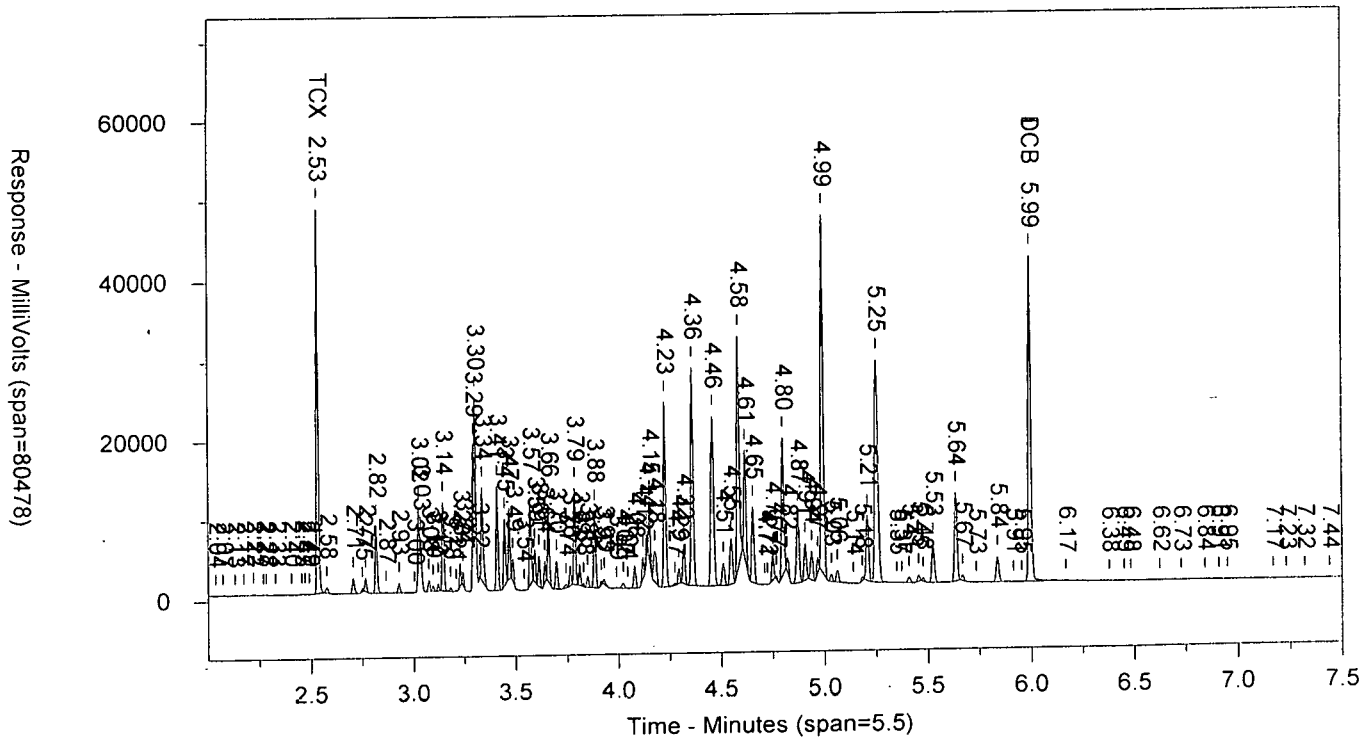

AR1661724A AAAR166AA ICAL 1727799999 10736 SW-846 8082

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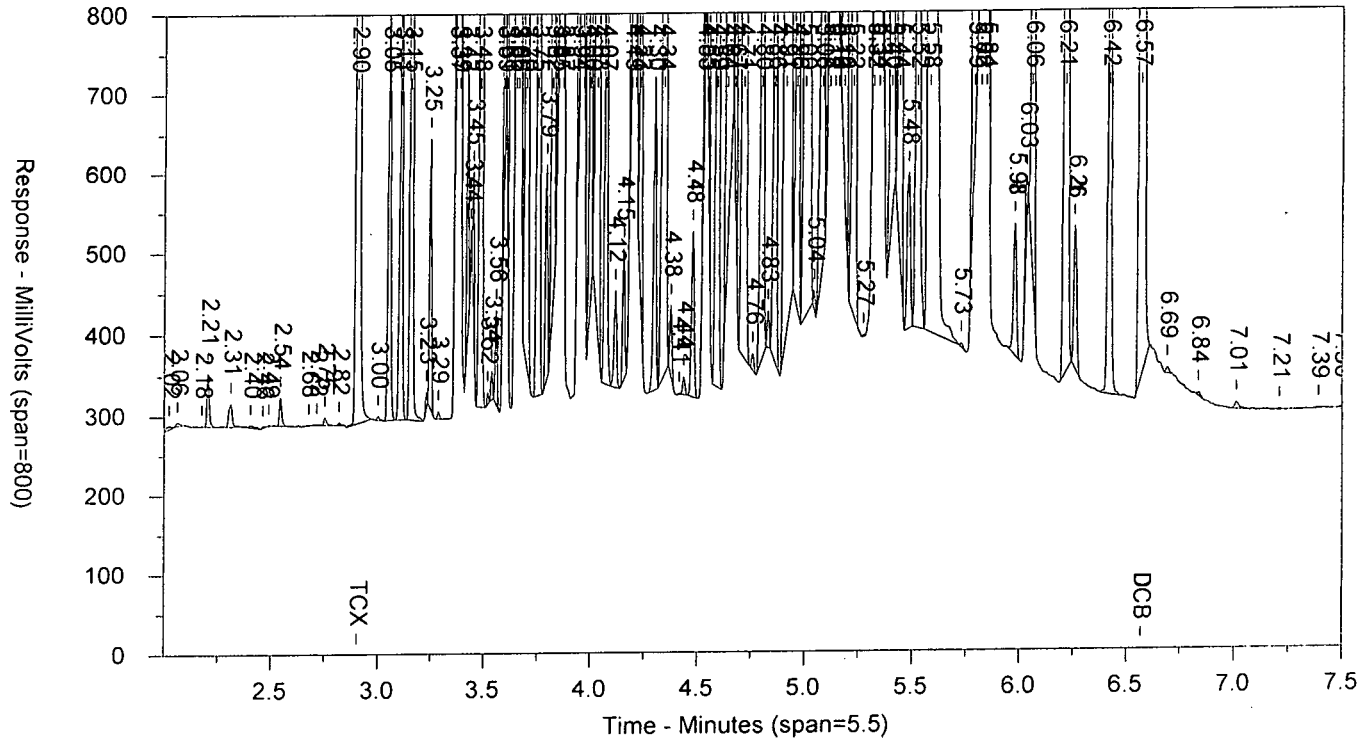

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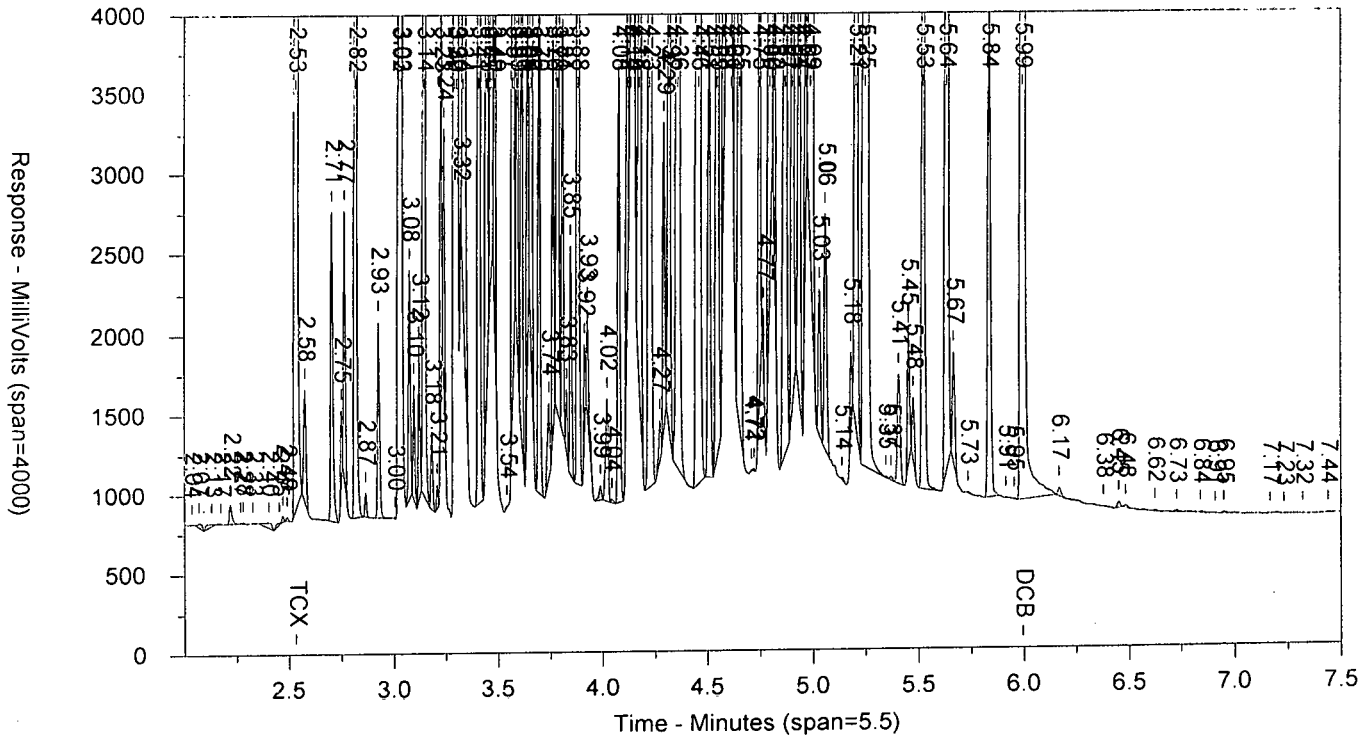

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:04:59 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.013.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.036		2116	6974
2.063		4395	9554
2.206		2072	1642
2.267		710	620
2.304		17545	13031
2.489		3098	7210
2.703		1631	1781
2.753		6038	12063
2.84		3975	5743
2.904	TCX	357503	261906
3.053		4828	4592
3.1		5553	5673
3.155		17898	13392
3.247		7570	10941
3.369		50778	30667
3.385		14579	7381
3.422		3434	2093
3.483		47048	35507
3.539		3647	2544
3.561		2468	1611
3.592		8347	5009
3.649		42513	23438
3.66		36848	17658
3.697		58787	45815
3.753		66056	47564
3.794		8272	5581
3.822		109484	81088
3.849		72037	56115
3.87		17401	8724
3.944		126132	88703
3.968		37072	23003
3.999		42579	29664
4.031		99683	90266
4.071		33569	25552
4.12		1518	1198
4.135		2621	1467
4.156		9253	6683
4.189		82473	56249
4.208		104805	63686
4.231		117624	85742
4.3		10478	9162
4.335		104651	148184
4.377		27980	18913
4.416		1453	899
4.439		7161	5839
4.48		31786	27593
4.53		45628	38145
4.561		26458	20392
4.591		76727	66795
4.639		2694	2185
4.672		27721	24621
4.715		8005	9219
4.761		7357	6690
4.801		47794	48180

RT A	Compound A	Height A	Area A
4.879		6142	8388
4.911		9850	15876
4.997		44566	43317
5.066		1297	1776
5.117		13368	13145
5.185		3163	2812
5.228		2466	2780
5.289		2204	4413
5.323		4179	3605
5.381		20517	40278
5.522		2668	4093
5.584		2675	1970
5.788		4155	4465
5.848		2424	4356
5.984		1561	1750
6.058		1843	6113
6.217		2717	2940
6.42		3191	2799
6.491		709	1134
6.569	DCB	281596	290558
6.839		6733	13198
7.037		1915	3889
7.255		901	561
7.398		1334	2823
7.816		1121	1911
8.073		1124	1690
8.328		1072	1285
8.362		1985	2704
8.511		7626	16944

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:04:59 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.013.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.077		26362	27711
2.126		19431	53888
2.166		3111	4736
2.215		6069	5976
2.28		6428	3779
2.33		5781	6054
2.37		3064	2038
2.47		32603	66439
2.532	TCX	1234701	815668
2.623		5183	6870
2.705		36408	57039
2.749		30235	23333
2.766		8989	4516
2.818		76209	50370
2.866		6060	4295
2.93		13828	11451
2.999		19727	17195
3.024		250690	244306
3.075		14978	9022
3.096		6745	5268
3.12		5032	2555
3.145		189263	127650
3.182		10326	6490
3.21		4854	2195
3.229		38142	20246
3.246		38141	51662
3.303		427404	494346
3.323		31670	13312
3.337		189060	118754
3.41		270206	181006
3.446		448504	284716
3.469		405371	227871
3.487		134841	68538
3.572		539178	382304
3.594		175169	95655
3.615		188453	113184
3.643		97558	49093
3.66		403804	239818
3.699		167090	113119
3.746		26537	19261
3.765		317241	181142
3.788		721400	467870
3.812		485532	302801
3.831		42578	19451
3.851		71898	44171
3.885		224279	151124
3.918		391081	290871
3.944		186605	105740
3.991		32715	31443
4.023		110194	75506
4.08		242256	220515
4.111		142304	96376
4.138		358281	260148
4.173		6306	6853

RT B	Compound B	Height B	Area B
4.228		158036	144948
4.264		39536	29395
4.295		149316	103977
4.318		7867	5105
4.362		33543	22135
4.384		18283	11844
4.418		3748	2932
4.456		38830	43731
4.506		222183	180390
4.546		26196	37241
4.586		72910	68952
4.617		8854	7944
4.655		5413	4001
4.706		3276	3480
4.799		10134	6474
4.823		23394	17933
4.906		22756	62254
4.937		2931	2614
4.969		9079	6520
4.993		22097	21488
5.051		4145	6567
5.097		36767	74426
5.208		18661	47488
5.253		15168	15570
5.409		11536	19817
5.455		7648	6316
5.476		4701	3585
5.53		5847	8759
5.612		2782	2077
5.639		6924	5816
5.739		12544	22883
5.837		14335	11929
5.882		3490	5294
5.923		4097	9161
5.997	DCB	1174122	1145379
6.223		3399	3266
6.258		5742	8500
6.326		4884	6570
6.485		27656	63250
6.73		7288	24169
6.905		2443	2491
6.957		6123	8780
7.281		1507	1884
7.568		2224	2161
7.627		2785	3670
7.684		3092	4673
7.779		829	4995
7.827		12992	27929
7.906		1577	1402
8.009		9099	13205
8.203		3682	7692
8.349		1686	1277
8.534		1585	1063

AR4811724C AAAR481AA ICAL 1727799999 10736 SW-846 8082

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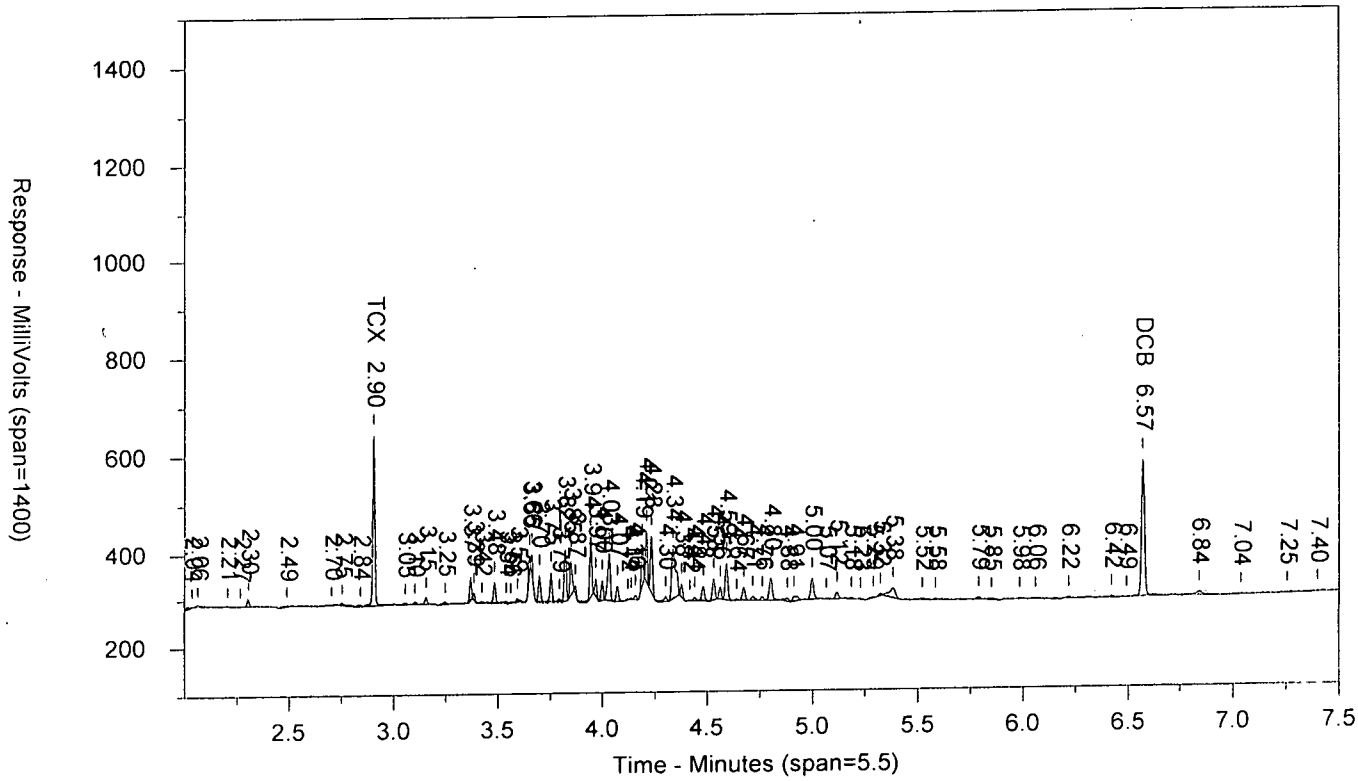

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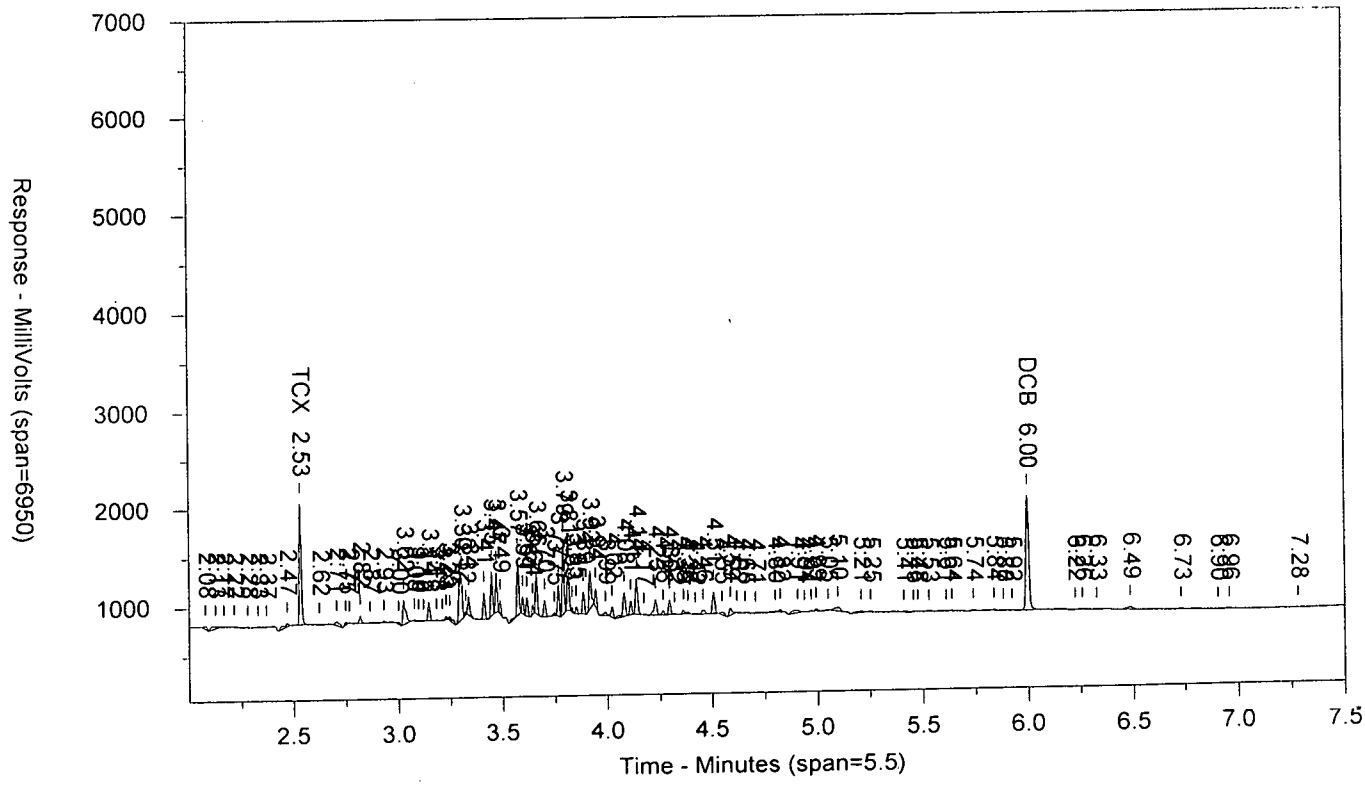

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:04:59 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	357503	1.823	TCX	2.532	1234701	2.091	TCX
6.569	281596	2.087	DCB	5.997	1174122	2.297	DCB

Files:
Area File: 20PCBS17278001.013.RAW
Area File: 20PCBS17278001B.013.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 12:13:41 AM
File Reported On: 10/6/2017 at 12:13:50 AM

AR4811724C AAAR481AA ICAL 1727799999 10736 SW-846 8082

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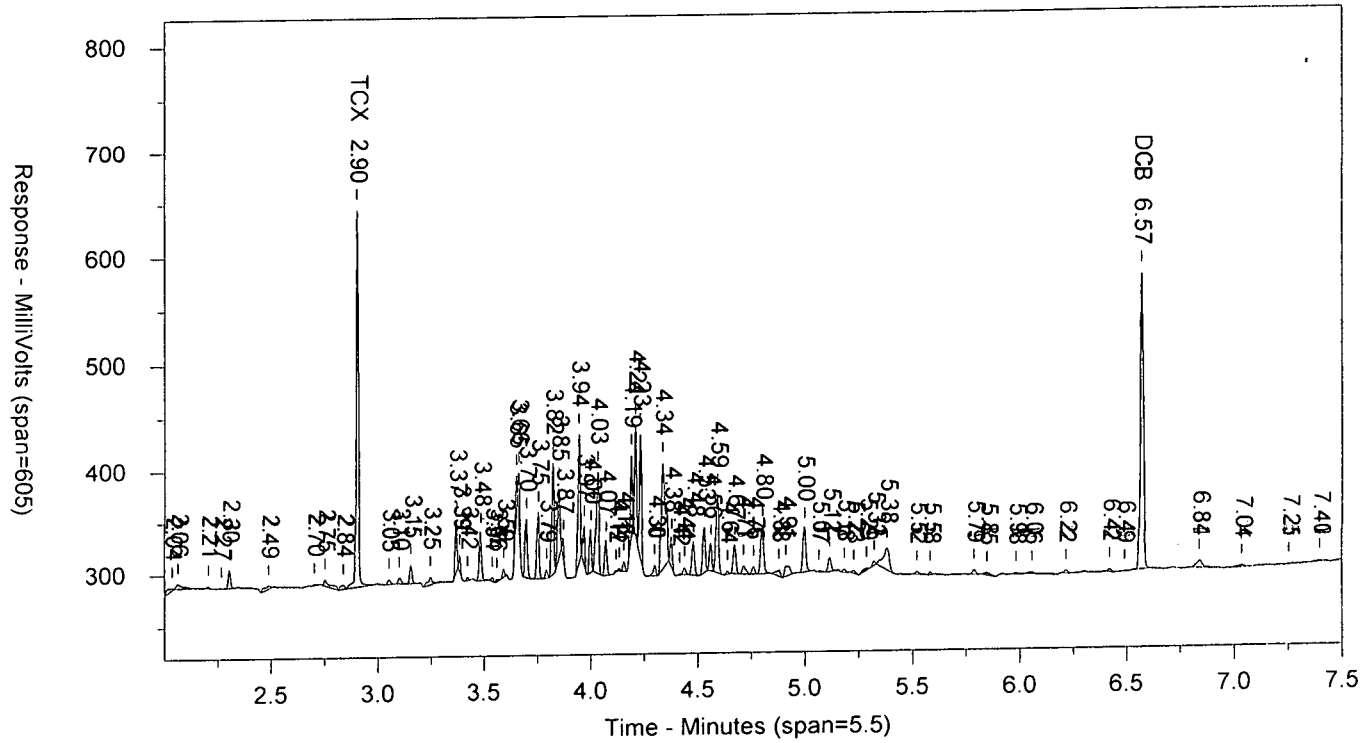

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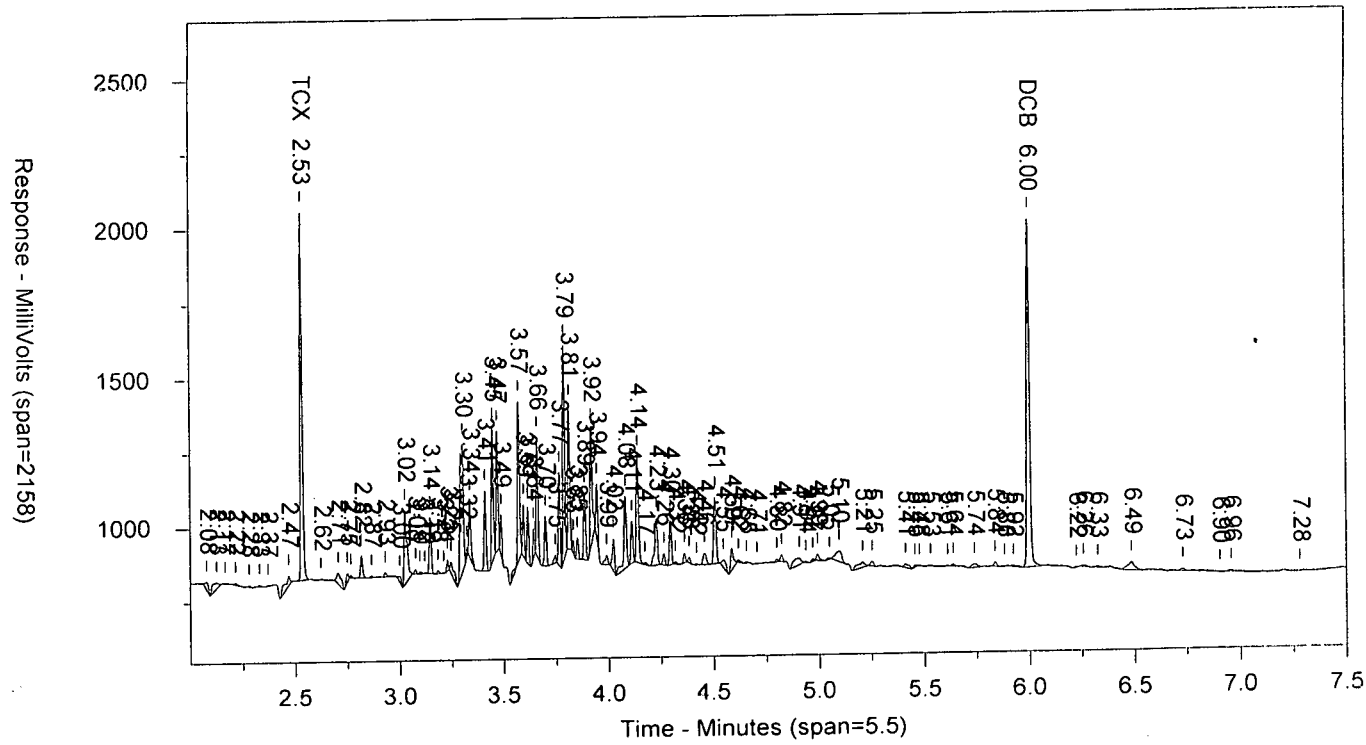

AR4811724C AAAR481AA ICAL 1727799999 10736 SW-846 8082

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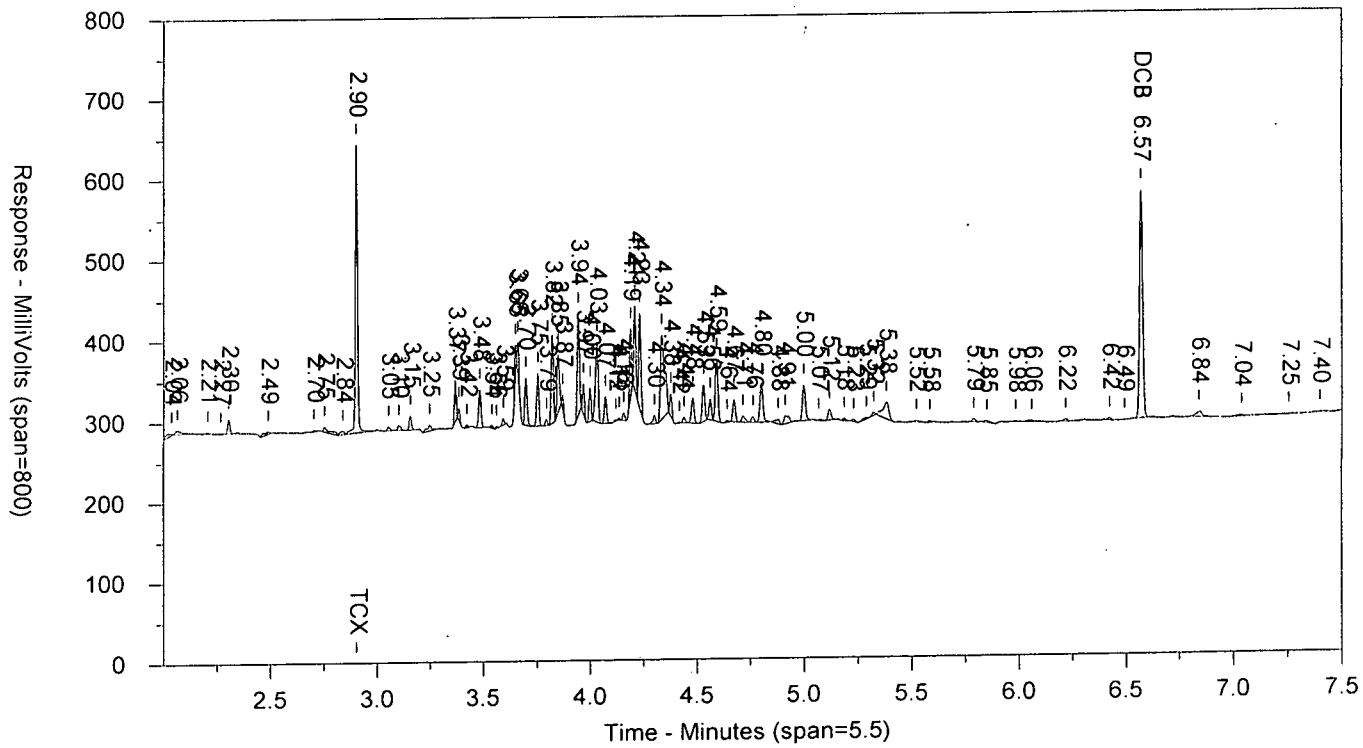

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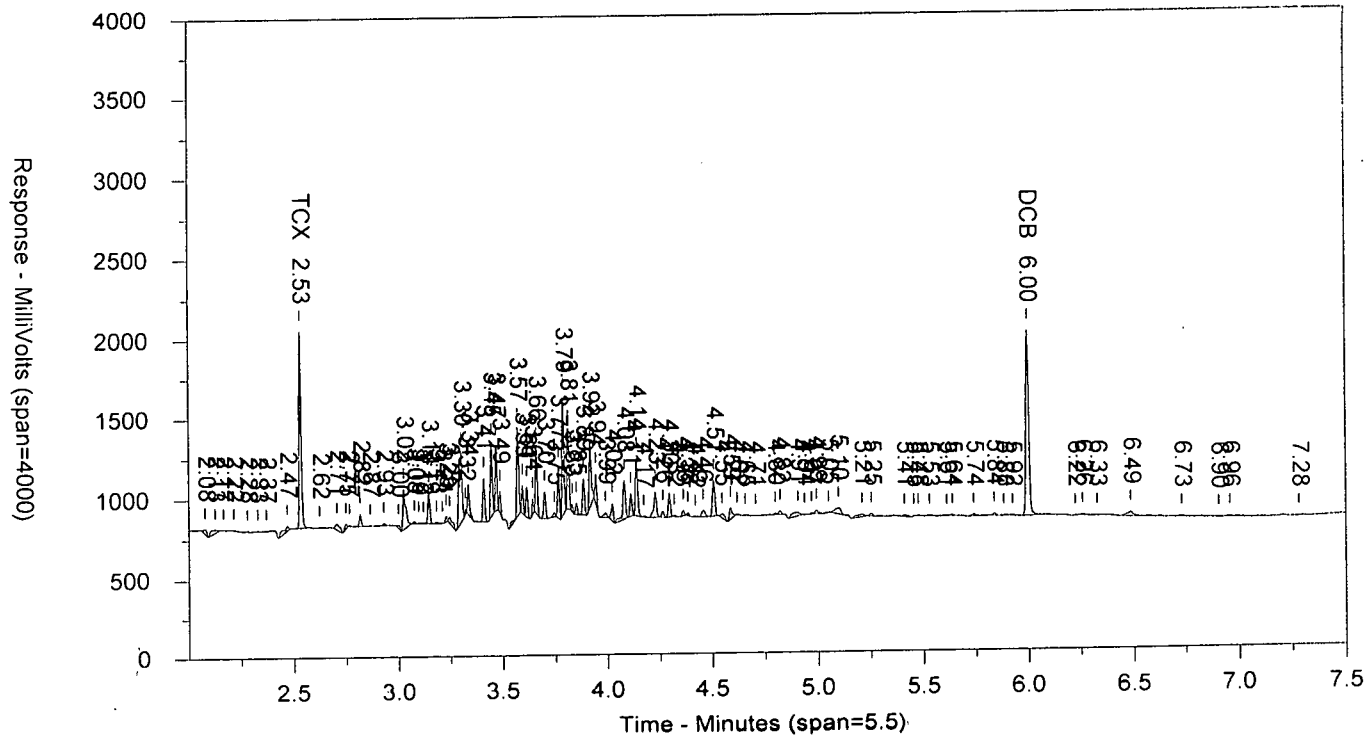

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:16:20 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.014.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.031		2664	6386
2.063		5380	7109
2.133		1069	1550
2.205		4275	3462
2.277		941	472
2.304		88912	61865
2.344		1173	1062
2.399		5840	15427
2.445		4751	3335
2.491		2532	5298
2.51		4667	3009
2.583		3616	3037
2.675		2068	2058
2.705		1455	1284
2.755		8741	15713
2.843		3998	5982
2.903	TCX	731557	504257
2.992		3452	4402
3.052		7611	6848
3.1		11562	11661
3.154		32370	23150
3.247		11002	13070
3.368		88835	54574
3.385		29370	14258
3.422		5945	3438
3.481		84129	62113
3.538		4232	2681
3.558		3509	2109
3.591		15355	9054
3.606		4538	2129
3.648		87425	42656
3.659		64026	30047
3.695		104169	79683
3.751		115952	85215
3.793		16218	11247
3.82		201834	146093
3.847		129840	100875
3.869		34357	16842
3.942		225170	161907
3.966		60410	40212
3.996		74932	53423
4.029		180409	164655
4.069		62208	47819
4.115		4759	3228
4.133		2029	964
4.154		17765	13248
4.187		158187	102897
4.206		182277	118744
4.229		212992	158234
4.298		19275	17903
4.333		198664	273619
4.375		49251	33022
4.414		2488	1511
4.436		11585	8712

RT A	Compound A	Height A	Area A
4.477		55077	49535
4.528		81842	68002
4.559		47141	36083
4.589		143327	120524
4.636		2958	1861
4.671		50471	45089
4.713		12451	14191
4.759		12480	10719
4.799		89462	86041
4.877		9867	13555
4.911		15696	24198
4.962		1436	1004
4.995		82918	81502
5.043		2031	1403
5.115		23881	21580
5.182		3636	3108
5.226		2542	2501
5.321		7208	6162
5.345		2857	1664
5.381		17857	23872
5.521		4088	4268
5.582		7530	9074
5.787		7004	6761
5.845		2262	2859
5.915		874	1182
5.977		2941	3488
6.044		2444	3781
6.215		4560	7255
6.419		5902	6510
6.505		742	153
6.567	DCB	552311	575983
6.838		6192	9714
7.036		2265	4874
7.261		856	637
7.394		2143	4854
7.557		2835	5109
7.809		1198	2221
8.31		1046	2164
8.394		850	553
8.513		7699	17113

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:16:20 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.014.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.042		24068	70258
2.076		52259	52631
2.127		20246	54823
2.158		14100	19318
2.217		8328	6795
2.242		3430	2012
2.282		10274	13360
2.328		7414	10008
2.365		13293	93223
2.456		8751	27210
2.469		36258	27299
2.532	TCX	2383485	1567021
2.576		7465	4214
2.624		19806	18976
2.706		49365	69925
2.75		47098	33352
2.765		16389	9164
2.817		133868	89645
2.864		9076	5734
2.928		23856	16501
2.981		5611	2670
2.998		16289	14710
3.024		285163	148083
3.034		38307	14019
3.075		29104	16913
3.098		12337	8553
3.121		8107	4186
3.145		330952	227301
3.183		18272	11814
3.209		7928	4058
3.228		73156	37593
3.245		42886	42571
3.293		268001	133223
3.302		299505	115430
3.322		62085	25666
3.336		324541	198620
3.409		471154	311588
3.446		776326	493513
3.468		706318	394432
3.486		231826	118103
3.57		943260	607990
3.592		310304	167645
3.613		327259	200921
3.641		158581	81382
3.658		693798	416569
3.698		296419	199976
3.744		52123	40139
3.764		536395	317219
3.787		1208319	797620
3.81		853533	533010
3.829		78674	35717
3.849		105636	63303
3.884		393189	265110
3.916		679477	507140

RT B	Compound B	Height B	Area B
3.942		342351	186519
3.989		58872	50737
4.022		206490	146304
4.05		5448	6086
4.078		425734	312235
4.109		250165	171325
4.136		614333	456259
4.173		13685	11724
4.226		273456	247551
4.262		68662	48859
4.293		332011	243752
4.316		11264	6364
4.359		52690	34370
4.382		33294	21121
4.453		65634	71090
4.504		396300	318770
4.544		31731	38768
4.583		115837	104812
4.616		14015	15673
4.653		11173	12023
4.699		2651	2500
4.747		3042	1946
4.767		3727	3145
4.798		15471	10490
4.82		43057	45787
4.904		19029	49380
4.936		5243	3456
4.969		16851	11175
4.99		36970	33787
5.047		2652	3250
5.098		40380	79090
5.185		2539	6300
5.205		17755	17309
5.253		27211	29382
5.407		14951	21688
5.453		8763	7739
5.474		8320	6773
5.526		9007	16508
5.606		2638	4104
5.637		14163	12983
5.738		12453	22186
5.836		30166	28660
5.873		3804	5421
5.995	DCB	2162672	2122869
6.219		3067	2769
6.258		9954	17117
6.325		4055	4404
6.484		27717	64761
6.728		11336	28660
6.956		10694	23091
7.197		19850	26810
7.291		1871	2972
7.47		5293	8846
7.827		13477	30405
8.007		11101	17285
8.203		3379	6545
8.335		4401	8062

AR4821724C AAAR482AA ICAL 1727799999 10736 SW-846 8082

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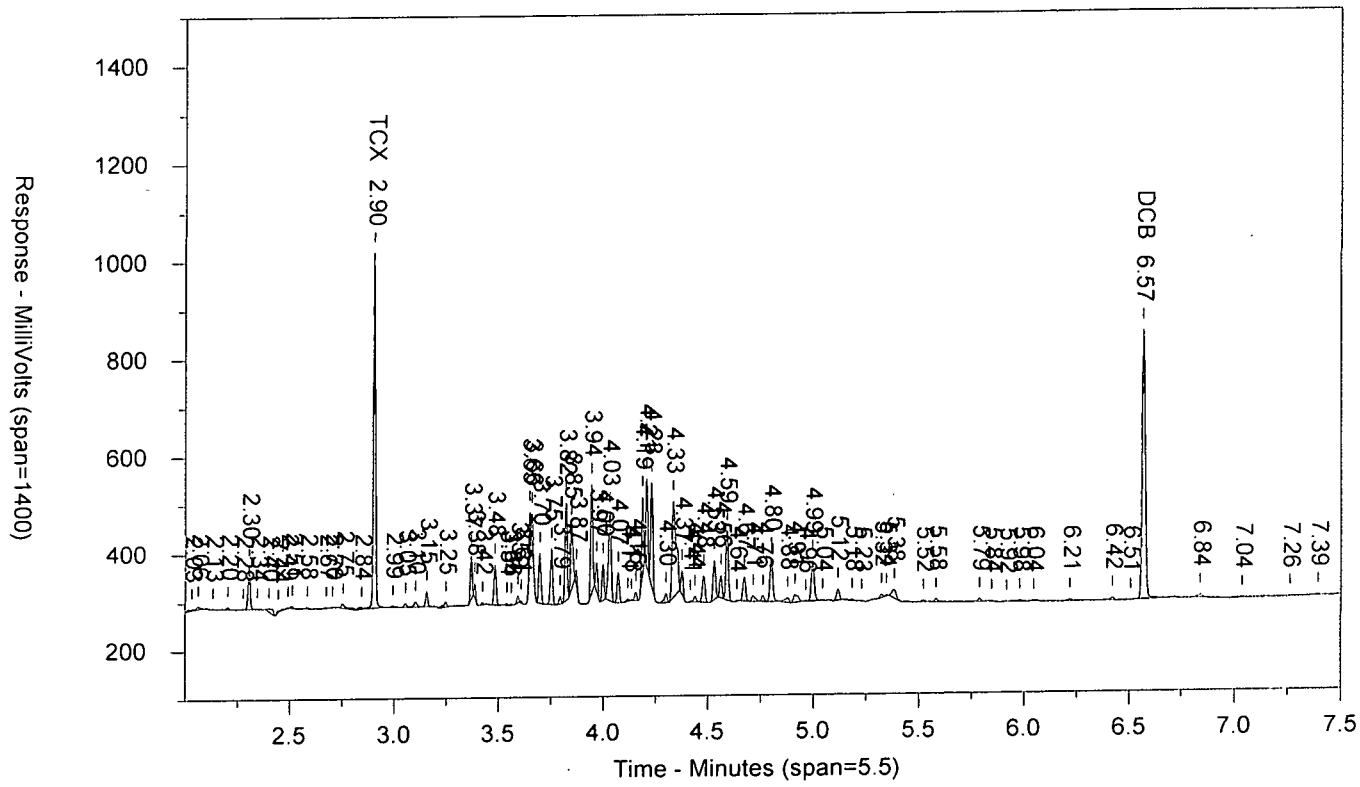

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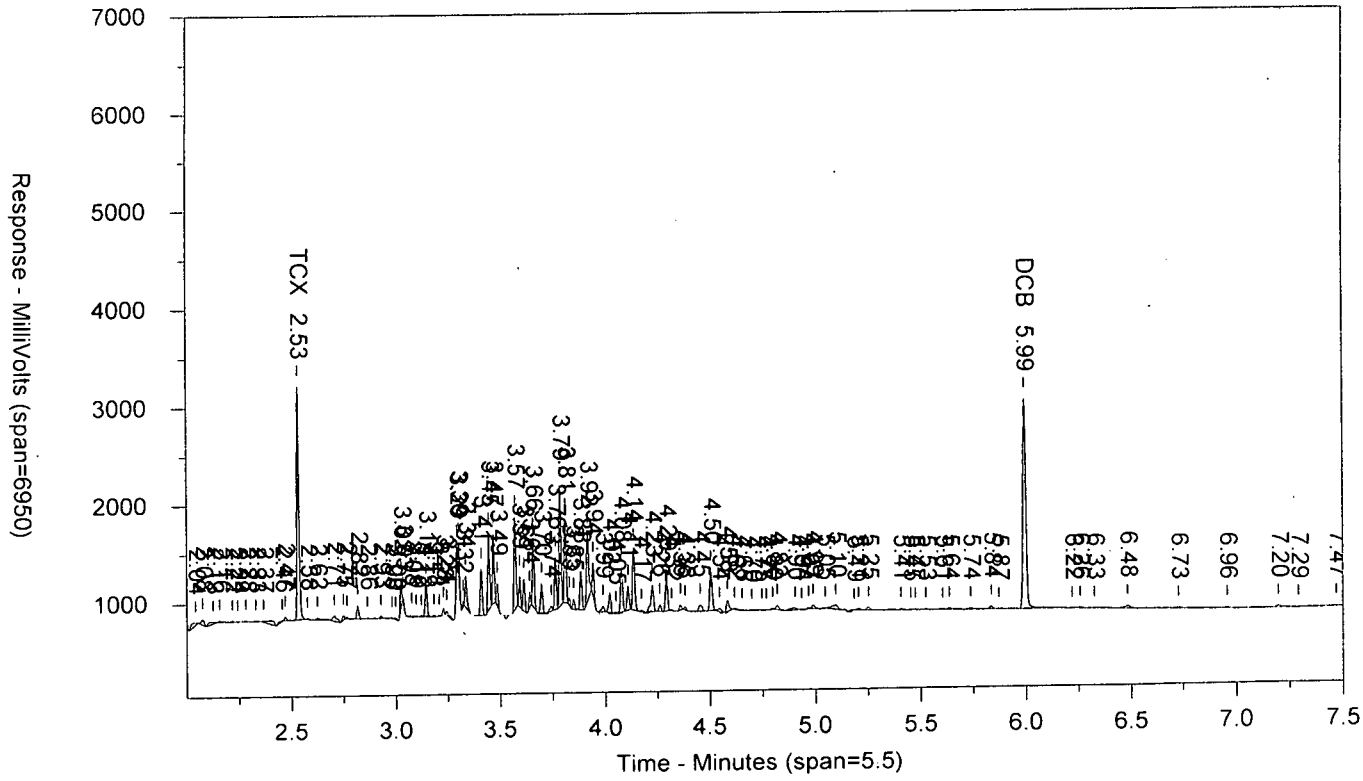

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:16:20 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	731557	3.731	TCX	2.532	2383485	4.037	TCX
6.567	552311	4.094	DCB	5.995	2162672	4.231	DCB

Files:
Area File: 20PCBS17278001.014.RAW
Area File: 20PCBS17278001B.014.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 12:25:04 AM
File Reported On: 10/6/2017 at 12:25:12 AM

AR4821724C AAAR482AA ICAL 1727799999 10736 SW-846 8082

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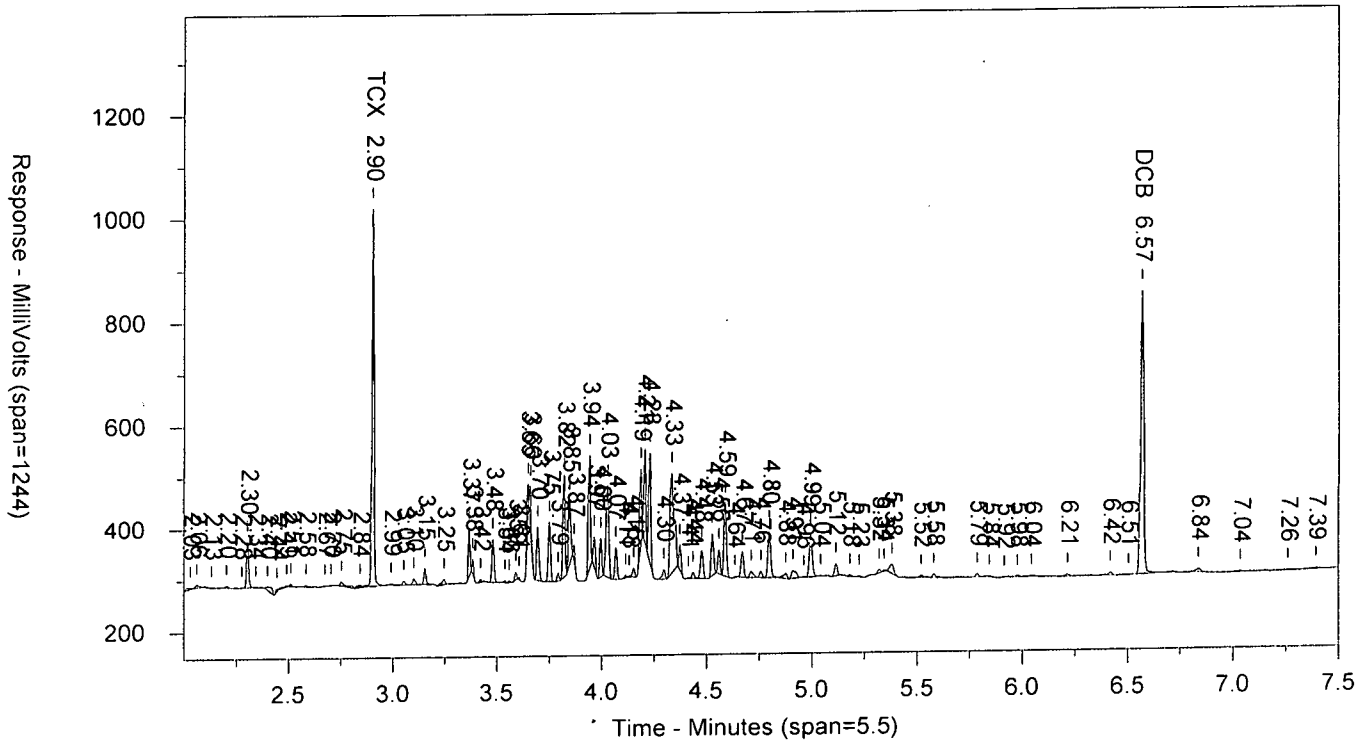

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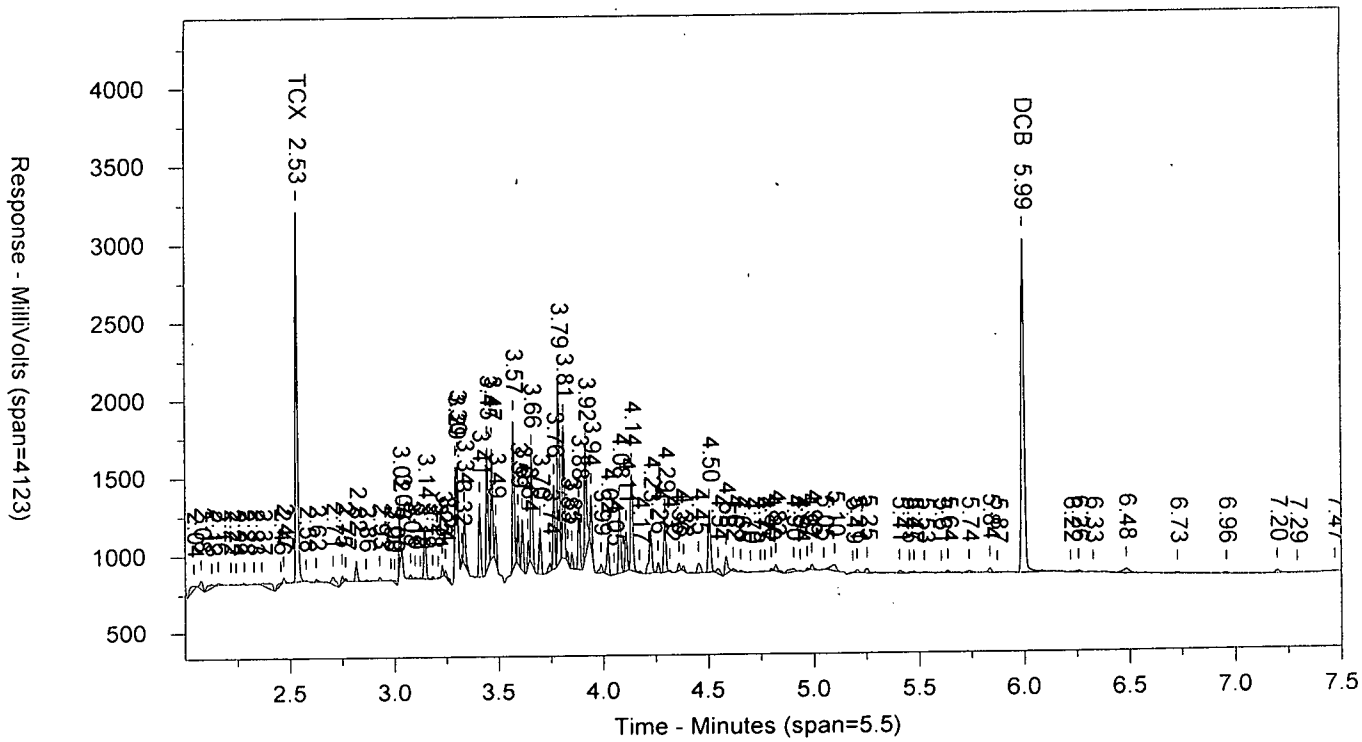

AR4821724C AAAR482AA ICAL 1727799999 10736 SW-846 8082

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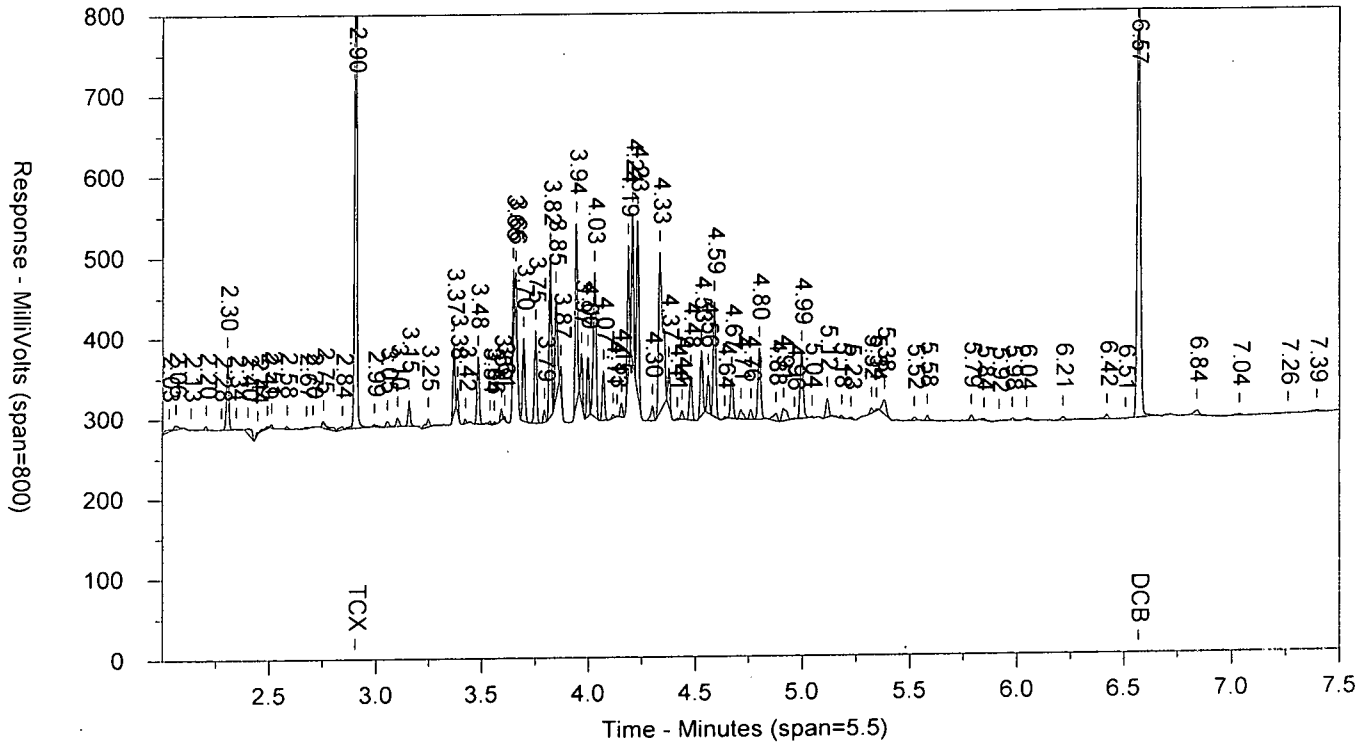

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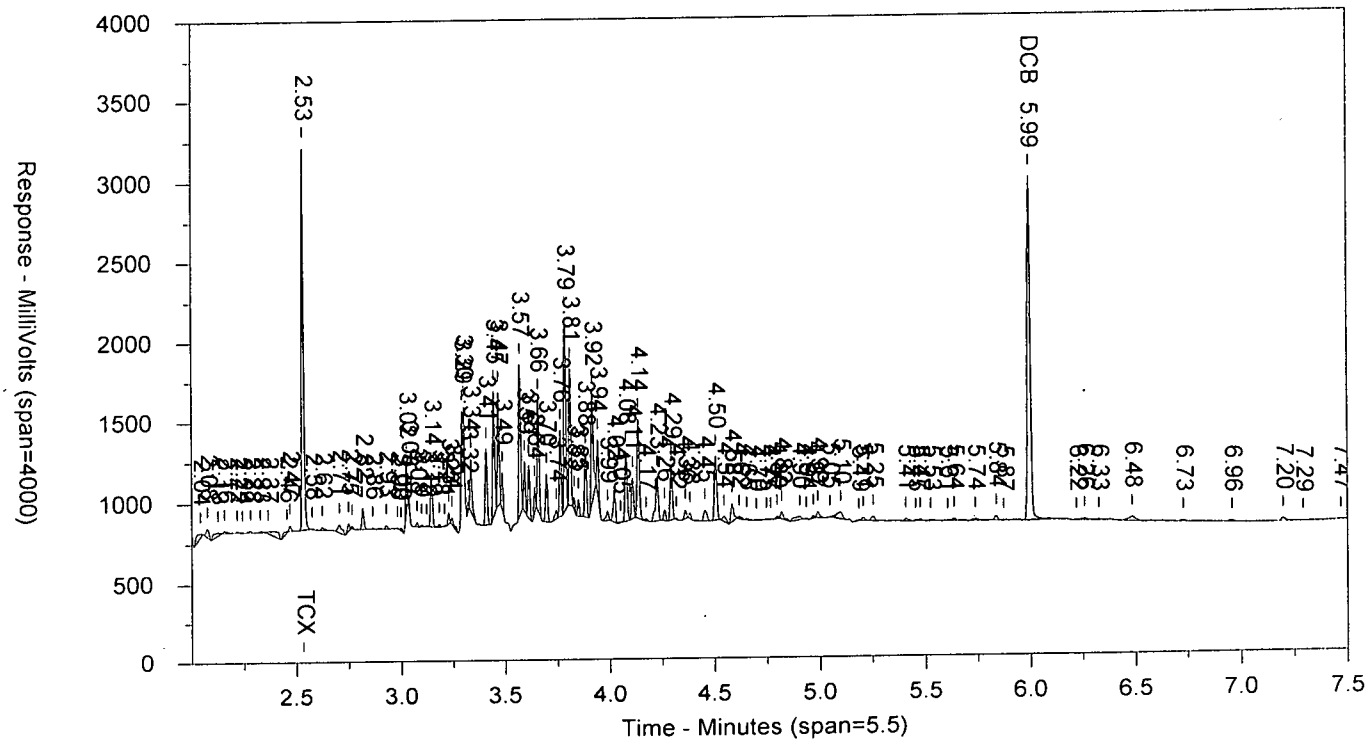

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:27:40 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.015.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.026		4880	9516
2.061		4879	11072
2.135		1090	1653
2.205		17209	13141
2.304		17926	16526
2.343		1070	1457
2.4		1529	8111
2.467		2571	2491
2.491		1688	1493
2.548		1254	2418
2.711		1961	4044
2.753		6763	5987
2.839		5587	8050
2.903	TCX	3993192	2556230
3.002		1543	1086
3.054		15411	14392
3.1		49088	38682
3.154		66982	54526
3.23		7528	4626
3.247		14097	8708
3.367		184905	111144
3.384		55833	28299
3.421		12744	7205
3.437		2308	934
3.482		174955	126544
3.538		13880	8531
3.558		6416	3727
3.591		32514	19064
3.605		9101	4229
3.647		164716	87791
3.659		143278	67014
3.695		221579	164200
3.751		235083	174003
3.792		33618	23064
3.82		408098	295767
3.846		259877	204650
3.868		72556	35465
3.942		455192	328891
3.965		137831	84794
3.996		154313	110092
4.028		362955	337951
4.068		126310	96765
4.115		11613	8513
4.154		37328	28647
4.186		312980	209747
4.205		379334	234826
4.229		437087	326248
4.299		37084	35901
4.332		295113	251237
4.351		67275	35034
4.374		103097	68715
4.415		4890	3262
4.436		23532	17961
4.477		115674	102715

RT A	Compound A	Height A	Area A
4.527		169946	141321
4.559		96707	72957
4.588		291206	248684
4.638		5725	3931
4.671		103912	93816
4.713		25301	29886
4.758		27112	23596
4.799		181635	171640
4.877		18904	25056
4.911		12047	10209
4.96		2695	1972
4.994		172438	169436
5.043		4213	2739
5.065		3678	5363
5.115		46774	42660
5.138		2658	2959
5.182		7735	6482
5.223		5134	5804
5.322		15172	12443
5.346		5490	4066
5.379		15213	21499
5.487		1105	976
5.521		9166	12204
5.582		12664	10623
5.687		1339	1422
5.787		13331	12842
5.843		5433	8784
5.929		520	2098
5.978		14023	13841
6.043		10264	14536
6.214		8084	11378
6.417		26144	28744
6.565	DCB	2529558	2697597
6.691		1904	1285
6.711		2306	2767
6.835		6185	11263
7.011		2373	1818
7.032		2607	2996
7.39		4114	7910
7.752		552	1977
7.808		3643	9068
8.303		3199	6962
8.507		7173	16480

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:27:40 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.015.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.046		2524	4391
2.074		17939	24117
2.127		22359	63980
2.172		2807	4183
2.218		7653	6632
2.281		8586	7988
2.329		6187	7908
2.392		37375	116797
2.455		11064	37001
2.469		29942	20282
2.532	TCX	11335740	7020691
2.632		4315	4909
2.706		96295	113904
2.749		195186	115346
2.765		30249	12492
2.79		2987	1613
2.817		261475	170165
2.866		43547	28292
2.928		54350	38024
2.999		21929	18739
3.024		767237	727660
3.075		62592	36255
3.097		24367	14239
3.121		20366	11026
3.144		647004	440405
3.183		34099	20689
3.209		54420	28636
3.228		144555	77339
3.244		63684	54099
3.293		476527	242910
3.302		517053	223596
3.322		112816	46161
3.336		627278	392086
3.409		909109	606545
3.445		1501014	939980
3.468		1329069	748066
3.486		456591	232522
3.57		1792878	1180510
3.592		607153	325894
3.613		648114	391437
3.641		310264	159236
3.658		1350164	821744
3.697		568652	390967
3.744		108464	82480
3.764		999103	599152
3.786		2427037	1525470
3.81		1694744	1044273
3.829		154095	70776
3.85		179385	108352
3.868		8466	2653
3.884		761117	519692
3.916		1338496	994146
3.942		704441	382305
3.989		114362	87069

RT B	Compound B	Height B	Area B
4.022		385924	284053
4.045		9590	6992
4.078		809538	616977
4.109		491750	341543
4.136		1199556	902318
4.173		27409	24719
4.226		539989	496210
4.262		142994	102196
4.293		614429	461970
4.316		20623	12083
4.359		105894	69885
4.381		66968	44096
4.454		127403	137852
4.504		791007	641443
4.546		58658	65122
4.583		217828	197811
4.615		22511	25128
4.653		19129	15434
4.749		5503	3854
4.767		7436	5070
4.799		29325	20560
4.821		82665	78991
4.876		12559	10713
4.902		13626	13505
4.937		7168	4635
4.968		31893	22529
4.991		72170	67093
5.04		6624	5248
5.062		8810	5783
5.098		31721	41585
5.138		15451	13685
5.183		5197	8156
5.206		33830	30338
5.253		56429	62135
5.35		5049	5247
5.407		60302	64128
5.453		14525	11233
5.476		40358	31876
5.527		15192	15195
5.596		3905	3647
5.636		33686	40200
5.738		26349	46467
5.836		122648	110445
5.869		3883	1986
5.994	DCB	9306619	8772866
6.172		8226	9509
6.257		20991	32231
6.32		5356	9705
6.452		8193	7539
6.485		22619	40995
6.618		4557	5687
6.726		21428	30098
6.771		2251	2485
6.952		16859	27172
7.199		12049	17923
7.415		2716	2840
7.481		8718	19804
7.613		2669	2782
7.675		3036	4405
7.754		2805	4423
7.825		13458	35989
7.914		2446	2138
8.007		11943	21443
8.087		1552	1050
8.161		2526	1342
8.201		3354	10415

RT B	Compound B	Height B	Area B
8.352		4305	11522
8.435		1532	1628

AR4831724C AAAR483AA ICAL 1727799999 10736 SW-846 8082

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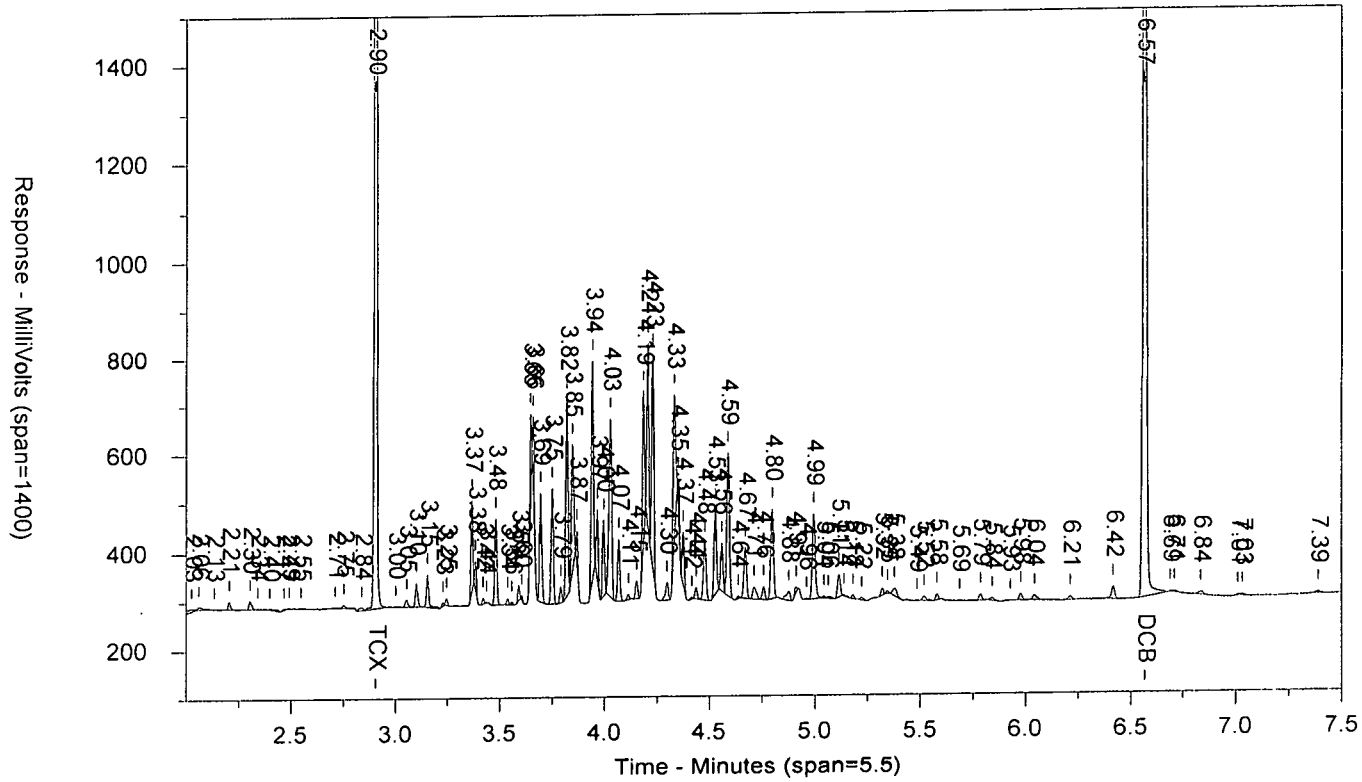

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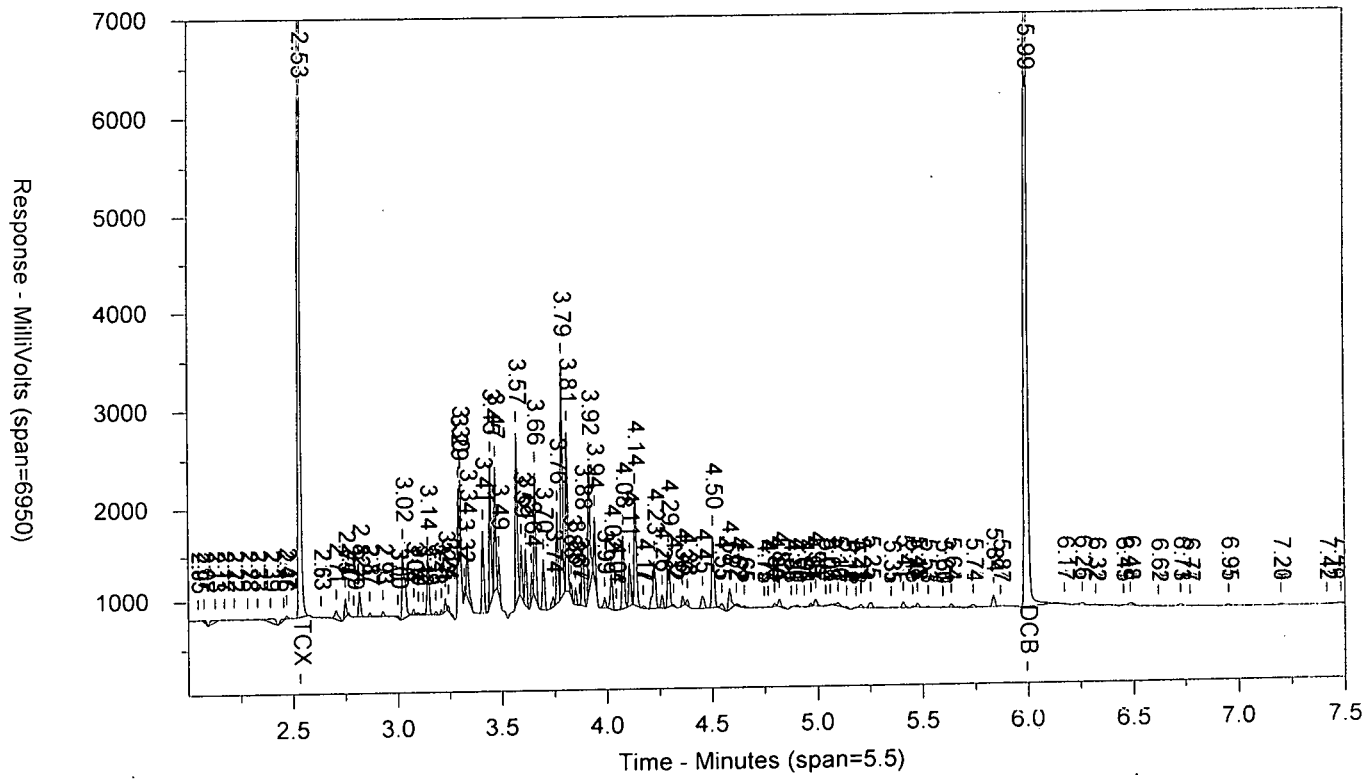

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:27:40 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	3993192	20.367	TCX	2.532	11335740	19.202	TCX
6.565	2529558	18.75	DCB	5.994	9306619	18.208	DCB

Files:
Area File: 20PCBS17278001.015.RAW
Area File: 20PCBS17278001B.015.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 12:36:22 AM
File Reported On: 10/6/2017 at 12:36:30 AM

AR4831724C AAAR483AA ICAL 1727799999 10736 SW-846 8082

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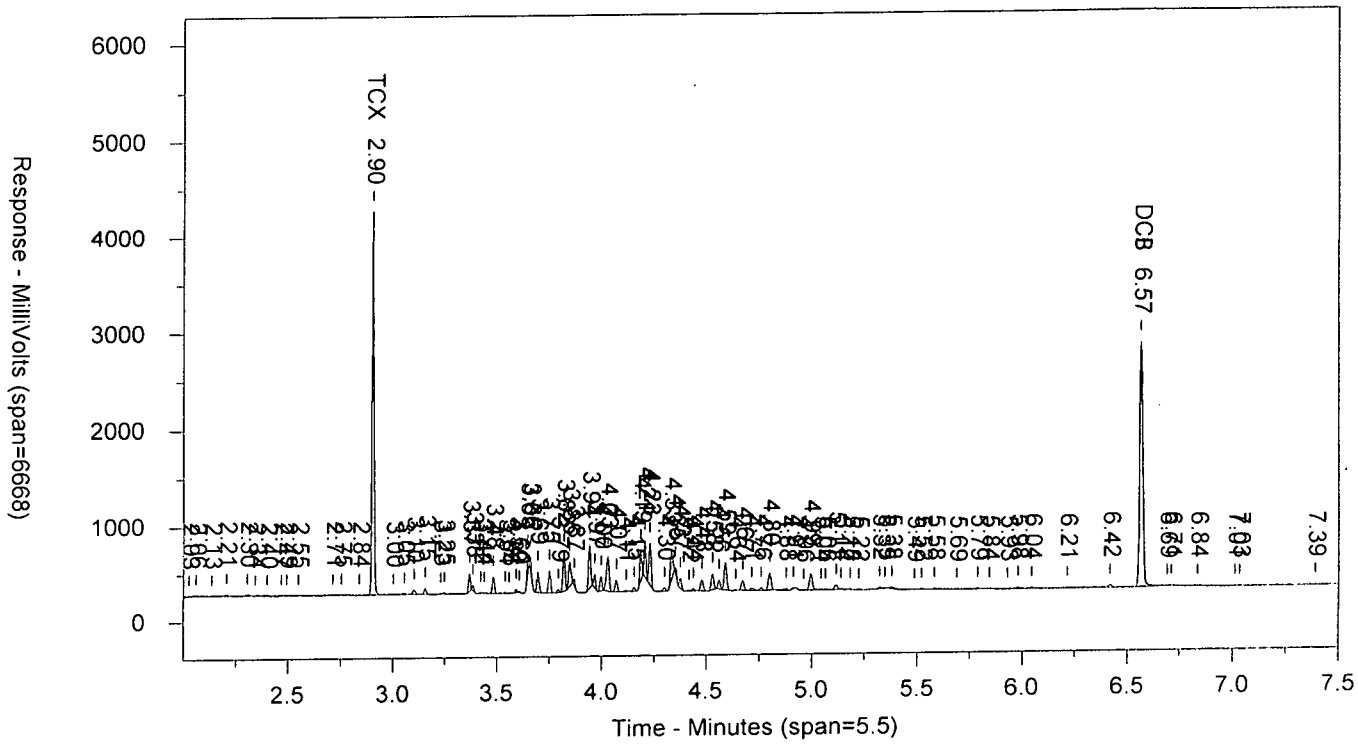

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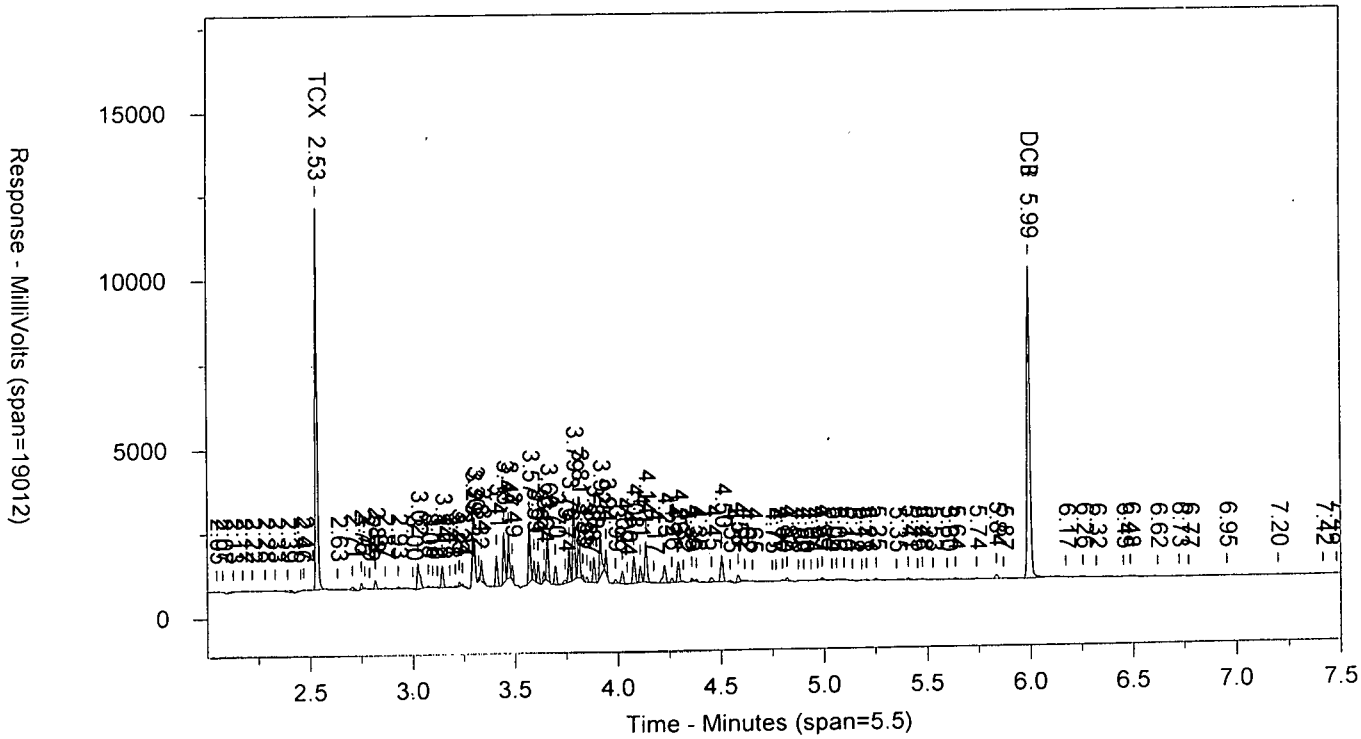

AR4831724C AAAR483AA ICAL 1727799999 10736 SW-846 8082

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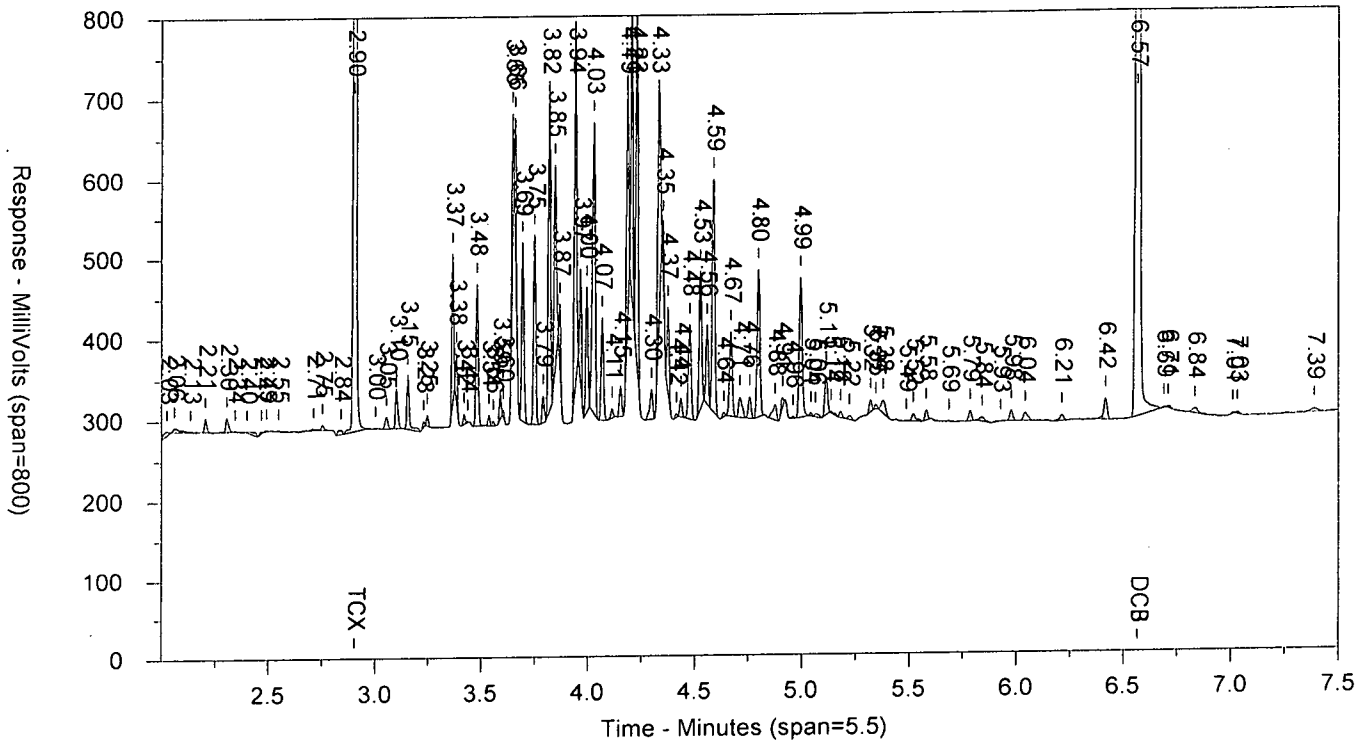

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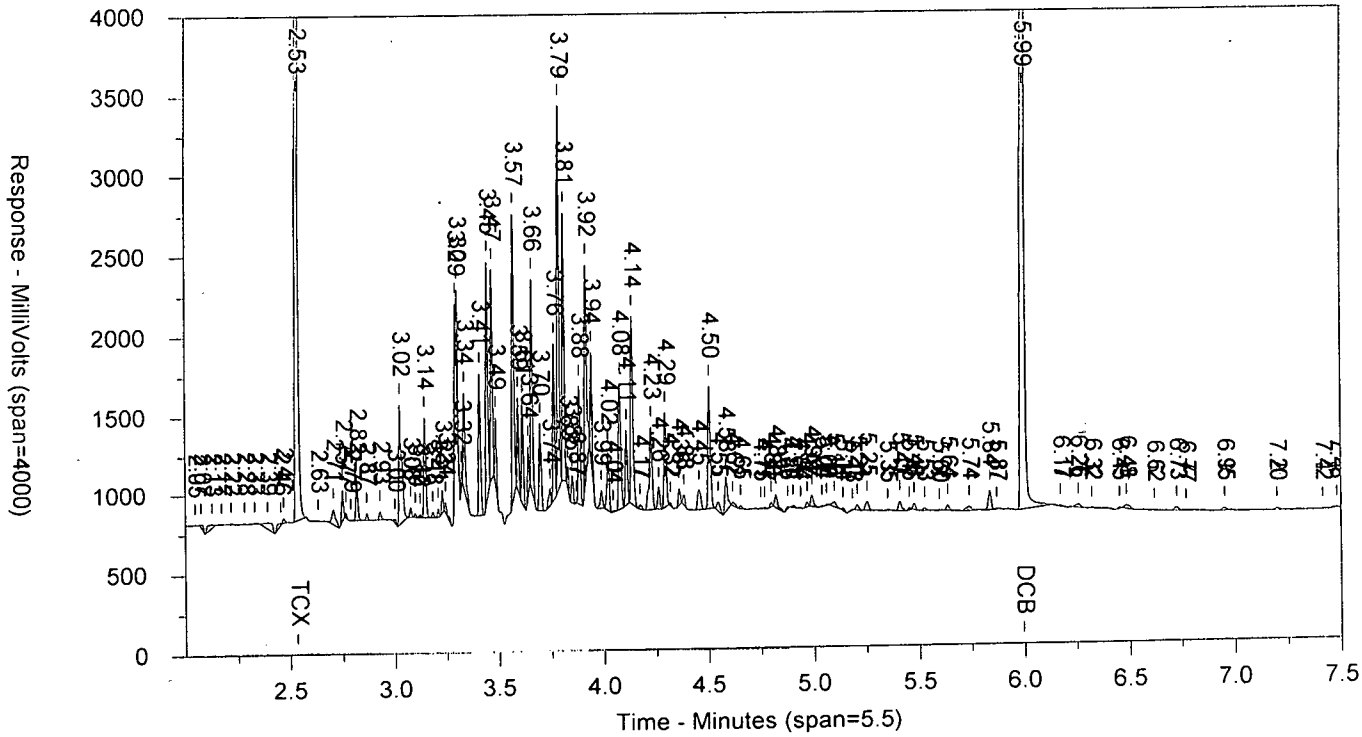

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:39:07 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.016.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.063		7504	37196
2.205		32898	24630
2.313		14461	16977
2.469		1413	1535
2.493		1795	1527
2.543		2082	1568
2.713		1323	1682
2.755		2111	2312
2.84		10042	19781
2.904	TCX	7940891	5223127
3.002		3403	2516
3.052		27356	24404
3.1		95454	73935
3.154		120041	87354
3.23		13684	7792
3.247		21088	13192
3.368		348180	207226
3.385		99792	52156
3.421		24654	13999
3.437		3695	1515
3.448		4793	2051
3.482		313015	235990
3.538		22398	13812
3.557		11765	6904
3.591		62164	36448
3.606		17227	7938
3.649		279222	147630
3.659		271481	126715
3.695		407957	306368
3.751		444233	327059
3.792		62800	43495
3.82		773352	553628
3.847		475861	375449
3.869		130001	68713
3.942		871120	619005
3.966		247218	158735
3.996		299499	206263
4.03		712705	641556
4.069		225829	183777
4.115		23297	20538
4.154		74367	54954
4.187		598090	401469
4.207		772043	475500
4.23		881497	625932
4.299		72793	67337
4.333		596072	479325
4.352		114999	60730
4.375		184179	123004
4.416		10354	6752
4.437		42218	31433
4.479		220071	192123
4.529		324506	266830
4.559		184634	136113
4.589		552829	466318

RT A	Compound A	Height A	Area A
4.638		8518	6275
4.671		198516	176238
4.715		46722	56193
4.76		49244	44720
4.8		366799	336293
4.878		32006	42548
4.911		51133	81005
4.962		4065	3229
4.996		326223	322183
5.044		8015	6166
5.069		7284	10141
5.116		85802	77768
5.157		4758	2153
5.182		13250	11630
5.226		7599	7678
5.323		28130	23488
5.346		10369	6807
5.38		12920	18978
5.44		3356	3677
5.481		1535	1519
5.522		15668	14368
5.548		2460	1361
5.582		29213	35907
5.787		23636	23631
5.843		10663	17422
5.979		27518	26769
6.042		21124	26327
6.215		12420	12792
6.259		851	970
6.344		1090	775
6.418		53833	55646
6.567	DCB	5290072	5352355
6.835		5524	8903
7.009		4246	5212
7.255		925	794
7.798		761	458
8.019		1018	954
8.203		698	1829
8.308		728	1078
8.355		1984	3004
8.511		7644	16510

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:39:07 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.016.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.074		23364	34707
2.108		7288	8329
2.16		4310	8492
2.218		10837	11791
2.281		8809	8603
2.332		5415	6267
2.375		2397	2108
2.468		47290	173499
2.532	TCX	22571620	14008650
2.576		24687	11671
2.621		6862	10946
2.706		136367	130111
2.75		340665	192687
2.765		50567	20833
2.817		451193	303025
2.865		80876	50632
2.927		97732	64194
2.981		2562	1269
3.024		943146	492639
3.034		131159	48543
3.075		120458	70748
3.096		47361	26988
3.121		39575	21127
3.144		1141707	793045
3.183		62151	36815
3.208		107618	57230
3.229		266797	142513
3.244		118280	57443
3.293		754016	400794
3.302		1067974	450539
3.322		189021	81380
3.336		1104976	702803
3.409		1660588	1097257
3.445		2662730	1699260
3.468		2448541	1356661
3.486		821400	422509
3.57		3306381	2146486
3.593		1066619	584540
3.613		1149479	701578
3.642		571420	291064
3.658		2408427	1484555
3.698		1036272	711426
3.744		201504	161544
3.765		1837294	1122413
3.787		4404760	2781454
3.81		3173823	1929405
3.829		258419	120818
3.849		293964	176339
3.867		17359	5299
3.884		1376588	935724
3.917		2475842	1787069
3.943		1282930	717339
3.99		203961	150093
4.023		798056	589530

RT B	Compound B	Height B	Area B
4.079		1492421	1122033
4.109		882592	621220
4.137		2188203	1622338
4.174		51705	46841
4.227		947069	901656
4.262		242391	180674
4.294		1251671	962415
4.317		37548	20365
4.36		187955	124630
4.383		122238	77873
4.454		232793	255749
4.505		1440113	1173038
4.545		86574	83036
4.584		396912	352541
4.616		47067	54169
4.653		39043	30000
4.704		4008	4345
4.726		4475	3390
4.75		9432	5881
4.768		17001	10989
4.799		57888	39864
4.821		130637	99431
4.872		28773	24440
4.904		18967	16432
4.937		15133	11510
4.968		62693	44928
4.992		134438	121196
5.037		4461	3431
5.063		19286	15946
5.098		27830	31813
5.185		5152	7136
5.207		59452	51741
5.254		104957	114593
5.373		3373	4420
5.407		121012	114476
5.476		96482	96935
5.527		26231	25625
5.636		56755	46552
5.674		4618	7223
5.733		2956	3880
5.787		4171	4007
5.836		243055	211785
5.867		6235	4308
5.886		4521	4136
5.927		2591	1593
5.994	DCB	19254100	17454760
6.452		18640	16685
6.482		14617	15135
6.623		4967	4653
6.765		2367	17733
7.122		1807	1774
7.197		2107	1670
7.47		3228	3281
7.824		12661	31122
8.011		11322	23715
8.2		3656	5680
8.341		2920	4816
8.537		2397	2605
8.563		2590	3814

AR4841724C AAAR484AA ICAL 1727799999 10736 SW-846 8082

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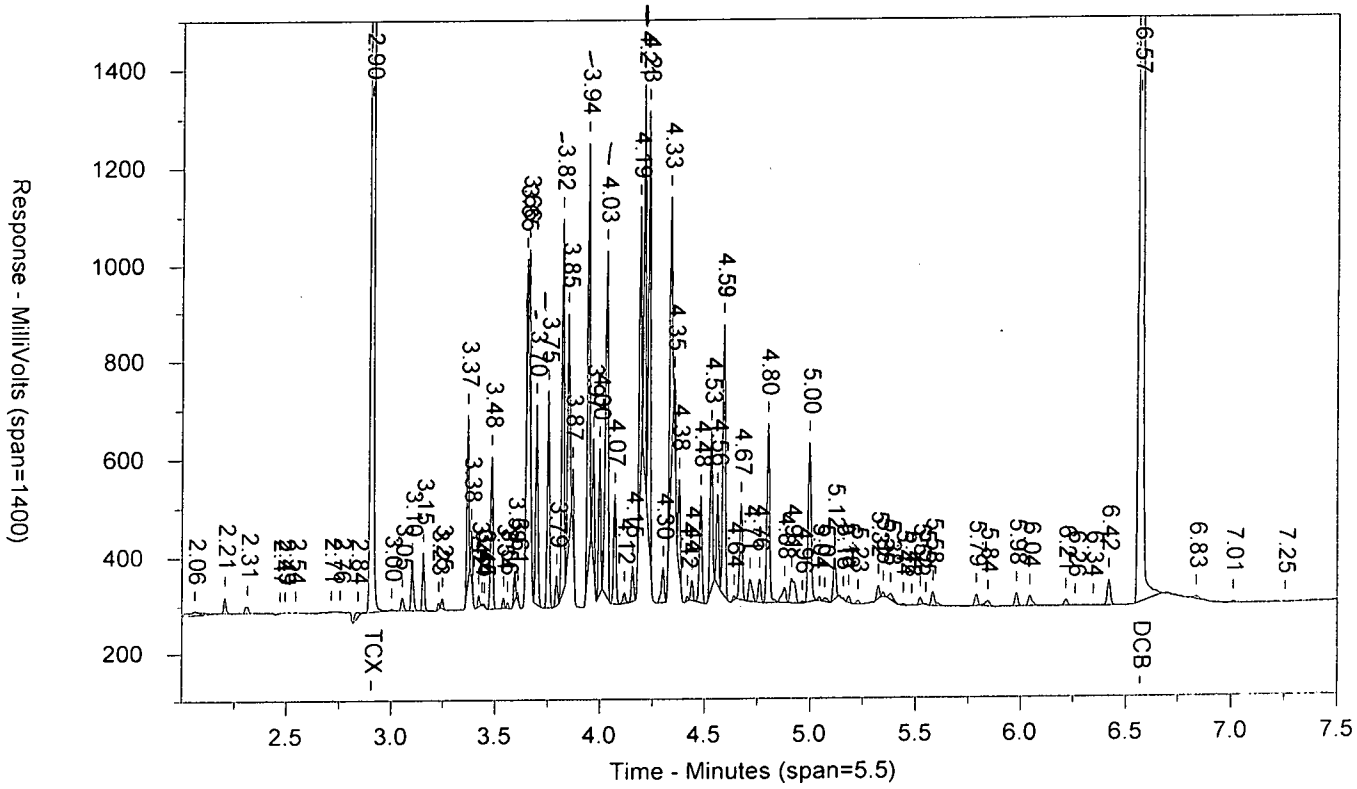

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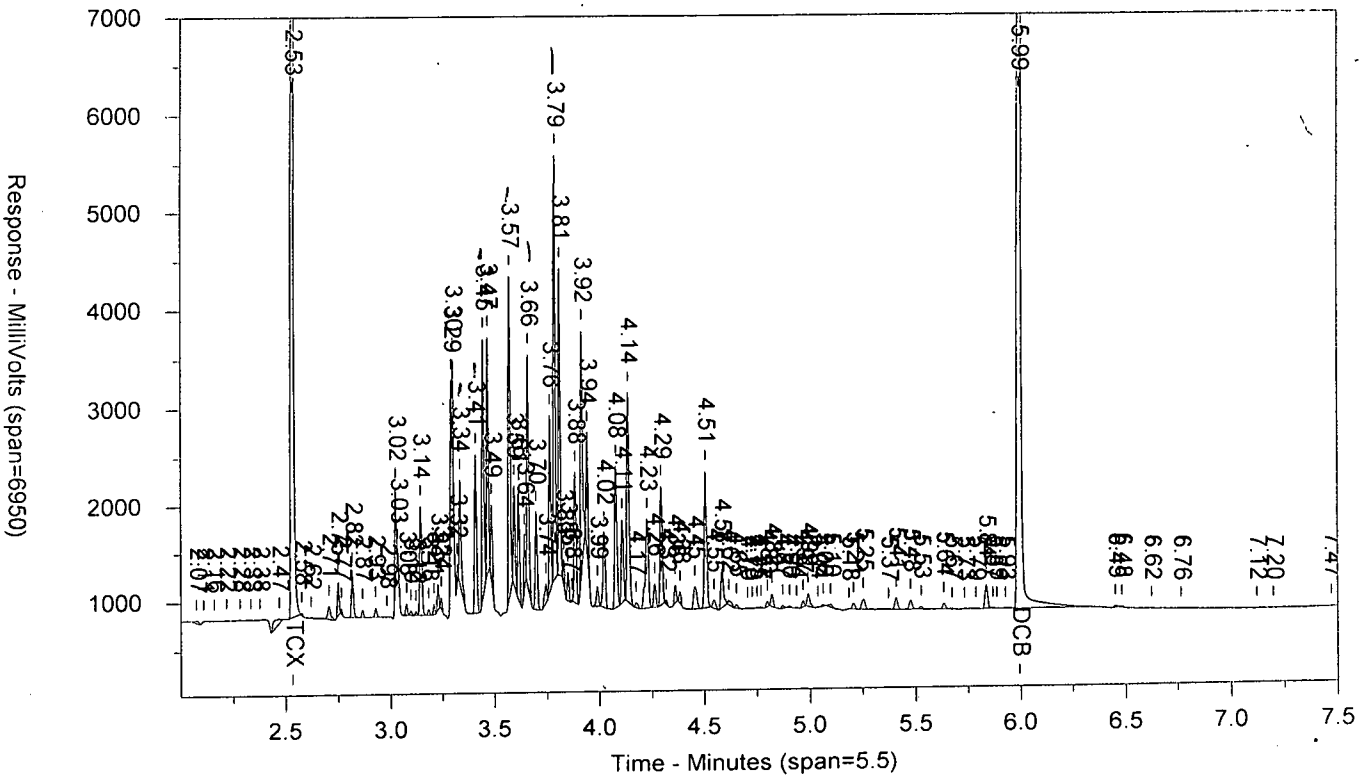

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:39:07 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	7940891	40.502	TCX	2.532	22571620	38.234	TCX
6.567	5290072	39.212	DCB	5.994	19254100	37.671	DCB

Files:
Area File: 20PCBS17278001.016.RAW
Area File: 20PCBS17278001B.016.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 12:47:49 AM
File Reported On: 10/6/2017 at 12:48:00 AM

AR4841724C AAAR484AA ICAL 1727799999 10736 SW-846 8082

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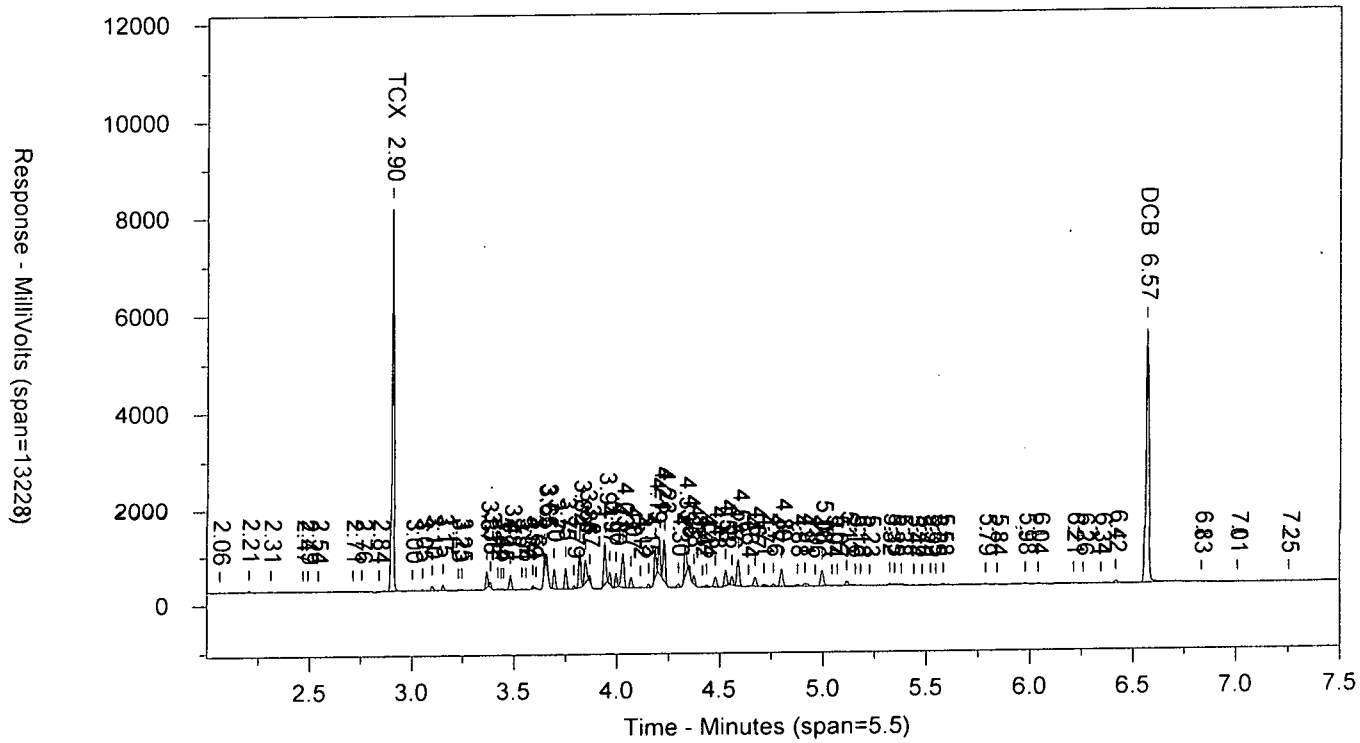

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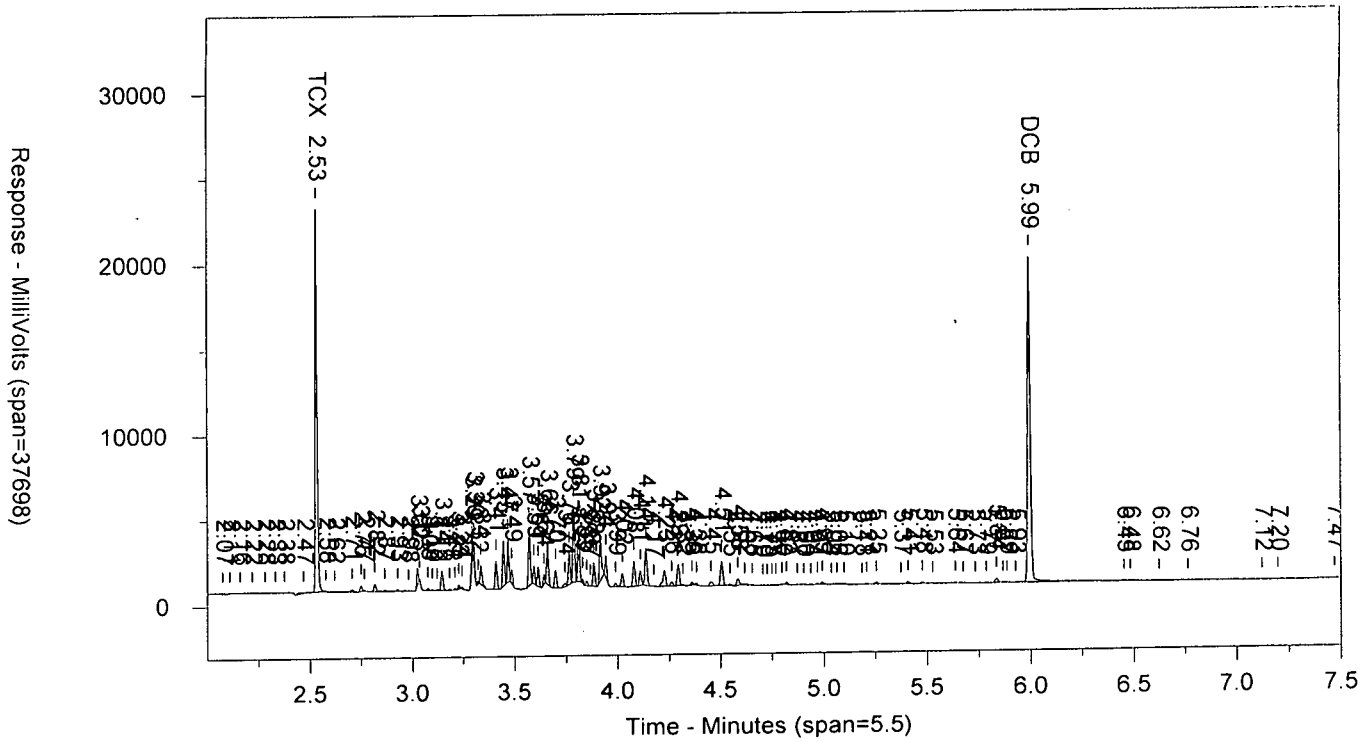

AR4841724C AAAR484AA ICAL 1727799999 10736 SW-846 8082

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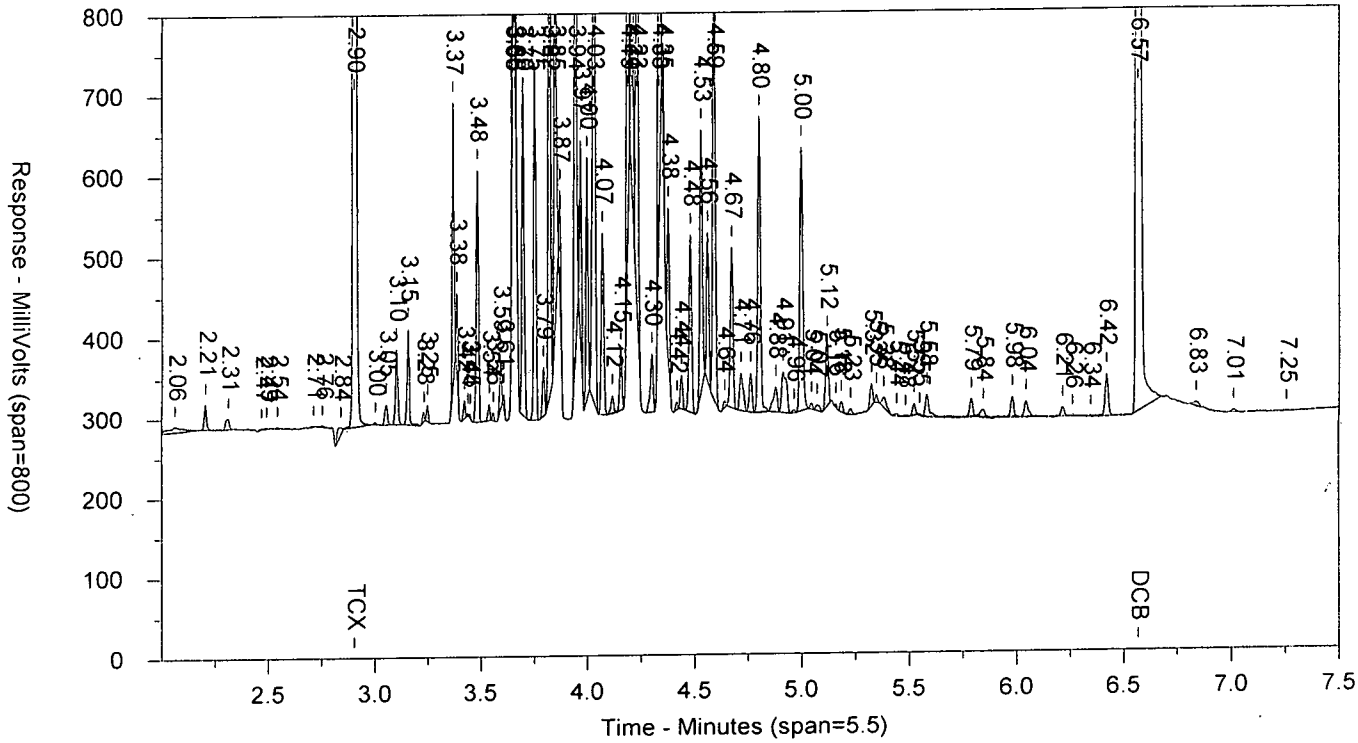

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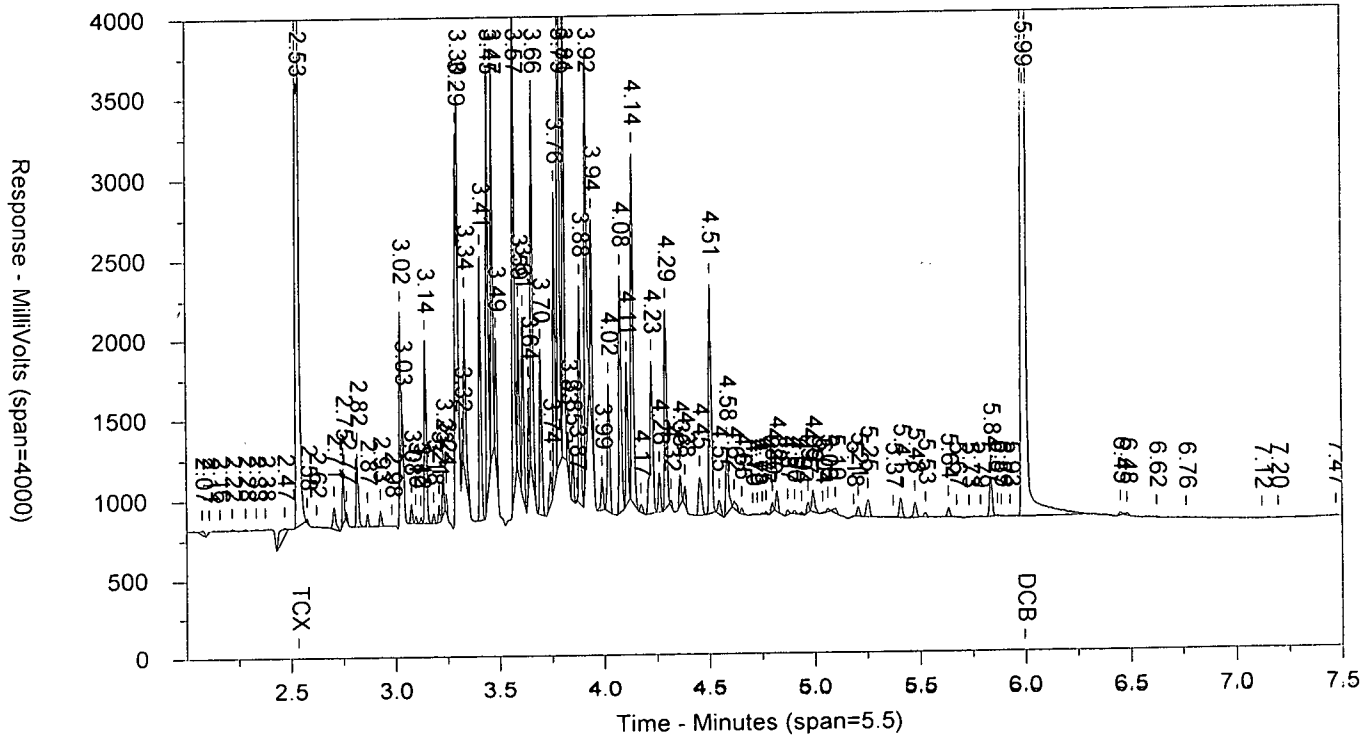

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:50:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.017.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.023		4685	7076
2.065		4689	10484
2.205		49138	36769
2.313		20270	21100
2.462		2057	1722
2.493		1689	1173
2.545		4934	4708
2.585		1327	1202
2.675		1300	1260
2.722		1208	2384
2.754		3788	3774
2.842		6003	10300
2.903	TCX	12056830	7925623
3.003		3326	2413
3.053		66550	58973
3.1		142798	121781
3.154		274790	201125
3.229		19107	10665
3.247		53237	33626
3.289		1295	947
3.368		788231	471709
3.384		246672	124127
3.421		55022	32693
3.437		8764	3411
3.448		9856	4009
3.481		739578	549519
3.519		1898	957
3.537		29423	17106
3.556		31641	19812
3.59		144874	85415
3.605		41570	19373
3.647		735769	394347
3.658		671707	305650
3.695		983203	723023
3.751		1087848	775186
3.791		144208	101954
3.819		1798562	1294741
3.846		1181525	895227
3.868		296381	161152
3.941		2081200	1480768
3.965		590606	368768
3.996		688060	479379
4.029		1766454	1533694
4.068		549708	425067
4.115		55450	47084
4.153		174812	131754
4.186		1421218	936735
4.205		1776213	1115102
4.228		2107407	1517722
4.298		169807	155932
4.332		1432465	1166388
4.352		370703	198727
4.373		423492	279379
4.414		25763	16598

RT A	Compound A	Height A	Area A
4.436		97426	72590
4.478		509647	442308
4.527		753756	629735
4.559		432318	318044
4.588		1347316	1117627
4.637		20984	15191
4.67		467352	413548
4.713		111771	130101
4.759		121260	104575
4.799		831984	795044
4.877		75406	99193
4.91		117660	185361
4.96		10981	8446
4.995		826314	794435
5.042		19256	14672
5.068		18042	23427
5.115		204463	185156
5.137		10518	4613
5.154		10053	5829
5.182		34622	29489
5.224		17569	16387
5.258		2005	1724
5.294		1014	715
5.321		64095	53658
5.344		25370	18029
5.375		5895	5824
5.399		7203	5138
5.44		7362	8160
5.482		2734	2678
5.521		36937	33159
5.545		4068	2765
5.581		68389	63354
5.786		58595	55306
5.84		24004	36271
5.978		40634	39869
6.042		32239	46180
6.214		29578	28853
6.343		1642	1609
6.416		81027	83296
6.565	DCB	7902540	8089928
6.693		5365	4561
6.726		2930	2357
7.008		5780	7611
7.204		1571	1328
7.878		1559	3024
8.234		679	1562
8.361		2377	5127
8.508		7063	15188

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:50:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.017.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.07		22227	36537
2.11		8538	10850
2.171		4466	6360
2.219		20759	21358
2.28		7959	9629
2.328		5024	5353
2.365		4576	2624
2.456		14541	42676
2.469		15466	9604
2.49		4248	2874
2.532	TCX	34024660	21140210
2.577		55440	28733
2.623		2650	1902
2.677		4448	2856
2.706		300658	260294
2.75		464911	256113
2.765		122114	57731
2.817		997708	673636
2.865		122307	71874
2.927		224074	146604
2.978		3814	2150
3.024		1940756	1021642
3.034		271096	106831
3.075		268480	162147
3.096		113206	67881
3.121		93896	49874
3.144		2503274	1717224
3.183		151365	93793
3.209		137788	71982
3.229		585297	312171
3.243		217805	99525
3.293		2073119	941312
3.302		2429633	1011504
3.322		410613	173960
3.336		2483374	1561126
3.409		3704107	2429207
3.445		5992191	3706387
3.468		5540315	2990764
3.485		1726914	899733
3.57		7424460	4748861
3.592		2368227	1268004
3.613		2532886	1538103
3.641		1241094	645350
3.658		5589050	3327682
3.697		2220367	1558192
3.744		444564	360287
3.764		4190712	2499259
3.786		10276350	6393177
3.81		7340249	4424426
3.829		575319	277964
3.849		660069	374115
3.867		40365	13076
3.883		3029254	2049266
3.916		5642490	4009362

RT B	Compound B	Height B	Area B
3.942		3011576	1678344
3.989		451124	319554
4.022		1715992	1328370
4.078		3372049	2513471
4.109		1960048	1384805
4.136		5071236	3659290
4.173		115153	107899
4.226		2108240	1993260
4.262		545769	402203
4.293		2936488	2190788
4.316		83787	47206
4.359		418853	273364
4.382		262200	173071
4.454		511713	575081
4.504		3324057	2696378
4.545		189207	165889
4.583		879292	778748
4.615		94677	111351
4.652		81289	59750
4.708		6476	5551
4.722		12238	7560
4.748		22612	13399
4.766		33955	23595
4.798		135551	93236
4.821		294220	224910
4.871		73474	60137
4.904		40162	33985
4.937		32687	23903
4.967		146461	102644
4.991		286177	262058
5.036		5687	4808
5.062		34750	28189
5.099		24381	30299
5.182		6987	7384
5.206		138664	118923
5.252		240679	274219
5.407		181063	166587
5.476		138332	138013
5.525		54962	50969
5.635		133109	113752
5.668		7784	9722
5.733		3877	5753
5.787		6775	5815
5.835		368344	323037
5.868		8558	5560
5.888		6488	4493
5.932		2980	2562
5.956		2524	1734
5.994	DCB	29062640	26359730
6.322		4857	6348
6.449		28670	25629
6.481		14092	12001
6.62		7586	11110
6.725		3660	3468
7.07		2467	3206
7.369		2590	2647
7.425		2080	2610
7.576		1847	2371
7.687		2568	3677
7.826		11175	19919
7.904		2022	3431
8.008		10470	19887

AR4851724C AAAR485AA ICAL 1727799999 10736 SW-846 8082

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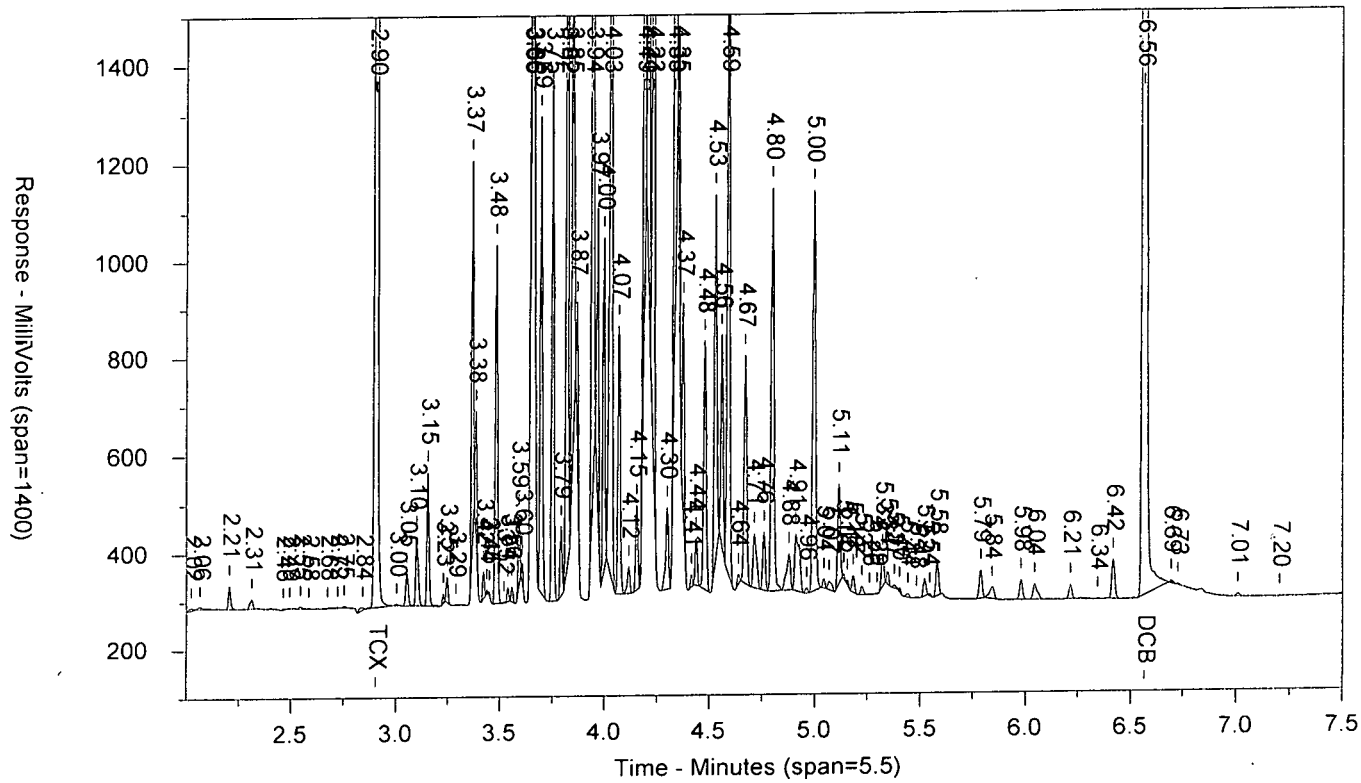

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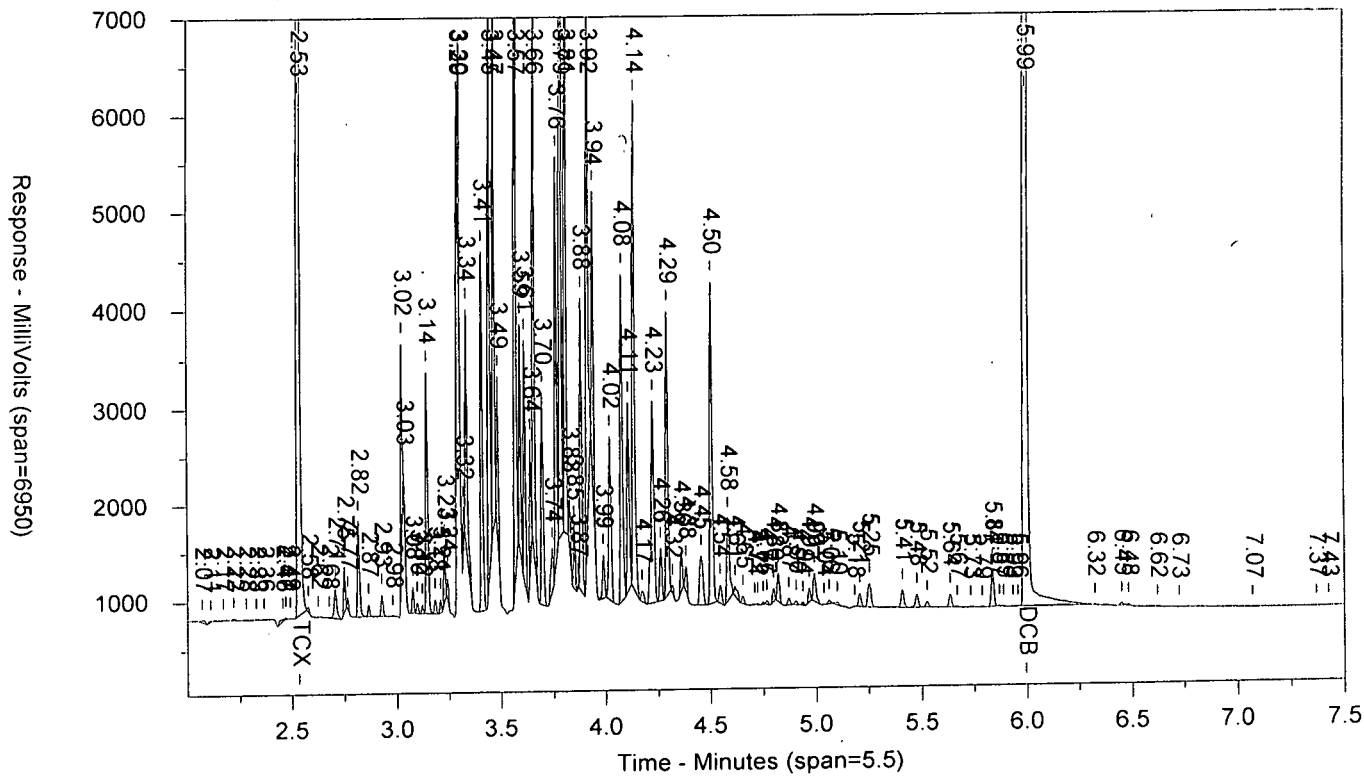

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 12:50:27 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	12056830	61.495	TCX	2.532	34024660	57.634	TCX
6.565	7902540	58.577	DCB	5.994	29062640	56.861	DCB

Files:
Area File: 20PCBS17278001.017.RAW
Area File: 20PCBS17278001B.017.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 12:59:09 AM
File Reported On: 10/6/2017 at 12:59:27 AM

AR4851724C AAAR485AA ICAL 1727799999 10736 SW-846 8082

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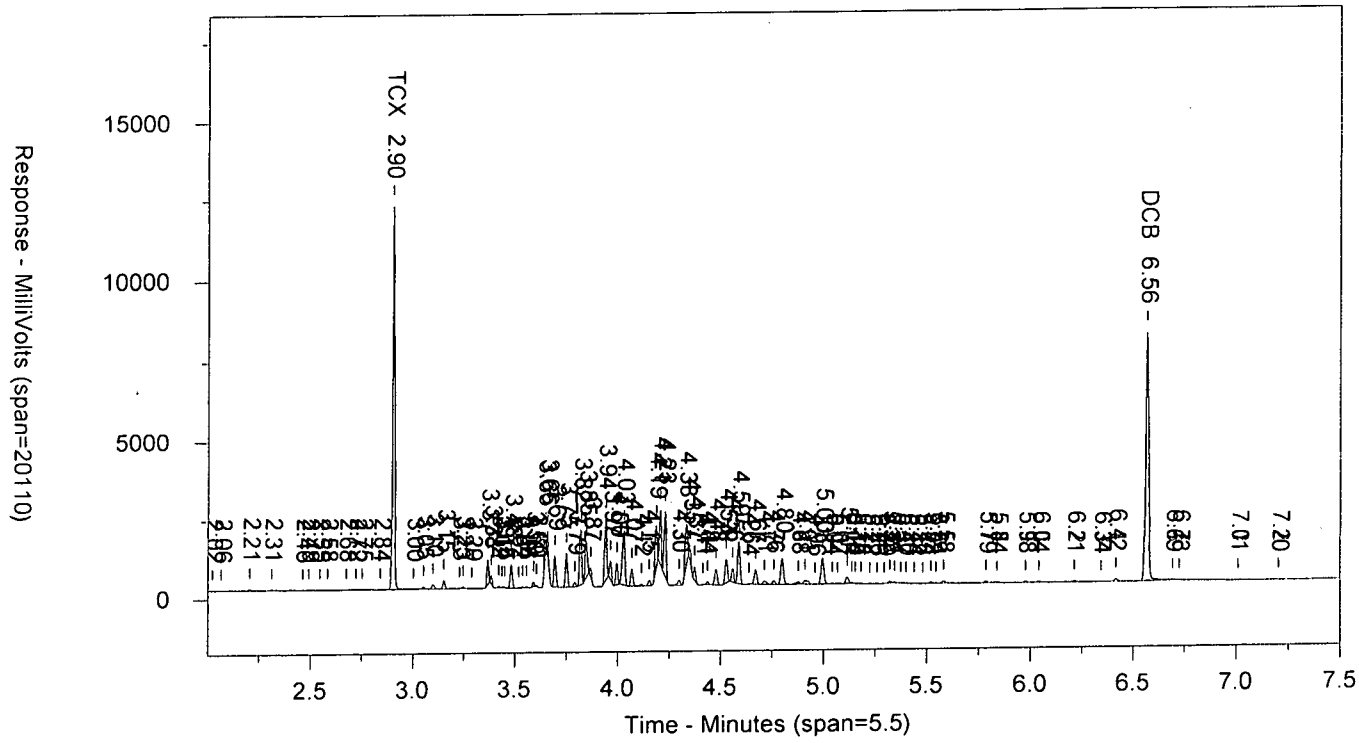

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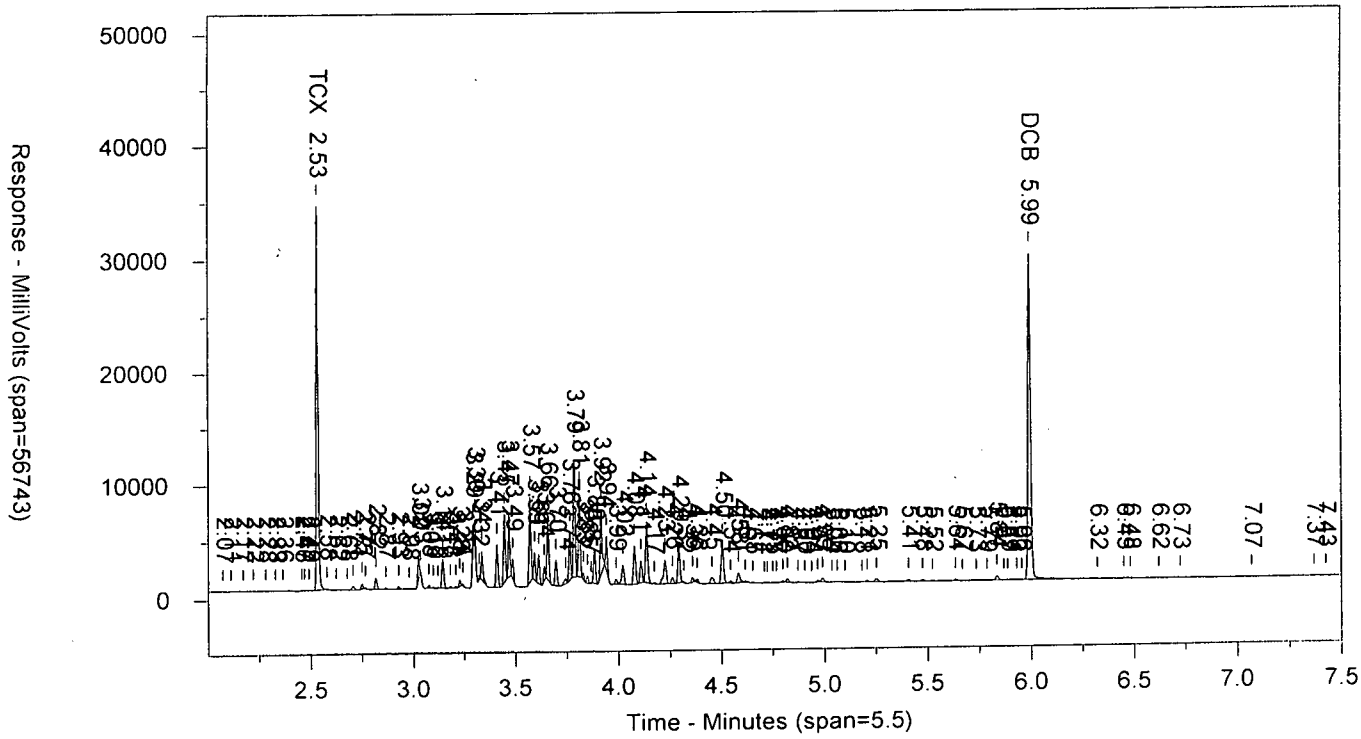

AR4851724C AAAR485AA ICAL 1727799999 10736 SW-846 8082

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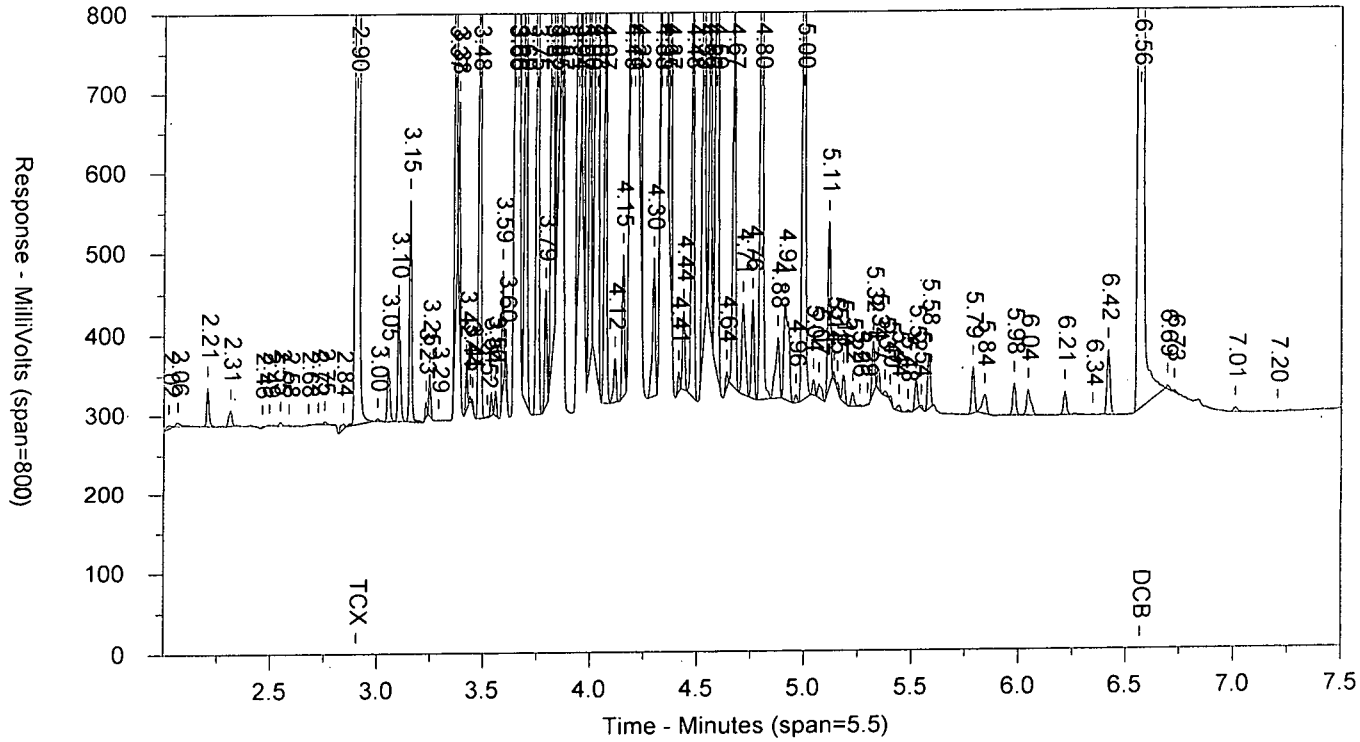

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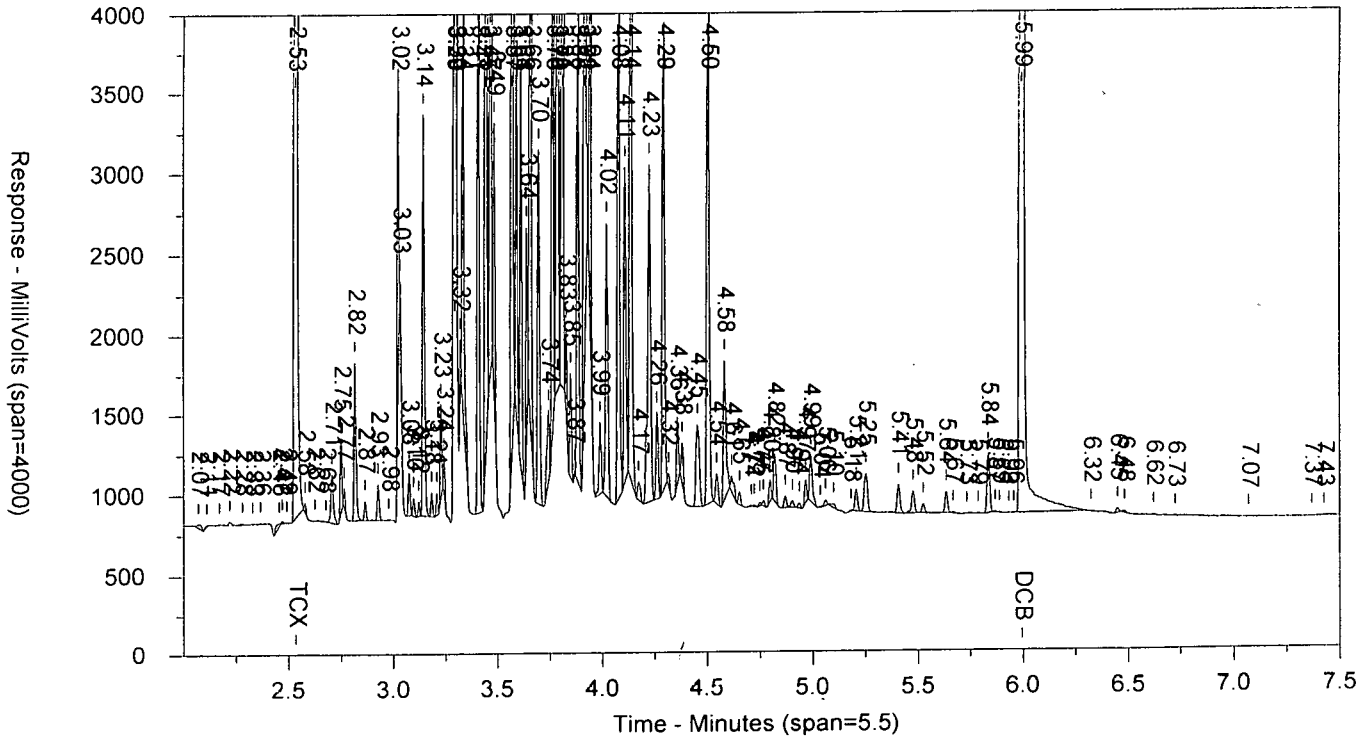

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:01:49 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.018.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.036		2386	8747
2.064		4868	12161
2.206		63386	48914
2.313		26947	32071
2.404		3142	9009
2.492		3808	8206
2.544		9525	8571
2.708		898	655
2.753		5443	5377
2.838		5161	7200
2.904	TCX	15672510	10487140
3.003		4568	4165
3.053		134030	119260
3.101		195287	179284
3.154		542494	379705
3.229		25409	13339
3.247		104431	66614
3.289		2691	1710
3.368		1530991	911368
3.385		479456	242701
3.422		108187	61915
3.437		19614	7711
3.448		16079	7287
3.482		1479659	1067926
3.518		3815	1807
3.537		33621	19882
3.556		69824	44816
3.59		287506	165775
3.605		87502	40156
3.647		1508933	794372
3.658		1581119	714300
3.694		1971352	1440164
3.751		2142032	1520598
3.792		277601	192662
3.819		3630261	2527002
3.847		2262767	1732392
3.868		535864	282278
3.941		4237839	2911967
3.965		1133760	705553
3.995		1322213	917368
4.029		3378262	2989757
4.068		1038448	810579
4.115		107564	91928
4.153		322445	247243
4.186		2965759	1921039
4.205		3500547	2169536
4.228		4067375	3002423
4.298		325703	293432
4.332		2704578	2222595
4.351		809256	427785
4.374		873548	556766
4.414		47459	29993
4.435		181515	136572
4.477		940136	839476

RT A	Compound A	Height A	Area A
4.527		1443135	1196218
4.558		830959	604991
4.588		2550948	2162564
4.636		40833	29237
4.67		889797	792265
4.713		214935	247045
4.759		223502	197950
4.799		1655782	1480745
4.877		147768	186591
4.91		100454	76115
4.923		51331	28583
4.96		19340	15184
4.994		1623814	1555247
5.042		35150	27623
5.067		29585	41689
5.115		384959	349330
5.137		21296	9364
5.154		20927	11629
5.181		61990	54191
5.223		32351	31904
5.257		3637	2842
5.321		125168	101515
5.343		50910	35450
5.399		20396	15102
5.438		13368	14843
5.481		4961	4669
5.52		67780	64089
5.545		9445	6411
5.581		140166	152207
5.786		106185	102991
5.842		45658	69921
5.906		1115	1147
5.977		54774	53948
6.041		46909	65856
6.212		56179	56587
6.258		2455	2301
6.342		1911	1865
6.385		1009	780
6.414		113497	114088
6.518		1234	1381
6.562	DCB	10190870	10401760
6.632		4912	5630
6.672		3248	2715
6.692		3471	5334
6.824		2850	5570
7.007		7494	9475
7.148		799	821
7.489		1139	1475
7.982		1062	362
8.099		721	407
8.513		7105	17486
8.638		706	790

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:01:49 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.018.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.075		41026	55953
2.128		21875	75416
2.171		3326	2631
2.219		38428	39410
2.27		3238	2083
2.328		6474	10244
2.366		2975	1420
2.395		25186	66792
2.47		34769	87423
2.489		6795	4137
2.532	TCX	46054100	27955310
2.577		115643	67433
2.637		5549	4634
2.706		577639	491973
2.75		574618	311930
2.765		254455	129454
2.817		1800514	1237254
2.865		152110	89457
2.927		413965	276802
3.024		3392523	1812936
3.034		518427	189629
3.075		491492	299472
3.096		225832	135767
3.121		170091	91673
3.144		4586471	3149083
3.183		321638	202699
3.208		163791	86005
3.228		1065786	580487
3.243		401911	179810
3.293		3485920	1709294
3.302		4735654	1958047
3.322		745743	313740
3.335		4676604	2936299
3.409		7009360	4504270
3.445		11548960	6947156
3.467		10335260	5649751
3.485		3244582	1687078
3.57		14275370	9007812
3.592		4192368	2294331
3.613		4663376	2806606
3.64		2402633	1198832
3.657		10898320	6307080
3.696		4116593	2839866
3.743		822235	654179
3.763		7737393	4557705
3.786		20202690	12286970
3.809		14245300	8492267
3.828		1046468	493694
3.849		1142832	660001
3.867		75207	25852
3.883		5485817	3717099
3.915		10878260	7695351
3.942		5886997	3225304
3.973		15773	7575

RT B	Compound B	Height B	Area B
3.988		814209	540258
4.022		3000272	2292234
4.077		6020791	4611664
4.109		3582549	2518021
4.136		9452034	6776518
4.173		203405	193159
4.226		3877688	3605301
4.261		1029219	726466
4.293		4937019	3782764
4.316		163608	89682
4.359		723913	487027
4.381		483348	310616
4.453		947315	1039234
4.503		6276155	4989489
4.545		346302	299052
4.582		1515667	1363755
4.614		158567	189967
4.651		137808	100244
4.708		9231	9975
4.723		20748	12968
4.748		40718	23684
4.766		69647	46013
4.797		248158	174977
4.819		538975	407388
4.87		132590	111744
4.904		68098	55093
4.936		54152	40965
4.967		261556	187366
4.99		543284	472782
5.034		6745	4287
5.061		76624	167095
5.181		14002	12048
5.205		247056	213140
5.252		438117	500018
5.406		234333	222970
5.454		7419	4573
5.475		183064	157570
5.524		104403	91123
5.634		240855	210721
5.665		14311	15878
5.741		5926	10705
5.784		9152	7233
5.835		480582	438821
5.865		10772	6493
5.886		6207	4977
5.993	DCB	37165570	33946480
6.446		39897	33721
6.477		14465	15776
6.618		8079	8176
6.724		4642	5051
6.948		4766	8045
7.196		2331	5451
7.558		1692	1463
7.751		3260	8125
7.823		11342	19995
7.95		2003	1288
8.001		11826	17668
8.34		2659	4423
8.432		1838	2598
8.469		1949	882
8.65		2081	1268

AR4861724B AAAR486AA ICAL 1727799999 10736 SW-846 8082

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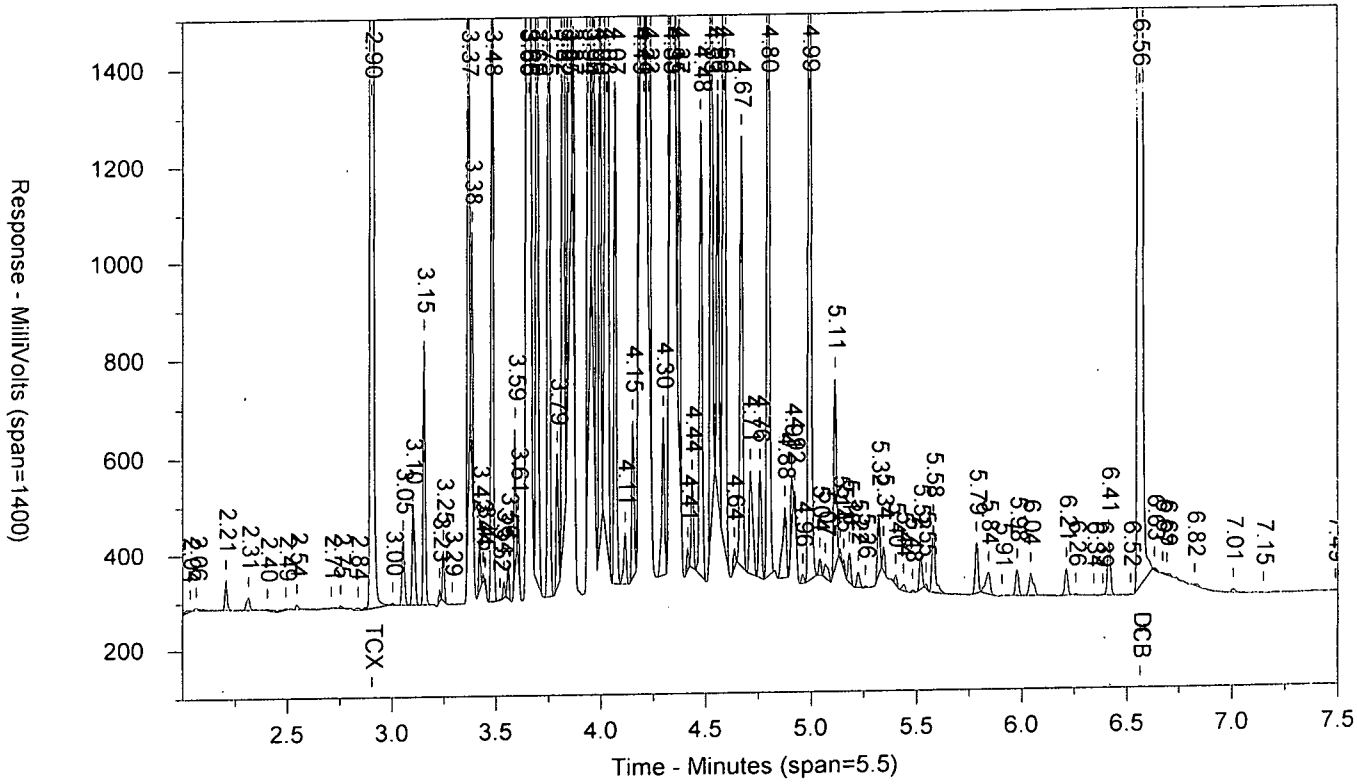

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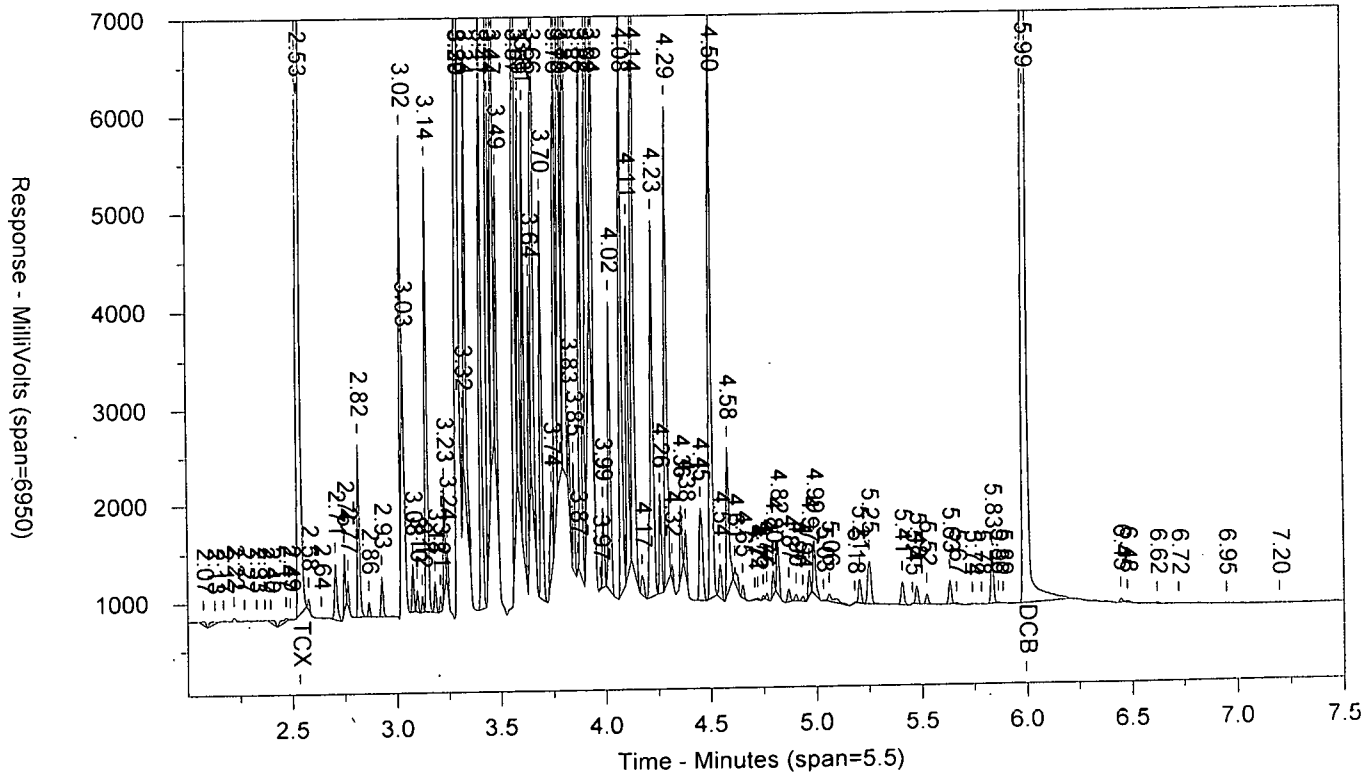

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:01:49 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	15672510	79.936	TCX	2.532	46054100	78.011	TCX
6.562	10190870	75.539	DCB	5.993	37165570	72.714	DCB

Files:
Area File: 20PCBS17278001.018.RAW
Area File: 20PCBS17278001B.018.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 1:10:34 AM
File Reported On: 10/6/2017 at 1:10:41 AM

AR4861724B AAAR486AA ICAL 1727799999 10736 SW-846 8082

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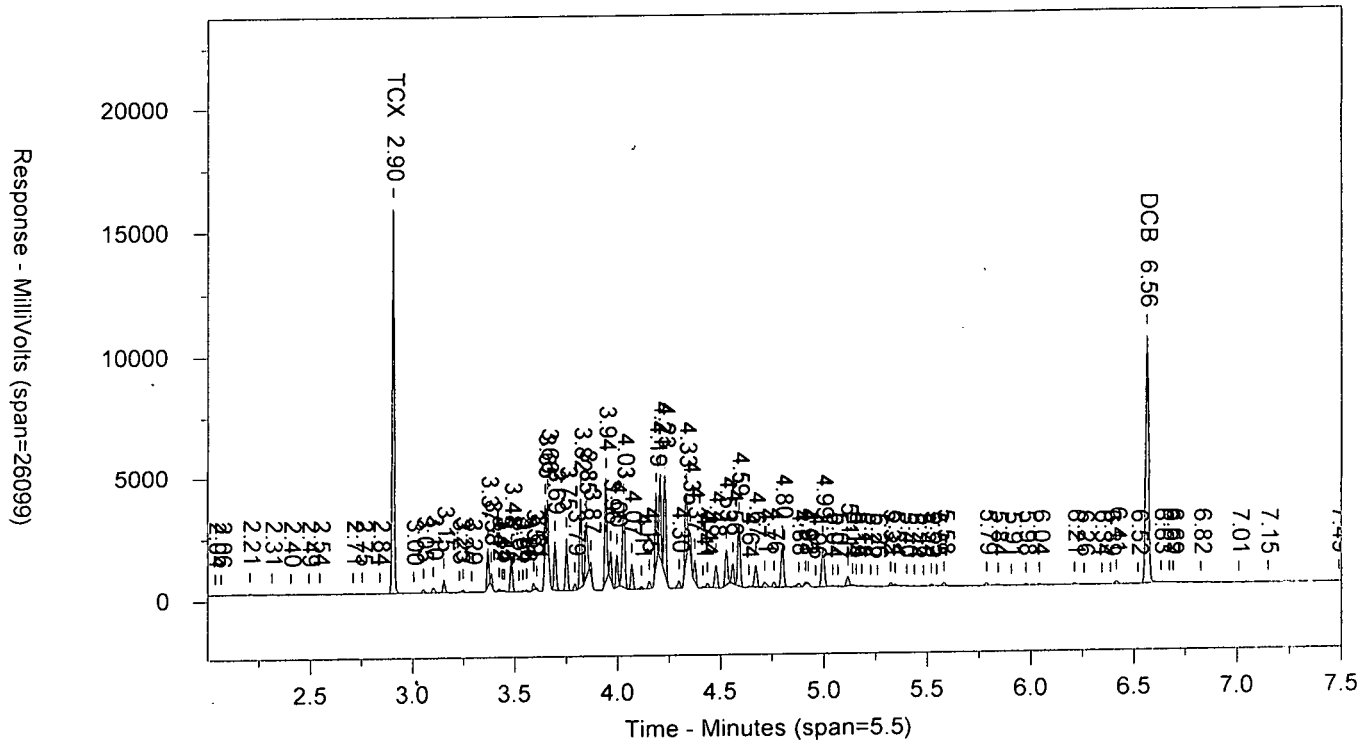

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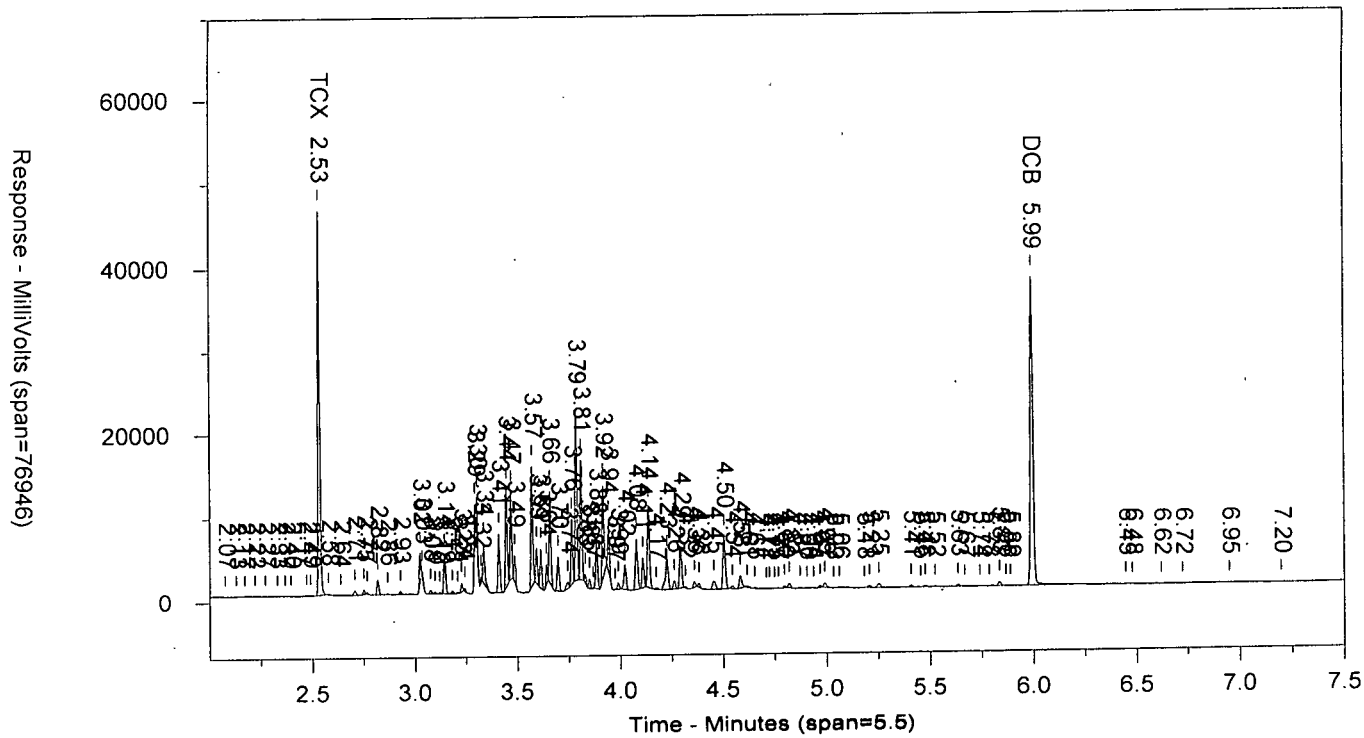

AR4861724B AAAR486AA ICAL 1727799999 10736 SW-846 8082

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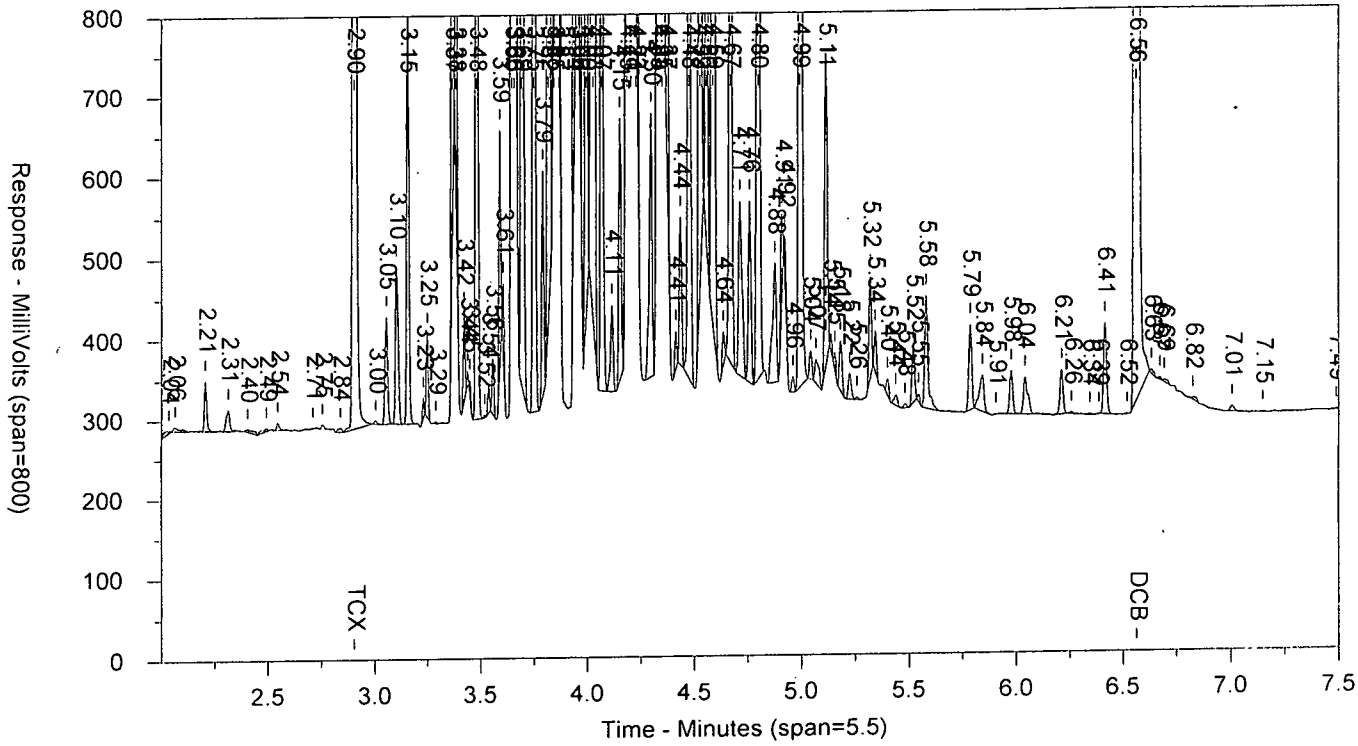

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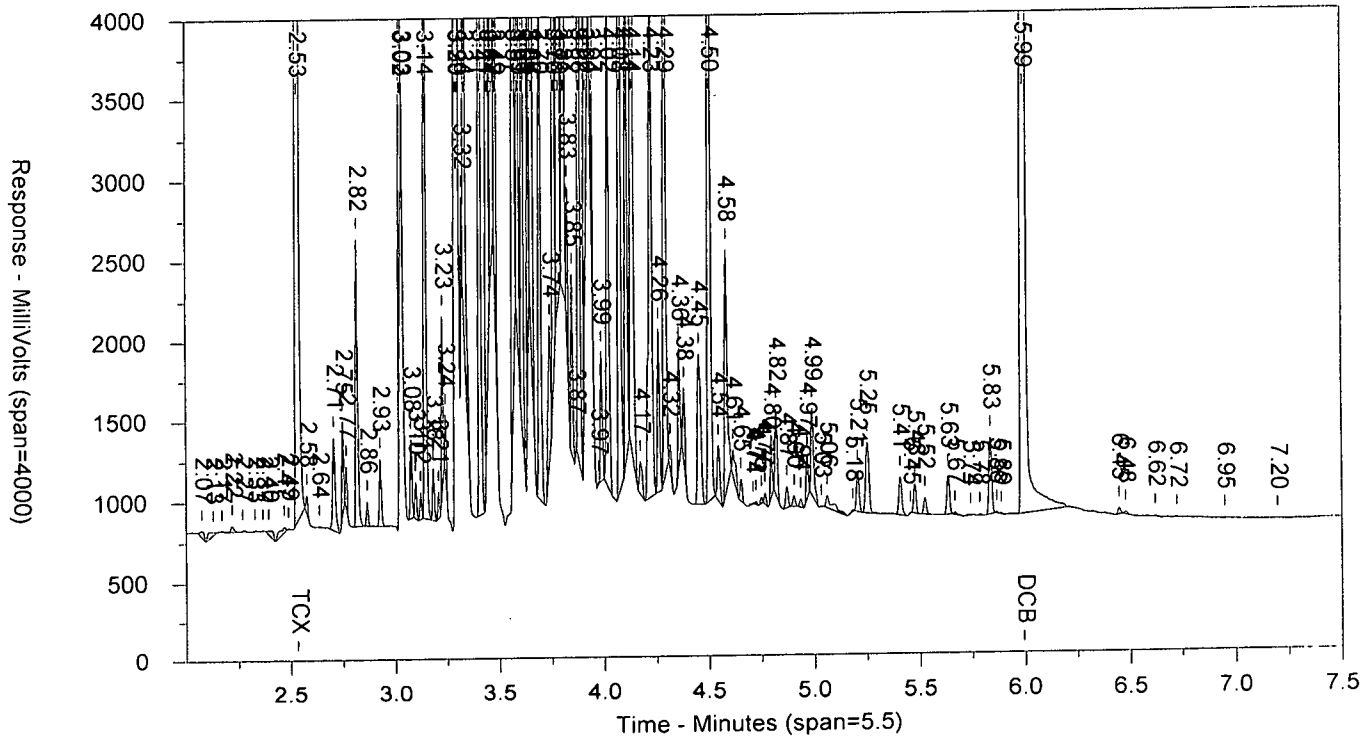


LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:13:22 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.019.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.029		3359	7130
2.062		4417	5784
2.133		951	1495
2.204		2262	1751
2.304		29797	21297
2.492		2874	6501
2.581		1205	1572
2.672		943	608
2.721		1606	3233
2.753		8768	7698
2.843		5364	9111
2.904	TCX	396687	272956
2.996		1372	1915
3.101		5682	4787
3.155		2442	3281
3.248		8522	10628
3.368		4240	2697
3.388		1693	1067
3.44		1178	973
3.483		3683	3966
3.539		4704	3177
3.561		2495	1910
3.643		6248	5073
3.697		8734	7102
3.752		5037	5703
3.821		86168	65464
3.848		23868	19963
3.921		1030	453
3.943		54788	40880
3.966		2951	1814
3.998		5461	3933
4.032		22895	19741
4.071		4739	3716
4.134		4092	3437
4.155		2733	1664
4.189		119255	85680
4.208		47112	24309
4.233		38476	31414
4.3		36922	29766
4.342		184427	198970
4.376		72456	57056
4.414		2090	1189
4.439		13493	10831
4.48		67800	58129
4.529		120888	100597
4.56		28571	19505
4.59		243408	207903
4.639		11563	7939
4.654		4417	1695
4.673		32909	23242
4.714		79846	79492
4.761		15581	13888
4.801		157400	149374
4.83		2671	1529

RT A	Compound A	Height A	Area A
4.86		15209	12784
4.912		94103	148462
4.96		2657	1825
4.998		107482	114088
5.045		13232	10290
5.069		5499	3697
5.117		167690	148851
5.156		5647	3587
5.184		5777	4443
5.226		7675	8359
5.298		1331	2555
5.323		45807	41046
5.347		11183	7560
5.382		14339	19009
5.443		5708	5621
5.522		30496	27341
5.546		3200	2424
5.582		23744	22148
5.692		1191	1297
5.788		21379	21011
5.818		2817	4713
5.907		1081	770
5.979		1922	1865
6.044		1053	1250
6.215		2797	4634
6.416		1929	1855
6.566	DCB	297787	304723
6.713		2385	4297
6.838		6396	10384
7.038		2401	3977
7.262		1470	2206
7.393		2316	4862
7.69		820	676
7.807		2222	5521
8.299		1435	2529
8.513		7164	16574

LANCASTER LABORATORIES

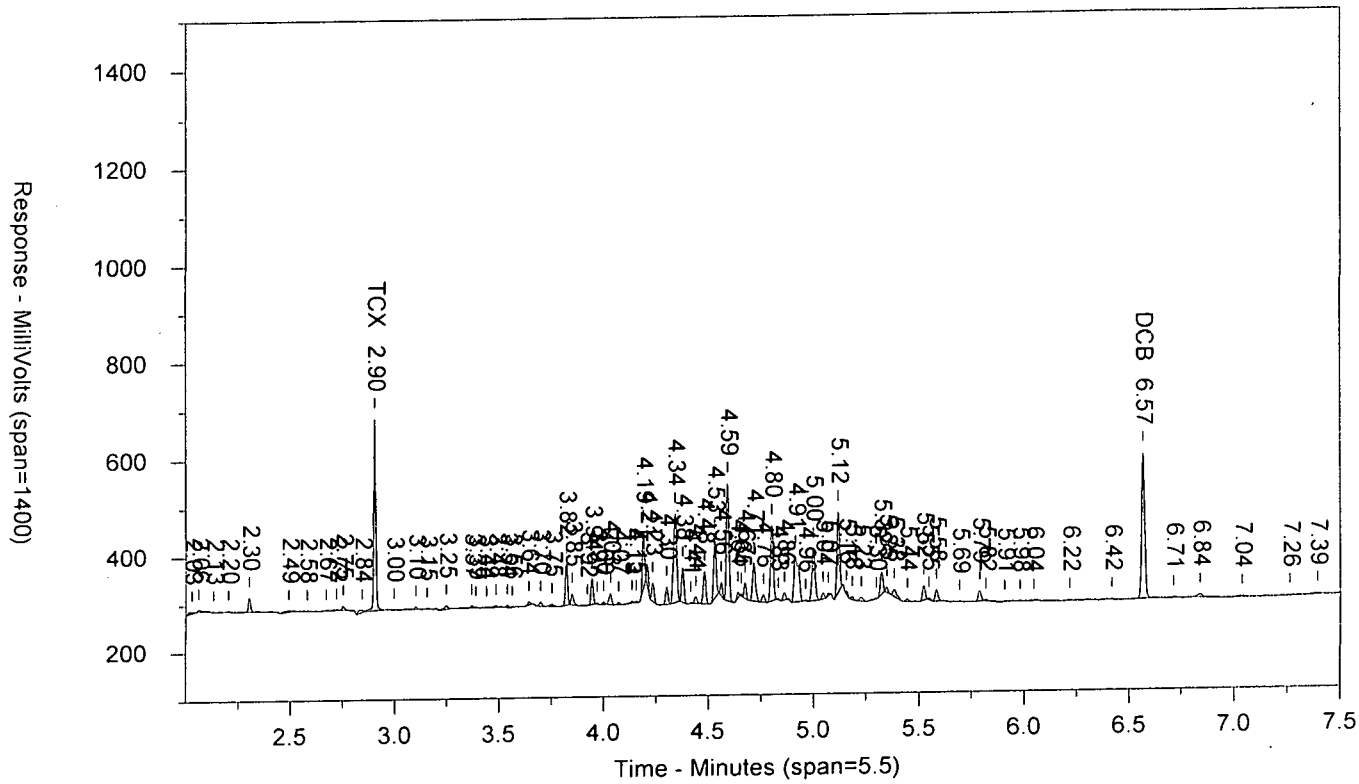
Sample Number: AR5411724C AAAR541AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:13:22 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.019.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.032		2588	4102
2.078		29393	30373
2.125		18204	47485
2.157		5126	9683
2.217		5984	5254
2.282		9254	9091
2.332		4629	4052
2.382		27940	119726
2.454		11181	33871
2.469		40573	31996
2.532	TCX	1342414	881161
2.626		2308	1966
2.698		33027	52241
2.749		32682	25458
2.789		4169	2792
2.817		11969	11466
2.865		6398	4016
2.935		15444	12357
2.995		10189	13582
3.027		30134	28510
3.052		10188	5611
3.084		2155	756
3.104		3644	2335
3.147		15009	12508
3.184		10813	7734
3.209		5393	3089
3.231		3707	1511
3.247		30716	45819
3.294		48520	61841
3.338		31235	31165
3.372		5798	4335
3.409		18222	14481
3.446		372459	231218
3.469		119368	68206
3.487		11213	5074
3.513		34560	32582
3.571		246960	213842
3.593		18909	9348
3.614		27961	18912
3.643		13950	6915
3.659		96096	56804
3.699		30963	22395
3.724		5347	2556
3.737		8460	6018
3.765		95668	53823
3.787		818235	552530
3.811		91007	51618
3.83		92483	49524
3.851		182394	119716
3.885		735614	500063
3.915		281328	159839
3.93		153326	75314
3.991		63734	52310
4.023		252721	171173

RT B	Compound B	Height B	Area B
4.046		10884	8731
4.079		590143	440912
4.111		178895	135407
4.137		990917	748379
4.175		83444	76686
4.227		515146	430325
4.263		83932	62729
4.295		549204	397274
4.318		98734	67337
4.361		405950	316091
4.383		20552	10238
4.454		341998	377169
4.506		470126	391138
4.546		136758	127171
4.584		746053	694756
4.628		63626	45037
4.653		30017	22380
4.709		9449	9804
4.768		41216	34125
4.799		36404	23482
4.822		244331	205270
4.874		27458	22349
4.906		33549	28708
4.939		17254	13035
4.968		136766	100560
4.993		98326	94235
5.045		5016	5898
5.095		30565	55277
5.188		3817	7284
5.207		7527	6990
5.249		106155	109521
5.411		9950	16754
5.455		16264	15808
5.526		7074	10274
5.64		6340	6101
5.738		17937	30524
5.838		13735	14611
5.886		3743	4499
5.922		3883	6708
5.995	DCB	1237556	1190058
6.255		12725	21082
6.324		3939	4396
6.378		5132	9299
6.482		28085	64961
6.618		3261	3765
6.725		14186	18314
6.775		2404	3301
6.95		9805	13629
7.199		9242	17848
7.301		3185	4750
7.477		3403	4848
7.674		3594	5229
7.829		12010	26722
8.005		11193	26255
8.221		2071	5817
8.342		3822	9204
8.553		3286	6138

AR5411724C AAAR541AA ICAL 1727799999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.019.RAW



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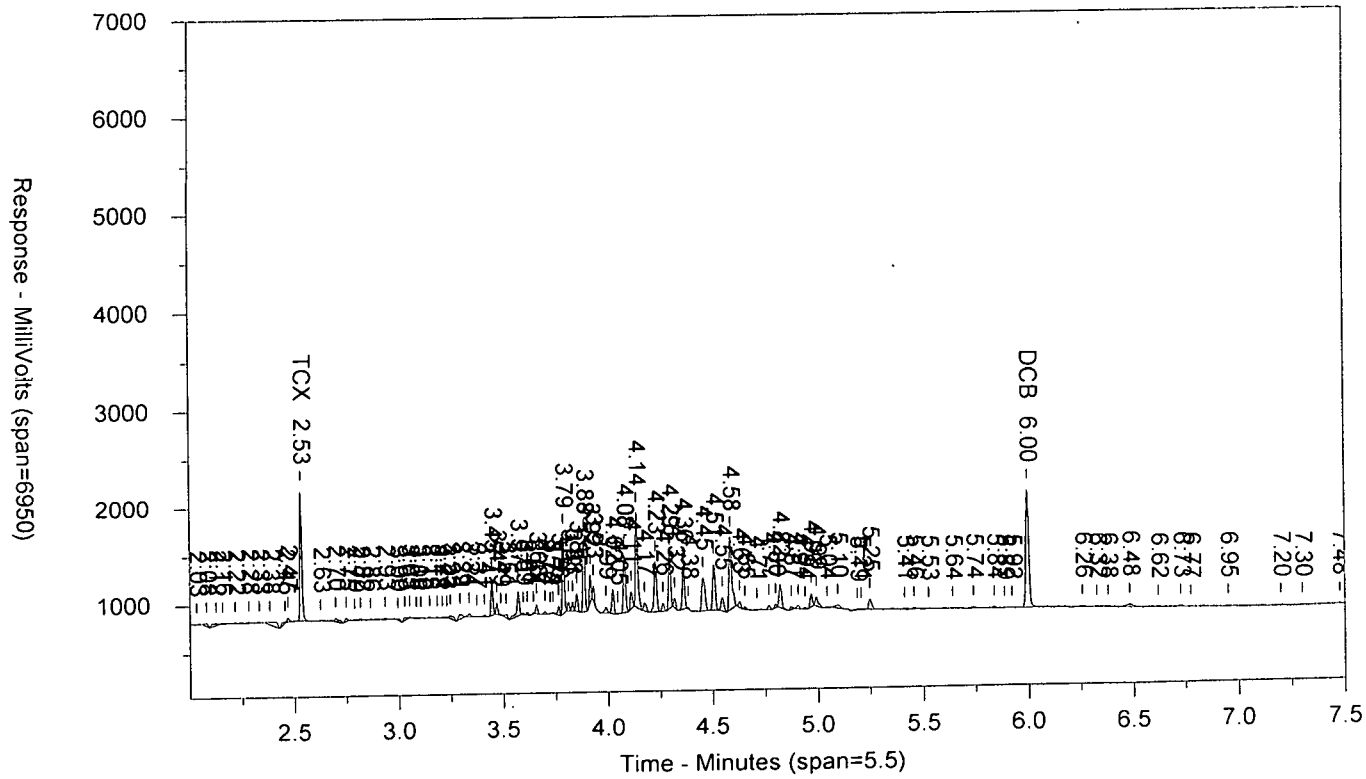

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:13:22 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	396687	2.023	TCX	2.532	1342414	2.274	TCX
6.566	297787	2.207	DCB	5.995	1237556	2.421	DCB

Files:
Area File: 20PCBS17278001.019.RAW
Area File: 20PCBS17278001B.019.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 1:22:02 AM
File Reported On: 10/6/2017 at 1:22:11 AM

AR5411724C AAAR541AA ICAL 1727799999 10736 SW-846 8082

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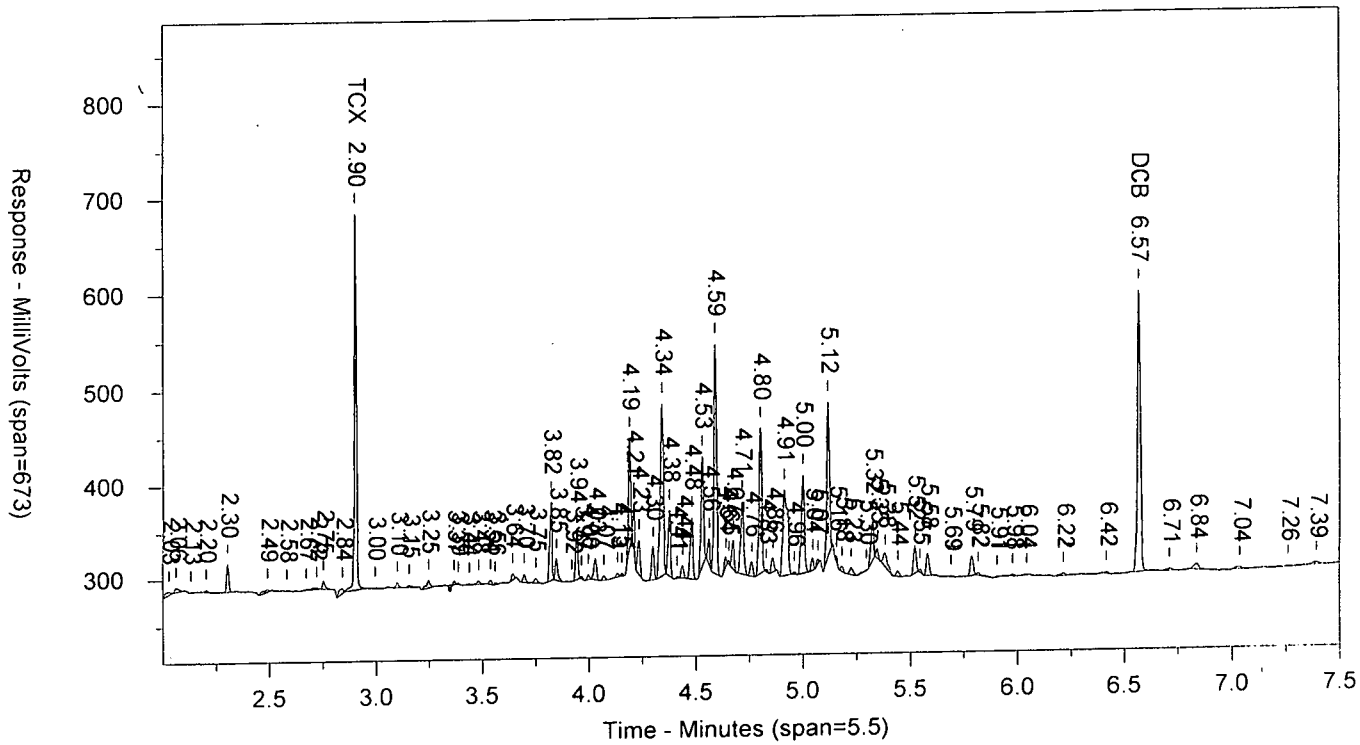

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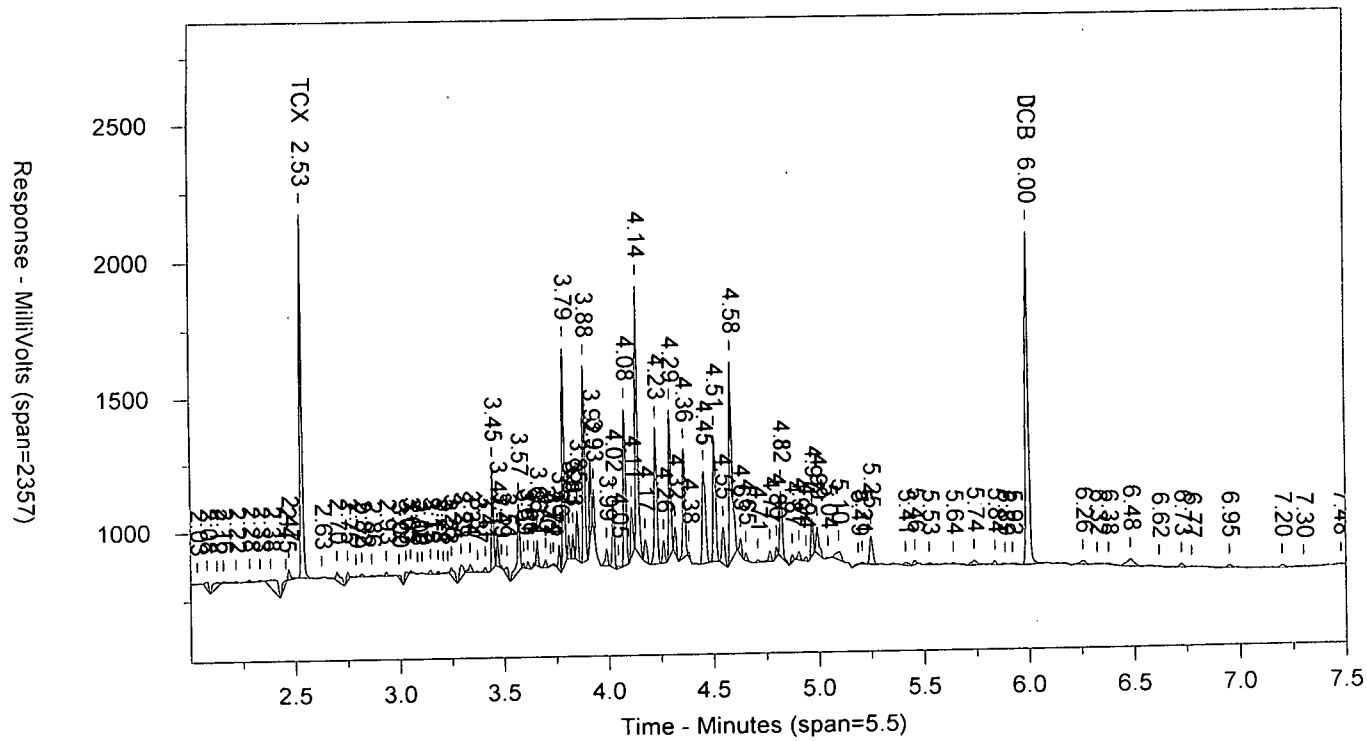

AR5411724C AAAR541AA ICAL 1727799999 10736 SW-846 8082

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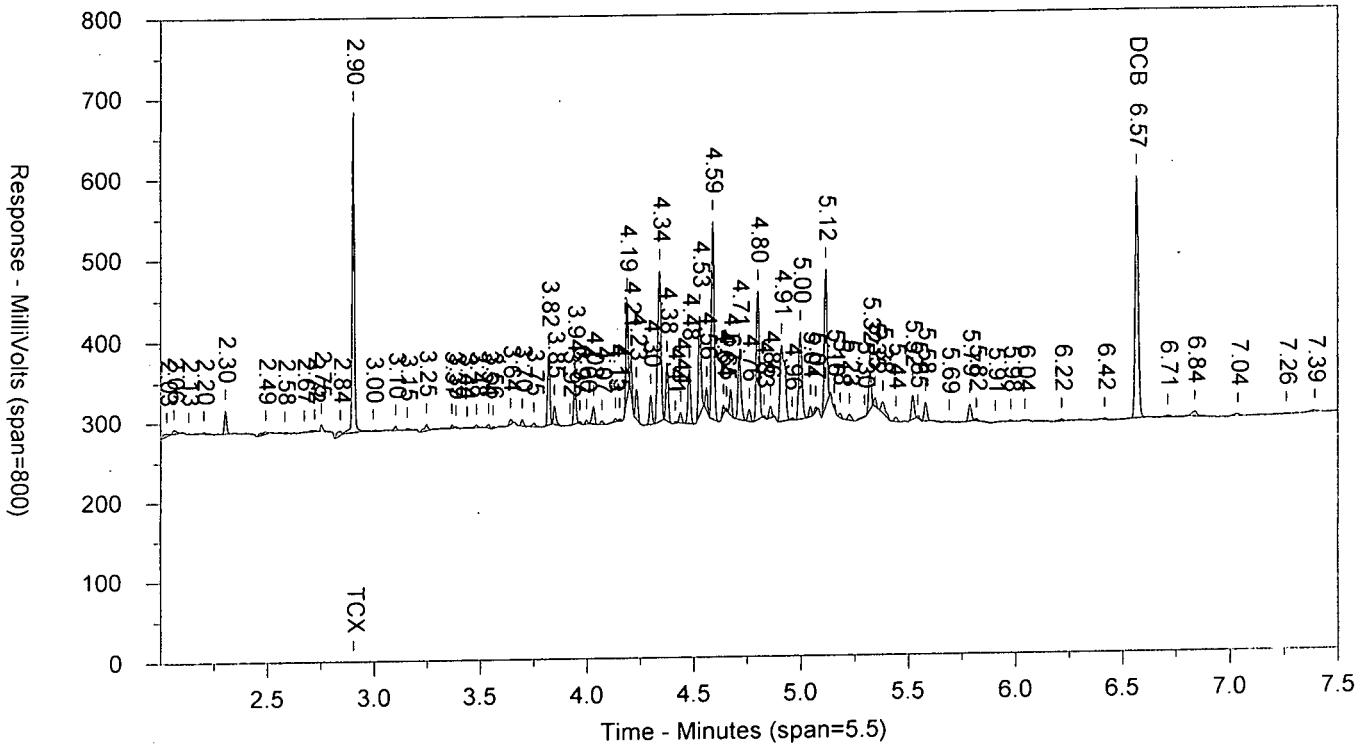

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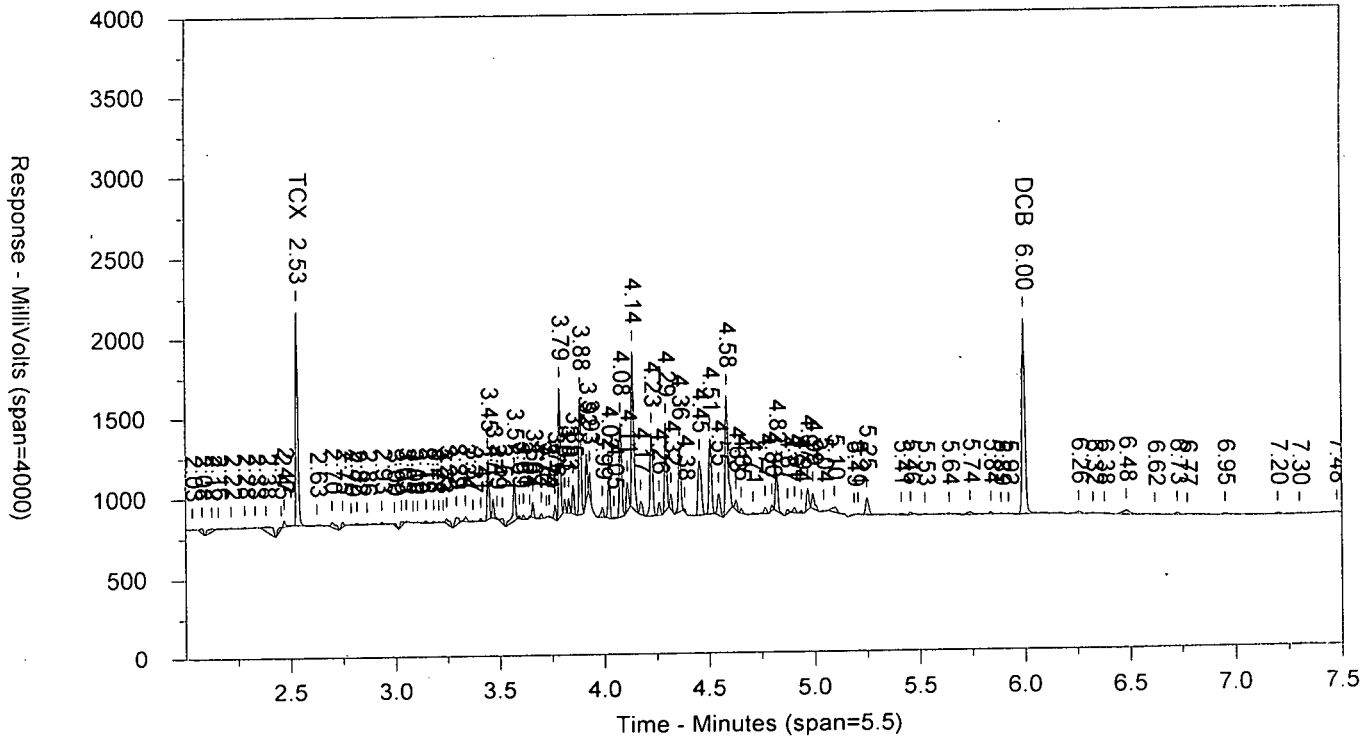

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:24:37 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.020.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.03		2606	6057
2.064		4929	11029
2.206		3195	2523
2.304		25754	18354
2.491		2234	4736
2.706		1947	3915
2.753		8250	17176
2.836		3926	5485
2.903	TCX	728863	495875
2.998		1349	1291
3.052		1080	760
3.1		9603	7374
3.153		3853	3486
3.23		1374	1092
3.249		2890	1904
3.369		6463	3977
3.438		2849	2798
3.483		6396	4688
3.537		4408	2638
3.558		4485	3011
3.592		1529	903
3.644		13424	20870
3.696		16158	12717
3.751		7038	6318
3.791		1186	820
3.82		160730	121964
3.847		44273	38678
3.942		100938	74199
3.966		5946	3358
3.997		9853	6838
4.029		42631	37419
4.07		8279	6779
4.116		1315	771
4.134		3545	1744
4.153		6218	3974
4.188		239615	165109
4.207		80164	45505
4.231		70236	54953
4.299		69756	55147
4.341		334023	363659
4.375		130102	105342
4.415		3678	2377
4.438		23961	19697
4.479		119478	106416
4.528		225451	190086
4.559		49865	33967
4.588		447031	386189
4.638		20502	15653
4.652		6319	2392
4.671		58856	42205
4.713		146710	145726
4.758		28542	25049
4.799		290796	278380
4.83		4789	3297

RT A	Compound A	Height A	Area A
4.858		29371	23790
4.877		4907	2776
4.91		179435	273573
4.961		4602	3492
4.996		213824	215259
5.043		25152	19329
5.067		21414	32187
5.115		302056	274464
5.137		13685	6539
5.181		10940	8568
5.224		12481	13803
5.321		90906	75668
5.343		19785	13933
5.381		15457	24495
5.44		10681	10650
5.481		1769	1515
5.52		57378	50945
5.546		7016	4615
5.581		46907	42834
5.786		38666	37932
5.817		5300	3886
5.978		2984	3015
6.031		3326	8379
6.212		3316	3710
6.269		732	662
6.392		1948	1444
6.416		4075	3307
6.531		689	878
6.565	DCB	540211	561220
6.713		5838	11250
6.837		6641	12715
7.035		6727	14173
7.199		854	971
7.267		1352	2026
7.308		964	1113
7.391		6913	16721
7.668		827	1647
7.804		6424	19632
8.294		3516	7702
8.509		6870	16976

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:24:37 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.020.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.037		1960	1706
2.077		18188	21038
2.128		11413	28924
2.159		4106	6428
2.218		4922	4535
2.281		7700	6010
2.332		6418	6376
2.39		21996	75235
2.45		14157	22959
2.47		34235	28269
2.532	TCX	2352571	1561627
2.62		6701	8292
2.7		20288	34589
2.75		53075	47549
2.788		3242	1959
2.818		18319	14278
2.865		8682	4969
2.935		8848	7044
2.999		9372	7749
3.026		23190	14488
3.05		4691	2422
3.075		1867	353
3.099		7585	5995
3.146		27495	19459
3.168		2030	629
3.183		23843	15709
3.209		10331	5684
3.229		6879	3360
3.247		39907	40985
3.293		53698	62588
3.323		8812	3815
3.338		49730	37302
3.371		4430	2085
3.41		29049	20981
3.446		650828	406462
3.468		217682	124890
3.486		20385	8587
3.511		17946	17008
3.57		433324	308872
3.593		34571	17501
3.614		52310	35804
3.642		30621	15057
3.658		167021	99844
3.698		50684	37363
3.722		6613	3012
3.736		24914	18816
3.764		157025	87266
3.786		1377180	964064
3.81		163305	89502
3.829		156724	88953
3.85		305775	195585
3.884		1280741	886636
3.914		488483	282486
3.93		277877	134515

RT B	Compound B	Height B	Area B
3.989		115000	88315
4.022		489504	349549
4.078		1052871	792276
4.11		314893	241384
4.136		1752787	1321710
4.173		149018	140272
4.226		929758	760855
4.262		148776	109911
4.293		1033244	772622
4.317		172522	116277
4.36		729843	557193
4.382		35587	18293
4.453		625743	676590
4.505		861029	712739
4.545		245831	213919
4.583		1306079	1261109
4.627		110598	84001
4.652		51572	36344
4.708		16362	19274
4.748		5181	2107
4.766		70775	52834
4.799		63595	44044
4.82		429758	346183
4.87		54559	42948
4.904		55977	45584
4.937		33135	24499
4.968		235097	178302
4.99		163262	159553
5.036		7127	6488
5.057		2803	1114
5.098		30758	53349
5.14		15852	13011
5.203		14167	27063
5.248		195197	200980
5.351		7876	12260
5.409		3444	3049
5.424		6352	4414
5.453		34567	40844
5.524		11765	13387
5.598		4569	4126
5.636		13839	14366
5.719		5427	4853
5.738		23681	22409
5.836		27364	31771
5.876		6481	7633
5.921		5934	7757
5.994	DCB	2195893	2080378
6.132		3932	4742
6.172		5393	5831
6.254		29069	45875
6.379		4475	5523
6.484		38022	89816
6.619		3277	4295
6.724		29161	40461
6.901		2214	2220
6.948		24112	33153
7.198		19484	31665
7.474		14323	29156
7.748		2871	4964
7.821		16459	45032
8.006		11814	18306
8.12		1851	1129
8.199		3309	7004
8.337		3309	3840
8.439		2835	1709
8.585		2039	2065

RT B	Compound B	Height B	Area B
8.672		7506	19440

AR5421724C AAAR542AA ICAL 1727799999 10736 SW-846 8082

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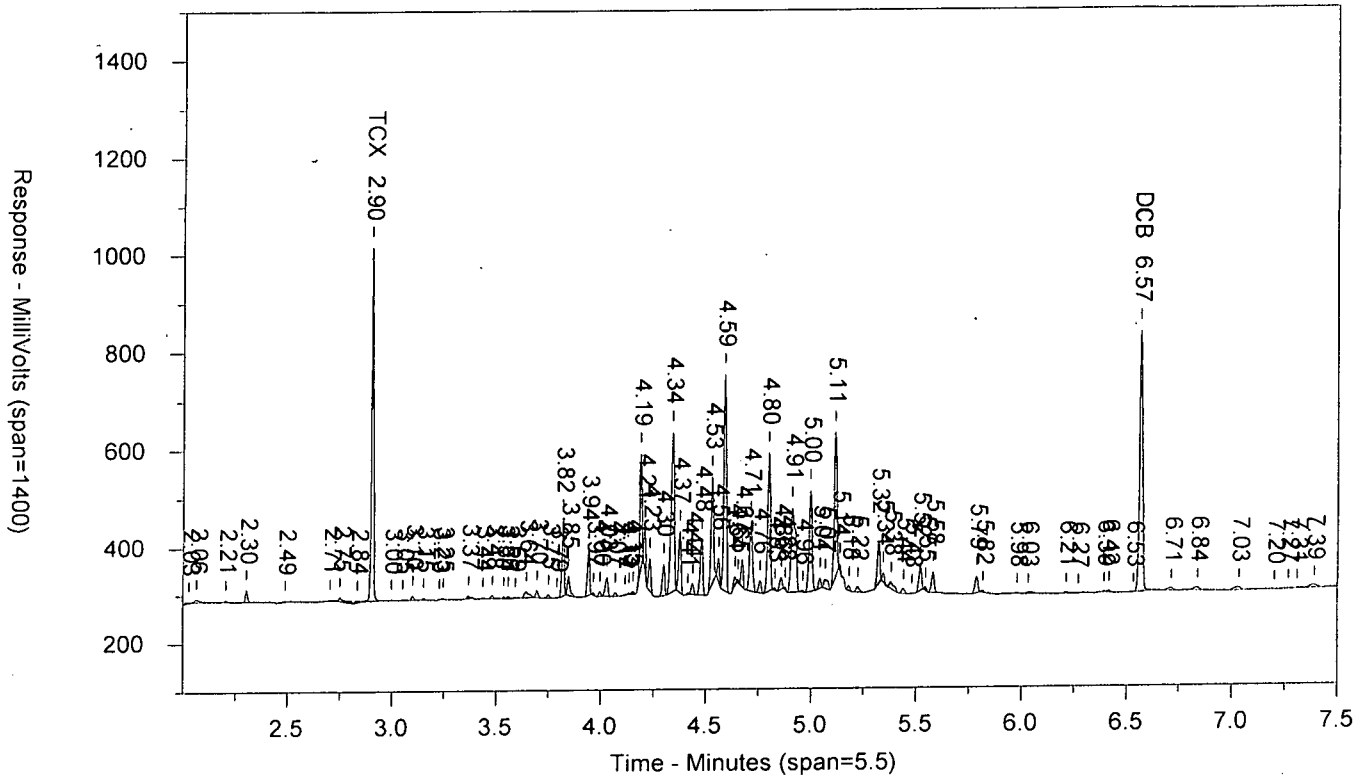

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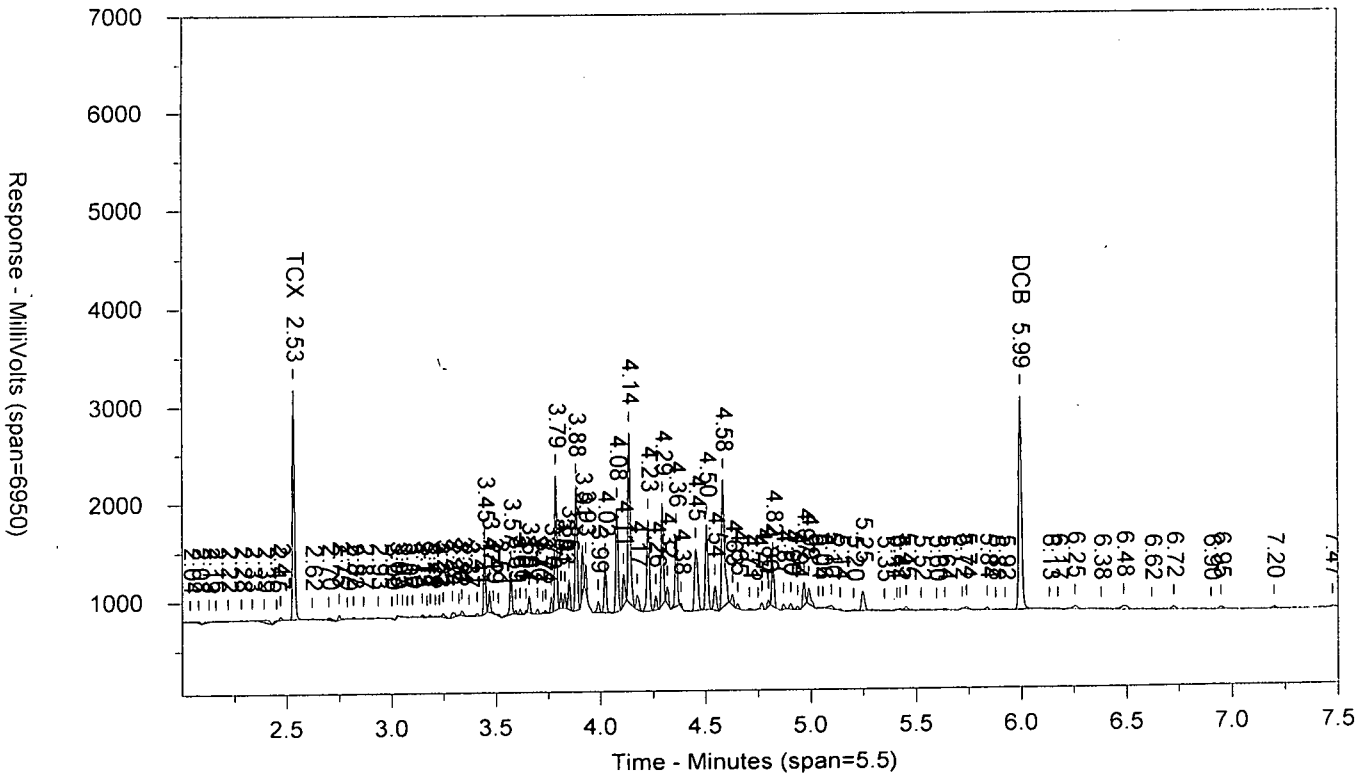

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:24:37 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	728863	3.718	TCX	2.532	2352571	3.985	TCX
6.565	540211	4.004	DCB	5.994	2195893	4.296	DCB

Files:
Area File: 20PCBS17278001.020.RAW
Area File: 20PCBS17278001B.020.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 1:33:21 AM
File Reported On: 10/6/2017 at 1:33:27 AM

AR5421724C AAAR542AA ICAL 1727799999 10736 SW-846 8082

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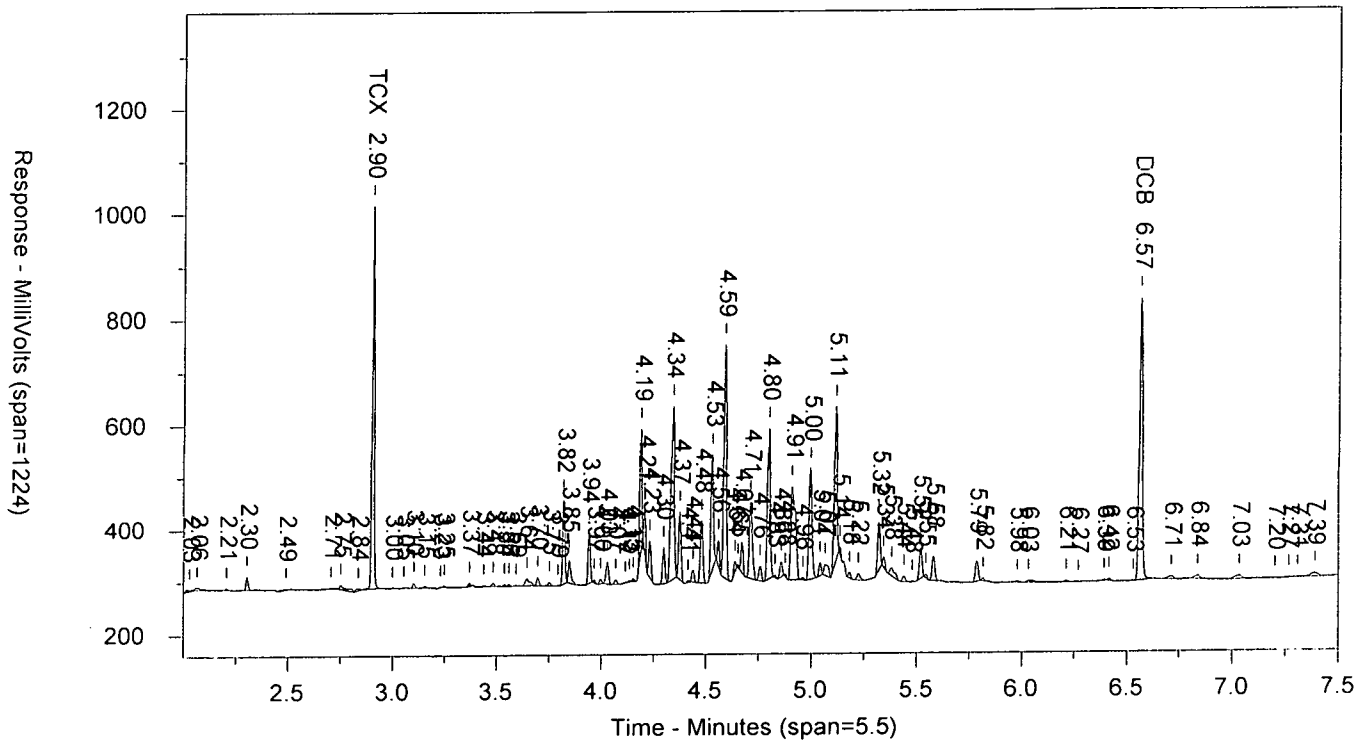

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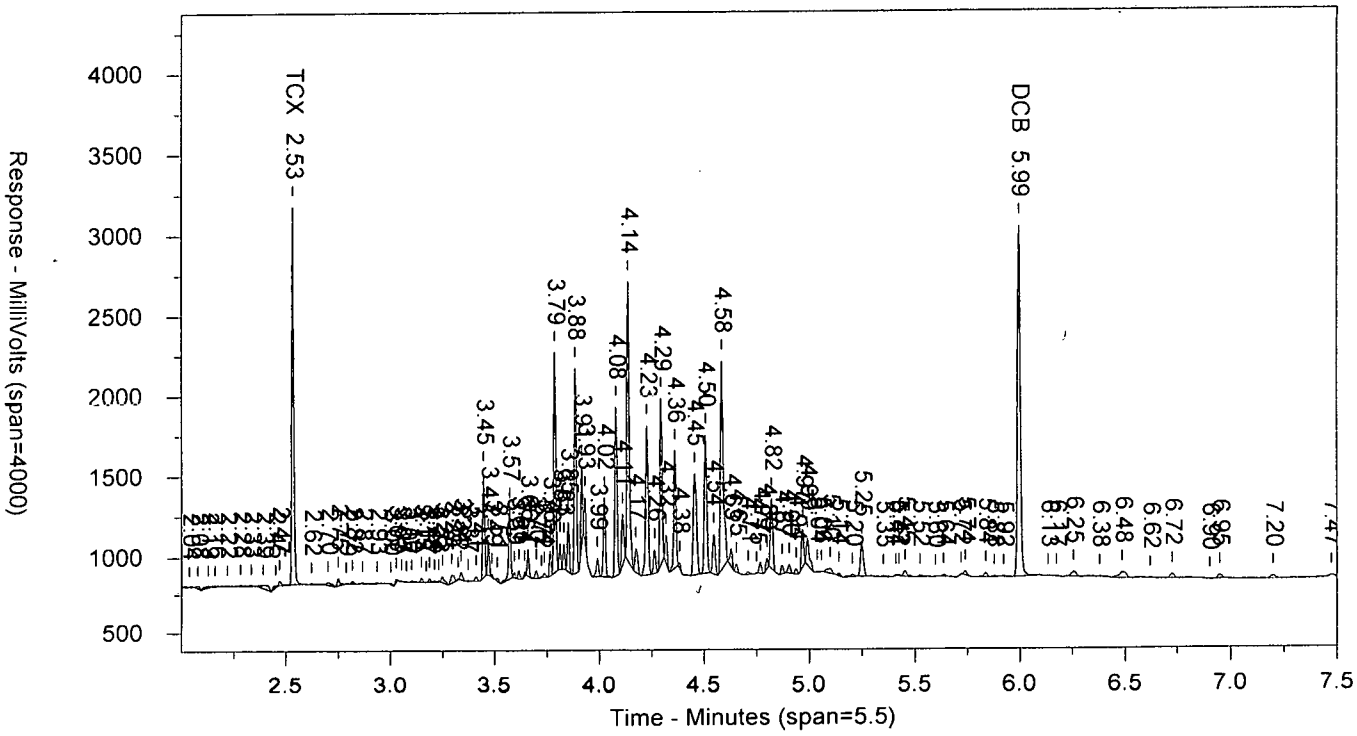

AR5421724C AAAR542AA ICAL 1727799999 10736 SW-846 8082

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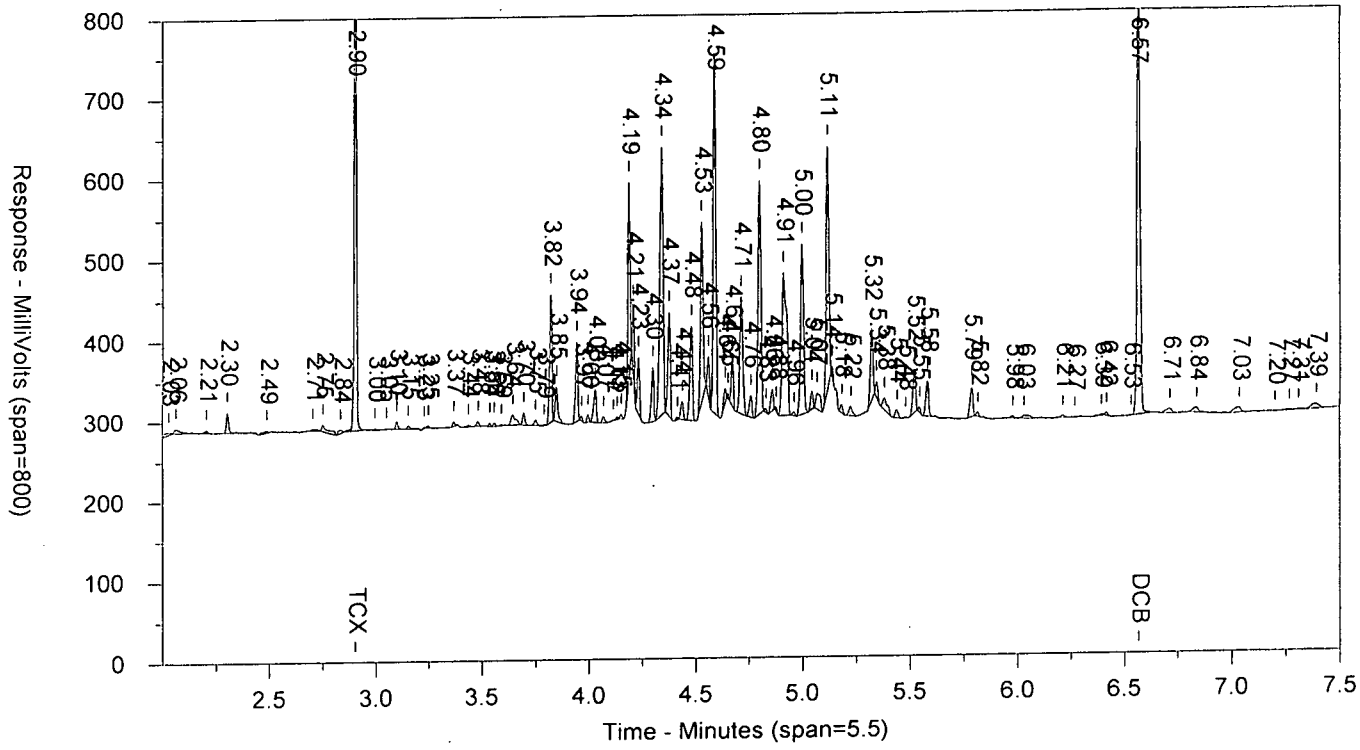

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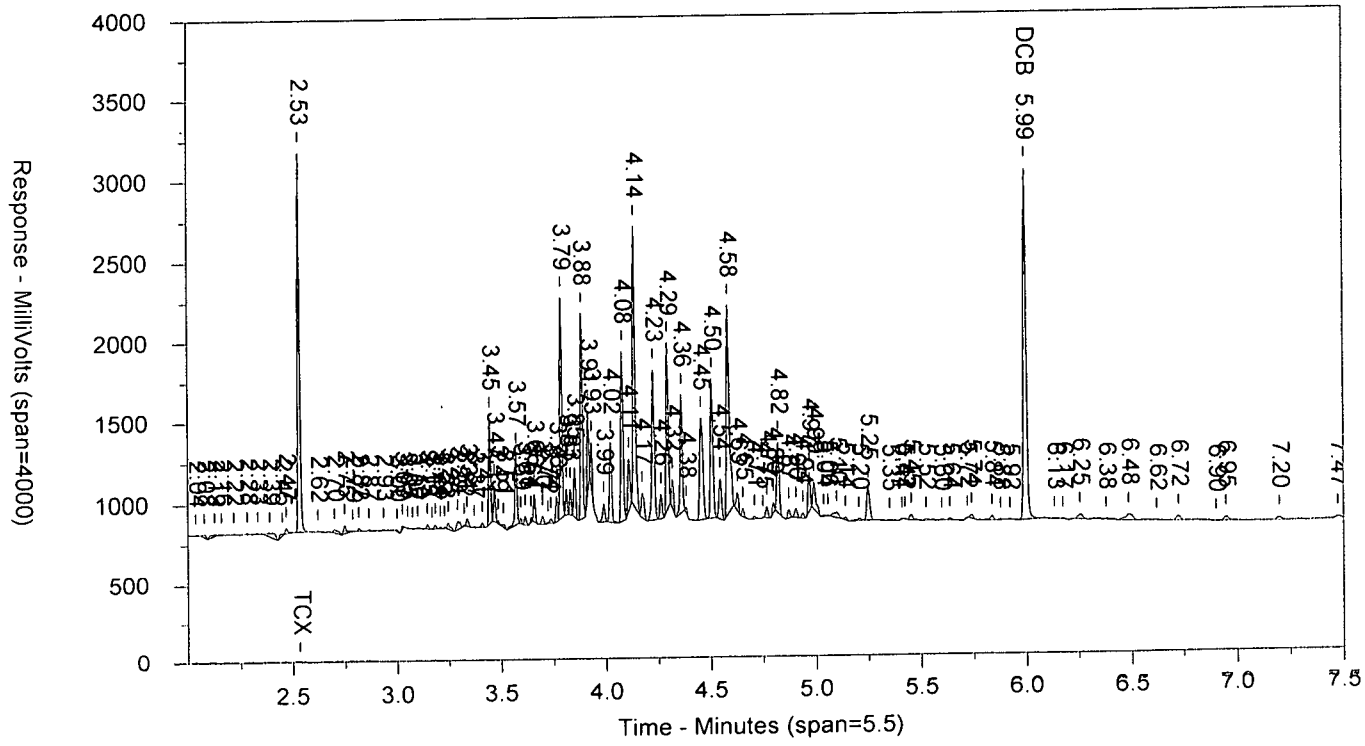


LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:36:02 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.021.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.026		3431	6239
2.064		5474	13248
2.206		7375	6163
2.304		24656	18706
2.399		2140	6614
2.491		3565	7159
2.583		1591	1457
2.673		1852	1770
2.703		976	642
2.754		9728	8927
2.842		3670	4964
2.871		1330	1419
2.903	TCX	1562031	1021088
3.051		2558	2500
3.099		20325	15134
3.154		6272	5710
3.231		3432	2445
3.247		2796	2164
3.288		733	677
3.369		10245	6253
3.387		3709	2199
3.438		2445	1715
3.482		10046	7578
3.538		6145	4482
3.56		5928	3773
3.592		2263	1267
3.648		9669	5539
3.697		22571	16534
3.752		11882	11007
3.793		1436	799
3.821		326729	233194
3.847		81824	70147
3.943		199555	144595
3.967		12276	6988
3.998		17614	12560
4.031		82390	68514
4.071		15426	12813
4.117		1383	1203
4.135		2358	1281
4.154		14271	9804
4.189		433008	308318
4.207		148042	81562
4.232		133092	106415
4.3		131550	106757
4.342		656961	712594
4.376		262021	208478
4.416		8680	5490
4.438		43737	34465
4.479		243514	210365
4.529		455401	377980
4.56		102621	68666
4.589		870288	774564
4.639		41245	28550
4.654		14079	6020

RT A	Compound A	Height A	Area A
4.673		114431	83821
4.714		298340	289578
4.759		59932	50482
4.8		617429	562917
4.83		9283	5674
4.86		57036	47487
4.879		9452	4741
4.912		352866	537639
4.961		8402	6707
4.998		412460	440915
5.045		50174	38821
5.069		43239	62964
5.116		620059	559346
5.139		36585	17354
5.156		18780	10918
5.182		20742	16296
5.225		23639	27667
5.323		182673	152201
5.345		39567	25390
5.38		6679	5481
5.401		14284	10968
5.442		21611	20009
5.48		3374	3184
5.522		116518	105146
5.547		13444	9355
5.583		91891	83267
5.788		77206	74471
5.818		10935	10282
5.905		1014	622
5.98		6411	7952
6.037		5606	11376
6.215		5566	7201
6.418		10424	10806
6.566	DCB	1060480	1125711
6.838		7989	19729
7.018		1448	5076
7.499		1321	3110
7.61		542	611
7.802		627	851
7.986		820	345
8.29		866	1011
8.508		7779	55261

LANCASTER LABORATORIES

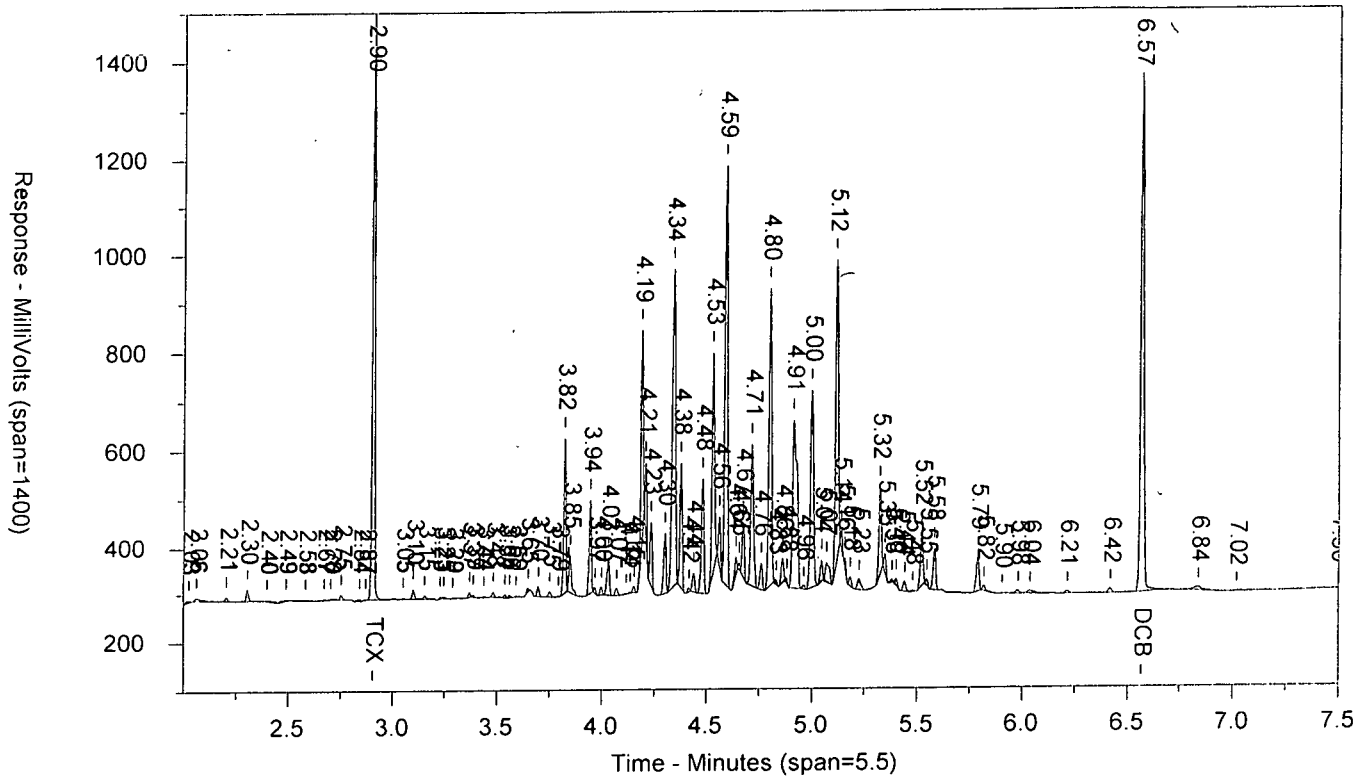
Sample Number: AR5431724C AAAR543AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:36:02 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.021.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.034		2486	2782
2.078		31696	33174
2.128		13809	45565
2.171		6828	7564
2.281		10131	11444
2.329		5369	5526
2.366		5117	4278
2.399		17097	35662
2.455		10129	24044
2.469		42282	33281
2.532	TCX	4714170	3058737
2.638		4554	3894
2.671		2728	1729
2.705		25333	46949
2.75		104123	91036
2.817		31752	25624
2.864		17281	11925
2.898		4771	5208
2.934		7020	5264
2.978		13782	40293
3.026		42143	24449
3.05		2312	375
3.077		2390	679
3.099		11128	8779
3.145		45538	32712
3.184		25170	15947
3.209		18421	9885
3.229		8781	4057
3.246		29531	42255
3.294		97375	110870
3.323		18852	8441
3.337		65858	46152
3.371		7430	5253
3.41		52807	35583
3.446		1185279	748347
3.468		378396	217471
3.486		39368	16685
3.571		792723	538219
3.593		63559	32423
3.614		88599	59734
3.643		35352	16213
3.659		314871	196159
3.698		87540	59771
3.737		58816	45966
3.765		270634	156559
3.787		2629601	1761507
3.811		305171	167614
3.83		291068	166344
3.85		557407	348409
3.885		2349538	1658089
3.915		905702	531565
3.93		500477	250370
3.99		218731	163776
4.023		880396	622340

RT B	Compound B	Height B	Area B
4.045		14370	6535
4.079		1951823	1501019
4.11		611716	453003
4.137		3386997	2523859
4.175		277946	266413
4.227		1724657	1427960
4.263		285646	209518
4.294		1900079	1433845
4.318		329347	218611
4.36		1375150	1049433
4.383		67600	35990
4.454		1163936	1293754
4.506		1691821	1390902
4.546		455240	398798
4.584		2472754	2385300
4.629		215095	141864
4.653		103888	71498
4.708		34905	37652
4.749		8223	3750
4.767		143697	107538
4.799		124782	80855
4.821		801899	658293
4.871		110906	87072
4.906		103229	85482
4.938		61335	47768
4.969		454686	346512
4.991		312757	299062
5.034		9151	6048
5.06		5902	3352
5.096		27542	39772
5.187		2579	6405
5.208		16792	15037
5.249		366398	391507
5.408		26121	30559
5.457		22436	17888
5.477		14418	9986
5.525		16474	17241
5.636		20169	17725
5.735		4523	6833
5.779		2566	2164
5.836		48415	43210
5.995	DCB	4064794	3911232
6.216		4377	3832
6.317		3852	4865
6.479		24450	56444
6.674		3034	5004
6.727		3483	3284
7.196		3132	4216
7.575		2305	5070
7.7		2381	3731
7.746		2696	4963
7.826		12287	27658
7.896		1600	811
7.917		2442	1334
8.011		11811	24874
8.204		5539	16260
8.354		3386	7895
8.671		7688	16296

AR5431724C AAAR543AA ICAL 1727799999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS17278001.021.RAW



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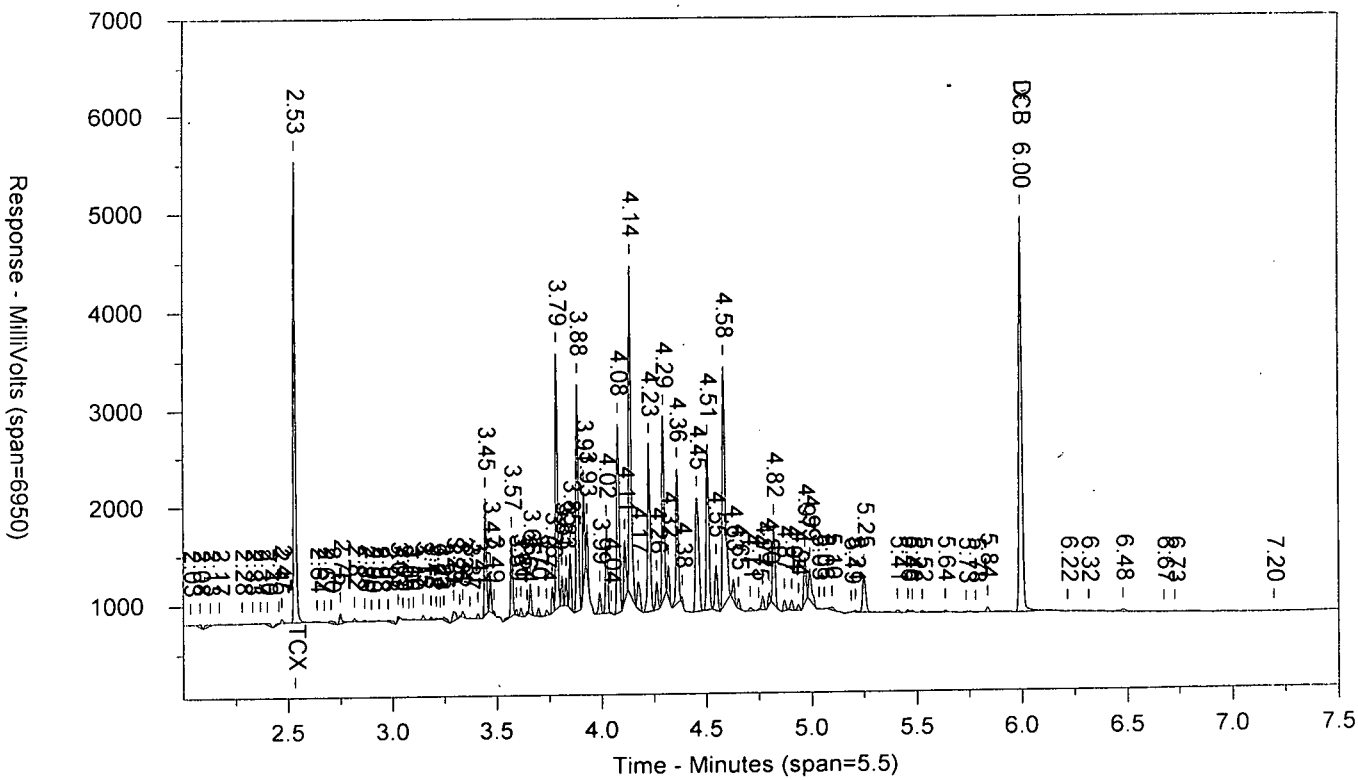

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:36:02 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	1562031	7.967	TCX	2.532	4714170	7.985	TCX
6.566	1060480	7.861	DCB	5.995	4064794	7.953	DCB

Files:
Area File: 20PCBS17278001.021.RAW
Area File: 20PCBS17278001B.021.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 1:44:47 AM
File Reported On: 10/6/2017 at 1:44:56 AM

AR5431724C AAAR543AA ICAL 1727799999 10736 SW-846 8082

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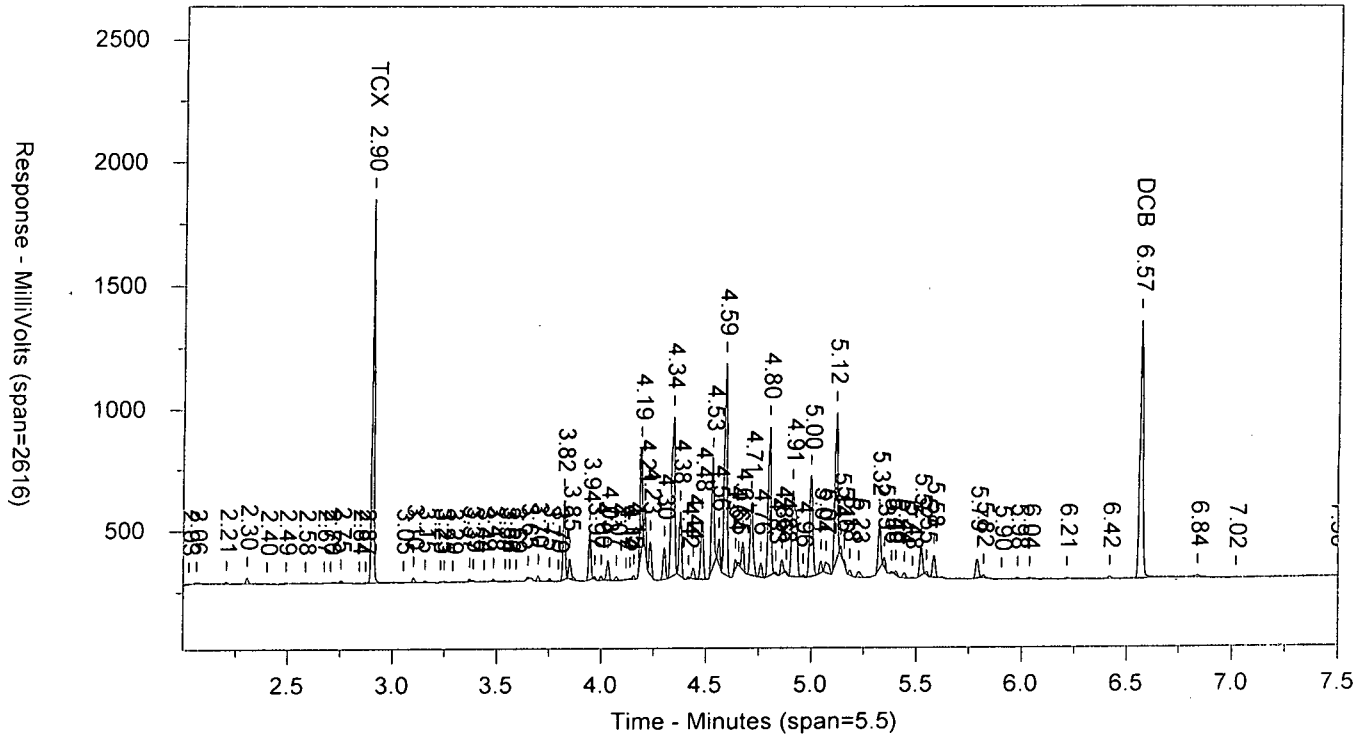

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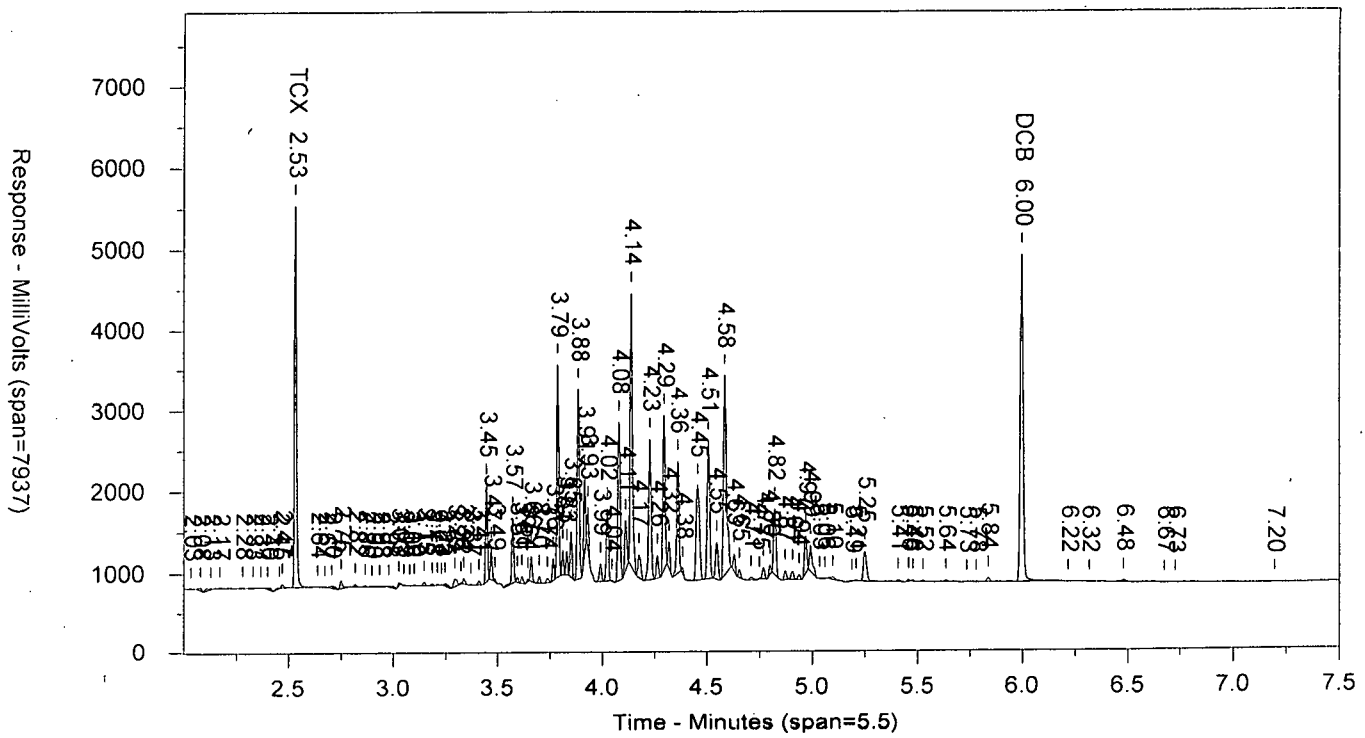

AR5431724C AAAR543AA ICAL 1727799999 10736 SW-846 8082

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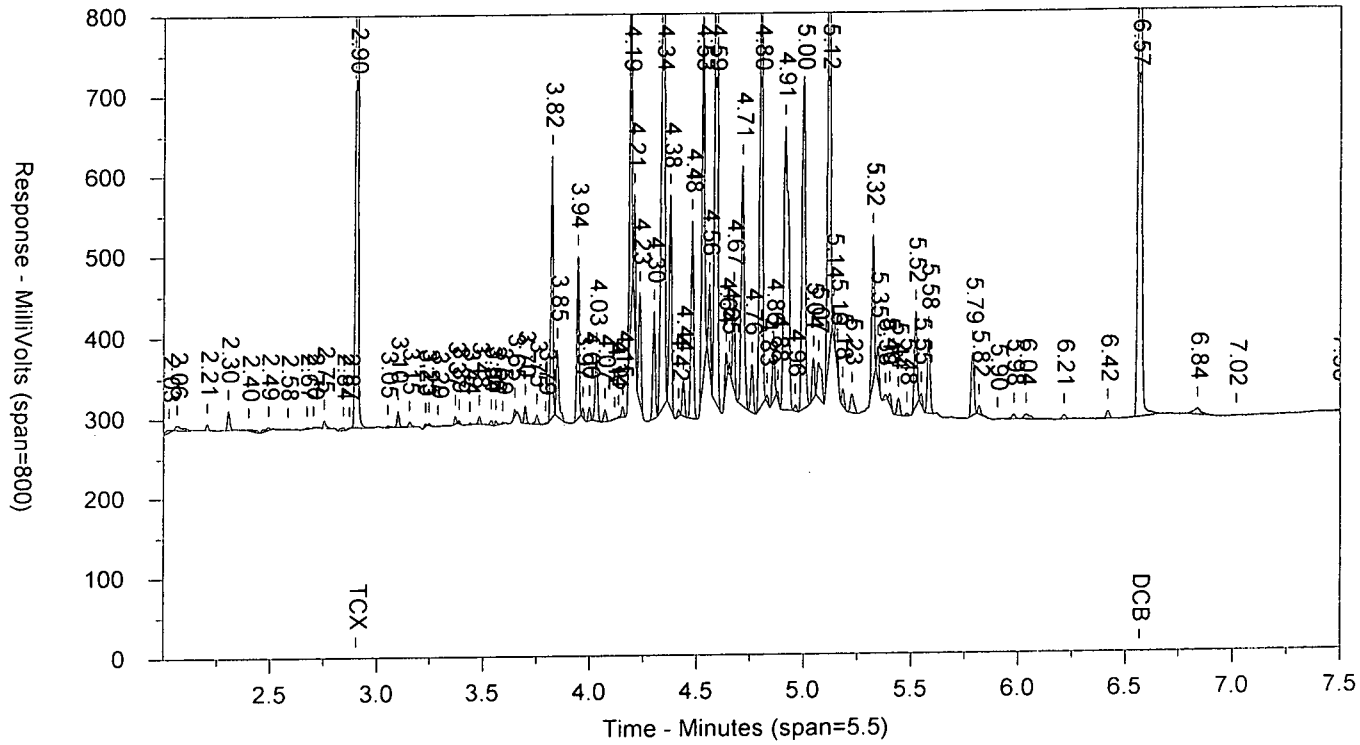

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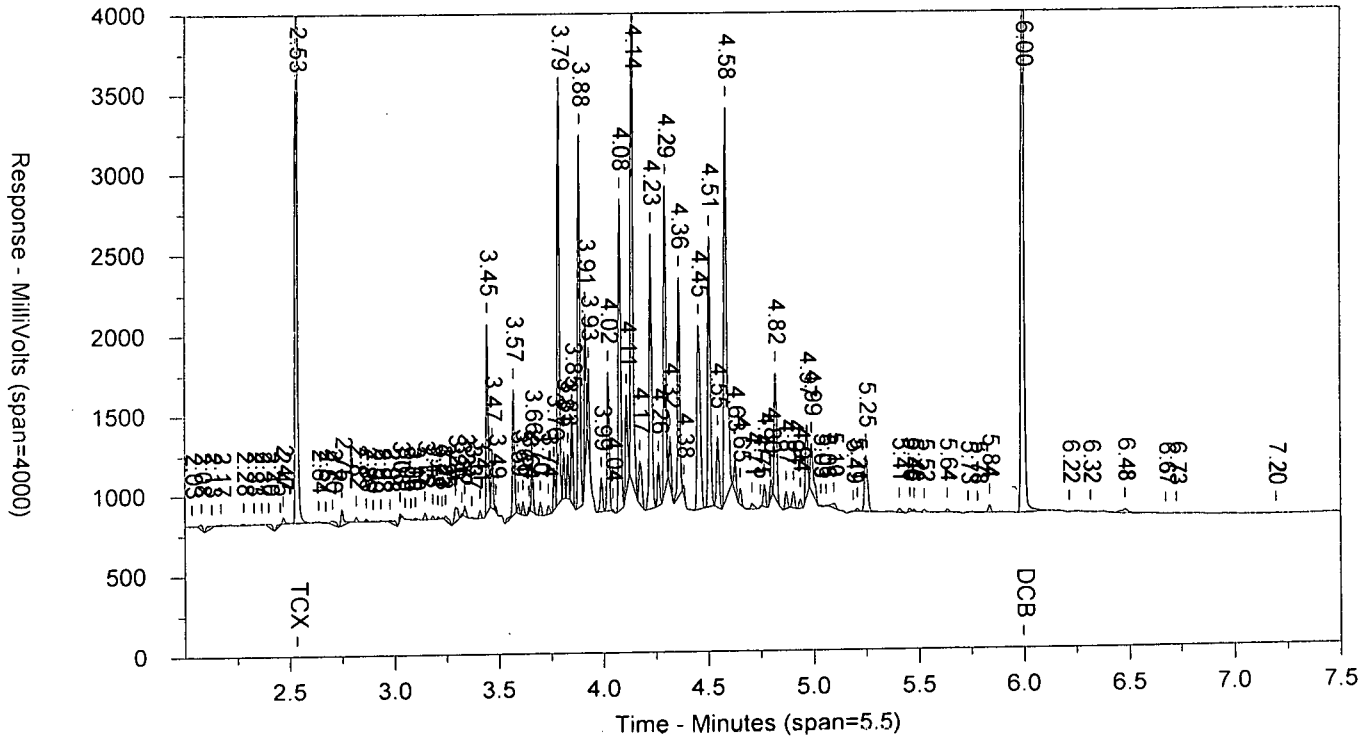

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:47:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.022.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.025		4091	7203
2.063		4713	10476
2.205		17681	13931
2.304		14753	13990
2.4		2250	7719
2.465		2825	2337
2.493		2584	2227
2.584		1918	2429
2.674		1769	2015
2.708		1232	1023
2.753		8299	37062
2.84		8454	14695
2.904	TCX	3946284	2553182
3.004		1981	2168
3.052		4983	4612
3.1		48336	33692
3.155		15985	19288
3.23		7872	5057
3.248		3826	2474
3.369		24126	14535
3.385		8836	4891
3.438		6319	5920
3.483		24922	18422
3.538		12605	8365
3.558		11811	7683
3.592		5520	2927
3.649		21608	11403
3.66		11214	9003
3.697		50899	38168
3.752		27606	20708
3.794		3228	1972
3.821		735192	543271
3.847		194688	167103
3.943		464835	336870
3.967		27867	16098
3.997		44257	30995
4.031		196398	162326
4.07		37380	29820
4.116		4337	5137
4.154		35872	25504
4.189		1073931	724533
4.207		358613	198063
4.231		311729	248486
4.3		312211	252224
4.341		1601883	1691109
4.376		603733	484845
4.416		19636	13152
4.438		100403	77287
4.479		556561	488107
-4.529		1071175	892562
4.56		257287	170572
-4.589		2211752	1877381
4.638		103079	71971
4.653		33723	13094

RT A	Compound A	Height A	Area A
4.672		271199	199854
4.713		689185	675571
4.759		136646	118778
4.8		1500631	1367223
4.83		22203	14748
4.859		142723	110975
4.878		23805	13486
4.91		817260	1253376
4.961		18301	14174
4.997		1074735	1088223
5.044		117986	93939
5.068		104859	151419
5.115		1603629	1361169
5.138		77829	39915
5.154		41069	27087
5.182		46336	36716
5.224		58478	66221
5.322		438989	372188
5.345		104972	69705
5.379		7759	5351
5.401		46085	37510
5.44		50111	46733
5.48		7576	6930
5.521		277641	255883
5.547		34096	23312
5.582		212549	198657
5.618		6483	5630
5.787		187018	177730
5.817		27761	26883
5.977		14997	16427
6.037		14094	27376
6.214		12153	13611
6.417		24199	25057
6.565	DCB	2557295	2603551
6.837		5505	8934
7.01		2281	3713
7.332		681	2368
8.152		932	612
8.297		756	735
8.362		2463	4792
8.51		7767	17831

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:47:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.022.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.047		2357	4237
2.075		33334	44730
2.126		14171	45678
2.154		2852	1014
2.172		6026	5103
2.222		6072	7991
2.282		7989	9804
2.329		5171	3897
2.364		5436	4024
2.457		13778	54796
2.469		22678	14228
2.532	TCX	11155760	7062510
2.635		7612	15422
2.705		41624	70063
2.75		215095	165851
2.791		3435	1644
2.818		67116	48998
2.866		41223	24687
2.894		4725	4559
2.933		14409	12730
2.981		6091	4575
3.026		140014	162656
3.075		4550	1974
3.098		26865	18374
3.119		4139	1895
3.146		100198	72020
3.165		1930	509
3.184		58620	36495
3.209		48809	27259
3.229		22275	10860
3.245		30160	49297
3.294		192772	215747
3.323		45349	19916
3.337		145139	105471
3.41		119543	77254
3.446		2550708	1613478
3.469		830192	473253
3.487		95001	41507
3.571		1694274	1103899
3.593		142022	73043
3.614		194150	133088
3.643		81546	37662
3.659		708766	438155
3.698		200697	139543
3.737		133426	107436
3.765		595922	334661
3.786		5710758	3871017
3.811		685686	375702
3.83		674399	369880
3.851		1180747	751286
3.884		5334135	3670183
3.915		1965166	1157493
3.93		1042459	516046
3.99		478990	346645

RT B	Compound B	Height B	Area B
4.023		1865755	1398837
4.079		4536674	3358403
4.11		1380823	1014379
4.137		7570083	5746267
4.175		630805	588381
4.226		3842753	3175786
4.263		617902	465373
4.294		4357323	3143005
4.318		718085	489455
4.36		3019162	2318184
4.383		142740	76404
4.454		2636699	2875556
4.506		3906269	3202470
4.546		1009153	873233
4.584		5371882	5288768
4.628		495850	353403
4.653		212580	149156
4.709		80653	90884
4.75		16589	9649
4.768		318872	239194
4.799		281052	184243
4.821		1832530	1461082
4.871		257486	201598
4.906		223880	186645
4.937		139623	110139
4.968		1045563	798417
4.991		705335	670076
5.033		20766	14604
5.063		14894	12289
5.089		16126	30397
5.182		7184	10547
5.206		38248	33359
5.248		838179	886676
5.35		4391	3146
5.37		3069	1982
5.407		63220	64409
5.455		53073	39144
5.477		36981	24725
5.525		37992	37468
5.636		51560	42630
5.667		6735	13365
5.734		8872	19974
5.836		110696	98393
5.994	DCB	9077371	8562735
6.217		3039	2468
6.449		9791	8233
6.479		15924	16975
7.084		2209	1236
7.364		1915	1210
7.66		2281	1209
7.748		2447	5415
7.822		10495	18577
8.008		10262	18735
8.192		3241	3825
8.34		3778	6950

AR5441724C AAAR544AA ICAL 1727799999 10736 SW-846 8082

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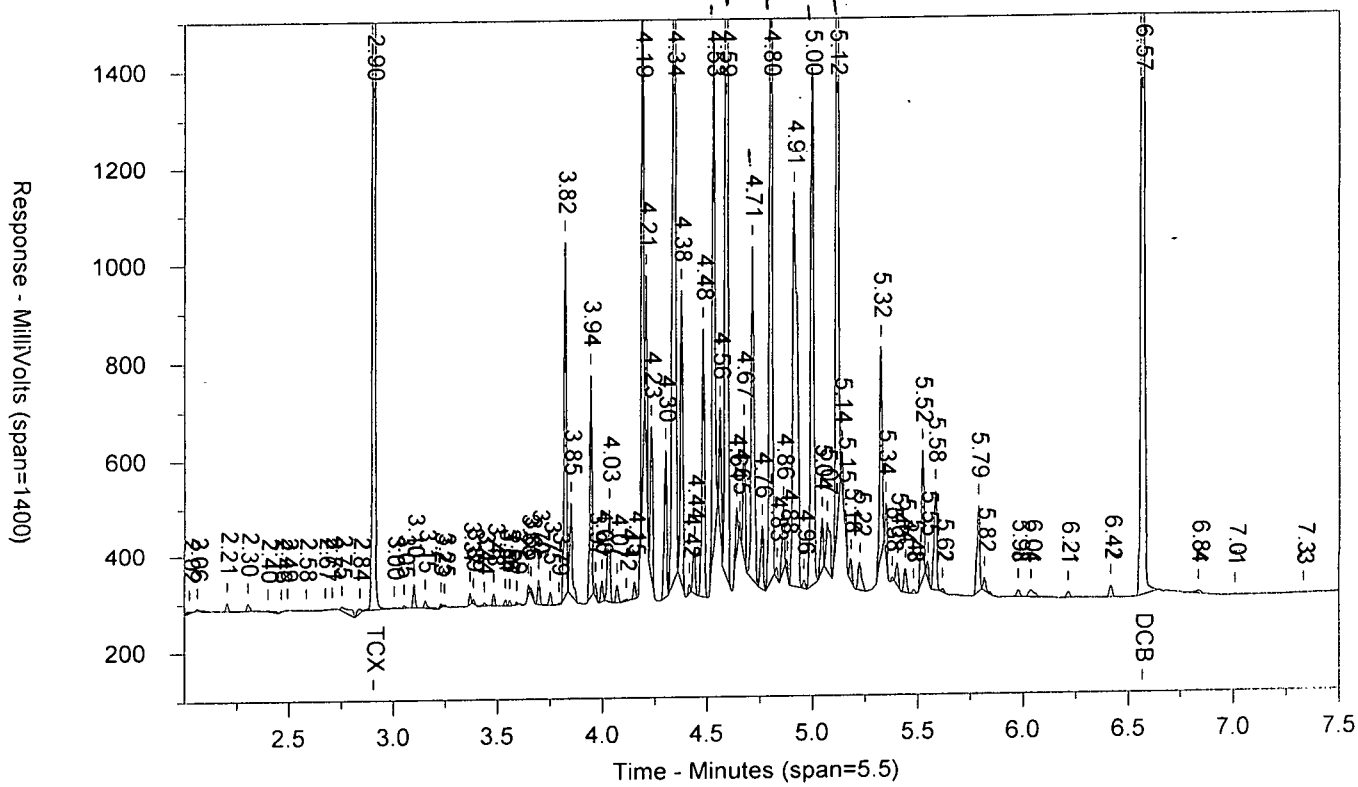

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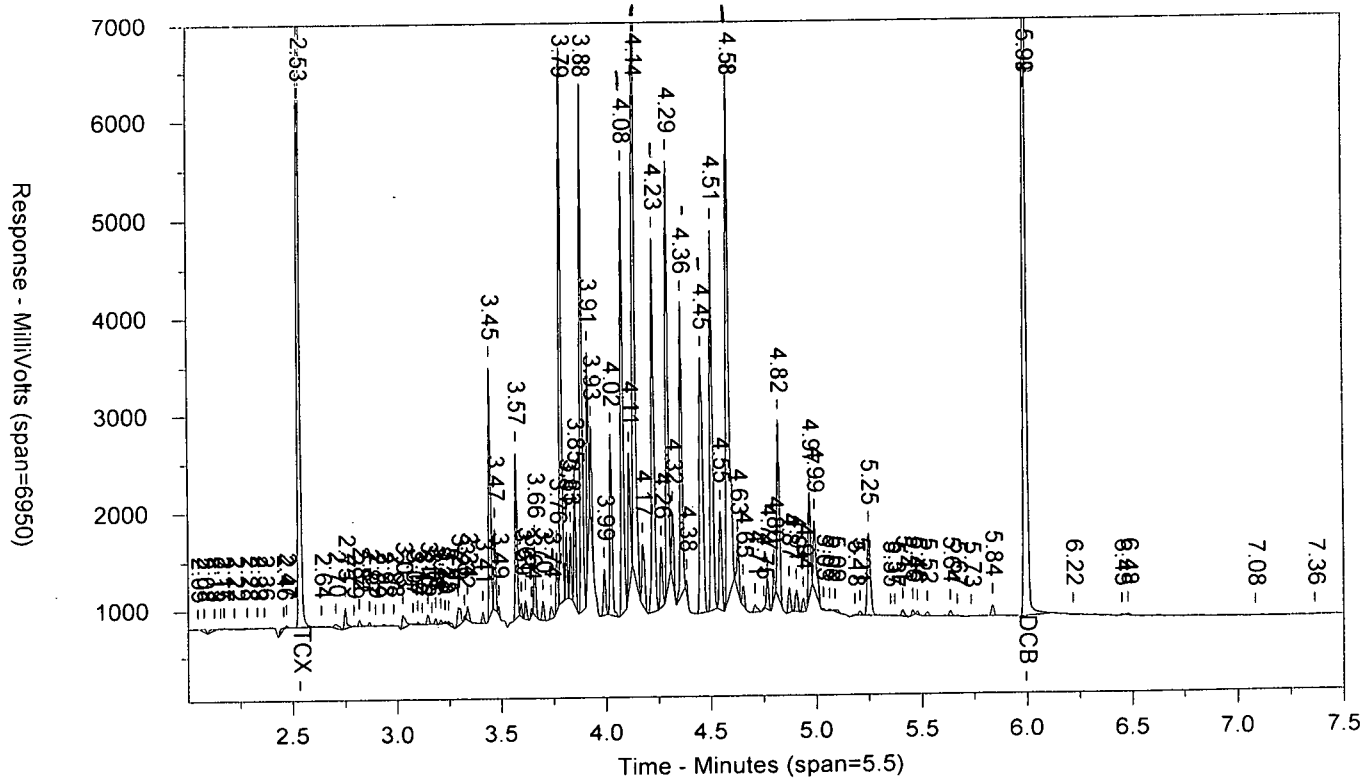

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:47:24 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	3946284	20.128	TCX	2.532	11155760	18.897	TCX
6.565	2557295	18.956	DCB	5.994	9077371	17.76	DCB

Files:
Area File: 20PCBS17278001.022.RAW
Area File: 20PCBS17278001B.022.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 1:56:07 AM
File Reported On: 10/6/2017 at 1:56:14 AM

AR5441724C AAAR544AA ICAL 1727799999 10736 SW-846 8082

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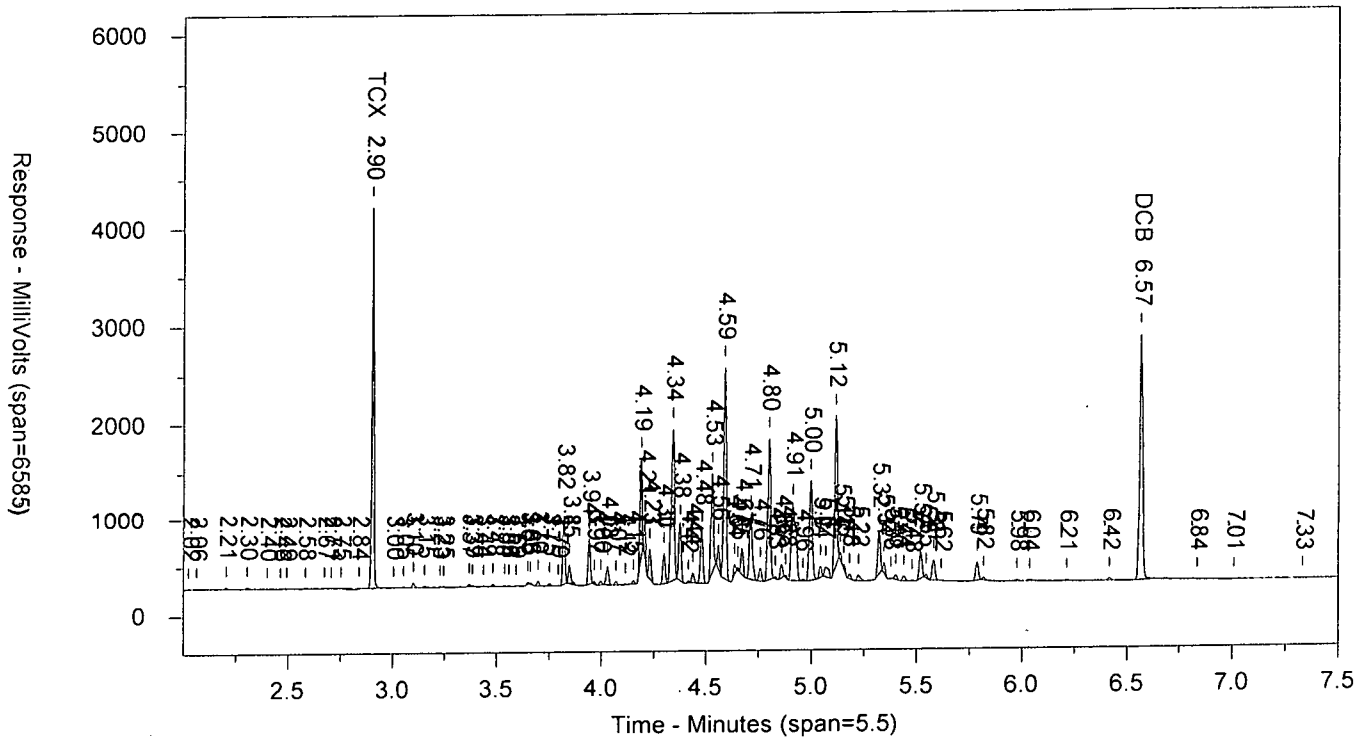

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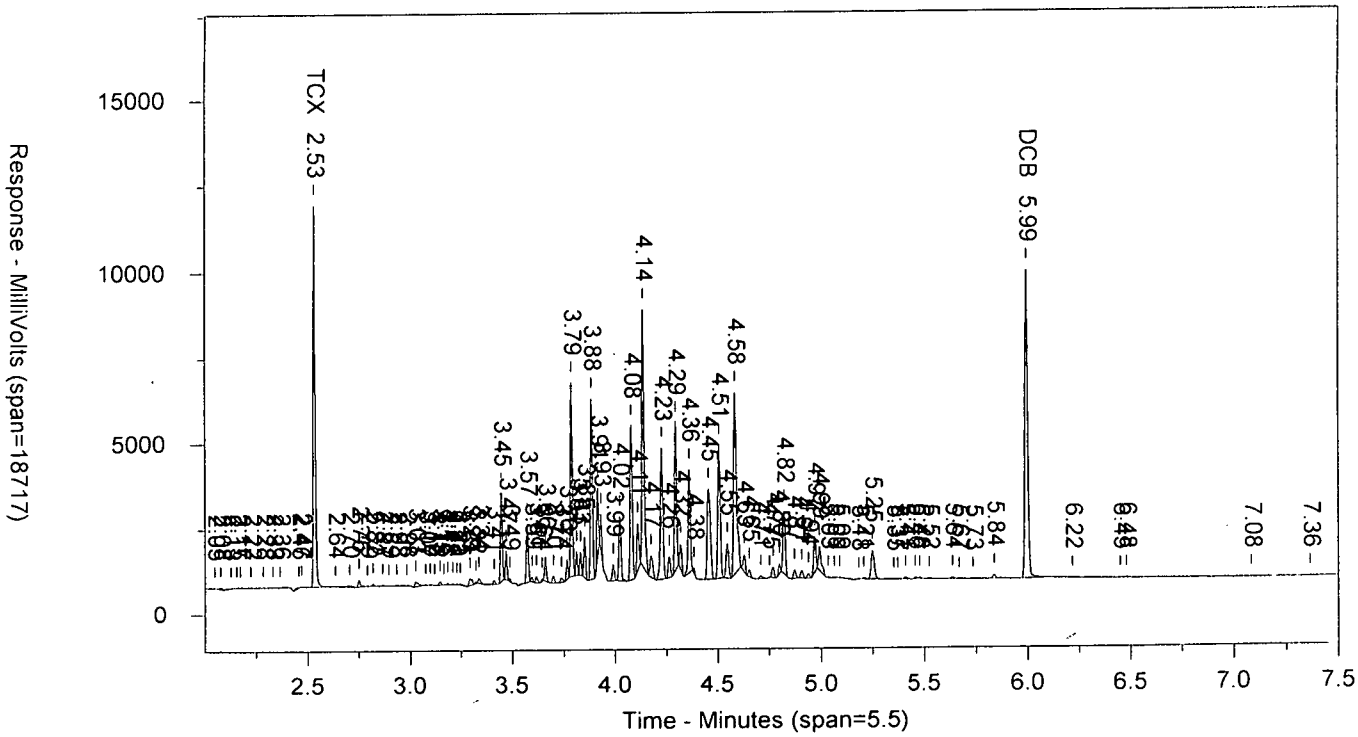

AR5441724C AAAR544AA ICAL 1727799999 10736 SW-846 8082

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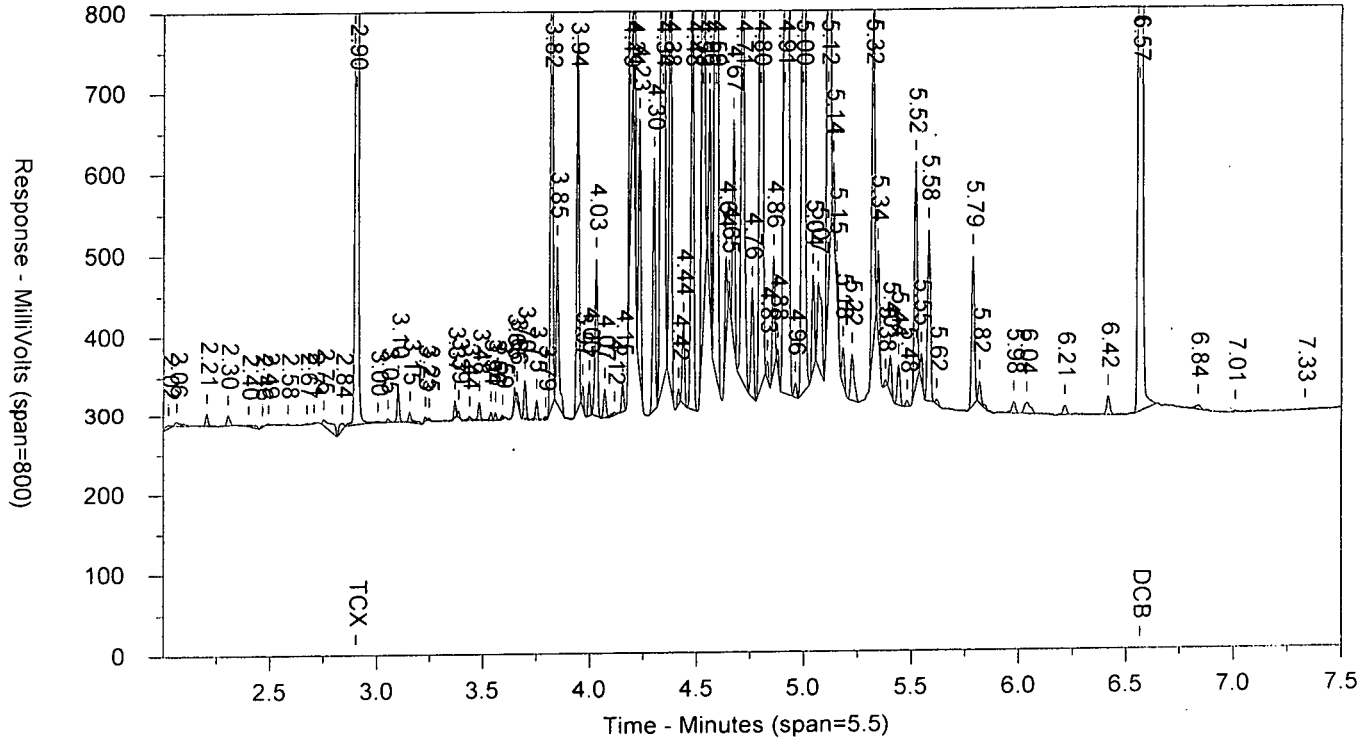

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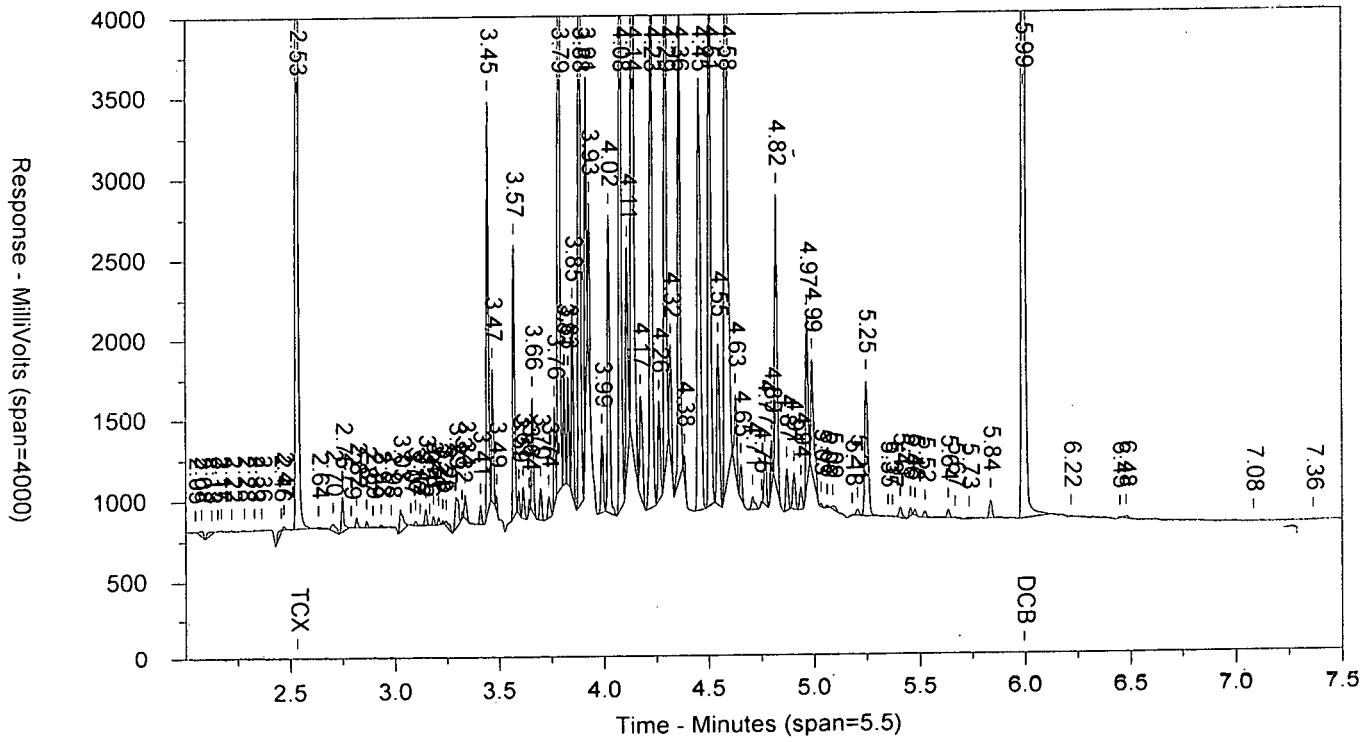

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:58:56 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.023.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.028		2983	6092
2.061		4201	8344
2.206		32808	25161
2.312		14855	19017
2.467		1728	1940
2.489		1362	1024
2.71		2266	3931
2.752		3352	5594
2.838		2645	3656
2.903	TCX	7949569	5255048
3.002		3375	3148
3.053		10033	8931
3.1		92234	65872
3.155		30731	22376
3.229		16824	10158
3.248		3941	2529
3.369		46685	28448
3.386		16019	8974
3.422		2610	1409
3.439		12113	8400
3.482		50175	37342
3.539		18177	10895
3.558		24413	15450
3.592		10516	6032
3.649		36903	20576
3.66		19480	15856
3.697		95719	73113
3.753		53558	38778
3.794		6960	4216
3.82		1479920	1066706
3.848		351233	259383
3.869		19977	9487
3.943		900790	662157
3.967		50509	30668
3.998		83595	60105
4.031		378625	316999
4.071		70391	57797
4.103		4227	2340
4.117		5205	2580
4.154		68411	52068
4.189		2221730	1502912
4.207		731584	399604
4.232		599571	487152
4.3		603419	491368
4.342		3209377	3399645
4.376		1227545	958803
4.416		40226	25794
4.438		193959	150838
4.479		1099033	957387
4.529		2229587	1872929
4.56		503095	336522
4.59		4726471	3850937
4.638		200843	131202
4.653		54138	23720

RT A	Compound A	Height A	Area A
4.672		533959	397205
4.713		1393088	1337490
4.76		263677	236165
4.8		3054644	2795498
4.831		50168	31515
4.859		263281	208848
4.879		41073	21044
4.911		1674230	2493381
4.962		37551	27516
4.997		2116933	2253455
5.044		243583	187478
5.069		190067	289585
5.116		3248732	2773015
5.139		153099	82112
5.156		96797	57488
5.182		94323	71088
5.225		113100	130308
5.323		848517	736482
5.346		196821	125157
5.378		7635	4861
5.401		103752	86683
5.442		98186	91957
5.483		14151	13689
5.521		567639	518658
5.548		66971	45605
5.582		422338	397489
5.62		11259	10116
5.788		388956	349442
5.817		56063	50296
5.978		25060	27529
6.036		25856	52319
6.215		22919	23018
6.389		1022	452
6.419		44656	46570
6.522		859	939
6.567	DCB	5158798	5294238
6.779		2020	1261
6.838		4440	4257
7.011		4447	4884
7.208		885	953
7.258		957	679
8.36		2471	3705
8.513		7007	15640

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:58:56 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.023.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.079		27902	36796
2.109		11602	13606
2.13		3607	2592
2.151		3548	4375
2.22		4979	4473
2.279		6845	5483
2.307		2619	1690
2.332		3522	3067
2.398		24057	60657
2.453		9314	23312
2.47		14924	13500
2.532	TCX	23183900	14188610
2.706		57364	72927
2.749		383051	292711
2.817		124590	85486
2.865		83939	52026
2.928		15354	17568
3		16470	13902
3.025		142249	78206
3.076		17140	10486
3.097		57531	35680
3.12		8824	4203
3.146		191163	137708
3.184		112977	70200
3.209		87352	46568
3.229		48679	24367
3.245		42993	39528
3.293		335461	353758
3.323		86406	37224
3.337		268389	194486
3.41		222828	146782
3.446		4741631	2993076
3.469		1505902	864757
3.486		164933	75256
3.571		3201486	2067472
3.594		270215	140548
3.615		367923	254831
3.643		143665	70265
3.659		1324296	821817
3.699		370228	258222
3.737		262287	210313
3.766		1131337	638973
3.787		11691030	7565214
3.811		1293620	702248
3.83		1203525	685706
3.851		2152487	1377217
3.885		10520540	7096067
3.915		3804904	2208989
3.93		1957532	967423
3.99		914930	643154
4.023		3817663	2800907
4.079		8963671	6525777
4.111		2606661	1919815
4.138		16038600	11493840

RT B	Compound B	Height B	Area B
4.175		1143533	1116163
4.227		7397147	6050570
4.264		1175869	886097
4.295		9114305	6574442
4.319		1387769	901025
4.361		5777356	4406462
4.383		298488	156646
4.454		4807942	5495065
4.506		7774651	6294805
4.547		1876178	1621953
4.584		11491020	10652270
4.629		917462	588585
4.653		407516	287329
4.71		149348	170098
4.75		33480	17961
4.768		593417	449930
4.8		510319	335688
4.822		3499841	2809853
4.872		472382	391647
4.906		411208	347019
4.938		259295	199216
4.969		2017435	1544552
4.992		1342331	1277592
5.034		44079	26341
5.062		39561	34030
5.088		16867	30988
5.183		7208	7019
5.208		70718	58988
5.249		1572470	1665583
5.351		7120	4453
5.409		103223	98480
5.456		99981	73768
5.477		59448	40535
5.525		72149	71541
5.637		96516	82669
5.753		4761	10354
5.789		5595	2893
5.837		208369	183365
5.868		5761	3948
5.996	DCB	17848000	16832470
6.171		8807	10878
6.451		18977	17484
6.482		11413	8281
6.562		2457	1650
6.625		5924	6348
6.722		2668	3788
7.372		1531	1580
7.399		1798	1443
7.826		11660	22426
8.004		10244	16396
8.075		1566	770
8.192		3681	9227
8.334		3271	4984
8.477		1871	1197
8.672		3453	6565

AR5451724C AAAR545AA ICAL 1727799999 10736 SW-846 8082

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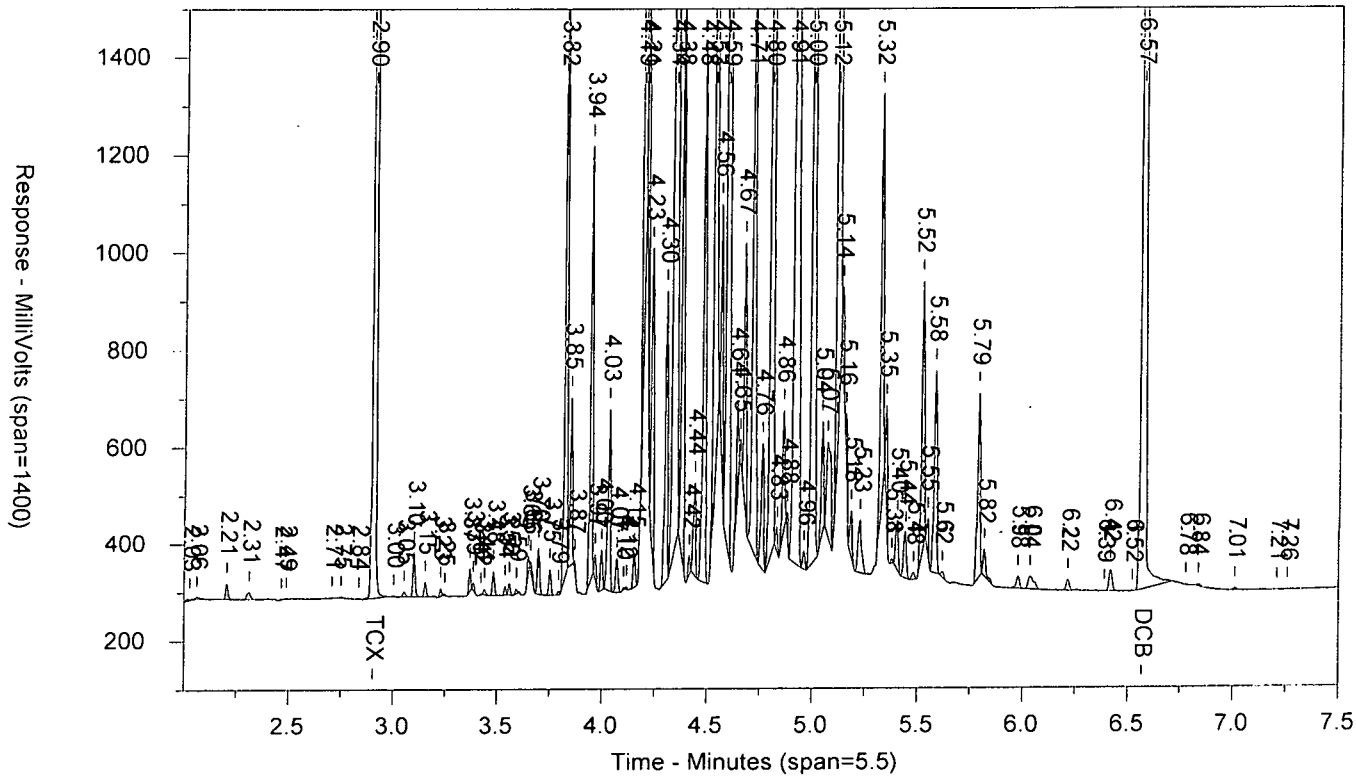

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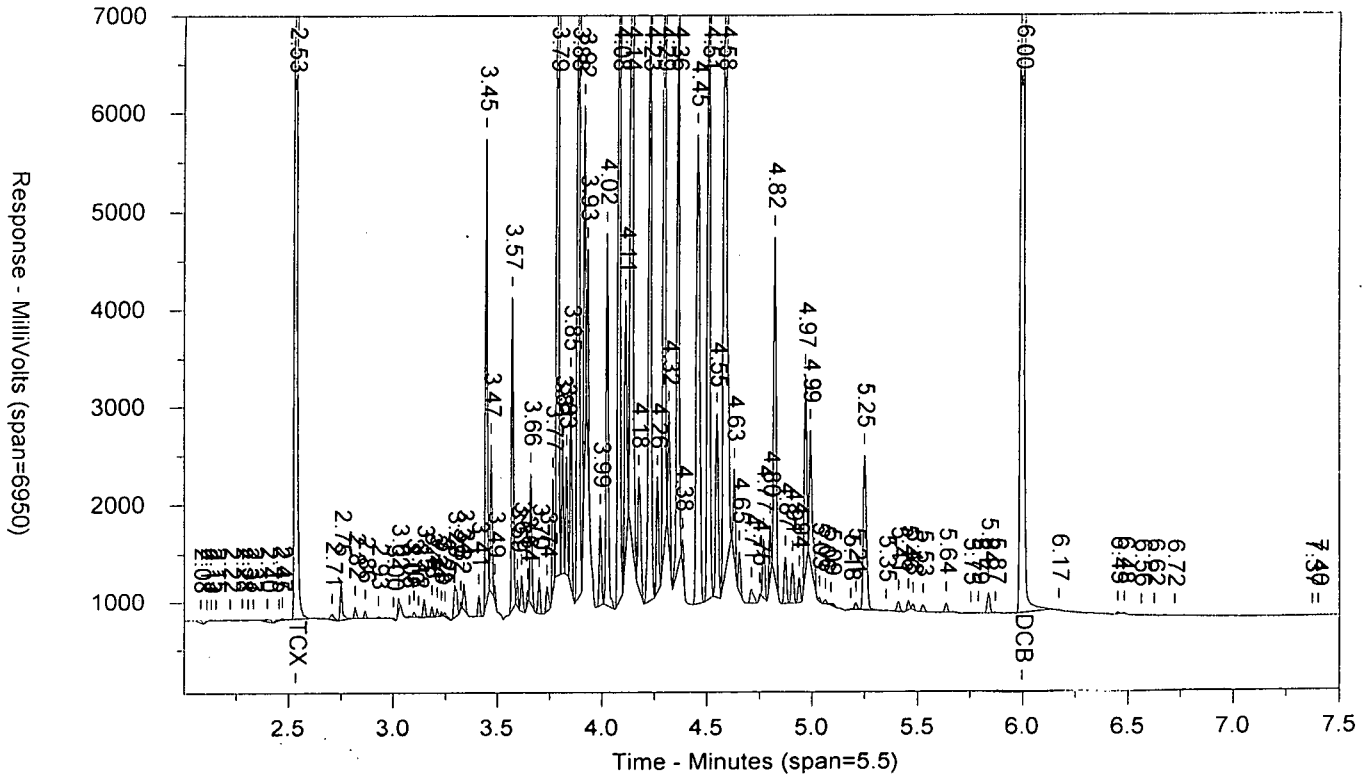

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 1:58:56 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	7949569	40.546	TCX	2.532	23183900	39.271	TCX
6.567	5158798	38.239	DCB	5.996	17848000	34.92	DCB

Files:
Area File: 20PCBS17278001.023.RAW
Area File: 20PCBS17278001B.023.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 2:07:39 AM
File Reported On: 10/6/2017 at 2:07:46 AM

AR5451724C AAAR545AA ICAL 1727799999 10736 SW-846 8082

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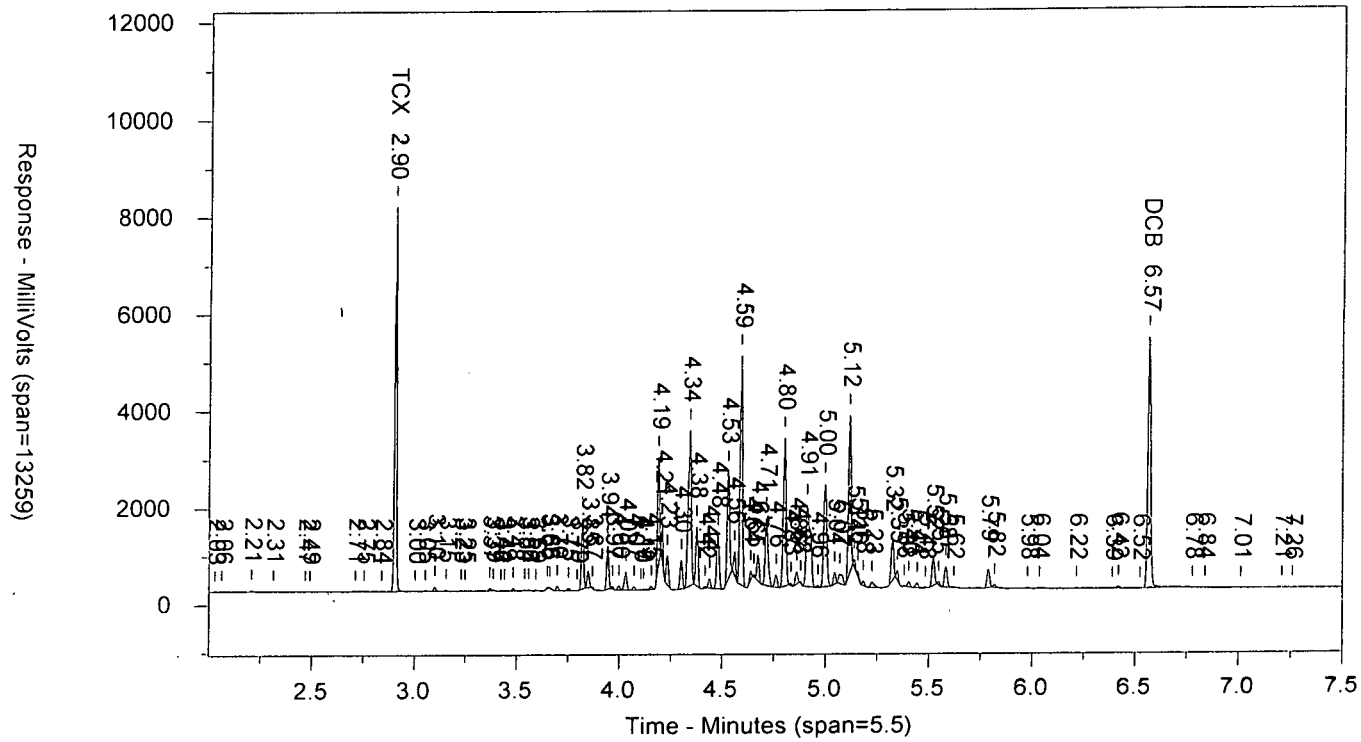

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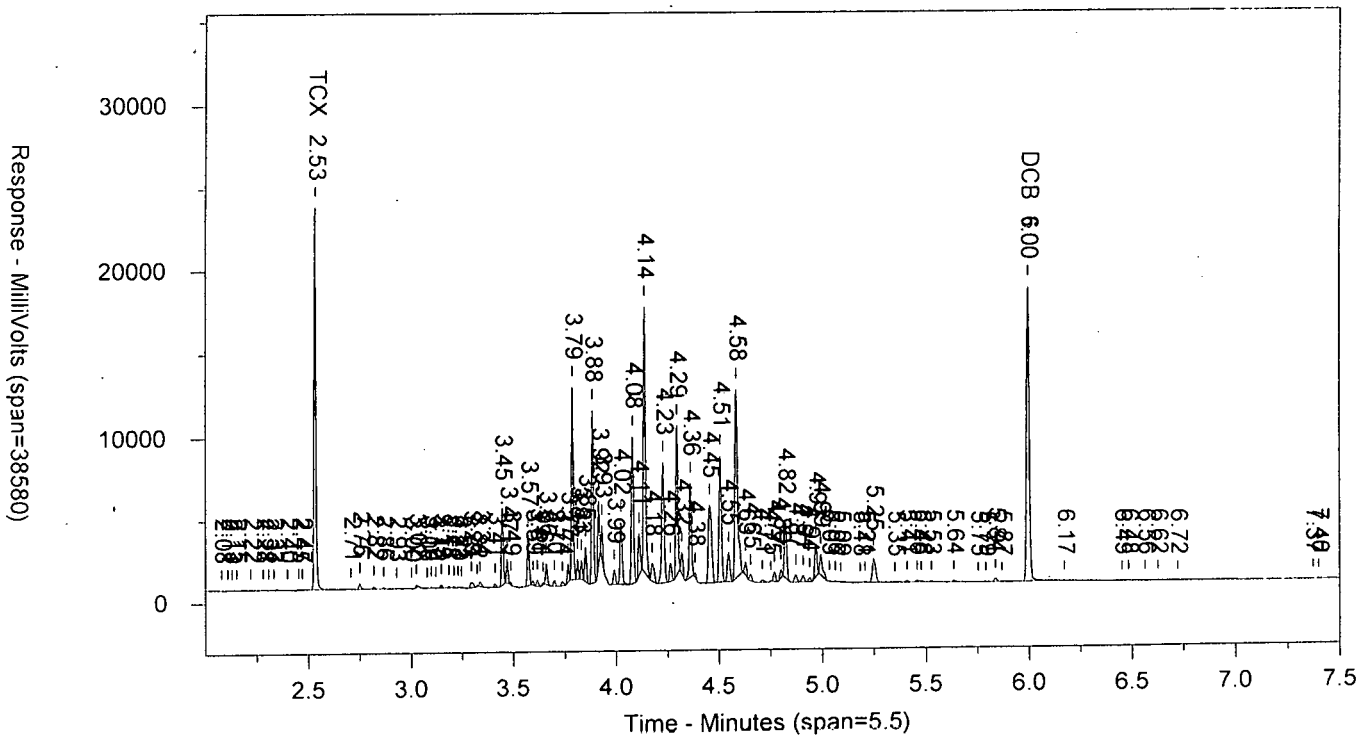

AR5451724C AAAR545AA ICAL 1727799999 10736 SW-846 8082

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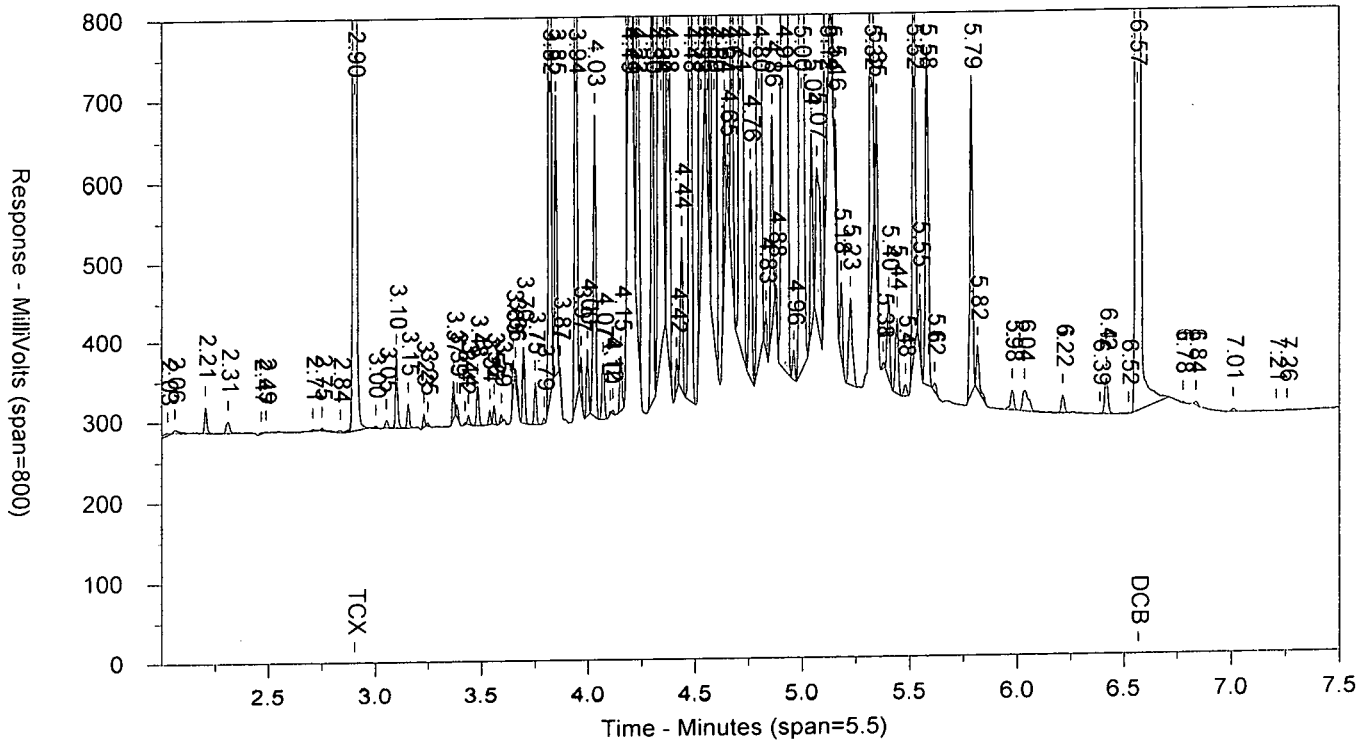

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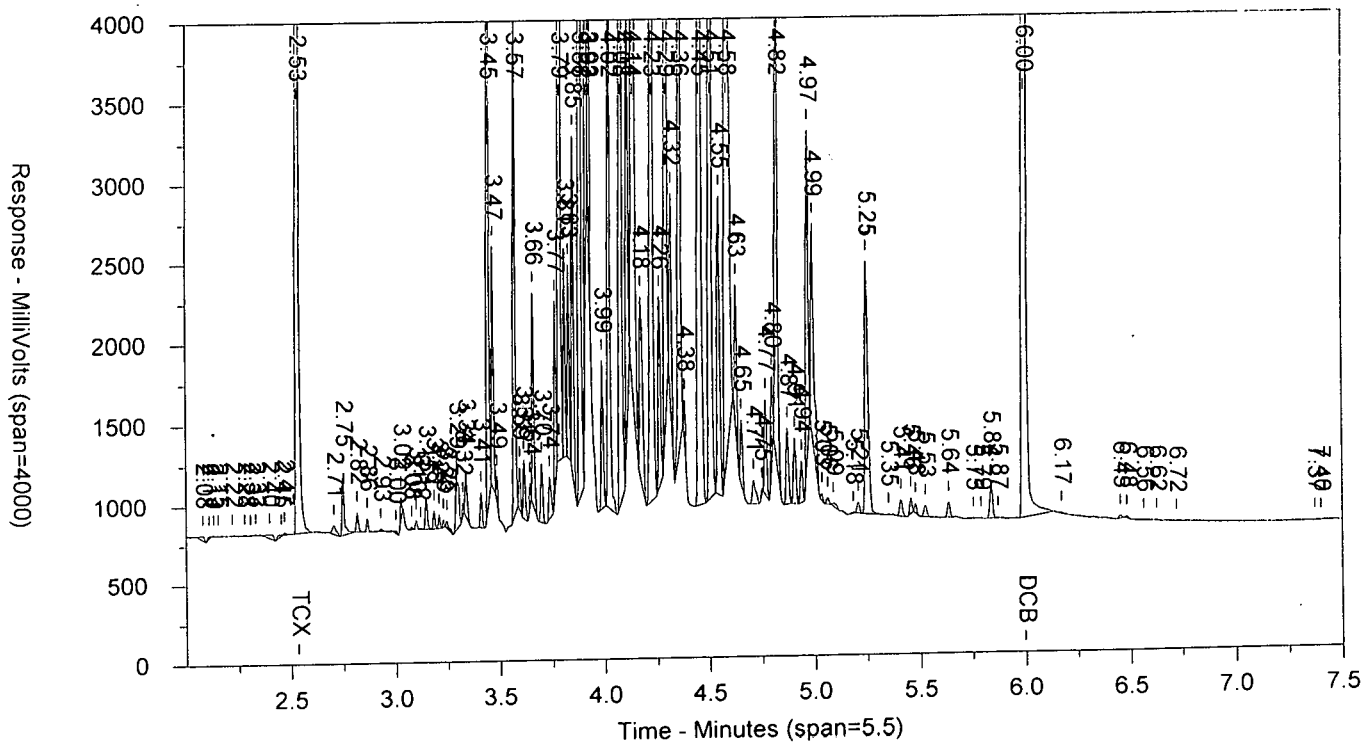

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:10:29 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.024.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.036		3118	10865
2.065		3687	6706
2.205		63388	48530
2.313		26999	30619
2.492		2877	9181
2.547		1529	963
2.677		892	1822
2.754		4891	16183
2.834		6415	9141
2.904	TCX	16071810	10477770
3.002		4121	3267
3.053		19646	18304
3.1		176312	124724
3.155		56827	40559
3.23		31176	20167
3.248		7209	4289
3.369		82115	51509
3.386		29804	17201
3.423		4390	2458
3.439		22402	15056
3.483		93844	69295
3.538		33458	19832
3.559		45306	29314
3.593		20679	11865
3.607		7823	3756
3.65		79963	41038
3.661		37259	30567
3.698		190390	140350
3.753		96605	72816
3.794		12949	7970
3.821		2851552	2031905
3.848		670778	490348
3.869		35055	17319
3.943		1775555	1262345
3.967		95783	55593
3.998		157949	114068
4.031		706249	602339
4.071		135383	108136
4.104		7576	4774
4.117		9643	5068
4.154		132416	97332
4.189		3995372	2813815
4.207		1382343	766114
4.233		1219229	928061
4.3		1151215	930579
4.342		6293247	6608912
4.376		2310049	1829394
4.416		79735	50776
4.438		350592	278431
4.479		2182233	1833234
4.529		4221880	3556898
4.56		989590	654655
4.59		9058147	7542125
4.638		386326	262933

RT A	Compound A	Height A	Area A
4.654		93125	35588
4.673		1062627	767150
4.714		2601902	2566589
4.759		516701	452945
4.8		6244212	5523362
4.831		93264	59510
4.86		475852	394012
4.879		68584	42942
4.911		1828716	1254927
4.924		554157	347723
4.961		72090	54759
4.998		4436112	4534238
5.044		487998	373032
5.068		175532	111081
5.081		122437	82327
5.116		6120656	5497500
5.139		399392	184765
5.156		175916	105334
5.182		172375	136466
5.226		214094	249422
5.267		1894	1194
5.323		1686658	1442848
5.345		360704	236004
5.378		12747	6929
5.402		205536	176837
5.441		180056	173885
5.482		27279	23847
5.522		1114379	1037512
5.547		136484	94089
5.583		752607	740159
5.619		23861	21143
5.668		3188	7714
5.788		735642	668737
5.818		106097	99891
5.979		47130	52041
6.036		45796	99566
6.214		41885	42723
6.259		2727	1943
6.347		1869	1630
6.388		1248	1007
6.416		84396	85452
6.516		1367	1357
6.564	DCB	10198020	10156100
6.678		3153	3549
6.746		3884	3272
7.007		7464	9457
7.251		981	966
7.497		953	1409
7.863		1135	3295
8.177		886	632
8.356		2170	3283
8.513		7430	16920

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:10:29 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.024.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.075		48132	67810
2.118		4663	32940
2.157		4156	5243
2.219		9452	12074
2.283		6809	7292
2.331		3383	1848
2.396		47528	134297
2.469		53300	159800
2.532	TCX	45333320	28064050
2.624		4456	6985
2.706		112523	146295
2.749		724490	535052
2.817		224126	156601
2.865		150065	94773
2.929		30782	28885
2.998		25346	24490
3.025		415107	470317
3.076		33380	18556
3.097		106405	66717
3.121		15638	7390
3.146		351758	254681
3.183		210156	133653
3.209		147103	80068
3.229		92454	46835
3.244		59766	61713
3.294		590605	636663
3.323		152032	67437
3.337		479415	353110
3.41		392372	271342
3.446		8888549	5436458
3.469		2688320	1528538
3.486		295875	130963
3.571		5742330	3715729
3.594		476727	248187
3.615		667796	457827
3.643		253418	124483
3.659		2355287	1470130
3.698		658263	460652
3.737		453545	376419
3.765		2043065	1099571
3.787		22456250	14190420
3.811		2331515	1270956
3.83		2134629	1207469
3.85		3876135	2472025
3.885		20039500	13545660
3.915		7461657	4130299
3.931		3952400	1851417
3.99		1582353	1145134
4.023		6471214	4757841
4.079		17354100	12470330
4.111		4918180	3575739
4.138		31749860	22578750
4.175		2048225	1996432
4.227		14456230	11407840

RT B	Compound B	Height B	Area B
4.263		2230850	1605766
4.295		16670720	11739630
4.318		2435811	1679606
4.36		11339560	8303788
4.383		592366	298008
4.454		9131537	10230900
4.506		15677330	12209590
4.546		3499999	2987419
4.584		21849580	19974330
4.629		1676734	1231491
4.653		778591	539750
4.709		282769	311119
4.75		65419	35833
4.768		1097799	825955
4.799		949588	620548
4.821		6559295	5221562
4.872		842163	694512
4.906		767971	631543
4.938		476018	361964
4.968		3941780	2953004
4.991		2408925	2375748
5.033		80981	49664
5.061		71547	59940
5.086		15507	26380
5.129		15484	18996
5.182		14648	15242
5.208		127922	104189
5.249		2905014	3056739
5.349		10430	8726
5.408		189437	182647
5.455		178532	135039
5.477		92645	65959
5.524		137293	131807
5.637		180859	158341
5.669		16261	25237
5.745		8569	22370
5.789		9742	7643
5.837		377647	334556
5.866		11341	7749
5.889		8517	6069
5.995	DCB	37705770	33288470
6.238		5078	3399
6.262		5017	3759
6.322		4790	5490
6.45		37246	34871
6.481		13147	10754
6.622		7202	7834
6.666		2711	1684
6.718		2812	2573
7.152		2823	4177
7.416		1769	1418
7.676		2180	2791
7.822		10716	17983
7.926		1749	3550
8.005		10525	20930
8.101		2781	4480
8.253		2349	7687
8.312		2719	1242
8.338		4588	10859
8.467		1647	836

AR5461724B AAAR546AA ICAL 1727799999 10736 SW-846 8082

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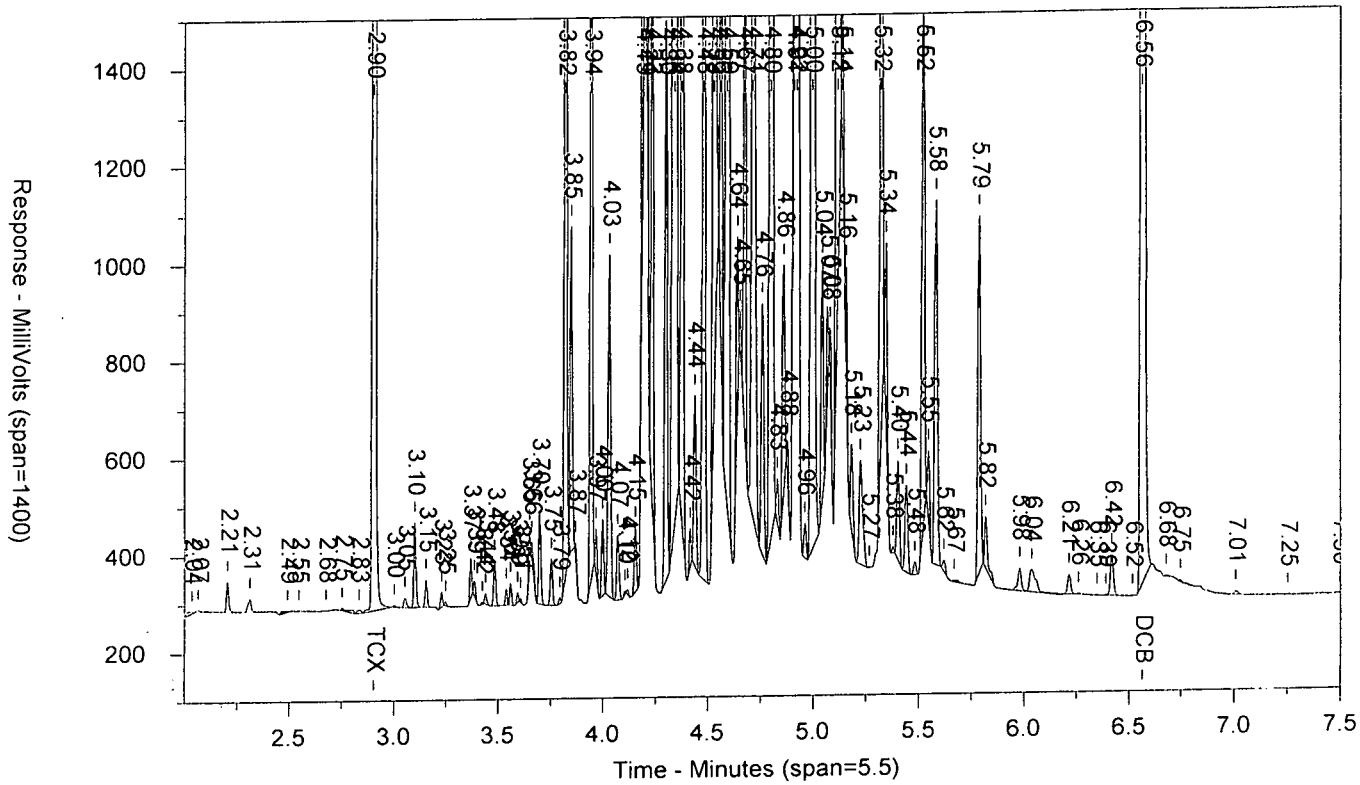

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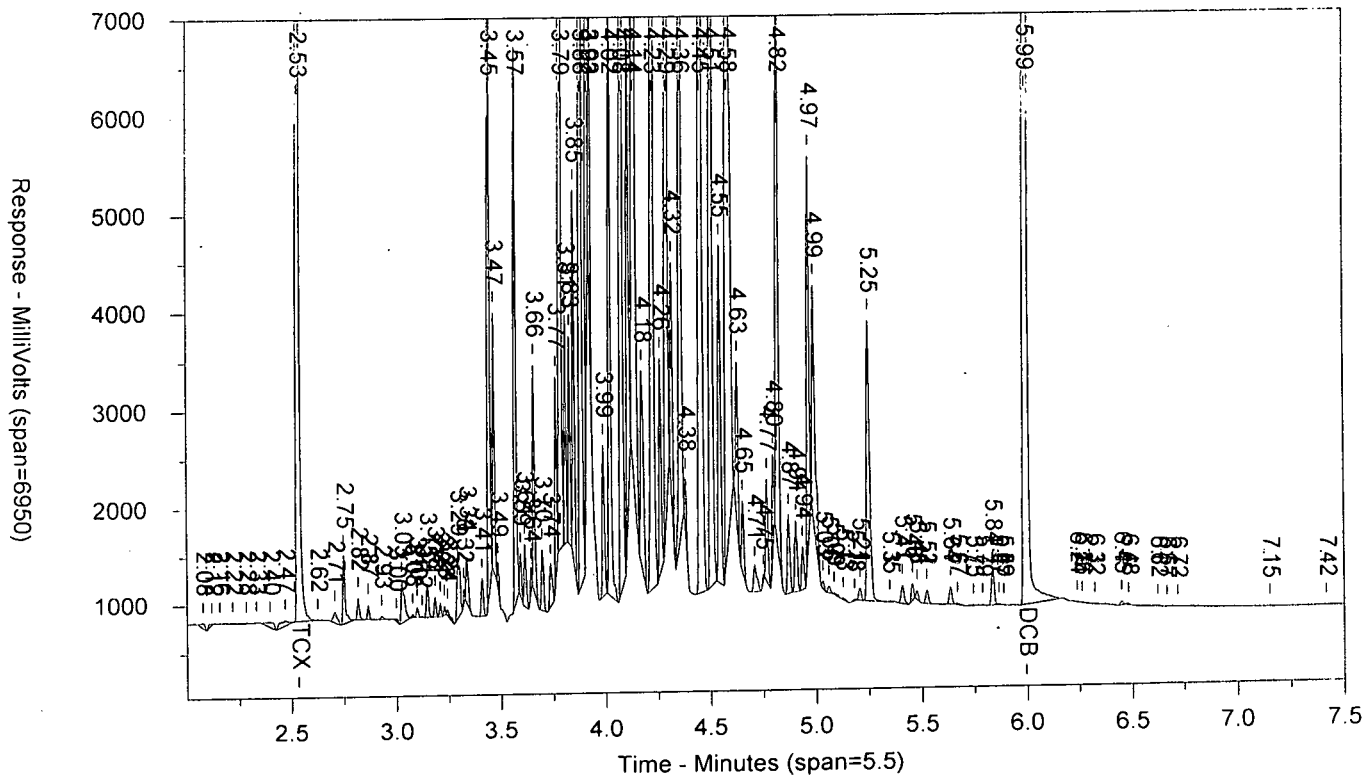

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:10:29 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	16071810	81.973	TCX	2.532	45333320	76.79	TCX
6.564	10198020	75.592	DCB	5.995	37705770	73.771	DCB

Files:
Area File: 20PCBS17278001.024.RAW
Area File: 20PCBS17278001B.024.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 2:19:10 AM
File Reported On: 10/6/2017 at 2:19:18 AM

AR5461724B AAAR546AA ICAL 1727799999 10736 SW-846 8082

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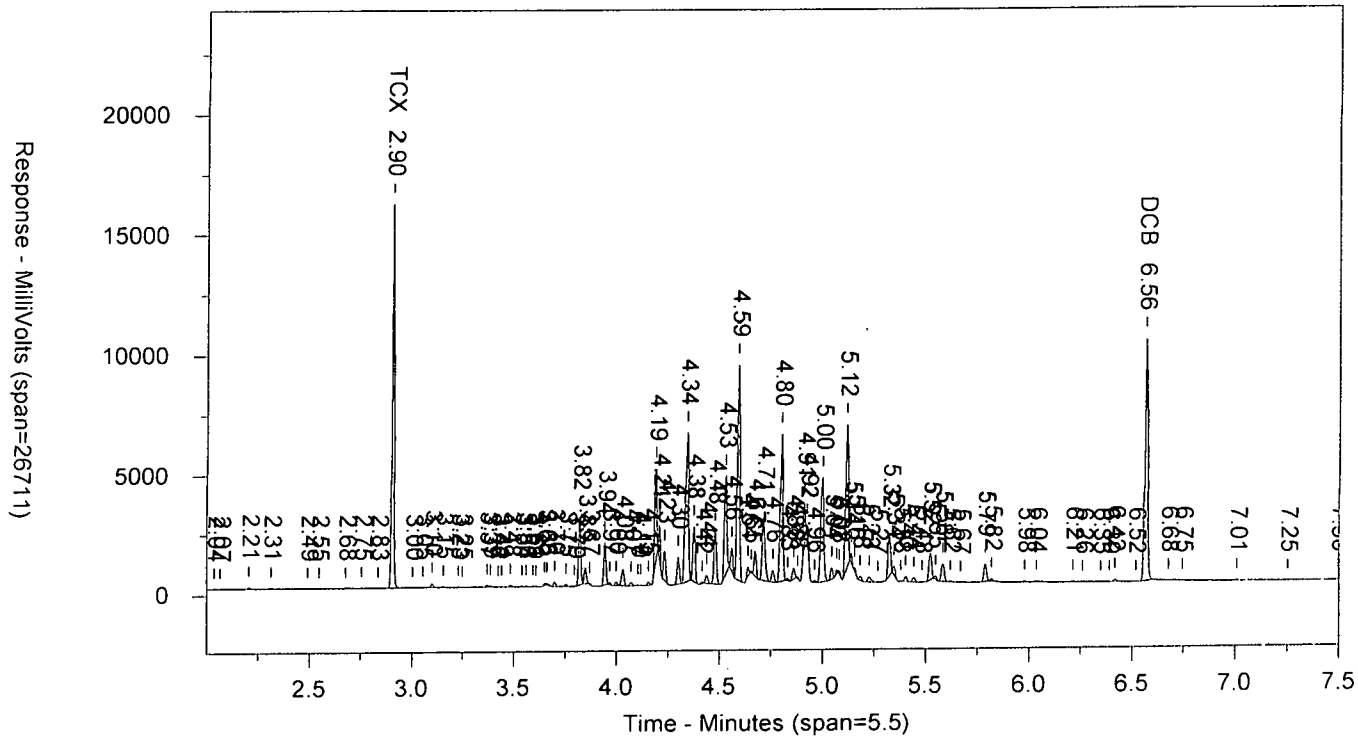

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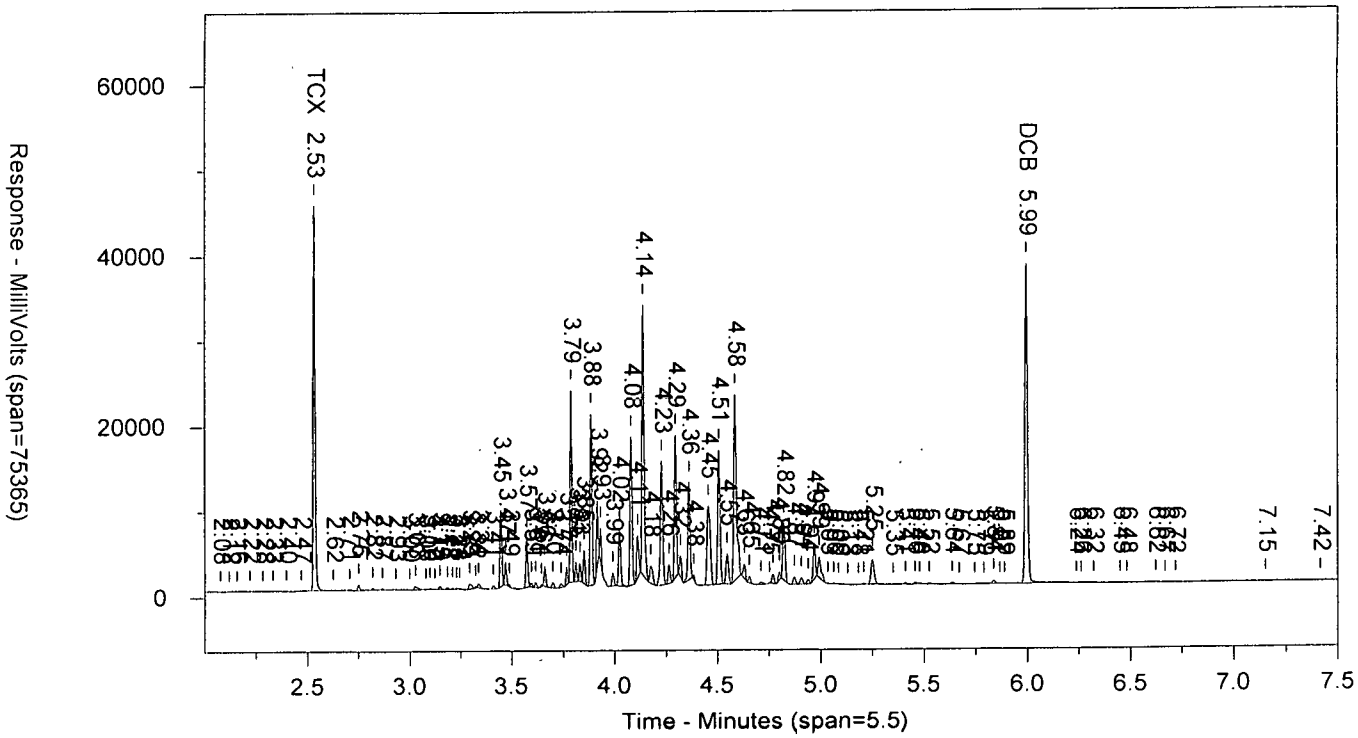

AR5461724B AAAR546AA ICAL 1727799999 10736 SW-846 8082

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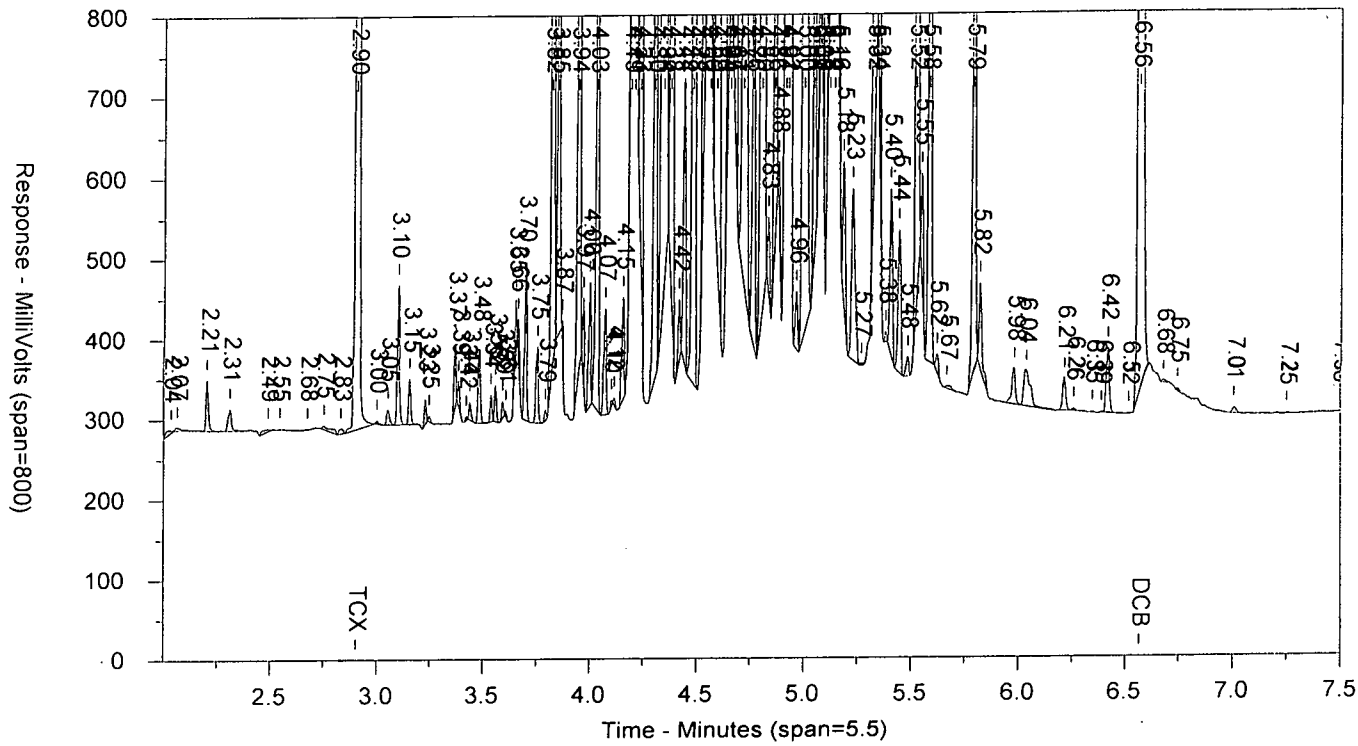

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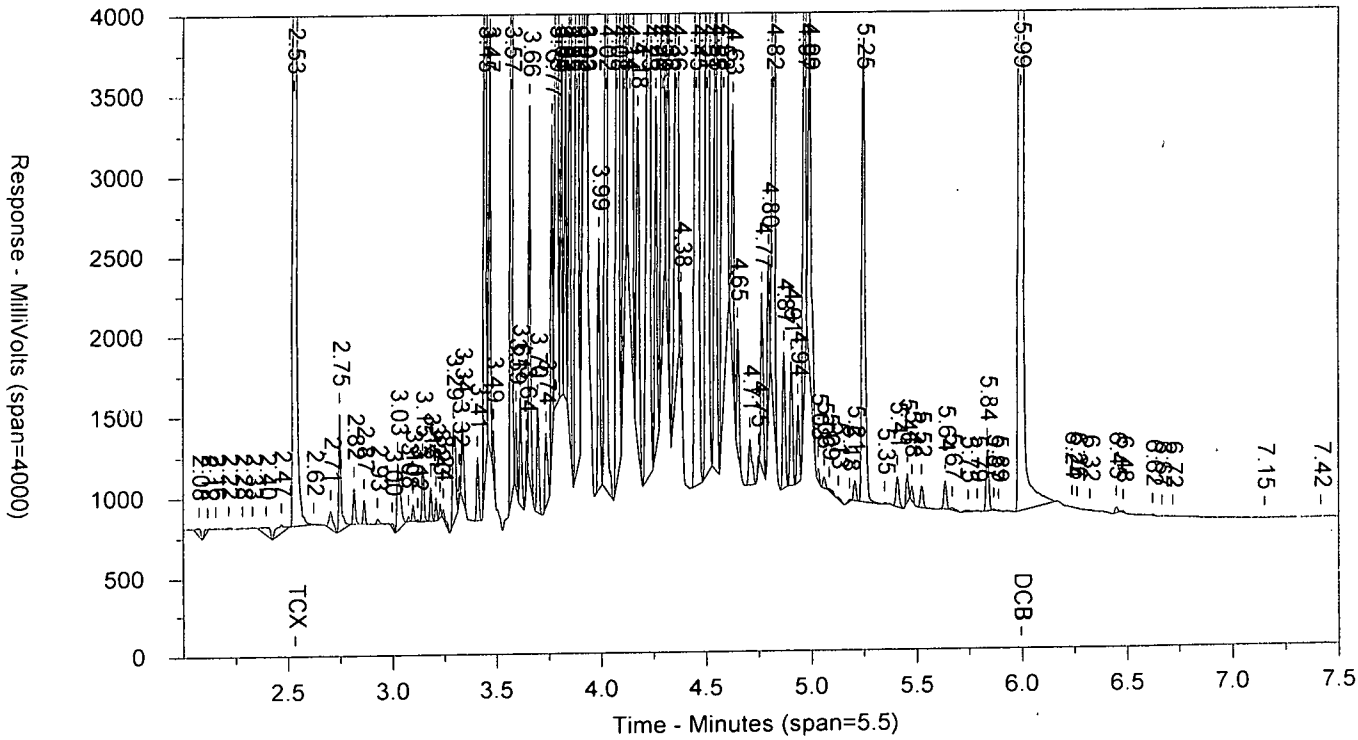

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:21:58 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.025.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.025		4220	7601
2.063		5626	14967
2.147		1668	3124
2.247		6815	4568
2.304		19844	13839
2.401		2262	8340
2.465		2462	2091
2.493		2082	1701
2.513		1610	1766
2.563		3595	4236
2.654		2071	1360
2.678		1172	1018
2.731		1659	2337
2.754		10398	46373
2.843		8591	17549
2.88		5006	5065
2.926	TCX	1413	1808
3.011		1306	1220
3.056		2780	2737
3.108		3113	1935
3.134		4054	2480
3.154		18190	17979
3.248		6541	14225
3.369		21415	12706
3.385		9420	5481
3.425		1814	1131
3.451		1041	467
3.483		25305	20213
3.592		4468	4385
3.65		9018	5659
3.66		19018	9729
3.697		33153	26157
3.753		25256	18306
3.783		8048	6175
3.821		29045	20902
3.849		23030	26035
3.944		27297	22902
3.968		4293	2336
3.997		6331	4249
4.031		21079	20793
4.071		5689	4137
4.135		4481	4303
4.156		1733	901
4.19		160230	118200
4.231		21034	17314
4.317		34387	27244
4.342		193743	159690
4.376		17286	12647
4.417		8611	6073
4.445		26204	22694
4.479		24556	21753
4.546		161849	180951
4.59		93062	81803
4.638		629538	629513

RT A	Compound A	Height A	Area A
4.675		88878	62996
4.714		1059370	932693
4.759		3724	3257
4.799		65567	66971
4.832		2549	1585
4.86		125045	115810
4.912		1129667	1252595
4.962		536177	500227
5.002		447750	533147
5.044		52305	38603
5.083		49057	43215
5.115		1071381	1048491
5.16		8894	5036
5.183		1668346	1532048
5.225		694817	652229
5.319		271503	209579
5.345		1333183	1326637
5.401		569764	501165
5.44		212537	257454
5.487		54018	57794
5.527		218799	215265
5.582		3136563	3319608
5.786		2122411	2019151
5.844		957258	1470706
5.898		1817	1692
5.979		94374	88199
6.059		474140	547579
6.152		1728	1968
6.214		1245250	1177842
6.26		63752	62076
6.417		452438	449275
6.565	DCB	11100	12390
6.834		5606	8228
7.865		923	610
8.31		874	617
8.513		7088	16260

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:21:58 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.025.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.074		29716	38650
2.133		12024	56725
2.172		7072	10354
2.22		4137	5115
2.266		18038	20013
2.308		2575	1916
2.331		7022	7167
2.363		4879	4341
2.45		50355	71142
2.469		28515	17416
2.513		4892	3747
2.547	TCX	4129	2088
2.565		15078	11951
2.639		7386	8310
2.663		3098	2867
2.704		29221	52280
2.765		30771	60791
2.817		77346	50741
2.843		21996	12527
2.907		11975	10119
2.929		8178	6675
2.981		6473	5871
3.025		79006	41222
3.035		18819	6782
3.062		1278	377
3.075		10769	5790
3.107		6830	6489
3.145		108984	73636
3.184		7821	4461
3.229		22892	12748
3.245		29642	49222
3.294		35728	22517
3.303		90486	41006
3.336		114177	97232
3.372		7973	5438
3.41		107660	76224
3.446		116776	66816
3.469		116543	79306
3.487		13826	4780
3.5		41100	38615
3.541		9914	8547
3.571		115008	76293
3.594		53424	28694
3.614		24942	14000
3.643		34425	18017
3.659		79018	44447
3.698		32895	23146
3.744		13305	12306
3.764		62094	33408
3.787		765378	514166
3.811		85583	48437
3.83		19803	9350
3.85		108413	72812
3.885		806638	570843

RT B	Compound B	Height B	Area B
3.916		112998	67407
3.943		318980	216222
3.979		168199	145051
4.015		66761	71336
4.055		10306	20873
4.079		191553	137719
4.119		568104	382849
4.151		2217666	1702212
4.177		598334	610369
4.226		3755468	2937155
4.274		27090	26770
4.294		102659	62360
4.319		623399	473768
4.36		4307830	3448743
4.459		3827822	3631281
4.51		760342	639352
4.55		1345019	1130067
4.583		2591441	2158506
-4.616		5412055	4393508
4.653		3004360	2488905
4.749		1330442	1158499
-4.799		5501219	4982440
4.871		2258719	2261477
4.906		808007	639581
4.937		788339	607468
4.969		26225	20777
-4.991		10862750	9545803
5.033		193953	144046
5.062		823929	726546
5.183		214061	140751
-5.207		4386413	3746901
-5.254		7001723	7699751
5.372		7757	4805
5.408		388144	365486
5.455		57456	39187
5.476		235335	190272
5.525		1753089	1649326
-5.635		4381718	3766662
5.668		250083	194226
5.727		6900	21657
5.836		1804468	1695615
5.994	DCB	61351	75052
6.169		13802	15057
6.237		3976	8095
6.478		20216	32932
6.564		2968	2829
6.676		3364	8233
6.768		2652	2450
7.2		1664	1540
7.428		2161	2059
7.441		2221	993
7.566		2844	2594
7.677		1949	658
7.746		2688	2924
7.825		10271	15517
7.944		2454	1197
8.007		9903	17233
8.078		2113	1026
8.208		2795	3951
8.289		1788	1529
8.508		2147	1486

AR6231724A AAAR623AA ICAL 1727799999 10736 SW-846 8082

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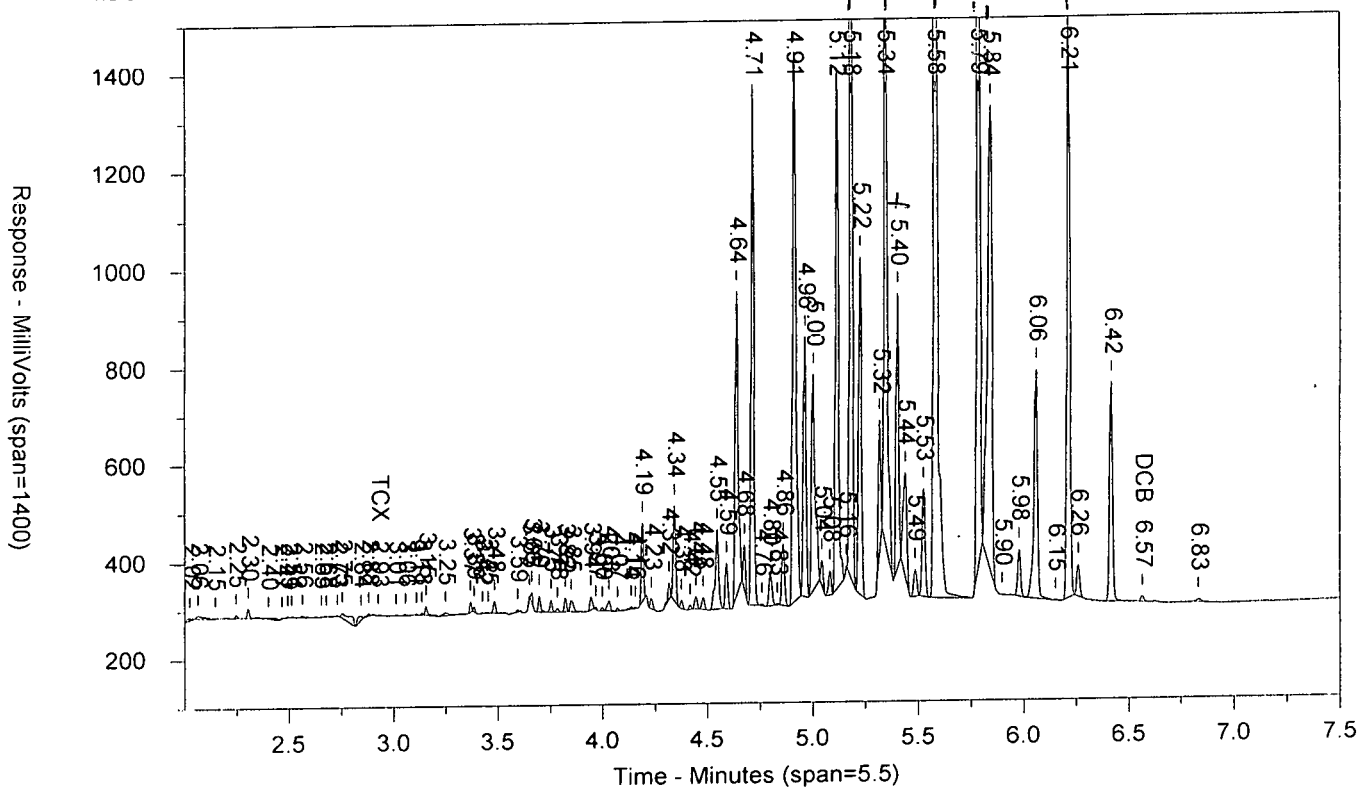

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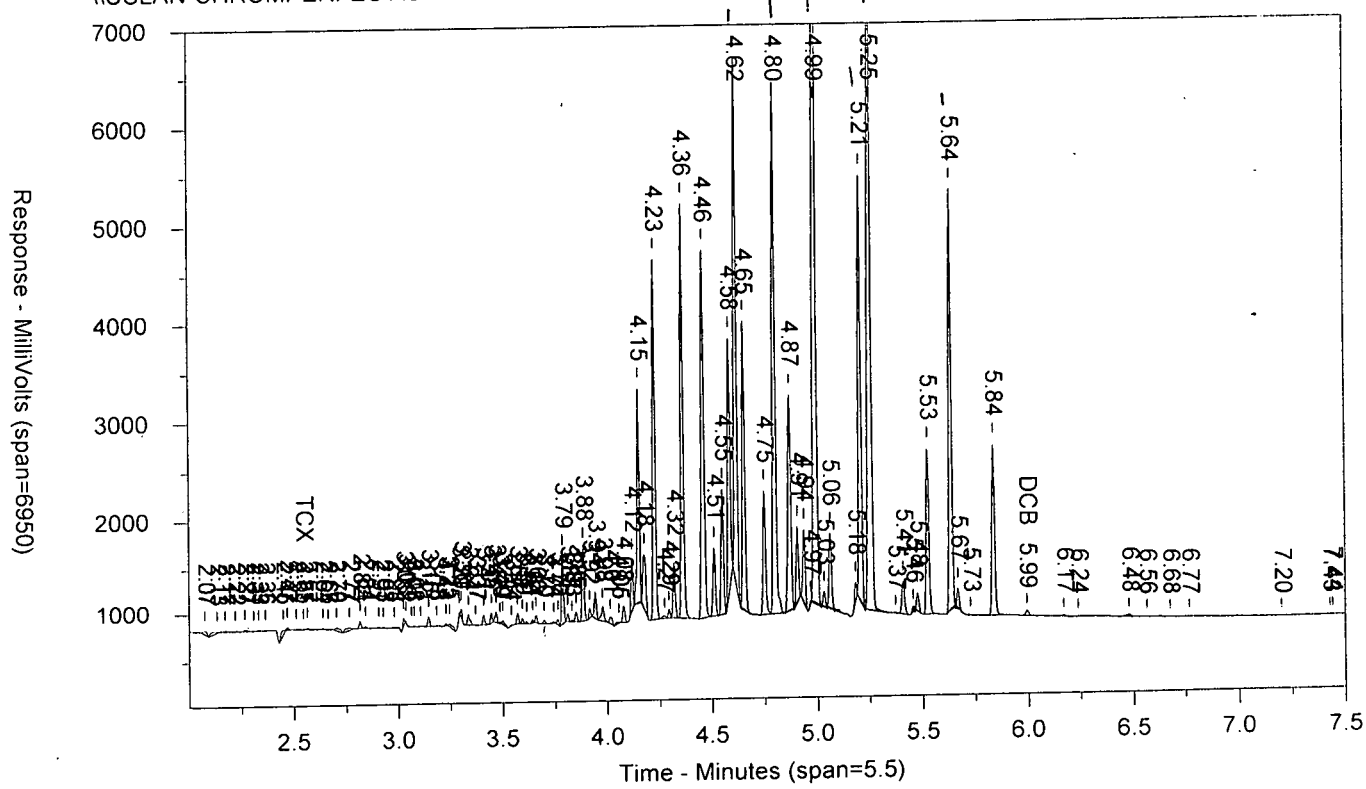

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:21:58 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.926	1413	.007	TCX	2.547	4129	.007	TCX
6.565	11100	.082	DCB	5.994	61351	.12	DCB

Files:
Area File: 20PCBS17278001.025.RAW
Area File: 20PCBS17278001B.025.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 2:30:41 AM
File Reported On: 10/6/2017 at 2:30:48 AM

AR6231724A AAAR623AA ICAL 1727799999 10736 SW-846 8082

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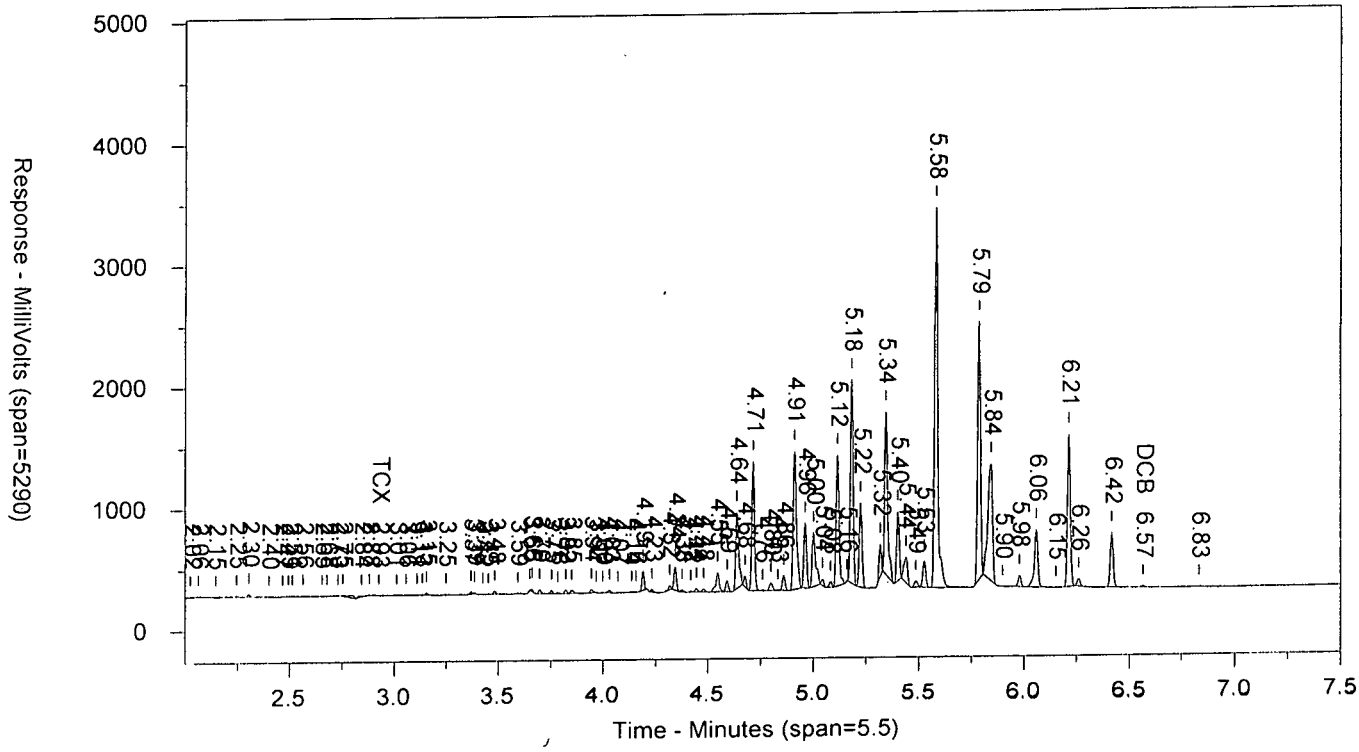

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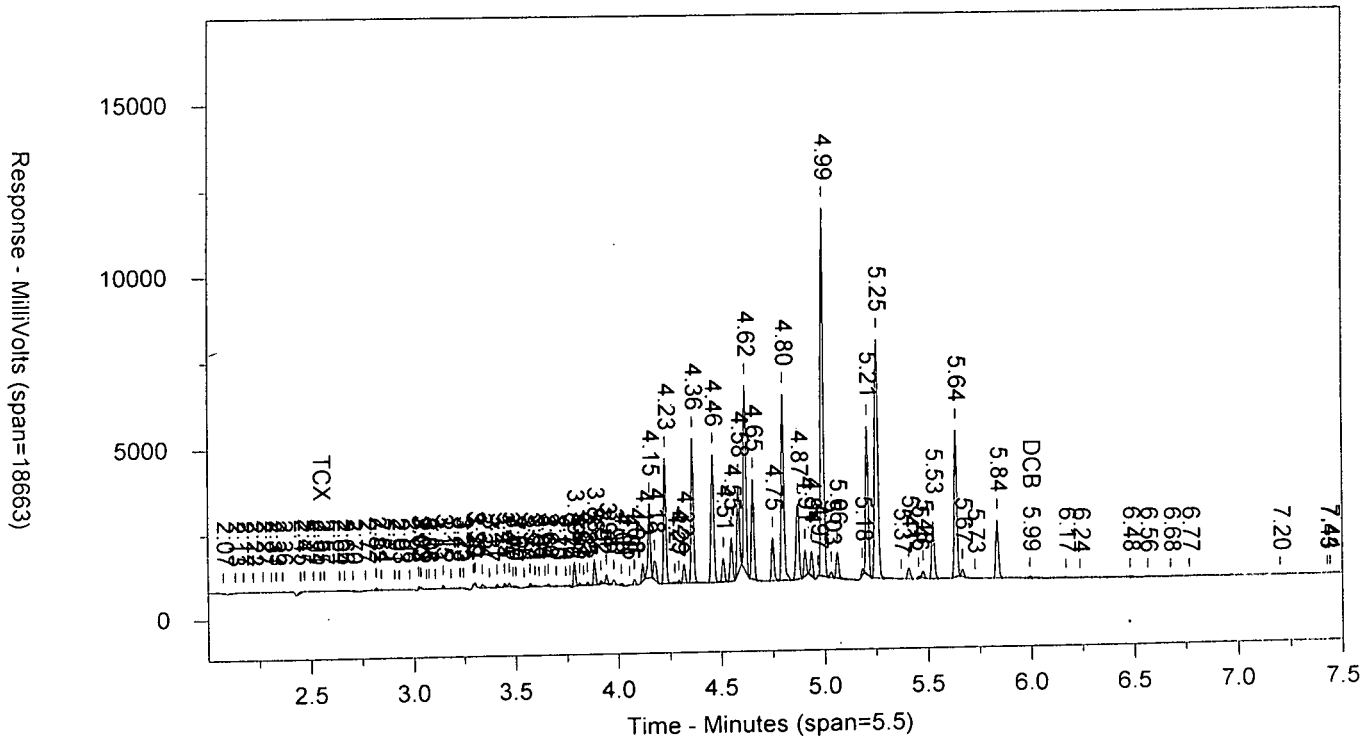

AR6231724A AAAR623AA ICAL 1727799999 10736 SW-846 8082

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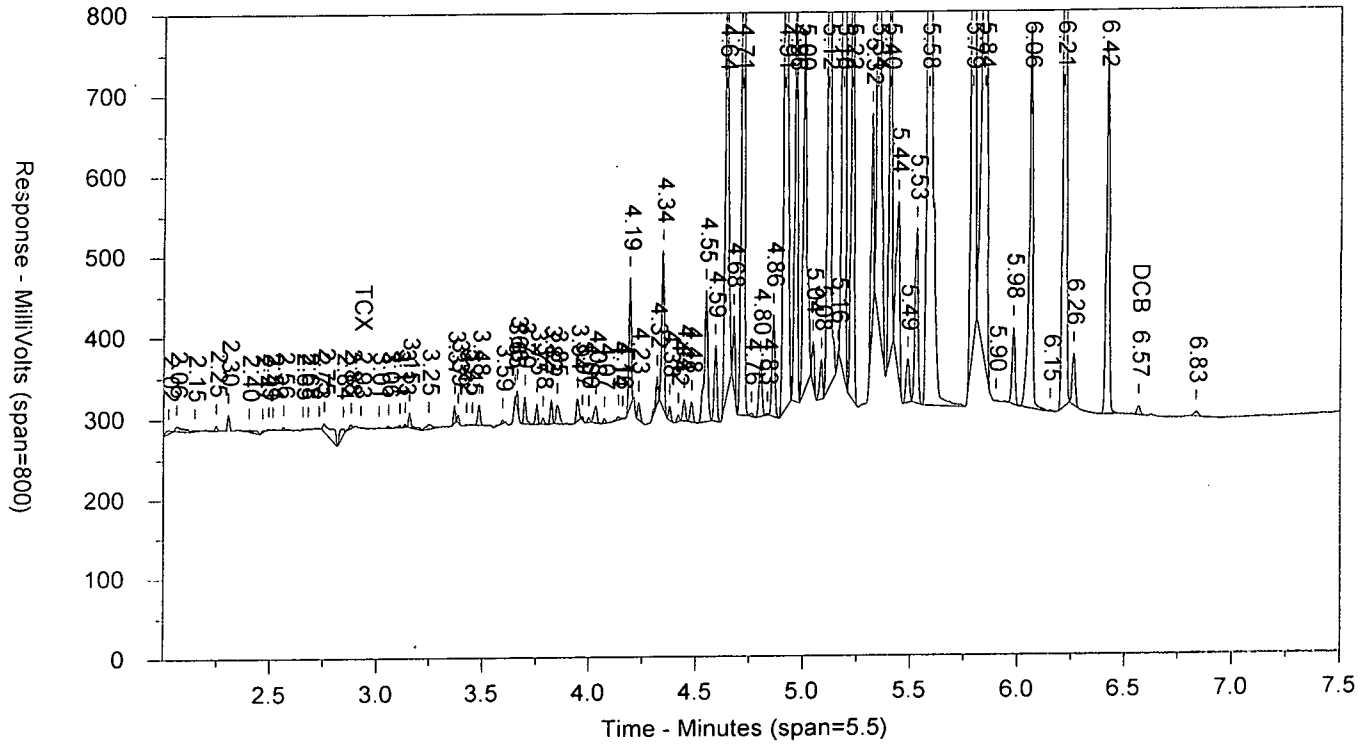

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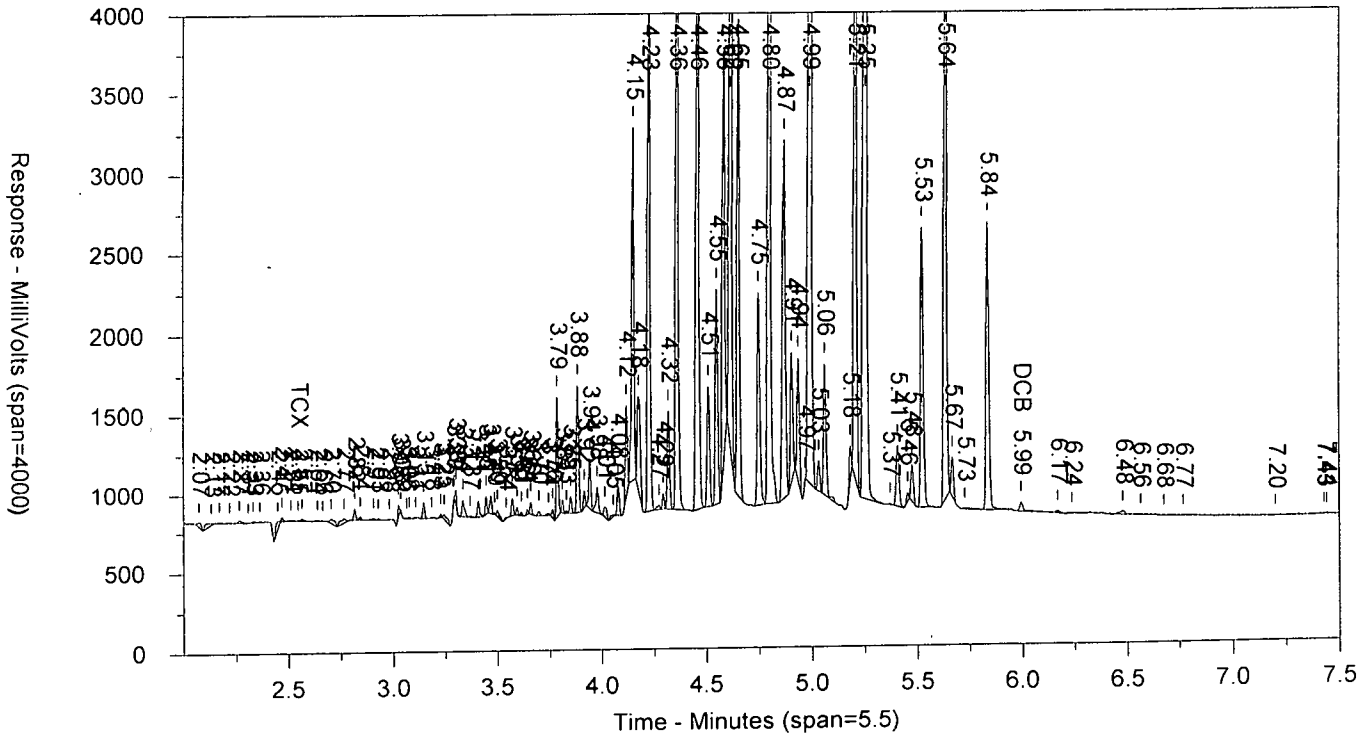

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:33:23 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.026.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.027		2875	5601
2.06		4698	7403
2.15		2092	4258
2.304		29315	19890
2.469		2188	2701
2.491		2082	1718
2.511		1493	1292
2.561		1069	607
2.68		795	1055
2.753		6764	5737
2.841		13834	25441
2.906	TCX	1717	8613
3.156		2115	1884
3.241		3489	7276
3.331		784	578
3.369		4374	2749
3.385		1855	1127
3.483		6434	14430
3.606		1829	7473
3.648		4914	2678
3.696		8153	6557
3.752		6370	4936
3.822		7619	5251
3.848		6228	6750
3.901		1636	2879
3.943		10594	7308
3.967		2843	1642
3.997		3516	2442
4.03		9569	8902
4.07		3637	2804
4.135		4969	5297
4.187		10041	7607
4.207		14242	9019
4.23		15210	12418
4.334		10573	8512
4.353		3547	2020
4.478		5670	5782
4.527		5951	4461
4.559		4256	3401
4.589		8645	7334
4.638		4072	3622
4.67		5636	4983
4.717		2838	2857
4.757		2204	2156
4.8		9464	8709
4.833		2697	8096
4.91		12426	12617
4.961		41570	38742
4.995		10970	9833
5.069		1401	1645
5.115		22302	21083
5.182		598397	593426
5.226		39892	37547
5.289		1526	3336

RT A	Compound A	Height A	Area A
5.318		25471	20383
5.363		776773	819960
5.428		232765	215502
5.488		12774	12851
5.525		3315	3453
5.582		278189	230965
5.605		135252	104355
5.686		2140	1988
5.787		3794783	3737280
5.845		3403515	3537995
5.904		3022	1884
5.978		3262010	3082847
6.043		777940	822184
6.215		1274443	1251786
6.258		5439	3613
6.295		6028	6662
6.417		10645560	10381070
6.516		3719	1606
6.566	DCB	1880864	2012629
6.623		6970	6075
6.836		5000	5002
6.873		4547	4352
7.197		805	540
8.062		1241	2334
8.347		731	695
8.509		7793	17770
8.584		963	608

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:33:23 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.026.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.035		3944	5633
2.078		29665	27257
2.128		19810	61498
2.16		6406	8217
2.218		4670	6624
2.273		7038	8903
2.307		2625	1992
2.332		6390	7776
2.456		23034	88014
2.469		31796	26652
2.638		4985	7865
2.758		3203	19427
2.817		13668	9677
2.841		3256	1765
2.956		1834	1533
2.999		18922	15835
3.026		22030	13918
3.07		1051	293
3.089		1742	559
3.106		8356	7984
3.145		23610	18712
3.166		1923	606
3.186		1449	1042
3.198		4929	3057
3.23		5066	3243
3.247		25270	49723
3.294		15169	12722
3.303		25367	10127
3.336		26187	18621
3.371		6260	3819
3.409		32159	21467
3.446		37659	23881
3.469		37614	21690
3.487		7929	3798
3.571		61393	104118
3.593		16834	9197
3.614		13117	7442
3.643		11123	6635
3.659		40499	23327
3.699		20257	12886
3.745		4021	2912
3.763		46956	27804
3.788		109666	76442
3.811		68593	42005
3.85		35335	26923
3.884		18057	11161
3.917		64167	45742
3.943		34800	20207
3.977		17546	17287
4.013		34860	29001
4.056		17065	36087
4.078		26915	18908
4.109		13128	9411
4.137		44160	40705

RT B	Compound B	Height B	Area B
4.212		5474	2724
4.226		25012	15648
4.263		21083	26427
4.317		7953	7638
4.334		12778	7856
4.36		53593	44609
4.458		198534	167661
4.505		59377	48345
4.55		109617	112331
4.586		21400	17650
4.615		2219786	1902599
4.653		177189	139786
4.749		133699	112129
4.797		2919476	2575719
4.862		772312	723035
4.921		52284	64512
4.99		1328659	1237161
5.062		797373	805673
5.142		13312	10502
5.184		72357	48219
5.206		11932900	10522960
5.256		12074070	10736740
5.407		10774760	9415698
5.476		2760746	2572598
5.525		284490	252092
5.635		4592487	4044550
5.666		20373	12307
5.728		3678	3472
5.759		29743	34562
5.837		37313370	32808500
5.995	DCB	7391085	6840488
6.169		43240	41873
6.222		8216	12820
6.333		25181	27772
6.478		21792	47427
7.571		2482	3545
7.67		2482	2713
7.791		2195	1959
7.826		10825	16628
8.006		11480	18749
8.337		3309	7063

AR6831724B AAAR683AA ICAL 1727799999 10736 SW-846 8082

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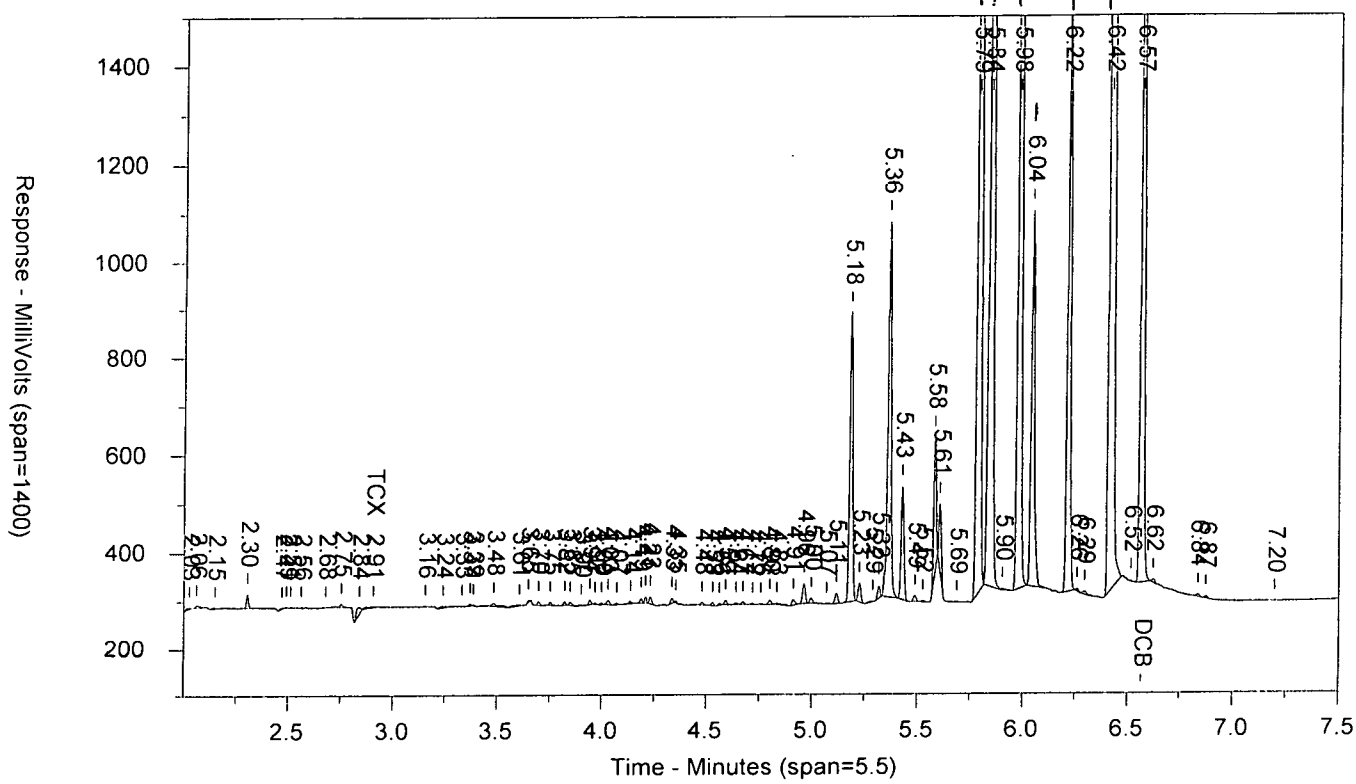

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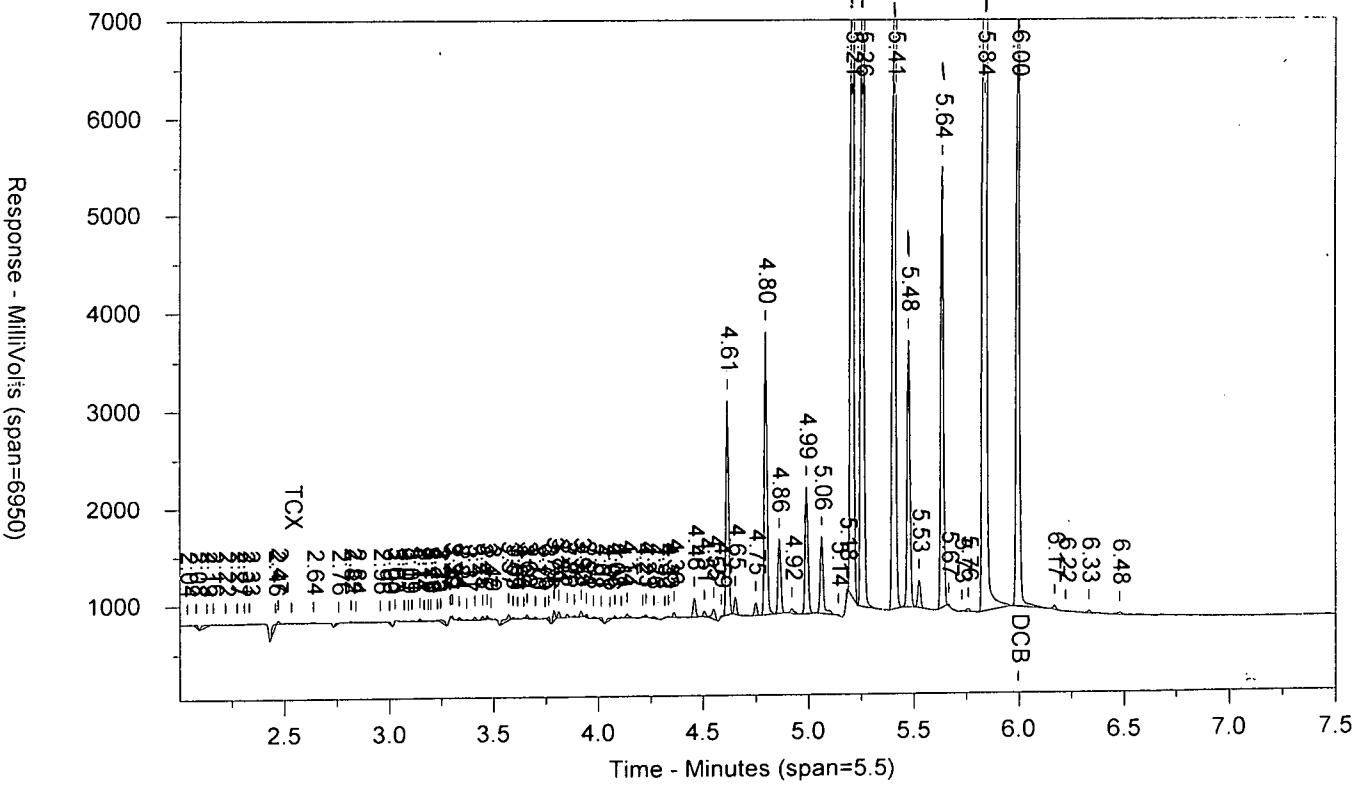

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:33:23 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.906	1717	.009	TCX		0		TCX
6.566	1880864	13.942	DCB	5.995	7391085	14.461	DCB

Files:
Area File: 20PCBS17278001.026.RAW
Area File: 20PCBS17278001B.026.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 2:42:07 AM
File Reported On: 10/6/2017 at 2:42:17 AM

AR6831724B AAAR683AA ICAL 1727799999 10736 SW-846 8082

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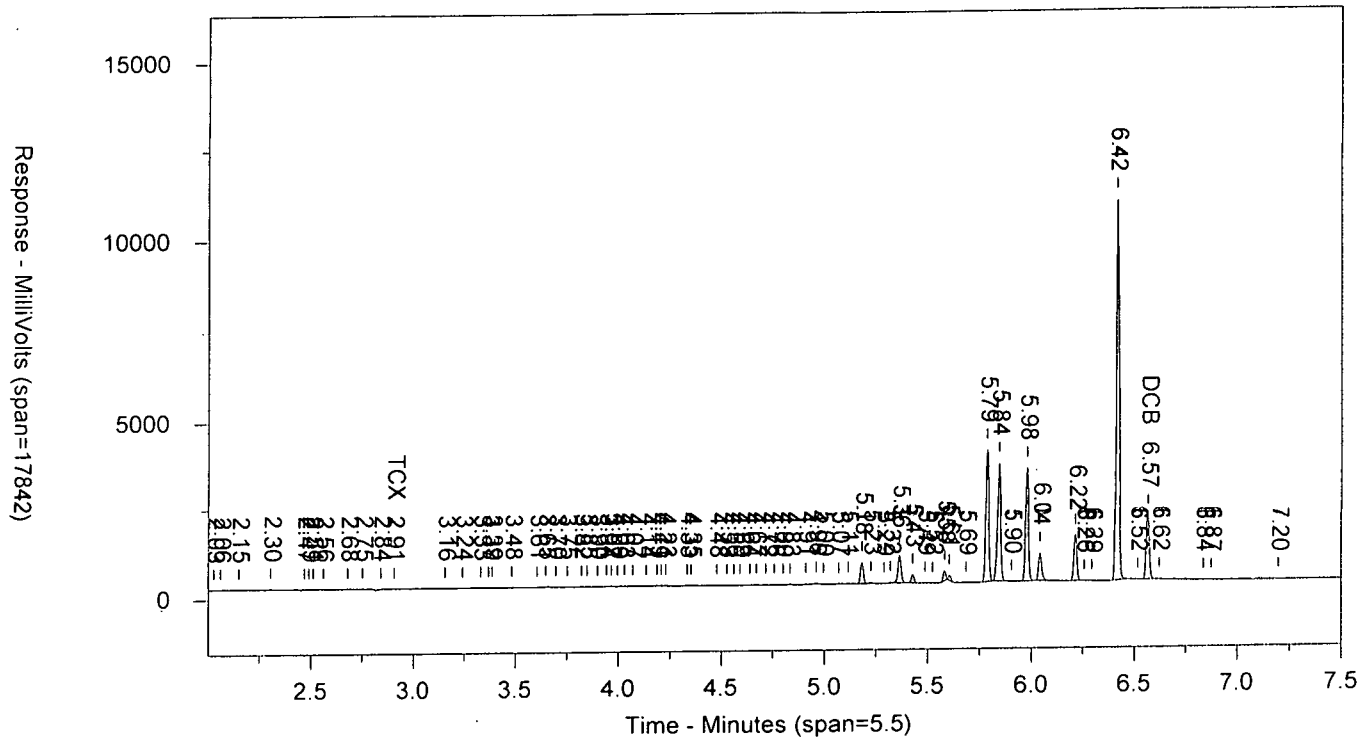

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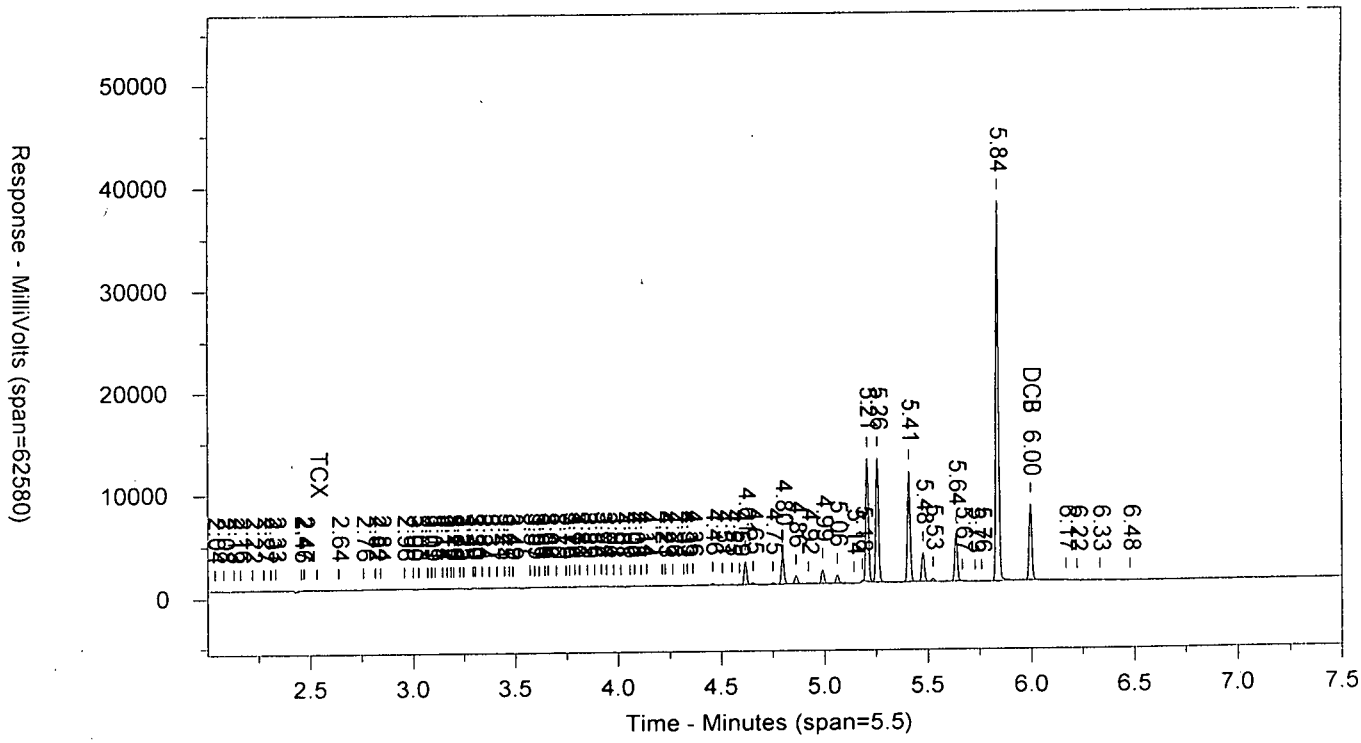

AR6831724B AAAR683AA ICAL 1727799999 10736 SW-846 8082

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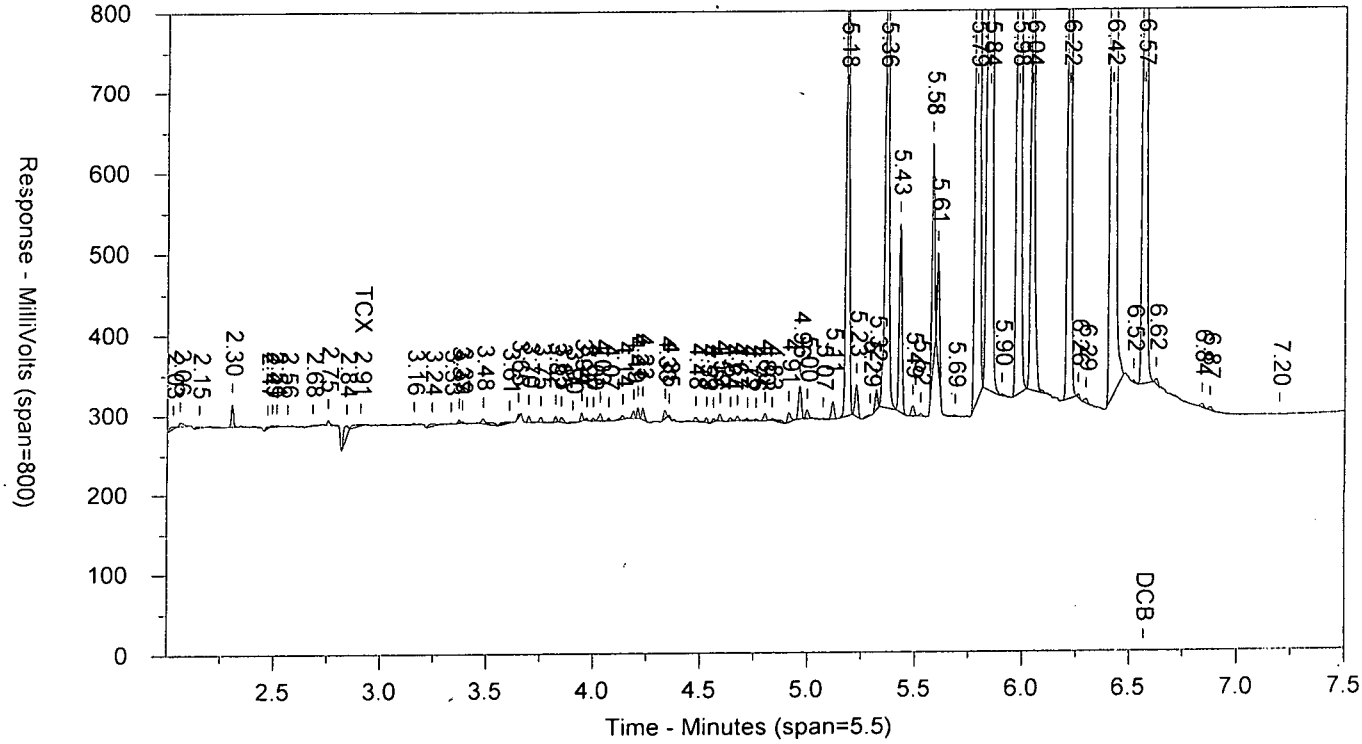

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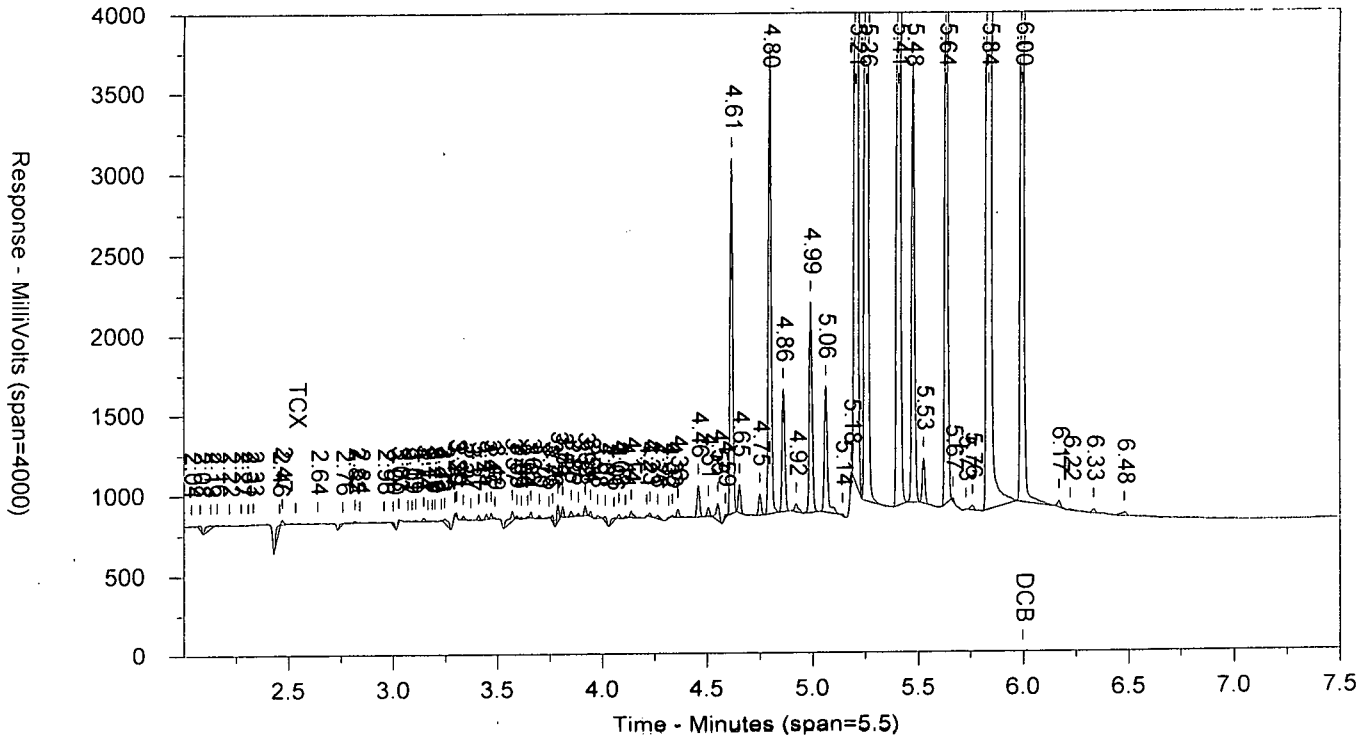

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:44:45 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.027.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.031		3328	8657
2.066		5009	11649
2.135		975	1299
2.206		38609	34711
2.305		19952	22120
2.402		1772	7209
2.51		2209	11348
2.543		240171	169973
2.686		716	990
2.752		4800	3394
2.78		3705	9458
2.817		25487	12244
2.841		3854	3010
2.903	TCX	7915209	5468119
3.003		2502	1546
3.052		305459	247799
3.107		265472	223398
3.154		870804	599767
3.229		17680	11370
3.246		4495	2727
3.287		975	769
3.368		42879	23809
3.389		39754	47534
3.421		5225	2289
3.448		98108	67441
3.482		57820	42073
3.538		22825	15104
3.558		3637	2136
3.591		13426	7427
3.605		13579	7187
3.63		4256	2262
3.648		14913	9644
3.659		52473	27250
3.695		75423	54826
3.752		47986	36983
3.793		1160	721
3.82		21042	15215
3.847		11582	11330
3.886		1931	2123
3.942		18698	13291
3.967		5991	4063
3.996		4456	2824
4.031		24884	21515
4.07		4139	3316
4.135		4129	4435
4.188		27065	18603
4.207		14501	8458
4.23		16473	13977
4.298		5491	4779
4.341		28145	38508
4.376		8176	5298
4.414		3891	3392
4.442		4633	4116
4.479		9623	7795

RT A	Compound A	Height A	Area A
4.527		19202	15581
4.559		6995	5721
4.589		32824	28787
4.634		4712	4652
4.672		4735	3784
4.713		11764	11041
4.757		2128	1969
4.799		20084	19110
4.83		1419	948
4.858		3198	5540
4.912		5196	4504
4.951		4453	4566
4.997		13657	13986
5.046		1538	1368
5.076		2864	3329
5.116		18531	18606
5.181		2335	2287
5.222		4336	5436
5.292		2798	6978
5.322		3808	2964
5.379		17677	33355
5.48		1414	1220
5.519		2357	4084
5.578		2117	1452
5.604		5374	5665
5.786		4279	4848
5.928		1950	5192
5.978		25033	25558
6.042		21967	23924
6.154		1956	2064
6.212		2271	2355
6.416		47084	48752
6.564	DCB	5489477	5509085
6.684		1740	1139
6.702		4520	2623
6.764		2137	1435
6.832		4895	5384
7.007		4237	4883
7.489		1019	1609
7.721		740	1590
7.875		1713	5293
8.511		7170	16879

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:44:45 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.027.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.074		35607	50952
2.125		15023	52579
2.157		4975	6693
2.218		714518	532690
2.331		6852	10550
2.376		2650	2401
2.469		55519	224054
2.489		231796	149791
2.532	TCX	23814610	14613550
2.575		278491	227629
2.627		2309	872
2.704		1239168	875457
2.749		274033	135298
2.765		761646	430630
2.816		2825819	1827103
2.865		84407	54115
2.928		23213	12547
2.975		3063	2070
3.002		36739	24131
3.024		131501	65197
3.035		24942	8431
3.043		61281	21693
3.065		113029	82591
3.095		22744	12935
3.121		368717	224178
3.145		231497	142522
3.181		21625	12570
3.208		104687	57563
3.228		68343	33393
3.244		81201	77375
3.294		67684	35524
3.302		225083	100314
3.336		252003	200853
3.408		228199	150260
3.445		99250	62666
3.468		63019	35219
3.485		14739	6821
3.571		98954	140653
3.592		31030	16935
3.612		16307	9981
3.642		11990	6562
3.659		109403	67862
3.697		22383	13644
3.748		13123	7210
3.761		43877	21216
3.786		220156	150390
3.81		66809	38888
3.829		12472	5416
3.85		54250	37240
3.884		120435	87705
3.915		65603	36914
3.93		17984	23660
3.974		28104	31582
4.017		31761	19749

RT B	Compound B	Height B	Area B
4.052		28491	41842
4.078		97553	69467
4.11		27229	20535
4.137		166981	122794
4.174		10934	9510
4.226		83215	68916
4.262		14517	15389
4.293		20182	10264
4.318		23913	21526
4.36		54556	43500
4.454		45292	45147
4.487		4395	1735
4.506		51482	43456
4.542		37127	68658
4.584		93456	89476
4.616		7357	7555
4.65		7272	9104
4.739		4574	6014
4.8		14374	10105
4.82		23092	40575
4.905		21245	65546
4.937		8674	7089
4.969		7698	6433
4.991		18741	19592
5.063		15807	12160
5.098		28490	57581
5.183		15551	18205
5.208		9636	8586
5.249		16806	16232
5.293		5195	10948
5.407		121375	120487
5.475		101371	106457
5.526		9641	8549
5.636		7014	5953
5.67		5950	13553
5.751		6316	18340
5.789		6157	4889
5.835		221352	194239
5.864		5500	3838
5.888		4714	3696
5.994	DCB	19060080	17636420
6.211		4747	13926
6.323		6847	33501
6.449		21111	19712
6.479		12877	11601
6.62		6402	6857
6.904		2346	2135
7.125		1691	809
7.684		2294	4359
7.749		2269	3297
7.828		10562	20863
7.916		2416	1504
8.004		10197	17547
8.129		1699	468
8.199		1550	1126
8.341		3411	7616

AR2131724A AAAR213AA ICAL 1727799999 10736 SW-846 8082

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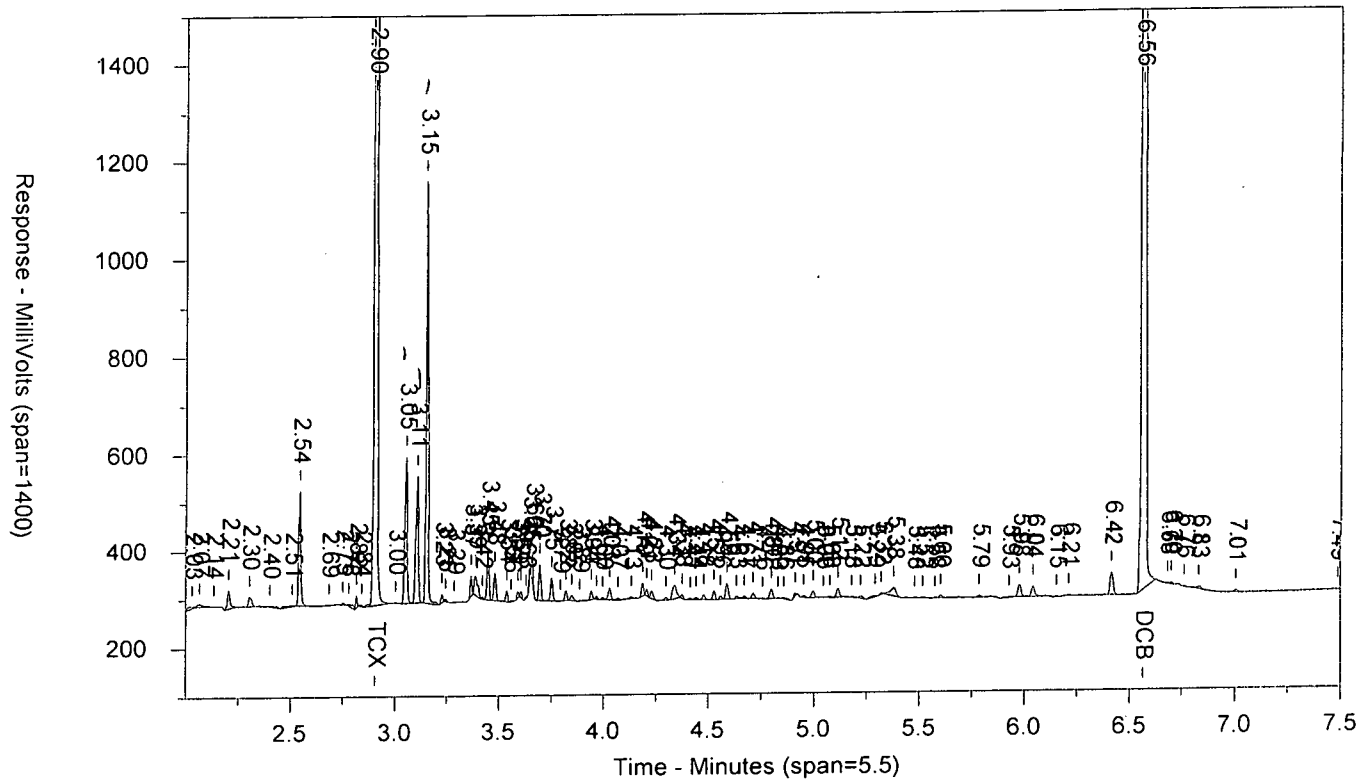

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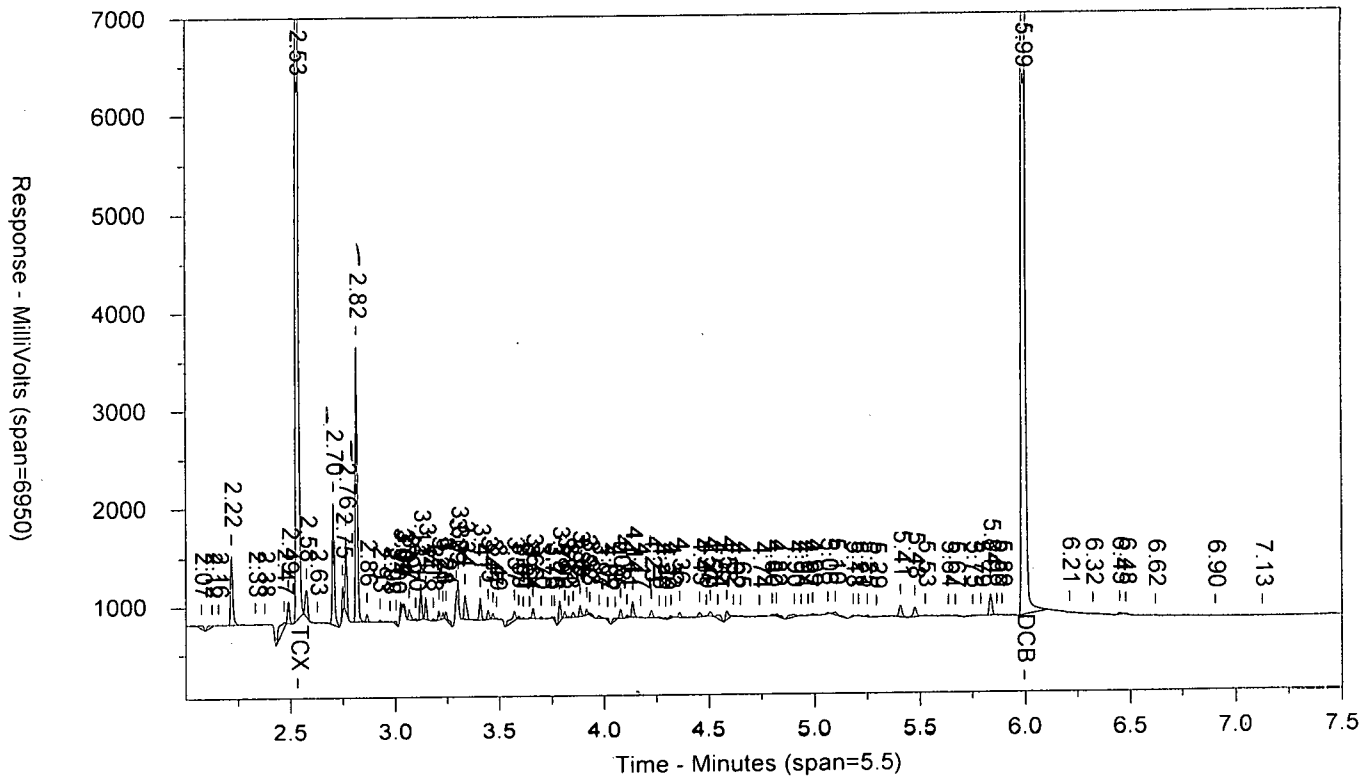

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:44:45 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	7915209	40.371	TCX	2.532	23814610	40.34	TCX
6.564	5489477	40.69	DCB	5.994	19060080	37.291	DCB

Files:
Area File: 20PCBS17278001.027.RAW
Area File: 20PCBS17278001B.027.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 2:53:28 AM
File Reported On: 10/6/2017 at 2:53:35 AM

AR2131724A AAAR213AA ICAL 1727799999 10736 SW-846 8082

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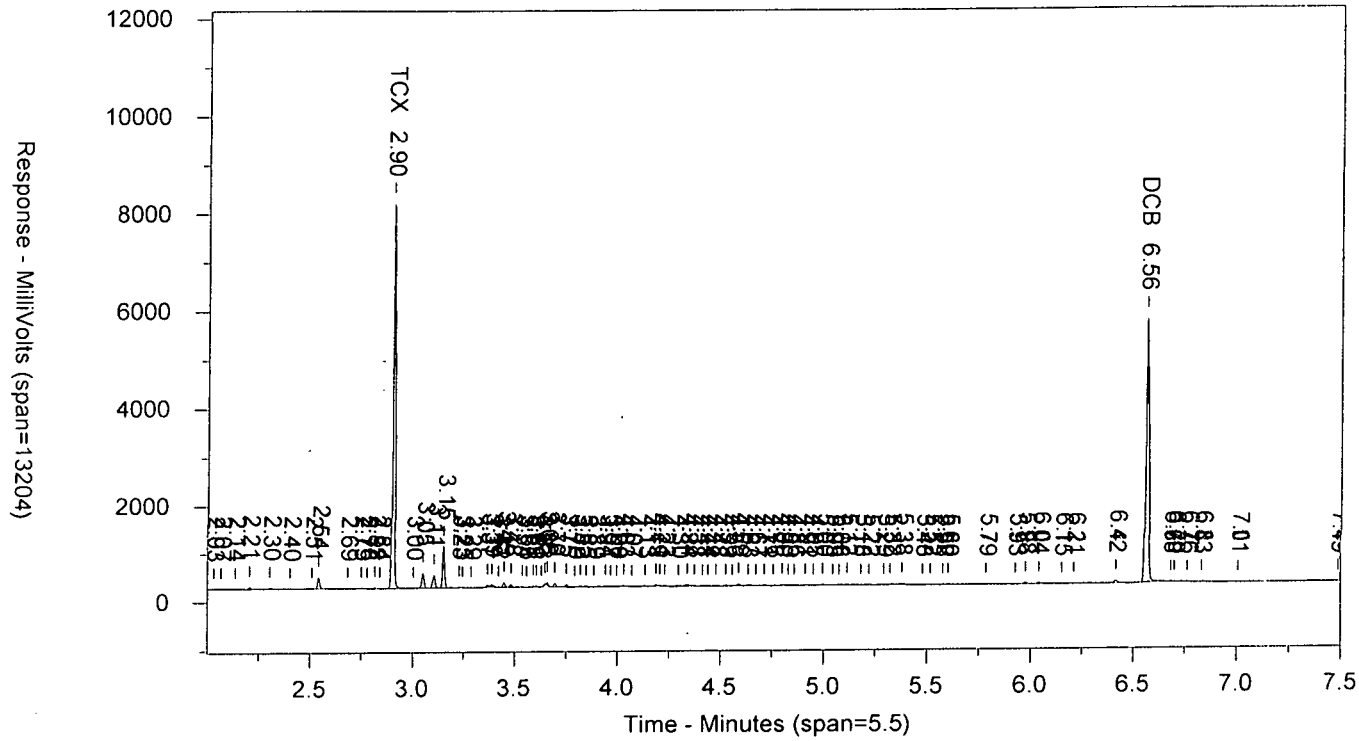

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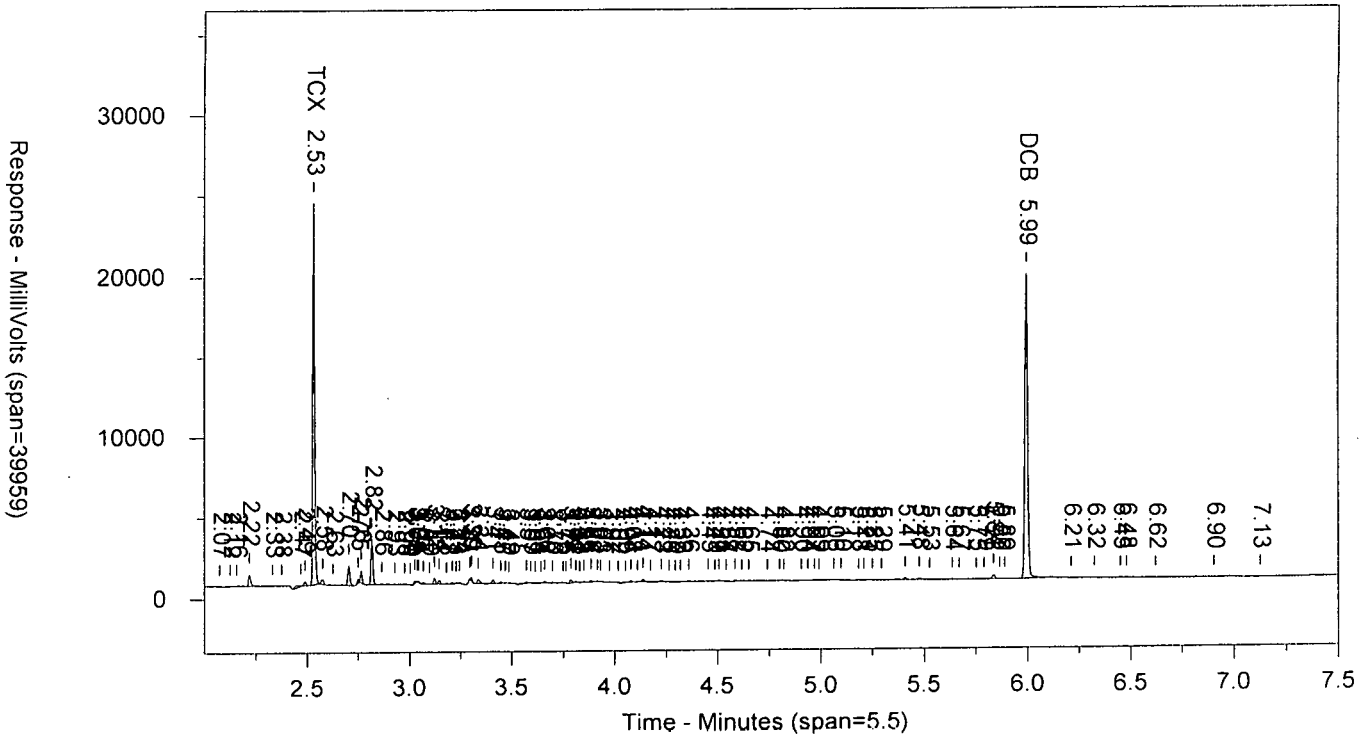

AR2131724A AAAR213AA ICAL 1727799999 10736 SW-846 8082

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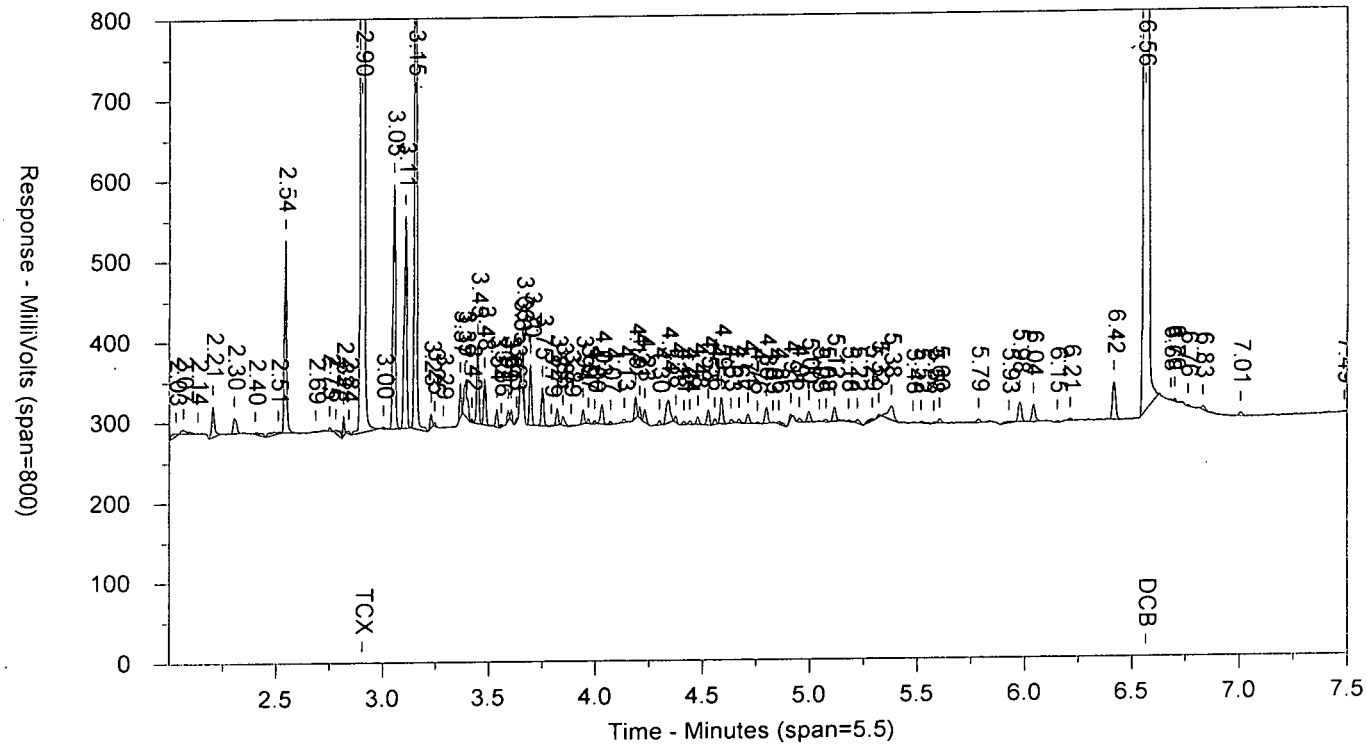

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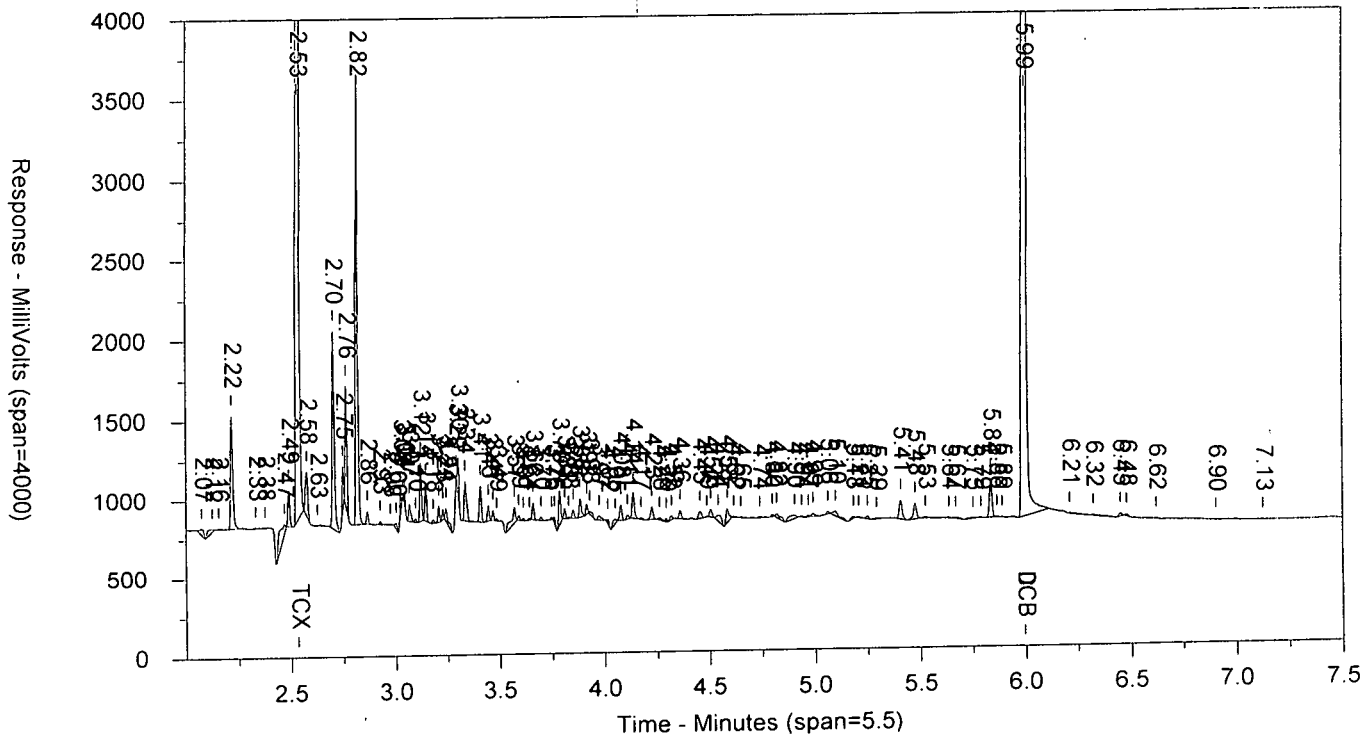

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:56:15 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.028.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.028		2782	5852
2.06		4657	10944
2.205		34406	32728
2.305		16942	19723
2.41		1392	2251
2.465		1817	1481
2.49		1033	694
2.513		5644	3886
2.543		139639	99859
2.68		1184	2248
2.715		1294	1819
2.752		2636	1933
2.817		7994	3067
2.842		5223	7430
2.904	TCX	7814914	5169582
3.004		2498	1966
3.052		221127	182773
3.107		208628	186949
3.154		742365	521540
3.229		12739	7202
3.247		33273	20309
3.289		1546	1128
3.368		296191	180162
3.385		146783	79611
3.422		34495	18800
3.449		70320	51714
3.482		361971	267039
3.521		1317	701
3.539		19127	11461
3.557		12014	7156
3.591		81900	44872
3.606		40737	20536
3.649		169200	86721
3.659		346449	172656
3.696		435934	320389
3.752		354439	260554
3.793		25557	17635
3.821		211989	153136
3.848		167679	131728
3.869		40871	20524
3.943		249524	176431
3.967		91324	57689
3.997		99013	67565
4.031		281669	255214
4.07		84420	64216
4.116		13816	10182
4.155		20730	14240
4.187		159442	108866
4.207		213160	135831
4.23		269093	196122
4.286		5432	3323
4.333		158866	120875
4.354		90948	53399
4.375		26882	15864

RT A	Compound A	Height A	Area A
4.416		4237	3300
4.44		8243	7072
4.479		36692	31953
4.529		55311	46070
4.56		31782	23743
4.59		88181	73068
4.637		5232	4491
4.671		43083	40346
4.713		10251	11613
4.759		8346	8063
4.8		56210	54288
4.877		4802	5944
4.912		11624	15332
4.952		4815	4923
4.996		56353	56918
5.045		1800	1297
5.075		2385	2407
5.116		17497	18269
5.183		4652	4125
5.224		6591	6777
5.293		1353	2776
5.322		3394	2661
5.345		3466	2149
5.381		14142	20745
5.482		1599	1287
5.522		2632	3033
5.58		11562	9211
5.605		3167	2202
5.689		1598	1810
5.787		8447	8310
5.928		719	700
5.978		26129	25465
6.042		20561	22797
6.156		1344	1727
6.212		4117	4247
6.387		1189	664
6.417		45627	47389
6.516		1114	1060
6.564	DCB	5345133	5265022
6.69		2607	8197
6.836		4560	5526
7.007		4318	4937
7.499		1045	1306
7.694		668	937
7.836		795	864
8.167		953	2247
8.507		7137	15068

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:56:15 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.028.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.074		23502	33616
2.121		26378	47271
2.156		6011	8696
2.218		457235	338146
2.33		20569	20680
2.469		46037	220023
2.489		141855	87490
2.532	TCX	22416240	13817950
2.576		234945	186102
2.705		938020	653033
2.75		275442	136400
2.765		609771	339869
2.817		2474497	1609122
2.865		81001	57111
2.927		145944	94941
2.98		3463	1529
3.003		13451	7039
3.024		790970	393879
3.035		246411	88467
3.075		179803	134540
3.095		80673	44214
3.121		281112	159794
3.145		1290228	876310
3.182		65200	38220
3.209		104287	55464
3.229		336919	178672
3.244		215426	106307
3.294		519383	268006
3.302		1238109	529050
3.323		35681	13394
3.336		1313066	932395
3.409		1379615	899677
3.446		815265	525637
3.468		904474	515464
3.486		307309	156125
3.571		1080253	718895
3.593		431529	237362
3.614		415948	246480
3.642		273494	142979
3.659		986255	620958
3.698		395074	281827
3.745		70934	43187
3.765		664046	398606
3.787		1246524	794584
3.811		1129013	711494
3.83		41666	16968
3.851		71381	39655
3.868		31100	13894
3.885		245689	152794
3.917		788393	531291
3.943		578696	342167
3.975		13894	7743
3.99		28856	15108
4.023		138138	98502

RT B	Compound B	Height B	Area B
4.052		21735	17743
4.078		289290	210577
4.11		164437	118222
4.137		406261	299049
4.176		10385	9449
4.212		42287	21373
4.227		149151	96141
4.262		48128	33751
4.294		208998	149015
4.318		15259	11138
4.36		48640	31406
4.383		23171	13647
4.414		16794	13974
4.458		47671	50578
4.505		265832	222743
4.546		27263	41861
4.584		86383	77009
4.616		17437	12745
4.653		14122	14451
4.737		2612	2742
4.801		34430	26972
4.822		12978	7720
4.875		10708	10649
4.903		10991	8751
4.938		10643	8031
4.969		9583	6660
4.992		52273	48453
5.038		3329	1687
5.063		15880	12547
5.095		23163	31162
5.184		18278	17285
5.208		11705	12604
5.25		36147	35530
5.284		5200	6374
5.363		5778	8384
5.407		114338	108280
5.476		90937	88384
5.526		13857	16170
5.636		15872	27063
5.734		2673	4058
5.79		5371	3926
5.836		205254	180899
5.866		6548	3783
5.89		4100	3367
5.994	DCB	18419510	16740830
6.078		5624	2474
6.376		4904	8375
6.448		20364	17254
6.481		14245	11669
6.618		4790	4820
6.908		2353	2029
7.15		2139	1286
7.317		2347	2393
7.571		1927	1011
7.674		1733	1322
7.733		2282	3713
7.826		10358	20056
8.004		10549	18047
8.329		2361	2942
8.386		2002	1388
8.465		1561	2305
8.536		1174	1599

AR3241724A AAAR324AA ICAL 1727799999 10736 SW-846 8082

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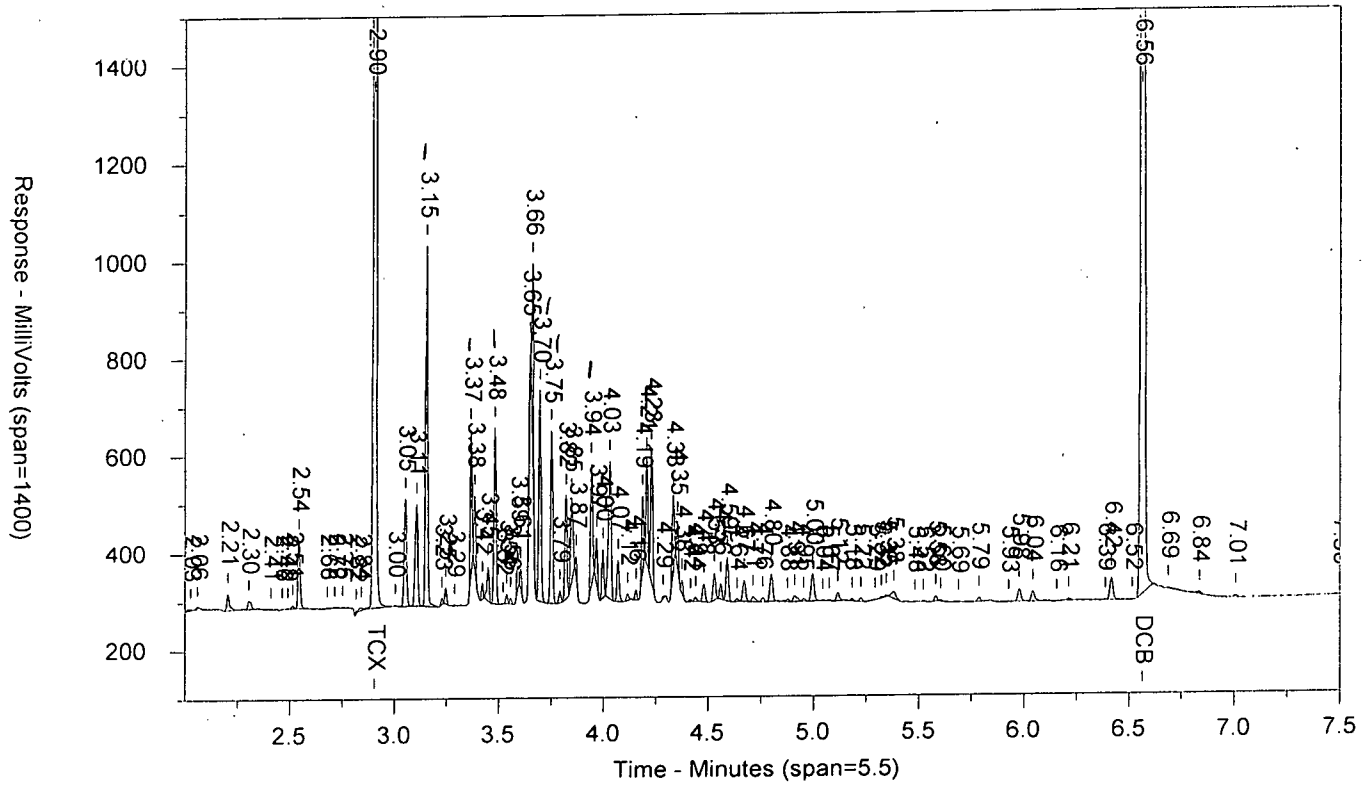

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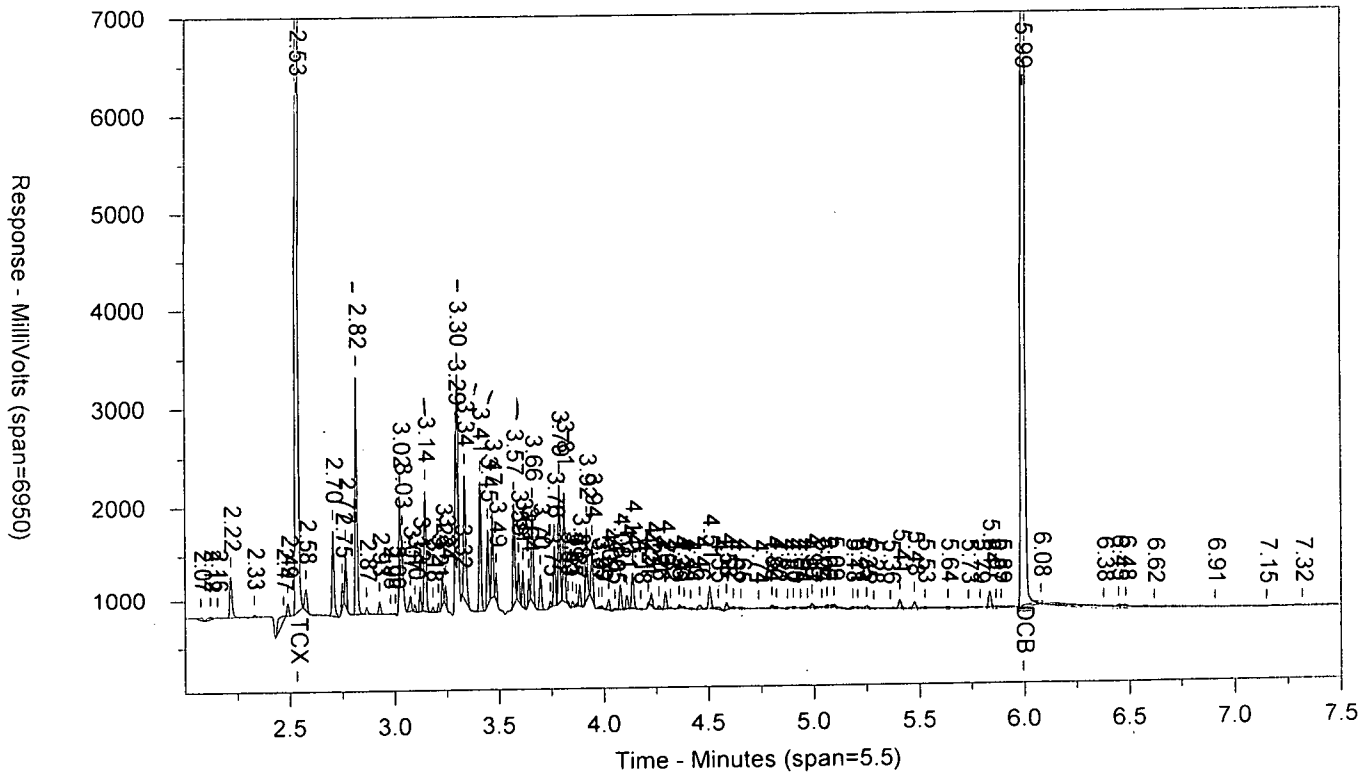

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 2:56:15 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	7814914	39.859	TCX	2.532	22416240	37.971	TCX
6.564	5345133	39.621	DCB	5.994	18419510	36.038	DCB

Files:
Area File: 20PCBS17278001.028.RAW
Area File: 20PCBS17278001B.028.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 3:04:57 AM
File Reported On: 10/6/2017 at 3:05:05 AM

AR3241724A AAAR324AA ICAL 1727799999 10736 SW-846 8082

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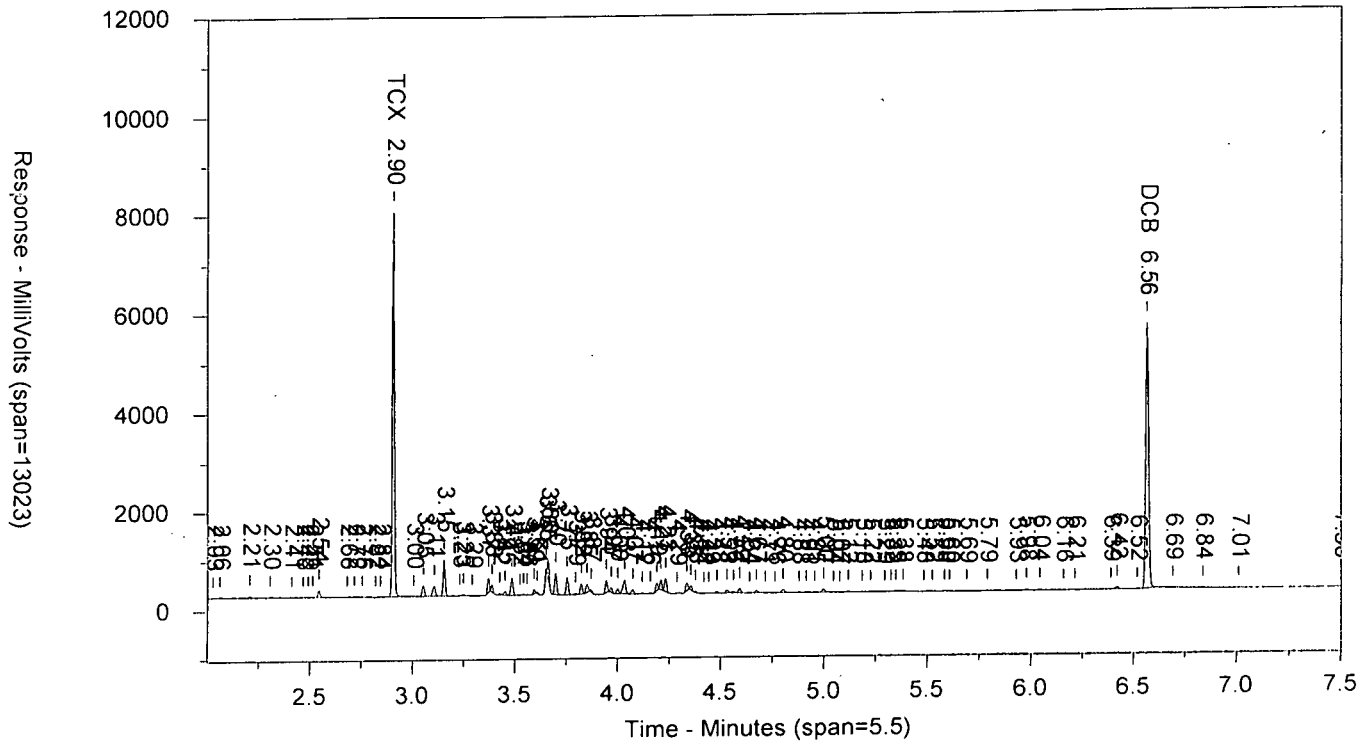

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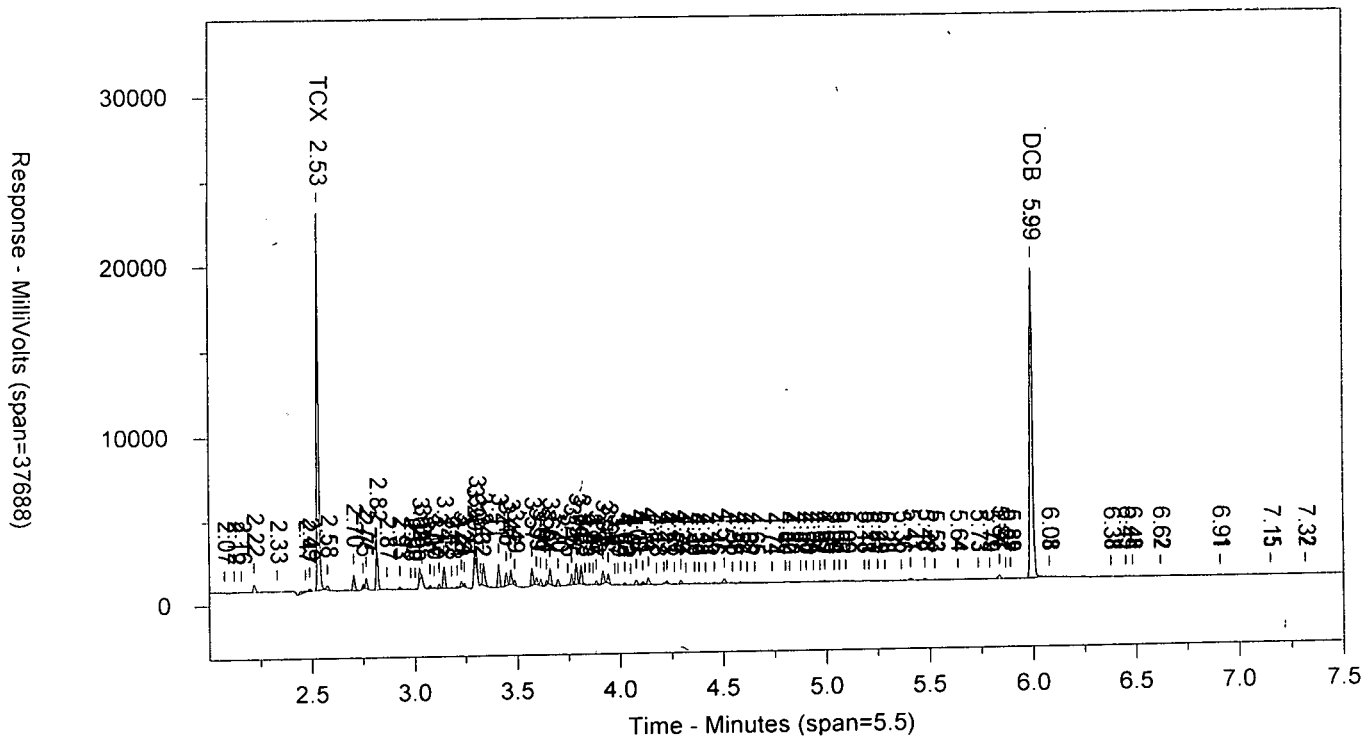

AR3241724A AAAR324AA ICAL 1727799999 10736 SW-846 8082

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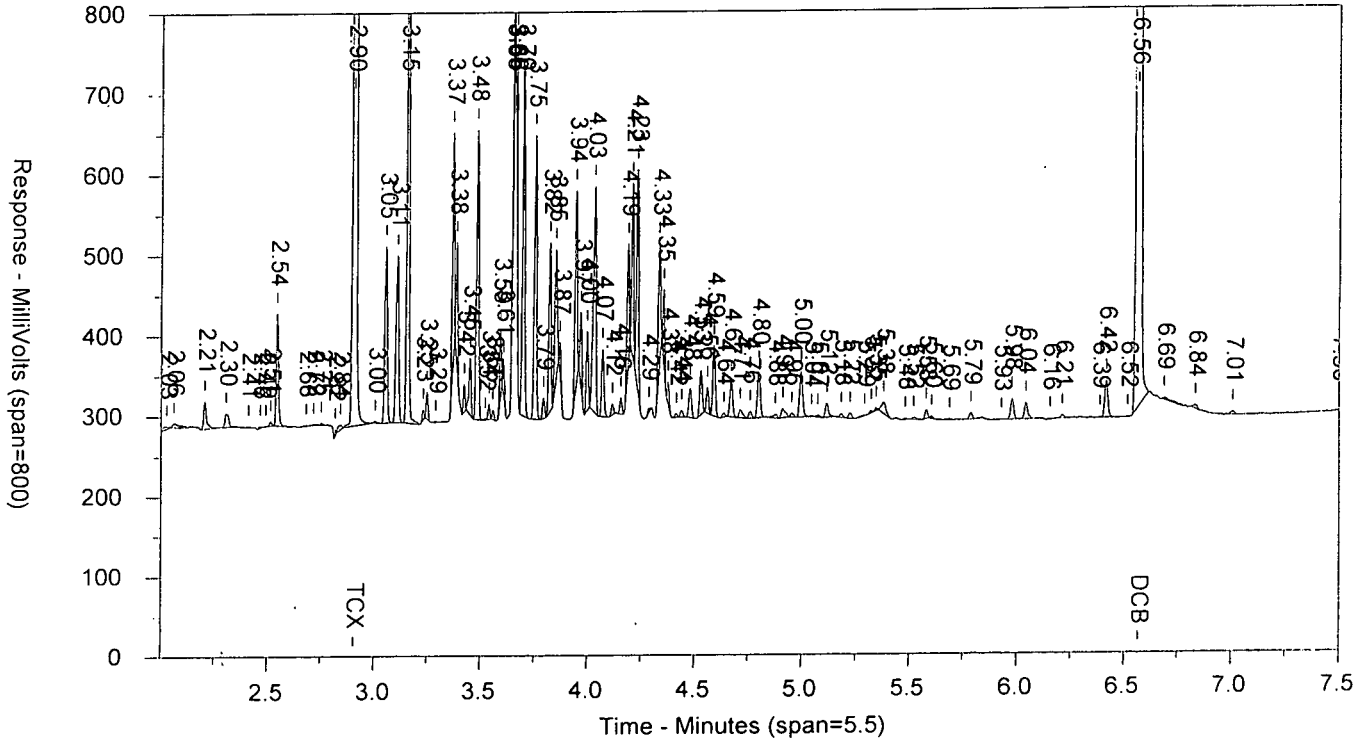

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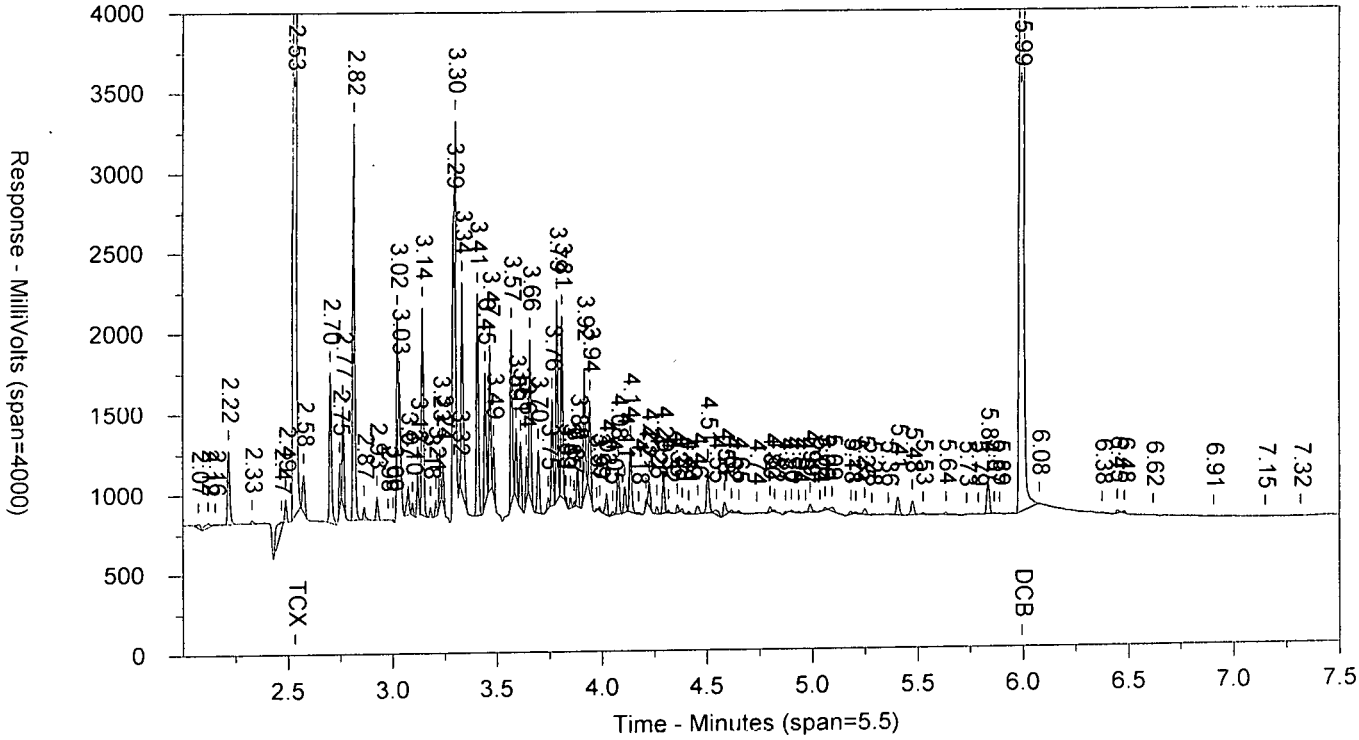

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:07:44 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.029.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.023		8332	10118
2.062		4176	7155
2.205		59205	45174
2.274		1058	1181
2.312		26295	32474
2.406		3467	10937
2.468		2082	2814
2.492		1635	958
2.513		2764	2090
2.544		12048	10209
2.627		2708	2077
2.714		2740	3386
2.753		5555	50493
2.839		15536	24112
2.904	TCX	14512450	9631819
3.002		4252	2565
3.052		164161	143259
3.106		231842	232006
3.154		904228	647174
3.23		21521	12466
3.247		106722	68159
3.287		2485	1891
3.368		948171	560753
3.385		441723	230277
3.422		101233	58854
3.437		16874	5960
3.449		56338	28136
3.482		1122435	813805
3.519		4125	2026
3.538		42052	25416
3.557		33839	21166
3.591		242182	134826
3.605		120209	57940
3.648		592213	324198
3.659		1072829	533729
3.695		1396787	982400
3.752		1162070	831546
3.792		83437	59947
3.82		738751	530319
3.847		583435	470849
3.868		99832	51252
3.942		890719	612733
3.966		314074	196617
3.996		326320	227301
4.03		938065	870158
4.069		274679	215325
4.116		53068	42078
4.155		76105	55398
4.186		585003	393597
4.207		646983	407940
4.229		969823	688712
4.286		13003	8877
4.298		28384	16389
4.334		589957	438466

RT A	Compound A	Height A	Area A
4.353		282412	168239
4.375		119127	75841
4.414		7952	5437
4.437		34033	26454
4.478		149348	134892
4.528		215364	174771
4.559		140509	101457
4.589		358006	303153
4.636		3924	2456
4.67		161160	153160
4.714		24750	31869
4.759		42072	36866
4.8		267774	245191
4.878		31860	40970
4.912		11821	10350
4.951		8627	7254
4.995		256946	246247
5.044		7056	5564
5.073		7839	9551
5.115		64972	58922
5.138		4430	2126
5.223		6783	9676
5.29		8823	20371
5.322		25795	22990
5.345		4307	2597
5.379		14167	18445
5.481		2626	2241
5.521		17199	15848
5.547		5046	5226
5.606		12724	21322
5.683		2145	2433
5.787		6928	6495
5.953		535	11457
5.978		44276	44810
6.042		37917	43049
6.183		1492	1067
6.216		2412	3013
6.416		83977	90040
6.565	DCB	9615531	9706487
6.638		1984	1013
6.688		3042	5520
6.793		2541	2898
6.836		5236	4803
7.007		7363	7550
7.111		3836	5025
7.2		1030	1047
7.263		6278	7585
7.336		4783	10092
7.445		1720	2263
7.738		2062	3798
7.817		1812	4307
7.991		706	829
8.184		2745	5767
8.286		7294	15016
8.354		2804	4745
8.506		7298	21394

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:07:44 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.029.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.029		3286	3513
2.073		63418	91469
2.128		25499	104788
2.156		7355	8054
2.219		46120	43319
2.282		10245	10910
2.331		9840	10771
2.388		87852	313364
2.469		40846	199288
2.491		10026	6645
2.532	TCX	42803250	25730370
2.576		237138	155823
2.626		7425	10322
2.704		746724	637025
2.749		516549	271305
2.765		547324	298614
2.817		2956455	1915559
2.865		141782	90424
2.927		408860	273795
3		57706	43476
3.025		1964911	937188
3.034		643864	266701
3.075		485031	300793
3.095		239017	135317
3.121		319922	181237
3.145		3588482	2450923
3.182		184419	110395
3.209		176052	89105
3.229		960751	502045
3.243		578589	271628
3.293		1257433	665387
3.302		3788338	1622551
3.322		113810	43588
3.336		3691363	2562213
3.409		4016696	2602170
3.446		2609240	1660980
3.468		2925192	1615830
3.486		987963	506198
3.571		3352819	2233057
3.593		1323284	726797
3.614		1301483	764982
3.642		861553	446712
3.659		3103093	1888408
3.698		1215548	871685
3.721		11430	3984
3.745		224854	141793
3.763		1810922	1088232
3.787		3824124	2400460
3.81		3552007	2221749
3.829		163545	74238
3.85		203795	109170
3.867		102195	45240
3.884		912011	593937
3.917		2544028	1726121

RT B	Compound B	Height B	Area B
3.943		1744203	1069050
3.974		8158	3331
3.989		139725	89758
4.021		378045	297550
4.054		31458	46180
4.078		1066745	807324
4.109		672282	461674
4.137		1484871	1081294
4.173		25384	23246
4.212		96503	59829
4.227		496805	321024
4.262		202650	152572
4.293		593575	428283
4.317		39174	27578
4.36		107208	66594
4.383		103044	67468
4.453		126679	130957
4.504		1130141	898004
4.542		114305	161136
4.585		309678	344994
4.627		34476	26368
4.653		6190	5313
4.706		4319	3983
4.723		7545	6831
4.767		19229	14385
4.798		9257	5715
4.82		161520	211175
4.904		44445	147350
4.939		11519	8147
4.967		79538	60679
4.991		14109	8421
5.006		14063	8610
5.061		28942	24828
5.097		15323	16539
5.187		14327	37983
5.207		8107	9535
5.248		28889	27954
5.356		5692	9903
5.407		212000	229330
5.476		202826	268536
5.528		19452	25577
5.581		7743	9132
5.633		16246	87099
5.74		33569	75348
5.786		8994	6672
5.836		372435	331736
5.866		7149	4418
5.885		11454	10935
5.994	DCB	35243060	31226820
6.175		18185	27694
6.225		8019	9449
6.25		13302	25832
6.348		11511	7495
6.364		8900	4948
6.401		58453	82261
6.448		36685	33960
6.478		14327	24901
6.547		10359	11426
6.62		13023	18726
6.687		3457	8534
6.724		10210	11614
6.767		6620	7152
6.807		6429	6503
6.849		7022	5862
6.943		6160	7579
6.984		21204	21760

RT B	Compound B	Height B	Area B
7.085		7546	7861
7.119		42604	48058
7.199		3588	5883
7.255		9538	10530
7.294		4790	6585
7.577		1345	2834
7.622		3995	7222
7.727		2243	2289
7.778		1858	2058
7.826		10604	18039
8.004		12159	28322
8.192		1060	1064
8.334		3824	8222
8.503		2992	2289

AR4231724A AAAR423AA ICAL 1727799999 10736 SW-846 8082

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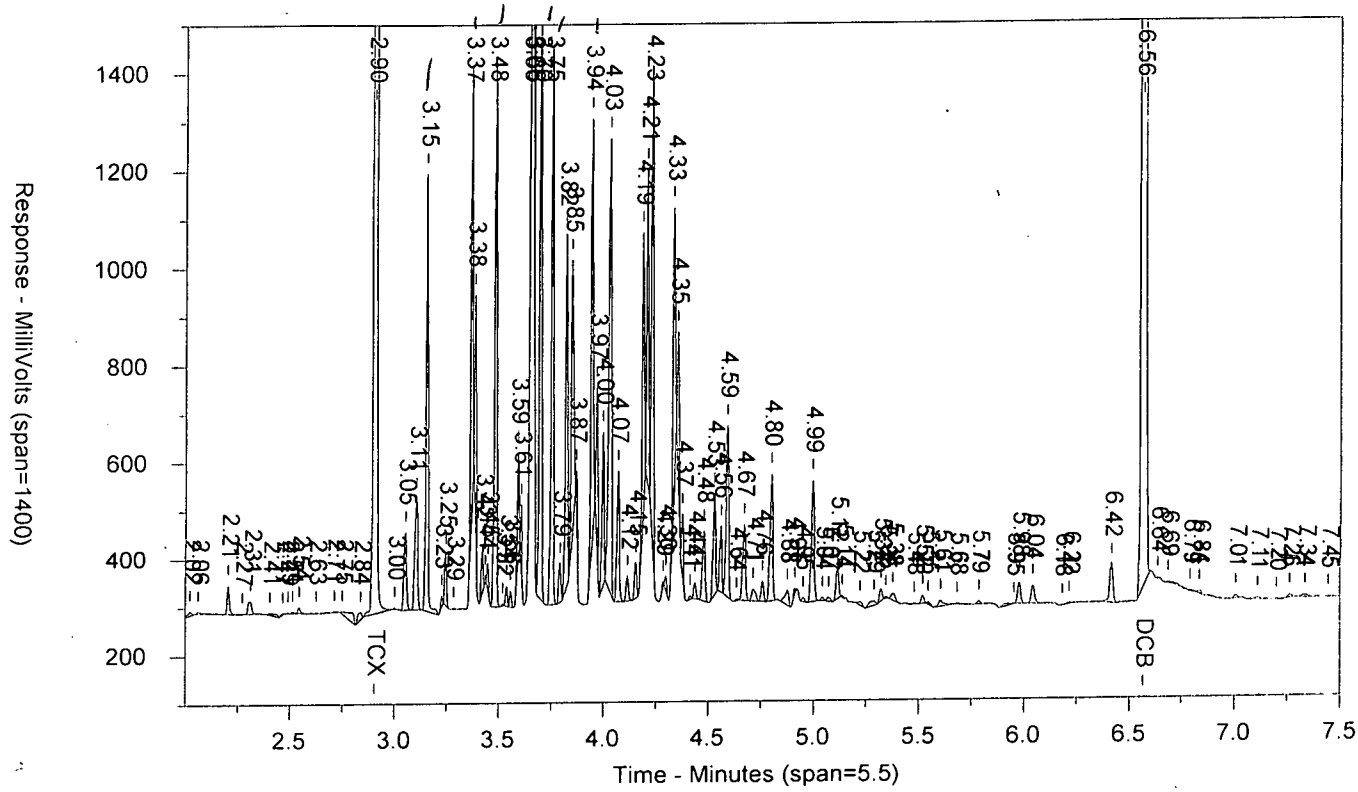

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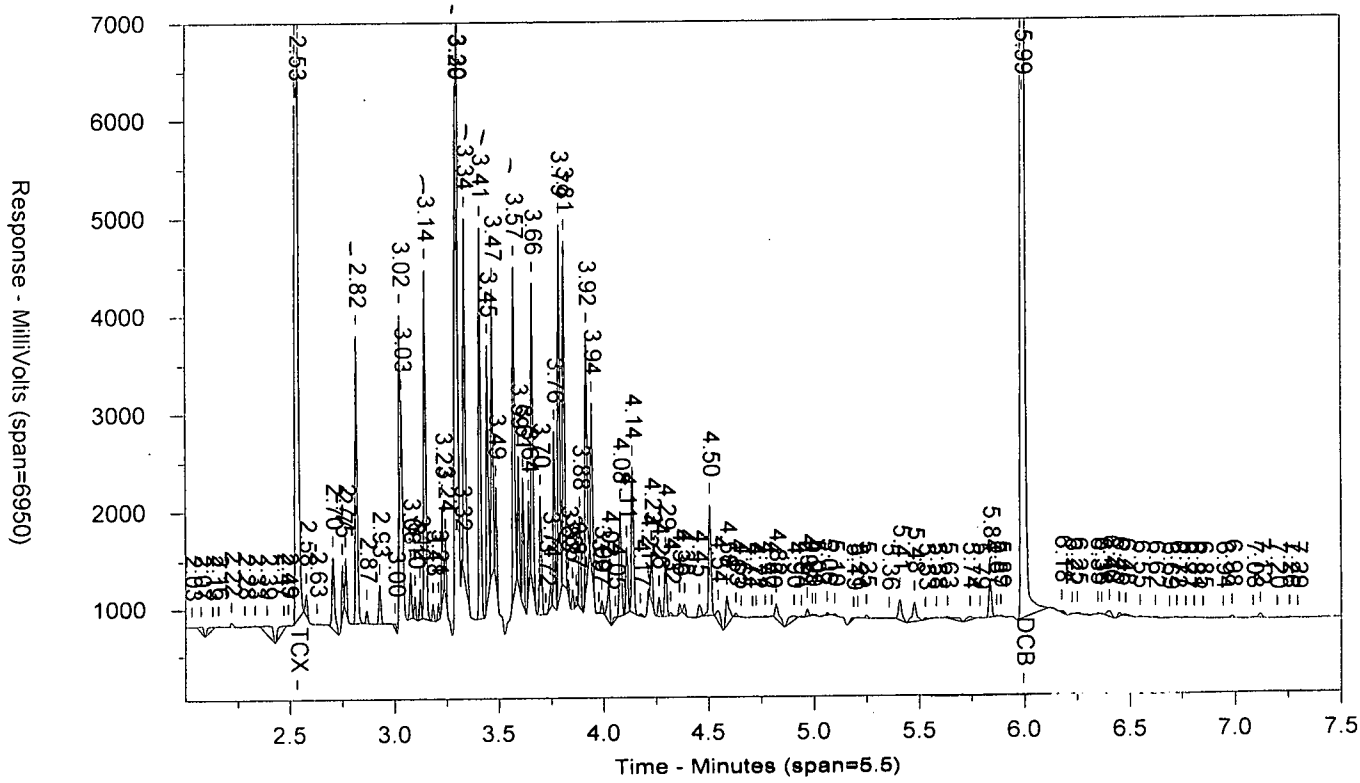

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:07:44 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	14512450	74.02	TCX	2.532	42803250	72.504	TCX
6.565	9615531	71.275	DCB	5.994	35243060	68.953	DCB

Files:
Area File: 20PCBS17278001.029.RAW
Area File: 20PCBS17278001B.029.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 3:16:27 AM
File Reported On: 10/6/2017 at 3:16:34 AM

AR4231724A AAAR423AA ICAL 1727799999 10736 SW-846 8082

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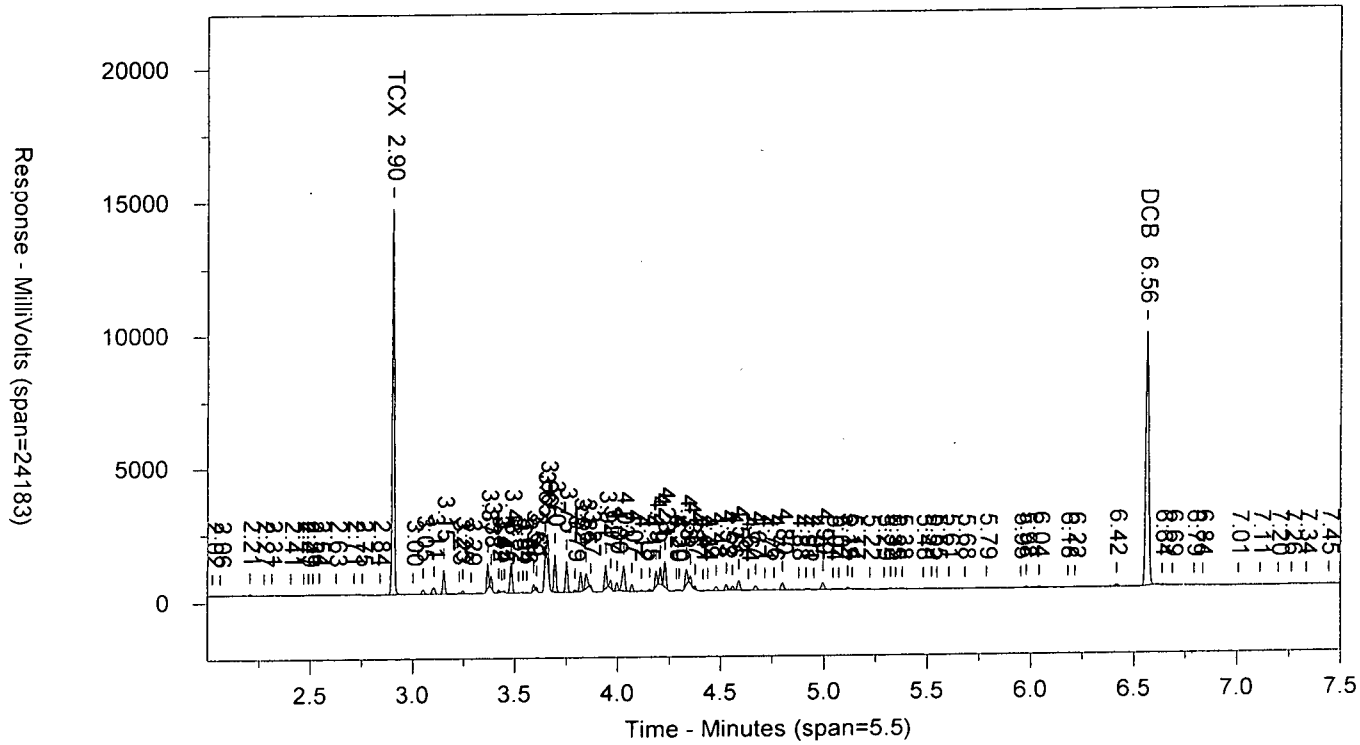

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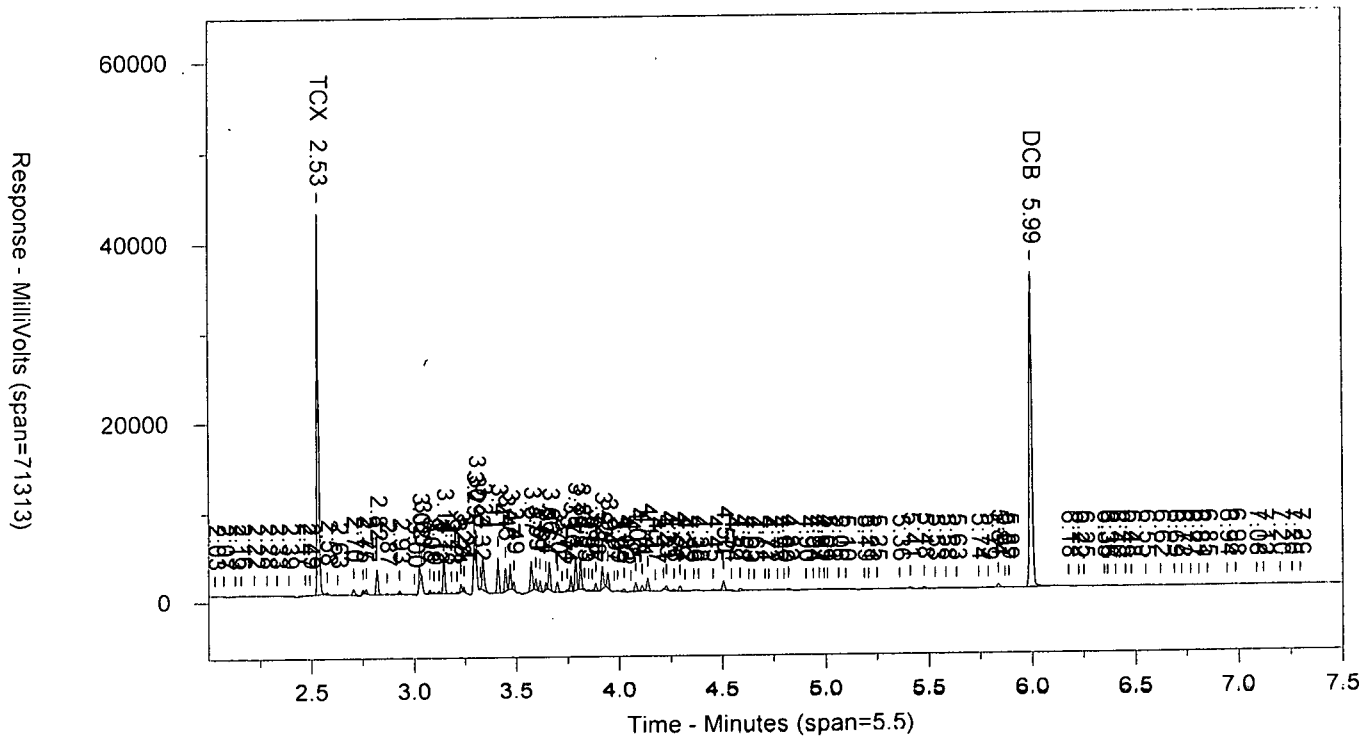

AR4231724A AAAR423AA ICAL 1727799999 10736 **SW-846 8082**

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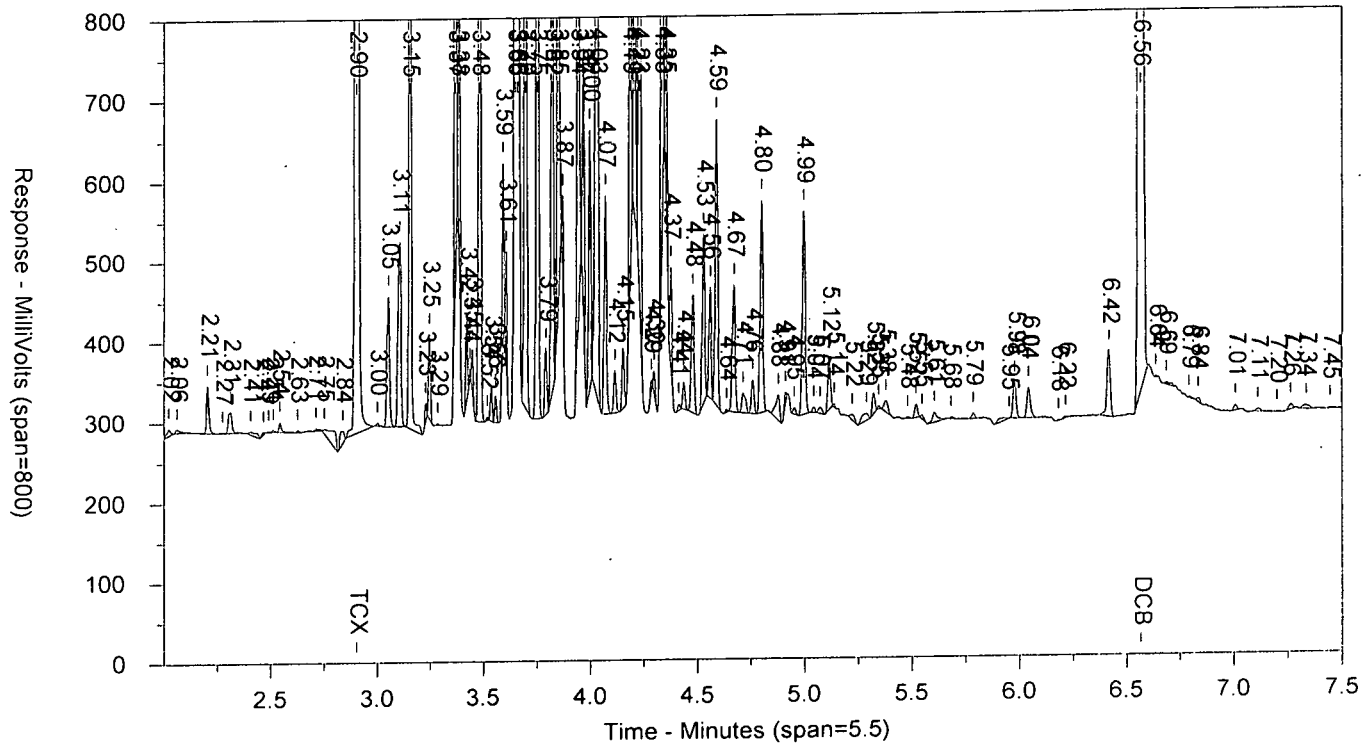

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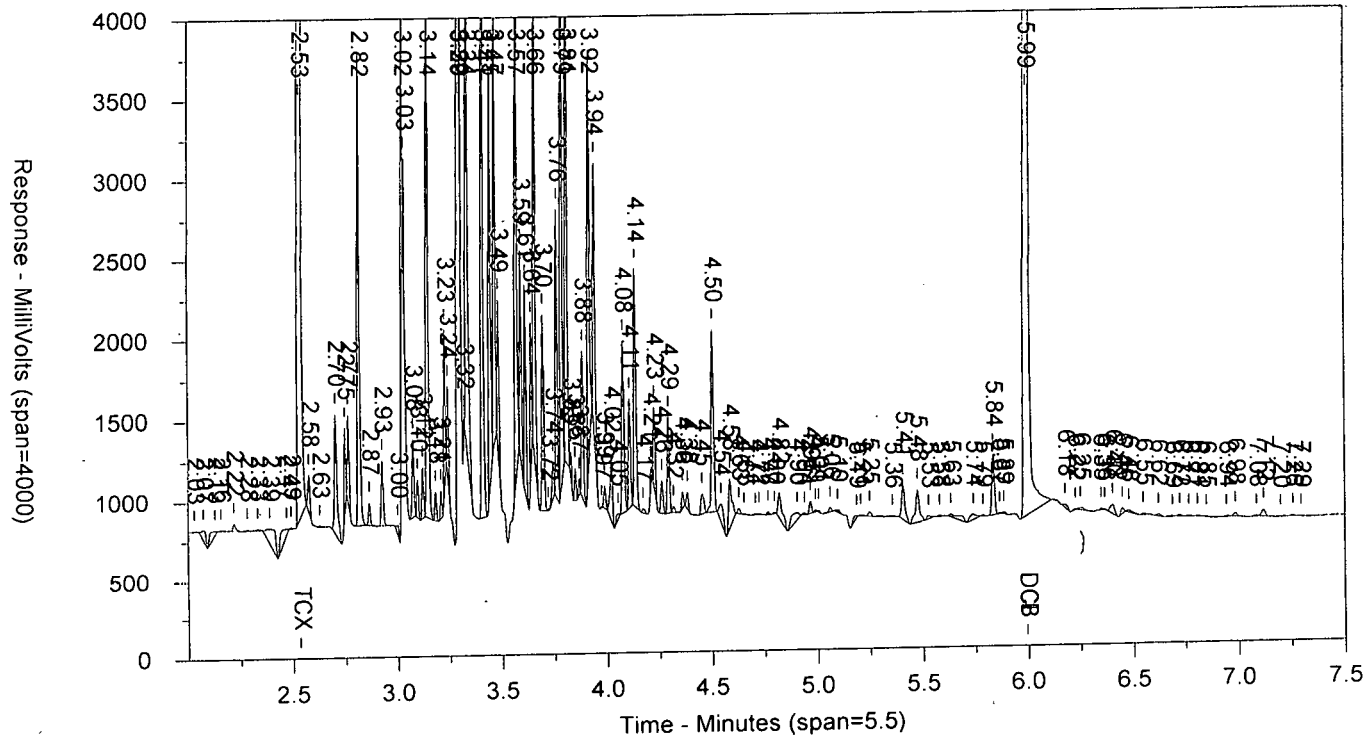

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:19:17 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.030.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.025		4945	9377
2.06		4756	11014
2.205		50680	38860
2.312		23197	28420
2.407		3058	8360
2.467		2408	2734
2.49		1812	1492
2.512		1366	963
2.544		7389	6352
2.673		1512	1260
2.753		6356	11946
2.839		4514	6450
2.904	TCX	12434900	8181528
3.002		4113	4090
3.052		108573	94146
3.102		165527	174358
3.154		610748	428785
3.23		18888	10667
3.247		72955	44618
3.29		2006	1574
3.368		645407	380762
3.385		292208	153465
3.422		73505	40656
3.437		10699	3855
3.449		36822	19098
3.482		759681	552901
3.519		2513	1285
3.538		30368	18560
3.557		18926	11015
3.592		167377	93981
3.606		80185	38970
3.649		412003	207403
3.66		797866	374238
3.696		924552	652104
3.752		774597	559078
3.793		55338	39459
3.821		489258	354774
3.848		379414	302740
3.869		89209	47271
3.943		564453	404828
3.967		201680	128818
3.998		216719	151965
4.031		601647	553949
4.07		178887	142645
4.116		23428	20338
4.155		30253	23149
4.188		190315	131782
4.207		159578	96272
4.231		146305	108725
4.286		1650	792
4.3		3825	2224
4.333		50122	58485
4.376		3797	2470
4.476		2588	2716

RT A	Compound A	Height A	Area A
4.563		2689	3316
4.59		3078	2801
4.754		1349	1156
4.8		3313	3092
4.833		2455	2968
4.924		2214	4126
4.995		2054	2231
5.074		2684	2711
5.116		2890	2482
5.322		1352	7457
5.382		18697	33873
5.482		2338	2568
5.607		9219	12617
5.787		2014	1969
5.95		759	4219
5.979		44838	44908
6.043		38093	40936
6.215		2698	5406
6.347		1601	1112
6.418		71519	74130
6.52		1026	1139
6.565	DCB	8016939	8133056
6.65		4654	3468
6.692		5583	4240
6.714		2149	3532
6.827		3742	6354
7.007		6332	8854
7.202		1425	1410
7.489		1254	2068
8.356		2162	3679
8.512		7517	18195

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:19:17 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.030.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.03		3783	5056
2.075		40706	58839
2.118		6070	26923
2.126		3241	1916
2.169		5865	9779
2.218		31316	29642
2.28		8377	10054
2.332		5472	4496
2.368		3720	3065
2.455		12224	35266
2.469		23664	14470
2.491		5952	3536
2.532	TCX	35756540	21853750
2.577		155868	96154
2.704		491571	405085
2.75		451992	233945
2.765		363816	191150
2.817		2043053	1338505
2.865		121219	73273
2.927		286449	193418
3.002		24107	16500
3.024		1557672	764272
3.035		543244	199562
3.075		340582	213791
3.096		167625	94176
3.121		232528	128741
3.145		2538686	1719035
3.182		108858	64305
3.209		140658	73559
3.229		650590	346427
3.243		384337	185579
3.294		1101289	526836
3.302		2522340	1069688
3.323		98821	35986
3.336		2493354	1738571
3.409		2722311	1802159
3.446		1768197	1146475
3.469		1945817	1114199
3.486		679376	346346
3.571		2300036	1538596
3.593		915748	500599
3.614		898155	544542
3.642		602192	314504
3.659		2048852	1234766
3.698		824452	567206
3.745		98188	74805
3.765		580198	345553
3.787		1211879	782445
3.811		588043	357668
3.83		88223	45570
3.851		42033	24636
3.869		8051	2847
3.885		58094	34517
3.917		75733	41859

RT B	Compound B	Height B	Area B
3.93		50701	20967
3.943		34676	14374
3.979		30045	103906
4.053		27588	45573
4.078		11182	8346
4.112		2955	1616
4.137		13677	11177
4.225		23170	133120
4.334		24964	63900
4.362		5413	3849
4.381		2739	1812
4.462		5738	8692
4.506		11776	9596
4.554		27789	24824
4.594		23456	38876
4.703		2128	1175
4.78		1323	1794
4.824		12334	35561
4.905		15511	48374
4.942		9767	7226
4.981		730	2414
4.995		3822	5631
5.063		27881	21784
5.095		22874	45291
5.183		8107	12067
5.207		5574	6112
5.254		9743	12852
5.368		3121	4030
5.408		197526	188070
5.477		171682	170207
5.528		12772	11643
5.601		2530	2820
5.638		5003	3853
5.736		9847	19419
5.788		7077	5844
5.836		334135	288353
5.866		8810	5486
5.888		5031	3876
5.932		2249	1272
5.995	DCB	29923370	26177850
6.22		4982	3232
6.318		5096	9291
6.449		31790	27918
6.481		13542	13356
6.621		7050	8490
6.673		4340	7250
6.721		3916	4026
6.944		3539	5331
7.112		2170	3461
7.185		1565	708
7.441		724	2742
7.619		3594	6849
7.826		9215	14033
8.004		10016	15883
8.159		1854	1097
8.219		2589	3501
8.343		1552	1949

AR16XX1724B AAAR16XAA ICAL 1727799999 10736 SW-846 80

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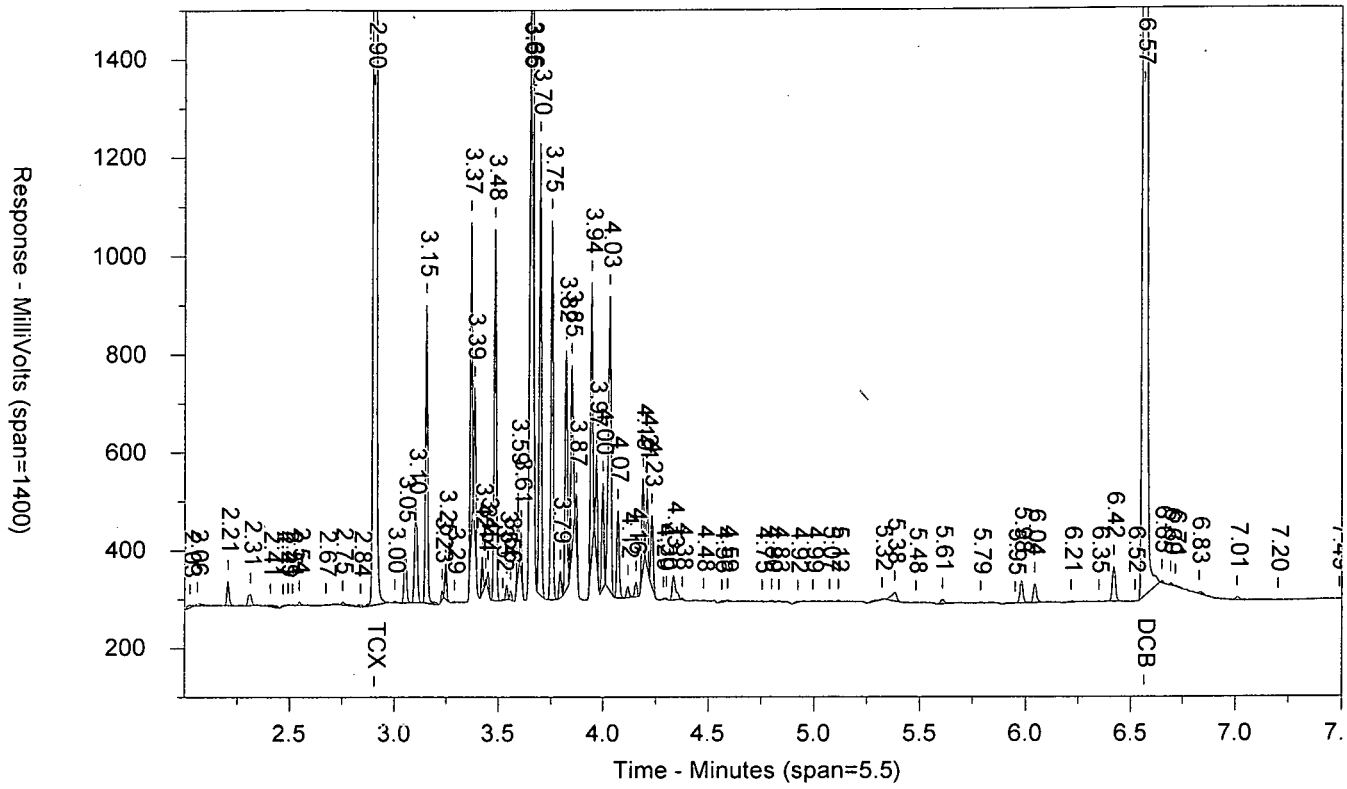

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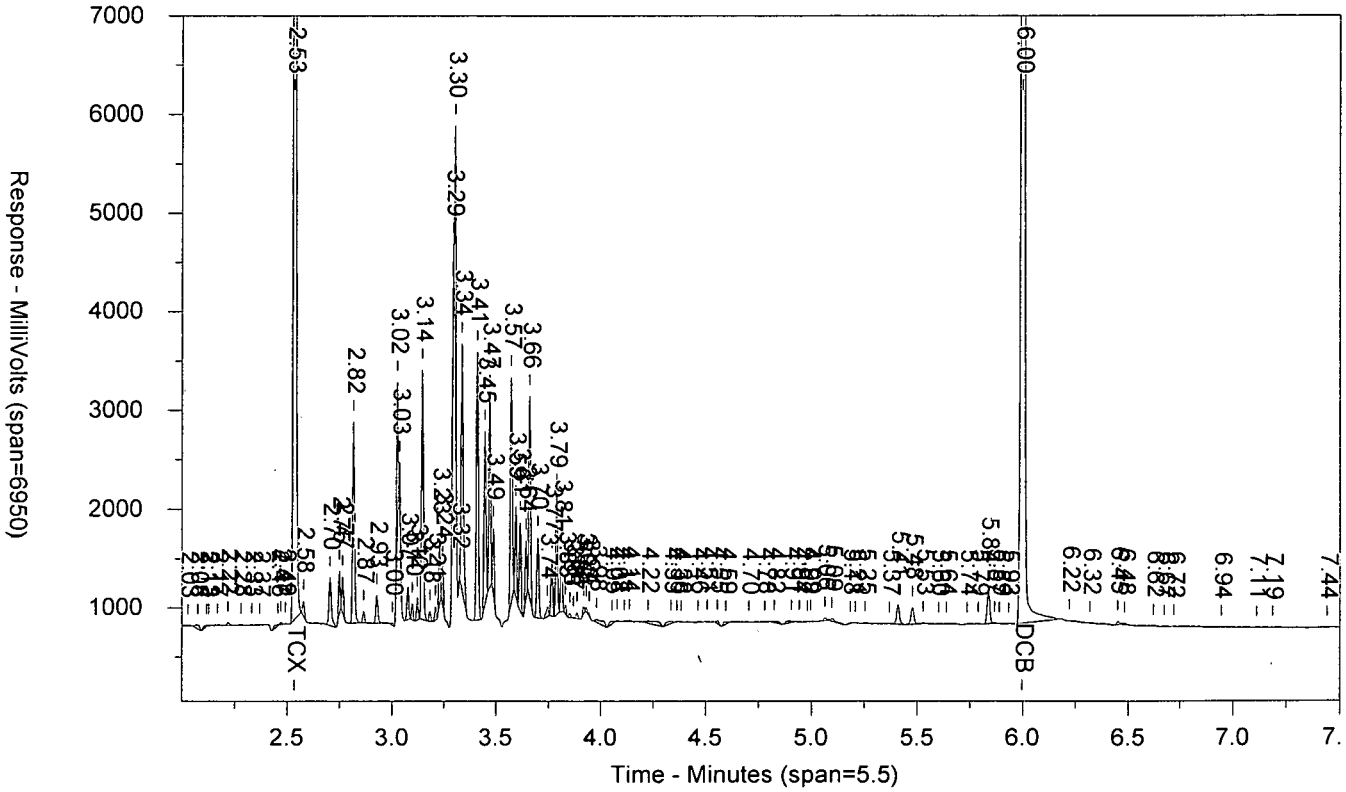

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:19:17 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	12434900	63.423	TCX	2.532	35756540	60.568	TCX
6.565	8016939	59.425	DCB	5.995	29923370	58.545	DCB

Files:
Area File: 20PCBS17278001.030.RAW
Area File: 20PCBS17278001B.030.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 3:28:01 AM
File Reported On: 10/6/2017 at 12:22:26 PM

AR16XX1724B AAAR16XAA ICAL 1727799999 10736 SW-846 80

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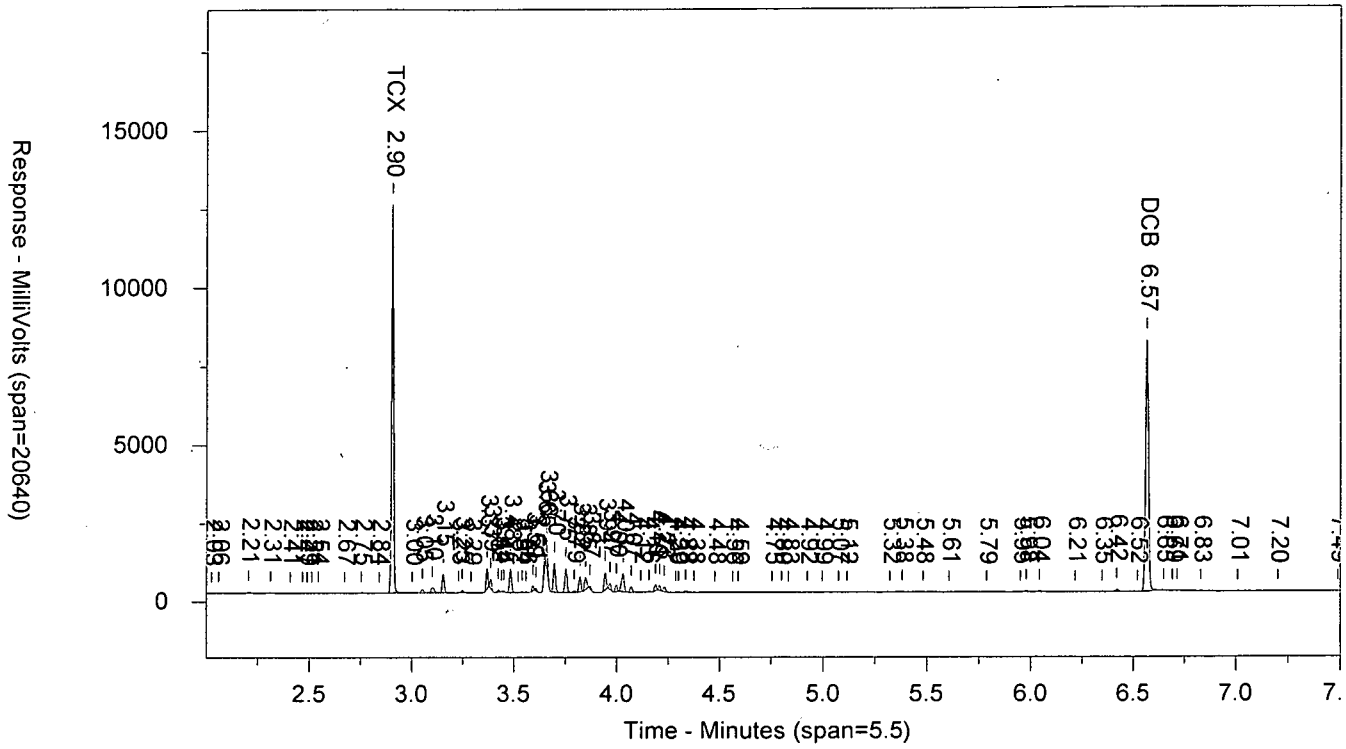

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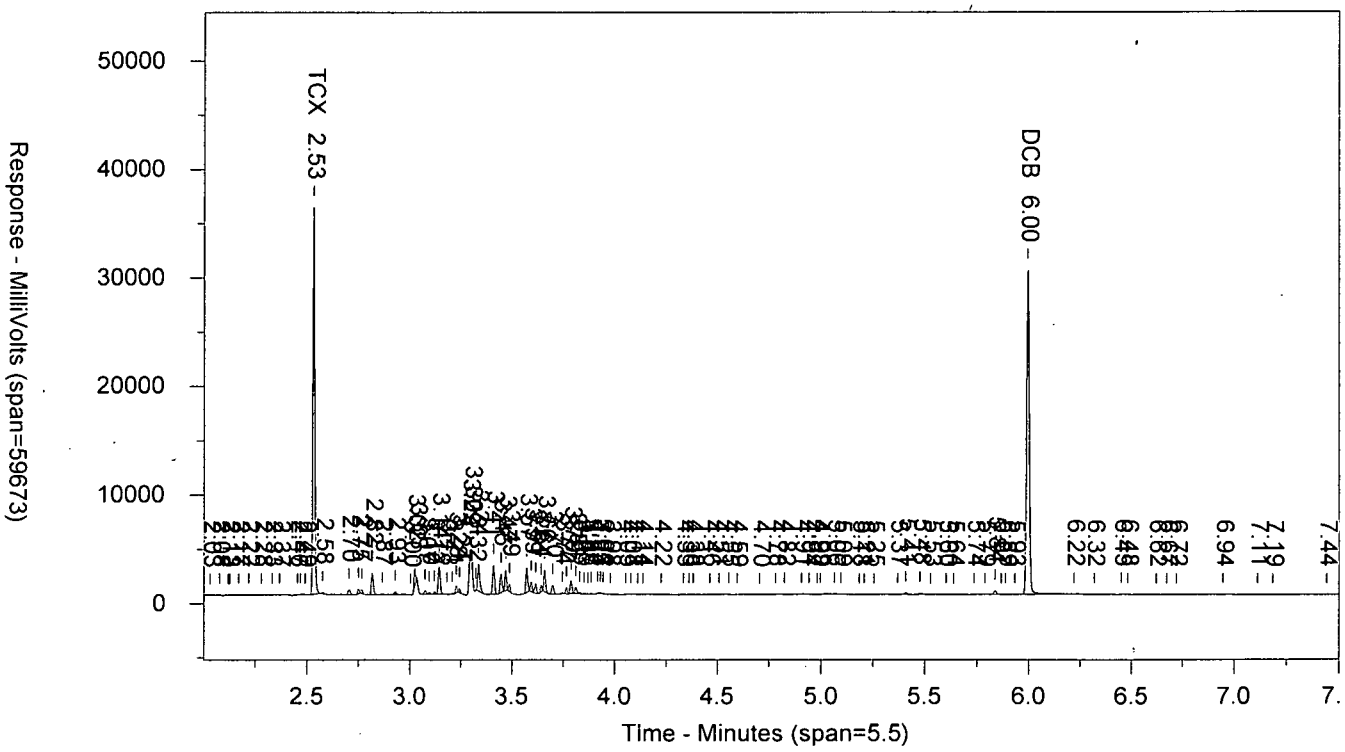

AR16XX1724B AAAR16XAA ICAL 1727799999 10736 SW-846 80

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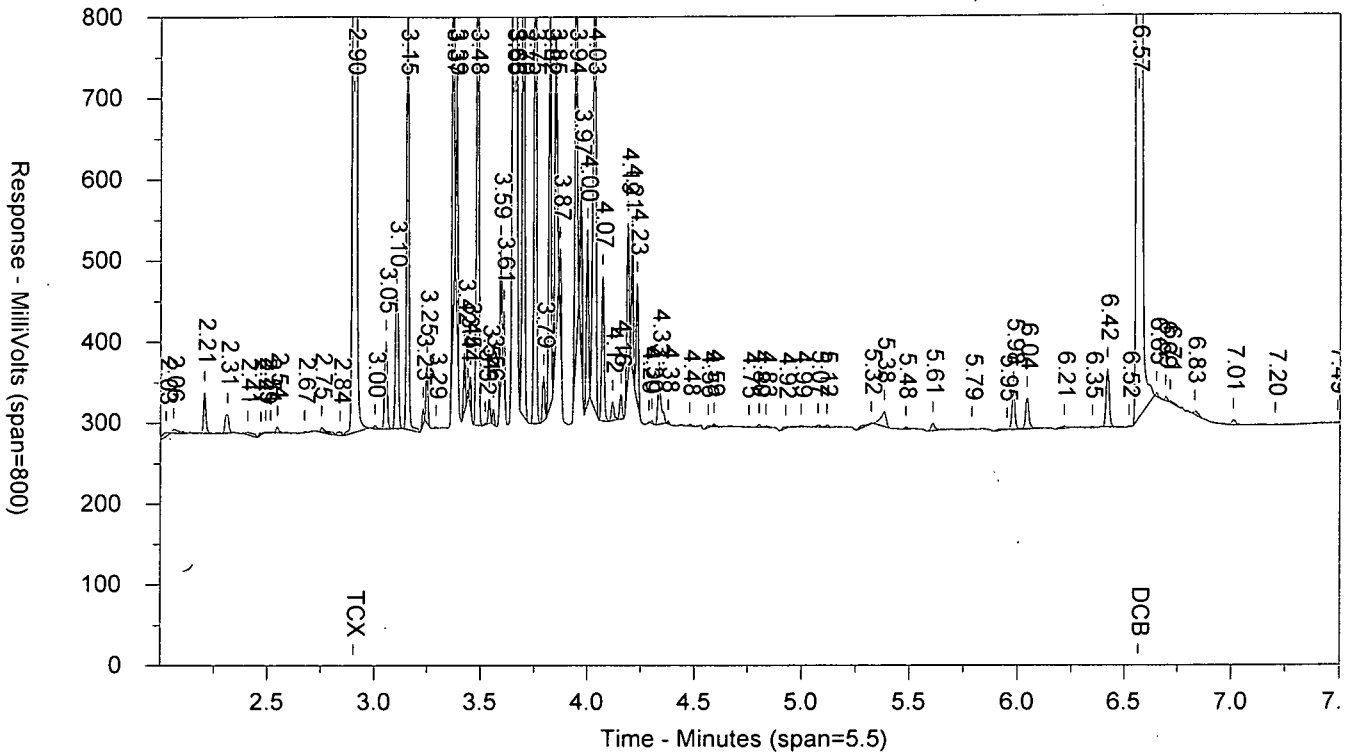

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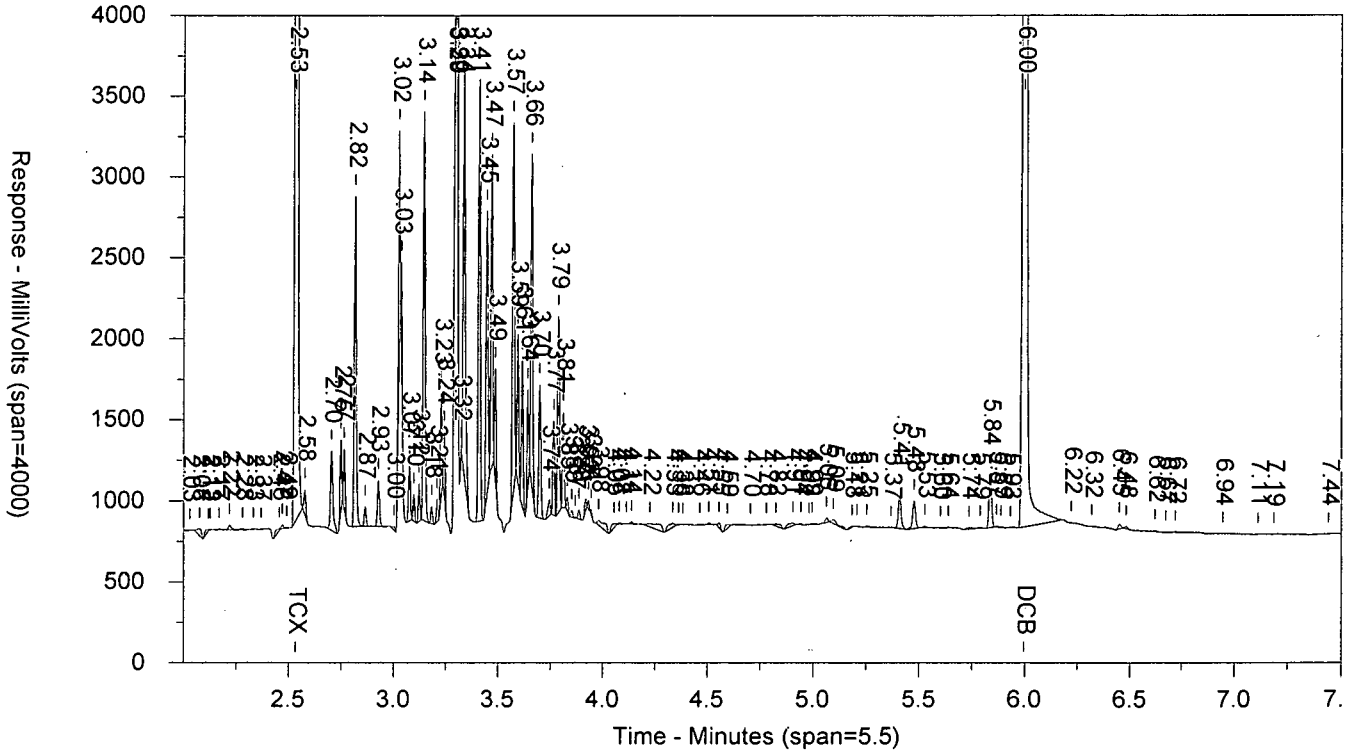

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:30:46 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.031.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.023		4059	6210
2.065		5033	6570
2.133		952	1481
2.304		15130	10598
2.345		1072	1252
2.489		2470	7302
2.73		1594	6451
2.753		10509	19956
2.841		4465	7017
2.903	TCX	77357	66781
3.053		3419	2758
3.107		4151	3724
3.154		17772	12560
3.247		8139	10800
3.335		801	820
3.368		20026	11606
3.384		7760	4141
3.418		2004	1561
3.481		22271	16145
3.536		2921	1932
3.591		4730	4908
3.606		2543	1225
3.648		10756	6182
3.659		19771	9844
3.695		25549	19561
3.752		21402	17393
3.793		2147	1127
3.82		16317	11703
3.847		12748	14759
3.942		17728	11860
3.967		5150	3102
3.996		6326	4359
4.029		16485	15333
4.069		5264	4204
4.132		5001	4800
4.187		19441	15999
4.207		5304	3060
4.23		4908	5054
4.301		2211	1611
4.341		16752	15681
4.437		2408	2981
4.477		1933	2444
4.526		3119	2128
4.547		2775	2170
4.59		10773	9828
4.637		16285	17780
4.675		3344	2199
4.713		36907	33710
4.798		6373	6545
4.829		1111	775
4.858		7493	8810
4.91		45064	56232
4.962		8888	8804
5.001		19113	22300

RT A	Compound A	Height A	Area A
5.082		3651	4467
5.115		49148	44580
5.182		26551	24288
5.225		16679	16939
5.319		5770	5033
5.345		26015	21250
5.382		6451	5970
5.401		7014	4446
5.44		7684	7566
5.526		8414	9362
5.582		63991	69625
5.787		43586	40060
5.819		1857	1307
5.842		8856	11050
5.978		1645	2177
6.059		7488	6875
6.215		18253	21101
6.298		1355	1133
6.415		4711	4393
6.564	DCB	60856	66299
6.713		1175	1763
6.835		6338	11379
7.034		1501	3335
7.148		602	514
7.39		885	700
7.493		1385	2691
7.938		1188	813
8.092		772	2076
8.351		2033	2752
8.508		7252	14137

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:30:46 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.031.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.079		30833	29814
2.129		15065	55997
2.165		3494	4708
2.22		4271	3328
2.281		6172	4614
2.388		28468	96809
2.451		14400	32789
2.469		46355	37258
2.532	TCX	288125	182887
2.575		4944	4060
2.632		4341	11242
2.701		37251	64339
2.749		14304	15635
2.764		12741	7508
2.791		3027	1628
2.817		75016	47843
2.91		2365	951
2.932		12363	17280
3		22166	19728
3.024		70447	37221
3.034		19717	6926
3.049		4139	1676
3.076		8643	5713
3.097		3002	1469
3.12		6709	3216
3.145		95116	62098
3.183		5870	3713
3.228		20170	9536
3.245		32026	49394
3.293		43586	24131
3.302		87516	36079
3.336		96876	72560
3.409		99956	63276
3.445		72947	44142
3.468		75513	42293
3.485		21683	10580
3.511		29577	27437
3.571		97384	124868
3.593		31863	16522
3.613		29982	17709
3.642		21705	11358
3.659		73720	42991
3.699		30084	23497
3.722		12156	10088
3.762		34171	21158
3.787		121020	86445
3.811		19394	11283
3.83		3969	1571
3.85		42841	31283
3.884		76696	51225
3.914		5483	3184
3.978		29988	93770
4.05		19765	29053
4.078		21324	15418

RT B	Compound B	Height B	Area B
4.119		20298	12092
4.137		19970	9875
4.15		58023	30052
4.174		30071	30133
4.226		178602	136057
4.318		53773	57847
4.36		203538	160384
4.459		153996	158143
4.509		22726	20811
4.549		62767	65408
4.584		198415	165753
4.615		111088	78925
4.653		74082	62534
4.749		20491	15228
4.798		130674	101247
4.821		16858	10647
4.871		64939	52422
4.905		40575	33096
4.937		27987	20734
4.968		11339	6334
4.991		273613	247043
5.036		6643	5165
5.064		7496	5269
5.095		22905	46954
5.185		4186	6914
5.207		66007	56497
5.251		182775	215498
5.408		7892	14545
5.456		16637	26709
5.526		36483	34790
5.636		80902	70391
5.668		4895	9958
5.743		10361	23424
5.837		23706	21743
5.892		2624	4485
5.995	DCB	296935	286886
6.221		2729	2985
6.256		6211	10165
6.322		3549	2733
6.377		4281	8154
6.48		25243	56132
6.721		7114	7959
6.95		6045	8231
7.147		2752	2678
7.398		1621	2044
7.463		3012	5505
7.604		1688	892
7.742		2053	11648
7.823		13375	28975
8.006		11442	20368
8.122		1178	3352
8.338		3696	7715
8.592		1519	3601

MD16X1724B AAMD16XAA ICAL 1727799999 10736 SW-846 80

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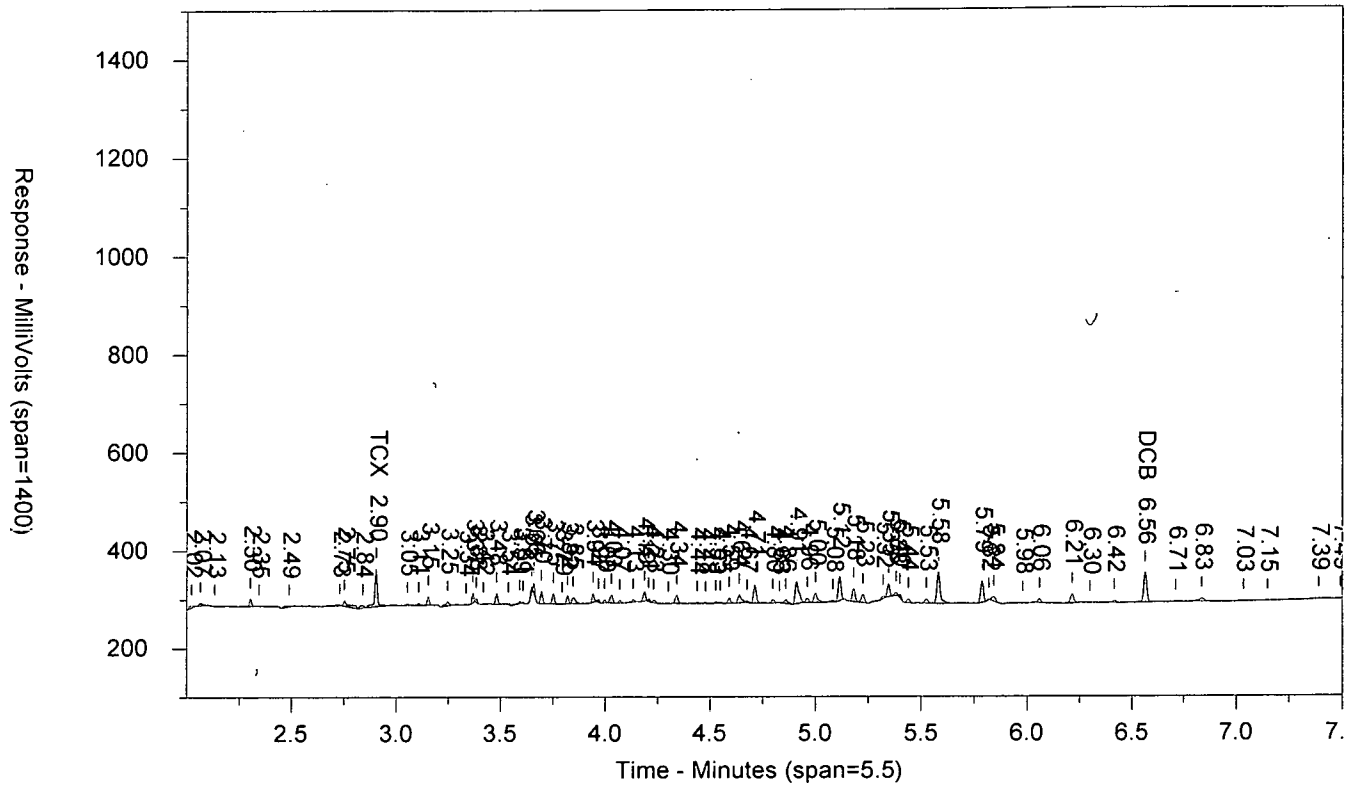

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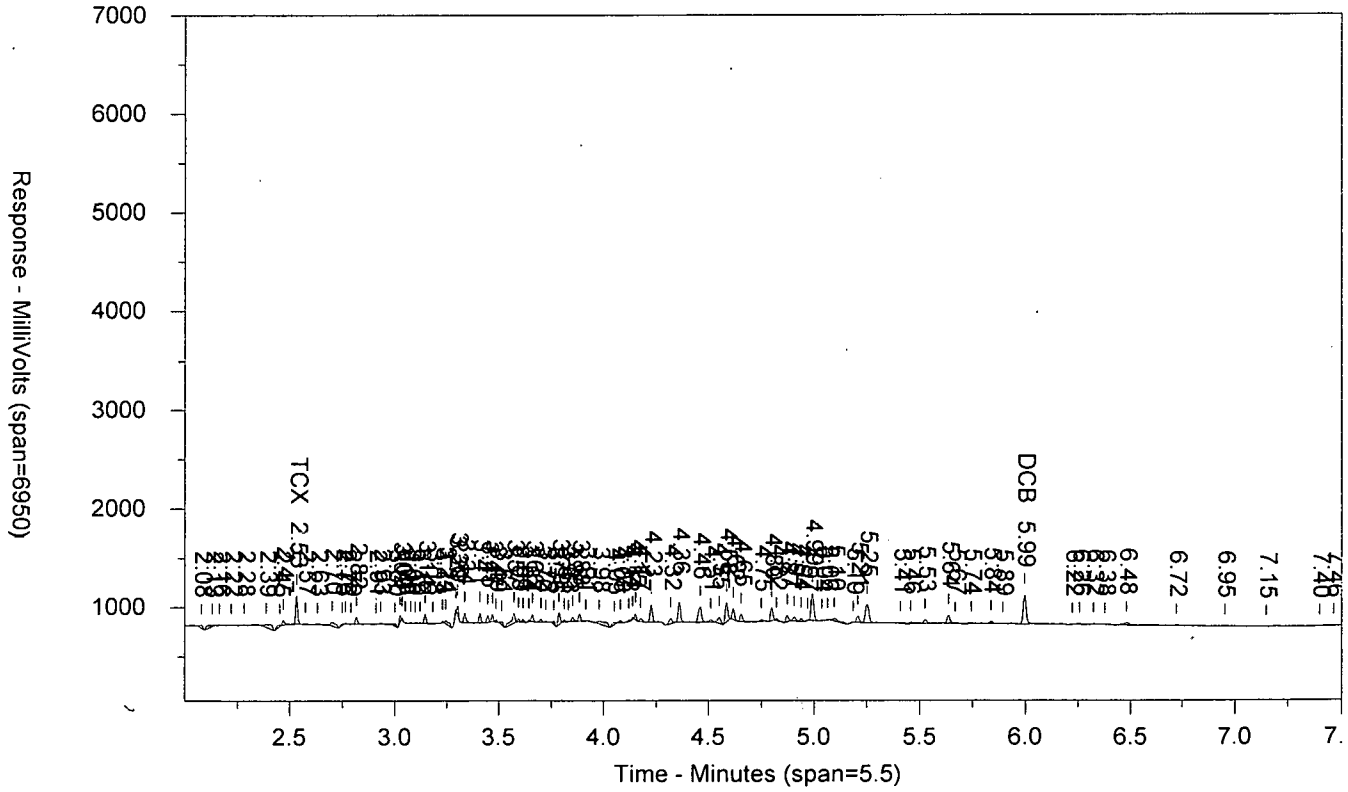

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:30:46 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	77357	.395	TCX	2.532	288125	.488	TCX
6.564	60856	.451	DCB	5.995	296935	.581	DCB

Files:
Area File: 20PCBS17278001.031.RAW
Area File: 20PCBS17278001B.031.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 3:39:28 AM
File Reported On: 10/6/2017 at 12:22:46 PM

MD16X1724B AAMD16XAA ICAL 1727799999 10736 SW-846 80

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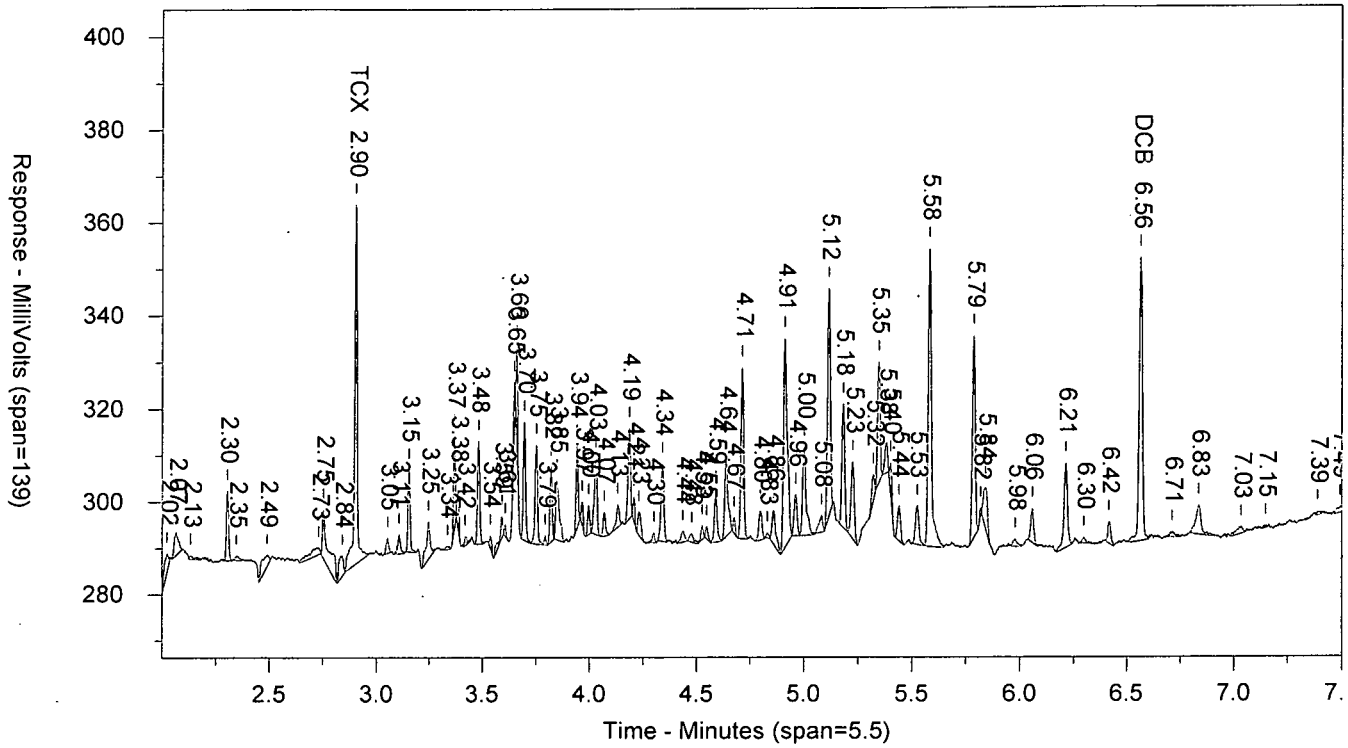

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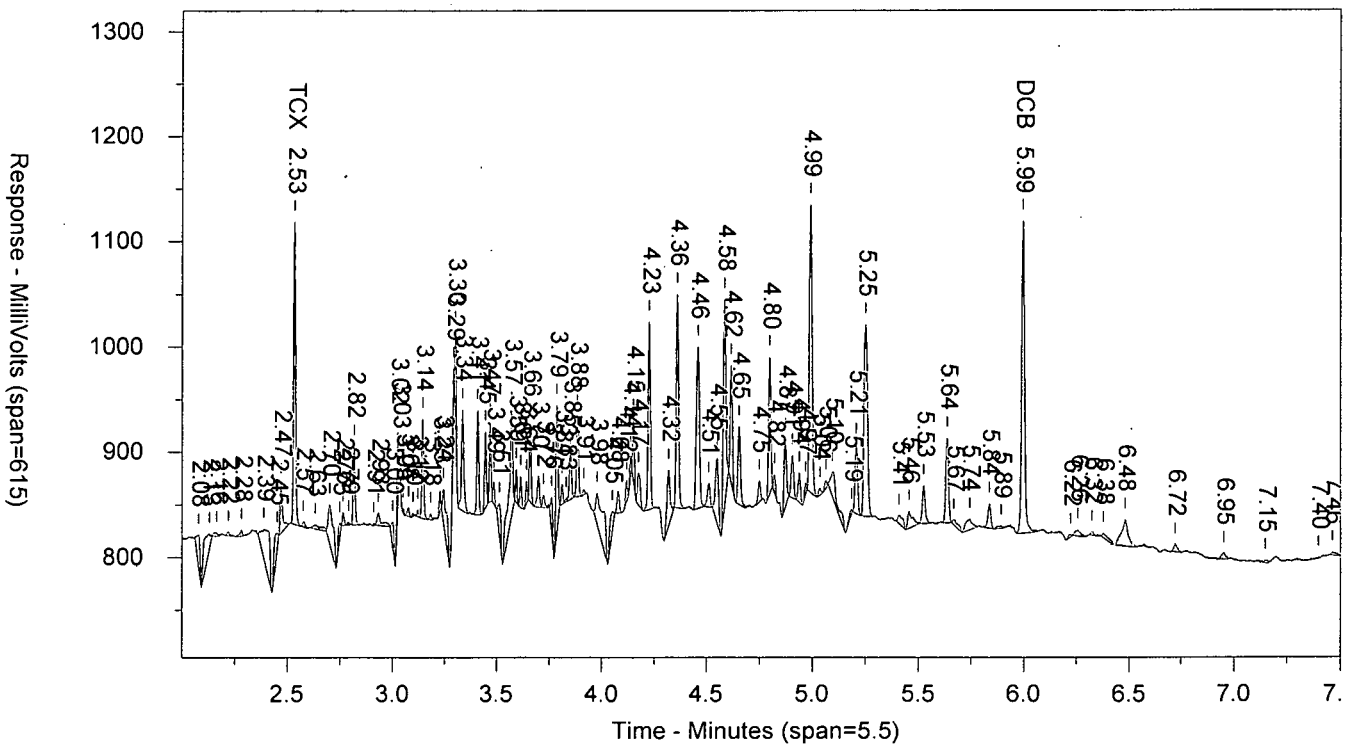

MD16X1724B AAMD16XAA ICAL 1727799999 10736 SW-846 80

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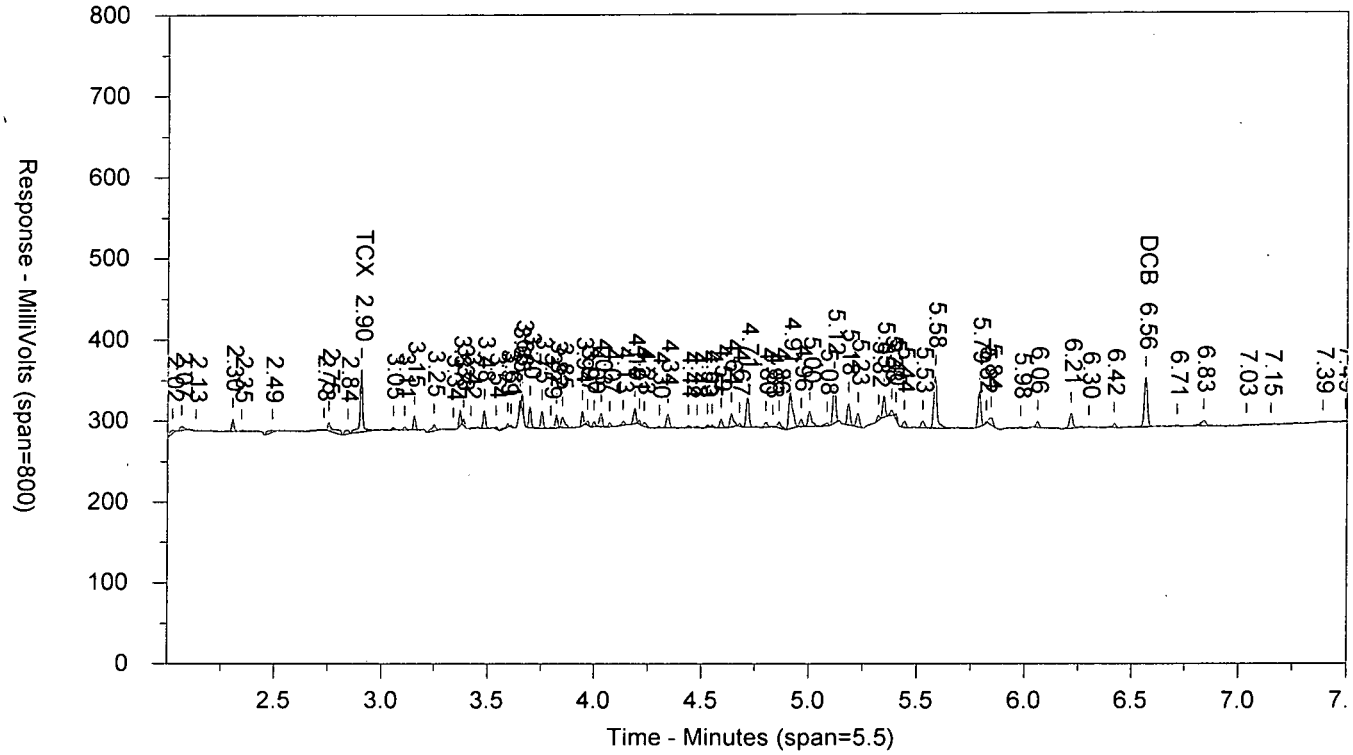

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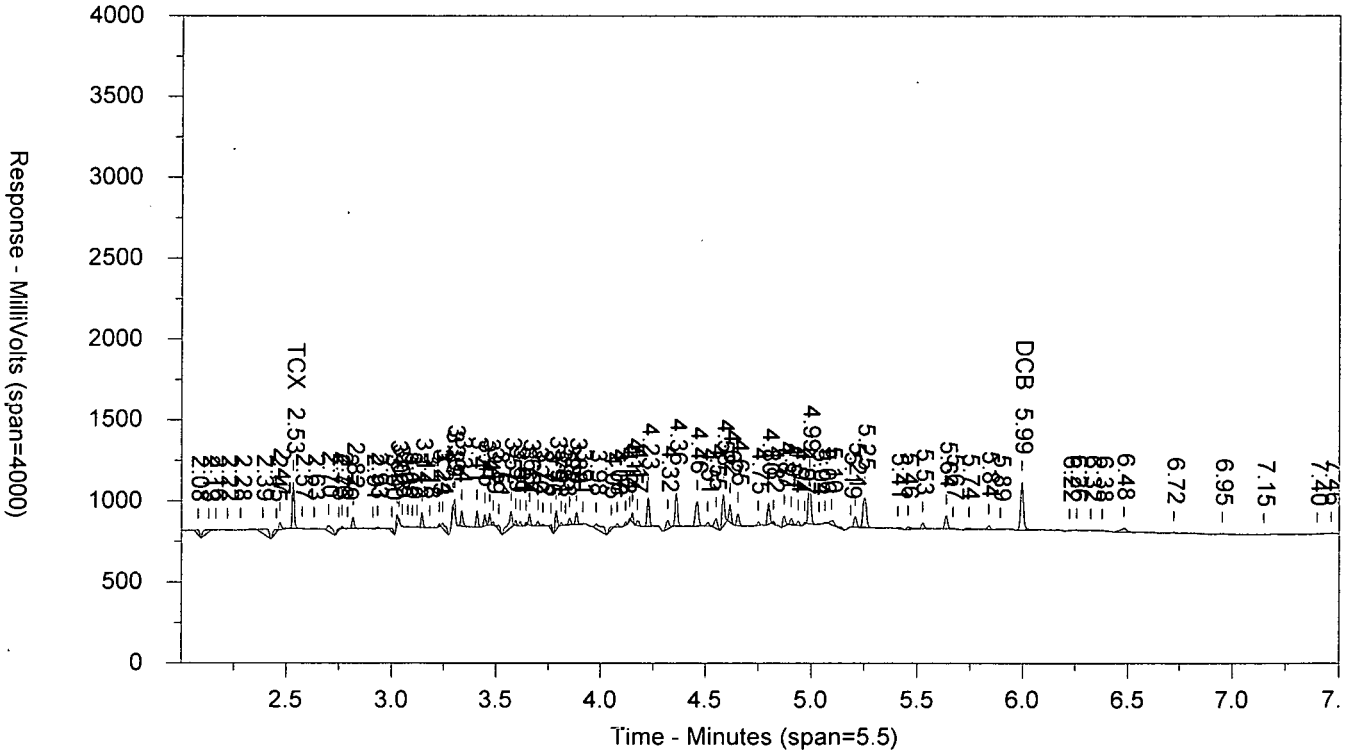

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:42:04 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.032.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.03		1517	3137
2.063		5532	14018
2.205		34897	26578
2.262		1267	483
2.306		17374	20468
2.46		2120	1659
2.49		2002	1355
2.514		1209	1037
2.545		7519	6360
2.677		1075	910
2.71		1653	2788
2.752		6594	5842
2.866		1655	1200
2.903	TCX	8209603	5437249
3.003		2560	1455
3.051		113910	98732
3.106		152767	147876
3.154		625573	441275
3.229		12419	6522
3.247		79735	51094
3.289		2146	1469
3.368		709059	415926
3.385		333021	173557
3.422		77334	44119
3.437		12997	4579
3.448		37896	18762
3.482		845832	597602
3.519		3442	1785
3.538		19151	11645
3.557		23715	14031
3.591		184047	102400
3.605		84359	40388
3.648		419945	217980
3.659		745997	386436
3.695		955601	701250
3.752		844054	604348
3.792		61962	44589
3.82		534994	401989
3.847		406081	326884
3.868		106434	53069
3.942		642635	438186
3.966		225389	136716
3.997		218161	149593
4.03		505011	485481
4.069		139720	110858
4.116		11735	8540
4.134		1587	667
4.154		16552	11473
4.188		456757	341054
4.206		41484	17693
4.229		81184	60622
4.299		73306	61122
4.341		557708	497825
4.376		12903	8838

RT A	Compound A	Height A	Area A
4.436		4559	3864
4.478		36172	33722
4.528		48477	32307
4.545		142926	104309
4.589		320075	278073
4.637		591164	623754
4.673		110806	79635
4.712		1339460	1184578
4.798		176213	172425
4.83		9640	6200
4.858		237439	209229
4.909		1481947	1832765
4.96		291104	273712
5		713132	771915
5.08		131956	152033
5.114		1716436	1583285
5.136		52958	25353
5.156		16918	6766
5.18		932983	838445
5.224		540669	516496
5.278		1555	1665
5.318		203454	161786
5.343		955207	860943
5.4		500242	462958
5.439		277618	271649
5.483		41694	43886
5.524		293868	318578
5.581		2425598	2511518
5.786		1570024	1460625
5.816		81211	55699
5.841		320103	344779
5.933		727	681
5.977		72735	71347
6.056		276062	359330
6.213		614602	626480
6.258		36283	33978
6.383		884	342
6.415		263227	260836
6.563	DCB	5392612	5542948
6.691		2310	6761
6.832		4899	8855
7.008		4496	6503
7.427		646	2729
7.493		810	750
7.734		853	1758
7.792		1305	2675
8.004		731	1362
8.349		2380	6374
8.508		7165	13728

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:42:04 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.032.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.072		20424	31530
2.126		10714	31700
2.162		5095	9490
2.219		28847	27141
2.282		9553	9110
2.33		5038	5153
2.455		6677	19288
2.469		30078	19553
2.493		4399	2265
2.532	TCX	23379020	14568890
2.577		175395	118144
2.619		4479	7021
2.668		2466	2505
2.704		504271	388629
2.749		307485	158012
2.765		409857	224381
2.817		2100361	1391541
2.865		86999	49053
2.927		314619	209912
2.981		7827	22409
3.024		1722052	845723
3.034		511375	196453
3.075		372916	229954
3.095		181560	101656
3.121		234426	133071
3.145		2674477	1849440
3.182		115736	68559
3.208		89490	44902
3.228		701526	375885
3.243		404640	193829
3.293		934518	506707
3.302		2617349	1188135
3.323		85694	32238
3.336		2693168	1855718
3.409		3028147	1938095
3.446		1989657	1291958
3.468		2192917	1228864
3.485		727785	368386
3.57		2460452	1640218
3.592		965120	517072
3.613		901153	532638
3.641		583555	308259
3.658		1719575	1039309
3.697		633460	431894
3.744		58340	46733
3.764		290910	166402
3.786		2064622	1376260
3.81		336291	196800
3.829		45936	21253
3.849		341807	224291
3.884		2043731	1433028
3.916		98536	52560
3.93		98389	69772
3.978		19895	25507

RT B	Compound B	Height B	Area B
4.021		105530	95233
4.052		10182	15471
4.078		542357	392076
4.118		666935	417611
4.136		409403	216036
4.15		1538592	913883
4.175		923759	929112
4.225		4707888	3691950
4.274		75470	48308
4.293		301163	185421
4.317		1102133	865748
4.359		5446193	4389130
4.458		4283668	4490734
4.509		614055	513976
4.548		1402969	1218392
4.582		5316994	4427576
4.614		2845017	2089774
4.652		2051059	1705175
4.711		2758	1168
4.748		672616	513249
4.767		76772	37103
4.798		3776204	2972795
4.82		376605	227773
4.87		1985106	1786369
4.905		1092752	869500
4.936		834447	684571
4.967		321744	200976
4.99		8300889	7191084
5.032		197693	154235
5.061		338678	314154
5.182		104533	66793
5.205		1837808	1590475
5.25		5317952	6352600
5.368		9986	8558
5.406		332384	312708
5.454		163767	120793
5.475		174444	127461
5.524		1090767	987732
5.635		2377658	2106074
5.666		161813	121408
5.737		11417	30739
5.835		1093835	969157
5.994	DCB	19982910	17740130
6.169		18407	21589
6.215		4653	18822
6.448		21702	19704
6.48		13750	13252
6.724		5328	6487
6.948		5173	7649
7.043		1776	887
7.428		1749	3927
7.506		1802	2006
7.678		2063	1605
7.82		11012	20802
7.913		1887	1684
8.003		11433	19798
8.244		2477	8470
8.298		2029	1383
8.339		3827	6948
8.451		2849	7125

IC16X1724C AAIC16XAA CCAL 1727799999 10736 SW-846 808:

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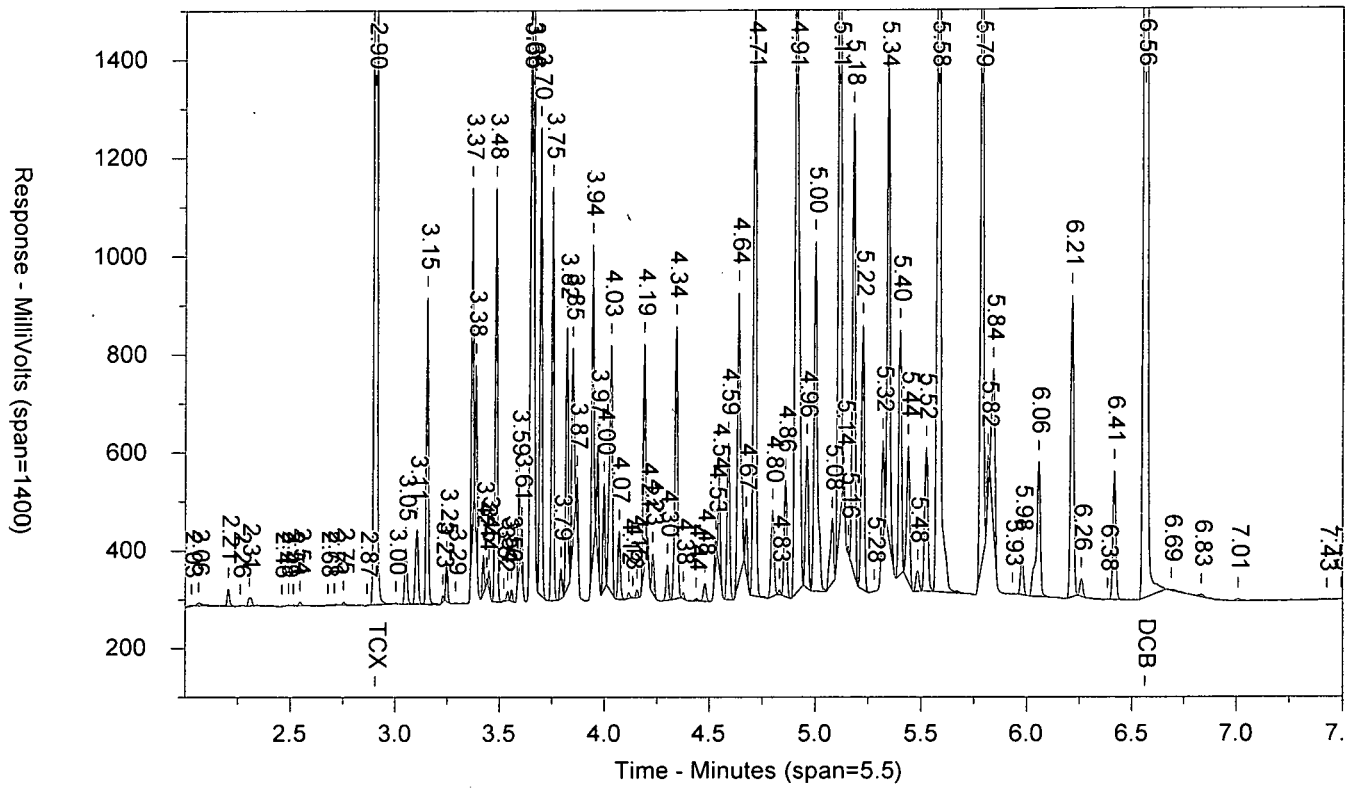

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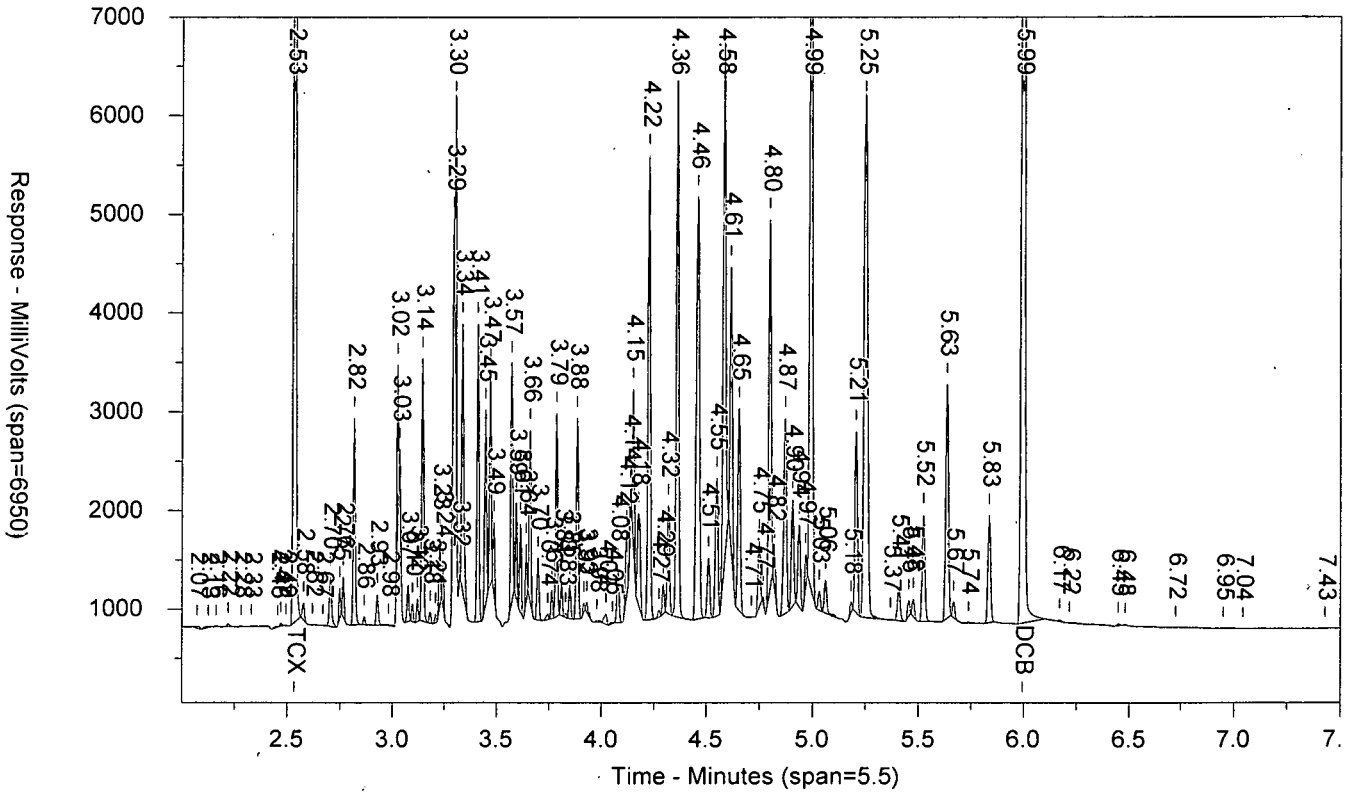

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:42:04 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	8209603	41.872	TCX	2.532	23379020	39.602	TCX
6.563	5392612	39.972	DCB	5.994	19982910	39.097	DCB

Files:
Area File: 20PCBS17278001.032.RAW
Area File: 20PCBS17278001B.032.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 3:50:46 AM
File Reported On: 10/6/2017 at 12:23:08 PM

IC16X1724C AAIC16XAA CCAL 1727799999 10736 SW-846 808:

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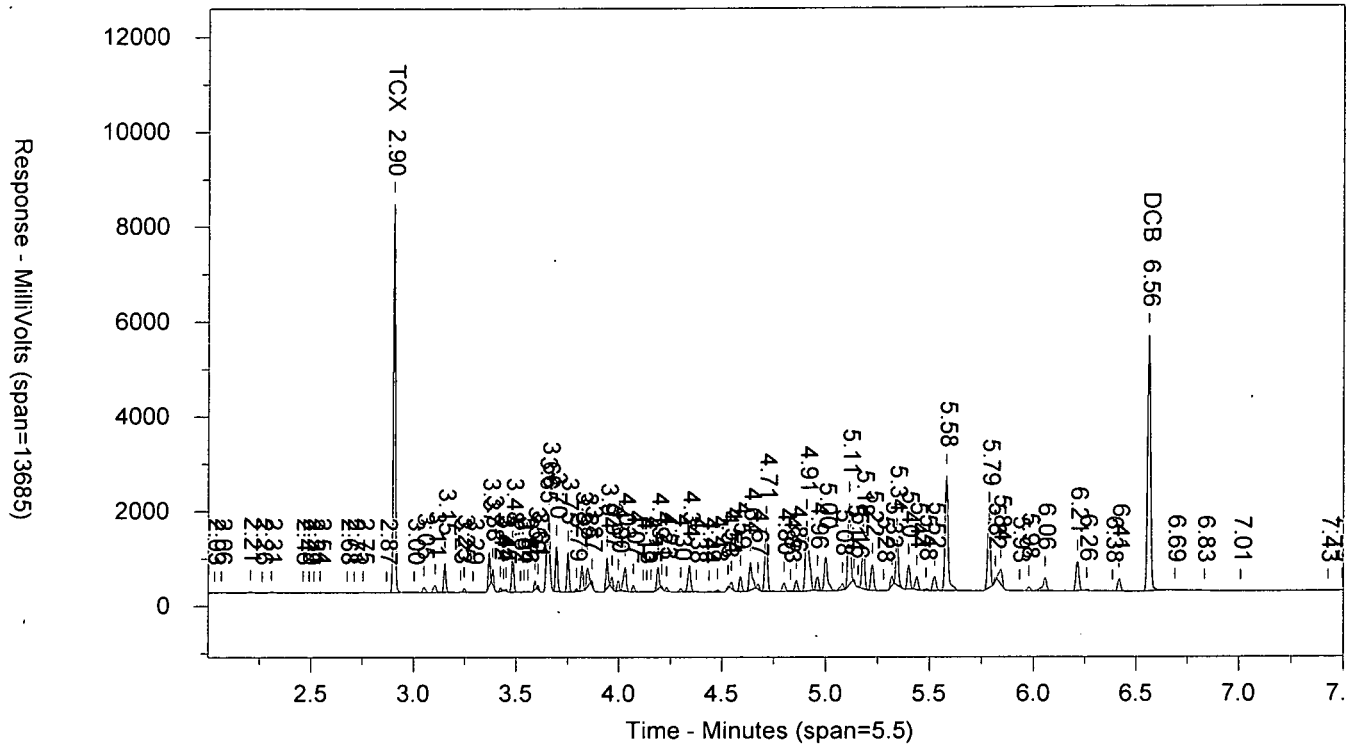

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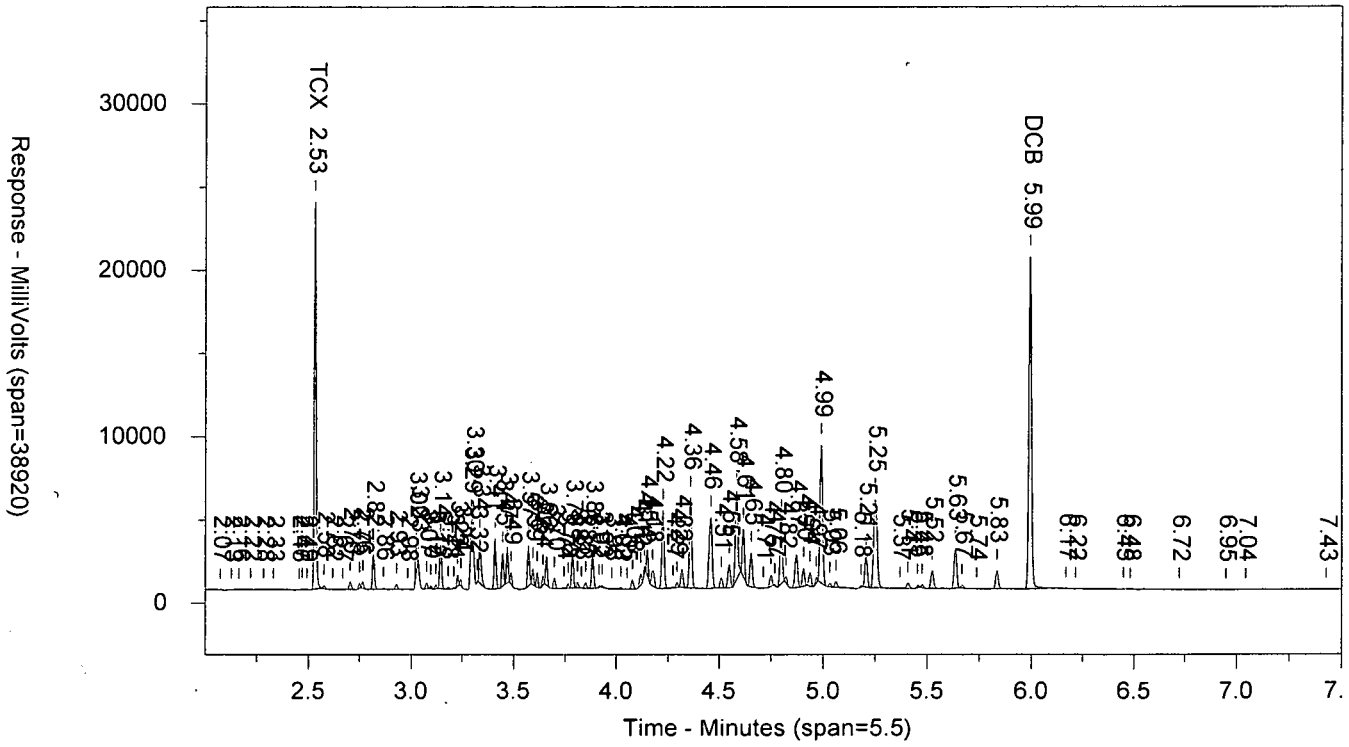

IC16X1724C AAIC16XAA CCAL 1727799999 10736 SW-846 808

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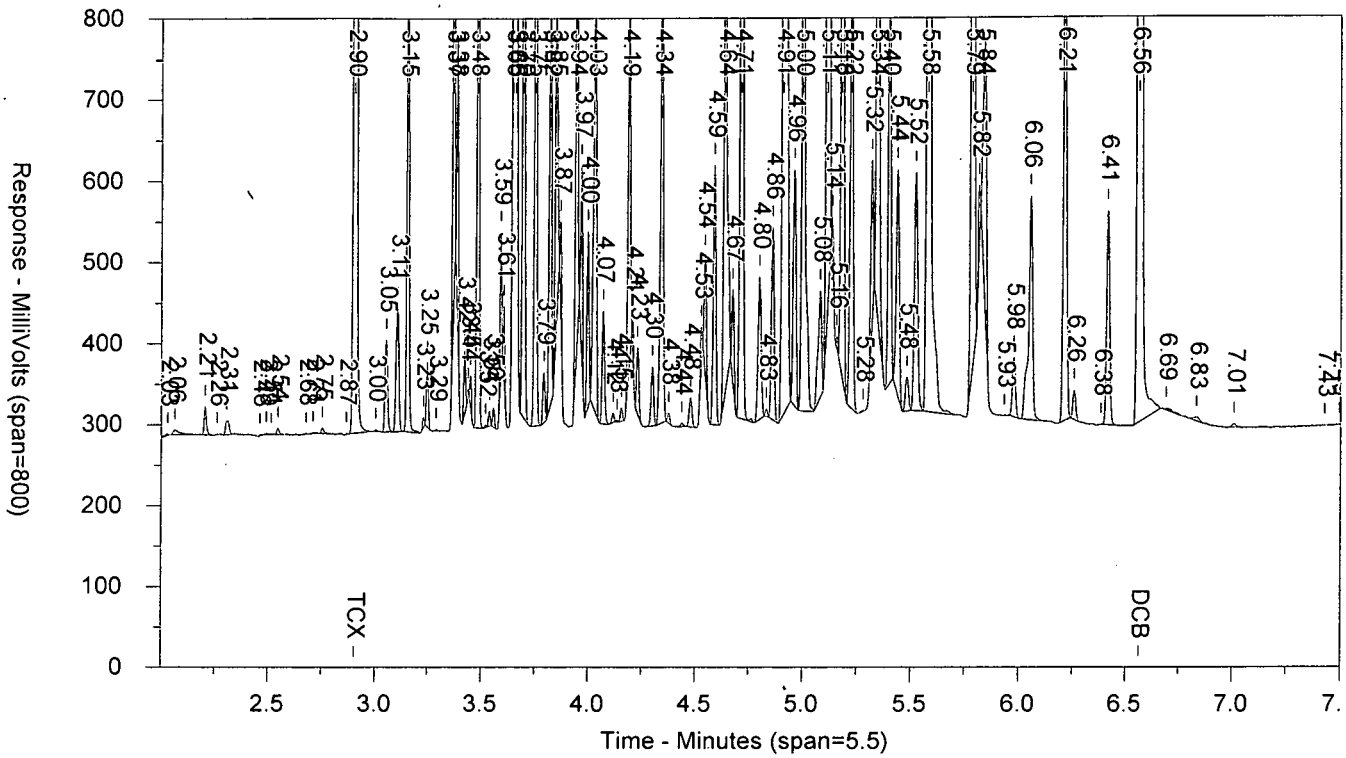

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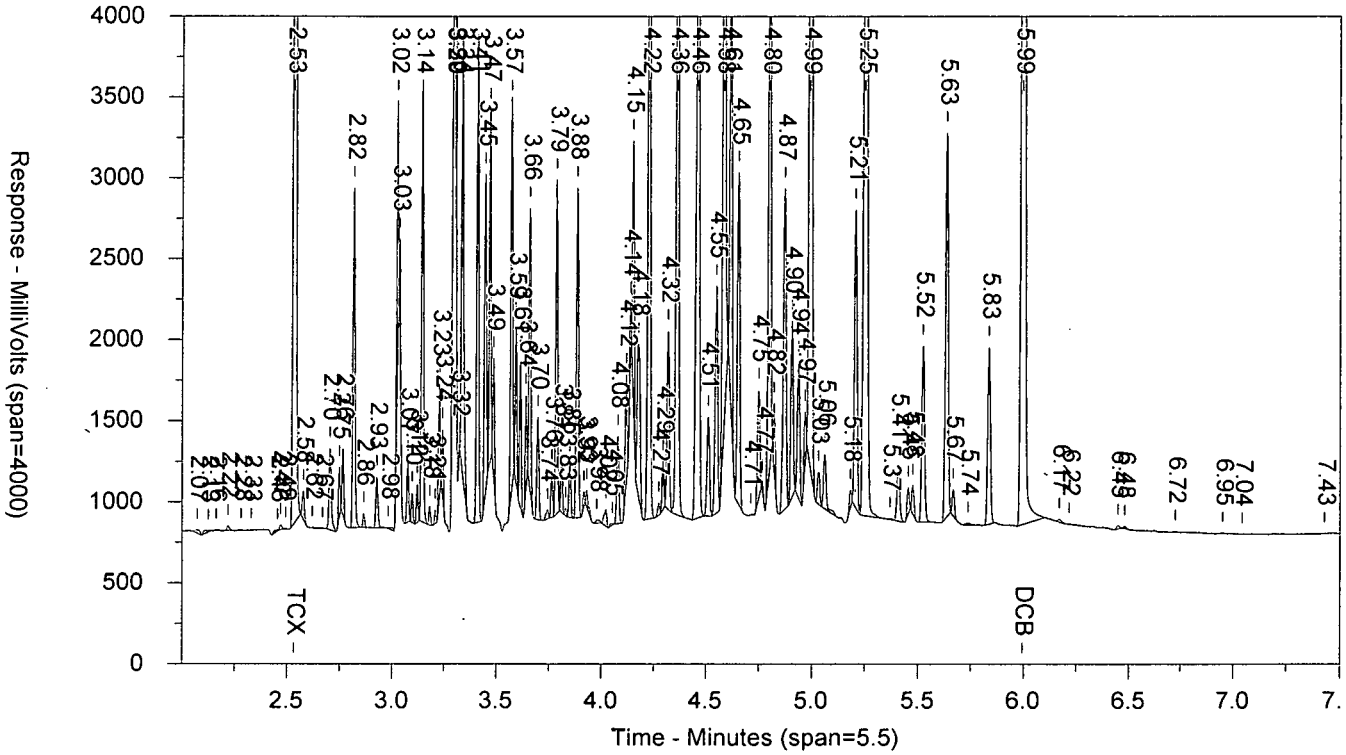

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:53:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.033.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.024		4901	8212
2.059		5034	11071
2.205		33328	24855
2.279		1017	543
2.304		22049	23029
2.414		1196	1065
2.466		2108	1932
2.491		1636	1374
2.513		1596	1146
2.545		1455	1679
2.676		1028	1741
2.704		1926	2759
2.752		6547	4955
2.832		4080	5696
2.904	TCX	8143778	5292800
3.002		2671	1859
3.054		25861	23505
3.1		92618	70547
3.154		92584	73500
3.229		14950	8719
3.247		19772	11814
3.367		321724	195925
3.384		95022	48370
3.421		21463	12431
3.437		6626	5916
3.482		305853	221013
3.537		22804	13790
3.557		14955	9318
3.59		60412	34538
3.605		15507	7104
3.647		291791	162676
3.658		286465	127611
3.695		401297	300253
3.751		428377	320900
3.792		62937	44232
3.819		786824	558972
3.846		498215	385771
3.868		124513	68778
3.941		908133	631567
3.965		256164	161823
3.996		303847	215223
4.029		749218	664449
4.069		238729	188582
4.115		23617	19442
4.154		76480	56948
4.186		617220	416603
4.206		765318	474429
4.229		930294	666925
4.298		72549	66773
4.332		598419	501955
4.352		177745	90117
4.374		211510	137002
4.414		10819	6882
4.436		44160	33857

RT A	Compound A	Height A	Area A
4.477		233799	203480
4.528		328922	280046
4.559		203599	149787
4.588		592232	497250
4.637		5576	3737
4.67		211470	194531
4.712		41623	50748
4.758		53701	49700
4.798		398718	362843
4.878		38736	48837
4.91		21145	14363
4.923		14126	9801
4.994		370415	368848
5.041		8698	6691
5.068		8687	11540
5.115		94234	82236
5.153		5582	3797
5.179		3094	2331
5.223		3052	3009
5.321		32225	28461
5.345		4582	3003
5.378		12596	17040
5.482		2067	1885
5.52		18064	17050
5.545		2860	2278
5.582		6046	4904
5.604		5214	4824
5.69		1595	1533
5.786		11516	11309
5.843		3250	6137
5.951		320	5220
5.977		34177	33765
6.042		33391	39927
6.215		4965	8818
6.285		920	1122
6.329		1511	1472
6.415		56236	69786
6.563	DCB	5392217	5387722
6.693		2454	2260
6.712		5964	5991
6.834		4312	5208
7.028		10686	26131
7.108		1553	1900
7.155		883	452
7.261		2521	3196
7.316		1273	1277
7.383		8842	20640
7.448		1156	1726
7.647		1488	4380
7.801		8426	21661
8.075		632	1137
8.298		6997	18307
8.507		7249	16371

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:53:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.033.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.036		3212	2856
2.077		34747	45938
2.125		16195	50426
2.218		7913	11196
2.281		10866	8496
2.329		6021	4906
2.393		33852	98071
2.456		8049	32656
2.469		28772	18404
2.532	TCX	23277790	14197240
2.576		17128	7145
2.622		4266	2739
2.706		141321	152803
2.749		360575	209829
2.765		32269	13388
2.817		354789	244310
2.865		83275	51684
2.927		84037	57115
2.996		17450	19295
3.024		917641	471642
3.034		122831	40027
3.075		108685	64040
3.096		46727	27919
3.12		27298	15404
3.144		1099045	751218
3.183		74465	45701
3.208		94679	49655
3.228		240251	130956
3.244		104136	65359
3.293		932001	431841
3.301		1029066	406614
3.322		209847	85593
3.335		1064831	676668
3.409		1636142	1075709
3.445		2625835	1706402
3.467		2479989	1384434
3.485		880679	443423
3.57		3272888	2176364
3.592		1131989	601217
3.612		1172497	730892
3.641		589547	294476
3.657		2479337	1517303
3.697		1064721	727451
3.743		202137	162030
3.763		1817845	1115070
3.786		4443340	2866374
3.81		3313693	2062209
3.829		275890	129608
3.849		301989	178363
3.867		14436	4349
3.883		1425072	969048
3.915		2618828	1923041
3.942		1374533	797578
3.988		213399	154536

RT B	Compound B	Height B	Area B
4.021		711704	537810
4.049		9963	9678
4.078		1550904	1180567
4.109		949482	670759
4.136		2339488	1713910
4.173		44016	40601
4.226		991843	947699
4.261		271435	200154
4.293		1188052	892592
4.316		35500	19315
4.359		162468	103585
4.382		139799	92742
4.452		219527	241364
4.504		1640468	1343054
4.544		99113	103207
4.583		420727	419940
4.627		53050	39109
4.652		11383	10498
4.71		1368	3632
4.722		9745	7282
4.745		2838	1324
4.766		22859	16569
4.796		18797	12800
4.82		195872	197170
4.904		29531	87517
4.937		10468	7548
4.967		85038	64547
4.99		42237	47523
5.042		5782	5486
5.061		18133	13577
5.101		21722	29521
5.138		36625	34012
5.184		7653	16957
5.206		19840	17496
5.249		50343	58031
5.301		7619	9901
5.351		12866	17527
5.407		152869	162603
5.452		29560	22979
5.476		123898	100277
5.526		17113	26824
5.599		7600	8914
5.637		20953	36024
5.739		57358	94666
5.836		255667	227269
5.87		9056	13937
5.917		6446	13469
5.993	DCB	18454340	16974860
6.119		2819	1352
6.134		6066	5598
6.172		17449	22519
6.256		54738	114605
6.394		13580	32364
6.45		18574	17284
6.493		47105	78821
6.547		5300	5133
6.619		8198	10332
6.692		2255	1779
6.722		47630	66382
6.765		2803	7603
6.902		3342	2940
6.947		38097	77227
7.082		2687	2650
7.116		4773	3681
7.147		2734	1984
7.197		23426	48591

RT B	Compound B	Height B	Area B
7.385		2056	5786
7.418		3097	3568
7.474		12223	29311
7.82		13633	35424
8.006		13281	27350
8.342		2437	4476

IC48X1724B AAIC48XAA CCAL 1727799999 10736 SW-846 8082

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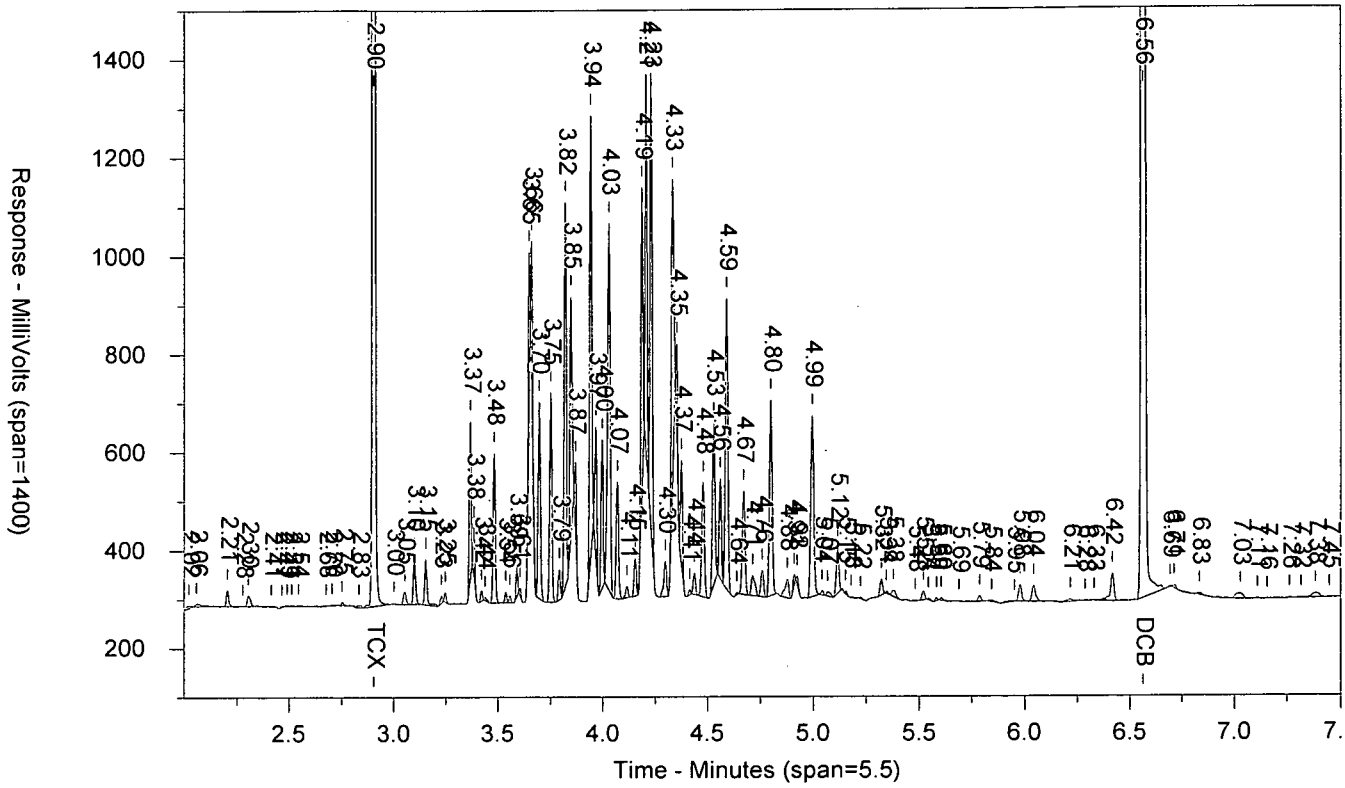

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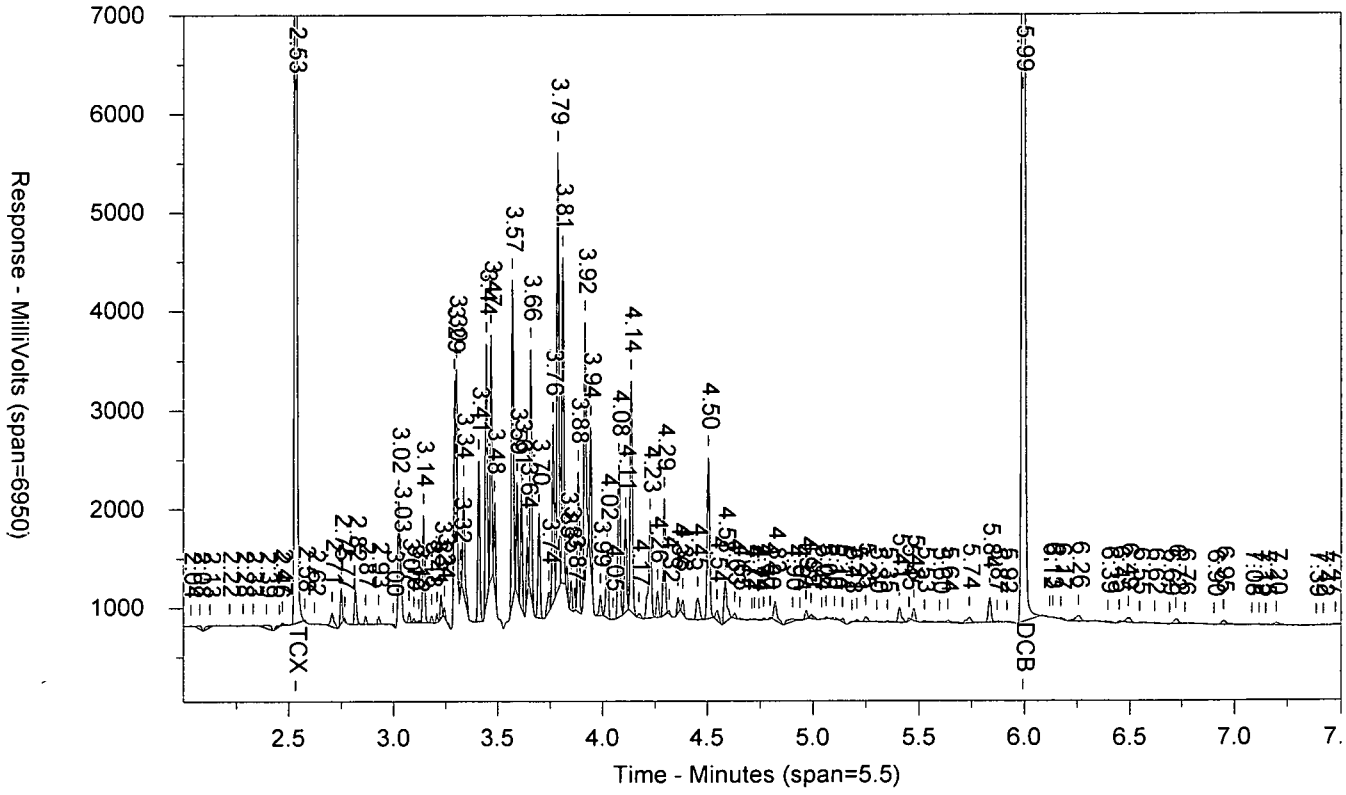

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 3:53:27 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	8143778	41.537	TCX	2.532	23277790	39.43	TCX
6.563	5392217	39.97	DCB	5.993	18454340	36.106	DCB

Files:
Area File: 20PCBS17278001.033.RAW
Area File: 20PCBS17278001B.033.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 4:02:08 AM
File Reported On: 10/6/2017 at 12:23:27 PM

IC48X1724B AAIC48XAA CCAL 1727799999 10736 SW-846 8082

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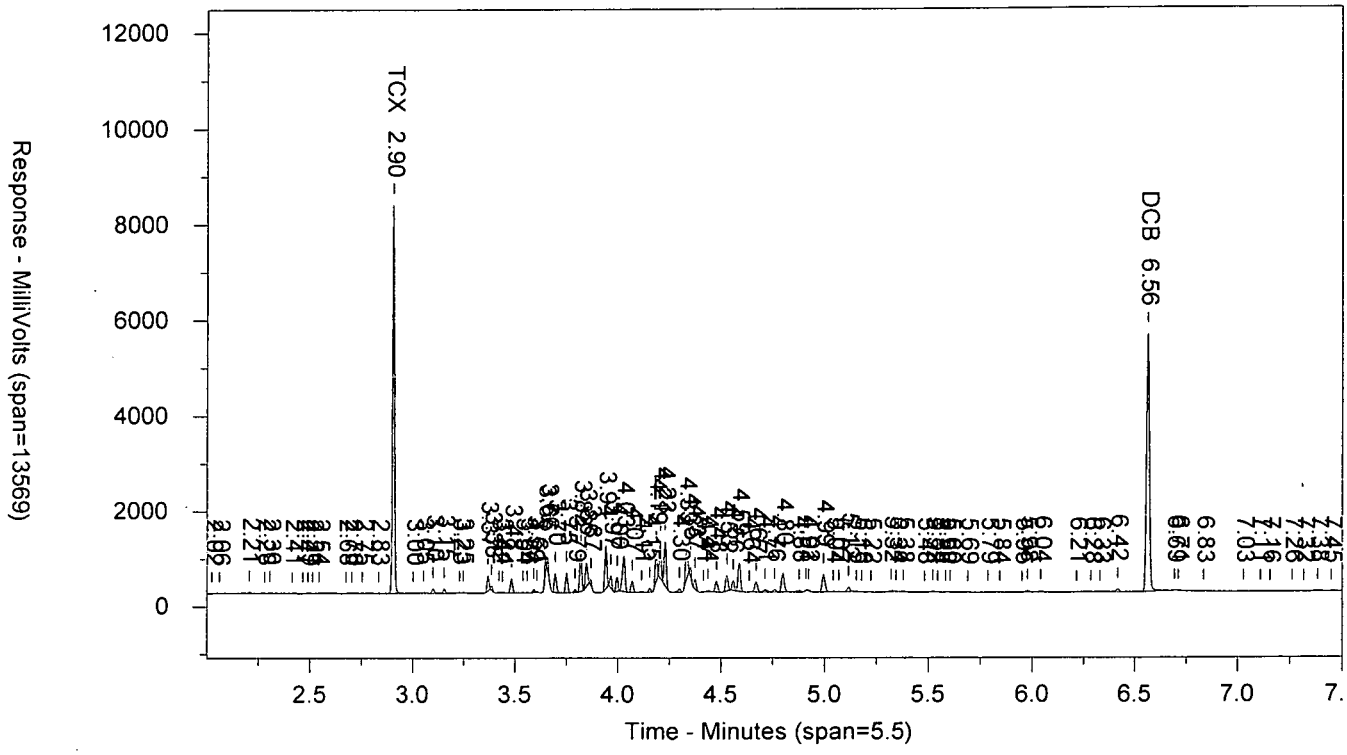

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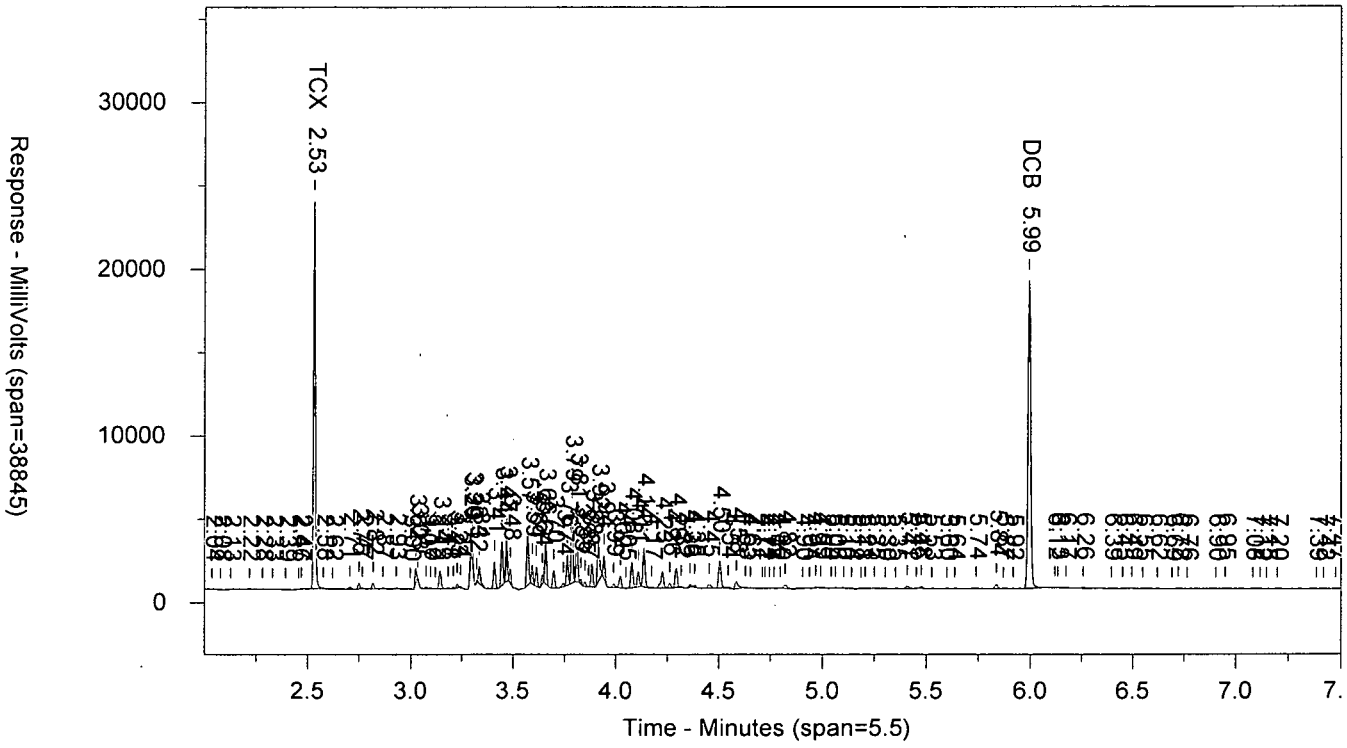

IC48X1724B AAIC48XAA CCAL 1727799999 10736 SW-846 8082

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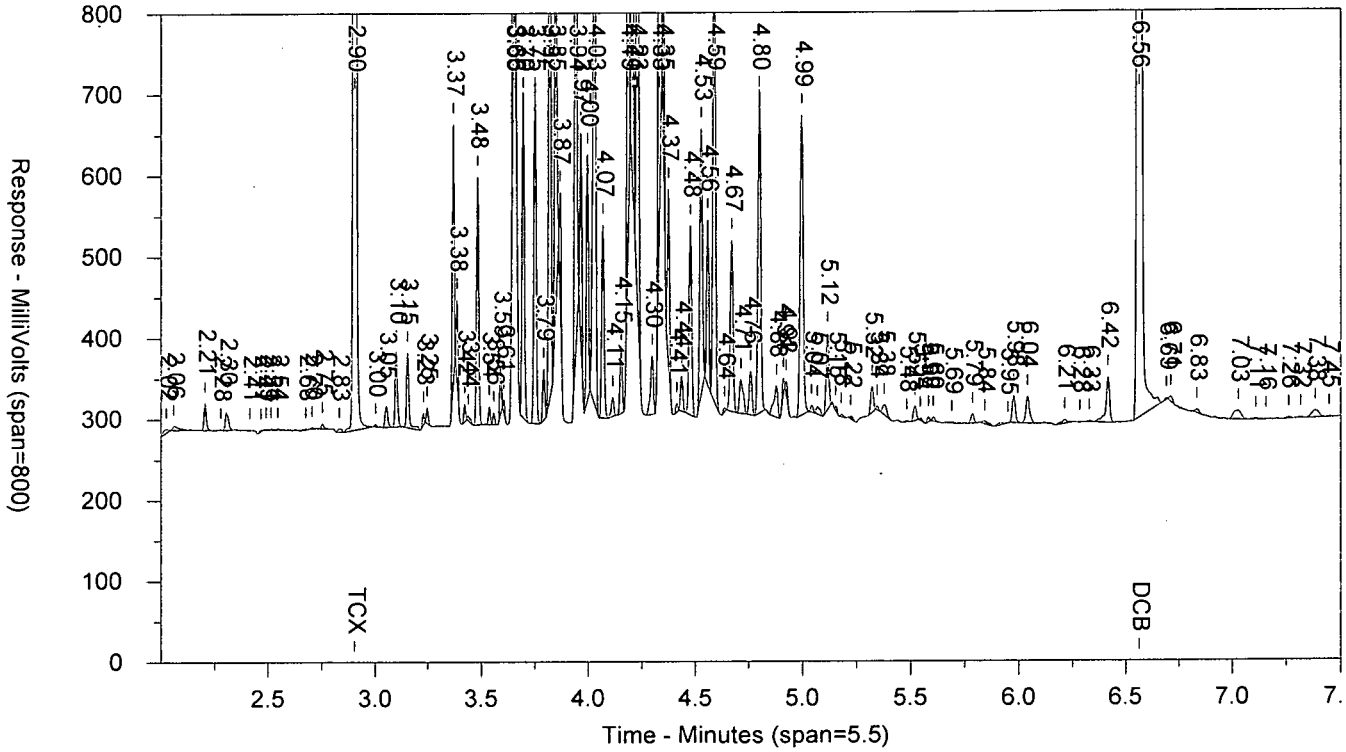

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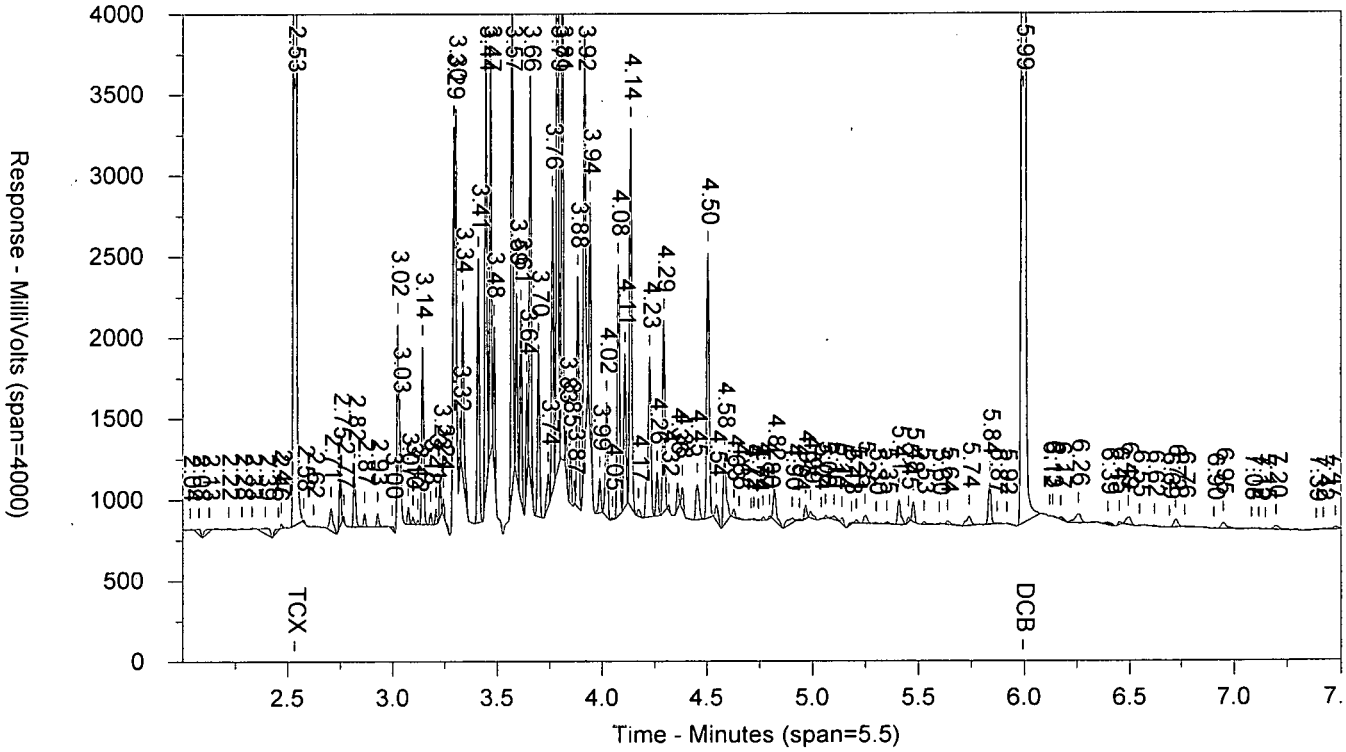

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 4:04:44 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.034.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.027		3818	7770
2.063		4299	9839
2.205		17241	13457
2.304		16939	15662
2.471		1440	2296
2.493		1813	1441
2.563		1083	711
2.677		1230	925
2.712		1595	3017
2.753		6561	21696
2.84		6306	10142
2.903	TCX	3806073	2556618
3.003		2053	2330
3.052		6431	6194
3.099		46794	34421
3.154		17094	19363
3.229		8523	5302
3.247		4758	3148
3.368		24427	14982
3.385		9583	5576
3.421		1223	572
3.437		7176	5114
3.481		26752	20259
3.537		10754	6552
3.557		15795	9961
3.591		5423	3207
3.647		20396	10986
3.658		10349	8822
3.695		59728	43877
3.751		26875	20903
3.792		3154	1944
3.819		713170	515527
3.845		183821	162327
3.941		437444	320770
3.964		25439	15771
3.995		44593	30592
4.029		190003	158413
4.069		34887	28564
4.115		5290	5981
4.133		1720	692
4.153		32557	23290
4.187		1026857	700528
4.206		336117	184381
4.231		295937	236516
4.298		294928	239172
4.34		1492144	1606076
4.374		586132	459873
4.414		18881	12192
4.436		97347	75381
4.478		531744	463973
4.528		980229	846228
4.558		235137	156686
4.588		2084796	1774726
4.636		92119	65501

RT A	Compound A	Height A	Area A
4.652		26493	11188
4.672		256045	186731
4.713		636808	639917
4.758		129851	112972
4.798		1405299	1283092
4.83		22464	14060
4.858		128798	103218
4.877		19492	11352
4.909		777453	1185476
4.96		18505	14078
4.996		1010402	1021233
5.043		116584	88593
5.067		43882	30027
5.08		27428	17064
5.115		1445677	1271445
5.137		72056	35256
5.153		42726	26273
5.181		43555	34874
5.223		54863	61672
5.321		418391	354278
5.344		93932	66589
5.376		4207	3333
5.401		44112	38316
5.439		44802	44622
5.479		8168	7138
5.519		268497	239861
5.545		31999	20777
5.58		198256	187595
5.617		4976	4367
5.666		1640	3582
5.786		179021	167628
5.815		25293	18855
5.911		1200	2053
5.975		15298	17295
6.036		15221	31938
6.213		11070	11388
6.414		23550	25478
6.523		827	814
6.562	DCB	2546671	2612512
6.684		1524	1409
6.831		8014	27268
7.01		3038	6789
7.381		2480	5457
7.662		385	1498
7.795		4210	16268
8.288		2359	5777
8.506		7231	16547

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 4:04:44 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.034.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.077		34000	39310
2.127		19101	58422
2.158		1879	1246
2.218		5728	7794
2.279		8478	9709
2.331		3901	2663
2.407		51181	124007
2.469		53321	140106
2.532	TCX	11208880	7093788
2.636		5757	8335
2.704		47177	73692
2.749		220264	165956
2.789		4541	2432
2.817		71275	51831
2.865		42064	24994
2.895		3856	3095
2.933		15802	14036
2.976		5161	2994
2.999		22583	20822
3.025		144883	173407
3.067		1201	244
3.076		5684	2770
3.097		34111	21544
3.121		3612	1695
3.146		109129	79663
3.183		80189	49065
3.209		38361	20349
3.229		23314	11900
3.246		40154	52336
3.293		77504	39273
3.302		48015	18514
3.322		39346	17487
3.337		166276	125669
3.41		117975	79428
3.445		2441287	1538827
3.467		809124	461637
3.485		87807	37726
3.57		1626924	1079658
3.592		140000	71673
3.613		196499	135052
3.642		95964	46180
3.657		657107	402017
3.697		192047	136166
3.735		129106	107236
3.764		568212	318985
3.785		5577034	3698805
3.81		634405	351095
3.829		635424	357752
3.849		1141139	721711
3.883		5093754	3484804
3.913		1942816	1113016
3.929		1102817	546298
3.988		453715	331137
4.022		1757453	1287540

RT B	Compound B	Height B	Area B
4.043		22424	9741
4.078		4274783	3183426
4.11		1269570	951631
4.136		7216958	5420672
4.174		602657	566643
4.225		3678120	3022550
4.261		594789	440693
4.293		4090296	3001067
4.317		683786	457032
4.359		2850112	2191678
4.381		142309	75737
4.452		2486306	2722063
4.504		3641138	3016553
4.544		986053	832411
4.582		5340822	5037509
4.627		454302	327504
4.652		214684	146727
4.708		75185	85276
4.749		16129	9245
4.766		303063	227972
4.798		266610	172676
4.82		1692650	1397525
4.87		239029	195135
4.904		213034	177486
4.936		133030	102389
4.967		994906	766805
4.991		695523	655204
5.031		21387	13714
5.06		18920	15067
5.098		21350	40690
5.182		7099	8085
5.205		35643	31170
5.248		780236	836977
5.35		7267	11453
5.406		66631	68588
5.454		54994	41768
5.475		40232	27985
5.524		37761	35706
5.607		2675	2892
5.635		48732	42464
5.737		16564	30336
5.787		3754	3081
5.835		113964	98146
5.867		4224	6087
5.994	DCB	9305062	8631983
6.166		6707	10227
6.216		3418	2521
6.257		12641	20762
6.324		5375	7220
6.45		9372	9546
6.479		16995	24772
6.721		13238	17894
6.947		11832	22940
7.066		1964	1300
7.098		1858	2981
7.194		11864	20741
7.475		12688	24632
7.557		1879	1047
7.675		3108	4613
7.818		15075	42210
7.908		2604	2544
8.004		11910	20156
8.196		7710	17817
8.349		2154	3110

IC54X1724B AAIC54XAA CCAL 1727799999 10736 SW-846 8082

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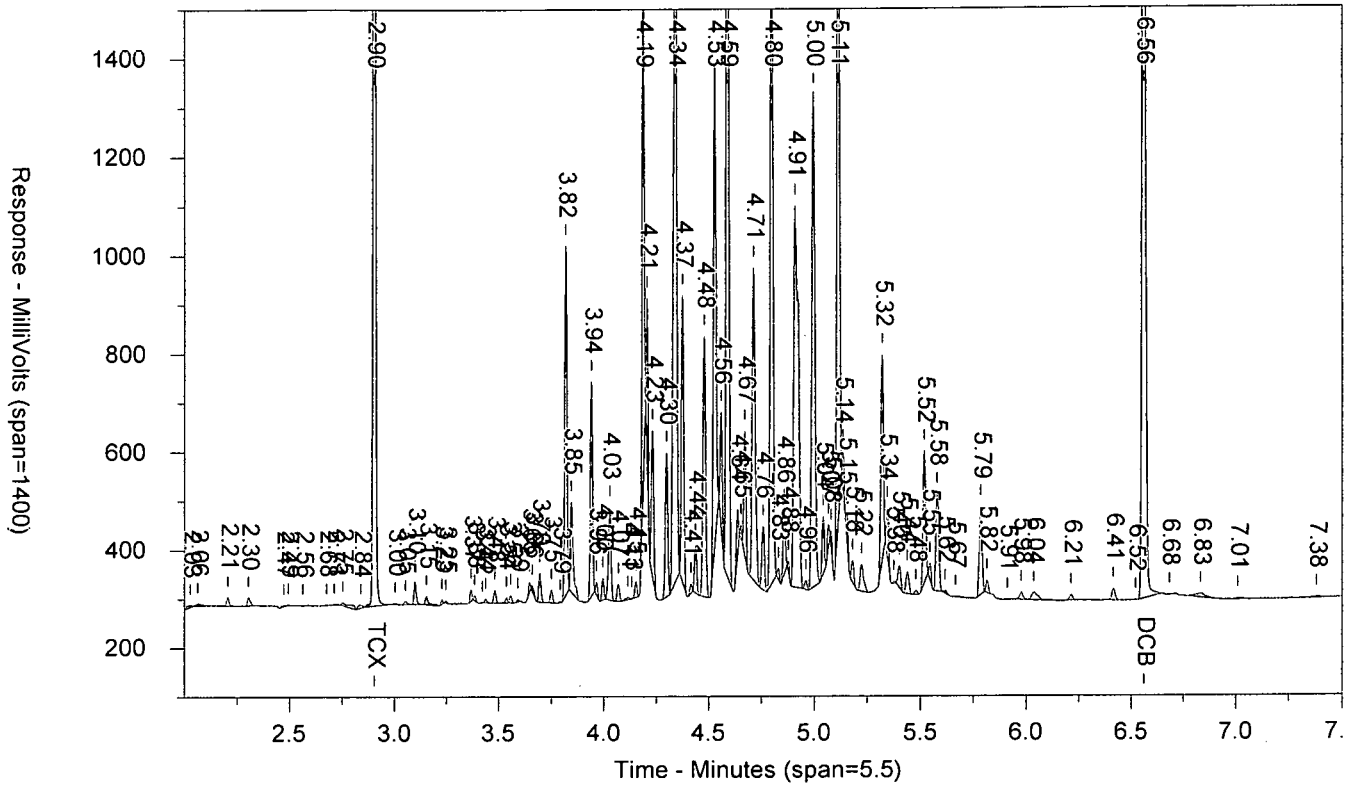

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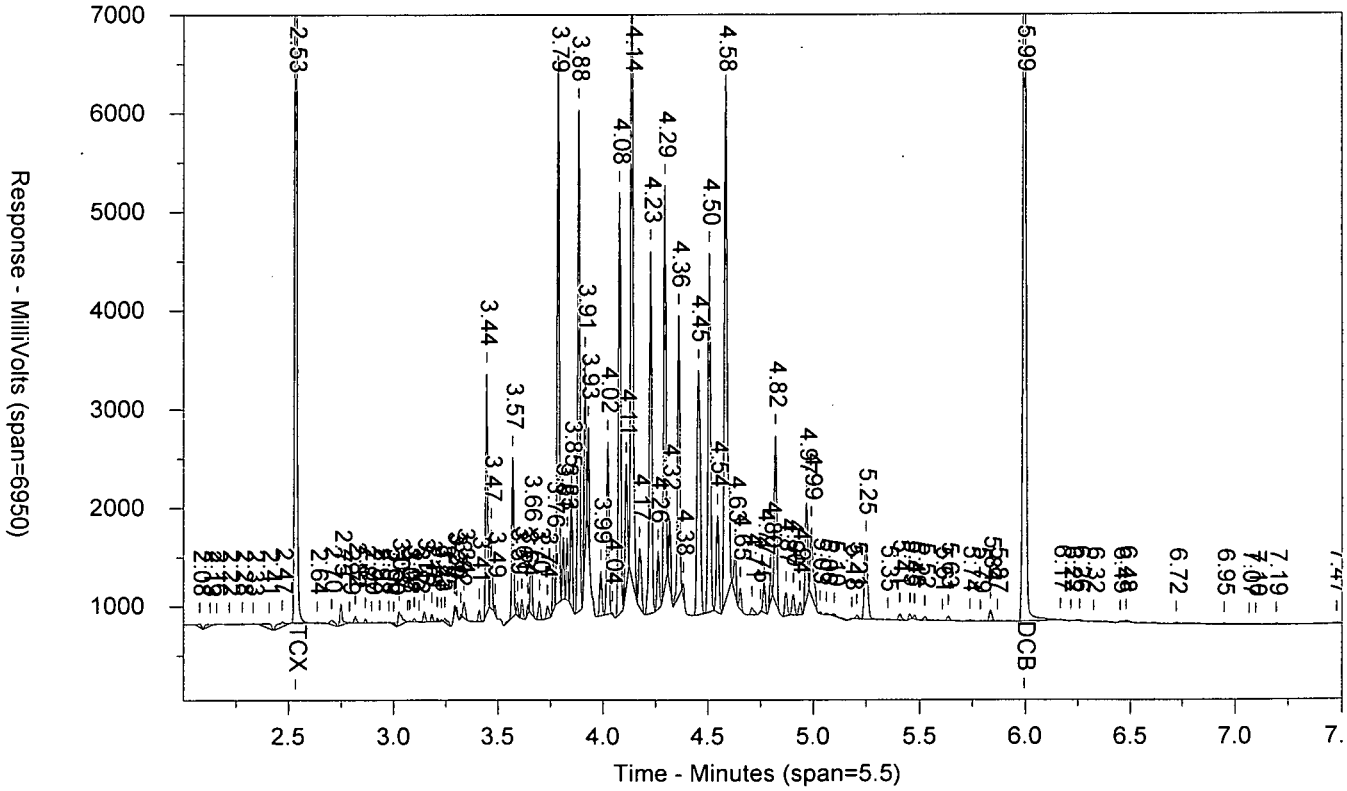

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 4:04:44 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.903	3806073	19.413	TCX	2.532	11208880	18.987	TCX
6.562	2546671	18.877	DCB	5.994	9305062	18.205	DCB

Files:
Area File: 20PCBS17278001.034.RAW
Area File: 20PCBS17278001B.034.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 4:13:29 AM
File Reported On: 10/6/2017 at 12:23:45 PM

IC54X1724B AAIC54XAA CCAL 1727799999 10736 SW-846 8082

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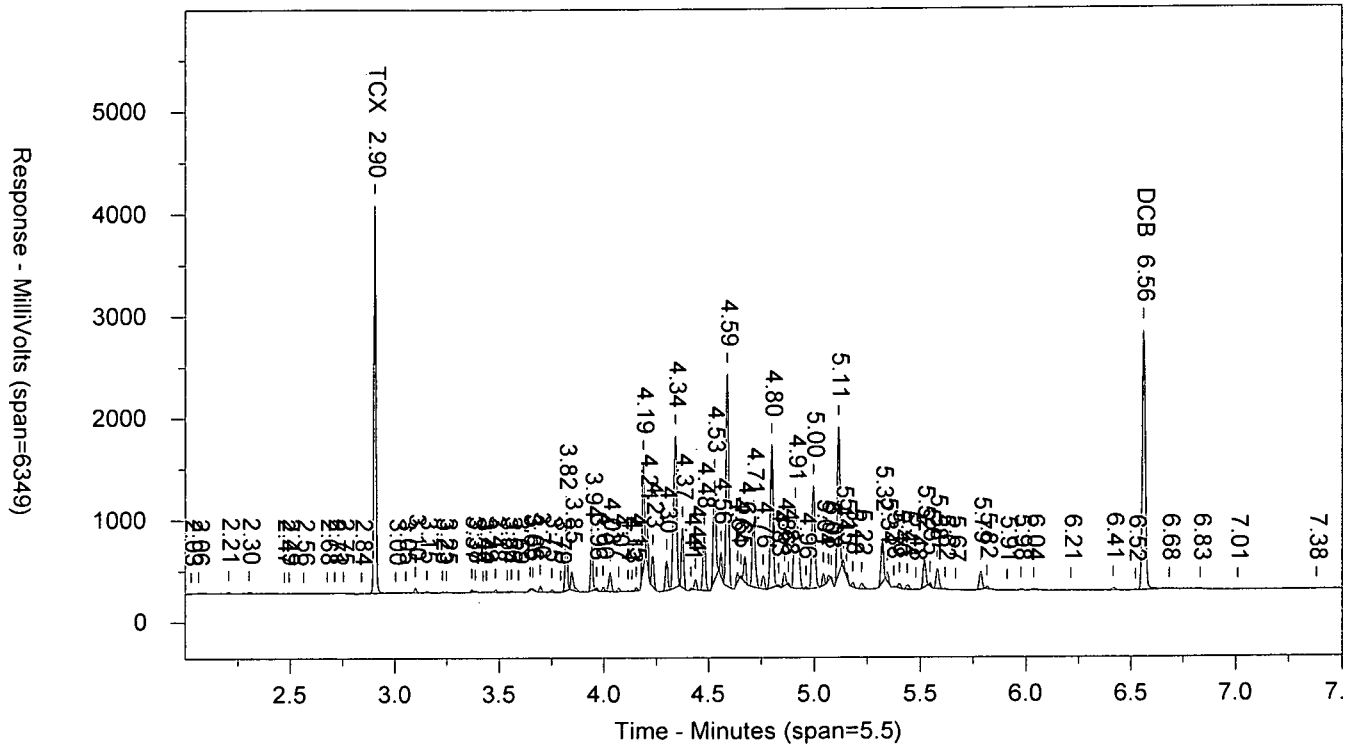

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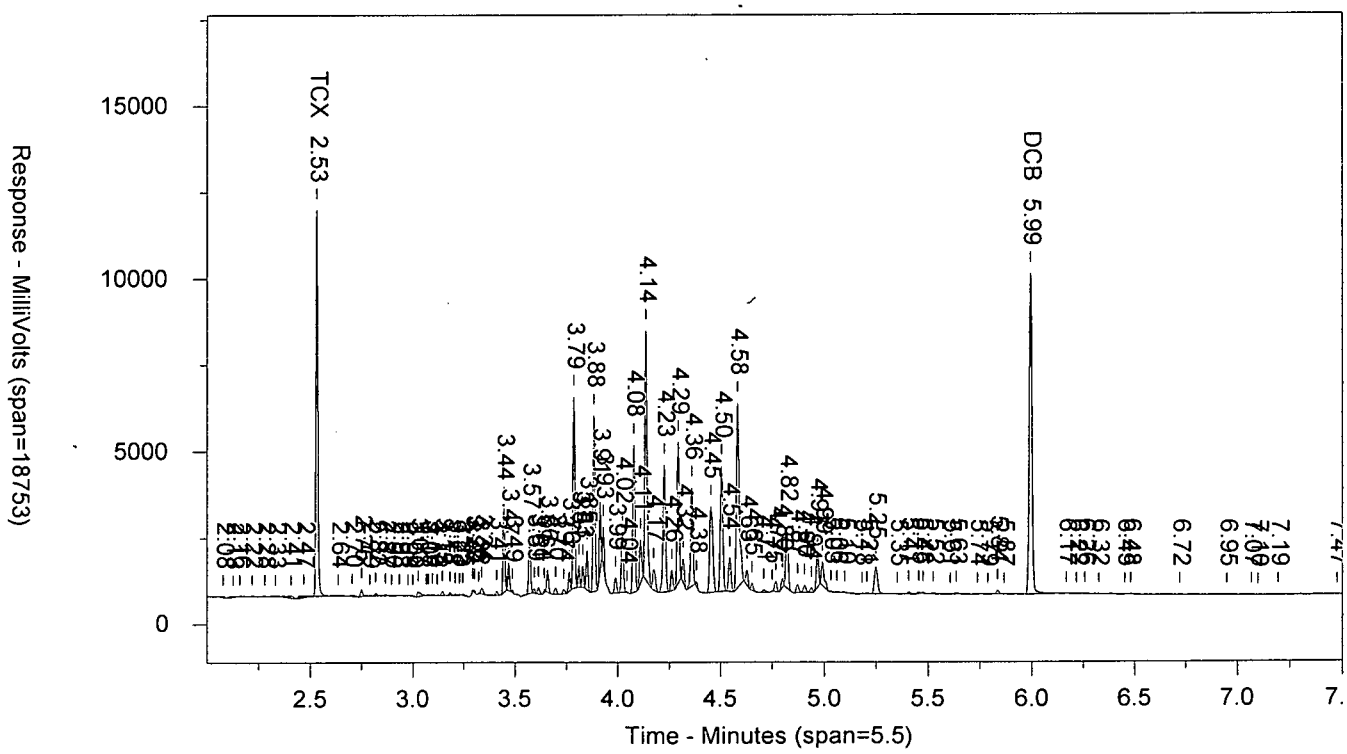

IC54X1724B AAIC54XAA CCAL 1727799999 10736 SW-846 8082

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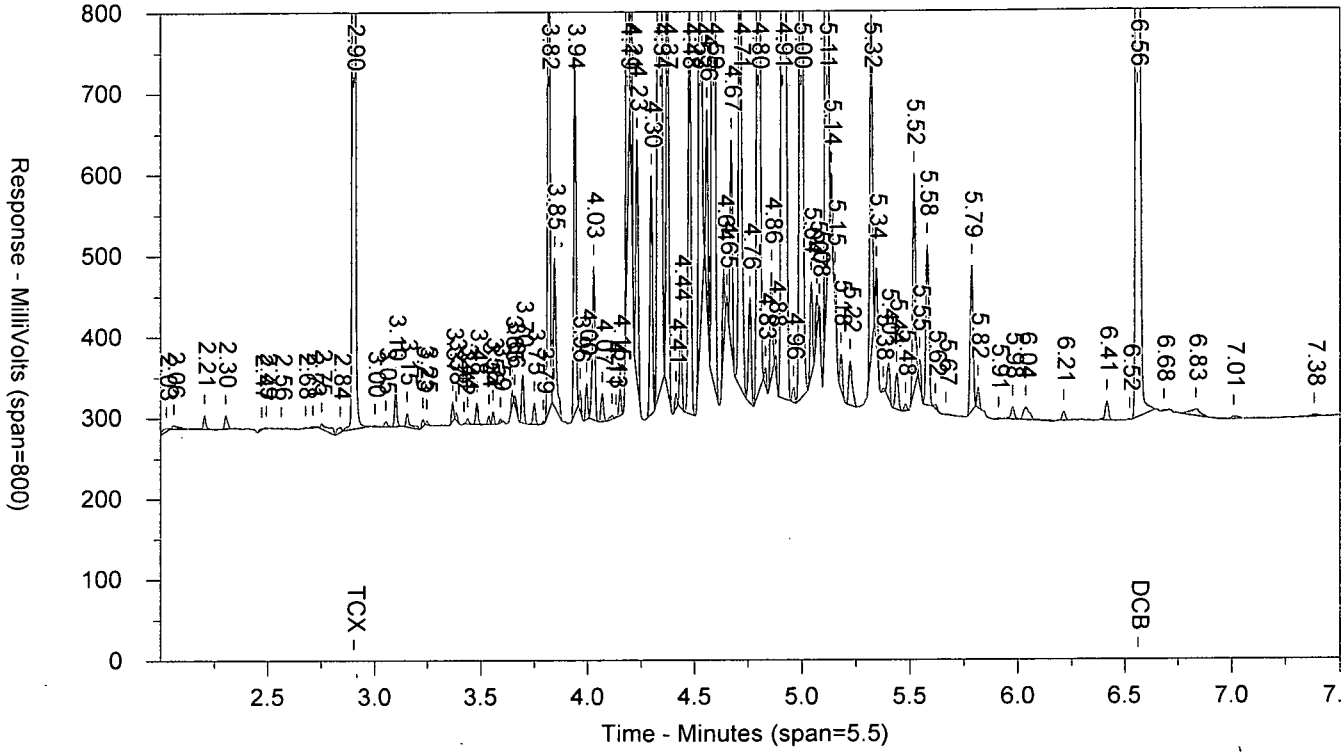

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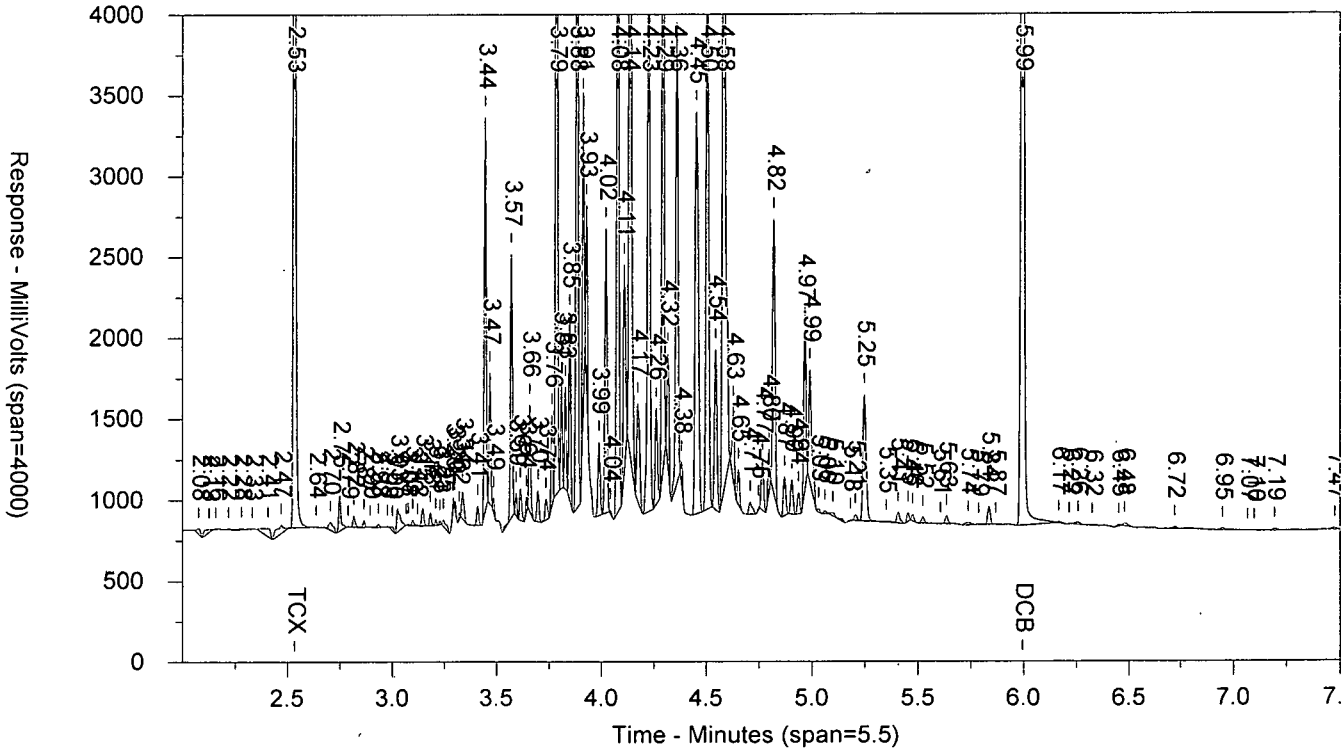


LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:02:31 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		12889	12338
2.085		7014	12517
2.158		663	788
2.23		14519	12307
2.293		915	733
2.329		12950	12909
2.367		953	1431
2.431		1438	1174
2.49		9036	8752
2.529		1425	1584
2.605		495	410
2.657		365	442
2.734		568	345
2.745		1356	818
2.777		8504	7435
2.851		2039	1542
2.895		6729	5385
2.929	TCX	2951316	2009645
3.026		1087	699
3.079		609	574
3.126		36906	25141
3.177		1409	1326
3.258		12094	12634
3.381		855	789
3.441		378	279
3.465		512	327
3.507		2697	2436
3.539		793	608
3.568		6933	4973
3.603		5992	5670
3.656		1855	1155
3.674		909	564
3.729		2220	1824
3.782		2853	2762
3.823		1672	1690
3.896		357	136
3.928		7833	8747
4.026		592	469
4.063		4635	5737
4.104		1754	1442
4.167		3069	3225
4.213		1990	2525
4.265		8829	15802
4.336		350	250
4.371		3753	4378
4.468		1773	1402
4.515		6216	6378
4.567		6110	6185
4.61		7350	8653
4.675		494	114
4.709		2471	2102
4.744		749	585
4.793		1298	1379
4.835		1389	1412

RT A	Compound A	Height A	Area A
4.872		30198	29806
4.966		9790	12148
5		1405	948
5.033		494	376
5.058		6044	5869
5.112		48437	44973
5.196		1756	3368
5.248		452	247
5.286		417	164
5.322		8898	12109
5.361		753	630
5.381		1129	1026
5.405		452	219
5.444		691	883
5.475		3601	4842
5.516		24483	25380
5.564		505	449
5.642		64577	69476
5.721		3060	3443
5.777		558	574
5.823		1713	1525
5.885		774	2161
5.957		6985	9244
6.014		41837	42226
6.078		66139	87366
6.193		33821	187051
6.45		24384	23331
6.511		4694	7218
6.6	DCB	1738580	1820466
6.774		2471	11144
6.832		4547	8960
6.883		12079	44040

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:02:31 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

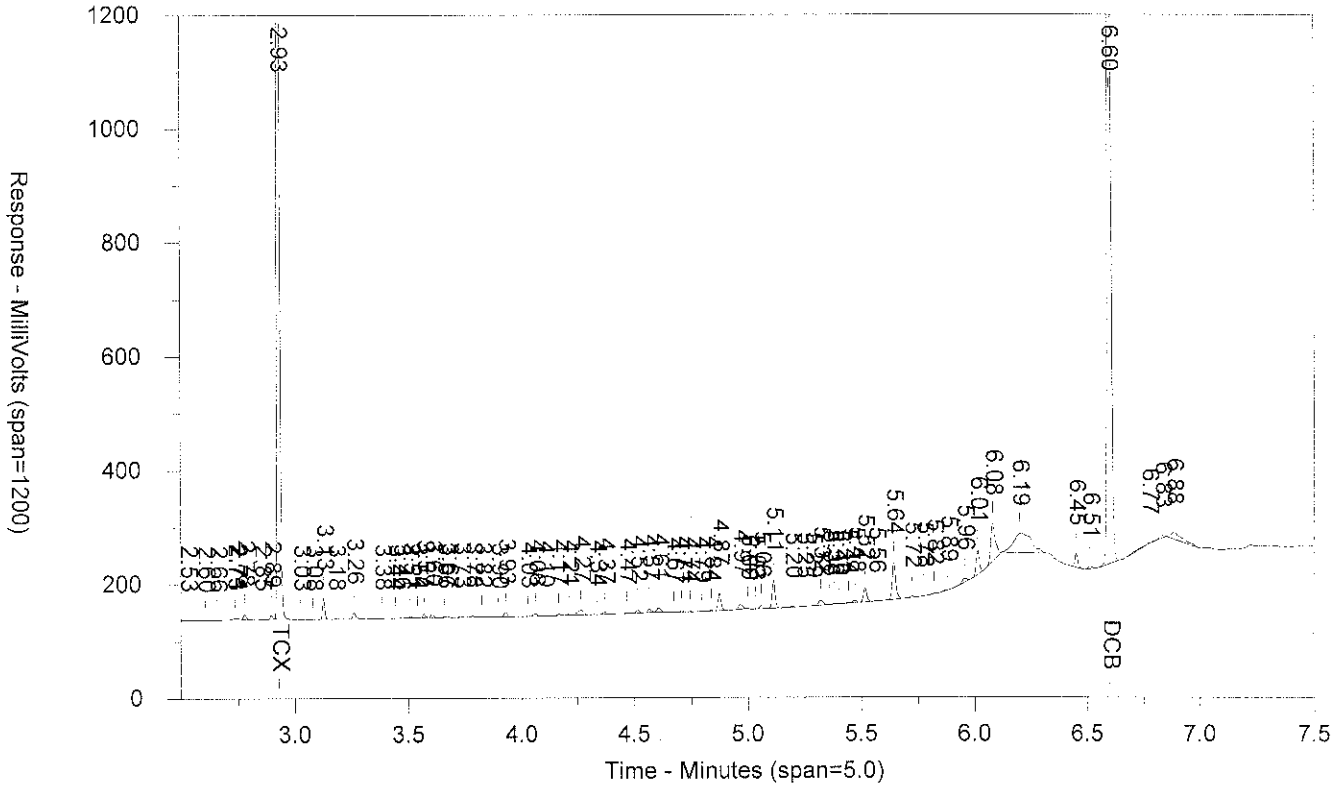
RT B	Compound B	Height B	Area B
2.055		11574	8824
2.144		5375	9835
2.189		6561	9635
2.274		1669	1362
2.409		2781	3532
2.466		8764	58244
2.548		33623	56200
2.614	TCX	5245995	3058044
2.703		2268	3075
2.832		73971	48767
2.899		3296	2981
2.948		12477	8319
3.009		2771	2503
3.068		1636	5005
3.126		1083	3275
3.149		504	208
3.159		839	296
3.176		366	61
3.203		1056	341
3.213		848	139
3.229		4345	2660
3.263		1065	372
3.291		17385	11448
3.316		2739	1424
3.327		2672	1201
3.347		747	236
3.354		3928	1662
3.381		5170	5574
3.427		3975	2692
3.453		1754	868
3.475		231	70
3.494		6113	4633
3.526		613	140
3.538		4024	1915
3.553		517	119
3.569		1449	692
3.586		2456	1848
3.603		1730	1262
3.637		2818	3700
3.648		871	213
3.657		969	274
3.677		1201	578
3.701		538	224
3.707		620	109
3.713		766	201
3.728		6617	4100
3.757		9399	6400
3.787		3522	2883
3.833		3099	2621
3.858		3702	2145
3.882		12666	17071
3.946		7753	7195
3.99		1150	478
4.023		9724	7187

RT B	Compound B	Height B	Area B
4.076		8323	8700
4.109		3211	1970
4.132		3484	1811
4.151		16108	12794
4.218		6336	5898
4.273		1252	802
4.318		1106	1971
4.331		3982	2373
4.365		5222	10706
4.437		67378	64831
4.562		7322	6184
4.582		1313	804
4.618		12408	9215
4.664		95994	84797
4.717		2692	5312
4.742		1951	1988
4.815		976	724
4.839		1915	1254
4.873		858	942
4.912		4302	3694
4.935		2019	1619
4.972		6351	5484
5.023		2224	3350
5.034		2835	1016
5.055		41104	31323
5.132		1598	1664
5.177		101118	88797
5.249		4252	9059
5.318		1729	5787
5.338		6583	6159
5.371		4447	5093
5.463		2685	2644
5.518		92463	87170
5.585		138863	123922
5.635		31660	28596
5.679		1661	1040
5.726		1127	1762
5.746		1320	458
5.764		1394	1175
5.8		4244	4861
5.839		1890	2510
5.873		2830	2943
5.916		1448	2293
5.94		64100	55625
5.977		3123	3799
6.021		1845	2007
6.054		4472	4085
6.098	DCB	5456633	4629189
6.166		16413	27153
6.257		3978	8677
6.289		4193	4426
6.341		1106	1945
6.362		1285	1093
6.372		2103	1522
6.414		1192	920
6.434		982	1038
6.484		1044	1236
6.518		2987	3821
6.551		7066	5958
6.595		1458	408
6.609		862	438
6.621		2327	2175
6.687		513	1224
6.731		5394	10215
6.793		5251	14173
6.863		1922	4649

RT B	Compound B	Height B	Area B
6.892		3624	7769
6.962		2139	1601

IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.005.RAW



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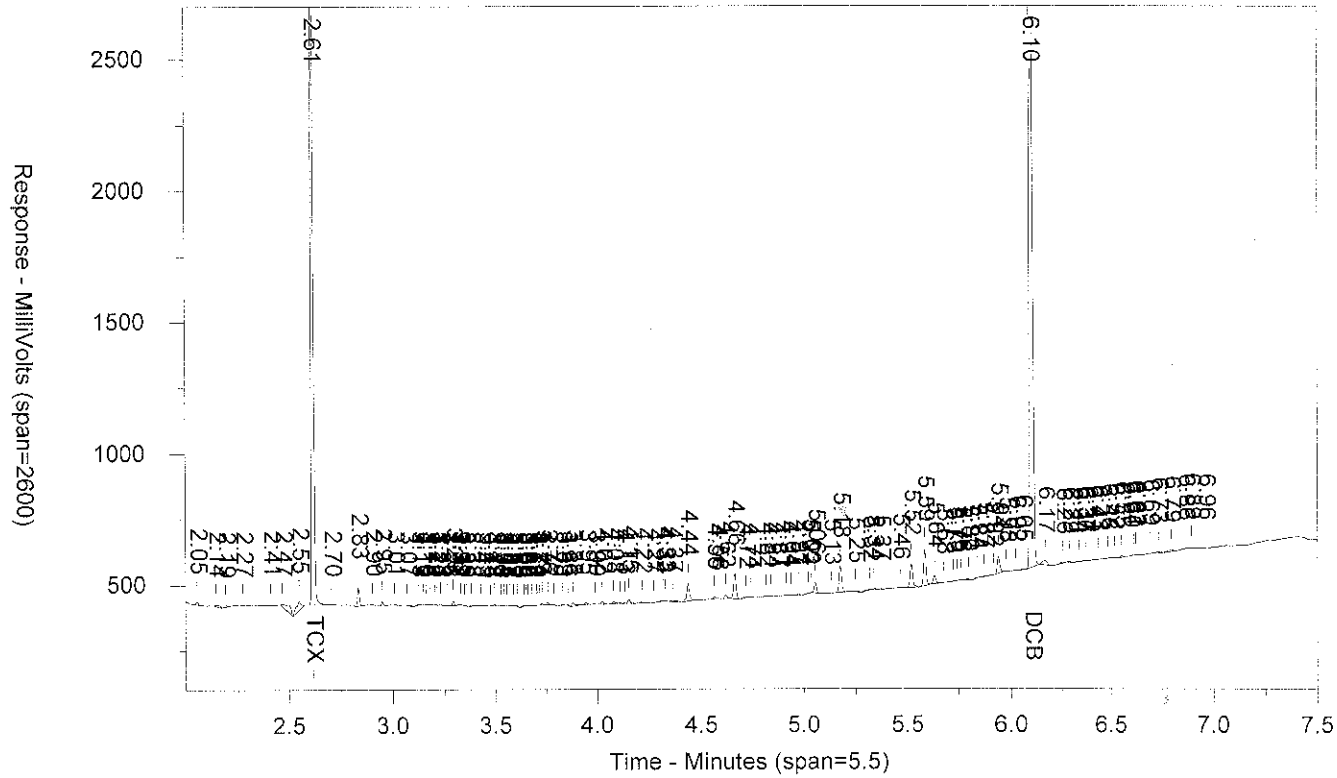

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:02:31 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.929	2951316	.196	TCX	2.614	5245995	.193	TCX
6.6	1738580	.18	DCB	6.098	5456633	.18	DCB

Files:
Area File: 25PCBS17284001.005.RAW
Area File: 25PCBS17284001B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:12 PM
File Reported On: 10/12/2017 at 3:32:48 PM

IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082

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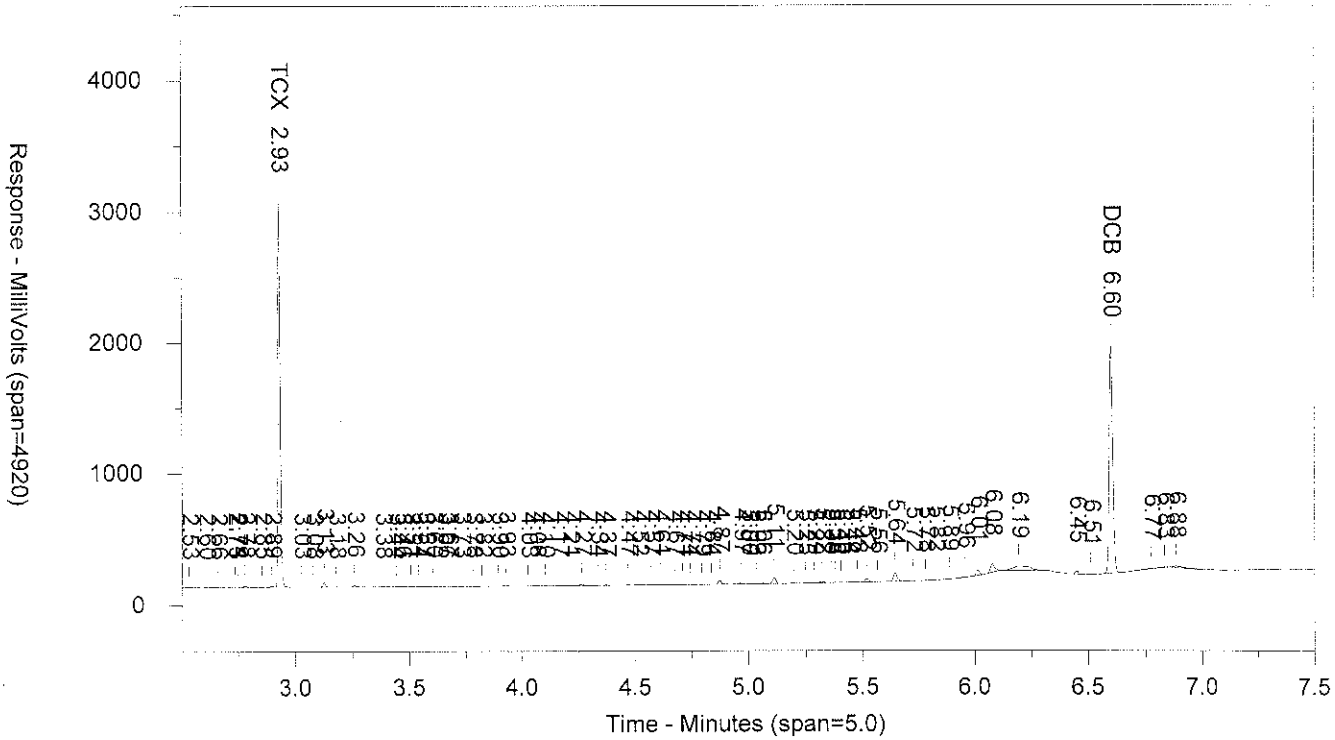

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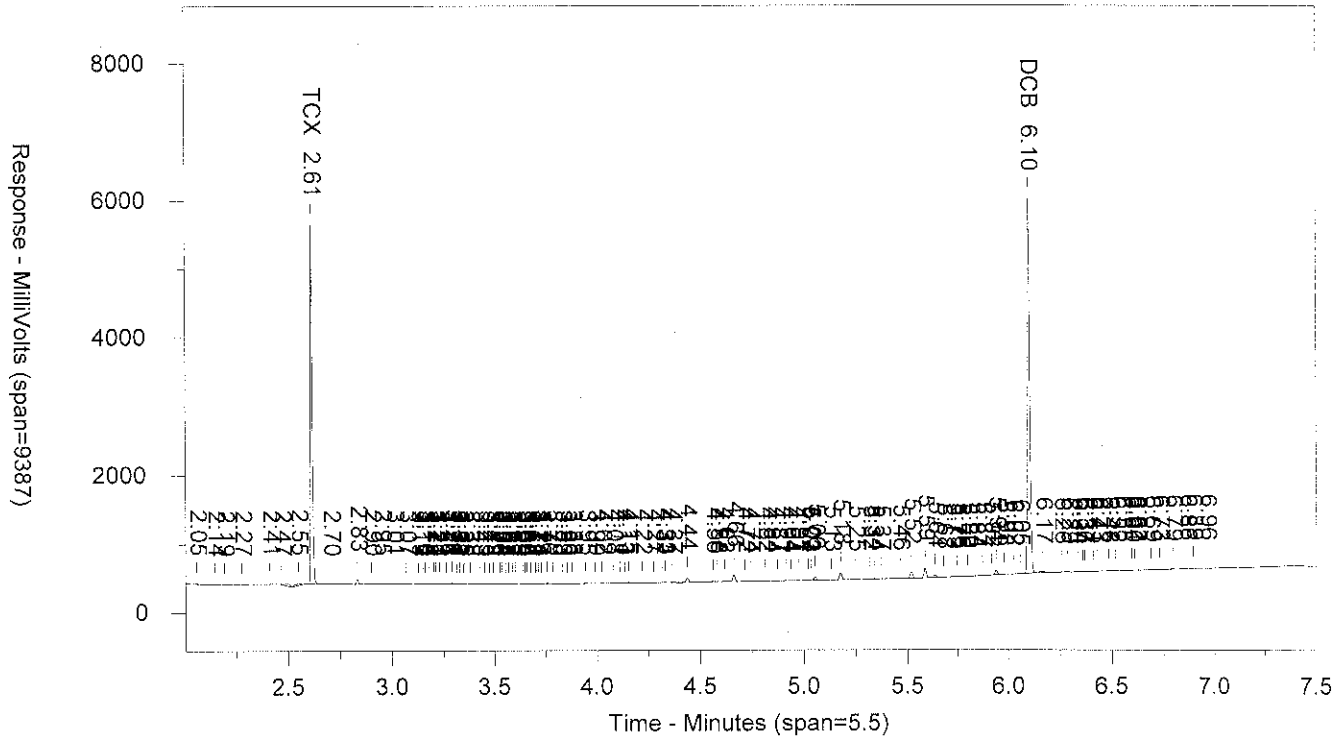

IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082

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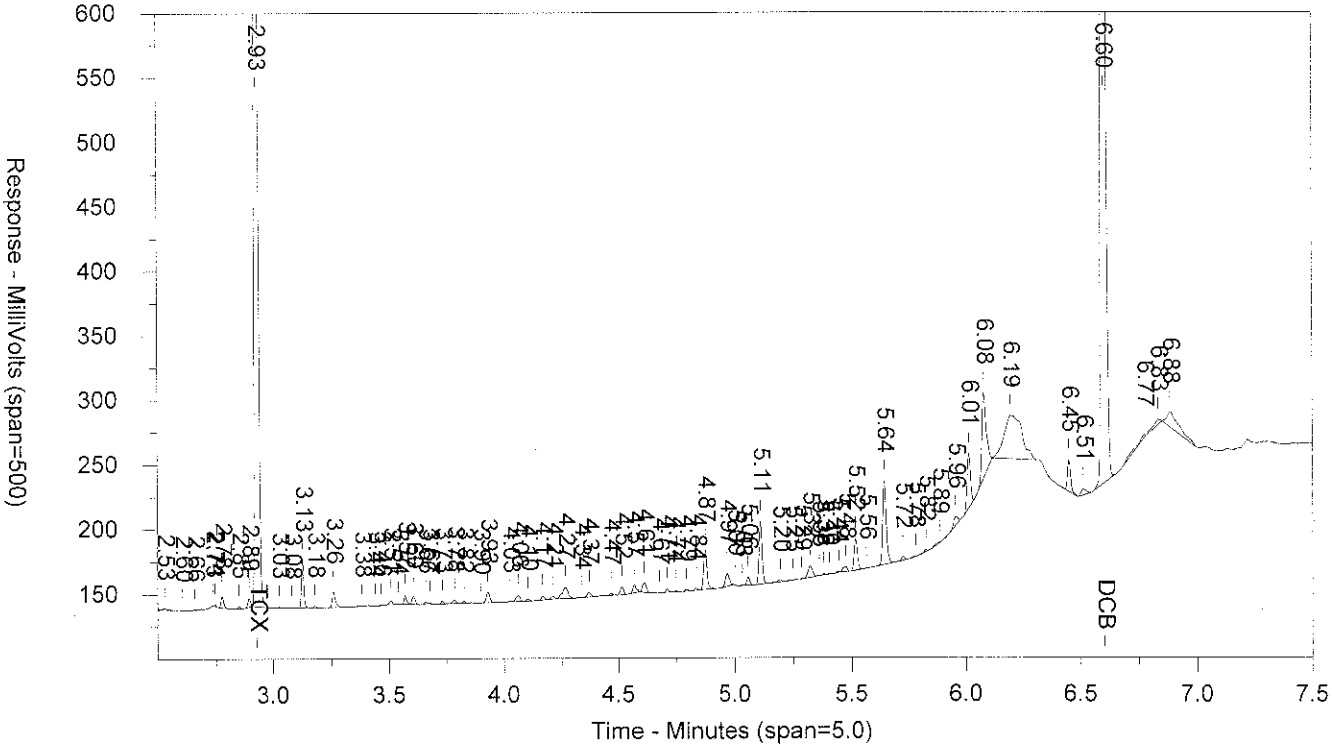

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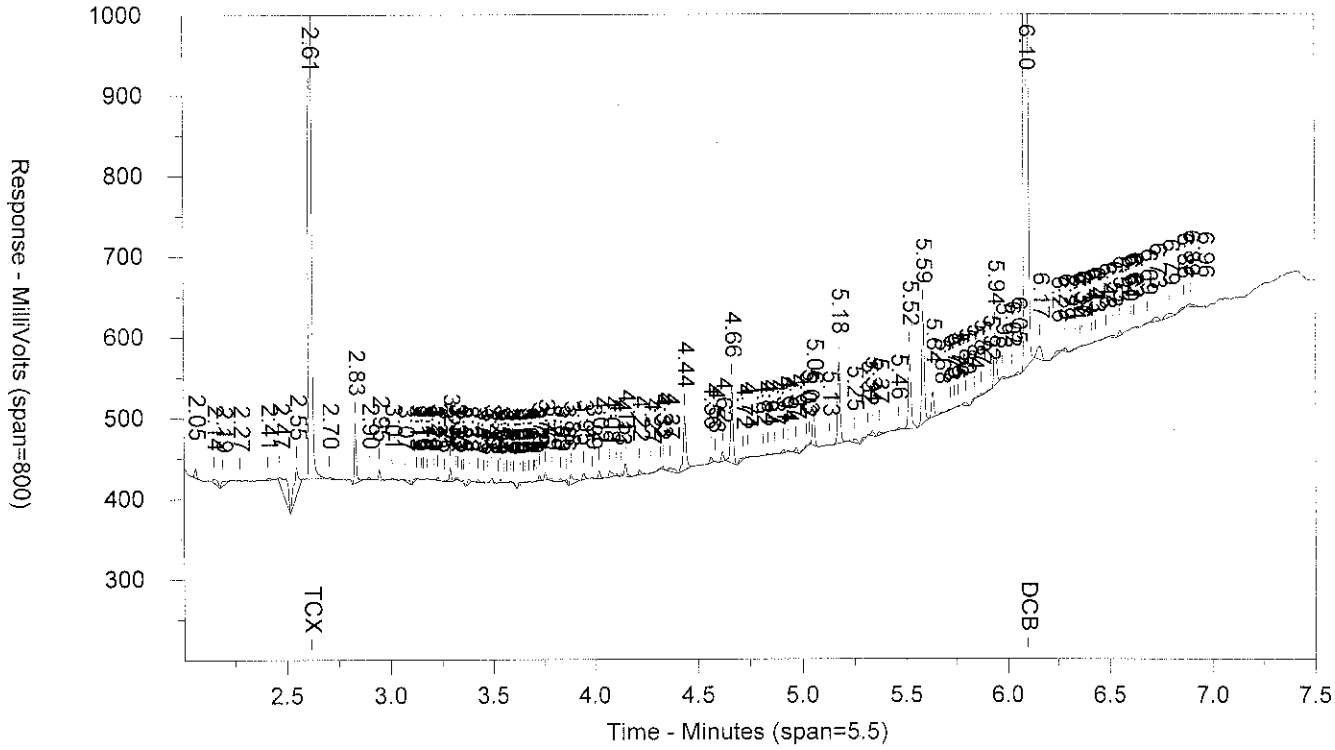

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:13:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.034		9997	10772
2.084		8367	13069
2.128		7716	5331
2.206		3170	2064
2.23		13876	10481
2.298		645	532
2.333		54153	40808
2.433		1258	862
2.502		68705	50027
2.531		1273	1222
2.606		673	697
2.659		930	925
2.677		575	168
2.745		3148	5706
2.777		9194	8235
2.853		802	567
2.874		284	110
2.895		4432	3297
2.93	TCX	2984683	2049226
3.02		1283	1142
3.078		556	532
3.127		37377	25985
3.159		512	231
3.177		890	496
3.207		1705312	1132724
3.258		9694	9343
3.307		5162	3744
3.36		1817	1693
3.404		1338466	892004
3.441		34828	25332
3.489		638	413
3.516		560137	395234
3.569		14079	10313
3.604		3632	3354
3.629		849	322
3.692		63511	54365
3.716		1975	1961
3.764		1442	1109
3.782		1528	1111
3.81		123409	93682
3.838		6266	3448
3.855		2147	1033
3.927		6975	6709
3.959		3070	2113
3.997		3278	3452
4.046		9189	6593
4.078		13834	11729
4.104		533	189
4.124		13049	10834
4.167		119090	95907
4.218		29408	35065
4.25		2855	2078
4.271		2908	2261
4.34		5959	6360

RT A	Compound A	Height A	Area A
4.377		115761	104503
4.434		417	192
4.465		1409	992
4.494		5620	6894
4.527		79857	73914
4.57		74936	63188
4.611		4110	3955
4.641		1242	691
4.693		107992	104224
4.766		1514	947
4.794		112031	102715
4.832		3223259	2967000
4.879		46223	44068
4.936		285101	261264
4.97		4335	4200
5.02		124089	142766
5.06		1553	833
5.084		180886	164030
5.114		38443	30373
5.14		2573	1235
5.172		3497638	3239062
5.25		9765	8971
5.274		4683	3340
5.325		5257	6869
5.359		815	319
5.391		305527	365379
5.478		4403	3501
5.531		3911455	3816187
5.571		82474	65453
5.612		414300	388027
5.643		48654	42797
5.759		463	420
5.794		1175	805
5.821		1854	1798
5.869		2097	3428
5.96		3976	5952
6.015		45913	46556
6.079		67303	80417
6.168		568	1133
6.251		2074	3185
6.29		1396	2369
6.399		320	6593
6.454		28162	33868
6.52		2968	4585
6.602	DCB	1916549	1987157
6.663		955	713
6.696		461	188
6.723		517	182
6.745		835	812
6.774		1448	1330
6.856		413	292
6.887		8619	23665

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:13:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		11660	9731
2.111		1917	2096
2.153		92554	62639
2.184		4270	2548
2.206		5787	4094
2.247		3225	3439
2.275		3821	5030
2.32		128392	77743
2.368		2270	1557
2.41		3474	3904
2.466		2769	2157
2.548		22944	30134
2.614	TCX	5321719	3116648
2.703		4563	5327
2.781		3342	3897
2.802		3103	3560
2.832		75209	47236
2.888		12426	11413
2.925		1361	1079
2.96		3015958	1630289
3.053		3432	2694
3.077		13550	9820
3.113		72833	44650
3.132		830	300
3.169		2300169	1305773
3.237		21585	16529
3.271		6604	4822
3.292		9014	4574
3.313		2689	1420
3.328		6980	3309
3.35		1089343	615240
3.379		4848	4346
3.407		2009	1109
3.433		27662	15675
3.451		21966	11545
3.473		319518	204348
3.504		9994	6051
3.547		13976	14897
3.567		3569	1628
3.586		15254	12859
3.627		7441	3710
3.653		1922	3062
3.672		6066	3311
3.687		804	594
3.717		1151	622
3.728		8656	3618
3.763		245125	156605
3.78		8278	3045
3.795		17209	7634
3.811		20011	9771
3.841		17658	11096
3.86		61208	36282
3.883		17412	9528
3.948		9160	7786

RT B	Compound B	Height B	Area B
3.974		6394	3522
3.995		247981	167710
4.024		20774	13989
4.076		7705	8224
4.093		3798	1662
4.109		4289	1835
4.127		12210	7303
4.149		144753	114646
4.194		12337	9434
4.221		3561	2209
4.244		176885	140577
4.301		2165	1849
4.314		1337	733
4.329		2936	1521
4.368		214033	176416
4.425		6852888	5091763
4.466		114922	90237
4.519		694907	554917
4.561		26920	18133
4.58		6512	5105
4.63		224819	179457
4.664		89956	66144
4.696		7351977	5567476
4.755		380809	306647
4.787		10037	7468
4.816		2059	1002
4.867		24185	22897
4.905		17263	14858
4.936		2195	1517
4.976		6567	4468
5.023		470390	421542
5.055		24256	15177
5.125		7898498	6619656
5.179		127967	118155
5.243		2744	3320
5.301		974813	819669
5.356		56687	49625
5.424		1010	596
5.46		1132	1175
5.519		95465	85681
5.587		140981	126201
5.636		33612	28196
5.687		1464	1661
5.72		1785	1810
5.76		1801	2544
5.799		3844	5836
5.874		3502	10673
5.916		1542	2098
5.941		73057	60741
5.977		3274	3936
6.028		2580	1712
6.056		5685	5512
6.099	DCB	5957113	5066872
6.164		22932	36374
6.219		719	469
6.269		2303	9553
6.288		1486	903
6.337		1670	2276
6.354		1377	936
6.647		104472	963710
6.79		9253	12472
6.852		1639	1706
6.882		1856	1375
6.898		4155	4337
6.942		1884	678
6.957		2197	1082

EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082

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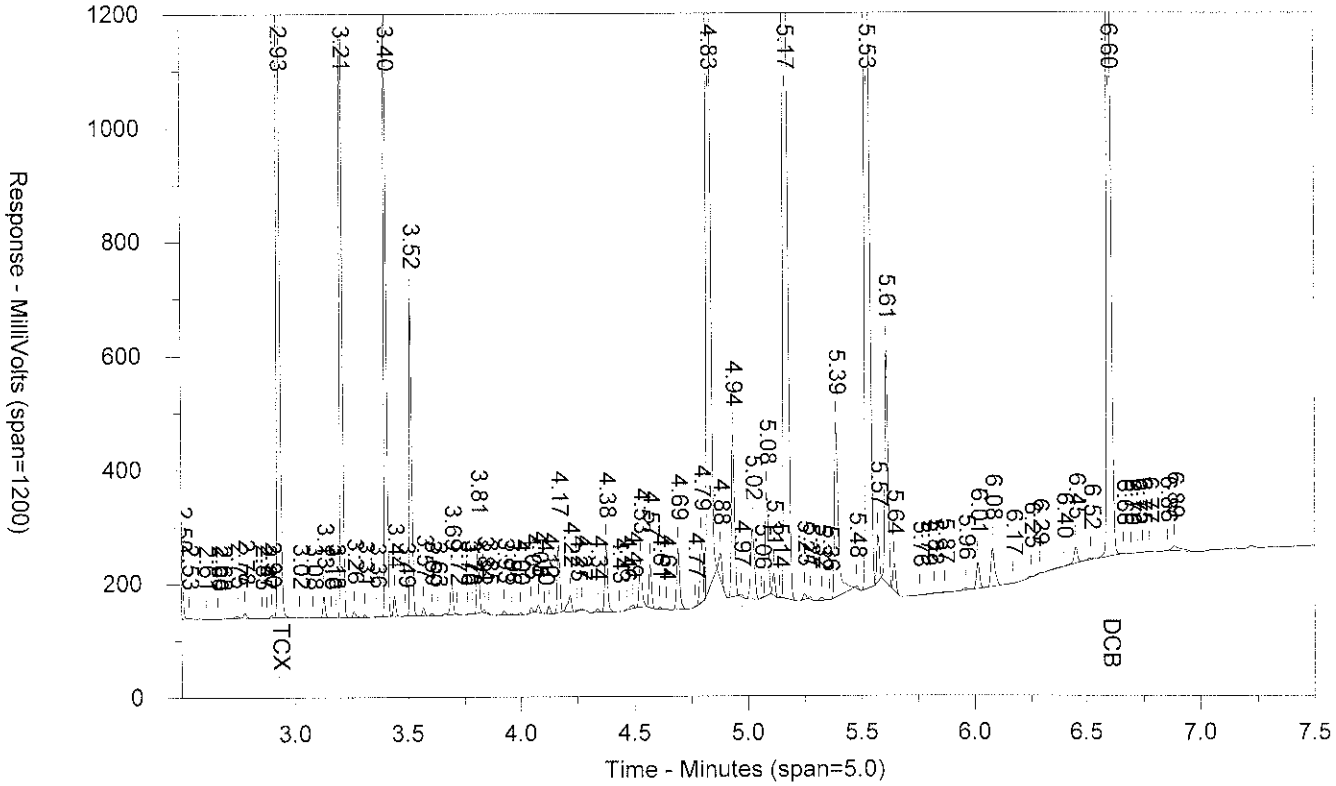

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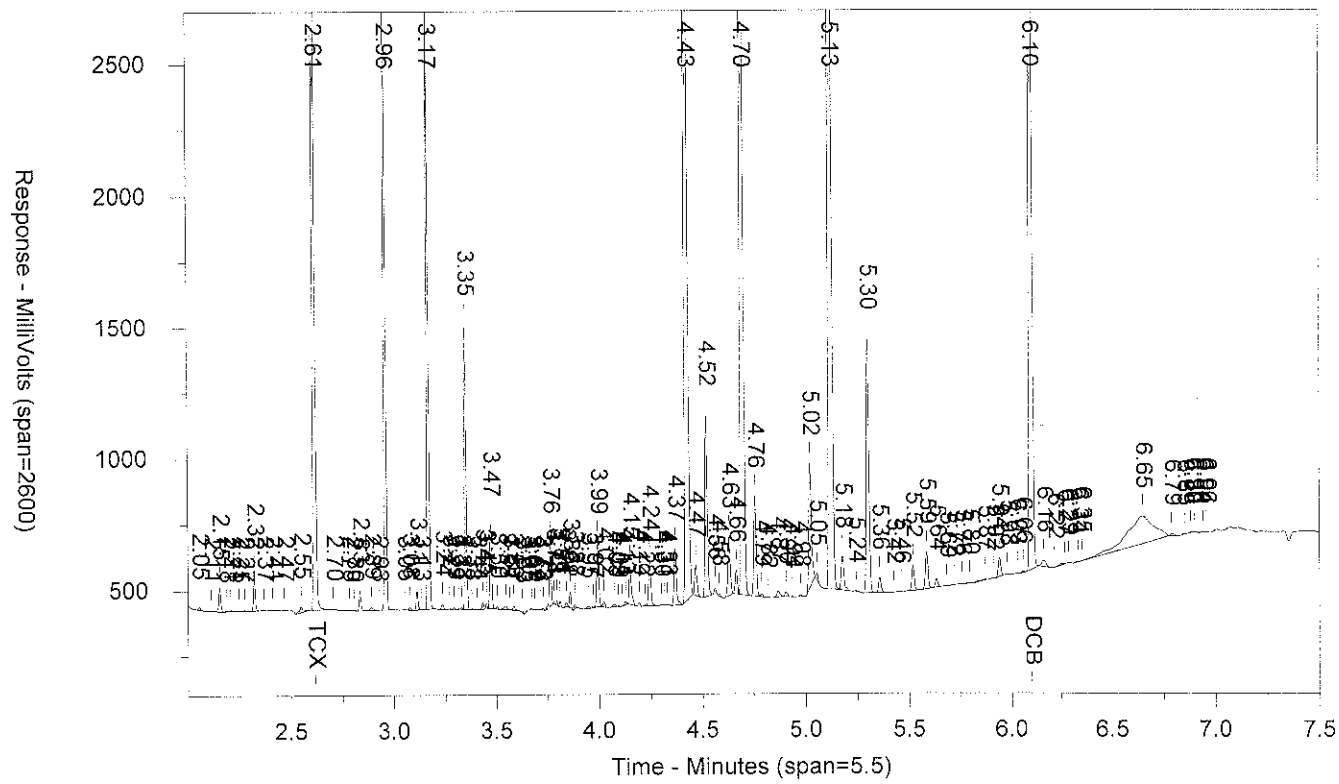

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:13:49 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2984683	19.783	TCX	2.614	5321719	19.534	TCX
6.602	1916549	19.883	DCB	6.099	5957113	19.678	DCB

Files:
Area File: 25PCBS17284001.006.RAW
Area File: 25PCBS17284001B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:13 PM
File Reported On: 10/12/2017 at 3:33:02 PM

EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082

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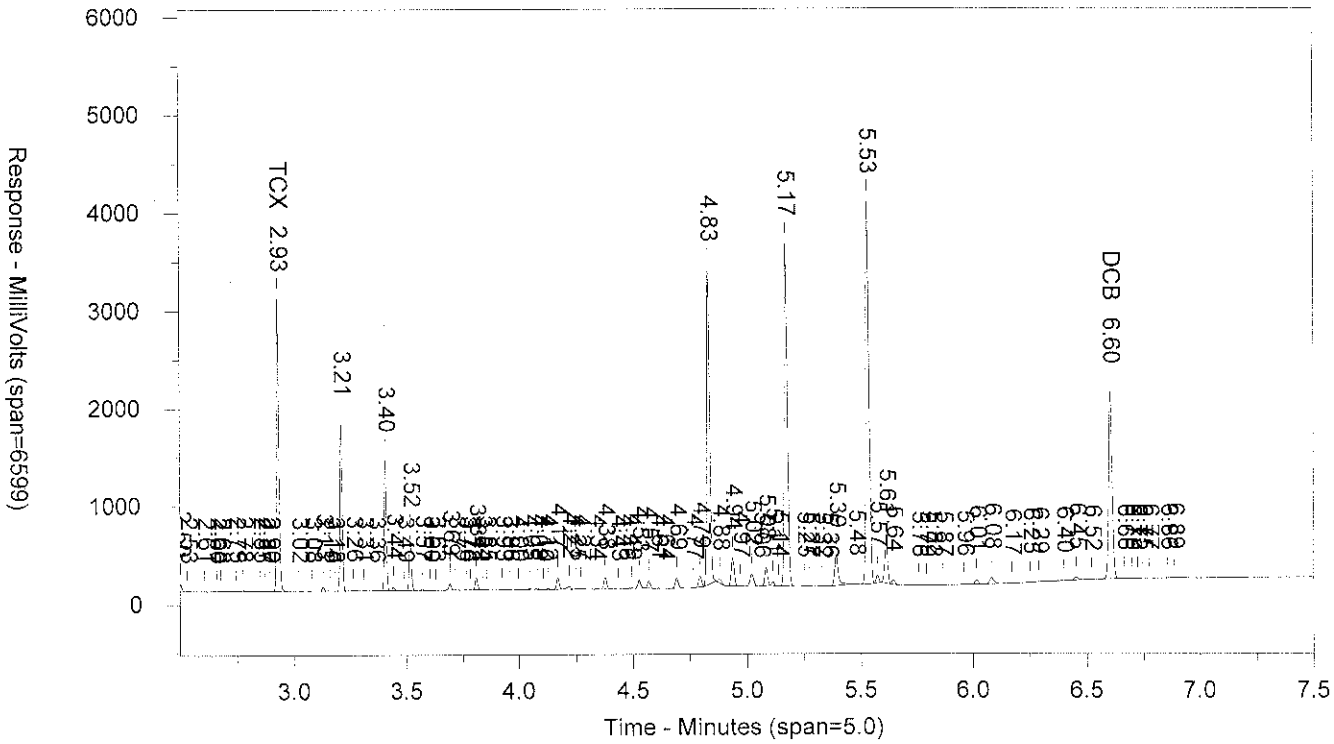

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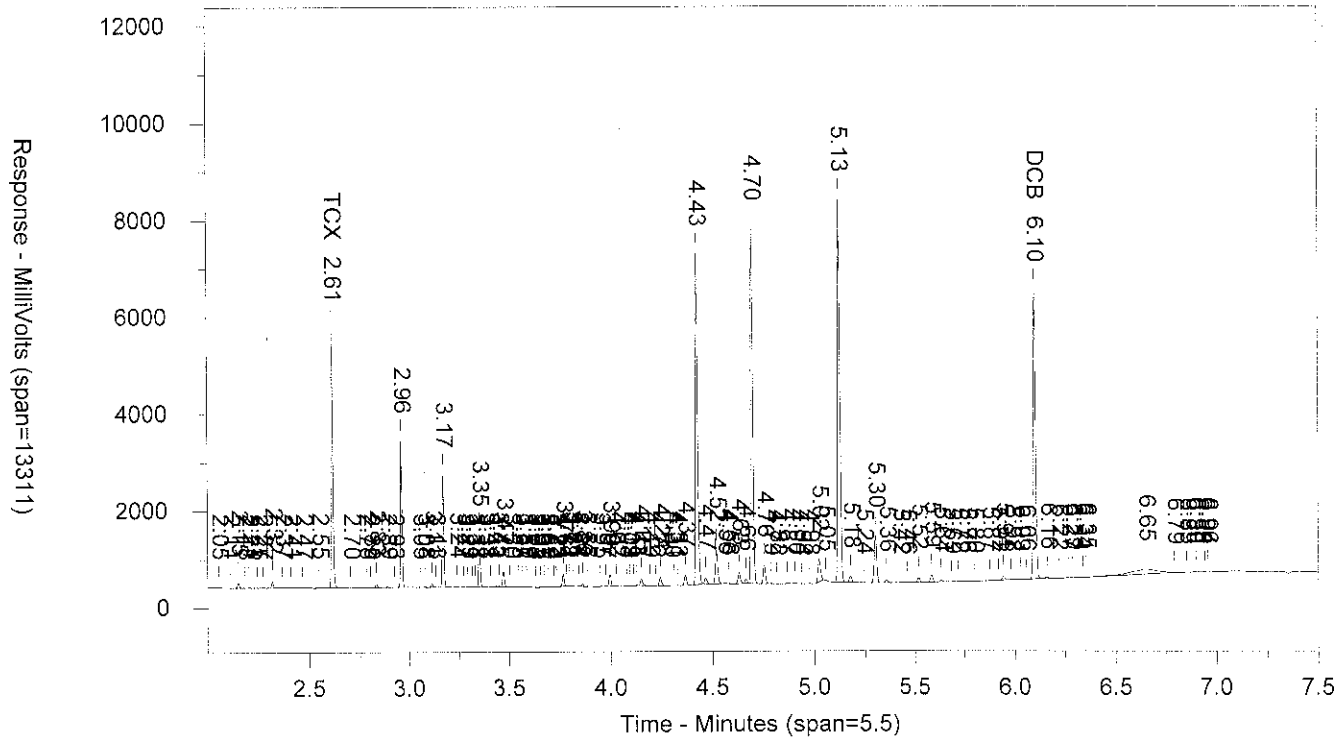

EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082

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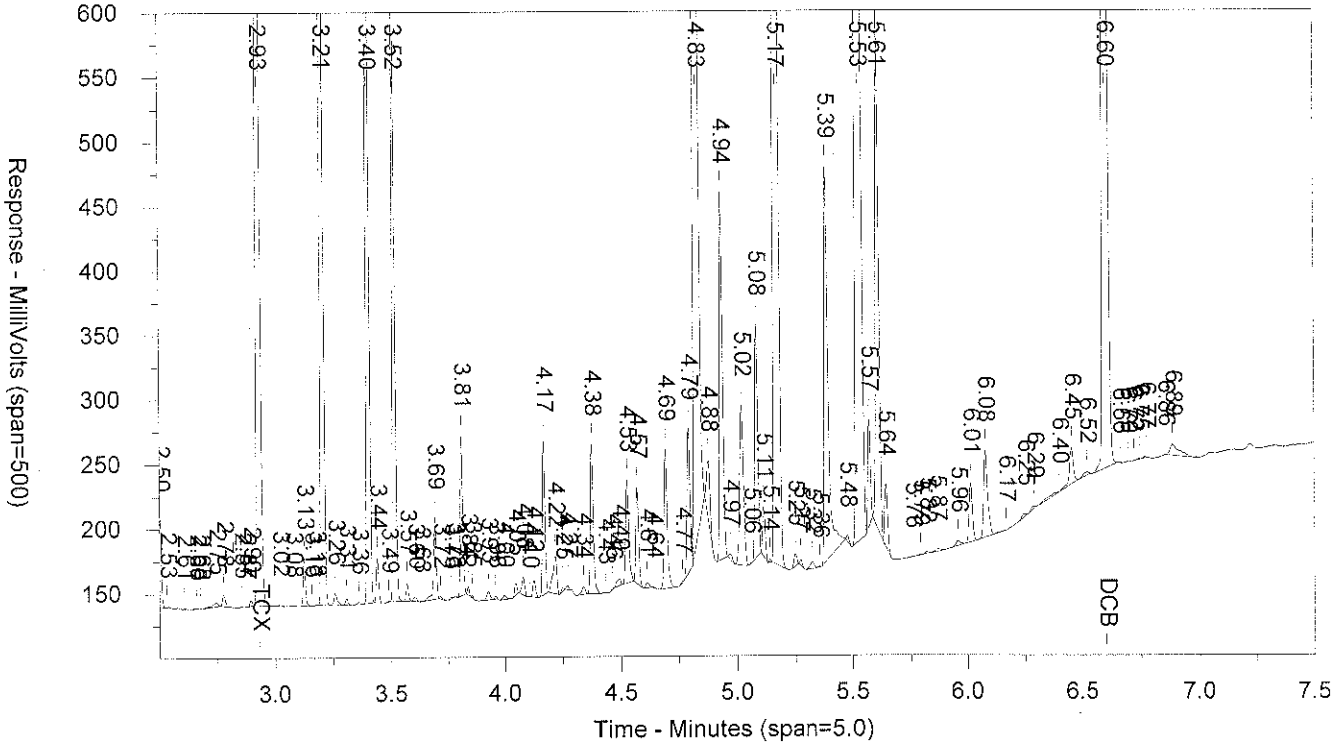

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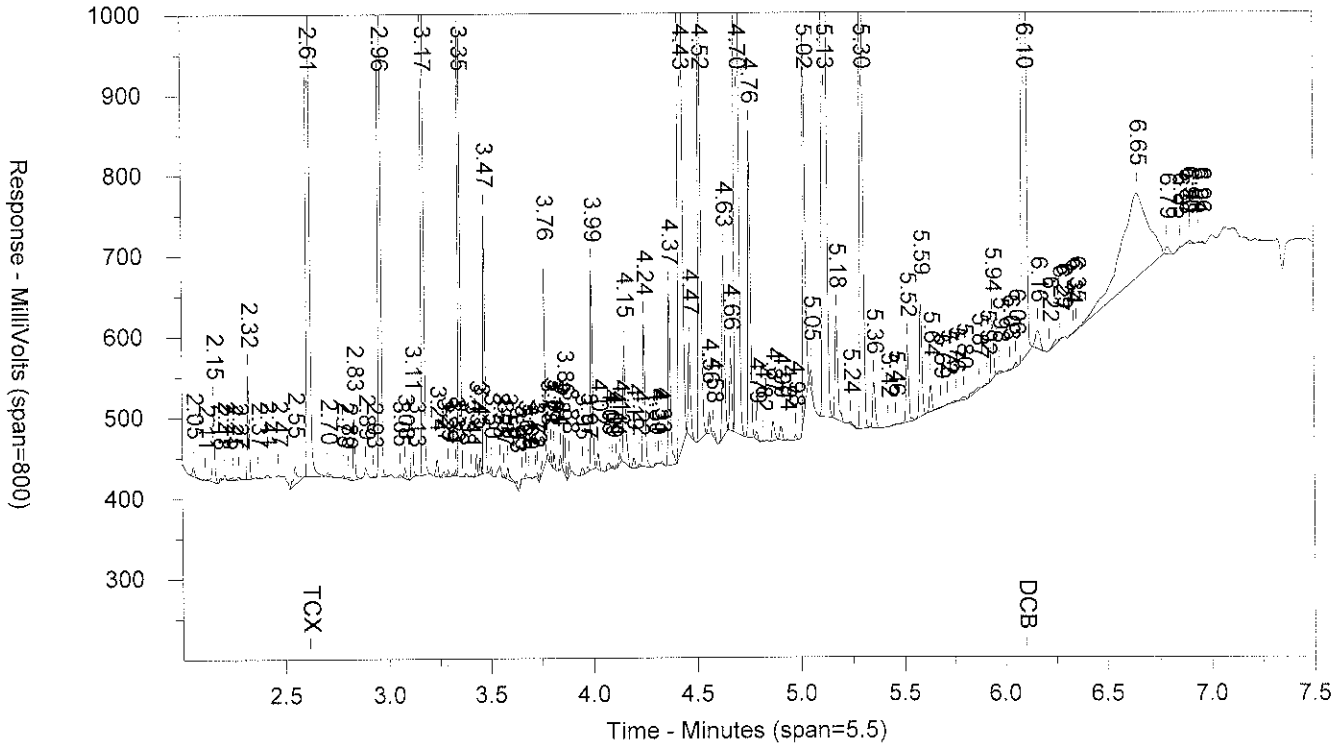

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:25:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		11326	10602
2.09		17494	37007
2.231		1603	1668
2.298		923	715
2.33		10557	7649
2.362		774	249
2.417		294	262
2.49		8049	8167
2.533		1659	1746
2.569		2207	1529
2.714		566	910
2.746		1948	2184
2.777		21079	20444
2.85		879	635
2.897		5815	4698
2.93	TCX	299790	210417
3.032		478	524
3.078		17436	15272
3.133		16837	13511
3.181		74237	54055
3.274		11723	13695
3.314		294	119
3.368		402	297
3.397		69806	42054
3.414		29344	16250
3.451		7193	4025
3.467		2542	1129
3.512		89757	68073
3.541		451	283
3.565		671	446
3.587		4729	2703
3.605		1119	477
3.622		13993	7725
3.637		7349	3671
3.68		35029	18685
3.691		66617	33955
3.728		98237	75617
3.785		81699	61850
3.825		6799	4836
3.854		52620	39825
3.882		43788	67118
3.93		4752	3883
3.977		59566	42135
4.001		18616	11924
4.032		23436	15774
4.064		64359	64950
4.104		19081	15839
4.151		1714	1380
4.172		1188	779
4.19		5223	3254
4.225		57117	40712
4.242		8410	4120
4.267		19653	17280
4.337		7887	6823

RT A	Compound A	Height A	Area A
4.379		65746	64157
4.413		3775	2900
4.472		2086	1641
4.514		27536	26627
4.567		8014	5356
4.583		14095	8789
4.627		35546	33747
4.678		54424	57999
4.713		12922	9229
4.753		128081	123903
4.795		5801	5255
4.838		20227	20634
4.874		4975	3751
4.899		21188	19011
4.95		149180	201092
5.001		28588	25945
5.041		69818	77560
5.084		1843	962
5.12		15182	18827
5.155		170834	181672
5.196		4137	1907
5.223		89382	83445
5.264		54472	52986
5.325		5120	5794
5.358		24710	18498
5.383		98888	88563
5.44		51798	47293
5.479		27286	27815
5.52		7411	7558
5.563		30768	33865
5.619		218690	213877
5.723		957	1143
5.753		455	312
5.823		152973	145500
5.853		8211	5363
5.878		35769	41186
5.958		5273	7834
6.016		7243	7511
6.093		31877	43747
6.162		733	927
6.18		597	457
6.249		70358	69260
6.295		4330	5446
6.329		898	607
6.364		542	850
6.401		931	1101
6.453		18747	20076
6.524		3141	7058
6.601	DCB	216110	230566
6.685		1063	1404
6.701		1022	379
6.773		3043	4899
6.819		1002	845
6.843		1103	1063
6.886		10210	21860

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:25:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.137		1691	646
2.154		4417	5278
2.19		5297	8010
2.3		5818	4968
2.411		2914	5494
2.47		6610	36291
2.547		56908	76820
2.614	TCX	527069	321388
2.658		17233	14069
2.713		1879	1373
2.785		40462	30493
2.832		5869	2909
2.846		27616	14782
2.898		142925	90274
3.009		21357	13438
3.073		678	528
3.105		106253	52622
3.116		40832	15372
3.156		19477	11065
3.178		14731	8895
3.203		10789	6037
3.227		168603	111623
3.264		13726	7695
3.291		1364	708
3.31		38173	20158
3.326		21685	11018
3.353		2671	1191
3.376		73877	35441
3.385		133299	60027
3.406		10457	3815
3.42		159855	109498
3.452		1795	693
3.469		573	76
3.476		461	99
3.494		166007	107477
3.529		122249	75521
3.553		146524	85214
3.571		39174	19027
3.586		2023	1239
3.61		1469	341
3.633		942	546
3.656		146693	97953
3.68		57875	30975
3.7		57747	33514
3.729		55741	29488
3.746		106116	63323
3.787		48571	34006
3.83		18812	18830
3.856		29864	19399
3.878		151982	100959
3.903		30404	17585
3.923		6783	3481
3.943		21966	15535
3.977		133149	91420

RT B	Compound B	Height B	Area B
4.011		8355	4716
4.025		19339	10976
4.079		7854	7848
4.111		45580	45146
4.153		6092	4132
4.177		36947	25631
4.22		40699	25184
4.238		26644	13199
4.251		88159	48018
4.277		50221	51199
4.328		293323	227133
4.368		14105	11132
4.399		24096	16237
4.422		63109	49275
4.464		304698	240864
4.566		245791	250465
4.619		36958	30337
4.658		74897	67483
4.694		276268	224267
4.725		150557	109521
4.764		107039	81604
4.821		1332	358
4.841		1300	1068
4.862		31089	22962
4.913		195002	151121
4.937		25706	16419
4.985		90485	80130
5.022		50758	39121
5.052		38273	32581
5.086		8986	5102
5.106		413845	340115
5.148		8749	5605
5.178		26221	20954
5.245		914	1128
5.262		3493	2705
5.296		6550	4733
5.32		95585	78387
5.365		298571	316534
5.424		1564	392
5.466		3069	4779
5.519		14274	11551
5.588		20801	26083
5.637		60089	53556
5.697		5929	14788
5.742		145661	116590
5.801		24872	71444
5.941		53530	81094
6.054		27635	76086
6.099	DCB	622299	519955
6.167		67385	235860
6.286		8495	24541
6.458		9899	34320
6.528		1478	3299
6.58		12153	28504
6.621		8400	16026
6.732		5889	10656
6.837		1888	355
6.845		2289	1403
6.886		2132	1279
6.897		3163	6727

AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082

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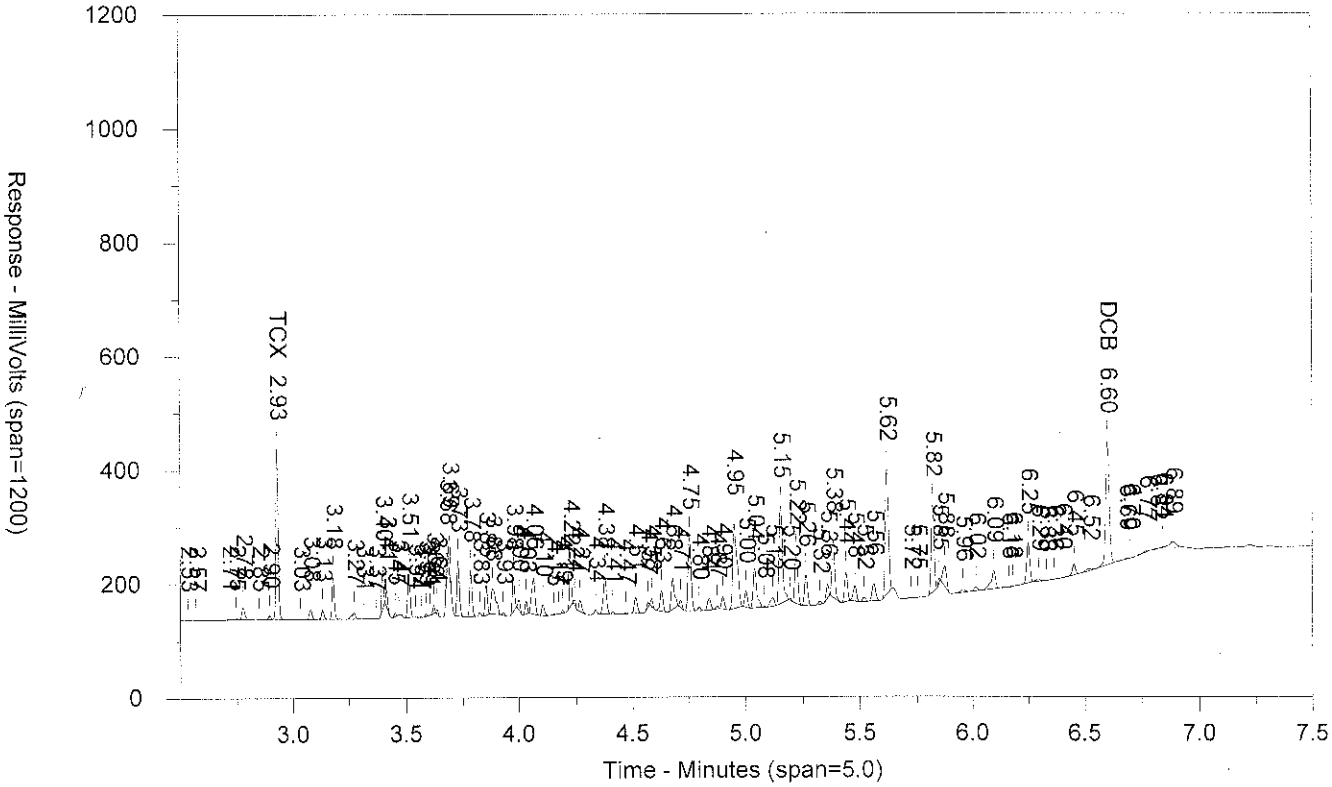

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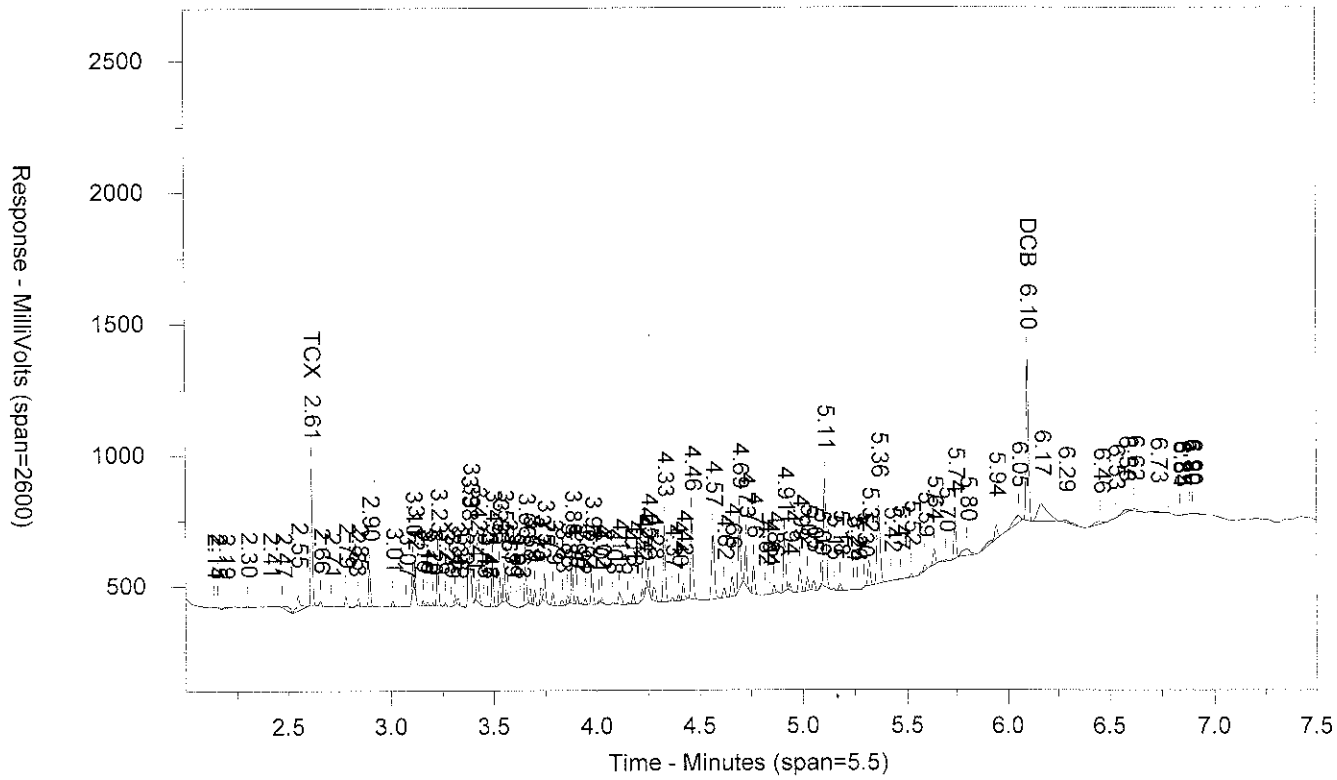

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:25:16 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	299790	1.987	TCX	2.614	527069	1.935	TCX
6.601	216110	2.242	DCB	6.099	622299	2.056	DCB

Files:
Area File: 25PCBS17284001.007.RAW
Area File: 25PCBS17284001B.007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:13 PM
File Reported On: 10/12/2017 at 3:28:14 PM

AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082

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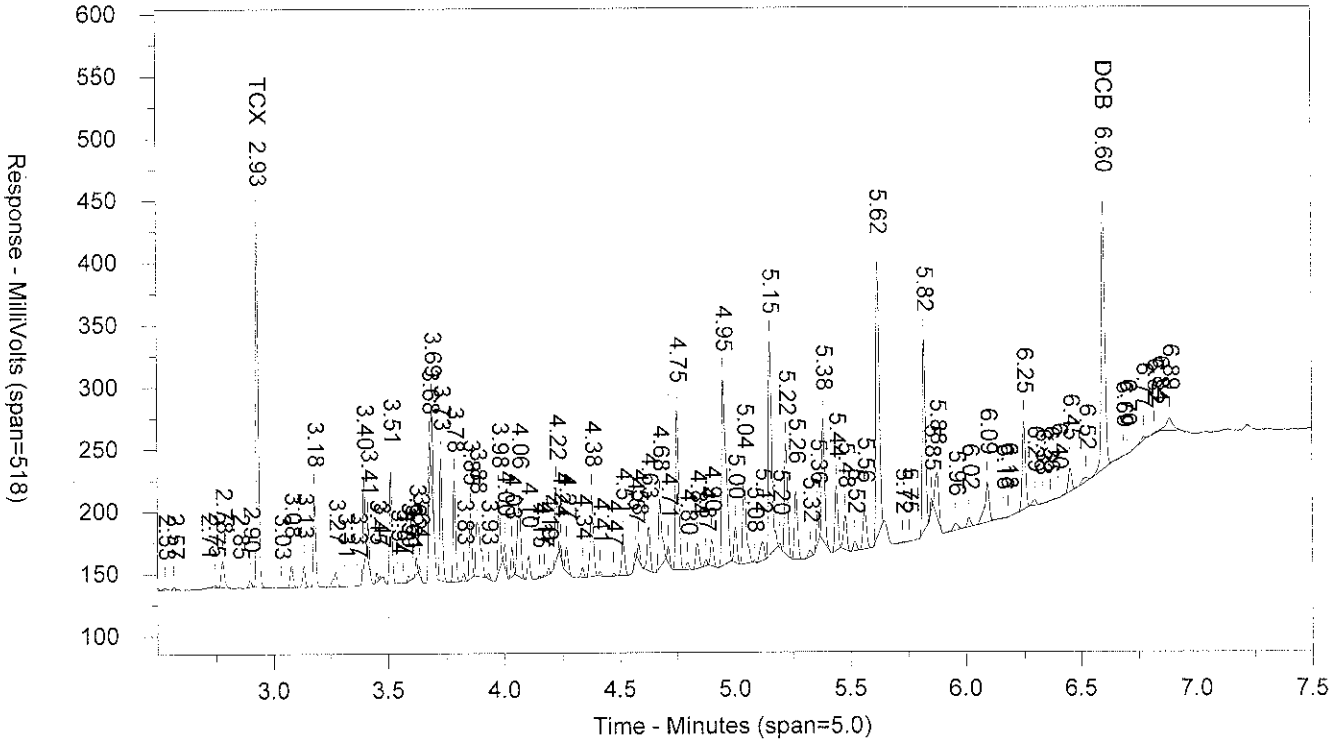

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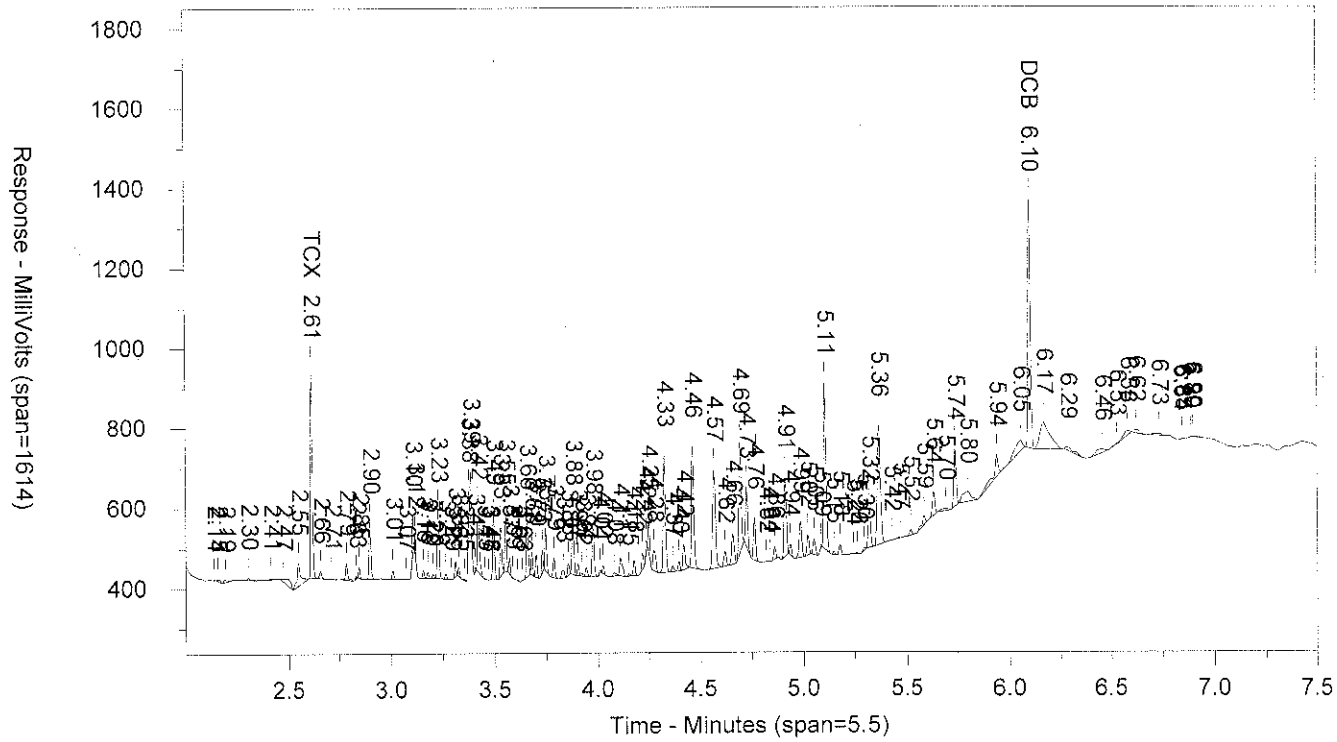

AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082

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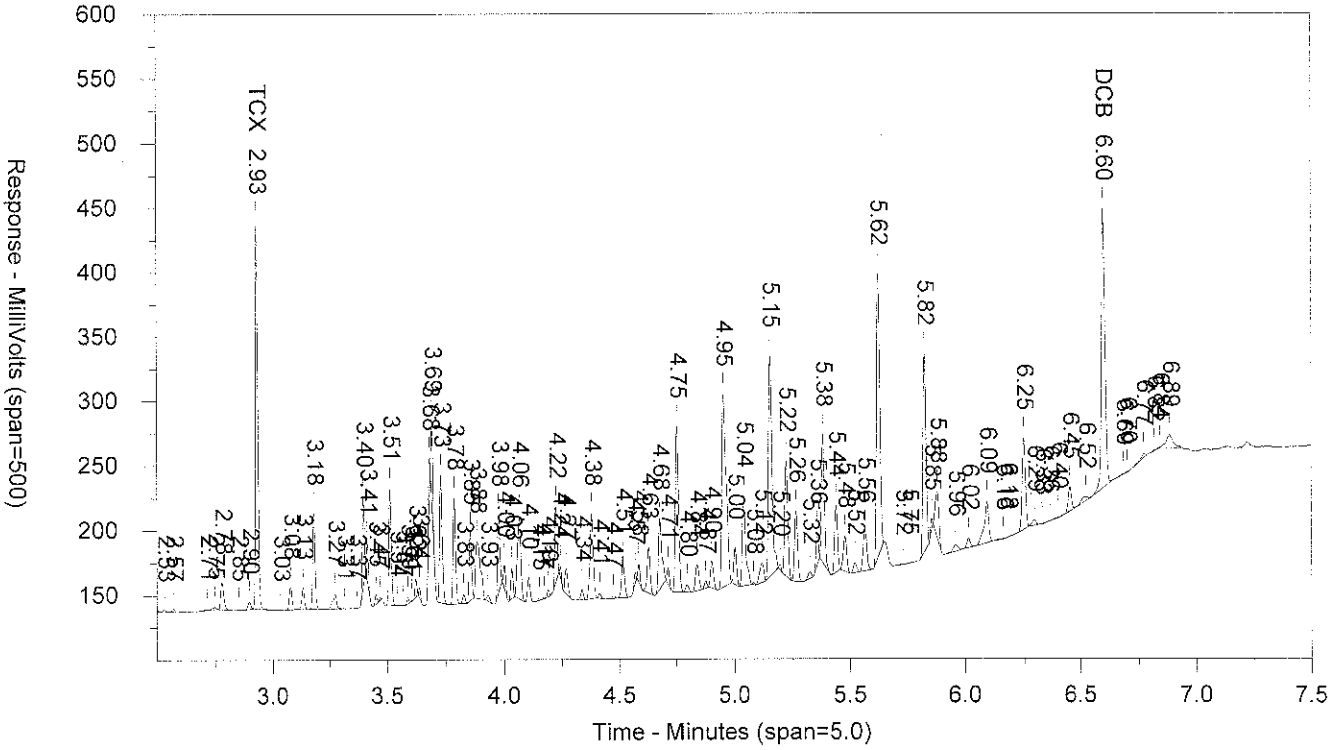

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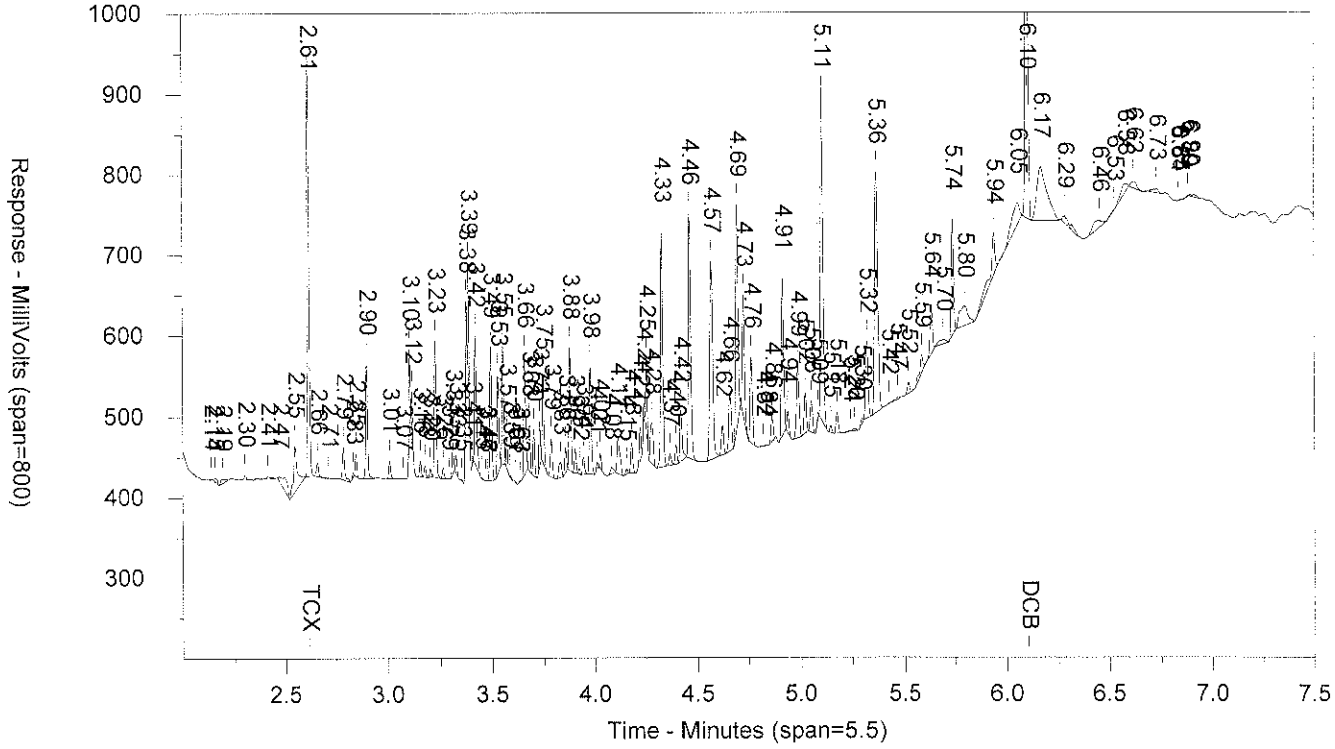

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:36:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.034		10492	9653
2.089		11997	31436
2.23		3259	2805
2.3		646	530
2.329		10959	8298
2.431		446	276
2.49		7081	6803
2.53		1654	1614
2.569		4357	3615
2.664		339	570
2.708		535	265
2.747		2346	2889
2.777		15045	13565
2.845		914	1015
2.895		4823	4139
2.93	TCX	593408	420263
3.077		32149	28264
3.133		31840	26216
3.18		147862	104930
3.273		20930	20475
3.396		132203	82349
3.413		64546	35218
3.45		13818	7833
3.466		4630	1830
3.475		4034	1950
3.51		170897	132998
3.565		1710	862
3.586		10171	6244
3.62		31474	16959
3.635		14441	7034
3.678		70293	38454
3.689		139015	69169
3.726		196020	149973
3.783		165460	125476
3.824		13550	9788
3.852		112515	81218
3.88		91807	137538
3.928		3739	2525
3.975		117205	85980
3.999		41652	25610
4.03		45883	31949
4.063		125261	131157
4.103		39478	31699
4.15		4133	3382
4.166		773	319
4.188		10437	6825
4.223		113011	84294
4.241		17651	9041
4.265		35641	28457
4.335		16202	14651
4.377		126201	128615
4.412		7022	5222
4.472		3538	3079
4.512		47090	45598

RT A	Compound A	Height A	Area A
4.565		16449	10742
4.582		29839	20169
4.626		77653	68883
4.675		113775	123746
4.711		24943	18302
4.751		261845	247706
4.794		9205	8031
4.837		44040	44388
4.872		8643	6275
4.897		45512	40549
4.949		293463	400179
5		63851	57484
5.04		145581	159430
5.083		2659	1365
5.118		31631	36794
5.153		355804	378203
5.194		7759	3939
5.221		180134	171477
5.262		111997	112088
5.324		3341	3586
5.358		49731	39741
5.383		193809	176459
5.438		104618	100197
5.477		62730	61264
5.519		12429	13054
5.561		66246	73462
5.618		472203	531902
5.726		301	605
5.822		301117	295214
5.852		15140	9509
5.877		73338	84105
5.925		571	414
5.959		3985	5261
6.014		13402	13303
6.092		66788	88991
6.248		136812	140281
6.292		8965	8931
6.319		679	261
6.338		508	286
6.392		740	237
6.452		40172	43351
6.523		3455	7365
6.601	DCB	432215	472678
6.648		670	308
6.685		834	1446
6.769		1904	3978
6.813		744	415
6.883		10145	27858
6.982		703	442

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:36:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		863	1194
2.157		5865	6560
2.205		3337	7568
2.261		1304	1203
2.3		9019	7029
2.409		3061	3781
2.466		3042	2070
2.517		3224	1533
2.547		29853	26201
2.614	TCX	1062087	628662
2.658		32209	25477
2.712		1608	1250
2.785		74251	52990
2.832		11248	5087
2.846		51591	28139
2.898		267377	164135
2.946		3249	2191
3.009		40211	24915
3.072		1015	450
3.084		843	427
3.105		201189	102381
3.116		68614	25523
3.156		38360	22937
3.177		26867	15874
3.203		23685	13217
3.227		320391	210701
3.263		24908	14860
3.291		2734	1279
3.31		77512	40922
3.325		42751	21763
3.355		2481	1229
3.375		162461	75421
3.385		284561	120068
3.405		17238	6606
3.419		304578	210595
3.493		331876	210302
3.528		235500	147349
3.552		283932	161083
3.569		76197	37461
3.606		1310	968
3.638		1162	1384
3.655		295781	192154
3.678		114293	61778
3.699		109772	65515
3.728		106068	53264
3.745		214967	128333
3.785		97301	68158
3.831		32167	31965
3.855		61014	37317
3.877		308135	203083
3.902		61157	36319
3.921		13528	6739
3.941		40816	26147
3.975		264228	182205

RT B	Compound B	Height B	Area B
4.009		16479	9335
4.025		35396	19687
4.084		6686	9048
4.11		77472	75123
4.152		8178	5469
4.176		73457	51811
4.219		77066	46817
4.236		48784	25349
4.25		174943	100375
4.275		109811	106594
4.327		590018	450482
4.367		21668	18150
4.397		47706	31099
4.421		126803	93559
4.463		632034	493447
4.564		525350	502092
4.618		77006	62425
4.656		149459	131246
4.692		578061	473665
4.724		304191	221341
4.762		219696	165409
4.826		995	517
4.861		67186	48601
4.88		8986	4566
4.911		399091	312479
4.935		52763	35164
4.986		198039	176567
5.022		105205	81263
5.051		77248	65210
5.084		20799	11756
5.104		851065	728116
5.146		17710	12450
5.177		46497	38843
5.225		884	517
5.252		1208	466
5.296		11419	7543
5.319		202929	166285
5.364		673616	694098
5.426		900	993
5.44		1363	431
5.46		2903	2231
5.518		27322	22169
5.565		14818	9557
5.585		29731	22912
5.634		135137	114717
5.684		2085	2358
5.742		325708	268535
5.773		19528	21390
5.84		1236	1363
5.88		1643	2805
5.893		1271	458
5.94		108557	91468
5.99		1900	2888
6.022		1547	798
6.052		5492	5483
6.098	DCB	1353764	1172442
6.165		24377	37455
6.201		1930	1493
6.246		1899	2992
6.262		1981	1398
6.328		1920	2797
6.343		1991	707
6.356		1155	504
6.405		1446	1737
6.446		948	3079
6.482		1506	1186

RT B	Compound B	Height B	Area B
6.527		3174	6455
6.576		1870	730
6.594		738	505
6.625		4534	6858
6.661		1087	704
6.7		1563	1458
6.747		2288	2512
6.777		2410	2426
6.848		2302	2319
6.879		3074	3999
6.963		1718	1358

AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082

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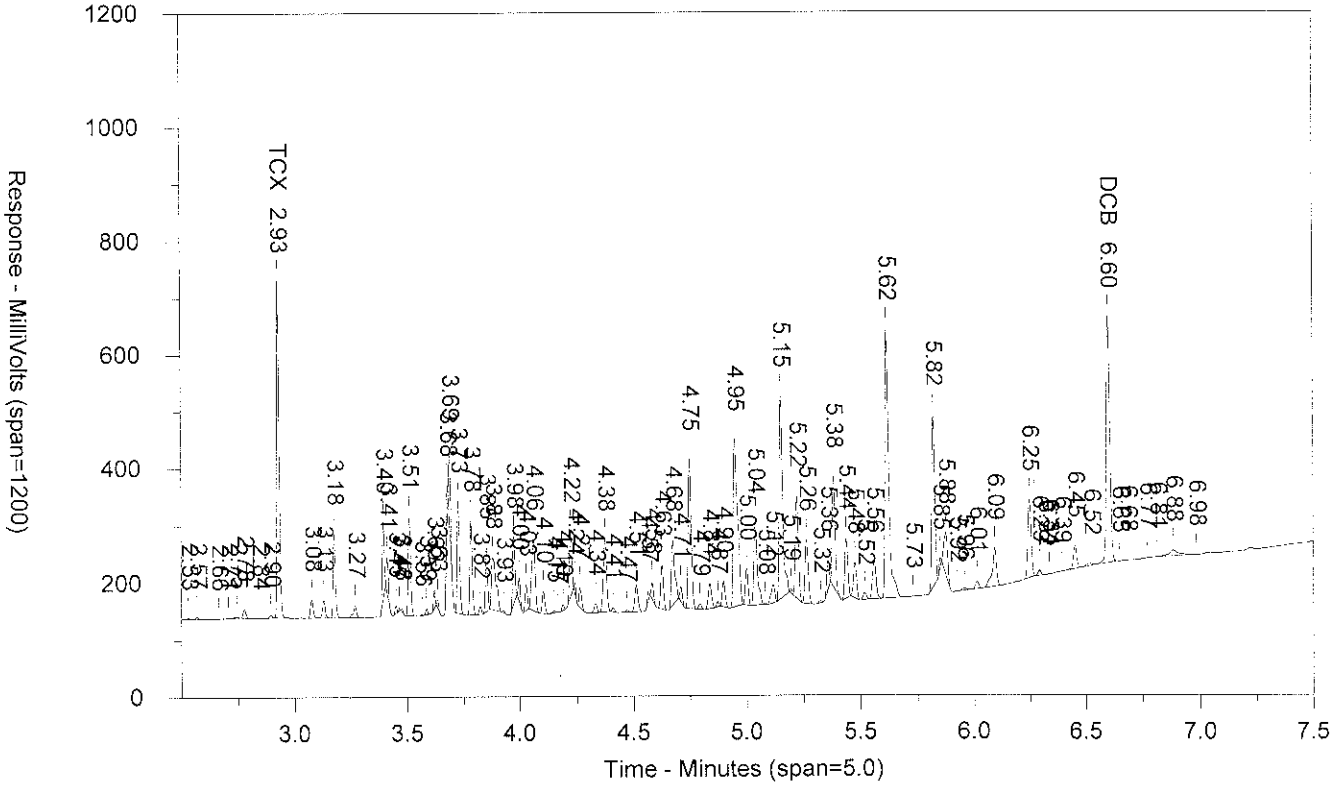

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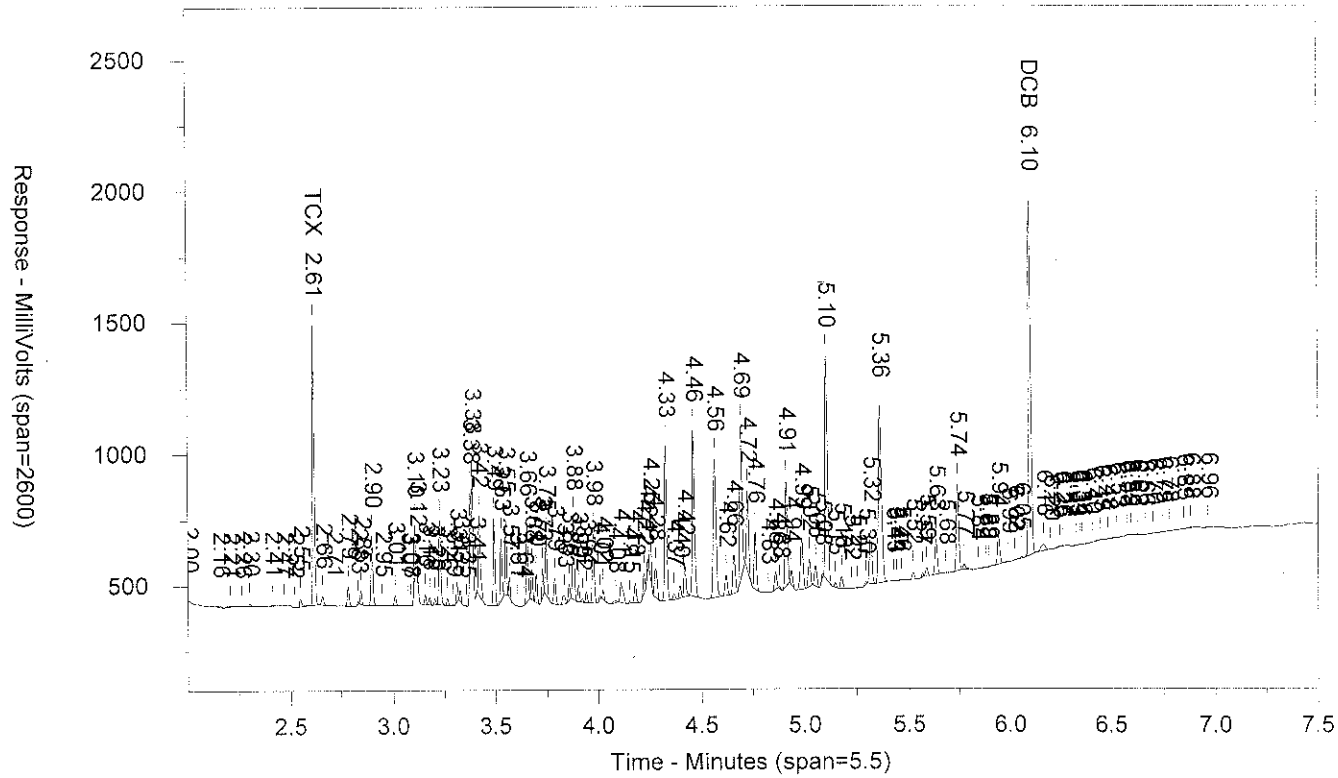

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:36:33 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	593408	3.933	TCX	2.614	1062087	3.898	TCX
6.601	432215	4.484	DCB	6.098	1353764	4.472	DCB

Files:
Area File: 25PCBS17284001.008.RAW
Area File: 25PCBS17284001B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:13 PM
File Reported On: 10/12/2017 at 3:28:28 PM

AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082

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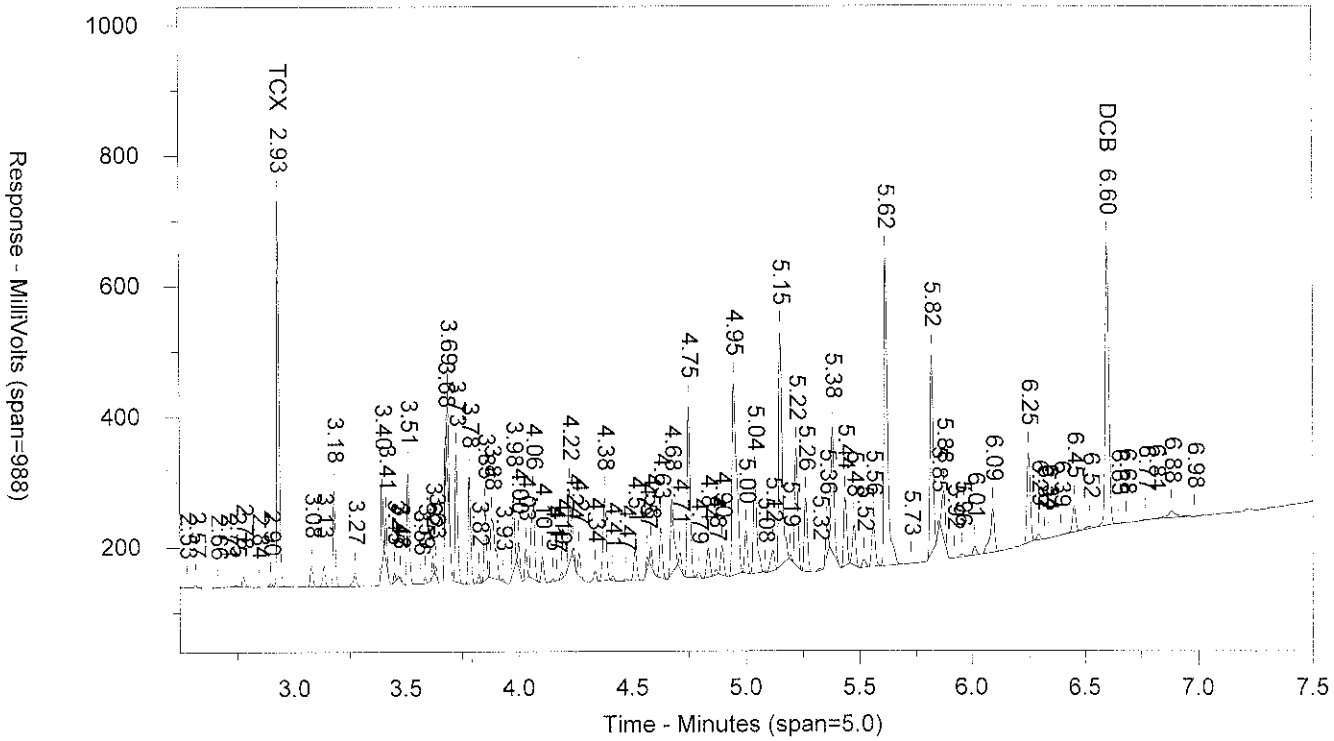

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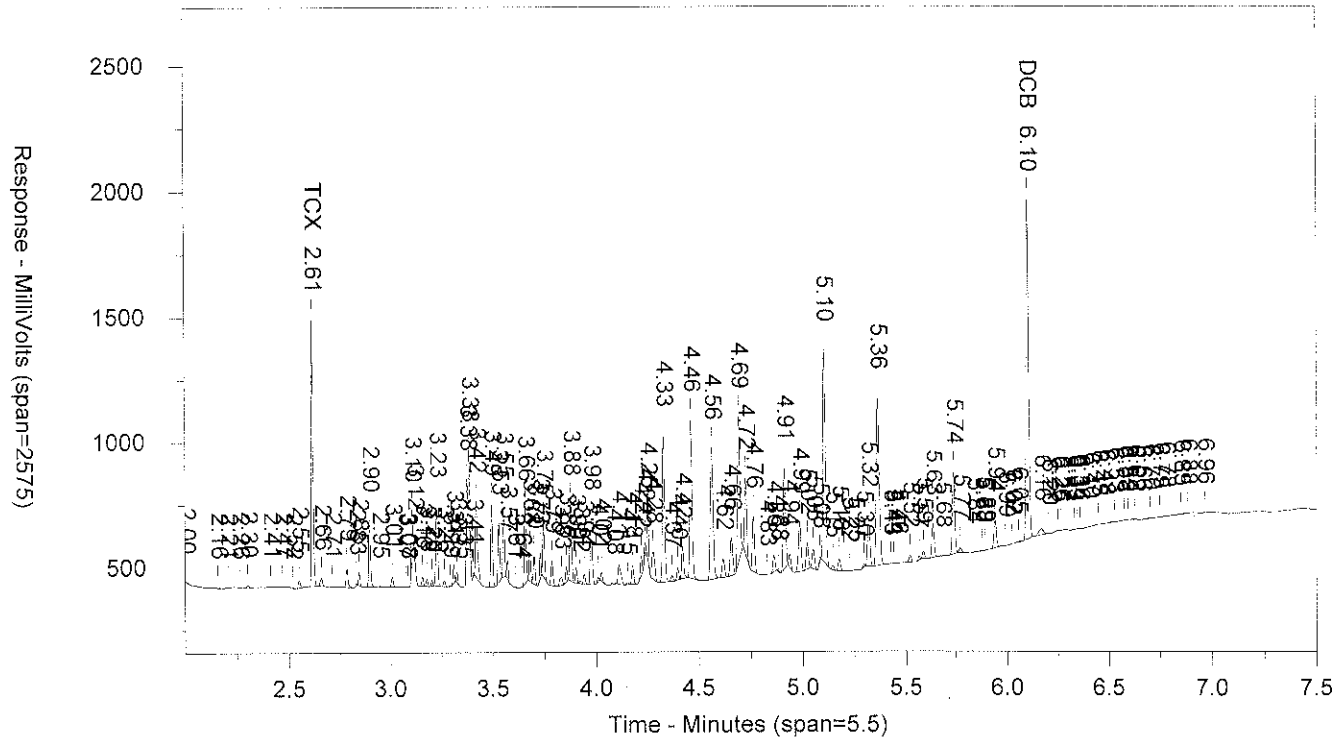

AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082

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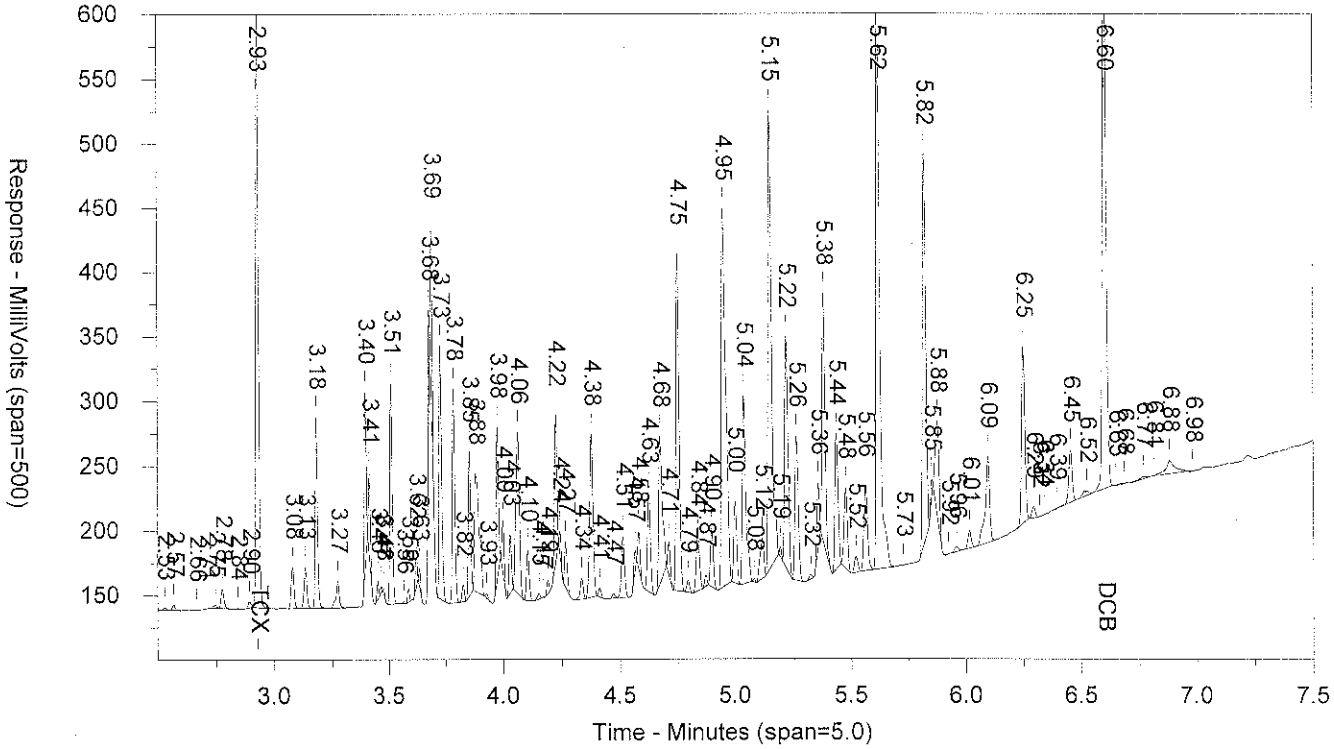

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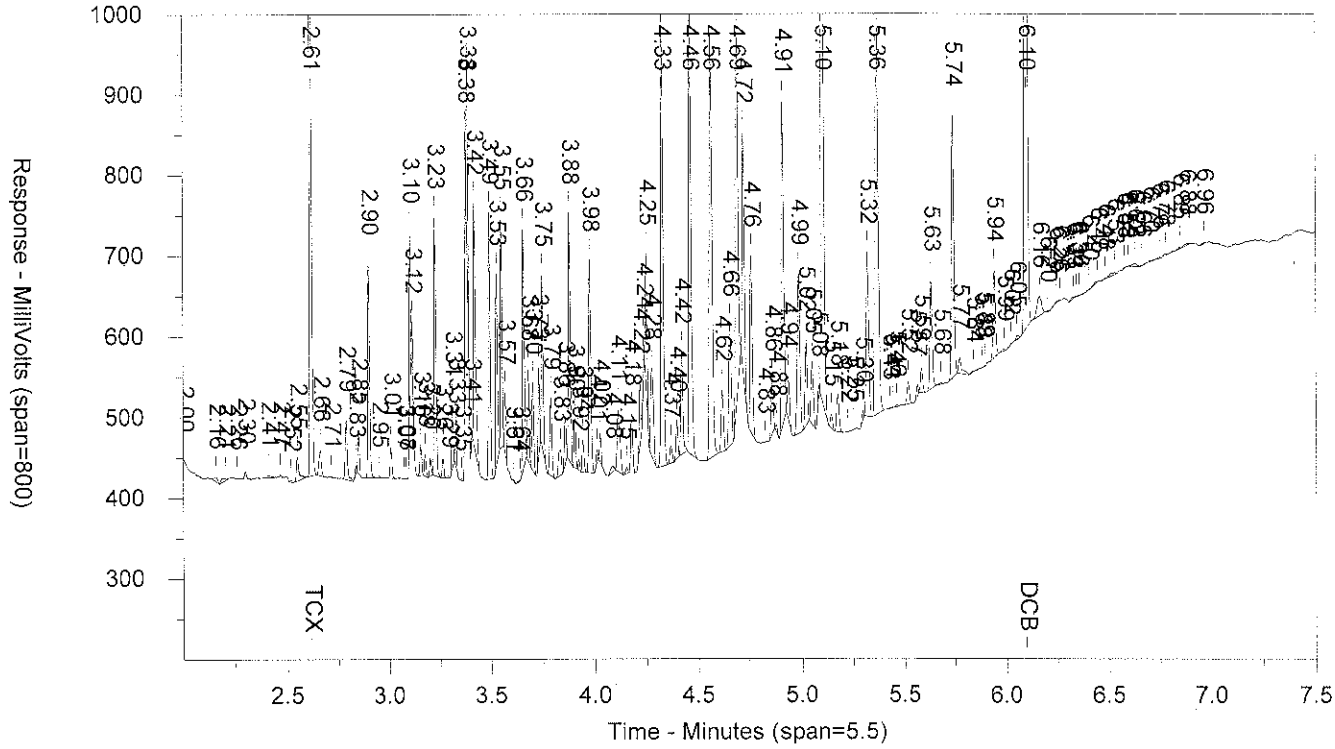

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:47:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		12530	12174
2.088		23187	57434
2.231		15115	12991
2.295		868	681
2.33		13793	13077
2.367		859	1451
2.432		1222	1068
2.49		8810	9320
2.533		1941	2096
2.569		8742	7827
2.657		569	630
2.681		468	220
2.711		471	343
2.745		2367	2924
2.777		23732	24274
2.842		1474	1658
2.897		6026	5213
2.93	TCX	2965107	2070755
3.028		1142	721
3.077		63187	53843
3.131		69262	63534
3.18		264191	193486
3.258		3947	2094
3.273		33103	21560
3.313		766	582
3.364		445	234
3.395		247161	147988
3.412		111069	60869
3.45		24886	13957
3.465		8860	3608
3.475		7313	3381
3.51		314798	245789
3.547		916	376
3.567		7204	4002
3.586		20714	13483
3.62		60257	34242
3.635		29104	14141
3.678		108623	68458
3.689		261253	135719
3.726		346604	277834
3.783		306244	232390
3.824		26440	18938
3.852		186171	144911
3.881		164246	251643
3.927		5721	3858
3.975		202237	153978
3.999		73172	47270
4.03		86677	59822
4.063		229296	245605
4.103		76634	61110
4.15		9533	8202
4.188		20149	13169
4.223		183186	140216
4.241		35628	18293

RT A	Compound A	Height A	Area A
4.265		63897	49887
4.335		30379	26802
4.377		227656	234939
4.411		13434	10144
4.472		8323	7317
4.512		102925	101580
4.566		35202	22340
4.582		51017	34181
4.626		139317	125503
4.675		196486	216423
4.712		50880	37382
4.751		467474	437017
4.793		21958	18923
4.836		81464	82547
4.872		37164	28006
4.897		74999	66506
4.949		521665	699654
5		111429	104409
5.039		248558	289165
5.082		5106	2968
5.115		84396	100062
5.152		627369	657363
5.194		15404	7400
5.22		305387	291824
5.263		196793	196440
5.326		3639	4236
5.356		94147	75138
5.381		338825	309159
5.438		183840	171503
5.476		109229	112055
5.519		41333	42487
5.56		118413	131804
5.617		819012	969071
5.708		477	262
5.766		475	202
5.821		523052	510365
5.851		31487	21128
5.877		129968	147601
5.958		5526	7297
6.013		55825	55410
6.091		122525	209835
6.18		650	617
6.247		234775	242326
6.292		15656	15323
6.336		875	422
6.387		549	1310
6.45		89256	93124
6.512		4778	7332
6.6	DCB	1804758	1913338
6.692		687	183
6.706		721	508
6.735		537	278
6.772		2393	3583
6.827		2097	3208
6.879		7786	20462

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:47:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		402	786
2.055		11093	7982
2.145		1217	479
2.205		3523	9058
2.301		16521	11893
2.359		2363	3111
2.412		3690	4228
2.533		3646	1807
2.547		51695	45349
2.614	TCX	5394586	3137831
2.658		59155	44842
2.785		137784	100219
2.832		55291	26521
2.846		91106	45783
2.898		470504	299945
2.948		12199	7543
3.009		79951	49807
3.067		748	129
3.075		1200	254
3.084		1041	203
3.105		365974	180934
3.116		131167	49817
3.156		70487	43461
3.178		53869	30404
3.203		46203	25299
3.227		575434	389168
3.264		50402	29531
3.291		15894	7357
3.31		136893	72765
3.325		79315	37810
3.35		2206	1335
3.375		289063	134067
3.385		533063	228658
3.405		30883	11592
3.419		564908	389829
3.493		619044	384908
3.528		411818	259951
3.552		513953	288895
3.569		131752	65418
3.586		8926	3695
3.655		516146	342777
3.678		204180	110050
3.699		202804	118912
3.728		203406	106617
3.745		409666	239693
3.785		172914	124289
3.831		69478	68393
3.855		107332	68182
3.877		533385	361106
3.902		112391	66214
3.922		26933	13661
3.941		71062	44217
3.976		464419	325410
4.009		33400	19352

RT B	Compound B	Height B	Area B
4.024		72136	39343
4.089		8987	10827
4.109		158284	153088
4.151		25278	15734
4.176		136184	95677
4.218		145412	88914
4.237		95281	47217
4.249		297719	168840
4.275		186461	189182
4.327		1051415	809016
4.366		50965	39996
4.397		87359	58280
4.421		204217	132275
4.438		33207	14876
4.463		1109975	849241
4.564		928387	907497
4.617		148951	122217
4.657		282540	270715
4.691		1046879	858415
4.724		557205	398111
4.761		371724	294179
4.822		2795	2488
4.861		122098	87079
4.878		15548	7711
4.911		698604	561983
4.935		96854	64886
4.985		350038	316988
5.02		183877	144534
5.051		155122	135824
5.083		45132	27129
5.104		1626909	1336968
5.146		31671	22617
5.177		155596	128744
5.234		1633	1826
5.253		2929	3738
5.295		19758	13237
5.318		367388	295809
5.363		1210656	1277170
5.455		1107	389
5.47		1101	425
5.484		1606	1134
5.518		115877	100807
5.564		23128	14911
5.586		150628	120170
5.635		256625	224685
5.683		1889	1467
5.717		2124	1482
5.741		583191	483810
5.773		33559	30565
5.841		2573	2812
5.875		1108	1934
5.913		1328	2249
5.94		240362	209541
5.989		2826	4475
6.056		8229	14636
6.098	DCB	5830601	4876412
6.159		20226	31920
6.238		2214	1038
6.252		2207	1321
6.284		4235	4521
6.309		4062	2312
6.336		1532	591
6.361		2156	1765
6.376		1397	708
6.39		1475	636
6.443		2034	4633

RT B	Compound B	Height B	Area B
6.503		1368	2769
6.52		1495	1049
6.549		6831	6249
6.589		1170	1433
6.617		3044	2514
6.659		1388	775
6.681		1820	1872
6.698		1738	559
6.714		1507	568
6.729		1068	803
6.778		2358	2840
6.802		2277	2026
6.818		1508	743
6.855		1996	3534
6.864		1969	377
6.876		2571	1432
6.892		2399	2796
6.967		2646	1441

AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082

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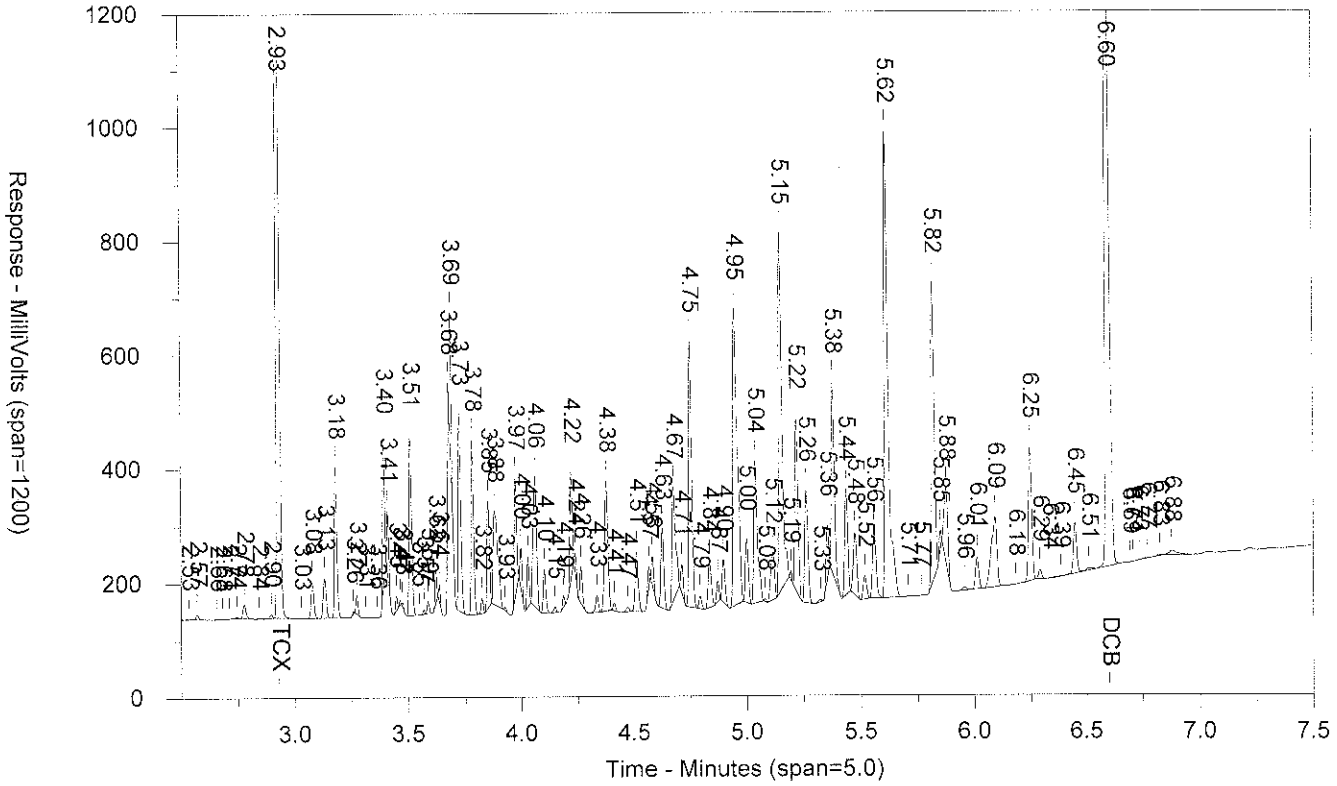

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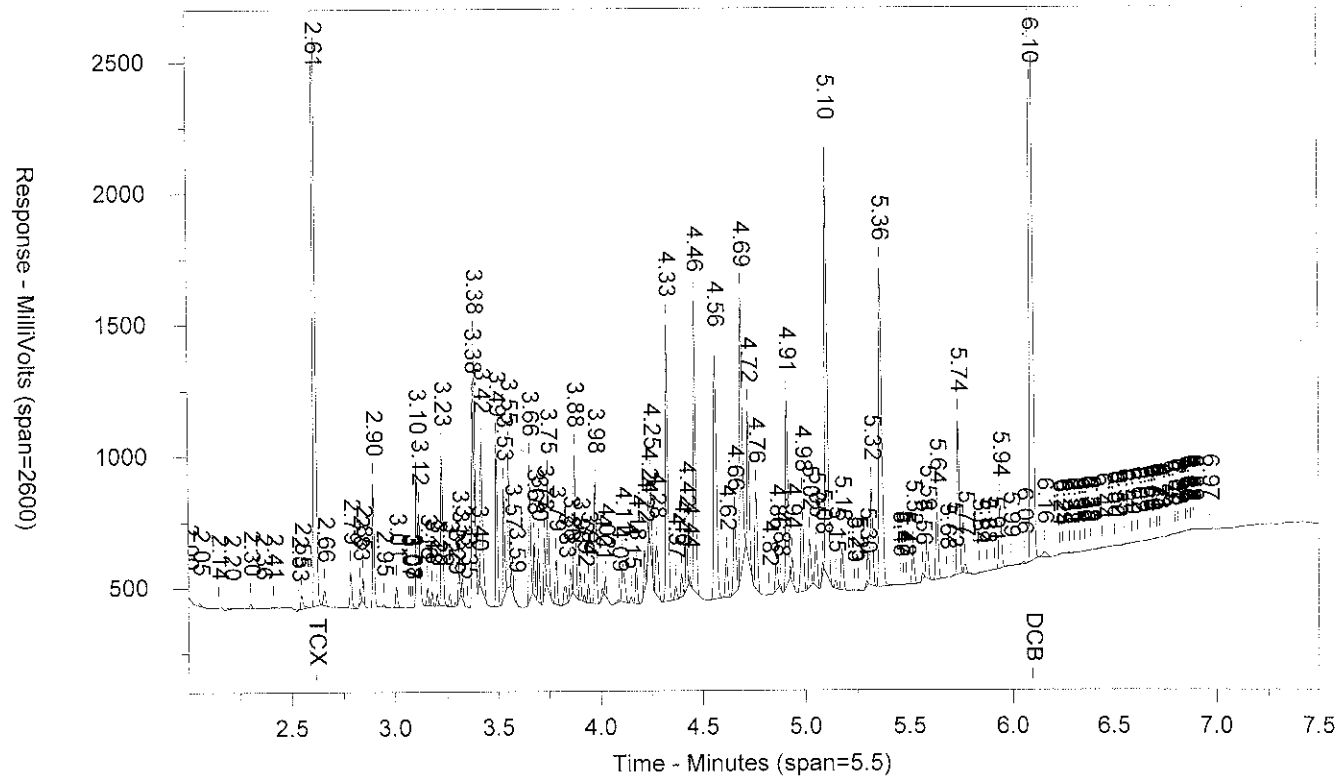

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:47:49 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2965107	19.653	TCX	2.614	5394586	19.801	TCX
6.6	1804758	18.723	DCB	6.098	5830601	19.26	DCB

Files:
Area File: 25PCBS17284001.009.RAW
Area File: 25PCBS17284001B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:14 PM
File Reported On: 10/12/2017 at 3:28:46 PM

AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082

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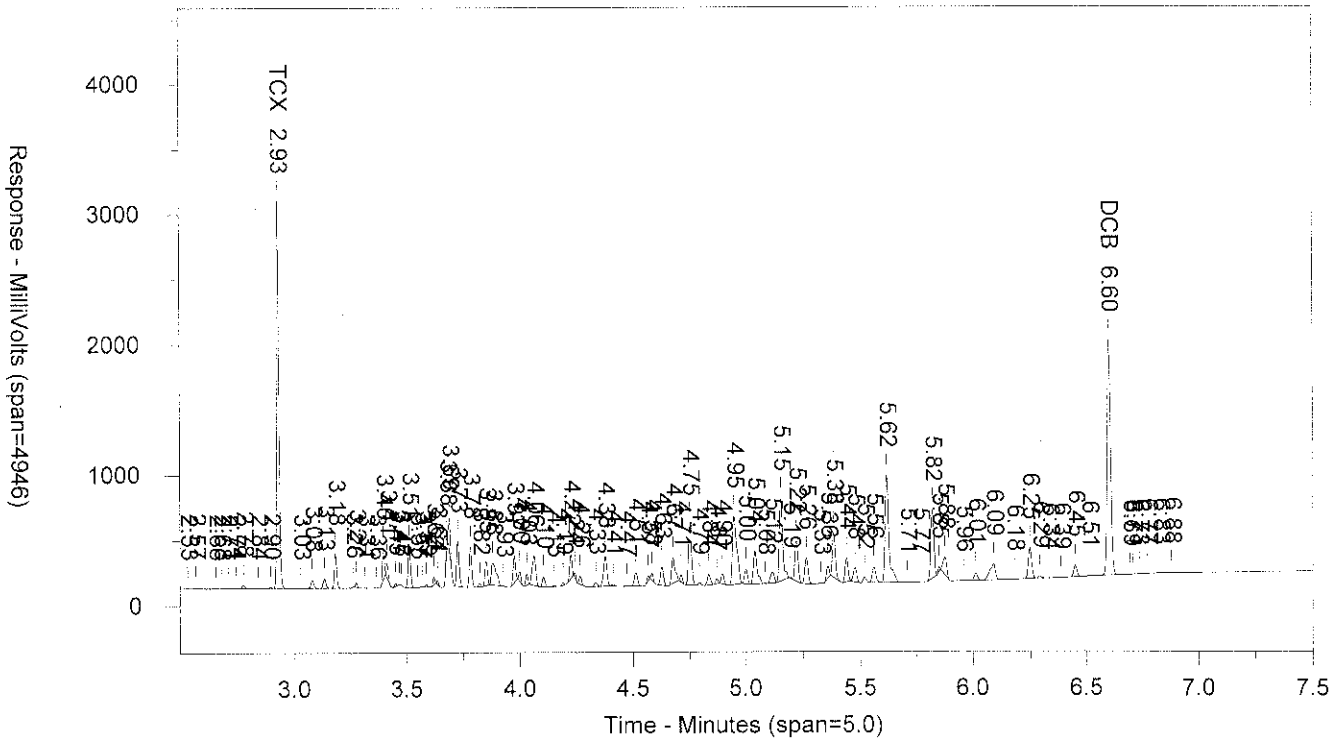

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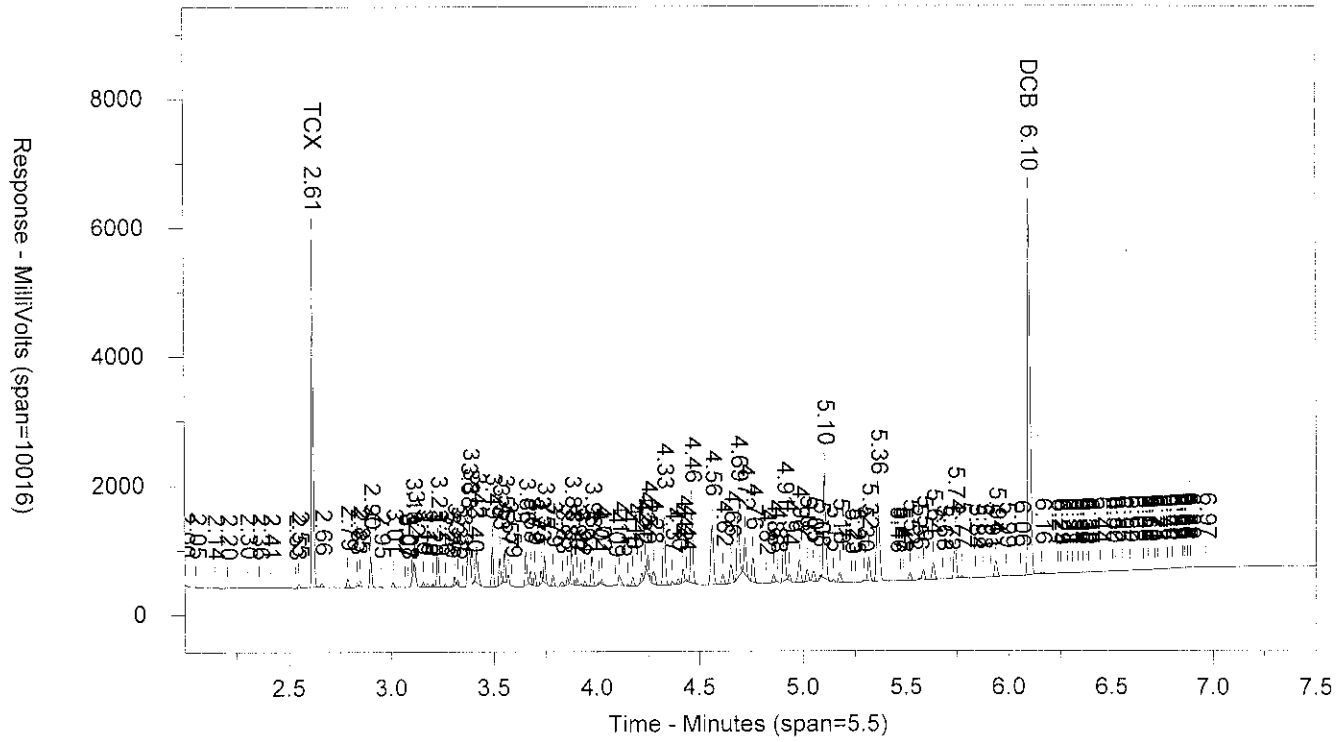

AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082

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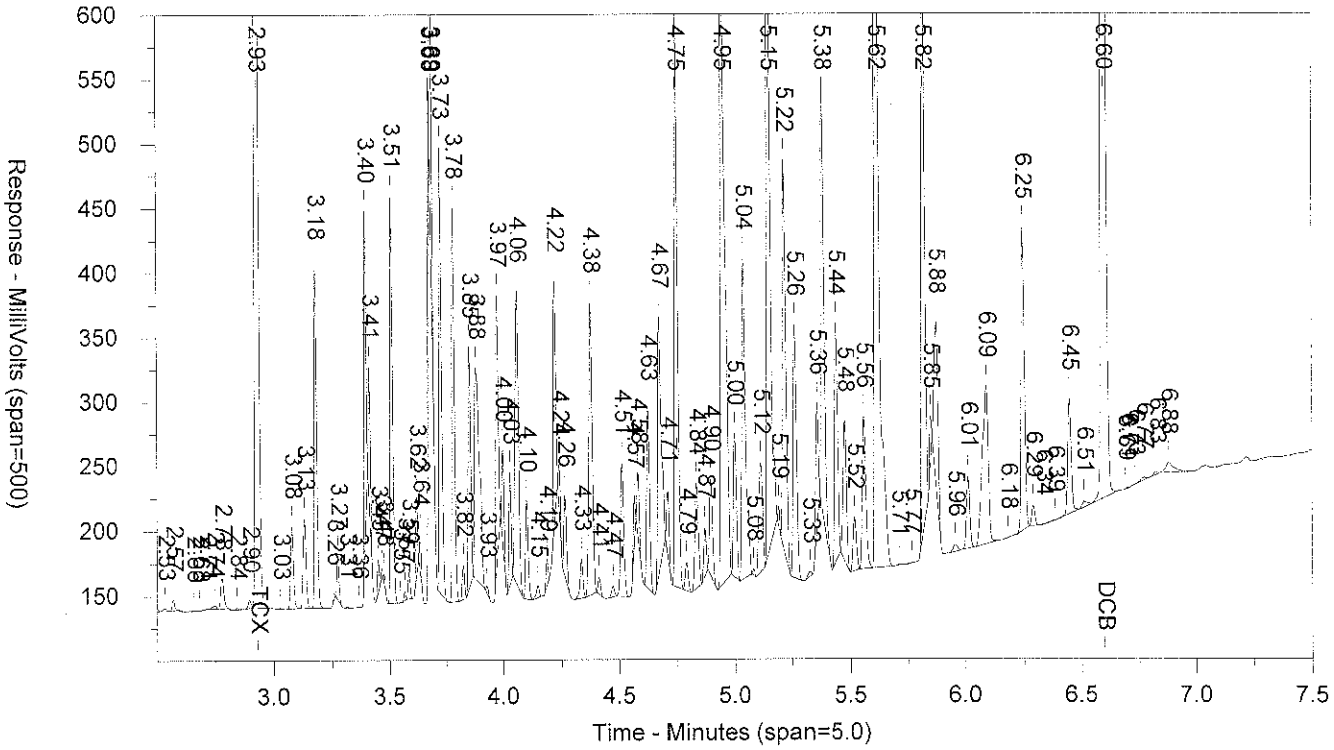

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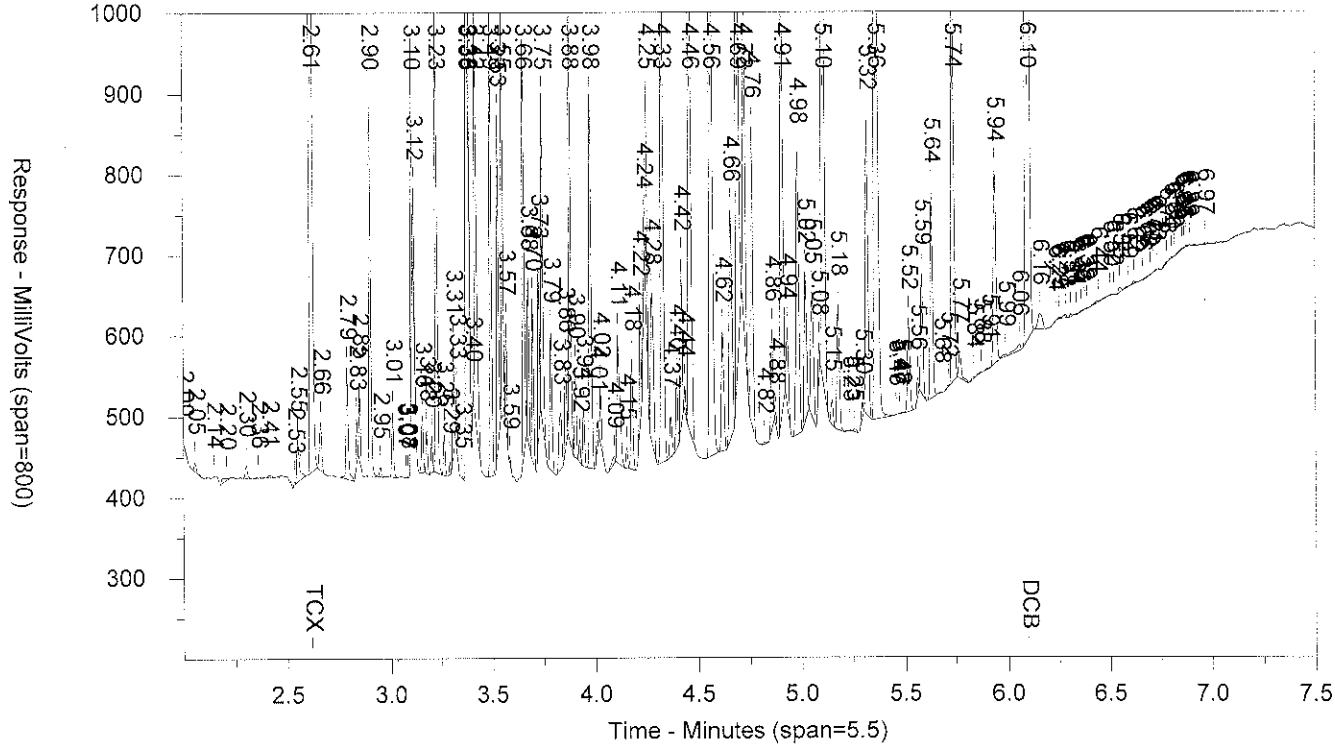

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:59:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		11423	10614
2.09		10699	23703
2.23		29587	25433
2.298		838	624
2.336		15694	18029
2.431		2860	2207
2.49		7281	7328
2.53		1889	1747
2.568		19019	14967
2.655		785	650
2.745		3063	4743
2.777		13576	12666
2.843		2772	2265
2.895		5335	3968
2.93	TCX	6215760	4271917
3.028		1609	1216
3.05		552	217
3.077		129728	113663
3.131		141128	129006
3.179		521738	387554
3.258		6573	3235
3.273		73182	47462
3.317		1953	1421
3.366		507	404
3.395		498895	290546
3.412		215898	120165
3.449		53131	29500
3.465		20483	8847
3.476		16129	6762
3.51		613026	493238
3.547		2027	921
3.566		10938	6494
3.585		46336	30468
3.62		116365	66823
3.635		56520	27444
3.678		221085	134921
3.689		537880	284069
3.726		708205	555241
3.783		609944	468348
3.824		54804	39336
3.852		363166	280003
3.88		320423	495063
3.926		5113	3155
3.975		404465	301731
3.999		135304	89888
4.03		168166	117738
4.063		451622	488982
4.103		151010	123199
4.149		21566	20152
4.188		45566	29118
4.223		390272	280258
4.241		68573	36297
4.265		113044	92073
4.335		61903	54225

RT A	Compound A	Height A	Area A
4.377		445000	459434
4.412		28320	21308
4.471		16887	14668
4.512		210721	208336
4.565		68095	44518
4.581		95210	64533
4.626		277485	248961
4.676		375161	416324
4.712		104223	74981
4.751		890522	859706
4.793		47290	41002
4.837		157901	166367
4.872		76218	60802
4.898		147995	129786
4.948		1061902	1364991
5		215855	206285
5.04		504512	575797
5.082		11881	6690
5.116		160691	196995
5.153		1289158	1309503
5.193		27271	14815
5.22		609204	569690
5.262		389594	386185
5.328		1911	2302
5.356		178090	145238
5.381		682367	606250
5.438		346216	329662
5.477		196090	215819
5.518		86998	88207
5.56		226846	261355
5.618		1755057	1949885
5.708		1837	2336
5.768		1047	1175
5.822		1058691	1020045
5.852		69106	42129
5.877		248180	277846
5.923		1178	870
5.958		4432	5601
6.013		105369	106196
6.092		239643	403300
6.17		583	454
6.214		808	1383
6.248		467349	473096
6.292		31765	30778
6.35		643	231
6.381		1636	1497
6.451		165786	173577
6.522		2160	4720
6.6	DCB	3676784	3834194
6.662		1242	655
6.705		529	251
6.772		1999	3423
6.842		807	1083
6.884		8320	18538
6.971		606	272

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:59:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1257	1096
2.055		24761	18272
2.145		8350	11988
2.187		3862	2939
2.205		1902	1362
2.236		2340	2762
2.274		2646	2232
2.301		36900	25295
2.364		1481	2277
2.411		3899	4819
2.467		3484	3296
2.518		4380	3305
2.547		25634	16368
2.571		4383	2783
2.614	TCX	11086190	6505421
2.658		113698	88547
2.786		270708	187338
2.832		102506	48688
2.846		167897	85980
2.898		949485	589729
2.948		24756	14353
3.009		156032	98463
3.088		609	271
3.105		768137	365507
3.115		236751	90096
3.156		142309	84751
3.177		108187	61769
3.203		88327	49132
3.227		1165309	767246
3.263		104820	60766
3.291		25057	11563
3.31		264838	140313
3.325		149835	73101
3.351		1798	1016
3.375		597323	268826
3.385		1088633	463413
3.405		61911	23141
3.419		1135682	776253
3.493		1259728	770464
3.528		805846	501780
3.552		1025989	572008
3.57		256076	126695
3.586		15939	7691
3.656		1019843	672395
3.678		398500	212386
3.699		393014	234160
3.728		402438	210999
3.745		784682	458178
3.785		348702	247532
3.831		140265	141601
3.855		214205	135181
3.877		1094497	718253
3.902		219815	129674
3.922		54618	27756

RT B	Compound B	Height B	Area B
3.94		132750	81221
3.975		923394	638259
4.009		70931	41683
4.024		146776	80851
4.09		17471	15363
4.109		320263	314111
4.151		47470	27792
4.177		266148	192692
4.219		275608	174944
4.237		210235	102613
4.249		604176	327791
4.275		365039	376240
4.327		2123094	1624035
4.367		104052	84942
4.396		177809	117175
4.421		387326	254077
4.438		69039	31589
4.463		2355175	1721824
4.565		2009081	1849990
4.618		298363	247625
4.657		552040	531826
4.692		2195975	1784533
4.724		1167536	818063
4.761		782361	597430
4.821		4023	3770
4.861		260960	180112
4.879		29063	15651
4.912		1571866	1167805
4.936		216820	140684
4.985		736353	649994
5.021		371854	293022
5.052		320488	276860
5.084		86653	52034
5.105		3463037	2822437
5.146		68818	49314
5.178		315668	262792
5.22		1680	645
5.261		3419	3905
5.296		38822	25266
5.319		734567	605363
5.363		2540643	2659920
5.46		2308	1669
5.484		1974	1269
5.518		223330	192626
5.564		50243	32654
5.586		281377	230496
5.635		555547	460842
5.691		942	1194
5.742		1202461	1006367
5.773		70656	51482
5.843		1967	3433
5.92		2557	10321
5.94		455352	386630
5.979		3410	4663
6.023		1705	1607
6.059		4733	5019
6.098	DCB	11931180	9920231
6.159		19435	32154
6.254		3780	7135
6.275		5502	6946
6.325		1607	1356
6.339		1925	577
6.379		624	1881
6.398		754	526
6.429		1476	482
6.445		1486	1325

RT B	Compound B	Height B	Area B
6.461		1922	959
6.497		1817	2437
6.517		1708	1873
6.55		13104	10162
6.589		1543	1333
6.642		1604	3642
6.677		1359	1177
6.742		2694	4666
6.784		1502	567
6.796		1348	502
6.829		1332	561
6.841		1822	1124
6.882		1500	1437
6.923		1858	1480
6.958		1669	433
6.988		1520	564

AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082

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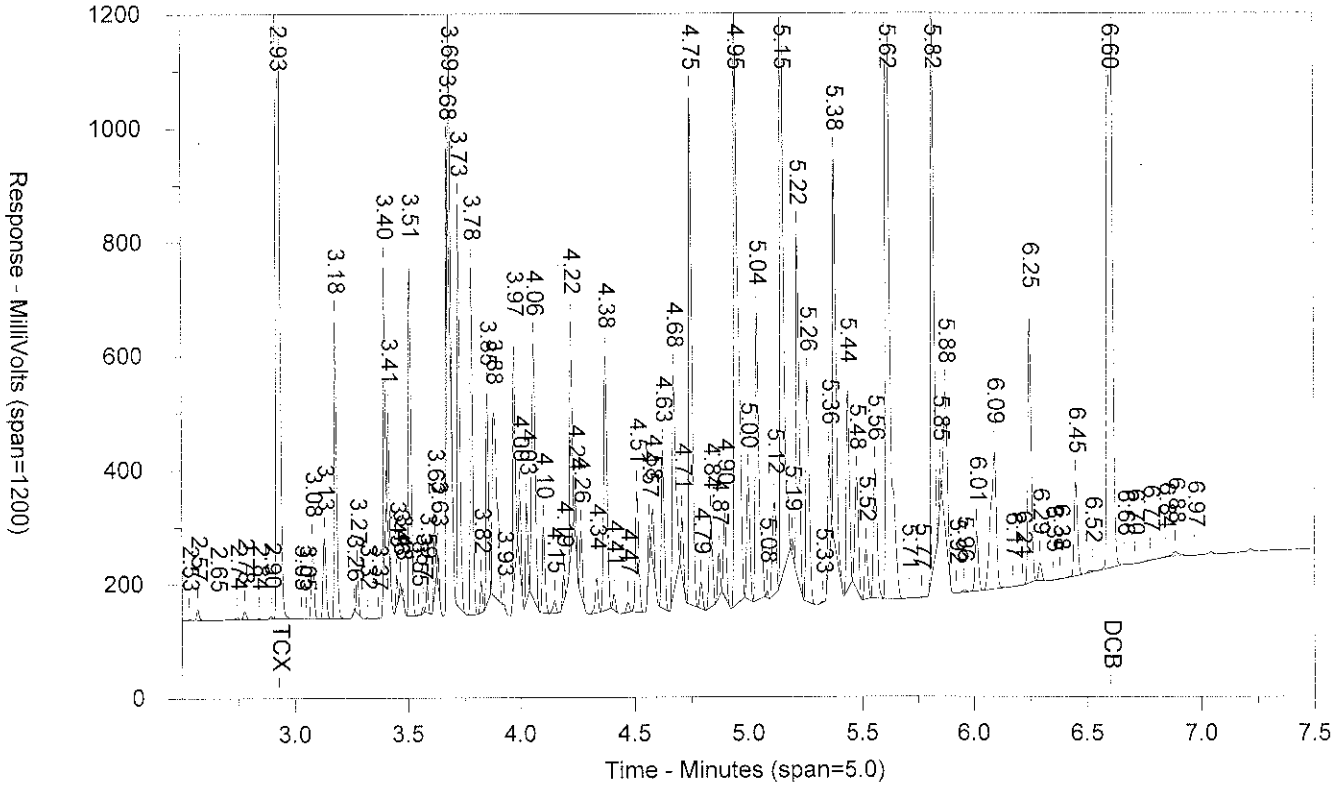

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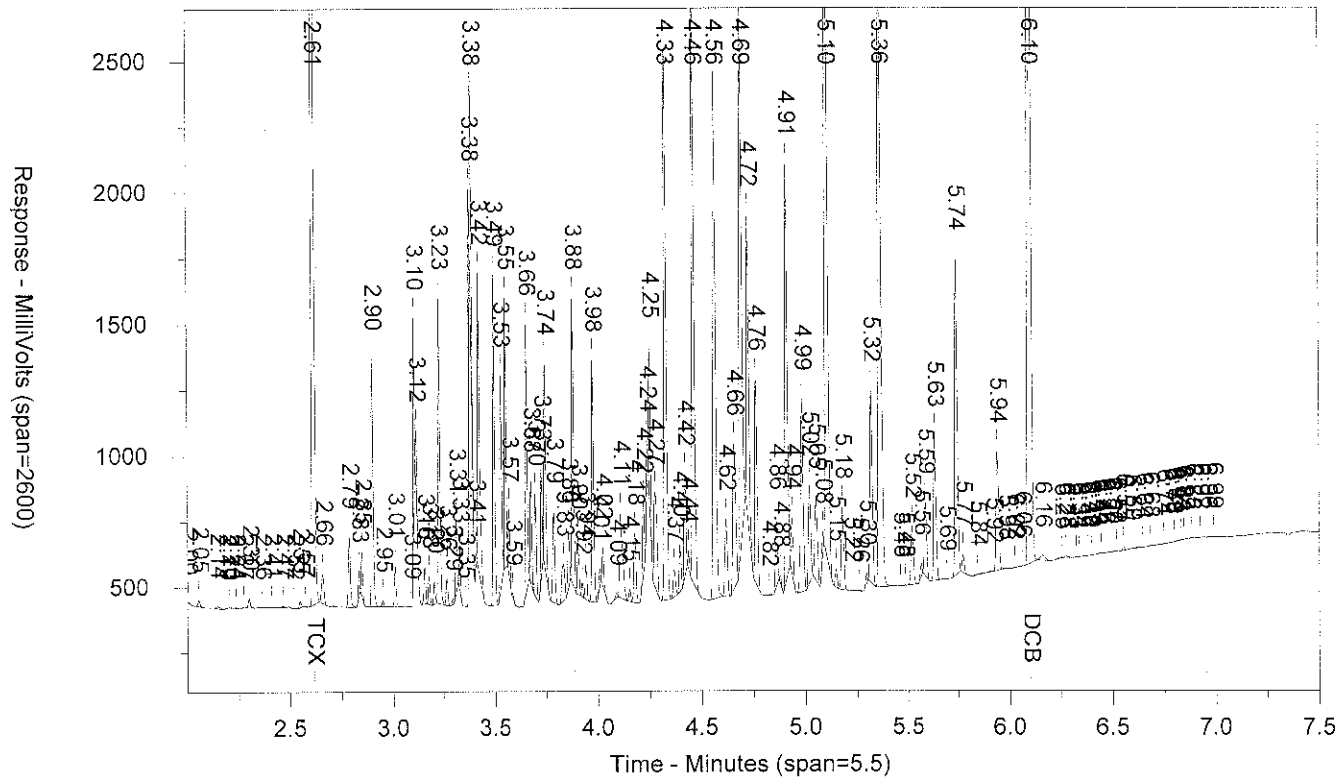

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:59:06 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	6215760	41.199	TCX	2.614	11086190	40.693	TCX
6.6	3676784	38.144	DCB	6.098	11931180	39.412	DCB

Files:
Area File: 25PCBS17284001.010.RAW
Area File: 25PCBS17284001B.010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:14 PM
File Reported On: 10/12/2017 at 3:29:09 PM

AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082

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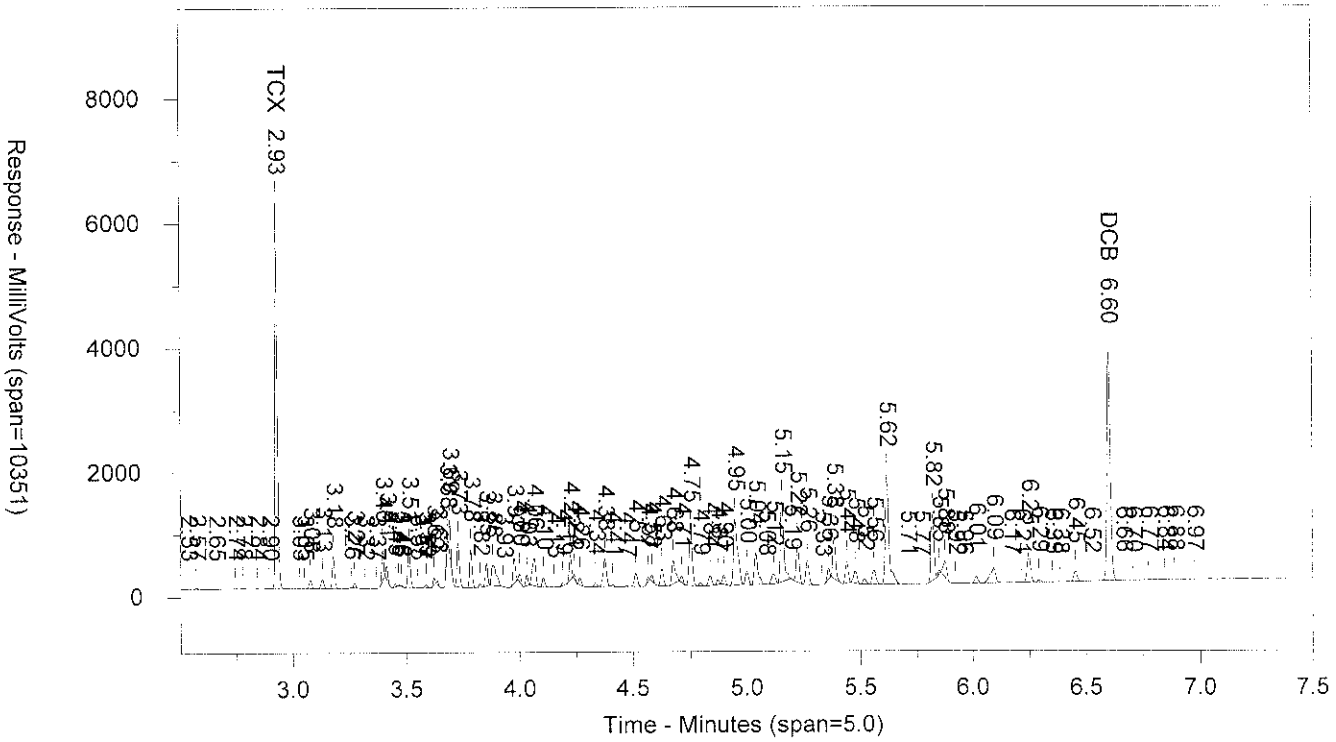

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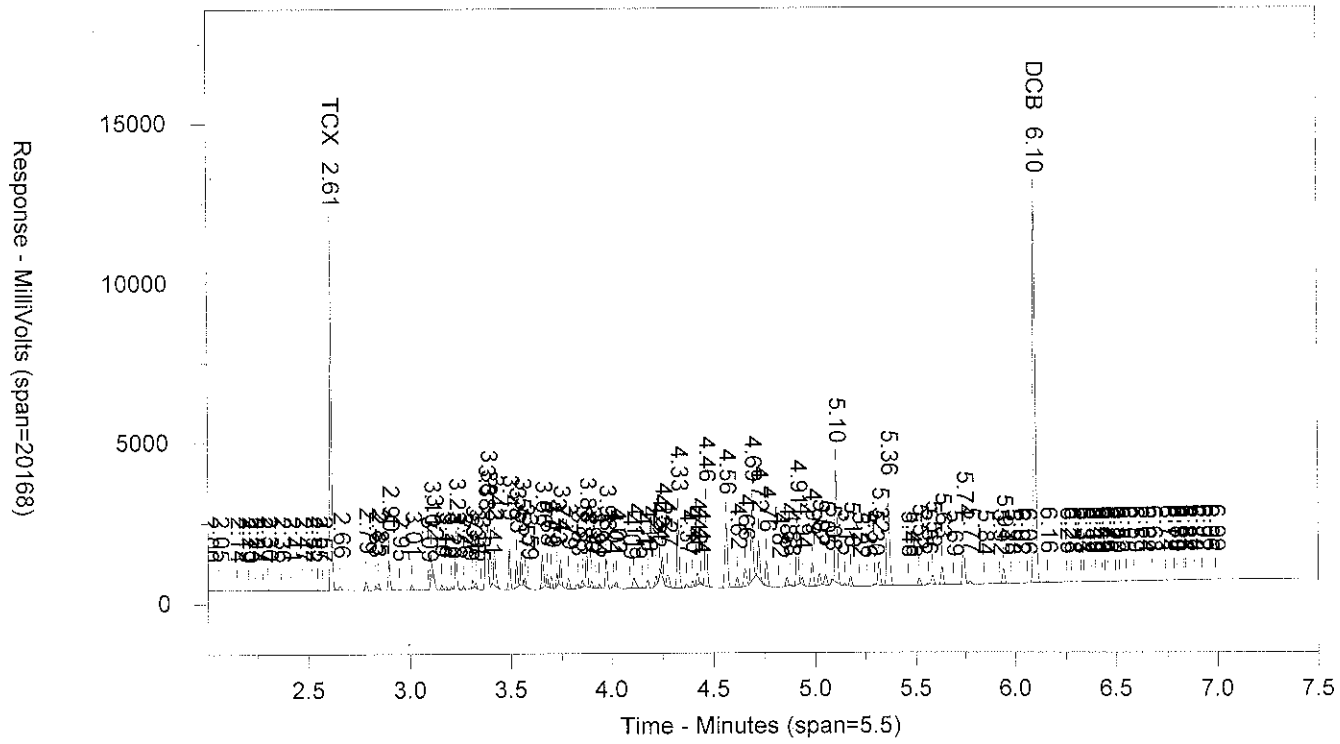

AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082

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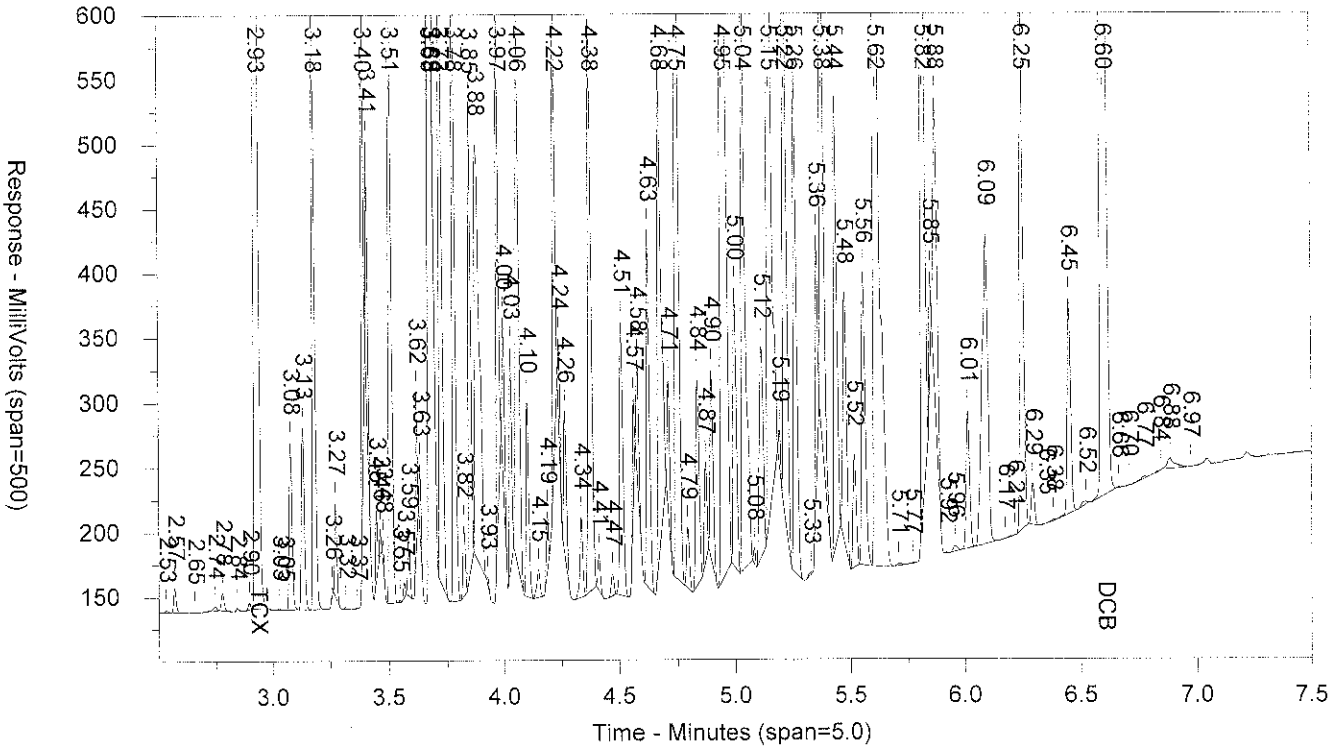

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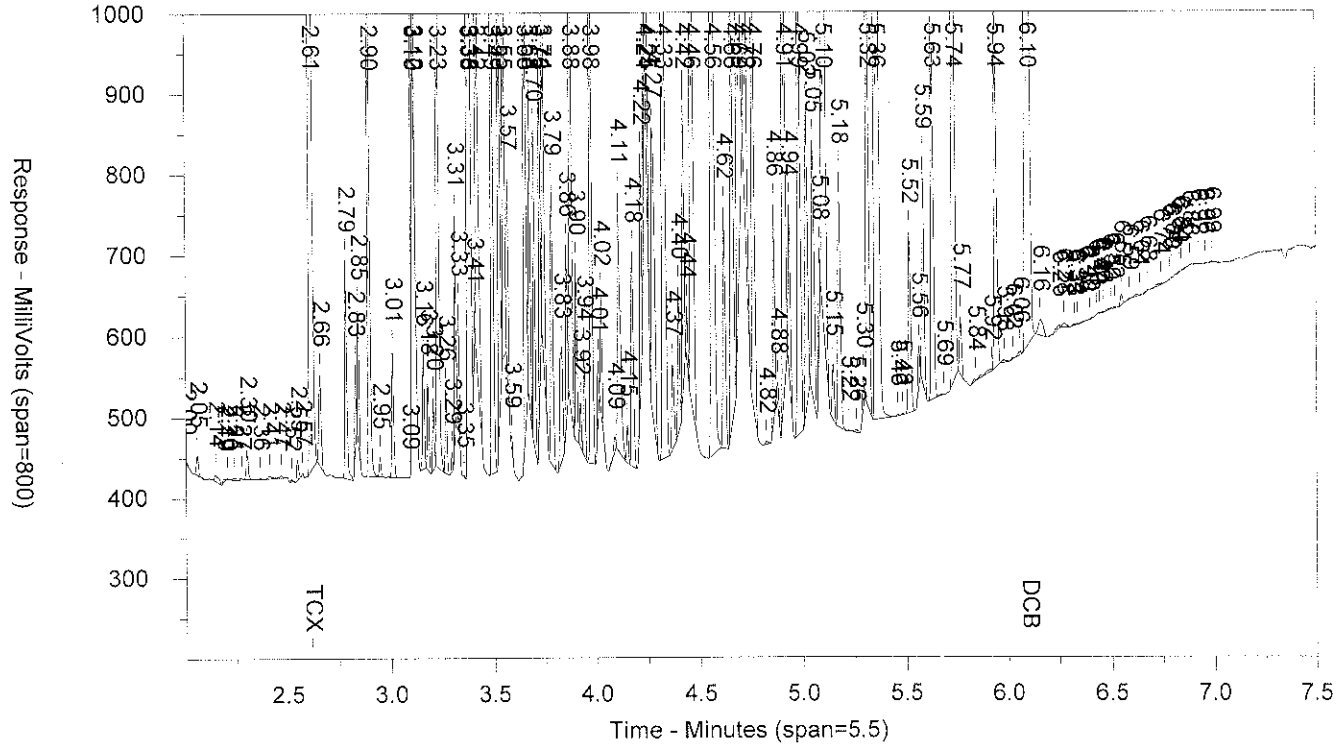

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:10:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.006		456	197
2.035		10534	10021
2.089		14078	31755
2.203		440	221
2.231		42833	33827
2.296		636	601
2.338		22282	26018
2.431		4102	3249
2.49		7038	7078
2.532		1682	1583
2.569		40539	31675
2.653		787	567
2.747		2359	3790
2.778		16875	16016
2.843		6160	4878
2.895		4495	3361
2.931	TCX	9240029	6371764
3.028		2145	1366
3.077		287742	258215
3.133		278923	251610
3.18		1220770	891278
3.258		8916	4154
3.274		164210	113011
3.315		4124	2855
3.367		529	346
3.396		1101399	662701
3.413		510472	283716
3.45		116855	67760
3.465		38943	16064
3.476		40830	17783
3.51		1442974	1140302
3.548		4667	2288
3.566		18100	10671
3.586		108895	75814
3.621		261578	153868
3.635		120496	64447
3.679		545646	291362
3.689		1369210	711195
3.726		1689949	1316625
3.783		1517115	1112930
3.824		122132	89520
3.853		879169	636632
3.881		717352	1153393
3.975		952106	698596
3.999		317507	205489
4.03		368057	264932
4.063		1117708	1142256
4.103		336960	279675
4.149		54643	50519
4.189		100085	69515
4.223		868679	648438
4.241		155664	77396
4.265		254446	199238
4.335		143216	128123

RT A	Compound A	Height A	Area A
4.377		1051274	1059276
4.412		69424	53248
4.472		36536	31308
4.512		471080	459542
4.566		159493	107868
4.582		227896	152397
4.625		633306	578778
4.675		940865	970811
4.712		229977	170440
4.751		2225967	2046252
4.793		106324	95471
4.836		365764	382254
4.872		122885	93436
4.897		334398	303850
4.949		2554685	3243830
5.001		488431	456837
5.039		1220478	1356977
5.082		31277	17177
5.117		300194	367500
5.153		3232627	3212764
5.194		69647	34276
5.22		1440568	1333577
5.262		915213	897817
5.356		429096	333892
5.381		1556701	1433665
5.439		811541	748998
5.477		484452	485654
5.518		152286	159375
5.56		534399	612671
5.618		4299768	4649678
5.709		4048	5228
5.765		1601	2066
5.821		2600012	2465213
5.852		155752	97069
5.876		550950	616066
5.92		1522	1082
5.958		4112	4733
6.014		173260	182411
6.091		532003	820288
6.202		921	1484
6.247		1072889	1086532
6.292		75422	70808
6.34		675	545
6.379		1481	1181
6.425		160	152
6.45		357145	364789
6.517		1362	2098
6.599	DCB	5606562	5695541
6.662		1904	1640
6.785		564	3715
6.843		731	187
6.88		7473	14794
6.973		1302	975

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:10:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		597	833
2.055		36837	27495
2.111		1684	1386
2.145		10161	13695
2.188		5862	8704
2.274		1526	1876
2.301		75679	54017
2.413		3553	3980
2.467		2616	1617
2.495		3811	3129
2.52		3874	3345
2.547		31830	21191
2.571		10113	6067
2.614	TCX	17069660	9810119
2.658		237909	188609
2.785		600566	406810
2.832		131417	61299
2.846		379325	205708
2.898		2137723	1328651
2.948		35474	20604
3.009		326061	210919
3.07		651	141
3.087		1484	483
3.105		1645459	797077
3.116		569814	210200
3.156		311149	189188
3.177		233846	133004
3.203		195972	109278
3.227		2614342	1757367
3.264		229956	133404
3.291		36748	17153
3.31		593298	320173
3.325		332507	164077
3.351		3950	1820
3.376		1257258	626883
3.385		2833076	1220865
3.405		125436	45445
3.419		2604305	1829863
3.493		3070676	1825861
3.528		1901908	1159082
3.552		2472852	1349947
3.57		596718	288475
3.586		32185	15326
3.655		2475795	1585041
3.678		937897	490323
3.699		900379	538088
3.728		890881	487363
3.745		2003538	1116732
3.785		792771	563752
3.83		305829	308067
3.855		495101	309938
3.877		2573210	1689074
3.902		525742	304202
3.921		132250	66401

RT B	Compound B	Height B	Area B
3.94		293654	183680
3.975		2218768	1500279
4.009		170426	102109
4.024		311056	171023
4.069		10966	5992
4.089		41047	28510
4.109		729990	699897
4.151		71058	42366
4.176		643072	450025
4.218		583535	365611
4.236		549532	259971
4.249		1441907	789847
4.275		875462	877026
4.326		5279124	3960171
4.366		233449	190981
4.396		427550	284364
4.42		936294	630721
4.437		74945	28688
4.463		5696349	4254077
4.564		4756025	4572663
4.617		709351	582617
4.656		1350630	1177263
4.691		5388907	4453282
4.723		2889590	1971740
4.762		1909030	1454524
4.822		11050	10565
4.86		566487	421866
4.877		67959	34647
4.912		3727591	2883819
4.936		497040	324437
4.985		1770455	1554933
5.02		902987	706555
5.051		724346	613809
5.082		244509	145462
5.104		9014132	7094056
5.145		164871	119603
5.176		576200	477105
5.218		2171	1099
5.257		4226	3502
5.295		92916	59046
5.319		1756713	1430556
5.363		6708825	6501283
5.436		2096	1056
5.482		2393	1498
5.518		390906	329668
5.563		129287	86750
5.585		469718	369386
5.634		1231395	1028215
5.674		1772	1681
5.741		2976182	2352514
5.773		166252	124042
5.838		3274	2699
5.859		1122	768
5.871		2861	1796
5.897		3235	3063
5.939		1011832	842824
5.97		3360	1696
5.993		1359	795
6.024		1785	1445
6.058		4853	4784
6.098	DCB	17541790	14783750
6.164		18090	24827
6.254		2945	6903
6.276		9696	11611
6.332		1332	2564
6.359		1289	542

RT B	Compound B	Height B	Area B
6.374		873	668
6.458		1192	4820
6.486		1653	1143
6.508		2406	2606
6.55		19364	16574
6.597		1433	2229
6.63		2552	4577
6.657		1430	191
6.677		1202	1209
6.72		6086	8773
6.753		1318	487
6.814		972	4028
6.839		2454	2147
6.878		2236	2136
6.893		2818	4094
6.943		1949	1624
6.97		1722	797

AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082

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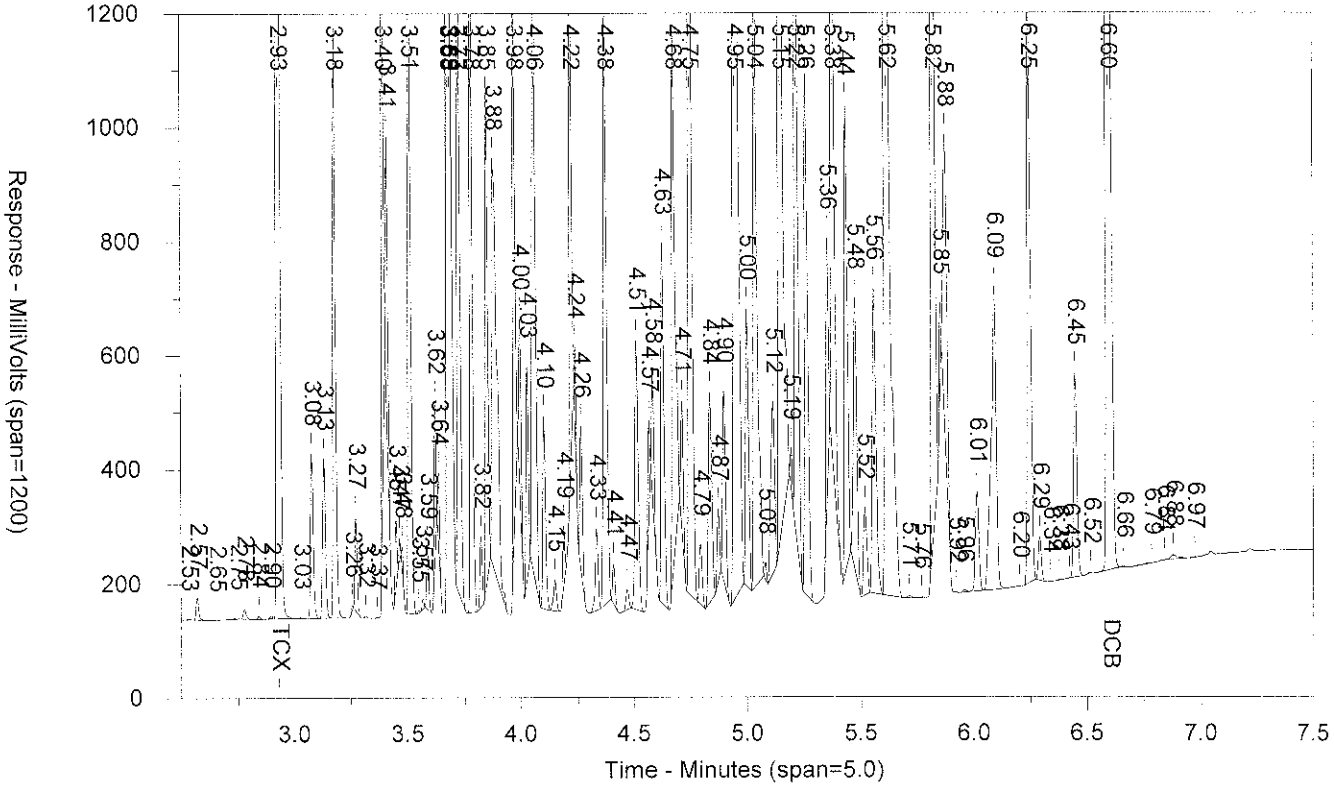

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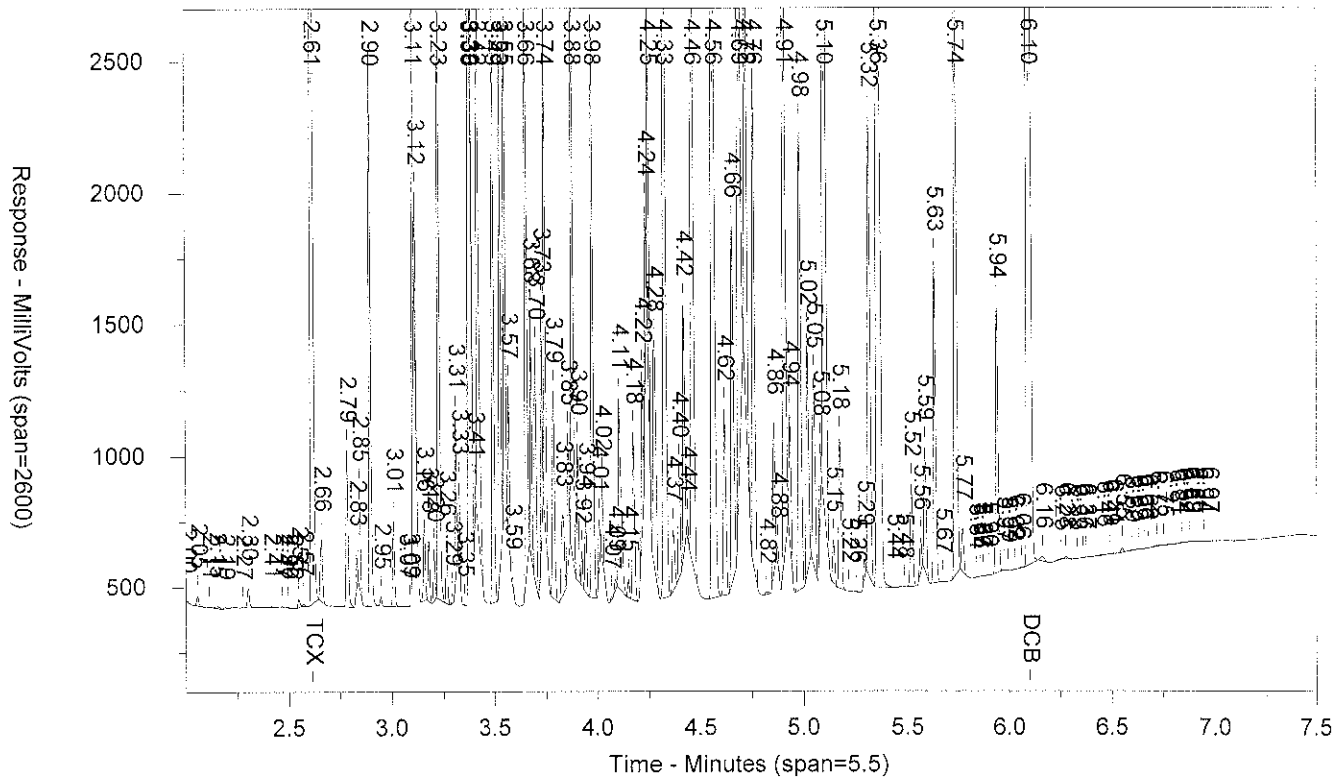


LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:10:27 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

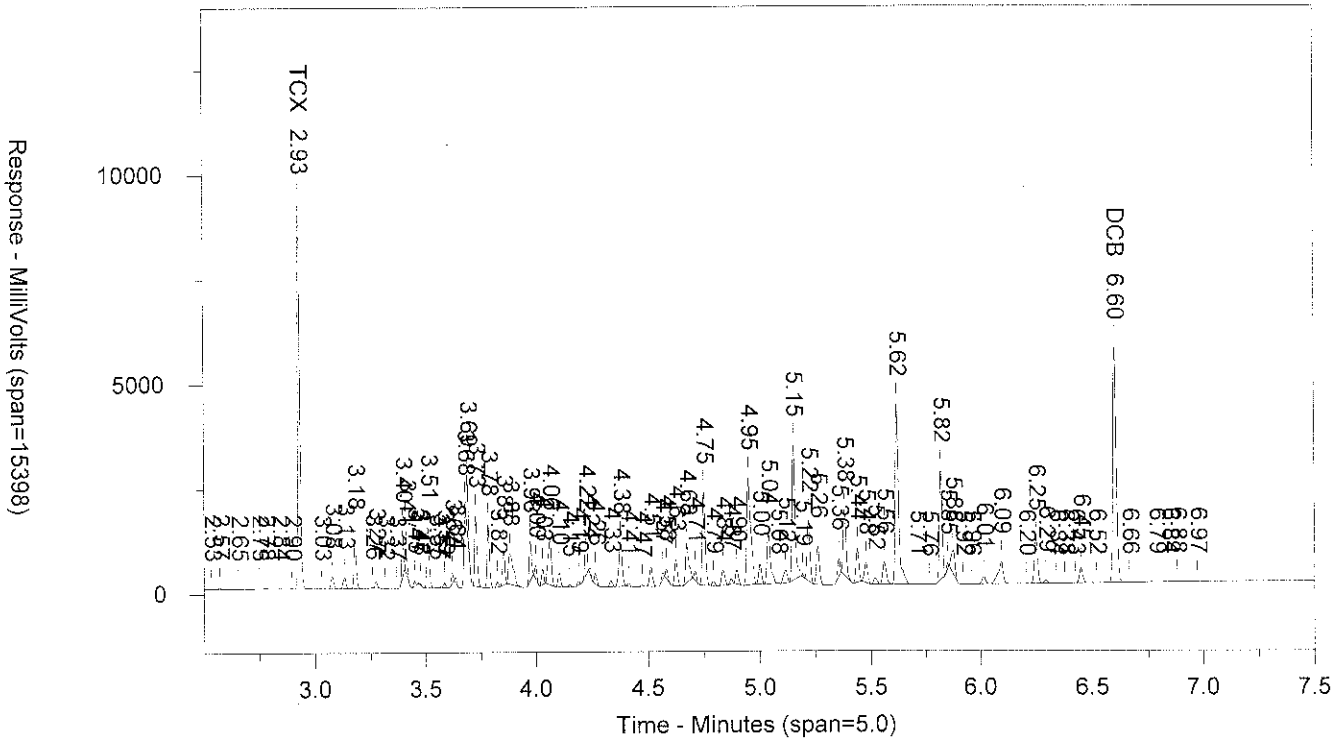
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	9240029	61.245	TCX	2.614	17069660	62.656	TCX
6.599	5606562	58.165	DCB	6.098	17541790	57.945	DCB

Files:
Area File: 25PCBS17284001.011.RAW
Area File: 25PCBS17284001B.011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:14 PM
File Reported On: 10/12/2017 at 3:29:33 PM

AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.011.RAW



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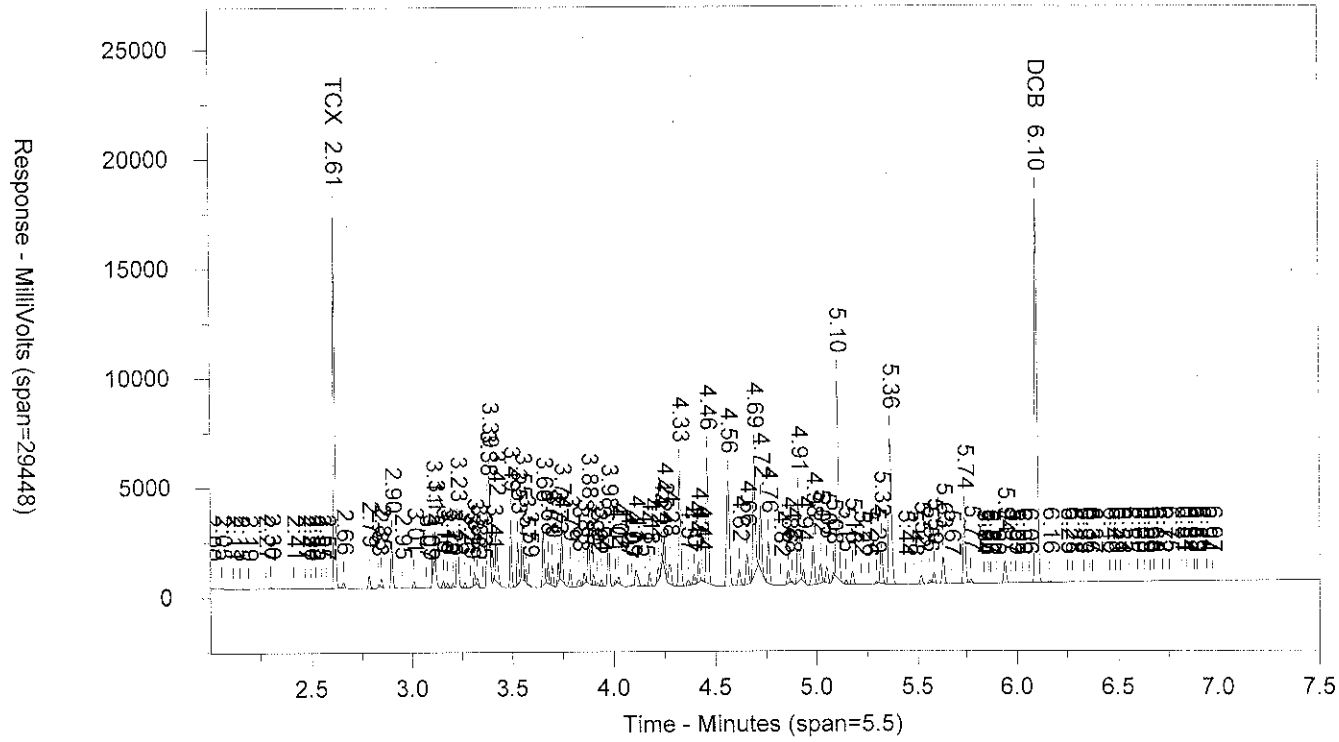

AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082

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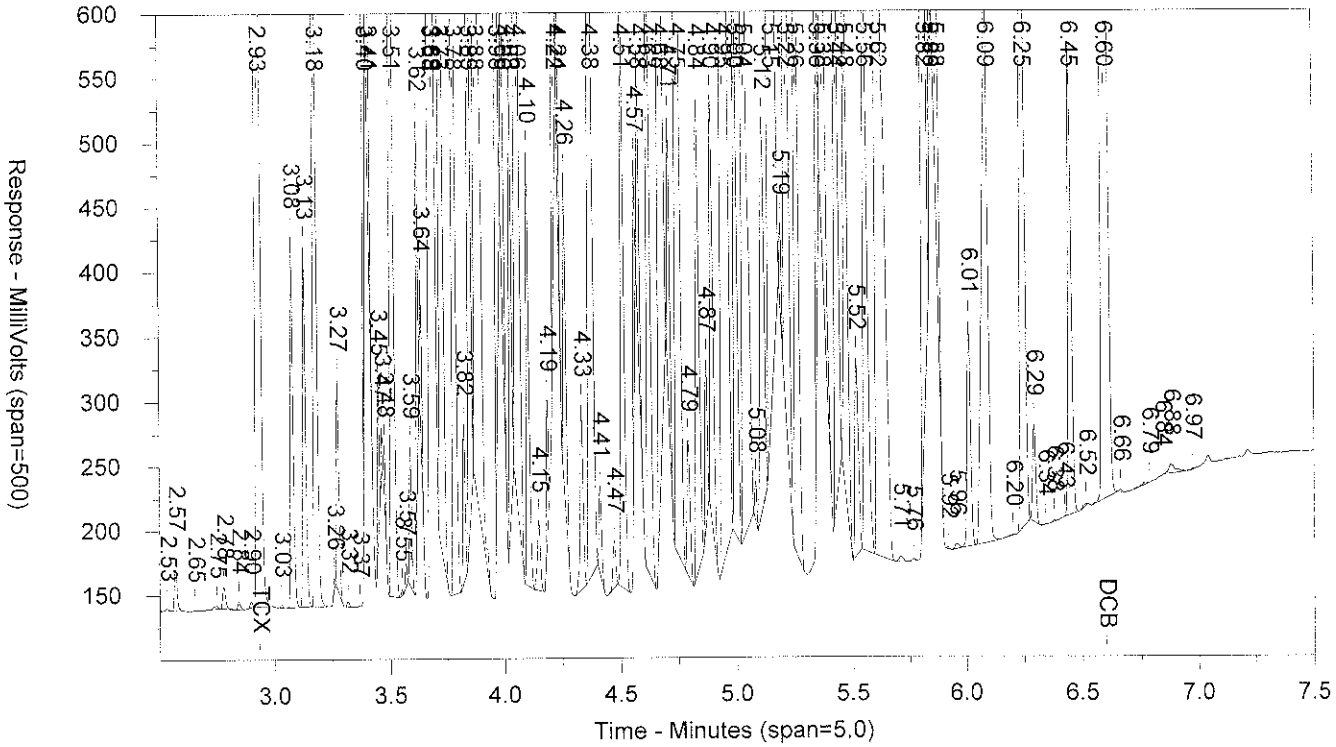

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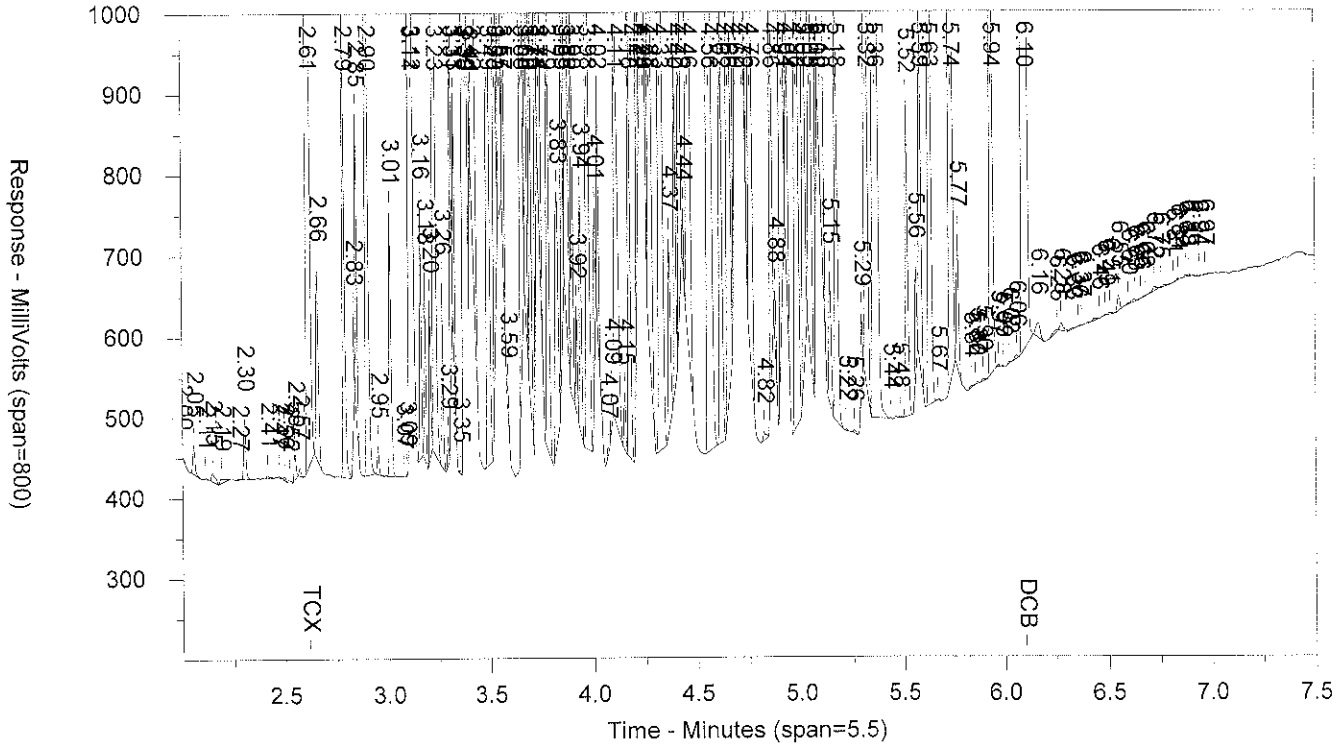

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:21:43 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		8242	7848
2.087		14450	31772
2.203		766	374
2.23		55241	43357
2.338		27305	30285
2.431		5349	4428
2.489		5341	5728
2.532		1564	1619
2.568		74015	57227
2.655		1132	1183
2.711		520	350
2.746		2292	2639
2.776		16877	14591
2.841		11584	8962
2.896		3152	2377
2.929	TCX	12108330	8416112
3.027		3288	2104
3.076		550658	484566
3.132		511657	432112
3.179		2375458	1722468
3.256		9625	4566
3.272		307171	213112
3.314		9036	5801
3.394		2188928	1284968
3.411		1006310	549599
3.448		225506	129734
3.464		63644	28068
3.474		65904	29902
3.508		2844411	2219002
3.546		9413	4590
3.563		28683	17118
3.584		204222	145685
3.619		490563	289160
3.633		265359	131950
3.676		1094737	632887
3.687		2829298	1455899
3.724		3396286	2612628
3.781		2980047	2223720
3.822		214914	162979
3.85		1700342	1244747
3.879		1459165	2252981
3.973		1911845	1404695
3.997		631301	390301
4.028		736794	507283
4.061		2225446	2274160
4.101		650424	533413
4.147		107741	101204
4.187		182211	126402
4.221		1823390	1334297
4.239		322652	164140
4.263		461692	375136
4.333		267088	242934
4.375		2069327	2065394
4.409		130692	100745

RT A	Compound A	Height A	Area A
4.47		70345	59041
4.51		889872	861072
4.564		279131	193768
4.58		403744	276159
4.624		1262282	1129386
4.673		1801786	1903175
4.709		445412	323612
4.749		4321870	4067647
4.792		191786	175880
4.834		722071	732946
4.869		179506	135935
4.896		649164	586005
4.947		5199572	6454346
4.998		947799	860312
5.038		2466321	2678898
5.08		58529	33660
5.115		501938	622932
5.151		6481004	6471130
5.192		134847	69091
5.218		2813504	2649803
5.261		1814411	1752624
5.354		890874	698270
5.38		3319424	2932186
5.436		1614844	1469286
5.475		933210	933637
5.517		232074	253525
5.558		1106905	1189104
5.616		8813694	9237048
5.706		7853	10244
5.768		2789	3193
5.819		5315422	4925780
5.85		293536	180128
5.876		1165575	1283928
5.919		3216	2277
5.965		2464	3177
6.012		252372	261788
6.091		980103	1428721
6.176		530	800
6.198		1491	1863
6.246		2139128	2106472
6.292		139665	133201
6.341		1011	692
6.385		1175	1904
6.449		624763	649445
6.521		3767	5342
6.599	DCB	7289360	7485780
6.659		5124	5281
6.723		337	465
6.747		627	651
6.764		857	294
6.786		651	607
6.817		806	1184
6.847		568	947
6.882		7791	17699
6.967		572	297
6.982		792	438

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:21:43 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		47095	37416
2.144		12227	13941
2.186		5629	7794
2.233		2089	2411
2.3		127026	96859
2.41		3794	4171
2.467		2943	2812
2.547		34270	27414
2.571		19588	11228
2.614	TCX	22234370	13097840
2.658		412170	333148
2.785		1113172	748623
2.832		151998	67820
2.846		723568	396099
2.898		4192003	2535049
2.947		45369	26010
3.009		582492	381751
3.067		1176	536
3.086		1931	891
3.104		3088324	1554607
3.115		1161749	447500
3.155		576835	356535
3.176		417325	241668
3.202		368463	204543
3.226		5135051	3389075
3.263		400139	241792
3.29		44999	20591
3.309		1172535	621185
3.324		658331	313240
3.35		7496	3439
3.374		2961327	1384331
3.384		5519257	2366465
3.404		249066	91726
3.418		5427647	3655880
3.492		5972389	3630203
3.527		3764402	2295430
3.55		4759249	2678053
3.568		1168281	572261
3.584		50426	24465
3.624		1091	416
3.654		4828637	3132286
3.677		1822929	949518
3.697		1818321	1042485
3.726		1843044	977558
3.743		4036362	2281827
3.783		1508913	1087275
3.829		564056	569685
3.853		969016	613747
3.875		5286489	3423770
3.9		1010133	602657
3.92		238541	120446
3.938		563645	342580
3.973		4447989	2979307
4.007		346285	206598

RT B	Compound B	Height B	Area B
4.022		588722	311943
4.067		23209	12456
4.088		67787	52721
4.107		1350058	1330521
4.15		114913	64888
4.174		1245466	890858
4.216		1233684	759197
4.235		1112331	508247
4.248		3153585	1721302
4.273		1719919	1741114
4.324		10918560	7887949
4.365		434321	354450
4.394		890684	578489
4.418		1943700	1302006
4.435		91861	34743
4.46		11850120	8577930
4.562		9724142	9169579
4.615		1389521	1134935
4.654		2580883	2243216
4.689		11659360	9207633
4.721		5707439	3964069
4.759		3878493	2959269
4.819		21330	22668
4.859		1191355	837822
4.875		96521	50431
4.909		7654921	5807768
4.933		1011849	647431
4.982		3634760	3122589
5.018		1808675	1404165
5.048		1443275	1180628
5.081		524804	318473
5.102		18390400	14532820
5.143		331635	238136
5.175		955281	786952
5.217		5544	3241
5.253		6121	4770
5.293		167620	108392
5.316		3667574	2854049
5.361		12845610	13174730
5.431		3045	1663
5.461		4190	2375
5.48		6116	3758
5.516		566787	486347
5.561		279293	198751
5.584		678066	512538
5.633		2369736	1994165
5.68		2021	1063
5.74		5878639	4709058
5.771		317893	239879
5.837		3471	2882
5.869		2103	2229
5.896		2731	2244
5.938		1819497	1513264
5.968		4197	2306
5.989		2623	1367
6.021		2157	1959
6.059		4893	4260
6.097	DCB	23898270	19567140
6.159		16849	23464
6.24		1872	3237
6.253		2755	1898
6.276		17193	15904
6.345		1261	597
6.364		1433	620
6.396		946	287
6.437		2911	3829

RT B	Compound B	Height B	Area B
6.487		1712	2600
6.502		3116	2137
6.548		23217	19559
6.581		1256	618
6.622		4972	6148
6.681		2473	3058
6.723		7294	10612
6.849		1857	6932
6.88		2148	2227
6.901		1545	982
6.94		4066	4678
6.987		893	1076

AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082

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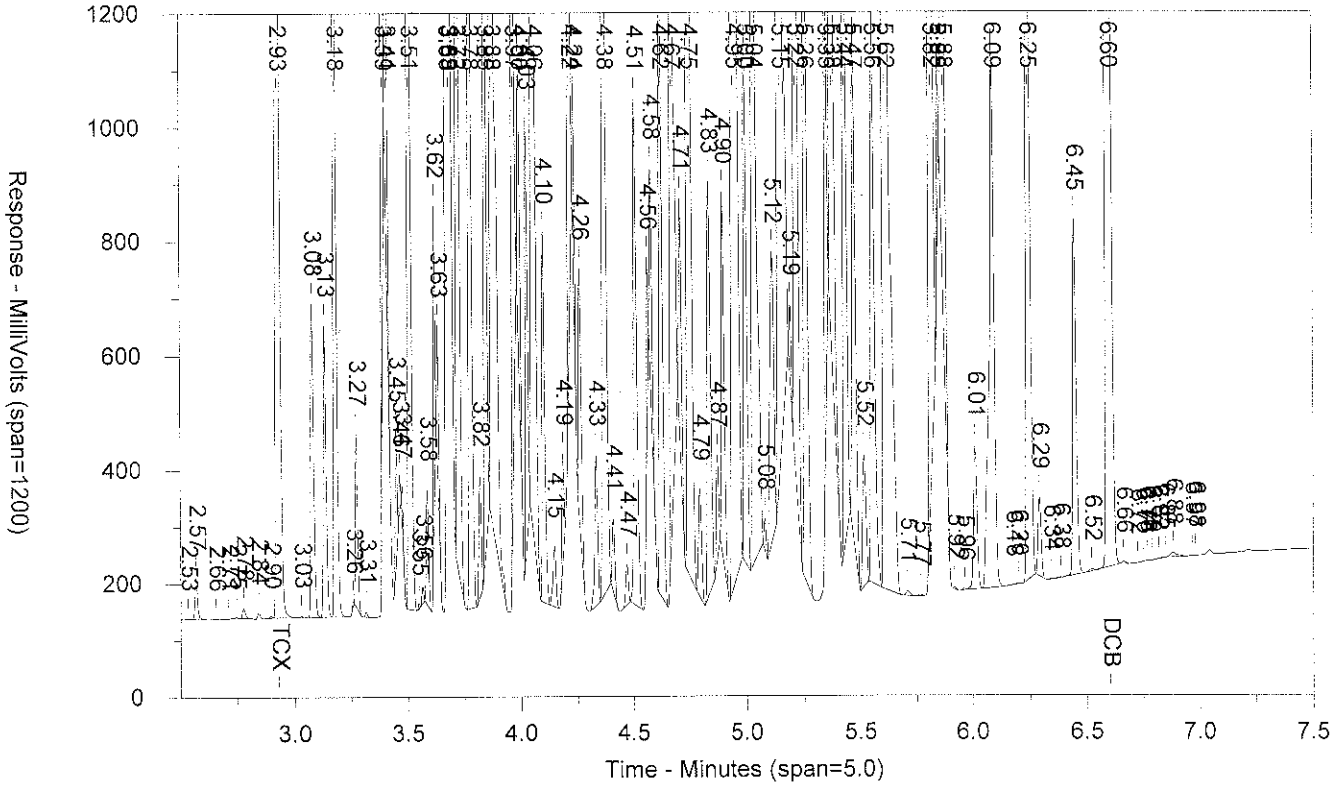

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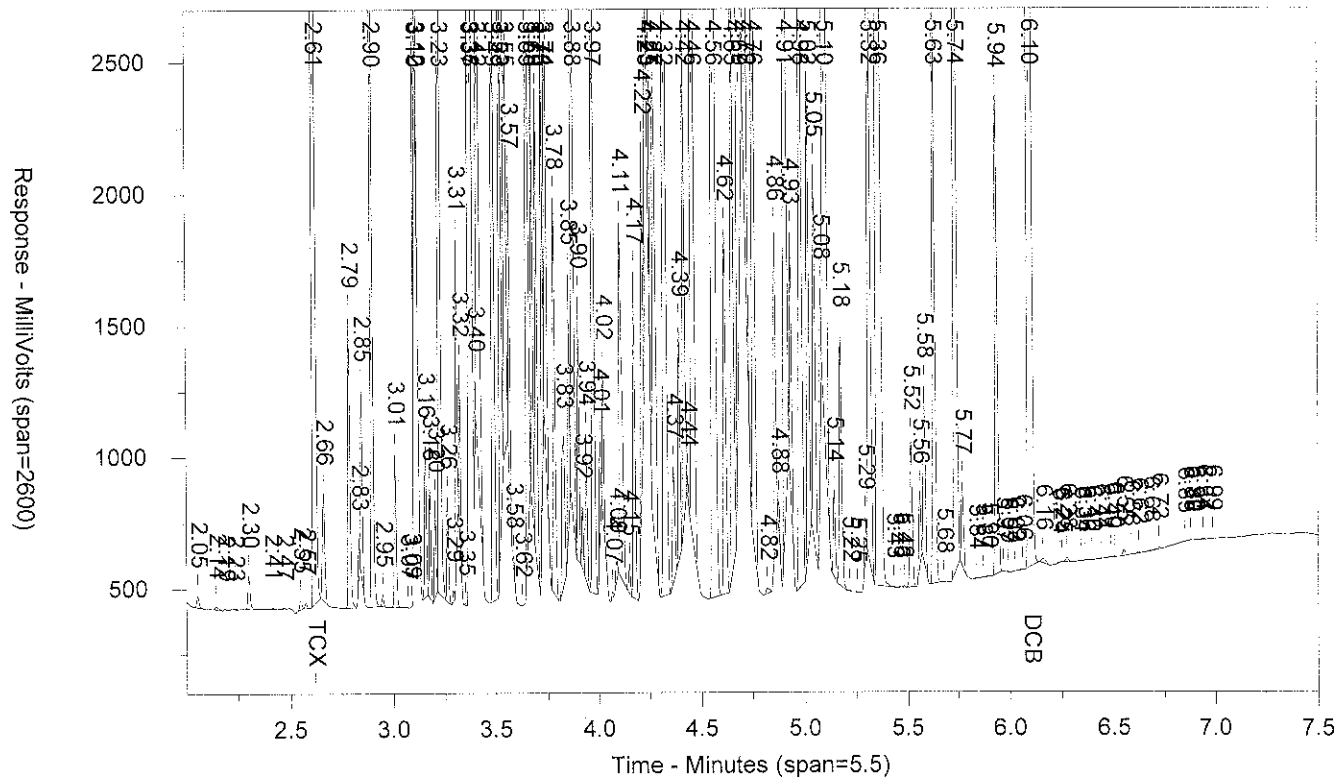

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:21:43 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.929	12108330	80.256	TCX	2.614	22234370	81.613	TCX
6.599	7289360	75.622	DCB	6.097	23898270	78.941	DCB

Files:
Area File: 25PCBS17284001.012.RAW
Area File: 25PCBS17284001B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:15 PM
File Reported On: 10/12/2017 at 3:29:59 PM

AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082

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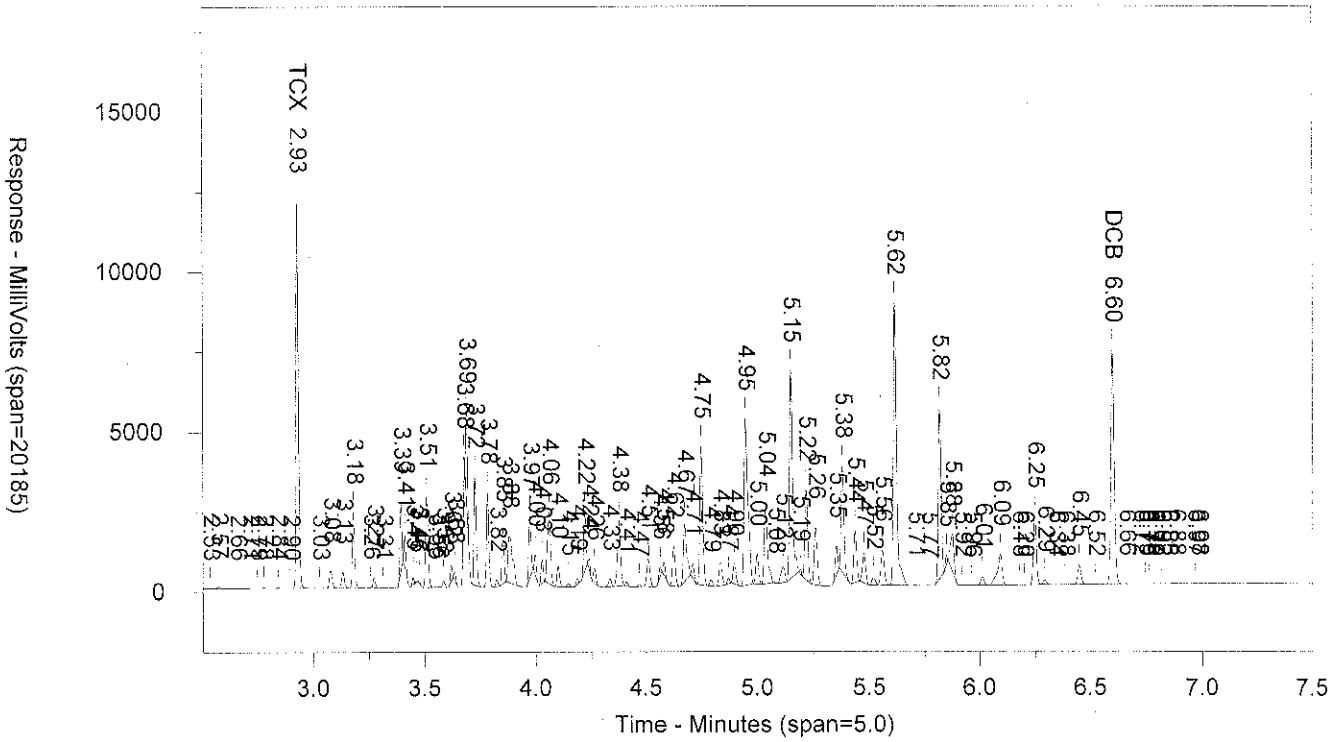

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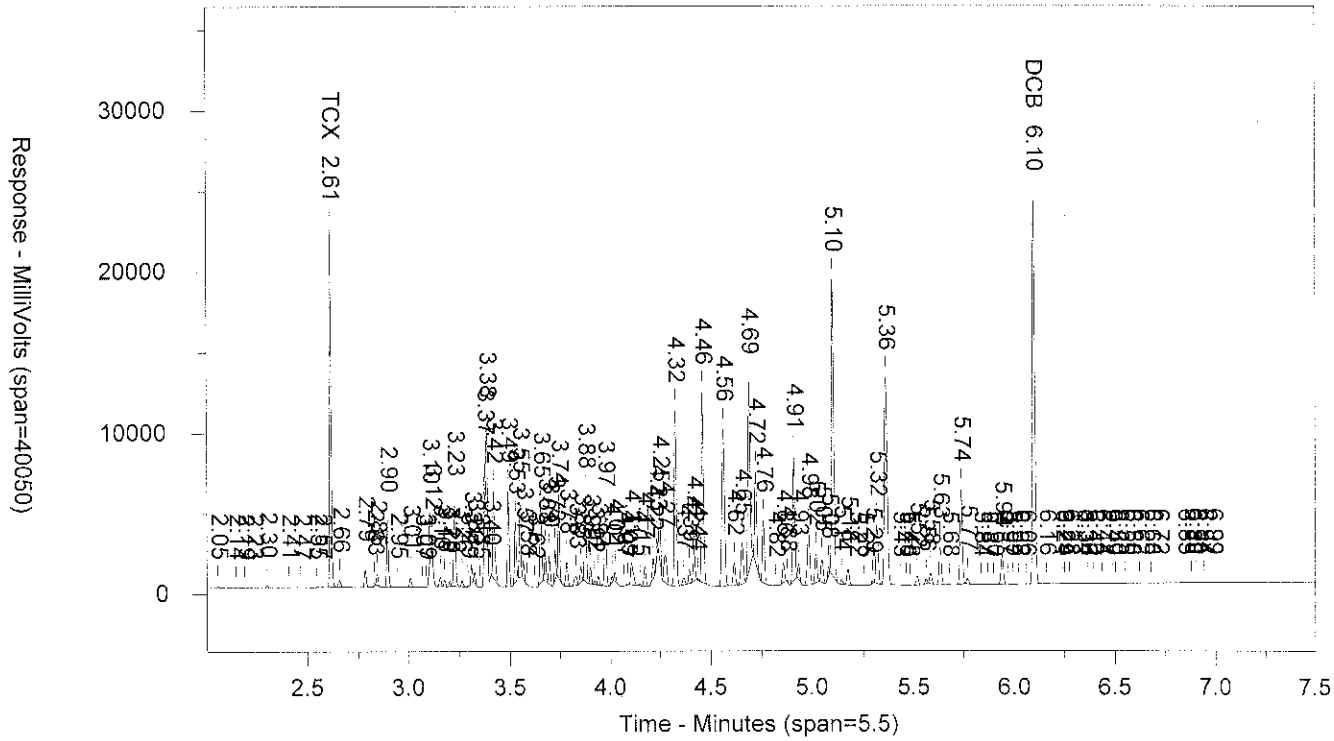

AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082

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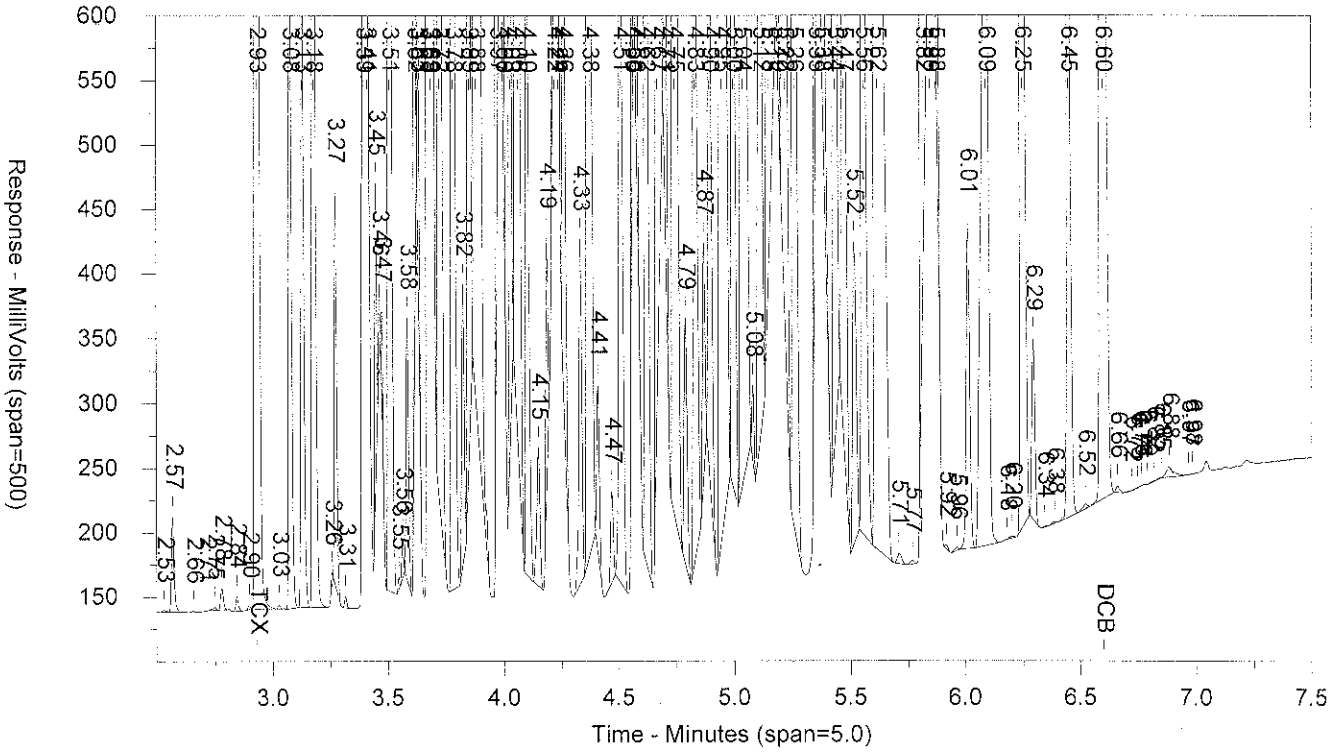

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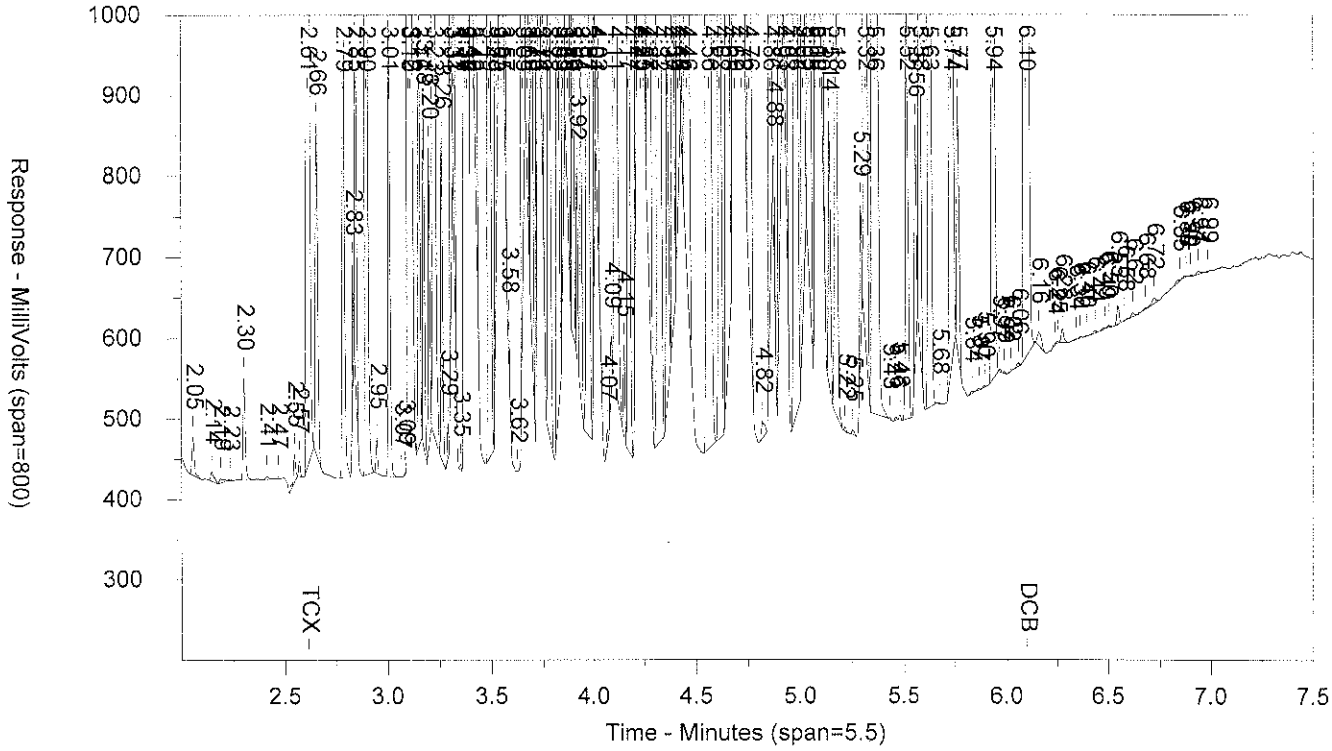

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:33:08 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		9104	8273
2.089		11239	23941
2.229		2077	3917
2.33		12165	8865
2.368		602	672
2.491		5754	5877
2.532		1575	1348
2.57		1415	762
2.689		360	246
2.711		434	271
2.747		1726	1675
2.778		12394	11589
2.854		564	368
2.897		4223	3538
2.93	TCX	279775	194040
2.969		560	246
3.079		7770	6906
3.13		5183	5144
3.181		19185	14233
3.262		1510	994
3.273		1819	853
3.369		307	211
3.397		36958	23002
3.413		11113	6088
3.45		2184	1152
3.466		2886	2158
3.511		40545	31458
3.54		519	375
3.566		541	228
3.587		4743	2712
3.605		1444	639
3.621		5302	2958
3.636		1663	725
3.679		26225	14898
3.69		29251	13553
3.728		55144	43028
3.784		46297	35245
3.824		6910	4992
3.853		74742	56038
3.88		44938	36838
3.902		10004	5027
3.931		3112	2522
3.976		86175	61751
4		22821	14582
4.031		29722	21126
4.064		71123	66296
4.104		24362	19598
4.151		1786	1373
4.171		1626	1034
4.191		5950	4084
4.223		52633	35473
4.242		64604	41058
4.266		80262	62050
4.336		6943	6379

RT A	Compound A	Height A	Area A
4.37		74161	107283
4.412		18533	12647
4.453		1091	738
4.474		4040	3069
4.516		22157	20436
4.566		29591	25694
4.597		14030	10785
4.627		51813	44345
4.677		1006	758
4.71		19217	17676
4.752		4930	5792
4.799		4645	4206
4.839		31782	30136
4.873		2641	1923
4.904		263	411
4.916		1753	1273
4.966		8064	13924
5.035		30095	31433
5.083		1044	604
5.113		5211	5533
5.154		9285	9148
5.194		831	433
5.221		1450	1428
5.264		1055	1081
5.325		4602	5626
5.359		2503	2077
5.386		1723	1381
5.442		877	1130
5.48		663	768
5.52		2694	3127
5.558		1646	1585
5.62		2699	2092
5.646		6860	8751
5.725		672	528
5.772		252	278
5.824		2548	3330
5.882		1345	2652
5.957		3837	6900
6.015		4641	4987
6.055		774	194
6.078		8000	9695
6.14		501	552
6.16		565	324
6.247		3872	5996
6.289		2020	2461
6.331		738	599
6.453		4020	6620
6.514		2133	2542
6.6	DCB	206714	220512
6.703		828	1207
6.726		734	245
6.773		1797	2541
6.859		780	517
6.885		7325	13627

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:33:08 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1409	1085
2.115		1446	1482
2.157		4323	3970
2.187		2897	2173
2.207		1714	1346
2.229		1989	2530
2.302		3479	3163
2.412		3056	4683
2.467		2761	1941
2.517		3174	1579
2.548		24895	20354
2.614	TCX	505490	306028
2.658		6531	5261
2.713		1755	1443
2.786		18603	15527
2.832		7309	3811
2.848		5584	3087
2.898		42044	27389
3.011		7865	5685
3.069		927	264
3.086		392	135
3.105		61278	30948
3.116		12952	5007
3.157		6132	3401
3.178		7942	5518
3.202		1610	789
3.227		80889	52288
3.264		12471	7095
3.294		2000	935
3.311		13976	7477
3.326		7807	4301
3.346		525	254
3.355		1598	495
3.376		57960	28273
3.385		59755	25671
3.405		14230	6051
3.419		84698	57274
3.453		1677	984
3.475		625	69
3.494		99323	64077
3.528		165477	103726
3.552		152480	87932
3.571		49741	24912
3.629		925	227
3.636		767	258
3.656		197348	129147
3.679		66113	34832
3.7		69561	41194
3.729		37476	19052
3.745		130212	79648
3.786		57014	40217
3.833		10673	8934
3.855		99339	63276
3.878		227990	153078

RT B	Compound B	Height B	Area B
3.903		155916	98080
3.921		13465	6398
3.942		16416	10941
3.976		79305	50933
4.011		120327	100428
4.039		54919	29193
4.085		13767	12745
4.12		48078	36277
4.152		3753	2690
4.177		74763	54164
4.21		42177	28076
4.237		111351	84374
4.33		46792	45916
4.367		9432	7002
4.398		62776	46367
4.421		2395	1180
4.438		4935	3580
4.464		9231	5928
4.488		3927	3266
4.521		899	511
4.563		11750	14908
4.616		58368	48599
4.663		9687	9446
4.695		12170	10214
4.767		1820	1532
4.84		1654	2461
4.882		1703	1195
4.912		3966	3203
4.937		5239	4158
4.973		2213	1583
5.018		2991	4478
5.057		4542	3696
5.084		2388	1655
5.106		5336	4043
5.178		11837	11708
5.23		797	346
5.249		1254	363
5.264		1661	1203
5.303		1323	1807
5.321		2338	1905
5.369		4732	5570
5.399		895	315
5.447		1045	309
5.519		9358	9144
5.541		1934	1142
5.588		17242	16952
5.64		5516	6522
5.687		1119	1168
5.743		2808	1897
5.771		1202	892
5.798		3030	4178
5.857		1770	3604
5.877		2206	1904
5.908		2357	2371
5.942		9438	9023
5.988		2406	3380
6.022		1863	1625
6.056		3582	3536
6.099	DCB	615282	533411
6.161		23368	38497
6.252		5393	11064
6.277		1361	565
6.336		1483	2930
6.37		1875	2228
6.388		1336	373
6.432		1176	1517

RT B	Compound B	Height B	Area B
6.442		2140	876
6.473		1422	698
6.486		1933	866
6.502		1520	678
6.516		1713	937
6.556		1185	721
6.584		1385	1197
6.618		2089	2282
6.634		1256	460
6.657		1179	587
6.689		920	928
6.738		1666	2945
6.778		1690	1702
6.788		1751	413
6.815		1398	383
6.893		1930	9414
6.915		1330	927
6.962		849	433
6.985		1037	260

AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082

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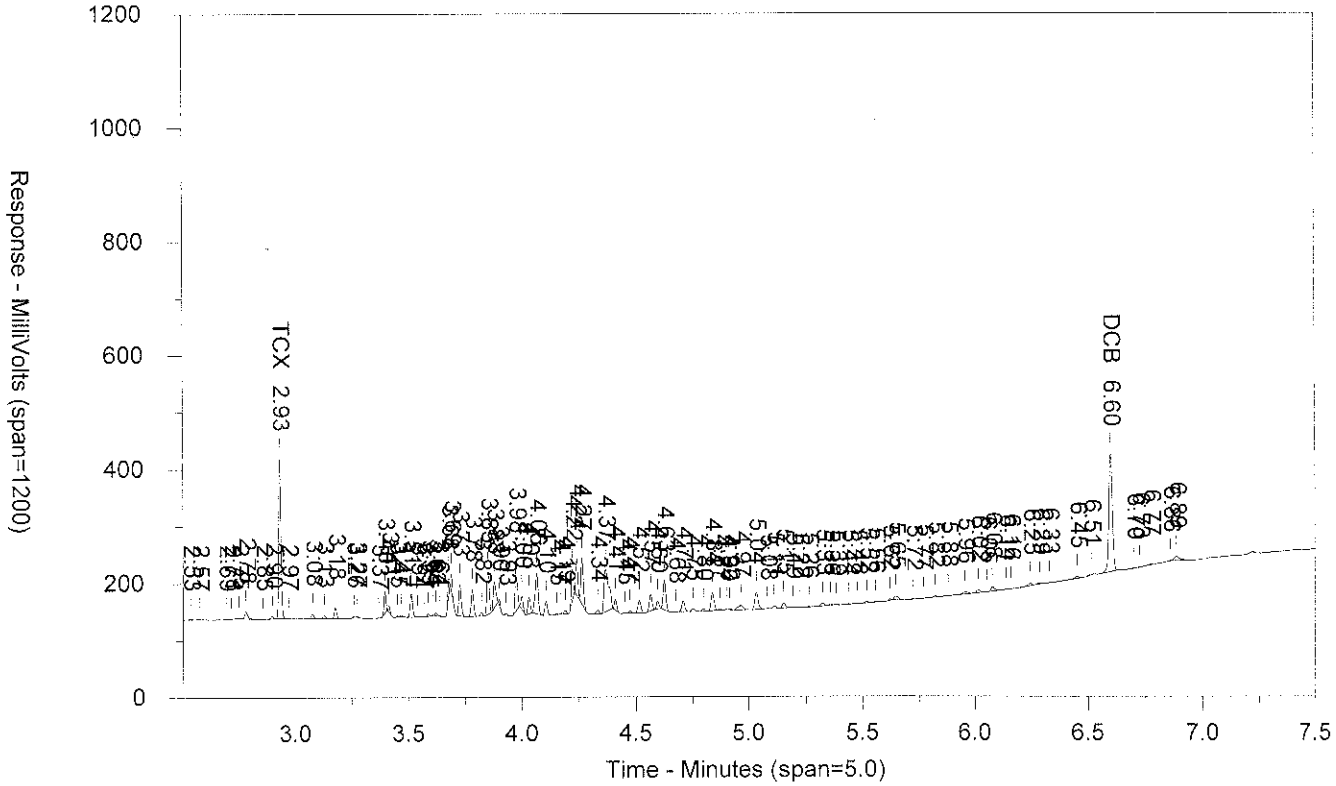

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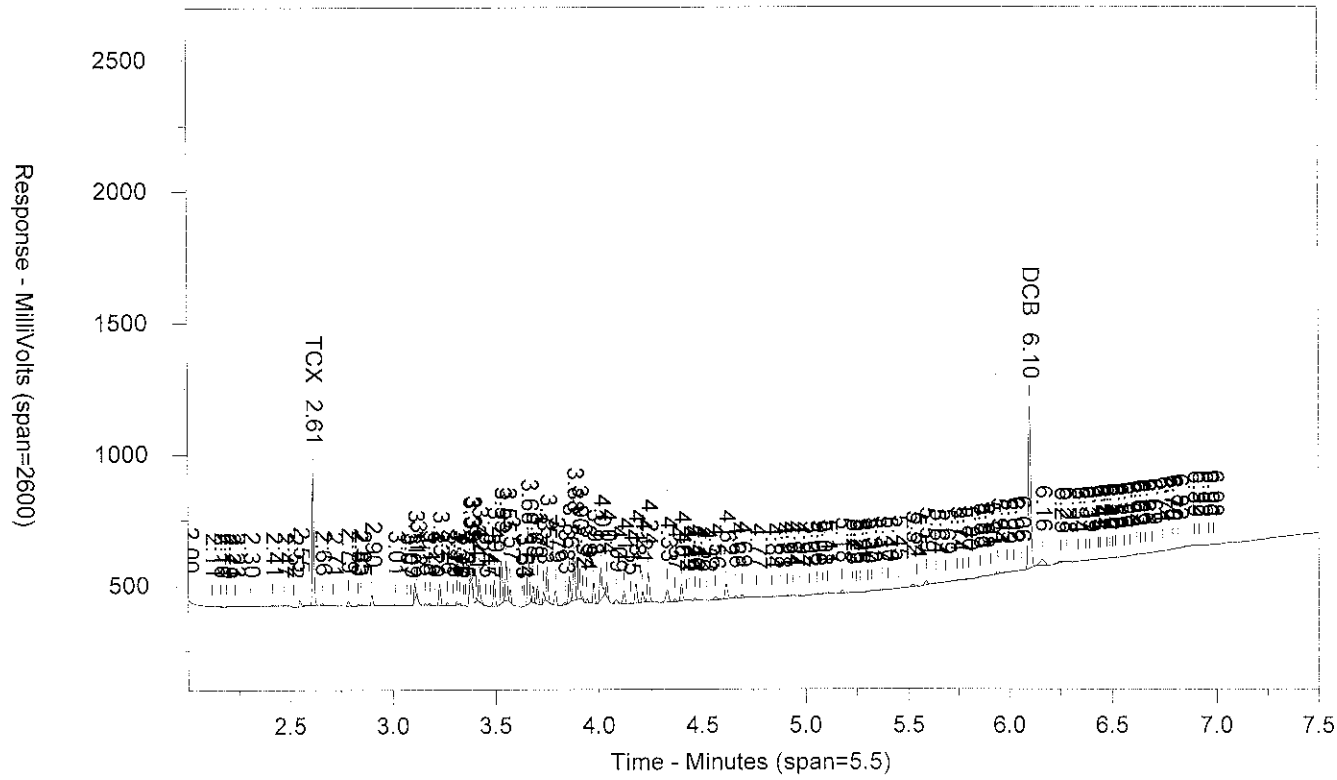

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:33:08 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	279775	1.854	TCX	2.614	505490	1.855	TCX
6.6	206714	2.145	DCB	6.099	615282	2.032	DCB

Files:
Area File: 25PCBS17284001.013.RAW
Area File: 25PCBS17284001B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:15 PM
File Reported On: 10/12/2017 at 3:33:14 PM

AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082

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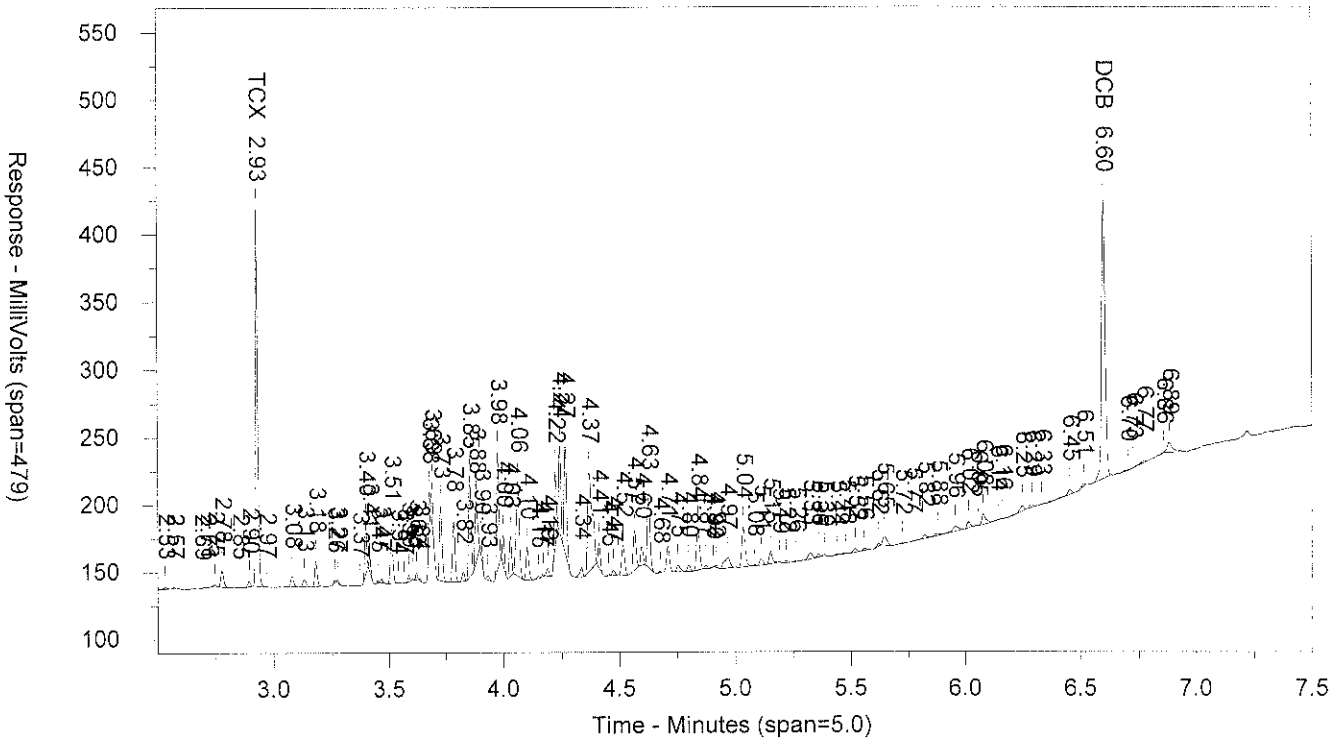

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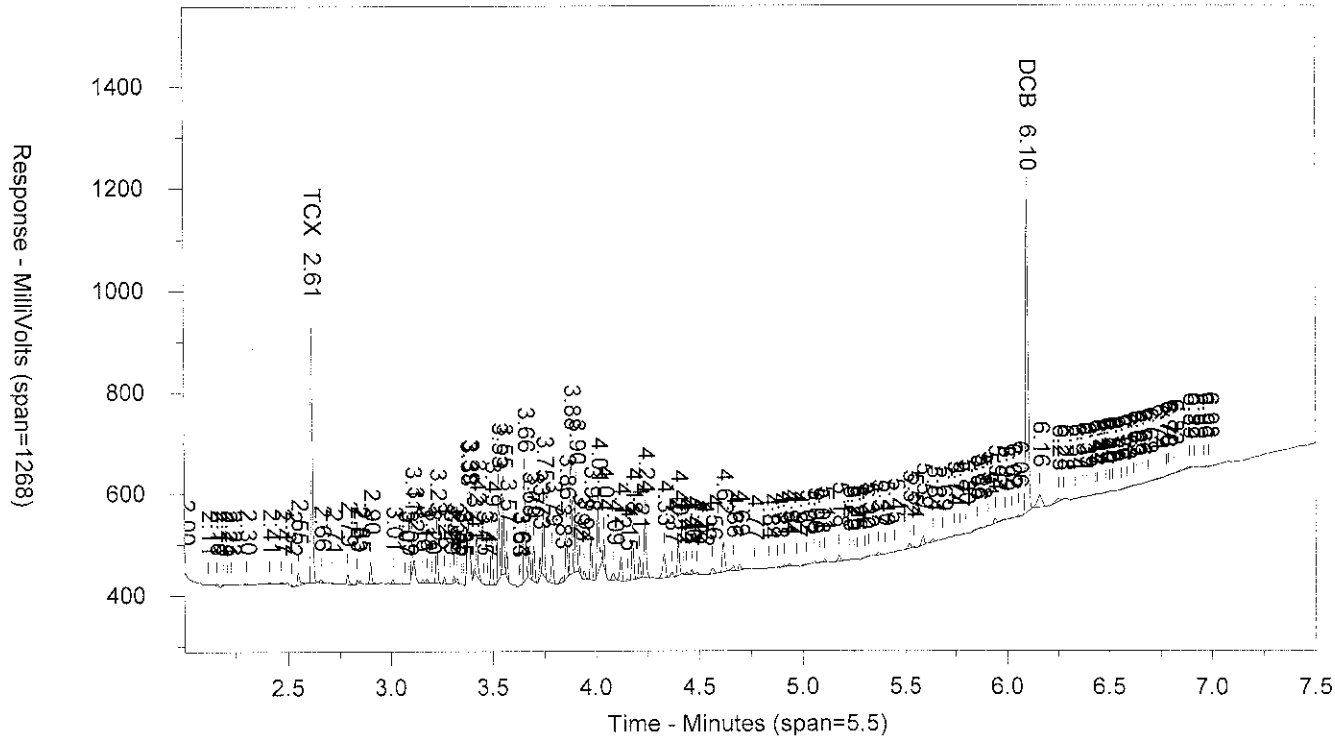

AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082

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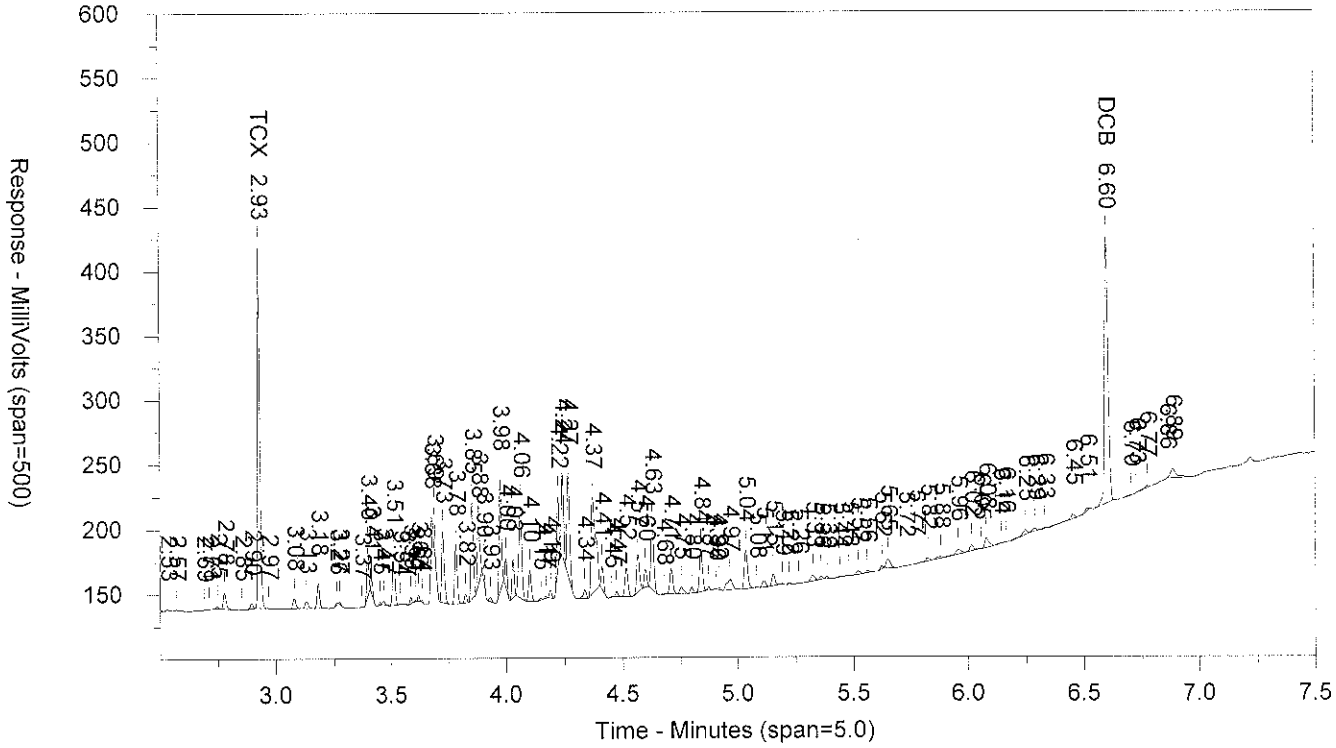

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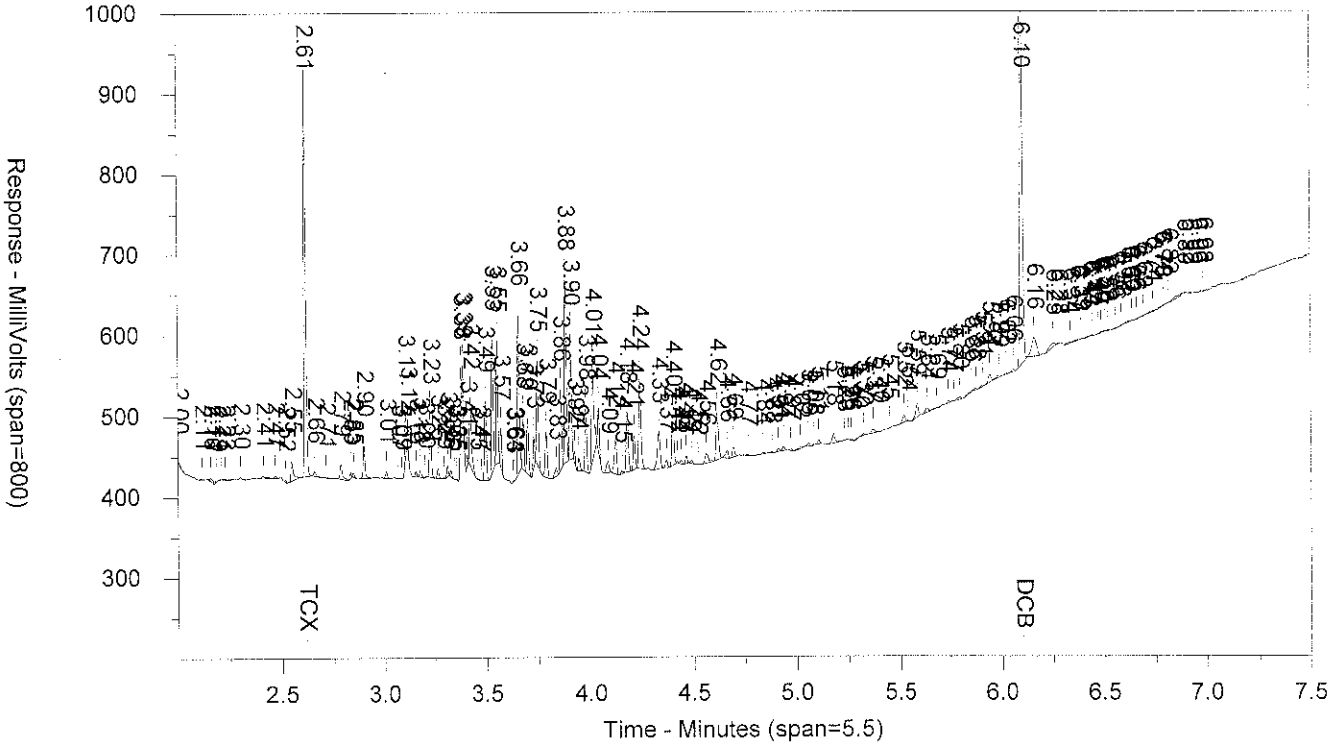

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:44:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		10654	10092
2.088		18685	38707
2.156		684	1141
2.23		2959	2101
2.3		515	398
2.329		46573	32845
2.369		1294	2340
2.457		556	233
2.489		7250	7517
2.532		2679	2320
2.571		2252	2082
2.657		972	903
2.744		2368	3755
2.777		19618	18848
2.856		690	633
2.878		564	257
2.896		4409	3497
2.93	TCX	575477	402322
3.017		1599	1443
3.077		14848	13223
3.129		10225	9972
3.179		35462	26669
3.259		2038	1351
3.272		4832	2555
3.365		368	179
3.394		71985	43067
3.411		21110	11514
3.448		3695	2003
3.464		5182	3363
3.509		76616	57932
3.538		660	446
3.565		1297	678
3.584		8818	5240
3.602		887	260
3.618		10666	5851
3.633		3505	1649
3.676		49771	26862
3.687		52865	25185
3.724		103145	80401
3.78		89558	66241
3.822		12586	8861
3.85		133962	101816
3.877		82033	68544
3.898		17772	9841
3.925		3395	2803
3.972		152550	114103
3.997		41526	26510
4.028		55754	39414
4.061		130035	124173
4.101		44202	35881
4.148		3776	2895
4.169		980	624
4.188		11669	8385
4.22		96828	66643

RT A	Compound A	Height A	Area A
4.239		123410	77137
4.262		142310	113357
4.333		11888	11939
4.367		137144	203613
4.41		32879	23397
4.451		1656	1215
4.472		7068	5690
4.513		41247	37530
4.563		56487	49299
4.595		28243	21101
4.624		97076	84914
4.674		1901	1529
4.707		35983	33524
4.75		8538	10582
4.797		8379	7941
4.836		62487	57838
4.869		5360	4055
4.916		4661	6275
4.95		1909	1981
4.962		5332	4799
5		849	460
5.032		57749	60010
5.078		1079	744
5.112		10101	10211
5.152		14918	13712
5.175		751	311
5.193		1424	830
5.219		2632	2299
5.264		1580	1545
5.323		5079	6233
5.356		4961	3705
5.382		2166	1732
5.438		1859	1800
5.473		1283	1722
5.517		5338	5593
5.557		2703	2285
5.584		727	505
5.616		3813	2783
5.642		10897	12527
5.691		583	287
5.738		344	890
5.767		448	557
5.82		4774	5052
5.876		1900	3184
5.955		4427	6725
6.011		9007	9555
6.074		13984	17305
6.123		608	181
6.159		490	564
6.192		709	297
6.245		4561	5984
6.283		2410	3390
6.366		667	289
6.379		544	257
6.412		511	300
6.45		6398	7234
6.519		2455	4656
6.596	DCB	395773	430303
6.664		659	476
6.773		1512	3459
6.794		733	358
6.879		6199	9477
6.944		771	502
6.978		769	534

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:44:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		360	426
2.115		14931	35113
2.156		9325	8653
2.205		3866	8888
2.235		4279	3211
2.272		2707	2224
2.3		5187	3185
2.363		1789	2119
2.413		3572	4926
2.467		2950	2155
2.494		5508	9542
2.547		42637	42101
2.614	TCX	1012125	614426
2.658		10048	7967
2.704		4813	4530
2.785		34258	25300
2.832		13773	6953
2.846		9451	4631
2.898		71485	47318
2.949		3333	3082
3.008		14477	10631
3.077		678	221
3.104		112654	57239
3.115		21376	7811
3.155		12531	6936
3.177		16058	9824
3.203		4405	2251
3.226		146717	97572
3.263		22887	13511
3.29		2714	1226
3.309		26712	14288
3.324		11706	5730
3.35		2469	1409
3.374		110904	53704
3.384		111899	46853
3.404		27992	11229
3.418		148383	104221
3.468		696	122
3.492		179276	115398
3.527		299730	185508
3.55		284426	155834
3.568		87669	45297
3.63		1054	779
3.636		379	80
3.653		361311	233746
3.676		121803	64476
3.697		130379	77317
3.726		69008	34490
3.742		244169	145461
3.784		104947	72945
3.831		19672	17478
3.853		183758	115908
3.875		436849	279115
3.9		290957	181702

RT B	Compound B	Height B	Area B
3.919		27704	12423
3.939		29170	16653
3.973		137768	95638
4.008		213673	178450
4.036		98207	53615
4.082		20974	18202
4.117		87173	64605
4.15		4414	2965
4.174		137033	100601
4.207		75893	53425
4.234		201207	153668
4.272		4223	3861
4.327		90723	82572
4.363		18678	13701
4.396		119686	87522
4.417		3272	1473
4.436		10114	6887
4.461		16381	10442
4.486		8708	6565
4.561		22043	24085
4.613		112982	89890
4.662		18534	17541
4.691		24619	21249
4.723		2166	976
4.736		2596	1175
4.76		3741	2573
4.821		838	339
4.845		913	761
4.86		897	499
4.878		1450	931
4.911		5462	4370
4.934		10329	7832
5.015		2611	2836
5.055		9013	7484
5.082		3292	2165
5.103		10074	8736
5.175		21755	19087
5.238		671	1191
5.317		6859	11929
5.364		9312	9833
5.419		1499	1673
5.472		1495	2027
5.516		20118	18104
5.584		32776	31812
5.634		10297	8606
5.687		1114	2188
5.723		645	1170
5.742		5011	5100
5.79		3776	4272
5.838		3008	3088
5.87		1375	1757
5.902		1080	514
5.939		20011	17023
5.981		3066	3102
6.017		1929	2075
6.05		3738	3367
6.097	DCB	1223826	1034624
6.157		3319	3639
6.201		781	473
6.255		4287	9703
6.277		1242	425
6.287		1704	1585
6.322		1872	1422
6.387		1760	3441
6.429		962	367
6.449		1819	862

RT B	Compound B	Height B	Area B
6.476		1332	1043
6.484		1635	552
6.51		2244	2021
6.564		1223	2701
6.615		1589	3464
6.626		1983	810
6.671		1260	1311
6.727		842	1776
6.9		2150	18409
6.916		1228	870
6.951		2119	2430
6.97		2464	2292

AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082

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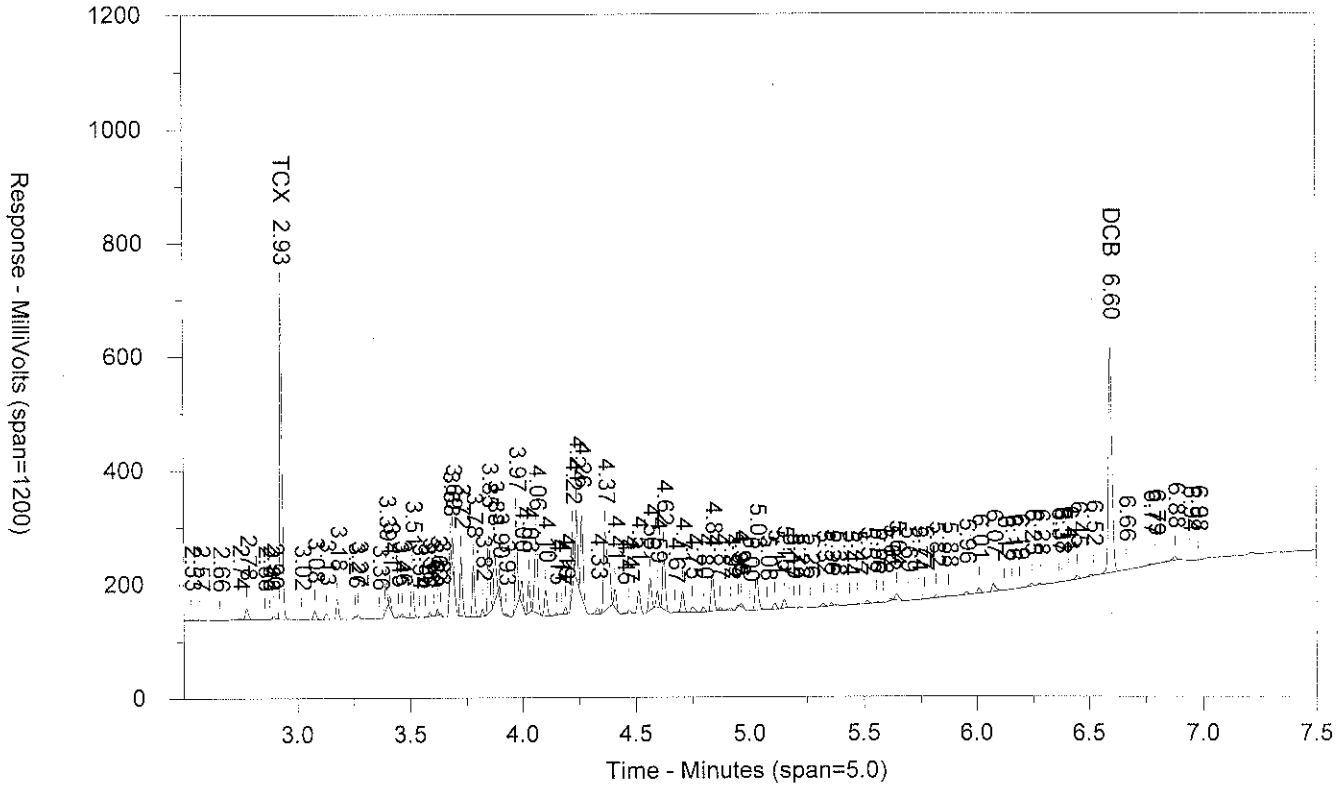

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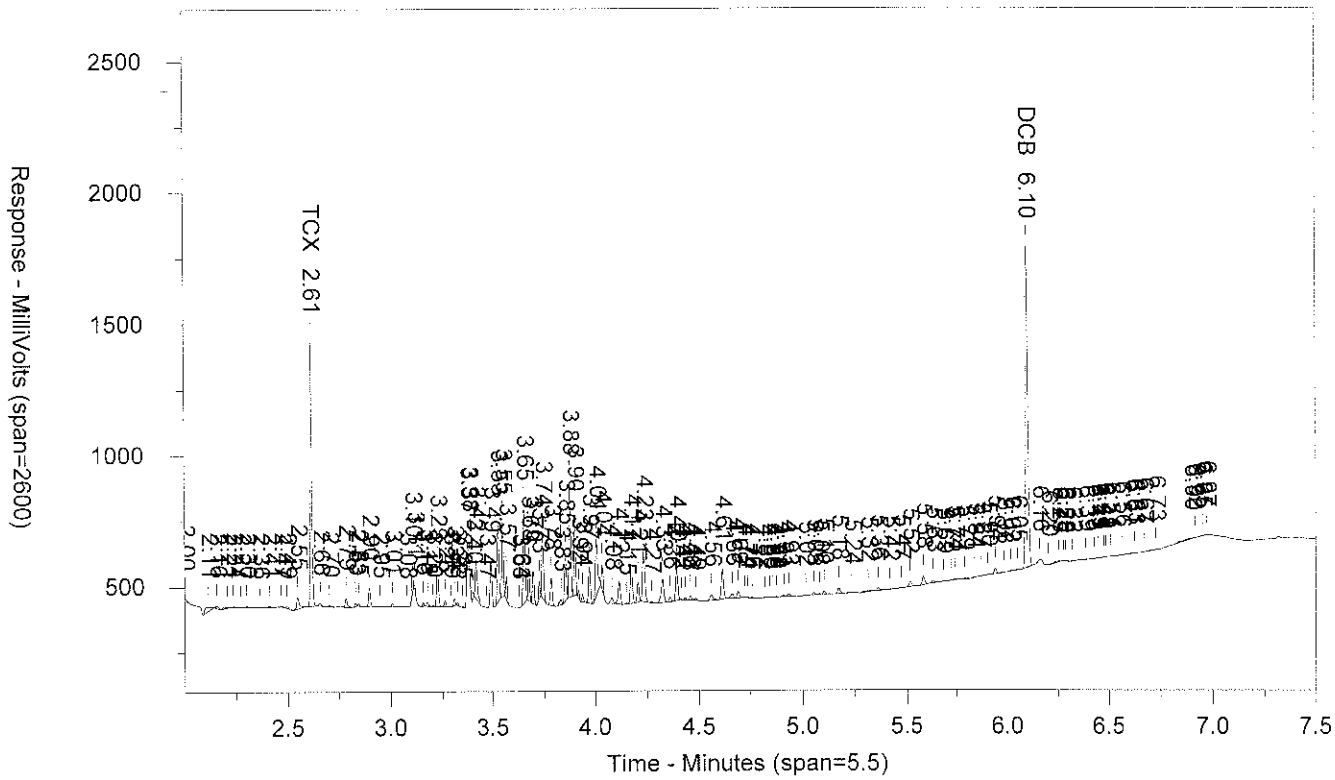

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:44:26 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	575477	3.814	TCX	2.614	1012125	3.715	TCX
6.596	395773	4.106	DCB	6.097	1223826	4.043	DCB

Files:
Area File: 25PCBS17284001.014.RAW
Area File: 25PCBS17284001B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:15 PM
File Reported On: 10/12/2017 at 3:33:28 PM

AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082

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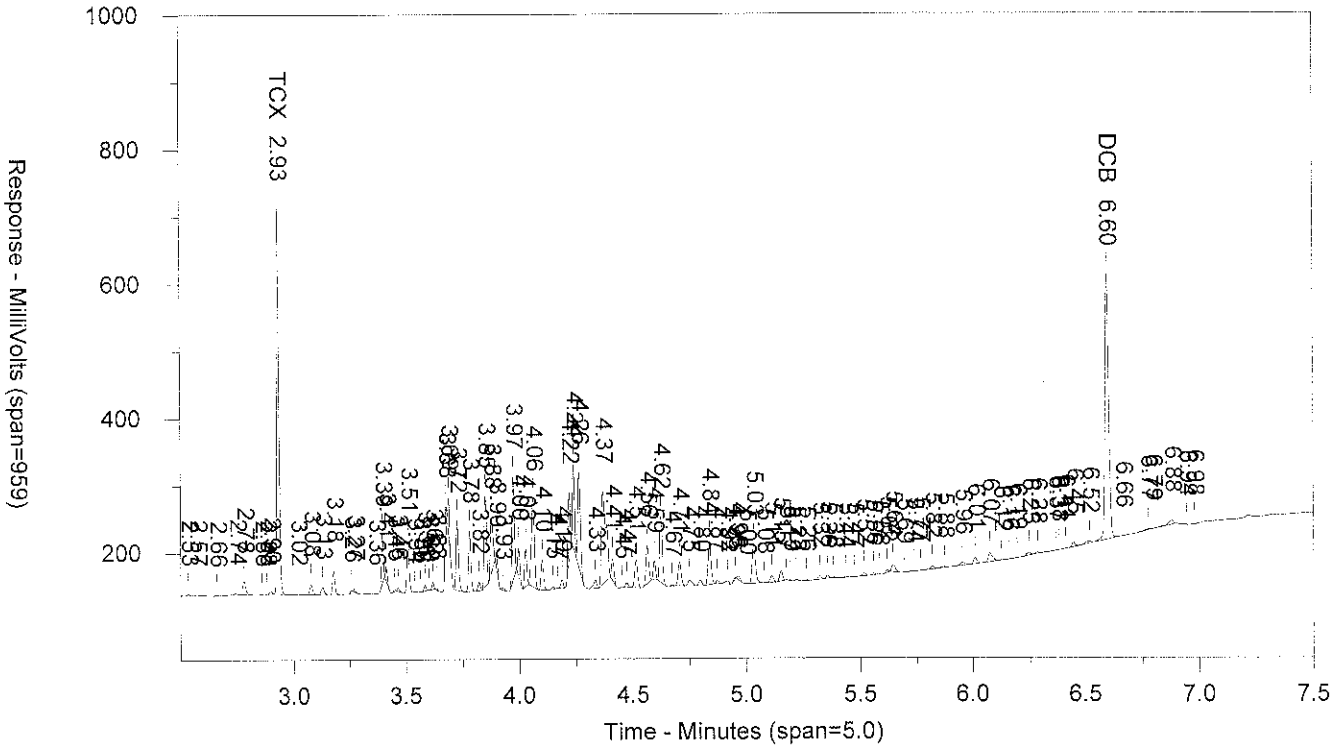

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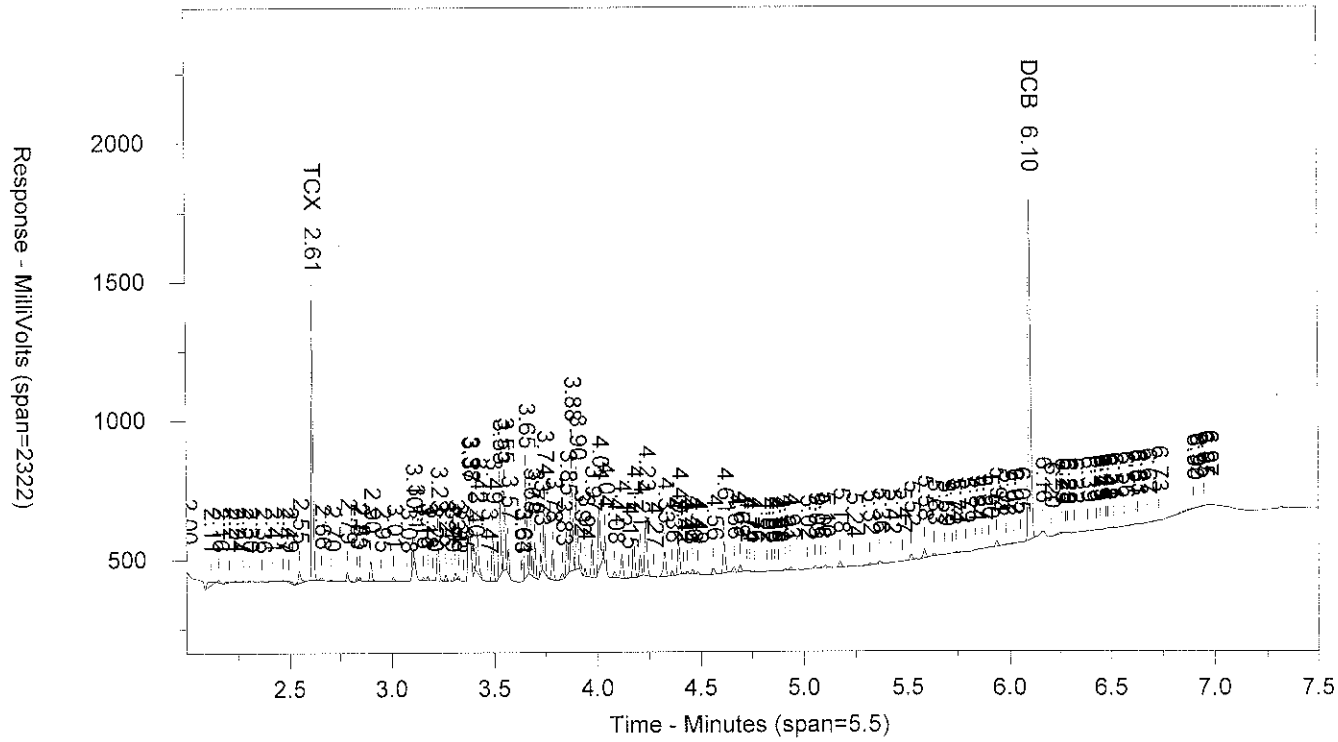

AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082

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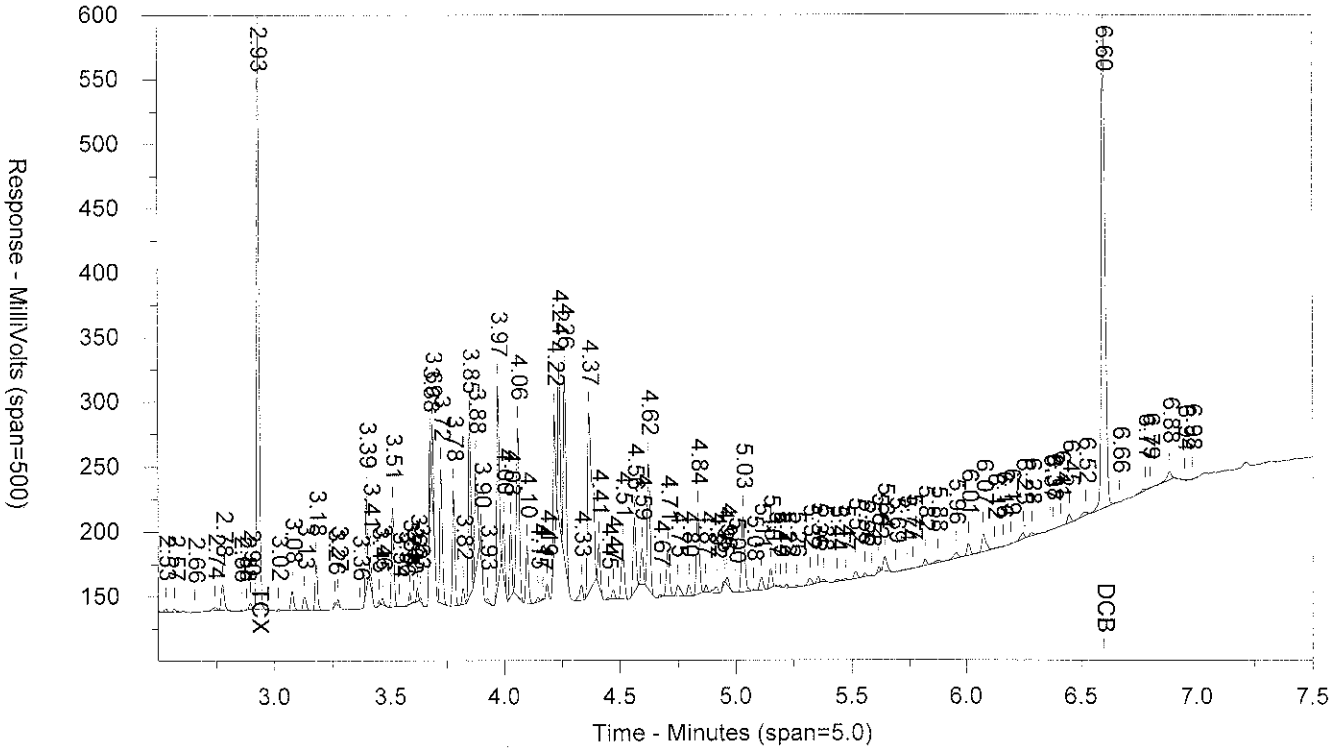

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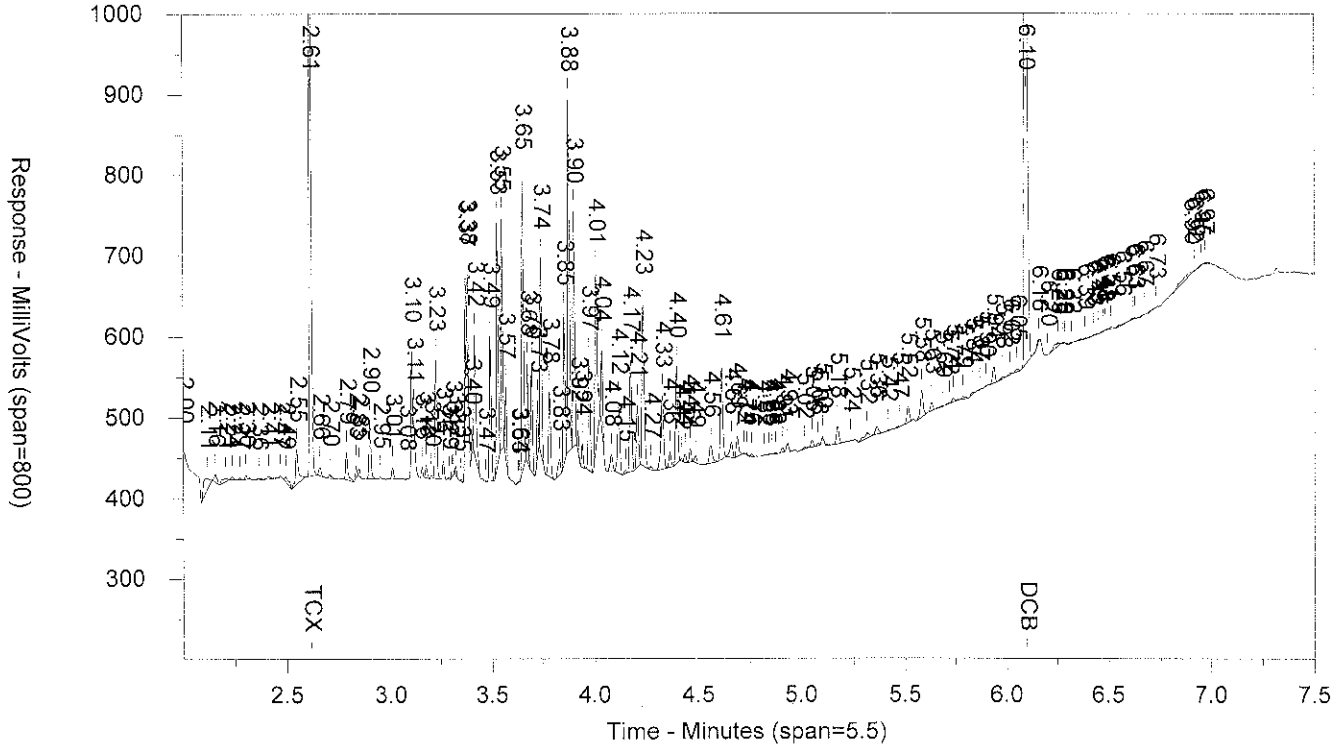

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:55:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		12057	11676
2.089		13516	28880
2.23		14588	12364
2.3		671	490
2.33		11754	13877
2.432		1290	914
2.49		7855	7899
2.53		1444	1146
2.568		5176	4192
2.657		482	513
2.708		342	119
2.746		2420	2677
2.777		16268	15059
2.847		847	823
2.896		5406	4474
2.93	TCX	2868219	1982392
3.029		990	994
3.078		28969	26015
3.126		39280	32962
3.179		74331	54257
3.257		5770	3224
3.273		11148	6647
3.315		598	890
3.395		136797	85618
3.412		43217	23411
3.449		8267	4347
3.464		10852	7102
3.509		151027	117990
3.566		5249	2926
3.585		19443	12113
3.603		1337	395
3.619		23182	12666
3.634		7373	3359
3.677		95446	52333
3.688		95001	48132
3.725		199782	162326
3.781		172560	134957
3.822		26828	19113
3.851		257411	196169
3.878		153874	130990
3.899		35439	18107
3.926		4077	2922
3.973		303913	220312
3.997		85373	54732
4.029		106788	78772
4.061		247885	247619
4.101		93413	74592
4.148		8322	6802
4.167		745	243
4.187		25202	17888
4.22		183227	126928
4.239		239898	148514
4.262		268459	212270
4.333		24361	24207

RT A	Compound A	Height A	Area A
4.367		193099	168125
4.386		41543	22857
4.409		64355	46817
4.451		3149	1929
4.472		15462	12218
4.514		84493	80807
4.564		120547	103788
4.595		61825	45584
4.624		198139	170679
4.675		3068	2239
4.707		75895	69762
4.75		17348	20733
4.795		18208	16659
4.837		125560	118374
4.87		29233	23427
4.915		9792	10962
4.95		2706	3370
4.962		10246	7817
4.998		3389	2307
5.032		121869	125817
5.079		2124	1402
5.111		44498	44088
5.151		32892	32142
5.191		3095	1997
5.22		5006	4474
5.262		3141	2886
5.323		5598	7386
5.357		10877	8556
5.381		4951	3654
5.44		2882	2683
5.475		4608	6116
5.517		24339	24762
5.556		5173	5102
5.616		6618	4736
5.64		49901	48787
5.734		262	680
5.788		444	173
5.819		10095	10213
5.874		4324	7316
5.912		451	182
5.953		5358	7416
6.012		42805	45176
6.075		65498	80527
6.131		688	315
6.166		565	584
6.245		8257	10126
6.287		2568	3259
6.329		381	491
6.389		689	1421
6.449		30824	33426
6.512		4123	6678
6.596	DCB	1810412	1859532
6.694		758	689
6.729		643	322
6.769		2346	3759
6.881		6217	11659
6.957		604	252
6.989		235	450

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:55:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		2213	1544
2.055		11086	7268
2.144		4836	10164
2.187		3375	2370
2.242		2190	2350
2.274		1306	1276
2.302		10863	8126
2.409		3317	4419
2.466		2692	2222
2.515		3899	1483
2.547		34567	33811
2.614	TCX	5109810	3013397
2.657		19201	14743
2.786		68147	49269
2.832		71994	63229
2.898		141915	92250
2.947		11180	6452
3.009		31261	20193
3.069		514	83
3.075		1169	199
3.088		495	162
3.105		211566	110704
3.116		43716	14016
3.156		25306	13892
3.177		31255	18651
3.203		6549	3507
3.226		287646	190277
3.263		46731	27762
3.291		14369	7033
3.309		54756	29236
3.325		22061	10393
3.351		1359	922
3.375		223763	101367
3.384		214174	90172
3.404		52684	20727
3.418		298292	201929
3.466		983	272
3.492		359497	226627
3.527		576214	354058
3.55		536790	298136
3.568		159675	83971
3.632		1989	1849
3.654		689806	453732
3.677		230476	123166
3.697		251619	150230
3.726		133307	68965
3.743		473288	285150
3.784		211348	145992
3.831		42310	36321
3.853		367604	229676
3.876		855692	553905
3.9		601323	369218
3.919		52523	24517
3.939		55640	31659

RT B	Compound B	Height B	Area B
3.974		279433	192539
4.008		430749	353482
4.036		204645	113018
4.083		40165	31201
4.118		166959	131512
4.151		15521	9428
4.174		265258	201221
4.207		158716	108594
4.235		400733	303040
4.272		8414	7151
4.327		178194	164408
4.363		41762	29493
4.395		229903	175480
4.418		4236	1582
4.436		53166	36507
4.462		32600	19976
4.487		18929	13523
4.561		49860	48062
4.613		233222	190666
4.662		86217	71402
4.691		54200	43741
4.721		4533	2111
4.738		6399	3314
4.76		5287	3810
4.836		2154	2991
4.859		1999	1064
4.879		2012	1372
4.911		14193	10129
4.934		22749	17721
4.977		6975	7811
5.019		3635	2520
5.054		41880	33691
5.083		6289	3779
5.105		19340	15781
5.176		93968	80916
5.256		4110	7265
5.293		2908	2024
5.32		10282	8643
5.365		22751	24277
5.428		712	1162
5.442		743	320
5.463		1807	1416
5.517		94649	87990
5.585		141361	120891
5.633		34917	30137
5.685		1536	2220
5.741		11145	9262
5.803		2966	5398
5.856		1032	4367
5.873		1866	1735
5.939		82846	68580
5.988		2463	4289
6.022		2314	1753
6.059		2537	3275
6.097	DCB	5506405	4740212
6.159		19514	29151
6.259		3731	10319
6.29		2155	1594
6.366		1879	4489
6.384		1366	515
6.428		2089	1017
6.438		1632	637
6.505		1380	629
6.519		1693	961
6.551		4257	4318
6.623		939	5667

RT B	Compound B	Height B	Area B
6.701		1722	6474

AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082

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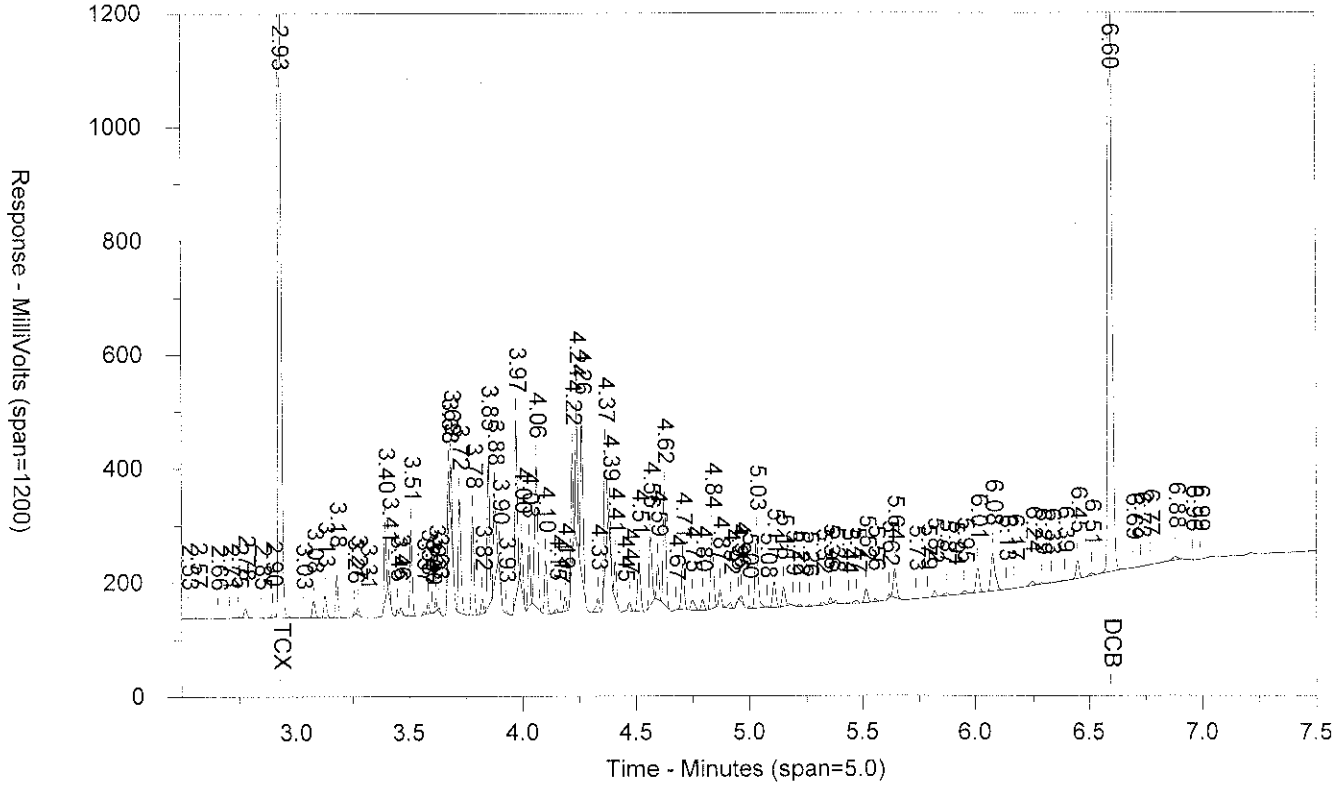

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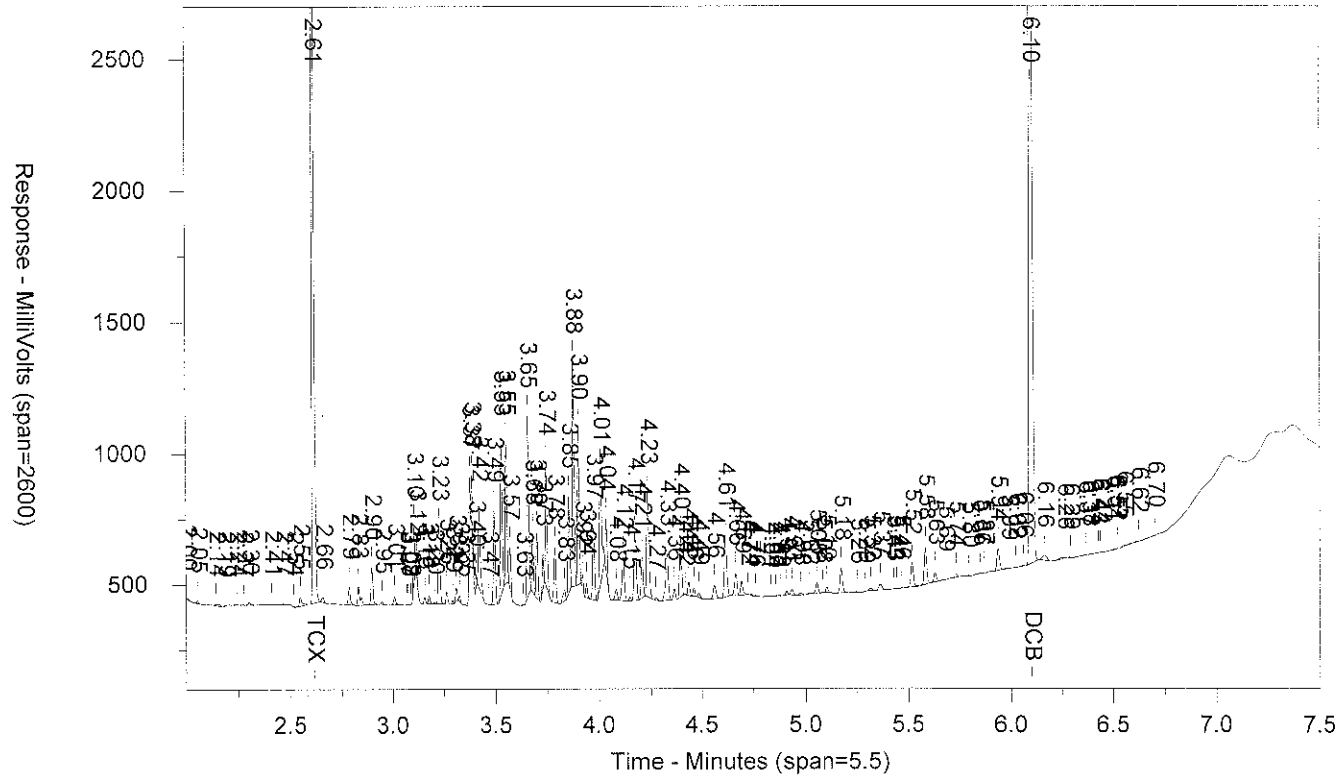

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:55:46 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2868219	19.011	TCX	2.614	5109810	18.756	TCX
6.596	1810412	18.782	DCB	6.097	5506405	18.189	DCB

Files:
Area File: 25PCBS17284001.015.RAW
Area File: 25PCBS17284001B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:16 PM
File Reported On: 10/12/2017 at 3:33:42 PM

AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082

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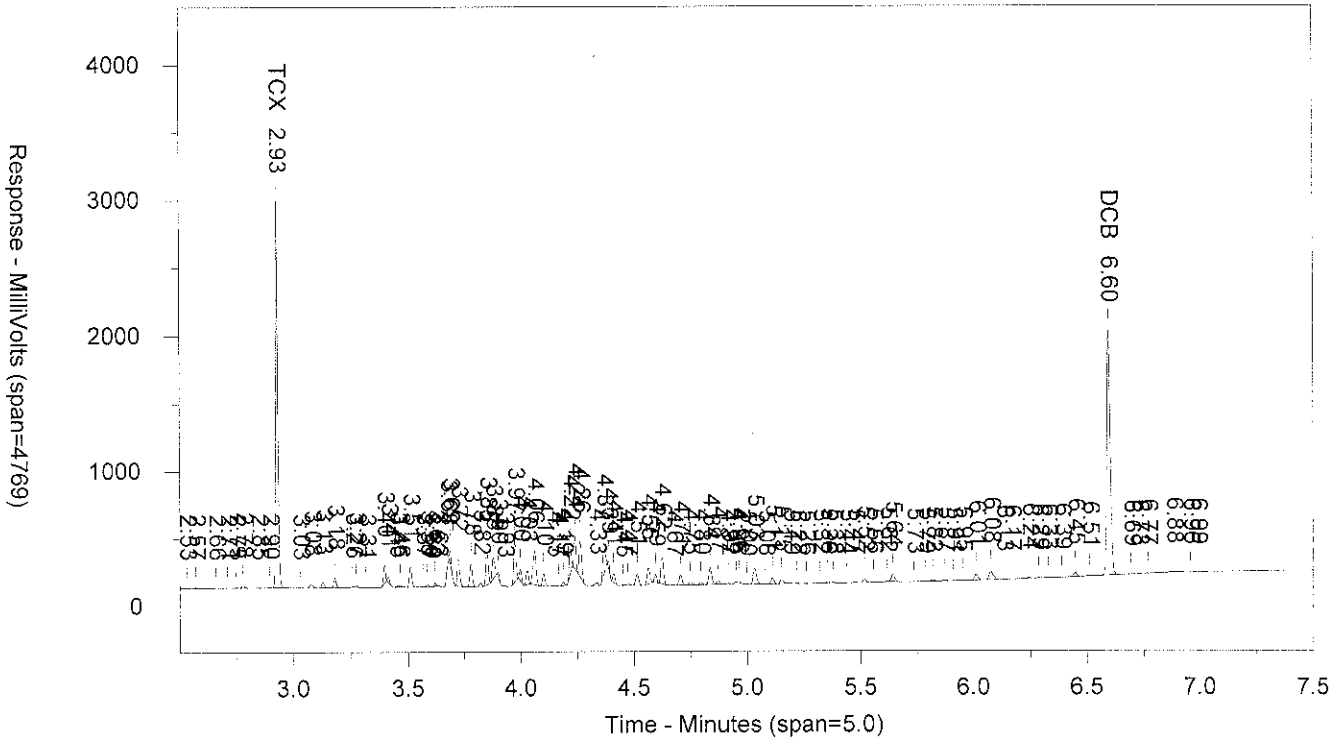

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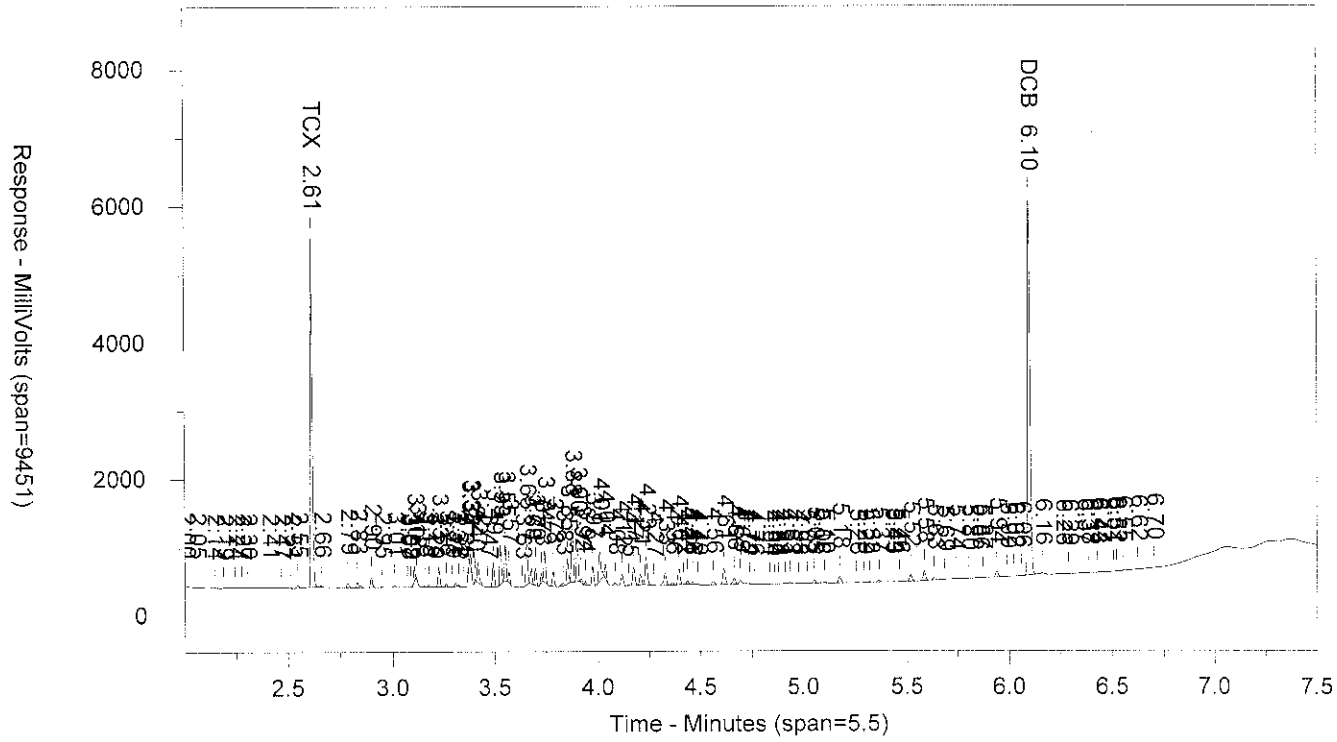

AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082

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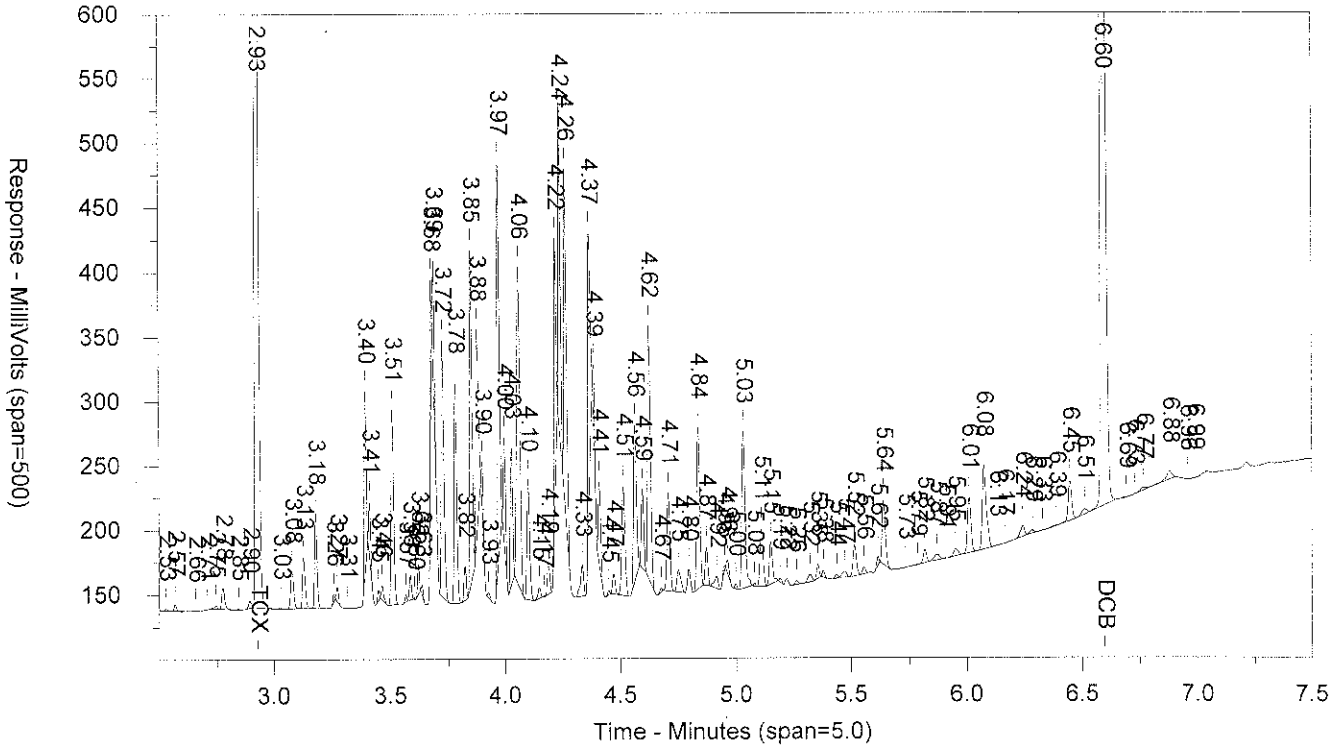

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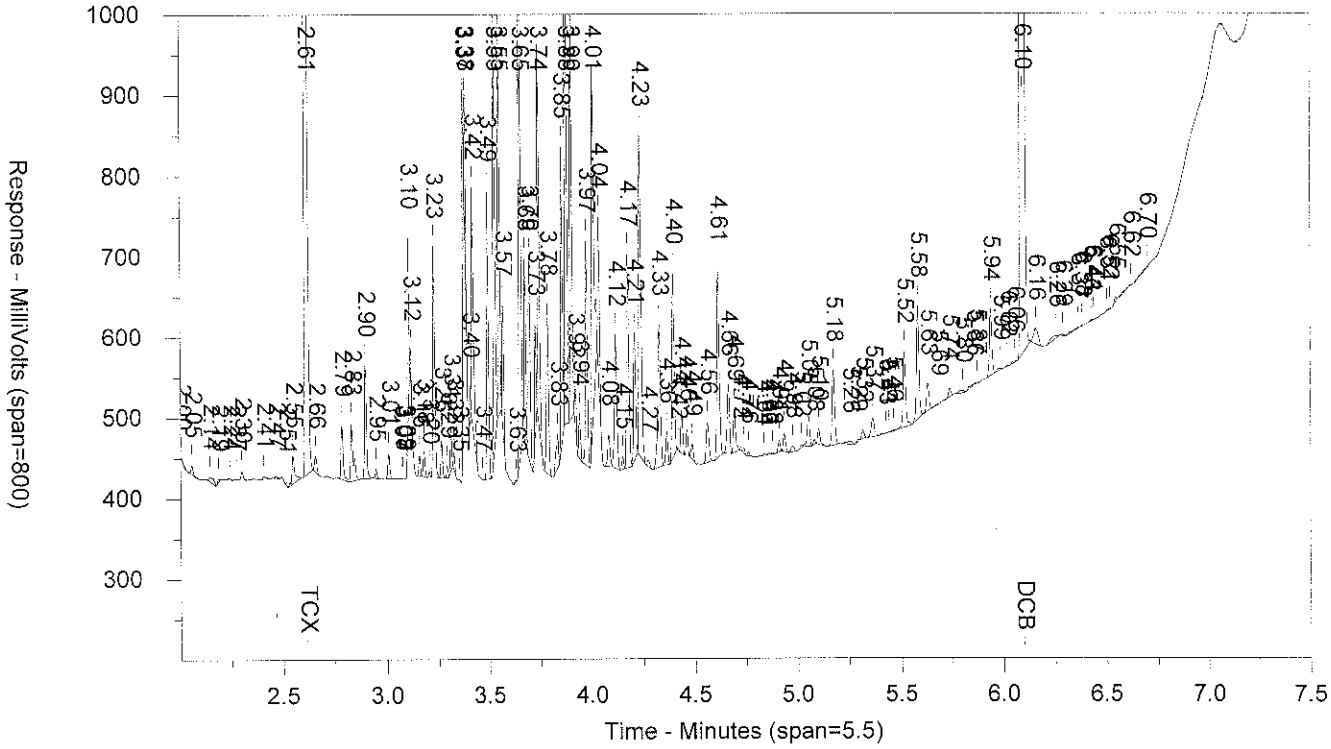

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:07:04 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.015		303	150
2.036		11912	11652
2.089		11728	25428
2.169		1037	1000
2.231		28101	23702
2.299		734	521
2.337		14746	19042
2.432		2729	2281
2.49		8116	7839
2.529		1644	1542
2.569		9360	7313
2.658		497	631
2.745		2524	4051
2.777		13369	12301
2.842		970	951
2.896		5500	4217
2.93	TCX	5941278	4098303
3.028		1410	911
3.045		584	366
3.078		53885	48278
3.127		76003	65855
3.18		139488	103569
3.258		9700	5123
3.274		21992	13520
3.316		754	407
3.396		245720	152886
3.413		80191	43827
3.45		14887	8028
3.465		19938	13592
3.51		284807	219590
3.546		620	329
3.567		11047	6459
3.586		37251	24021
3.621		43421	24754
3.635		14069	6625
3.678		188118	98876
3.689		183250	94098
3.727		379869	303620
3.783		333119	253942
3.824		51751	36432
3.852		488241	364671
3.879		292370	238552
3.901		71722	38012
3.927		4739	2939
3.975		577155	412857
3.999		154287	98079
4.031		201091	145373
4.063		482847	467534
4.103		170151	141284
4.15		17993	14489
4.189		46235	35132
4.222		338869	236851
4.241		463476	288045
4.264		536673	399560

RT A	Compound A	Height A	Area A
4.335		48572	46316
4.369		513122	764441
4.412		125068	88612
4.452		6025	3824
4.474		30305	23339
4.515		163205	153573
4.565		222183	195173
4.597		113474	87569
4.625		366431	322256
4.676		6409	4452
4.708		142372	134223
4.751		33999	39895
4.797		35736	32818
4.838		232082	222555
4.872		60097	49301
4.916		20203	22557
4.95		12384	7950
4.963		15335	10911
5		6237	4933
5.034		229397	239736
5.082		4541	2815
5.113		91831	89032
5.153		61686	56054
5.176		1954	809
5.193		5595	3606
5.221		9547	8005
5.264		4924	5136
5.324		5215	5766
5.358		20213	17136
5.383		10108	7464
5.438		5577	4731
5.475		9450	12371
5.517		51850	50948
5.558		10543	9494
5.583		1684	1111
5.618		13172	9774
5.642		95193	90762
5.726		323	354
5.77		425	98
5.822		21201	20457
5.877		9052	14648
5.955		5101	7689
6.014		89392	90227
6.077		127508	159582
6.144		621	664
6.204		941	995
6.245		12778	15096
6.285		2669	3011
6.315		544	186
6.337		506	267
6.385		801	1509
6.45		65079	69709
6.513		4068	6401
6.599	DCB	3512100	3652916
6.664		713	281
6.702		650	150
6.745		786	1104
6.766		2637	3853
6.822		740	665
6.882		8152	20781
6.973		404	659

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:07:04 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		1135	1491
2.055		23816	18486
2.145		7995	12421
2.188		6885	10524
2.272		1043	825
2.302		18738	13713
2.408		3054	4037
2.468		2989	2401
2.516		3850	1723
2.533		2710	1049
2.547		25654	17334
2.614	TCX	10532550	6225466
2.658		35909	27155
2.786		125154	87676
2.832		136910	114198
2.898		262005	164064
2.948		23235	13356
3.009		57723	36732
3.06		803	305
3.067		1317	289
3.087		920	213
3.105		399820	202170
3.116		73495	24395
3.156		47333	26811
3.178		56464	33703
3.203		13074	6955
3.227		516638	348755
3.264		87306	51222
3.291		27166	14205
3.31		101724	54602
3.325		40610	18128
3.375		420769	191078
3.384		409261	168269
3.405		91377	38503
3.419		553796	382062
3.493		660402	423312
3.528		1052598	657641
3.551		1016873	558211
3.569		311621	158966
3.628		1409	752
3.655		1347433	854152
3.678		423719	228714
3.699		458508	275882
3.728		261226	130476
3.745		906709	544564
3.785		388521	270330
3.833		84845	69894
3.854		680464	433379
3.877		1630267	1061403
3.902		1163566	720884
3.921		99658	45410
3.94		98826	56296
3.975		514844	364328
4.009		886528	688647

RT B	Compound B	Height B	Area B
4.038		442347	226953
4.085		71181	54538
4.119		302676	247580
4.151		31262	17886
4.176		518313	381121
4.208		286013	205466
4.236		778257	574406
4.272		16220	14351
4.329		343969	309875
4.364		79946	57168
4.396		450044	335281
4.418		7581	3153
4.437		103736	71557
4.463		56414	35478
4.488		35735	24815
4.562		95499	93586
4.614		462563	370539
4.663		170181	139919
4.692		104273	87262
4.723		7240	3189
4.74		12531	6410
4.762		9512	6602
4.84		1658	753
4.861		3676	2172
4.877		3920	2685
4.912		27562	20407
4.935		42696	32453
4.977		17835	19697
5.021		7405	4496
5.037		2608	1170
5.055		79449	62115
5.084		12059	7934
5.105		36605	27769
5.177		183295	157840
5.256		3451	6446
5.298		3055	2966
5.32		20073	16317
5.366		44938	44966
5.426		814	965
5.468		560	1769
5.493		1140	913
5.518		194128	165539
5.586		282589	242847
5.635		69517	59236
5.687		1375	1396
5.695		1030	342
5.742		22341	19655
5.775		1155	901
5.798		3583	4249
5.839		3088	3362
5.871		2289	2892
5.906		1882	2550
5.939		180759	148971
5.991		2767	5199
6.02		1613	1566
6.056		4139	3821
6.097	DCB	11053820	9395700
6.158		19054	28573
6.249		6303	10903
6.282		3551	3373
6.328		1765	2013
6.366		960	939
6.39		2051	1374
6.413		1663	897
6.437		2682	2381
6.501		1657	2328

RT B	Compound B	Height B	Area B
6.55		11018	9366
6.582		1401	388
6.617		1198	1482
6.665		1718	1249
6.691		881	1205
6.702		1383	308
6.729		2375	3430
6.783		1562	2117
6.809		1284	996
6.837		1941	328
6.847		1324	540
6.859		1776	351
6.878		2211	1231
6.902		1677	2336
6.922		1216	412
6.952		1694	828
6.989		1932	800

AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082

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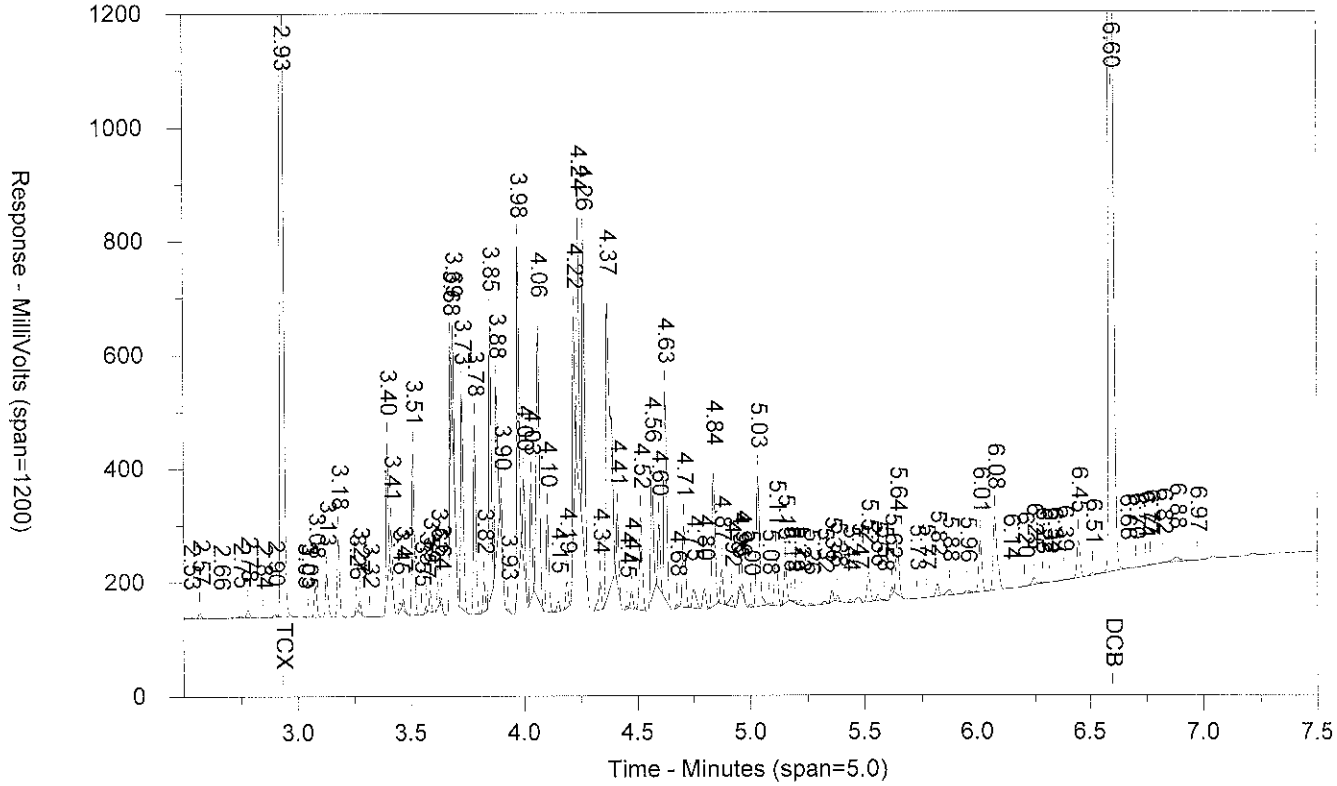

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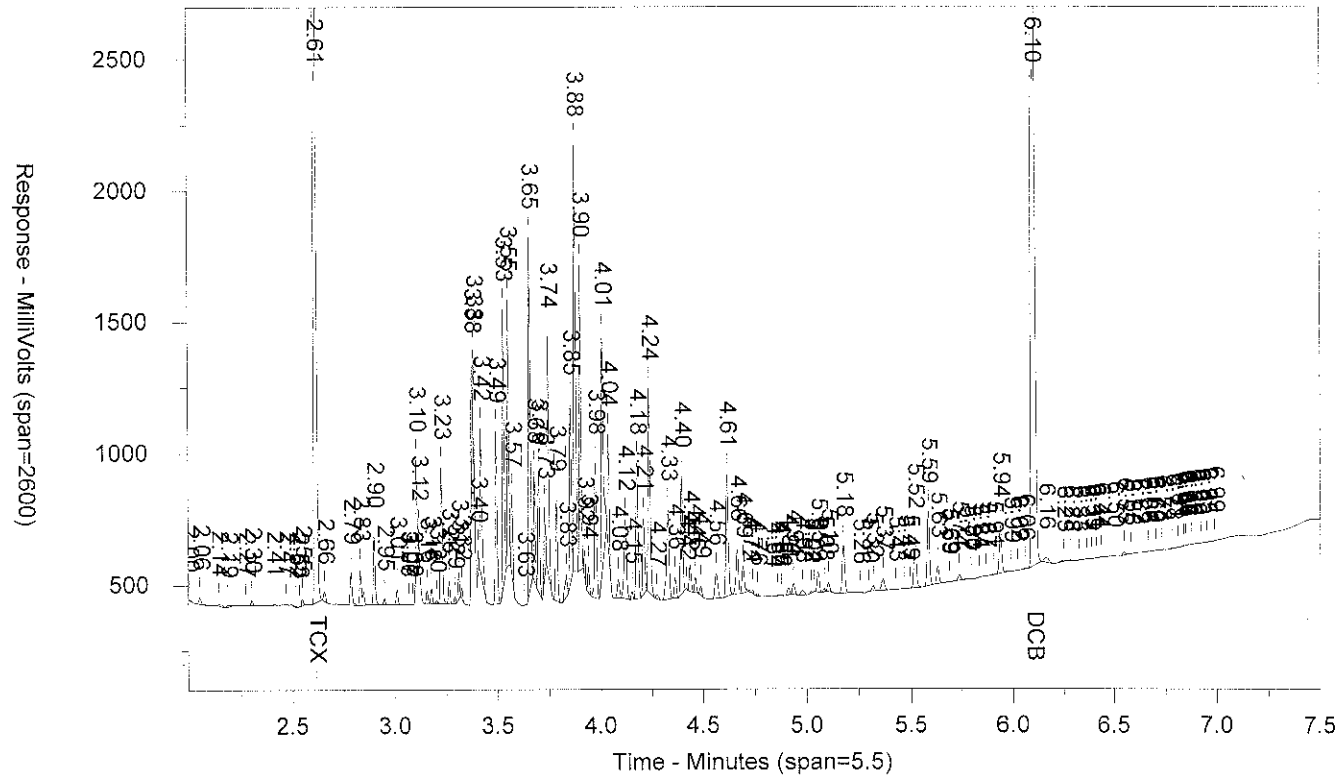

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:07:04 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	5941278	39.38	TCX	2.614	10532550	38.661	TCX
6.599	3512100	36.436	DCB	6.097	11053820	36.513	DCB

Files:
Area File: 25PCBS17284001.016.RAW
Area File: 25PCBS17284001B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:16 PM
File Reported On: 10/12/2017 at 3:33:58 PM

AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082

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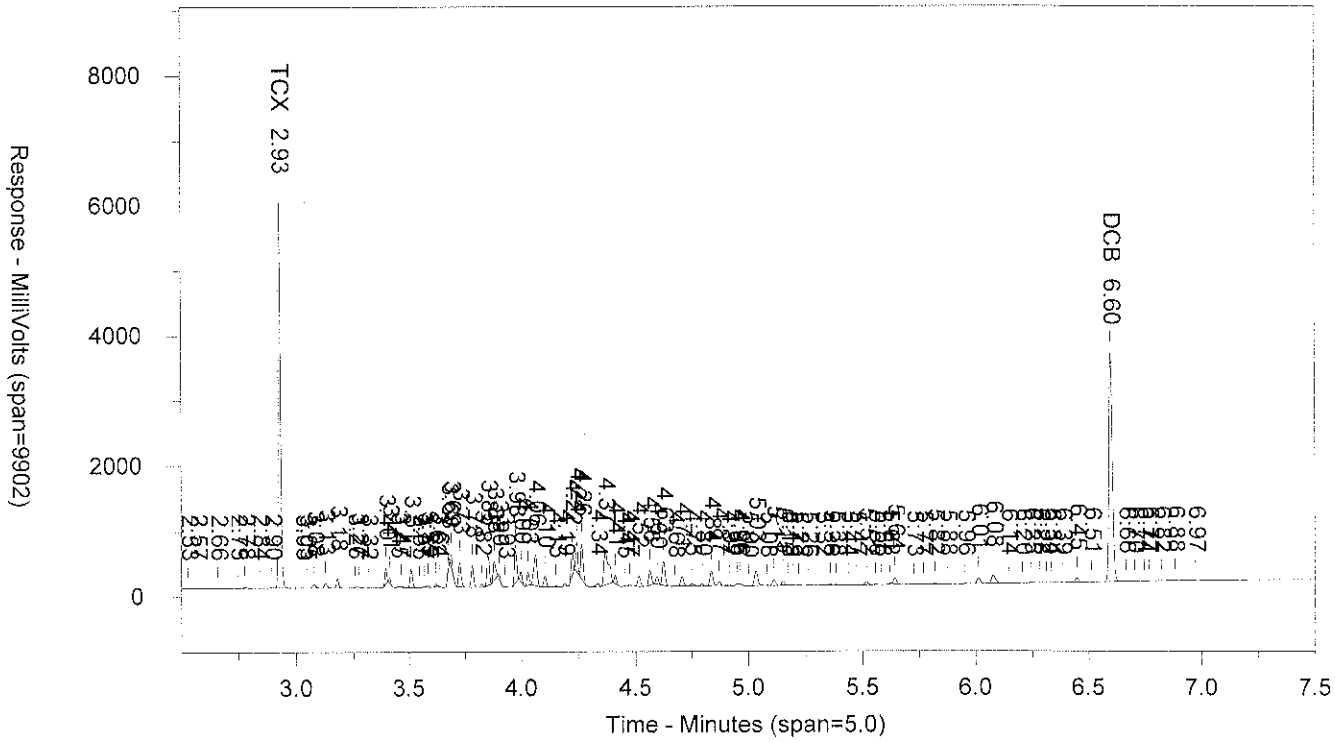

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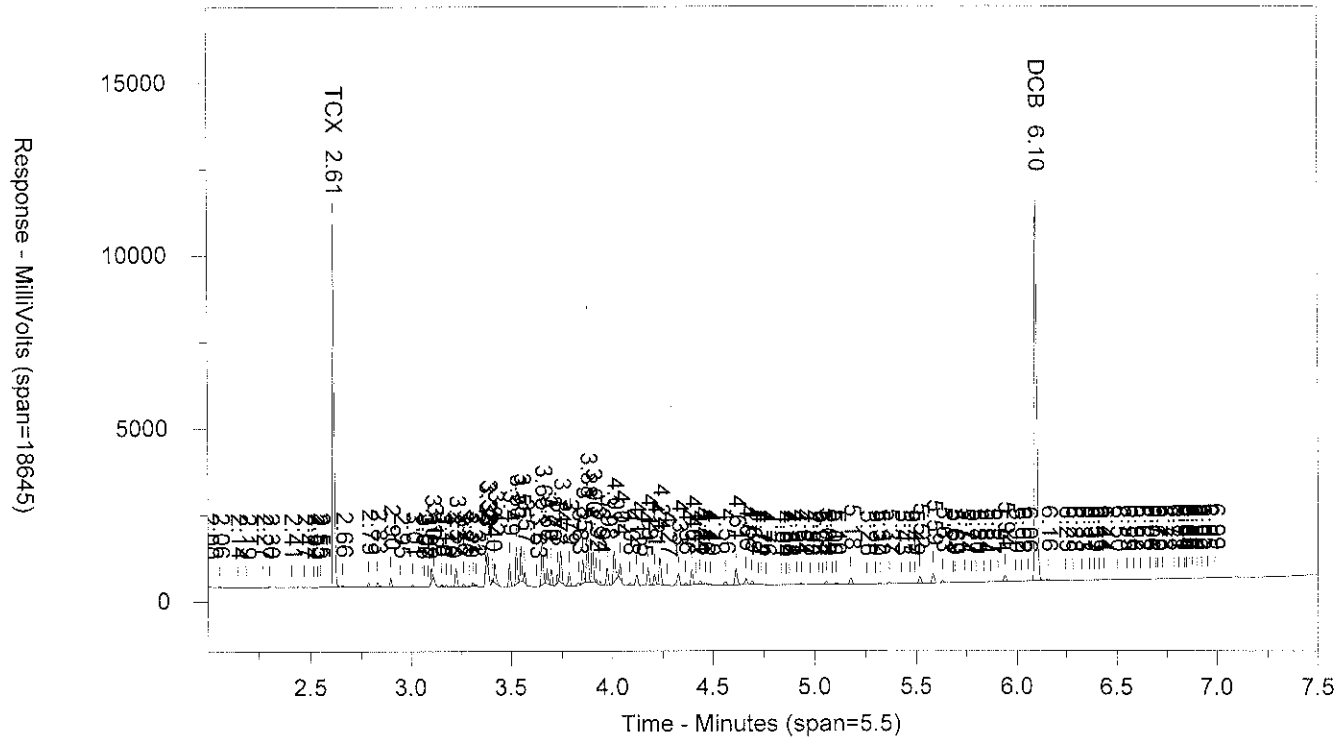

AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082

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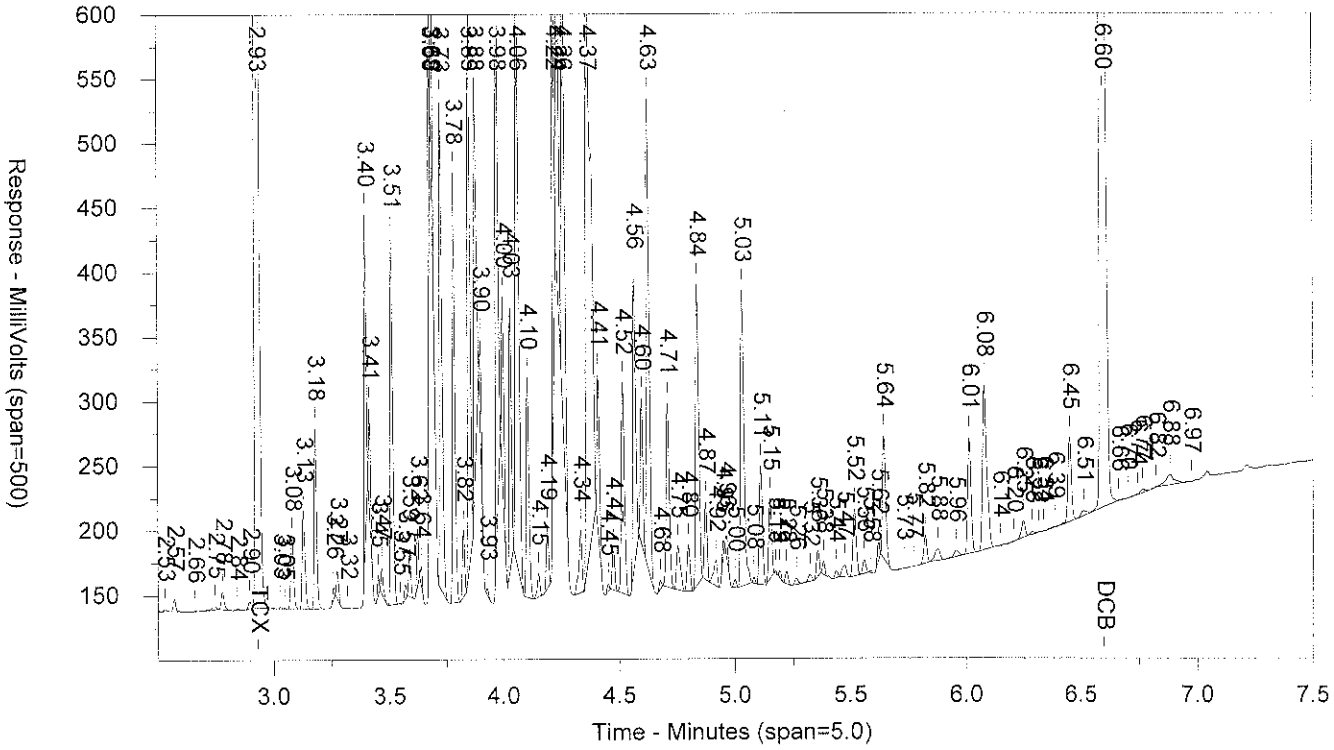

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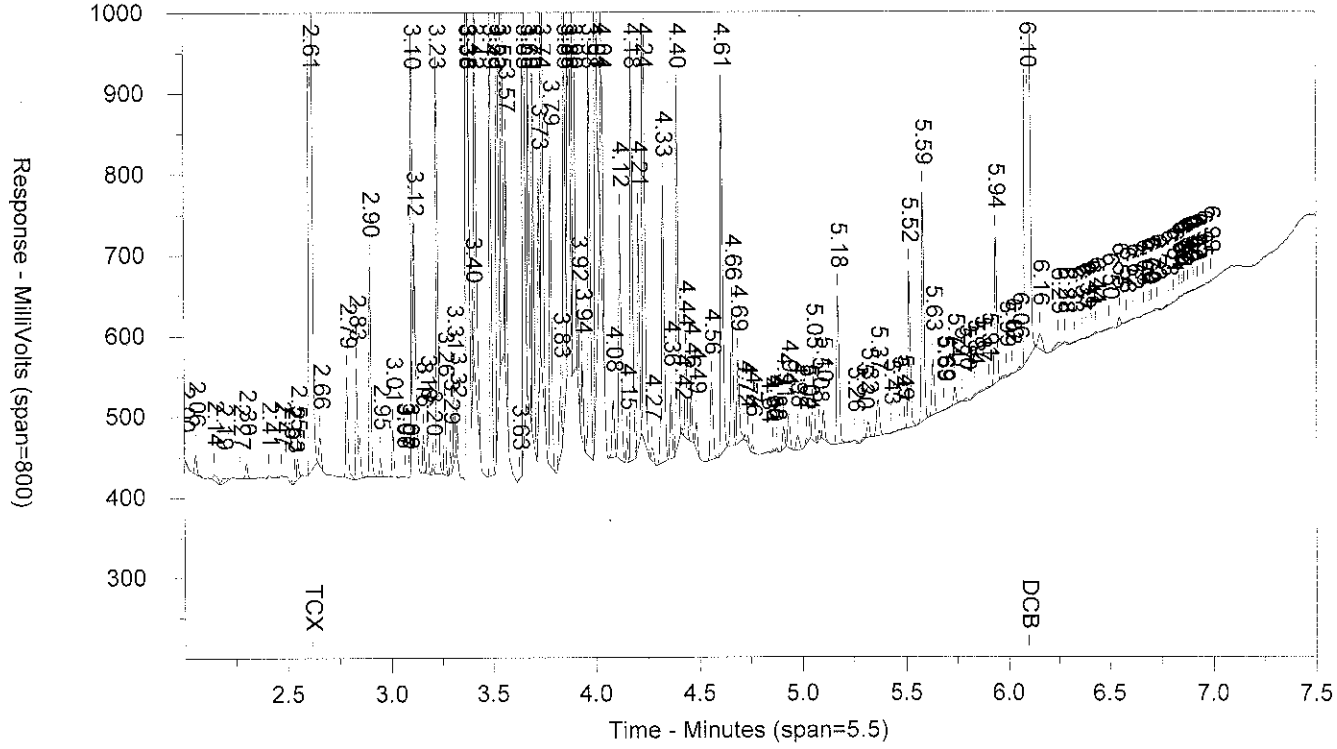

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:18:20 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		11624	10852
2.089		19814	46603
2.23		41531	33346
2.303		616	453
2.338		21063	24673
2.431		4176	3332
2.489		7923	8087
2.531		1655	1533
2.569		21370	16011
2.655		627	596
2.686		414	276
2.712		565	600
2.747		2148	2841
2.777		20931	18889
2.843		2272	2451
2.895		5232	3907
2.93	TCX	9070940	6202152
3.028		2479	1605
3.077		127455	113014
3.127		122649	112411
3.18		308352	232472
3.257		11835	6022
3.273		56317	35400
3.316		1739	1159
3.371		242	167
3.395		558693	354380
3.412		183492	103508
3.449		36663	19594
3.465		44729	29766
3.51		652841	503266
3.546		1374	568
3.566		17753	10229
3.586		90862	61895
3.62		104371	62700
3.635		33433	15648
3.678		370540	212397
3.689		508120	235365
3.726		912185	708227
3.782		764682	598057
3.823		119477	84365
3.852		1152563	844763
3.879		704335	560229
3.9		156953	82059
3.926		4151	2265
3.974		1351586	988277
3.999		348256	225338
4.03		462738	332730
4.062		1163222	1101206
4.102		388971	323218
4.15		45517	41365
4.189		115617	90383
4.222		863063	567280
4.241		1123872	690418
4.264		1267154	945264

RT A	Compound A	Height A	Area A
4.335		111598	111094
4.369		880427	732419
4.387		252225	132991
4.411		265226	190066
4.452		15379	9963
4.473		71850	55210
4.514		362702	342441
4.565		495060	442589
4.595		265381	200418
4.626		840721	756838
4.675		14702	10319
4.708		319995	309136
4.751		80969	98031
4.797		85178	79067
4.837		543460	524778
4.872		82382	68541
4.916		51407	60397
4.949		34885	26218
4.961		26716	18438
5		12495	9108
5.033		544502	569408
5.081		11994	7968
5.112		132898	134119
5.153		149756	133527
5.175		5658	2146
5.193		12295	7883
5.221		23701	20448
5.263		12335	11938
5.295		869	515
5.324		4686	5020
5.358		51888	42682
5.383		23722	17051
5.438		12445	10223
5.475		15762	20392
5.517		73674	74715
5.557		27374	23672
5.582		3541	2267
5.617		39025	29290
5.642		132045	120416
5.729		713	1091
5.761		374	385
5.821		46573	46488
5.877		20790	31401
5.924		705	340
5.956		5495	7693
6.013		127820	130216
6.077		181364	232795
6.15		611	868
6.247		26336	27980
6.29		2348	3334
6.343		394	523
6.387		800	1417
6.42		1115	655
6.45		96344	100650
6.517		3497	5962
6.599	DCB	5338336	5545493
6.701		685	775
6.723		864	371
6.739		544	277
6.777		1272	2281
6.834		820	796
6.882		7809	17484
6.963		414	196

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:18:20 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1561	1649
2.055		34453	25617
2.144		10192	14488
2.188		6932	9265
2.301		39495	27782
2.412		2930	4282
2.468		2699	1818
2.517		4034	3519
2.547		40595	27638
2.572		3230	1795
2.614	TCX	16599170	9478939
2.658		77396	61761
2.714		2262	1802
2.786		266464	188006
2.832		166025	85878
2.846		75030	35102
2.898		554171	358811
2.948		33343	19262
3.008		124917	80189
3.069		695	325
3.104		871586	452776
3.115		173708	64266
3.156		107424	62343
3.177		125007	73712
3.202		33339	17925
3.226		1144692	788989
3.263		187079	114420
3.29		43431	21407
3.309		229555	123320
3.324		92751	42426
3.351		2161	1074
3.375		971144	437507
3.384		1098634	435732
3.404		209185	86304
3.418		1283245	877219
3.492		1585462	986634
3.527		2617194	1553308
3.551		2457600	1334997
3.569		736952	368751
3.63		1205	403
3.655		3233997	2045076
3.678		995123	533038
3.698		1060464	648200
3.727		623585	311619
3.744		2413343	1332930
3.785		880511	625063
3.832		177912	157485
3.854		1724642	1059064
3.876		4114444	2612055
3.901		2991702	1823804
3.921		249879	117083
3.94		217478	124040
3.975		1229284	850141
4.009		2177006	1651040

RT B	Compound B	Height B	Area B
4.037		1027549	572324
4.084		156227	115169
4.119		719969	563033
4.151		40316	22985
4.176		1227687	915339
4.208		701850	483545
4.235		1935020	1396088
4.274		39988	37001
4.329		782648	721046
4.364		174456	133519
4.396		1132686	830727
4.419		23690	9924
4.437		140821	91506
4.463		139528	88186
4.488		86451	62360
4.561		212980	210902
4.614		1137983	911086
4.664		247133	213683
4.692		266492	220240
4.724		20221	9610
4.738		23513	12634
4.762		23628	16387
4.808		972	484
4.821		1479	570
4.84		2619	1614
4.86		7464	4031
4.879		9908	5711
4.911		59062	41649
4.936		93962	73809
4.981		31625	37527
5.021		13264	8448
5.037		2978	1109
5.055		115034	89850
5.084		32293	20619
5.105		83282	69481
5.177		276930	234131
5.217		1055	563
5.234		1515	719
5.296		5456	3818
5.319		46470	38795
5.366		94141	97096
5.425		754	668
5.439		1238	262
5.459		2221	1942
5.517		283353	241492
5.587		400401	351580
5.635		106489	91667
5.689		782	1899
5.716		1066	1043
5.741		53172	43950
5.779		1385	1046
5.871		1877	6912
5.895		2779	1580
5.939		266899	221014
5.97		3264	1891
5.992		1982	1091
6.029		1819	2173
6.059		3982	4664
6.098	DCB	17355720	14351020
6.159		15704	21822
6.2		1423	788
6.255		5131	10543
6.279		1596	385
6.295		1603	317
6.333		979	970
6.344		1025	373

RT B	Compound B	Height B	Area B
6.367		2047	1401
6.387		1588	895
6.403		1176	362
6.421		1300	683
6.438		2620	2019
6.508		2468	4390
6.521		1352	642
6.55		19352	16769
6.603		2010	1193
6.724		1948	1589
6.738		1366	214

AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082

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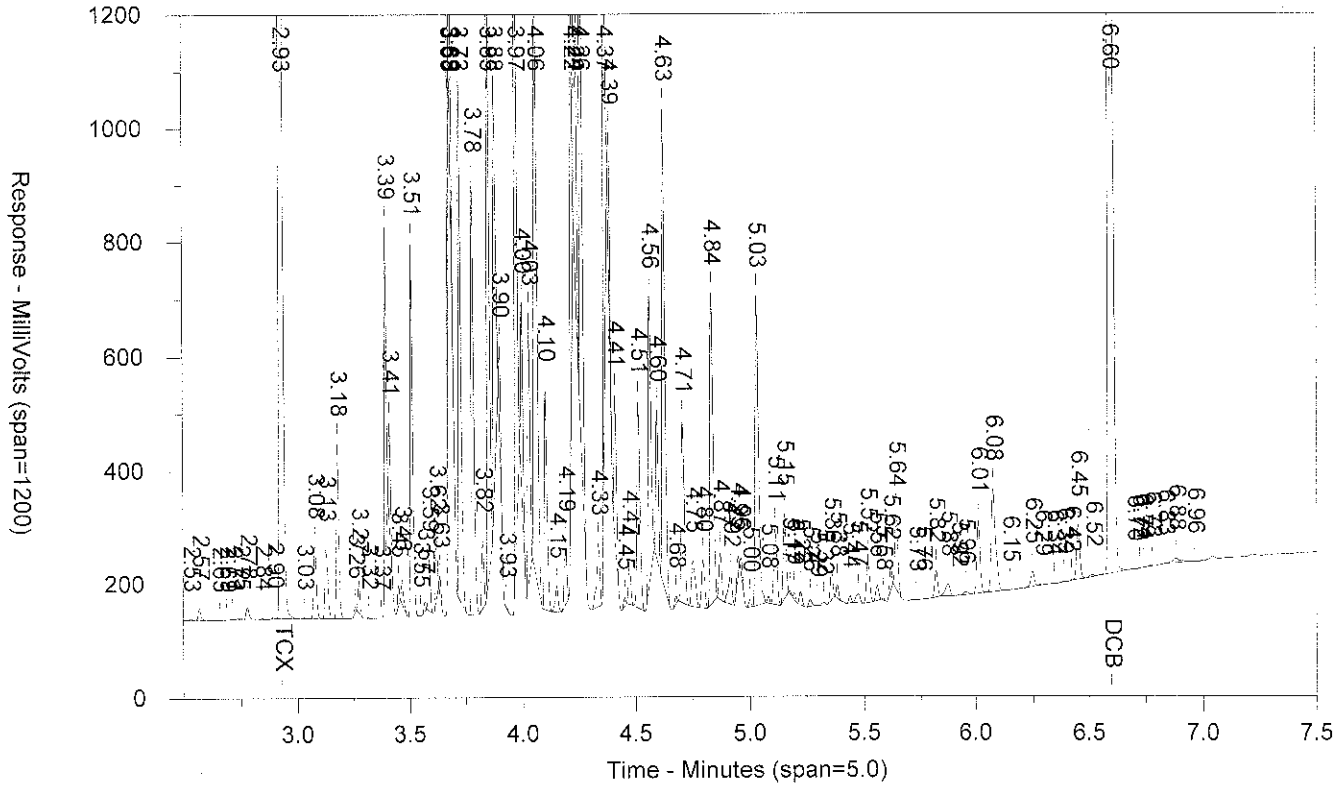

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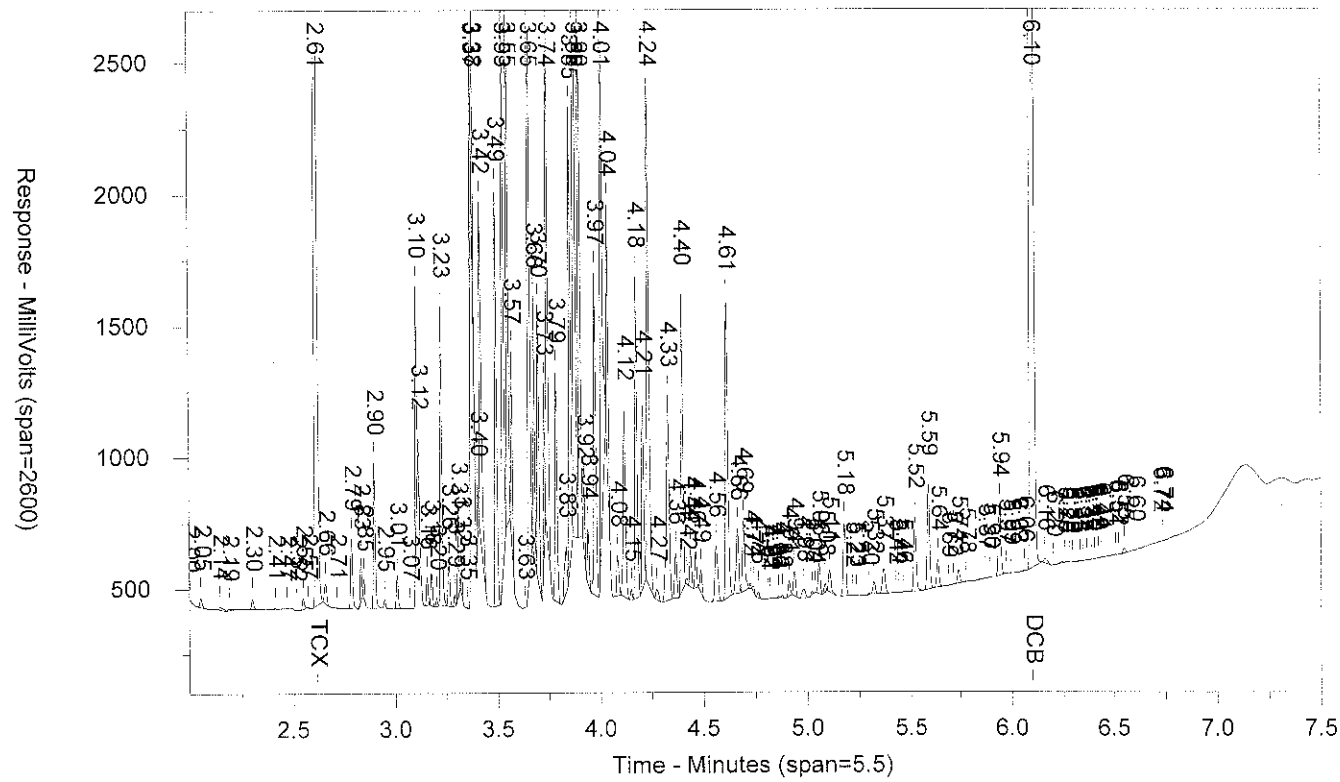

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:18:20 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	9070940	60.124	TCX	2.614	16599170	60.929	TCX
6.599	5338336	55.382	DCB	6.098	17355720	57.33	DCB

Files:
Area File: 25PCBS17284001.017.RAW
Area File: 25PCBS17284001B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:16 PM
File Reported On: 10/12/2017 at 3:34:16 PM

AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082

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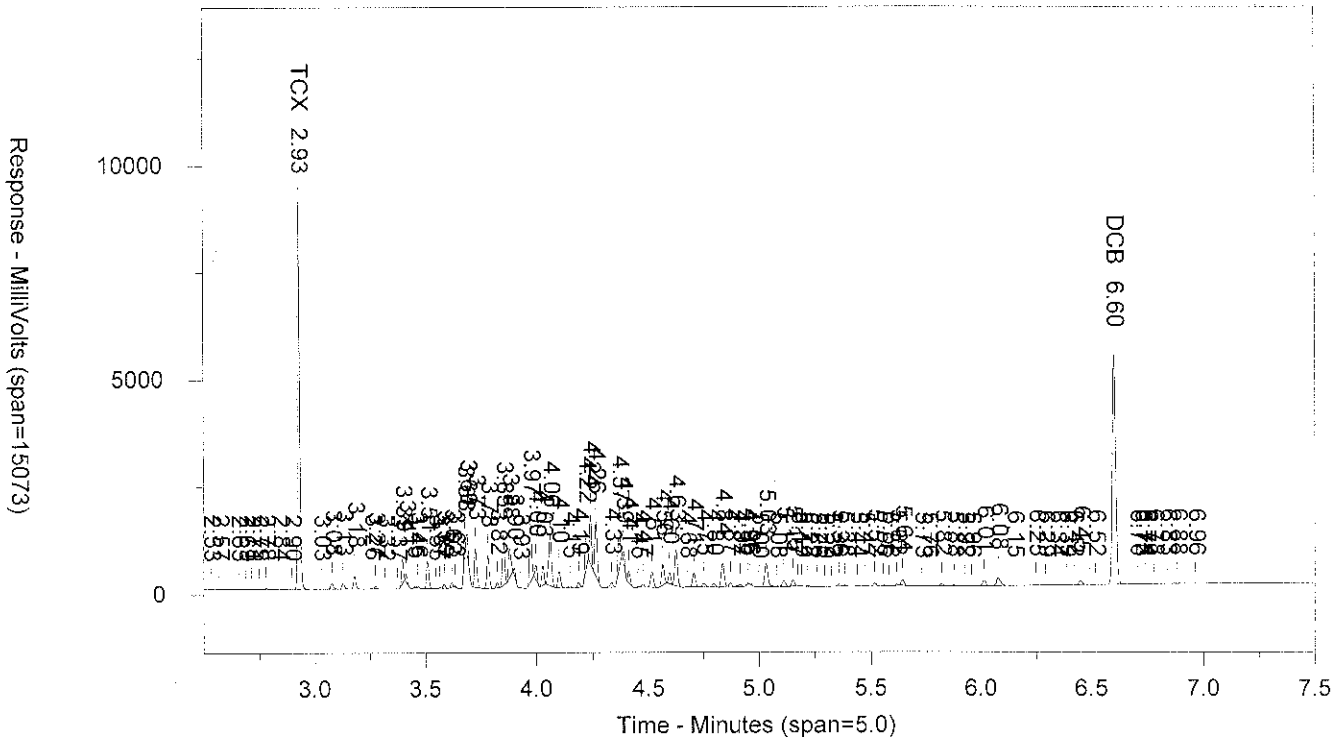

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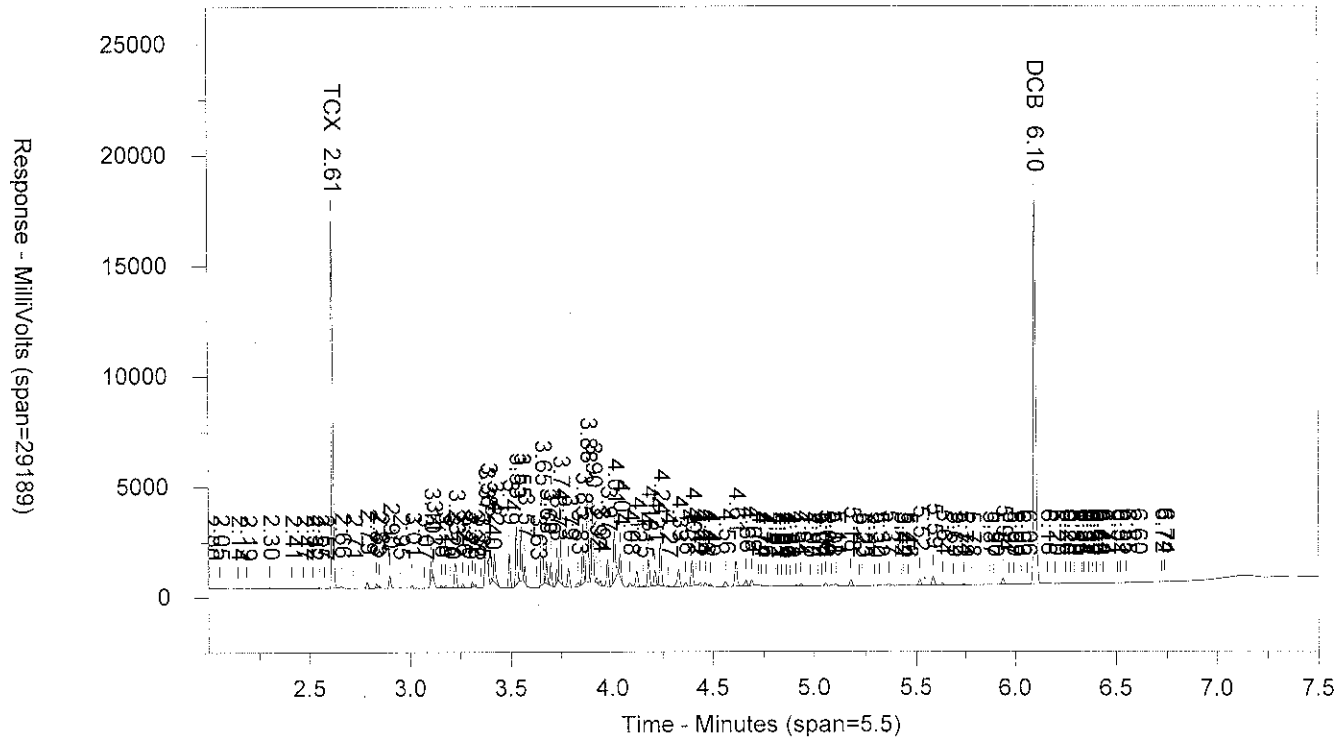

AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082

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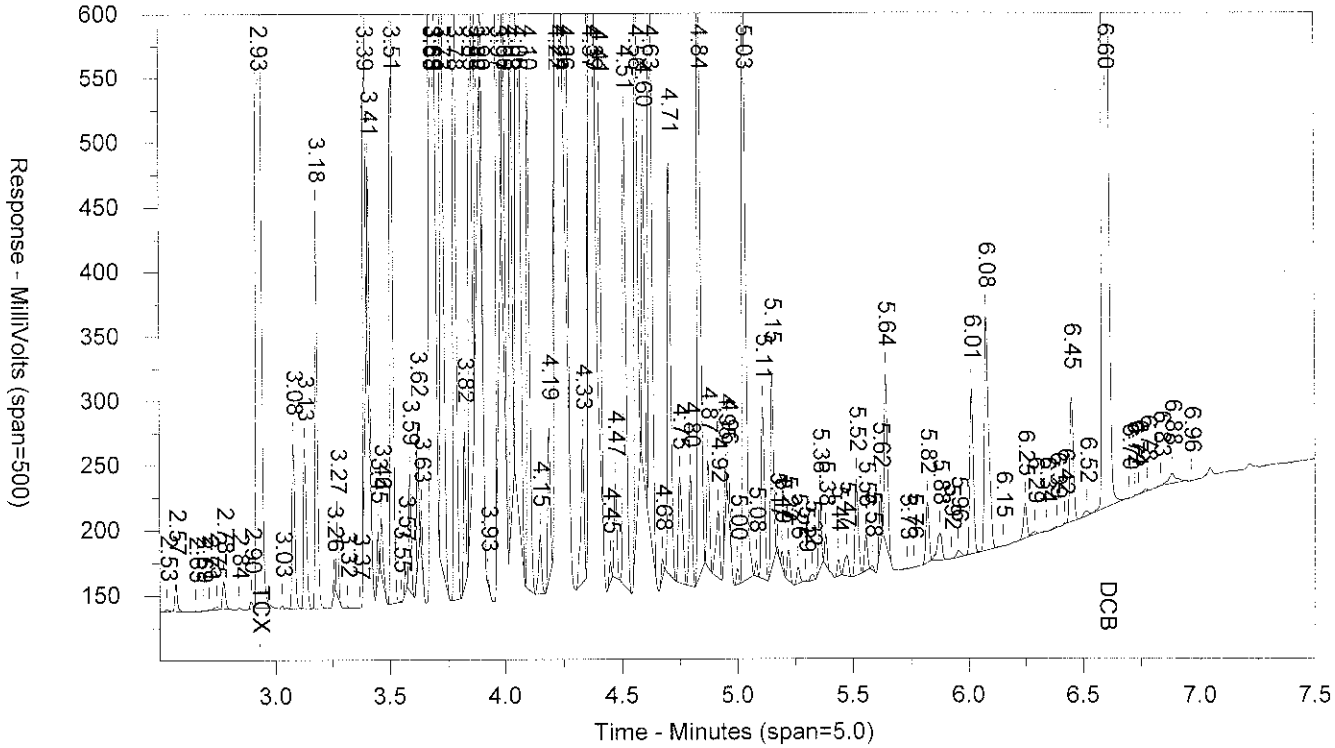

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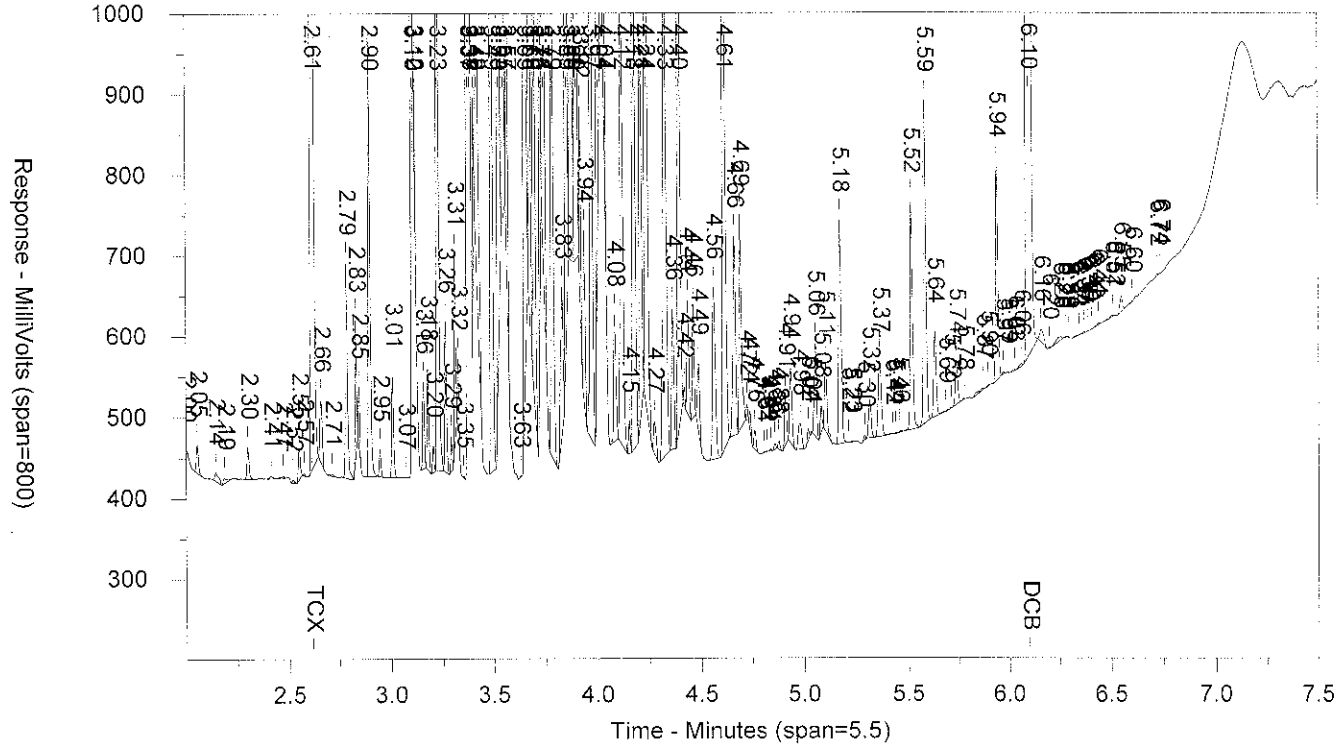

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:29:40 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		20330	21163
2.087		18405	44222
2.23		53481	42186
2.296		612	524
2.338		26527	26938
2.431		5088	4022
2.49		14407	14896
2.531		1434	1410
2.569		36746	28852
2.654		968	784
2.747		2239	3425
2.777		20093	18990
2.842		4316	3454
2.895		10524	8427
2.93	TCX	12157450	8190003
3.027		2887	1715
3.049		757	357
3.078		237523	212009
3.128		172225	170320
3.18		583207	437610
3.258		15942	7880
3.274		102163	68232
3.316		3595	2726
3.395		1090138	683747
3.412		341172	182916
3.45		66778	37719
3.465		84679	56700
3.51		1223072	969382
3.548		1958	929
3.566		23245	13929
3.586		169245	119880
3.62		194895	117846
3.635		65091	30450
3.678		893787	461434
3.689		1041815	491536
3.726		1736291	1389349
3.782		1584918	1183714
3.824		213281	155593
3.852		2354004	1679609
3.879		1360298	1136003
3.9		311026	165528
3.974		2764849	1970573
3.998		695508	428554
4.03		884785	649623
4.063		2362903	2209740
4.103		723786	622744
4.149		91716	81813
4.188		225963	175759
4.222		1758509	1152702
4.241		2379011	1460102
4.265		2423284	1856606
4.334		206258	216316
4.368		1865007	1481098
4.387		441154	262311

RT A	Compound A	Height A	Area A
4.41		506361	352143
4.451		32117	20401
4.473		134159	105578
4.515		702190	651063
4.565		1003537	881025
4.596		519353	387203
4.626		1713123	1488422
4.675		31526	20974
4.708		614926	596904
4.751		152844	189097
4.797		170356	153499
4.837		1122917	1041620
4.871		106786	85590
4.916		108605	129460
4.95		55597	43914
4.962		43302	32547
5		20731	15061
5.032		1157711	1140426
5.082		24784	16670
5.112		174306	180452
5.153		262012	248808
5.174		11662	4849
5.193		23469	13883
5.22		48085	41675
5.262		23370	23474
5.295		1656	1098
5.323		6961	7455
5.358		95794	81319
5.381		46424	33221
5.438		22659	19701
5.475		24945	30632
5.518		92663	96903
5.556		54908	49247
5.582		6479	4404
5.617		79268	61440
5.642		158040	146724
5.723		719	695
5.821		89733	87116
5.876		38086	59341
5.923		172	377
5.955		8680	11900
6.014		167304	171898
6.077		231578	310343
6.142		444	216
6.187		698	244
6.247		51664	54283
6.29		3263	4142
6.379		1613	1837
6.426		704	844
6.451		131798	137465
6.511		6229	9541
6.556		550	565
6.6	DCB	7239705	7265796
6.702		428	397
6.727		633	282
6.773		3345	4723
6.802		504	181
6.831		526	774
6.884		8036	21199
6.981		819	405

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:29:40 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		44183	34255
2.144		14703	22194
2.187		11659	19235
2.301		68275	50683
2.41		3997	5293
2.468		4909	20000
2.547		39507	30878
2.572		6452	3075
2.615	TCX	21658580	12612500
2.658		135617	109198
2.756		986	631
2.786		485293	344769
2.832		211061	102989
2.846		146596	72082
2.898		1057413	666612
2.948		43716	26214
3.009		215268	142835
3.07		823	189
3.088		749	362
3.105		1598038	825667
3.116		377692	127499
3.156		199597	117408
3.178		229322	133676
3.203		64281	34297
3.227		2274578	1509647
3.264		345387	212491
3.291		52465	25422
3.31		433594	235731
3.325		181728	84743
3.35		3786	1961
3.375		1864475	835429
3.385		2480358	999726
3.405		375130	152739
3.419		2639138	1765597
3.493		3200039	1962416
3.528		5269139	3061482
3.551		4882318	2670175
3.569		1471602	727263
3.655		6587784	4109505
3.678		1997061	1057194
3.699		2176716	1278392
3.727		1135926	582943
3.744		4803154	2707366
3.785		1774360	1222806
3.832		352468	294975
3.854		3638481	2176741
3.877		8183394	5122428
3.901		6057473	3780301
3.921		450387	218116
3.941		429049	243287
3.975		2436083	1684673
4.01		4545594	3387172
4.038		2320678	1293617
4.068		7858	2787

RT B	Compound B	Height B	Area B
4.085		309015	210935
4.119		1393569	1084280
4.151		52899	28821
4.176		2638857	1856299
4.209		1391740	970102
4.236		4140700	2862294
4.274		76602	74308
4.328		1555301	1421503
4.364		347354	261232
4.396		2317425	1658774
4.419		55721	24867
4.437		167895	104987
4.463		267009	172941
4.488		176597	125926
4.563		393057	395770
4.613		2394900	1874397
4.664		319607	296161
4.692		516162	426312
4.724		40743	19209
4.738		44418	22498
4.762		47529	31961
4.82		4529	3689
4.839		5028	2847
4.861		13286	8427
4.878		19469	12631
4.911		105881	76746
4.935		190179	143080
4.983		51839	60140
5.021		23973	16207
5.036		2350	968
5.056		150633	116472
5.083		63858	43429
5.105		169544	139551
5.146		2380	950
5.177		356758	310333
5.249		2198	4483
5.297		6772	5391
5.319		89083	71078
5.365		174406	178981
5.455		1102	278
5.48		989	813
5.518		379139	315936
5.586		545248	458241
5.635		142742	117534
5.742		92746	78068
5.805		6957	19219
5.873		1714	18095
5.906		1562	2525
5.94		332473	275463
5.975		2373	2059
6		1537	1522
6.061		4717	9214
6.098	DCB	22529380	18638130
6.167		13967	23354
6.234		3565	3066
6.252		6255	20888
6.316		1720	908
6.344		1973	780
6.371		1236	344
6.415		1653	1197
6.438		4588	5236
6.491		2514	3049
6.508		5598	6787
6.549		25536	112006
6.958		2078	1251
6.991		1595	732

AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082

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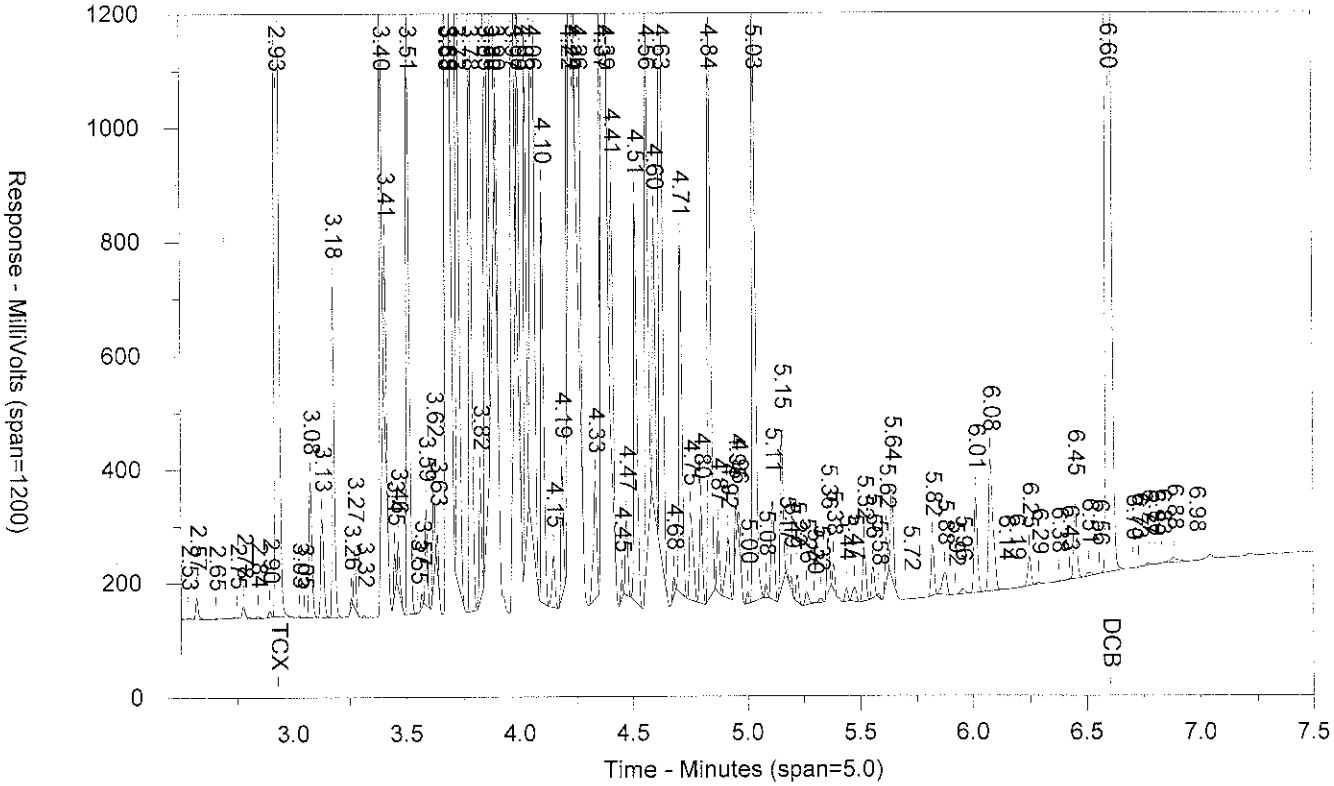

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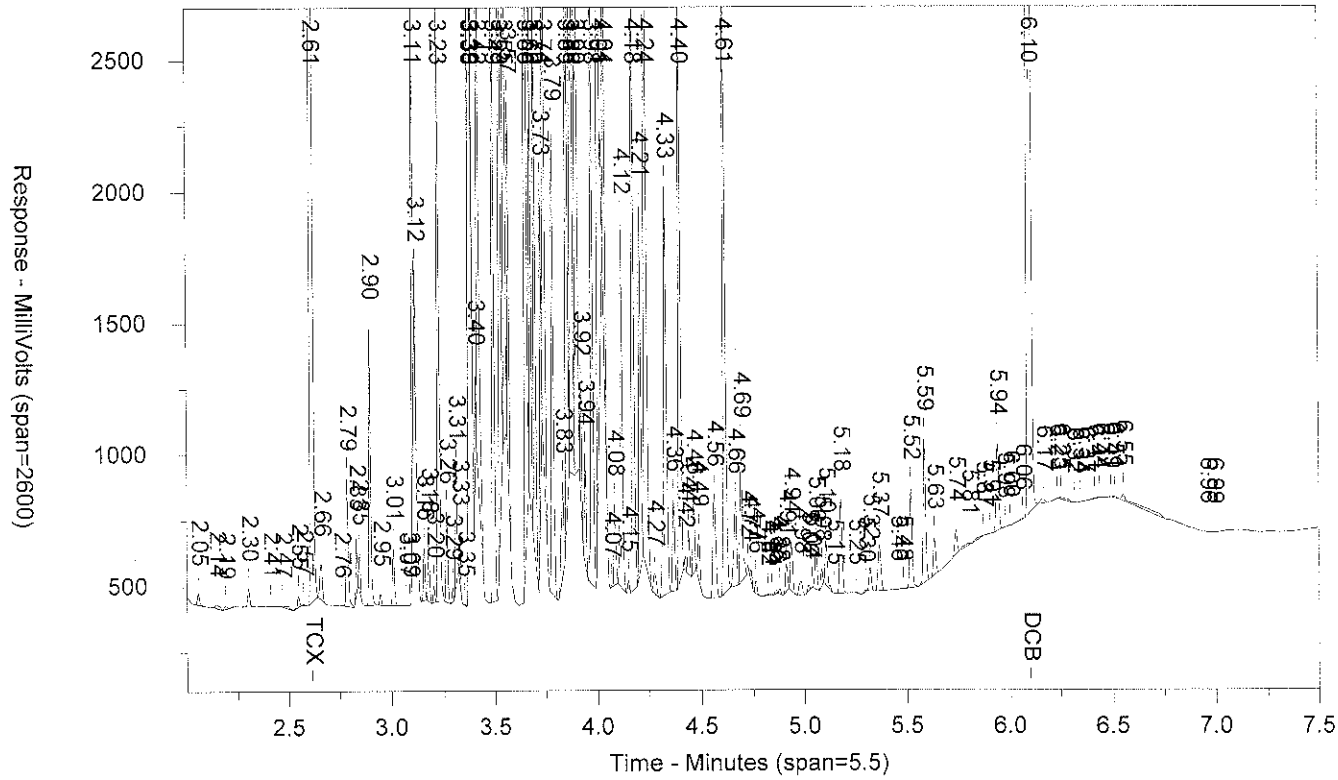

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:29:40 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	12157450	80.582	TCX	2.615	21658580	79.499	TCX
6.6	7239705	75.107	DCB	6.098	22529380	74.419	DCB

Files:
Area File: 25PCBS17284001.018.RAW
Area File: 25PCBS17284001B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:17 PM
File Reported On: 10/12/2017 at 3:34:35 PM

AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082

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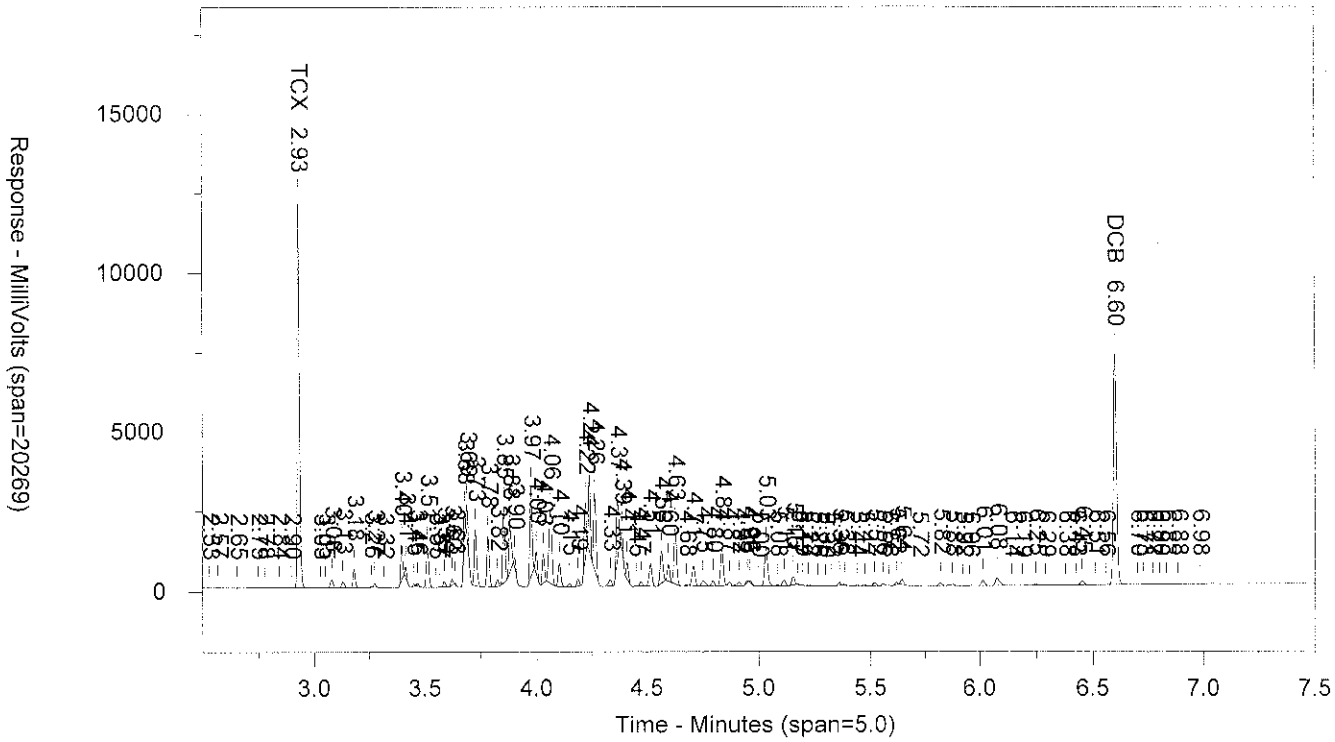

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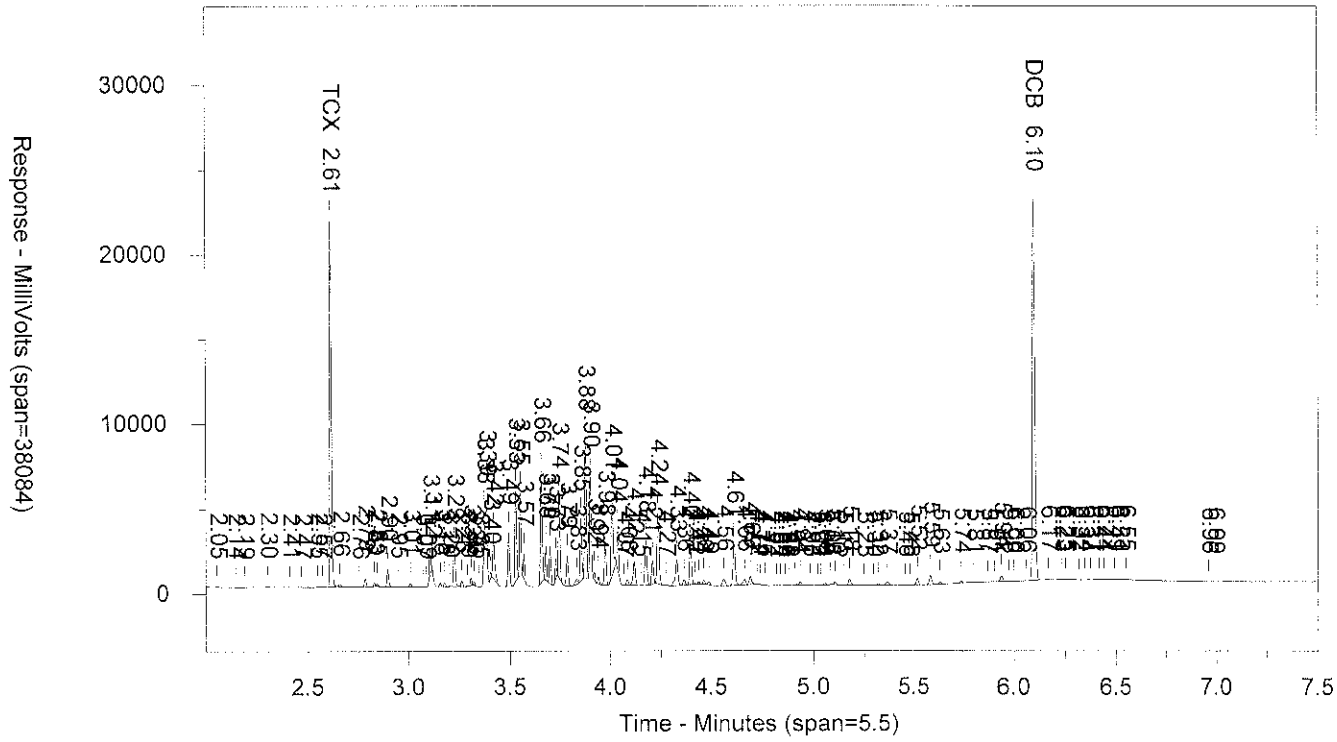

AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082

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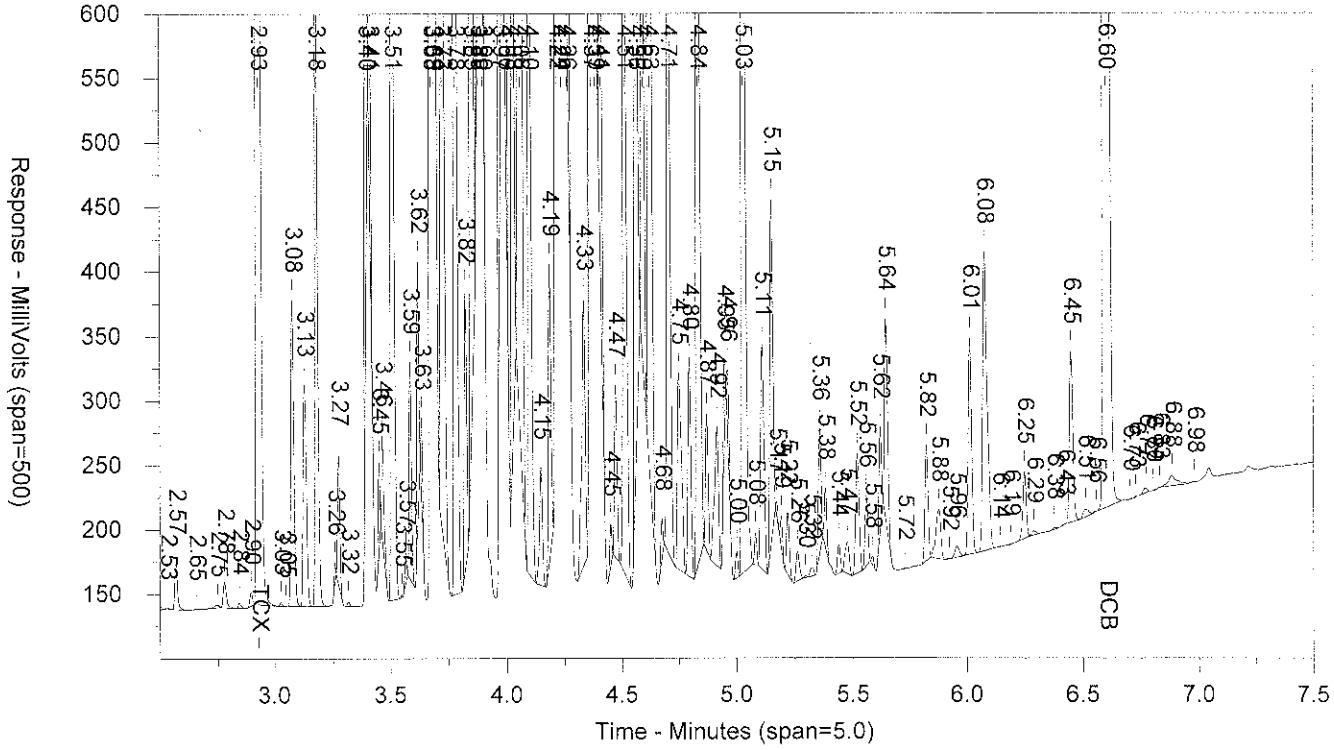

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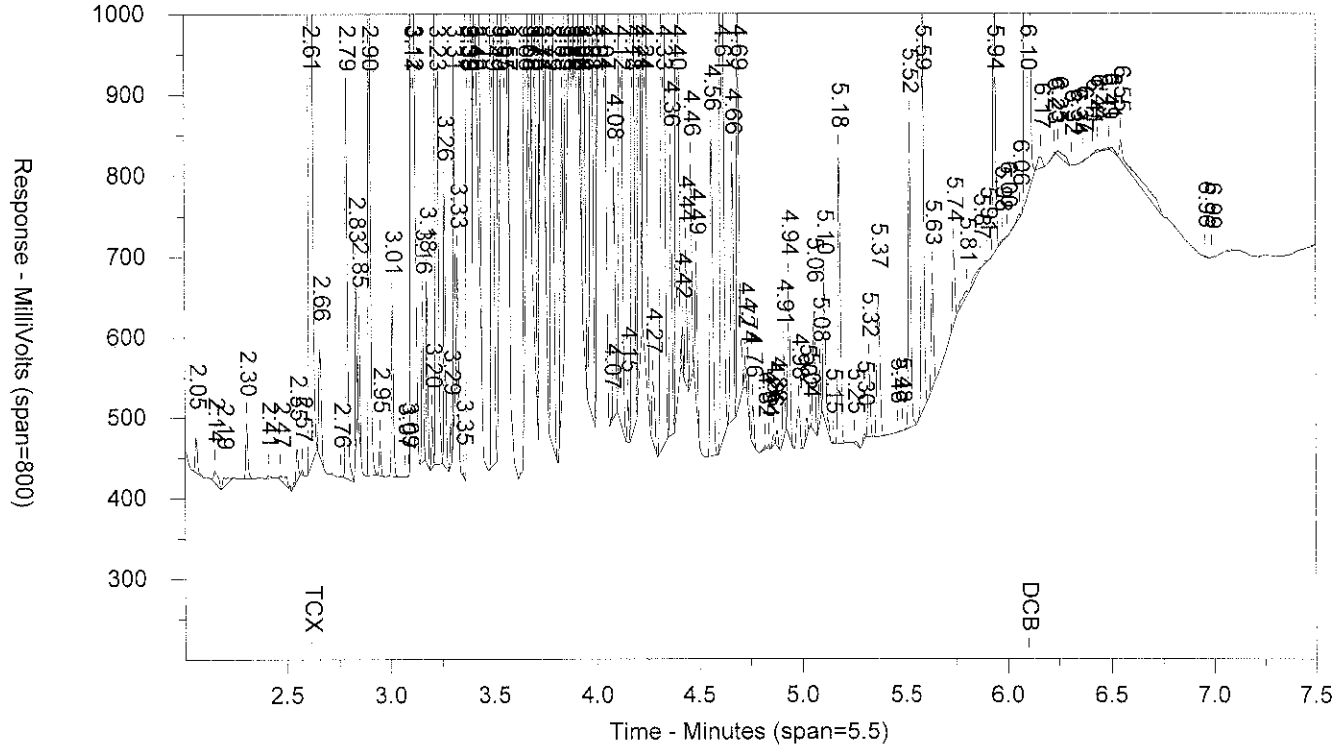

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:41:21 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.037		12747	12448
2.09		10747	21947
2.231		2164	3978
2.301		616	455
2.331		11249	8123
2.372		734	776
2.491		8894	8465
2.529		1359	1290
2.572		586	293
2.591		687	723
2.658		463	250
2.684		928	756
2.747		2514	2871
2.779		12901	11899
2.897		6601	5947
2.931	TCX	294050	202867
3.03		403	365
3.079		2938	2953
3.129		4609	3979
3.181		5186	4071
3.263		6652	8313
3.365		456	250
3.399		6907	4214
3.416		2635	1867
3.469		4074	3200
3.512		9292	7125
3.542		649	438
3.589		5835	3305
3.607		3607	2534
3.681		2508	1694
3.704		1564	742
3.731		19604	14995
3.786		8308	6709
3.828		1592	1457
3.855		60180	45901
3.891		18564	23417
3.932		6626	6634
3.979		36707	28118
4.002		2276	1226
4.034		7162	4903
4.064		19713	23289
4.108		4418	3691
4.154		805	721
4.174		1563	1124
4.191		2863	1609
4.227		82211	58069
4.244		22063	11481
4.271		28994	26532
4.339		23513	19867
4.38		127260	144013
4.415		49238	38945
4.454		1537	948
4.477		8236	6471
4.519		52569	46396

RT A	Compound A	Height A	Area A
4.568		88639	73703
4.599		15998	10777
4.63		163921	148444
4.68		7551	5297
4.694		1674	562
4.712		21745	17033
4.755		55776	57045
4.8		10528	9227
4.841		116643	107737
4.872		3255	2299
4.9		12606	14276
4.954		70491	118333
5.039		80380	86323
5.085		8703	6833
5.113		11091	15766
5.156		118945	108258
5.178		4703	2380
5.196		4284	2526
5.224		3882	3205
5.267		4891	6022
5.325		6459	7455
5.361		36433	29979
5.386		8354	5761
5.441		4893	4273
5.48		4045	3836
5.522		3426	3393
5.56		21669	20052
5.586		2755	1644
5.62		16021	13514
5.65		7134	8837
5.707		562	149
5.727		806	655
5.743		573	309
5.824		16039	14532
5.855		2128	3067
5.96		5823	8727
6.015		4415	3783
6.08		7016	9107
6.158		136	755
6.171		470	217
6.208		657	863
6.245		5310	7148
6.285		2291	2261
6.325		525	218
6.371		698	561
6.407		537	498
6.454		3437	4212
6.517		4552	7529
6.604	DCB	214611	231989
6.666		654	609
6.687		513	381
6.779		2138	4677
6.887		8724	21334
6.973		493	517

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:41:21 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		1736	1425
2.155		6202	6948
2.231		3857	20191
2.299		2571	2187
2.413		3857	5127
2.468		2996	2392
2.495		5030	4728
2.517		3561	1640
2.547		26902	24977
2.614	TCX	523624	320276
2.66		4312	4580
2.714		1959	2193
2.785		6453	9169
2.832		11481	10966
2.899		11553	8497
3.01		4041	2621
3.068		466	64
3.085		454	80
3.106		9081	4201
3.118		3343	1108
3.159		1731	1124
3.179		8778	6826
3.207		1455	894
3.229		18466	11686
3.264		15907	9135
3.291		1954	888
3.313		1822	1178
3.329		3915	2303
3.378		4047	2606
3.406		3304	1423
3.422		26452	22521
3.455		1980	975
3.478		482	85
3.496		18063	11998
3.53		138625	84975
3.554		71513	41728
3.572		3961	1381
3.589		4135	6079
3.636		1180	1418
3.657		92152	57190
3.68		8494	4785
3.702		18523	11172
3.731		31381	16416
3.748		28073	15348
3.787		12790	9564
3.828		10257	10182
3.856		27452	16867
3.879		279521	188209
3.904		29114	16180
3.924		31308	16942
3.944		55710	35440
3.978		263797	180278
4.01		102908	61769
4.027		69435	37409

RT B	Compound B	Height B	Area B
4.087		24103	21398
4.122		106921	80887
4.154		4218	3213
4.178		189389	145517
4.212		56949	41938
4.239		330129	259353
4.277		27356	24339
4.33		173617	149169
4.368		21999	17608
4.4		188650	141707
4.423		29873	18593
4.465		136005	104566
4.492		5091	2911
4.565		120396	124658
4.617		138539	112175
4.657		37950	36916
4.695		224377	220601
4.742		16695	10173
4.766		7871	5680
4.827		2640	3831
4.882		11003	10004
4.914		13949	9273
4.938		72738	56983
4.989		3403	1906
5.023		8204	7026
5.056		8153	6721
5.087		29950	22024
5.107		23683	15621
5.125		2814	2035
5.179		11051	9067
5.209		1082	484
5.321		3323	8037
5.364		33148	32263
5.424		1327	728
5.435		763	315
5.468		827	624
5.483		1016	540
5.52		12149	15194
5.588		17090	17172
5.639		6402	6899
5.666		1243	651
5.684		1025	729
5.749		2023	4099
5.804		3390	6345
5.889		1633	12430
5.915		1111	1372
5.944		9259	8680
5.988		2978	3534
6.022		1613	1547
6.059		3885	4000
6.1	DCB	622958	548995
6.13		2069	910
6.165		22054	37491
6.258		2072	6430
6.294		2977	3605
6.324		2513	1604
6.368		1532	2097
6.399		1462	418
6.413		1184	561
6.427		1277	688
6.454		1321	1455
6.493		1051	1781
6.512		1674	1194
6.556		909	790
6.582		1121	1050
6.626		1710	2841

RT B	Compound B	Height B	Area B
6.639		998	337
6.68		1437	1744
6.71		1461	548
6.729		1214	573
6.745		994	564
6.787		1858	3112
6.809		2235	1996
6.831		2031	543
6.855		1270	1426
6.871		1292	264
6.921		1634	3584
6.949		1421	571
6.96		2050	1524
6.991		1888	771

AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082

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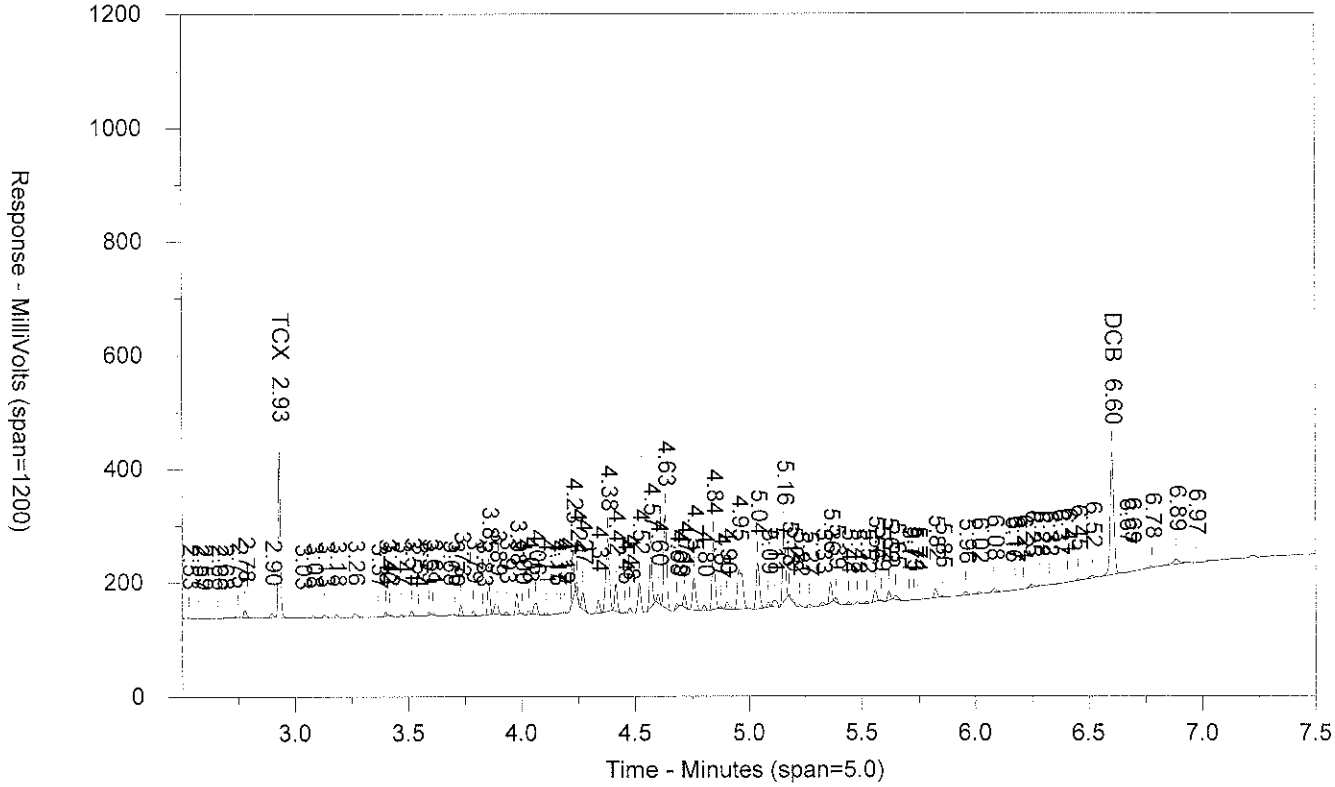

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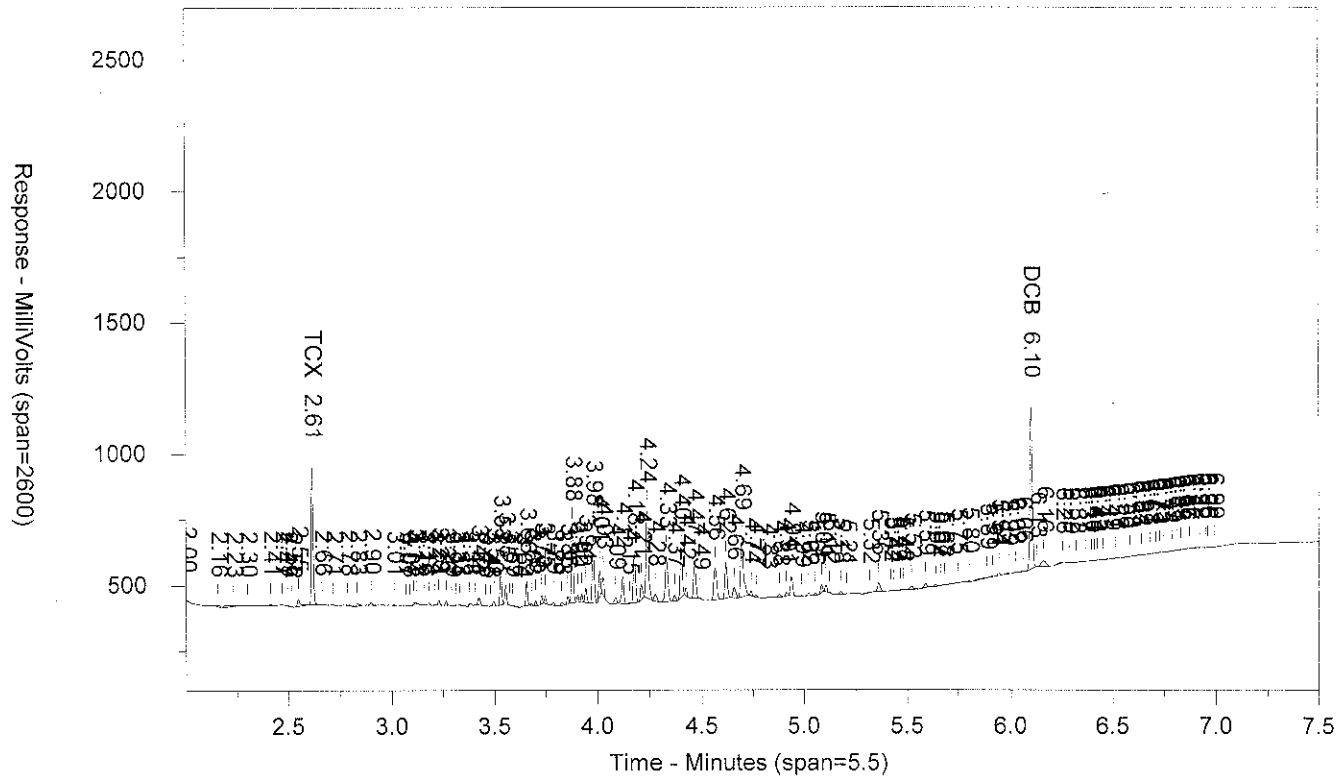

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:41:21 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	294050	1.949	TCX	2.614	523624	1.922	TCX
6.604	214611	2.226	DCB	6.1	622958	2.058	DCB

Files:
Area File: 25PCBS17284001.019.RAW
Area File: 25PCBS17284001B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:17 PM
File Reported On: 10/12/2017 at 3:34:51 PM

AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082

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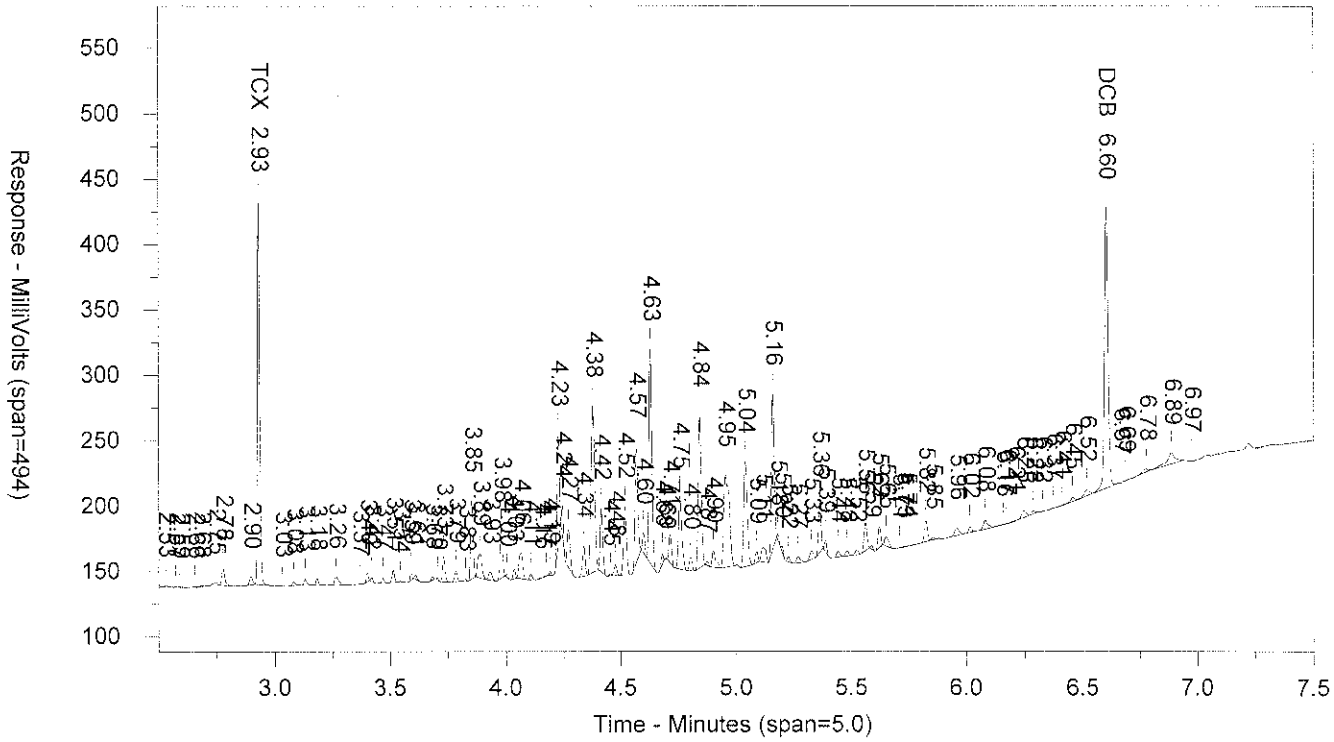

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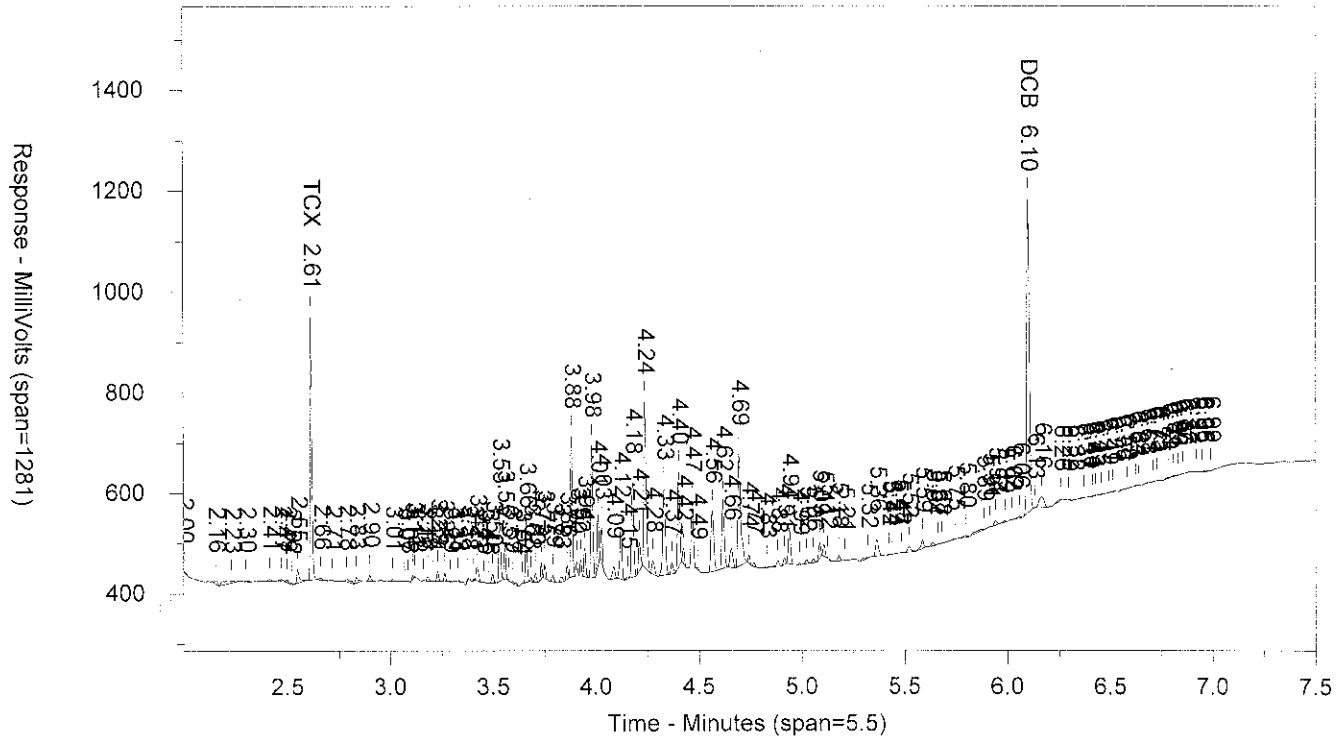

AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082

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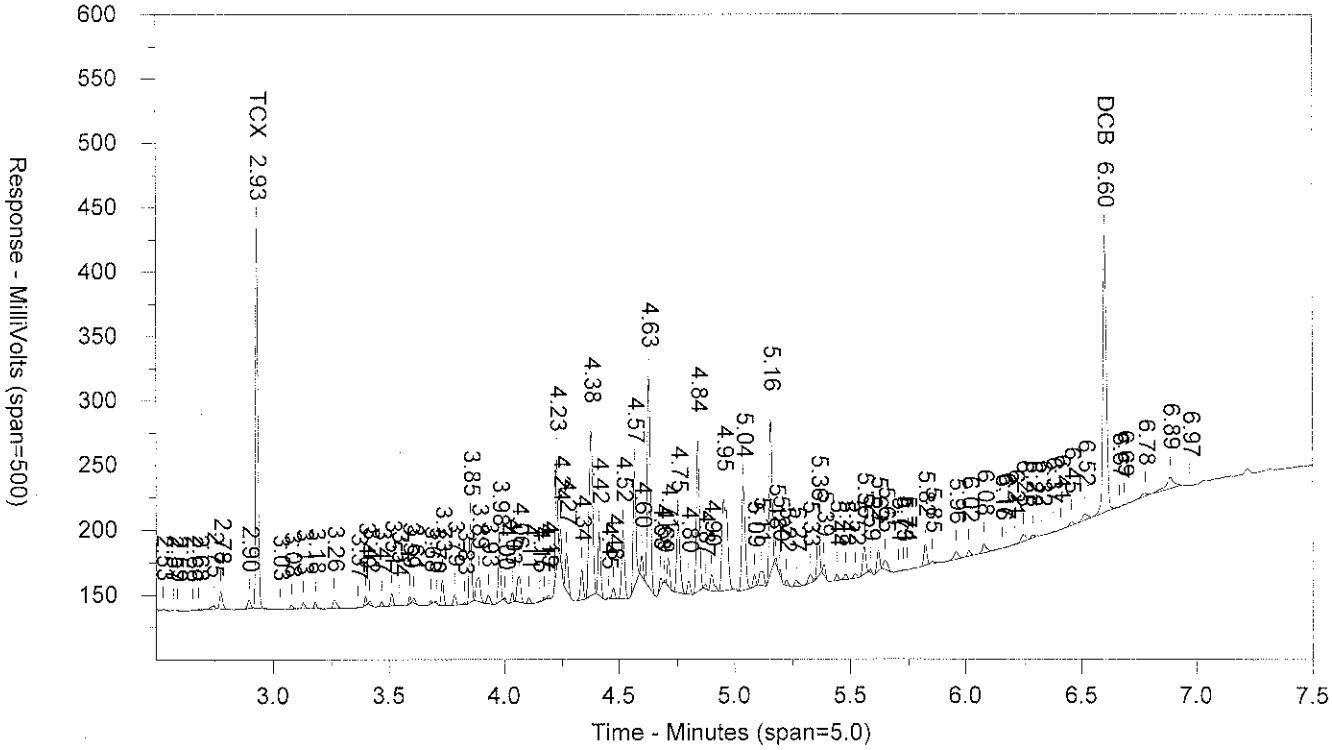

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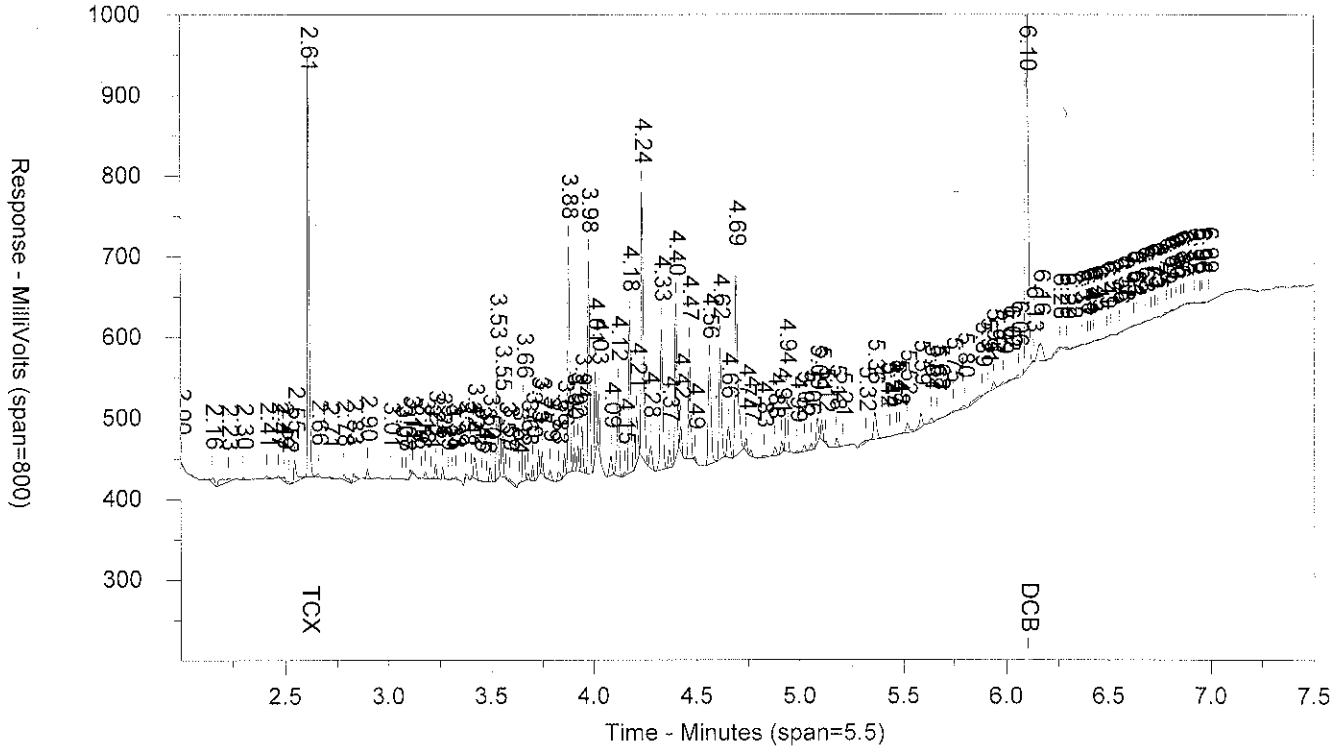

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:52:42 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		11424	10748
2.088		10842	29325
2.23		3022	2801
2.329		12349	9376
2.361		557	534
2.49		7871	7695
2.529		1625	1569
2.569		1238	730
2.587		996	520
2.655		510	418
2.685		269	131
2.715		296	368
2.746		2532	2656
2.777		10153	9110
2.855		710	786
2.896		5580	4502
2.93	TCX	555203	386419
3.027		460	267
3.05		507	320
3.077		4913	4538
3.127		8099	7062
3.178		9844	7423
3.261		6278	9593
3.366		512	470
3.396		12551	7702
3.413		4942	3700
3.465		7587	5823
3.51		17848	13895
3.536		662	454
3.566		1382	727
3.586		12700	7605
3.604		2236	1557
3.677		4936	3079
3.7		3596	1972
3.727		36393	27961
3.782		15750	12512
3.823		2916	2004
3.852		116017	88092
3.887		36008	44064
3.928		6468	6035
3.975		72801	55536
3.999		4160	2464
4.03		13486	9285
4.059		35887	44067
4.103		8518	7066
4.151		2341	2173
4.169		1243	765
4.188		6567	4136
4.223		143602	104576
4.241		43065	23950
4.267		52847	44078
4.335		46547	38653
4.377		233004	270419
4.411		92456	76659

RT A	Compound A	Height A	Area A
4.451		3104	1970
4.474		16482	12496
4.515		100149	90681
4.565		162866	142689
4.597		37269	23927
4.626		310363	282356
4.676		14289	10482
4.691		2467	883
4.71		44124	33788
4.751		106552	109512
4.797		20434	18225
4.838		208208	207930
4.87		6663	4756
4.898		22953	26561
4.949		131818	216572
4.997		2515	2048
5.035		152727	168637
5.082		17983	13255
5.112		21272	29881
5.154		214832	200831
5.175		8850	4234
5.192		7104	4778
5.221		7495	6063
5.263		9138	10812
5.325		4379	5014
5.359		72510	61250
5.382		16366	11762
5.44		9318	8191
5.477		7951	7688
5.518		6019	5840
5.557		45436	40994
5.583		5485	3666
5.618		33403	28071
5.643		7973	8754
5.701		328	108
5.712		463	174
5.763		374	305
5.821		33153	29755
5.851		3945	3058
5.958		4877	7529
6.014		8355	8518
6.078		12797	17318
6.128		659	411
6.15		675	500
6.168		471	171
6.205		627	508
6.246		4816	6416
6.285		2073	2314
6.317		552	218
6.382		609	655
6.453		6265	7955
6.516		3762	6045
6.601	DCB	390738	420166
6.741		697	769
6.771		1755	1753
6.883		8871	23443
6.965		579	145

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:52:42 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		83	867
2.114		1462	1039
2.156		4203	3894
2.23		4425	19243
2.269		1562	1241
2.299		2923	2342
2.413		3140	3878
2.467		3516	3174
2.494		4524	3632
2.519		4219	3616
2.547		18120	12025
2.614	TCX	984392	594543
2.657		6199	4839
2.786		11359	10668
2.831		17557	16886
2.898		21364	14317
3.008		6893	4861
3.075		316	80
3.089		1526	537
3.105		19060	9017
3.116		4579	2877
3.156		2274	1038
3.178		16027	10938
3.199		678	152
3.208		561	262
3.228		35046	22956
3.263		30799	18177
3.291		2483	1320
3.31		3805	1868
3.328		6404	3993
3.375		8072	4368
3.384		3660	1281
3.405		6306	2810
3.42		48217	40128
3.452		4652	2707
3.471		615	152
3.494		33658	22379
3.528		251500	156906
3.552		134592	76422
3.569		6812	2453
3.587		5470	3200
3.635		1491	1344
3.655		166542	106811
3.678		16133	8642
3.699		34884	22035
3.728		58119	30833
3.744		54024	28822
3.784		25093	19225
3.825		21078	20015
3.854		52872	31408
3.876		512911	359473
3.901		57304	31599
3.921		62681	33533
3.94		102049	63664

RT B	Compound B	Height B	Area B
3.975		484863	340424
4.006		189426	115381
4.024		127204	68395
4.084		40742	32918
4.119		194332	149845
4.148		4348	2707
4.176		379495	280519
4.209		109205	81311
4.236		647296	493808
4.274		51280	47062
4.327		328995	282184
4.365		47144	34960
4.396		375563	276213
4.42		58454	35703
4.463		259668	194555
4.488		9030	5141
4.561		231913	233734
4.615		265230	224682
4.653		76052	71893
4.693		434518	428367
4.738		35002	22406
4.762		14971	10428
4.822		4993	6167
4.861		1645	992
4.879		20853	15132
4.912		24091	16318
4.936		134739	110523
4.986		12778	9890
5.021		16524	12573
5.054		14077	12154
5.084		63280	45199
5.105		44473	28798
5.124		7045	3280
5.177		19249	17220
5.211		998	629
5.262		2966	2938
5.319		3735	6692
5.361		63206	64086
5.41		807	326
5.466		1837	2018
5.518		19887	22045
5.586		29806	28756
5.635		9649	8623
5.68		970	760
5.742		4155	2975
5.805		2872	4952
5.841		1828	2175
5.868		2104	2391
5.895		1201	533
5.913		2488	2202
5.941		18693	15611
5.984		3029	2852
6.019		2742	2446
6.057		4161	4073
6.098	DCB	1181663	1031203
6.161		21014	33507
6.199		1346	643
6.288		6154	34801
6.333		1423	2233
6.362		1842	1423
6.369		1485	541
6.415		1079	1657
6.454		1093	504
6.485		918	801
6.509		1914	1064
6.529		1178	716

RT B	Compound B	Height B	Area B
6.552		2212	1239
6.59		1447	1939
6.622		1529	2495
6.648		1053	622
6.67		1297	997
6.688		1415	780
6.699		1693	827
6.738		2312	3149
6.777		1914	2407
6.821		667	2295
6.851		1668	2081
6.87		1070	568
6.879		1706	679
6.91		1347	373
6.927		1194	169
6.953		1659	1222
6.994		1237	493

AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082

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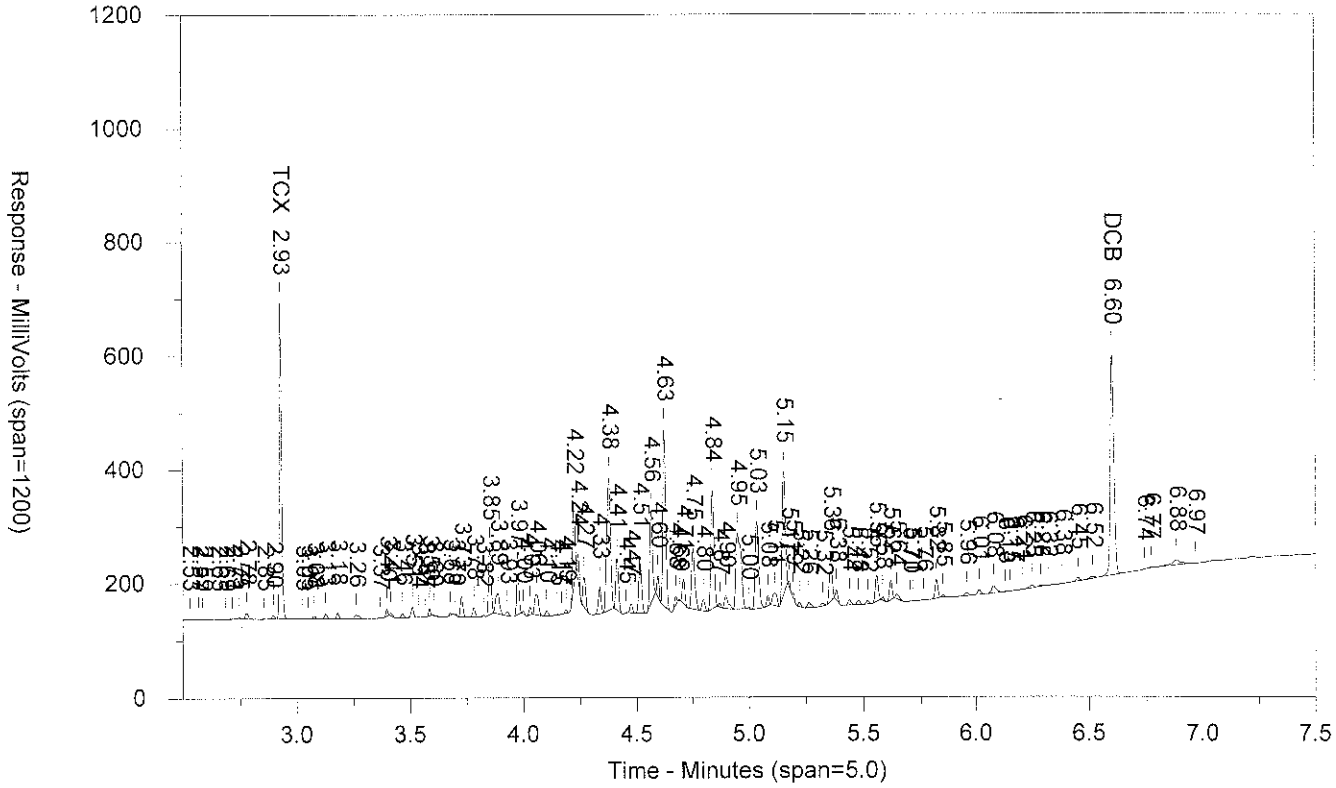

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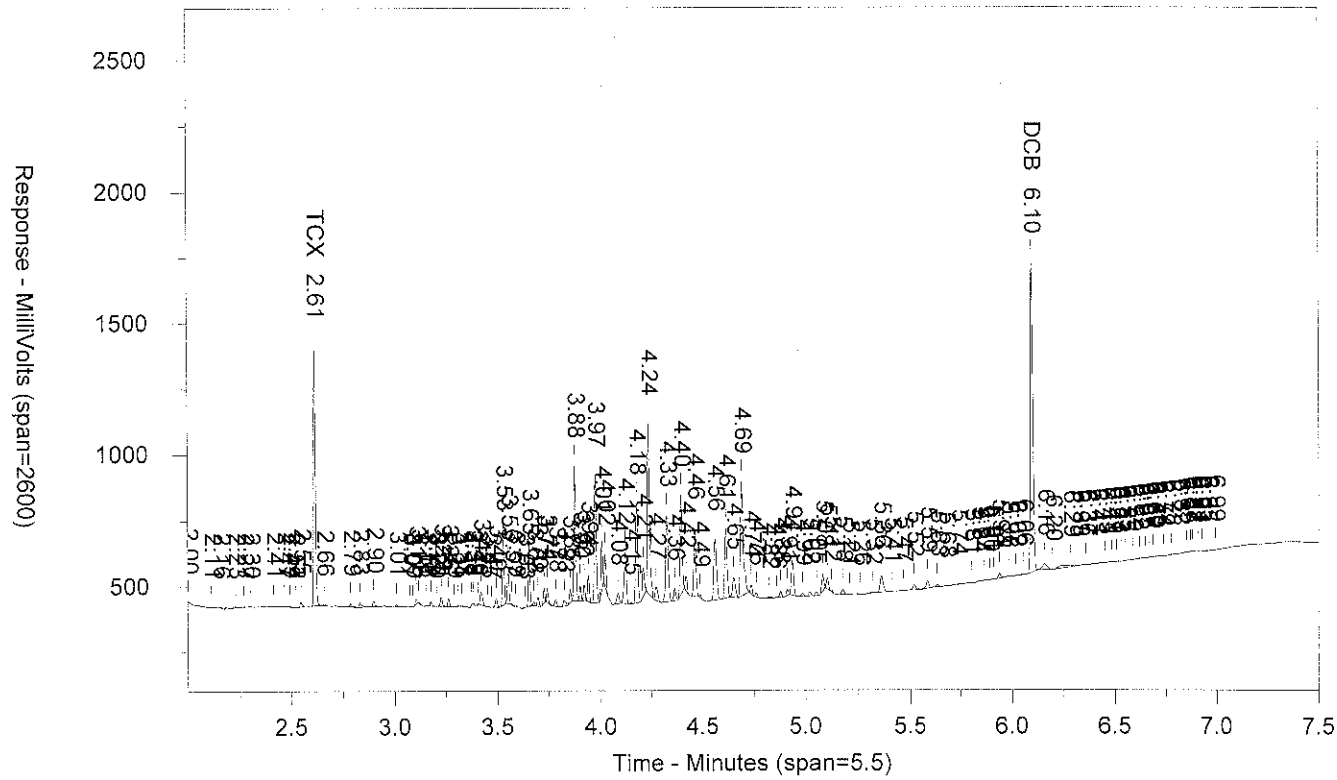

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:52:42 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	555203	3.68	TCX	2.614	984392	3.613	TCX
6.601	390738	4.054	DCB	6.098	1181663	3.903	DCB

Files:
Area File: 25PCBS17284001.020.RAW
Area File: 25PCBS17284001B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:17 PM
File Reported On: 10/12/2017 at 3:35:07 PM

AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082

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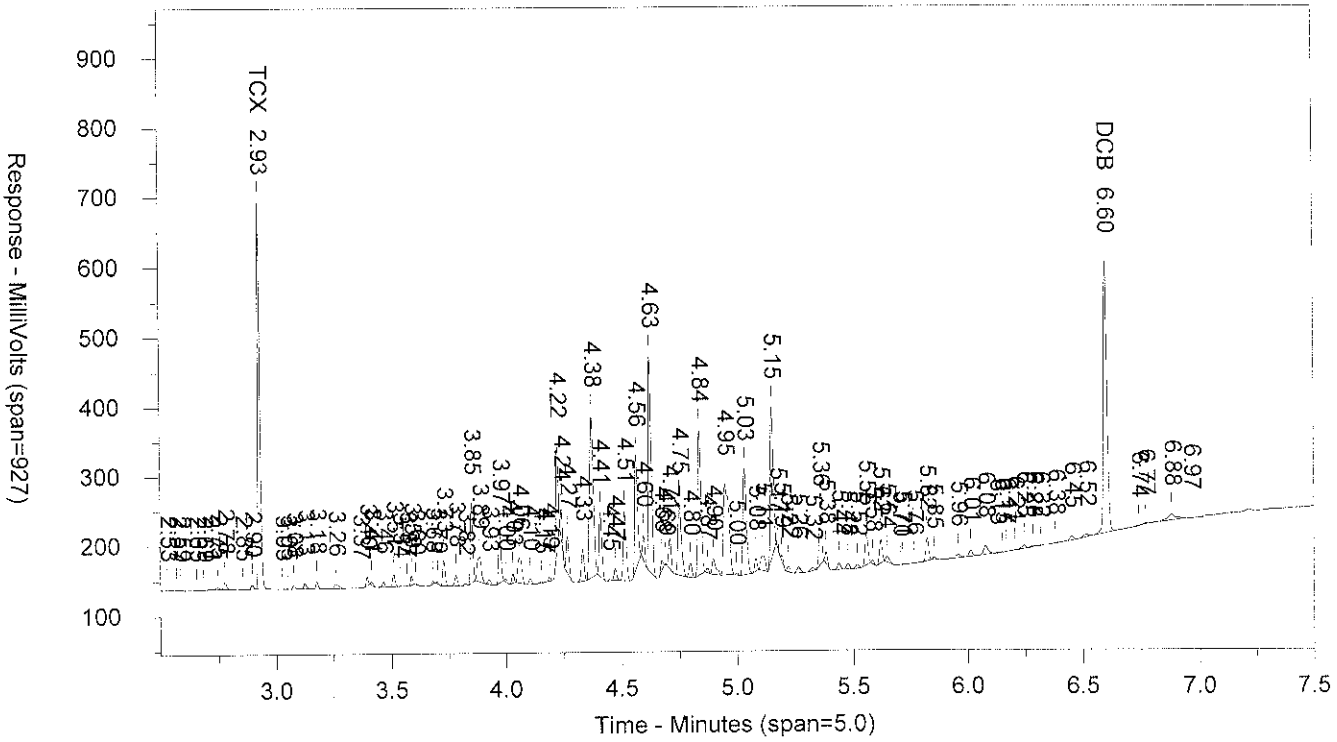

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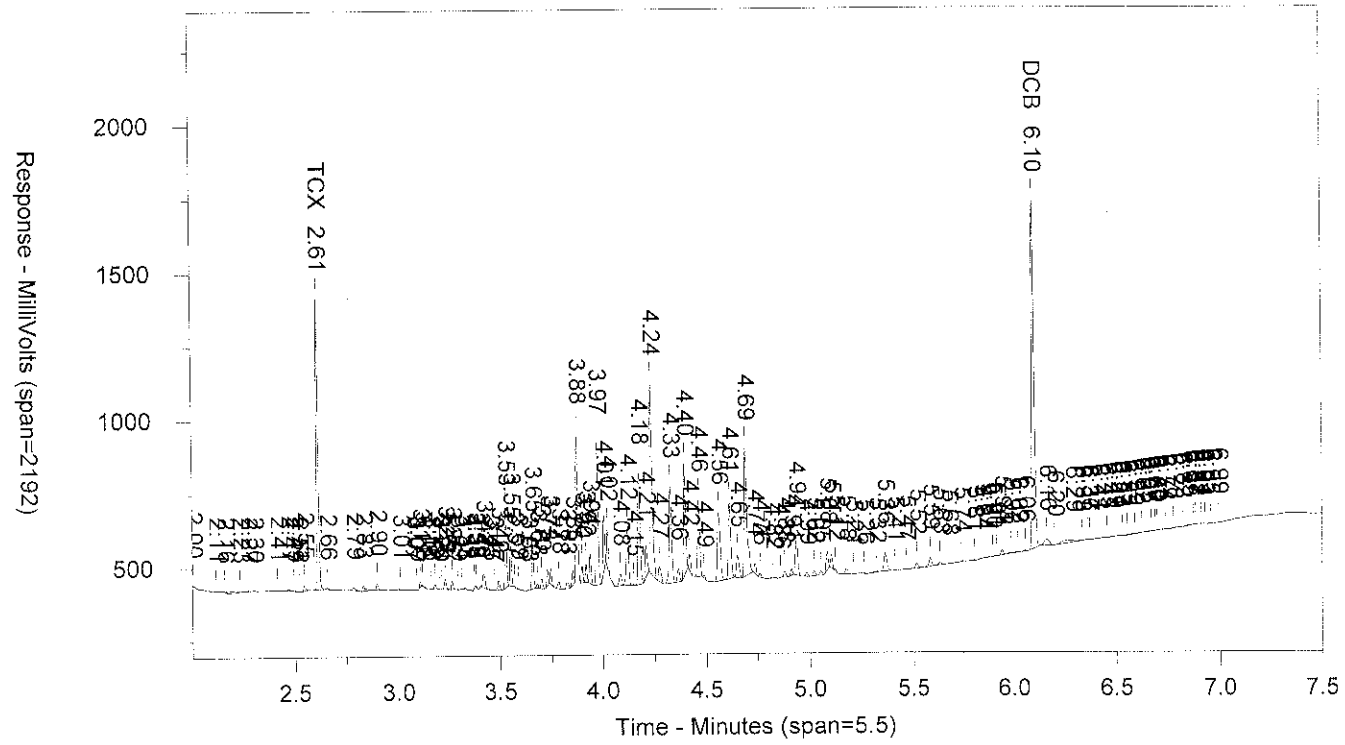

AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082

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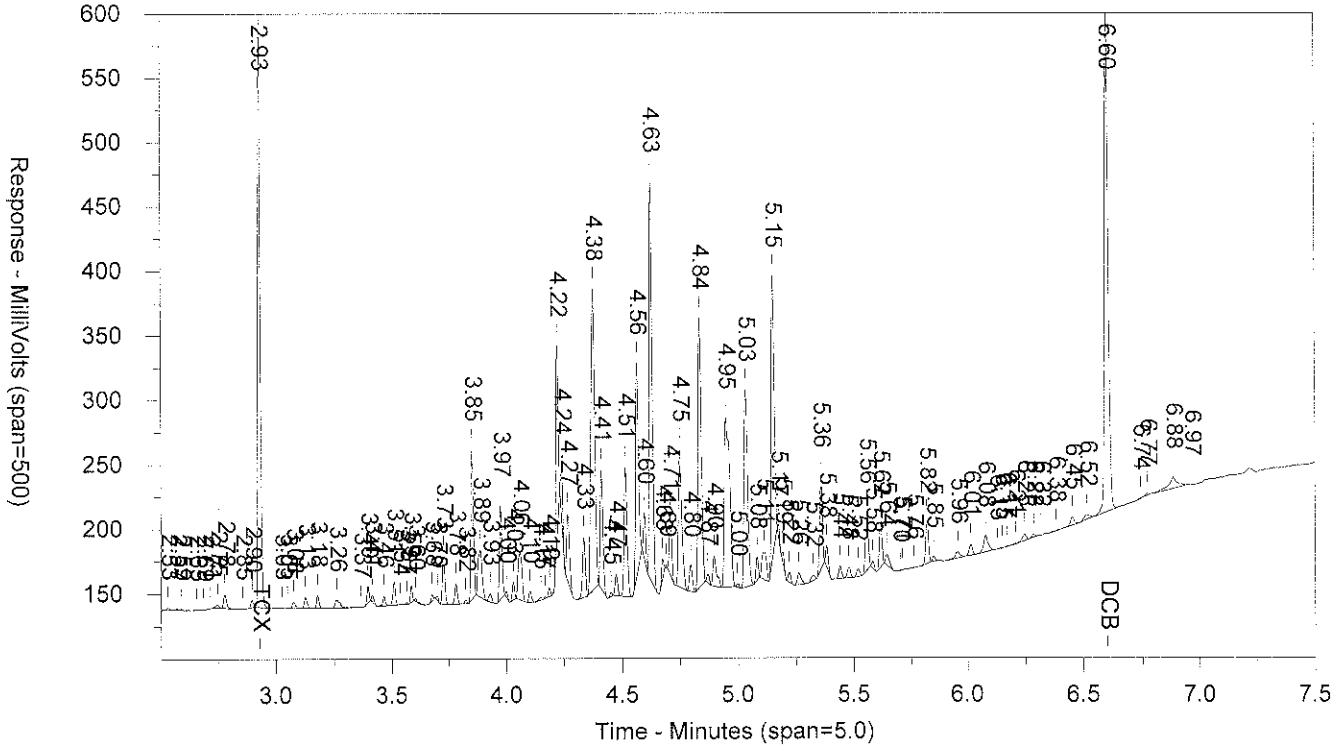

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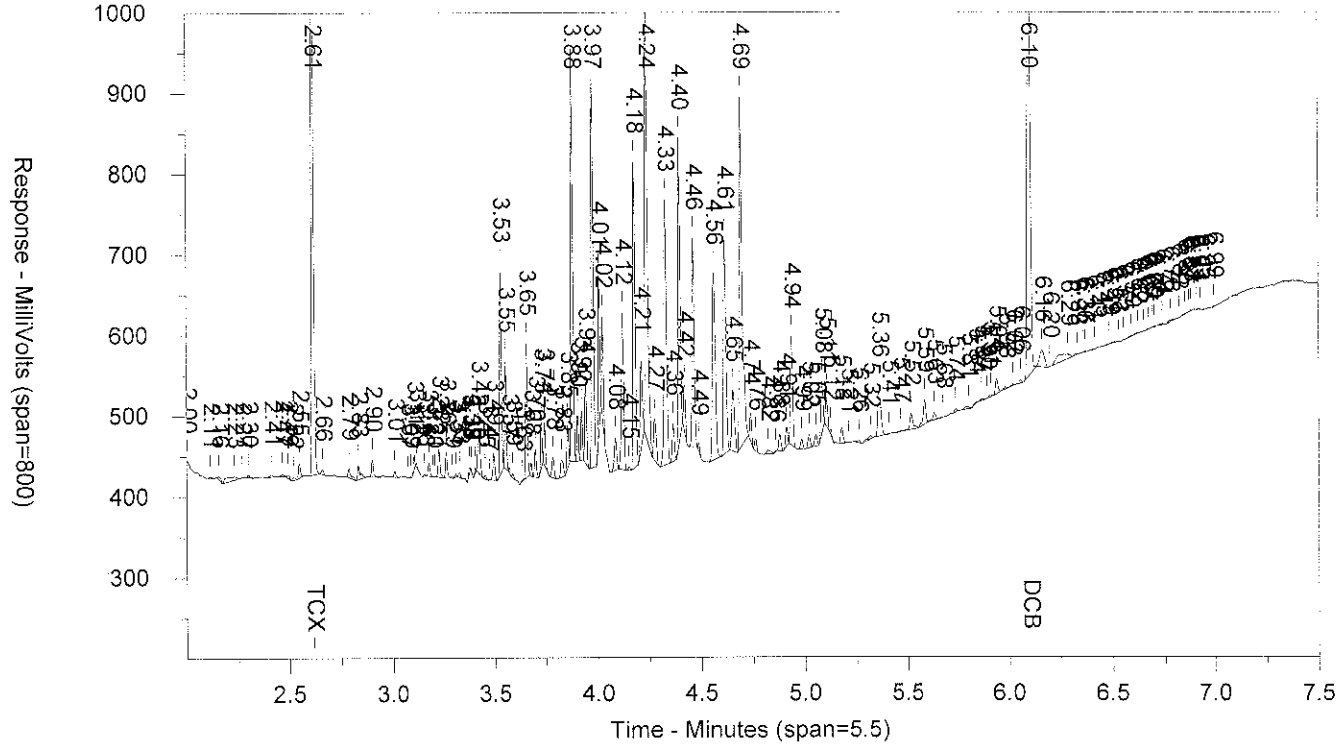

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:03:58 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		10669	10327
2.09		23654	58318
2.231		5855	4528
2.33		10558	8739
2.367		670	833
2.434		742	660
2.49		7170	6993
2.529		1652	1653
2.569		2518	1674
2.588		825	437
2.657		506	353
2.744		2781	3482
2.777		24192	23382
2.896		5021	4384
2.93	TCX	1163410	812420
3.029		918	1037
3.077		9057	8183
3.126		16855	13909
3.179		18516	14493
3.259		3596	2266
3.273		3673	1906
3.345		373	308
3.366		432	277
3.396		24493	15000
3.415		9972	7215
3.466		14438	11338
3.51		33855	25031
3.539		554	200
3.566		2618	1595
3.586		26770	19674
3.619		1792	935
3.637		1212	564
3.678		7159	3874
3.699		8220	6257
3.728		71684	55303
3.782		28932	22084
3.824		5816	3994
3.852		213021	164098
3.887		69918	85805
3.928		7989	6716
3.975		137749	106692
3.999		8561	4668
4.031		25415	17405
4.061		74637	87453
4.104		16734	14107
4.15		4990	4607
4.169		876	322
4.188		13263	8533
4.224		277700	196232
4.241		90950	47532
4.267		98343	79193
4.335		87098	75590
4.377		436254	506376
4.412		173782	144233

RT A	Compound A	Height A	Area A
4.452		5434	3636
4.474		30762	23767
4.516		184223	172161
4.565		300372	267683
4.596		70944	46578
4.626		603427	539609
4.676		27280	19271
4.691		6622	2468
4.709		89158	68848
4.752		198907	206139
4.797		41215	35869
4.838		394941	396680
4.87		15559	10626
4.898		45580	53115
4.949		248350	397295
4.999		5599	4139
5.035		298380	323218
5.083		34210	26191
5.111		43476	59696
5.153		411468	376247
5.175		19869	9230
5.193		16911	9359
5.221		14169	11452
5.264		17504	20868
5.329		2919	3849
5.358		132117	118290
5.383		32875	23315
5.413		958	368
5.438		16888	15366
5.477		15663	15099
5.518		11493	11564
5.557		89422	81875
5.582		10941	7069
5.617		64512	55371
5.642		13481	11802
5.718		437	370
5.754		423	138
5.776		354	260
5.822		61562	58160
5.853		7640	8569
5.917		449	146
5.957		4238	5670
6.014		17659	17125
6.077		26917	36105
6.167		493	149
6.246		6497	8947
6.283		2578	3618
6.335		727	760
6.378		644	672
6.426		663	587
6.451		11626	12255
6.515		3397	5169
6.6	DCB	766132	820734
6.666		441	144
6.686		797	175
6.703		786	405
6.739		787	878
6.772		2269	3576
6.799		634	263
6.88		6381	11882
6.917		946	459

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:03:58 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		4006	2401
2.158		4262	3581
2.187		3148	2030
2.231		2396	2569
2.302		6373	4978
2.412		3883	3924
2.469		3900	8306
2.52		5034	3844
2.548		50096	41910
2.615	TCX	2095972	1232164
2.659		11252	8513
2.714		2561	1925
2.786		21271	21438
2.833		32990	27072
2.899		39655	26703
2.947		4919	3378
2.993		1083	788
3.01		13291	8569
3.08		624	139
3.091		663	101
3.106		39090	19406
3.117		6836	3830
3.142		995	194
3.156		3912	2162
3.178		29490	17512
3.204		935	430
3.229		66085	44223
3.264		55354	34094
3.291		5834	2813
3.311		7121	3816
3.325		4186	2445
3.352		2925	1622
3.375		13703	7022
3.385		6697	2739
3.405		12487	6075
3.421		91707	80318
3.451		1068	443
3.47		418	118
3.495		63463	40921
3.528		477655	290176
3.552		246582	141305
3.569		12207	5151
3.587		9963	5879
3.63		1725	561
3.655		317425	199275
3.679		30920	16550
3.699		68989	42599
3.728		112944	60442
3.745		102579	56157
3.785		46725	37503
3.825		40052	37946
3.855		98586	58319
3.877		1008862	680438
3.902		110525	61108

RT B	Compound B	Height B	Area B
3.921		111133	61897
3.941		190281	114466
3.975		927601	642882
4.007		360708	220007
4.024		236583	125721
4.085		74704	56100
4.119		373485	281878
4.151		5617	2555
4.176		745120	536575
4.209		200904	153046
4.236		1281075	953961
4.274		99571	92688
4.328		625229	534019
4.364		91018	68363
4.397		718311	537125
4.42		106894	64949
4.463		489884	366283
4.488		22131	12188
4.562		446092	447720
4.615		555731	443329
4.654		142825	134119
4.693		825480	828725
4.739		69678	43154
4.762		29767	19187
4.823		9684	10683
4.86		3008	1566
4.88		41848	30421
4.912		48236	32252
4.936		275146	214226
4.986		28769	23726
5.021		29297	23318
5.054		27907	23373
5.084		123216	87878
5.105		88928	56793
5.124		15399	8035
5.177		40952	34706
5.297		1399	1145
5.319		5333	4640
5.362		120591	122617
5.408		1286	636
5.469		1724	1657
5.491		1208	641
5.518		37930	35427
5.568		2399	2322
5.586		54128	44998
5.636		18421	16382
5.685		1176	1741
5.718		1373	1230
5.743		9004	7290
5.777		870	370
5.796		2955	3570
5.873		2405	7736
5.908		1542	1168
5.941		32836	28024
5.986		2723	3864
6.019		1979	1445
6.055		4032	3377
6.098	DCB	2242583	2036045
6.16		19135	33424
6.209		934	584
6.254		4317	10359
6.279		2013	1013
6.327		1896	1734
6.352		928	479
6.44		1651	3093
6.452		1428	498

RT B	Compound B	Height B	Area B
6.471		1301	621
6.512		1019	1063
6.524		1270	530
6.559		1590	2113
6.597		1649	1700
6.614		1584	717
6.649		1379	506
6.691		1723	3231
6.714		1674	990
6.733		2542	1194
6.772		2419	1648
6.808		2204	2068
6.822		1867	573
6.853		1843	2846
6.894		1847	2841
6.908		1292	1516
6.938		1340	1264
6.987		883	327

AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082

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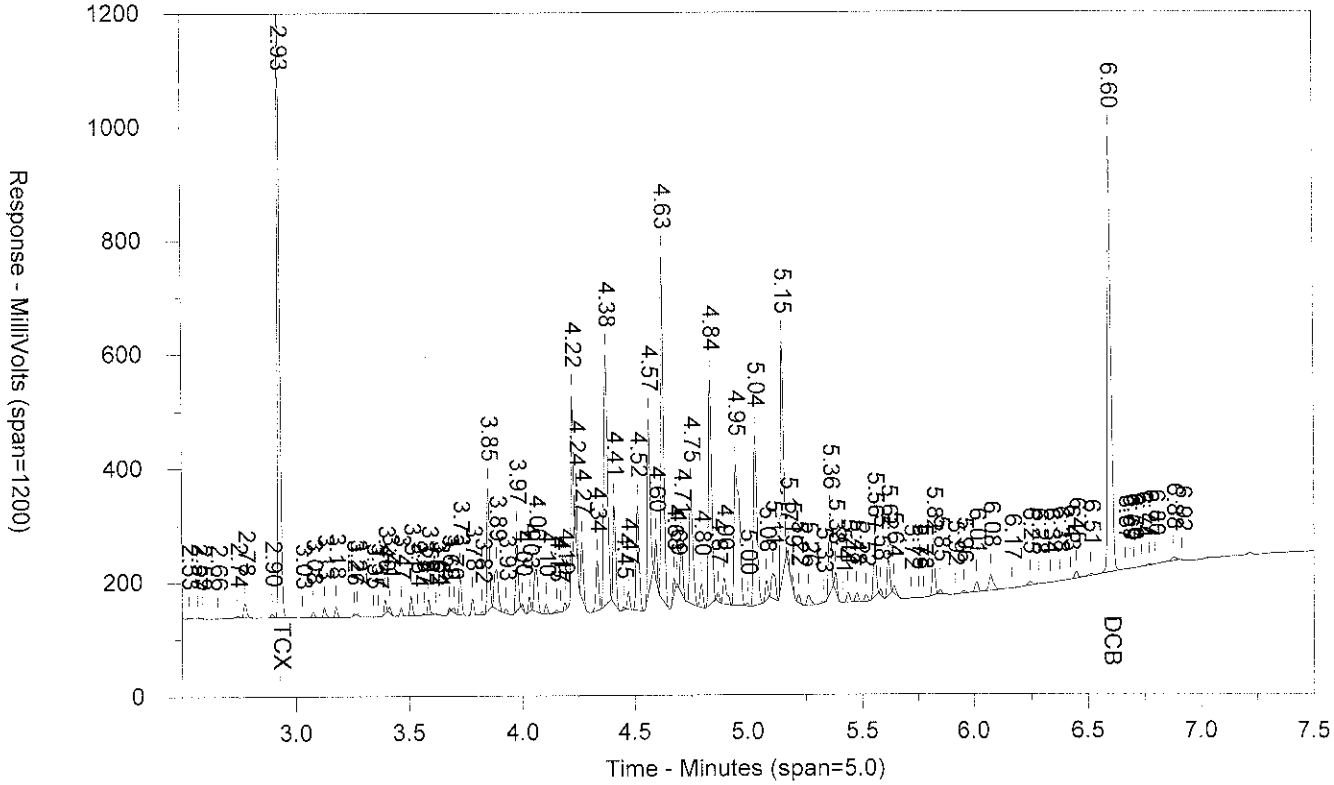

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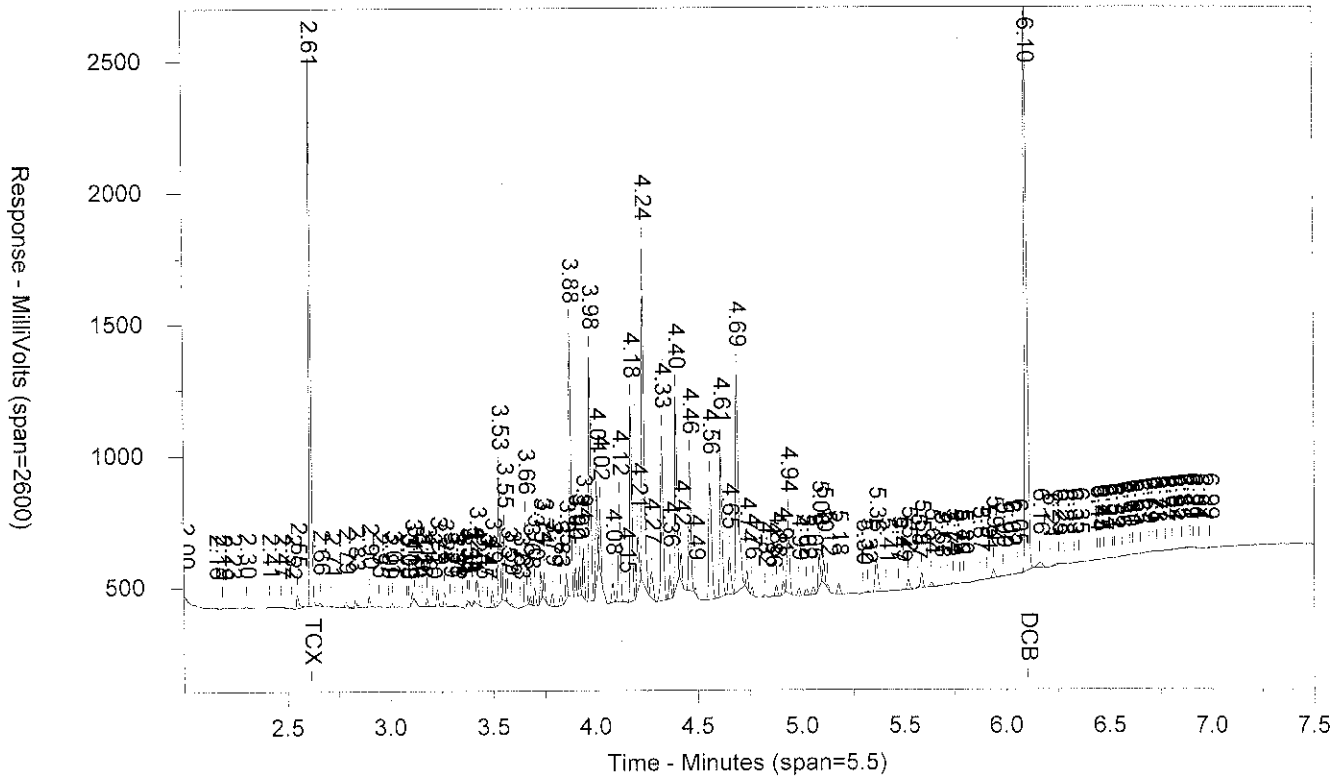

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:03:58 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	1163410	7.711	TCX	2.615	2095972	7.693	TCX
6.6	766132	7.948	DCB	6.098	2242583	7.408	DCB

Files:
Area File: 25PCBS17284001.021.RAW
Area File: 25PCBS17284001B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:17 PM
File Reported On: 10/12/2017 at 3:35:25 PM

AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082

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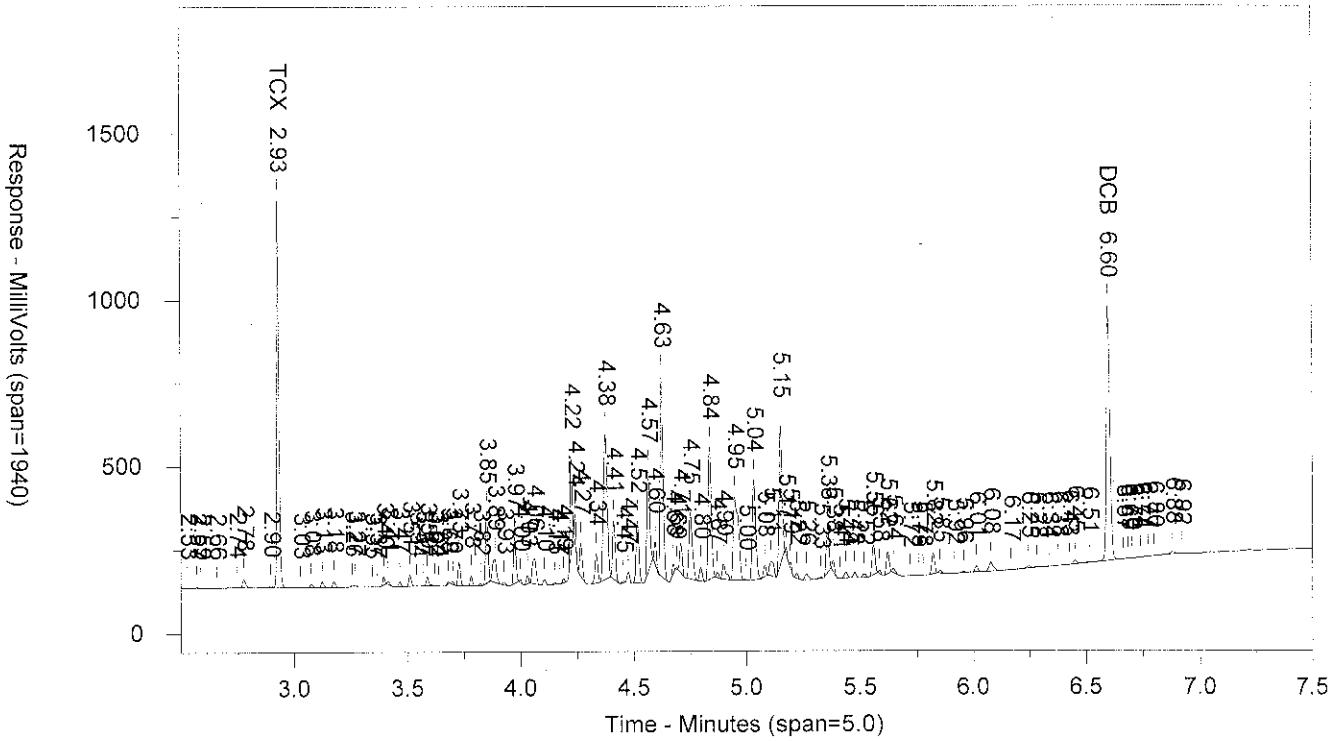

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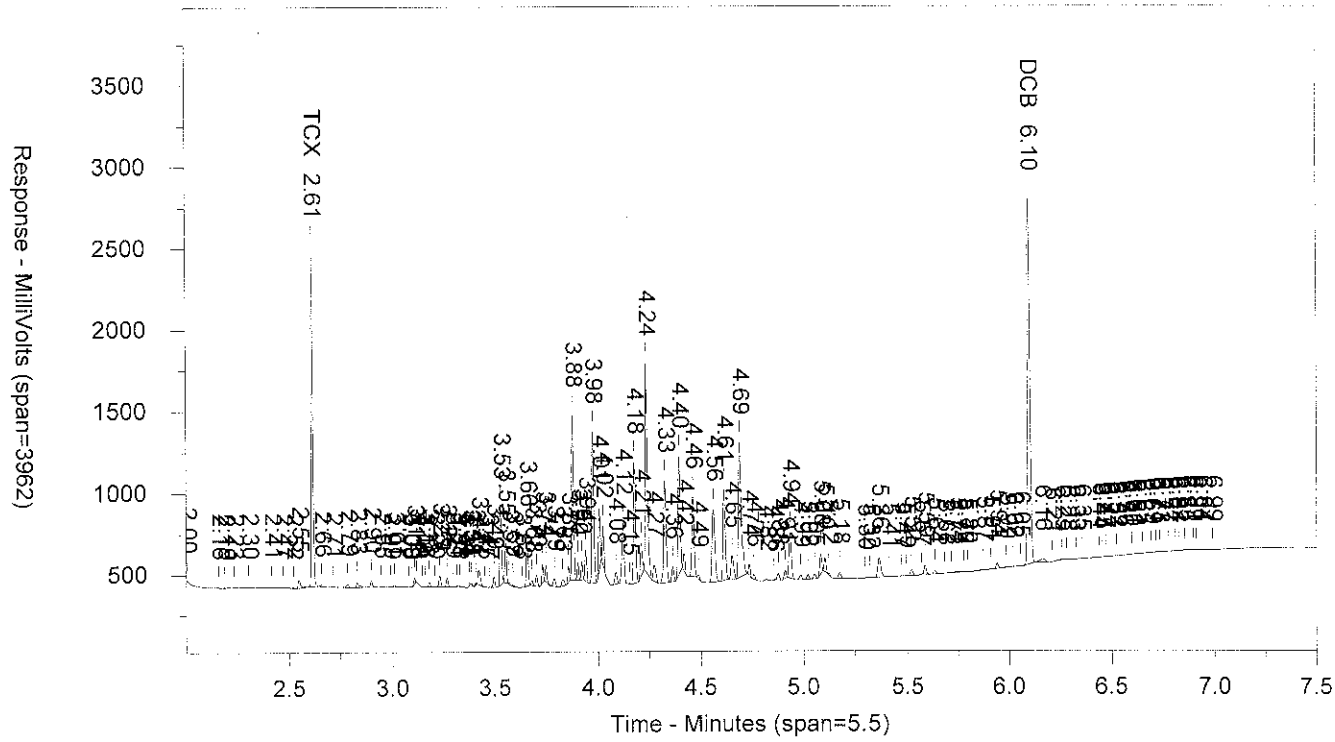

AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082

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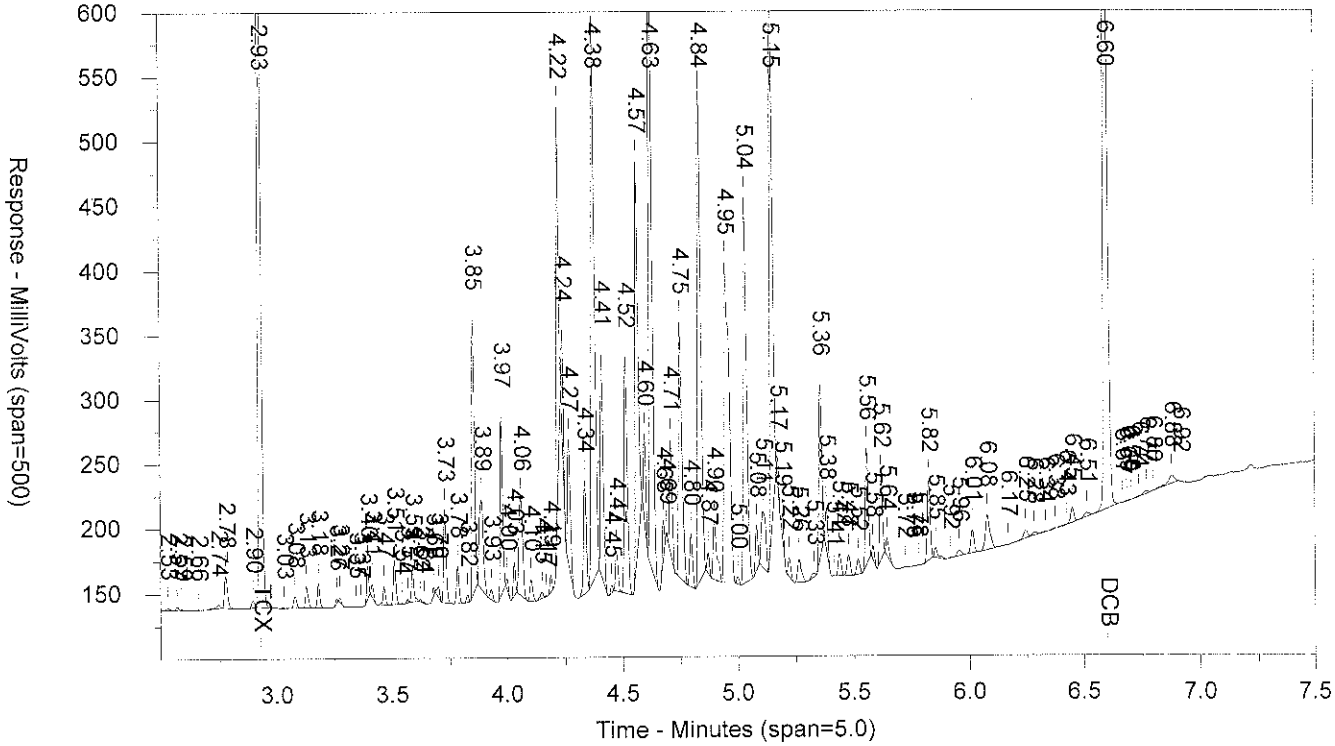

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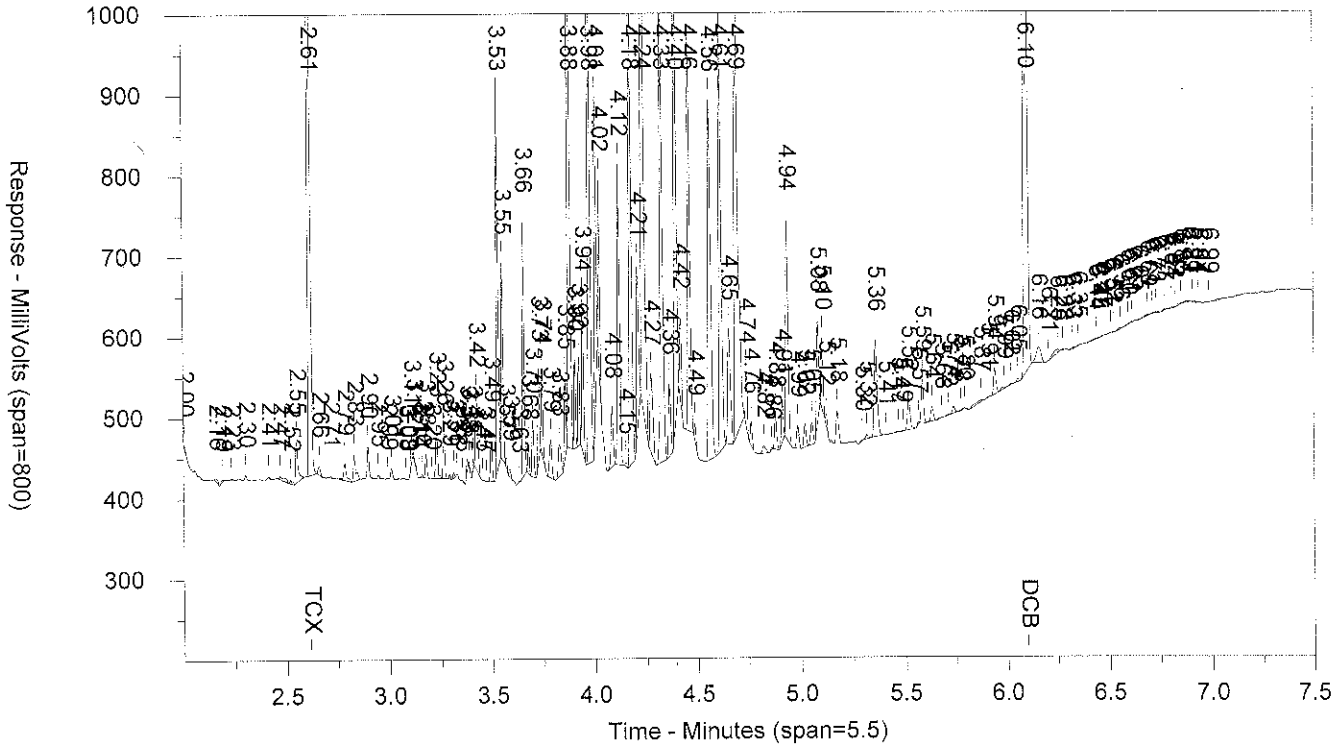

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:15:19 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		12141	11489
2.089		10449	23722
2.23		14011	11721
2.299		812	638
2.33		12649	12435
2.431		1363	961
2.489		8442	8400
2.529		1486	1585
2.569		6468	5257
2.647		569	636
2.745		2622	3935
2.777		12055	10952
2.852		799	766
2.895		6275	5151
2.93	TCX	2908326	1997845
3.027		829	353
3.076		21416	19211
3.126		38428	31594
3.178		44374	33174
3.258		6386	3548
3.274		10417	6311
3.367		414	279
3.396		58206	35429
3.414		22756	17123
3.45		1556	684
3.465		31453	20930
3.509		83260	60952
3.537		562	336
3.566		6749	4216
3.586		64503	44667
3.62		5805	3005
3.635		2735	1424
3.677		15332	8585
3.699		19282	14710
3.727		168576	132322
3.782		69253	52305
3.824		14542	9860
3.852		474180	370895
3.886		157037	200110
3.927		13794	11252
3.975		315375	242514
3.999		18689	10037
4.03		61938	42355
4.06		168674	208203
4.103		40740	33188
4.149		15091	13562
4.188		31003	20511
4.223		651550	466654
4.241		206563	114665
4.267		202758	170765
4.335		196572	173859
4.377		1021355	1172665
4.411		398751	324041
4.451		13366	8332

RT A	Compound A	Height A	Area A
4.474		74983	57531
4.515		430019	391790
4.565		734734	626691
4.596		155824	107393
4.626		1432645	1262315
4.675		66934	47516
4.69		11658	4203
4.709		193895	153568
4.751		436075	470976
4.797		98478	88551
4.837		1001875	930360
4.871		35705	25419
4.898		103775	123622
4.949		557921	891623
5		13618	9766
5.035		680271	769717
5.082		85768	66302
5.111		103655	142362
5.154		1030860	1082671
5.192		34869	20885
5.22		33976	27711
5.263		42944	49994
5.331		3545	4776
5.359		307093	264391
5.382		66728	48450
5.414		1748	923
5.439		41976	36683
5.478		39592	37477
5.518		28892	27279
5.557		206096	187350
5.582		25421	17839
5.618		146005	126278
5.643		30795	24566
5.721		1260	1939
5.747		350	212
5.768		462	251
5.822		141313	134734
5.852		20967	21102
5.956		6742	9493
6.014		44865	44294
6.077		67230	88694
6.151		521	465
6.174		478	200
6.247		13600	15726
6.287		2200	2945
6.351		890	479
6.363		697	285
6.387		716	507
6.451		30136	32365
6.514		5437	8585
6.6	DCB	1802212	1833602
6.663		509	230
6.703		438	358
6.718		523	282
6.732		520	336
6.766		3049	3427
6.818		623	507
6.852		772	502
6.881		6490	9183
6.955		620	143

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:15:19 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		11796	9351
2.106		1381	1807
2.143		5579	11655
2.211		2464	9187
2.228		2213	2607
2.269		1677	1749
2.301		13013	10162
2.407		2922	4167
2.496		6654	9074
2.547		28766	35120
2.614	TCX	5074823	3038356
2.659		25130	18806
2.714		2287	1924
2.786		49707	39265
2.832		75491	62580
2.899		89687	57430
2.947		12294	7269
3.009		30508	20245
3.066		415	113
3.079		812	216
3.105		88667	44847
3.116		16002	9127
3.156		9528	5076
3.177		68407	41782
3.203		1698	725
3.228		147133	92480
3.263		131194	78988
3.291		14204	7020
3.311		17184	9128
3.326		9237	4628
3.375		35036	16115
3.385		20131	7309
3.405		32207	13898
3.42		206929	182617
3.494		144406	92524
3.528		1057633	655516
3.552		545133	317378
3.569		30030	12407
3.587		23863	13911
3.631		1513	1003
3.655		687735	452615
3.678		76394	38264
3.699		152858	100075
3.728		253113	137655
3.744		230594	121286
3.785		111947	88750
3.825		94074	88770
3.855		225941	133997
3.876		2379215	1553624
3.902		258226	142627
3.921		250489	137348
3.941		415555	252898
3.976		2226026	1506652
4.007		845704	511430

RT B	Compound B	Height B	Area B
4.024		557444	288243
4.085		167339	119268
4.119		857760	647287
4.151		12645	5773
4.176		1739273	1289669
4.209		480156	346131
4.236		3092961	2315299
4.274		216401	212157
4.327		1496082	1247894
4.364		212778	161865
4.396		1845659	1328704
4.42		260919	159204
4.438		3925	1288
4.462		1138851	847843
4.488		52744	29714
4.562		1038036	1046045
4.614		1358951	1093306
4.654		339612	314163
4.692		2049162	1921365
4.738		159396	100360
4.762		72831	46944
4.822		22539	25948
4.861		7572	4043
4.879		93251	72684
4.912		105509	72252
4.936		637292	498556
4.985		70943	61558
5.021		71197	53854
5.054		65484	55491
5.083		299001	218956
5.105		197379	133420
5.124		32675	15994
5.178		94482	81357
5.237		1093	555
5.295		3314	2464
5.32		12409	9807
5.361		279860	284196
5.413		672	308
5.463		1411	917
5.484		1047	344
5.518		91367	83599
5.566		6067	3933
5.586		127860	102784
5.636		42893	37365
5.678		1275	1206
5.742		20507	18313
5.796		3517	4584
5.842		1803	2929
5.869		1756	1767
5.912		3037	3145
5.94		81050	68080
5.975		1520	1060
5.991		1442	497
6.015		1297	658
6.029		1441	490
6.053		4112	3694
6.098	DCB	5270613	4716730
6.162		21549	33101
6.245		6362	11115
6.28		3163	3785
6.324		1591	1254
6.339		995	454
6.376		955	1037
6.431		988	1334
6.451		1334	408
6.485		1460	2026

RT B	Compound B	Height B	Area B
6.514		1155	1300
6.55		6443	5982
6.588		1211	1341
6.618		1863	1102
6.639		1411	848
6.674		1784	2054
6.715		1335	589
6.738		2105	2972
6.813		2193	5822
6.854		1457	3016
6.881		2231	3396
6.91		1508	607
6.97		2306	1976
6.982		1354	378

AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082

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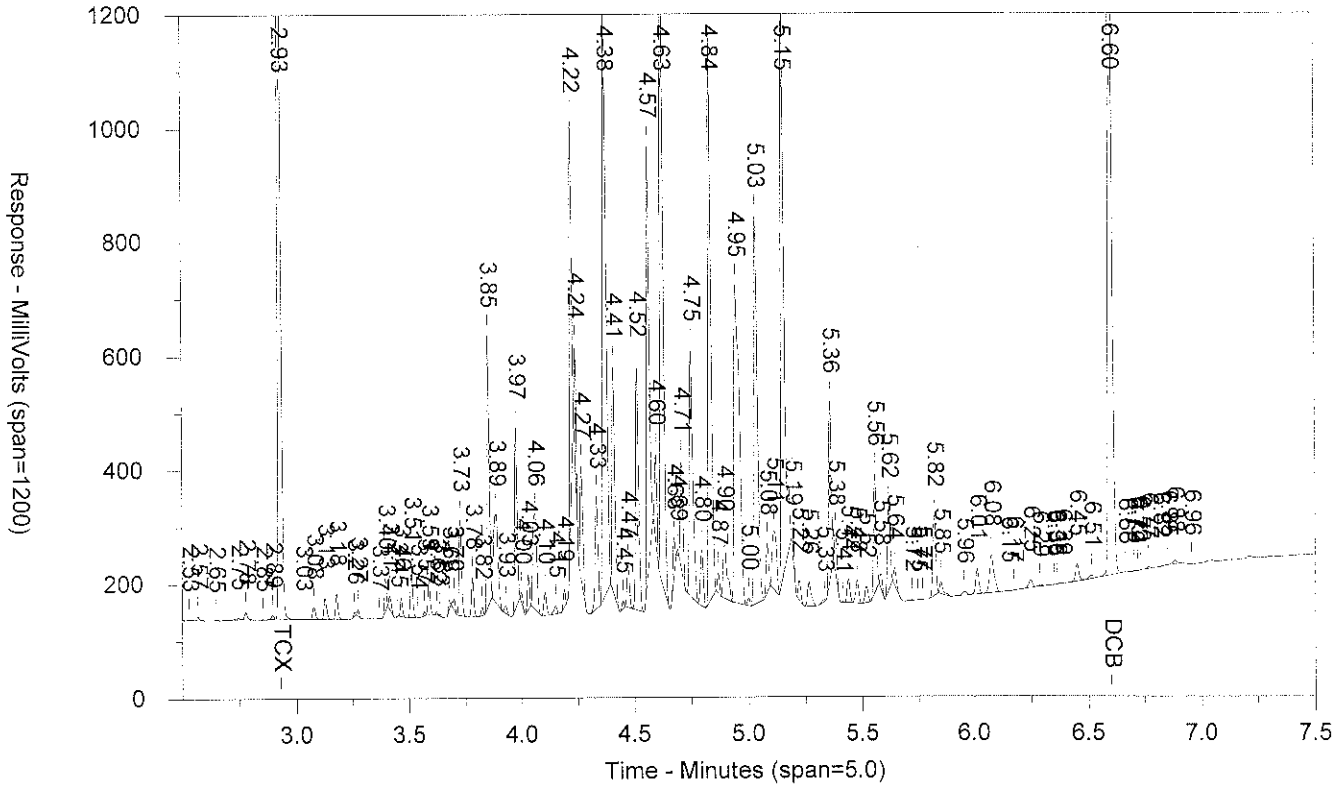

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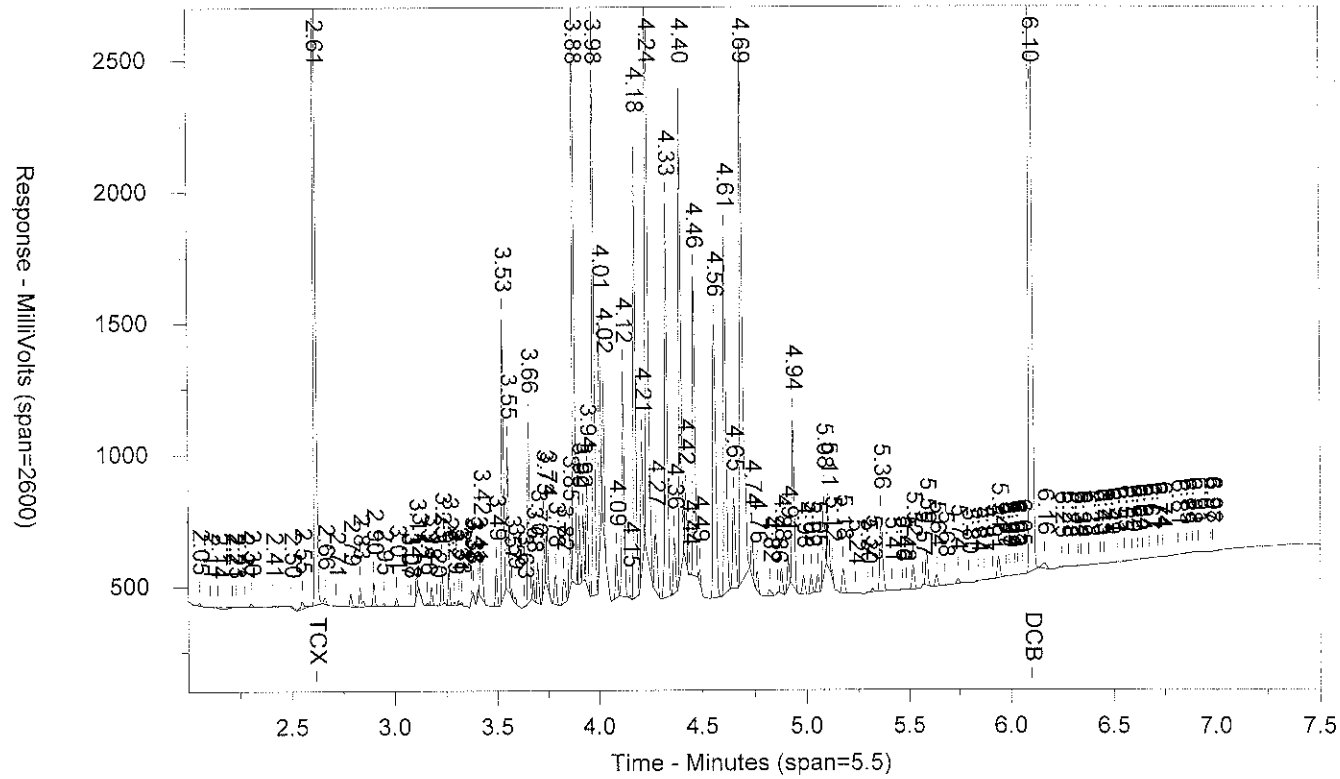

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:15:19 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2908326	19.277	TCX	2.614	5074823	18.628	TCX
6.6	1802212	18.697	DCB	6.098	5270613	17.41	DCB

Files:
Area File: 25PCBS17284001.022.RAW
Area File: 25PCBS17284001B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:18 PM
File Reported On: 10/12/2017 at 3:35:47 PM

AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082

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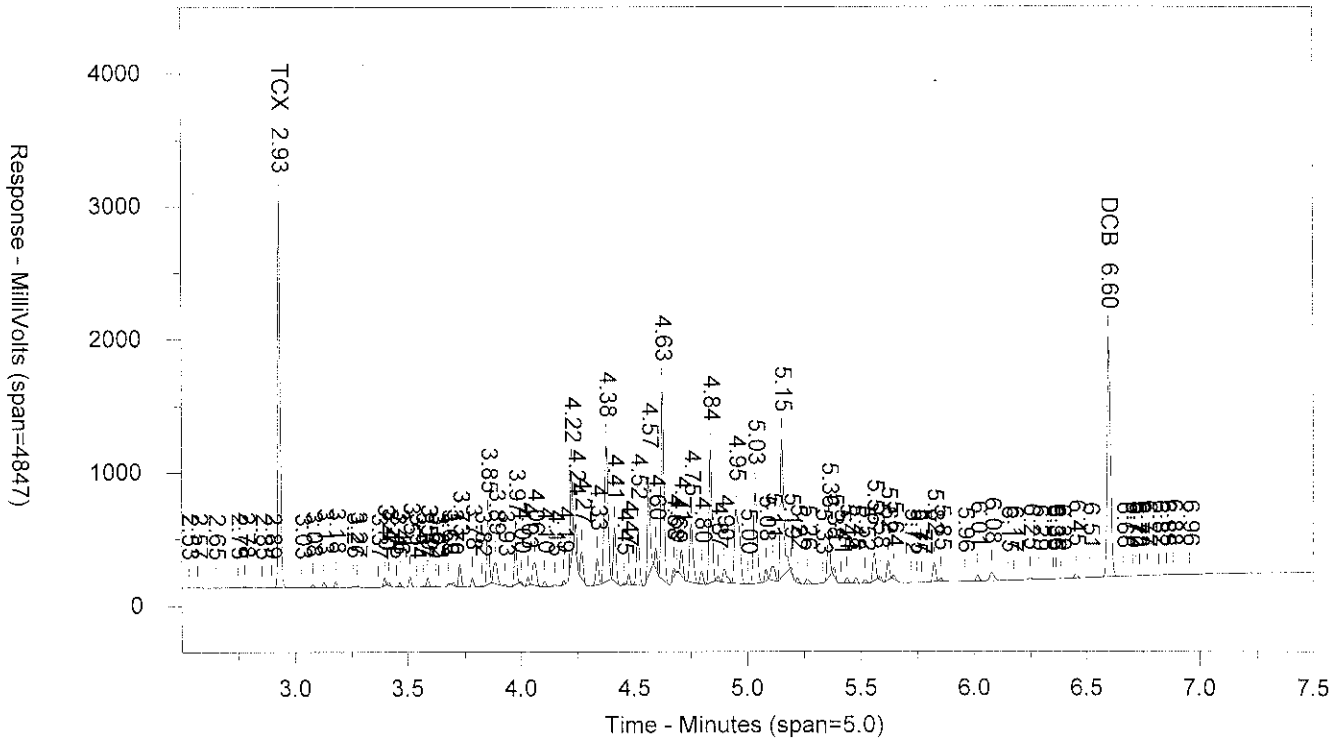

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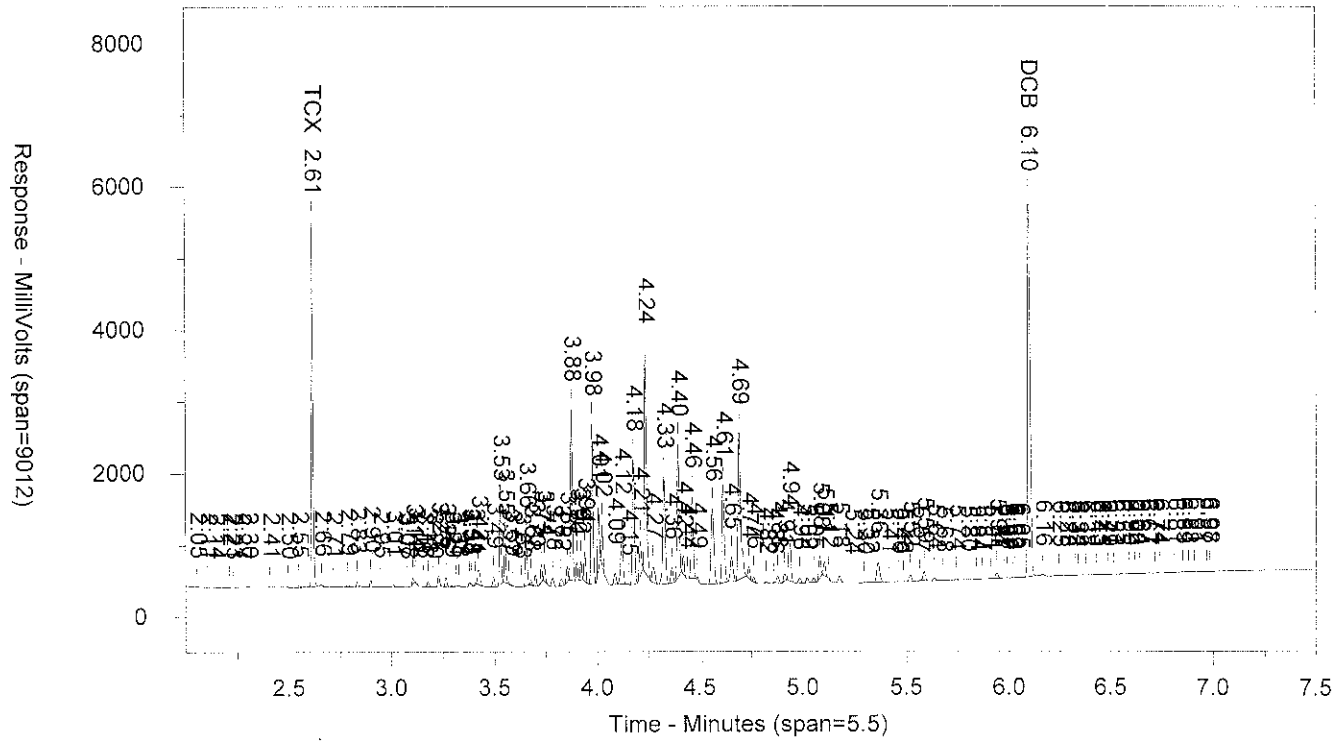

AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082

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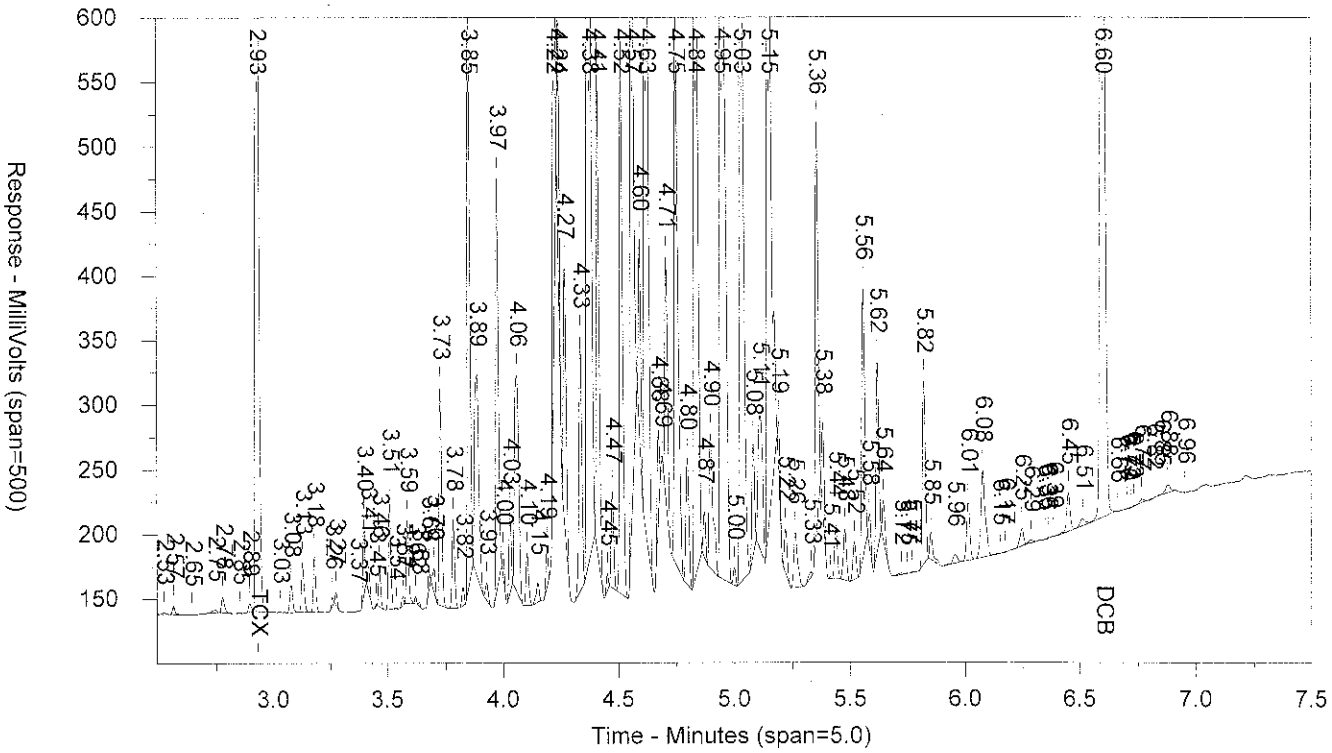

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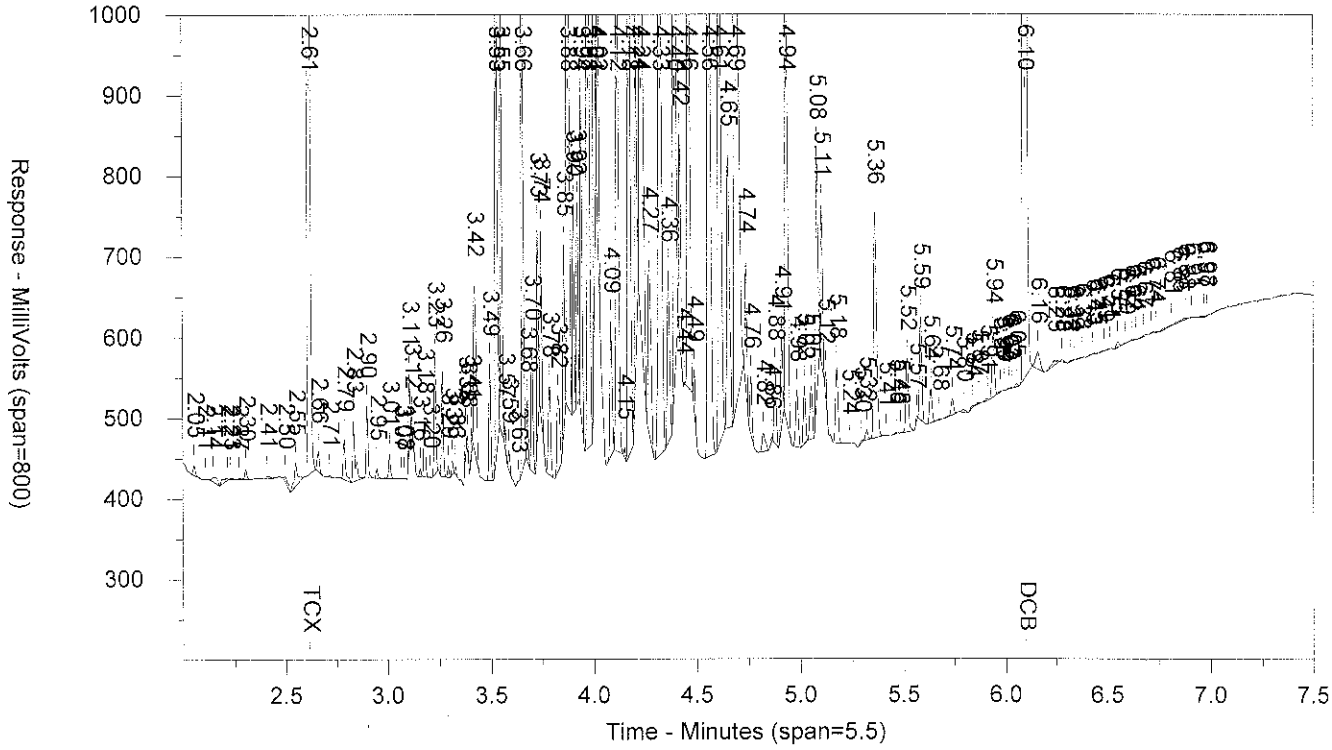

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:26:36 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		14061	13706
2.088		15378	38539
2.23		28006	22129
2.301		668	614
2.336		15718	19905
2.431		2474	2067
2.49		9357	9335
2.531		1636	1519
2.569		11015	8806
2.679		470	230
2.709		596	345
2.746		2458	2725
2.777		17455	16372
2.844		979	945
2.895		6689	5324
2.93	TCX	6028539	4060843
3.027		1524	1000
3.048		611	319
3.077		40356	35868
3.126		75690	62055
3.179		86162	63161
3.257		10290	5683
3.274		20337	12529
3.315		717	481
3.372		212	198
3.396		107686	67277
3.413		43912	32959
3.45		2829	1381
3.465		61038	39799
3.509		153275	114599
3.565		13135	8162
3.586		121640	85425
3.62		13115	7081
3.635		5443	2430
3.678		26951	14831
3.69		3665	1210
3.698		23078	11714
3.726		312342	250912
3.781		128139	100159
3.824		26450	17971
3.851		919415	707523
3.886		292069	368785
3.926		19338	15160
3.974		607822	460490
3.998		36097	20515
4.03		115285	81743
4.058		330064	395340
4.103		79732	65392
4.15		29579	30477
4.188		63497	41604
4.223		1227426	867215
4.24		382680	207946
4.266		383667	312864
4.334		372014	326705

RT A	Compound A	Height A	Area A
4.377		2031800	2292434
4.411		734003	611934
4.451		25995	16373
4.473		137702	110184
4.515		809429	748516
4.565		1408853	1243611
4.595		316981	207555
4.625		2848828	2514456
4.675		123735	90823
4.69		22159	7814
4.708		367009	287592
4.751		871733	886428
4.796		184367	170085
4.837		1946355	1840045
4.871		72751	50725
4.897		190955	238766
4.949		1077772	1691081
5		28174	19890
5.034		1474181	1531785
5.082		155813	120951
5.113		191974	257182
5.154		1903509	1740631
5.174		68440	33152
5.192		63563	42993
5.22		66473	52528
5.263		84214	98686
5.333		3000	2369
5.358		568682	499774
5.381		128581	93032
5.413		3610	1749
5.438		80025	72243
5.477		78011	74644
5.517		57026	54479
5.556		379275	359692
5.582		49090	33288
5.618		267485	236361
5.642		55912	42092
5.719		2304	3664
5.779		831	1015
5.82		262475	251964
5.851		42880	42424
5.922		1090	926
5.957		5523	6730
6.014		79208	80738
6.076		117392	162627
6.144		316	339
6.201		457	631
6.246		21487	22794
6.288		2823	3509
6.318		668	324
6.345		516	150
6.359		608	271
6.377		1244	1093
6.423		607	550
6.45		51188	52904
6.512		4755	7603
6.599	DCB	3444204	3592300
6.666		936	800
6.688		503	594
6.739		637	896
6.768		2488	2871
6.835		690	911
6.878		7831	17597
6.981		1169	776

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:26:36 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		21873	17086
2.147		8264	14657
2.186		5162	4081
2.208		1288	831
2.273		1806	1762
2.302		22102	16426
2.412		3325	3921
2.467		5699	21860
2.534		2846	1374
2.547		35303	30360
2.614	TCX	10606670	6187181
2.659		42787	32577
2.786		92290	68630
2.832		138185	110326
2.899		161887	105058
2.947		22713	13687
3.01		54666	34360
3.08		560	86
3.105		160780	82617
3.116		30560	19373
3.156		16215	9091
3.178		123001	76782
3.202		2786	1501
3.228		274790	168019
3.243		5107	1684
3.263		241585	146722
3.291		27760	14661
3.31		33583	18375
3.325		13921	6557
3.352		3202	1741
3.375		61910	28675
3.384		37118	14528
3.405		56477	25821
3.42		385118	340806
3.494		267724	171954
3.528		2042321	1252118
3.551		1049398	595369
3.569		53170	22000
3.587		47899	28187
3.634		1271	1363
3.655		1374396	861797
3.678		134081	71634
3.699		296793	184013
3.728		474312	257876
3.744		444153	235679
3.784		207296	166954
3.825		169040	166236
3.854		436998	260418
3.876		4804821	3103630
3.901		518753	278935
3.921		494319	268453
3.94		849192	493031
3.975		4429428	2988188
4.007		1673547	1010892

RT B	Compound B	Height B	Area B
4.024		1082274	559697
4.085		316420	223294
4.118		1634443	1256708
4.15		20101	9800
4.175		3556432	2597975
4.209		939879	688514
4.235		6433314	4683692
4.274		432512	405402
4.327		3002234	2467948
4.364		415429	315021
4.395		4104816	2764889
4.42		527529	316366
4.437		12324	3842
4.463		2288354	1667471
4.488		108292	64674
4.561		2078697	2052161
4.614		2847807	2250699
4.653		637929	605090
4.692		4070225	3872039
4.738		311835	197143
4.762		132853	89245
4.821		47822	52764
4.861		10917	6381
4.878		180256	139522
4.911		211792	140756
4.935		1240641	985103
4.985		144204	127580
5.02		129003	102151
5.053		125630	104661
5.083		630336	444382
5.104		420311	269274
5.123		57799	32652
5.145		9465	5562
5.178		180611	155875
5.219		1249	755
5.242		3730	6798
5.297		2610	2268
5.319		23902	18751
5.361		555740	557885
5.464		2831	2106
5.481		1551	515
5.518		160670	141826
5.565		15744	9517
5.585		229911	183539
5.635		85009	71162
5.683		1767	1682
5.742		36736	31825
5.775		1169	538
5.795		1241	722
5.837		2671	2265
5.871		2211	2663
5.908		2159	2875
5.94		139098	115745
5.972		2555	1141
5.99		1221	874
6.036		601	1492
6.055		4906	3780
6.097	DCB	11297440	9303154
6.159		18257	28442
6.248		4999	9812
6.28		3272	3935
6.322		1387	795
6.362		1281	1807
6.4		903	493
6.447		1641	3581
6.489		1391	1945

RT B	Compound B	Height B	Area B
6.511		2191	2221
6.548		12237	10442
6.589		865	346
6.64		966	3756
6.674		2204	1879
6.723		3444	6706
6.771		1795	1083
6.821		1322	264
6.845		2208	1978
6.876		2230	1633
6.913		913	700
6.963		1970	2185
6.986		1383	341

AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082

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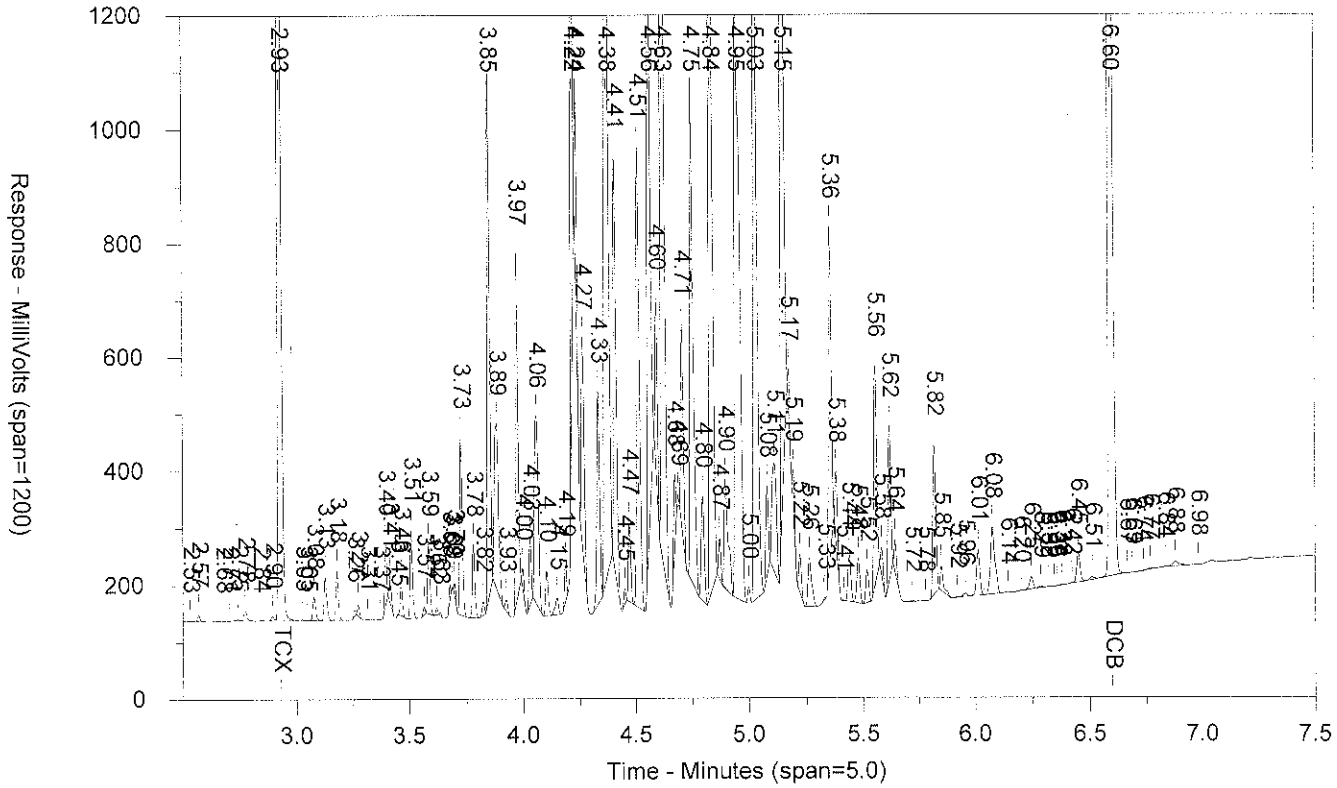

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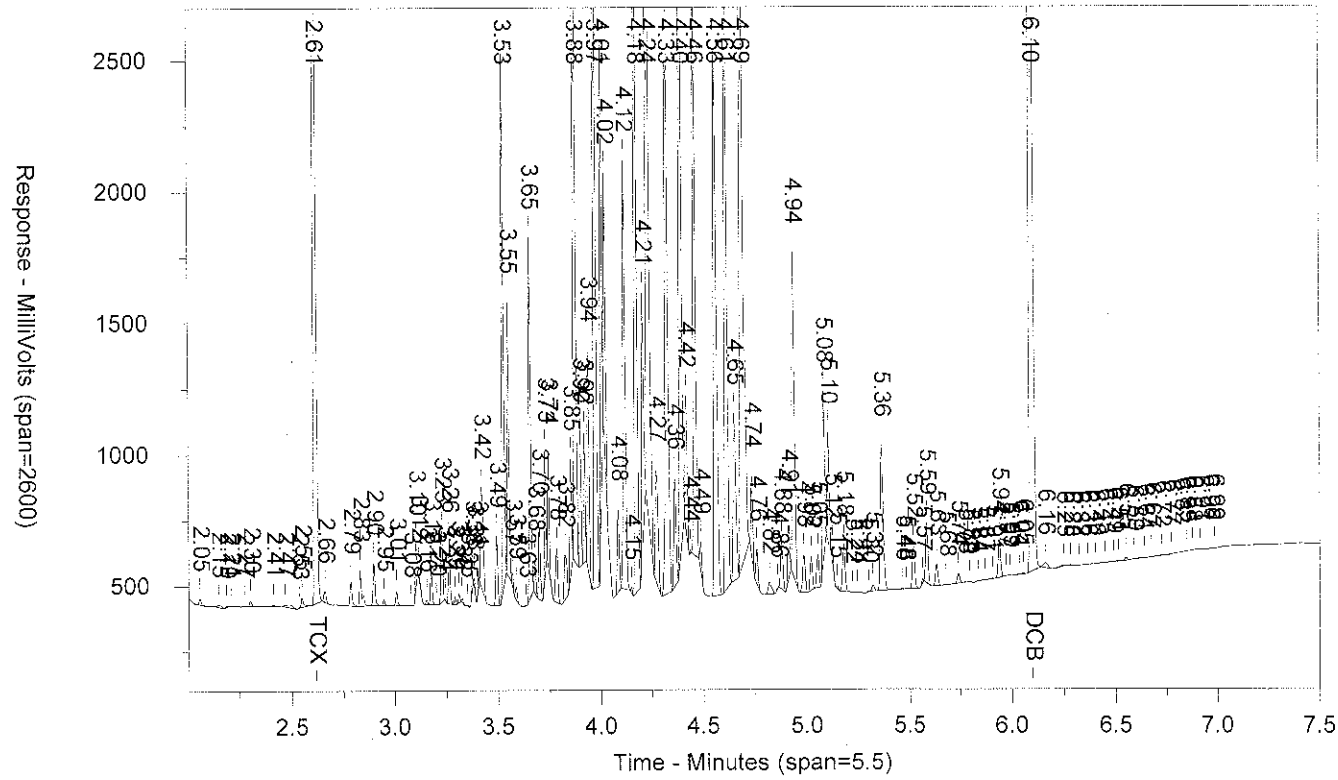

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:26:36 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	6028539	39.958	TCX	2.614	10606670	38.933	TCX
6.599	3444204	35.731	DCB	6.097	11297440	37.318	DCB

Files:
Area File: 25PCBS17284001.023.RAW
Area File: 25PCBS17284001B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:18 PM
File Reported On: 10/12/2017 at 3:36:05 PM

AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082

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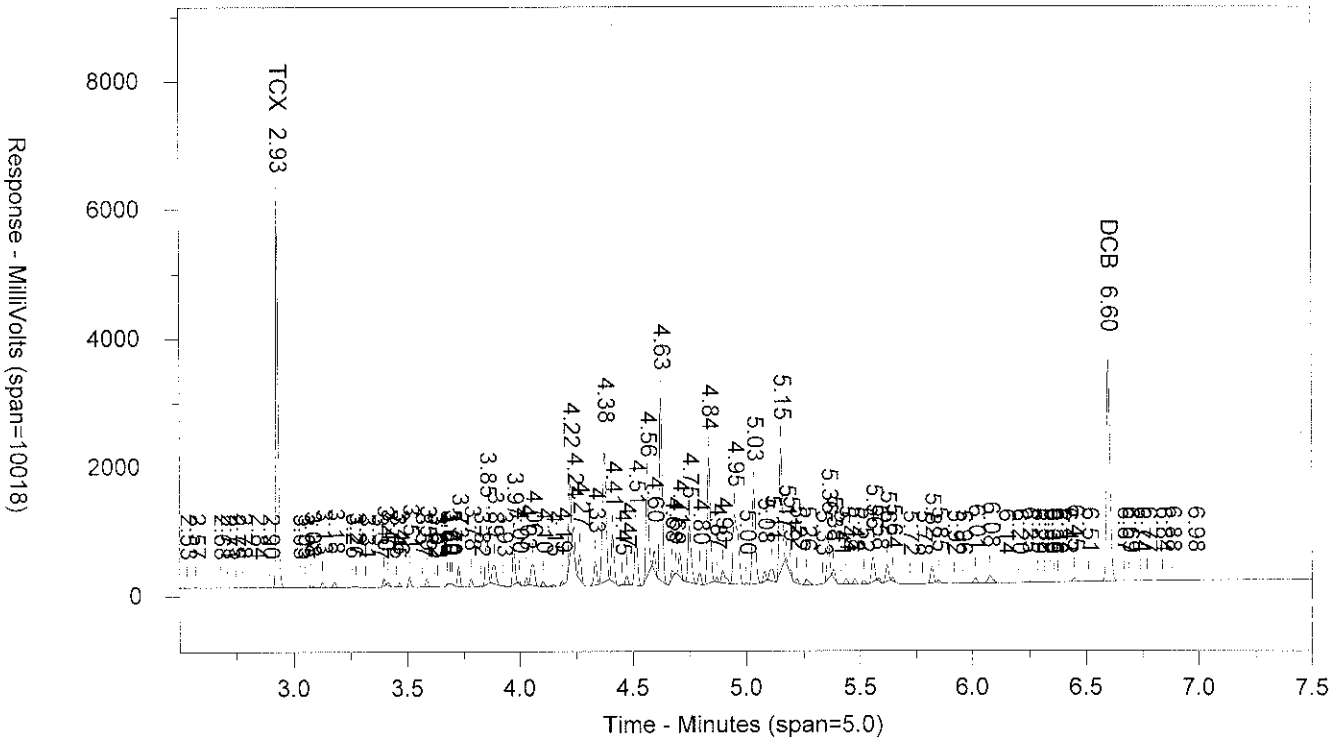

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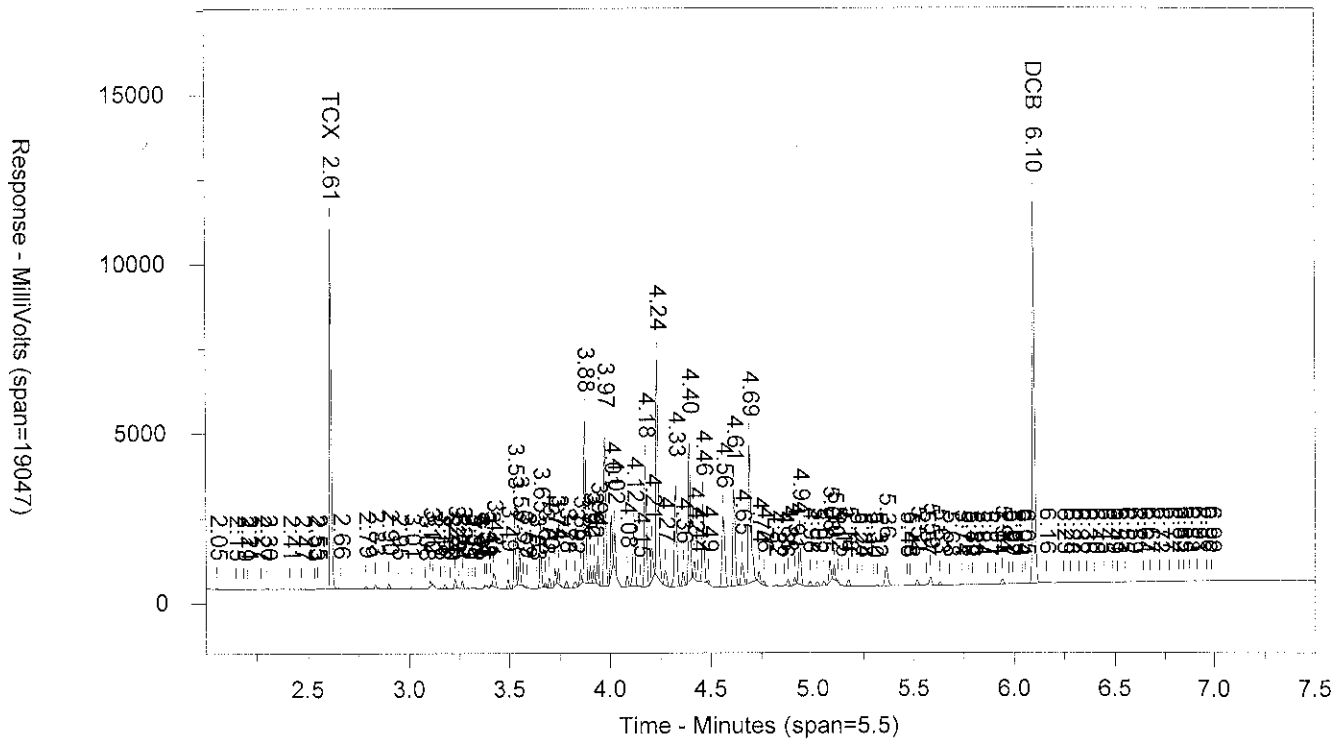

AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082

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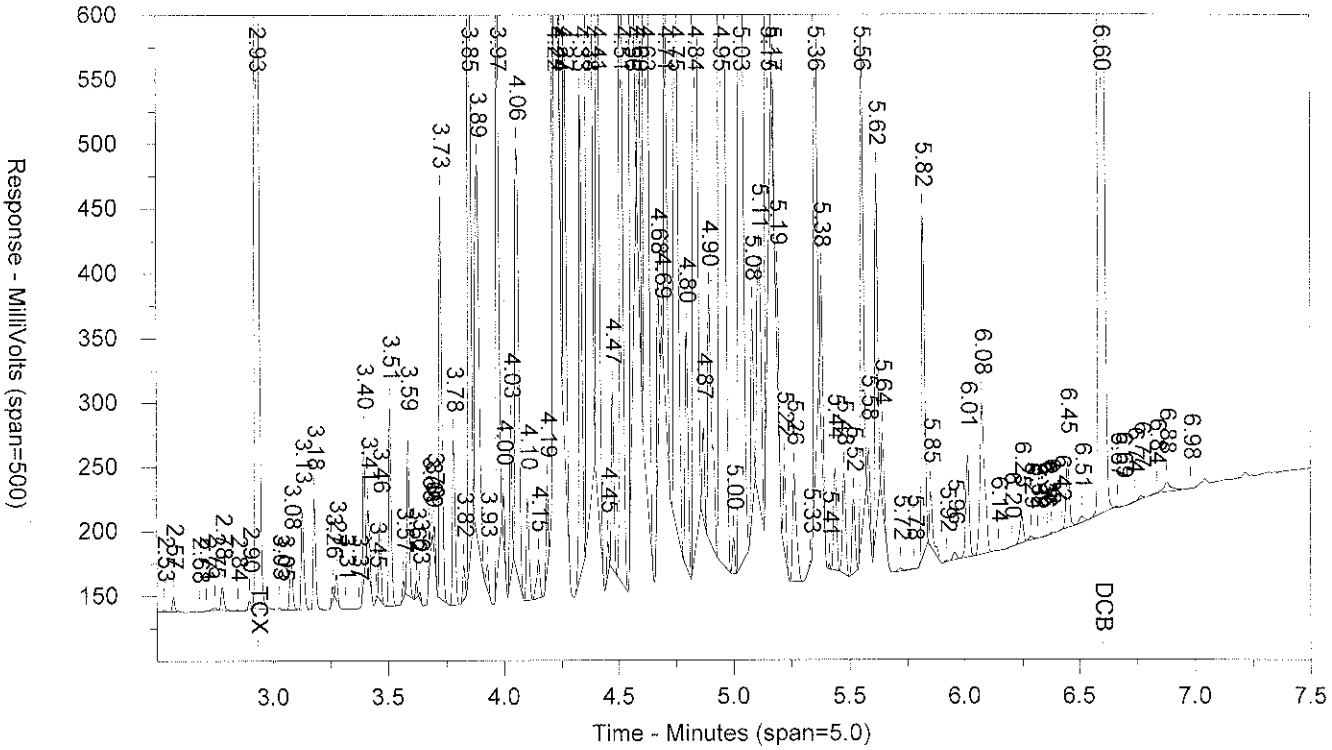

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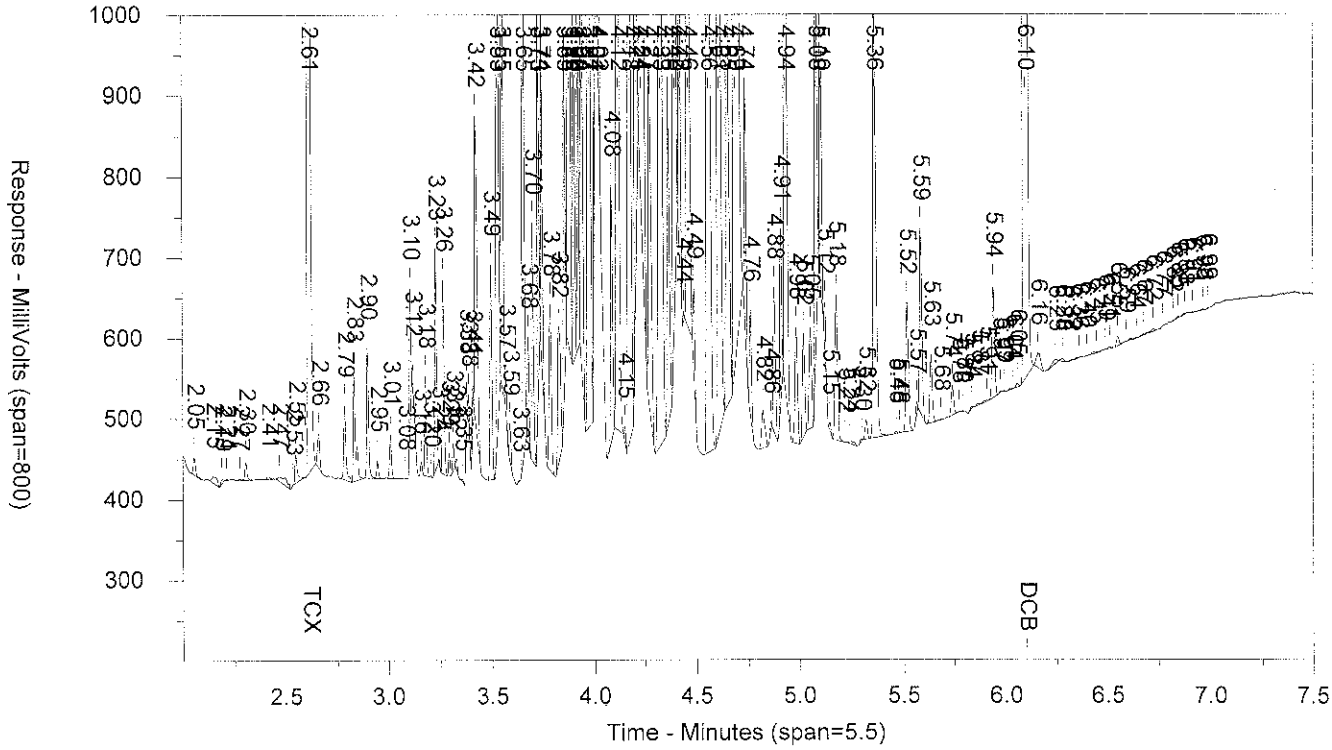

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:37:51 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		10244	9589
2.088		34792	82885
2.23		53256	41675
2.338		25873	28665
2.431		4713	3799
2.49		6989	7079
2.531		1473	1291
2.569		19000	15261
2.659		562	551
2.708		459	217
2.747		2369	2757
2.778		31587	32622
2.844		1426	1353
2.895		4290	3269
2.93	TCX	11836510	8162060
3.028		2858	1769
3.077		73616	65628
3.127		148681	120206
3.18		156391	118035
3.257		17151	9493
3.274		37411	23020
3.315		1649	1635
3.363		474	323
3.396		191783	118101
3.414		82553	62970
3.45		4735	2112
3.465		109696	72469
3.51		266774	207575
3.566		23547	14687
3.586		213045	152570
3.62		25390	14855
3.635		9853	5232
3.678		52488	28979
3.69		5575	2658
3.699		35918	18143
3.727		588095	472607
3.782		232030	183708
3.824		50965	35151
3.852		1831602	1374214
3.887		551184	682693
3.926		30982	22223
3.974		1168480	892674
3.998		68929	39510
4.03		214546	148865
4.061		608609	748008
4.103		150948	126692
4.149		62243	61075
4.188		107838	75301
4.223		2592958	1782664
4.24		826722	438162
4.266		698858	596636
4.335		726552	622651
4.377		4135813	4572951
4.411		1478328	1187486

RT A	Compound A	Height A	Area A
4.451		51350	32109
4.473		264142	204924
4.514		1556493	1450610
4.565		2765197	2485062
4.595		599071	397914
4.626		5663342	5089828
4.676		215995	162990
4.69		40628	14649
4.709		736099	571520
4.751		1692597	1729929
4.796		353988	322004
4.837		3835777	3686513
4.87		131486	92960
4.897		345064	441768
4.949		2139316	3281507
5		51198	39156
5.034		2935827	3084307
5.082		287463	222435
5.111		335343	478271
5.152		3948457	3503635
5.174		164446	82743
5.192		118755	71463
5.22		119153	96335
5.263		154259	192098
5.358		1145706	983727
5.382		245608	175340
5.413		7031	3636
5.438		146828	135588
5.476		143259	142142
5.517		111329	106935
5.556		766195	701110
5.582		97283	64802
5.617		525178	446761
5.641		98051	73653
5.715		3928	6260
5.777		989	937
5.821		487001	467823
5.851		74592	76018
5.921		2418	2740
5.956		3644	4616
6.013		152366	161946
6.078		226999	317974
6.17		652	407
6.193		532	273
6.246		35047	35655
6.291		3043	3709
6.357		444	142
6.378		2023	2178
6.422		1005	893
6.45		97430	103205
6.522		2324	5104
6.6	DCB	6870984	6898922
6.684		755	339
6.732		909	763
6.776		840	1262
6.816		556	164
6.854		753	717
6.881		5481	6123
6.974		499	431

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:37:51 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1561	1934
2.055		43281	32968
2.145		12018	15970
2.187		5927	8685
2.303		36561	27127
2.412		3802	5039
2.467		6494	32683
2.533		4934	2731
2.548		69578	66273
2.615	TCX	21526280	12521460
2.659		70958	53738
2.786		158582	116345
2.833		256484	197693
2.899		286893	188027
2.948		44255	25667
3.01		94371	60263
3.061		757	468
3.083		987	165
3.089		632	130
3.105		288673	147646
3.116		61870	35901
3.157		30413	16440
3.178		214914	132672
3.202		5721	2669
3.228		485518	337576
3.264		432318	257177
3.291		50618	26447
3.31		62930	34686
3.325		25049	11747
3.345		1010	219
3.375		108089	54279
3.385		72792	25288
3.405		114982	48959
3.42		713516	629770
3.494		486022	310722
3.528		4107528	2440819
3.551		2040814	1124316
3.569		103821	41258
3.587		83232	49291
3.63		1584	807
3.655		2703295	1667685
3.678		254712	135197
3.699		568766	345461
3.728		890422	492847
3.744		873471	465841
3.784		386779	314988
3.825		323104	309174
3.854		846898	500538
3.876		9656006	6324236
3.901		1040819	558891
3.92		947434	522512
3.94		1623342	962806
3.975		8815867	5934624
4.006		3367293	2062881

RT B	Compound B	Height B	Area B
4.024		2141456	1089807
4.084		588072	417318
4.118		3333705	2484296
4.15		39927	17658
4.175		7220037	5240297
4.208		2002422	1429980
4.235		13627950	9515225
4.273		825310	790340
4.326		5963579	4915438
4.363		841009	614300
4.395		8208709	5715048
4.419		1028403	617351
4.437		21121	6972
4.462		4735618	3346088
4.487		231487	132077
4.56		4105064	4105357
4.613		5924366	4656300
4.653		1268948	1192711
4.691		8528609	7943214
4.738		632651	405728
4.761		257855	174225
4.821		94558	101575
4.86		22448	12098
4.878		366629	270325
4.911		402008	273365
4.935		2563575	1980068
4.984		288190	256983
5.02		255314	196981
5.053		242467	201627
5.083		1286402	919625
5.104		846183	536184
5.122		128257	64836
5.145		20144	11511
5.177		368494	314602
5.242		4851	6768
5.295		5040	3508
5.318		46909	37464
5.361		1114171	1077215
5.434		664	532
5.459		4174	3057
5.484		1775	1063
5.517		328204	281078
5.565		29634	20175
5.585		470392	376753
5.635		164358	137781
5.682		1810	1626
5.741		72946	62095
5.772		3984	2270
5.801		1984	1335
5.873		1989	9056
5.894		3344	2054
5.909		1155	562
5.94		261899	230855
5.972		5314	3497
5.994		2867	1505
6.029		984	1505
6.055		4067	4008
6.098	DCB	21329200	17957530
6.162		16912	24826
6.247		6715	10298
6.278		5688	6753
6.326		1090	1192
6.351		1555	1461
6.37		1920	1634
6.401		939	293
6.436		1214	1374

RT B	Compound B	Height B	Area B
6.488		1078	1349
6.506		2885	2186
6.55		21450	18896
6.616		2861	4004
6.687		1456	2872
6.721		5090	7154
6.809		2709	6831
6.859		501	2476
6.877		1641	1002
6.907		1112	302
6.917		1363	787
6.983		1036	588

AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082

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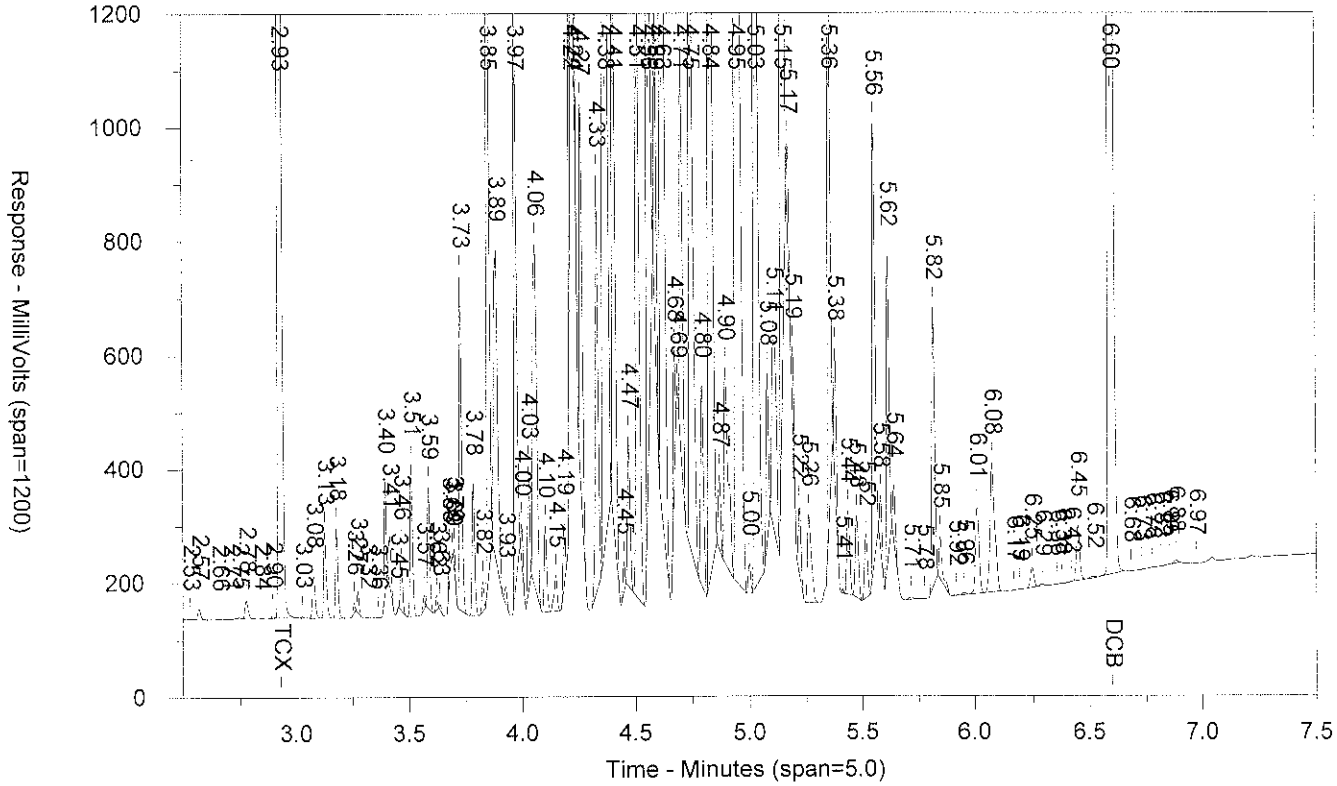

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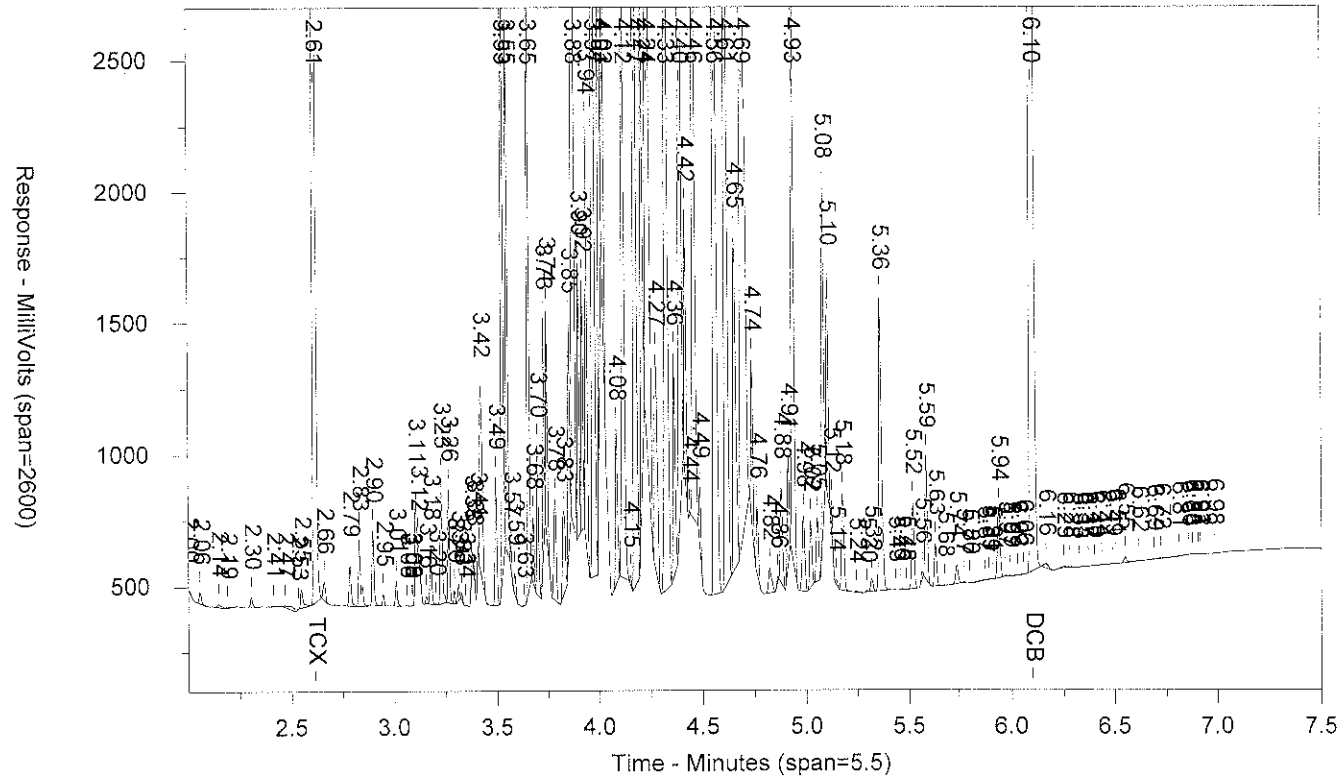

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:37:51 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	11836510	78.455	TCX	2.615	21526280	79.014	TCX
6.6	6870984	71.282	DCB	6.098	21329200	70.455	DCB

Files:
Area File: 25PCBS17284001.024.RAW
Area File: 25PCBS17284001B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:18 PM
File Reported On: 10/12/2017 at 3:36:23 PM

AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082

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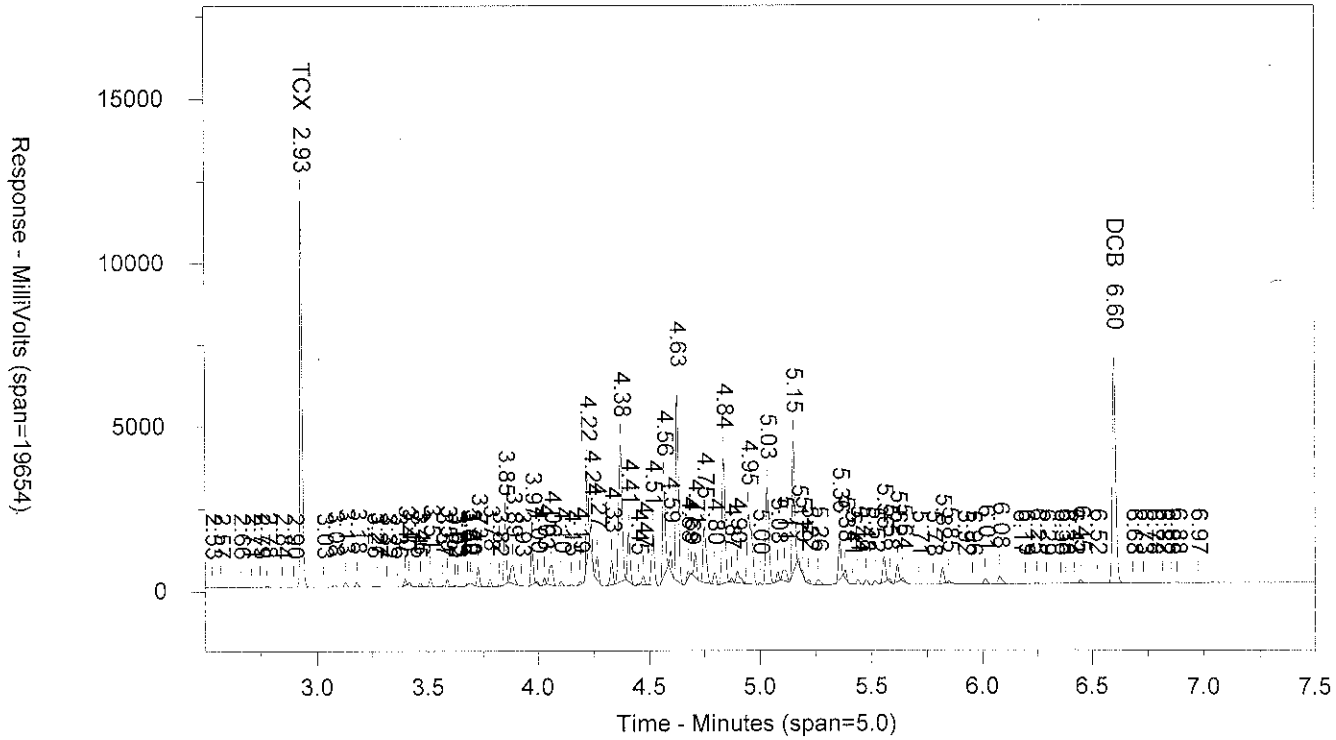

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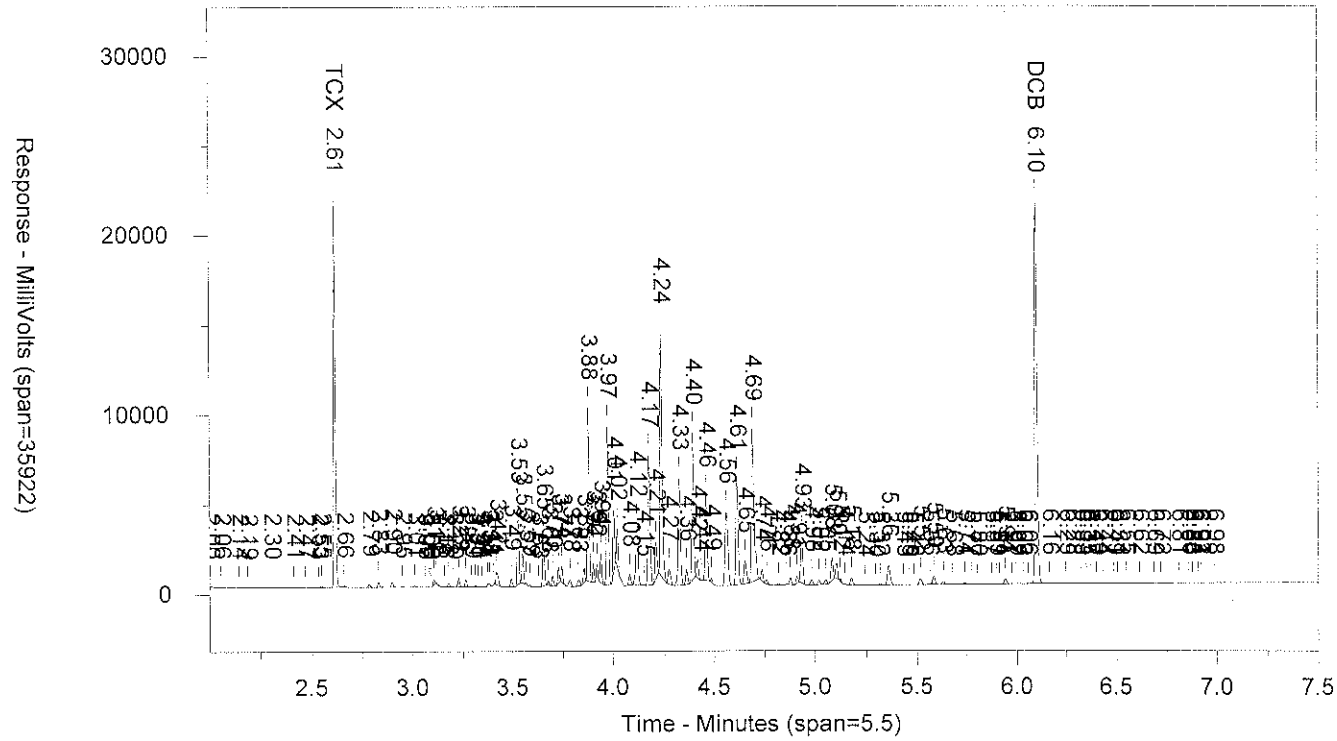

AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082

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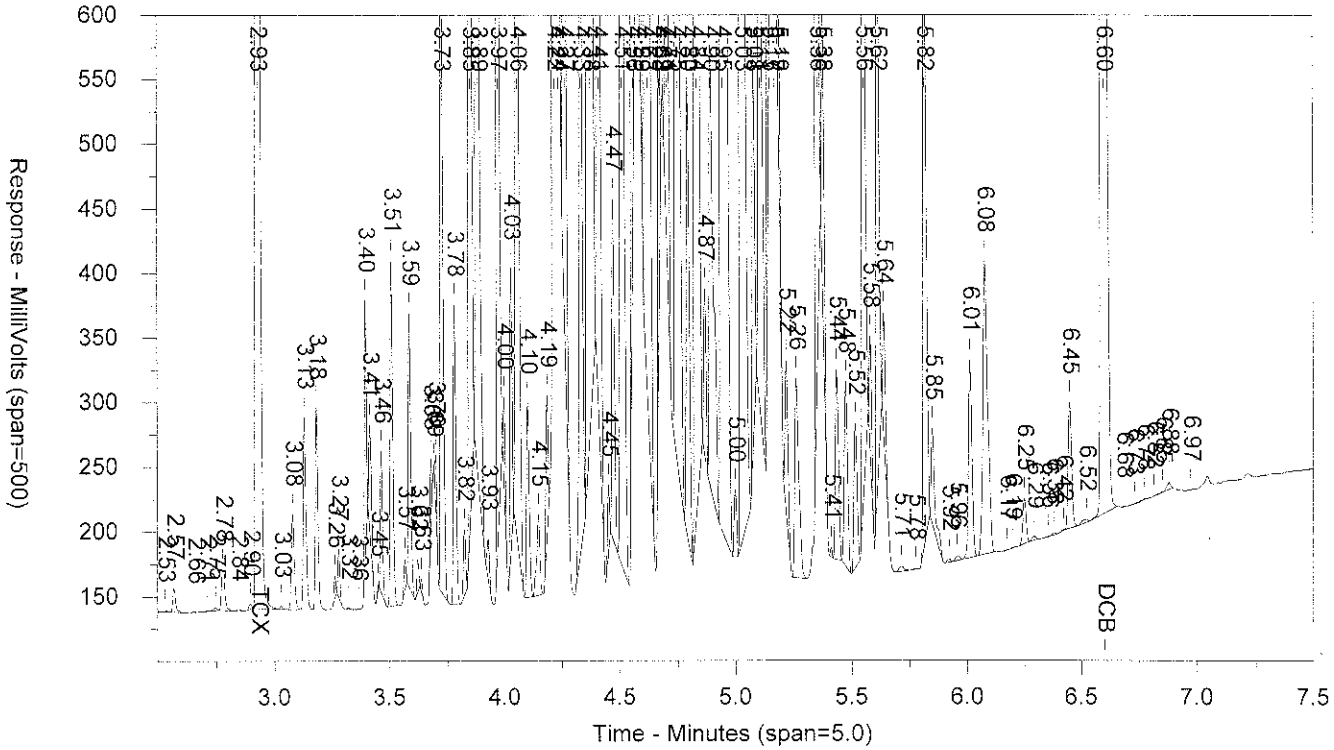

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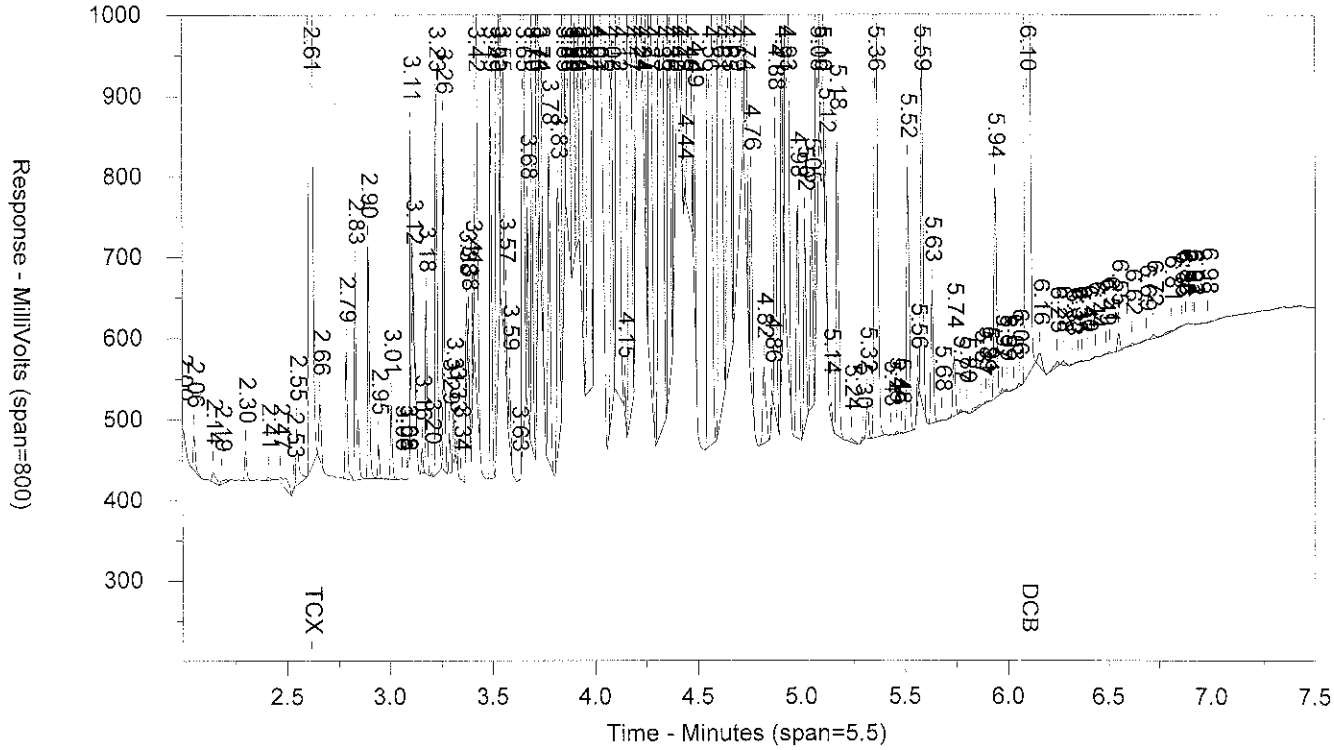

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:49:11 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.014		522	189
2.035		12352	11836
2.091		8971	20830
2.171		1012	894
2.23		29388	24476
2.295		826	802
2.336		15436	17656
2.431		2723	2200
2.489		8456	8693
2.533		1694	1672
2.567		195978	147517
2.66		608	713
2.713		394	465
2.745		2833	3555
2.777		8880	7408
2.805		2144	1260
2.841		56462	41737
2.895		5726	4352
2.93	TCX	6176302	4272658
3.027		1709	1078
3.077		225576	193695
3.132		198590	177571
3.179		617151	455193
3.257		13659	8311
3.274		4175	2051
3.313		414	468
3.364		470	245
3.395		28552	16888
3.416		29393	34225
3.449		3046	1380
3.476		67030	50997
3.509		47387	35849
3.567		13327	7794
3.584		2652	1149
3.603		2460	1331
3.62		7933	3900
3.635		8713	4738
3.656		3139	1640
3.678		12400	7010
3.689		38237	20814
3.726		59201	45797
3.782		38572	28956
3.823		4344	3004
3.852		15160	11082
3.878		7216	9073
3.927		9371	9162
3.974		12519	8992
3.999		3686	2442
4.029		3411	2367
4.062		23979	26638
4.103		6568	5205
4.167		3546	3925
4.222		16572	11681
4.241		11311	6727

RT A	Compound A	Height A	Area A
4.265		15192	13661
4.335		3662	3368
4.374		26226	35101
4.41		5842	4334
4.449		1594	955
4.47		4203	4377
4.515		19421	19117
4.566		25277	24283
4.624		22608	27046
4.673		2105	1884
4.708		8359	7375
4.751		8042	7902
4.794		3801	3426
4.836		14903	14085
4.871		67139	64608
4.964		15828	23049
4.997		3557	2755
5.035		6827	5792
5.058		8810	6729
5.112		88291	88278
5.152		11482	10475
5.191		3003	2434
5.22		1535	1170
5.258		1656	1668
5.32		11114	15818
5.358		3663	2722
5.381		3638	2845
5.438		2722	2057
5.473		8207	11238
5.516		53787	53100
5.559		1430	1696
5.616		980	662
5.64		107945	115048
5.701		336	273
5.725		639	699
5.777		351	867
5.821		6203	6305
5.867		4489	5742
5.904		563	184
5.954		8419	11894
6.012		90433	91301
6.076		131681	160331
6.163		495	1173
6.206		3070	5188
6.245		7810	10886
6.287		2413	2541
6.327		446	388
6.338		432	146
6.378		1171	1228
6.422		692	502
6.449		61650	63344
6.51		6326	9703
6.598	DCB	3669572	3781412
6.689		877	696
6.704		637	308
6.766		4152	7086
6.813		511	476
6.856		614	276
6.883		6588	12910
6.971		689	775

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:49:11 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		310	939
2.054		24400	19146
2.112		1969	1373
2.144		9282	15028
2.188		5428	5516
2.274		1409	1004
2.299		326245	227425
2.414		3664	4851
2.468		13159	69969
2.547		24969	42099
2.57		101259	61419
2.614	TCX	11169240	6506088
2.656		125360	105557
2.713		1724	1081
2.785		460451	309588
2.832		89878	40555
2.846		278267	147563
2.898		1124130	690095
2.947		22973	13902
3.01		16729	10993
3.074		353	52
3.085		4118	2207
3.105		42258	20606
3.116		12756	4274
3.125		23943	9409
3.147		39806	28308
3.177		12677	7724
3.203		140510	82081
3.227		89585	57301
3.264		9239	5025
3.291		31111	16581
3.31		22825	11386
3.325		24610	11664
3.344		382	47
3.351		4799	2367
3.375		36081	16372
3.385		76270	35056
3.419		96810	79047
3.451		1955	802
3.476		265	58
3.492		85420	55590
3.528		34379	22454
3.551		23095	12227
3.569		5815	2469
3.587		8127	9587
3.638		1425	3162
3.655		31625	19573
3.678		11802	6638
3.699		9862	5785
3.728		21351	10968
3.745		22486	11093
3.756		4253	1846
3.785		14735	9917
3.832		7542	5536

RT B	Compound B	Height B	Area B
3.855		15140	10249
3.877		72469	48746
3.901		18864	11420
3.921		4834	2192
3.943		14753	11559
3.975		42924	28221
4.008		15040	8537
4.024		25207	18407
4.076		4578	3576
4.088		4539	2414
4.118		9664	8504
4.131		8073	3112
4.151		35385	22694
4.175		27619	18627
4.217		10505	10124
4.236		46473	34677
4.272		4240	3823
4.327		36327	31878
4.366		8891	6815
4.396		22935	15769
4.437		129189	110959
4.462		12019	6267
4.561		30356	27474
4.617		34580	29903
4.664		169480	142130
4.694		17809	16642
4.724		1568	473
4.738		6772	4088
4.761		2948	2410
4.805		822	800
4.817		1155	682
4.838		1902	1473
4.863		1036	549
4.891		830	844
4.911		12141	9675
4.935		10060	7098
4.974		12939	10759
5.019		4449	2685
5.036		3046	1500
5.054		81660	64152
5.082		2052	792
5.102		5356	5289
5.177		191797	162857
5.233		1526	931
5.295		4696	4290
5.317		5506	4540
5.364		14339	14509
5.456		878	249
5.464		1453	503
5.491		1333	481
5.517		189064	168261
5.585		288425	259641
5.634		64953	54701
5.684		1610	1936
5.742		4382	4283
5.797		4927	6783
5.88		1183	13378
5.908		1805	2160
5.938		166280	139321
5.973		2819	2096
6.021		1809	2154
6.058		4529	4739
6.096	DCB	12148290	9722373
6.161		18000	28978
6.203		1320	622
6.253		6305	15317

RT B	Compound B	Height B	Area B
6.29		2826	1084
6.328		1395	1716
6.362		1735	458
6.409		1369	602
6.434		2376	2064
6.508		3486	7546
6.548		13278	11299
6.584		1327	622
6.609		1811	1067
6.642		1243	363
6.675		1690	1110
6.702		1287	1141
6.724		2029	2434
6.776		1748	1633
6.797		1066	397
6.852		630	2076
6.873		1462	383
6.89		1198	342
6.957		2247	2884
6.994		903	1024

AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082

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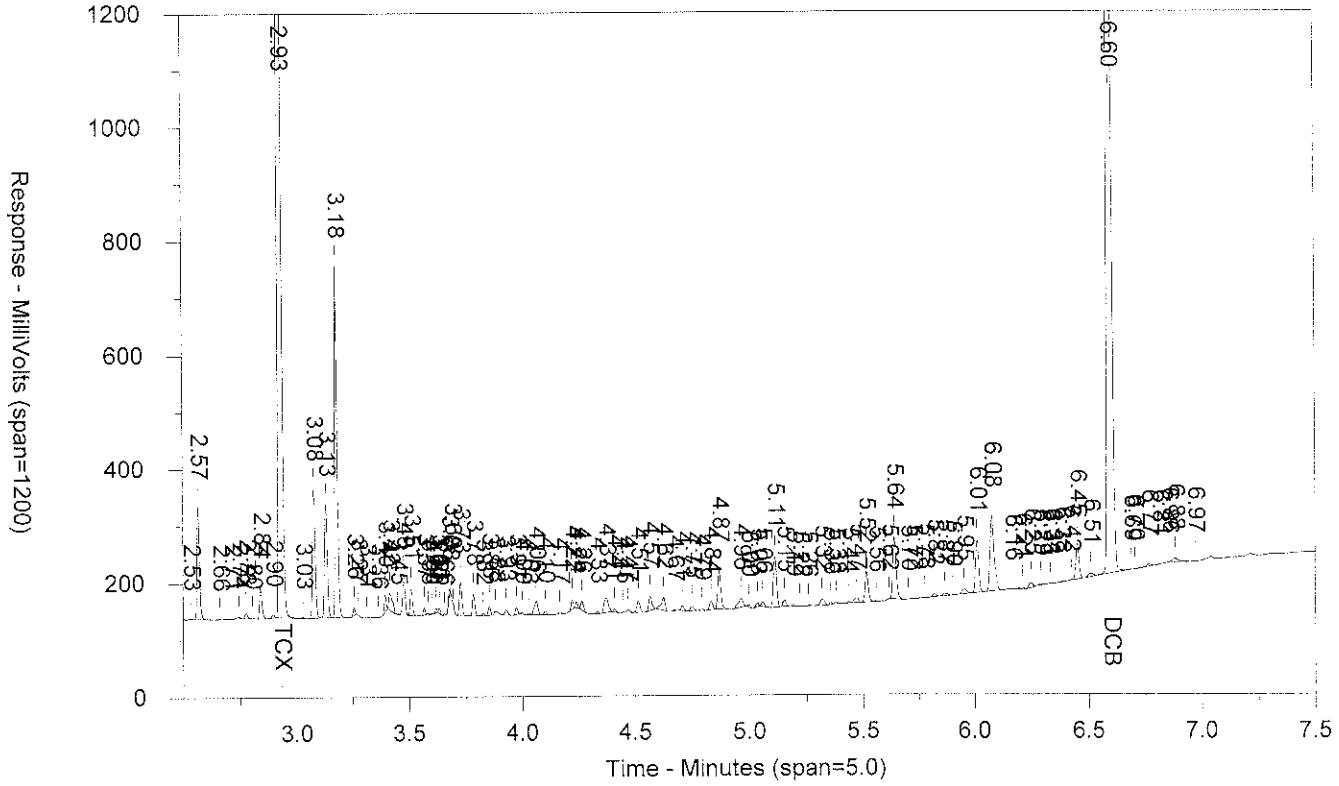

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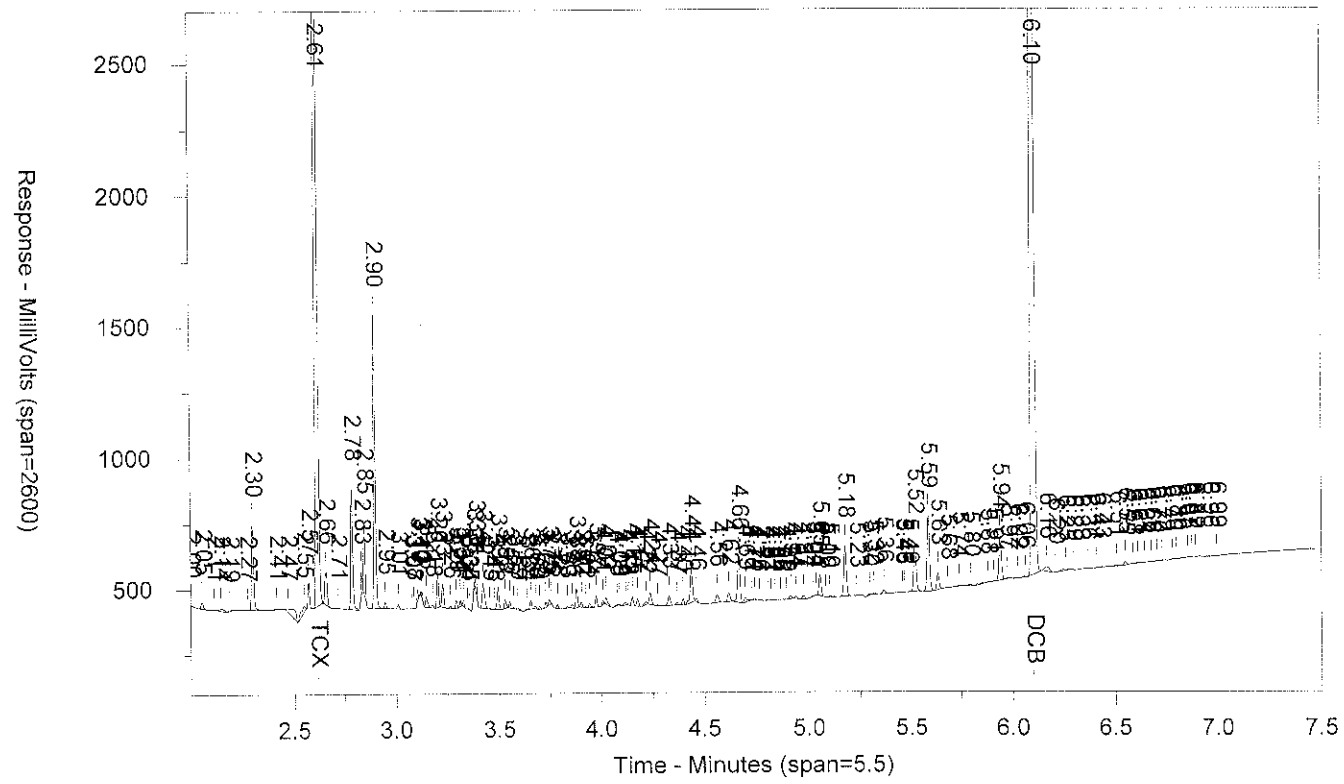

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:49:11 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	6176302	40.938	TCX	2.614	11169240	40.998	TCX
6.598	3669572	38.069	DCB	6.096	12148290	40.128	DCB

Files:
Area File: 25PCBS17284001.025.RAW
Area File: 25PCBS17284001B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:19 PM
File Reported On: 10/12/2017 at 3:36:43 PM

AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082

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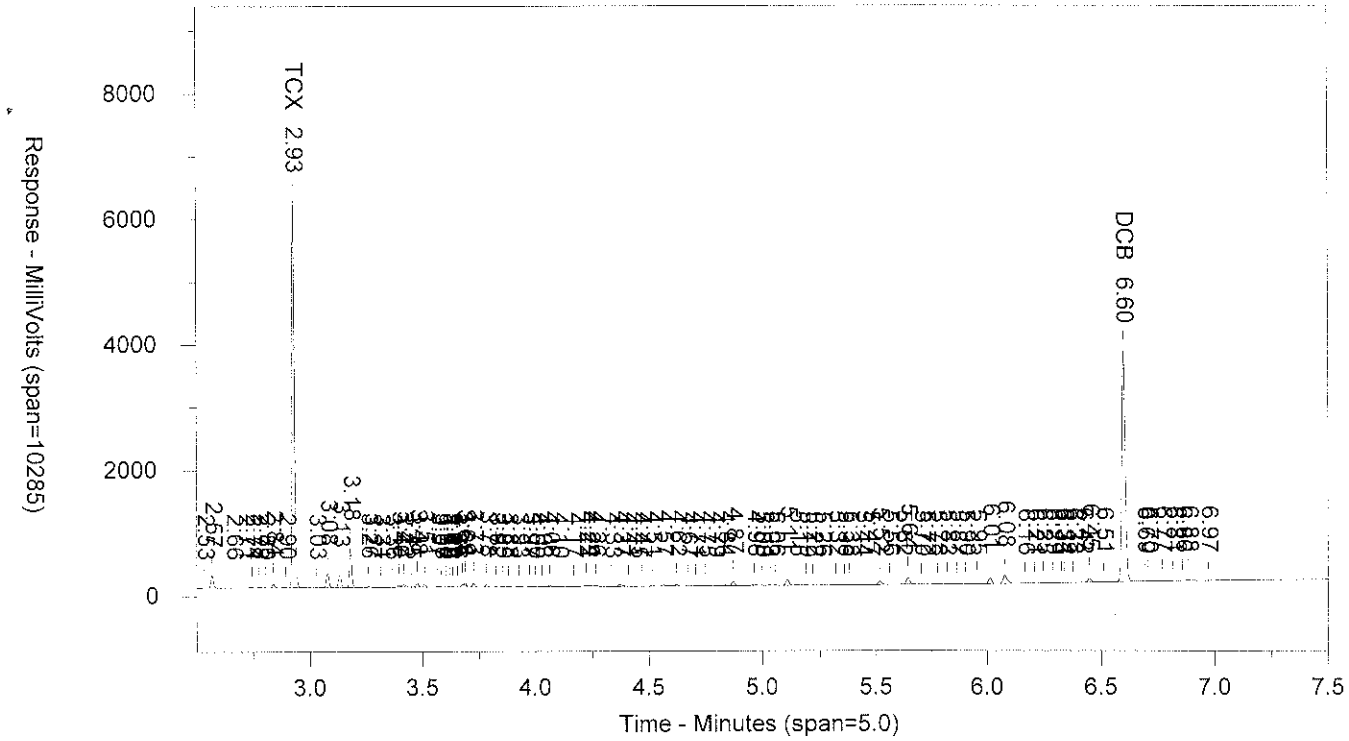

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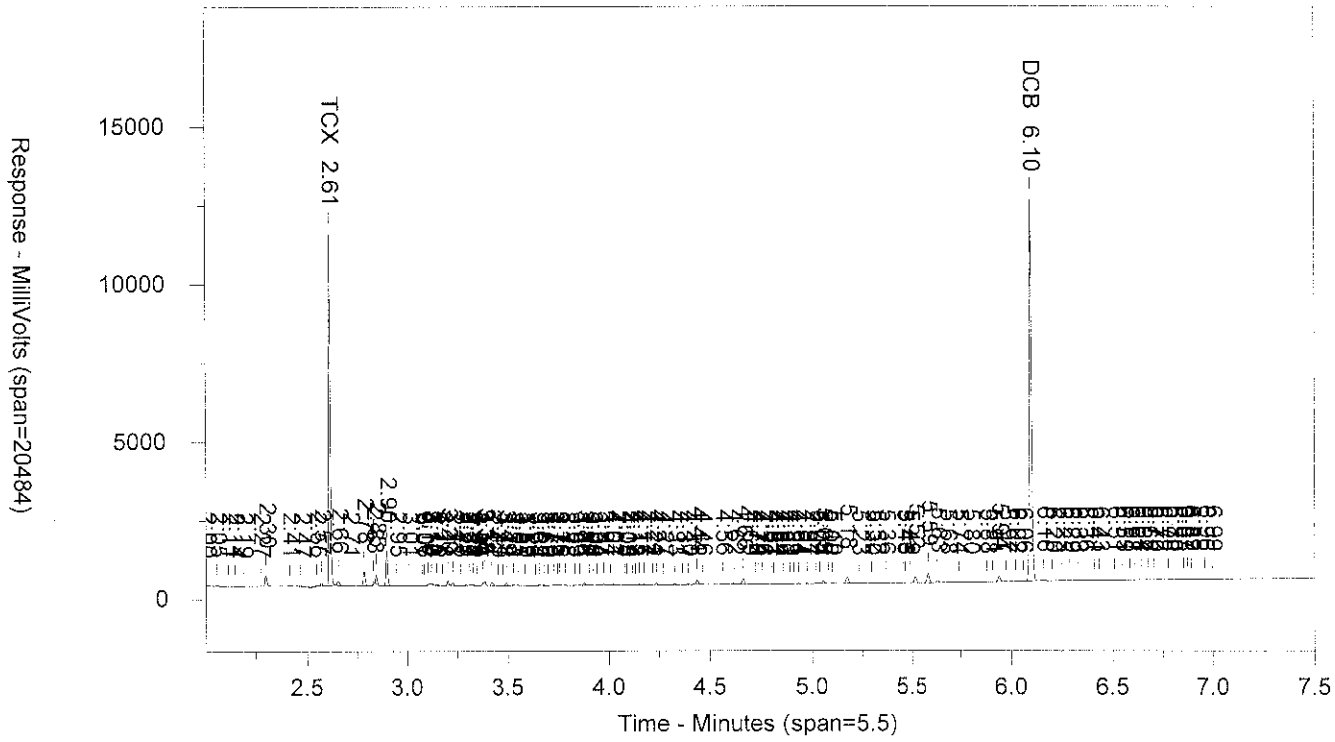

AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082

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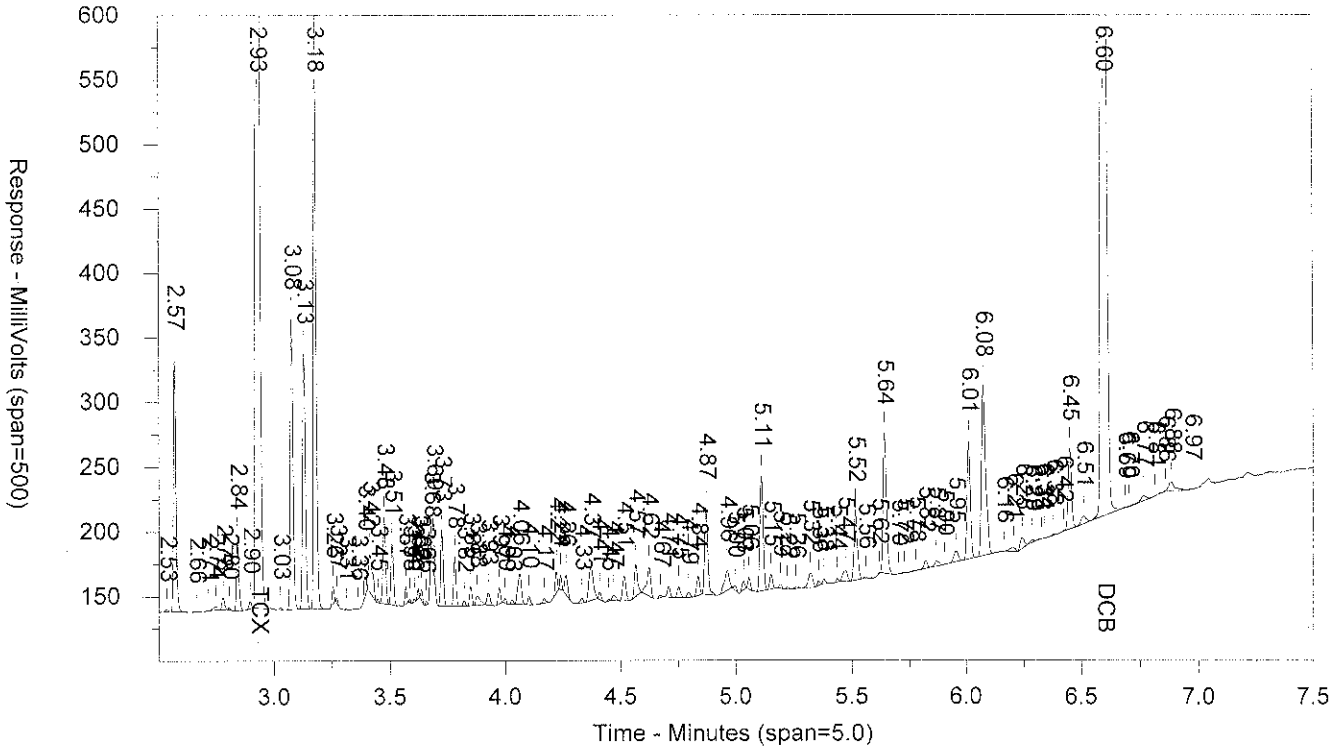

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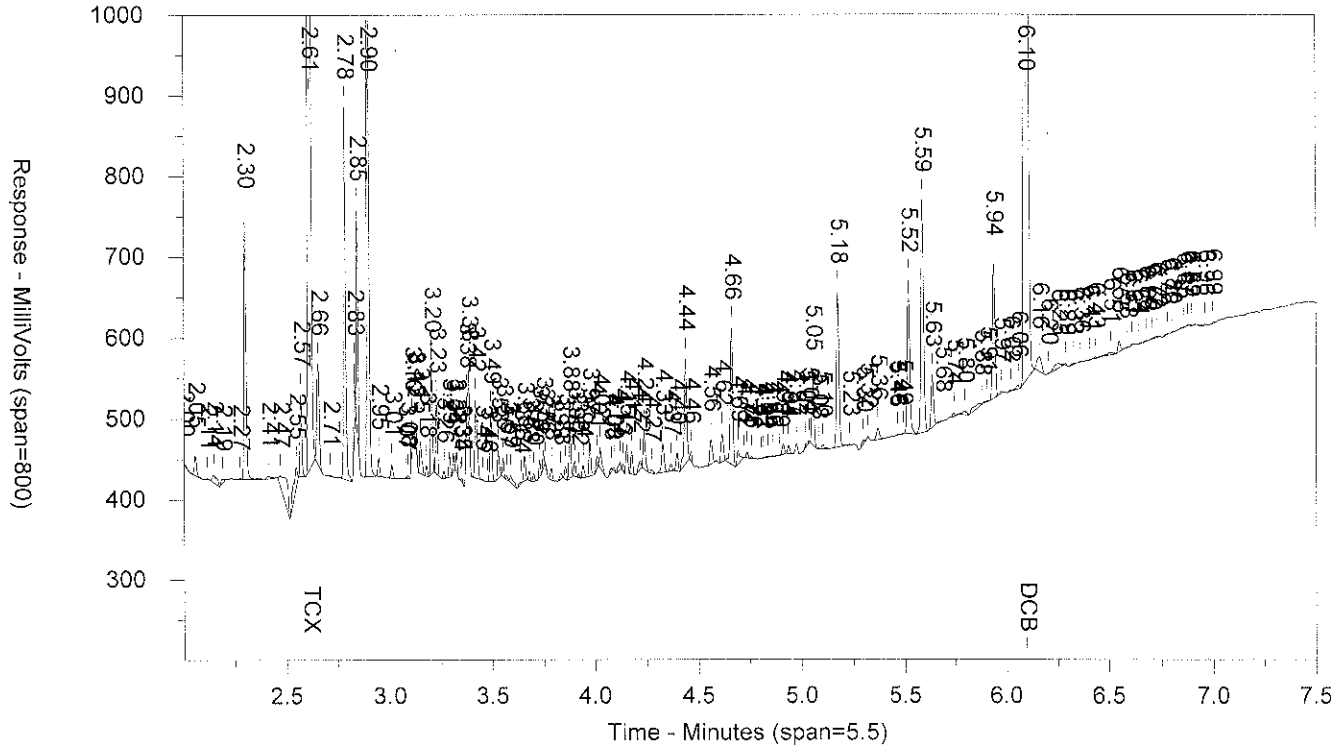

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:00:22 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.034		14861	14547
2.089		6612	16062
2.172		768	517
2.23		28141	23964
2.293		1064	881
2.337		14687	16767
2.431		2988	2257
2.489		10236	10220
2.532		5431	4394
2.567		122343	91769
2.658		437	475
2.744		2999	4899
2.777		5195	4088
2.804		1169	599
2.84		32685	25036
2.894		6967	5446
2.93	TCX	5941267	4040061
3.028		1405	862
3.077		183172	157813
3.131		171837	152012
3.179		541380	412562
3.257		9446	5127
3.273		25302	15488
3.395		201778	127217
3.411		96020	55790
3.448		23298	12688
3.475		49898	38045
3.509		272482	217117
3.546		802	382
3.565		10647	5978
3.584		14908	9008
3.618		52561	29960
3.633		29902	14895
3.655		699	254
3.677		87404	57014
3.687		223561	121173
3.724		331267	259178
3.781		244522	196021
3.822		22297	15798
3.85		139139	105722
3.877		103145	87384
3.899		22818	11872
3.926		7718	5778
3.973		166464	124064
3.997		58092	37631
4.028		71468	48369
4.061		195280	192379
4.101		62337	50763
4.148		9873	6862
4.166		763	319
4.187		12280	8184
4.219		103373	70229
4.239		135509	86462
4.262		174601	135551

RT A	Compound A	Height A	Area A
4.319		4889	3225
4.332		3841	2267
4.366		106890	83240
4.386		57998	33601
4.409		16515	10570
4.449		1865	1279
4.472		7790	6718
4.513		37684	35858
4.564		49261	42358
4.594		15387	11127
4.624		57119	48169
4.672		2615	2230
4.706		33665	32057
4.749		7408	8331
4.794		7832	7404
4.835		39933	36409
4.871		66620	60272
4.915		1949	1378
4.964		14562	20789
4.998		4448	3433
5.031		36404	31374
5.057		6638	4561
5.111		91745	89753
5.152		10964	9438
5.192		3426	2667
5.219		2734	2325
5.261		3275	3279
5.321		9091	11881
5.356		3875	2900
5.38		5200	5191
5.438		3450	2787
5.473		8645	11493
5.516		52385	54598
5.56		1828	2012
5.616		2715	2212
5.64		111724	108435
5.723		582	462
5.75		472	167
5.782		367	318
5.821		9105	9263
5.867		4857	7159
5.924		644	1017
5.954		7467	10014
6.011		87552	89584
6.076		128236	160029
6.165		906	1394
6.21		512	1071
6.244		7521	9827
6.289		1750	2714
6.345		590	797
6.39		497	1013
6.419		812	625
6.449		55558	58620
6.509		5626	8509
6.596	DCB	3454476	3560416
6.676		494	202
6.697		634	550
6.766		3234	4429
6.82		255	444
6.83		590	199
6.878		6732	11692
6.985		773	567

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:00:22 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		1015	780
2.055		23636	18879
2.11		1052	1042
2.143		7297	13089
2.188		4254	3419
2.202		3323	4194
2.271		1764	1087
2.299		207068	147315
2.411		10326	10398
2.467		8230	64538
2.548		20528	40587
2.571		61170	36472
2.614	TCX	10717900	6158984
2.657		115398	95045
2.785		372128	259326
2.832		92810	43435
2.846		230632	120094
2.898		1022375	626762
2.948		22679	14698
3.01		66536	41615
3.069		989	296
3.086		2097	838
3.105		318558	155823
3.116		111495	42286
3.156		66120	47910
3.177		43154	24092
3.203		105492	59906
3.227		514135	339368
3.263		39498	23337
3.291		25252	12111
3.31		121556	66144
3.325		81793	38444
3.349		5001	3025
3.375		231114	112200
3.384		457534	201288
3.405		16197	6769
3.418		507393	376490
3.492		522741	327470
3.527		307499	189769
3.55		356032	195584
3.568		117394	58916
3.585		3651	3142
3.633		1466	1882
3.654		407759	272975
3.676		167844	91031
3.697		154557	95622
3.726		117172	60243
3.743		355412	219085
3.784		142792	104753
3.832		28361	19247
3.853		237204	148327
3.876		433349	279963
3.9		396530	244275
3.919		14793	6104

RT B	Compound B	Height B	Area B
3.939		18857	10543
3.958		7869	3350
3.974		85348	52244
4.009		249512	184759
4.036		158043	93527
4.085		16421	18199
4.118		52375	48813
4.15		35680	22146
4.174		88952	63992
4.207		51460	37331
4.234		122851	91980
4.271		3716	3560
4.327		74217	78543
4.364		17399	12889
4.395		77435	52672
4.435		130792	104686
4.461		9222	4971
4.486		6369	4509
4.518		2732	2000
4.562		30508	28780
4.614		90519	75663
4.663		181247	143214
4.691		13776	11148
4.722		2560	1290
4.738		5041	3129
4.759		4369	3608
4.815		1173	834
4.837		1831	1139
4.86		2673	2601
4.911		17134	14530
4.935		8531	5753
4.974		12920	11299
5.02		5716	3548
5.035		3160	1420
5.054		83119	66092
5.081		1701	730
5.104		14717	12262
5.176		198565	166920
5.245		1085	237
5.297		3178	2847
5.318		5764	4901
5.365		19751	19960
5.433		1086	1727
5.466		2204	2112
5.517		192000	173448
5.585		280289	252320
5.634		70949	58503
5.68		1042	1360
5.742		6693	5435
5.776		944	524
5.801		3271	3249
5.843		2331	3589
5.871		2131	2386
5.907		782	1840
5.939		152387	129139
5.971		2904	1770
6.033		477	1482
6.055		4691	3634
6.097	DCB	10904640	9196796
6.157		16838	26758
6.256		4316	12188
6.274		2508	4169
6.326		1261	1174
6.335		1821	470
6.361		1618	1302
6.391		1253	638

RT B	Compound B	Height B	Area B
6.439		2038	3095
6.484		1333	1805
6.505		2054	2261
6.548		11472	9582
6.628		1627	6480
6.683		1209	1779
6.703		1333	968
6.718		1575	749
6.755		1108	347
6.771		1977	1512
6.808		1244	2235
6.844		1289	597
6.889		1358	2891
6.903		1616	1979
6.959		1138	595

AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082

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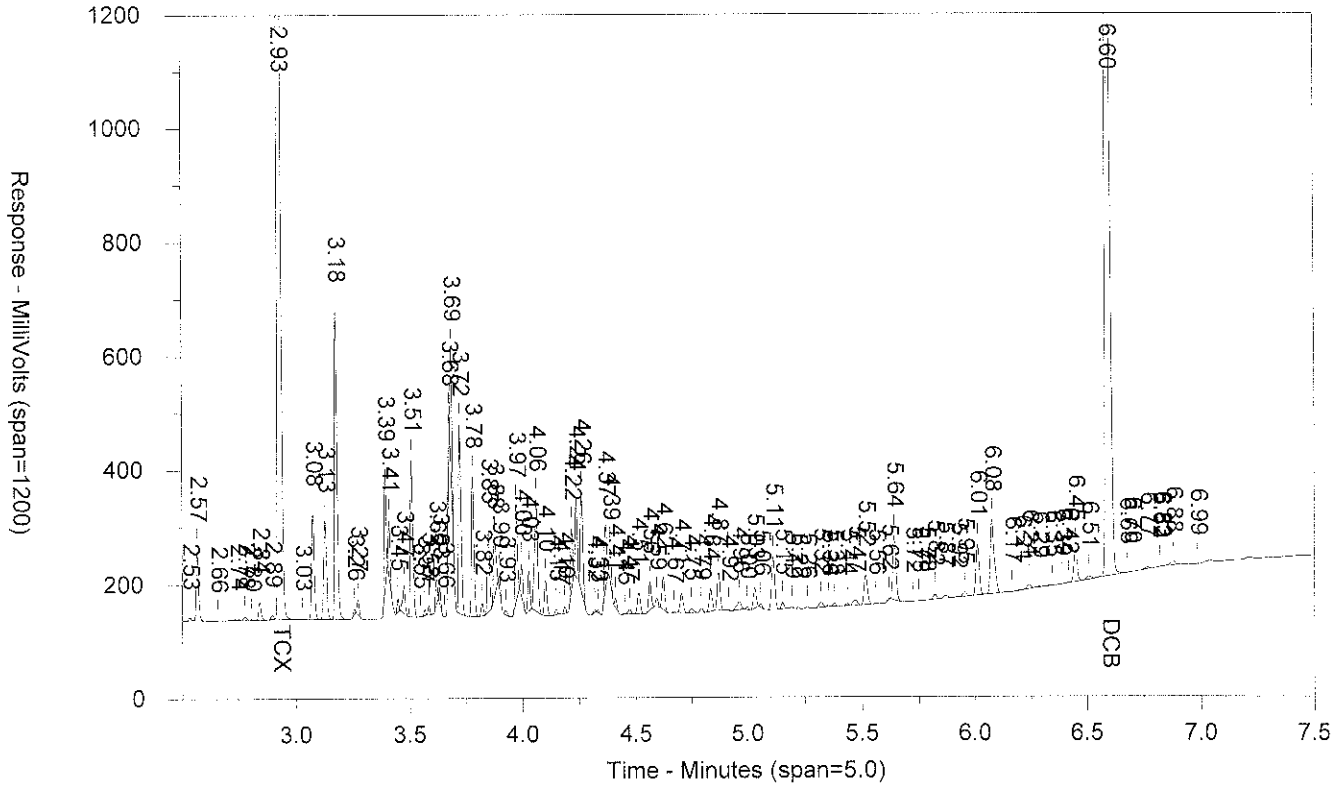

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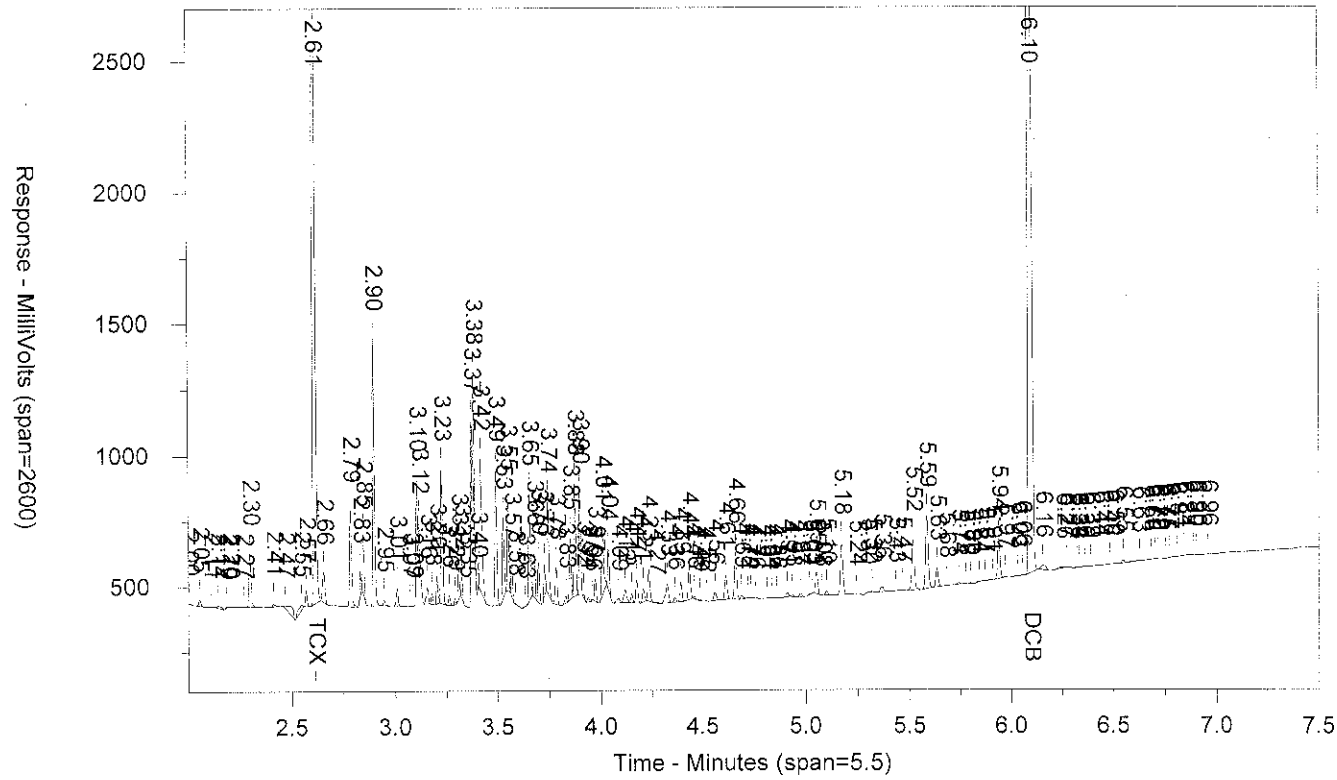

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:00:22 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	5941267	39.38	TCX	2.614	10717900	39.341	TCX
6.596	3454476	35.838	DCB	6.097	10904640	36.02	DCB

Files:
Area File: 25PCBS17284001.026.RAW
Area File: 25PCBS17284001B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:19 PM
File Reported On: 10/12/2017 at 3:37:02 PM

AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082

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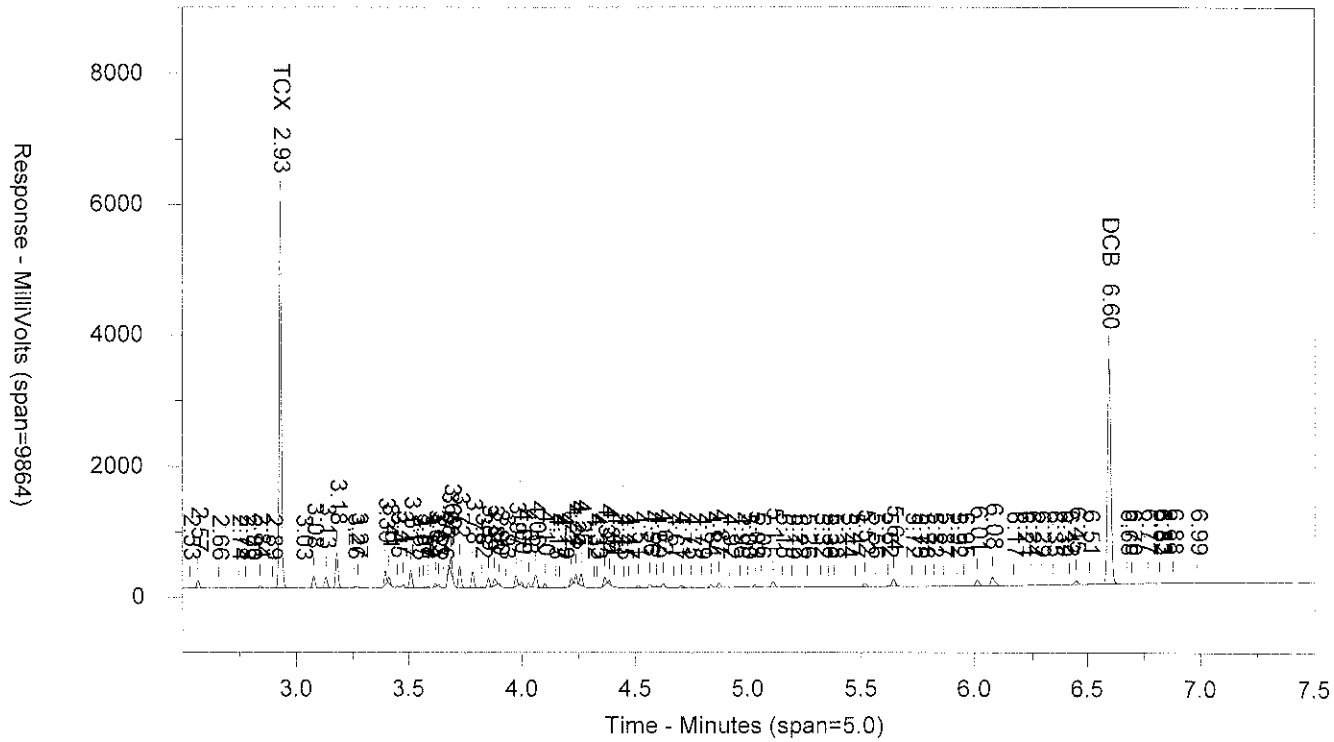

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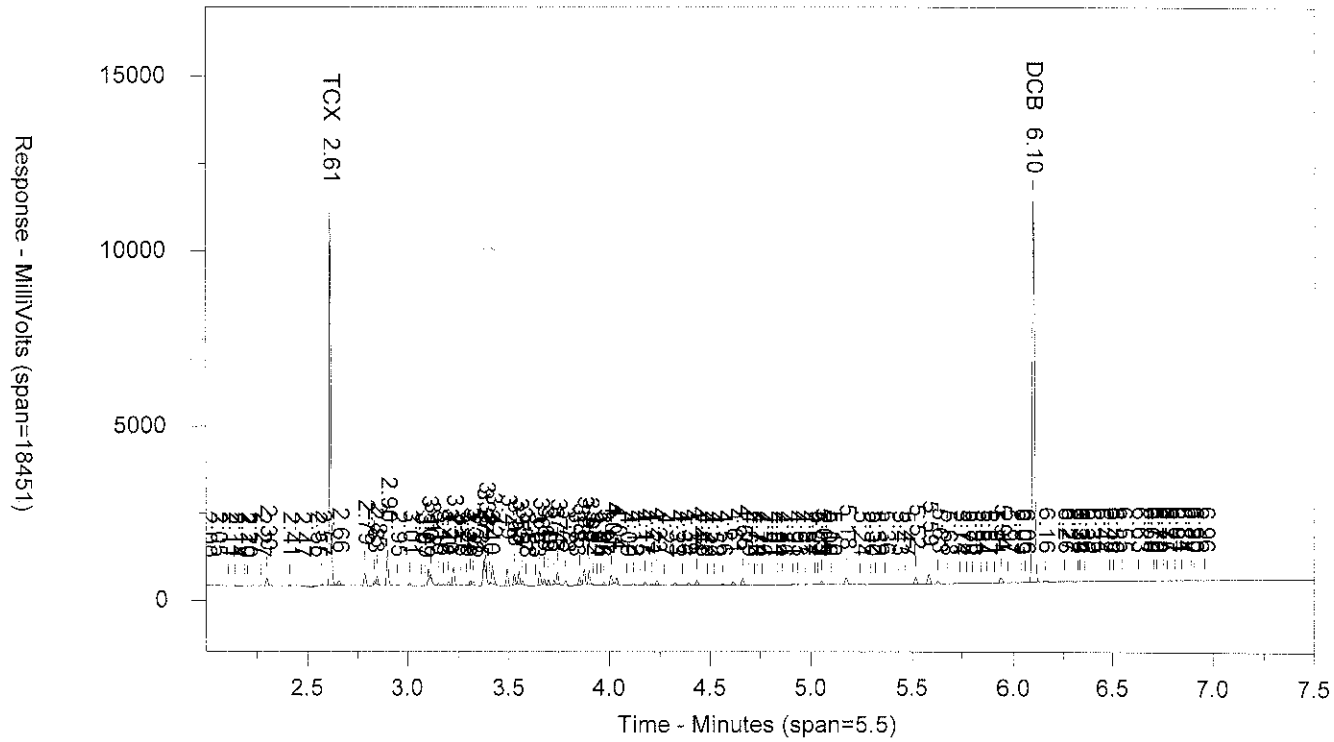

AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082

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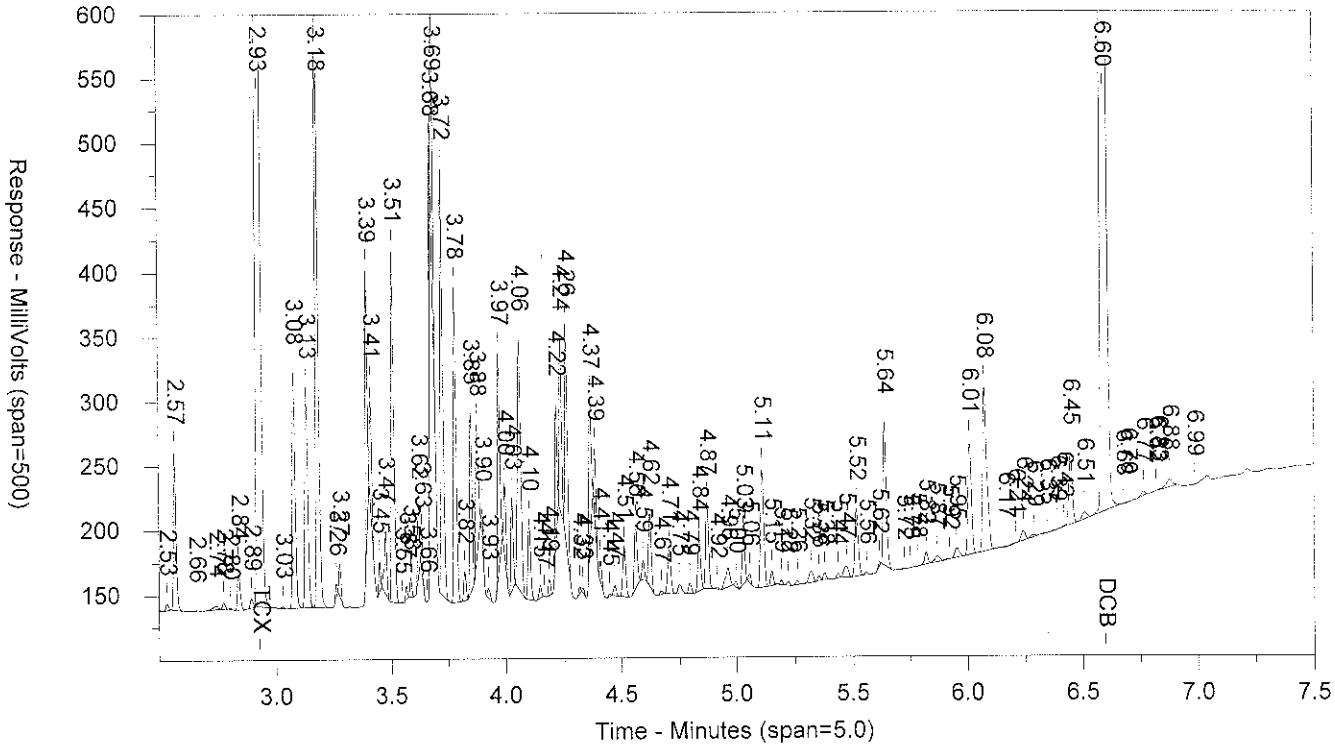

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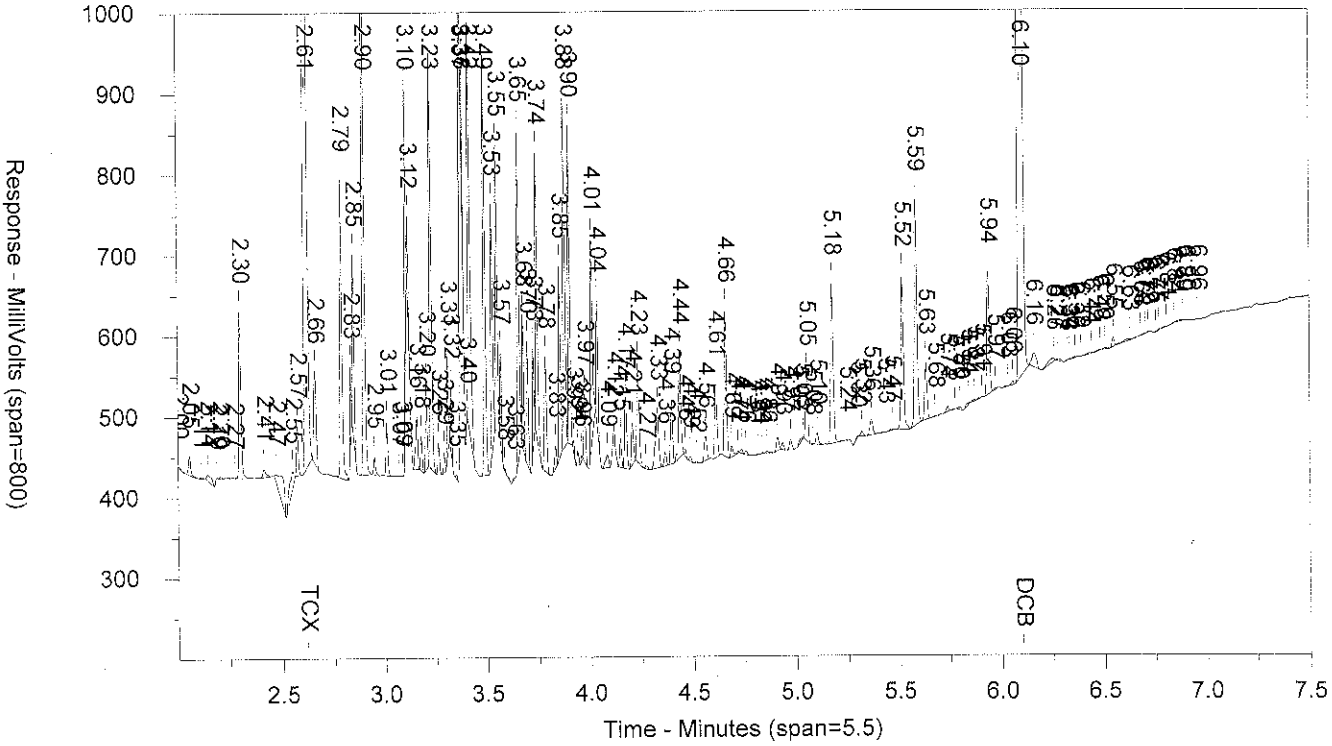

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:11:31 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		14205	18343
2.086		6290	10838
2.141		1106	947
2.203		616	236
2.23		48256	37818
2.291		1326	1135
2.337		25154	31819
2.43		5024	4279
2.49		16381	16733
2.532		2666	2737
2.568		24495	19174
2.622		552	255
2.652		3419	2960
2.683		948	491
2.71		394	231
2.735		5642	7449
2.777		1952	1455
2.844		3916	4187
2.895		16967	14952
2.93	TCX	10633770	7381660
3.027		2804	1803
3.047		946	436
3.077		183578	161453
3.13		204682	194174
3.179		729023	530239
3.257		18438	9763
3.272		83135	54023
3.314		2567	1626
3.363		569	280
3.394		617361	382762
3.411		288210	160589
3.447		73656	41720
3.463		16980	7144
3.474		24903	12082
3.508		828044	644198
3.546		2739	1340
3.565		19784	11656
3.584		48742	30893
3.618		149603	86520
3.632		82527	41058
3.676		285064	179172
3.686		756566	389939
3.723		1028566	787783
3.78		789192	611768
3.822		70958	50070
3.85		463992	345601
3.877		336126	282259
3.898		79889	43171
3.924		17541	14497
3.972		534426	398924
3.996		186767	122740
4.028		213559	157790
4.061		646057	624018
4.1		198679	164805

RT A	Compound A	Height A	Area A
4.147		36529	30648
4.186		49463	36286
4.218		373510	255959
4.239		447594	284293
4.261		552502	420721
4.318		15313	9364
4.332		16214	10153
4.366		356946	279527
4.385		169576	105126
4.408		81222	51893
4.449		6170	4115
4.471		25515	24808
4.512		130707	118438
4.562		168779	147754
4.594		86533	66114
4.623		229515	204398
4.672		1754	998
4.706		125021	121239
4.749		17678	23980
4.795		31167	28827
4.834		176051	168250
4.87		105378	95744
4.914		14067	13874
4.961		53141	103491
5.03		161029	156095
5.056		8672	5245
5.079		3674	2022
5.11		163639	157444
5.151		46254	40992
5.172		1707	896
5.191		6647	4500
5.22		1017	718
5.262		2342	3040
5.32		24203	37288
5.355		19797	15268
5.38		6246	4195
5.406		1589	1696
5.437		3400	2452
5.471		14464	19926
5.516		92318	93955
5.555		10855	9199
5.58		1670	1000
5.639		210441	244907
5.717		2482	2394
5.742		6395	6311
5.819		12205	13860
5.868		7669	9969
5.953		24773	41161
6.011		153099	154056
6.075		227438	297488
6.157		1387	1030
6.19		447	382
6.24		24338	35985
6.287		1828	2072
6.312		639	272
6.336		2399	2115
6.385		3242	3947
6.42		2648	2247
6.447		117284	124142
6.507		20592	30753
6.552		2051	2258
6.596	DCB	6639505	6565950
6.658		1821	1698
6.703		3569	3733
6.765		40158	67460
6.838		4104	4509

RT A	Compound A	Height A	Area A
6.88		6967	8111
6.933		6983	9806
6.978		1986	1939

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:11:31 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.004		1916	828
2.055		40818	31650
2.112		2478	2482
2.145		15075	24811
2.189		7452	6986
2.24		2134	3114
2.273		3230	2143
2.301		45966	32532
2.364		5474	3545
2.41		5267	6323
2.467		12857	55566
2.546		11356	26797
2.572		6521	4213
2.615	TCX	18905330	11363000
2.658		137409	105385
2.786		384171	280652
2.832		173044	84201
2.846		219144	112183
2.898		1252540	804500
2.948		40128	23458
3.009		182524	118249
3.071		964	294
3.083		4323	2371
3.105		807616	400618
3.116		364300	136597
3.156		180782	109587
3.177		121815	69610
3.202		122840	67066
3.226		1507898	1001202
3.263		123565	72351
3.291		48137	24177
3.309		361918	189545
3.324		211039	101070
3.375		811894	354038
3.384		1450538	629713
3.404		64654	24639
3.418		1661843	1123613
3.492		1643000	1006206
3.527		1047827	624448
3.55		1159602	652390
3.568		368709	188359
3.587		14480	9740
3.637		10587	5339
3.653		1399019	887541
3.676		532959	290430
3.697		527349	307784
3.726		362667	185831
3.742		1195903	712623
3.783		447341	321517
3.831		94944	63935
3.852		812474	500584
3.876		1420981	909544
3.9		1398893	853278
3.919		64299	29339

RT B	Compound B	Height B	Area B
3.939		68451	37475
3.958		27140	11715
3.974		328575	208521
4.008		897202	657911
4.036		597059	342950
4.083		49246	39975
4.117		195057	159723
4.149		52228	31678
4.174		355449	264768
4.207		213235	155677
4.234		515634	369772
4.272		12905	15381
4.327		240849	249532
4.363		71503	51831
4.394		312598	224534
4.418		8875	4405
4.435		203708	146136
4.461		31318	16840
4.486		31381	23243
4.561		70630	68575
4.612		362548	300151
4.637		1807	659
4.662		302347	242649
4.691		81962	81870
4.737		21029	14293
4.76		6426	4836
4.8		1613	1381
4.816		3282	2348
4.888		9514	9434
4.913		28916	22346
4.934		33892	21092
4.974		8568	4538
5.019		9989	6205
5.035		7018	3112
5.053		143097	108227
5.081		21033	14092
5.103		4025	1814
5.122		5808	8470
5.175		344069	288332
5.208		11253	9145
5.236		38134	48289
5.295		7158	8701
5.317		8612	6418
5.338		973	469
5.362		24807	23369
5.391		3682	3016
5.44		10626	10940
5.46		1148	951
5.516		371225	373769
5.584		528057	465283
5.634		115293	101028
5.679		13884	15312
5.724		21114	25896
5.799		23545	22631
5.822		31831	28541
5.874		979	1810
5.891		5726	4081
5.938		287275	258799
5.972		9931	8406
5.994		4232	2689
6.027		1663	1123
6.05		5174	3424
6.096	DCB	20767020	17121320
6.155		5074	4610
6.174		13089	9130
6.22		33379	42101

RT B	Compound B	Height B	Area B
6.247		11372	9856
6.274		4500	8793
6.333		73361	105966
6.379		4924	4308
6.431		37429	28192
6.449		14882	7346
6.486		86569	120626
6.521		16635	12945
6.566		58612	101964
6.593		4371	3859
6.628		33512	28185
6.65		6259	6514
6.694		4615	4374
6.728		12512	21122
6.772		5956	5189
6.797		37284	38669
6.847		22410	21487
6.892		23479	28517
6.947		18999	32419

AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082

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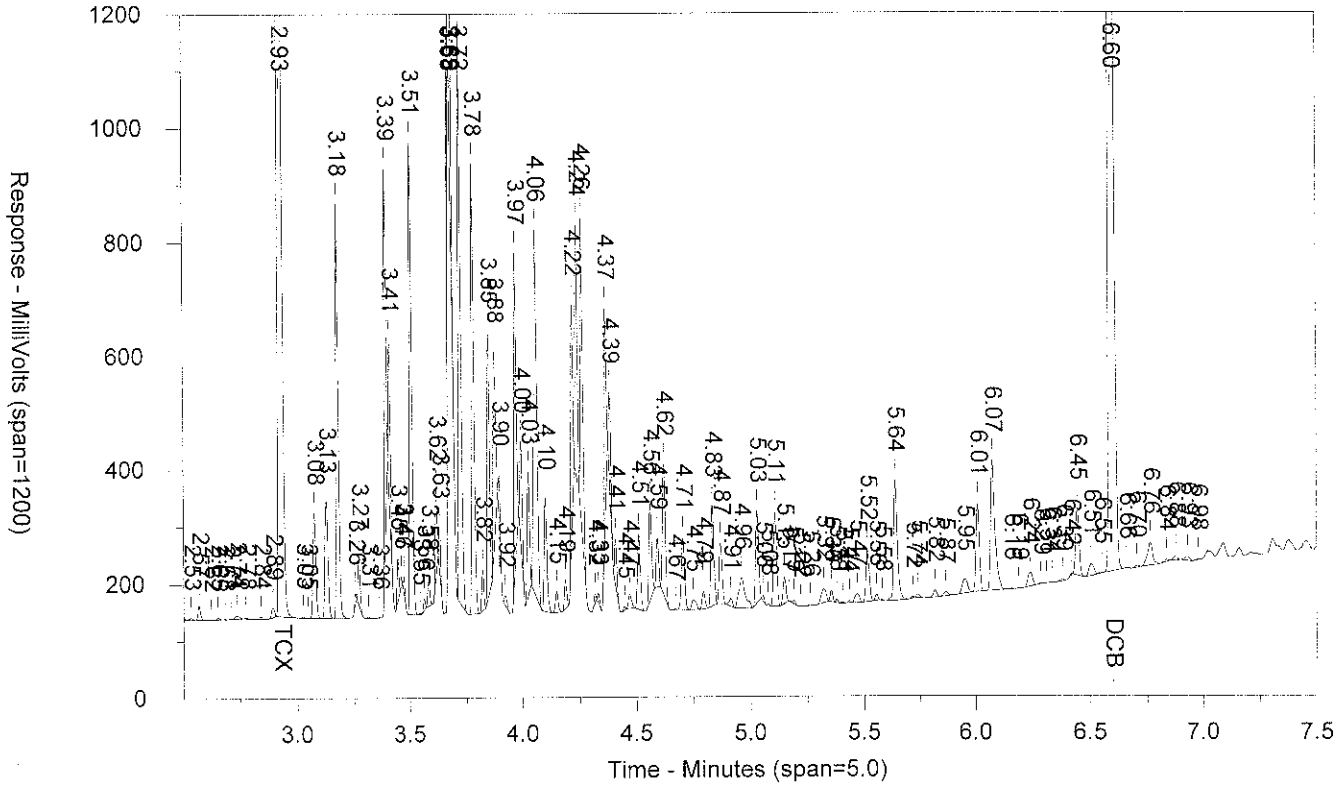

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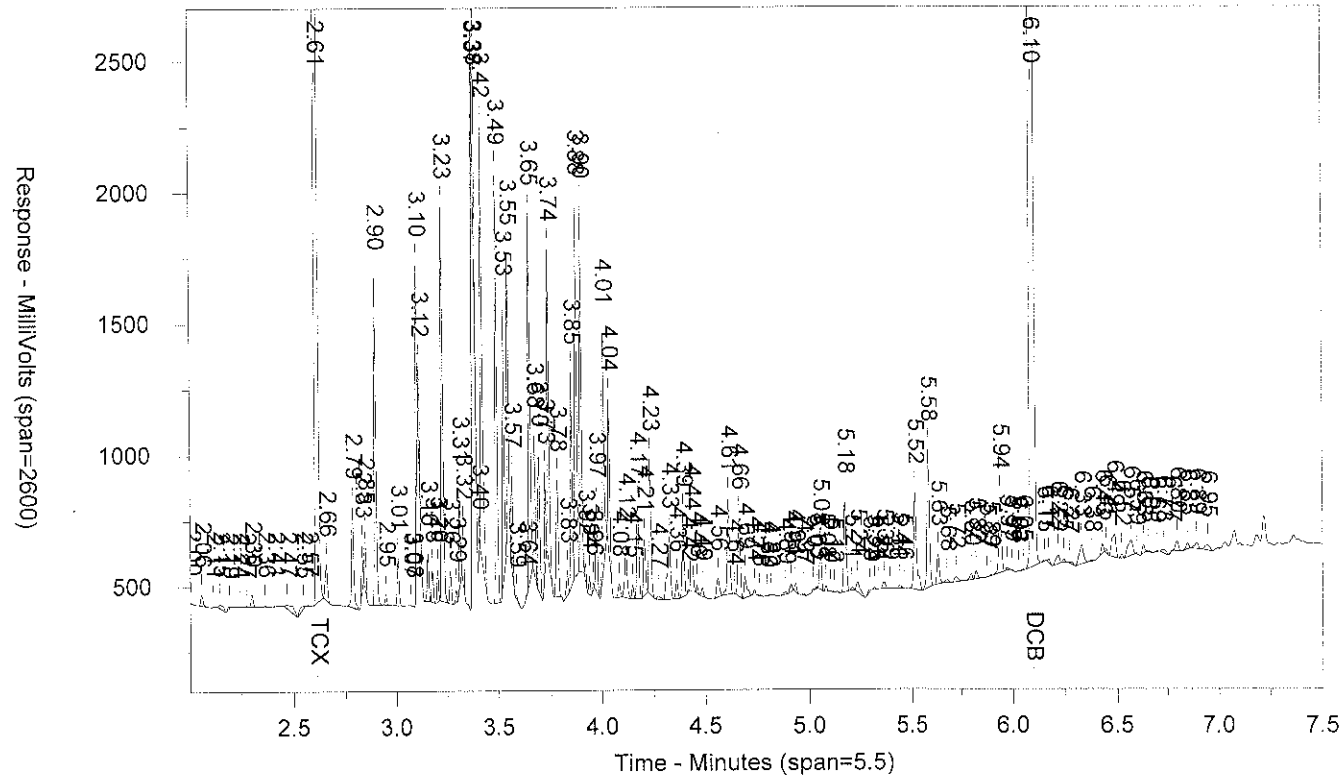

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:11:31 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	10633770	70.483	TCX	2.615	18905330	69.393	TCX
6.596	6639505	68.881	DCB	6.096	20767020	68.598	DCB

Files:
Area File: 25PCBS17284001.027.RAW
Area File: 25PCBS17284001B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:19 PM
File Reported On: 10/12/2017 at 3:37:19 PM

AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082

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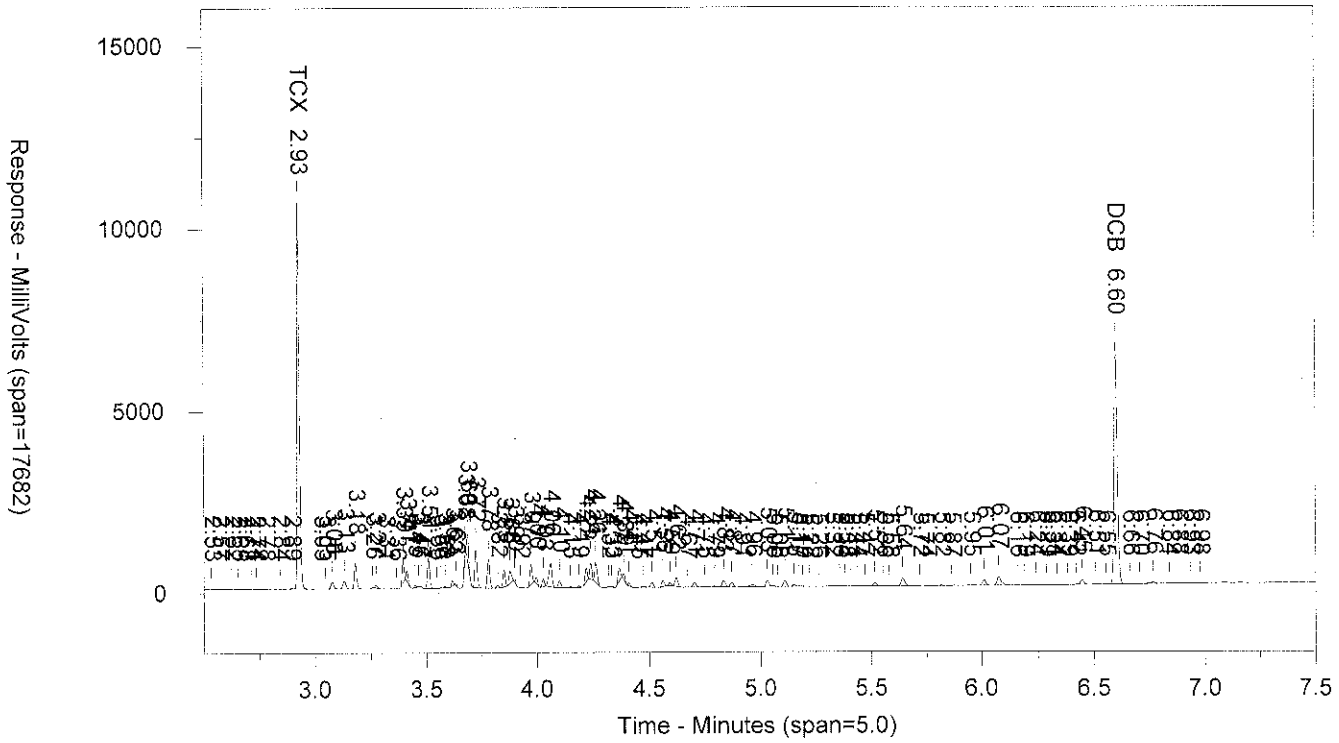

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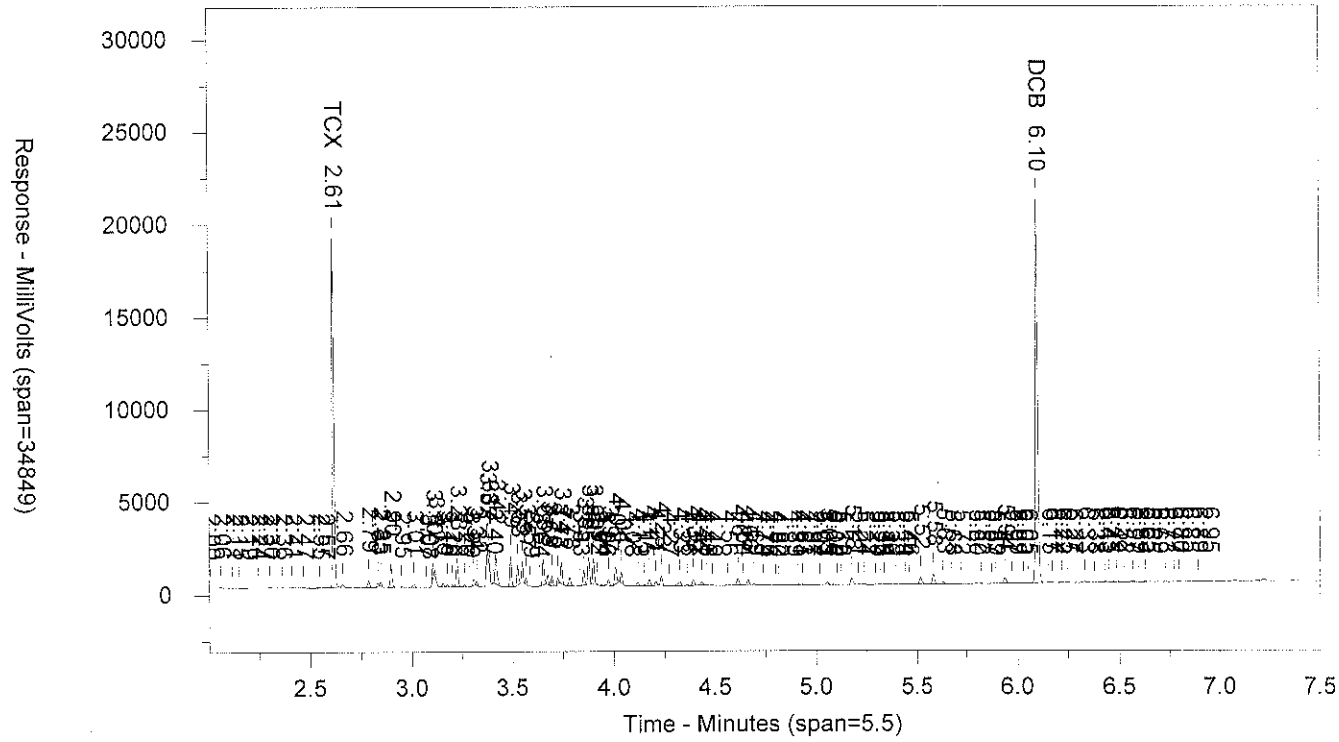

AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082

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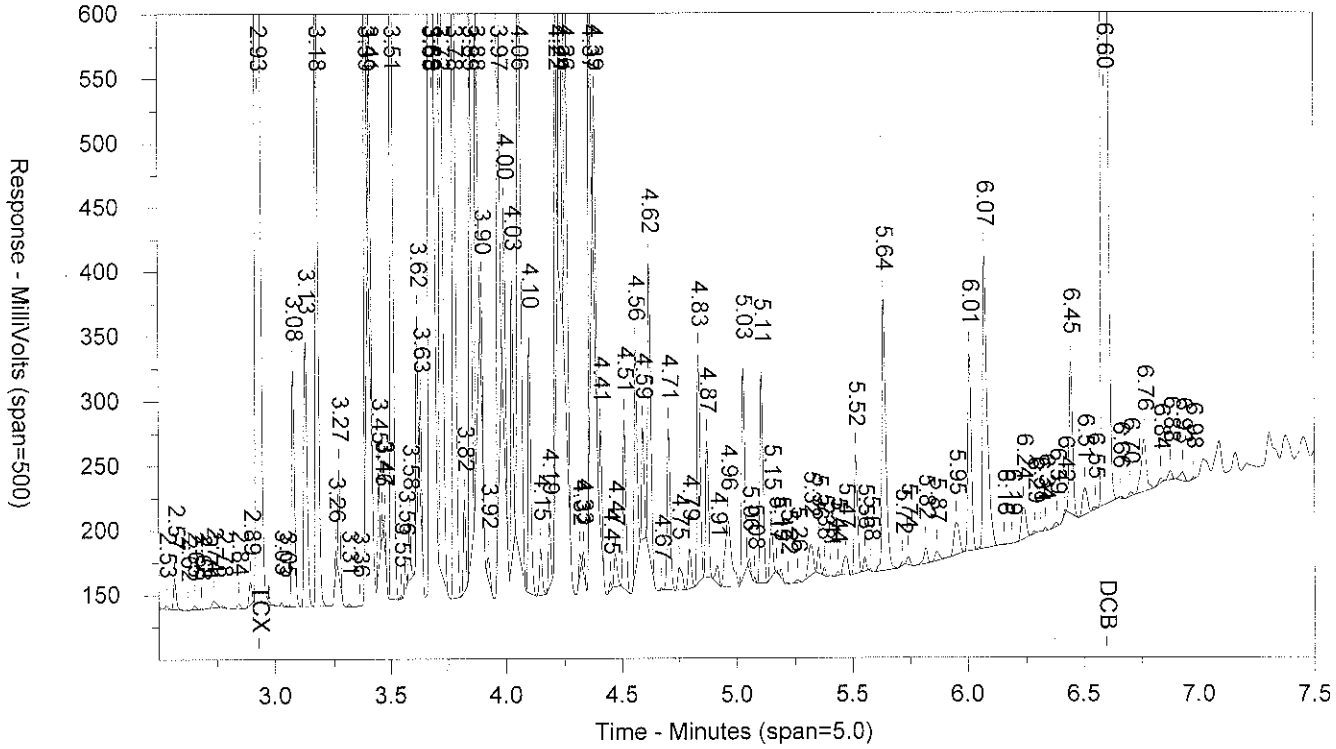

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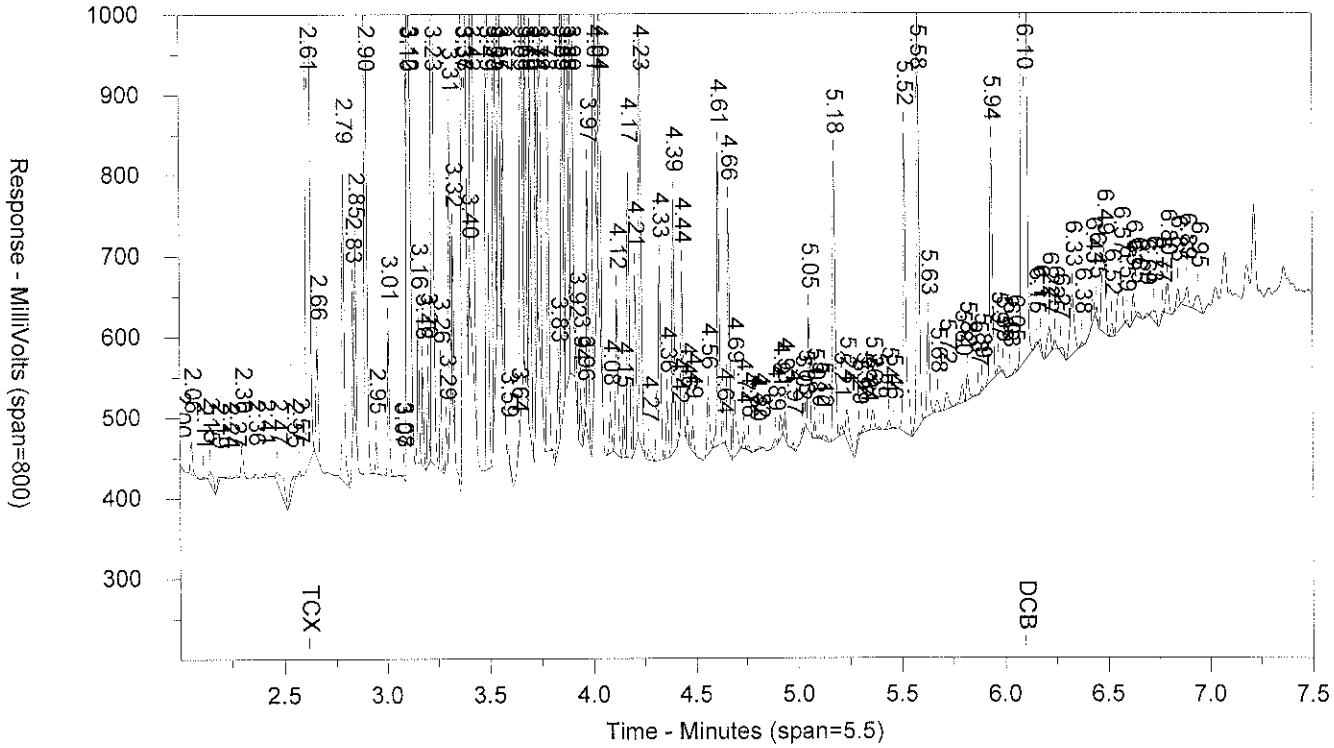

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:22:49 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.012		433	129
2.035		12059	11928
2.088		4994	9507
2.142		1596	1109
2.214		2959	2565
2.252		705	506
2.286		5410	5560
2.329		10637	7334
2.366		818	847
2.49		8151	7983
2.534		2893	3640
2.569		1540	778
2.585		3850	2306
2.652		768	460
2.675		2928	1911
2.708		583	334
2.746		2716	3547
2.777		4459	3391
2.849		5897	4068
2.895		5964	5994
2.925	TCX	7201	5285
3.03		338	375
3.078		7200	7189
3.133		5403	3645
3.156		1111	557
3.179		30572	22336
3.273		14122	17571
3.367		354	347
3.395		22626	13561
3.412		13920	9425
3.448		1706	787
3.465		8554	6221
3.508		55412	41863
3.562		2016	1126
3.585		22387	18692
3.618		2654	1254
3.634		2258	1054
3.652		423	223
3.677		7728	4349
3.688		13346	9079
3.726		59846	50816
3.78		54230	40953
3.822		9289	9813
3.852		27229	20798
3.887		97177	82464
3.925		14657	16125
3.974		27716	22634
3.997		6807	3952
4.029		8417	5469
4.052		80152	78090
4.101		15612	12740
4.136		2263	1291
4.186		25922	16178
4.221		133726	128843

RT A	Compound A	Height A	Area A
4.241		12243	5822
4.265		25072	21282
4.333		6456	3629
4.354		6301	4973
4.376		163190	150810
4.409		24070	18707
4.471		15936	22971
4.51		212466	202513
4.58		137467	174055
4.624		76513	67043
4.674		409651	429496
4.709		77472	58049
4.749		742517	691894
4.792		66095	60587
4.834		69820	71884
4.871		38565	29253
4.896		84897	73852
4.947		769496	936892
4.998		357711	352763
5.038		288793	241156
5.056		23846	12247
5.077		37557	24696
5.117		45417	44481
5.151		740280	726926
5.193		41918	24516
5.219		1094890	997555
5.261		475798	464929
5.324		4125	4660
5.354		195342	155648
5.38		954322	936057
5.436		400298	358001
5.473		165376	201979
5.521		48483	54226
5.56		165113	172400
5.616		2159702	2369667
5.718		885	741
5.768		1045	1356
5.819		1422966	1338736
5.876		672997	992644
5.957		7495	9647
6.012		70451	70263
6.091		351139	404527
6.154		1956	2014
6.205		2553	5360
6.246		814171	832128
6.291		56757	55303
6.371		532	356
6.449		315560	335118
6.51		5236	6163
6.577		1036	869
6.596	DCB	6630	6007
6.657		1759	1926
6.764		4030	6875
6.843		885	1161
6.877		6129	8558
6.945		587	203
6.969		694	258

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:22:49 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.095		10438	28194
2.19		5394	7639
2.227		1667	1850
2.302		5001	4616
2.343		8962	7676
2.414		5702	6277
2.469		19754	88300
2.547		37736	94088
2.592		1987	1852
2.626	TCX	1341	852
2.658		14036	14857
2.714		2352	2276
2.785		17342	16895
2.847		13127	13367
2.898		61863	41437
2.986		3434	2153
3.009		25839	16519
3.078		901	504
3.105		31087	15295
3.116		18647	8262
3.157		5742	3310
3.178		20861	13184
3.202		940	177
3.228		104491	69049
3.263		46891	29410
3.311		10273	6043
3.324		5914	2942
3.352		2274	761
3.375		20078	9402
3.384		35606	14780
3.405		11775	5334
3.425		72882	71244
3.476		508	193
3.493		114342	77470
3.528		55965	33133
3.551		207937	119606
3.568		1763	404
3.583		33184	23419
3.609		5841	2482
3.639		1168	2341
3.655		69488	44244
3.677		34883	19696
3.698		23177	12987
3.727		155358	92742
3.744		11618	4237
3.756		18203	8691
3.783		47555	36226
3.828		124292	124904
3.859		52154	27667
3.875		303824	201968
3.901		26323	14080
3.92		26921	14965
3.94		36341	22429
3.974		350995	246338

RT B	Compound B	Height B	Area B
4.007		58506	34209
4.023		58260	26322
4.036		53288	23953
4.058		1713	850
4.072		20247	11573
4.088		13477	6236
4.108		359821	322638
4.15		25017	16080
4.174		89161	62868
4.216		252087	171785
4.248		935662	698985
4.273		255173	256717
4.325		1731105	1323428
4.365		148818	111309
4.395		59049	37768
4.419		212883	146685
4.435		29771	13648
4.461		1725145	1330711
4.563		1736885	1536869
4.616		342199	272165
4.656		508834	417549
4.69		994055	823929
4.722		2352888	1768205
4.76		1094842	826776
4.821		2883	1579
4.859		494073	396785
4.91		2225150	1822584
4.934		50980	28974
4.982		796039	812155
5.019		284685	218604
5.049		265565	213113
5.103		4641198	3835254
5.145		57564	42342
5.176		291816	246373
5.255		4057	4050
5.293		79102	52114
5.317		1841581	1470574
5.364		3152938	3070492
5.43		1055	521
5.481		2270	2097
5.517		154313	132149
5.563		24400	14754
5.585		94667	77267
5.634		840067	670306
5.714		966	590
5.74		2124954	1784116
5.771		116035	84698
5.842		3214	5077
5.869		3136	2772
5.906		1953	1613
5.939		926504	787219
5.983		2212	2293
6.015		2499	2416
6.053		4319	3790
6.098	DCB	27950	25061
6.162		23859	51160
6.25		5416	11232
6.276		4886	5581
6.33		1082	1783
6.344		1144	422
6.362		1447	905
6.379		1202	500
6.411		1111	412
6.426		2243	1582
6.492		1007	1645
6.516		2139	1958

RT B	Compound B	Height B	Area B
6.559		635	1014
6.582		1051	166
6.622		2752	3047
6.642		1140	538
6.667		1315	896
6.736		3148	11791
6.775		3030	3723
6.809		1196	825
6.875		4834	11749
6.959		863	581

AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082

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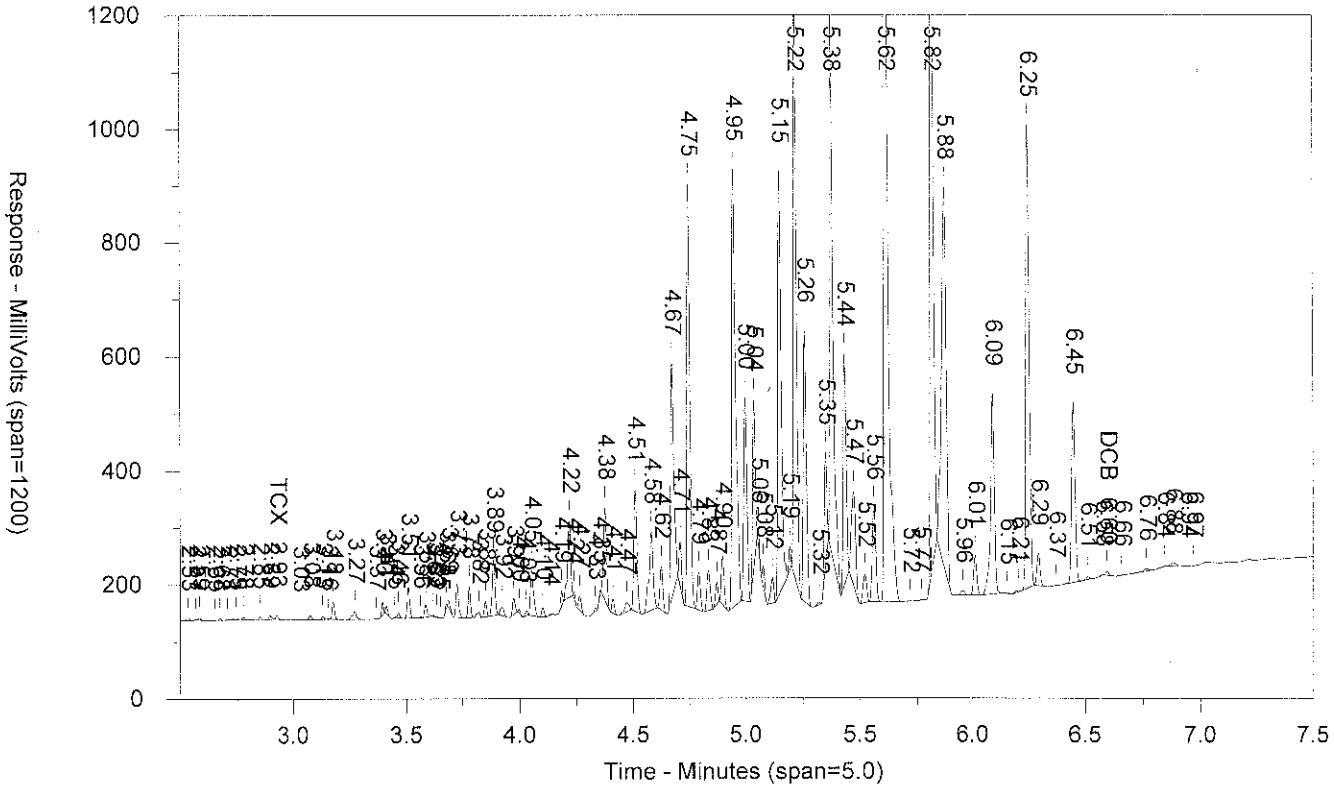

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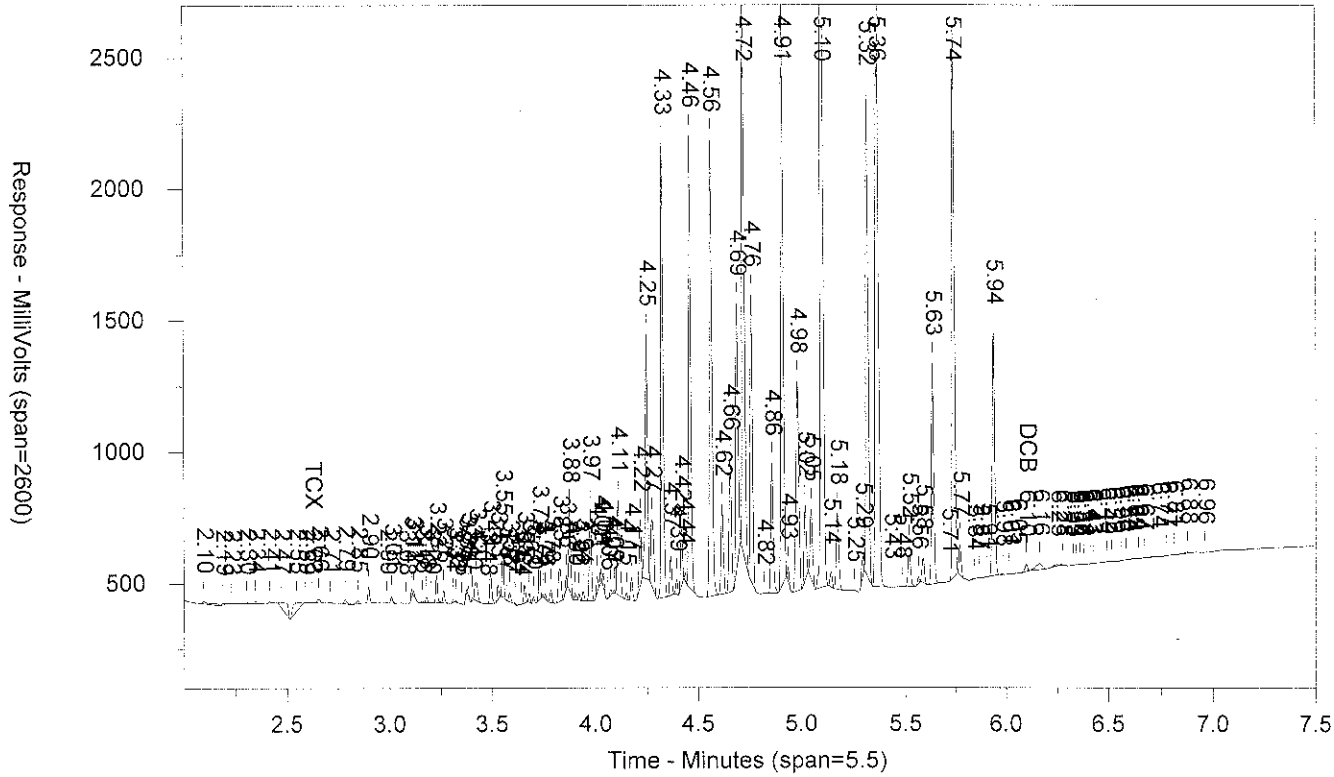

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:22:49 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	7201	.048	TCX	2.626	1341	.005	TCX
6.596	6630	.069	DCB	6.098	27950	.092	DCB

Files:
Area File: 25PCBS17284001.028.RAW
Area File: 25PCBS17284001B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:19 PM
File Reported On: 10/12/2017 at 3:37:36 PM

AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082

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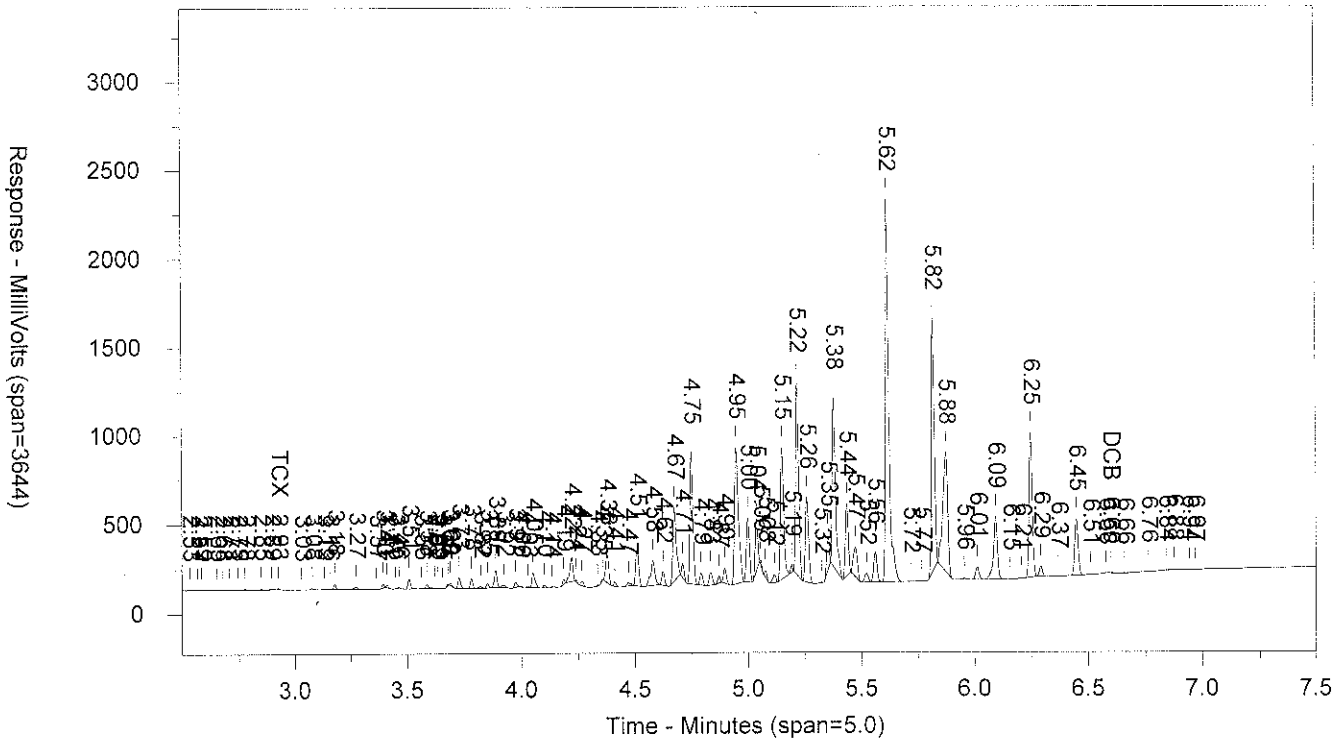

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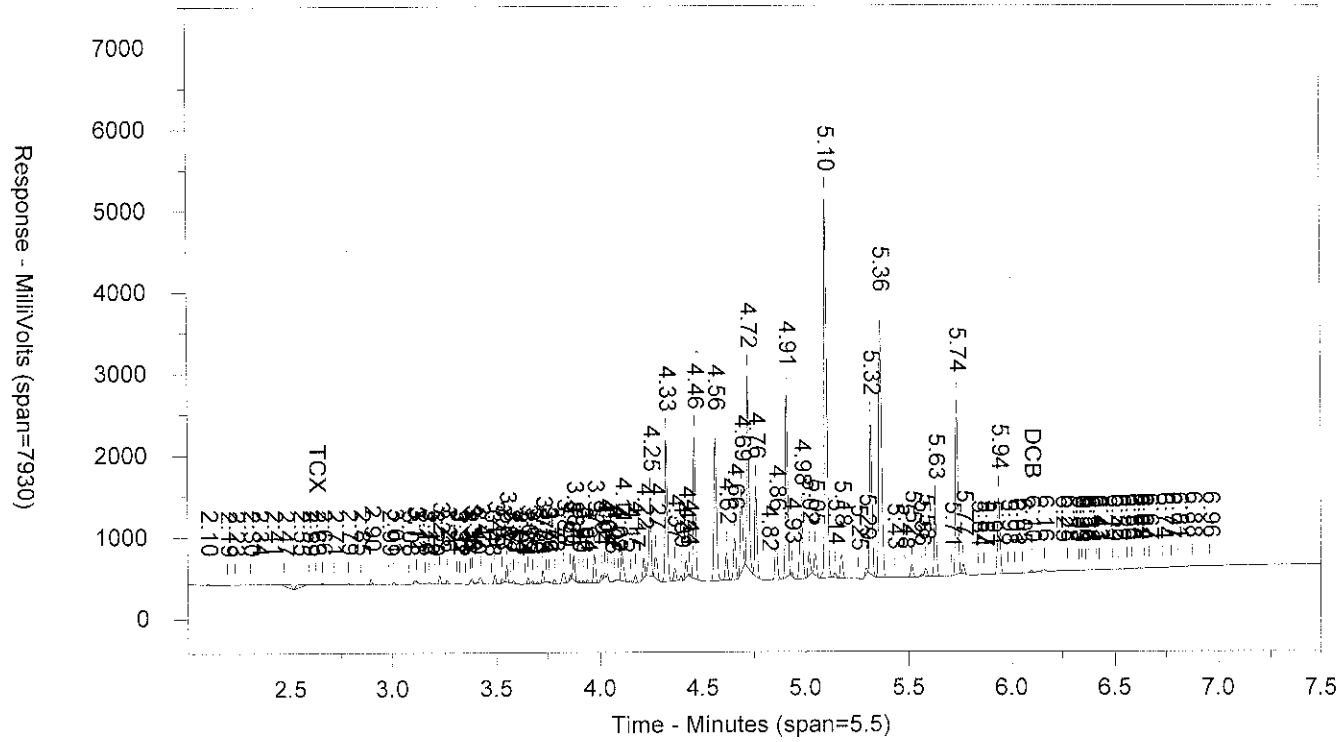

AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082

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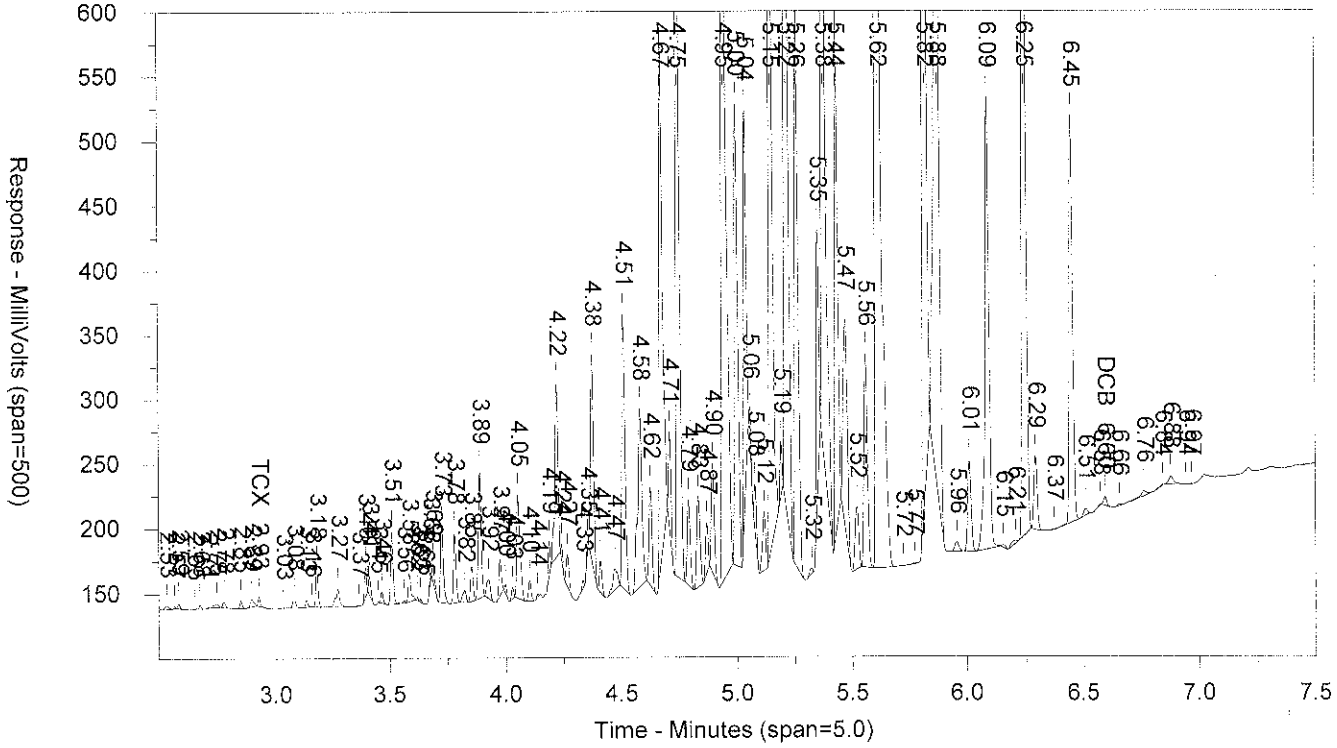

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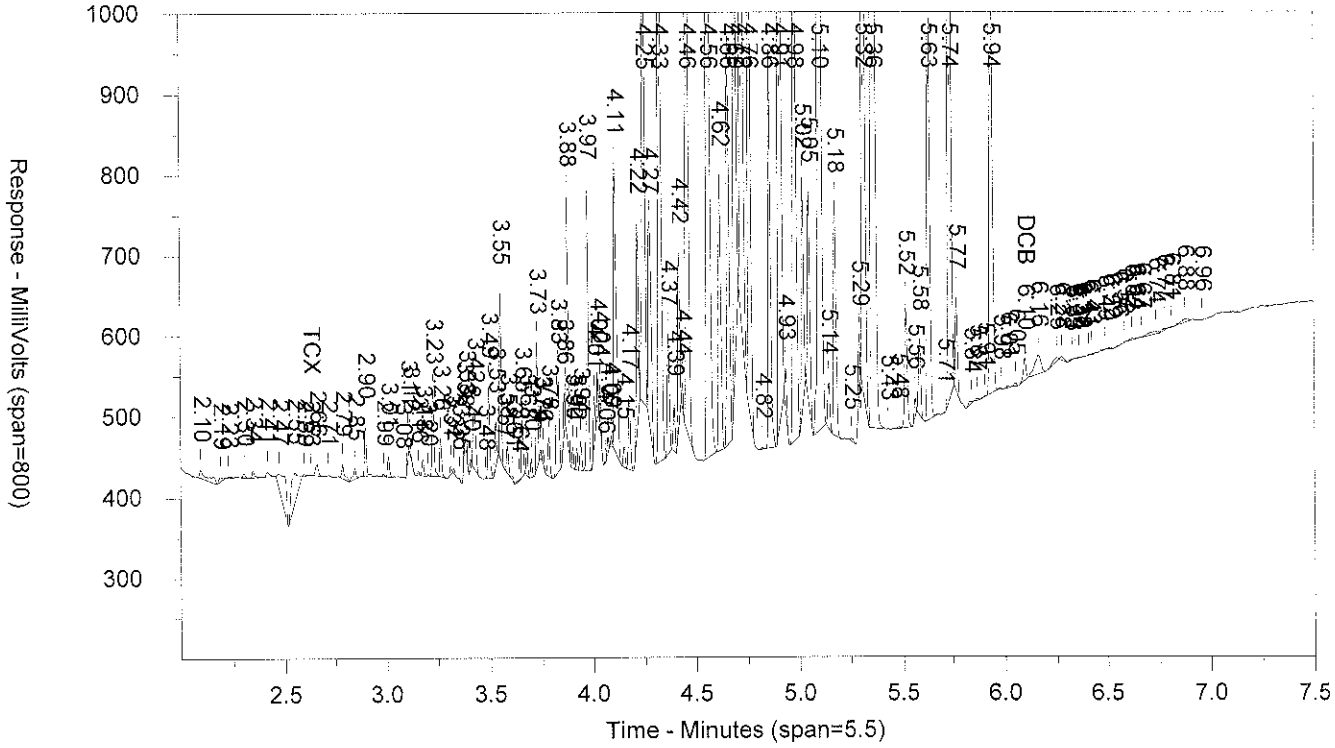

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:34:03 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		13168	12895
2.088		4262	8482
2.213		673	1120
2.253		775	603
2.295		1112	906
2.329		18251	12804
2.373		768	1316
2.437		711	525
2.489		8955	8374
2.53		1486	1503
2.569		1568	1432
2.652		700	972
2.711		443	411
2.747		2760	3402
2.777		4186	3675
2.849		3870	2836
2.894		7339	6435
2.925	TCX	4619	4142
2.993		547	1024
3.077		2308	1964
3.133		2397	2227
3.178		20867	15085
3.26		2228	1196
3.273		8473	4966
3.395		4837	2760
3.413		3929	3365
3.449		465	247
3.464		6579	4639
3.508		37830	29887
3.562		1014	545
3.583		7106	4796
3.601		3240	2155
3.636		770	403
3.655		296	110
3.676		3273	1637
3.687		3109	2571
3.727		39022	30389
3.78		30477	23341
3.823		13275	10263
3.852		8065	6002
3.887		19835	17301
3.925		17522	20006
3.974		9887	6834
3.998		4379	2777
4.029		2782	1788
4.053		53323	56689
4.102		22671	18616
4.136		1683	1107
4.166		1434	823
4.186		5842	3688
4.204		46807	58456
4.242		21395	14567
4.264		13216	10860
4.319		2825	3486

RT A	Compound A	Height A	Area A
4.369		49976	58667
4.408		1492	1364
4.468		23572	20977
4.51		163467	153406
4.566		44429	49327
4.608		640	270
4.624		3980	2731
4.674		9063	7071
4.708		35301	30790
4.749		37741	34762
4.792		109101	100624
4.832		36415	32448
4.872		171680	172219
4.962		38907	42225
4.999		80462	72751
5.035		9880	7953
5.057		17214	13314
5.082		2423	1255
5.112		80271	75494
5.153		30663	26545
5.192		91436	68255
5.219		366234	349565
5.262		55663	51996
5.323		5788	5968
5.354		55374	45353
5.381		99885	64469
5.401		386333	334756
5.437		22329	14903
5.464		165375	176199
5.516		102734	106620
5.561		14816	15390
5.616		193215	156430
5.64		216501	177195
5.721		3251	3195
5.821		2453717	2457307
5.878		2211002	2416444
5.957		6109	7826
6.012		2056730	2042226
6.076		572697	706790
6.156		1898	1543
6.213		597	3089
6.245		892549	877817
6.289		7494	6699
6.327		4179	4054
6.397		1141	1918
6.449		6833717	6911900
6.51		3577	4276
6.597	DCB	1391008	1446910
6.656		4299	3616
6.689		696	422
6.712		823	238
6.742		774	469
6.766		2743	3441
6.836		496	1011
6.88		4665	5411
6.905		2699	2441
6.944		764	250
6.964		639	338

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:34:03 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.156		4755	5423
2.207		4456	10763
2.235		3132	2875
2.27		1423	1060
2.301		3606	3586
2.365		1811	2156
2.416		3102	4294
2.464		10630	76879
2.547		41892	130548
2.658		8672	9110
2.714		2943	2942
2.785		5954	9066
2.848		5078	7007
2.898		41955	29519
3.009		23725	19117
3.076		928	425
3.088		2350	999
3.106		5561	2756
3.116		6368	6206
3.156		2478	1560
3.177		14725	9745
3.203		967	223
3.228		77608	50044
3.263		13927	8816
3.314		10159	10409
3.35		2676	1796
3.375		5800	3357
3.384		7655	3013
3.404		5663	2509
3.426		62758	47693
3.473		460	83
3.494		67784	44350
3.536		21716	19433
3.551		45596	24048
3.567		1801	496
3.584		33242	30150
3.635		1909	2879
3.655		28035	18051
3.677		15311	8772
3.699		7808	4335
3.727		111812	65725
3.743		3018	832
3.756		30699	16941
3.784		56644	38531
3.831		129613	101944
3.859		61587	37457
3.878		73639	45765
3.901		18935	10263
3.92		8978	5191
3.944		7541	4768
3.975		6921	4245
4.023		108393	110985
4.089		26612	15262
4.108		277193	215601

RT B	Compound B	Height B	Area B
4.15		85275	55979
4.174		11846	6933
4.217		38951	30533
4.236		4110	2140
4.248		18418	10269
4.277		15795	15590
4.327		156329	138861
4.366		239789	195285
4.418		38864	21508
4.436		308560	236085
4.563		236050	208581
4.616		78420	64439
4.663		172696	154830
4.692		31043	21493
4.723		845278	829288
4.761		103671	69454
4.822		991	739
4.86		133832	104647
4.909		1401156	1169023
4.936		50312	31534
4.975		335148	322789
5.02		25318	16886
5.035		3781	1340
5.054		163719	132089
5.103		492699	412609
5.176		498755	440001
5.233		1396	493
5.256		5763	6018
5.294		59677	35459
5.318		5490231	4357001
5.365		5573608	4631851
5.466		1823	1183
5.517		5079911	4130071
5.585		1386425	1134787
5.634		336893	279452
5.668		2587	1975
5.74		2231251	1890122
5.771		15774	10288
5.797		2893	2596
5.865		12622	23026
5.938		20277330	17001600
6.02		2141	1278
6.051		3938	3411
6.097	DCB	4446265	3669211
6.158		19743	33020
6.253		3904	6133
6.273		12207	11129
6.352		649	4316
6.404		1843	561
6.433		11302	10466
6.476		1032	624
6.508		1101	519
6.522		1904	878
6.611		1752	6639
6.626		912	405
6.679		1234	223
6.718		1774	1110
6.734		1684	1391
6.77		801	909
6.789		1411	518
6.876		1185	1181
6.9		1410	1761
6.964		1406	1229

AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082

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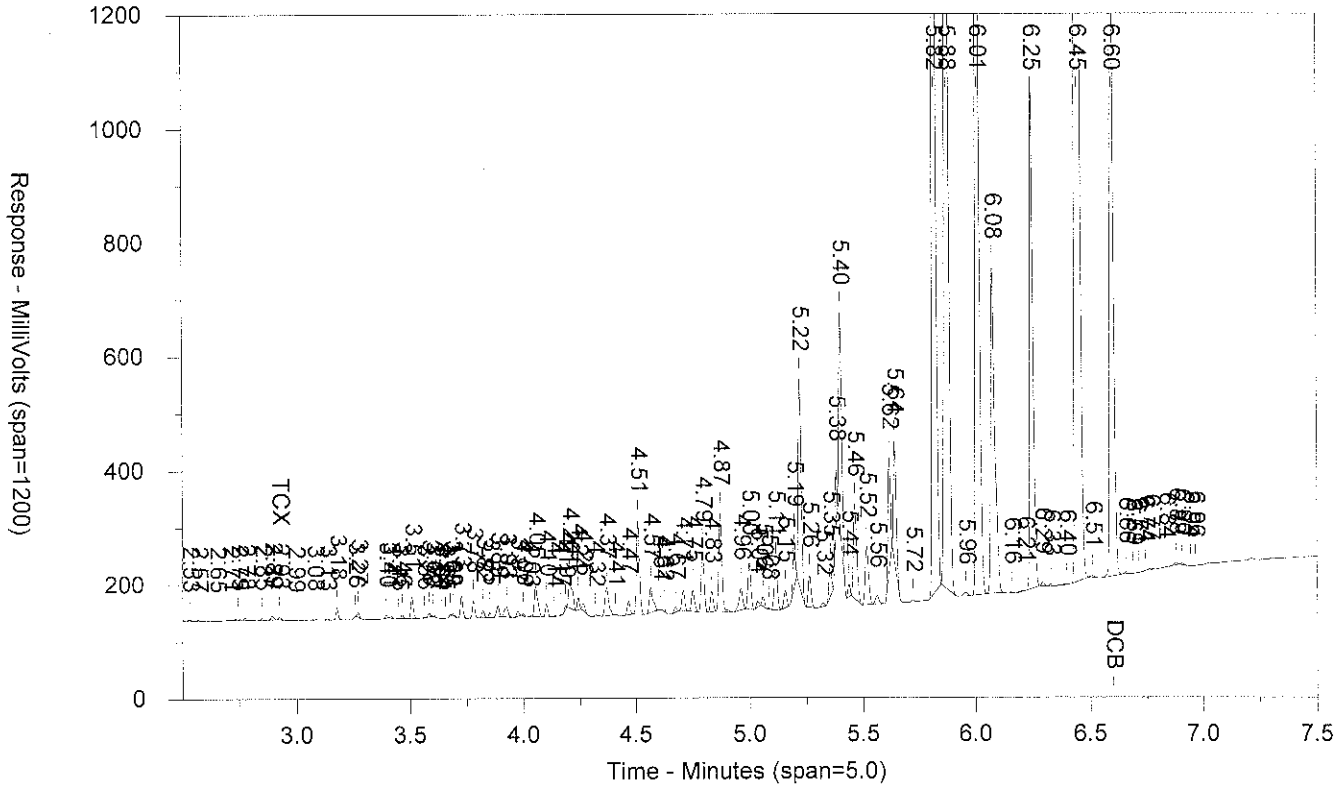

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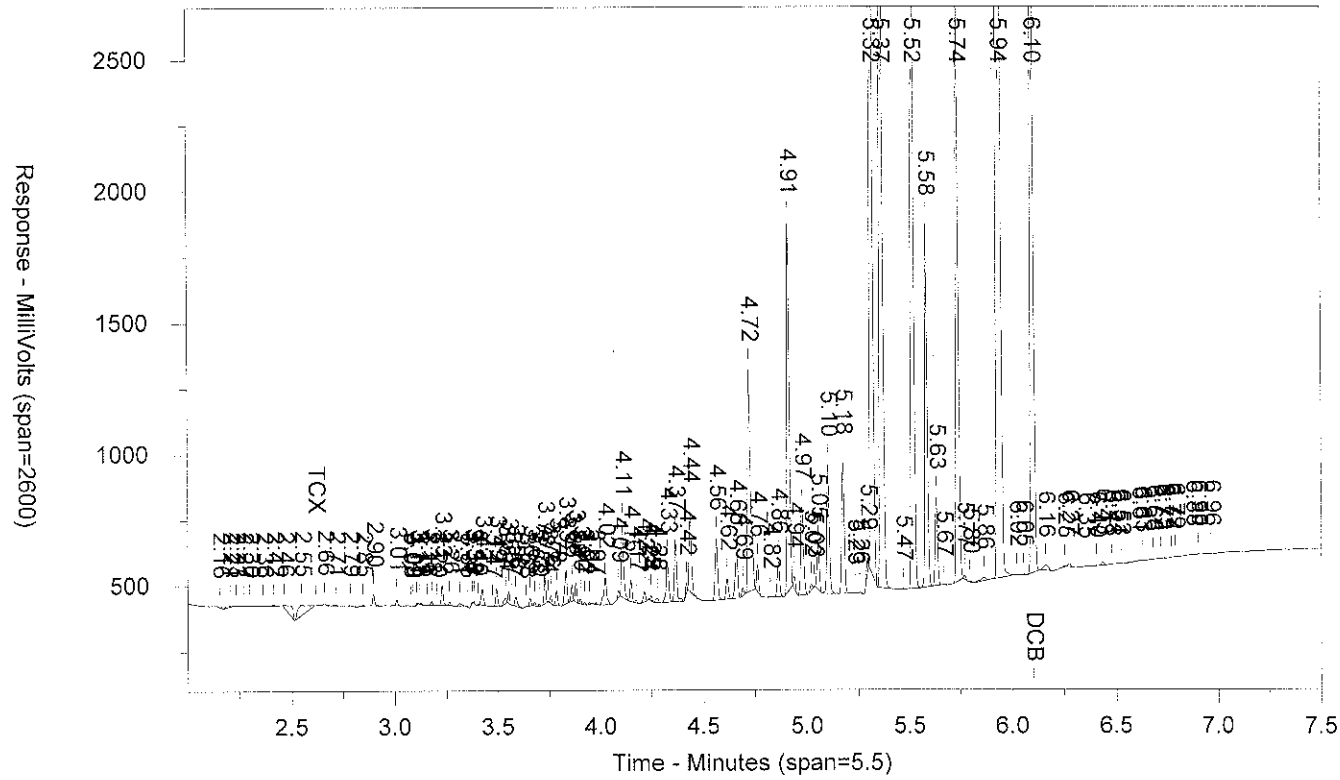

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:34:03 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	4619	.031	TCX		0		TCX
6.597	1391008	14.431	DCB	6.097	4446265	14.687	DCB

Files:
Area File: 25PCBS17284001.029.RAW
Area File: 25PCBS17284001B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:20 PM
File Reported On: 10/12/2017 at 3:37:52 PM

AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082

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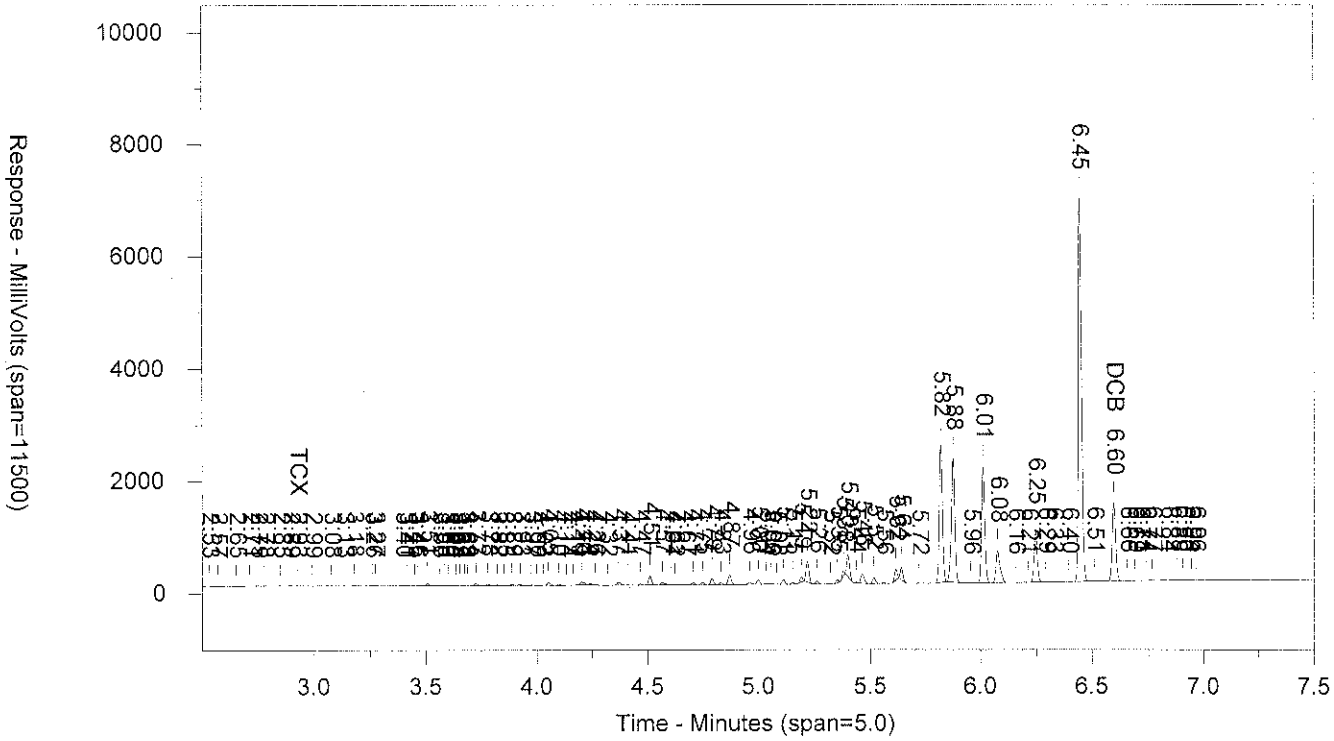

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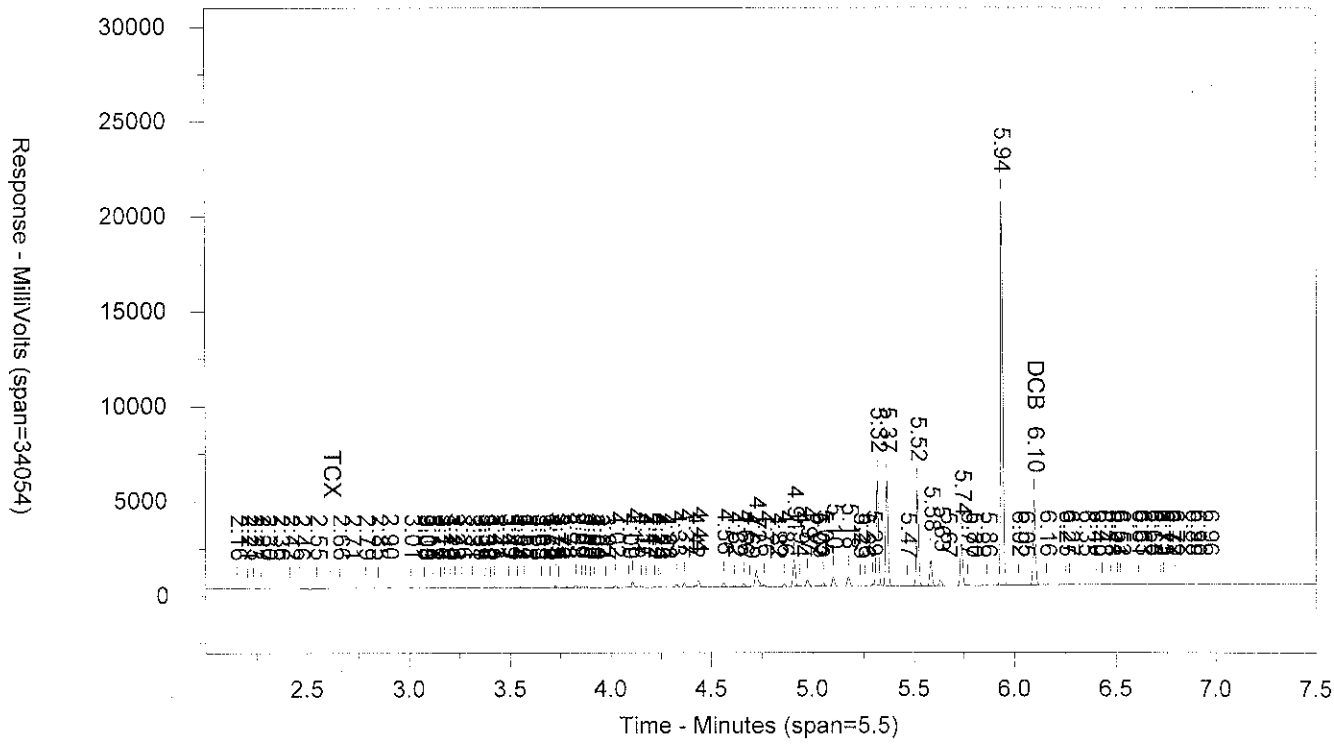

AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082

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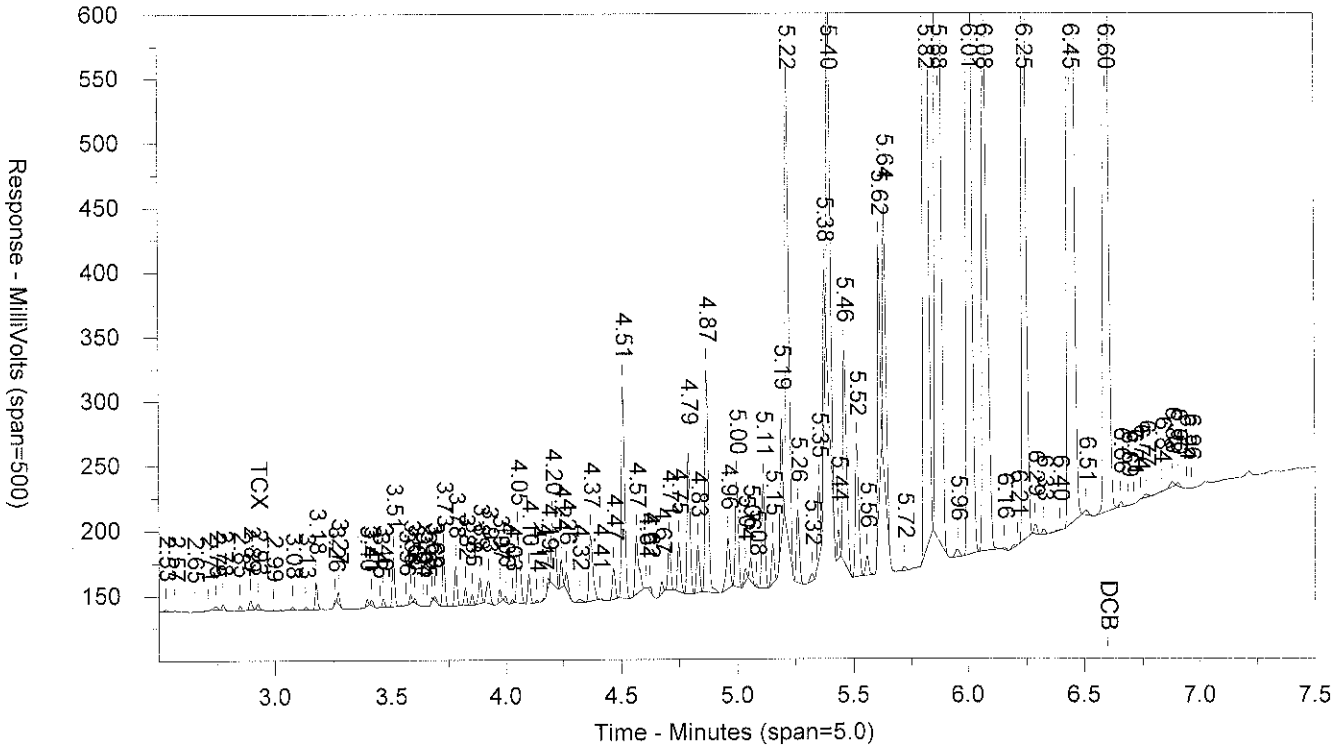

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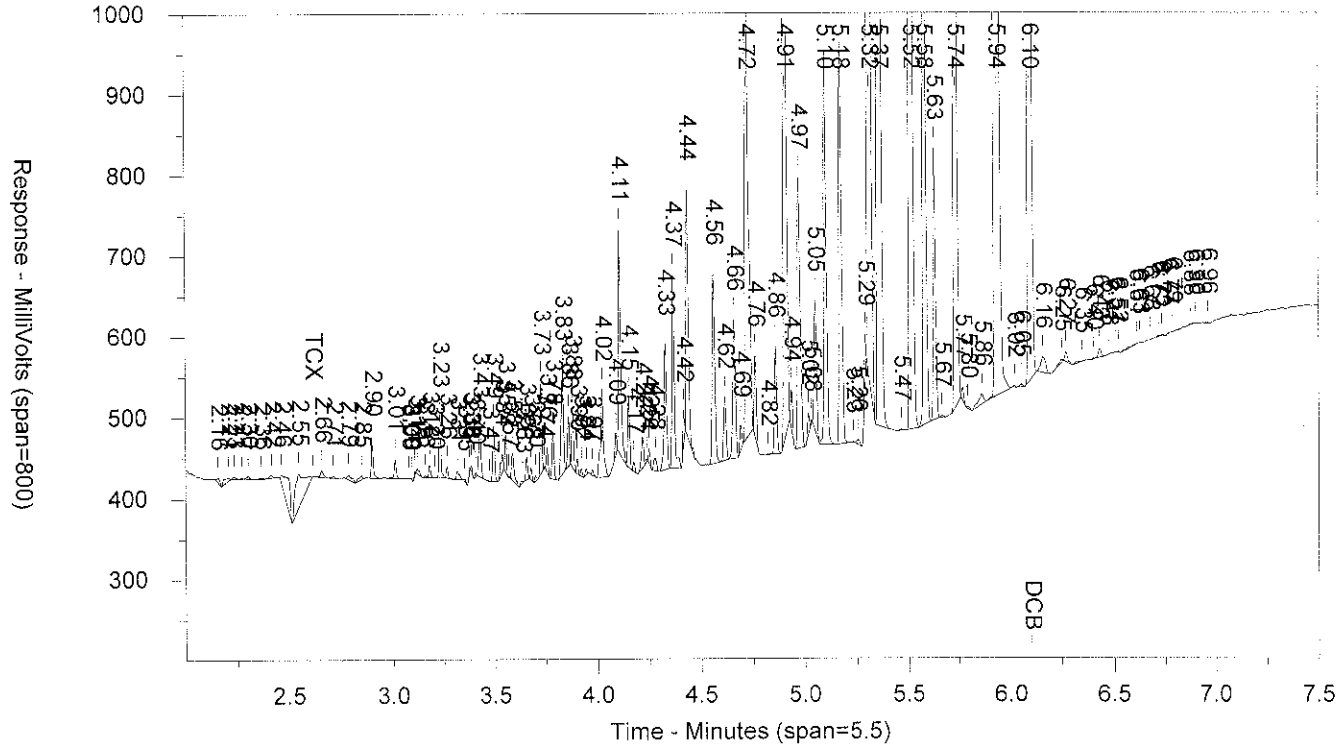

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:45:23 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.011		488	160
2.035		12243	11802
2.088		8575	23480
2.231		42041	33551
2.296		836	729
2.338		22139	26111
2.431		3976	3348
2.491		8231	8649
2.53		1872	1627
2.569		15955	12555
2.681		482	258
2.711		383	243
2.748		2345	3223
2.778		9612	9298
2.843		2309	1993
2.896		5623	4110
2.93	TCX	9192271	6345238
3.027		2597	1606
3.048		675	397
3.078		119985	102617
3.129		151672	144576
3.18		481572	352222
3.257		12086	6246
3.273		56912	36229
3.315		1805	1327
3.366		428	280
3.395		446448	264415
3.412		192435	105588
3.449		50214	28160
3.465		9873	4119
3.475		16857	8508
3.51		552303	440188
3.546		1720	773
3.566		17681	10410
3.585		20100	11908
3.619		109020	62298
3.634		51616	26091
3.677		190517	115416
3.688		483727	257969
3.725		605948	486634
3.782		532854	411365
3.823		48087	34031
3.851		316452	236430
3.879		222700	189715
3.9		51144	26901
3.927		5634	3553
3.974		366368	270297
3.997		121882	79785
4.03		150298	106114
4.062		389744	394241
4.102		133833	108522
4.149		15648	12856
4.188		18970	13351
4.221		120388	84721

RT A	Compound A	Height A	Area A
4.24		98840	64243
4.263		101717	76399
4.321		788	640
4.333		2041	1231
4.368		42114	51589
4.409		1897	1258
4.468		6034	5463
4.515		20560	21419
4.566		25561	26978
4.61		4809	5703
4.708		8103	8828
4.792		4579	4721
4.833		5733	5454
4.871		105106	103344
4.964		11805	13497
5		6682	5778
5.035		714	628
5.058		15948	14841
5.112		137376	136744
5.154		1162	1050
5.193		5405	5100
5.271		537	569
5.322		6281	8150
5.358		2618	1866
5.38		3572	2425
5.402		1757	1606
5.44		2576	2011
5.473		12033	16926
5.516		82096	84372
5.577		378	199
5.64		162480	167055
5.728		785	989
5.753		320	100
5.763		391	146
5.822		6883	8048
5.868		6388	8020
5.957		5338	8378
6.012		134061	136646
6.076		198171	240052
6.137		539	133
6.209		604	222
6.244		5573	7300
6.285		2177	2006
6.323		406	466
6.334		650	251
6.383		1264	1842
6.45		98977	102530
6.51		4195	5729
6.598	DCB	5271977	5381576
6.673		660	290
6.7		478	249
6.727		670	379
6.765		2712	3445
6.808		536	310
6.839		662	804
6.856		687	268
6.879		6240	12351

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:45:23 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		35393	27775
2.144		10426	15952
2.187		5291	4028
2.207		2080	1433
2.302		30002	21929
2.41		3023	3494
2.496		11321	17600
2.548		20784	22261
2.572		4209	2136
2.615	TCX	16646250	9726203
2.658		97765	72855
2.786		246944	173244
2.833		153119	75496
2.847		136492	66657
2.898		872589	539528
2.948		35012	20162
3.01		128892	81451
3.064		916	350
3.07		995	461
3.082		692	108
3.105		656781	323267
3.116		225485	81924
3.157		131315	78104
3.178		82762	47155
3.203		83610	45789
3.227		1027862	685908
3.264		50804	28622
3.291		42741	21645
3.31		247439	129245
3.325		133122	65955
3.352		3560	1837
3.375		570348	244754
3.385		1041980	438168
3.405		43497	16897
3.419		999121	685178
3.493		1093504	676410
3.528		695948	421503
3.551		761993	426008
3.569		253055	129192
3.634		806	1015
3.655		934480	601807
3.678		334049	189674
3.699		347591	205106
3.727		239688	121129
3.744		737205	452040
3.785		293788	208405
3.833		37986	31540
3.854		208040	129050
3.877		424903	272532
3.901		191647	116454
3.92		33423	17169
3.943		9321	7451
3.976		17670	11251
4.01		13844	7563

RT B	Compound B	Height B	Area B
4.024		49109	33395
4.091		11529	11840
4.108		12087	6828
4.132		21375	12740
4.151		53480	33708
4.218		17490	12116
4.236		2128	1247
4.33		18425	15471
4.366		11015	8582
4.437		212697	192357
4.48		1115	587
4.563		28908	28114
4.618		39599	30904
4.664		278802	228820
4.712		1494	1707
4.74		9228	7929
4.767		1443	902
4.861		2210	2089
4.911		14768	12039
4.937		7473	5857
4.976		23865	20651
5.021		6005	3649
5.037		5865	2857
5.056		124959	99331
5.104		1436	855
5.145		902	302
5.177		289016	249894
5.295		4404	3895
5.318		8172	6762
5.365		21093	20092
5.432		775	1065
5.474		1392	974
5.517		287419	254961
5.585		442602	378256
5.634		101887	88169
5.716		2290	2028
5.743		5216	4325
5.793		3289	4731
5.846		1418	2725
5.875		1318	1620
5.892		1941	587
5.939		265428	225988
5.972		5334	3390
5.989		2024	1137
6.018		2532	1523
6.058		4282	4567
6.097	DCB	15748120	13989980
6.157		13069	19244
6.249		7012	17031
6.337		1198	2360
6.373		1140	1804
6.389		1521	368
6.433		3147	4590
6.482		1750	1462
6.503		2341	2498
6.548		18053	15278
6.581		1504	943
6.617		1532	1724
6.628		1071	616
6.681		1592	2584
6.725		4337	6279
6.766		1172	334
6.791		1148	900
6.85		1846	2425
6.887		2001	2096
6.926		866	443

RT B	Compound B	Height B	Area B
6.936		1294	420
6.99		1631	914

AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082

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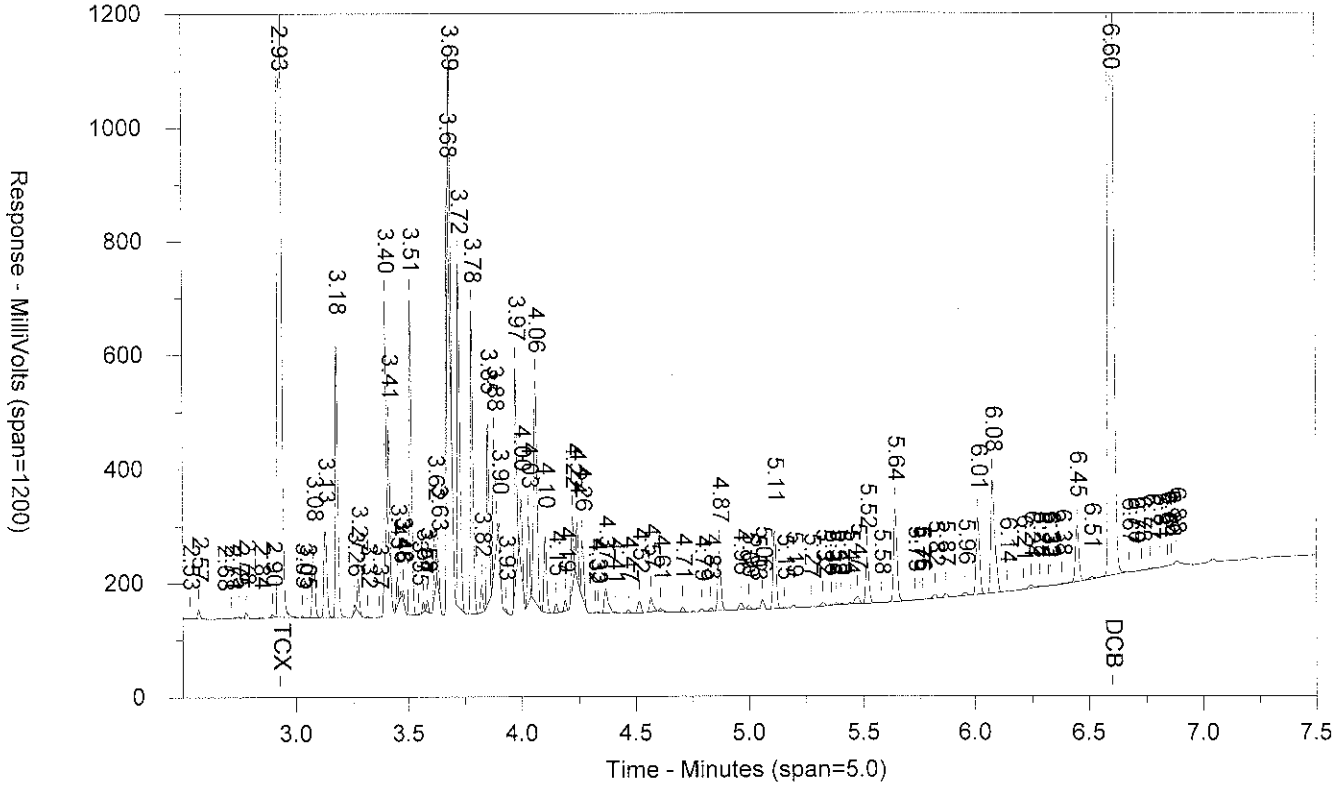

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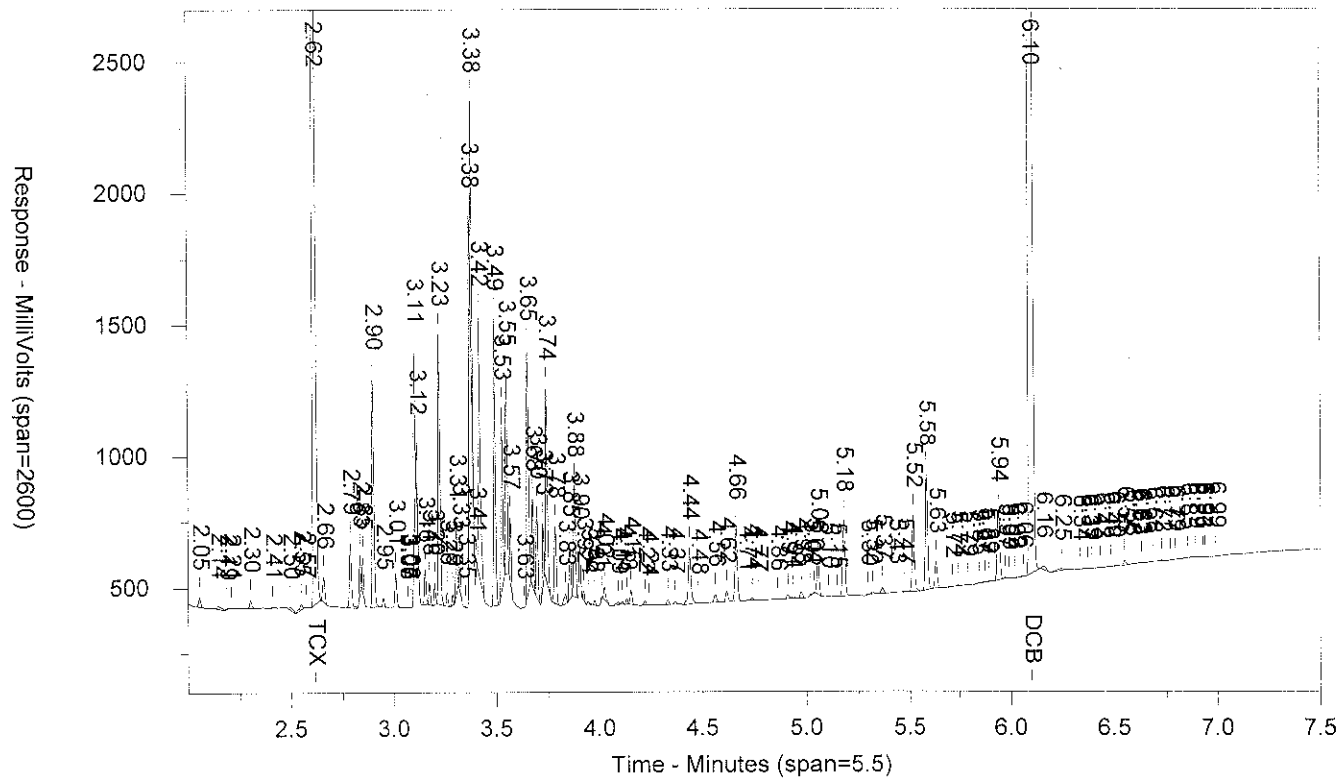

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:45:23 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	9192271	60.928	TCX	2.615	16646250	61.101	TCX
6.598	5271977	54.693	DCB	6.097	15748120	52.019	DCB

Files:
Area File: 25PCBS17284001.030.RAW
Area File: 25PCBS17284001B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:20 PM
File Reported On: 10/12/2017 at 3:38:08 PM

AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082

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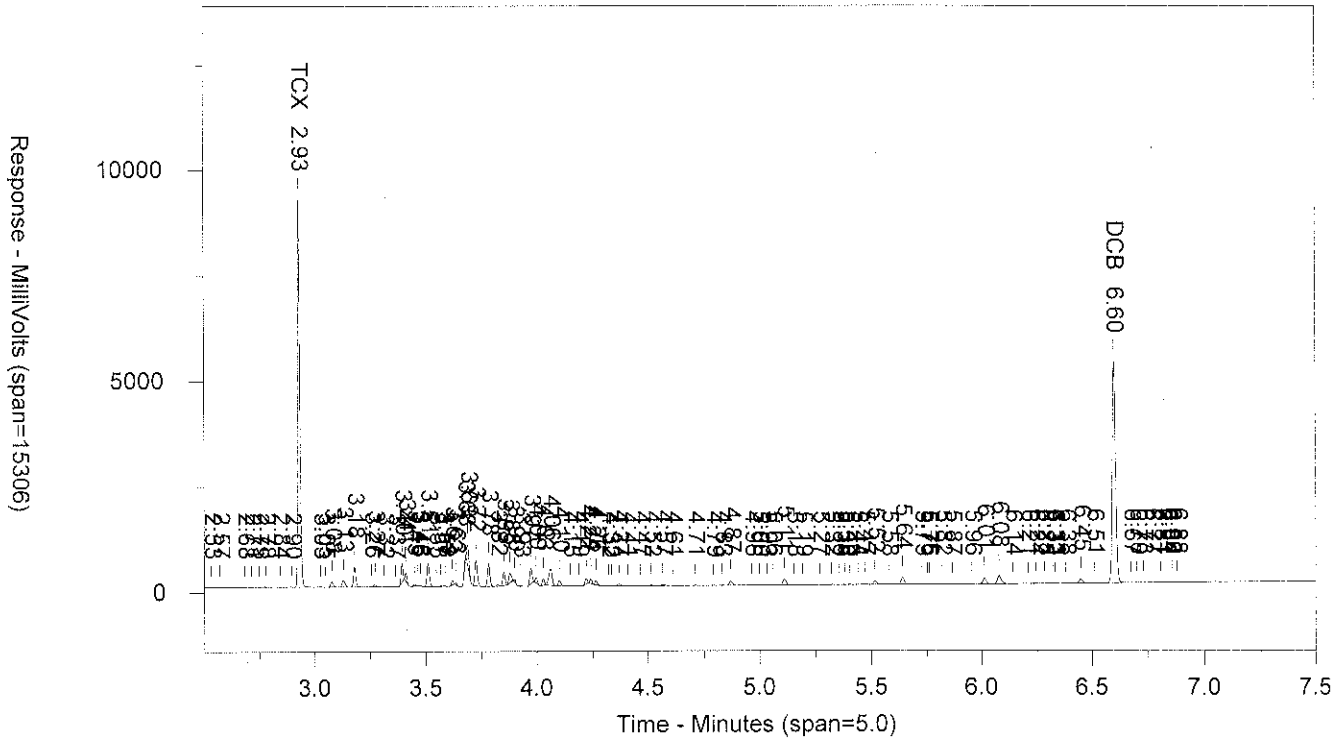

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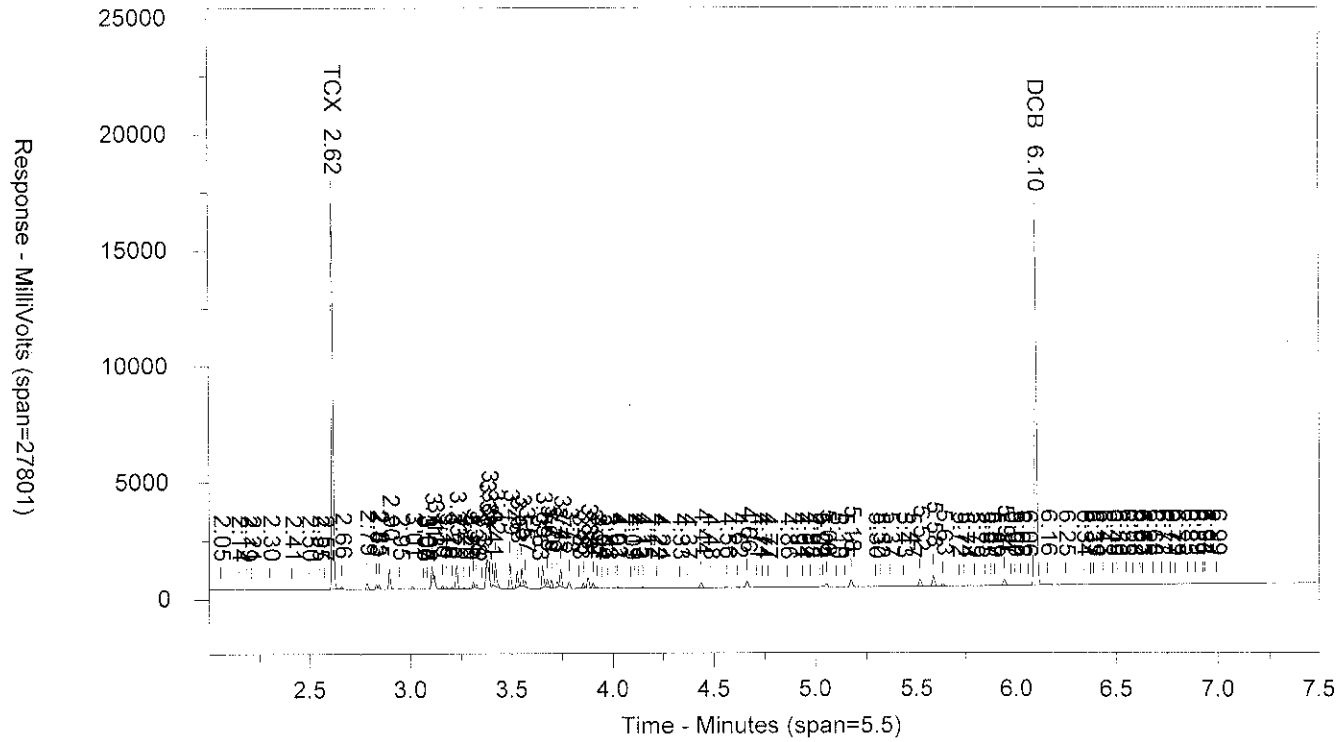

AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082

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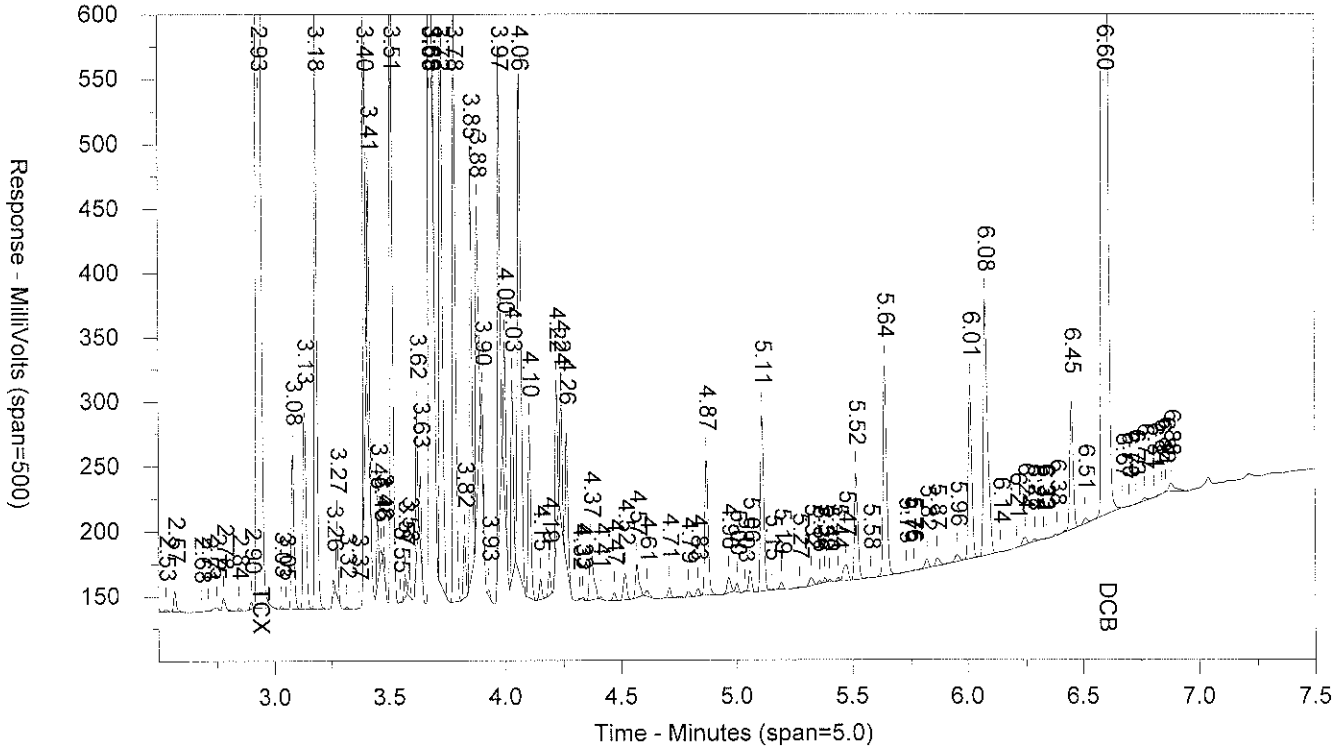

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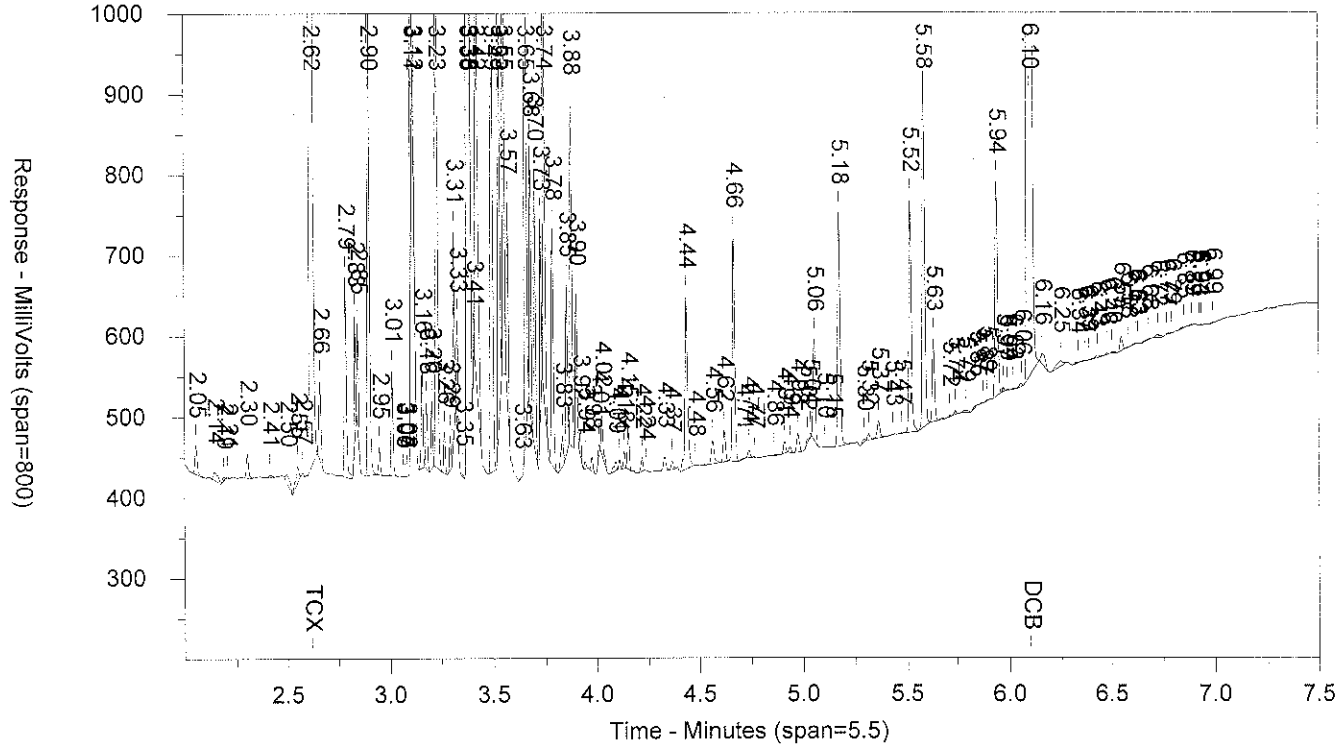

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:57:15 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		10485	10001
2.089		14508	38709
2.299		858	819
2.33		9474	6353
2.373		748	742
2.403		488	301
2.49		7050	6953
2.529		1614	1655
2.656		503	470
2.698		335	746
2.746		2766	3144
2.778		19127	18908
2.853		493	314
2.895		5420	4827
2.93	TCX	58171	41048
3.022		520	745
3.077		3845	3915
3.134		3620	3107
3.181		15157	10938
3.241		206	156
3.262		5472	7688
3.34		284	220
3.366		618	465
3.398		13741	8126
3.415		6407	3569
3.452		1305	692
3.48		1063	1204
3.512		17890	15068
3.589		704	392
3.607		2725	1721
3.623		2045	887
3.638		1518	642
3.682		7765	4437
3.693		12472	6368
3.73		19669	15125
3.786		16979	12684
3.827		1164	739
3.855		11239	8172
3.885		8815	12774
3.931		4767	4624
3.978		11466	8337
4.002		4124	2563
4.035		4622	3468
4.066		11956	13041
4.106		3802	3156
4.172		2950	2172
4.226		12925	12833
4.271		8726	10128
4.338		1584	1235
4.38		12445	13241
4.413		855	528
4.468		444	313
4.516		5805	5800
4.569		1676	911

RT A	Compound A	Height A	Area A
4.586		2819	1522
4.629		8228	11008
4.679		10933	11513
4.715		2645	1932
4.754		26189	25391
4.8		1120	1018
4.839		4045	4125
4.876		876	615
4.9		5221	4626
4.952		29628	44009
5.003		5113	4287
5.043		13724	15489
5.084		494	212
5.123		2939	3807
5.156		36190	36432
5.197		876	471
5.224		18238	16511
5.266		10632	10528
5.328		4982	6170
5.359		4612	3192
5.385		19282	17706
5.442		9380	9459
5.48		5231	5262
5.522		1468	1701
5.564		6239	6442
5.62		47782	43318
5.654		4071	4225
5.732		481	741
5.766		443	409
5.824		32284	29914
5.88		8264	14628
5.958		4698	7574
6.019		1537	1525
6.096		6008	8439
6.161		903	1364
6.25		17262	19832
6.286		608	488
6.322		495	180
6.4		523	1140
6.454		4325	5183
6.517		3634	5042
6.604	DCB	47457	55023
6.642		585	180
6.666		622	145
6.774		2159	3382
6.812		685	270
6.886		9055	27956
6.986		782	318

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:57:15 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		2218	1560
2.155		4668	4777
2.234		1153	11756
2.411		2949	3478
2.465		3311	2400
2.547		37267	31979
2.613	TCX	114190	68779
2.659		4135	3864
2.712		2597	2159
2.784		7886	8914
2.846		8465	10560
2.898		31015	20276
3.009		4242	4620
3.074		528	242
3.089		1168	422
3.104		22317	10186
3.116		8780	3231
3.156		4084	2574
3.178		3133	1840
3.202		2509	1343
3.227		35691	23309
3.249		1166	274
3.265		3321	2069
3.279		914	287
3.29		795	113
3.311		8013	4285
3.326		5858	3077
3.35		1478	1283
3.376		19046	8512
3.386		31684	13221
3.406		1748	626
3.419		34035	23580
3.454		969	363
3.469		634	181
3.494		35691	23895
3.53		26180	16169
3.553		34313	18892
3.571		8215	3824
3.61		2253	1412
3.635		953	728
3.657		31623	20827
3.68		11473	6325
3.701		10530	6181
3.731		11031	6041
3.747		21114	13275
3.788		10041	7192
3.833		4687	4251
3.857		7421	4767
3.879		31594	19949
3.905		5891	3567
3.924		1959	759
3.948		11244	9555
3.977		27475	18580
4.011		1658	693

RT B	Compound B	Height B	Area B
4.025		4323	2871
4.08		9385	8278
4.111		10688	11835
4.153		3854	3171
4.178		6745	5111
4.22		8421	5046
4.24		4426	2501
4.251		17971	10550
4.277		10459	10040
4.329		63329	49402
4.371		3301	3151
4.397		5179	3181
4.423		14837	13527
4.465		65008	53365
4.516		1439	688
4.566		52149	54584
4.62		8151	6149
4.659		15036	14716
4.694		50965	42944
4.726		31936	23621
4.764		22223	17973
4.84		1446	1424
4.864		6836	6831
4.913		41051	32090
4.938		4884	3370
4.986		15483	12844
5.023		10916	8348
5.053		8067	6264
5.084		2471	1139
5.107		85510	73225
5.147		1639	979
5.179		5428	5532
5.234		1527	995
5.299		2424	2089
5.32		20412	17254
5.366		60216	64271
5.437		875	788
5.469		2101	1602
5.5		1194	751
5.521		2498	2302
5.588		6670	9620
5.637		14391	14588
5.693		1242	1776
5.744		32436	29499
5.78		1392	894
5.801		3061	3215
5.865		710	4826
5.918		1394	2594
5.942		11997	10349
5.984		2464	1721
6.026		1814	2110
6.059		3906	3782
6.1	DCB	139848	121309
6.163		24555	44727
6.254		6048	16145
6.287		3359	2885
6.323		1165	311
6.353		1146	369
6.369		1448	797
6.387		1592	554
6.45		1733	1582
6.481		1254	896
6.5		749	968
6.522		2051	1595
6.57		1134	447
6.586		982	374

RT B	Compound B	Height B	Area B
6.616		1358	321
6.648		879	451
6.684		959	1703
6.704		934	783
6.739		1729	1354
6.783		1455	2057
6.812		1550	1318
6.846		1313	835
6.907		727	3139
6.918		1954	1780
6.961		1762	1164

MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082

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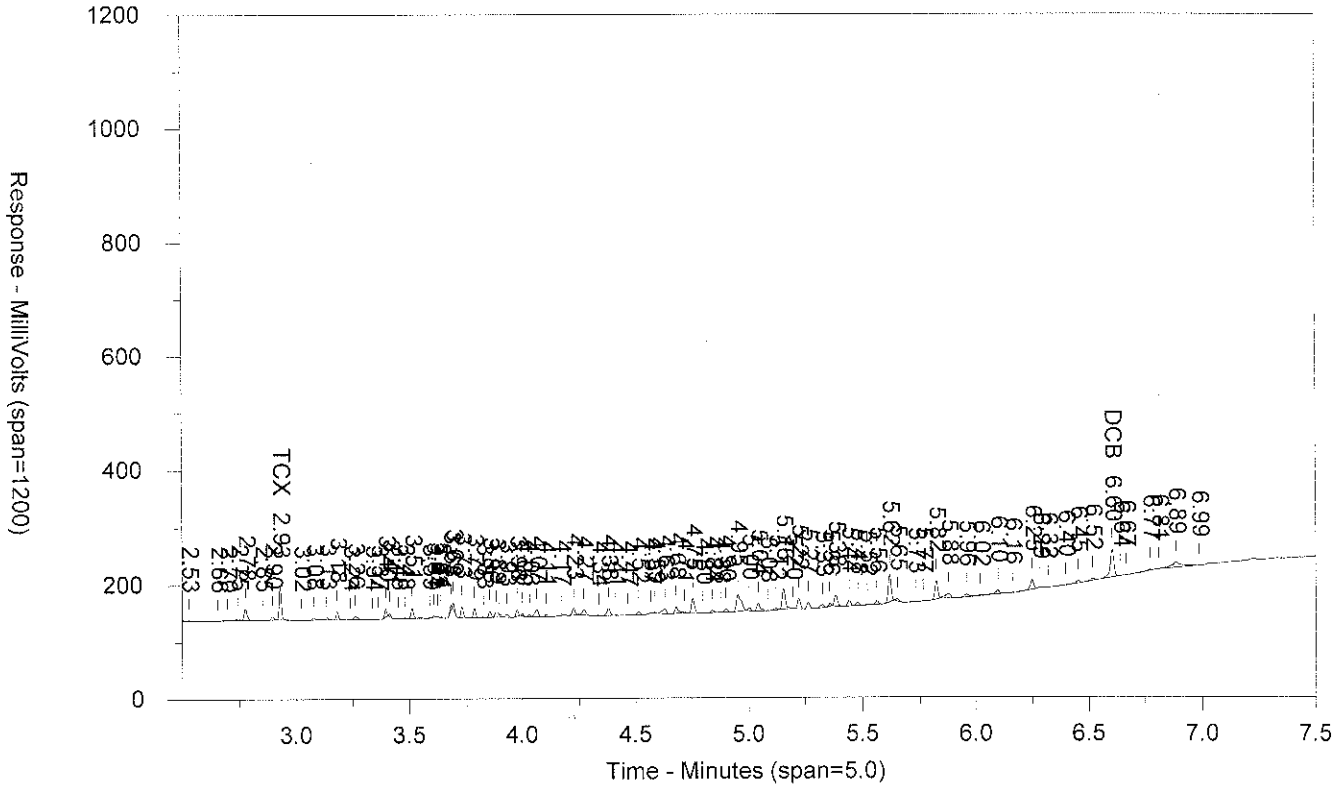

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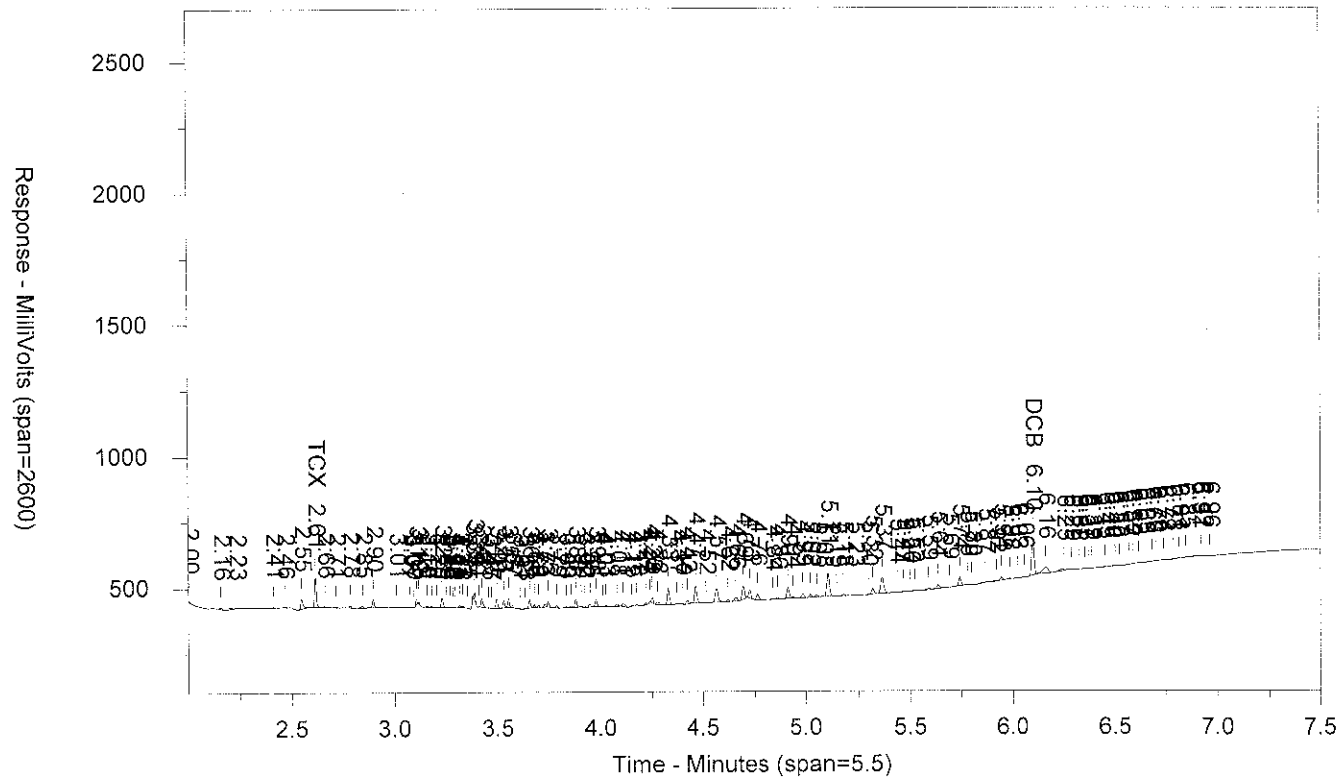

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:57:15 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	58171	.386	TCX	2.613	114190	.419	TCX
6.604	47457	.492	DCB	6.1	139848	.462	DCB

Files:
Area File: 25PCBS17284001.031.RAW
Area File: 25PCBS17284001B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:20 PM
File Reported On: 10/12/2017 at 3:38:24 PM

MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082

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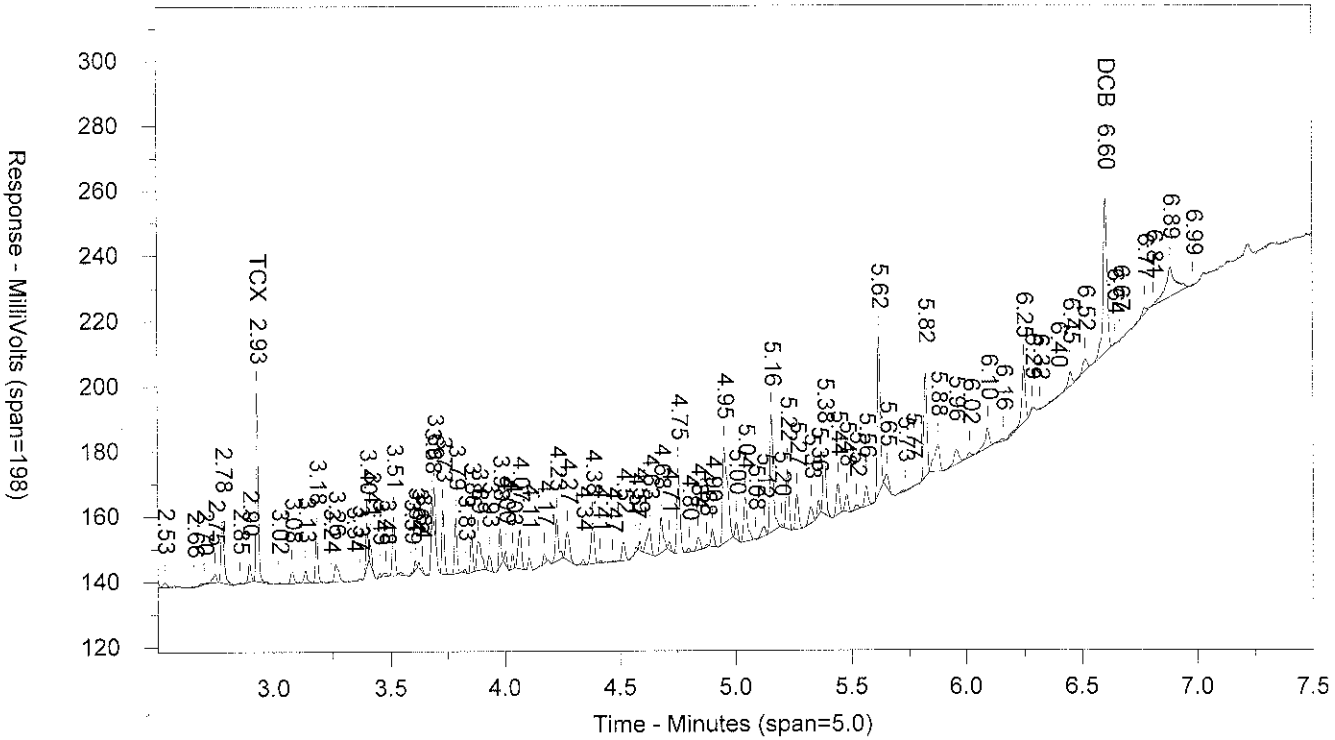

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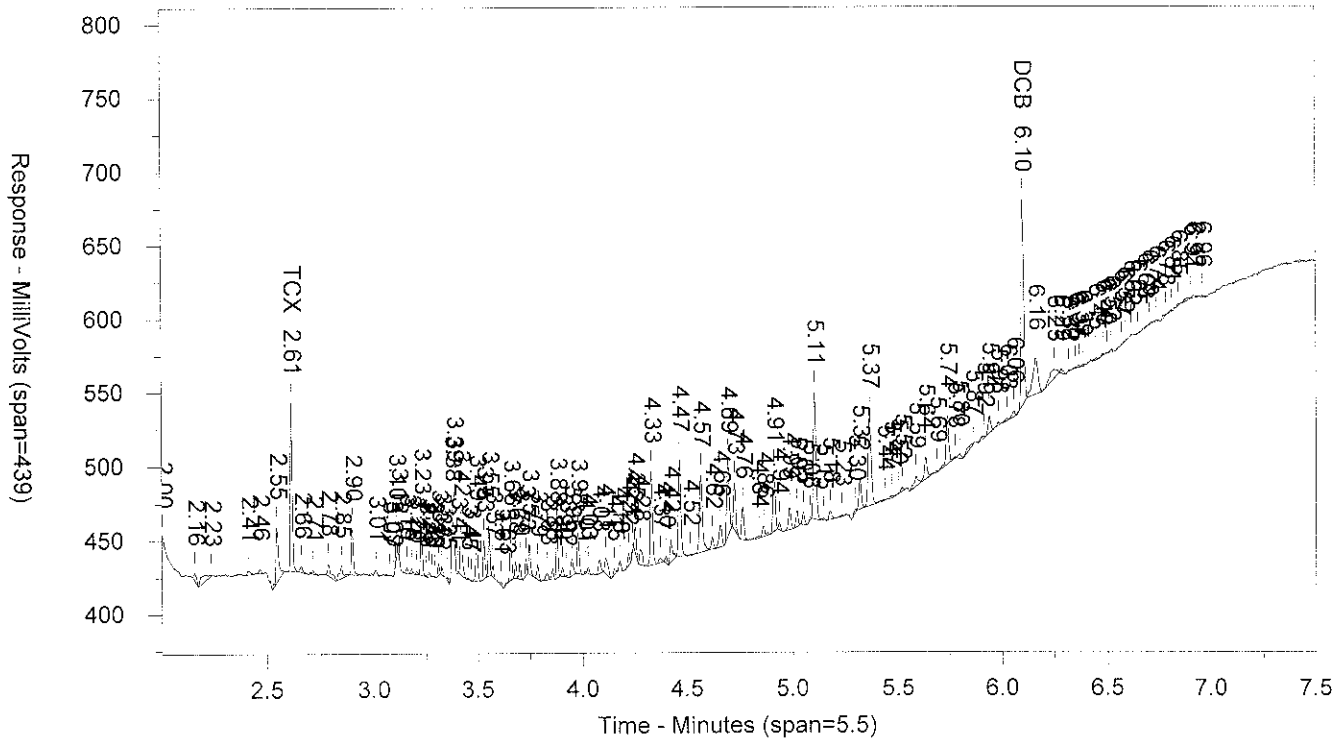

MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082

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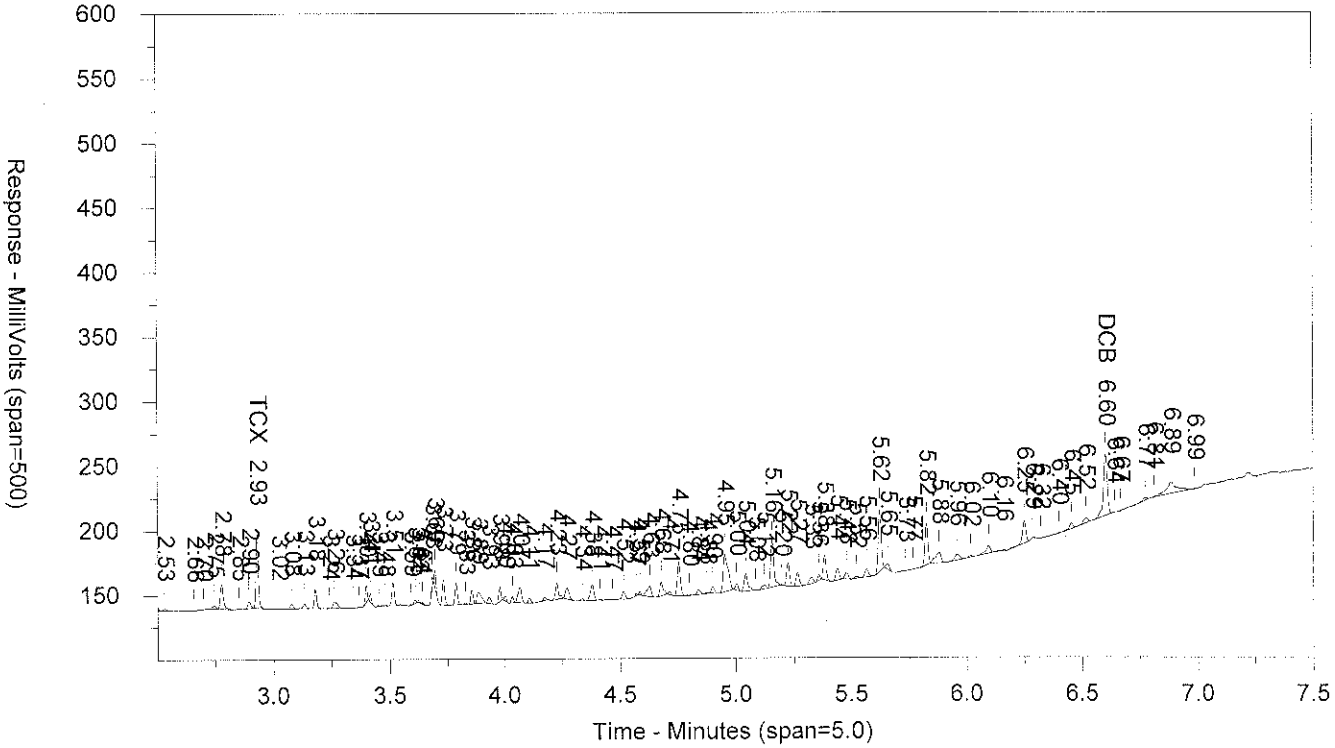

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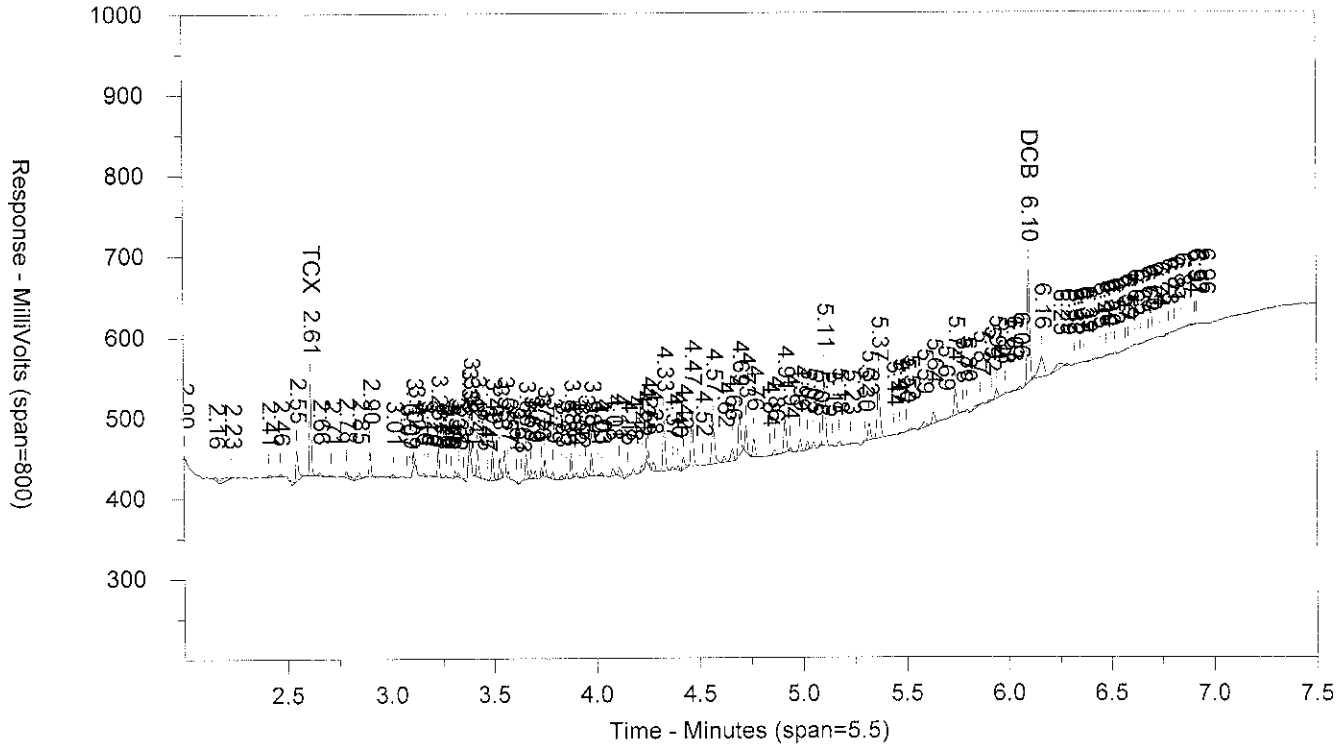

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:08:32 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		13676	13348
2.087		16387	34086
2.23		29847	25093
2.296		768	675
2.337		15687	19736
2.43		2794	2277
2.49		9712	9676
2.531		1629	1517
2.568		18653	14712
2.653		689	696
2.713		563	419
2.745		1982	2715
2.777		18443	17935
2.841		2532	2369
2.895		6721	5371
2.93	TCX	6266834	4299962
3.027		1653	895
3.076		126663	112220
3.131		135095	127023
3.179		517743	383252
3.257		6605	3574
3.273		72471	48371
3.317		1873	1500
3.34		557	247
3.395		487912	294945
3.411		227838	123914
3.449		53455	29909
3.464		18525	7584
3.474		14495	6789
3.509		631291	503013
3.546		2244	1044
3.565		11709	6863
3.584		45700	28650
3.619		116063	67768
3.634		55910	27656
3.677		165463	120076
3.687		524800	288019
3.724		706672	560421
3.781		632317	476049
3.823		57047	40803
3.851		364039	279198
3.879		325447	506935
3.925		8154	4782
3.974		421141	301050
3.997		127674	84840
4.029		156710	108719
4.061		385116	415821
4.101		113912	94575
4.148		11983	12549
4.187		33130	21165
4.221		364975	386723
4.263		66244	53091
4.333		53961	46791
4.376		406920	412193

RT A	Compound A	Height A	Area A
4.41		23343	17326
4.469		16126	14282
4.511		209158	206454
4.564		49130	33093
4.58		97785	67287
4.624		228821	212241
4.674		361236	404274
4.71		95936	70102
4.749		869631	829392
4.792		44936	40344
4.834		136146	138799
4.87		80366	64303
4.896		142205	123050
4.947		982322	1303284
4.999		204910	195108
5.038		478420	550208
5.08		9113	5077
5.114		156020	192073
5.152		1177025	1229469
5.192		27379	14300
5.219		576875	541322
5.262		363953	362825
5.324		4911	6272
5.355		159334	126487
5.38		641756	595096
5.436		341912	322843
5.475		195848	206510
5.516		86218	90007
5.559		212629	238940
5.616		1684130	1862997
5.707		1455	1843
5.768		693	707
5.82		982203	966365
5.85		57681	36791
5.877		206953	241133
5.918		736	369
5.955		8362	11156
6.012		136293	138008
6.078		12041	21867
6.09		122203	87386
6.162		387	360
6.21		263	1124
6.246		443774	451658
6.292		29624	27971
6.338		461	166
6.376		1480	1839
6.449		229808	237597
6.51		6517	9642
6.598	DCB	3567457	3674137
6.704		296	490
6.73		675	492
6.743		731	313
6.767		4728	5936
6.816		840	607
6.853		859	1091
6.878		5869	9549
6.94		825	294
6.982		556	411

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:08:32 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		24439	18854
2.143		8650	13934
2.193		6350	10838
2.229		1838	2175
2.273		1554	1473
2.301		35105	25603
2.41		3245	4497
2.469		2060	2074
2.547		37023	32810
2.571		3897	2103
2.614	TCX	11372930	6577230
2.658		113760	88784
2.785		266976	188995
2.832		104451	49120
2.846		160954	81707
2.898		924280	584461
2.948		23196	14055
3.009		157957	99823
3.069		788	415
3.104		740586	368977
3.116		286385	105732
3.156		140331	85633
3.177		106575	60657
3.203		86299	47881
3.227		1162389	786054
3.263		98251	58023
3.291		25454	12684
3.309		268302	142665
3.325		151366	72555
3.349		3358	2098
3.375		545814	270568
3.384		1172497	497016
3.404		64408	23807
3.418		1110956	777466
3.492		1253687	785403
3.527		810367	502265
3.551		1047158	589323
3.568		272279	127026
3.584		15474	7924
3.654		1061992	679979
3.677		396313	206806
3.697		362828	216610
3.726		377841	199716
3.743		621545	363746
3.784		263489	188706
3.83		131858	131804
3.855		101858	65148
3.875		784330	530120
3.901		111832	66026
3.92		35274	17101
3.939		119571	73586
3.974		860540	582108
4.008		57906	35002
4.022		119477	65476

RT B	Compound B	Height B	Area B
4.088		18762	12380
4.107		321649	307023
4.15		53801	32732
4.175		225432	156623
4.216		279579	175713
4.235		138024	69870
4.248		627174	357839
4.273		357820	359037
4.325		2080907	1573327
4.366		103693	84137
4.395		122510	82243
4.419		355683	238989
4.436		62713	29368
4.461		2235465	1641593
4.563		1918564	1779140
4.616		289146	230422
4.656		543683	517996
4.691		1864828	1558618
4.722		1025674	775445
4.761		738122	571248
4.82		2809	1590
4.838		967	377
4.86		233269	168818
4.878		25358	11990
4.91		1456271	1128582
4.934		175862	114674
4.983		681239	608037
5.019		364711	280899
5.05		321989	277859
5.082		58926	38161
5.103		3340595	2687373
5.145		62892	45658
5.176		316303	250152
5.254		4820	4475
5.294		38926	25615
5.317		706555	561966
5.362		2314524	2458336
5.462		1310	655
5.481		2196	1505
5.517		294253	258699
5.564		41065	26856
5.585		364513	283865
5.634		514053	425388
5.681		1936	1420
5.741		1073678	915225
5.772		62721	46765
5.836		2042	2555
5.87		2092	2678
5.91		2045	3086
5.939		664852	539156
5.97		2740	2473
6.027		1474	1932
6.053		6323	5798
6.096	DCB	10947490	9523303
6.157		17055	29059
6.214		1880	912
6.246		6094	8050
6.278		5706	4972
6.315		1865	784
6.37		1635	2438
6.406		1641	1070
6.478		390	643
6.488		1692	546
6.508		2960	3314
6.548		13675	12153
6.596		1405	386

RT B	Compound B	Height B	Area B
6.627		1718	1657
6.668		1260	1128
6.699		1076	1146
6.726		1891	2135
6.776		1517	1749
6.788		888	284
6.839		1146	1027
6.867		1164	573
6.893		1175	559
6.93		1029	779
6.948		1769	1558

IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082

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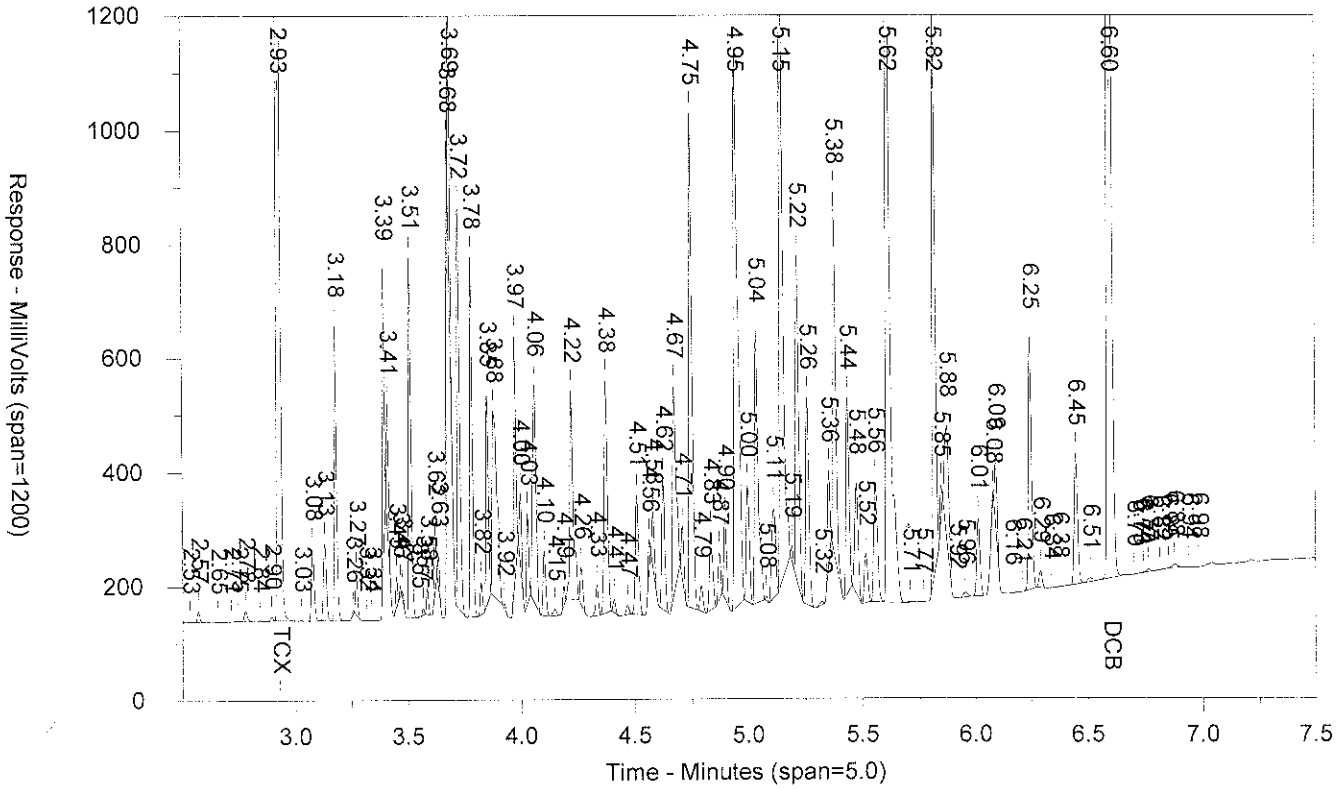

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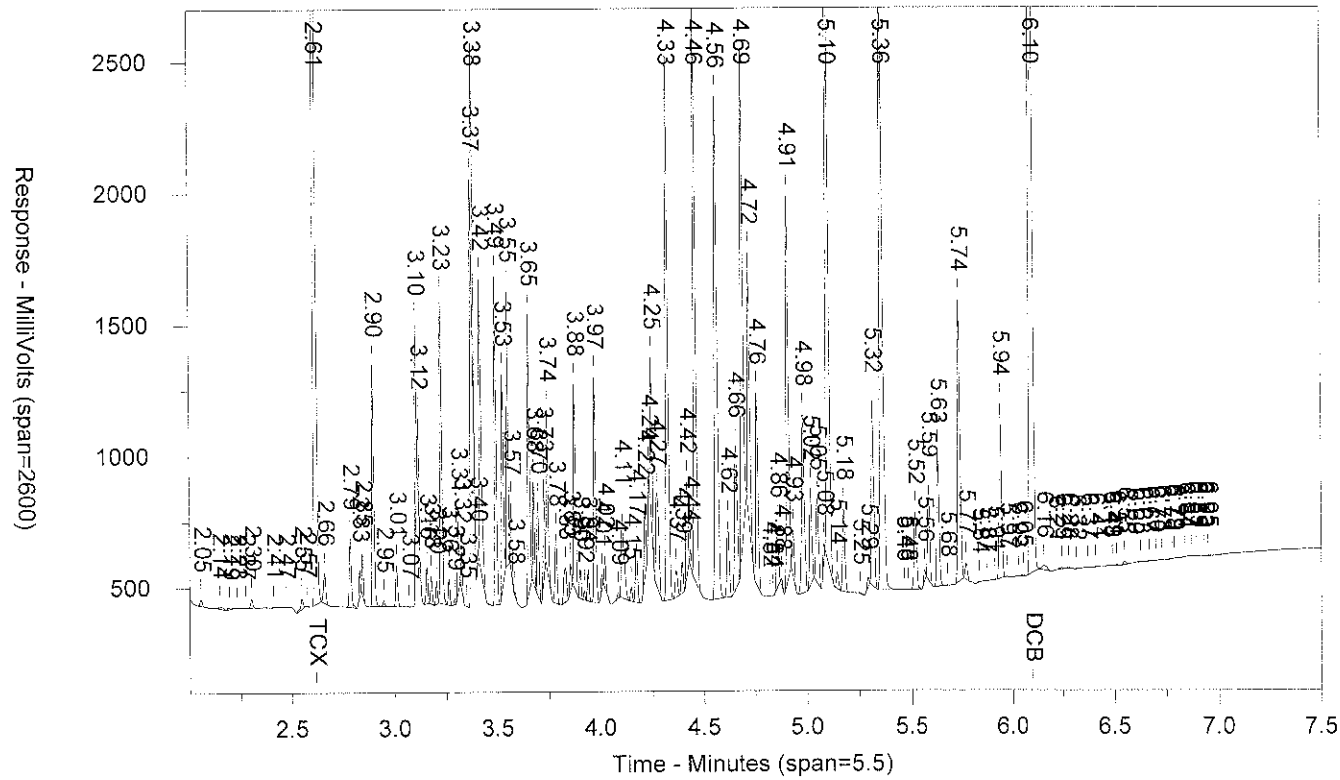

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:08:32 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	6266834	41.538	TCX	2.614	11372930	41.745	TCX
6.598	3567457	37.01	DCB	6.096	10947490	36.162	DCB

Files:
Area File: 25PCBS17284001.032.RAW
Area File: 25PCBS17284001B.032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:21 PM
File Reported On: 10/12/2017 at 3:38:40 PM

IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082

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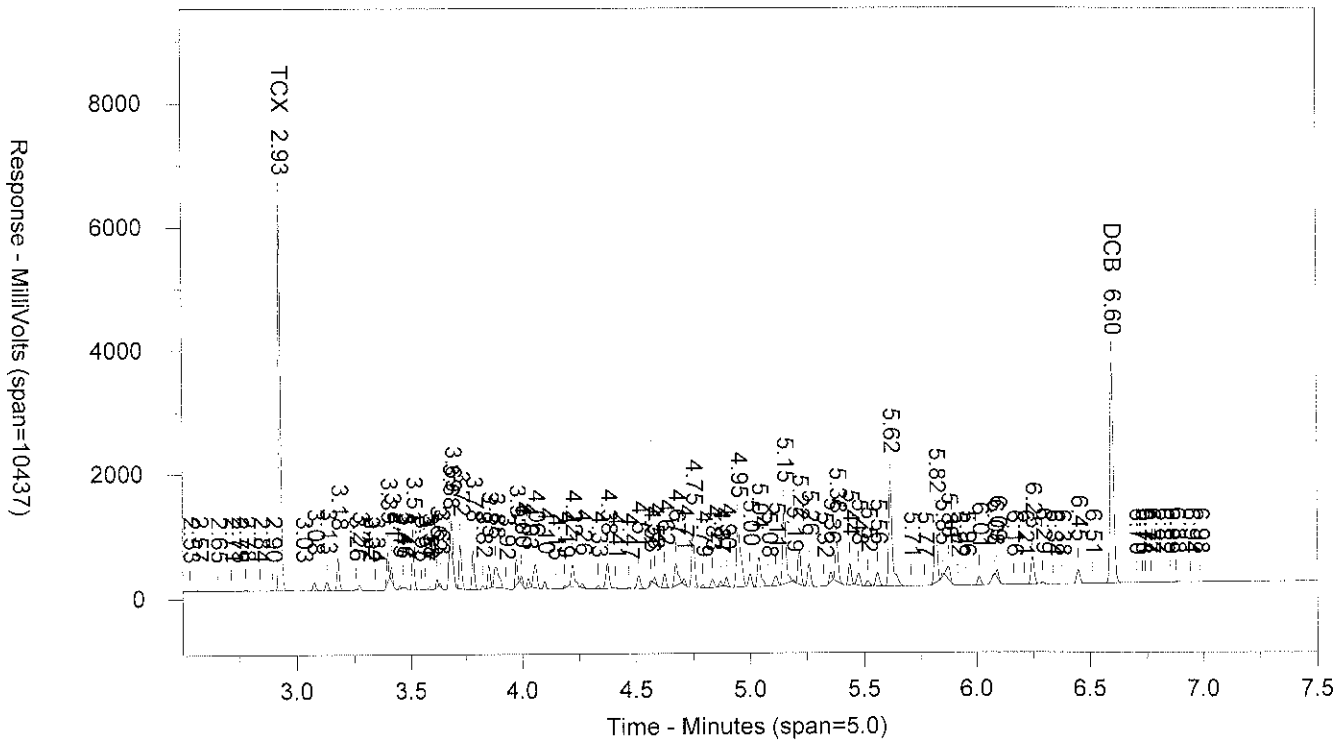

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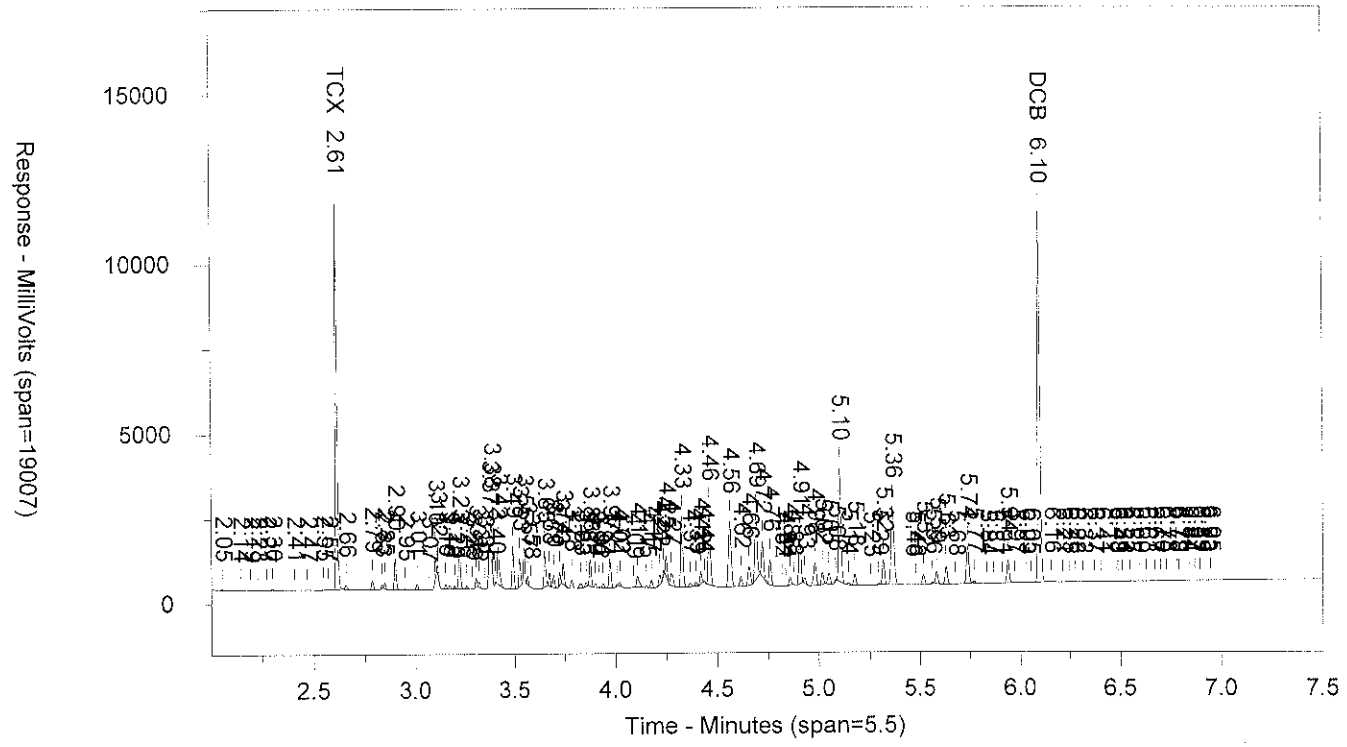

IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082

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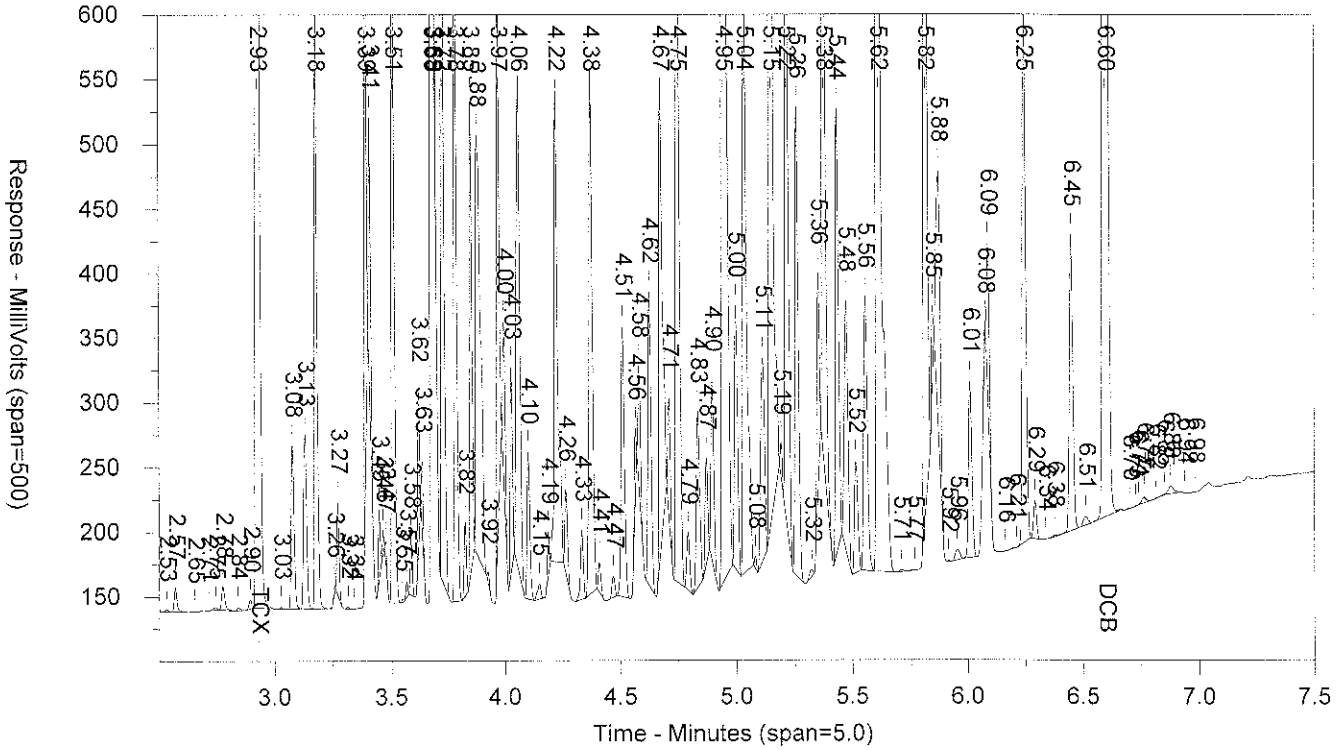

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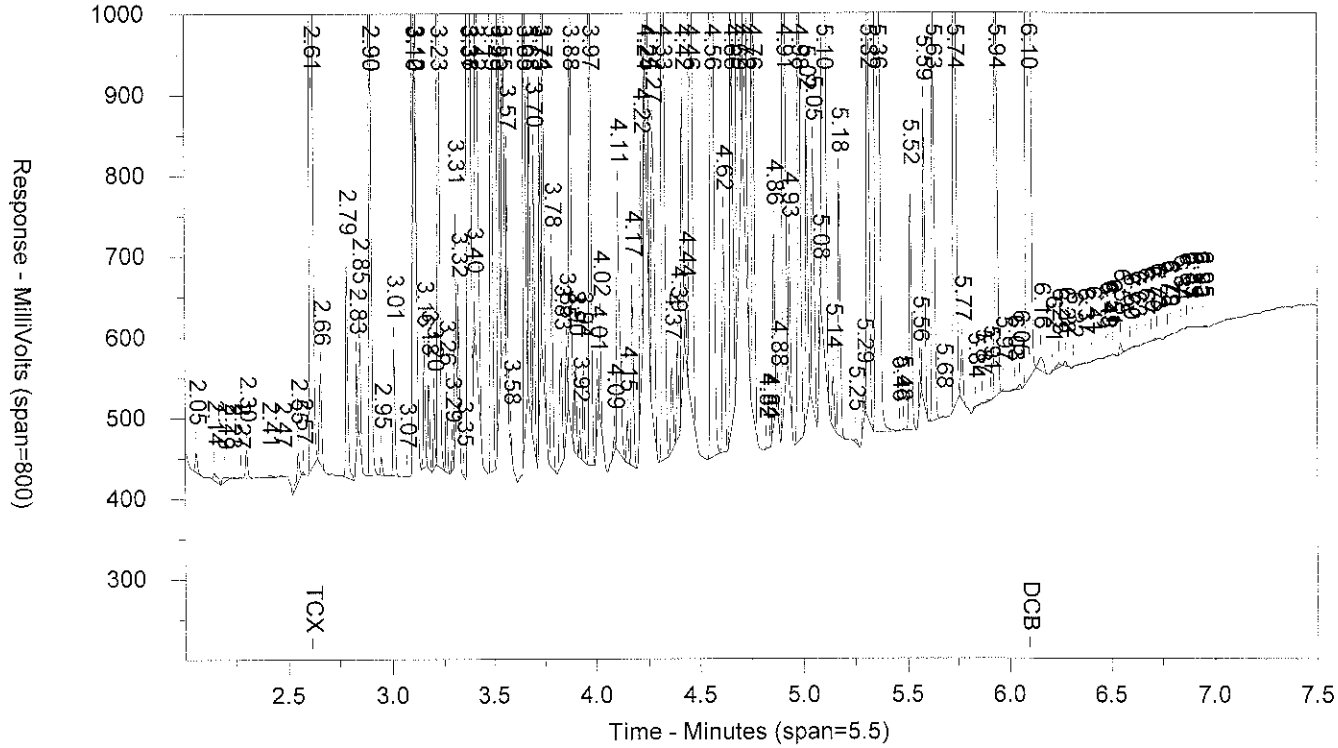

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:19:49 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		14213	13716
2.09		11788	29941
2.231		28442	23795
2.297		1082	877
2.337		15691	19300
2.431		2717	2263
2.491		9568	9704
2.529		1743	1717
2.57		9151	7305
2.661		517	731
2.71		536	336
2.735		694	426
2.747		1157	736
2.778		15948	14396
2.852		1116	1168
2.895		6938	5482
2.93	TCX	5906822	4108244
3.028		1469	935
3.078		53266	46679
3.127		79538	63086
3.179		122889	88791
3.258		10005	5468
3.273		19931	11892
3.317		924	766
3.395		242318	148688
3.412		75944	42379
3.449		13225	7032
3.464		22467	13197
3.509		271163	211751
3.546		691	197
3.566		10240	5800
3.585		41114	27088
3.619		39800	23026
3.634		11319	5525
3.677		153950	90982
3.687		201171	98083
3.724		381905	304254
3.781		316642	251136
3.822		51986	37071
3.851		492689	368293
3.878		307725	248279
3.899		79076	41907
3.926		6944	4769
3.973		584597	422392
3.997		158324	104148
4.029		211568	153086
4.061		502460	488173
4.101		173774	145645
4.148		18946	16702
4.187		50649	37486
4.22		376324	256195
4.239		496554	305010
4.263		544459	421853
4.333		48646	47500

RT A	Compound A	Height A	Area A
4.367		384566	317105
4.386		118028	62484
4.409		127654	91079
4.451		6828	4358
4.472		31252	24014
4.513		173277	162523
4.563		239355	207024
4.595		121746	96360
4.624		391406	339843
4.674		3590	2758
4.707		154679	148409
4.751		27900	35725
4.796		40583	36181
4.836		254849	249188
4.87		65277	53749
4.915		21507	24090
4.961		49005	76686
4.998		4001	2726
5.032		257743	273749
5.08		4737	3198
5.111		98035	95017
5.152		66594	59028
5.175		2573	1160
5.192		6611	4450
5.219		2128	1754
5.263		1785	1546
5.322		14116	18779
5.356		22871	19621
5.38		5132	3070
5.401		999	545
5.437		3082	2467
5.473		8755	12233
5.516		56863	55223
5.555		13441	11677
5.581		2183	1717
5.616		2833	1927
5.64		113849	123721
5.72		803	596
5.753		428	297
5.776		450	279
5.821		12441	12709
5.866		5775	8460
5.924		207	285
5.954		16196	23573
6.012		100599	102687
6.075		151091	180584
6.161		552	1278
6.242		17199	26304
6.283		1213	1030
6.312		470	218
6.331		558	209
6.344		414	173
6.378		1544	1591
6.419		915	831
6.449		81912	86550
6.51		13426	20421
6.598	DCB	3437943	3539127
6.765		10479	15747
6.88		8313	27250
6.965		808	443
6.977		637	192

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:19:49 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		24359	19256
2.146		8592	14631
2.188		6416	5449
2.212		1088	654
2.23		2009	2617
2.274		1920	1895
2.302		17931	12559
2.413		2716	2453
2.469		2171	1596
2.496		8199	11798
2.548		32116	30831
2.615	TCX	10846790	6260598
2.658		31871	24153
2.786		122148	86525
2.832		138671	113227
2.899		221497	144332
2.948		23057	13590
3.01		53458	33987
3.072		706	121
3.086		553	136
3.105		375449	186619
3.116		66310	24841
3.156		42717	23734
3.178		58827	34806
3.203		9293	4747
3.227		492639	336884
3.263		94576	55820
3.291		25721	13165
3.31		93179	51317
3.325		35467	16358
3.349		1879	1259
3.375		380831	177499
3.384		425193	180199
3.404		86939	36207
3.419		564503	385032
3.466		741	193
3.493		672400	416719
3.528		1078173	672317
3.551		1077276	580066
3.569		330766	167285
3.631		2914	2520
3.654		1376086	878217
3.677		444888	238138
3.698		482287	294298
3.727		275580	139355
3.743		966058	568295
3.784		397454	280604
3.831		84570	71966
3.853		785196	470992
3.876		1627773	1060790
3.901		1251742	779063
3.92		99715	47645
3.939		101351	56679
3.974		538512	377025

RT B	Compound B	Height B	Area B
4.009		927897	729501
4.037		456165	252607
4.084		75170	54928
4.118		330008	251534
4.15		35464	20727
4.175		545375	405777
4.207		308495	222866
4.235		830894	615829
4.271		13495	12332
4.327		351725	327034
4.363		84080	62732
4.395		476751	357781
4.419		10078	4063
4.436		118734	81157
4.462		52588	31952
4.487		41927	30641
4.561		90840	93154
4.613		523691	434634
4.663		183021	154561
4.691		111672	103210
4.737		21268	14193
4.761		3279	1907
4.817		1683	1397
4.837		1509	1138
4.879		5784	4062
4.911		14063	9854
4.935		52591	40599
4.972		6131	4836
5.02		5968	4016
5.037		3420	1505
5.055		85765	66167
5.083		20385	13661
5.104		10631	6571
5.122		3256	1980
5.176		185981	166751
5.238		1400	10120
5.294		9697	9688
5.318		9695	7389
5.364		24612	24928
5.408		804	472
5.436		996	562
5.464		1679	1267
5.492		1012	345
5.517		227199	201872
5.586		323562	300050
5.635		70291	61987
5.681		1346	1188
5.742		7939	6307
5.791		9593	19380
5.889		921	28599
5.912		1239	1615
5.939		229133	191869
5.983		2682	4099
6.022		2332	1157
6.052		7385	8907
6.097	DCB	11215730	9173938
6.159		15513	25632
6.244		7031	14036
6.281		3021	3772
6.321		3321	2860
6.337		951	376
6.354		1428	1144
6.422		1883	1016
6.434		1784	869
6.456		1182	369
6.482		824	513

RT B	Compound B	Height B	Area B
6.516		3872	4360
6.548		13561	10402
6.581		1393	605
6.606		1568	1445
6.63		1937	1418
6.641		1500	383
6.65		1293	417
6.702		1025	299
6.721		4292	6940
6.776		2203	2528
6.802		1884	1379
6.852		1440	2755
6.897		1706	3474
6.908		1344	738
6.94		1339	713
6.994		1498	1177

IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082

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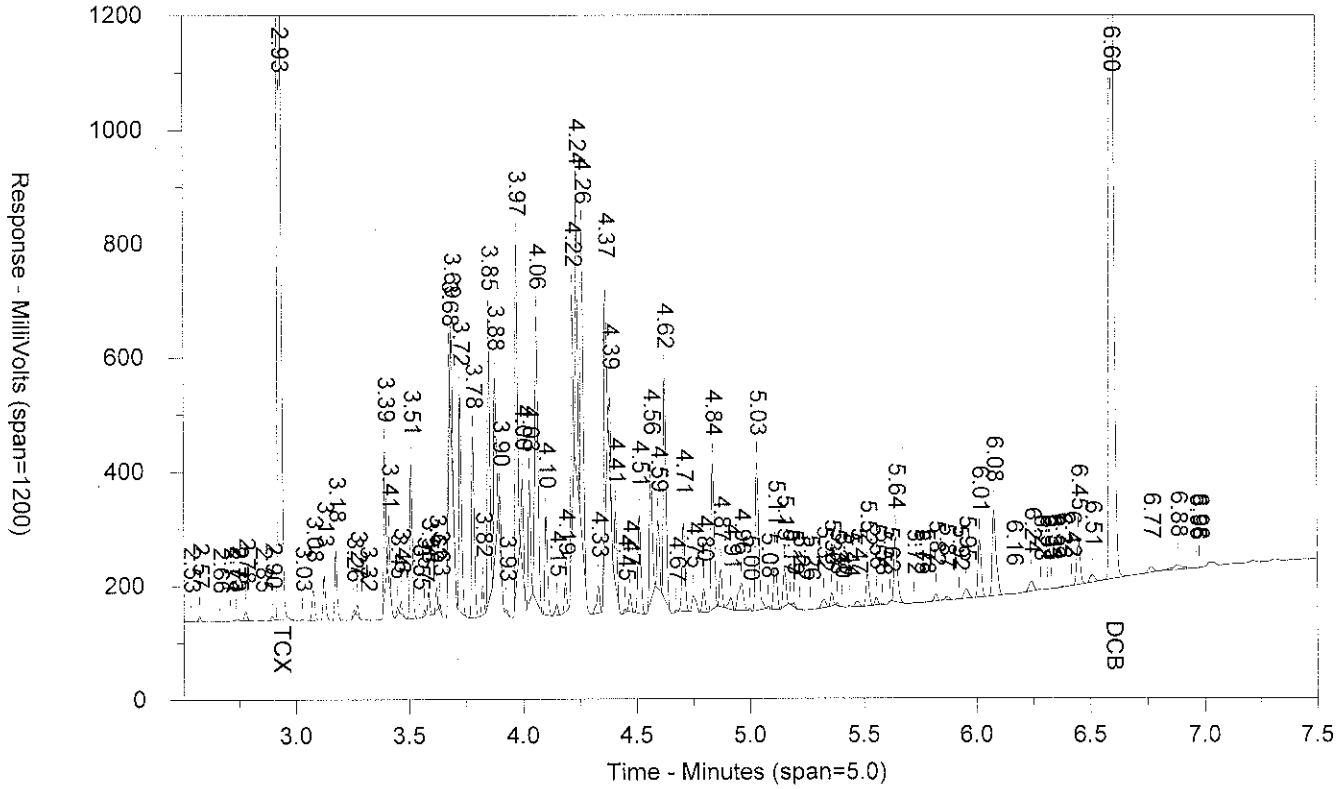

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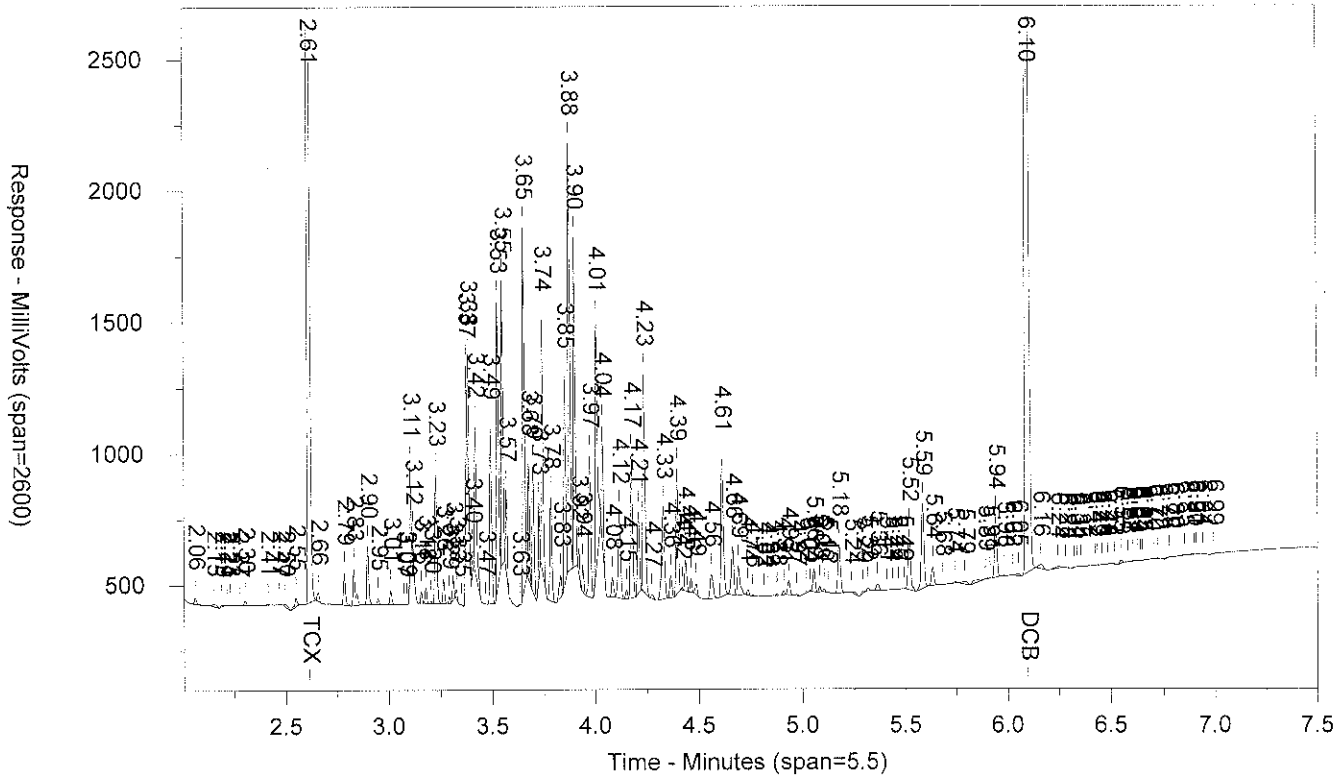

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:19:49 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	5906822	39.152	TCX	2.615	10846790	39.814	TCX
6.598	3437943	35.666	DCB	6.097	11215730	37.048	DCB

Files:
Area File: 25PCBS17284001.033.RAW
Area File: 25PCBS17284001B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:21 PM
File Reported On: 10/12/2017 at 3:38:58 PM

IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082

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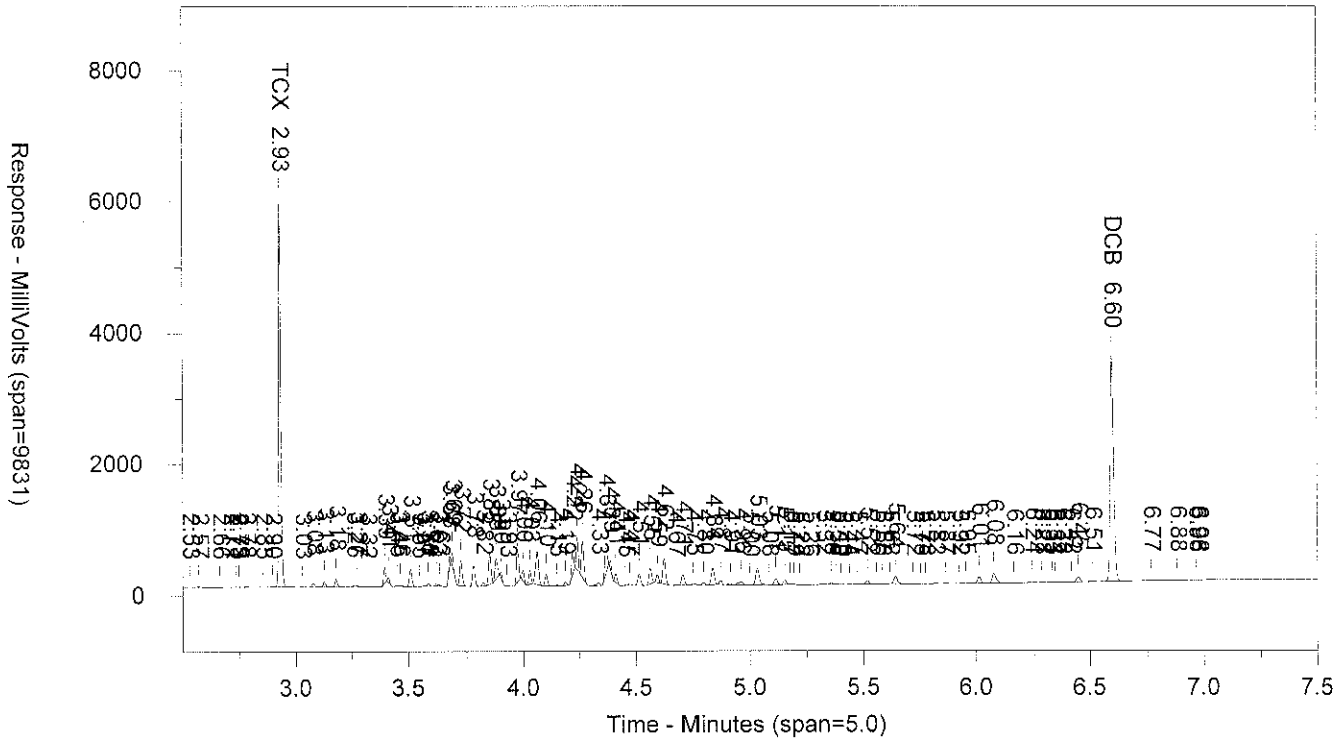

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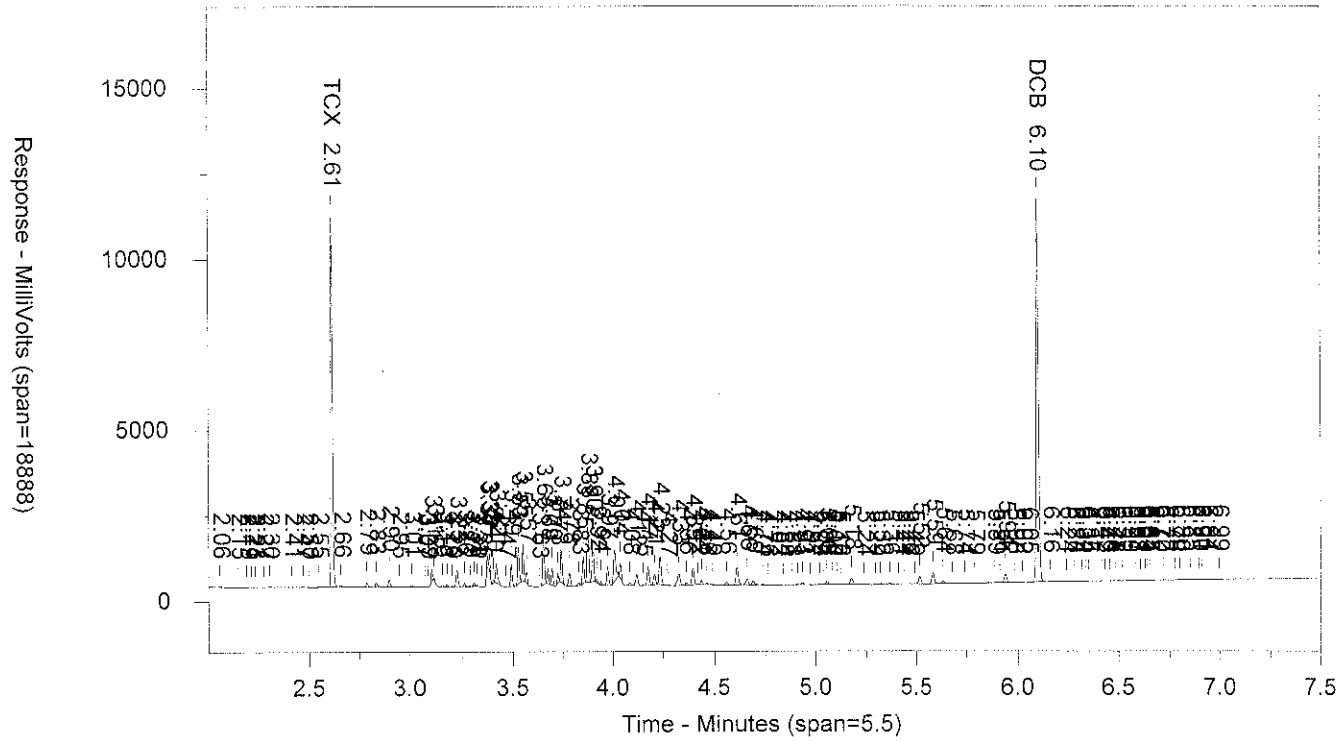

IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082

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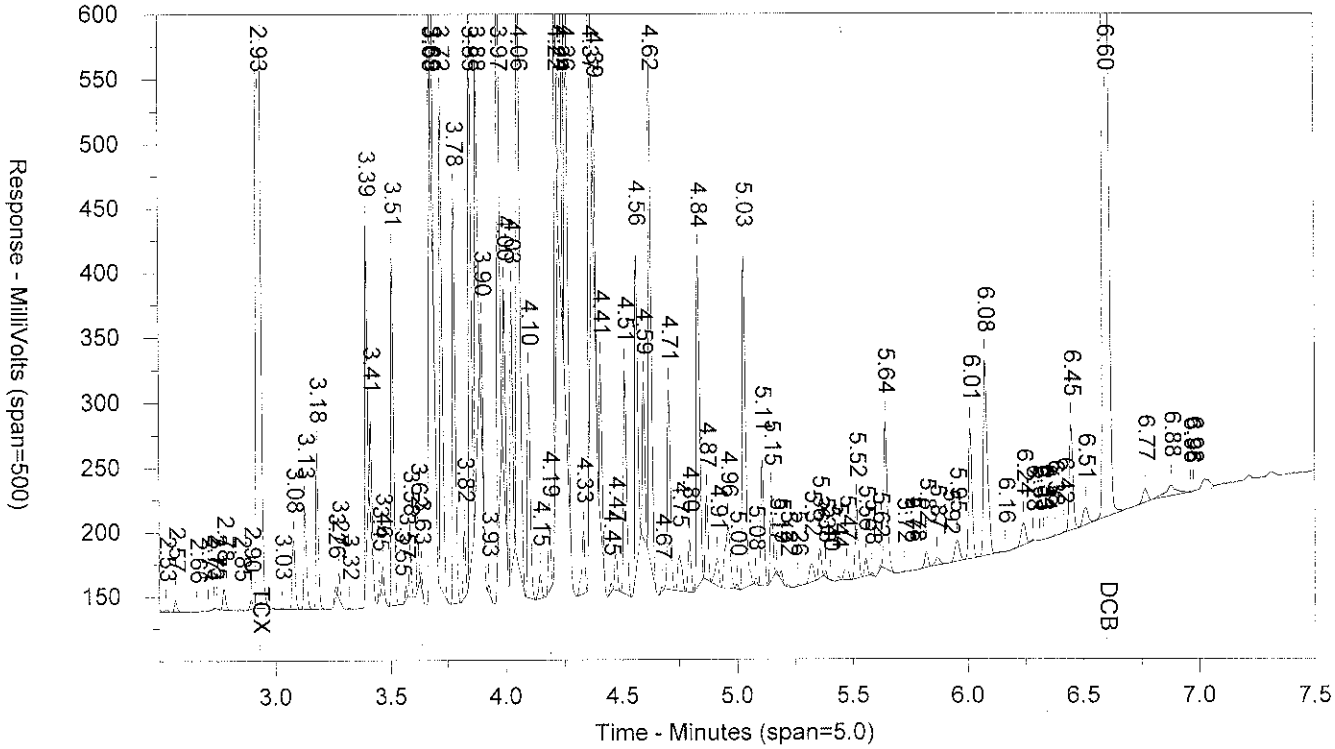

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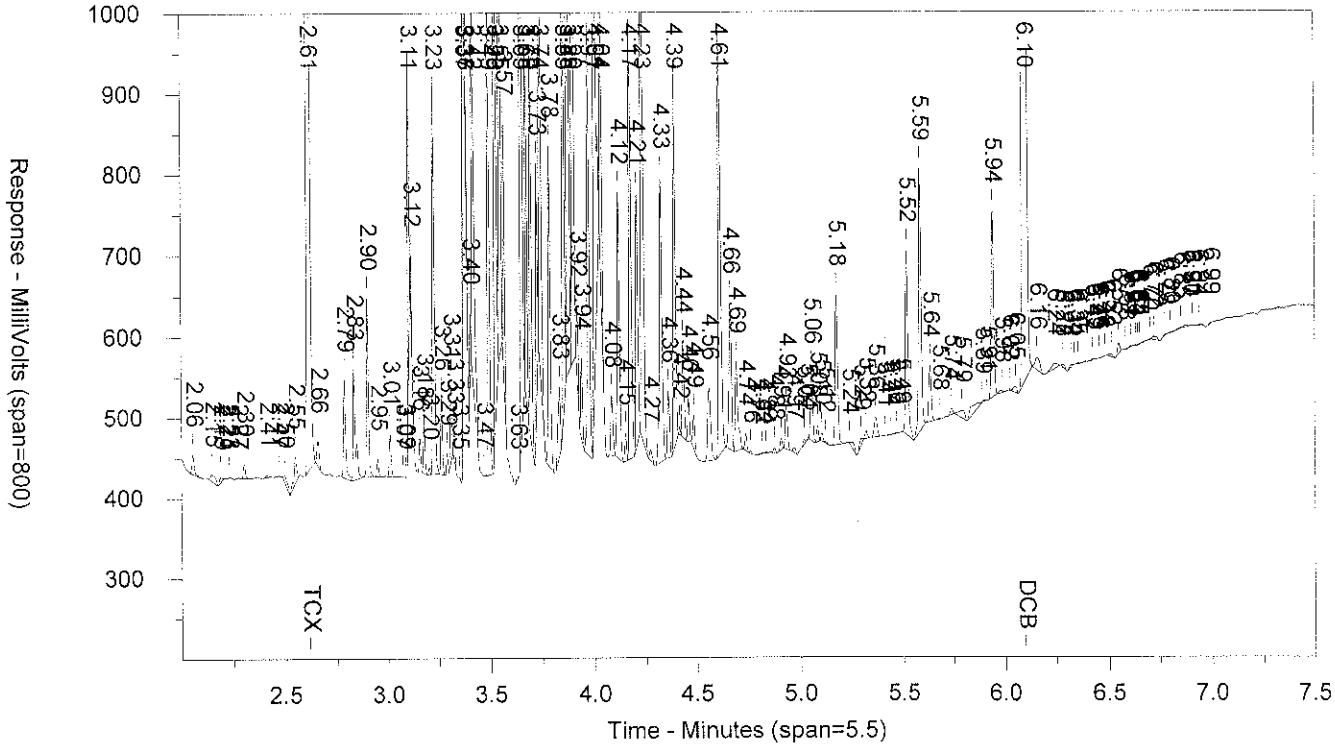

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:31:06 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.034.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		15763	15797
2.085		10696	22105
2.171		770	438
2.23		14304	12473
2.298		1028	1040
2.329		12129	12316
2.432		1329	879
2.49		10614	10403
2.53		1593	1672
2.57		4534	3004
2.624		373	209
2.653		620	714
2.744		2364	3818
2.777		14322	13238
2.85		850	783
2.895		7916	6562
2.929	TCX	2877191	2005658
3.027		960	624
3.042		445	208
3.077		19773	17788
3.126		38723	31538
3.179		39892	29520
3.258		7458	4403
3.273		8267	4303
3.337		312	129
3.395		54411	32870
3.413		19984	15406
3.464		30847	24748
3.508		75746	55353
3.538		513	240
3.565		6439	3896
3.585		60852	43581
3.619		5802	2839
3.635		2934	1274
3.676		14609	7995
3.697		18002	14117
3.725		159493	125390
3.78		64556	48463
3.823		12625	8604
3.85		467650	356985
3.885		154499	192113
3.926		14717	11796
3.973		296568	234103
3.997		18621	9597
4.028		58902	40028
4.059		164138	198473
4.102		38587	31826
4.148		13876	13375
4.187		29851	19294
4.221		601251	433630
4.239		199737	102853
4.265		194869	166022
4.333		192179	167385
4.375		986904	1124944

RT A	Compound A	Height A	Area A
4.409		367922	309652
4.45		12584	8110
4.472		69571	55294
4.513		399725	379134
4.563		688693	603403
4.594		133992	96244
4.624		1361533	1217939
4.674		62224	45520
4.689		9706	3607
4.708		189789	147712
4.75		436102	456004
4.795		95744	85340
4.835		940703	899734
4.869		37271	25667
4.896		101904	119703
4.947		530644	862420
4.998		12708	9392
5.033		698205	744299
5.081		78603	62037
5.108		95663	136594
5.152		916341	852918
5.173		33164	18744
5.191		35624	22573
5.218		33572	26301
5.261		40244	47858
5.328		3672	4745
5.357		296749	259359
5.381		73686	52334
5.413		1584	662
5.437		41040	36212
5.475		38112	36589
5.516		27985	27070
5.555		191977	182468
5.58		26930	17791
5.616		143088	123824
5.641		32180	26183
5.719		1236	1710
5.79		444	66
5.82		134686	130740
5.85		21495	20290
5.921		700	477
5.955		6347	8269
6.011		42636	43114
6.076		64614	87682
6.156		993	1753
6.244		12647	16994
6.287		2172	2530
6.338		641	265
6.385		1151	1873
6.449		31371	31810
6.508		5249	7820
6.598	DCB	1741121	1879003
6.672		530	474
6.684		625	251
6.722		626	572
6.769		3044	5490
6.836		854	774
6.854		1116	559
6.88		6226	11414
6.972		747	634

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:31:06 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.034.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		10202	8583
2.156		9073	13708
2.19		8272	13394
2.231		2232	2219
2.302		10794	8348
2.412		2944	4269
2.469		1955	1718
2.547		31320	33123
2.614	TCX	5296445	3059190
2.659		21448	15580
2.709		1328	1856
2.786		46351	42181
2.831		76842	62450
2.898		80460	52019
2.948		11733	7768
3.009		25282	17320
3.068		1310	506
3.083		803	268
3.105		81593	40688
3.116		16309	9527
3.156		8499	4658
3.177		63261	38966
3.202		1444	711
3.227		139746	84923
3.243		3071	969
3.263		125961	76188
3.29		14128	7078
3.31		16114	8955
3.325		8432	4285
3.349		2185	1843
3.375		34017	16451
3.384		19895	7166
3.405		30528	12944
3.419		203496	173876
3.493		136696	88367
3.527		1035955	627586
3.551		504644	303548
3.568		28869	11303
3.586		24192	13883
3.635		1648	1995
3.654		683477	435272
3.677		72480	36344
3.698		148805	92947
3.727		240782	130098
3.743		230954	120121
3.783		107074	84162
3.824		86189	86184
3.853		224843	130638
3.875		2340328	1498271
3.9		234948	135364
3.92		236949	134244
3.939		406409	248998
3.974		2155091	1455998
4.005		782463	491015

RT B	Compound B	Height B	Area B
4.023		509172	269859
4.084		166369	116658
4.118		794861	626977
4.15		14302	6476
4.174		1693299	1242820
4.207		457587	341417
4.234		3083594	2248470
4.273		218832	206964
4.326		1431222	1207303
4.363		200450	155308
4.395		1773336	1282214
4.419		255467	153923
4.437		5114	1424
4.462		1067454	823913
4.487		52088	29873
4.56		1064248	1010314
4.613		1323253	1056477
4.652		320062	305488
4.691		1835243	1862839
4.738		159975	99980
4.761		65198	44348
4.82		22634	26592
4.861		4853	3547
4.877		97362	72150
4.911		101462	70979
4.934		629027	485005
4.984		72197	60333
5.019		68711	53137
5.052		62644	53762
5.082		302187	214259
5.103		208268	168318
5.144		4343	2593
5.176		94173	82947
5.251		4199	7439
5.3		1654	2548
5.318		11954	9629
5.361		276675	273492
5.421		1287	819
5.466		2263	1846
5.517		92468	83542
5.565		6697	4216
5.586		127877	103143
5.634		43611	37150
5.683		1351	1867
5.721		1104	1207
5.741		19784	16177
5.794		3593	4278
5.848		2370	5249
5.87		2036	2532
5.91		1437	1659
5.939		79255	67482
5.992		2145	4381
6.017		1042	778
6.054		3824	3656
6.097	DCB	5517828	4807308
6.163		18284	28308
6.258		5107	15576
6.281		2830	3034
6.327		1883	1712
6.346		1690	861
6.394		868	1301
6.413		1079	687
6.439		1851	2056
6.493		1055	1883
6.502		2460	3138
6.55		6914	5221

RT B	Compound B	Height B	Area B
6.567		1324	472
6.619		2516	4368
6.649		1286	727
6.691		953	1031
6.727		1105	952
6.739		1609	859
6.807		847	3281
6.846		927	1337
6.886		1606	2680
6.91		1158	319
6.935		1334	210
6.953		1309	931

IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082

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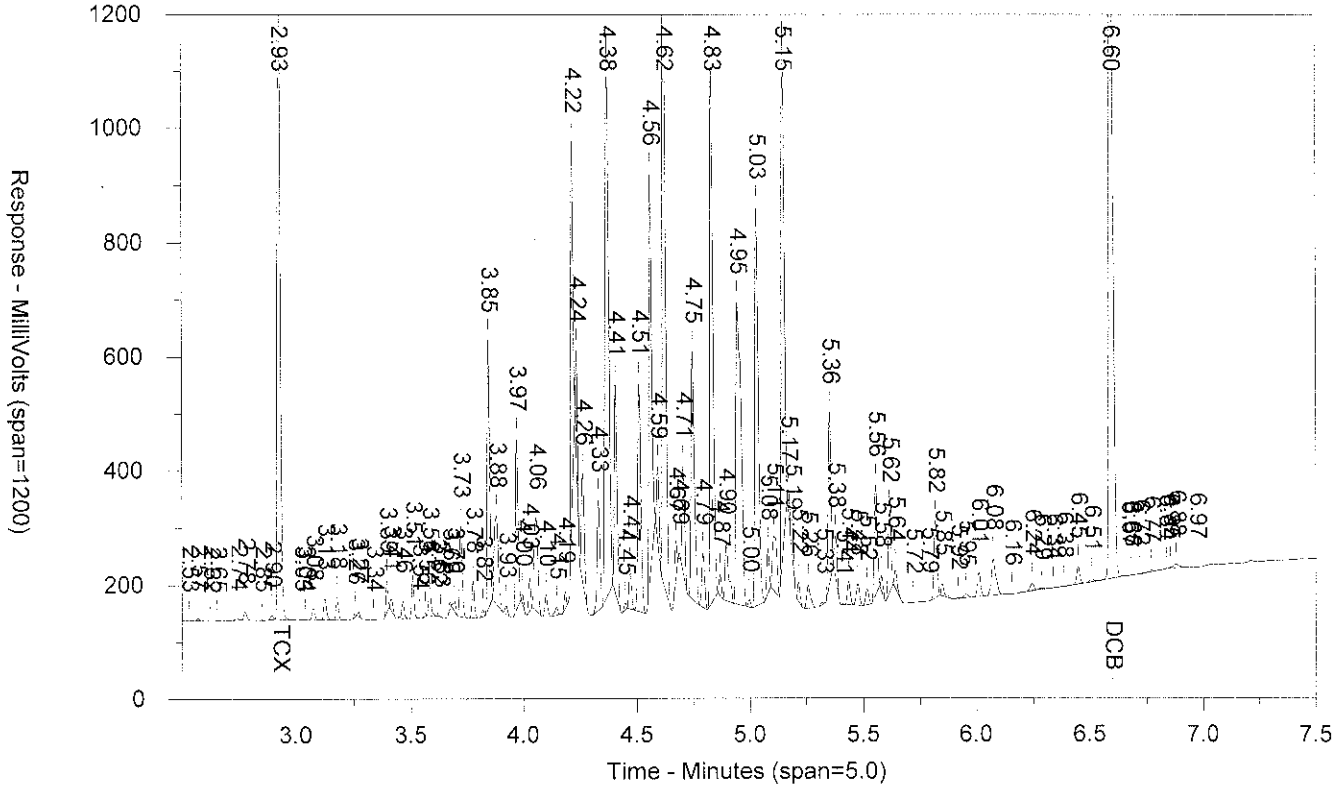

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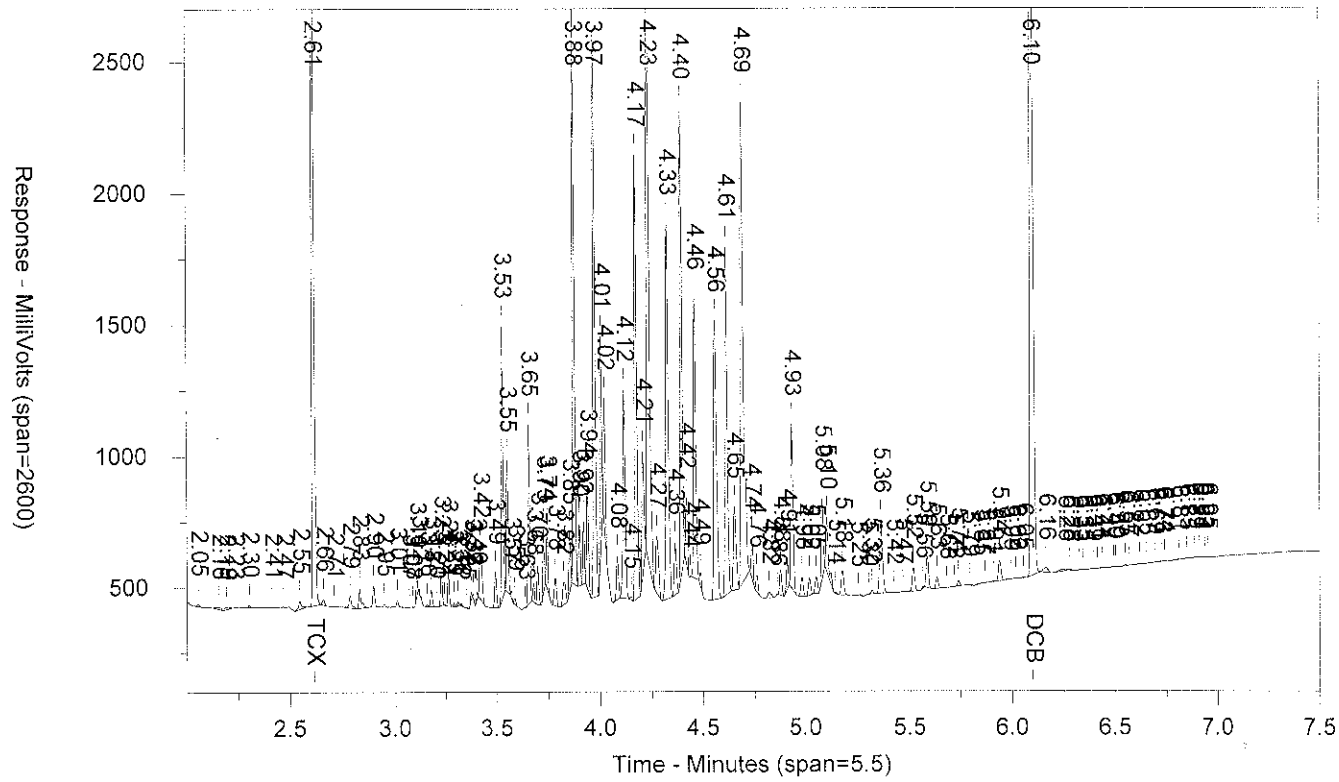

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:31:06 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.929	2877191	19.071	TCX	2.614	5296445	19.441	TCX
6.598	1741121	18.063	DCB	6.097	5517828	18.227	DCB

Files:
Area File: 25PCBS17284001.034.RAW
Area File: 25PCBS17284001B.034.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:21 PM
File Reported On: 10/12/2017 at 3:39:18 PM

IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082

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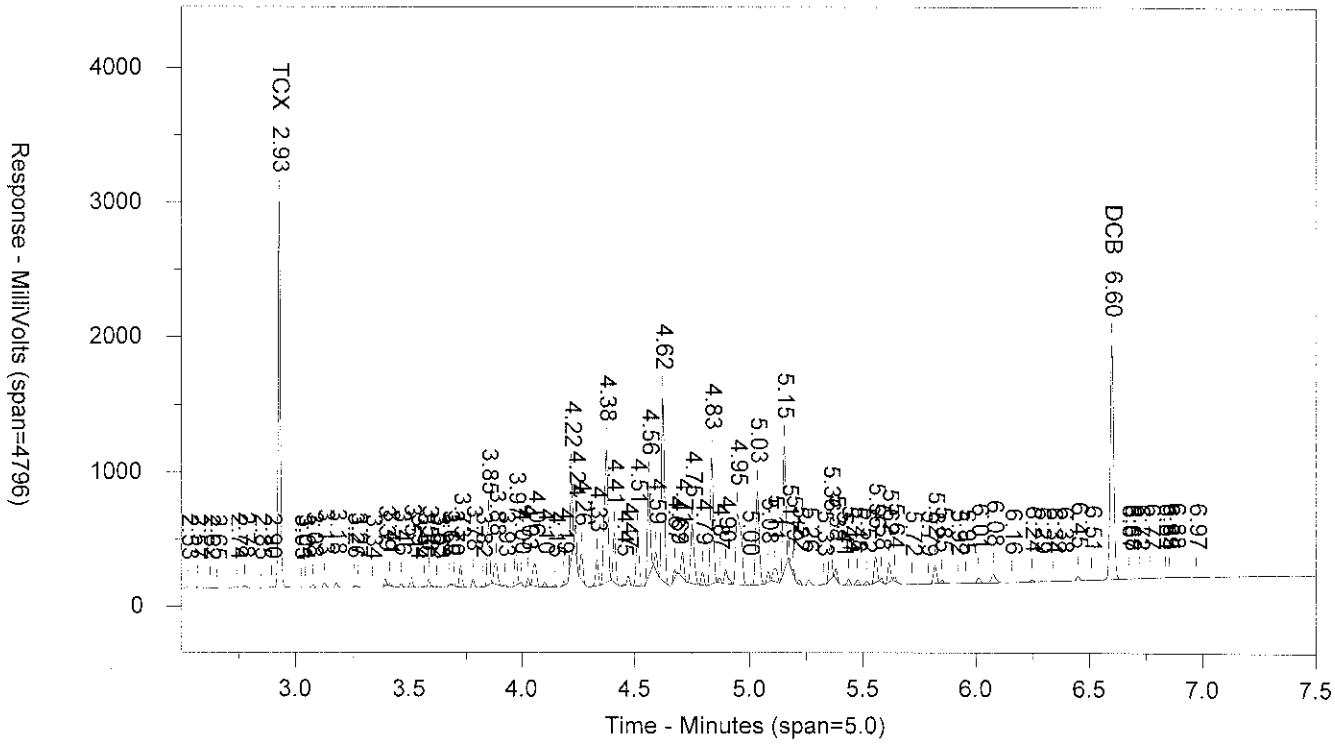

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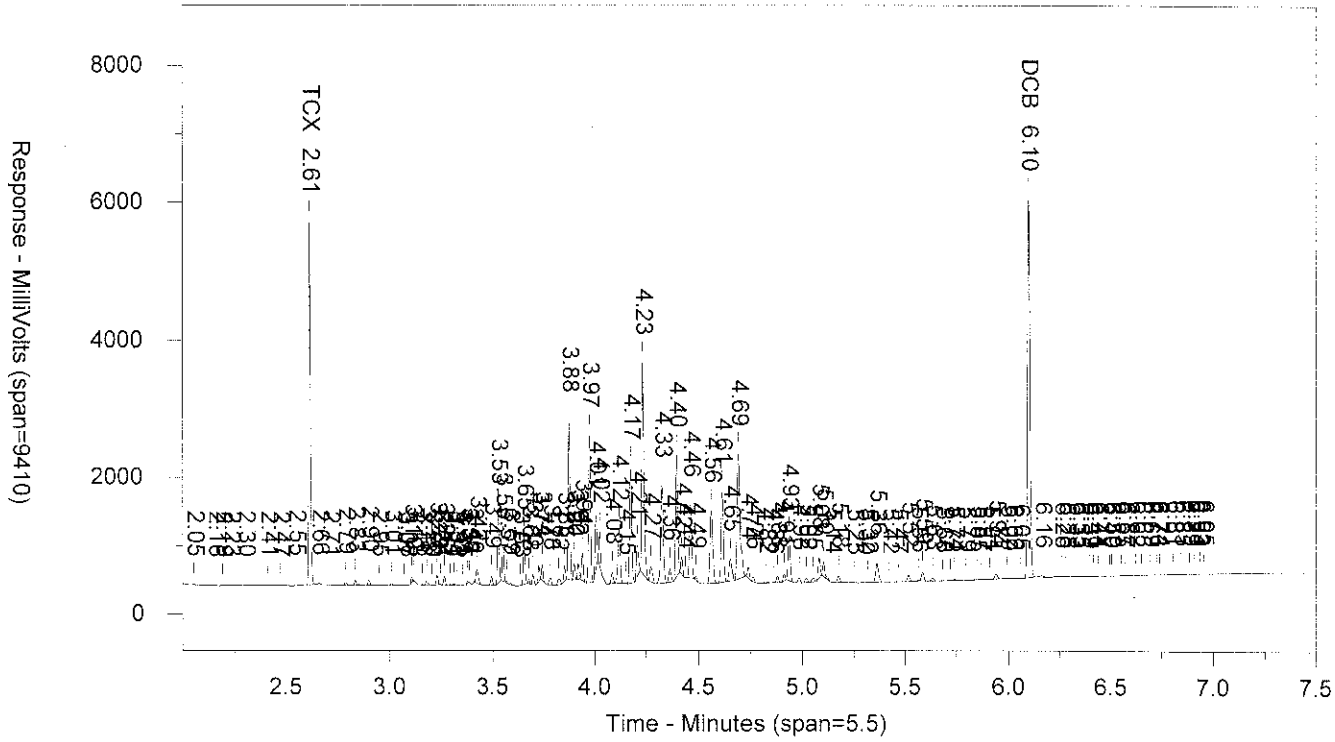

IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082

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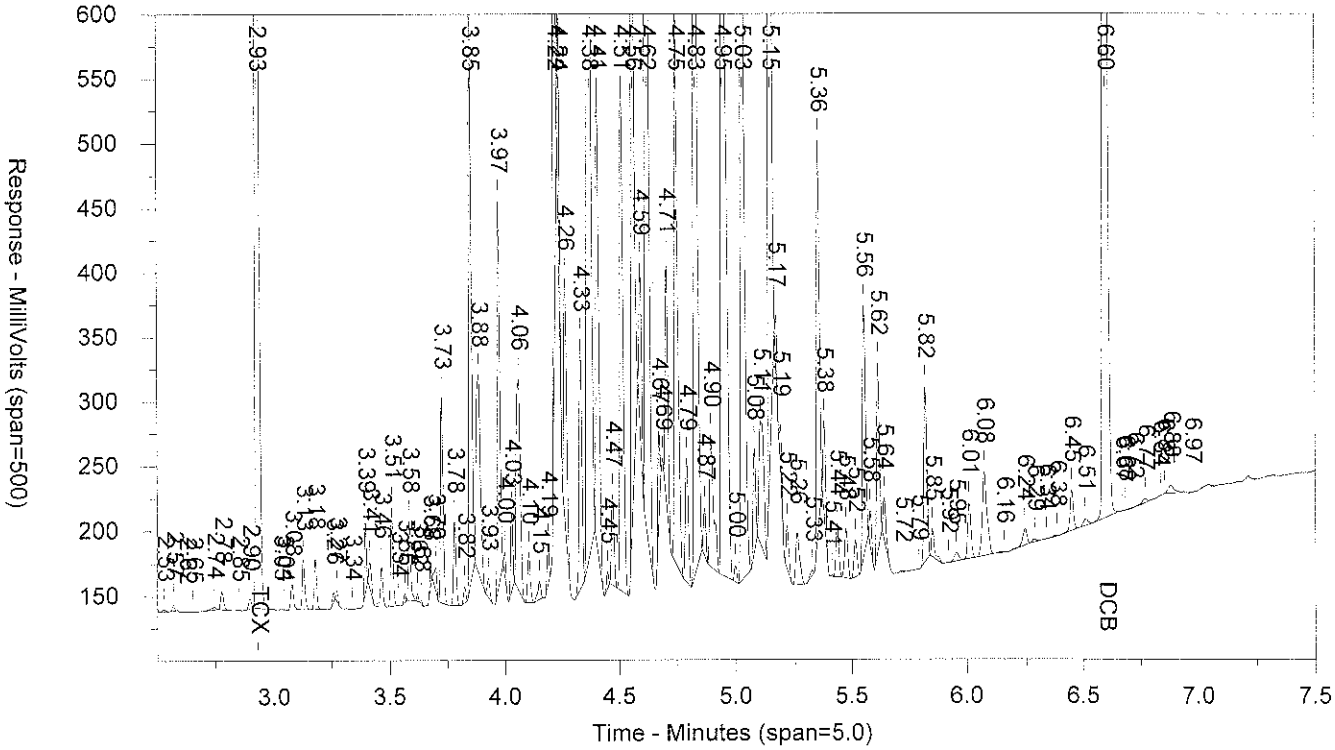

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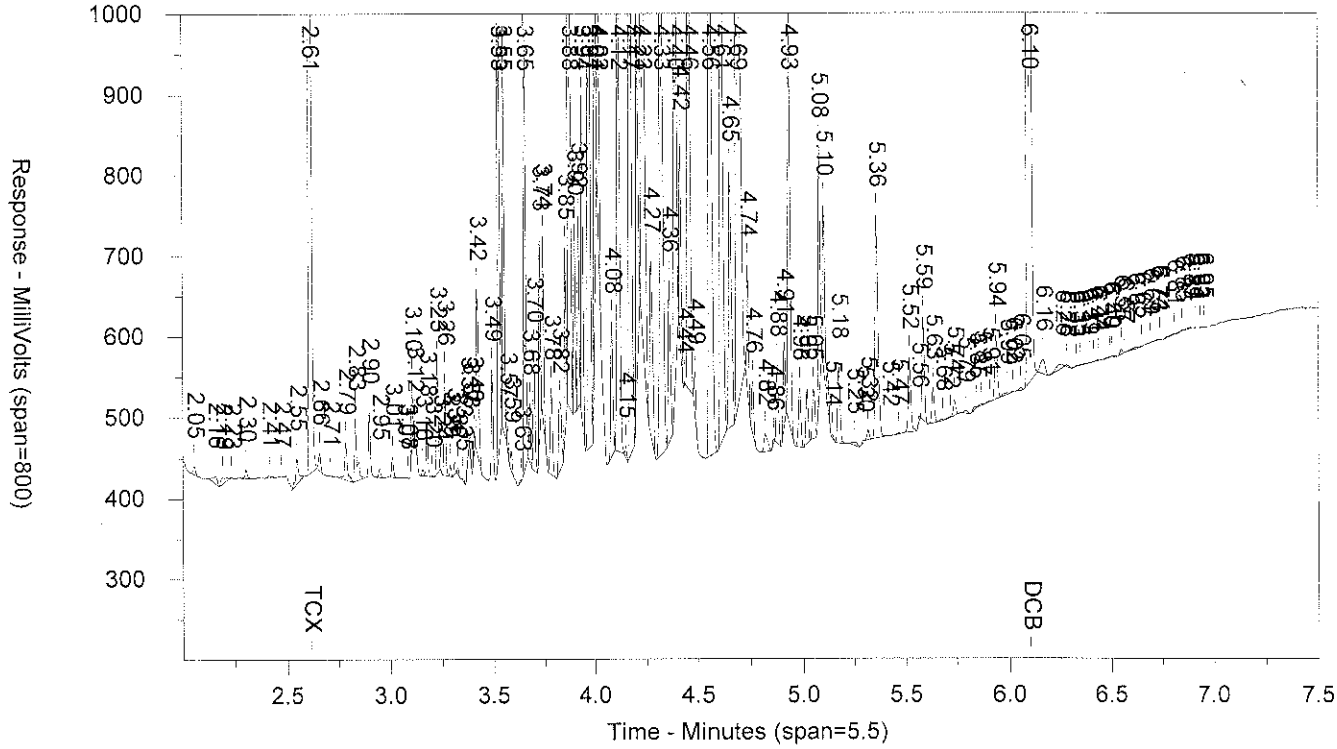

LANCASTER LABORATORIES

Sample Number: AR1641724B IGAR164IG CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 8:36:15 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.051.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.014		3305	2300
2.034		2270	2500
2.062		6483	6652
2.156		5451	13669
2.206		33173	31617
2.249		3547	2721
2.276		1954	1322
2.305		28653	29126
2.465		2482	2237
2.512		3334	2838
2.546		7614	6465
2.586		1081	962
2.623		2292	2040
2.684		3246	5940
2.728		1414	1845
2.754		8292	6315
2.792		5119	11634
2.842		8221	14312
2.876		1411	1837
2.905	TCX	7874328	5095059
2.966		1499	2274
3.005		3707	4770
3.053		106727	93402
3.108		140968	136703
3.156		621191	404827
3.201		3257	2329
3.231		10073	5492
3.249		67397	43677
3.291		5016	5726
3.336		2735	1956
3.371		607299	362328
3.387		290427	149898
3.424		69473	39281
3.44		7296	2758
3.451		36036	18773
3.485		712834	516199
3.52		5330	3878
3.541		17862	10436
3.561		18854	10706
3.595		147815	85069
3.609		68056	31909
3.653		348156	178068
3.663		677447	329723
3.7		829126	602621
3.757		731887	515416
3.796		49954	32606
3.824		483651	346291
3.851		316054	265294
3.873		88071	46602
3.9		3915	1968
3.92		1114	271
3.947		547641	376278
3.971		191457	119785
4.002		197585	136631

RT A	Compound A	Height A	Area A
4.034		550648	506144
4.074		159371	129830
4.121		27150	26337
4.16		28947	20304
4.194		493481	355381
4.211		107573	59014
4.234		133731	93872
4.303		74045	60842
4.347		531211	482796
4.381		13161	8903
4.405		3447	2509
4.444		6373	9164
4.483		35925	34740
4.534		62199	37536
4.55		128602	85515
4.595		317259	274378
4.642		496245	533014
4.68		110350	72834
4.718		1076547	1005584
4.759		4754	3466
4.804		179502	175620
4.836		11991	8090
4.863		189212	167142
4.915		1373458	1625121
4.966		261826	236389
5.005		592875	646541
5.048		2862	1358
5.086		102313	123147
5.119		1590380	1374905
5.142		63542	30881
5.161		16049	6909
5.186		781548	701006
5.228		448226	428381
5.323		191253	150129
5.349		797713	658296
5.384		36535	21550
5.405		321876	241553
5.445		232993	223731
5.487		32426	32719
5.528		252820	270220
5.586		2181525	2155454
5.679		3232	3995
5.748		2504	3414
5.79		1327254	1190486
5.822		56215	37655
5.846		272174	287245
5.982		37753	48848
6.036		13363	8975
6.062		208566	186489
6.107		1835	2363
6.15		3522	5764
6.219		510756	508346
6.265		27988	27516
6.306		2289	1986
6.389		1394	489
6.422		146962	150526
6.503		1832	3069
6.533		2314	2811
6.572	DCB	4440244	4408251
6.736		21494	57298
6.79		2983	2525
6.844		27576	42499
7.007		3088	3808
7.064		3403	7257
7.21		2962	10918
7.308		1461	986

RT A	Compound A	Height A	Area A
7.388		1415	3711
7.441		1415	4912
7.506		3886	7687
7.585		1147	1152
7.633		607	1229
7.705		3593	9108
7.814		1993	7442
7.894		6548	17583
7.968		1701	2112
8.004		1945	2188
8.073		1900	3564
8.173		1975	4348
8.192		1779	833
8.231		5802	10864
8.29		1290	889
8.299		1686	735
8.365		8515	16523
8.432		1655	812
8.448		1191	725
8.519		17740	44554
8.646		852	4342

LANCASTER LABORATORIES

Sample Number: AR1641724B IGAR164IG CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 8:36:15 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.051.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.035		5450	4515
2.078		37325	44928
2.116		14080	27957
2.167		6651	6414
2.219		25632	21414
2.305		5220	3083
2.334		12944	16098
2.374		4206	3476
2.404		62999	135571
2.455		32138	79644
2.47		29145	17842
2.493		4347	2016
2.533	TCX	23276720	14276590
2.578		172525	122589
2.632		17986	25164
2.677		3313	1680
2.706		478909	365044
2.75		278570	141122
2.766		384791	205582
2.818		2039727	1315921
2.866		85729	63312
2.91		6153	5043
2.929		263081	199689
2.998		25705	30692
3.025		1571861	765320
3.036		524737	199467
3.076		307291	191464
3.097		155889	89330
3.122		201911	108613
3.146		2494809	1638616
3.183		97987	59630
3.21		86723	44276
3.23		618305	323467
3.245		355993	174374
3.295		1037241	555406
3.304		2416029	1033667
3.325		57209	28192
3.337		2372117	1641454
3.381		9617	8493
3.411		2637519	1645752
3.448		1730197	1115740
3.471		1890404	1048516
3.488		586927	302041
3.574		2126494	1388023
3.596		834729	445214
3.617		764379	473364
3.645		546615	282926
3.663		1807923	1092738
3.702		696741	482027
3.748		61042	46638
3.769		539619	315542
3.79		2395693	1550589
3.814		539279	313986
3.833		64905	29038

RT B	Compound B	Height B	Area B
3.854		338948	229588
3.888		1879301	1263071
3.92		89886	44922
3.933		100914	46374
3.992		28527	32776
4.027		125032	104348
4.056		12207	12124
4.083		527592	382972
4.123		554536	335437
4.142		487396	236999
4.155		1243446	719520
4.18		789002	764071
4.23		4121947	3097631
4.279		35466	16599
4.298		398215	249935
4.323		879086	677566
4.365		4764007	3716131
4.421		29769	30674
4.463		3587740	3733233
4.514		498744	421386
4.553		1098892	952075
4.588		4842164	3995201
4.62		2444486	1742168
4.658		1715614	1400834
4.705		23269	25147
4.754		560587	402063
4.772		69515	35584
4.803		3106529	2376219
4.825		353532	213807
4.875		1521782	1373455
4.91		906515	736962
4.942		652839	526355
4.972		328507	199510
4.995		7056693	5930142
5.038		140007	100269
5.067		173736	131350
5.103		317135	430123
5.187		77650	49437
5.211		1476235	1236869
5.256		4435863	5069053
5.357		3295	1384
5.377		10620	10353
5.411		120139	109036
5.459		134892	100949
5.481		68640	46907
5.529		816984	735535
5.564		6161	4414
5.609		7594	6708
5.64		1781374	1521062
5.671		103046	84192
5.73		4129	1428
5.76		16755	20598
5.797		5439	5961
5.84		542967	475382
5.896		10180	9566
5.967		5582	4235
5.999	DCB	14560880	12590650
6.047		12256	14265
6.118		5326	2718
6.17		9791	9701
6.191		3134	1537
6.221		12641	17489
6.258		6504	3924
6.28		11880	8103
6.302		6477	3372
6.366		8600	12757

RT B	Compound B	Height B	Area B
6.387		5758	3803
6.436		4476	2735
6.486		86750	139021
6.53		18346	17327
6.564		3678	2982
6.634		11405	12391
6.683		9524	11138
6.73		7037	3607
6.801		3360	10146
6.831		8307	8298
6.87		3117	1922
6.905		5986	2447
6.963		7937	5822
7.014		7249	15718
7.053		4875	5806
7.074		2990	1420
7.103		4468	5563
7.149		9176	16912
7.21		2135	3656
7.246		3673	8156
7.259		2593	1356
7.35		4368	5326
7.376		9587	11766
7.402		7040	11348
7.472		9941	14663
7.545		11470	31534
7.582		7370	7138
7.628		6870	10685
7.671		13947	20291
7.758		5976	13965
7.834		60032	149944
7.912		4572	4421
7.943		2288	4404
8.013		51075	108740
8.073		9345	11919
8.097		5712	2660
8.198		20755	99893
8.307		3181	23264
8.353		7882	11211
8.38		3806	1600
8.409		6845	7733
8.494		9237	19513
8.571		9574	24311
8.597		11646	15542

AR1641724B **IGAR164IG** **CCAL 1727699999** **10736** **SW-846 8082**

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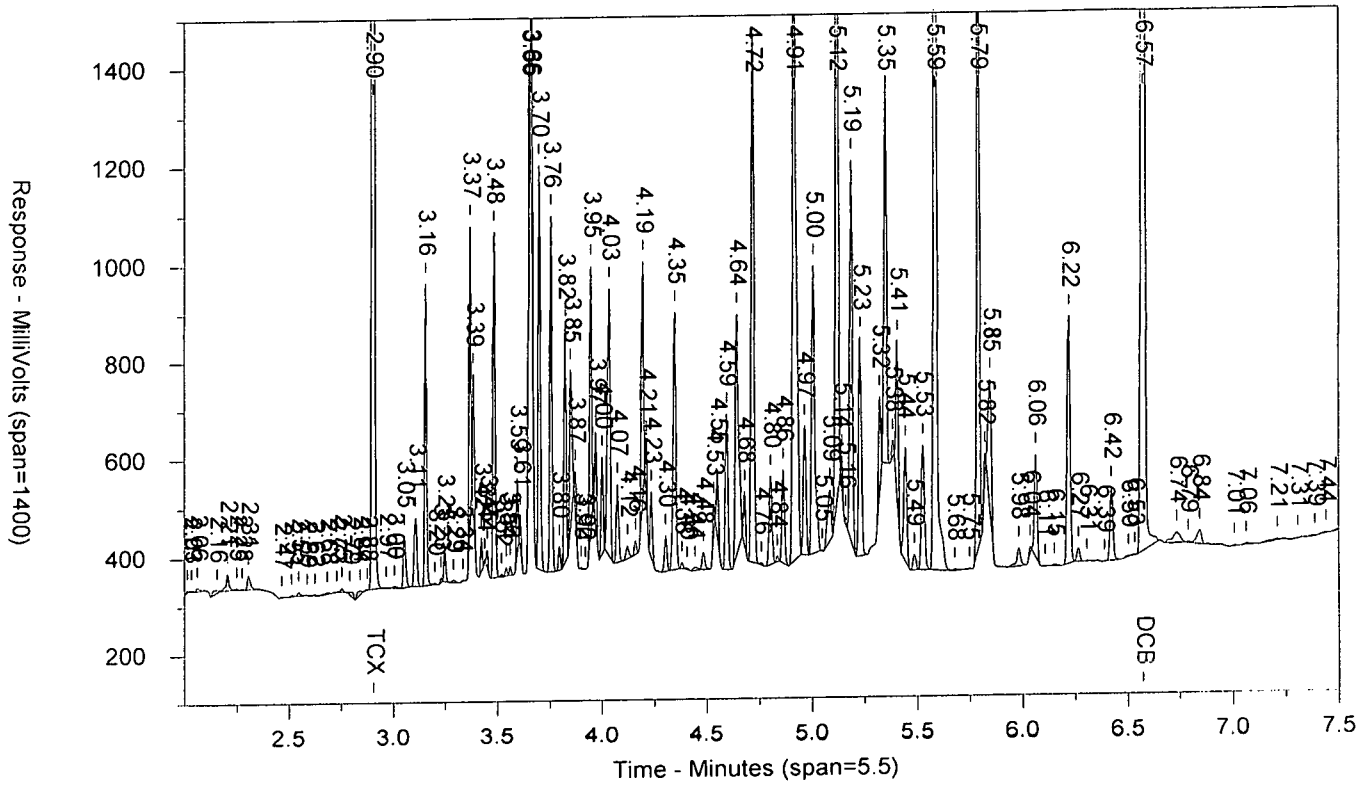

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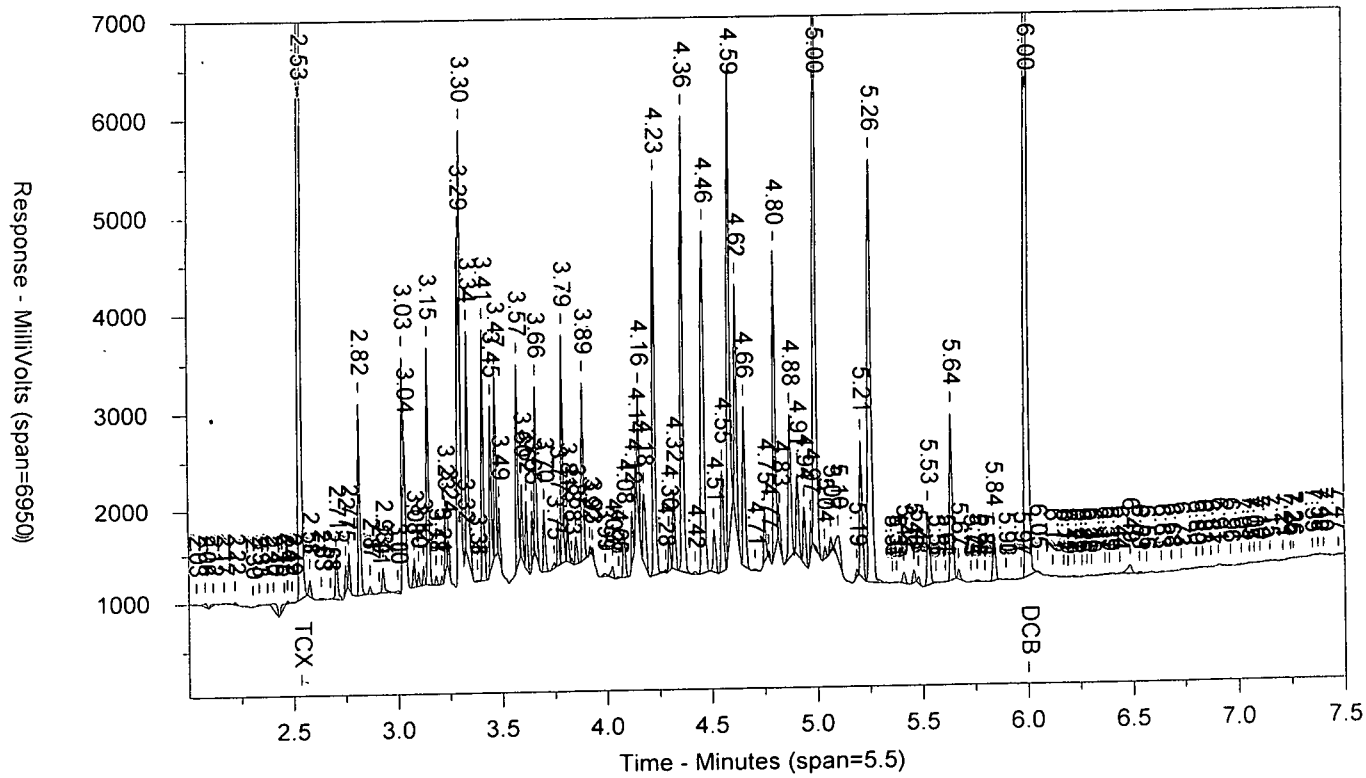

LANCASTER LABORATORIES

Sample Number: AR1641724B IGAR164IG CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 8:36:15 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.905	7874328	41.262	TCX	2.533	23276720	34.607	TCX
6.572	4440244	34.652	DCB	5.999	14560880	30.942	DCB

Files:
Area File: 20PCBs17275004.051.RAW
Area File: 20PCBs17275004B.051.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 8:44:56 AM
File Reported On: 10/5/2017 at 8:45:04 AM

AR1641724B IGAR164IG CCAL 1727699999 10736 SW-846 8082

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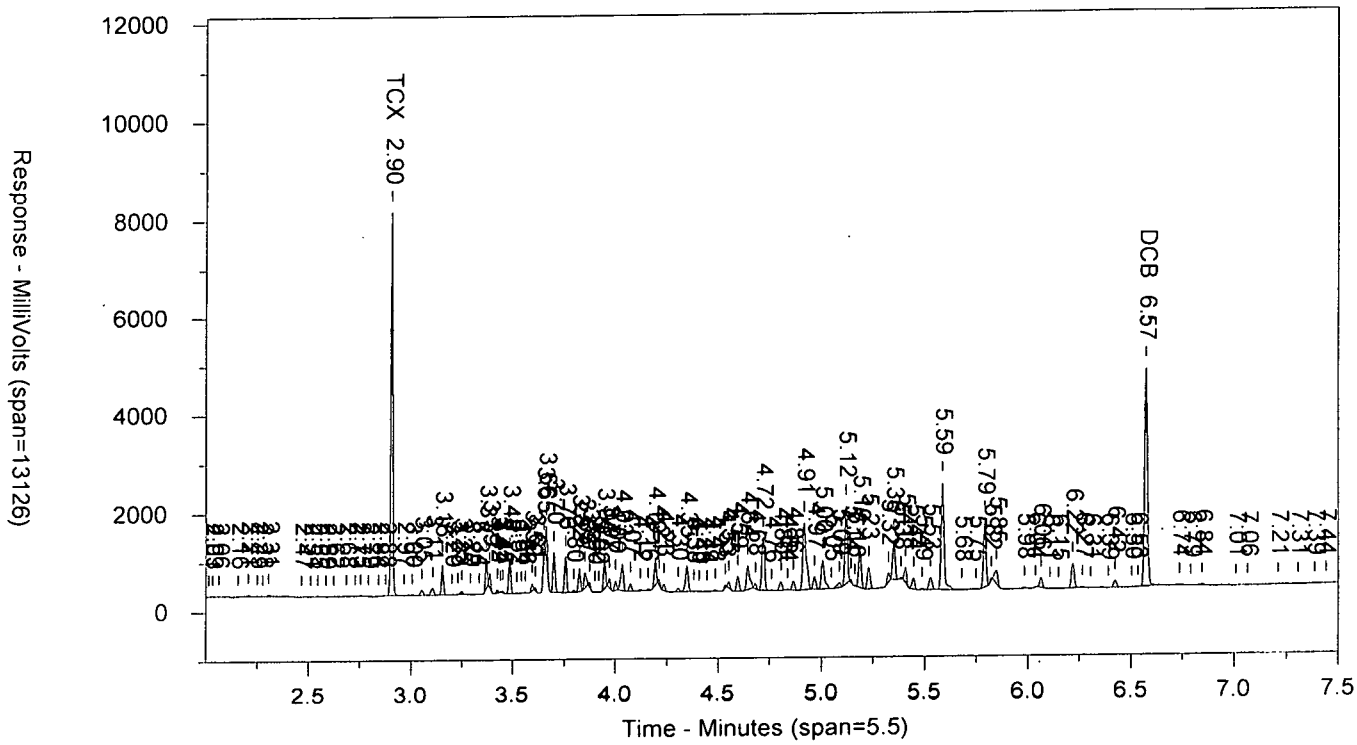

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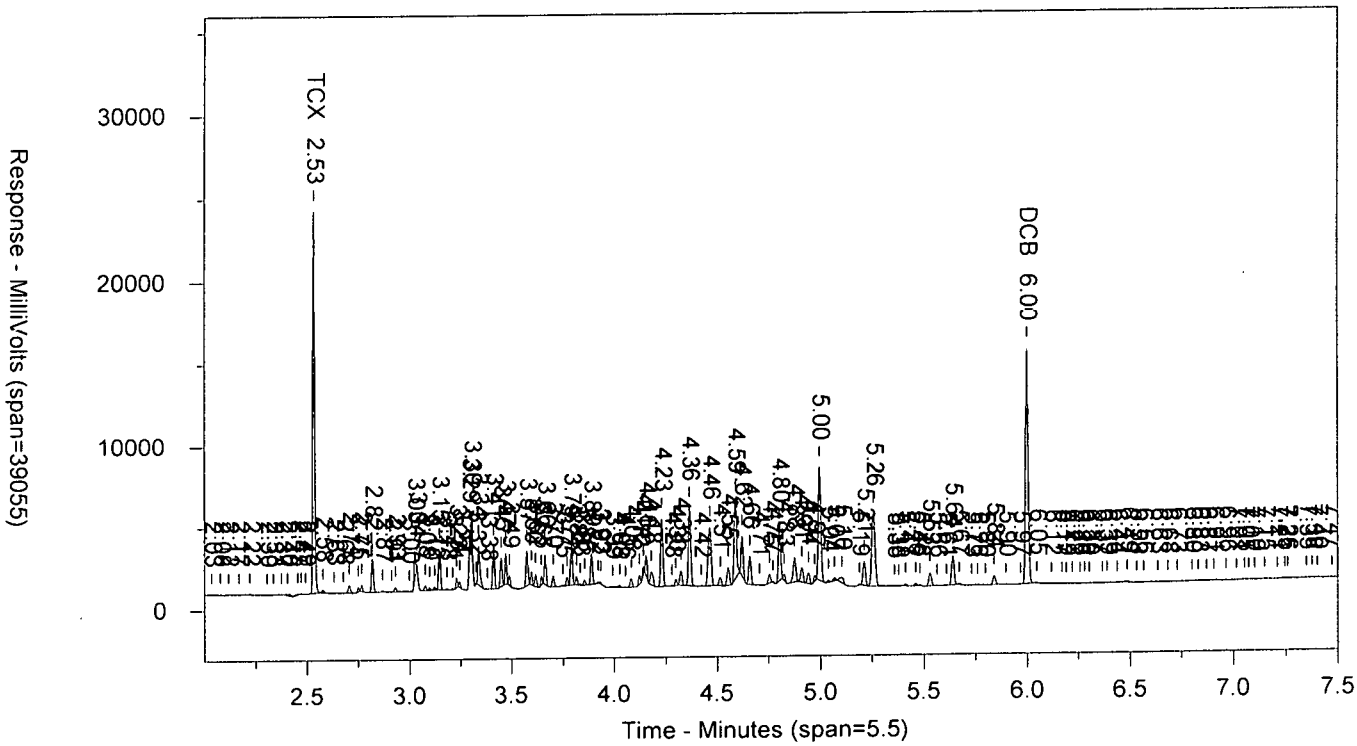

AR1641724B IGAR164IG CCAL 1727699999 10736 SW-846 8082

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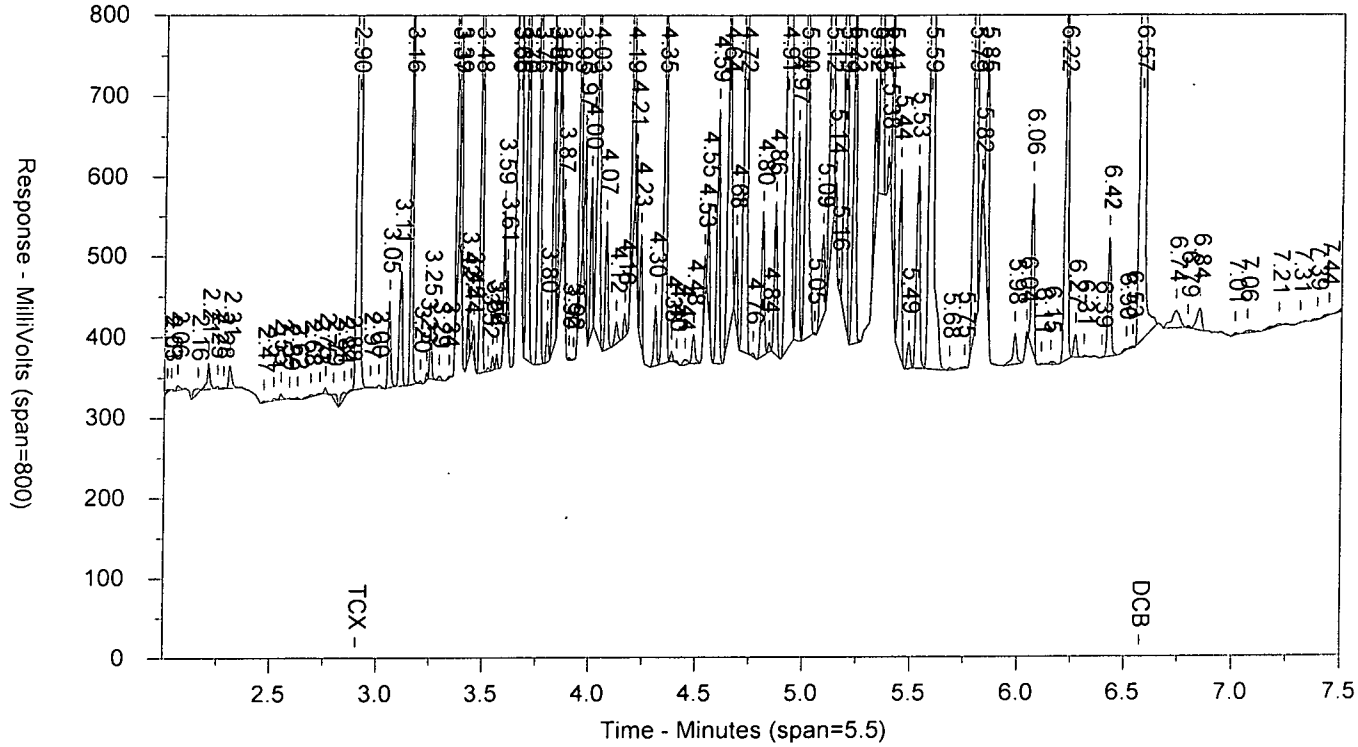

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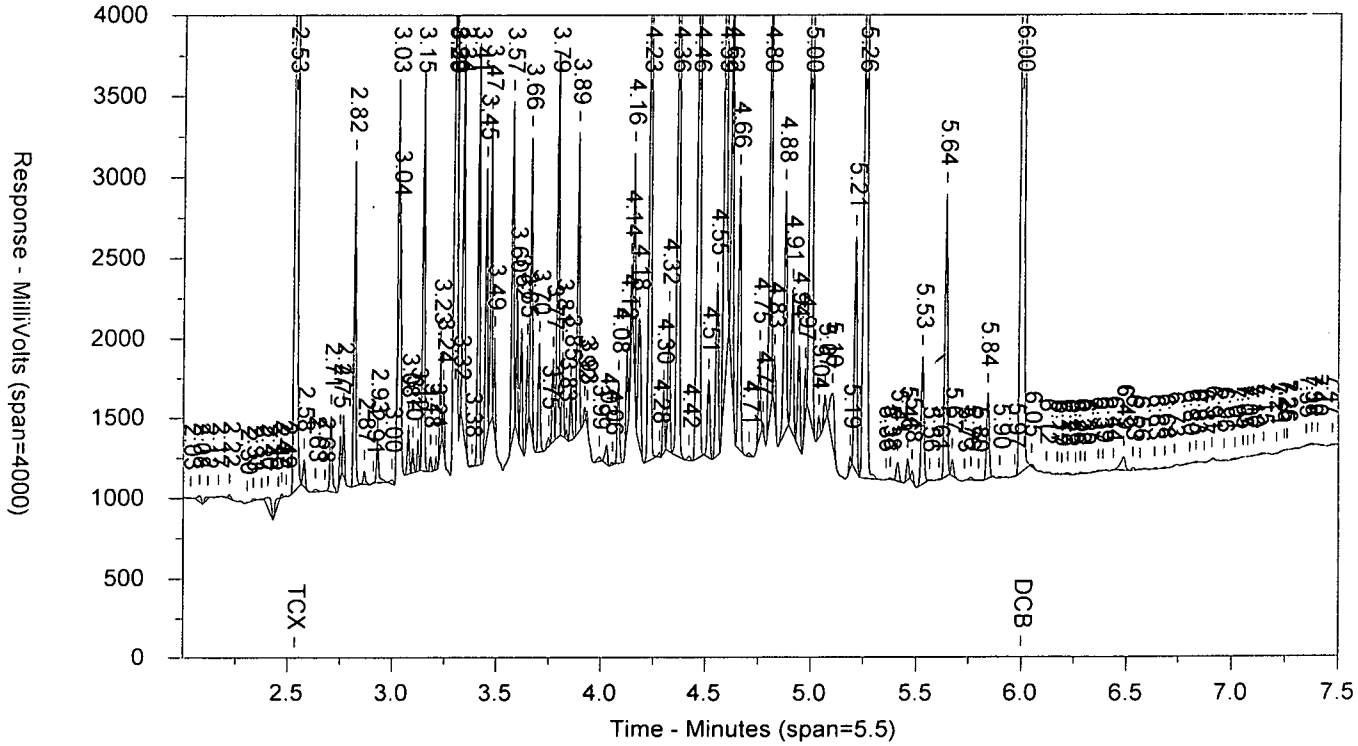

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MZPIBLKMZ PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 8:47:34 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.052.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.019		2757	2387
2.063		5781	5260
2.088		1894	2101
2.117		1439	699
2.152		1775	1435
2.191		4192	2014
2.206		12967	8393
2.252		1392	689
2.305		18258	16369
2.358		2145	23472
2.467		3768	4576
2.514		1546	1171
2.597		1313	1513
2.676		1197	737
2.753		18469	13634
2.842		10577	19382
2.904	TCX	3929271	2556603
2.983		1536	1295
3.004		1333	1330
3.08		1621	2621
3.101		43159	32102
3.158		2431	3456
3.194		4564	4493
3.23		7251	4931
3.252		1103	593
3.293		3190	3306
3.337		1469	1379
3.368		4683	6933
3.419		2444	2139
3.444		2528	2982
3.495		2668	2417
3.54		11794	7519
3.585		6106	9320
3.632		1980	2402
3.647		3823	3535
3.693		2568	2424
3.712		5329	4143
3.759		6496	12216
3.839		4293	7672
3.862		1443	775
3.897		2777	2978
3.951		4524	5965
3.987		2824	2472
4.019		6622	7444
4.056		2247	2145
4.073		4085	2974
4.127		10048	15642
4.16		2792	1005
4.184		3756	3868
4.206		19230	16841
4.24		4554	4321
4.278		1434	1026
4.341		5657	9646
4.4		6458	9418

RT A	Compound A	Height A	Area A
4.448		2909	4515
4.489		5527	8123
4.556		4261	4353
4.609		5498	5878
4.657		4166	4895
4.696		7036	10975
4.734		1622	1077
4.755		4265	3125
4.798		3215	2167
4.832		1392	1209
4.899		2471	2248
4.935		4771	7339
4.976		3113	3253
5.031		1265	2335
5.055		2011	988
5.084		2000	973
5.097		8546	7616
5.168		5925	7610
5.187		1519	649
5.292		3970	5219
5.321		11903	9407
5.385		212529	392852
5.507		1455	2297
5.612		5494	17105
5.69		7847	8908
5.748		1836	1808
5.844		1446	1655
5.911		1927	2350
5.981		6330	5416
6.005		1457	1346
6.043		5330	5802
6.165		2672	3597
6.219		7227	11858
6.268		2256	2837
6.349		2127	2388
6.421		12572	12696
6.449		2050	1616
6.569	DCB	2170295	2290406
6.688		1442	581
6.701		1635	910
6.794		1693	2459
6.842		25568	43065
6.961		2769	5060
7.004		2344	2822
7.054		367	846
7.099		1968	2250
7.139		774	931
7.161		1789	1690
7.251		1018	3156
7.313		1348	2003
7.33		1596	801
7.373		1022	595
7.416		2163	2799
7.507		3010	6424
7.583		1798	4980
7.628		2240	4024
7.699		1431	401
7.735		1393	1441
7.887		1476	4812
7.909		974	612
7.963		1890	3543
8.016		1887	2949
8.062		1183	1247
8.102		1395	1337
8.241		2034	12445
8.357		9001	20738

RT A	Compound A	Height A	Area A
8.412		1371	825
8.516		15375	35342
8.629		1778	4087

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MZPIBLKMZ PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 8:47:34 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.052.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.021		2474	1109
2.079		34595	27542
2.129		21334	76149
2.166		4550	7188
2.266		3976	3445
2.335		12139	17659
2.401		99764	270224
2.455		33421	84332
2.47		80035	64089
2.533	TCX	11563220	7260707
2.628		15310	22625
2.674		6998	4133
2.697		7965	6089
2.75		207128	140956
2.794		7263	10215
2.866		39837	36525
2.883		6798	2641
2.914		7676	7205
2.95		15811	26455
3.001		44346	54409
3.032		51105	67587
3.064		8826	5649
3.09		2569	1165
3.109		3818	2679
3.138		7812	3749
3.181		2461	617
3.186		2299	806
3.209		57892	36731
3.25		37994	72227
3.308		10172	29986
3.324		7171	3758
3.341		7753	6373
3.399		16781	33046
3.445		16931	17604
3.468		13327	9676
3.501		61257	119796
3.556		55876	92148
3.61		17681	9323
3.628		8269	3695
3.654		12115	15143
3.682		16755	12180
3.704		27473	25319
3.759		69347	87918
3.795		54504	72090
3.819		23065	20146
3.853		62524	61970
3.878		10642	4249
3.908		86008	182718
3.982		41860	140173
4.057		12598	28791
4.081		17260	23904
4.126		11221	7066
4.143		6143	2612
4.174		24919	31828

RT B	Compound B	Height B	Area B
4.219		18578	23476
4.254		47834	95721
4.337		53233	107383
4.386		16781	19784
4.42		31874	33642
4.462		11179	9771
4.499		25592	28601
4.557		37812	54978
4.594		31759	39587
4.634		15251	17374
4.671		27639	35717
4.703		23824	24155
4.748		20439	26687
4.777		27833	35001
4.817		35120	40051
4.852		58590	56472
4.904		166328	291420
4.973		36584	37204
5.011		56525	60657
5.048		53026	56623
5.102		396821	708162
5.204		7654	23321
5.225		23607	25963
5.296		24919	43347
5.334		3352	3172
5.372		10893	12572
5.41		34945	33630
5.457		5209	4457
5.479		18689	14508
5.534		23208	41165
5.612		13808	17904
5.659		4842	5007
5.684		6486	4197
5.757		18103	36967
5.839		67637	57231
5.894		9709	11461
5.998	DCB	7840626	6922376
6.165		6033	5558
6.219		13920	19810
6.255		4038	4206
6.29		6229	7512
6.33		15270	25138
6.384		15394	29217
6.485		89637	161065
6.529		16070	19132
6.574		8200	10910
6.626		12781	20619
6.677		8530	10808
6.713		3868	1229
6.731		2650	1086
6.755		5895	3892
6.792		5159	3507
6.852		5893	11850
6.875		9850	10012
6.948		6035	6626
6.999		7330	9723
7.025		10335	12787
7.068		3796	2066
7.125		6350	23747
7.157		5926	8093
7.278		15312	82454
7.403		7322	36889
7.462		9599	13209
7.569		13320	41084
7.629		4227	5409
7.691		7317	21467

RT B	Compound B	Height B	Area B
7.735		8399	10610
7.793		2410	3989
7.832		31850	57058
7.874		2651	1080
7.925		4540	12511
8.014		30975	69550
8.097		2804	8062
8.147		3144	1479
8.251		3530	9944
8.278		4540	3877
8.345		8587	15854
8.407		3034	3621
8.447		2821	2158
8.523		6145	17925
8.623		4472	4066
8.667		40943	106768

IBLKX1724B MZPIBLKMZ PIBLK1727699999 10736 SW-846 8082

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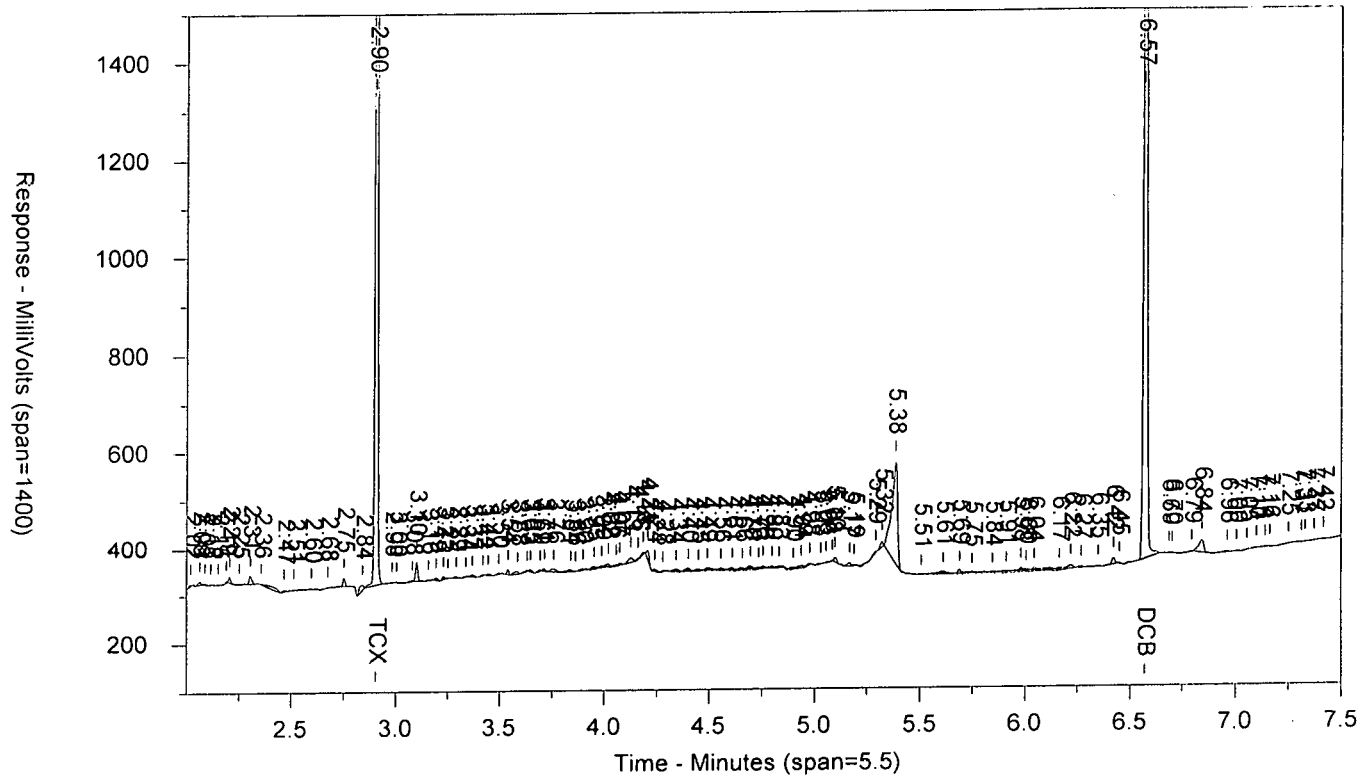

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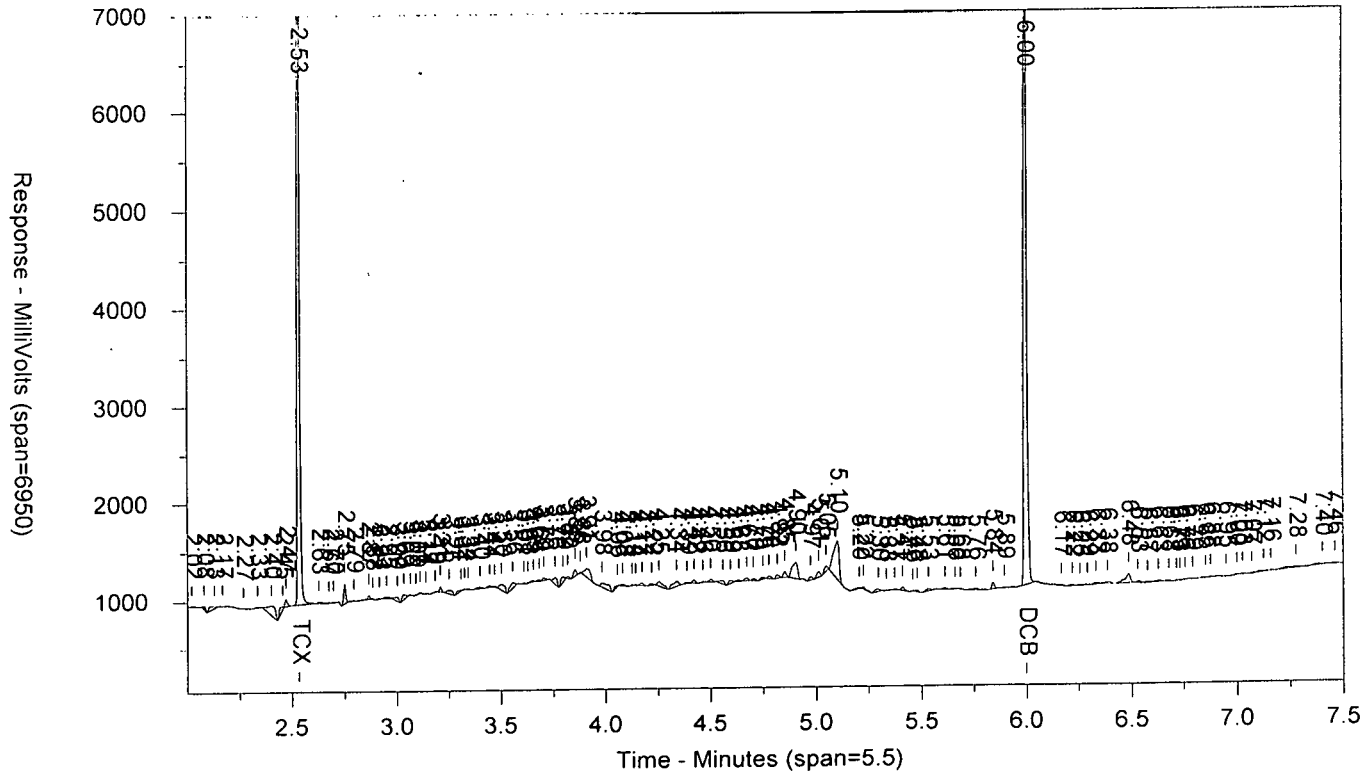

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MZPIBLKMZ PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 8:47:34 AM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	3929271	.206	TCX	2.533	11563220	.172	TCX
6.569	2170295	.169	DCB	5.998	7840626	.167	DCB

Files:
Area File: 20PCBs17275004.052.RAW
Area File: 20PCBs17275004B.052.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 8:56:18 AM
File Reported On: 10/5/2017 at 8:56:29 AM

IBLKX1724B MZPIBLKMZ PIBLK1727699999 10736 SW-846 8082

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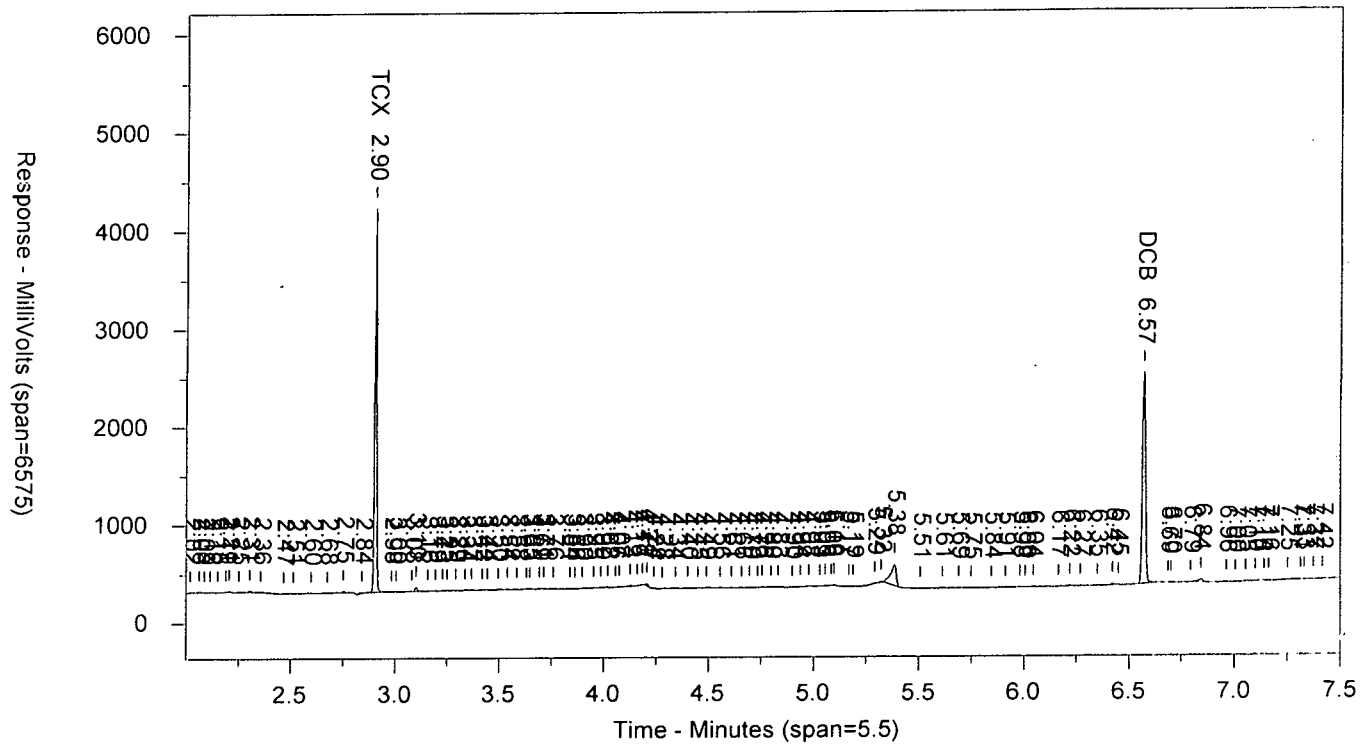

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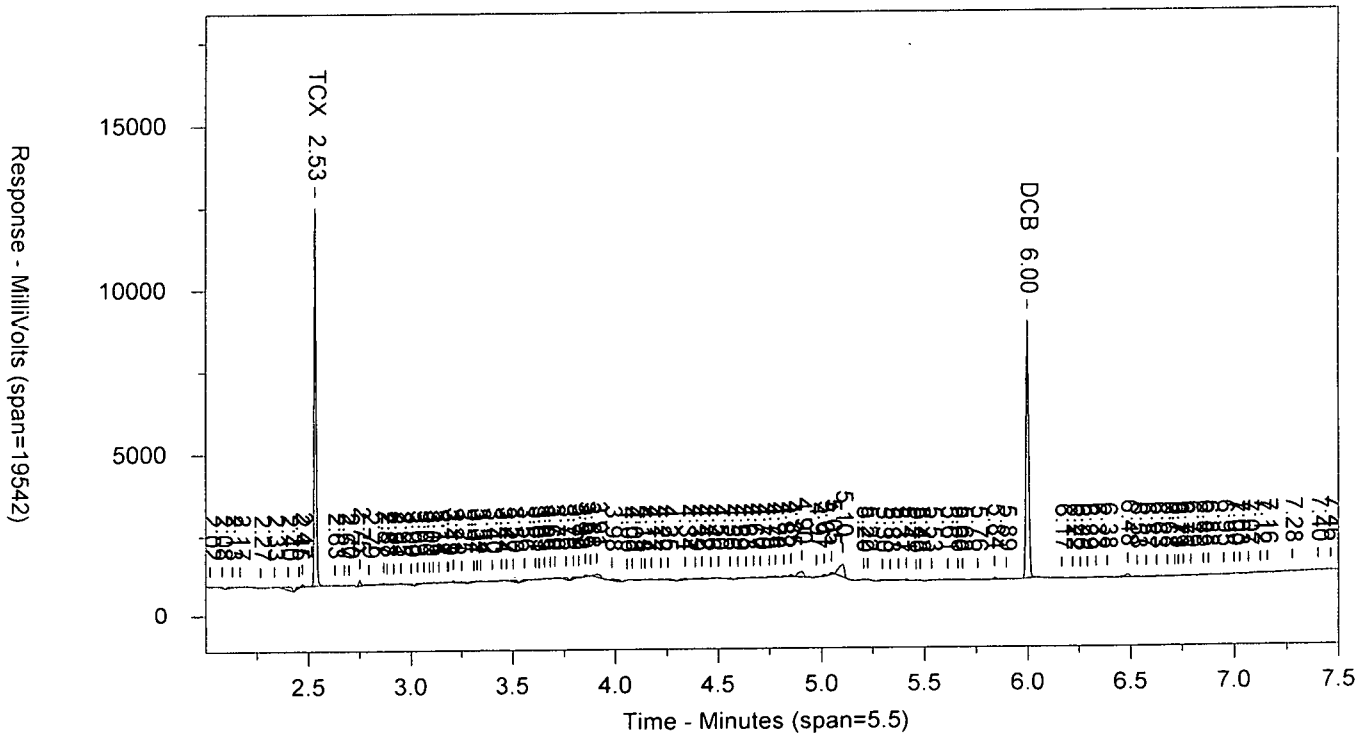

IBLKX1724B MZPIBLKMZ PIBLK1727699999 10736 SW-846 8082

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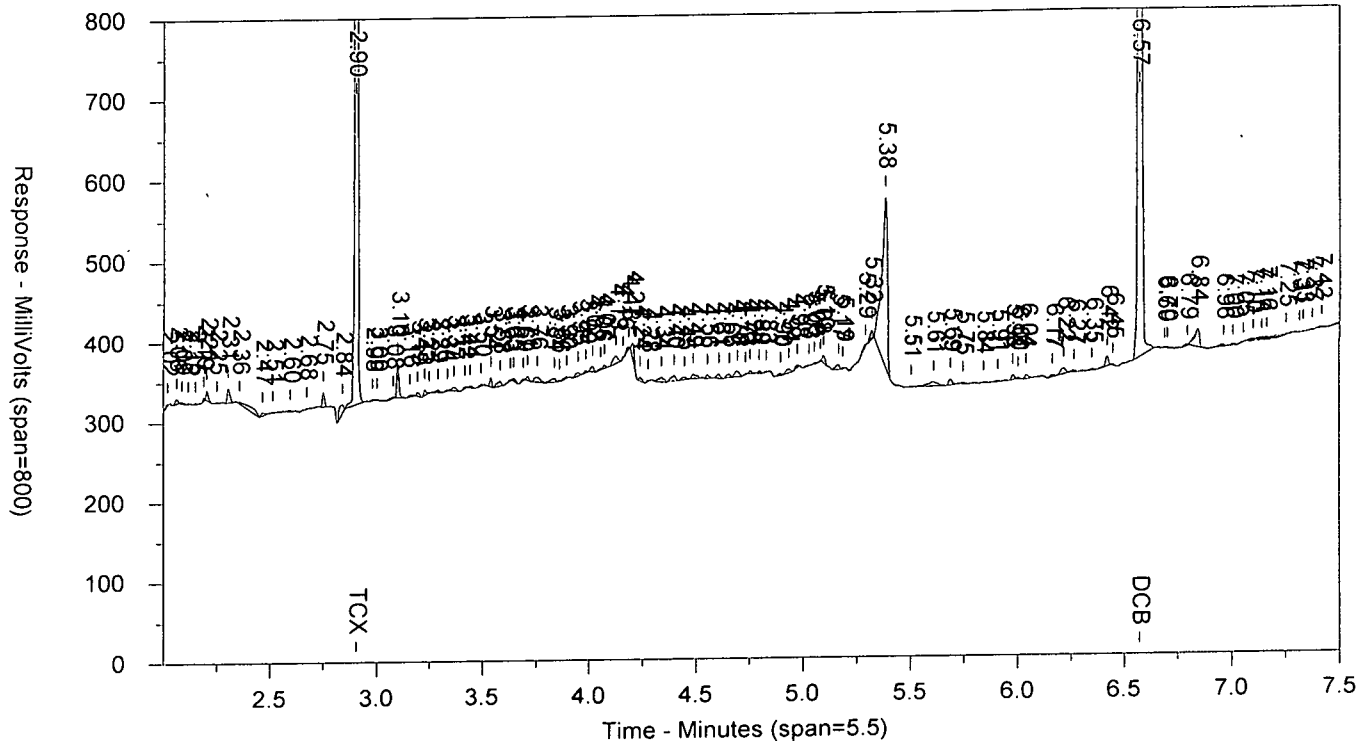

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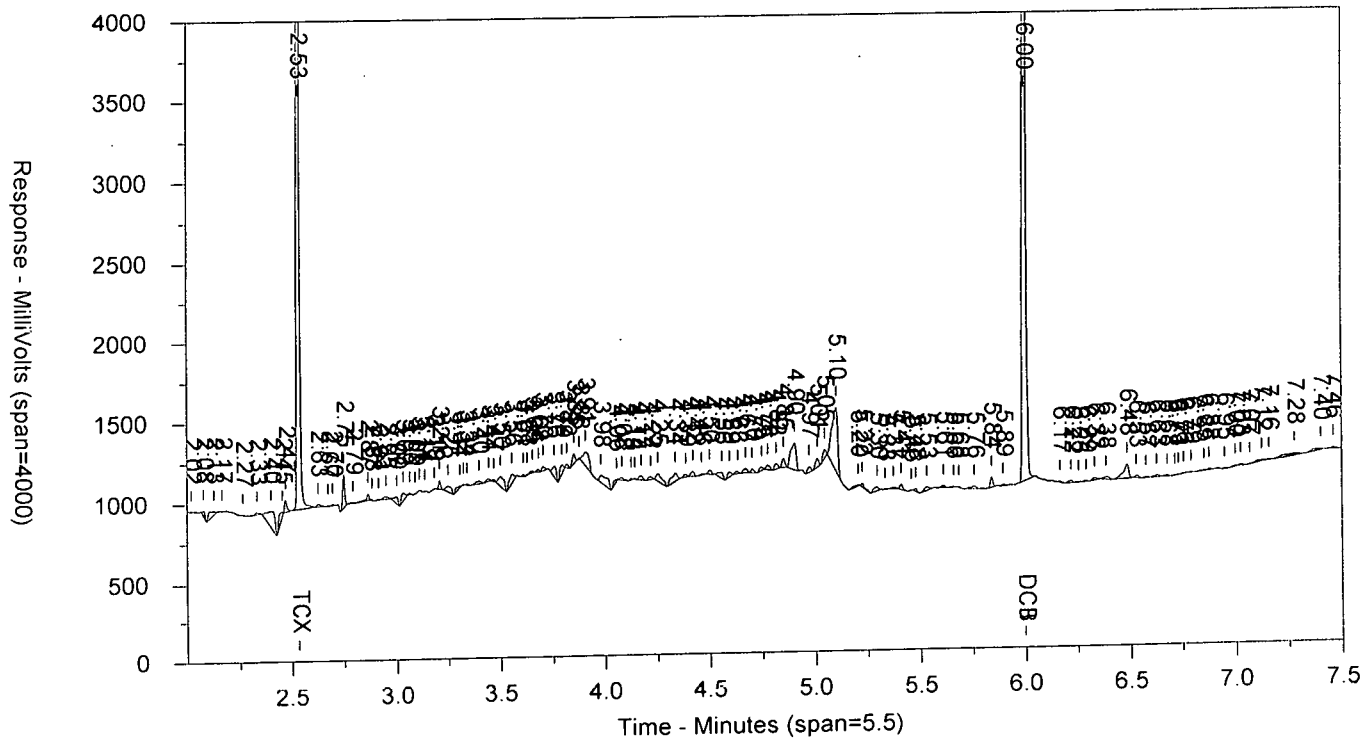


LANCASTER LABORATORIES

Sample Number: AR1641724B IHAR164IH CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 10:07:30 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.059.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.03		3894	8042
2.061		5714	6217
2.206		34687	29825
2.282		1050	740
2.306		20052	21970
2.41		2612	5361
2.469		1989	2629
2.513		2086	1575
2.545		8808	7376
2.71		508	3644
2.753		10562	7980
2.84		13412	23404
2.904	TCX	8353805	5486536
3.003		3269	2222
3.052		115830	99710
3.106		157443	149981
3.155		653118	452201
3.23		12294	6227
3.248		73279	47909
3.29		4101	4022
3.336		1811	1857
3.369		706602	409191
3.386		309312	165823
3.423		77328	43238
3.438		10663	4065
3.45		41474	19933
3.483		802829	586787
3.52		3393	1576
3.539		24788	14594
3.558		21322	12041
3.592		177599	100692
3.607		83127	40719
3.65		403405	220959
3.661		829041	408280
3.697		970476	697943
3.754		849061	599672
3.794		60116	41297
3.822		565134	406513
3.849		393493	325865
3.871		104542	54233
3.945		632551	434990
3.968		209719	135800
3.999		235617	161983
4.032		645318	594395
4.072		194127	150302
4.117		28630	26560
4.157		31489	23045
4.19		572001	416492
4.208		126937	66307
4.232		166193	121348
4.301		86214	72730
4.343		607046	564531
4.378		16621	12153
4.438		5740	5263

RT A	Compound A	Height A	Area A
4.481		40324	35770
4.531		73335	44107
4.547		138990	96749
4.591		376944	328906
4.64		592071	638662
4.677		123067	85742
4.715		1331545	1209877
4.76		5362	4688
4.801		209083	210125
4.833		11099	7057
4.861		233029	208043
4.912		1573199	1904592
4.963		305293	275508
5.003		719995	785187
5.083		135039	158373
5.117		1800797	1665033
5.14		78200	36862
5.159		18038	7122
5.184		917903	851206
5.226		559504	525039
5.291		2574	2332
5.321		229333	180071
5.346		908249	811821
5.403		464556	398100
5.442		264874	273968
5.485		41005	44788
5.526		310842	341620
5.583		2561196	2569763
5.669		1777	2929
5.788		1559764	1462183
5.82		72884	48708
5.844		319936	347498
5.98		43181	42415
6.037		12597	13781
6.06		242362	223256
6.161		2113	2857
6.216		637400	609777
6.262		33214	32692
6.419		185269	188703
6.568	DCB	5060667	5103840
6.623		4607	3376
6.837		18039	30077
7.013		4049	4721
7.215		1069	1090
7.267		1283	1886
7.434		893	1514
7.507		1323	1949
7.724		1009	2938
7.888		1248	3628
8.077		897	2566
8.185		880	1490
8.357		5824	15842
8.513		9859	25635
8.625		1072	2809
8.654		1036	478

LANCASTER LABORATORIES

Sample Number: AR1641724B IHAR164IH CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 10:07:30 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.059.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

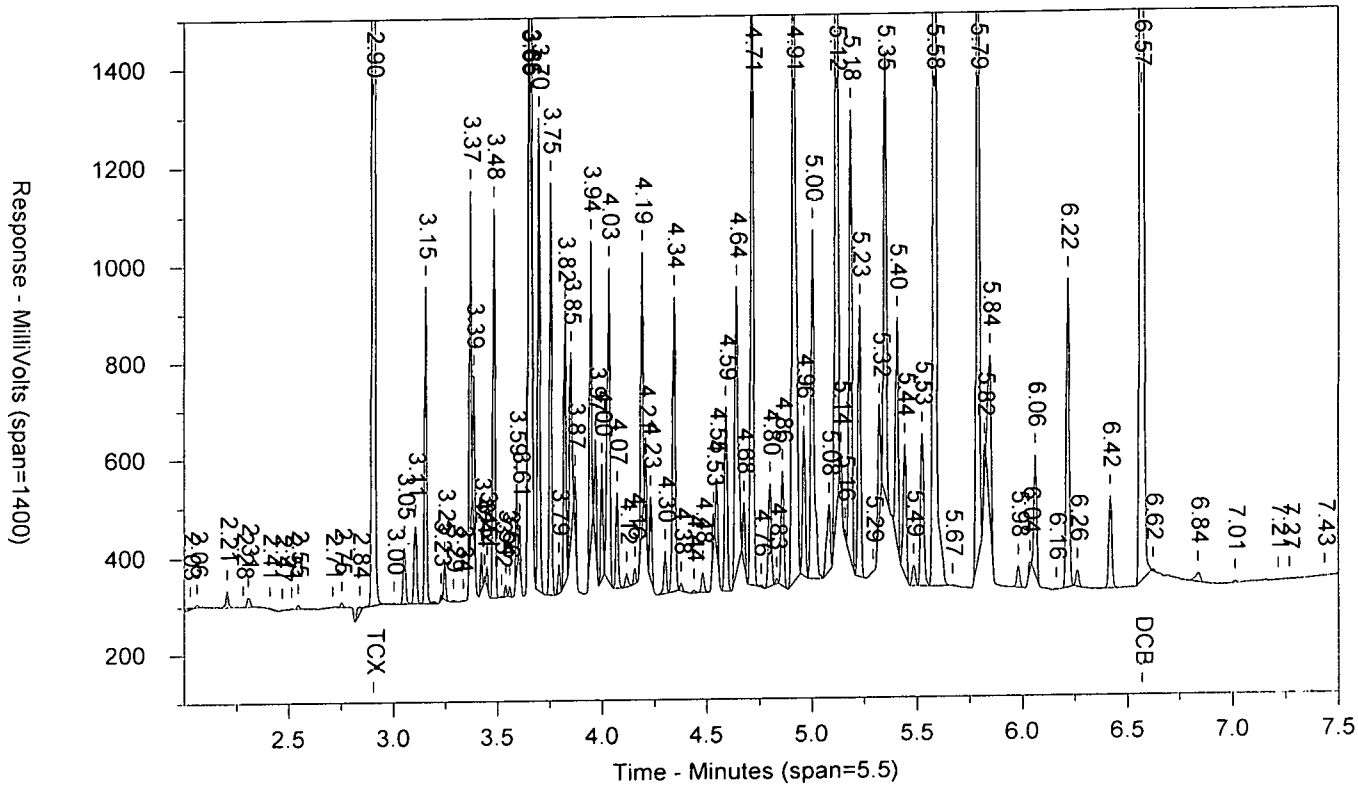
RT B	Compound B	Height B	Area B
2.076		28286	35384
2.109		10854	13848
2.129		3283	1879
2.17		4935	6722
2.219		30981	26090
2.27		4222	5359
2.33		7539	11080
2.402		57748	149495
2.453		49554	98323
2.47		47781	29486
2.491		6094	3064
2.532	TCX	24304410	14880460
2.577		190672	134075
2.624		6352	8913
2.705		517201	391796
2.75		313423	160255
2.765		427239	225789
2.817		2175955	1404997
2.866		88724	56791
2.928		303822	219826
3.002		25146	21934
3.024		1684451	816455
3.035		583211	218433
3.075		365665	225333
3.096		175562	99626
3.122		237613	131946
3.145		2728064	1822539
3.183		111351	65825
3.209		109334	57099
3.229		692520	368403
3.244		400177	198989
3.294		1236374	613690
3.303		2582901	1094797
3.324		85137	32037
3.337		2698739	1871046
3.41		3039592	1913710
3.447		2026603	1310037
3.469		2190390	1211226
3.487		694570	357155
3.572		2494178	1644899
3.594		976101	532287
3.615		936061	559292
3.643		652189	345734
3.66		2220339	1320221
3.699		859378	600606
3.746		107397	78401
3.766		623559	363345
3.788		2792584	1807114
3.812		632550	376473
3.831		93528	43998
3.852		385639	255727
3.886		2247789	1543300
3.918		110532	58966
3.931		144854	80052

RT B	Compound B	Height B	Area B
3.989		31272	35561
4.024		144967	115089
4.06		6731	16074
4.08		657014	471526
4.12		722517	423768
4.139		586205	308931
4.152		1607381	878811
4.177		949198	959804
4.227		4878905	3797616
4.276		59662	36470
4.296		444986	284350
4.32		1139570	865350
4.362		5732557	4547510
4.419		12368	13482
4.461		4419280	4581423
4.511		651110	533273
4.55		1408109	1237266
4.585		5707311	4790636
4.618		3003462	2178637
4.655		2152089	1752413
4.708		13573	13007
4.752		700193	524002
4.77		92936	44700
4.801		3846333	3005540
4.823		480488	282999
4.873		1939612	1762861
4.908		1078690	897831
4.939		853733	692141
4.97		399821	259494
4.993		8494956	7409858
5.036		195787	149946
5.064		293889	231240
5.099		150398	195797
5.185		103195	67353
5.209		1843828	1601531
5.253		5283321	6354886
5.374		7096	5535
5.41		197035	178139
5.457		171509	130082
5.479		104586	76537
5.528		1110769	998108
5.61		2615	1468
5.638		2320871	2062282
5.67		153936	120069
5.732		3674	3118
5.758		7437	7122
5.788		3728	3349
5.839		790693	700454
5.891		6074	4824
5.962		3213	1976
5.997	DCB	18462760	16533220
6.153		2449	915
6.279		3944	4147
6.324		7174	7832
6.381		4089	4132
6.457		12128	11251
6.484		53197	50693
6.529		6683	5166
6.567		3624	5439
6.627		5260	6032
6.682		3657	3356
6.821		3107	2284
6.901		1536	916
6.953		2131	1058
6.993		3545	4058
7.069		3867	5488

RT B	Compound B	Height B	Area B
7.17		2854	2448
7.21		2292	494
7.232		2390	1681
7.308		3509	11589
7.446		1441	6261
7.468		4603	6497
7.586		3074	14169
7.628		2938	2481
7.695		2414	6333
7.758		2870	7845
7.83		32555	67123
7.906		2251	2342
7.952		3125	1094
8.01		16281	30851
8.061		1793	2178
8.099		2615	1861
8.215		1201	3735
8.258		2558	1836
8.34		8659	16222
8.439		2788	1618
8.471		2304	1192
8.534		2587	4943
8.574		3309	1703

AR1641724B IHAR164IH CCAL 1727699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275004.059.RAW



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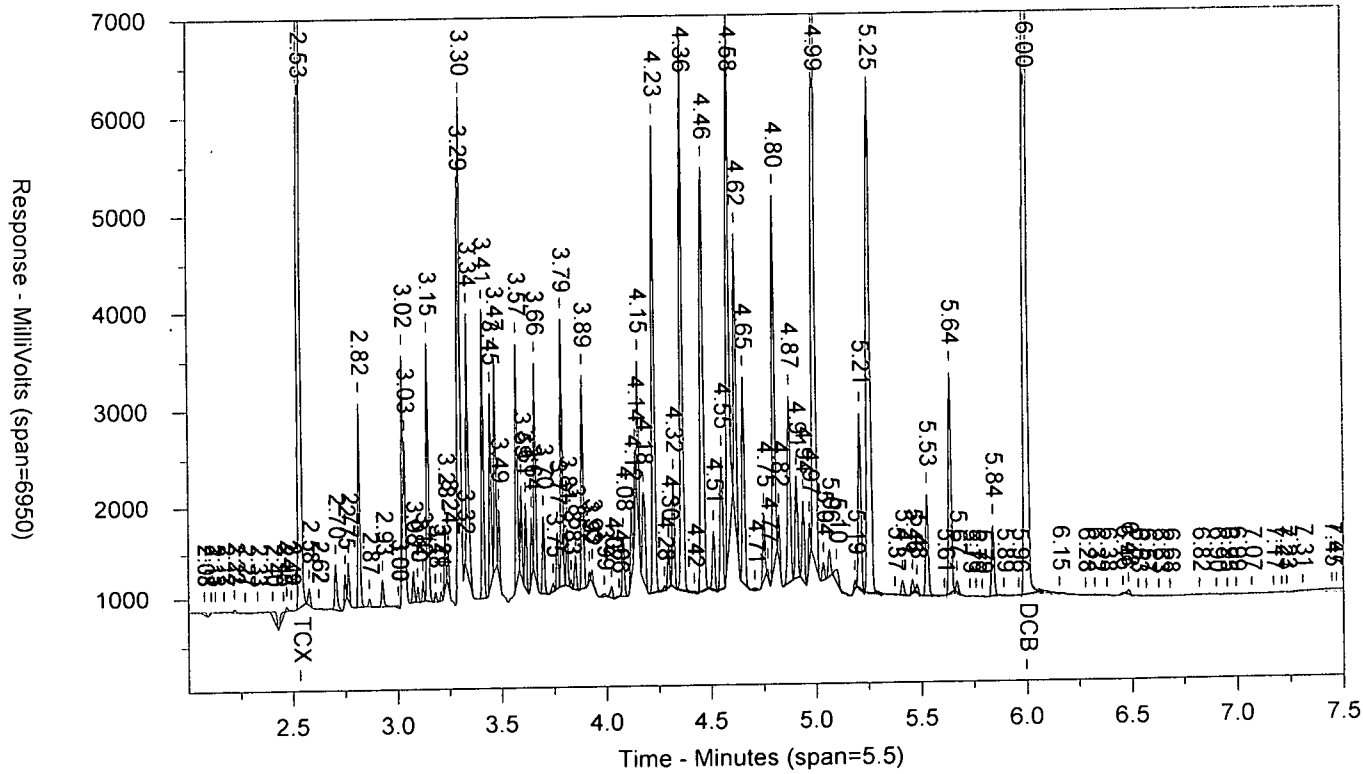

LANCASTER LABORATORIES

Sample Number: AR1641724B IHAR164IH CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 10:07:30 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	8353805	43.775	TCX	2.532	24304410	36.135	TCX
6.568	5060667	39.494	DCB	5.997	18462760	39.233	DCB

Files:
Area File: 20PCBs17275004.059.RAW
Area File: 20PCBs17275004B.059.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 10:16:13 AM
File Reported On: 10/5/2017 at 10:16:27 AM

AR1641724B IHAR164IH CCAL 1727699999 10736 SW-846 8082

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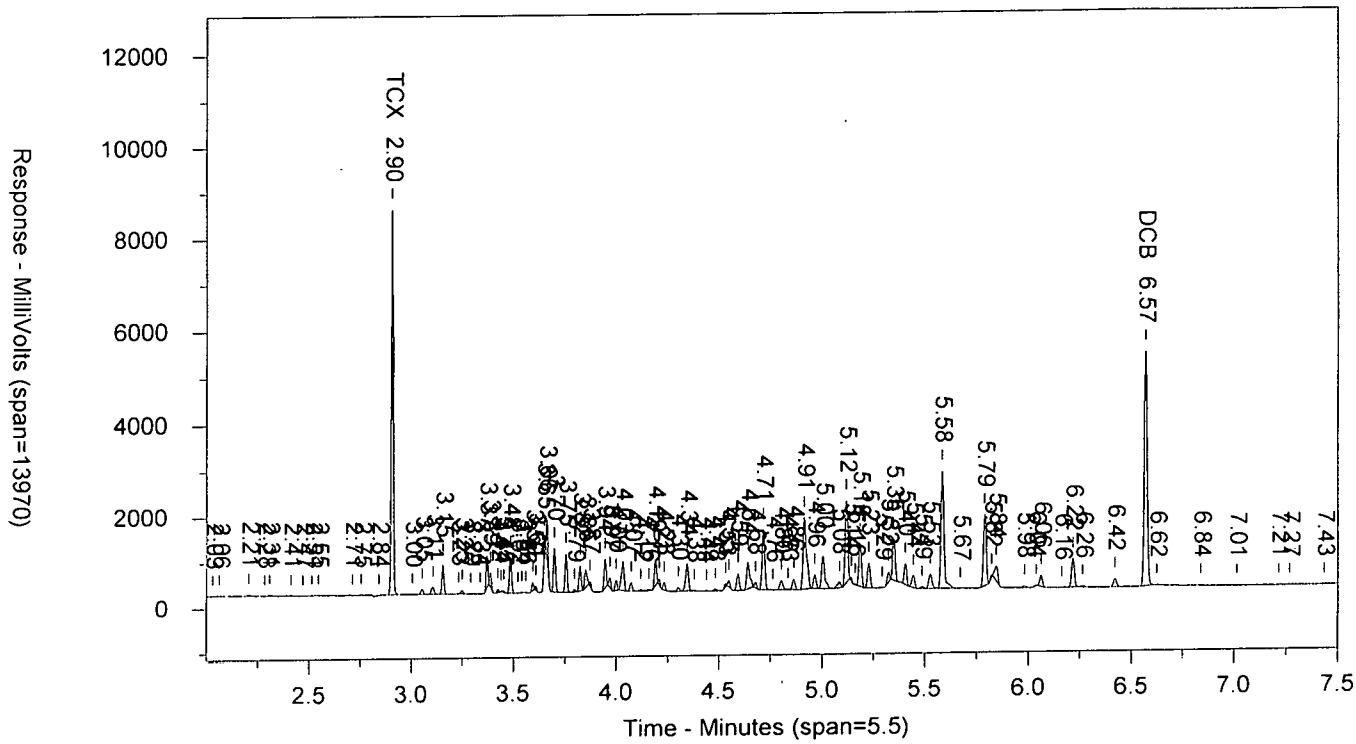

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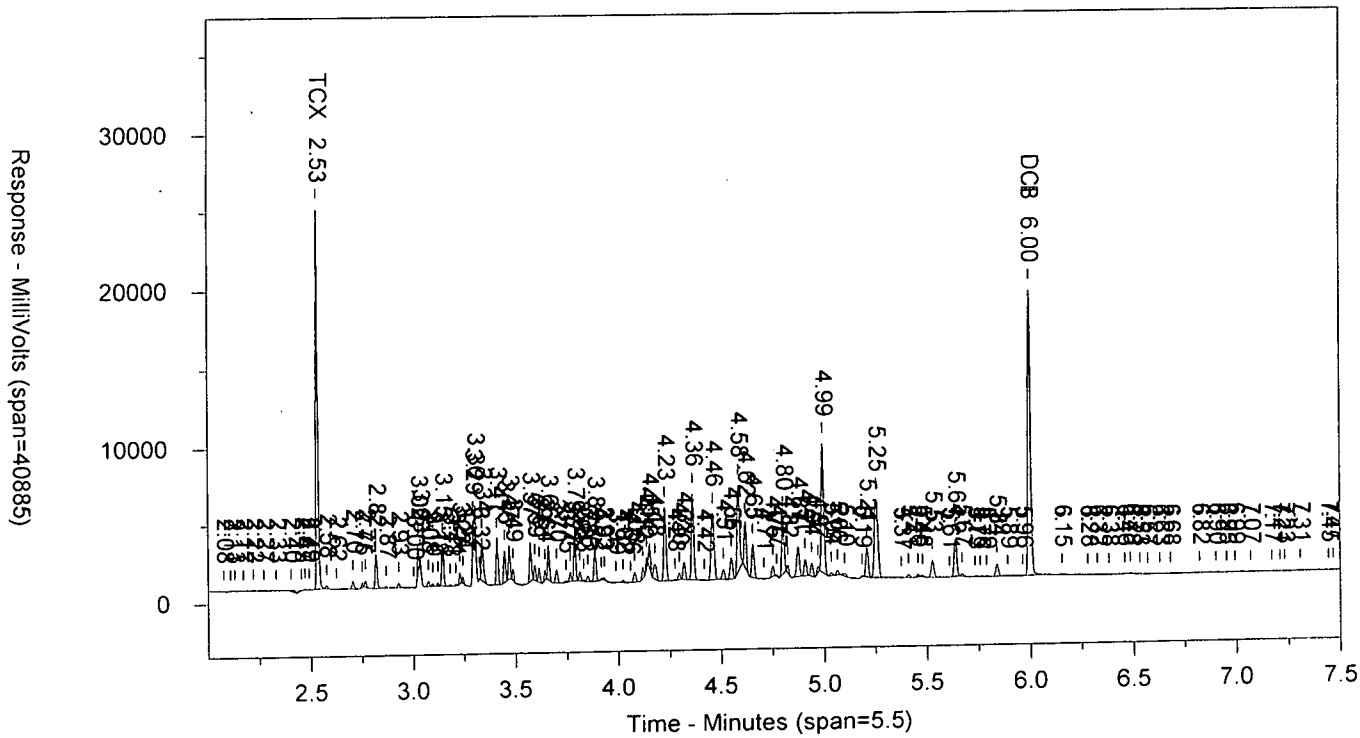

AR1641724B IHAR164IH CCAL 1727699999 10736 SW-846 8082

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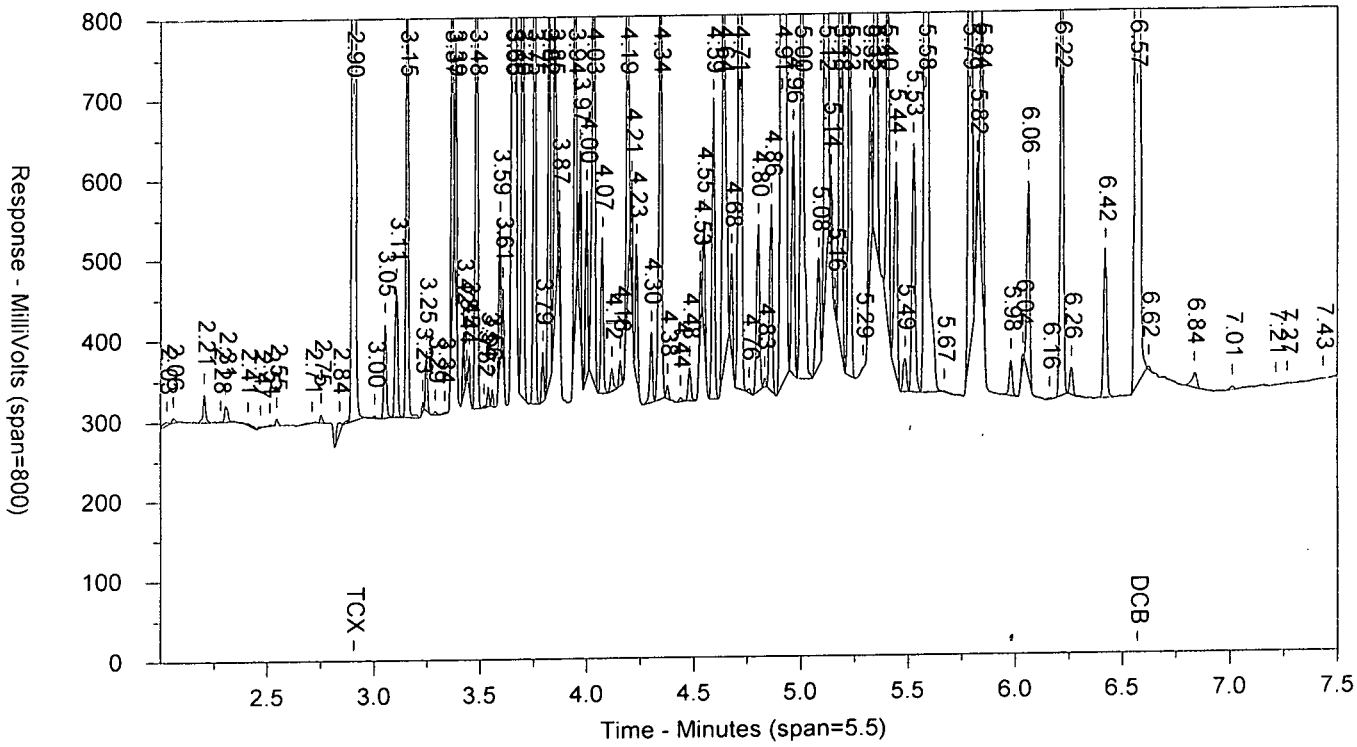

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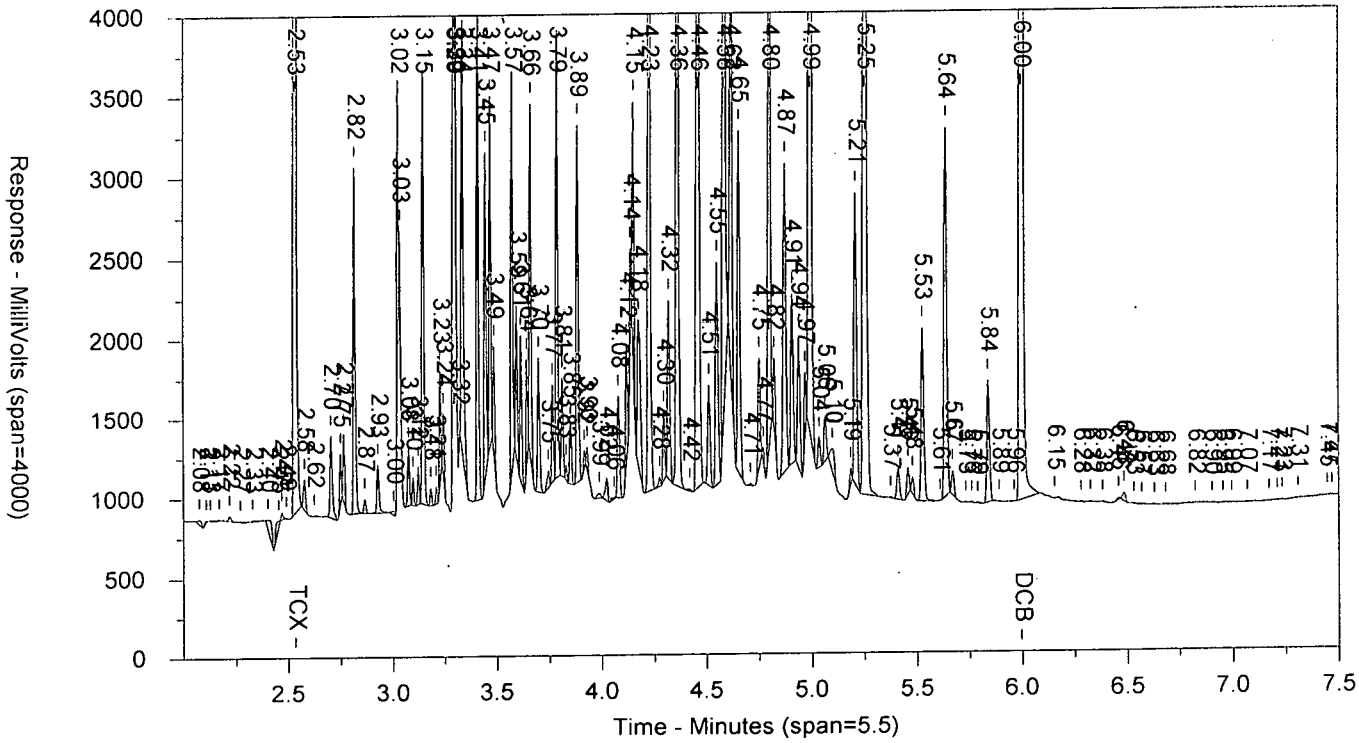

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NAPIBLKNA PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 10:19:03 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.060.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.025		2607	4508
2.061		5597	7372
2.206		19199	17944
2.267		1310	1101
2.304		18308	17783
2.399		2687	4174
2.464		1964	1564
2.494		3347	2210
2.513		1687	1473
2.586		3844	3279
2.675		3879	5447
2.726		1338	1674
2.754		16011	67269
2.847		9992	26225
2.904	TCX	3952190	2581557
3.006		3409	4063
3.07		1082	1534
3.101		47721	33146
3.168		2890	2738
3.2		2043	1998
3.231		9012	10929
3.292		1289	952
3.329		994	836
3.365		1243	1549
3.389		1753	1791
3.43		1424	1306
3.51		1726	2509
3.54		8911	5813
3.571		2195	1599
3.621		1799	1905
3.643		5978	4486
3.695		1242	1726
3.753		4117	5308
3.821		1965	2428
3.861		1560	1114
3.9		1678	2114
3.949		2654	3904
3.984		1126	1028
4.017		2678	4065
4.073		2017	1374
4.133		5429	7465
4.193		15642	39401
4.241		3618	3167
4.291		3625	4428
4.337		4349	6184
4.391		3522	4598
4.428		1766	1114
4.491		1122	713
4.505		1920	1416
4.557		2479	1529
4.605		2734	3847
4.658		2095	2234
4.698		2730	4745
4.75		1954	2280

RT A	Compound A	Height A	Area A
4.802		1396	1105
4.832		2257	3320
4.925		1400	2176
4.958		880	1233
4.996		2241	2220
5.035		1351	1932
5.082		2895	2813
5.121		2295	1764
5.164		3211	3787
5.252		3482	3592
5.289		6600	8103
5.336		2892	4361
5.383		108432	184654
5.606		3497	4760
5.688		1644	1706
5.793		1387	2299
5.981		11093	11666
6.043		10109	10784
6.164		984	1514
6.217		3680	4258
6.3		1784	1947
6.419		19620	20546
6.568	DCB	2409117	2571672
6.838		16831	31729
7.01		2737	3933
7.149		1269	1882
7.265		1201	3686
7.326		712	697
7.423		1183	1345
7.505		1661	4088
7.615		912	424
7.712		1415	2774
7.782		1018	1277
7.895		1397	2984
8.034		745	1782
8.355		5541	14511
8.513		10156	21275
8.649		1079	370

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NAPIBLKNA PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 10:19:03 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.060.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.029		4585	4650
2.075		32259	36228
2.132		7791	32437
2.172		20601	40540
2.27		17015	16637
2.33		5090	3727
2.366		12324	8319
2.469		126804	333940
2.532	TCX	11385520	7252196
2.638		16283	23098
2.676		3839	1757
2.695		5804	4366
2.725		17219	9739
2.75		197434	124900
2.792		2881	1954
2.816		8957	10377
2.865		42760	28041
2.905		8260	9147
2.943		11016	12071
2.982		17010	38035
3.032		19943	27129
3.062		12048	10882
3.108		9473	13945
3.139		7169	7101
3.169		1090	490
3.184		3203	2527
3.209		37602	24649
3.248		31624	43745
3.307		12528	29747
3.337		8814	8611
3.373		6239	5144
3.407		10186	9961
3.442		10027	10199
3.466		8896	8280
3.501		26234	50946
3.558		32538	52410
3.588		10337	6369
3.613		6991	6917
3.645		16229	14091
3.678		11428	9580
3.705		16315	12854
3.731		5906	3206
3.759		39193	42761
3.795		34391	44115
3.821		14397	9823
3.853		47419	44866
3.884		4911	4143
3.913		46404	74641
3.982		21067	20445
4.01		11984	14389
4.047		17899	17452
4.081		11453	15729
4.128		12909	15137
4.167		17352	19570

RT B	Compound B	Height B	Area B
4.215		11915	15757
4.253		24716	47060
4.314		7220	5407
4.337		18941	22240
4.384		13153	15056
4.42		17448	20923
4.463		9451	12645
4.502		16964	15456
4.547		21259	37459
4.586		19639	20431
4.622		9784	11760
4.668		16661	22040
4.701		17927	17063
4.743		13708	13917
4.779		17370	20165
4.816		18934	23146
4.852		27720	27916
4.899		63002	120179
4.976		11687	17479
5.012		31723	33617
5.05		15463	17479
5.101		214338	406247
5.207		17256	43241
5.29		14937	27431
5.373		5993	7083
5.41		53633	52970
5.479		44275	48937
5.533		9825	11016
5.571		2757	1939
5.604		5107	5816
5.668		8699	26482
5.754		10023	19457
5.838		94619	82959
5.893		6328	9055
5.935		3101	2661
5.997	DCB	8965982	8554965
6.22		5226	6612
6.275		4597	5536
6.325		7955	9284
6.38		8508	15977
6.482		67423	116732
6.681		6066	11612
6.787		2259	3331
6.995		6270	18261
7.181		2677	1274
7.324		2036	12459
7.36		2236	943
7.457		4928	6959
7.572		4146	7232
7.629		3483	6639
7.682		2833	3641
7.746		3229	7428
7.83		29061	59228
8.008		18025	40821
8.101		2111	4638
8.232		2679	9118
8.339		8529	19051
8.444		1934	1003
8.531		2496	1173
8.567		2432	4218

IBLKX1724B NAPIBLKNA PIBLK1727699999 10736 SW-846 8082

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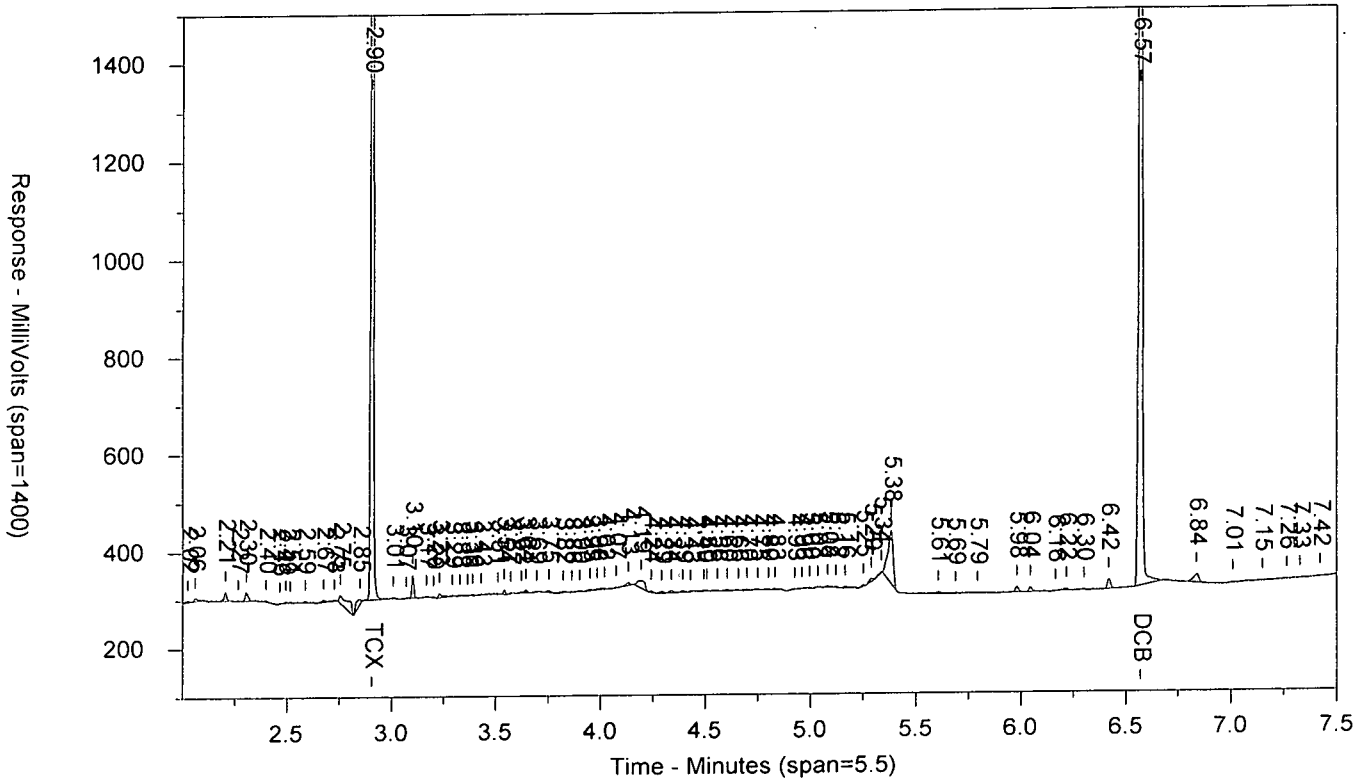

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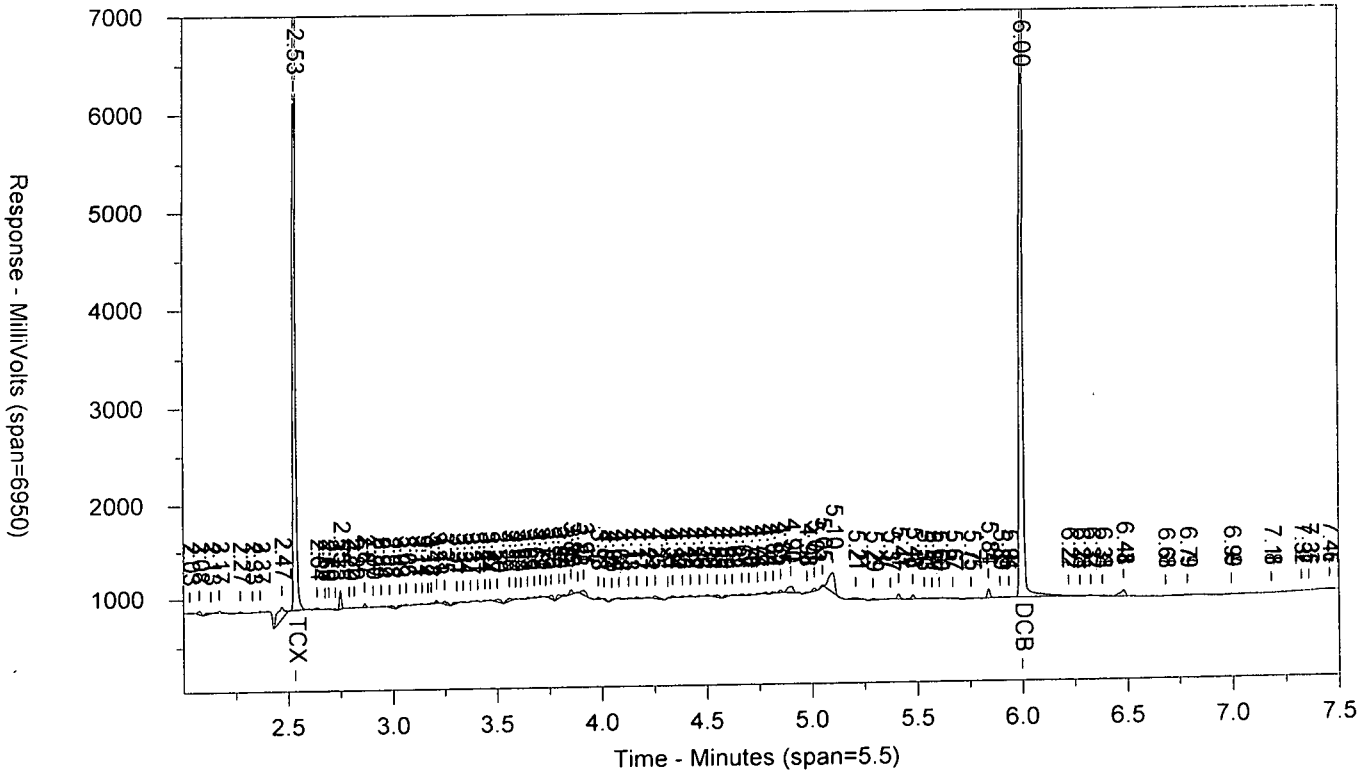

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NAPIBLKNA PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 10:19:03 AM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	3952190	.207	TCX	2.532	11385520	.169	TCX
6.568	2409117	.188	DCB	5.997	8965982	.191	DCB

Files:
Area File: 20PCBs17275004.060.RAW
Area File: 20PCBs17275004B.060.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 10:27:47 AM
File Reported On: 10/5/2017 at 10:27:56 AM

IBLKX1724B NAPIBLKNA PIBLK1727699999 10736 SW-846 8082

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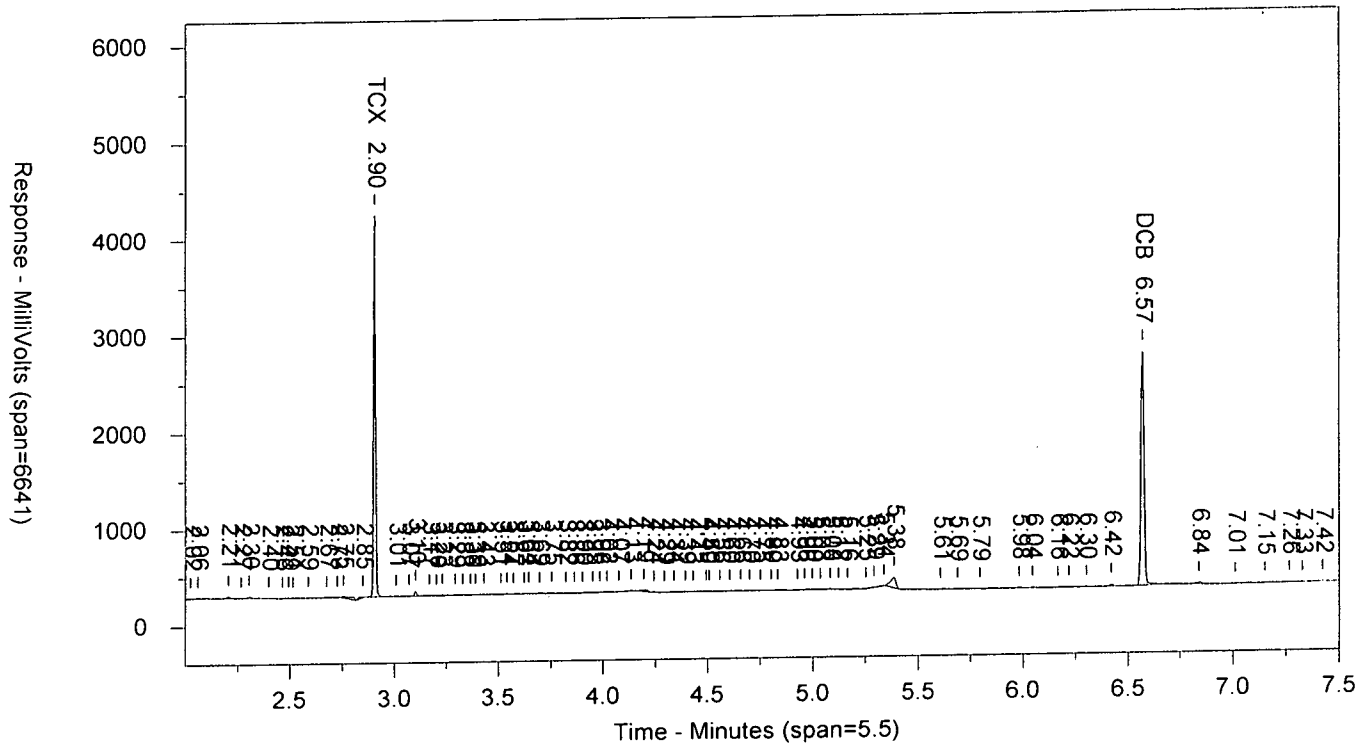

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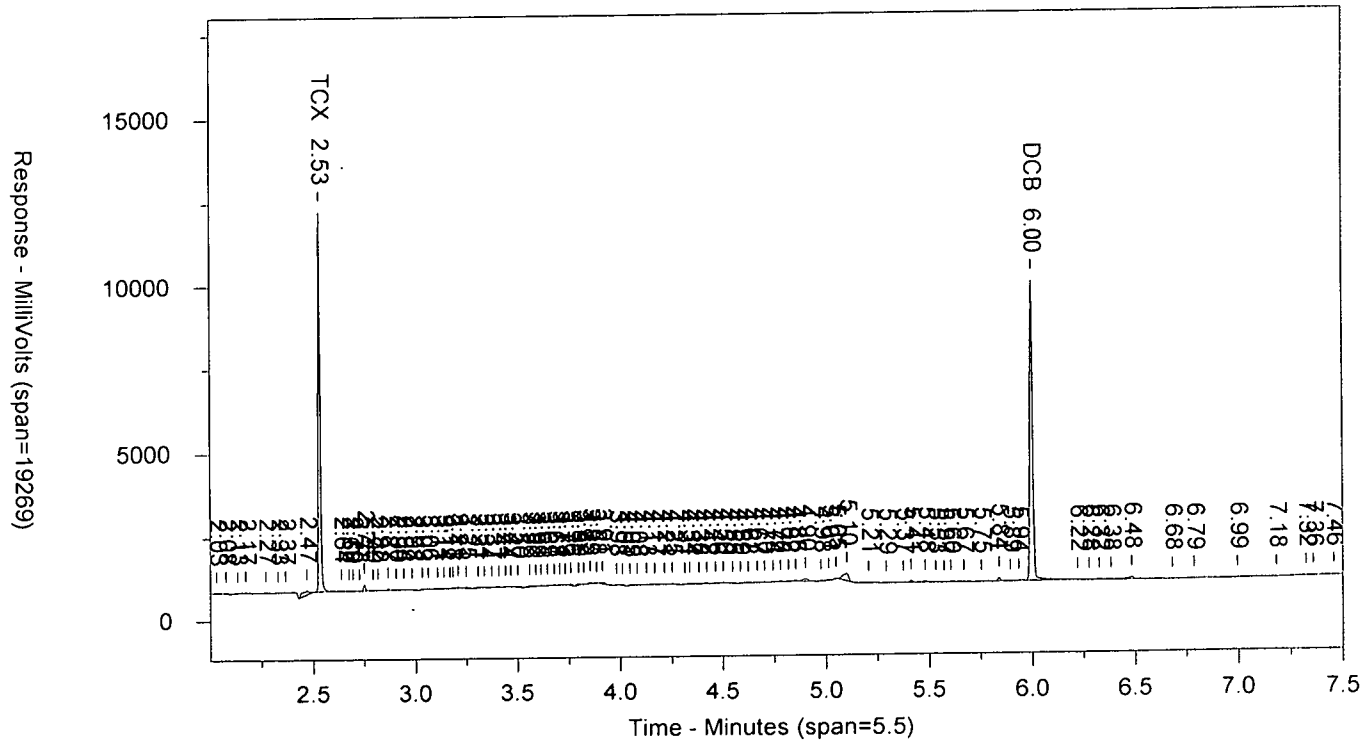

IBLKX1724B NAPIBLKNA PIBLK1727699999 10736 SW-846 8082

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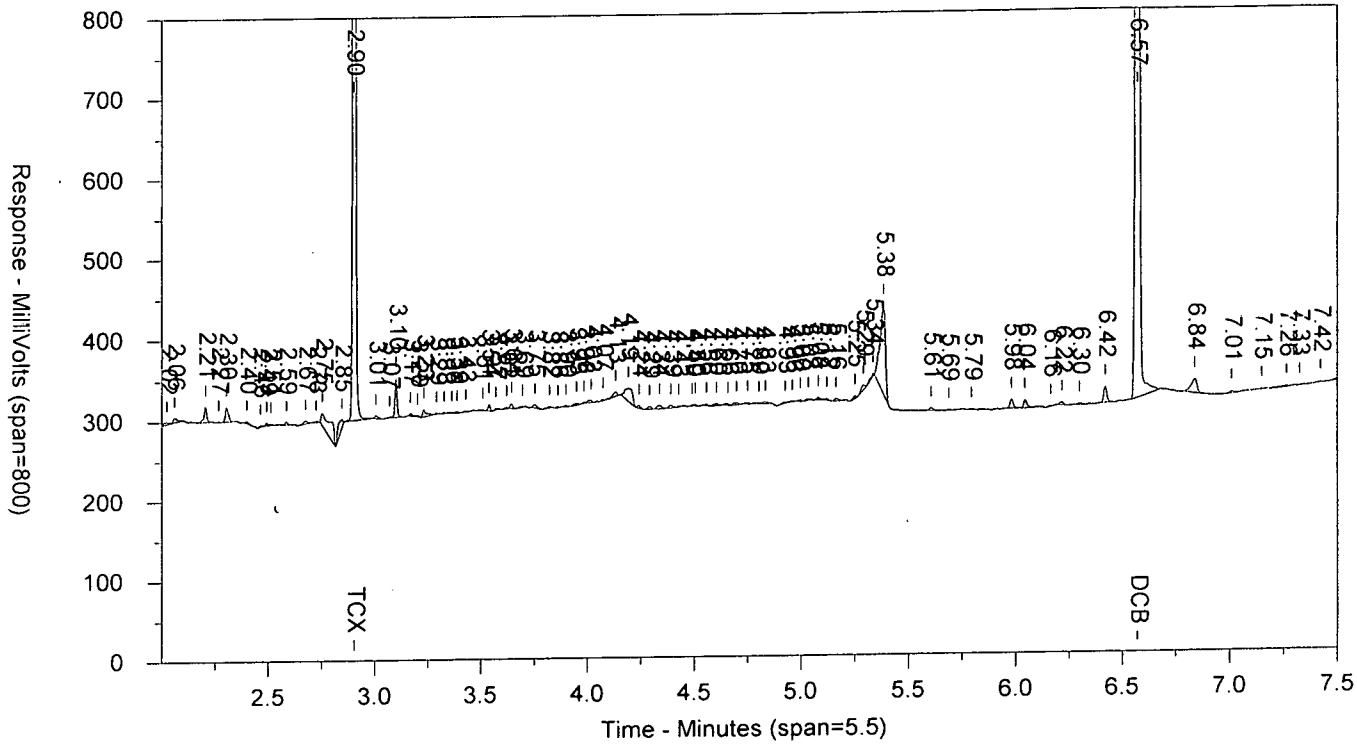

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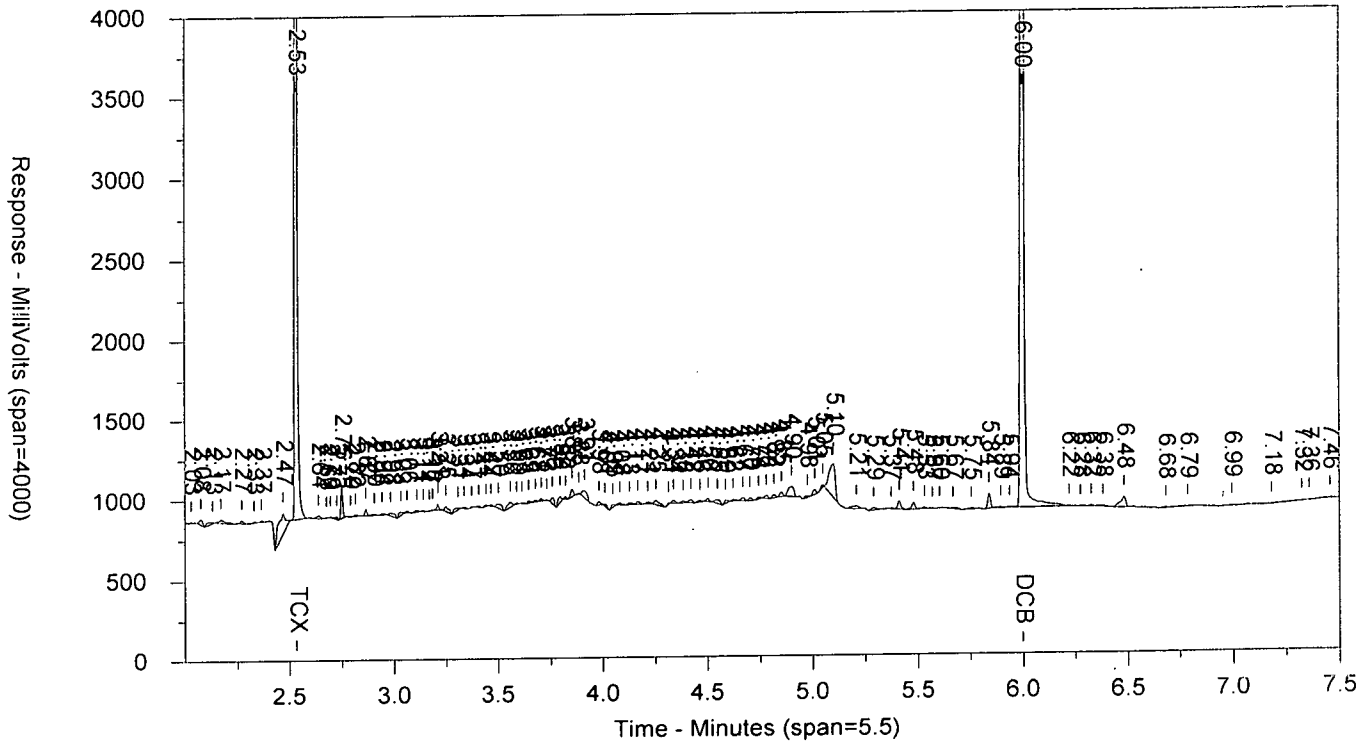

LANCASTER LABORATORIES

Sample Number: AR1641724B IIAR164II CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 2:19:08 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.081.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.03		5156	12082
2.062		5489	7999
2.205		35287	29298
2.305		24780	28132
2.49		4049	11509
2.513		2272	1647
2.545		8829	7796
2.582		1499	1054
2.677		1688	1890
2.733		1006	1817
2.753		16162	74812
2.843		16335	28797
2.904	TCX	8146666	5475026
3.003		2791	3097
3.053		123340	106752
3.107		157110	152770
3.155		640878	449022
3.231		12890	7151
3.248		75838	49025
3.29		2975	2172
3.37		655661	401109
3.386		317753	164479
3.424		74003	42316
3.439		12377	4619
3.451		37157	18104
3.484		792126	586851
3.521		3176	1491
3.54		21575	13011
3.56		24051	14700
3.593		175918	98857
3.608		88268	41877
3.651		488643	238756
3.662		811734	381389
3.699		958252	689845
3.756		847621	586552
3.795		59565	42131
3.823		553464	400731
3.85		394903	329839
3.872		77408	41955
3.945		624888	430986
3.969		206416	136132
4		236533	161452
4.033		629024	588777
4.072		187921	148655
4.119		26681	23861
4.158		33251	24709
4.191		562847	406242
4.21		114584	59887
4.233		156428	119446
4.303		83238	72088
4.345		603499	564444
4.379		21915	15293
4.441		4785	4546
4.482		49728	44012

RT A	Compound A	Height A	Area A
4.532		73476	47834
4.549		127371	91991
4.593		375414	328769
4.642		602204	640730
4.677		130106	86482
4.716		1316322	1219003
4.762		5303	3769
4.801		210185	211532
4.834		11767	7611
4.862		233942	217778
4.914		1553691	1872233
4.965		304815	284730
5.004		714949	789000
5.085		135824	160419
5.118		1993738	1974737
5.159		19119	8495
5.185		960433	877494
5.228		568197	544798
5.281		2194	2921
5.322		222633	179497
5.347		1024224	857827
5.404		491129	445934
5.443		282650	282932
5.485		46346	46778
5.527		331369	349174
5.584		2444596	2509107
5.677		2920	3616
5.79		1553807	1527804
5.821		78855	57013
5.844		331971	384366
5.912		1642	1613
5.981		45908	45017
6.037		11561	11828
6.062		258095	238788
6.218		663621	654595
6.263		38753	36203
6.348		1671	1433
6.421		208518	203830
6.569	DCB	5429842	5463380
6.626		4489	3491
6.698		2955	3138
6.842		10872	17292
7.015		4679	5028
7.213		1115	920
7.434		491	395
7.712		1009	1566
7.896		1357	3092
8.073		929	950
8.247		1142	842
8.354		3864	11560
8.518		7558	18019

LANCASTER LABORATORIES

Sample Number: AR1641724B IIAR164II CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 2:19:08 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.081.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.035		4009	5737
2.075		59786	83864
2.125		32289	94296
2.171		8584	12522
2.22		33900	33923
2.271		8395	9303
2.33		11503	20074
2.367		5975	4760
2.399		70436	186769
2.455		34024	97475
2.469		49178	30940
2.532	TCX	23667350	14631270
2.577		182360	128009
2.625		5292	2580
2.705		555713	466309
2.75		314214	162898
2.766		415436	228110
2.817		2146019	1422224
2.866		85632	51786
2.896		2624	1158
2.928		302246	205385
2.977		5830	2903
3.001		33664	25600
3.025		1517697	757885
3.035		483035	184100
3.075		359851	224621
3.096		182403	104039
3.122		231753	128823
3.145		2663511	1810118
3.183		127695	76542
3.21		96415	48357
3.229		679724	361612
3.244		405972	196888
3.295		885594	506122
3.303		2579961	1132423
3.324		88127	35604
3.337		2602064	1820146
3.41		2894672	1880415
3.448		1947028	1275048
3.47		2109509	1190582
3.488		686375	348388
3.573		2429465	1630092
3.595		927059	521347
3.616		947202	567850
3.645		649680	344793
3.661		2150987	1277287
3.701		848302	594724
3.747		107051	86280
3.767		602428	337468
3.789		2570432	1731909
3.813		619369	364241
3.832		97969	47197
3.853		370661	243119
3.887		2184494	1543134

RT B	Compound B	Height B	Area B
3.919		130364	71826
3.933		158848	92860
3.98		8371	4894
3.993		16232	8316
4.024		154959	134817
4.056		24070	37820
4.081		671222	483475
4.122		684169	412733
4.14		596726	284429
4.153		1526275	878170
4.178		949045	959193
4.229		4952883	3795739
4.278		72009	51523
4.297		367858	228084
4.321		1120801	893312
4.363		5705556	4525998
4.462		4339072	4630432
4.513		680013	552680
4.552		1392294	1282947
4.586		5172685	4400101
4.618		2949994	2152839
4.656		2221225	1779331
4.752		721149	535363
4.77		85018	44235
4.802		3793522	3036363
4.824		439250	275005
4.874		1864970	1716875
4.909		1118030	892910
4.94		870123	689589
4.971		380234	240236
4.994		8755103	7457838
5.036		210547	158398
5.065		337686	287806
5.099		71016	79768
5.187		107783	71781
5.21		1924637	1665816
5.254		5562224	6653815
5.373		7174	4922
5.41		217853	209286
5.458		181854	133720
5.479		124217	89466
5.528		1131636	1058705
5.638		2517437	2202908
5.67		167925	131391
5.731		8975	8367
5.754		4129	3267
5.839		876459	776515
5.997	DCB	20459340	18209610
6.172		15749	18973
6.22		5178	13029
6.324		5772	7120
6.455		18634	16265
6.485		30111	30270
6.627		6519	7324
6.677		3467	3421
6.972		1703	2225
7.113		2398	1733
7.284		2716	3608
7.394		2167	1284
7.473		5708	22072
7.756		2784	7859
7.833		19430	37281
7.938		2837	2262
8.015		11274	19397
8.147		3061	2315
8.263		2195	2565

RT B	Compound B	Height B	Area B
8.353		3811	6965
8.439		2385	1550
8.469		2278	2502
8.533		2529	3310
8.554		2869	2380
8.621		1957	1627

AR1641724B IIAR164II CCAL 1727699999 10736 SW-846 8082

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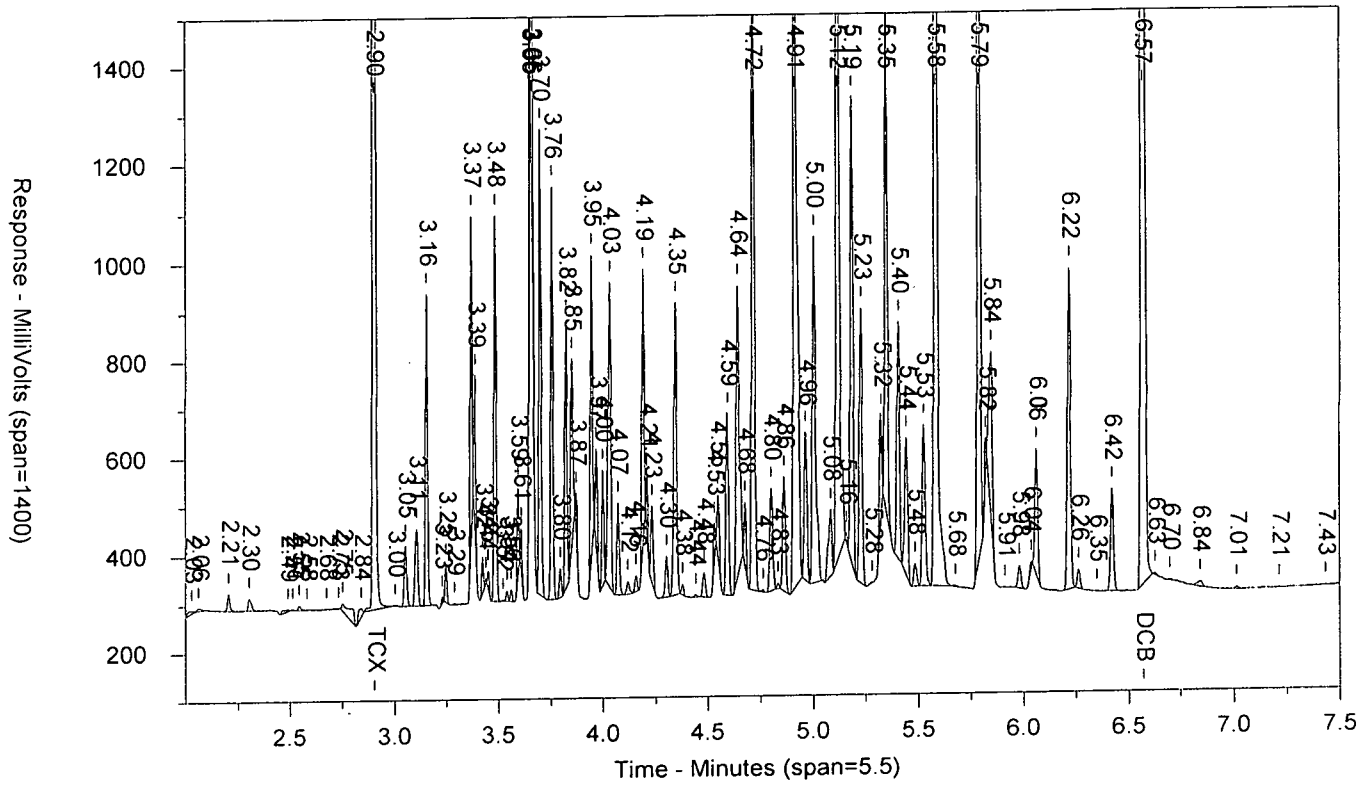

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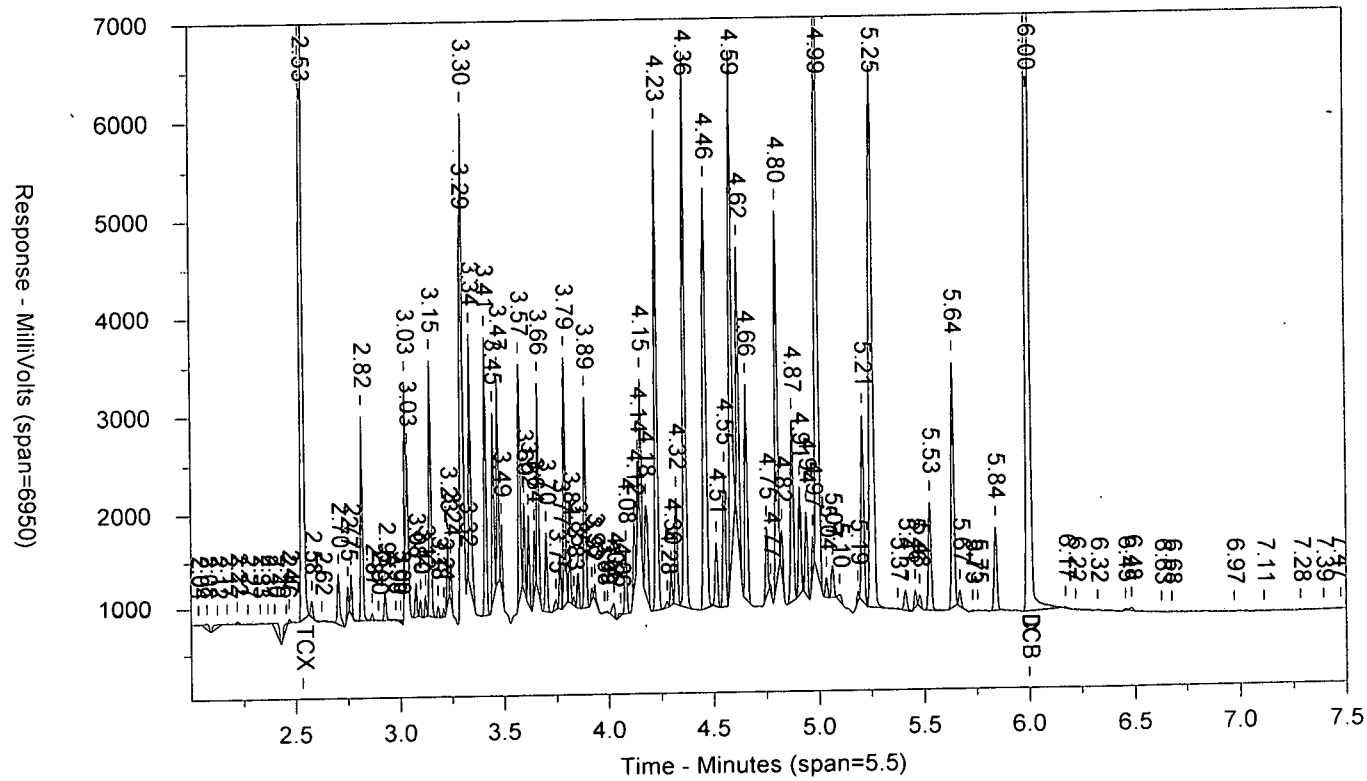

LANCASTER LABORATORIES

Sample Number: AR1641724B IIAR164II CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 2:19:08 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	8146666	42.689	TCX	2.532	23667350	35.188	TCX
6.569	5429842	42.375	DCB	5.997	20459340	43.476	DCB

Files:
Area File: 20PCBs17275004.081.RAW
Area File: 20PCBs17275004B.081.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 2:27:48 PM
File Reported On: 10/5/2017 at 2:28:04 PM

AR1641724B IIAR164II CCAL 1727699999 10736 SW-846 8082

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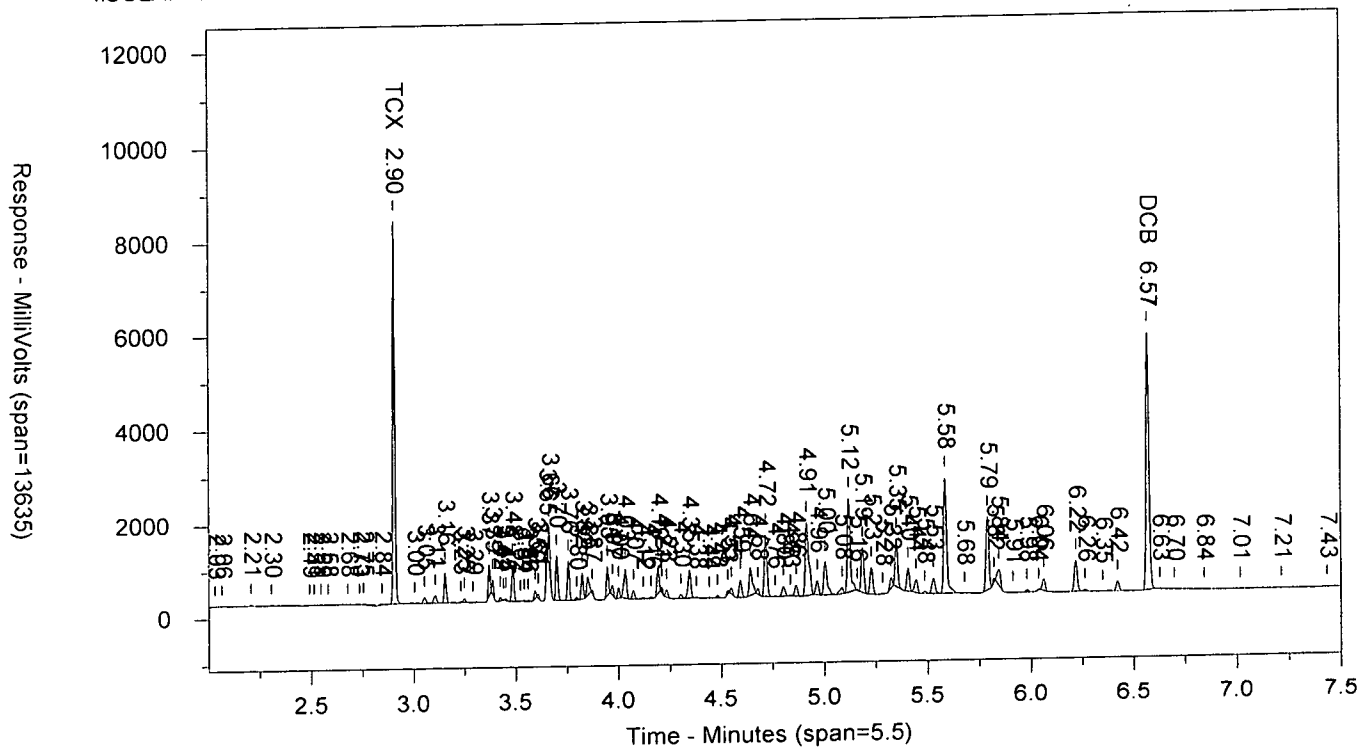

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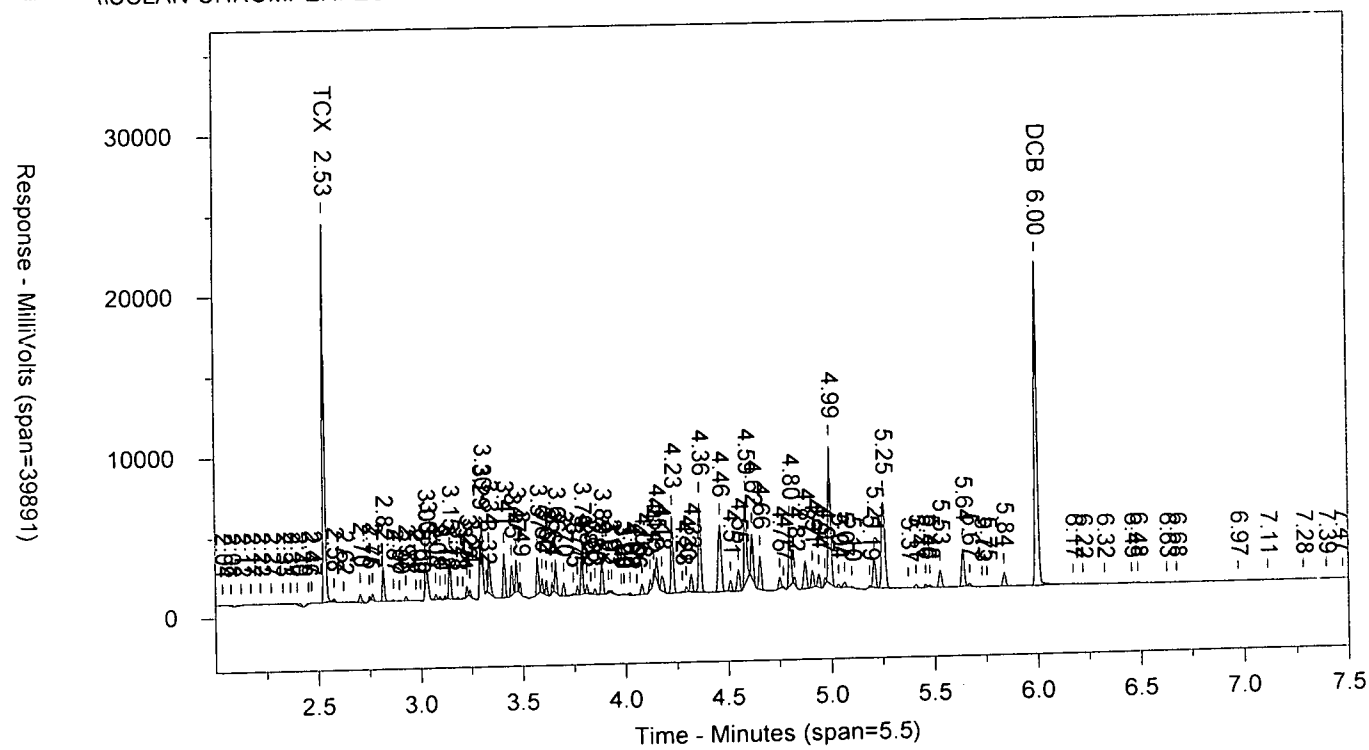

AR1641724B IIAR164II CCAL 1727699999 10736 SW-846 8082

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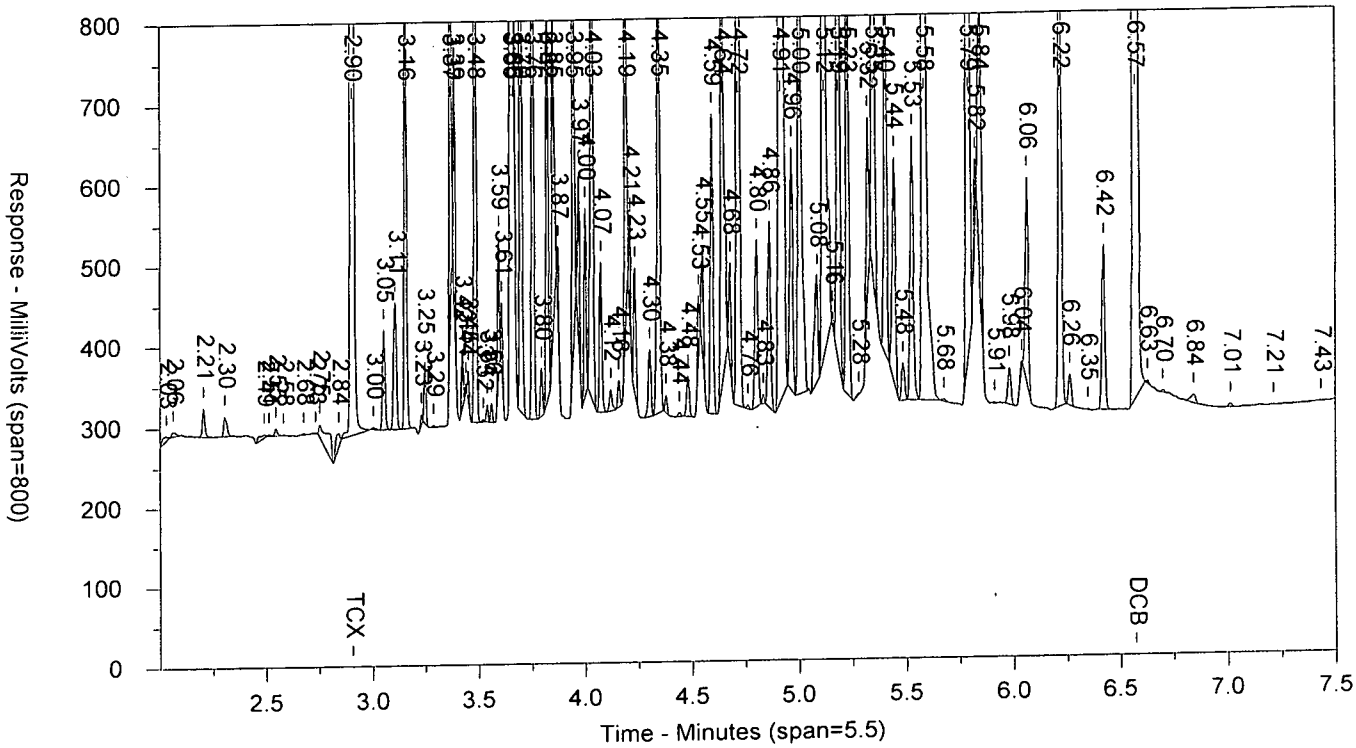

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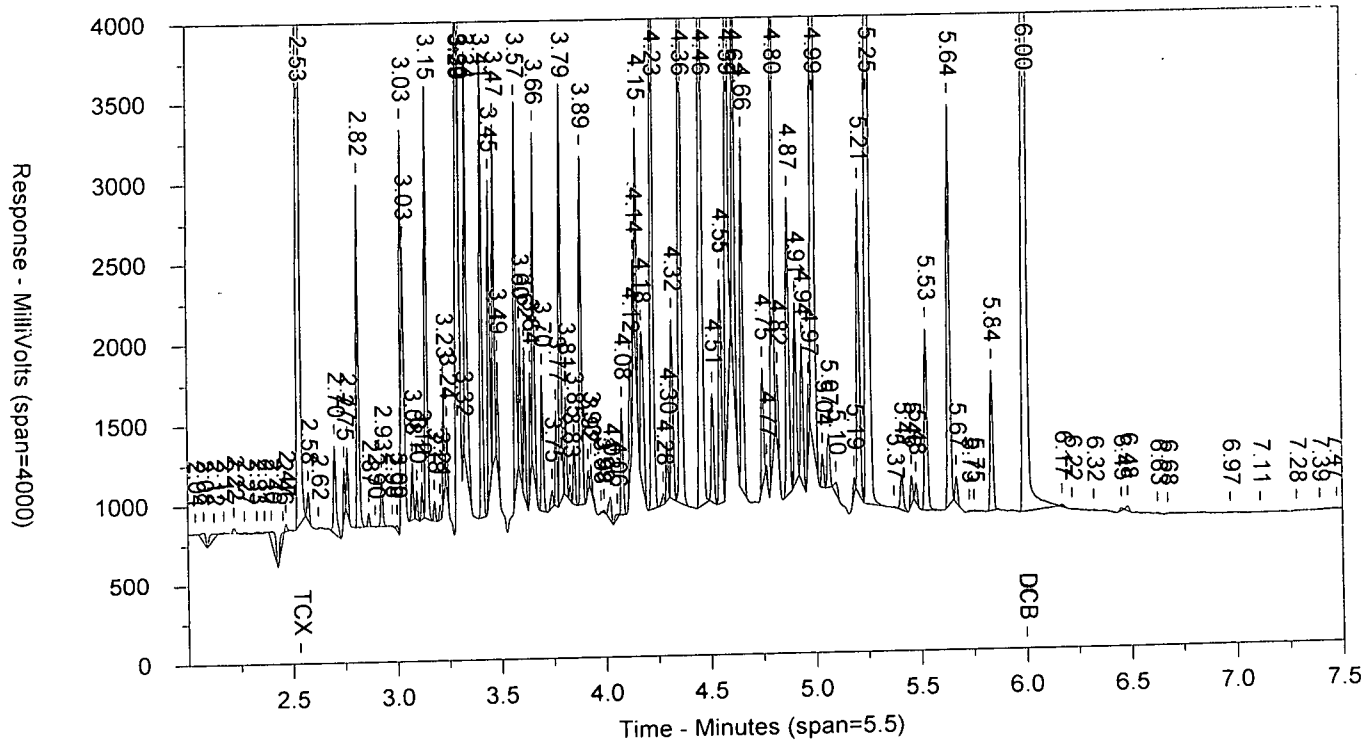

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NBPIBLKNB PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 2:30:26 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.082.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.027		1795	3585
2.064		4010	5993
2.158		1491	2450
2.206		18189	15638
2.304		20813	18794
2.465		2319	2228
2.512		1339	927
2.585		1138	1307
2.753		11866	71513
2.843		11610	25475
2.904	TCX	3968454	2602574
3.005		1456	1565
3.064		1126	1516
3.1		48511	32984
3.171		1055	1222
3.23		9892	8811
3.351		1405	1953
3.479		1034	665
3.539		9483	6393
3.569		2479	2798
3.628		9551	13224
3.697		3092	4233
3.752		2865	5049
3.803		904	672
3.822		1491	803
3.895		1667	2438
3.944		3316	4464
4.009		827	1767
4.135		5919	7431
4.172		6469	8870
4.206		6305	4408
4.232		5454	6317
4.292		2354	4218
4.338		2784	3806
4.399		1982	4049
4.448		1396	1293
4.524		2123	1730
4.555		2176	1874
4.589		3617	4207
4.648		1749	2495
4.676		1686	1281
4.711		2838	3292
4.802		3835	4251
4.916		3346	4816
4.994		2797	2600
5.062		789	379
5.118		4484	4272
5.294		2621	3824
5.34		1787	585
5.381		54180	87436
5.557		883	920
5.587		1202	677
5.606		2693	2507
5.688		10119	9544

RT A	Compound A	Height A	Area A
5.749		897	784
5.787		2154	2051
5.904		829	411
5.98		10868	11017
6.042		9346	12331
6.104		12568	35472
6.18		14311	49308
6.213		3015	3415
6.264		2075	2417
6.31		829	973
6.42		18398	16885
6.446		3888	2841
6.569	DCB	2703455	2640569
6.698		911	485
6.841		10728	18742
7.012		3306	3113
7.07		1435	4010
7.156		757	1312
7.31		1235	1898
7.36		939	1079
7.498		2053	4289
7.767		973	8855
7.892		2282	7651
8.364		2798	4509
8.52		6761	15295

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NBPIBLKNB PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 2:30:26 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.082.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.022		4033	2171
2.077		23815	27561
2.127		12065	38805
2.173		3087	5309
2.216		3621	3384
2.276		4977	6746
2.313		1880	1715
2.332		4828	4824
2.395		72804	245289
2.47		117494	379666
2.532	TCX	11358210	7252146
2.638		5726	8876
2.698		6406	4559
2.75		213706	152188
2.82		5881	9953
2.866		43517	30585
2.912		9894	6842
2.987		21948	40536
3.039		18259	35619
3.064		3895	2866
3.086		1698	569
3.103		8705	9756
3.141		9228	10126
3.18		3788	4273
3.209		44091	25829
3.249		11644	9005
3.272		9696	4355
3.304		15855	23449
3.338		9369	7629
3.376		4562	4945
3.406		7715	6437
3.446		10120	8962
3.469		7260	4894
3.505		27200	50579
3.573		12299	56851
3.594		8104	12385
3.635		14923	11391
3.649		8881	5479
3.675		5385	2815
3.703		6404	4324
3.744		10665	5875
3.759		18288	15544
3.789		35623	29887
3.811		7351	5167
3.83		4431	1646
3.852		43094	35828
3.886		10294	6946
3.916		26495	37627
3.979		21407	18151
4.08		27933	78301
4.139		23487	39455
4.168		6032	4877
4.211		4549	1951
4.227		9021	5993

RT B	Compound B	Height B	Area B
4.255		3650	2624
4.338		15809	33070
4.362		7065	4224
4.382		4632	3419
4.418		8559	9281
4.463		10929	12187
4.506		14592	14644
4.54		20947	41862
4.586		30321	28957
4.618		9311	9940
4.666		8682	12407
4.699		7179	7731
4.739		8615	10969
4.82		10213	11880
4.848		13337	11341
4.904		35405	68671
4.939		9800	8241
4.97		12420	9887
4.998		4398	2757
5.047		10494	8740
5.1		106545	212504
5.197		985	6674
5.226		152354	362600
5.295		110836	259651
5.36		15388	36677
5.409		54388	58776
5.478		40088	39668
5.526		7531	8971
5.605		4216	6682
5.664		6740	9519
5.73		3030	2099
5.756		6469	6922
5.794		4316	3867
5.815		4962	2719
5.838		89038	72807
5.892		2697	1482
5.927		2610	1819
5.997	DCB	9503128	8958115
6.16		25980	127316
6.28		3467	2210
6.329		13817	22054
6.383		12770	26089
6.459		5257	6713
6.483		28917	30424
6.55		2637	3543
6.627		17098	35393
6.682		9167	19627
6.796		12337	34254
6.868		5698	18527
7.001		15404	66527
7.099		9553	27712
7.175		5044	11414
7.21		2610	973
7.292		6875	18121
7.371		2426	5565
7.431		2764	3475
7.519		2729	4339
7.693		1255	21063
7.74		4659	6973
7.832		18663	32177
8.012		15386	30888
8.128		2006	6858
8.23		1180	4955
8.257		2274	948
8.349		4022	6554
8.459		2688	5048

RT B	Compound B	Height B	Area B
8.492		2007	1194
8.572		3097	6117
8.65		1694	865

IBLKX1724B NBPIBLKNB PIBLK1727699999 10736 SW-846 8082

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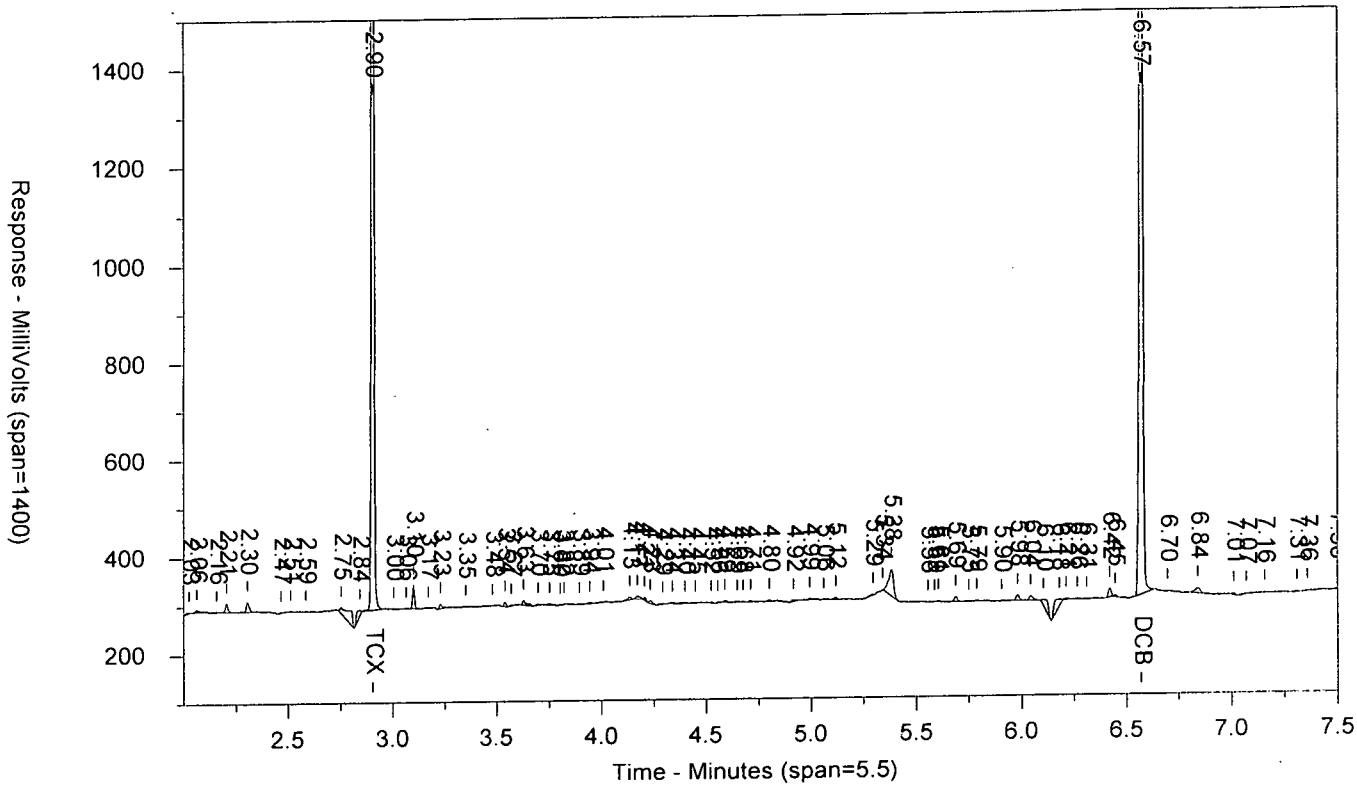

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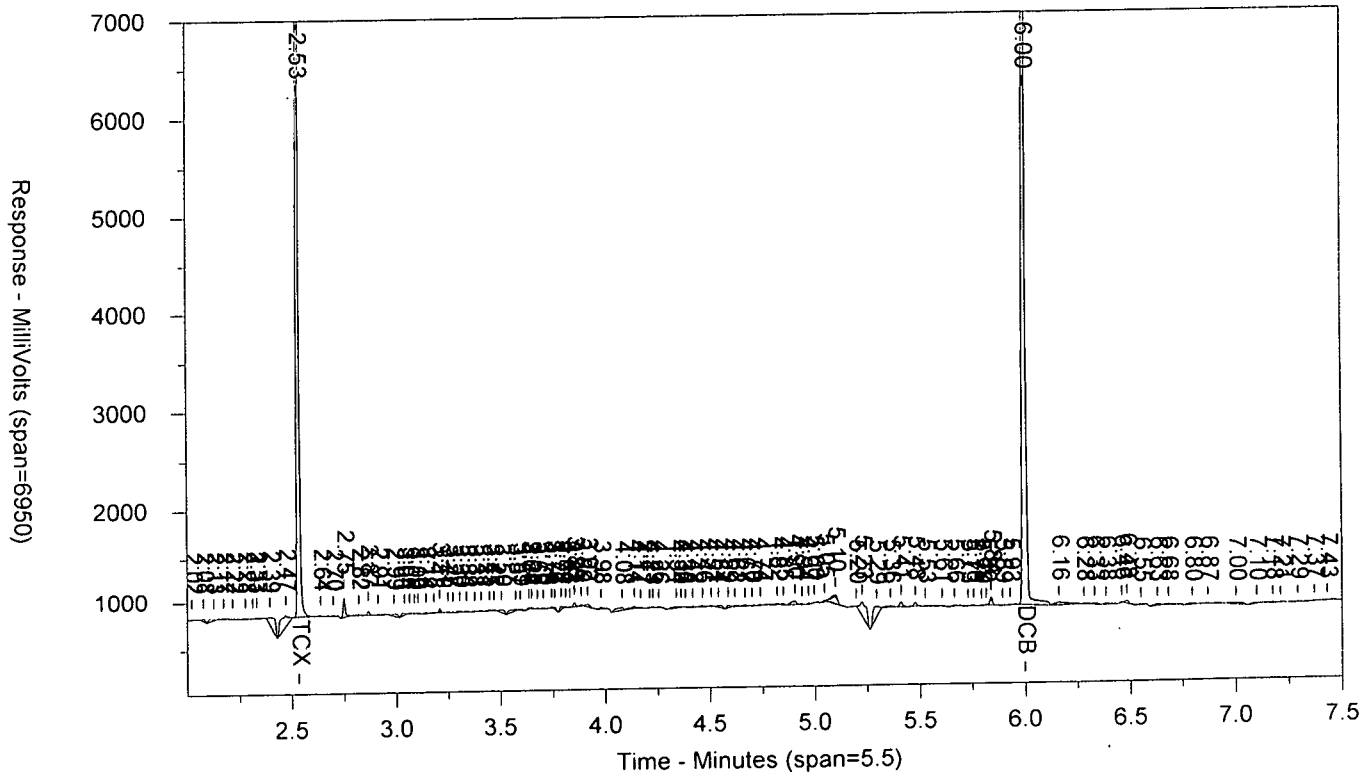

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NBPIBLKNB PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 2:30:26 PM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	3968454	.208	TCX	2.532	11358210	.169	TCX
6.569	2703455	.211	DCB	5.997	9503128	.202	DCB

Files:
Area File: 20PCBs17275004.082.RAW
Area File: 20PCBs17275004B.082.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 2:39:08 PM
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IBLKX1724B NBPIBLKNB PIBLK1727699999 10736 SW-846 8082

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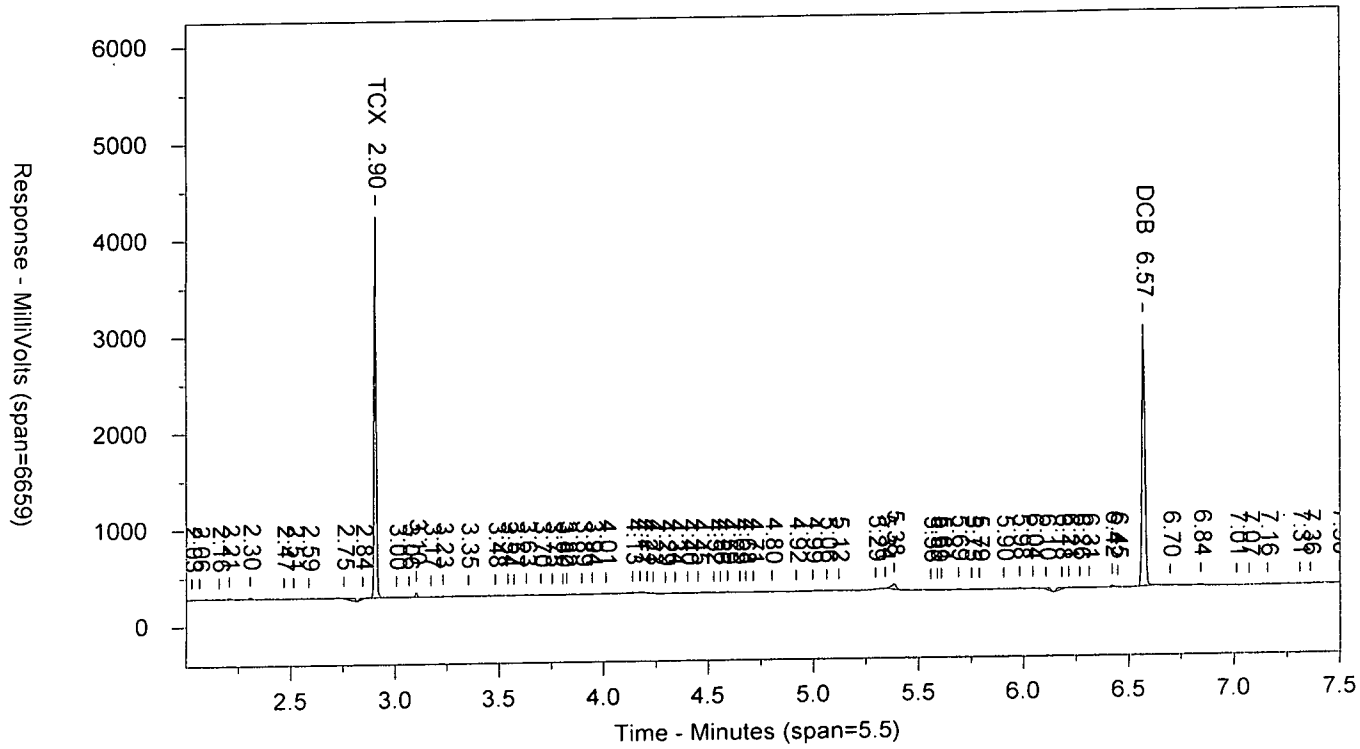

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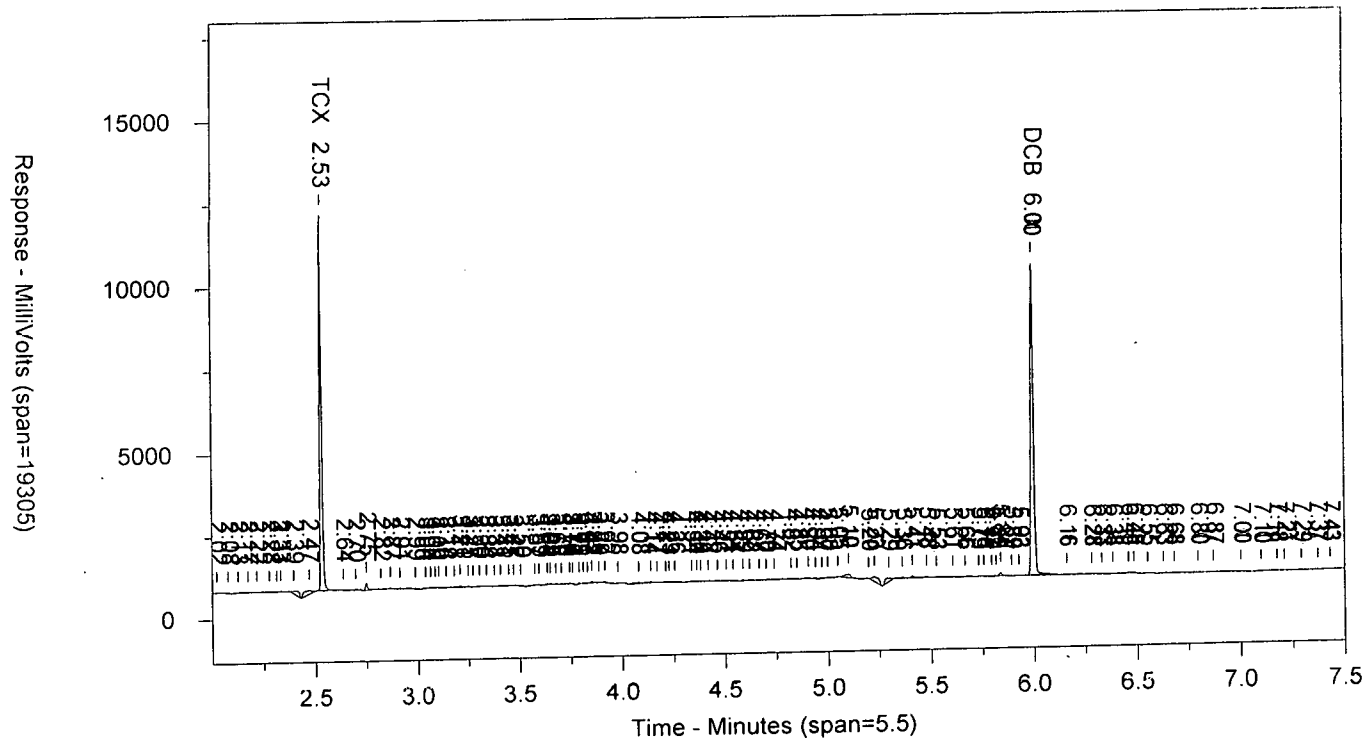

IBLKX1724B NBPIBLKNB PIBLK1727699999 10736 SW-846 8082

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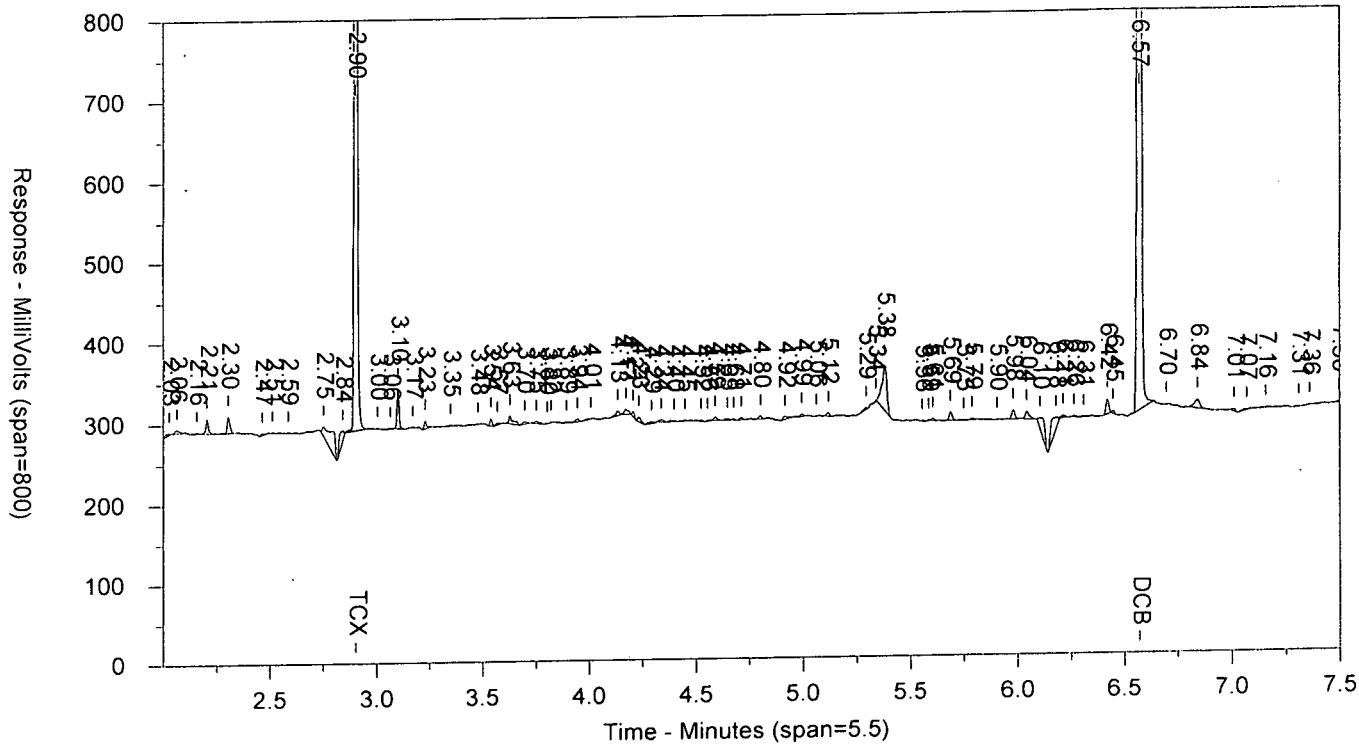

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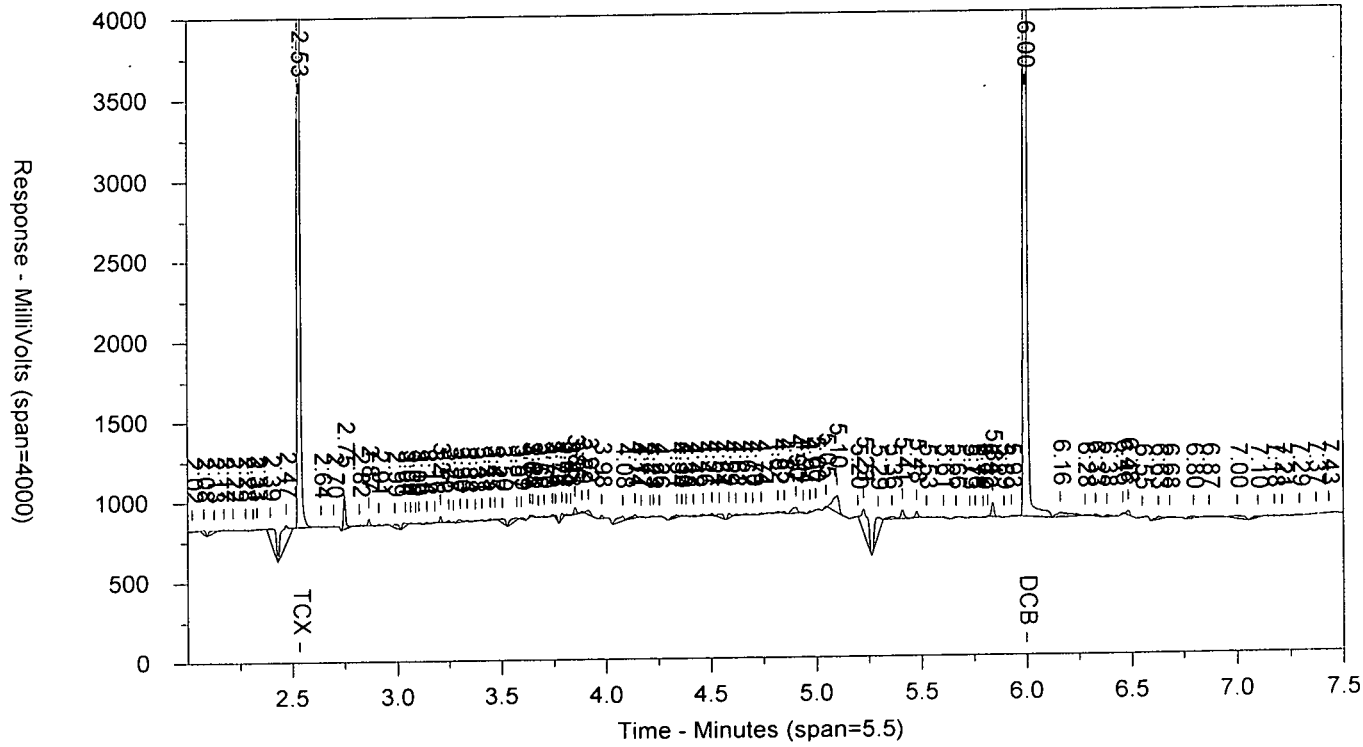

LANCASTER LABORATORIES

Sample Number: AR1641724B IJAR164IJ CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 3:50:32 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.089.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.035		1775	5425
2.06		4554	11972
2.148		1530	2596
2.206		33455	26389
2.305		18205	21362
2.409		1749	3591
2.464		1892	1680
2.514		1608	1035
2.545		9213	8903
2.693		687	2026
2.754		4678	3849
2.84		15821	27262
2.904	TCX	8222238	5382401
3.001		2079	1878
3.053		119398	106142
3.107		152442	148853
3.155		653829	441322
3.23		12315	6307
3.248		74400	48109
3.29		2545	2458
3.333		1322	735
3.37		673125	398529
3.386		305508	160992
3.423		72640	41510
3.439		12256	4458
3.45		36793	18217
3.483		800771	579993
3.52		3454	1654
3.539		18015	10571
3.559		25998	16082
3.593		164076	96554
3.607		78217	37812
3.65		395437	224777
3.661		832616	376585
3.698		929127	680737
3.755		800886	578993
3.795		60838	41429
3.822		536830	395410
3.849		390226	318904
3.871		91200	43730
3.945		622147	425914
3.968		208341	132348
3.999		224492	158345
4.032		616603	581034
4.071		188965	148083
4.118		25921	22727
4.157		33163	24022
4.19		588936	415876
4.209		116288	58567
4.232		160987	117033
4.301		83429	71477
4.344		594755	557330
4.378		20175	14518
4.439		4739	3875

RT A	Compound A	Height A	Area A
4.481		47524	42321
4.531		70035	44282
4.547		144442	99159
4.592		378668	323709
4.64		580416	637829
4.677		128549	89999
4.715		1382279	1202951
4.76		4669	3790
4.802		204396	208115
4.833		12044	7541
4.861		230576	211917
4.913		1539843	1907876
4.963		302244	282816
5.003		717506	782923
5.046		4123	1840
5.083		136692	157361
5.117		1818561	1660239
5.14		68381	34012
5.158		15268	7084
5.184		959623	864967
5.227		584135	537105
5.322		224243	178477
5.347		984859	847162
5.404		505477	444359
5.443		285024	280981
5.486		42236	46542
5.527		330031	345892
5.584		2525875	2637536
5.732		1557	1663
5.789		1656579	1509986
5.82		82925	53655
5.845		335144	366907
5.98		45046	44483
6.061		287180	377692
6.164		2987	3780
6.218		673946	646516
6.263		39695	35532
6.421		197830	202272
6.57	DCB	5505409	5400458
6.628		7075	6507
6.7		3550	3102
6.844		8220	11594
7.016		3852	4602
7.175		770	1510
7.209		1234	1287
7.361		917	2651
7.426		1214	665
7.512		1739	3290
7.747		493	4131
7.898		1183	4377
8.085		804	2152
8.361		3982	18586
8.52		7186	16040
8.656		1121	575

LANCASTER LABORATORIES

Sample Number: AR1641724B IJAR164IJ CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 3:50:32 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.089.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.031		3015	3692
2.079		23270	26439
2.11		13520	17493
2.159		6224	11169
2.22		33103	31361
2.33		4019	2398
2.395		100862	323193
2.47		71380	251855
2.532	TCX	23548250	14433260
2.577		180682	125425
2.624		6053	4197
2.678		2156	1376
2.705		526013	408713
2.75		298558	153346
2.766		420970	225954
2.817		2135381	1408010
2.866		83883	52151
2.928		308364	210727
3.002		11802	6966
3.024		1595678	816349
3.035		553406	206452
3.075		354654	222580
3.096		184630	106175
3.121		233086	127274
3.145		2646794	1799641
3.183		126783	76671
3.209		89945	44062
3.229		678694	363911
3.244		383730	191157
3.294		897107	472916
3.303		2389675	1109319
3.324		86378	32001
3.337		2603282	1811278
3.41		2918578	1865330
3.447		1994063	1275148
3.469		2087419	1197046
3.487		705342	356257
3.572		2491521	1620392
3.594		943683	517623
3.615		939108	560688
3.643		680094	348661
3.66		2170226	1272832
3.7		840580	596821
3.747		115572	91619
3.767		601616	344190
3.788		2716000	1770247
3.812		609546	361954
3.831		95564	47327
3.852		375678	242416
3.886		2209941	1534016
3.918		124513	68703
3.932		153697	92487
3.991		25951	28803
4.024		161927	143411

RT B	Compound B	Height B	Area B
4.048		10731	8155
4.08		666339	481985
4.12		692194	429226
4.139		617077	320597
4.153		1589844	902118
4.177		959968	959600
4.227		4942618	3791419
4.276		65353	43066
4.296		460160	297352
4.32		1132725	867758
4.362		5704429	4526902
4.461		4244499	4621125
4.511		673294	553535
4.55		1404570	1247224
4.585		5386924	4767649
4.617		3072645	2188047
4.655		2189757	1773065
4.751		716085	533224
4.77		92984	50875
4.801		3750629	3027160
4.823		466929	277121
4.873		2049292	1864634
4.908		1095320	895002
4.939		872883	690666
4.97		399197	250569
4.993		8957376	7445144
5.035		202987	158240
5.064		352138	284805
5.101		57945	65959
5.186		108214	71314
5.209		1915988	1656900
5.253		5460662	6447528
5.373		6944	4459
5.409		207296	195630
5.456		190900	137999
5.478		132923	92028
5.527		1157512	1051883
5.637		2491438	2182335
5.669		170245	129874
5.727		4417	4066
5.789		5454	4287
5.838		858562	789052
5.961		2871	1733
5.997	DCB	19858960	17908660
6.169		10361	13965
6.455		17052	13756
6.485		28345	27702
6.684		2498	1871
7.067		1937	1065
7.284		2895	4780
7.429		3214	3674
7.579		2421	2199
7.691		2004	3717
7.753		2205	2008
7.834		16619	36415
8.011		11431	21709
8.248		2104	4236
8.349		5843	17074
8.472		1393	1010
8.569		4031	6213
8.676		2858	1895

AR1641724B IJAR164IJ CCAL 1727699999 10736 SW-846 8082

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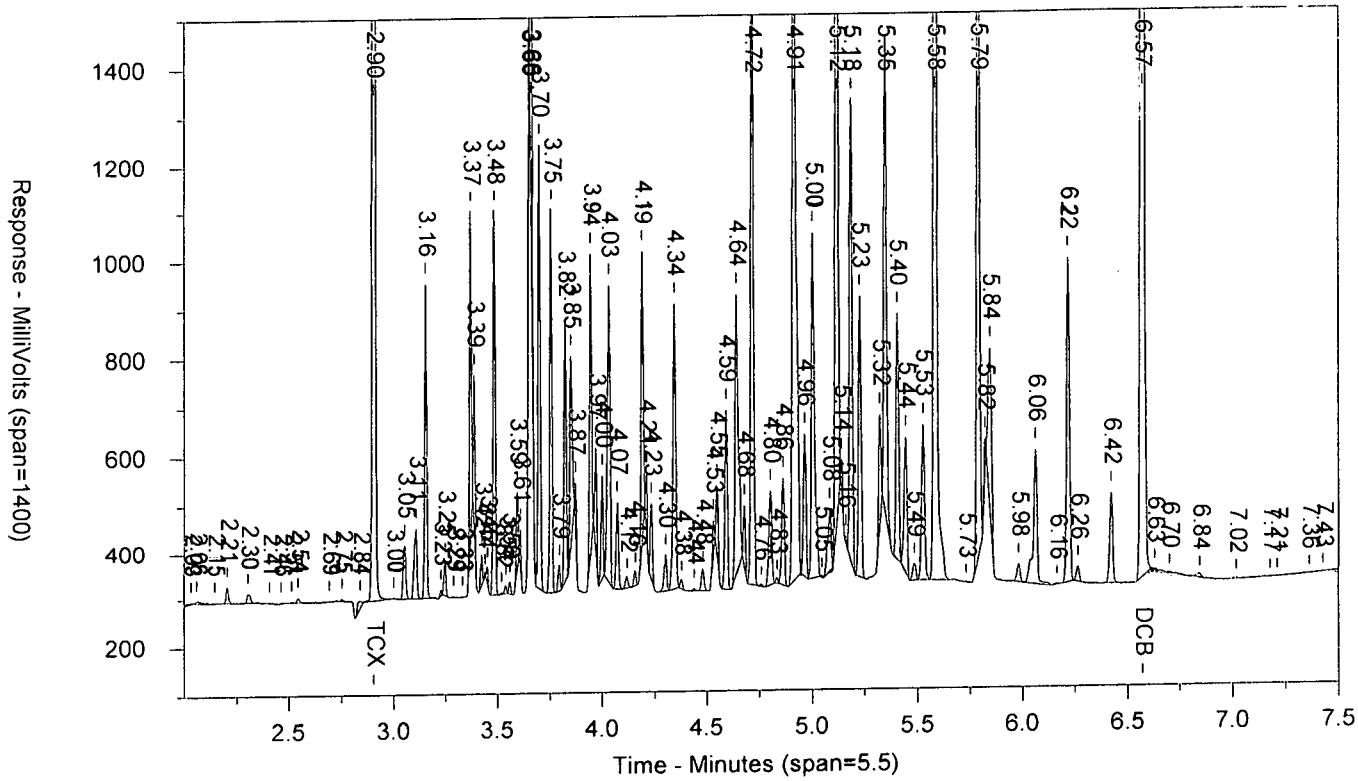

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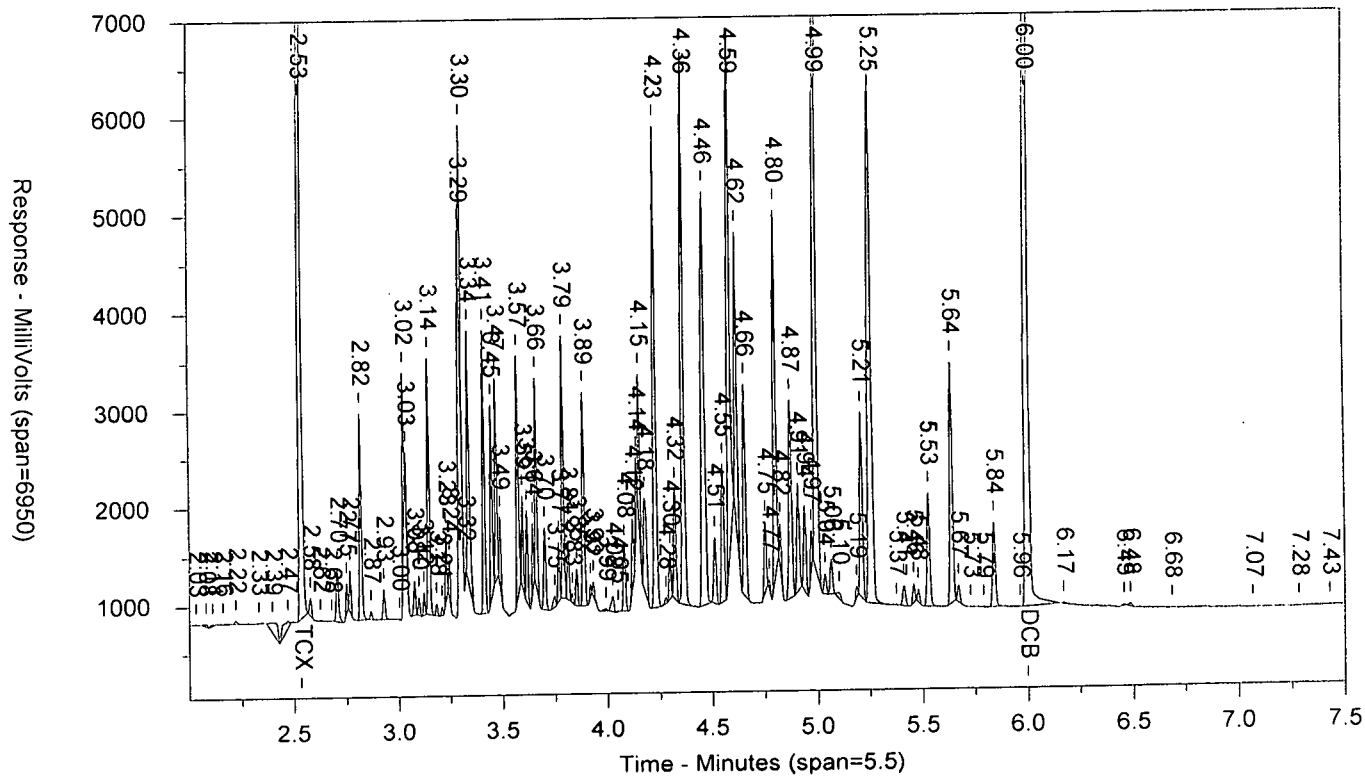

LANCASTER LABORATORIES

Sample Number: AR1641724B IJAR164IJ CCAL 1727699999 10736 SW-846 8082
Injected On: 10/5/2017 3:50:32 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	8222238	43.085	TCX	2.532	23548250	35.011	TCX
6.57	5505409	42.965	DCB	5.997	19858960	42.2	DCB

Files:
Area File: 20PCBs17275004.089.RAW
Area File: 20PCBs17275004B.089.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 3:59:15 PM
File Reported On: 10/5/2017 at 3:59:29 PM

AR1641724B IJAR164IJ CCAL 1727699999 10736 SW-846 8082

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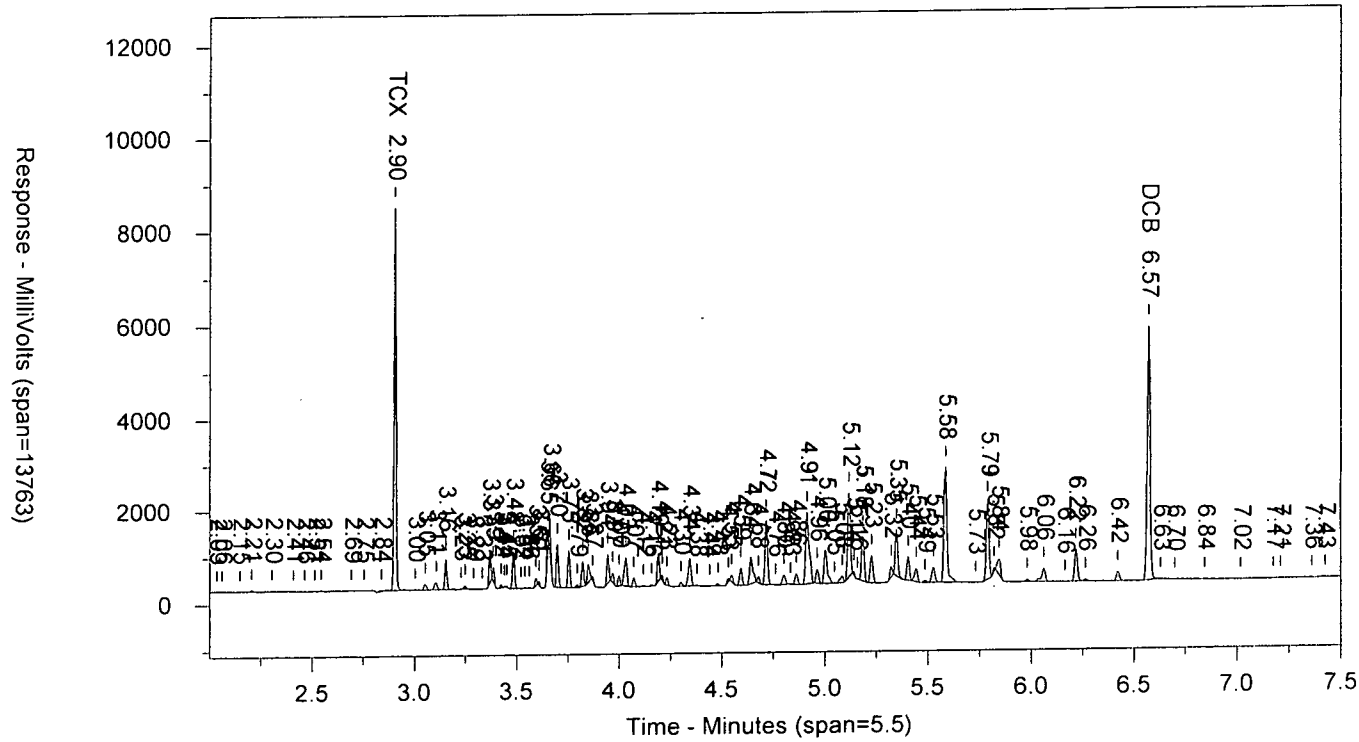

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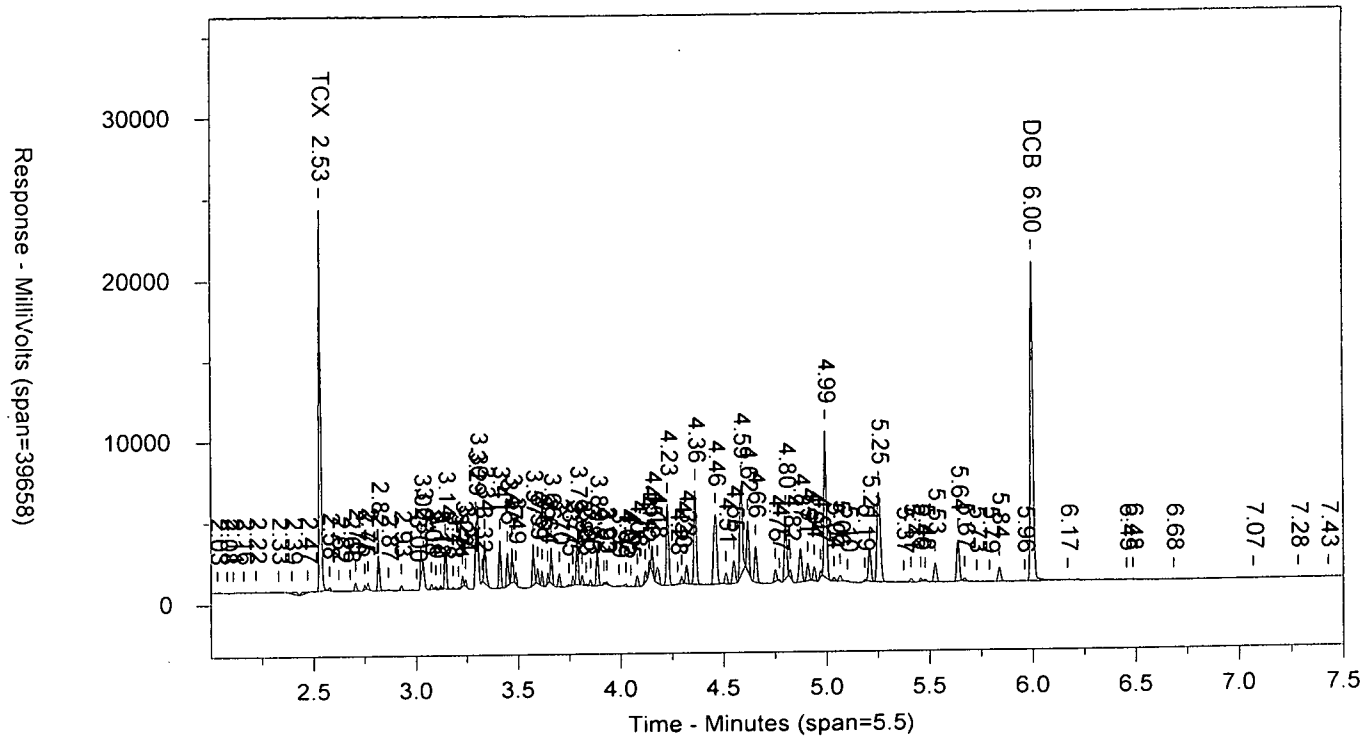

AR1641724B IJAR164IJ CCAL 1727699999 10736 SW-846 8082

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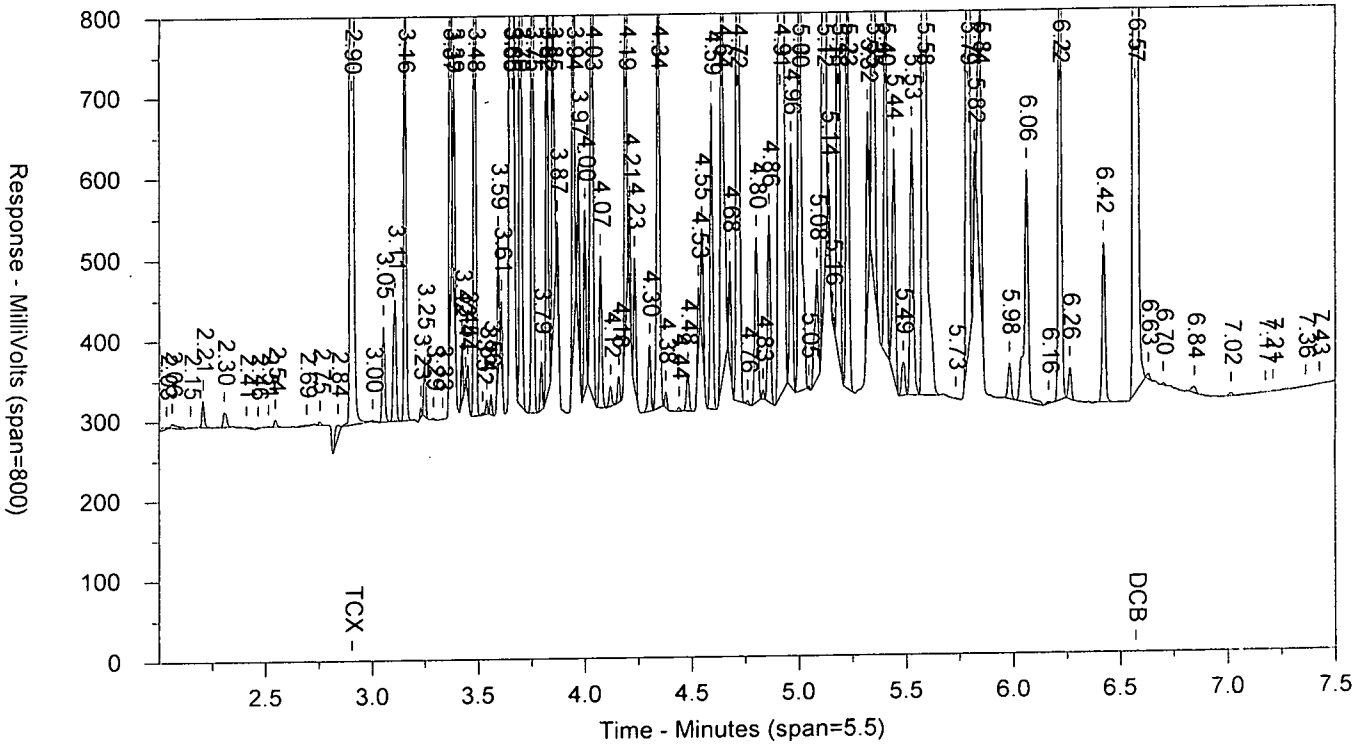

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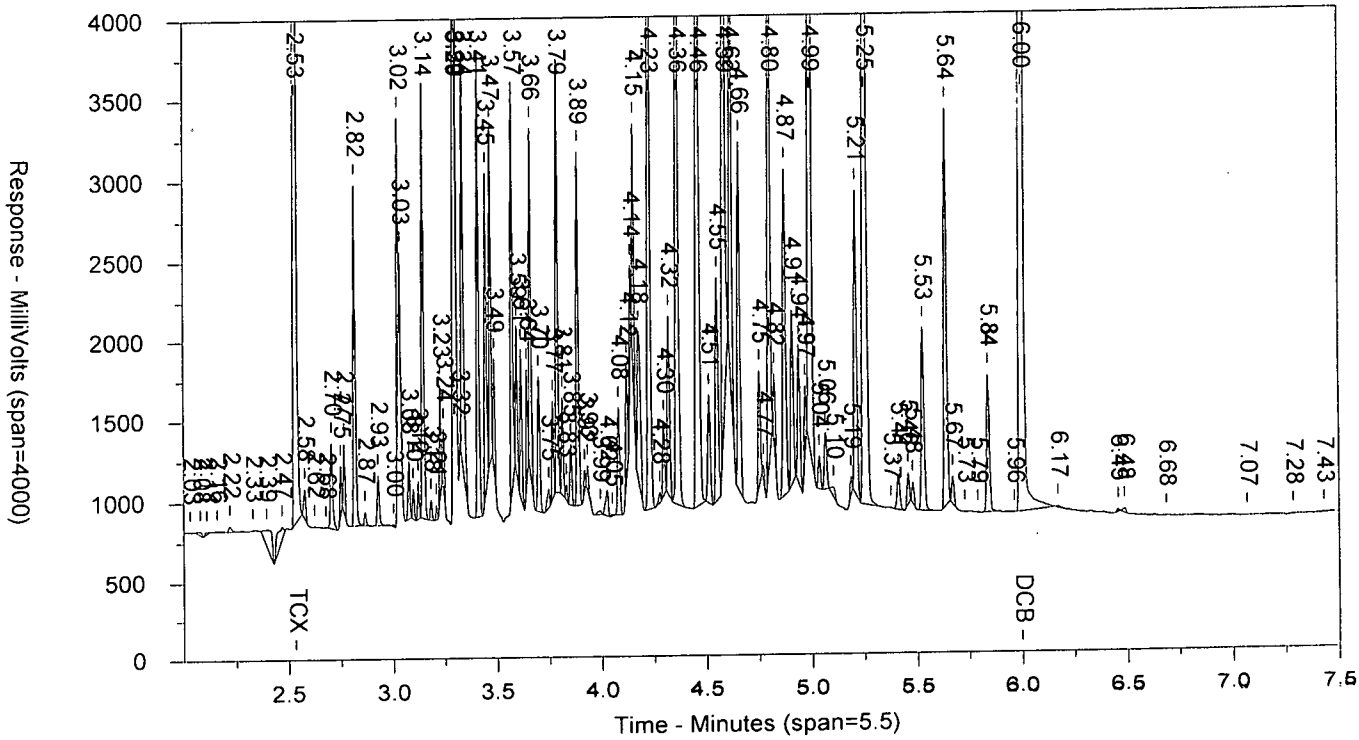


LANCASTER LABORATORIES

Sample Number: IBLKX1724B NCPIBLKNC PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 4:02:07 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.090.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.026		3065	5526
2.065		5980	8194
2.206		18813	15624
2.305		20067	18692
2.4		2081	6542
2.467		2459	2482
2.492		2430	1853
2.512		1878	1519
2.583		1656	1497
2.676		2491	4142
2.724		1587	2234
2.754		20317	40984
2.842		6919	11963
2.904	TCX	3992524	2660960
3.005		1871	2138
3.1		48594	33698
3.171		3101	9348
3.231		11339	13371
3.325		1284	1393
3.371		1297	1287
3.474		1873	3048
3.54		11993	8548
3.587		1540	3907
3.63		2080	1280
3.646		2376	2366
3.719		918	467
3.755		2416	4941
3.823		2948	3262
3.85		1725	1820
3.9		1050	1374
3.947		2507	2837
4.063		775	591
4.135		4682	6293
4.191		5825	6162
4.238		4429	4705
4.279		1934	1432
4.299		1184	908
4.344		6075	6882
4.378		2819	2491
4.485		2217	2843
4.532		3821	2758
4.562		2001	1778
4.594		8601	8418
4.641		2618	3622
4.682		2035	1802
4.714		4464	4431
4.804		5787	5145
4.915		6163	8884
4.998		4400	5320
5.036		1658	1459
5.078		2877	2603
5.119		8109	7481
5.237		940	1140
5.296		2064	4451

RT A	Compound A	Height A	Area A
5.326		3943	3529
5.382		45210	85721
5.53		1490	1549
5.59		1320	827
5.612		2246	2236
5.691		8556	8480
5.792		3098	3776
5.919		1039	1086
5.983		11627	11591
6.048		9822	11458
6.19		1689	6026
6.218		2600	3281
6.269		1473	1091
6.303		1762	2065
6.422		20869	19019
6.452		2781	2174
6.573	DCB	2655595	2707911
6.691		1703	1420
6.844		9238	15656
7.017		2094	2506
7.171		1177	2754
7.267		1011	890
7.524		1083	3765
7.612		777	2001
7.654		915	399
7.758		1044	508
7.796		964	312
7.907		985	4060
8.072		1267	760
8.244		779	4199
8.283		919	957
8.363		3427	6881
8.522		7091	16519
8.677		6203	9500

LANCASTER LABORATORIES

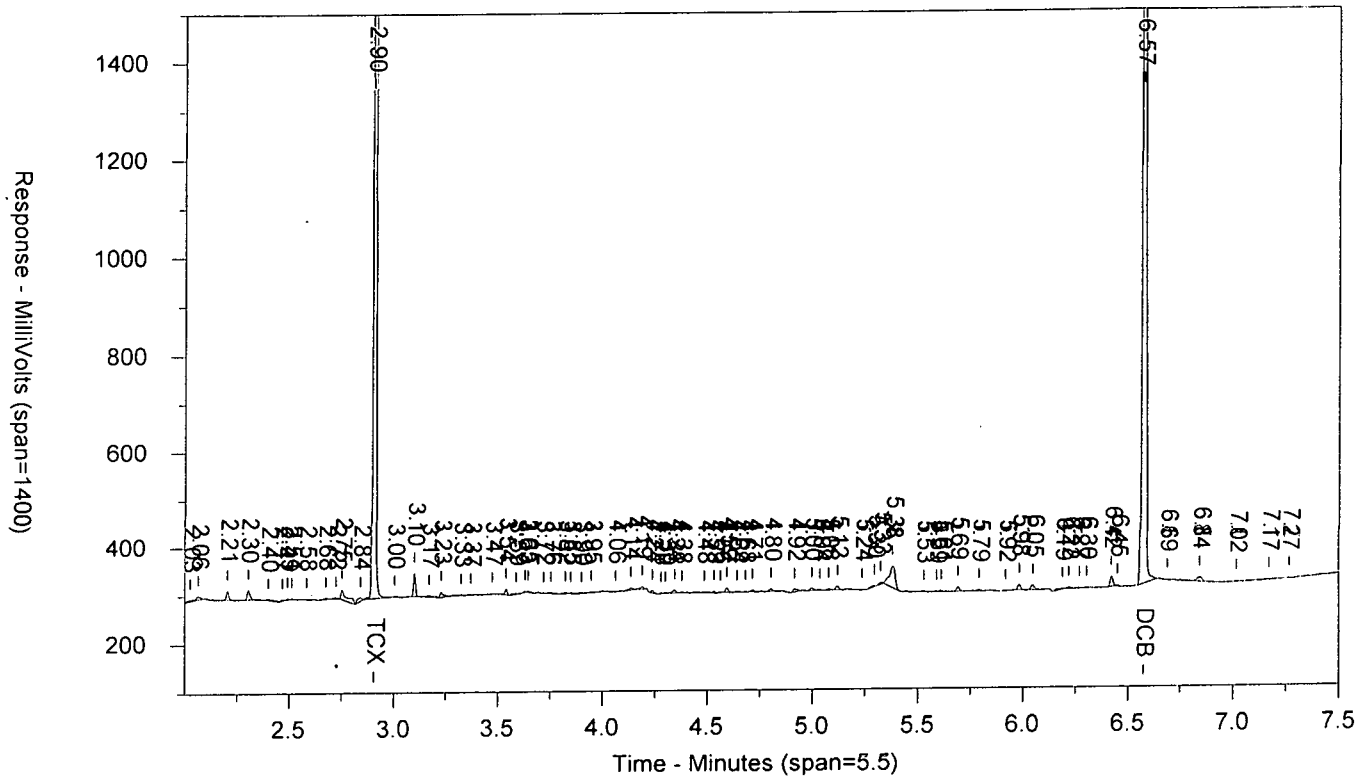
Sample Number: IBLKX1724B NCPIBLKNC PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 4:02:07 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.090.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.025		3391	3171
2.075		28737	36040
2.129		15727	50346
2.169		8061	11615
2.27		10123	10239
2.33		5098	4179
2.364		6566	4658
2.4		34592	82660
2.454		17264	45189
2.469		83289	67334
2.532	TCX	11452110	7353408
2.625		2881	976
2.64		5308	4740
2.697		7217	5583
2.721		13133	7918
2.75		222743	159416
2.816		8188	7714
2.865		42869	24823
2.897		6554	6989
2.956		4486	6389
2.982		15992	43945
3.031		6798	11402
3.06		6850	7122
3.107		6218	4728
3.143		9390	8238
3.173		724	613
3.185		1821	732
3.209		49909	31491
3.248		29348	40232
3.304		23891	42031
3.34		6194	5958
3.373		6603	6012
3.411		8863	8183
3.447		15503	10536
3.47		12796	8767
3.488		6099	3369
3.509		16394	25645
3.573		16454	65399
3.594		5380	3799
3.647		3804	3299
3.661		7903	9566
3.705		8990	9760
3.736		3506	2350
3.758		32632	41326
3.79		52951	38716
3.813		11926	8464
3.853		46894	37844
3.887		24790	18081
3.917		30252	36155
3.981		19492	18381
4.082		32998	85349
4.14		43257	48439
4.173		7483	6816
4.229		25482	23080

RT B	Compound B	Height B	Area B
4.263		14171	26397
4.322		6636	7158
4.335		3758	2685
4.364		21492	14486
4.42		6479	5853
4.462		17797	21092
4.507		17456	17126
4.54		20745	44976
4.588		43510	43516
4.622		7724	8139
4.659		5455	8920
4.712		4141	4403
4.738		7685	7754
4.805		5047	3456
4.824		10417	7075
4.849		16351	12553
4.908		31815	69524
4.971		10501	7285
4.997		6032	3748
5.046		12929	10107
5.102		91339	195793
5.204		1430	9835
5.227		41846	34246
5.249		15144	13620
5.294		21017	44351
5.367		5229	8308
5.41		57575	57342
5.48		47760	52822
5.53		6360	7641
5.61		3033	2997
5.638		3870	2550
5.727		5020	3625
5.756		4226	4868
5.817		3440	2031
5.839		102305	86554
5.891		4260	3638
5.936		1911	1548
5.998	DCB	9828412	8889960
6.239		3290	3907
6.325		5872	6632
6.381		6308	9998
6.457		9169	7666
6.486		25407	28582
6.628		5392	7731
6.684		4930	11435
7.085		2271	2304
7.44		2271	5667
7.472		3929	6095
7.583		2324	3496
7.702		2199	3901
7.734		2331	1362
7.833		17136	29228
8.011		12165	25174
8.141		991	3143
8.216		1140	2357
8.275		2344	965
8.348		6339	13006
8.497		2812	2006
8.559		1964	3068
8.668		7492	17134

IBLKX1724B NCPIBLKNC PIBLK1727699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBs17275004.090.RAW



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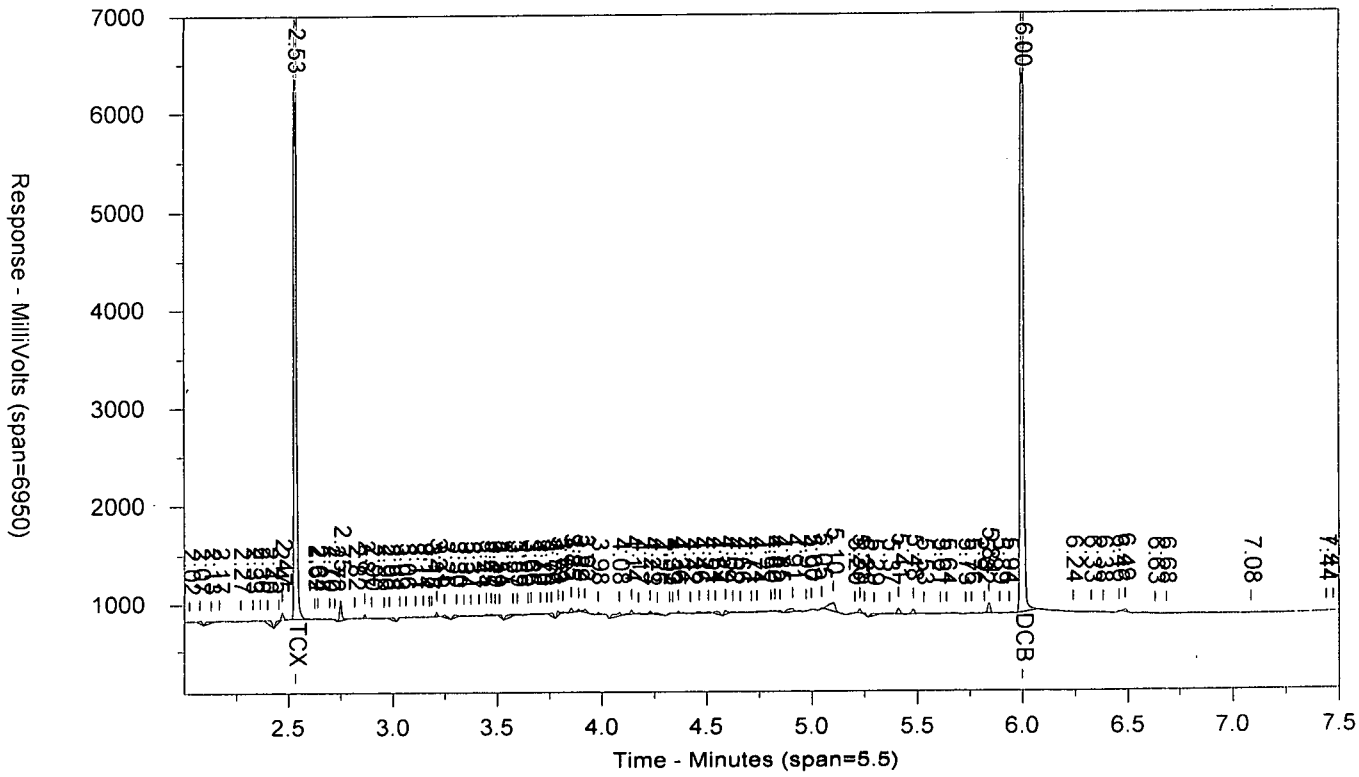

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NCPIBLKNC PIBLK1727699999 10736 SW-846 8082
Injected On: 10/5/2017 4:02:07 PM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	3992524	.209	TCX	2.532	11452110	.17	TCX
6.573	2655595	.207	DCB	5.998	9828412	.209	DCB

Files:
Area File: 20PCBs17275004.090.RAW
Area File: 20PCBs17275004B.090.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 4:10:50 PM
File Reported On: 10/5/2017 at 4:11:05 PM

IBLKX1724B NCPIBLKNC PIBLK1727699999 10736 SW-846 8082

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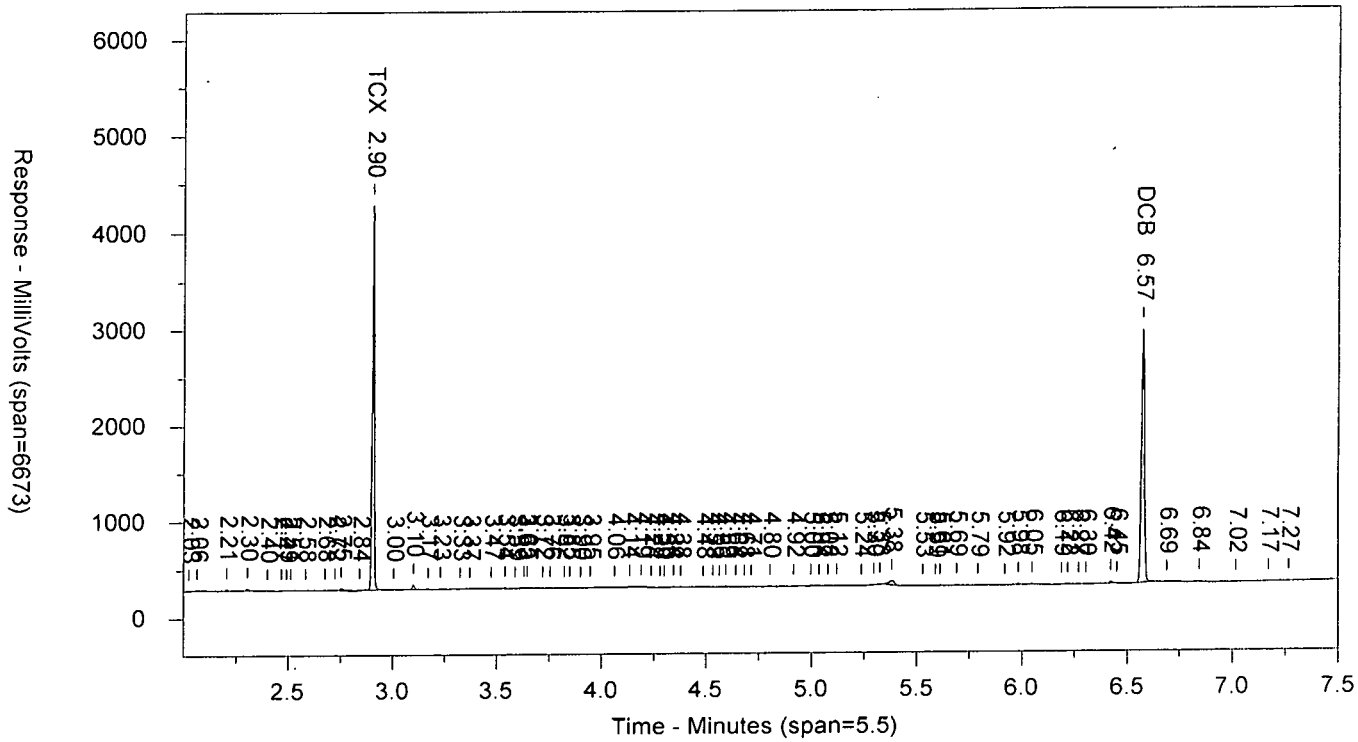

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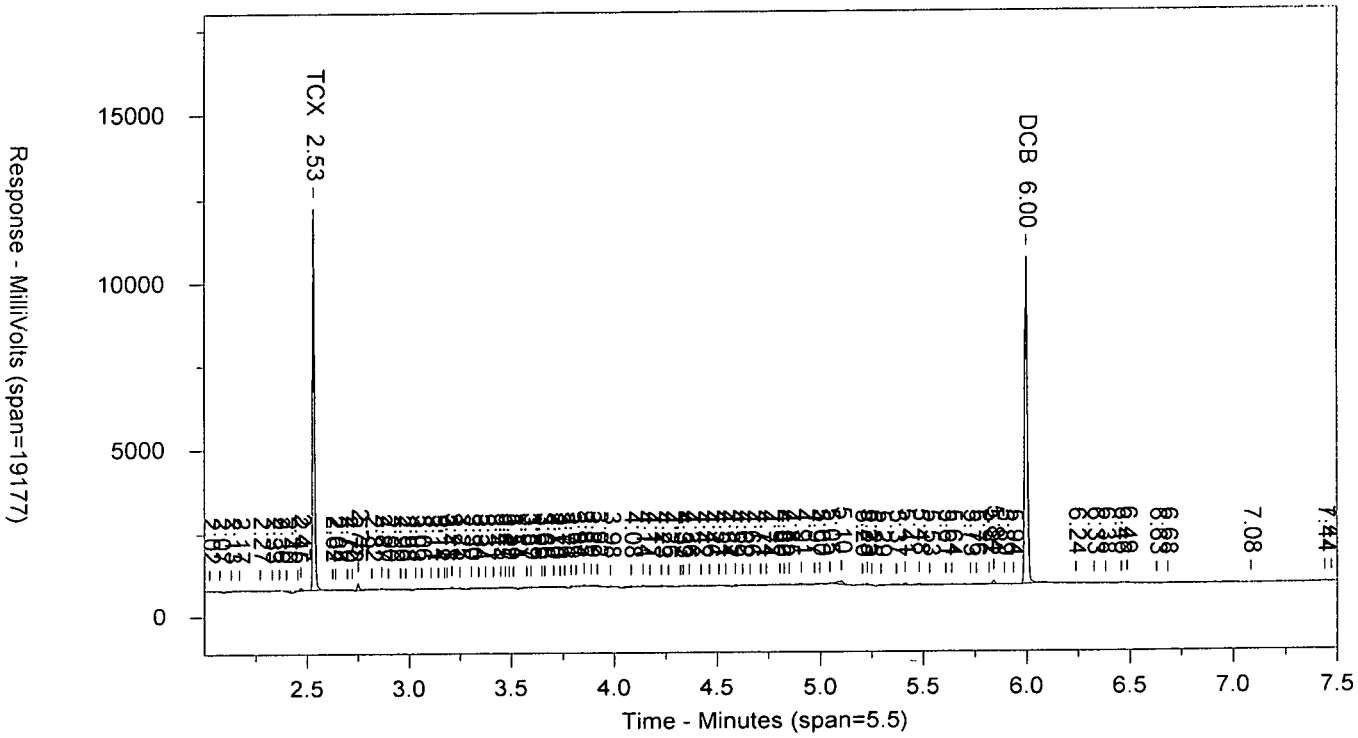

IBLKX1724B NCPIBLKNC PIBLK1727699999 10736 SW-846 8082

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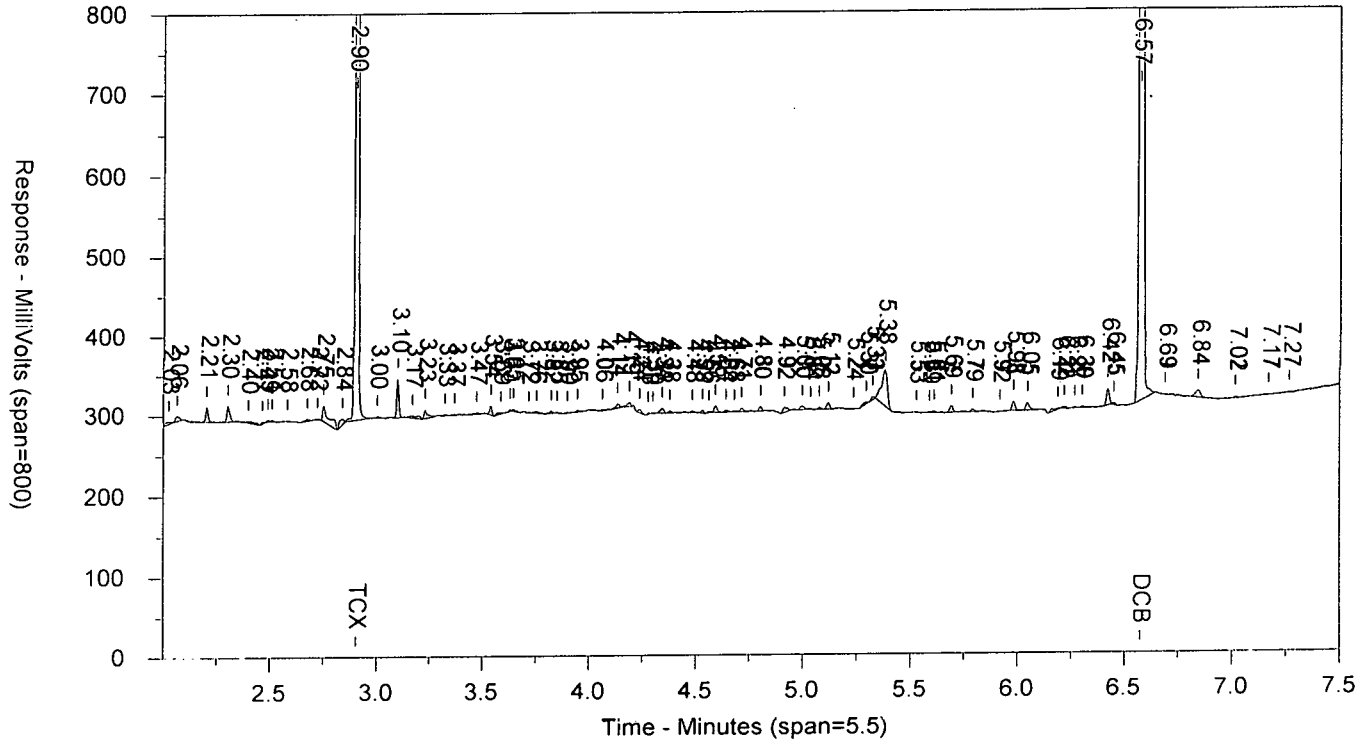

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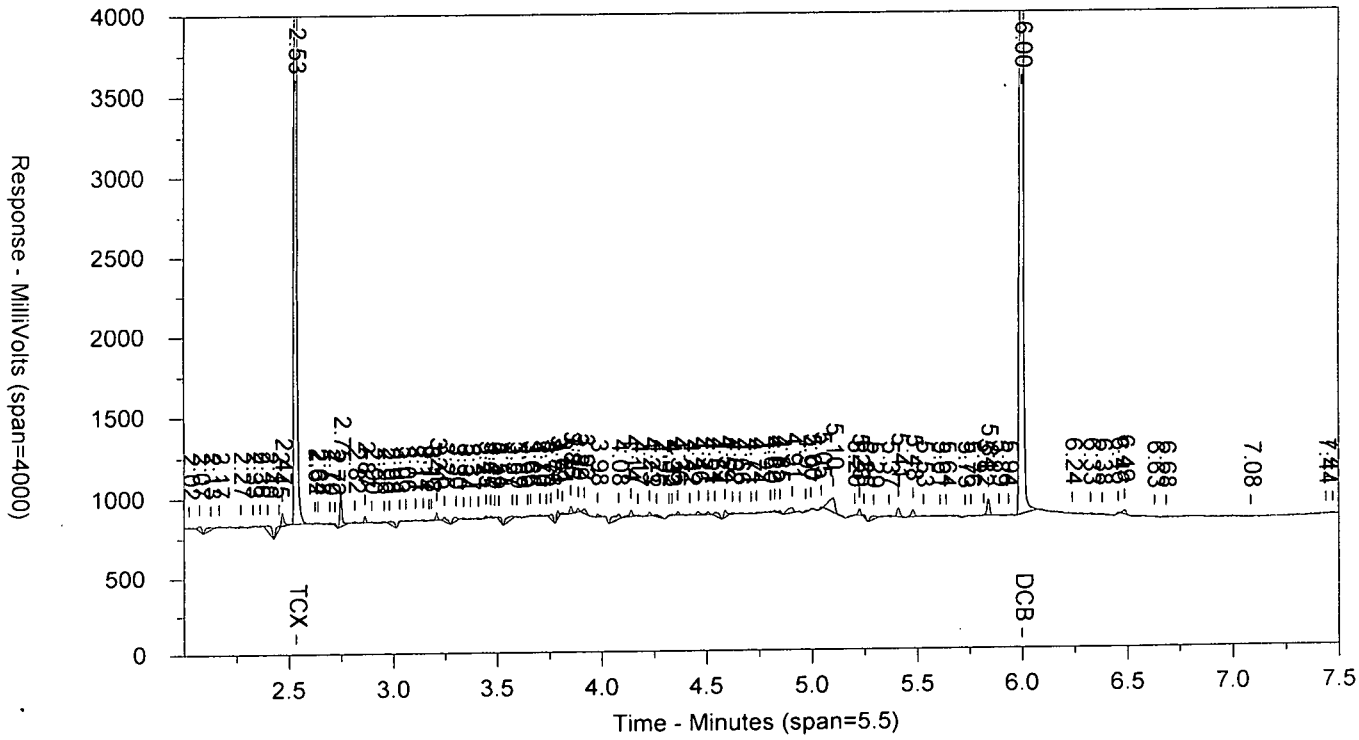

LANCASTER LABORATORIES

Sample Number: AR1641724B IOAR164IO CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 5:36:04 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.042.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.032		2370	5881
2.062		5844	15317
2.149		2206	3855
2.205		34966	27051
2.305		26726	27058
2.404		1262	1354
2.463		1524	1029
2.512		1636	1313
2.545		8266	6662
2.681		1344	1684
2.753		9723	46079
2.844		7889	17851
2.904	TCX	8405015	5495864
3.002		2188	1493
3.052		117470	100289
3.107		158386	152800
3.154		655921	446879
3.23		12318	6726
3.247		76932	49117
3.29		2135	1326
3.368		697875	405790
3.385		309507	163379
3.421		76109	43616
3.437		12395	4443
3.449		41052	20761
3.482		820894	590766
3.519		3253	1681
3.538		16807	10082
3.557		26142	15334
3.591		176646	99728
3.606		84170	40644
3.648		412705	229387
3.659		783158	386570
3.696		947762	698460
3.752		833386	597526
3.792		60487	43070
3.82		564814	406259
3.847		390698	320136
3.868		91207	50236
3.942		623787	433492
3.966		206152	133771
3.997		230822	162804
4.03		646942	594566
4.069		192943	152419
4.115		24813	19115
4.154		33044	23434
4.188		567110	413052
4.206		124884	61674
4.23		163112	121335
4.299		88204	72420
4.342		605597	564197
4.375		18389	12816
4.437		4777	3909
4.478		43566	39289

RT A	Compound A	Height A	Area A
4.529		68664	44635
4.545		145394	100443
4.589		375396	327356
4.638		595163	640265
4.674		124575	84530
4.713		1316957	1219128
4.758		4152	3005
4.799		205036	208977
4.83		11782	7416
4.859		234037	216628
4.91		1605086	1929910
4.96		315664	284998
5.001		697805	789769
5.045		4946	2238
5.081		135359	159714
5.115		1903382	1681726
5.137		63494	34862
5.156		19368	8323
5.182		951194	867639
5.225		576529	542023
5.32		219342	173868
5.344		966095	855512
5.401		514286	464547
5.44		288603	279866
5.482		42841	46715
5.524		317109	348677
5.582		2534340	2649464
5.787		1609359	1515671
5.818		68154	47161
5.84		336651	374048
5.978		49983	49666
6.032		13143	11903
6.058		246905	236722
6.214		655527	650550
6.259		37872	36300
6.415		203132	205072
6.565	DCB	5402156	5426452
6.675		1665	583
6.696		1895	999
6.735		2175	2125
6.81		1378	662
6.836		4561	5631
7.009		4163	4800
7.198		1308	1240
7.357		853	829
7.705		1953	3554
8.146		1138	1020
8.357		1944	2657
8.51		7559	17043

LANCASTER LABORATORIES

Sample Number: AR1641724B IOAR164IO CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 5:36:04 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.042.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.076		23122	27891
2.131		10593	37951
2.158		2510	1151
2.219		31771	30424
2.271		5583	7236
2.305		2809	1196
2.329		7214	8881
2.469		56072	165676
2.491		5729	3042
2.532	TCX	23826890	14713430
2.577		186906	128181
2.626		7005	7314
2.704		514334	389741
2.749		310695	157630
2.765		430004	231268
2.817		2140233	1421413
2.865		87193	51253
2.927		316540	212589
3.002		8454	3676
3.024		1654862	806489
3.034		559454	218034
3.075		374488	231043
3.095		178821	103747
3.121		244189	136301
3.145		2691406	1829015
3.182		120143	73371
3.209		81197	40590
3.228		693365	374479
3.243		404893	197741
3.293		957036	549337
3.302		2626940	1168191
3.322		89169	33880
3.336		2706067	1859839
3.409		3018592	1924847
3.445		2013795	1284858
3.468		2118257	1200264
3.486		745786	373365
3.57		2514241	1653624
3.592		986581	532377
3.613		967141	577016
3.641		644837	338380
3.658		2129176	1308185
3.698		868853	607280
3.744		119481	93883
3.764		610710	350598
3.786		2737822	1803160
3.81		630264	376600
3.829		102507	49406
3.849		384290	245765
3.884		2232966	1565575
3.916		113477	61679
3.929		174778	104486
3.989		25509	29702
4.022		150708	123018

RT B	Compound B	Height B	Area B
4.044		10390	9022
4.078		665210	486591
4.118		709274	422843
4.136		618117	306297
4.149		1560585	885053
4.175		952786	965790
4.225		4988591	3809671
4.273		66587	44618
4.293		469896	295903
4.317		1115820	881734
4.359		5773784	4581968
4.458		4388362	4638979
4.509		649988	552328
4.547		1445486	1262862
4.582		5655745	4797475
4.614		2845200	2116841
4.652		2189191	1788691
4.707		2924	1183
4.749		748662	531468
4.766		93293	48314
4.798		3790442	3022466
4.82		475953	278224
4.87		2019455	1889581
4.905		1103123	901975
4.936		869313	691621
4.967		402423	255538
4.991		8535978	7459205
5.032		213991	160577
5.062		371207	340278
5.183		113699	72047
5.206		1902259	1655380
5.25		5561815	6595180
5.369		4882	4143
5.407		222539	205040
5.454		179898	136006
5.476		136278	96888
5.525		1153313	1054215
5.635		2450107	2183863
5.667		167011	125749
5.728		4296	4753
5.785		4767	4396
5.835		835165	809514
5.994	DCB	19790540	17427180
6.166		12479	16207
6.318		4983	7258
6.448		22154	18695
6.482		13178	10032
6.621		5395	6125
7.294		1820	6146
7.454		4400	10910
7.752		2225	3278
7.829		7656	13426
8.008		10831	18318
8.336		3853	9067
8.57		2049	3884

AR1641724B IOAR164IO CCAL 1727799999 10736 SW-846 8082

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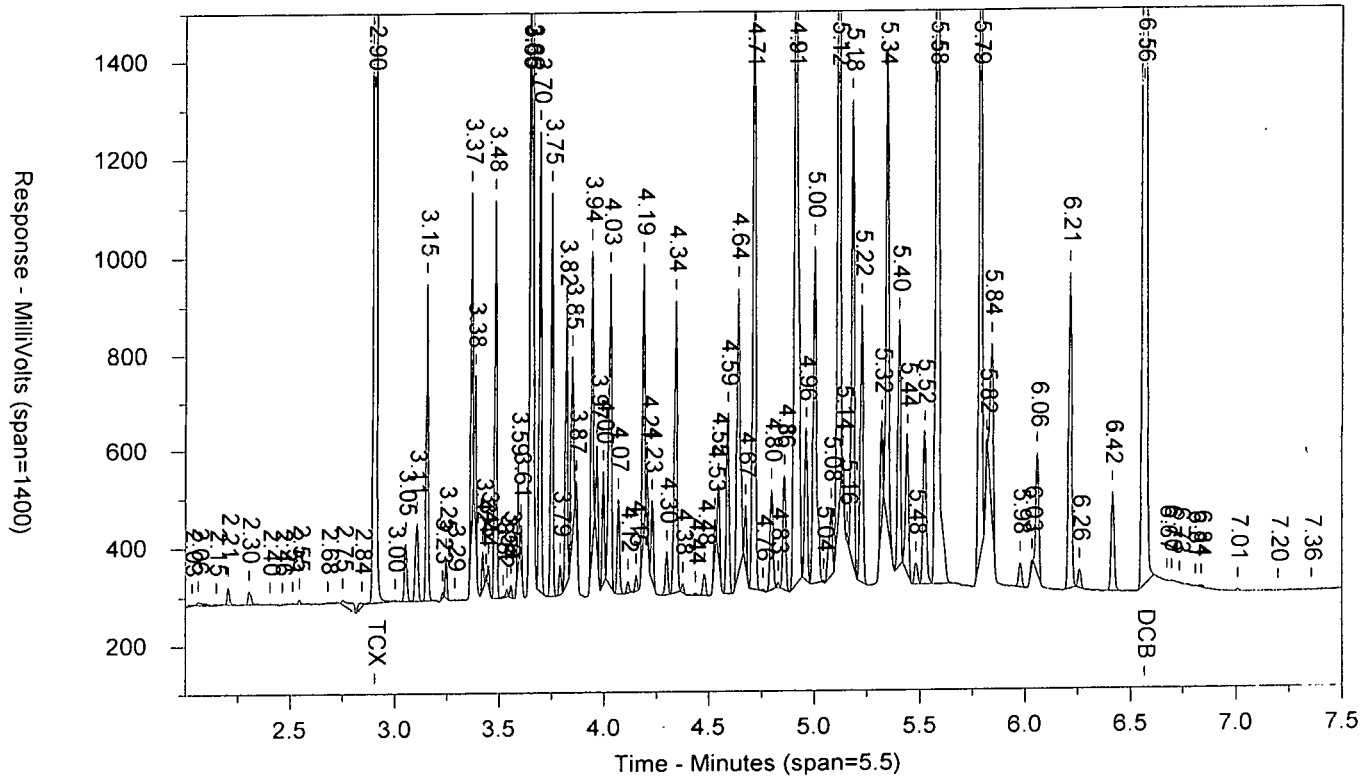

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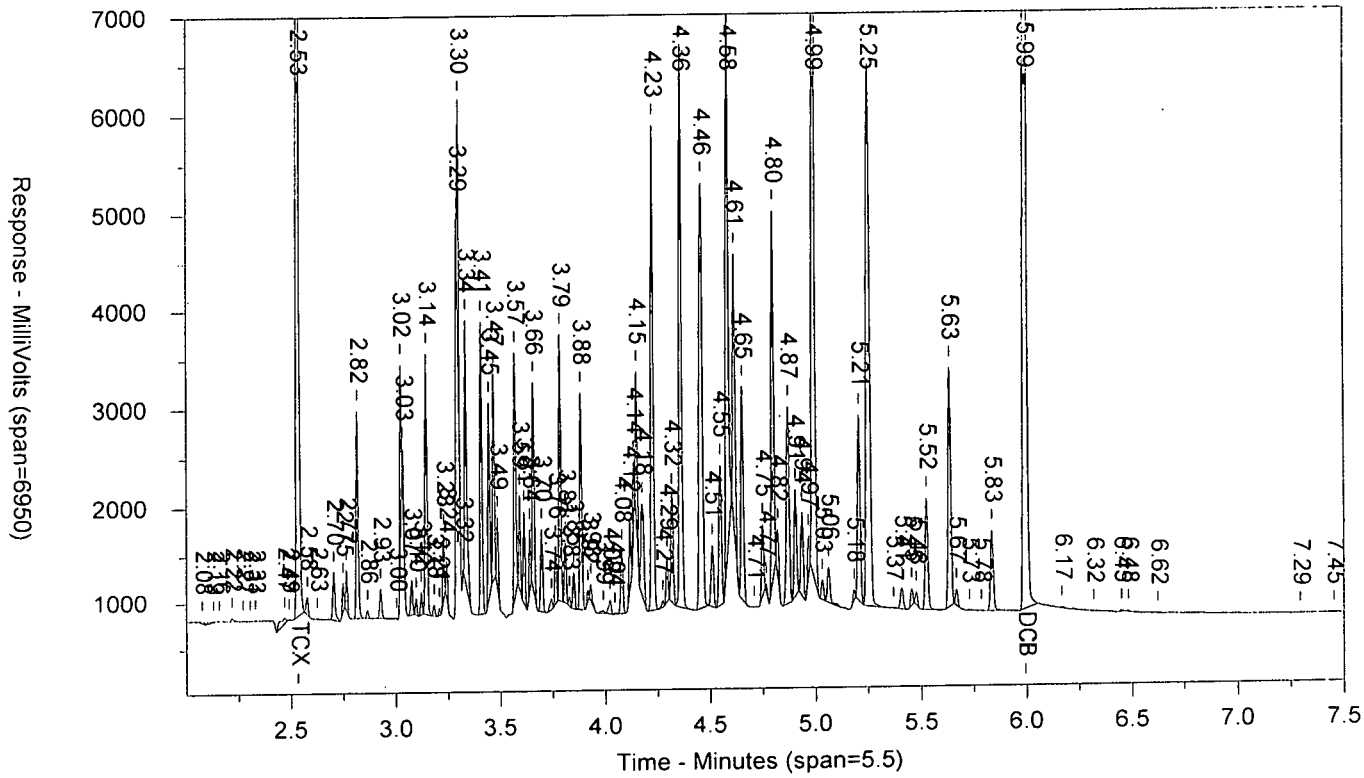

LANCASTER LABORATORIES

Sample Number: AR1641724B IOAR164IO CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 5:36:04 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	8405015	42.869	TCX	2.532	23826890	40.36	TCX
6.565	5402156	40.043	DCB	5.994	19790540	38.72	DCB

Files:
Area File: 20PCBS17278001.042.RAW
Area File: 20PCBS17278001B.042.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 5:44:49 AM
File Reported On: 10/6/2017 at 5:45:00 AM

AR1641724B IOAR164IO CCAL 1727799999 10736 SW-846 8082

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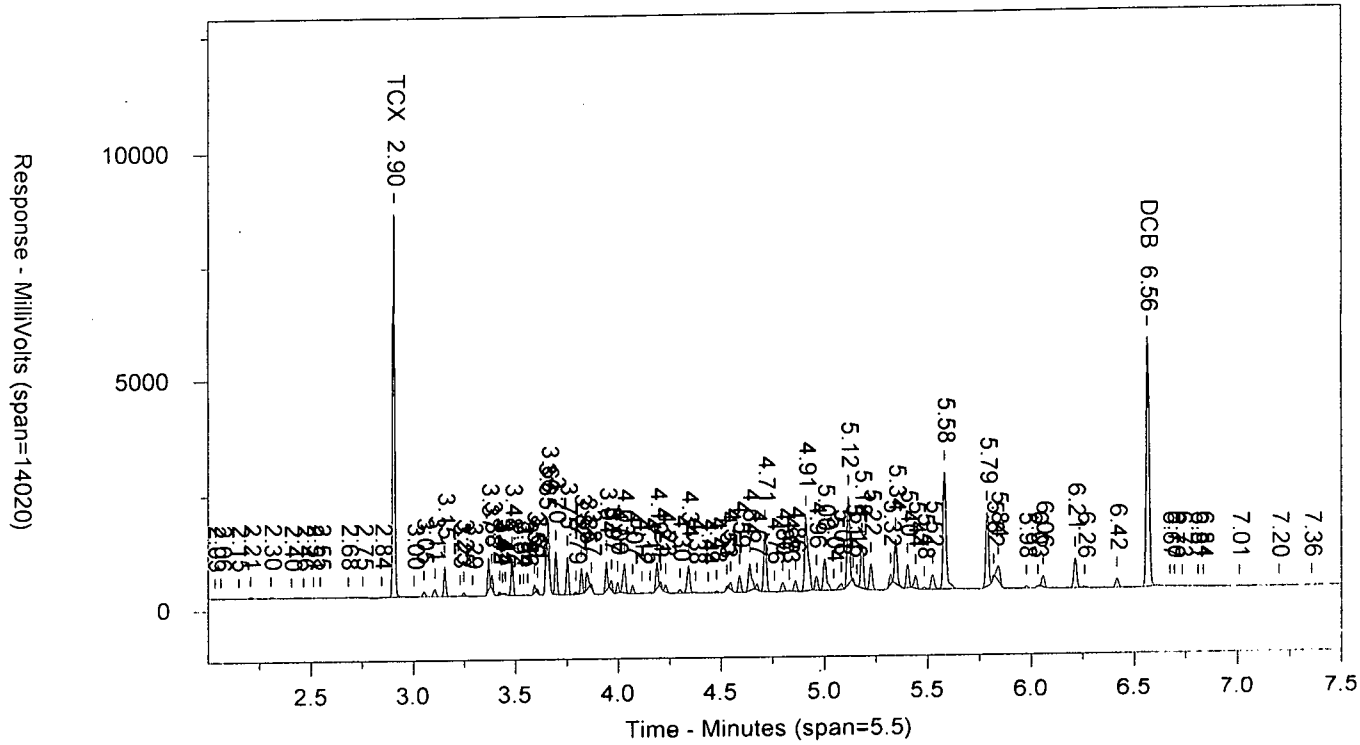

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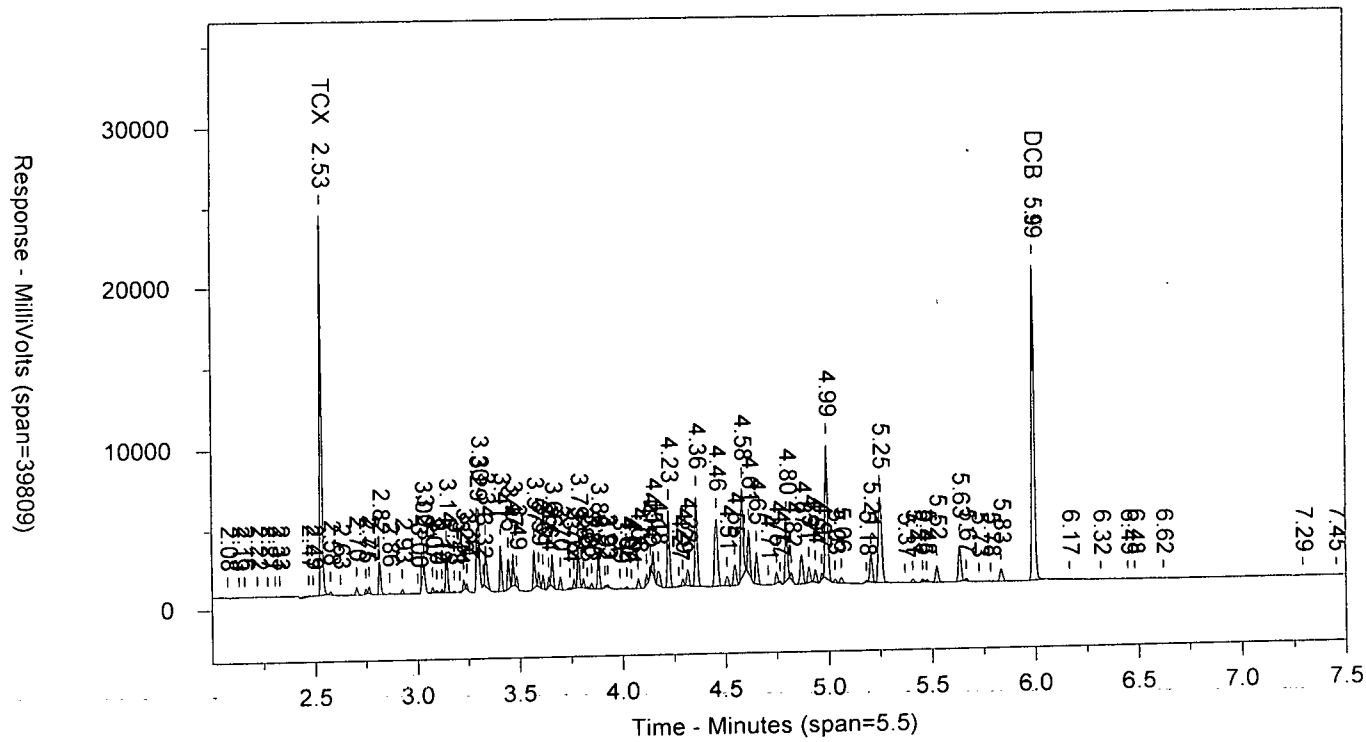

AR1641724B IOAR164IO CCAL 1727799999 10736 SW-846 8082

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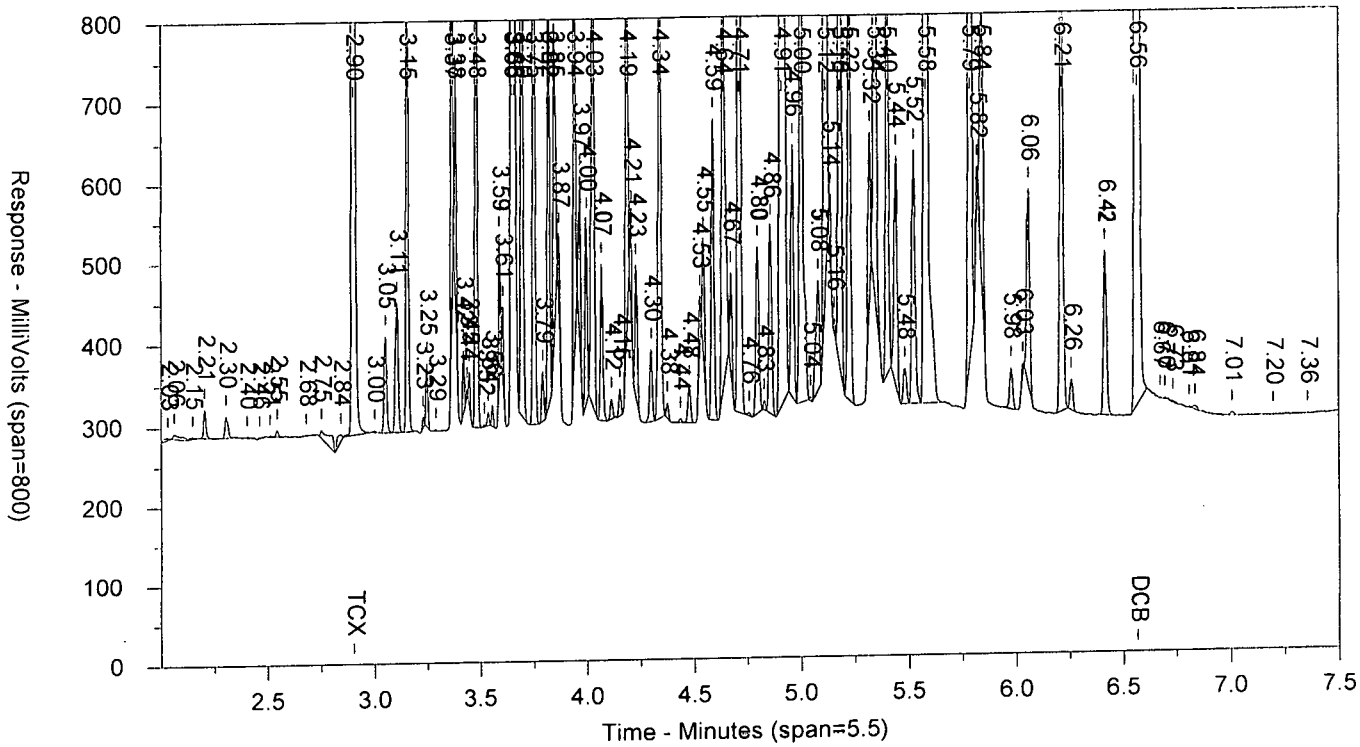

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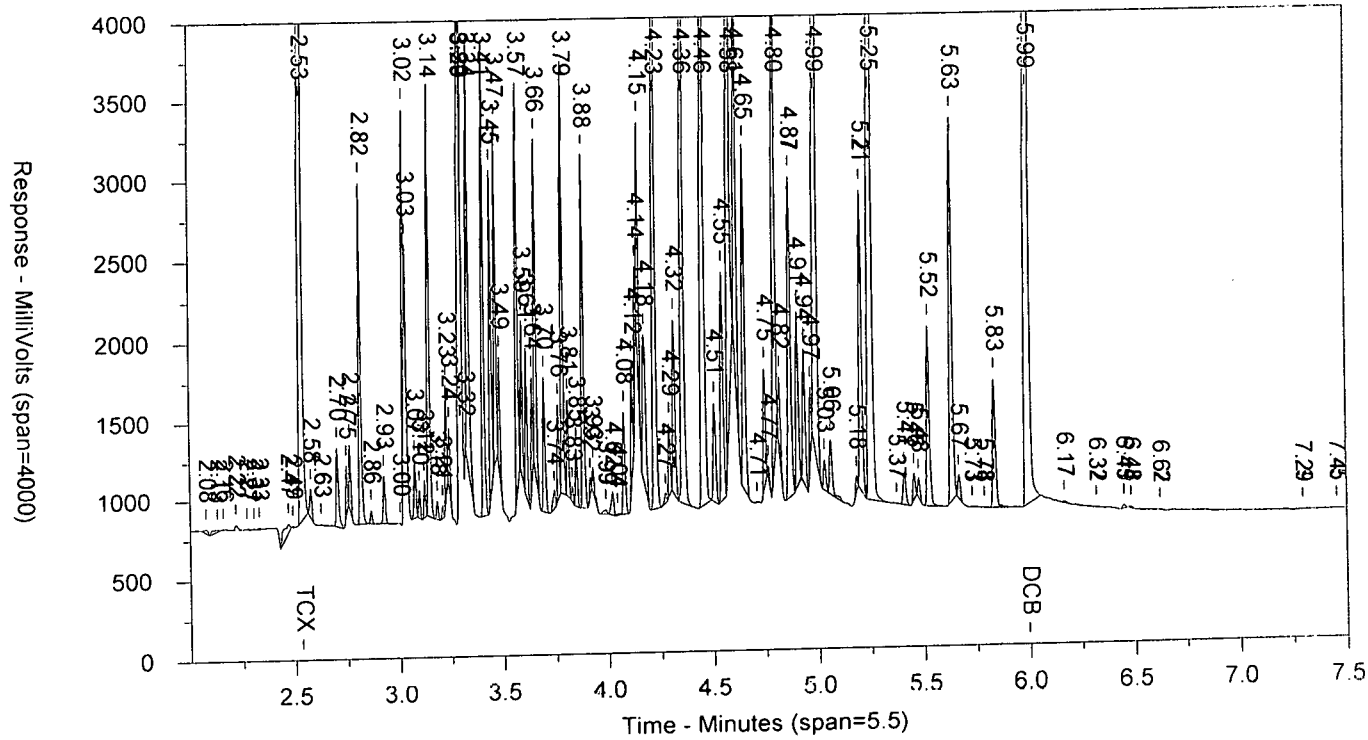

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NNPIBLKNN PIBLK1727799999 10736 SW-846 8082
Injected On: 10/6/2017 5:47:35 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.043.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.027		2713	5355
2.064		7792	18598
2.205		17632	13620
2.304		19578	19627
2.463		2079	1592
2.691		814	1738
2.753		20260	18167
2.841		5995	11093
2.904	TCX	4025149	2614850
3.1		49391	43263
3.23		9716	6790
3.351		1311	2206
3.475		1413	1258
3.539		7687	5059
3.578		2071	4180
3.629		1871	1076
3.743		1592	2081
3.891		2182	3374
4.027		856	1920
4.136		5215	5280
4.209		1928	1240
4.24		3281	3084
4.589		1056	3163
4.623		675	703
4.753		855	662
4.959		1593	5936
4.995		1408	1445
5.075		2059	2071
5.119		1479	1899
5.382		18115	64168
5.484		1320	981
5.559		1108	794
5.607		4090	4882
5.688		10018	10108
5.979		13085	13409
6.043		12766	34489
6.164		2129	3712
6.216		1443	3484
6.263		1560	1058
6.387		769	466
6.419		21802	19497
6.446		3519	2720
6.526		789	417
6.567	DCB	2568831	2698562
6.696		3143	2878
6.836		5018	7891
7.008		2043	2195
7.054		822	1038
7.699		1123	1282
8.017		1022	2384
8.513		7193	18770
8.604		767	585

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NNPIBLKNN PIBLK1727799999 10736 SW-846 8082
Injected On: 10/6/2017 5:47:35 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.043.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.078		26826	35368
2.127		11836	37889
2.156		5608	7639
2.215		4200	11371
2.332		3391	2086
2.368		2745	1869
2.453		21317	43465
2.469		97814	83756
2.532	TCX	11401010	7269712
2.624		4258	6857
2.694		9902	29406
2.749		214710	153882
2.865		42944	26632
2.911		4056	2858
2.959		1751	2276
3.035		4666	11771
3.044		1454	674
3.06		2304	518
3.082		1599	594
3.093		1232	510
3.109		4054	3004
3.122		1392	264
3.136		1911	931
3.151		1485	342
3.184		1848	669
3.209		34109	23153
3.247		22392	31604
3.299		16992	26890
3.333		2782	2193
3.373		5296	4192
3.403		4241	4898
3.447		3578	2918
3.56		20682	58672
3.634		7694	10372
3.68		2701	1862
3.729		2922	1417
3.793		15677	22616
3.852		35105	34974
3.978		28632	77878
4.077		16345	63425
4.107		4468	3689
4.133		3461	3576
4.244		2648	2931
4.335		16149	44058
4.413		4411	10814
4.489		4648	10834
4.537		7368	5552
4.554		11770	8700
4.599		6862	13555
4.622		3551	3601
4.664		4021	10618
4.736		5752	7234
4.844		7460	6587
4.903		12919	34281

RT B	Compound B	Height B	Area B
4.939		5094	4177
4.978		2425	2158
5.007		4301	5036
5.065		7621	5990
5.101		19562	25812
5.224		86278	205925
5.298		19388	54567
5.408		61392	61278
5.477		50967	50793
5.526		6914	8956
5.728		2761	1851
5.789		2878	2116
5.813		4243	2107
5.837		98254	83114
5.89		3978	2892
5.995	DCB	9381346	8911871
6.32		3987	3729
6.381		5322	6282
6.451		10684	8734
6.48		13572	13170
6.565		3827	4322
6.681		4432	7064
7.086		2783	3712
7.258		2514	1105
7.288		2488	3364
7.366		1622	1405
7.418		2089	1265
7.632		3024	5457
7.695		2172	3959
7.768		1758	5958
7.827		10411	16363
7.973		1601	894
8.01		11476	19160
8.223		1528	1879
8.368		3832	9881
8.414		1761	1743
8.485		1539	798

IBLKX1724B NNPIBLKNN PIBLK1727799999 10736 SW-846 8082

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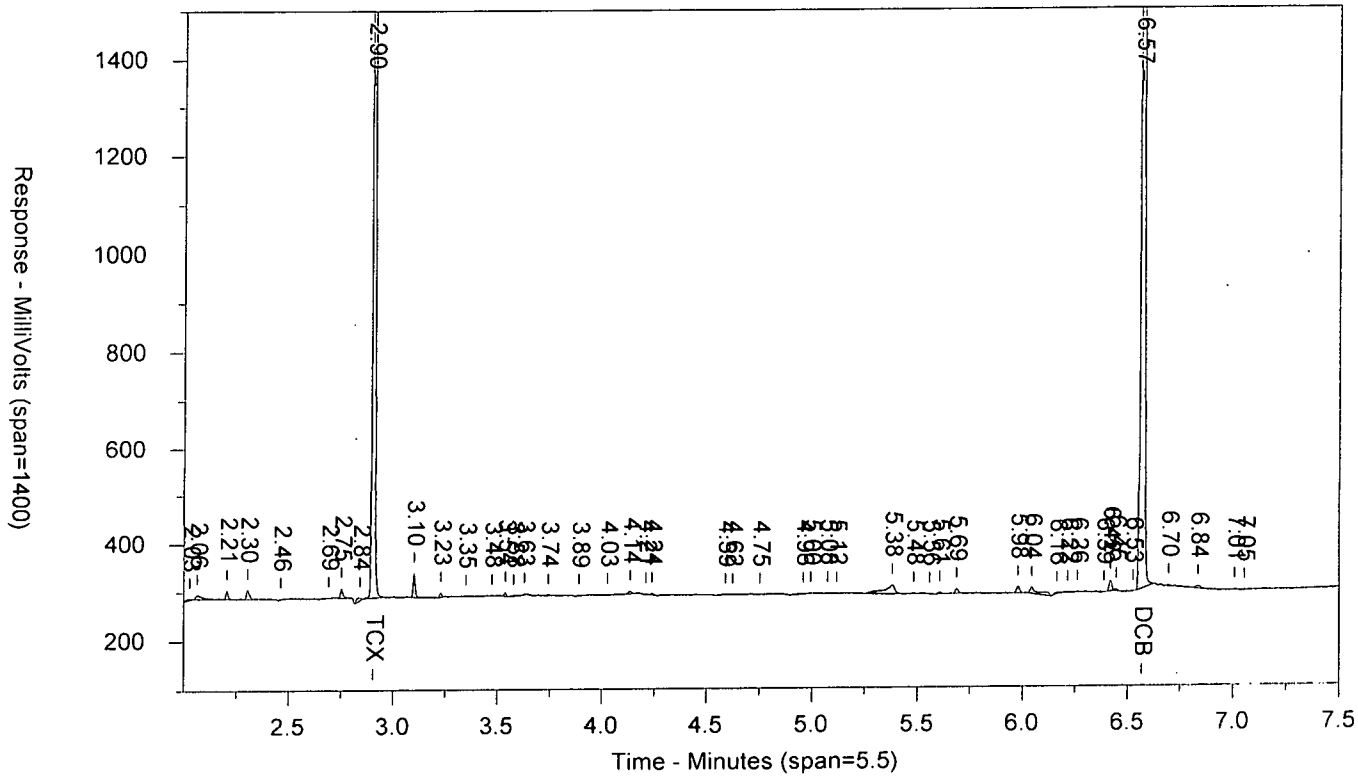

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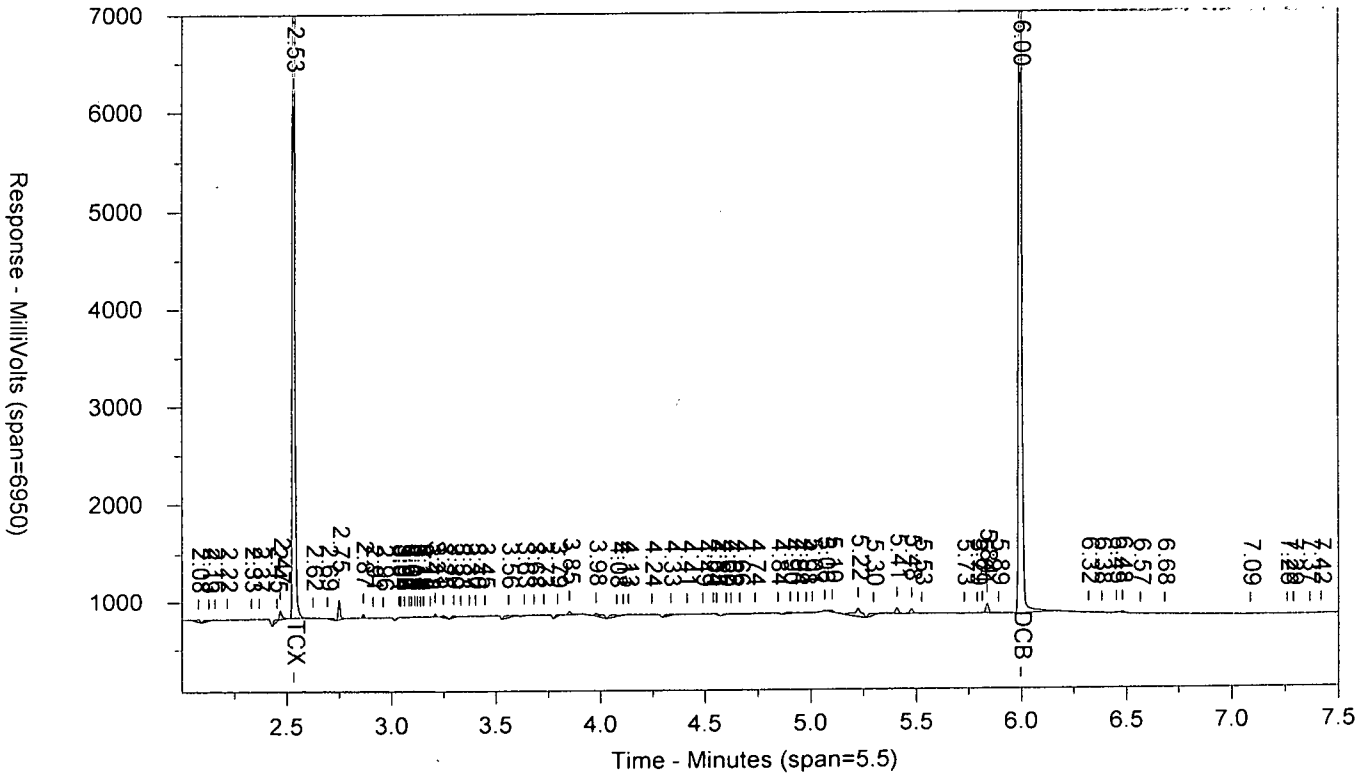

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NNPIBLKNN PIBLK1727799999 10736 SW-846 8082
Injected On: 10/6/2017 5:47:35 AM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	4025149	.205	TCX	2.532	11401010	.193	TCX
6.567	2568831	.19	DCB	5.995	9381346	.184	DCB

Files:
Area File: 20PCBS17278001.043.RAW
Area File: 20PCBS17278001B.043.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 5:56:17 AM
File Reported On: 10/6/2017 at 5:56:27 AM

IBLKX1724B NNPIBLKNN PIBLK1727799999 10736 SW-846 8082

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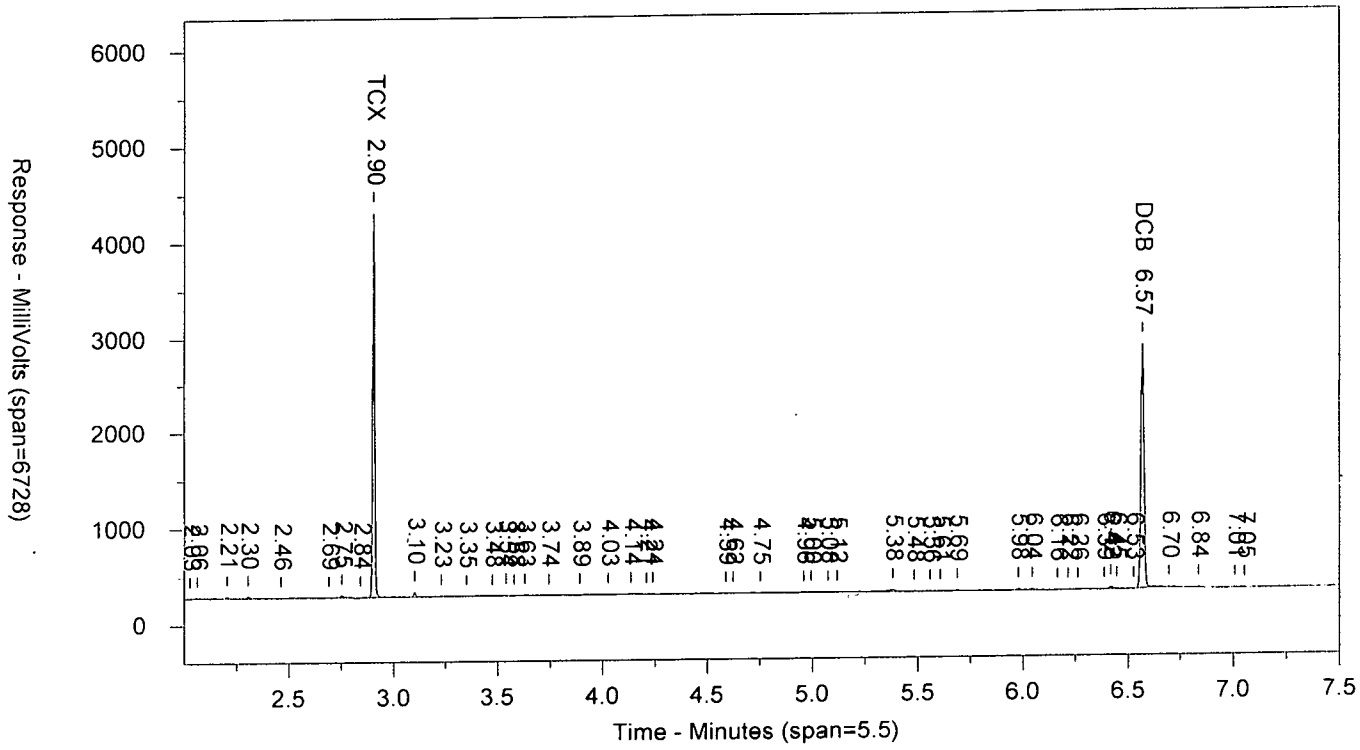

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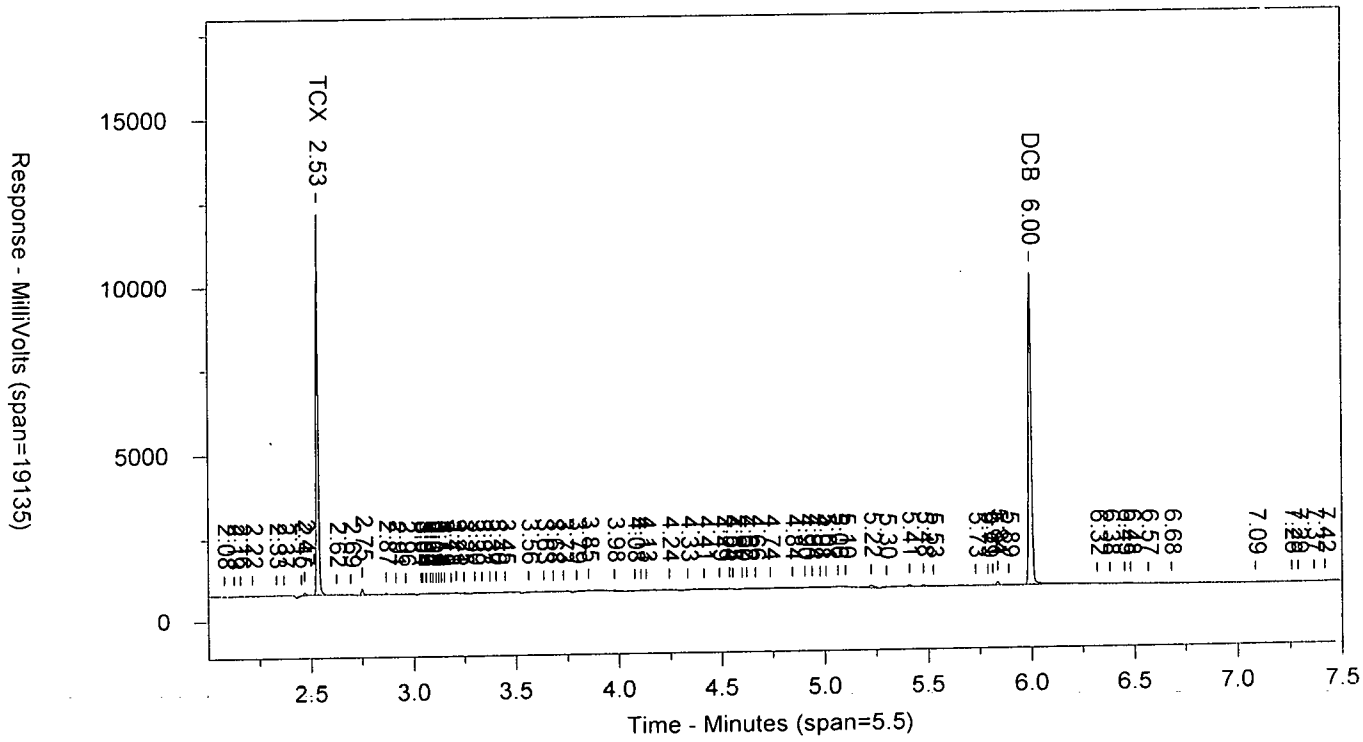

IBLKX1724B NNPIBLKNN PIBLK1727799999 10736 SW-846 8082

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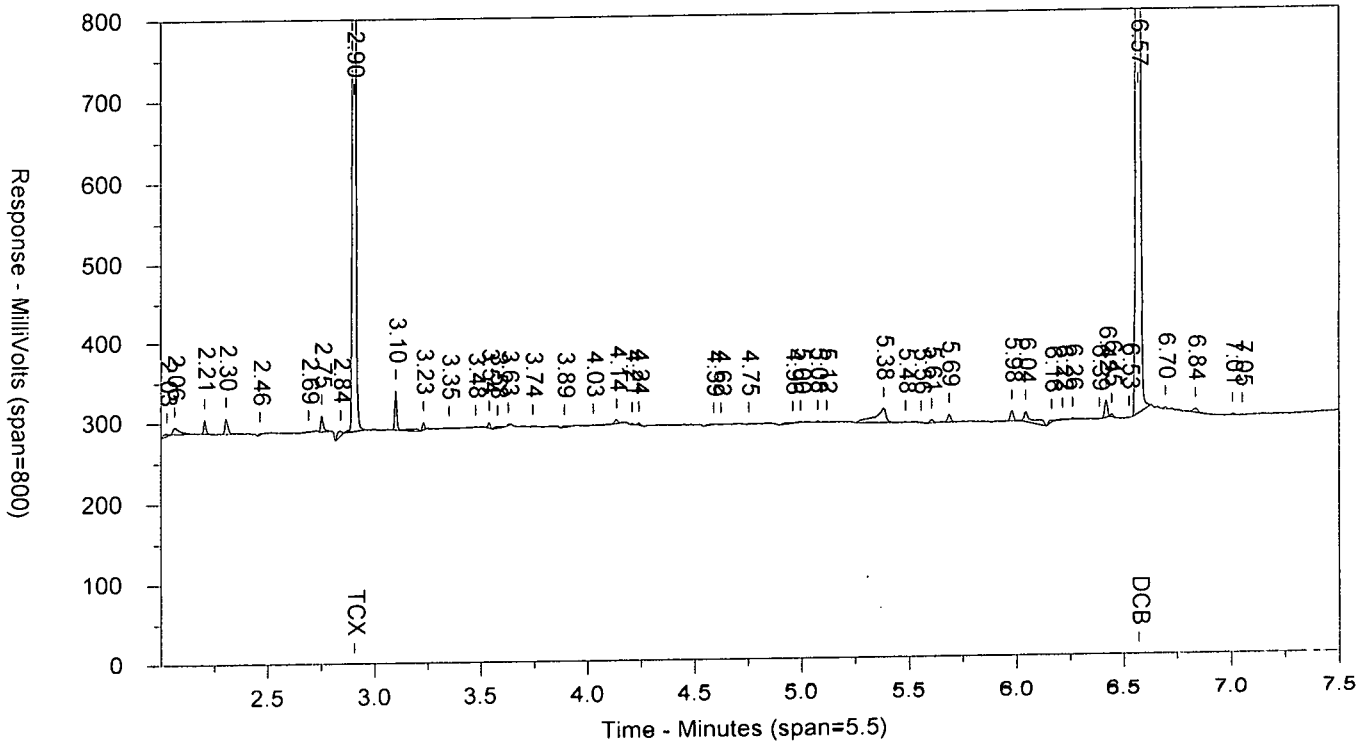

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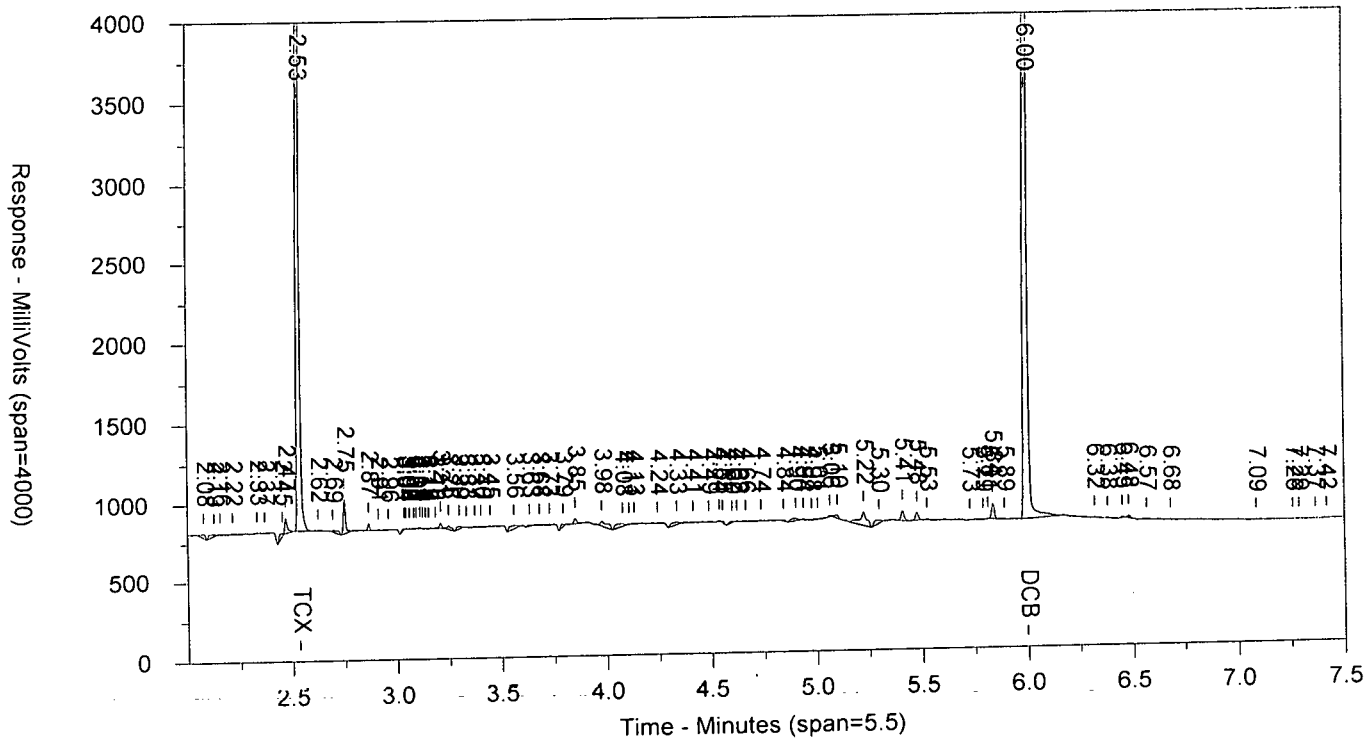

LANCASTER LABORATORIES

Sample Number: AR1641724B IPAR164IP CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 7:07:08 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.050.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.021		2384	3407
2.069		12147	28709
2.205		34658	25843
2.305		29058	28405
2.467		1608	1462
2.515		1671	1452
2.545		8492	7373
2.724		1319	1367
2.753		27766	49323
2.836		7679	11838
2.904	TCX	8138511	5385116
3.002		2033	1184
3.052		117408	101317
3.107		153999	149461
3.155		644026	443815
3.229		12446	6597
3.247		75376	47791
3.289		2595	2266
3.368		690856	399789
3.385		307023	160083
3.422		76271	43256
3.437		12256	4397
3.449		42232	20709
3.482		772292	582400
3.519		3672	1868
3.538		18735	11255
3.557		25881	15902
3.591		173157	97442
3.606		93291	42306
3.648		445186	230489
3.659		835950	392846
3.696		933628	687455
3.752		831814	586791
3.792		60942	43033
3.82		561085	400309
3.847		372865	309609
3.869		95194	51601
3.942		620081	431836
3.966		210305	135620
3.997		231451	161971
4.029		652677	589092
4.069		188171	150224
4.115		27125	22027
4.154		34989	25278
4.188		559064	411970
4.206		111754	59959
4.23		161103	119726
4.299		87352	72297
4.341		605240	563931
4.375		19571	13520
4.437		4897	3741
4.477		44409	40452
4.529		71534	44725
4.545		151092	104014

RT A	Compound A	Height A	Area A
4.589		377977	327887
4.638		592851	643018
4.674		130805	89491
4.713		1340980	1223382
4.758		4456	3775
4.798		206482	211048
4.83		11002	6679
4.858		231428	216452
4.91		1591746	1943168
4.961		308396	285962
5		718520	793559
5.043		4983	2403
5.08		135154	160556
5.115		1849497	1684515
5.137		69910	33761
5.156		13622	5423
5.182		948878	877534
5.224		576313	547352
5.269		1227	791
5.319		218863	175628
5.345		1015013	870070
5.401		526071	473730
5.44		288901	288002
5.482		44615	47741
5.524		315712	351194
5.581		2577956	2679879
5.786		1609335	1527087
5.818		57929	47752
5.842		332054	357586
5.977		47493	46813
6.058		298129	370474
6.214		671851	655814
6.259		38573	36923
6.415		205753	209476
6.563	DCB	5497615	5572213
6.691		2326	2442
6.722		2050	2482
6.829		2828	3274
7.006		4190	5314
7.709		1740	4621
8.351		1409	1496
8.452		687	507
8.505		6404	14099

LANCASTER LABORATORIES

Sample Number: AR1641724B IPAR164IP CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 7:07:08 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.050.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.035		2445	1930
2.078		21987	26744
2.108		10983	11601
2.125		3350	2294
2.16		5291	6065
2.219		31394	29135
2.33		7119	7897
2.379		2208	1702
2.453		23880	52379
2.47		121695	108483
2.532	TCX	23590830	14453180
2.577		182046	120906
2.623		5318	5081
2.704		518332	392896
2.75		292585	147469
2.765		409349	222009
2.817		2141109	1402085
2.865		83612	51971
2.928		310588	205710
3.002		8956	3946
3.024		1610804	826027
3.034		454498	186950
3.075		363033	225471
3.096		175794	102962
3.121		241084	133889
3.144		2671396	1803387
3.182		124334	73189
3.208		88064	44538
3.228		689926	368888
3.243		418746	197193
3.293		895400	513958
3.302		2542480	1134340
3.322		87782	33228
3.336		2689972	1844054
3.409		2934678	1896494
3.445		2003744	1269768
3.468		2095575	1188789
3.485		706023	366029
3.57		2433013	1630475
3.592		975101	526942
3.613		958896	571605
3.641		653115	342051
3.658		2140407	1290090
3.697		878618	600730
3.744		115540	90012
3.764		596344	345830
3.785		2756806	1787918
3.81		618642	369315
3.829		104507	50536
3.849		376292	244503
3.884		2224353	1563823
3.916		111718	61743
3.929		163020	101141
3.988		24710	28823

RT B	Compound B	Height B	Area B
4.021		157275	127185
4.046		9074	9021
4.078		651505	486753
4.118		710930	426693
4.136		569886	293963
4.15		1586280	861197
4.175		967376	977615
4.225		4898222	3830390
4.273		65903	44246
4.293		453526	296111
4.317		1126762	879685
4.359		5869388	4575031
4.458		4226461	4620591
4.508		670943	552518
4.548		1433048	1254650
4.582		5591356	4780900
4.614		2974495	2158372
4.652		2170076	1780709
4.709		5428	5328
4.748		717147	527520
4.766		88604	45176
4.798		3830394	3044503
4.82		471532	284345
4.87		2054113	1889188
4.905		1095564	896900
4.936		846791	686363
4.967		415347	247725
4.99		8443488	7323141
5.032		198220	155012
5.061		359533	326322
5.182		109202	71427
5.206		1875320	1647423
5.251		5480407	6562036
5.372		7288	4812
5.406		222206	204875
5.454		178441	133814
5.475		134241	94599
5.524		1138352	1032009
5.635		2347177	2137981
5.666		166608	126232
5.725		2898	2325
5.784		4677	4375
5.835		841269	765272
5.994	DCB	19529470	17477330
6.168		12853	12493
6.448		21341	18780
6.479		12014	10526
6.621		4970	4481
6.688		2565	1849
7.108		1645	600
7.289		2068	1277
7.434		1849	1152
7.62		3045	8658
7.692		2207	3675
7.753		2545	4036
7.824		9078	15572
7.901		1704	1430
8		11146	19085
8.199		2048	1824
8.336		1534	2849
8.663		1630	2024

AR1641724B IPAR164IP CCAL 1727799999 10736 SW-846 8082

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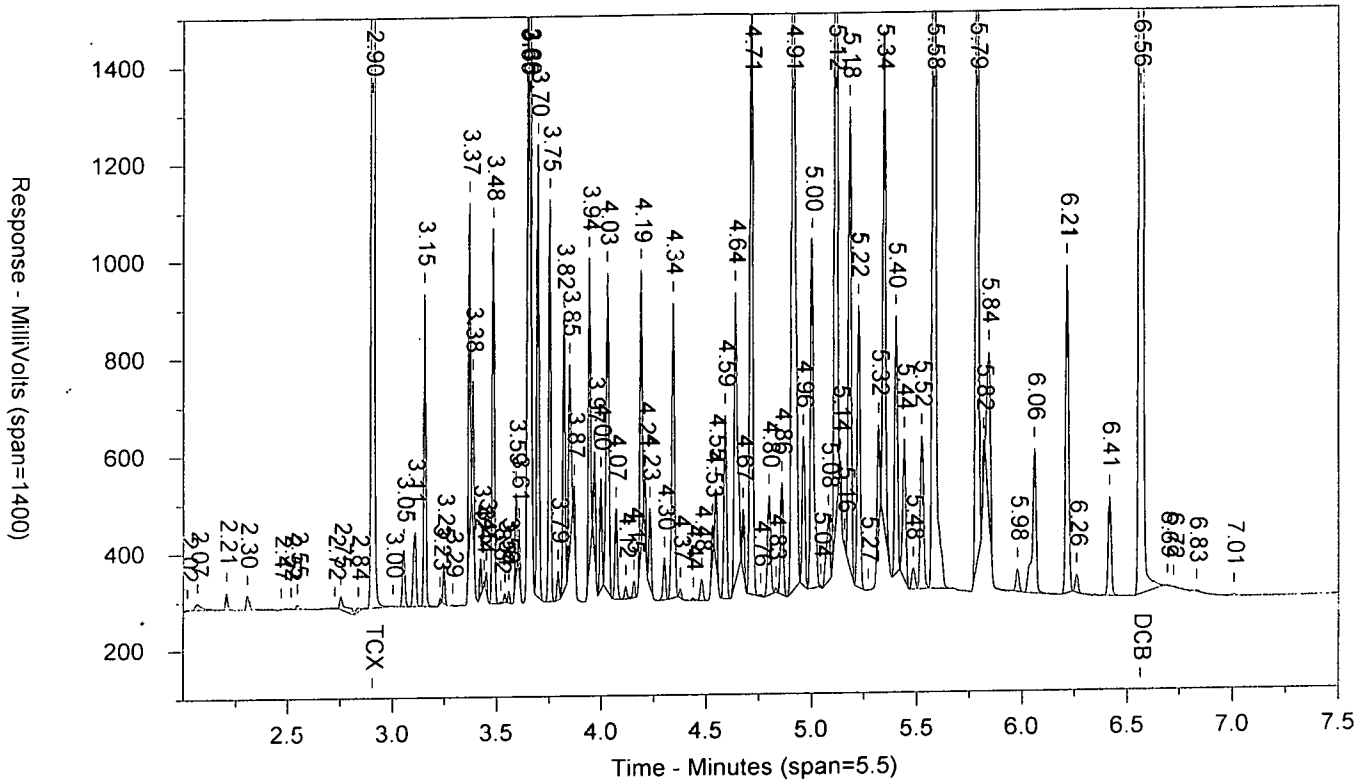

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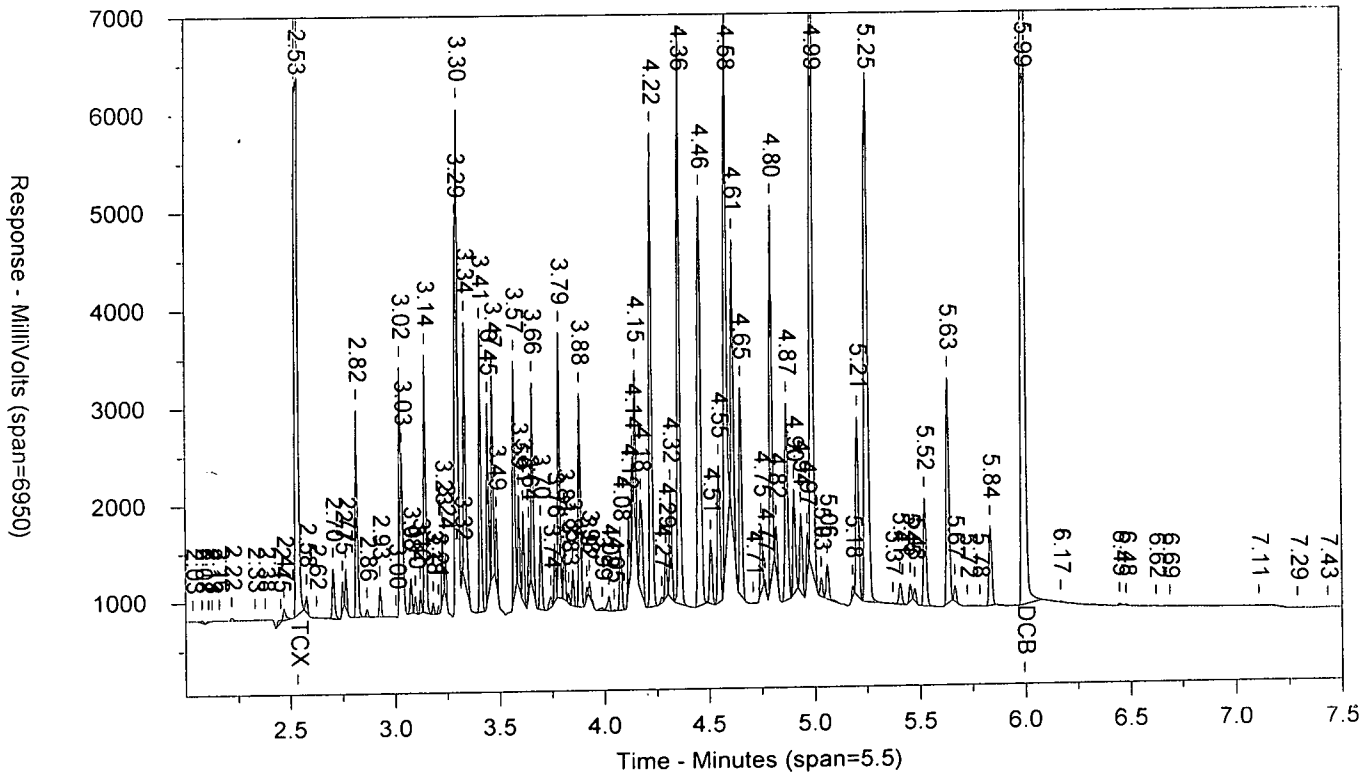

LANCASTER LABORATORIES

Sample Number: AR1641724B IPAR164IP CCAL 1727799999 10736 SW-846 8082
Injected On: 10/6/2017 7:07:08 AM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	8138511	41.51	TCX	2.532	23590830	39.961	TCX
6.563	5497615	40.751	DCB	5.994	19529470	38.209	DCB

Files:
Area File: 20PCBS17278001.050.RAW
Area File: 20PCBS17278001B.050.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 7:15:50 AM
File Reported On: 10/6/2017 at 7:16:00 AM

AR1641724B IPAR164IP CCAL 1727799999 10736 SW-846 8082

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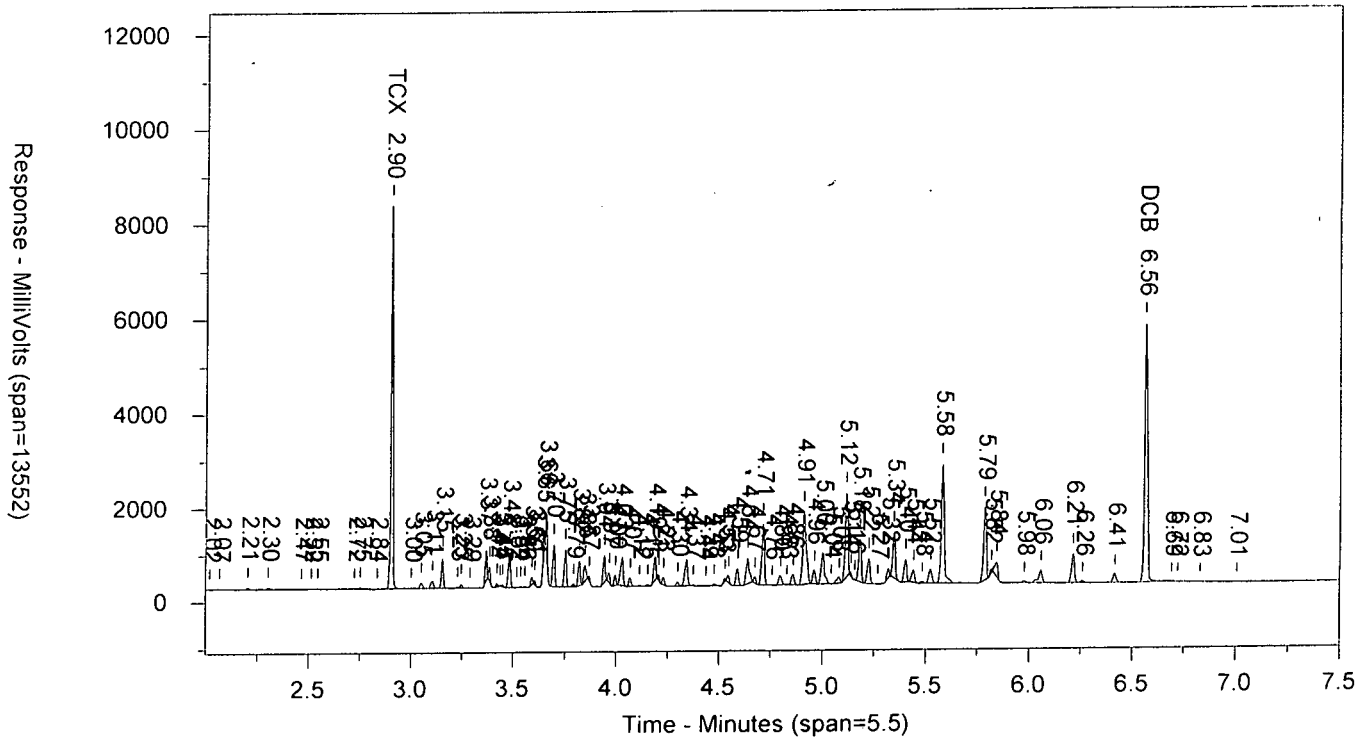

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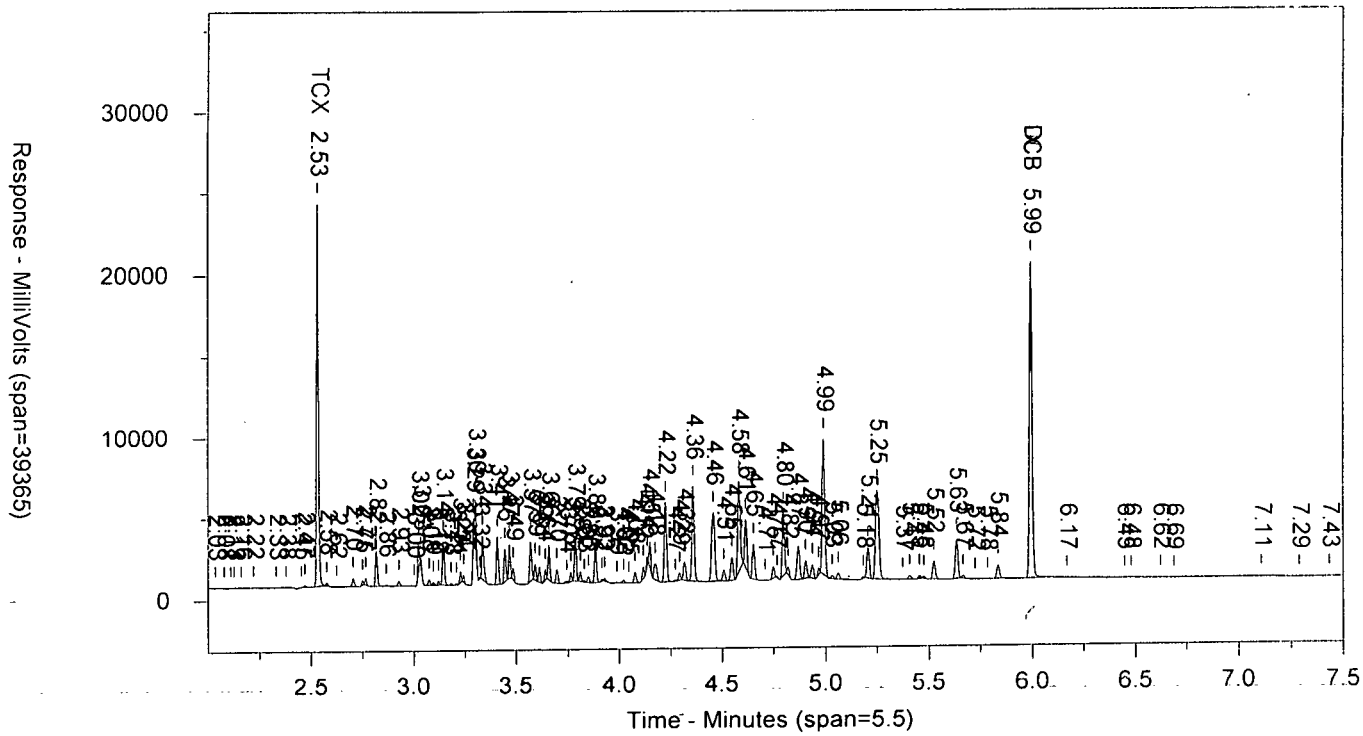

AR1641724B IPAR164IP CCAL 1727799999 10736 SW-846 8082

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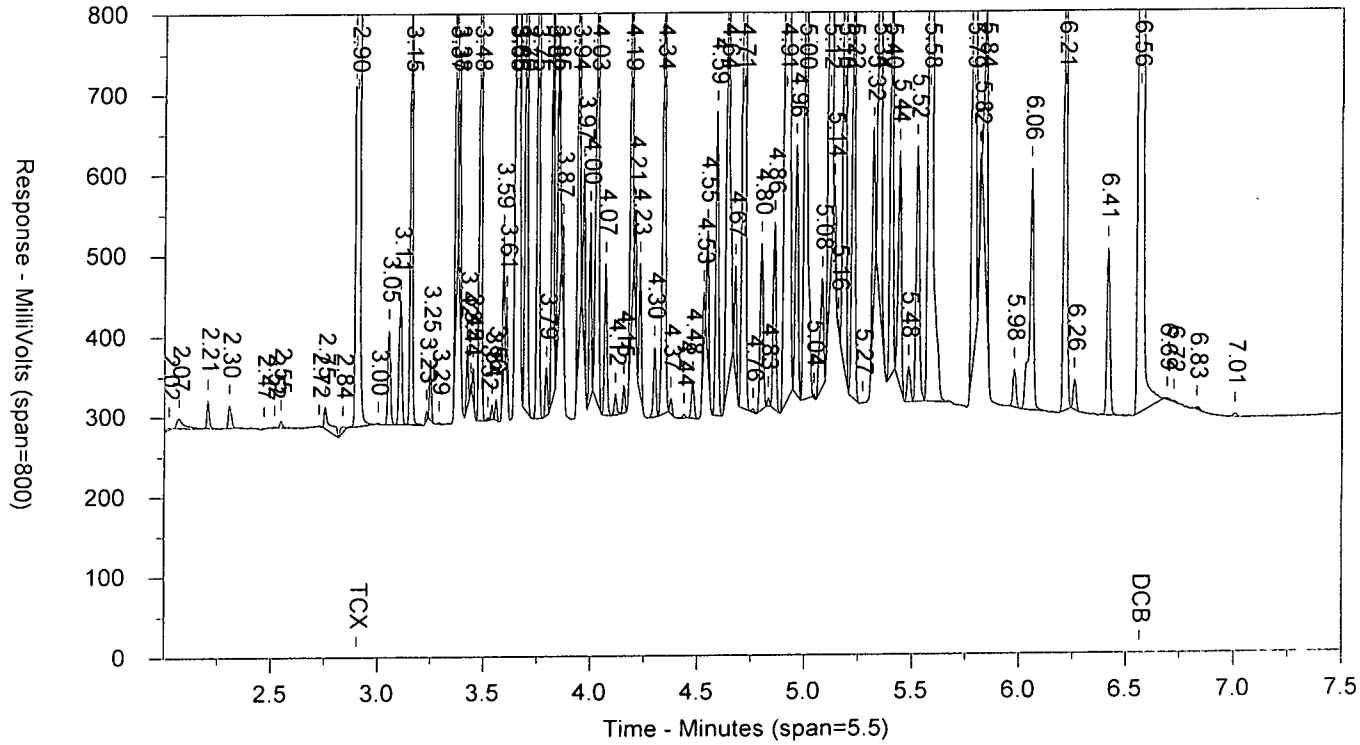

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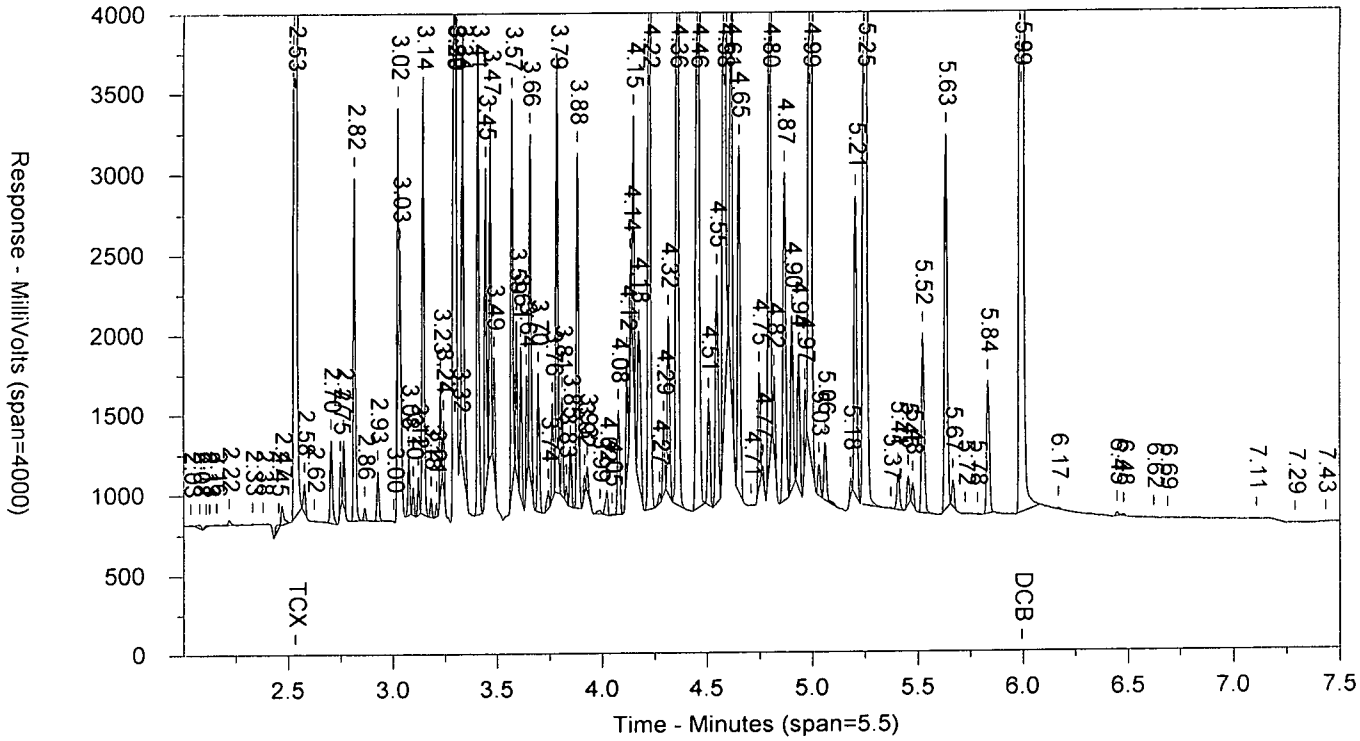

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NOPIBLKNO PIBLK1727799999 10736 SW-846 8082
Injected On: 10/6/2017 7:18:35 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBS17278001.051.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727801.CAL

RT A	Compound A	Height A	Area A
2.024		3816	6590
2.063		4697	6034
2.142		1579	2779
2.205		17777	14435
2.276		834	577
2.304		19413	17279
2.494		2206	6787
2.724		1110	1793
2.753		8125	6658
2.841		6232	11053
2.904	TCX	3991742	2604316
3.1		48412	32041
3.229		11083	10072
3.329		861	578
3.475		2423	2179
3.538		9191	6341
3.575		2933	6465
3.629		2259	1395
3.719		831	517
3.738		1616	1970
3.893		1983	3069
4.134		5058	5545
4.211		1899	1572
4.241		4192	4710
4.284		1983	3092
4.578		362	2025
4.59		1200	1250
4.799		1246	1343
4.948		719	4643
5.382		18084	67812
5.606		4603	6382
5.688		14206	14593
5.948		742	3145
5.978		13600	13622
6.042		11247	13036
6.157		3973	4558
6.196		413	619
6.262		2360	2046
6.416		19952	18376
6.442		5339	4461
6.526		795	363
6.564	DCB	2679753	2688363
6.69		1552	4605
6.833		4312	4715
7.003		2135	2178
7.362		857	1068
7.747		929	520
8.009		1320	1921
8.36		2112	3751
8.451		686	364
8.51		6783	14025

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NOPIBLKNO PIBLK1727799999 10736 SW-846 8082
Injected On: 10/6/2017 7:18:35 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS17278001B.051.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727801b.CAL

RT B	Compound B	Height B	Area B
2.029		3076	3972
2.076		29946	35923
2.128		16411	54375
2.156		6142	7100
2.216		4234	4770
2.281		5556	7021
2.313		2751	3168
2.329		6817	8187
2.454		15766	39766
2.469		39900	32777
2.532	TCX	11401060	7191892
2.696		8230	6383
2.75		223298	176053
2.814		2794	2927
2.865		41224	27192
3.031		7338	11787
3.04		1780	1093
3.088		2002	512
3.11		5574	4525
3.136		1328	300
3.166		1313	465
3.208		40075	29214
3.247		29925	39841
3.301		18307	33470
3.329		3228	2838
3.373		7892	10111
3.447		4213	2406
3.472		4381	2757
3.508		23440	29381
3.561		40605	155622
3.642		1776	9308
3.675		3616	2183
3.756		30608	33783
3.81		15590	61102
3.851		34215	31980
3.914		7340	10720
3.978		18790	16815
4.063		6300	36530
4.077		9829	7691
4.139		8258	22987
4.339		17789	63157
4.363		2575	1478
4.414		4368	5180
4.535		24284	52791
4.598		15184	29266
4.733		6199	5823
4.89		4802	10559
4.939		6025	5841
5.007		2970	3543
5.064		9941	8791
5.099		16518	25208
5.188		4310	10249
5.224		102478	157024
5.293		27363	70184

RT B	Compound B	Height B	Area B
5.332		2043	1296
5.357		5341	8242
5.407		63771	64220
5.476		52117	56246
5.526		5308	5028
5.751		6772	15675
5.787		2869	1576
5.814		6936	4226
5.835		95704	80032
5.87		4185	3421
5.994	DCB	9350034	8722588
6.377		5450	9935
6.448		12148	11298
6.478		13203	14089
6.622		4433	5932
6.675		4984	7269
6.769		4183	6775
7.084		2639	4784
7.281		2304	4060
7.612		2252	1051
7.677		2413	1891
7.82		9466	15767
7.899		1827	2412
8.006		10979	19209
8.113		1938	2496
8.354		4244	12127

IBLKX1724B NOPIBLKNO PIBLK1727799999 10736 SW-846 8082

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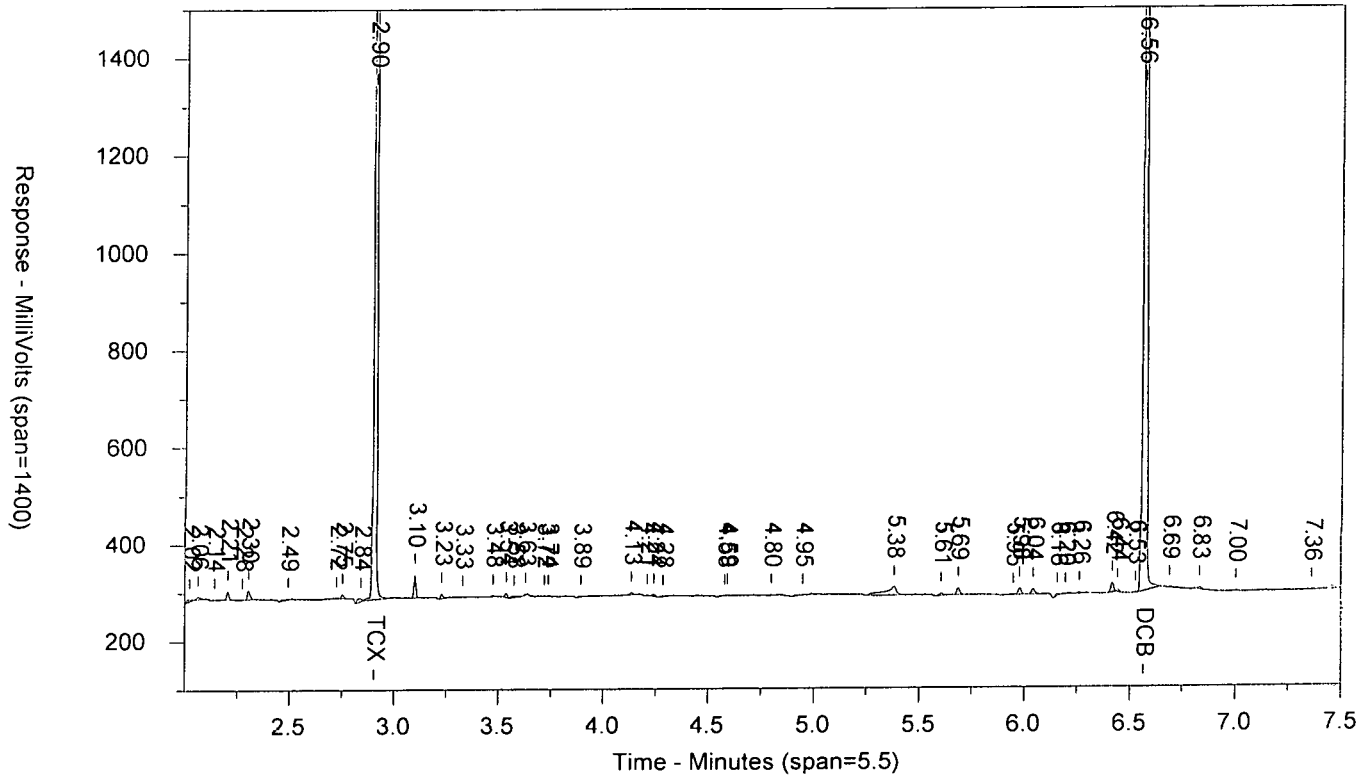

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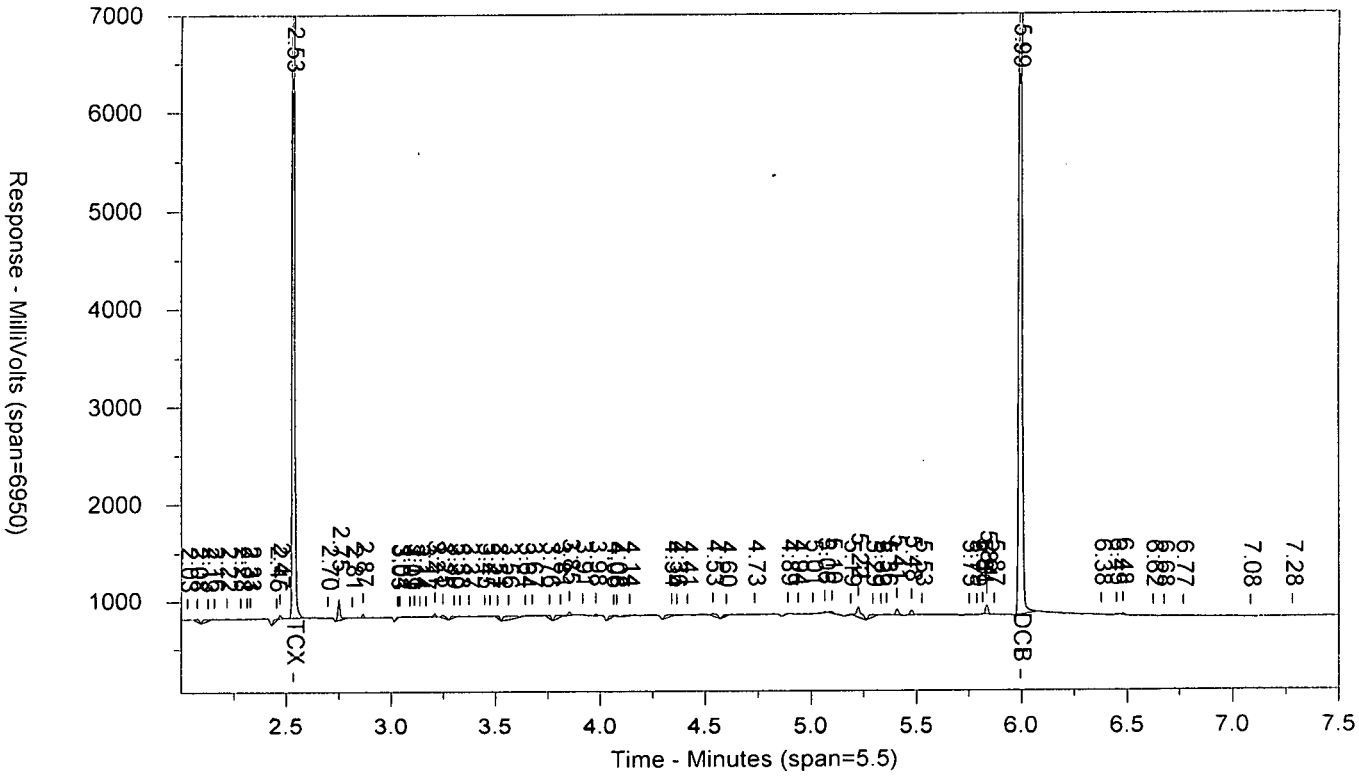

LANCASTER LABORATORIES

Sample Number: IBLKX1724B NOPIBLKNO PIBLK1727799999 10736 SW-846 8082
Injected On: 10/6/2017 7:18:35 AM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	3991742	.204	TCX	2.532	11401060	.193	TCX
6.564	2679753	.199	DCB	5.994	9350034	.183	DCB

Files:
Area File: 20PCBS17278001.051.RAW
Area File: 20PCBS17278001B.051.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727801.CAL
Calibration File B: 20pcbs1727801b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/6/2017 7:27:18 AM
File Reported On: 10/6/2017 at 7:27:28 AM

IBLKX1724B NOPIBLKNO PIBLK1727799999 10736 SW-846 8082

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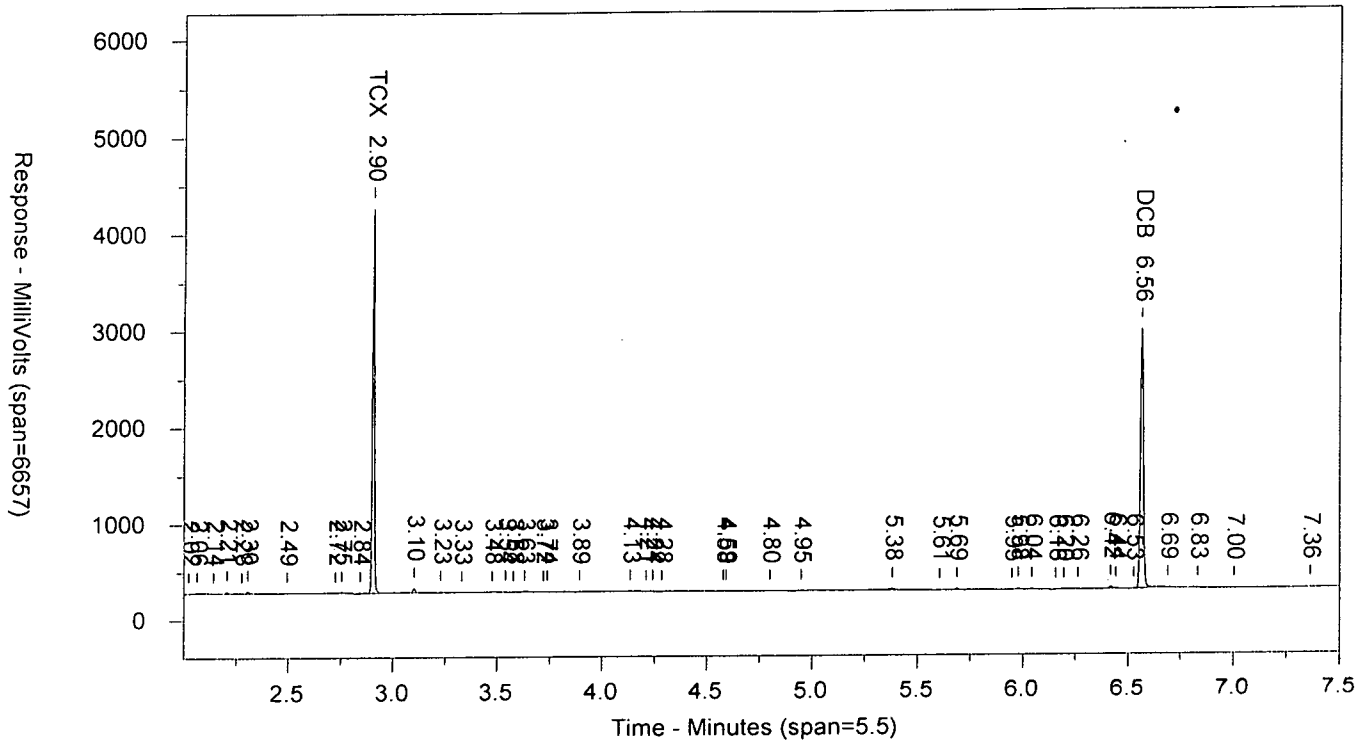

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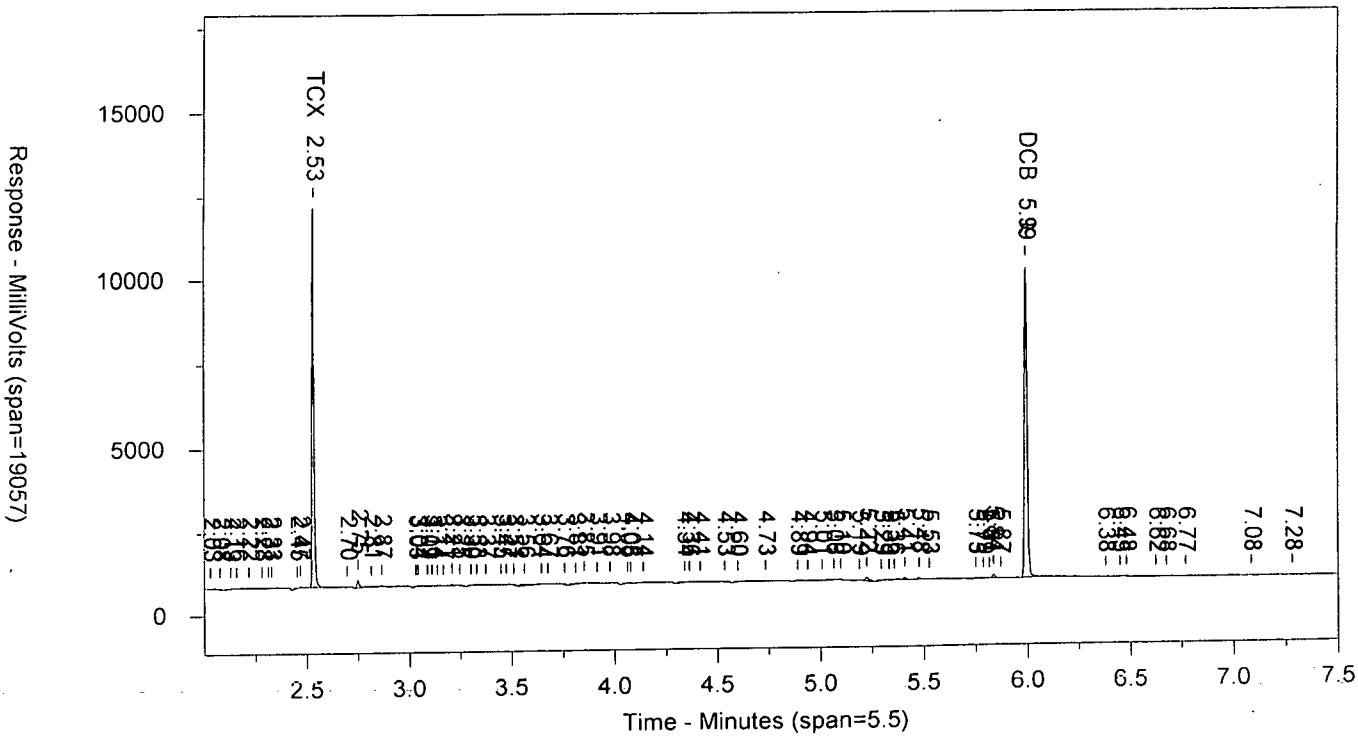

IBLKX1724B NOPIBLKNO PIBLK1727799999 10736 SW-846 8082

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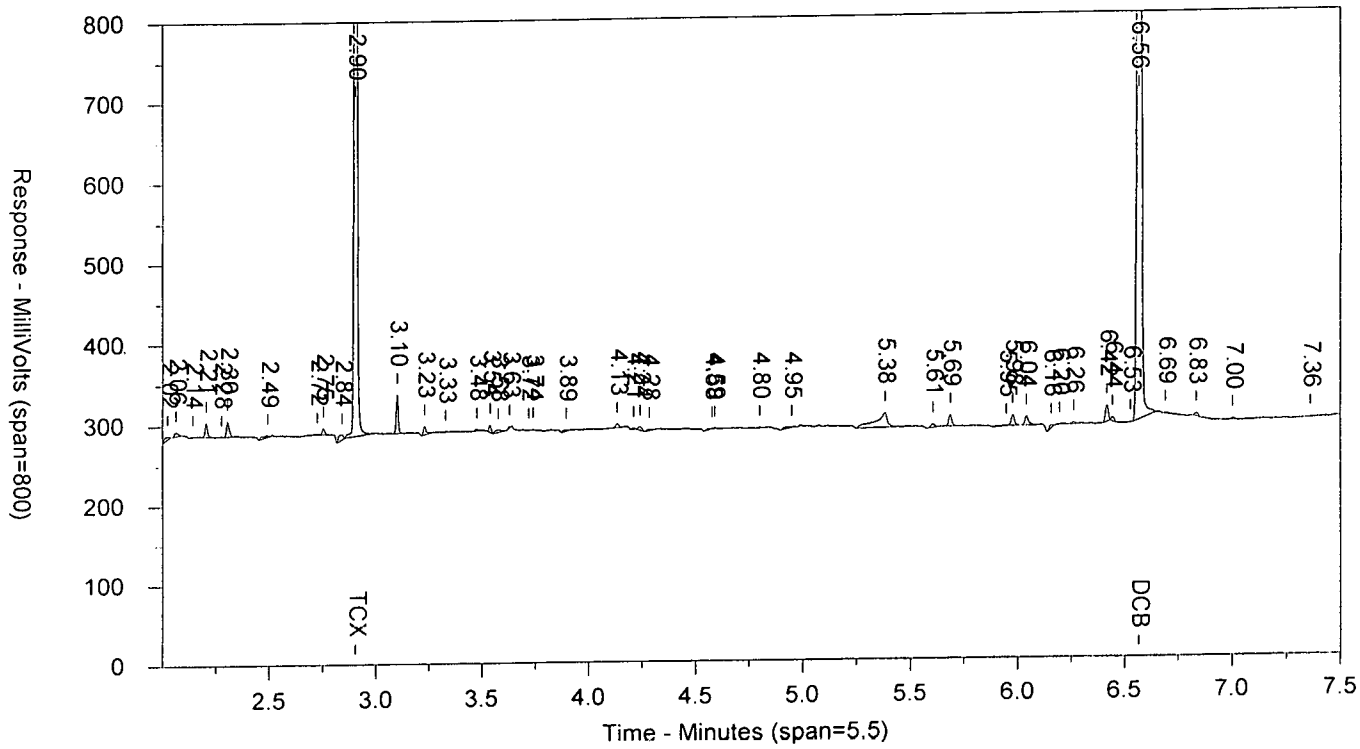

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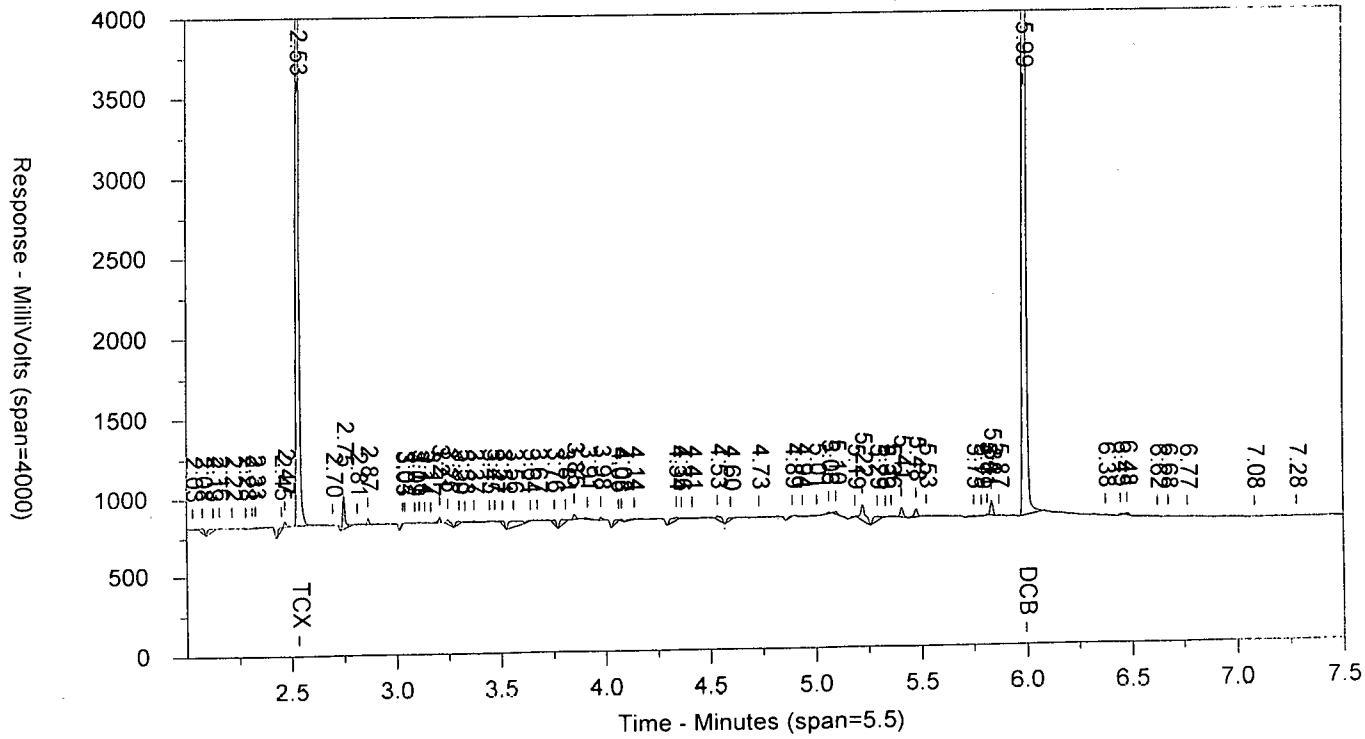

LANCASTER LABORATORIES

Sample Number: AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:29:24 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.055.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.037		14022	13482
2.089		16595	32054
2.204		356	132
2.232		25956	20947
2.296		710	628
2.336		13222	14600
2.432		1031	759
2.491		9515	9629
2.533		1237	1131
2.57		8542	7357
2.652		719	664
2.691		460	522
2.713		454	286
2.747		2443	2476
2.779		20998	19916
2.843		1710	1488
2.897		6596	5319
2.932	TCX	6081197	4220747
3.029		1781	1226
3.078		109764	94028
3.133		130832	124465
3.182		491287	366471
3.26		8532	4472
3.275		54941	35360
3.317		1436	954
3.366		742	523
3.398		465493	282130
3.415		214526	115017
3.452		53829	30740
3.467		9750	3858
3.478		24581	11937
3.513		588610	465654
3.55		2136	1003
3.569		14477	8649
3.589		33630	21232
3.623		117620	69642
3.638		61892	31154
3.682		222189	130448
3.693		586791	306143
3.729		717692	552007
3.786		625359	471287
3.827		47603	33433
3.855		378301	289649
3.883		320542	484780
3.93		5061	2889
3.978		412939	309264
4.002		139484	89741
4.033		166920	120172
4.066		451289	466664
4.106		149949	122088
4.153		21064	18853
4.192		28932	18922
4.226		399211	289460
4.243		63794	33417

RT A	Compound A	Height A	Area A
4.268		118445	96527
4.338		66323	56328
4.381		447361	451428
4.415		20590	15735
4.474		11531	9385
4.515		145112	146398
4.568		66521	44607
4.585		92327	67245
4.629		280381	260614
4.678		402275	452185
4.715		102398	69913
4.754		958760	912359
4.797		26708	23516
4.839		169062	176096
4.874		53117	39229
4.9		163349	148754
4.952		1109536	1471058
5.003		227647	216775
5.042		547525	607925
5.085		9070	4518
5.12		139649	170121
5.155		1377928	1449258
5.196		23037	12431
5.222		653469	628273
5.265		421905	418857
5.327		3166	3617
5.359		189017	151697
5.385		701100	658797
5.44		379008	359941
5.479		221461	229529
5.52		79832	82906
5.563		252209	285359
5.62		1915260	2117038
5.713		1924	2295
5.77		813	648
5.823		1162790	1122464
5.854		70345	46079
5.879		271436	307043
5.92		673	379
5.959		5041	6417
6.016		100655	101705
6.094		260291	407041
6.173		503	443
6.202		976	1046
6.25		516731	529974
6.294		36088	34336
6.348		516	308
6.385		756	809
6.42		816	386
6.453		181908	185236
6.515		4332	6222
6.602	DCB	4231522	4293415
6.772		2832	4600
6.81		530	374
6.843		682	724
6.858		795	249
6.887		5870	10822
6.947		822	230
6.985		897	692

LANCASTER LABORATORIES

Sample Number: AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:29:24 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.055.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		803	348
2.054		19314	13949
2.189		4557	4918
2.234		2696	3314
2.3		16755	12166
2.41		2479	2977
2.467		4207	21033
2.547		37923	27882
2.572		2682	1571
2.614	TCX	11012350	6468078
2.658		87642	63719
2.703		2170	2858
2.785		226744	159578
2.832		97680	47653
2.846		150653	77948
2.898		885722	559475
2.948		24913	14254
3.009		125337	81241
3.059		477	373
3.076		1295	246
3.088		501	183
3.105		692860	350389
3.116		261533	100100
3.156		139438	84018
3.178		86020	48525
3.203		95102	52646
3.227		1092935	725252
3.264		82663	48120
3.292		30805	14848
3.31		282009	145906
3.326		154573	75720
3.35		3452	2398
3.376		527983	273262
3.386		1257760	529439
3.406		50682	18297
3.42		1185719	783113
3.494		1217234	776754
3.53		841402	525731
3.553		994053	555839
3.571		265380	137594
3.588		10620	4214
3.632		1062	674
3.638		432	85
3.657		1081630	703717
3.68		412687	224068
3.701		386999	235278
3.73		302438	162464
3.747		872934	517002
3.788		346626	245898
3.833		111524	99755
3.857		227322	140429
3.879		1079127	727081
3.904		242921	142820
3.923		45383	21761

RT B	Compound B	Height B	Area B
3.943		140606	90421
3.978		964470	670911
4.011		60740	37371
4.026		100764	55600
4.09		13430	15397
4.112		227775	229679
4.153		36873	23157
4.178		270003	190444
4.22		278032	168559
4.238		205401	104968
4.251		649073	375858
4.277		375272	393819
4.329		2228410	1709094
4.369		63033	57045
4.398		191008	128555
4.422		463824	367389
4.464		2581592	1929832
4.566		2092592	1980266
4.619		297065	241013
4.658		604416	536144
4.694		2303222	1928869
4.725		1274170	893087
4.764		896503	675513
4.832		2487	3451
4.862		271770	195953
4.88		33945	16957
4.913		1602554	1275501
4.937		222120	143472
4.987		777560	709781
5.022		416485	326201
5.053		335917	296596
5.085		102593	61646
5.106		3909325	3165380
5.147		75048	56605
5.178		253153	211776
5.257		3621	4121
5.297		43344	28546
5.32		827614	661947
5.364		2755224	2900656
5.465		2105	1136
5.485		1931	1290
5.519		211907	184639
5.565		60984	40066
5.587		243417	185776
5.636		558294	490937
5.681		1098	843
5.742		1341000	1095061
5.774		82267	59538
5.839		2375	2195
5.851		1106	280
5.871		1567	1005
5.91		2243	2977
5.941		515438	420809
5.972		2572	1763
5.995		1917	852
6.021		1039	406
6.056		4203	3718
6.099	DCB	13166140	11036080
6.165		14787	20673
6.24		2140	4704
6.253		1635	751
6.278		4882	4655
6.333		1380	781
6.367		1405	2055
6.41		1679	541
6.437		2738	3254

RT B	Compound B	Height B	Area B
6.508		3697	9009
6.55		14572	12507
6.622		1986	4624
6.657		1292	475
6.677		1214	906
6.699		1078	349
6.722		2846	2433
6.745		1325	554
6.785		1081	1520
6.81		1111	602
6.846		981	1230
6.892		1916	3667
6.962		1066	455

AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082

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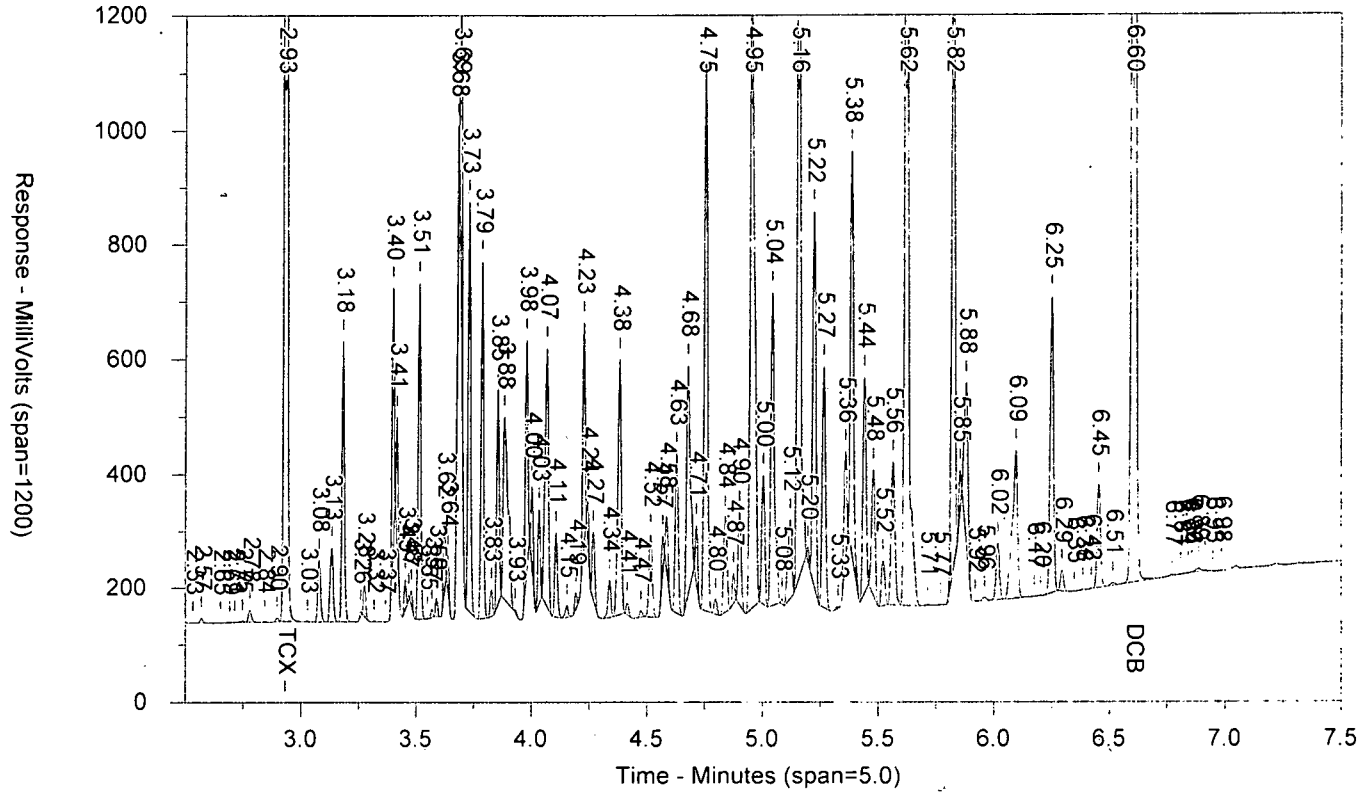

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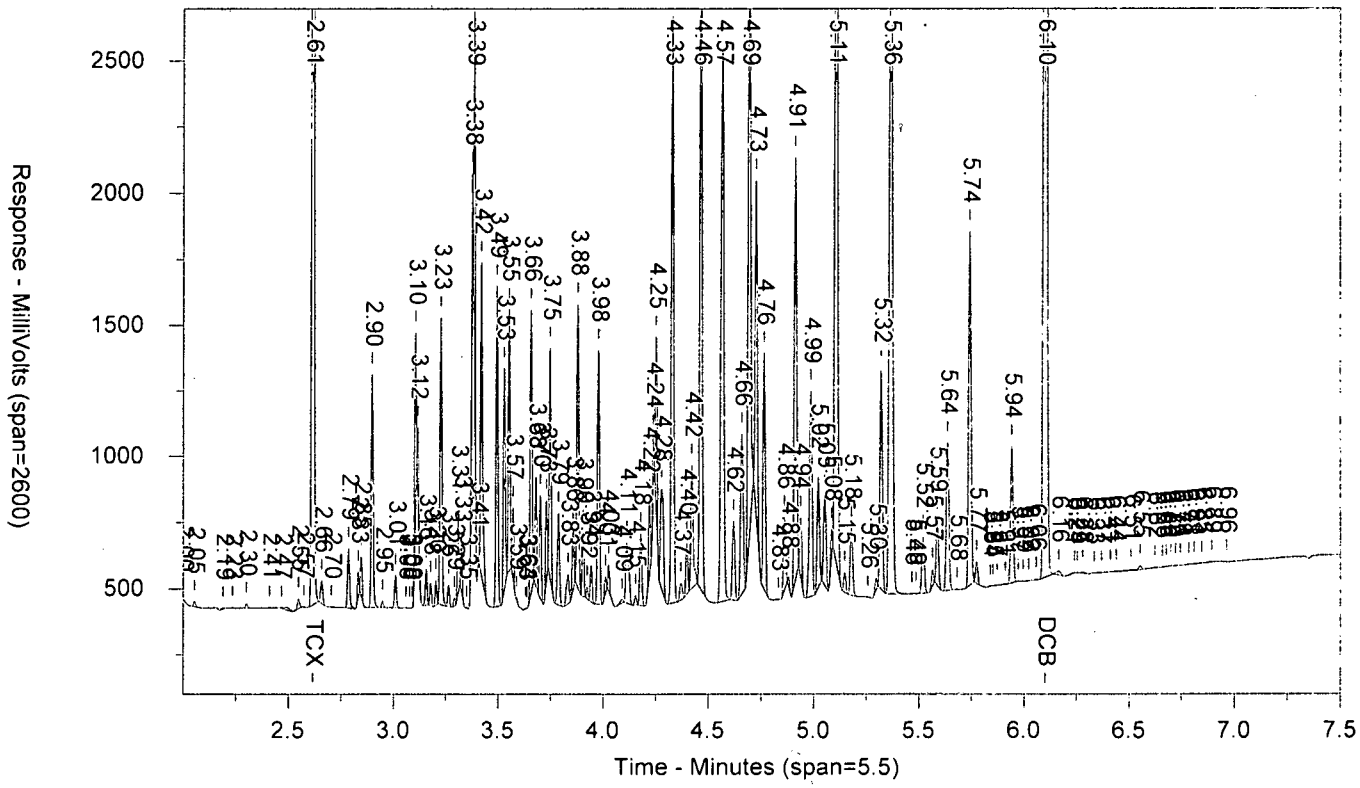

LANCASTER LABORATORIES

Sample Number: AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:29:24 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.932	6081197	40.307	TCX	2.614	11012350	40.422	TCX
6.602	4231522	43.899	DCB	6.099	13166140	43.491	DCB

Files:
Area File: 25PCBS17284001.055.RAW
Area File: 25PCBS17284001B.055.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:27 PM
File Reported On: 10/12/2017 at 4:32:43 PM

AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082

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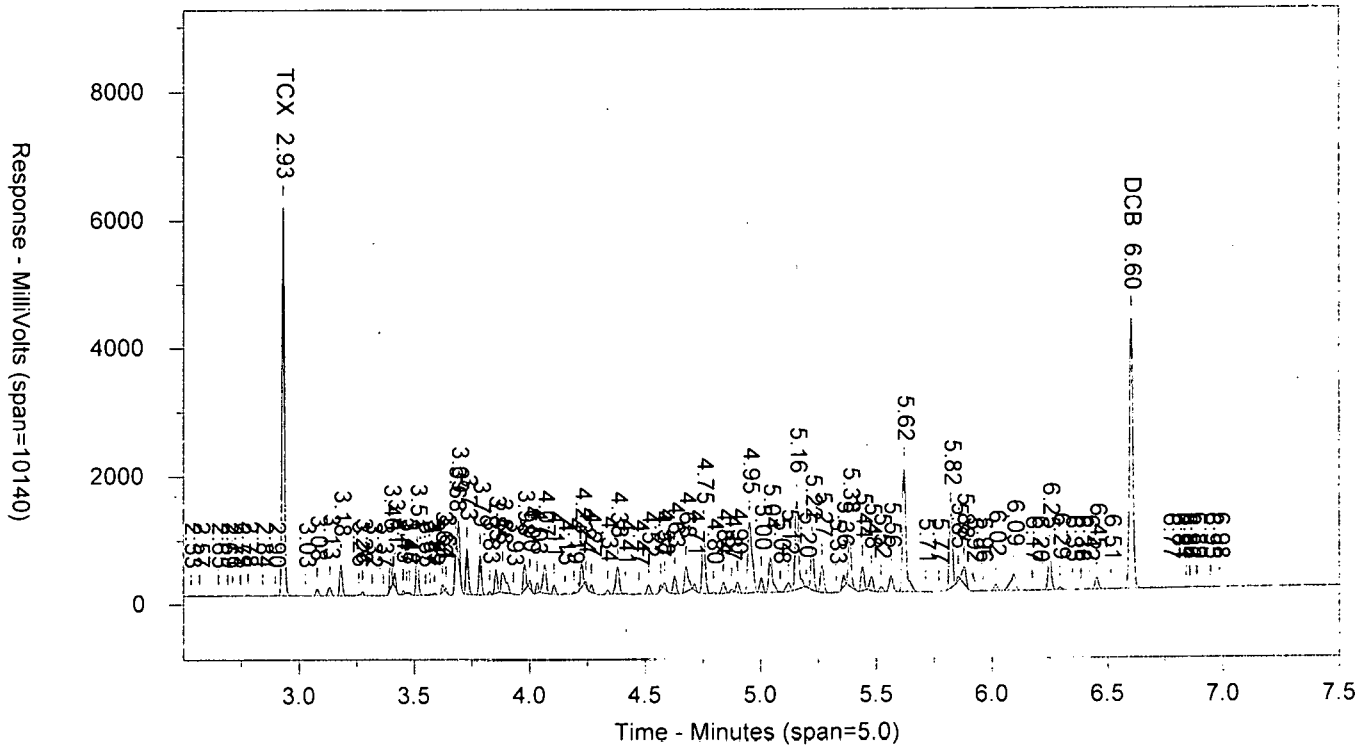

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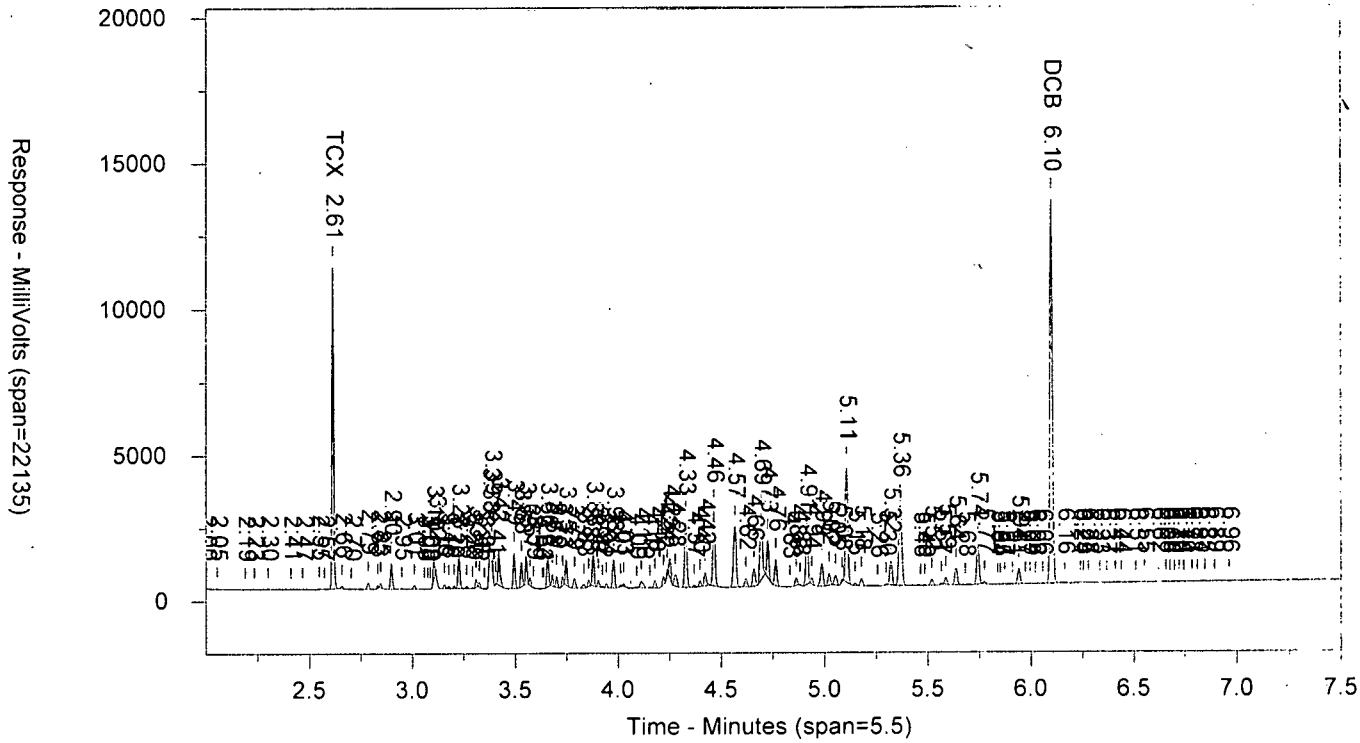

AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082

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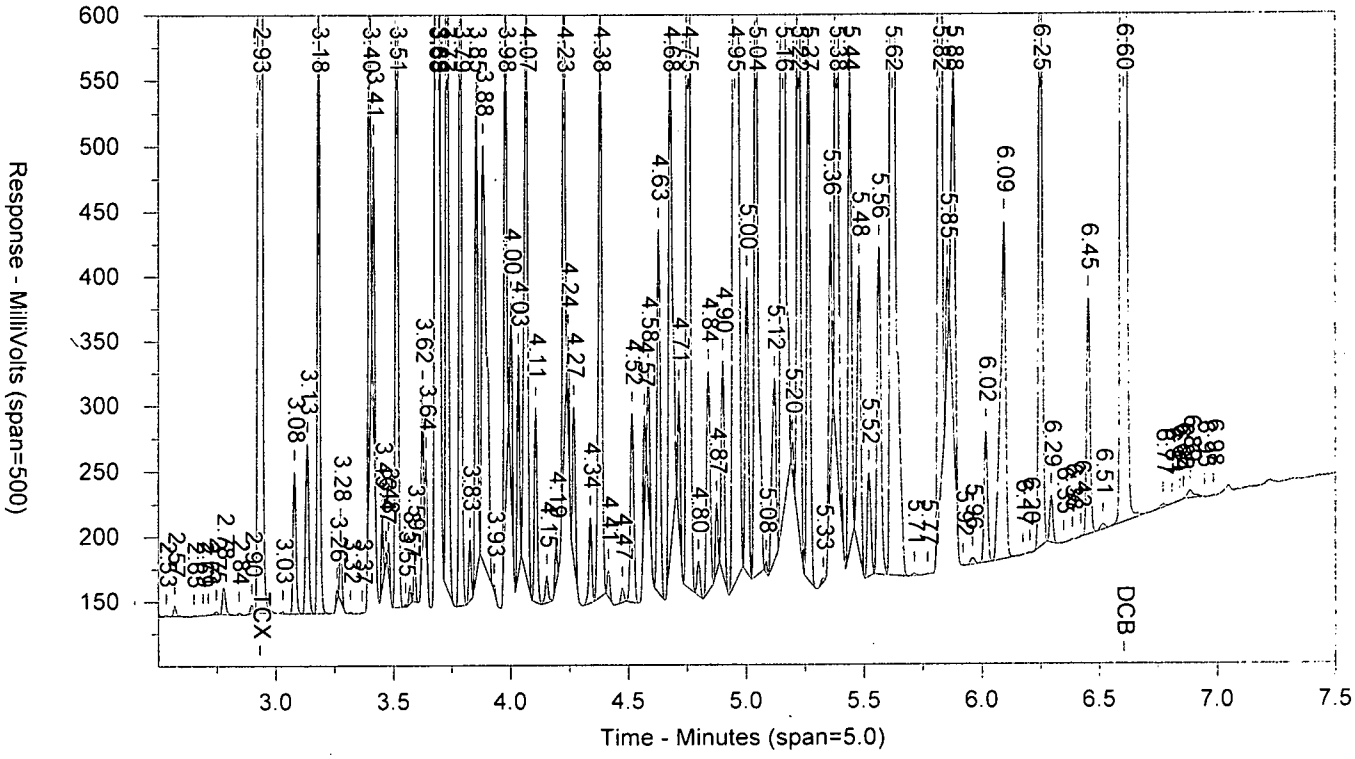

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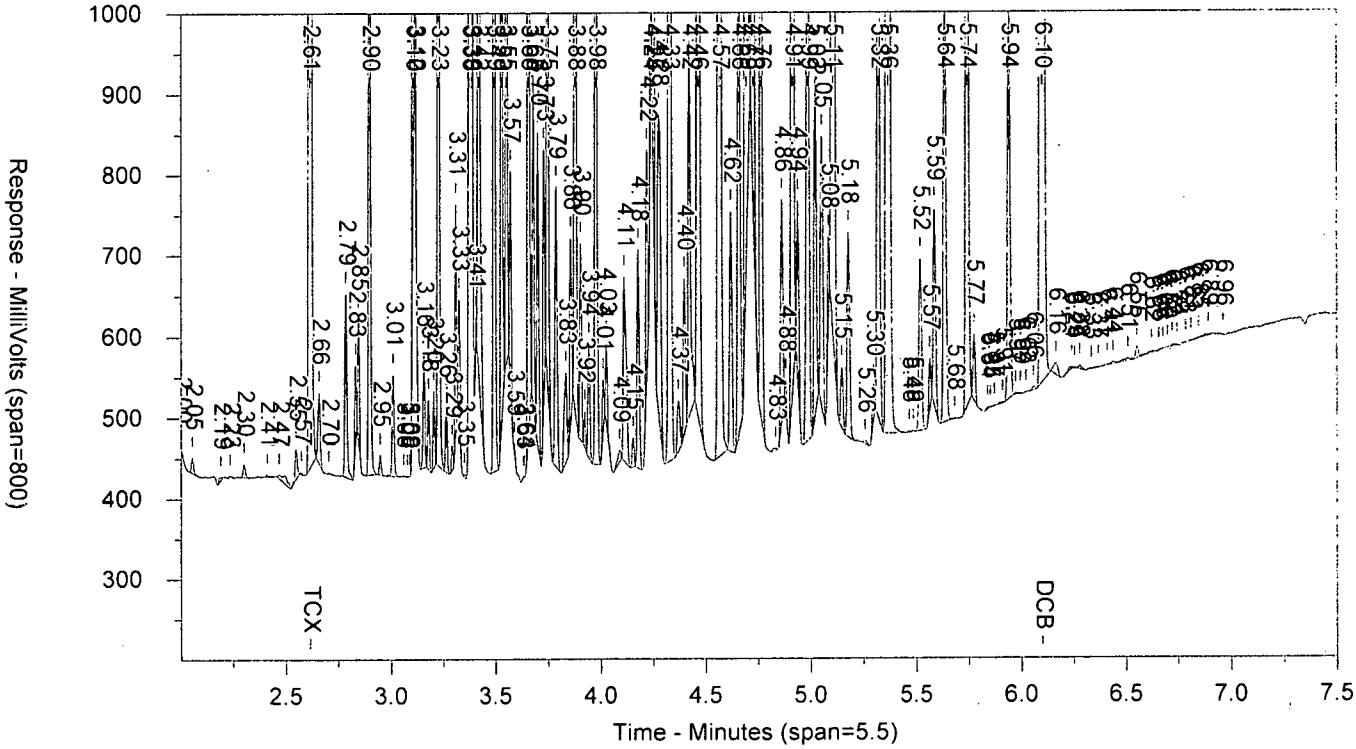


LANCASTER LABORATORIES

Sample Number: IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:40:44 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.056.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.007		352	138
2.036		9844	9350
2.089		4867	9428
2.231		13146	11216
2.331		10120	10012
2.37		948	1335
2.491		7045	7212
2.531		1229	1766
2.65		828	769
2.683		269	132
2.747		2417	3228
2.777		4084	3871
2.851		2846	1763
2.896		4622	3608
2.93	TCX	2960382	2046798
3.028		1061	608
3.047		445	224
3.126		36984	25427
3.18		728	659
3.258		10571	11149
3.381		960	880
3.404		823	777
3.484		439	611
3.505		782	573
3.537		874	802
3.567		7957	5140
3.605		4566	4269
3.657		1046	814
3.677		790	431
3.729		1388	1003
3.778		968	967
3.808		659	1020
3.928		5791	6109
3.982		499	569
4.024		512	516
4.056		543	321
4.104		1197	1204
4.168		4264	4437
4.213		2153	2395
4.271		8009	12800
4.322		545	533
4.371		1856	2577
4.447		260	152
4.469		841	725
4.514		2632	2610
4.567		6149	5737
4.612		5950	7527
4.677		265	356
4.708		1675	2406
4.795		832	743
4.838		1242	1192
4.873		23818	24101
4.969		6352	8178
4.999		811	616

RT A	Compound A	Height A	Area A
5.041		275	432
5.058		2430	2381
5.113		27480	27619
5.153		472	249
5.195		1577	1739
5.233		428	311
5.268		499	508
5.325		6047	8316
5.36		583	436
5.385		625	422
5.399		625	416
5.441		531	483
5.475		2495	3556
5.517		22550	23101
5.568		298	203
5.597		452	196
5.642		40408	45156
5.72		1290	1087
5.759		577	379
5.78		407	288
5.825		1860	2084
5.867		1477	1443
5.888		614	218
5.916		396	316
5.958		4944	7279
6.012		41649	40995
6.077		56222	68674
6.211		471	766
6.244		4183	6120
6.288		1854	2489
6.35		449	81
6.363		524	199
6.378		908	507
6.412		536	131
6.45		25353	28562
6.51		4113	5452
6.557		585	147
6.6	DCB	2048786	2101776
6.707		675	783
6.774		1540	2560
6.811		590	330
6.826		1041	516
6.881		5808	10077
6.976		882	359

LANCASTER LABORATORIES

Sample Number: IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:40:44 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.056.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

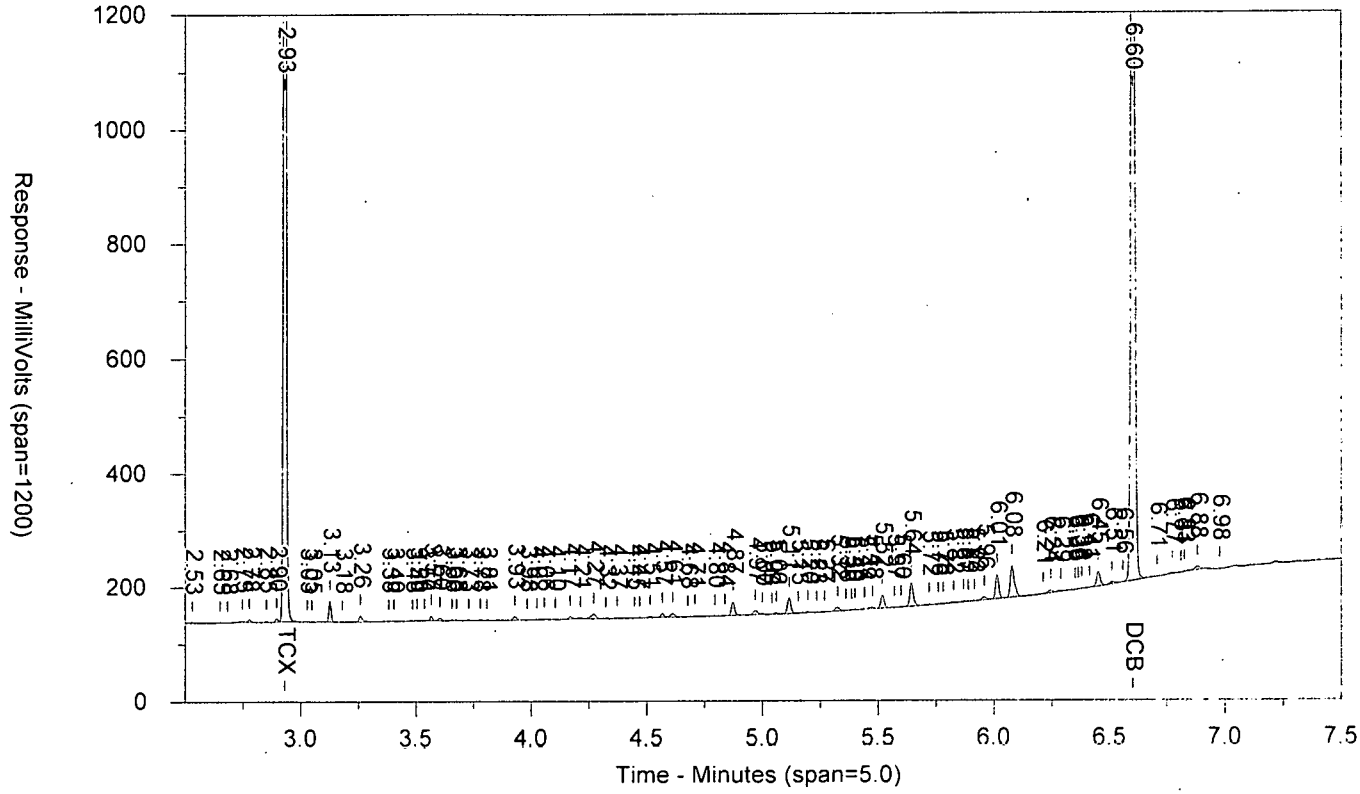
RT B	Compound B	Height B	Area B
2.055		10933	10760
2.101		1104	614
2.156		5058	7384
2.237		4758	22802
2.343		1362	672
2.41		3033	3490
2.466		2986	2247
2.547		24986	49084
2.614	TCX	5234323	3155031
2.78		1725	1350
2.832		76078	47859
2.9		2401	3864
2.948		12702	7537
2.99		2547	2041
3.077		453	71
3.089		1571	854
3.122		660	1238
3.128		1002	696
3.16		542	171
3.169		629	87
3.177		630	235
3.182		774	373
3.197		956	172
3.204		917	192
3.23		1439	716
3.241		406	80
3.248		900	454
3.291		19192	11405
3.308		569	85
3.316		747	208
3.328		2973	1898
3.354		1699	624
3.379		5866	6251
3.411		751	128
3.427		732	443
3.438		723	100
3.451		1294	568
3.472		603	166
3.486		547	82
3.492		912	198
3.497		1085	212
3.511		718	186
3.526		839	228
3.536		959	439
3.557		732	138
3.57		1098	351
3.583		758	201
3.591		1322	3061
3.635		1572	1595
3.64		925	152
3.647		782	136
3.652		717	169
3.659		914	134
3.666		686	194

RT B	Compound B	Height B	Area B
3.678		1153	404
3.689		917	241
3.703		411	249
3.719		816	581
3.73		1572	726
3.748		1018	161
3.758		1722	950
3.781		450	89
3.833		4971	9761
3.882		6404	11172
3.946		10301	10019
3.986		1067	720
4.024		4098	3064
4.078		9737	8641
4.108		2759	3044
4.152		16268	14975
4.257		1381	5529
4.332		2824	2195
4.367		1689	1668
4.437		52084	51260
4.538		645	108
4.566		5288	8372
4.62		6173	4978
4.664		61305	51024
4.725		912	4308
4.738		2734	2104
4.762		1181	761
4.807		653	359
4.837		1544	1423
4.882		843	557
4.913		3519	3461
4.942		1508	1160
4.974		5854	4456
5.019		2516	2371
5.036		1464	501
5.056		40156	31535
5.141		804	1127
5.178		68456	59235
5.254		3488	7668
5.303		1687	3121
5.32		1756	1350
5.344		802	474
5.369		3146	2658
5.411		1017	511
5.429		898	335
5.469		1902	2102
5.518		88844	82587
5.587		115852	106643
5.635		32102	26536
5.689		1146	1726
5.746		942	402
5.802		3039	5393
5.88		1527	8862
5.909		1587	1405
5.94		73068	60166
5.983		818	1118
5.991		1663	1096
6.023		1618	1511
6.039		1170	262
6.057		3486	2883
6.099	DCB	6245401	5383404
6.16		12845	21215
6.235		2176	4033
6.286		1959	1233
6.374		1100	1585
6.385		1232	484

RT B	Compound B	Height B	Area B
6.426		1397	1064
6.448		1371	1489
6.467		1890	496
6.481		2164	940
6.511		2361	3177
6.55		7168	6185
6.59		977	306
6.645		1113	2902
6.708		1138	4869
6.723		1600	1920
6.781		1059	1263
6.811		1141	1423
6.862		1376	2896
6.879		1979	1946
6.904		1123	410
6.942		849	340
6.955		1026	540

IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.056.RAW



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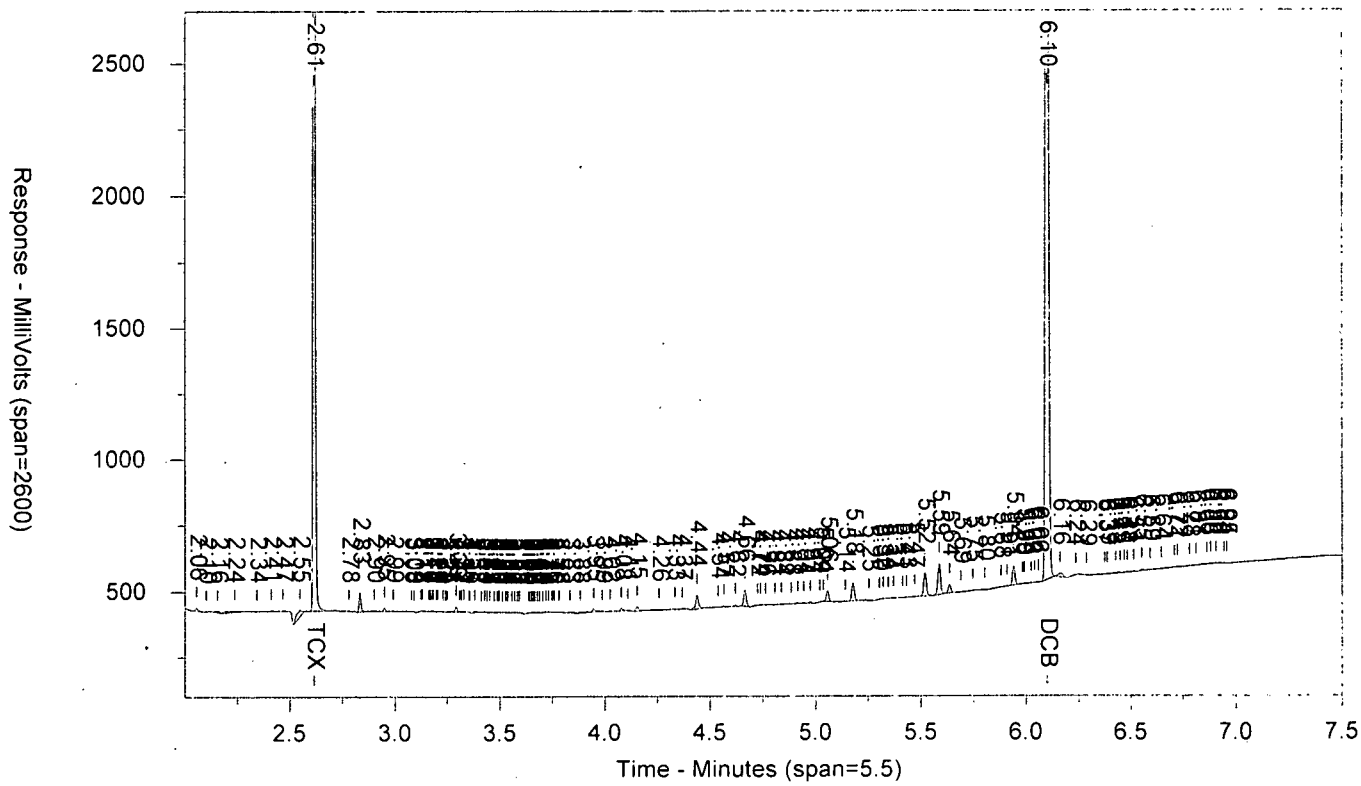

LANCASTER LABORATORIES

Sample Number: IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:40:44 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2960382	.196	TCX	2.614	5234323	.192	TCX
6.6	2048786	.213	DCB	6.099	6245401	.206	DCB

Files:
Area File: 25PCBS17284001.056.RAW
Area File: 25PCBS17284001B.056.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:28 PM
File Reported On: 10/12/2017 at 4:32:57 PM

IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082

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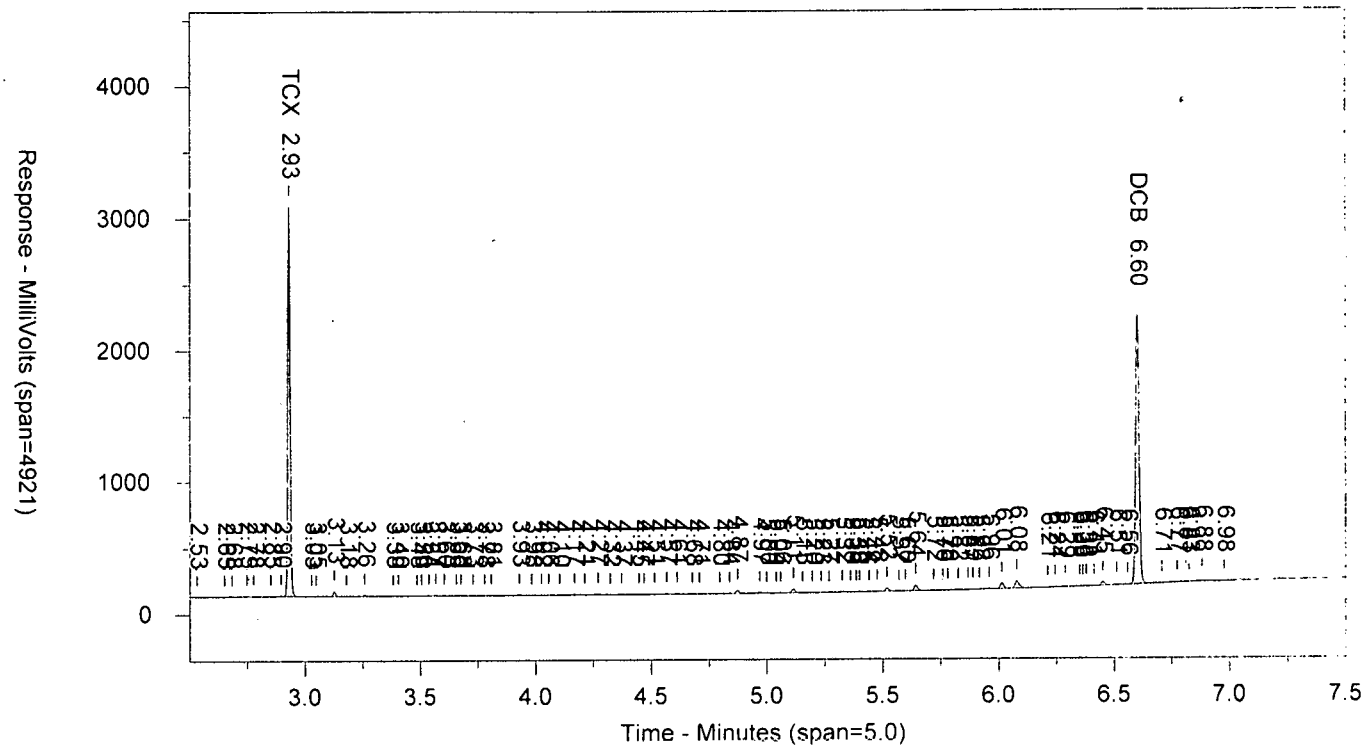

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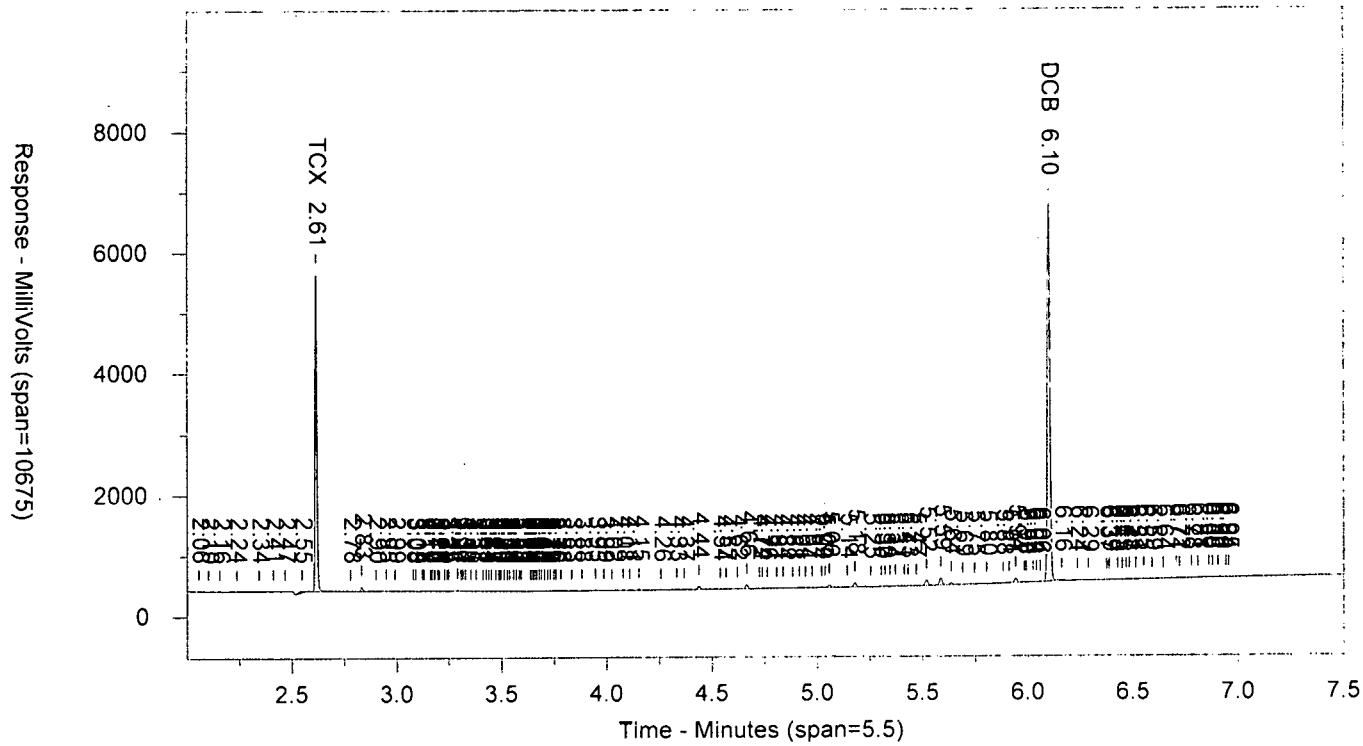

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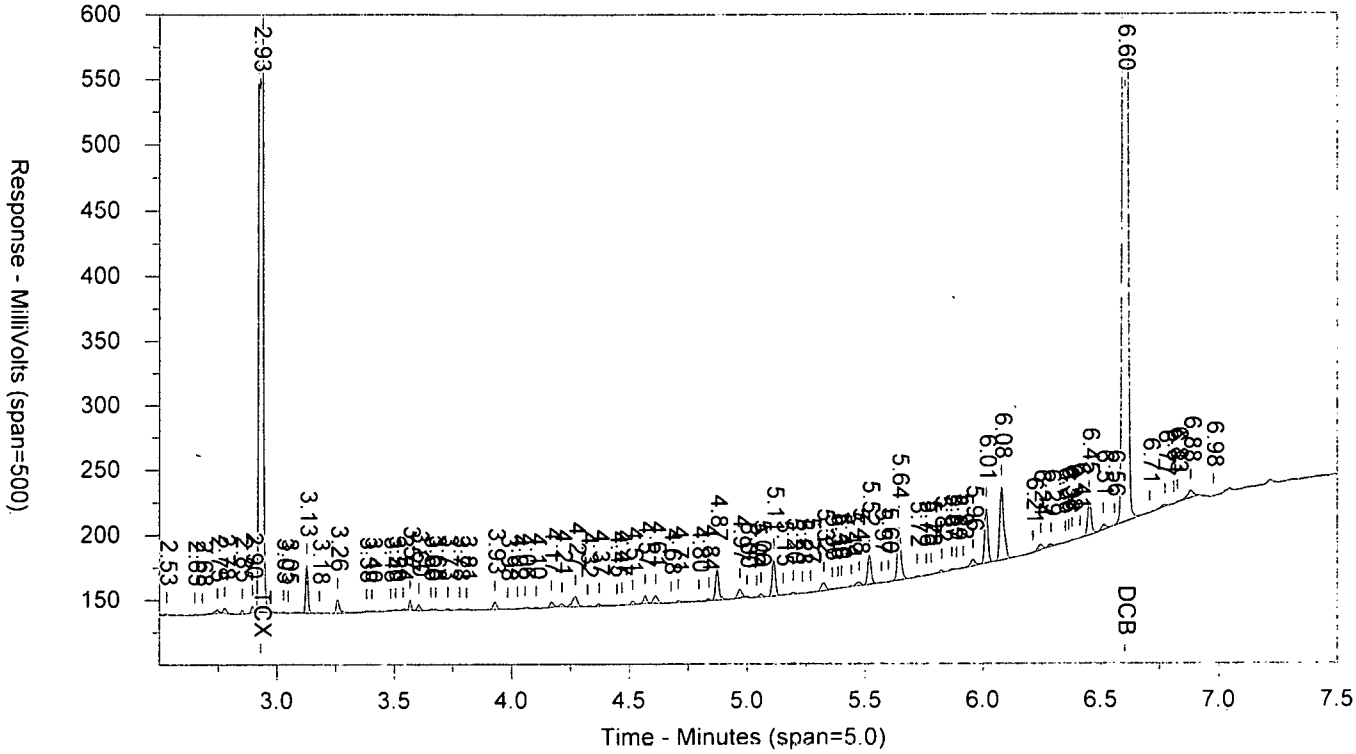

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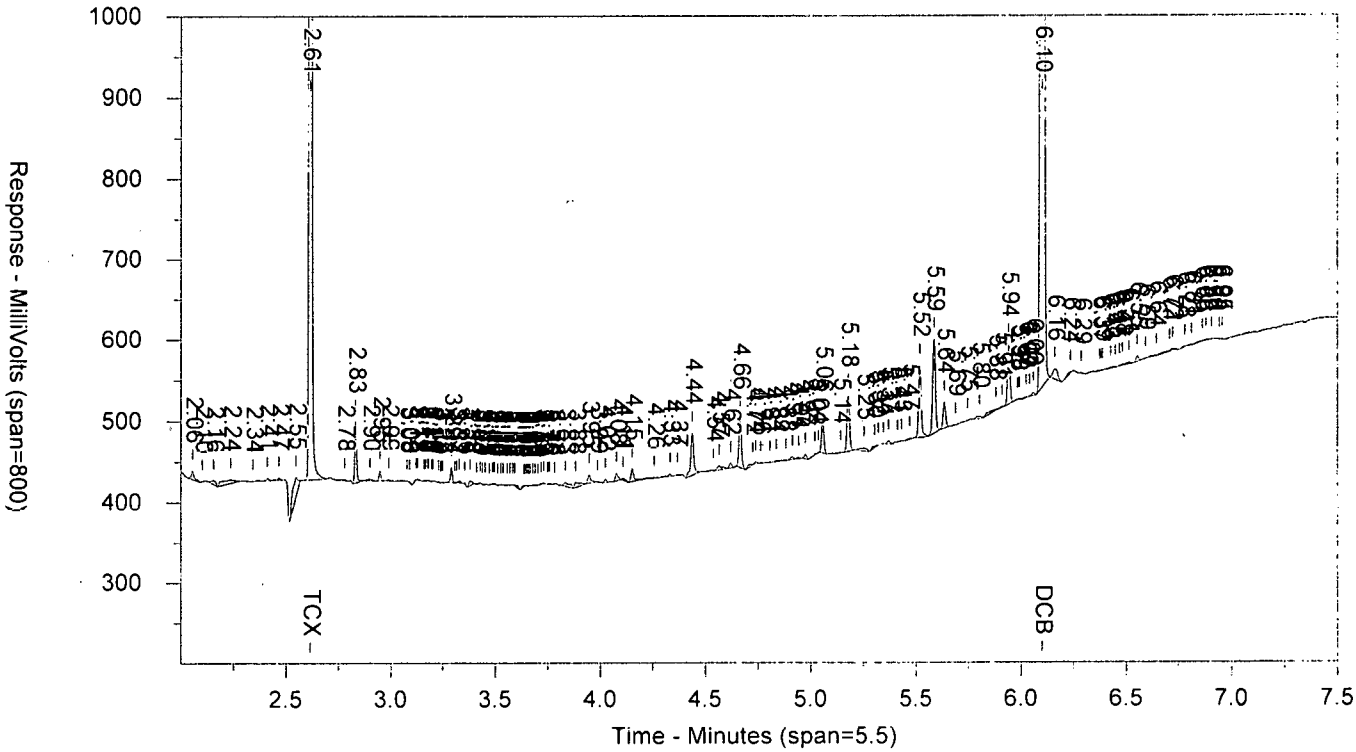

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 10/3/17 ACF PBLK09276 BLK Sample ID: AB **Batchnumber:** 172760009A
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 09:44:32
Instrument	17342A
Result file	20PCBS17275004.057.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 96% (61 - 152) Conc: 29.35093
%SSR(DCB) 94% (48 - 164) Conc: 25.51217

Analysis Report (B)

Injected on	Oct 05, 2017 09:44:32
Instrument	17342B
Result file	20PCBS17275004B.057.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 80% (61 - 152) Conc: 24.44705
%SSR(DCB) 91% (48 - 164) Conc: 24.62726

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	5601224	29.35093	Tetrachloro-m-xylene	2.50	2.53	2.56	16442980	24.44705
Decachlorobiphenyl	6.55	6.56	6.61	3269088	25.51217	Decachlorobiphenyl	5.97	6.00	6.03	11589400	24.62726

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	29.35093				18.23	
Tetrachloro-m-xylene-D1	A	29.35093					
Tetrachloro-m-xylene-D2	B	24.44705					
Decachlorobiphenyl	A	25.51217				3.53	
Decachlorobiphenyl-D1	A	25.51217					
Decachlorobiphenyl-D2	B	24.62726					

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<9.9			4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260			<51	<11.7			4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs			<51	<9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

[redacted]

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/3/17 ACF PBLK09276 ID: AB **Batchnumber: 172760009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

PD 1571 1260 BOSS PD3

Analysis Report (A)

Injected on : Oct 05, 2017 09:44:32
Instrument : CP20--17342A
Result file : 20PCBS17275004.057.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 96% (61-152) Conc.: 29.35093
%SSR(DCB) : 94% (48-164) Conc.: 25.51217

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	52.57	
3.14	3.17	3.18	2927.517	0.97721			1
+ 3.36	3.36	3.40	1052.04	0.328142			2
3.36	3.37	3.40	1694.838	0.528638			2
3.47	3.50	3.51	2435.63	0.649621			3
3.74	3.76	3.78	6085.293	1.647134			5
3.93	3.94	3.97	5411.692	1.861721			6
Height Summation:			18554.97				
Amount Avg CF:			1.132865	Linear:			
Aroclor-1221					3	163.18	
3.04	3.06	3.08	2064.634	1.432109			1
3.09	3.10	3.13	68707.88	53.565516			2
3.14	3.17	3.18	2927.517	0.721193			3
Height Summation:			73700.031				
Amount Avg CF:			18.572939	Linear:			
Aroclor-1232					5	63.31	
3.14	3.17	3.18	2927.517	0.836687			1
+ 3.36	3.36	3.40	1052.04	0.752975			2
3.36	3.37	3.40	1694.838	1.213043			2
3.47	3.50	3.51	2435.63	1.450477			3
3.74	3.76	3.78	6085.293	3.796731			5
3.93	3.94	3.97	5411.692	3.376458			6
Height Summation:			18554.97				
Amount Avg CF:			2.134679	Linear:			
Aroclor-1242					6	60.87	
3.14	3.17	3.18	2927.517	0.697137			1
+ 3.35	3.36	3.39	1052.04	0.238418			2
3.35	3.37	3.39	1694.838	0.384092			2
3.47	3.50	3.51	2435.63	0.46577			3
3.68	3.68	3.72	12160	1.985703			4
3.74	3.76	3.78	6085.293	1.14526			5
3.93	3.94	3.97	5411.692	1.321315			6
Height Summation:			30714.97				
Amount Avg CF:			0.99988	Linear:			
Aroclor-1248					5	60.81	
3.74	3.76	3.78	6085.293	2.782056			2
3.81	3.82	3.85	2619.837	0.683888			3
+ 3.81	3.85	3.85	2129.44	0.555873			3
3.93	3.94	3.97	5411.692	1.24881			4
4.02	4.05	4.06	2414.893	0.711213			5
4.20	4.23	4.24	5552.728	1.707513			6
Height Summation:			22084.443				
Amount Avg CF:			1.426696	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 09:44:32
Instrument : CP20--17342B
Result file : 20PCBS17275004B.057.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 80% (61-152) Conc.: 24.44705
%SSR(DCB) : 91% (48-164) Conc.: 24.62726

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	206.37	
2.80	2.82	2.84	7868.165	0.672456			1
+ 3.13	3.13	3.17	6290.632	0.422399			2
+ 3.13	3.14	3.17	3214.384	0.215837			2
3.13	3.16	3.17	461625.6	30.996879			2
3.32	3.33	3.36	12218.33	0.930688			3
3.39	3.40	3.43	10285.04	0.69303			4
3.45	3.47	3.49	12586.46	1.118503			5
+ 3.55	3.57	3.59	11751.55	0.89228			6
3.55	3.59	3.59	16778.93	1.274003			6
Height Summation:			521362.525				
Amount Avg CF:			5.947593	Linear:			
Aroclor-1221					3	162.12	
2.69	2.70	2.73	16043.1	2.383003			1
+ 2.69	2.73	2.73	6472.534	0.961414			1
2.75	2.75	2.79	270577.1	64.855893			2
+ 2.75	2.78	2.79	9373.148	2.246694			2
2.80	2.82	2.84	7868.165	0.522664			3
Height Summation:			294488.365				
Amount Avg CF:			22.587187	Linear:			
Aroclor-1232					6	206.36	
2.80	2.82	2.84	7868.165	0.605716			1
+ 3.13	3.13	3.17	6290.632	0.895204			2
+ 3.13	3.14	3.17	3214.384	0.457431			2
3.13	3.16	3.17	461625.6	65.692763			2
3.32	3.33	3.36	12218.33	1.97898			3
3.39	3.40	3.43	10285.04	1.559095			4
3.45	3.47	3.49	12586.46	2.744888			5
+ 3.55	3.57	3.59	11751.55	2.152988			6
3.55	3.59	3.59	16778.93	3.074049			6
Height Summation:			521362.525				
Amount Avg CF:			12.609249	Linear:			
Aroclor-1242					6	199.94	
2.80	2.82	2.84	7868.165	0.51063			1
+ 3.13	3.13	3.17	6290.632	0.329849			2
+ 3.13	3.14	3.17	3214.384	0.168546			2
3.13	3.16	3.17	461625.6	24.205346			2
3.32	3.33	3.36	12218.33	0.698336			3
3.39	3.40	3.43	10285.04	0.526407			4
3.45	3.45	3.49	24820.65	1.68633			5
+ 3.45	3.47	3.49	12586.46	0.855132			5
+ 3.55	3.57	3.59	11751.55	0.685553			6
3.55	3.59	3.59	16778.93	0.978836			6
Height Summation:			533596.715				
Amount Avg CF:			4.767647	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/3/17 ACF PBLK09276 ID: AB **Batchnumber: 172760009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 09:44:32
Instrument : CP20--17342A
Result file : 20PCBS17275004.057.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	43.02	
4.52	4.53	4.56	7787.142	2.000481			1
4.58	4.59	4.62	20510.99	2.618166			2
4.70	4.71	4.74	5840.572	2.285811			3
4.79	4.80	4.83	25390.92	5.838558			4
4.98	5.00	5.02	14657.03	4.729266			5
5.10	5.12	5.14	25185.04	4.630543			6
Height Summation:			**99371.694**				
Amount Avg CF:			**3.683804**	Linear:			
Aroclor-1260					5	50.14	
4.70	4.71	4.74	5840.572	0.94787			1
4.90	4.91	4.94	17747.29	2.600468			2
5.11	5.12	5.15	25185.04	3.055415			3
5.57	5.58	5.61	11926.55	1.150687			5
5.78	5.79	5.82	10059.42	1.497192			6
Height Summation:			**70758.872**				
Amount Avg CF:			**1.850326**	Linear:			
Aroclor-1262					5	35.29	
5.17	5.19	5.21	7984.635	1.073674			1
5.57	5.58	5.61	11926.55	0.913631			3
5.78	5.79	5.82	10059.42	1.109772			4
5.83	5.85	5.87	2273.855	0.513237			5
6.20	6.21	6.24	7590.676	1.514134			6
Height Summation:			**39835.136**				
Amount Avg CF:			**1.02489**	Linear:			
Aroclor-1268					6	108.36	
5.77	5.79	5.81	10059.42	0.605973			1
5.83	5.85	5.87	2273.855	0.161539			2
5.96	5.98	6.00	14099.95	0.994884			3
6.03	6.04	6.07	12854.61	3.941869			4
6.20	6.21	6.24	7590.676	1.469384			5
6.40	6.42	6.44	22049.91	0.478753			6
+ 6.40	6.44	6.44	3739.98	0.081203			6
Height Summation:			**68928.421**				
Amount Avg CF:			**1.2754**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 09:44:32
Instrument : CP20--17342B
Result file : 20PCBS17275004B.057.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	49.57	
3.32	3.33	3.36	12218.33	2.159699			1
3.39	3.40	3.43	10285.04	1.142696			2
+ 3.43	3.44	3.47	6509.208	0.425231			3
3.43	3.45	3.47	24820.65	1.621474			3
+ 3.43	3.47	3.47	12586.46	0.822244			3
+ 3.55	3.57	3.59	11751.55	0.646712			4
3.55	3.59	3.59	16778.93	0.92338			4
3.64	3.65	3.68	41615.81	3.311867			5
+ 3.64	3.68	3.68	24720.28	1.967288			5
3.77	3.79	3.81	60393.52	3.207046			6
Height Summation:			**166112.28**				
Amount Avg CF:			**2.061027**	Linear:			
Aroclor-1254					6	41.40	
4.06	4.08	4.10	51506.62	3.177813			1
4.12	4.14	4.16	75496.11	2.917568			2
4.21	4.24	4.25	66793	4.807667			3
4.34	4.36	4.38	65677.1	7.048651			4
4.44	4.46	4.47	47266.12	5.190814			5
4.57	4.59	4.61	132912.4	8.521716			6
Height Summation:			**439651.35**				
Amount Avg CF:			**5.277371**	Linear:			
Aroclor-1260					6	66.09	
4.34	4.36	4.38	65677.1	2.72896			1
+ 4.34	4.38	4.38	15221.16	0.632457			1
4.44	4.46	4.48	47266.12	2.375124			2
4.57	4.59	4.61	132912.4	6.733882			3
4.78	4.82	4.82	35621.32	2.010251			4
4.98	4.99	5.01	51875.61	1.63244			5
5.24	5.25	5.28	41434.95	1.918098			6
Height Summation:			**374787.5**				
Amount Avg CF:			**2.899792**	Linear:			
Aroclor-1262					6	32.52	
4.60	4.62	4.64	13720.95	0.564089			1
4.78	4.82	4.82	35621.32	1.388148			2
4.98	4.99	5.01	51875.61	1.332307			3
+ 5.19	5.21	5.23	7179.579	0.389281			4
5.19	5.23	5.23	15716.74	0.852172			4
5.24	5.25	5.28	41434.95	1.451723			5
5.62	5.64	5.66	15369.37	0.956928			6
Height Summation:			**173738.94**				
Amount Avg CF:			**1.090894**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/3/17 ACF PBLK09276 ID: AB **Batchnumber: 172760009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 09:44:32
Instrument : CP20--17342A
Result file : 20PCBS17275004.057.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : Oct 05, 2017 09:44:32
Instrument : CP20--17342B
Result file : 20PCBS17275004B.057.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					6	78.51	
+ 5.19	5.21	5.23	7179.579	0.145209			1
5.19	5.23	5.23	15716.74	0.317874			1
5.24	5.25	5.28	41434.95	0.8941			2
5.39	5.41	5.43	58194.23	1.232638			3
5.46	5.48	5.50	37823.71	2.996423			4
5.62	5.64	5.66	15369.37	0.987479			5
5.82	5.84	5.86	105017.8	0.719957			6

Height Summation: **273556.8**
Amount Avg CF: **1.191412** 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		** 136.00	4	40	
Aroclor-1221			51	15.3		19.51	3	5	
Aroclor-1232			51	12.3		** 142.09	4	40	
Aroclor-1242			51	12.3		** 130.65	4	30	
Aroclor-1248			51	9.9		36.38	4	40	
Aroclor-1254			51	13.2		35.57	4	40	
Aroclor-1260			51	11.7		** 44.19	4	40	
Aroclor-1262			51	9.9		6.24	4	40	
Aroclor-1268			51	9.9		6.81	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/3/17 ACF ABPBLK09276 BLK 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 9:44:32 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.057.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.02		10050	7593
2.062		7308	5948
2.115		910280	633618
2.182		26969	27806
2.208		3491	1724
2.24		3123	1474
2.259		1632	1367
2.305		13600	12520
2.346		2124	1260
2.372		1268701	802116
2.417		15396	9892
2.465		12024	10061
2.483		35082	20669
2.52		13260	12900
2.553		814	548
2.57		7970	6164
2.643		1921	1009
2.68		16810	11036
2.722		302387	241341
2.759		2358	1879
2.786		3241	2068
2.85		29162	19983
2.904	TCX	5601224	3689452
2.964		4024	2382
3.027		2200	2708
3.059		2065	1537
3.1		68708	60150
3.134		3074	1704
3.172		2928	5569
3.205		2406	1522
3.23		11079	6017
3.259		5456	4223
3.285		2207	3725
3.359		1052	2811
3.375		1695	1885
3.441		20846	12592
3.458		10196	5741
3.502		2436	2990
3.526		7622	5978
3.562		83386	57245
3.602		2148	1292
3.627		94454	64124
3.649		3543	2285
3.683		12160	12306
3.729		2102	1307
3.763		6085	7098
3.824		2620	2109
3.847		2129	1394
3.861		2971	3491
3.897		4154	4349
3.941		5412	6640
4.001		3370	2924
4.055		2415	1455
4.076		2482	2081

RT A	Compound A	Height A	Area A
4.104		3411	2689
4.134		4451	4748
4.165		1609	1020
4.19		39147	64714
4.234		5553	5077
4.299		3714	4098
4.343		14223	14108
4.377		6098	4496
4.4		2525	1491
4.44		2788	3254
4.479		6169	5307
4.531		7787	6501
4.59		20511	19816
4.637		3400	3928
4.679		2518	2285
4.713		5841	6779
4.757		2344	1632
4.8		25391	32460
4.835		3438	3521
4.876		2332	1924
4.909		17747	24121
4.965		2787	3032
4.996		14657	13411
5.035		3320	3682
5.074		4796	5716
5.116		25185	24403
5.157		3270	4701
5.186		7985	9685
5.293		3539	5542
5.33		3227	7114
5.382		134121	231471
5.522		6357	6612
5.583		11927	10634
5.688		5507	6138
5.787		10059	9582
5.846		2274	4459
5.979		14100	16506
6.041		12855	17625
6.213		7591	11027
6.26		2312	2415
6.341		1697	1766
6.416		22050	20857
6.442		3740	3013
6.506		615	1581
6.564	DCB	3269088	3254247
6.784		790	375
6.836		20426	36521
7.081		1150	2170
7.149		1249	1591
7.502		1648	2732
7.712		1331	2079
7.892		2096	7377
8.071		1036	2459
8.239		1306	9350
8.354		6523	18883
8.421		854	608
8.508		11051	23264
8.619		1286	2652

LANCASTER LABORATORIES

Sample Number: BLANKA 10/3/17 ACF ABPBLK09276 BLK 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 9:44:32 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.057.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.036		4037883	2675104
2.119		175592	144953
2.154		5811	3437
2.183		37225	22765
2.206		40771	24061
2.275		14932	11857
2.313		70989	53141
2.354		509793	352169
2.382		916584	552245
2.431		9027	5321
2.454		5773	3350
2.469		10373	5352
2.493		3564	1967
2.511		106398	53429
2.533	TCX	16442980	10256030
2.584		4836	1948
2.623		3051	1633
2.655		86698	54181
2.684		19922	19106
2.704		16043	9858
2.726		6473	3394
2.751		270577	169332
2.776		9373	5885
2.824		7868	4926
2.839		12668	6172
2.866		67223	44811
2.893		13625	8309
2.912		15851	10437
2.939		27983	23374
2.987		9816	8955
3.003		11699	5620
3.028		14562	11272
3.068		131040	86443
3.093		13099	6714
3.104		52859	34085
3.128		6291	2922
3.14		3214	853
3.164		461626	275904
3.199		8978	6841
3.239		463142	292452
3.282		51102	57882
3.325		12218	6027
3.381		31762	21110
3.404		10285	10932
3.436		6509	3568
3.451		24821	17592
3.469		12586	6764
3.495		42150	38461
3.522		3887	1949
3.543		9082	5482
3.569		11752	13322
3.593		16779	12925
3.622		14872	11740
3.652		41616	33460

RT B	Compound B	Height B	Area B
3.676		24720	18600
3.704		17639	13333
3.723		8229	3434
3.741		84455	48877
3.788		60394	42345
3.812		16574	13049
3.851		68247	57500
3.885		52697	34185
3.915		83063	94381
3.979		22439	26994
4.022		25551	15538
4.079		51507	40188
4.112		11773	7594
4.137		75496	50481
4.174		12948	14408
4.237		66793	77609
4.295		101851	76059
4.32		6409	3770
4.36		65677	41797
4.384		15221	10953
4.416		29367	34680
4.459		47266	56541
4.505		63919	54747
4.546		24842	27583
4.592		132912	186776
4.621		13721	16037
4.656		18049	30155
4.702		10835	13119
4.744		15093	19803
4.774		13374	12362
4.819		35621	38589
4.851		26493	23403
4.903		77393	129887
4.931		12403	15333
4.97		41081	32054
4.994		51876	68000
5.046		23513	25007
5.097		255229	461805
5.205		7180	4492
5.225		15717	9325
5.252		41435	45987
5.29		5176	4654
5.37		10571	15037
5.408		58194	48982
5.454		6569	4026
5.477		37824	30176
5.529		10269	8211
5.551		7708	4879
5.611		6761	6235
5.637		15369	11829
5.722		6372	5754
5.752		8006	5647
5.814		4033	1849
5.837		105018	91192
5.89		7050	6496
5.927		4024	2790
5.995	DCB	11589400	10515800
6.244		4352	4103
6.278		5953	5563
6.319		8704	11689
6.386		7011	6607
6.425		5422	3306
6.481		71267	109977
6.522		7566	8304
6.564		2768	1607
6.672		6873	7717

RT B	Compound B	Height B	Area B
6.786		2131	1884
6.817		3294	7583
6.906		3876	4051
7.002		5321	10131
7.024		2725	1287
7.096		2531	2656
7.171		2032	2712
7.255		3209	9733
7.294		3085	2294
7.352		1995	1081
7.41		2723	3663
7.459		5617	7130
7.569		4601	6587
7.626		4197	7119
7.676		4058	4577
7.742		2463	4466
7.826		31603	65442
7.924		4454	12401
8.008		17164	32236
8.11		1484	7440
8.222		4844	19981
8.294		2648	2287
8.342		5730	12900
8.378		2844	1144
8.414		2304	810
8.509		2487	8226
8.557		4236	6511
8.617		2501	2002
8.667		2668	983

BLANKA 10/3/17 ACF ABPBLK09276 BLK 172760009A 10225 **SW-846 80**

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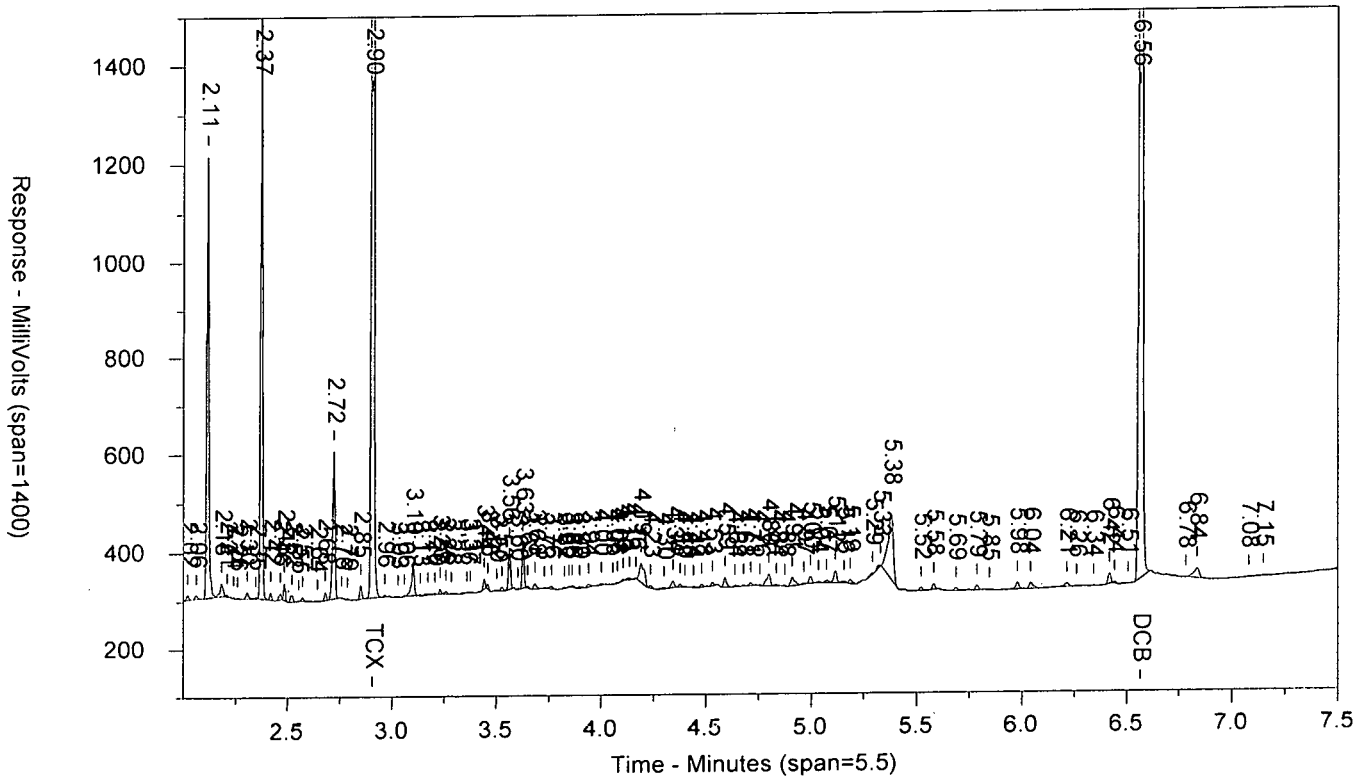

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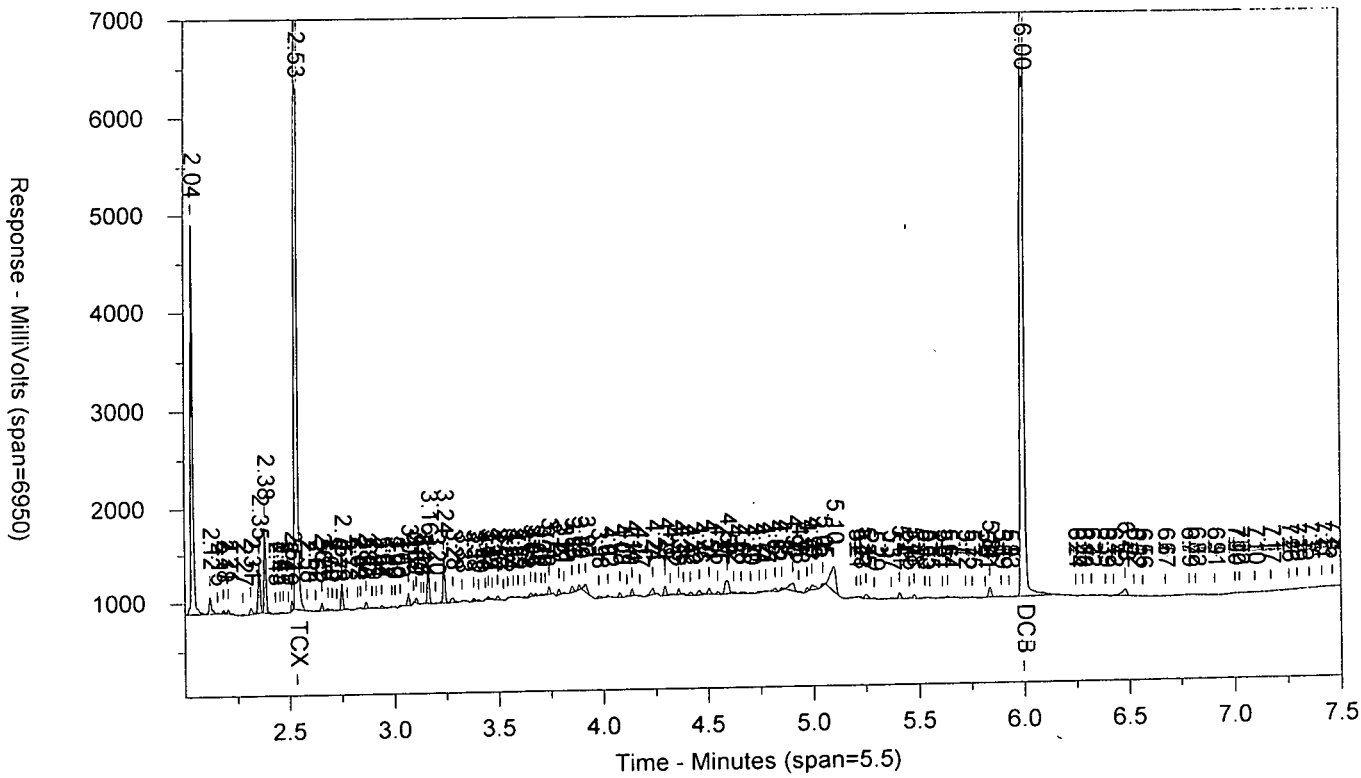

LANCASTER LABORATORIES

Sample Number: BLANKA 10/3/17 ACF ABPBLK09276 BLK 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 9:44:32 AM Sample Weight: 10
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	5601224	29.351	TCX	2.533	16442980	24.447	TCX
6.564	3269088	25.512	DCB	5.995	11589400	24.627	DCB

Files:
Area File: 20PCBs17275004.057.RAW
Area File: 20PCBs17275004B.057.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 9:53:15 AM
File Reported On: 10/5/2017 at 9:53:26 AM

BLANKA 10/3/17 ACF ABPBLK09276 BLK 172760009A 10225 SW-846 80

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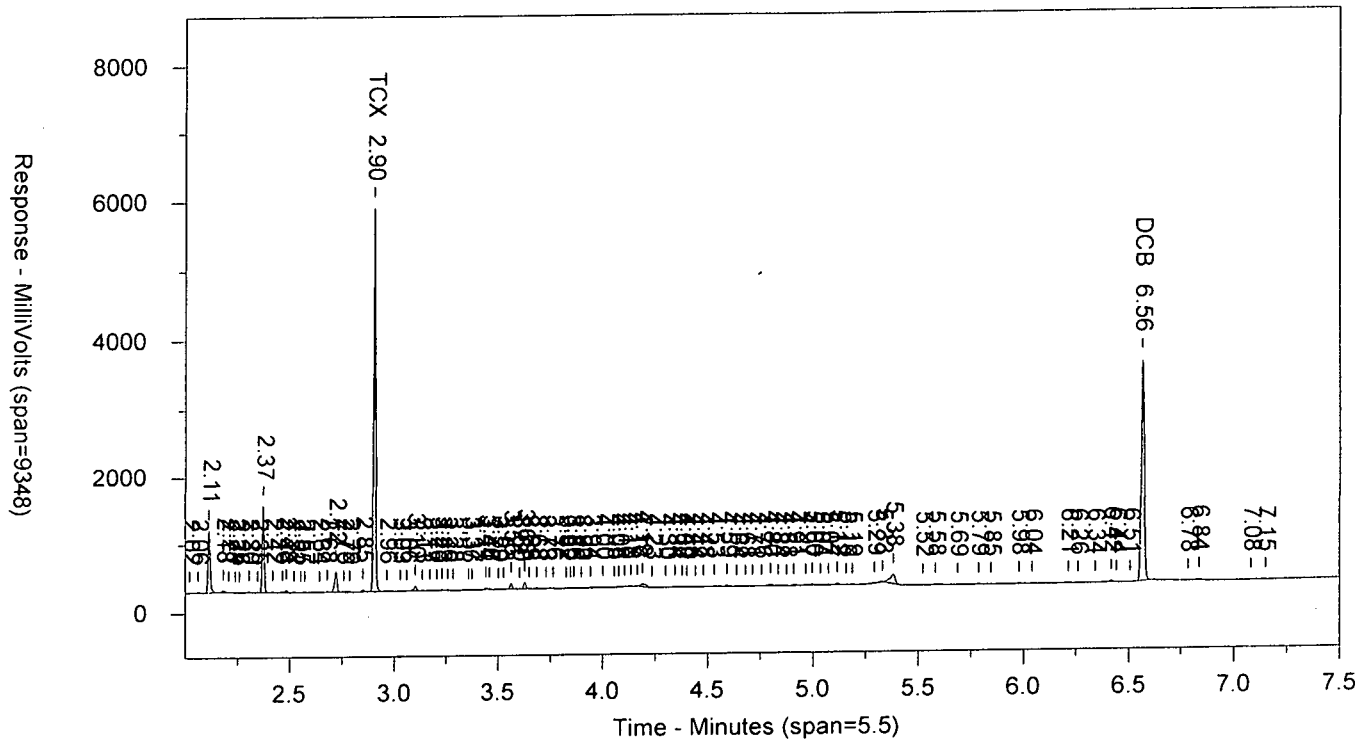

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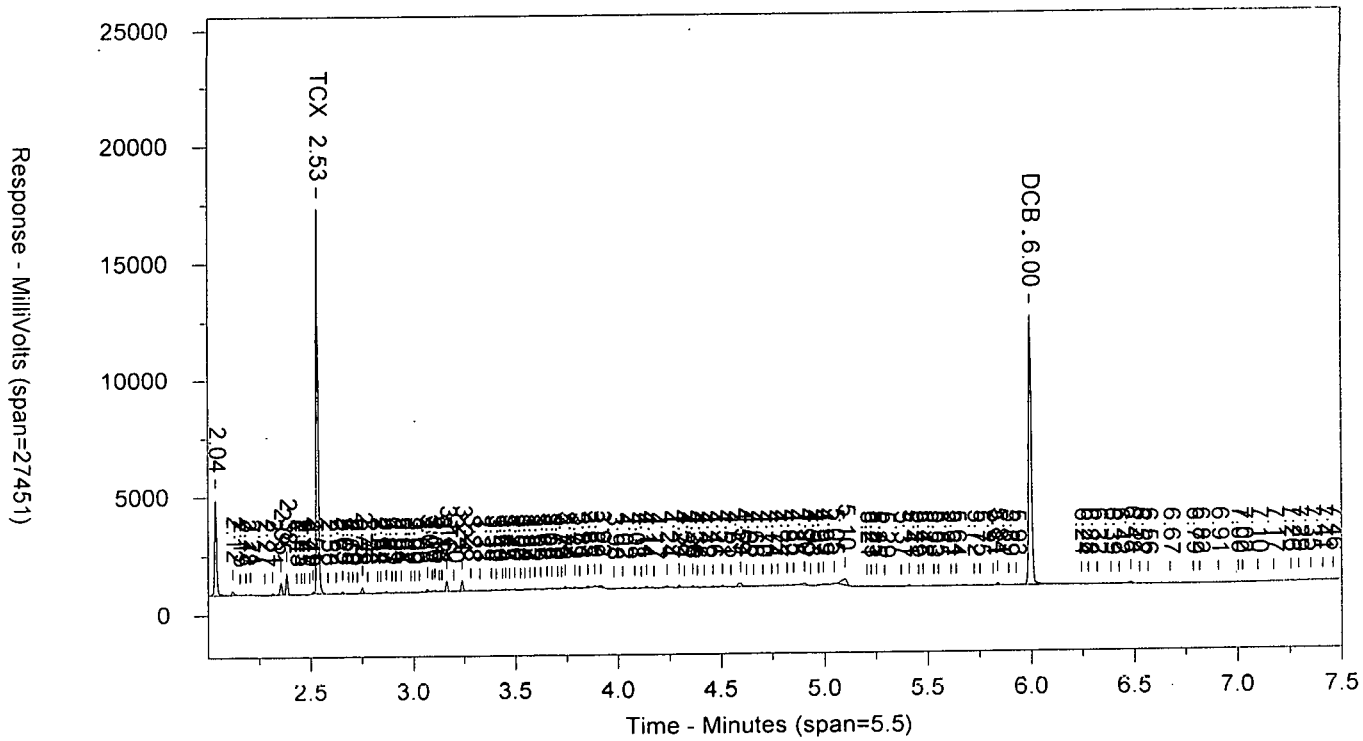

BLANKA 10/3/17 ACF ABPBLK09276 BLK 172760009A 10225 SW-846 80

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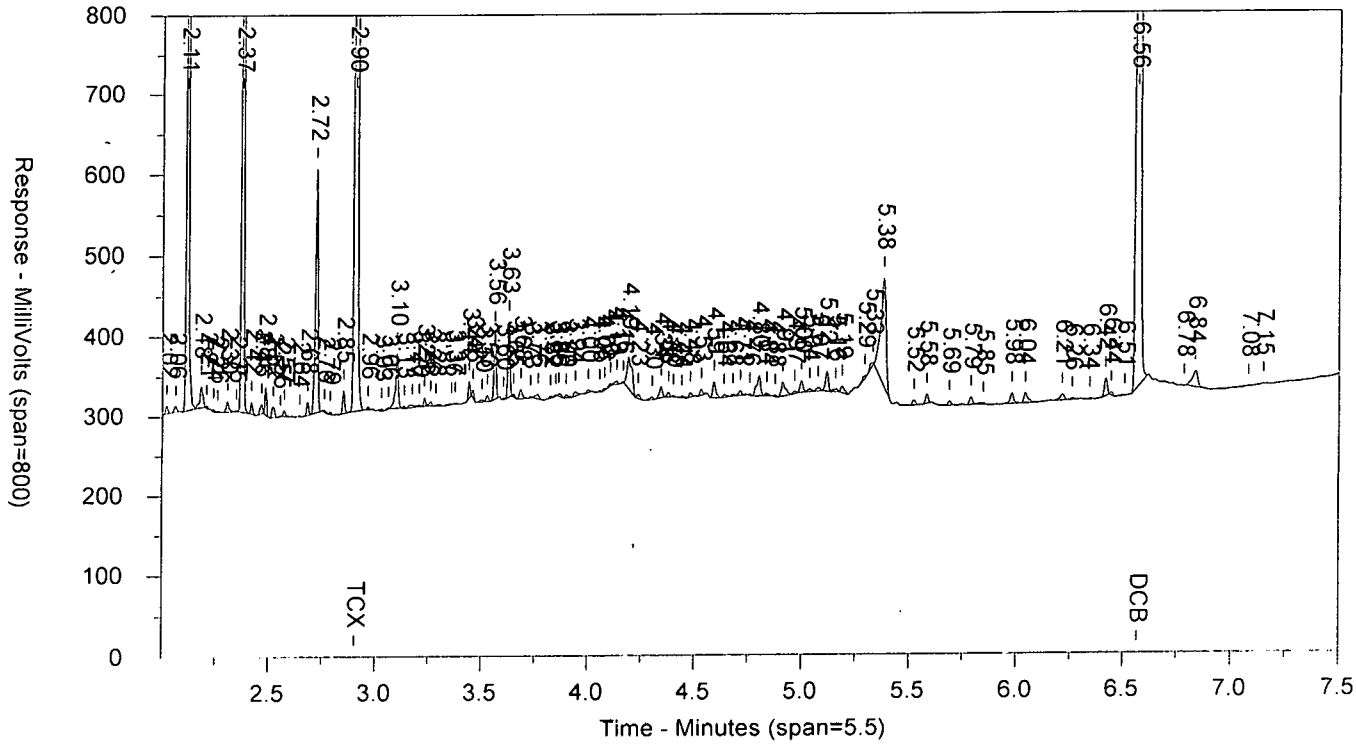

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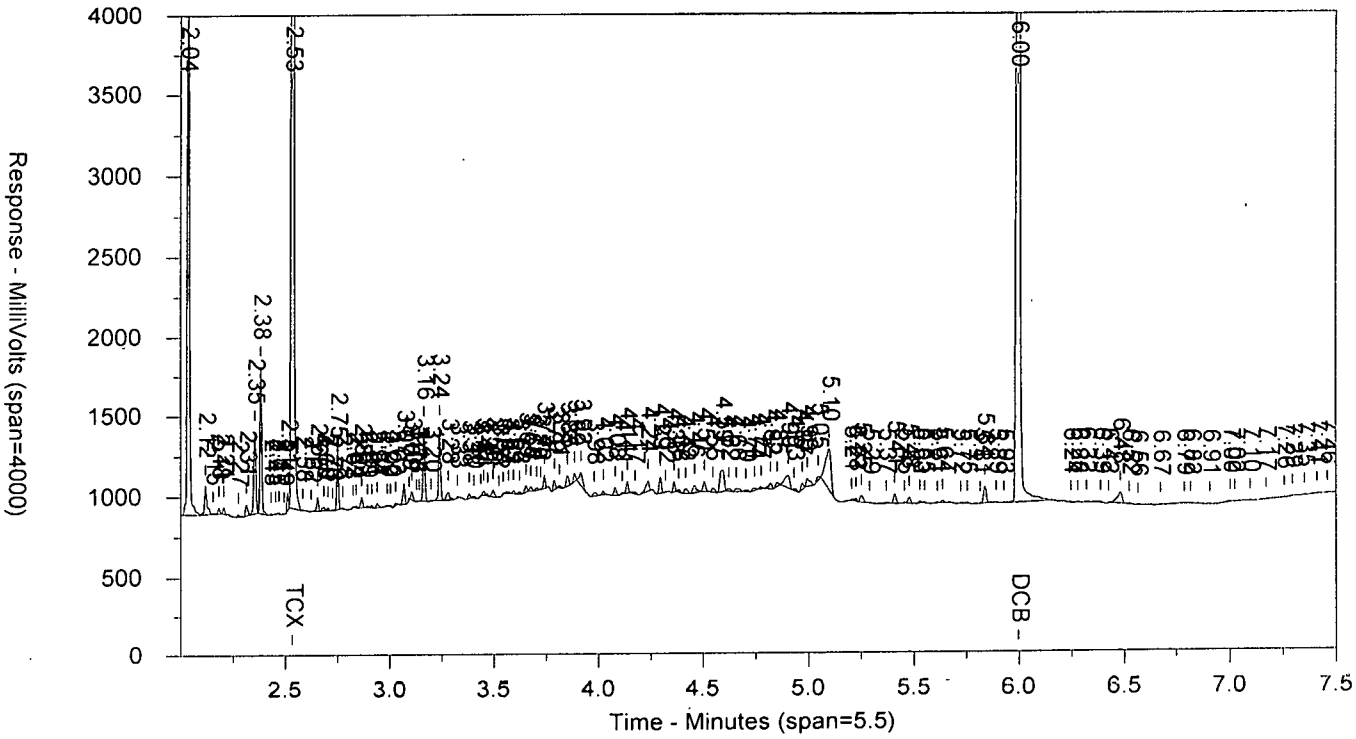

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Data Summary

Sample Name: 9229379 MS ACF DF50 95A11 MS Sample ID: AC **Batchnumber:** 172760009A
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 13:56:16
Instrument	17342A
Result file	20PCBS17275004.079.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 78% (61 - 152) Conc: 23.37144
%SSR(DCB) 93% (48 - 164) Conc: 24.71303

Analysis Report (B)

Injected on	Oct 05, 2017 13:56:16
Instrument	17342B
Result file	20PCBS17275004B.079.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 85% (61 - 152) Conc: 25.24181
%SSR(DCB) 113% (48 - 164) Conc: 29.85804

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	91432	23.37144
Decachlorobiphenyl	6.55	6.57	6.61	64917	24.71303

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	348039	25.24181
Decachlorobiphenyl	5.97	6.00	6.03	288045	29.85804

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	25.24181				7.69	
☐ Tetrachloro-m-xylene-D1	A	23.37144					
☐ Tetrachloro-m-xylene-D2	B	25.24181					
☐ Decachlorobiphenyl	B	29.85804				18.86	
☐ Decachlorobiphenyl-D1	A	24.71303					
☐ Decachlorobiphenyl-D2	B	29.85804					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**61.18**	
4.52	4.53	4.56	301382.3	3776.767033			1
4.58	4.59	4.62	2471700	15390.488339			2
4.79	4.80	4.83	1608942	18047.359563			4
Height summation:			**4382024.3**				
Concentration		CF:	**12404.871645**	L:			
Aroclor-1260						**10.22**	
5.33	5.35	5.37	556815.4	6143.717145			4
5.57	5.58	5.61	1508184	7098.108929			5
5.78	5.79	5.82	1036536	7525.494882			6
Height summation:			**3101535.4**				
Concentration		CF:	**6922.440319**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**52.83**	
4.06	4.08	4.10	1759245	5294.655572			1
4.12	4.14	4.16	8446970	15923.681029			2
4.21	4.23	4.25	5261150	18472.693711			3
Height summation:			**15467365**				
Concentration		CF:	**13230.343437**	L:			
Aroclor-1260						**27.00**	
4.78	4.80	4.82	1782445	4906.847893			4
4.98	4.99	5.01	4881360	7493.088482			5
5.24	5.25	5.28	3801393	8584.062271			6
Height summation:			**10465198**				
Concentration		CF:	**6994.666215**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:39

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Data Summary

Sample Name: 9229379 MS ACF DF50 95A11 MS Sample ID: AC **Batchnumber:** 172760009A
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 13:56:16
Instrument	17342A
Result file	20PCBS17275004.079.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

Analysis Report (B)

Injected on	Oct 05, 2017 13:56:16
Instrument	17342B
Result file	20PCBS17275004B.079.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<2487.8048	<482.9268			4	
PCB-1221			<2487.8048	<746.3415			3	
PCB-1232			<2487.8048	<600			4	
PCB-1242			<2487.8048	<600			4	
PCB-1248			<2487.8048	<482.9268			4	
PCB-1254	B	13230.343437	2487.8048	643.9024		6.44	4	
PCB-1260	B	6994.666215	2487.8048	570.7317		1.04	4	
PCB-1262			<2487.8048	<482.9268			4	
PCB-1268			<2487.8048	<482.9268			4	
Total PCBs	A	20225.009653	2487.8048	482.9268				

Units: ug/kg

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

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:39

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229379** MS ACF DF50 95A11 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:56:16
Instrument : CP20--17342A
Result file : 20PCBS17275004.079.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 78% (61-152) Conc.: 23.37144
%SSR(DCB) : 93% (48-164) Conc.: 24.71303

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	34.77	
3.14	3.16	3.18	35946.27	585.313179			1
3.36	3.37	3.40	35257.71	536.451278			2
+ 3.36	3.39	3.40	22851.84	347.694129			2
3.47	3.48	3.51	54801.74	712.99906			3
3.68	3.70	3.72	77986.83	874.607525			4
3.74	3.75	3.78	45104.16	595.538977			5
3.93	3.94	3.97	73418.32	1232.060621			6
+ 3.93	3.97	3.97	59999.28	1006.870631			6
Height Summation:			322515.03				
Amount Avg CF:			756.161773	Linear:			
Aroclor-1221					3	17.41	
3.04	3.06	3.08	10090.56	341.424194			1
3.09	3.11	3.13	8176.92	310.967236			2
3.14	3.16	3.18	35946.27	431.968415			3
Height Summation:			54213.75				
Amount Avg CF:			361.453282	Linear:			
Aroclor-1232					6	40.64	
3.14	3.16	3.18	35946.27	501.145345			1
3.36	3.37	3.40	35257.71	1230.972518			2
+ 3.36	3.39	3.40	22851.84	797.83931			2
3.47	3.48	3.51	54801.74	1591.988847			3
3.68	3.70	3.72	77986.83	1899.362498			4
3.74	3.75	3.78	45104.16	1372.748812			5
3.93	3.94	3.97	73418.32	2234.492596			6
+ 3.93	3.97	3.97	59999.28	1826.083012			6
Height Summation:			322515.03				
Amount Avg CF:			1471.785103	Linear:			
Aroclor-1242					6	34.54	
3.14	3.16	3.18	35946.27	417.560042			1
3.35	3.37	3.39	35257.71	389.768875			2
+ 3.35	3.39	3.39	22851.84	252.62378			2
3.47	3.48	3.51	54801.74	511.211561			3
3.68	3.70	3.72	77986.83	621.223936			4
3.74	3.75	3.78	45104.16	414.081018			5
3.93	3.94	3.97	73418.32	874.427956			6
+ 3.93	3.97	3.97	59999.28	714.604308			6
Height Summation:			322515.03				
Amount Avg CF:			538.045565	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 13:56:16
Instrument : CP20--17342B
Result file : 20PCBS17275004B.079.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 85% (61-152) Conc.: 25.24181
%SSR(DCB) : 113% (48-164) Conc.: 29.85804

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	83.92	
2.80	2.82	2.84	132214.3	551.207113			1
3.13	3.15	3.17	217258.7	711.625341			2
+ 3.32	3.32	3.36	83550.13	310.445627			3
3.32	3.34	3.36	197709.7	734.626167			3
3.39	3.41	3.43	191630.3	629.878062			4
3.45	3.47	3.49	690452.7	2993.04651			5
+ 3.45	3.49	3.49	580006.6	2514.273215			5
3.55	3.57	3.59	291067.1	1078.065874			6
Height Summation:			1720332.8				
Amount Avg CF:			1116.408178	Linear:			
Aroclor-1221					3	14.92	
2.69	2.71	2.73	53078.29	384.591209			1
+ 2.75	2.75	2.79	8730.509	102.08081			2
2.75	2.77	2.79	27102.11	316.889353			2
2.80	2.82	2.84	132214.3	428.423933			3
Height Summation:			212394.7				
Amount Avg CF:			376.634832	Linear:			
Aroclor-1232					6	99.31	
2.80	2.82	2.84	132214.3	496.50076			1
3.13	3.15	3.17	217258.7	1508.172296			2
+ 3.32	3.32	3.36	83550.13	660.120054			3
3.32	3.34	3.36	197709.7	1562.081805			3
3.39	3.41	3.43	191630.3	1417.023417			4
3.45	3.47	3.49	690452.7	7345.156766			5
+ 3.45	3.49	3.49	580006.6	6170.211808			5
3.55	3.57	3.59	291067.1	2601.272289			6
Height Summation:			1720332.8				
Amount Avg CF:			2488.367889	Linear:			
Aroclor-1242					6	83.99	
2.80	2.82	2.84	132214.3	418.559458			1
3.13	3.15	3.17	217258.7	555.705539			2
+ 3.32	3.32	3.36	83550.13	232.940933			3
3.32	3.34	3.36	197709.7	551.222147			3
3.39	3.41	3.43	191630.3	478.438724			4
3.45	3.47	3.49	690452.7	2288.281437			5
+ 3.45	3.49	3.49	580006.6	1922.243676			5
3.55	3.57	3.59	291067.1	828.294659			6
Height Summation:			1720332.8				
Amount Avg CF:			853.416994	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229379** MS ACF DF50 95A11 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:56:16
Instrument : CP20--17342A
Result file : 20PCBS17275004.079.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**94.41**	
3.68	3.70	3.72	77986.83	1960.157411			1
3.74	3.75	3.78	45104.16	1005.882301			2
3.81	3.82	3.85	155110.2	1975.135577			3
+ 3.81	3.85	3.85	143814.2	1831.295059			3
3.93	3.94	3.97	73418.32	826.444604			4
+ 3.93	3.97	3.97	59999.28	675.391118			4
4.02	4.03	4.06	111780.4	1605.881028			5
+ 4.20	4.21	4.24	130692.1	1960.4379			6
4.20	4.23	4.24	454480.8	6817.408131			6
Height Summation:			**917880.71**				
Amount Avg CF:			**2365.151509**	Linear:			
Aroclor-1254					**6**	**46.18**	
4.52	4.53	4.56	301382.3	3776.767033			1
+ 4.52	4.55	4.56	38481.16	482.225985			1
4.58	4.59	4.62	2471700	15390.488339			2
4.70	4.72	4.74	1317868	25159.56163			3
4.79	4.80	4.83	1608942	18047.359563			4
4.98	5.00	5.02	1022017	16086.146809			5
5.10	5.12	5.14	2871138	25750.723823			6
+ 5.10	5.14	5.14	138324.8	1240.610421			6
Height Summation:			**9593047.3**				
Amount Avg CF:			**17368.507866**	Linear:			
Aroclor-1260					**6**	**41.36**	
4.70	4.72	4.74	1317868	10433.057508			1
4.90	4.91	4.94	1894983	13544.749912			2
5.11	5.12	5.15	2871138	16991.34638			3
+ 5.11	5.14	5.15	138324.8	818.603839			3
5.33	5.35	5.37	556815.4	6143.717145			4
5.57	5.58	5.61	1508184	7098.108929			5
5.78	5.79	5.82	1036536	7525.494882			6
Height Summation:			**9185524.4**				
Amount Avg CF:			**10289.41246**	Linear:			
Aroclor-1262					**6**	**42.86**	
5.17	5.18	5.21	486072.6	3188.339095			1
5.33	5.35	5.37	556815.4	4371.197893			2
5.57	5.58	5.61	1508184	5635.812831			3
5.78	5.79	5.82	1036536	5578.16495			4
5.83	5.84	5.87	117699.6	1295.914625			5
6.20	6.22	6.24	329308.5	3204.298718			6
Height Summation:			**4034616.1**				
Amount Avg CF:			**3878.954685**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 13:56:16
Instrument : CP20--17342B
Result file : 20PCBS17275004B.079.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**93.15**	
+ 3.32	3.32	3.36	83550.13	720.401716			1
3.32	3.34	3.36	197709.7	1704.729929			1
3.39	3.41	3.43	191630.3	1038.568297			2
3.43	3.45	3.47	612121.6	1950.656127			3
3.55	3.57	3.59	291067.1	781.367522			4
+ 3.64	3.64	3.68	106219.7	412.349784			5
3.64	3.66	3.68	371140.9	1440.786124			5
3.77	3.79	3.81	2431645	6298.848651			6
Height Summation:			**4095314.6**				
Amount Avg CF:			**2202.492775**	Linear:			
Aroclor-1254					**6**	**48.77**	
4.06	4.08	4.10	1759245	5294.655572			1
4.12	4.14	4.16	8446970	15923.681029			2
4.21	4.23	4.25	5261150	18472.693711			3
4.34	4.36	4.38	6361274	33302.918086			4
4.44	4.46	4.47	3971550	21276.084458			5
4.57	4.59	4.61	9572124	29937.533915			6
Height Summation:			**35372313**				
Amount Avg CF:			**20701.261128**	Linear:			
Aroclor-1260					**6**	**59.21**	
4.34	4.36	4.38	6361274	12893.578048			1
4.44	4.46	4.48	3971550	9735.147217			2
4.57	4.59	4.61	9572124	23656.715544			3
4.78	4.80	4.82	1782445	4906.847893			4
4.98	4.99	5.01	4881360	7493.088482			5
5.24	5.25	5.28	3801393	8584.062271			6
Height Summation:			**30370146**				
Amount Avg CF:			**11211.573243**	Linear:			
Aroclor-1262					**6**	**44.87**	
4.60	4.62	4.64	1171848	2350.069768			1
4.78	4.80	4.82	1782445	3388.348007			2
4.98	4.99	5.01	4881360	6115.442844			3
5.19	5.21	5.23	863417.4	2283.661149			4
5.24	5.25	5.28	3801393	6496.89377			5
5.62	5.64	5.66	1262161	3833.400955			6
Height Summation:			**13762624.4**				
Amount Avg CF:			**4077.969415**	Linear:			
Aroclor-1268					**6**	**124.87**	
5.19	5.21	5.23	863417.4	851.843912			1
5.24	5.25	5.28	3801393	4001.365428			2
5.39	5.41	5.43	240480.8	248.474769			3
5.46	5.48	5.50	11406.23	44.078542			4
5.62	5.64	5.66	1262161	3955.785482			5
5.82	5.84	5.86	303261.1	101.416038			6
Height Summation:			**6482119.53**				
Amount Avg CF:			**1533.827362**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229379** MS ACF DF50 95A11 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 13:56:16
Instrument : CP20--17342A
Result file : 20PCBS17275004.079.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**99.81**	
5.77	5.79	5.81	1036536	3045.865535			1
5.83	5.84	5.87	117699.6	407.883404			2
5.96	5.98	6.00	6033.578	20.76711			3
+ 6.03	6.03	6.07	31488.32	471.019478			4
6.03	6.06	6.07	239734.5	3586.07951			4
6.20	6.22	6.24	329308.5	3109.595359			5
6.40	6.42	6.44	64929.65	68.769186			6

Height Summation: **1794241.828**
Amount Avg CF: **1706.493351** Linear:

Analysis Report (B)

Injected on : Oct 05, 2017 13:56:16
Instrument : CP20--17342B
Result file : 20PCBS17275004B.079.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2487.8048	482.9268		38.48	4	40	
Aroclor-1221			2487.8048	746.3415		4.11	3	5	
Aroclor-1232			2487.8048	600		** 51.34	4	40	
Aroclor-1242			2487.8048	600		** 45.33	4	30	
Aroclor-1248			2487.8048	482.9268		7.12	4	40	
Aroclor-1254			2487.8048	643.9024		17.51	4	40	
Aroclor-1260			2487.8048	570.7317		8.58	4	40	
Aroclor-1262			2487.8048	482.9268		5.00	4	40	
Aroclor-1268			2487.8048	482.9268		10.66	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229379MS ACF DF50 AC95A11 MS 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:56:16 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.079.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.023		4454	5604
2.062		4254	5886
2.114		1791	1236
2.18		9689	9689
2.305		8495	6210
2.345		1109	854
2.4		1529	4752
2.474		1310	1929
2.493		1828	1366
2.515		1050	811
2.546		1147	1337
2.583		1219	1048
2.627		4596	3954
2.677		1796	2594
2.726		968	1283
2.904	TCX	91432	71672
3.012		2278	1661
3.055		10091	9123
3.109		8177	7321
3.156		35946	25001
3.204		4785	3340
3.223		5173	2722
3.25		5387	4607
3.289		1525	1505
3.37		35258	20522
3.387		22852	12885
3.424		3703	2034
3.44		8857	7241
3.485		54802	40153
3.56		15746	10396
3.593		8608	4962
3.608		5356	2580
3.661		96578	125169
3.699		77987	68774
3.755		45104	33997
3.793		15165	11271
3.823		155110	109958
3.849		143814	95223
3.871		132111	86116
3.945		73418	50254
3.969		59999	40232
3.999		158180	118012
4.032		111780	105343
4.075		21427	20302
4.105		22235	24316
4.155		32417	23306
4.191		432222	297338
4.209		130692	66010
4.234		454481	384537
4.301		368563	295344
4.343		1056331	1056642
4.377		650874	532379
4.417		117200	82775
4.44		77062	53723

RT A	Compound A	Height A	Area A
4.48		311457	271392
4.53		301382	214322
4.548		38481	16476
4.561		101972	60219
4.591		2471701	2092485
4.64		287951	211930
4.654		55068	24550
4.674		109932	68898
4.715		1317868	1222137
4.761		210724	184594
4.802		1608942	1470894
4.833		18102	10879
4.861		354941	332864
4.912		1894983	2357128
4.963		138919	116212
5.001		1022017	1087329
5.046		155731	118328
5.071		26129	25219
5.082		112867	78009
5.117		2871138	2568049
5.14		138325	65599
5.157		59919	33231
5.184		486073	408735
5.226		334824	340247
5.323		559447	457583
5.347		556815	418086
5.378		16618	9552
5.404		311429	258886
5.442		230583	210219
5.466		12301	26277
5.523		436745	418633
5.556		71130	58942
5.583		1508184	1387929
5.619		15155	10755
5.669		12238	11338
5.705		3175	1838
5.727		3404	2350
5.746		4519	3001
5.788		1036536	992900
5.819		94724	65249
5.842		117700	129906
5.956		40769	35932
5.978		6034	4519
6.008		4949	3116
6.032		31488	22766
6.06		239735	212778
6.098		2050	1698
6.125		15593	13667
6.163		1996	1411
6.188		21088	14896
6.216		329309	313279
6.262		19952	19318
6.42		64930	70152
6.536		6525	5372
6.568	DCB	64917	64186
6.605		15619	14178
6.731		8207	19072
6.841		11015	21072
7.028		612	1004
7.16		1389	2413
7.514		1284	2519
7.573		868	892
7.698		790	1011
7.802		1023	568
7.902		5516	10584
8.363		4032	6395

RT A	Compound A	Height A	Area A
8.518		7882	17507
8.669		4984	9225

LANCASTER LABORATORIES

Sample Number: 9229379MS ACF DF50 AC95A11 MS 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:56:16 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.079.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.038		6855	8459
2.076		20193	24031
2.117		8597	16920
2.171		3622	3064
2.197		2010	1327
2.283		19976	18691
2.346		2380	4140
2.364		3518	1916
2.46		18207	55088
2.533	TCX	348039	227708
2.578		17910	17482
2.643		6973	9138
2.706		53078	52102
2.75		8731	8525
2.767		27102	17605
2.818		132214	90280
2.868		4179	4254
2.929		17187	17304
3.025		104011	51122
3.036		46130	18671
3.075		21027	12968
3.098		43260	26628
3.121		11867	6166
3.146		217259	155719
3.184		74389	50111
3.23		43039	22367
3.245		36248	26243
3.304		371419	349537
3.324		83550	38149
3.338		197710	170050
3.41		191630	141455
3.447		612122	378844
3.469		690453	378957
3.487		580007	315949
3.541		10244	6695
3.573		291067	171458
3.595		229871	129130
3.615		629351	417357
3.645		106220	53843
3.661		371141	243746
3.698		194381	151213
3.739		134777	107029
3.767		189009	104898
3.788		2431645	1586973
3.813		988557	574662
3.831		795552	447630
3.852		1300835	824700
3.887		3816227	2638122
3.917		2280639	1420109
3.932		315776	131815
3.955		532494	339873
3.992		443576	340351
4.025		1116091	780536
4.047		92042	65364

RT B	Compound B	Height B	Area B
4.081		1759245	1327942
4.113		867383	704735
4.139		8446970	6603238
4.177		1007813	886217
4.228		5261151	4449480
4.264		889054	694519
4.296		4539458	3238137
4.32		1510198	1069574
4.362		6361274	5249872
4.413		52085	52182
4.459		3971550	4507980
4.508		2873934	2463736
4.549		1842231	1628693
4.585		9572124	8312678
4.618		1171848	932772
4.655		1229373	984461
4.711		70286	46297
4.725		29838	14286
4.752		220019	139722
4.769		425558	281513
4.801		1782445	1297844
4.823		2064390	1535833
4.873		1565060	1426747
4.908		766805	612312
4.939		544256	431321
4.971		1463684	1030835
4.993		4881360	4124993
5.035		126933	84710
5.064		181237	154034
5.099		69489	88667
5.13		58590	42327
5.164		33707	25481
5.186		24124	13812
5.209		863417	775988
5.251		3801393	4285748
5.353		7507	4760
5.409		240481	199812
5.439		13851	8818
5.456		168131	120336
5.478		11406	4443
5.501		444098	343599
5.527		563368	455303
5.568		26226	32761
5.61		108122	81717
5.638		1262161	1085753
5.669		82874	64087
5.714		20139	15876
5.751		5222	8150
5.837		303261	263721
5.89		9785	11428
5.922		5015	5299
5.976		16174	9573
5.997	DCB	288045	242101
6.035		88342	78006
6.13		10384	9879
6.196		17983	13909
6.236		4995	3882
6.325		4405	4602
6.364		11136	19390
6.483		42191	71860
6.784		3283	6346
6.827		1451	2027
6.899		5668	7236
6.995		2656	4031
7.105		2879	3769
7.3		2500	1115

RT B	Compound B	Height B	Area B
7.393		20040	24916
7.47		3108	2835
7.631		3070	4163
7.687		2849	4520
7.742		2110	2853
7.835		20401	36876
7.912		17645	30015
8.015		13407	23041
8.11		2373	1100
8.203		46030	84489
8.344		6876	12318
8.61		2514	18282
8.678		13956	34200

9229379MS ACF DF50 AC95A11 MS 172760009A 10225 SW-846 808:

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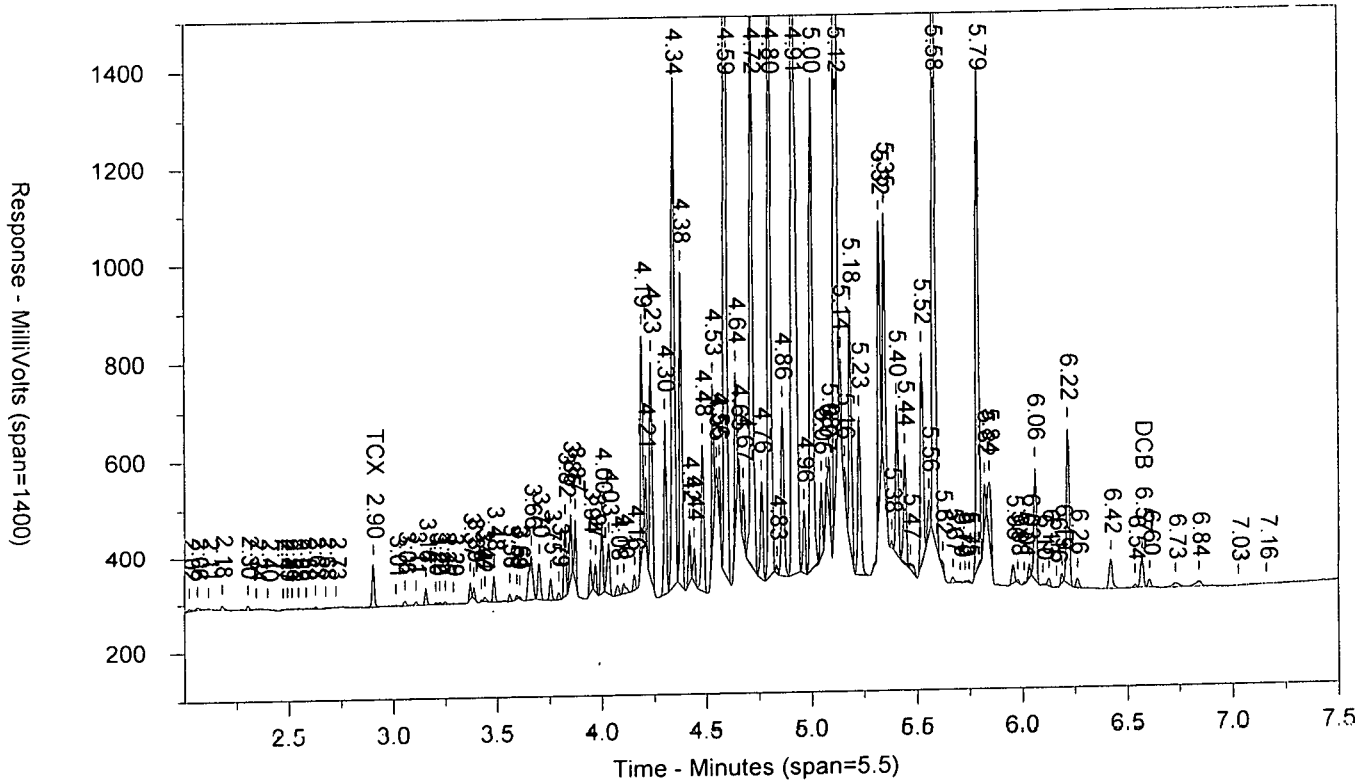

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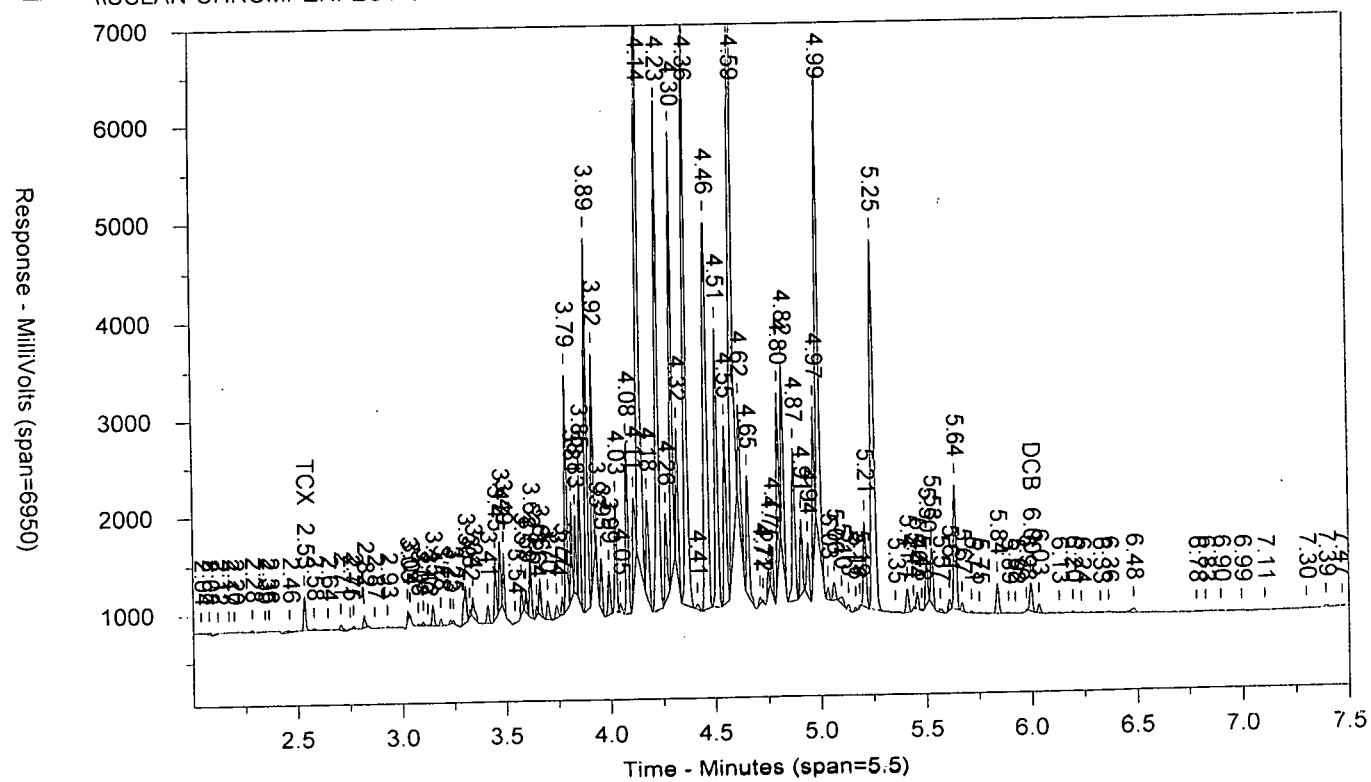

LANCASTER LABORATORIES

Sample Number: 9229379MS ACF. DF50 AC95A11 MS 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 1:56:16 PM Sample Weight: 10.25
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	91432	23.371	TCX	2.533	348039	25.242	TCX
6.568	64917	24.713	DCB	5.997	288045	29.858	DCB

Files:
Area File: 20PCBs17275004.079.RAW
Area File: 20PCBs17275004B.079.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 2:05:00 PM
File Reported On: 10/5/2017 at 2:05:13 PM

9229379MS ACF DF50 AC95A11 MS 172760009A 10225 SW-846 808:

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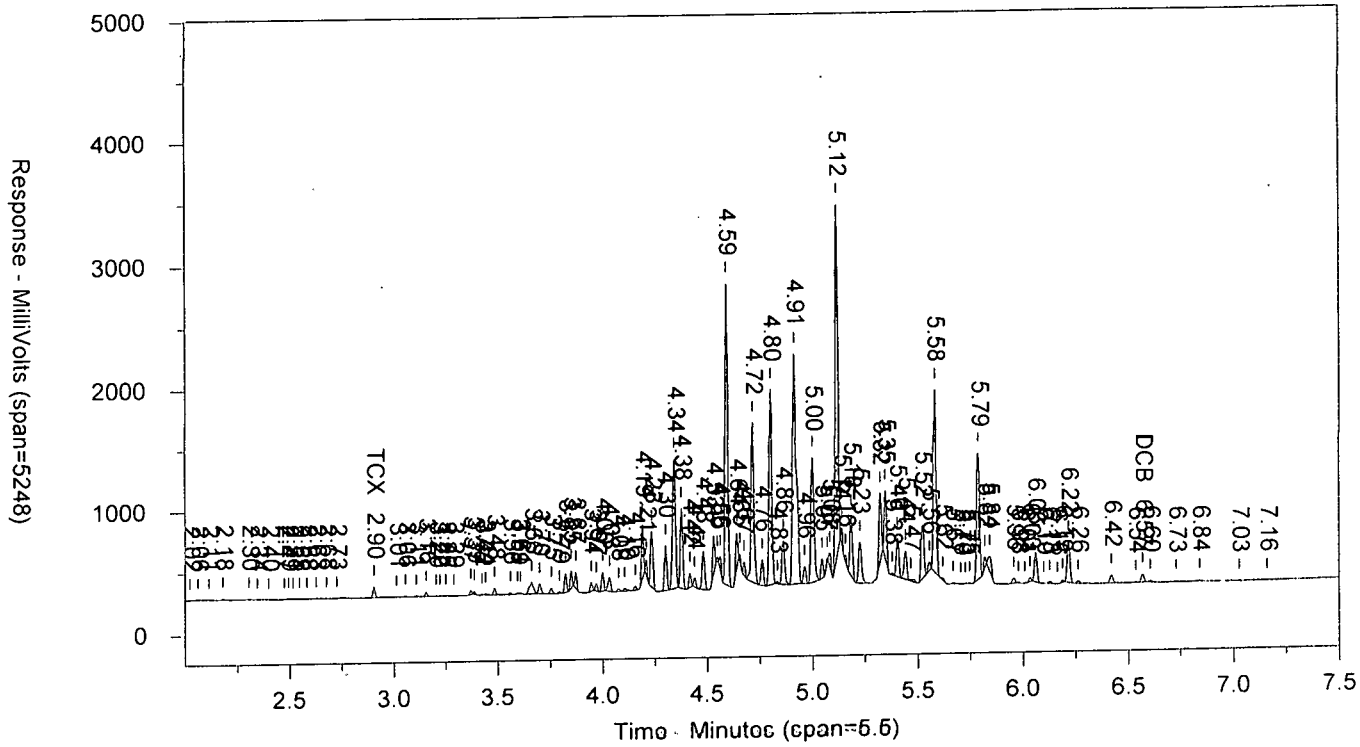

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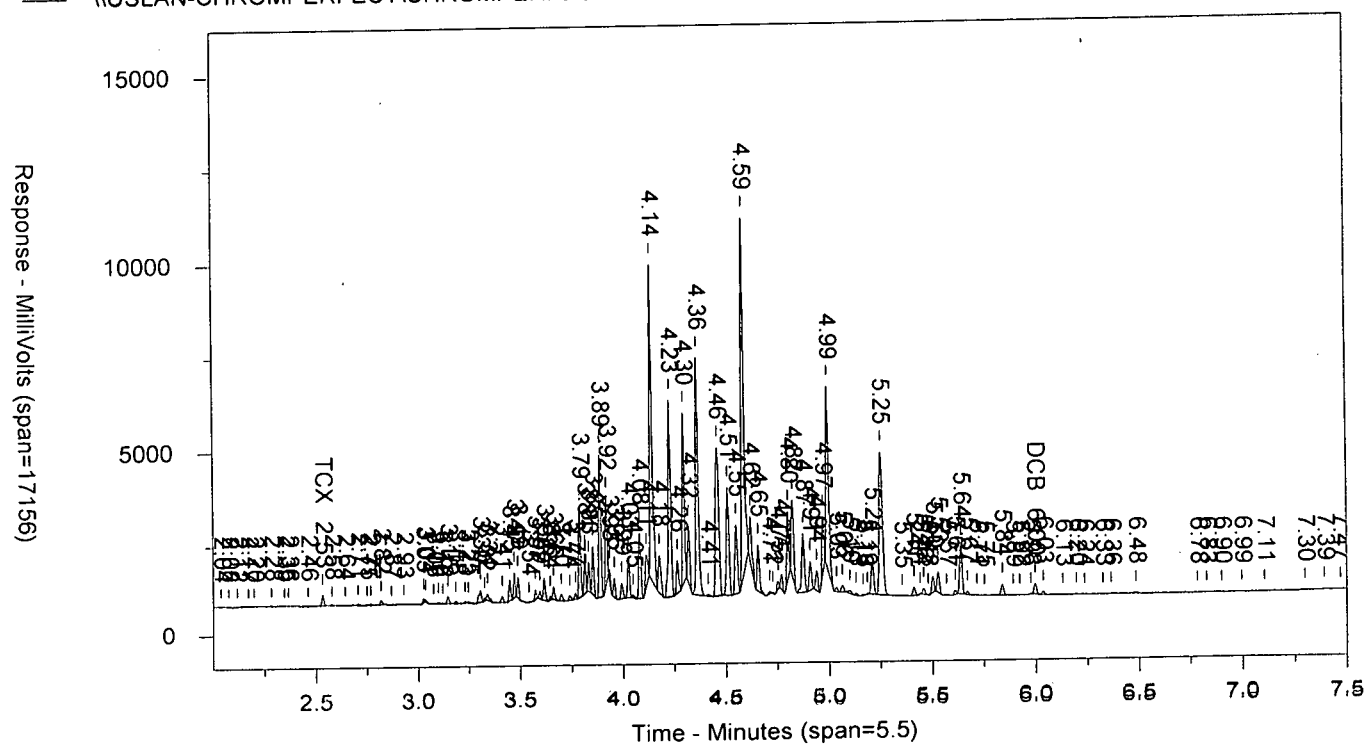

9229379MS ACF DF50 AC95A11 MS 172760009A 10225 SW-846 808

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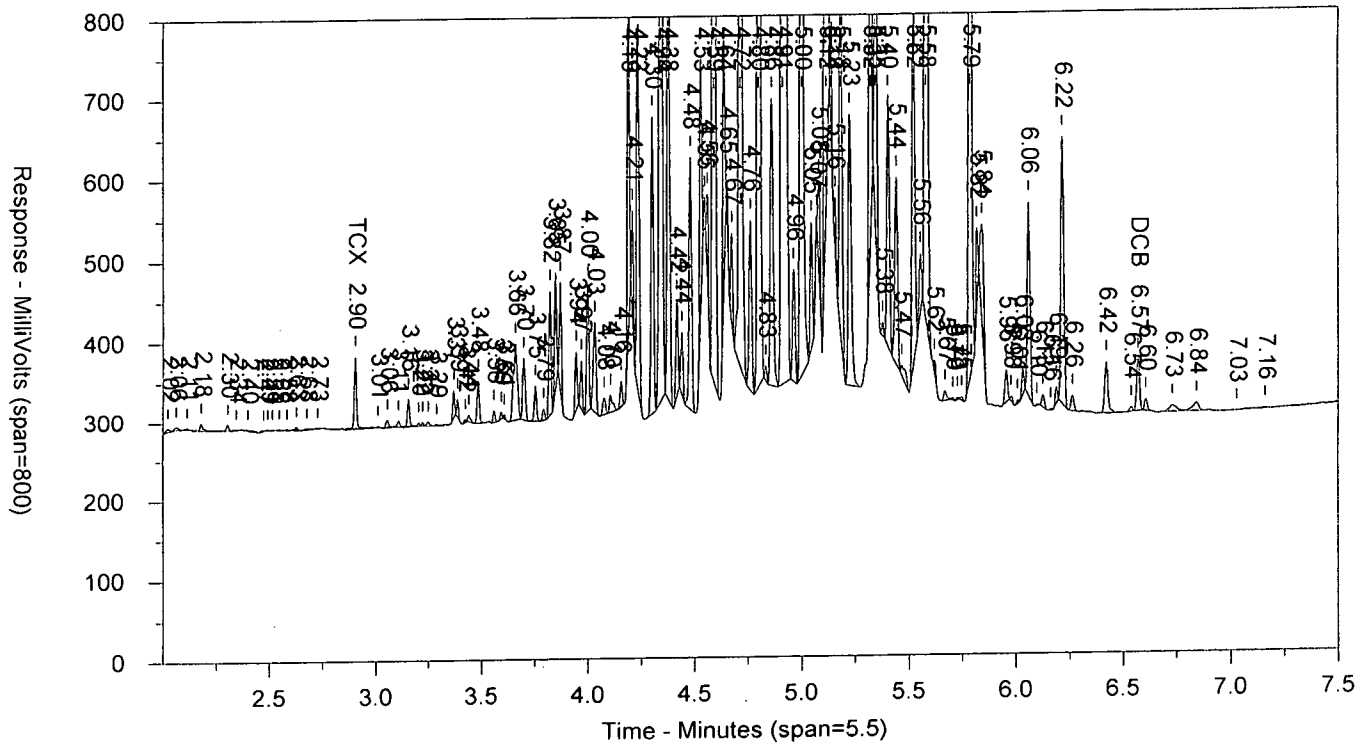

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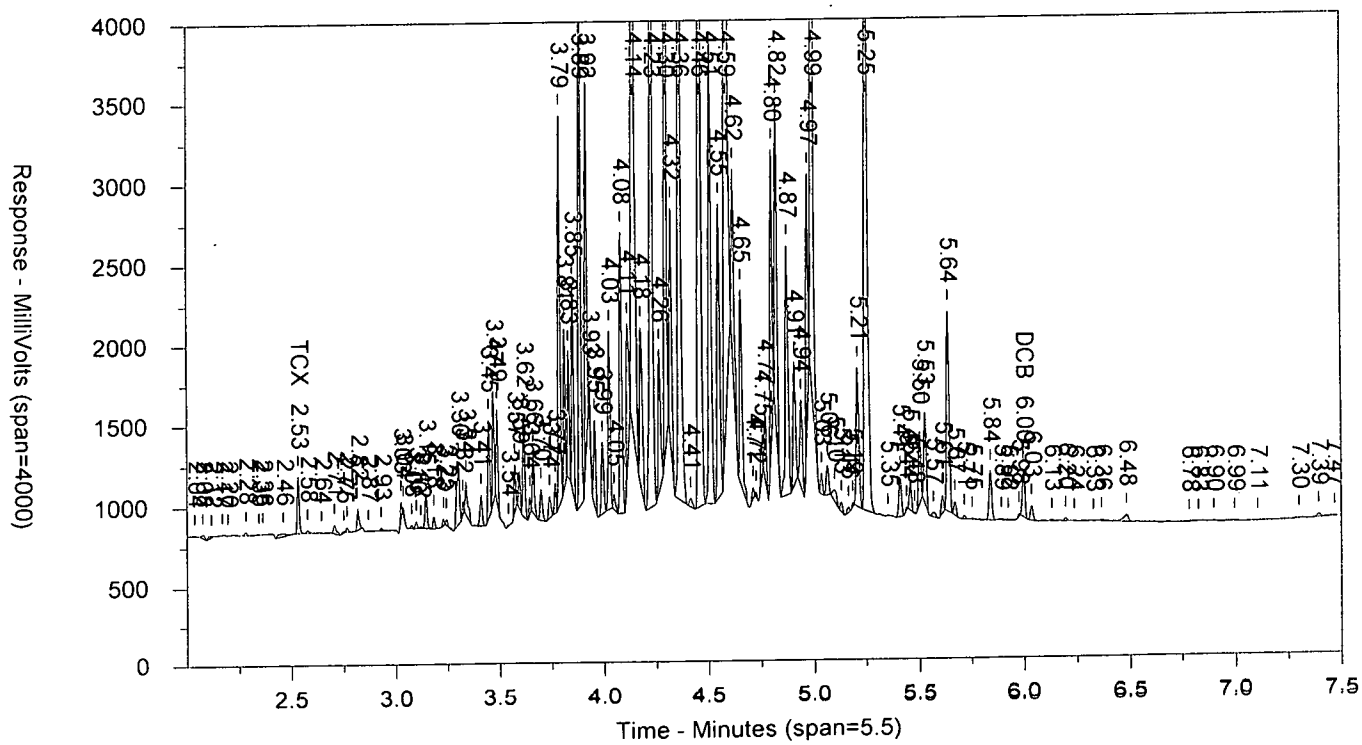

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Data Summary

Sample Name: 9229380 MSD ACF DF50 95A11 MSD Sample ID:AC **Batchnumber:** 172760009A
Sample Amount: 10.48 g Total Volume: 500 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 14:07:35
Instrument	17342A
Result file	20PCBS17275004.080.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 70% (61 - 152) Conc: 20.35552
%SSR(DCB) 79% (48 - 164) Conc: 20.56903

Analysis Report (B)

Injected on	Oct 05, 2017 14:07:35
Instrument	17342B
Result file	20PCBS17275004B.080.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 79% (61 - 152) Conc: 22.94267
%SSR(DCB) 105% (48 - 164) Conc: 27.16502

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	81421	20.35552
Decachlorobiphenyl	6.55	6.57	6.61	55244	20.56903

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	323437	22.94267
Decachlorobiphenyl	5.97	6.00	6.03	267945	27.16502

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	22.94267				11.95	
☐ Tetrachloro-m-xylene-D1	A	20.35552					
☐ Tetrachloro-m-xylene-D2	B	22.94267					
☐ Decachlorobiphenyl	B	27.16502				27.64	
☐ Decachlorobiphenyl-D1	A	20.56903					
☐ Decachlorobiphenyl-D2	B	27.16502					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**58.81**	
4.52	4.53	4.56	70283.27	861.424056			1
4.58	4.59	4.62	535419	3260.716221			2
4.79	4.80	4.83	340295.6	3733.294055			4
Height summation:			**945997.87**				
Concentration		CF:	**2618.478111**	L:			
Aroclor-1260						**13.02**	
5.33	5.35	5.37	160345.3	1730.369262			4
5.57	5.58	5.61	446544.7	2055.492292			5
5.78	5.79	5.82	316676.8	2248.689568			6
Height summation:			**923566.8**				
Concentration		CF:	**2011.517041**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**55.07**	
4.06	4.08	4.10	476236.4	1401.833898			1
4.12	4.14	4.16	1941419	3579.516562			2
4.21	4.23	4.25	1476659	5070.98522			3
Height summation:			**3894314.4**				
Concentration		CF:	**3350.77856**	L:			
Aroclor-1260						**20.36**	
4.78	4.80	4.82	652095	1755.738816			4
4.98	4.99	5.01	1562908	2346.475478			5
5.24	5.25	5.28	1204253	2659.686252			6
Height summation:			**3419256**				
Concentration		CF:	**2253.966849**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:41

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Data Summary

Sample Name: 9229380 MSD ACF DF50 95A11 MSD Sample ID:AC **Batchnumber:** 172760009A
Sample Amount: 10.48 g Total Volume: 500 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 14:07:35
Instrument	17342A
Result file	20PCBS17275004.080.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

Analysis Report (B)

Injected on	Oct 05, 2017 14:07:35
Instrument	17342B
Result file	20PCBS17275004B.080.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<2433.2062	<472.3283			4	
PCB-1221			<2433.2062	<729.9619			3	
PCB-1232			<2433.2062	<586.8321			4	
PCB-1242			<2433.2062	<586.8321			4	
PCB-1248			<2433.2062	<472.3283			4	
PCB-1254	B	3350.77856	2433.2062	629.771		24.54	4	
PCB-1260	B	2253.966849	<2433.2062	558.2061		11.37	4	
PCB-1262			<2433.2062	<472.3283			4	
PCB-1268			<2433.2062	<472.3283			4	
Total PCBs	A	5604.745409	2433.2062	472.3283				

Units: ug/kg

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

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:41

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229380** MSD ACF DF50 95A11 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.48 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Homogeneity

Analysis Report (A)

Injected on : Oct 05, 2017 14:07:35
Instrument : CP20--17342A
Result file : 20PCBS17275004.080.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 70% (61-152) Conc.: 20.35552
%SSR(DCB) : 79% (48-164) Conc.: 20.56903

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	12.87	
3.14	3.15	3.18	27435.5	436.928056			1
3.36	3.37	3.40	27145.59	403.959709			2
+ 3.36	3.39	3.40	14693.37	218.655387			2
3.47	3.48	3.51	33333.29	424.16553			3
3.68	3.70	3.72	43594.15	478.170455			4
3.74	3.75	3.78	33027.93	426.518162			5
3.93	3.94	3.97	34387.57	564.406107			6
+ 3.93	3.97	3.97	17764.33	291.567457			6
Height Summation:			198924.03				
Amount Avg CF:			455.691337	Linear:			
Aroclor-1221					3	32.50	
3.04	3.05	3.08	5870.58	194.27755			1
3.09	3.11	3.13	5025.362	186.91959			2
3.14	3.15	3.18	27435.5	322.458347			3
Height Summation:			38331.442				
Amount Avg CF:			234.551829	Linear:			
Aroclor-1232					6	28.63	
3.14	3.15	3.18	27435.5	374.097952			1
3.36	3.37	3.40	27145.59	926.949606			2
+ 3.36	3.39	3.40	14693.37	501.739455			2
3.47	3.48	3.51	33333.29	947.079501			3
3.68	3.70	3.72	43594.15	1038.430387			4
3.74	3.75	3.78	33027.93	983.146904			5
3.93	3.94	3.97	34387.57	1023.619493			6
+ 3.93	3.97	3.97	17764.33	528.793237			6
Height Summation:			198924.03				
Amount Avg CF:			882.22064	Linear:			
Aroclor-1242					6	12.59	
3.14	3.15	3.18	27435.5	311.702699			1
3.35	3.37	3.39	27145.59	293.504607			2
+ 3.35	3.39	3.39	14693.37	158.868228			2
3.47	3.48	3.51	33333.29	304.121471			3
3.68	3.70	3.72	43594.15	339.639123			4
3.74	3.75	3.78	33027.93	296.560061			5
3.93	3.94	3.97	34387.57	400.574834			6
+ 3.93	3.97	3.97	17764.33	206.933597			6
Height Summation:			198924.03				
Amount Avg CF:			324.350466	Linear:			

ND

Analysis Report (B)

Injected on : Oct 05, 2017 14:07:35
Instrument : CP20--17342B
Result file : 20PCBS17275004B.080.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 79% (61-152) Conc.: 22.94267
%SSR(DCB) : 105% (48-164) Conc.: 27.16502

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	32.52	
2.80	2.82	2.84	116698	475.841569			1
3.13	3.15	3.17	141852.7	454.437767			2
+ 3.32	3.32	3.36	13941.48	50.665214			3
3.32	3.34	3.36	139578.9	507.248499			3
3.39	3.41	3.43	147433.4	473.969905			4
3.45	3.47	3.49	220792.2	936.107754			5
+ 3.45	3.49	3.49	134440.9	569.998256			5
3.55	3.57	3.59	152253.9	551.547841			6
Height Summation:			918609.1				
Amount Avg CF:			566.525556	Linear:			
Aroclor-1221					3	37.59	
2.69	2.71	2.73	25240.46	178.871965			1
+ 2.75	2.75	2.79	6765.054	77.363907			2
2.75	2.77	2.79	20535.12	234.835837			2
2.80	2.82	2.84	116698	369.84631			3
Height Summation:			162473.58				
Amount Avg CF:			261.184704	Linear:			
Aroclor-1232					6	51.69	
2.80	2.82	2.84	116698	428.615116			1
3.13	3.15	3.17	141852.7	963.105741			2
+ 3.32	3.32	3.36	13941.48	107.732629			3
3.32	3.34	3.36	139578.9	1078.594375			3
3.39	3.41	3.43	147433.4	1066.280118			4
3.45	3.47	3.49	220792.2	2297.277434			5
+ 3.45	3.49	3.49	134440.9	1398.817738			5
3.55	3.57	3.59	152253.9	1330.833438			6
Height Summation:			918609.1				
Amount Avg CF:			1194.117704	Linear:			
Aroclor-1242					6	32.57	
2.80	2.82	2.84	116698	361.330586			1
3.13	3.15	3.17	141852.7	354.868735			2
+ 3.32	3.32	3.36	13941.48	38.016326			3
3.32	3.34	3.36	139578.9	380.610737			3
3.39	3.41	3.43	147433.4	360.01501			4
3.45	3.47	3.49	220792.2	715.684835			5
+ 3.45	3.49	3.49	134440.9	435.782212			5
3.55	3.57	3.59	152253.9	423.762723			6
Height Summation:			918609.1				
Amount Avg CF:			432.712104	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229380** MSD ACF DF50 95A11 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.48 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 14:07:35
Instrument : CP20--17342A
Result file : 20PCBS17275004.080.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	50.46	
3.68	3.70	3.72	43594.15	1071.668531			1
3.74	3.75	3.78	33027.93	720.401329			2
3.81	3.82	3.85	48388.02	602.638659			3
+ 3.81	3.85	3.85	36799.99	458.317919			3
3.93	3.94	3.97	34387.57	378.593694			4
+ 3.93	3.97	3.97	17764.33	195.578324			4
4.02	4.03	4.06	40613.51	570.664446			5
+ 4.20	4.21	4.24	33933.91	497.851981			6
4.20	4.23	4.24	101643.3	1491.231582			6
Height Summation:			**301654.48**				
Amount Avg CF:			**805.866374**	Linear:			
Aroclor-1254					6	48.35	
4.52	4.53	4.56	70283.27	861.424056			1
+ 4.52	4.55	4.56	13283.72	162.811377			1
4.58	4.59	4.62	535419	3260.716221			2
4.70	4.71	4.74	324218.6	6053.85014			3
4.79	4.80	4.83	340295.6	3733.294055			4
4.98	5.00	5.02	244970.5	3771.119368			5
5.10	5.12	5.14	659461.4	5784.786525			6
+ 5.10	5.14	5.14	29854.71	261.885114			6
Height Summation:			**2174648.37**				
Amount Avg CF:			**3910.865061**	Linear:			
Aroclor-1260					6	30.35	
4.70	4.71	4.74	324218.6	2510.384226			1
4.90	4.91	4.94	469651	3283.246626			2
5.11	5.12	5.15	659461.4	3817.031018			3
+ 5.11	5.14	5.15	29854.71	172.80216			3
5.33	5.35	5.37	160345.3	1730.369262			4
5.57	5.58	5.61	446544.7	2055.492292			5
5.78	5.79	5.82	316676.8	2248.689568			6
Height Summation:			**2376897.8**				
Amount Avg CF:			**2607.535499**	Linear:			
Aroclor-1262					6	40.73	
5.17	5.18	5.21	149764.3	960.802773			1
5.33	5.35	5.37	160345.3	1231.141717			2
5.57	5.58	5.61	446544.7	1632.036075			3
5.78	5.79	5.82	316676.8	1666.808831			4
5.83	5.84	5.87	39173.96	421.853311			5
6.20	6.22	6.24	103995.1	989.704432			6
Height Summation:			**1216500.16**				
Amount Avg CF:			**1150.39119**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 14:07:35
Instrument : CP20--17342B
Result file : 20PCBS17275004B.080.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	56.37	
+ 3.32	3.32	3.36	13941.48	117.570691			1
3.32	3.34	3.36	139578.9	1177.090793			1
3.39	3.41	3.43	147433.4	781.500654			2
3.43	3.45	3.47	211932.5	660.546135			3
3.55	3.57	3.59	152253.9	399.754393			4
+ 3.64	3.64	3.68	45801.09	173.899806			5
3.64	3.66	3.68	157572.5	598.278931			5
3.77	3.79	3.81	709154.1	1796.652981			6
Height Summation:			**1517925.3**				
Amount Avg CF:			**902.303981**	Linear:			
Aroclor-1254					6	50.26	
4.06	4.08	4.10	476236.4	1401.833898			1
4.12	4.14	4.16	1941419	3579.516562			2
4.21	4.23	4.25	1476659	5070.98522			3
4.34	4.36	4.38	1759721	9010.410689			4
4.44	4.46	4.47	1147154	6010.574405			5
4.57	4.58	4.61	2453624	7505.477037			6
Height Summation:			**9254813.4**				
Amount Avg CF:			**5429.799635**	Linear:			
Aroclor-1260					6	46.66	
4.34	4.36	4.38	1759721	3488.47609			1
4.44	4.46	4.48	1147154	2750.215944			2
4.57	4.58	4.61	2453624	5930.84707			3
4.78	4.80	4.82	652095	1755.738816			4
+ 4.78	4.82	4.82	553821.8	1491.142289			4
4.98	4.99	5.01	1562908	2346.475478			5
5.24	5.25	5.28	1204253	2659.686252			6
Height Summation:			**8779755**				
Amount Avg CF:			**3155.239941**	Linear:			
Aroclor-1262					6	38.15	
4.60	4.62	4.64	428574.9	840.618198			1
4.78	4.80	4.82	652095	1212.398315			2
4.98	4.99	5.01	1562908	1915.063021			3
5.19	5.21	5.23	312817.1	809.21502			4
5.24	5.25	5.28	1204253	2012.997867			5
5.62	5.64	5.66	444910.7	1321.614891			6
Height Summation:			**4605558.7**				
Amount Avg CF:			**1351.984552**	Linear:			
Aroclor-1268					6	125.11	
5.19	5.21	5.23	312817.1	301.850775			1
5.24	5.25	5.28	1204253	1239.78325			2
5.39	5.41	5.43	59107.17	59.731667			3
5.46	5.48	5.50	4706.166	17.7875			4
5.62	5.64	5.66	444910.7	1363.80855			5
5.82	5.84	5.86	100572.4	32.895109			6
Height Summation:			**2126366.536**				
Amount Avg CF:			**502.642809**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229380** MSD ACF DF50 95A11 ID: AC **Batchnumber: 172760009A**
Sample Amount: 10.48 g Total Volume: 500 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 14:07:35
Instrument : CP20--17342A
Result file : 20PCBS17275004.080.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**97.90**	
5.77	5.79	5.81	316676.8	910.13364			1
5.83	5.84	5.87	39173.96	132.776466			2
5.96	5.98	6.00	2385.052	8.029002			3
+ 6.03	6.03	6.07	7803.879	114.172757			4
6.03	6.06	6.07	62033.69	907.568837			4
6.20	6.22	6.24	103995.1	960.453621			5
6.40	6.42	6.44	21107.14	21.864663			6

Height Summation: **545371.742**
Amount Avg CF: **490.137705** Linear:

Analysis Report (B)

Injected on : Oct 05, 2017 14:07:35
Instrument : CP20--17342B
Result file : 20PCBS17275004B.080.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2433.2062	472.3283		21.69	4	40	
Aroclor-1221			2433.2062	729.9619		10.74	3	5	
Aroclor-1232			2433.2062	586.8321		30.04	4	40	
Aroclor-1242			2433.2062	586.8321		28.63	4	30	
Aroclor-1248			2433.2062	472.3283		11.29	4	40	
Aroclor-1254			2433.2062	629.771		32.52	4	40	
Aroclor-1260			2433.2062	558.2061		19.01	4	40	
Aroclor-1262			2433.2062	472.3283		16.11	4	40	
Aroclor-1268			2433.2062	472.3283		2.52	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229380MSD ACF DF50AC95A11 MSD 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 2:07:35 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.080.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.024		1894	1961
2.061		4035	5470
2.113		4549	4894
2.181		2345	1412
2.202		2227	1732
2.304		9094	7141
2.346		1183	894
2.371		1480	899
2.398		3554	4717
2.469		1043	1255
2.493		4062	3881
2.584		4237	3935
2.627		1981	1436
2.674		3899	4177
2.718		1257	1540
2.761		3297	2707
2.845		2928	2434
2.904	TCX	81421	54629
2.928		2176	1355
3.01		2987	2634
3.053		5871	4997
3.093		1139	570
3.108		5025	3292
3.155		27436	20694
3.203		1815	1456
3.248		5022	4466
3.37		27146	16078
3.386		14693	7782
3.424		2856	1624
3.451		2309	2730
3.484		33333	23866
3.558		3511	2013
3.593		6057	3152
3.651		12467	7396
3.662		33225	16651
3.698		43594	33516
3.754		33028	23709
3.793		3611	2800
3.822		48388	34772
3.848		36800	25340
3.871		26166	15902
3.944		34388	23394
3.968		17764	11400
3.999		37758	27109
4.032		40614	39158
4.073		9809	8320
4.107		2173	1385
4.135		3353	3039
4.156		8352	6027
4.191		113917	79239
4.208		33934	17383
4.234		101643	84462
4.301		83388	68998
4.343		249036	257832

RT A	Compound A	Height A	Area A
4.377		142410	117382
4.417		22948	16852
4.439		18379	12590
4.481		72657	62530
4.53		70283	51572
4.547		13284	5450
4.561		24330	13297
4.591		535419	465002
4.64		106930	127052
4.675		26140	16983
4.715		324219	314063
4.761		43393	38745
4.802		340296	321525
4.832		5163	2885
4.861		90691	83957
4.912		469651	595854
4.963		43951	37619
5.001		244971	260931
5.046		33214	24293
5.083		54028	70050
5.117		659461	611797
5.14		29855	14389
5.158		15539	7846
5.184		149764	131168
5.226		99219	98678
5.323		131475	104935
5.347		160345	125302
5.38		12884	8355
5.402		71423	54673
5.441		60103	50429
5.467		2705	1356
5.523		109690	99598
5.556		13060	10696
5.583		446545	431534
5.672		2385	1851
5.727		1131	808
5.788		316677	287627
5.819		18179	12042
5.842		39174	48068
5.955		8695	7787
5.979		2385	1829
6.011		1230	778
6.033		7804	5903
6.059		62034	57270
6.095		1423	1113
6.125		3727	3170
6.188		4063	2829
6.216		103995	101583
6.261		6065	5713
6.419		21107	19848
6.534		1833	1624
6.569	DCB	55244	55643
6.602		2808	3085
6.734		8206	22089
6.842		12127	20500
7.154		1535	2904
7.417		1317	3267
7.581		773	1765
7.655		978	764
7.909		1855	7846
8.073		879	1202
8.186		867	1411
8.363		3302	6890
8.516		8630	19824
8.665		6261	19002

LANCASTER LABORATORIES

Sample Number: 9229380MSD ACF DF50AC95A11 MSD 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 2:07:35 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.080.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.074		22217	21873
2.118		6895	13663
2.174		15230	17737
2.22		6373	6684
2.27		15317	16727
2.331		3941	5284
2.364		11880	10420
2.404		8739	13266
2.459		15471	21385
2.533	TCX	323437	210266
2.578		11170	11070
2.638		13730	15819
2.706		25240	15798
2.75		6765	4236
2.767		20535	14200
2.818		116698	85839
2.862		3678	2700
2.901		6298	7218
2.928		9706	5598
2.981		9848	16894
3.025		93314	45367
3.036		28486	11408
3.066		2201	1641
3.077		12523	6449
3.098		15584	10397
3.122		11181	5034
3.146		141853	95079
3.184		18733	12557
3.229		30894	15082
3.245		25317	14362
3.267		6641	3507
3.295		44189	25490
3.303		124723	57314
3.324		13941	5743
3.337		139579	99155
3.372		5233	3588
3.41		147433	98977
3.447		211933	135440
3.47		220792	124176
3.488		134441	70750
3.572		152254	92550
3.595		81369	41770
3.615		158400	102194
3.644		45801	23495
3.661		157573	96566
3.699		70699	52109
3.739		30886	22899
3.767		67395	38921
3.788		709154	465090
3.812		259106	145488
3.831		187335	103629
3.852		357913	236401
3.887		1019082	715193
3.916		570024	355468

RT B	Compound B	Height B	Area B
3.931		74770	30541
3.955		127668	78082
3.992		112792	93940
4.025		297897	205815
4.046		21506	14867
4.08		476236	359415
4.115		198500	183575
4.139		1941419	1674831
4.176		278825	250065
4.228		1476659	1246319
4.264		210717	166749
4.296		1179965	821345
4.32		418740	306821
4.362		1759721	1467071
4.413		15091	14777
4.459		1147154	1300802
4.508		717218	619809
4.549		516209	465057
4.585		2453624	2176375
4.617		428575	322385
4.655		405879	332598
4.711		16930	12227
4.751		82697	54950
4.769		103401	68138
4.801		652095	469597
4.823		553822	390788
4.873		479479	446368
4.907		254592	204075
4.938		182083	142684
4.97		300914	200300
4.992		1562908	1363965
5.035		38225	29161
5.064		50171	37146
5.101		82775	108526
5.166		7609	5831
5.186		10263	6325
5.209		312817	281888
5.251		1204253	1396325
5.352		4098	8237
5.409		59107	49103
5.456		56163	49396
5.477		4706	2356
5.501		103950	73515
5.527		195327	163192
5.574		7354	7646
5.609		27022	18701
5.637		444911	382897
5.669		28268	21928
5.756		3772	4320
5.838		100572	87957
5.888		5393	5936
5.996	DCB	267945	248933
6.033		18957	15042
6.087		3700	3889
6.124		2655	2511
6.323		6255	6776
6.367		6017	13967
6.483		40718	66781
6.616		3031	2168
6.68		3575	3293
6.731		1612	1396
6.789		2585	1452
6.996		3392	4664
7.111		2491	1515
7.262		1753	1207
7.399		3037	4303

RT B	Compound B	Height B	Area B
7.459		4176	5471
7.516		2276	1667
7.575		2769	3399
7.622		2658	2850
7.692		2257	4360
7.831		20022	39187
7.918		3774	7102
8.01		13243	25821
8.1		2077	2358
8.2		13485	30771
8.313		1645	712
8.346		5044	8908
8.619		1728	1195

9229380MSD ACF DF50AC95A11 MSD 172760009A 10225 SW-846 8C

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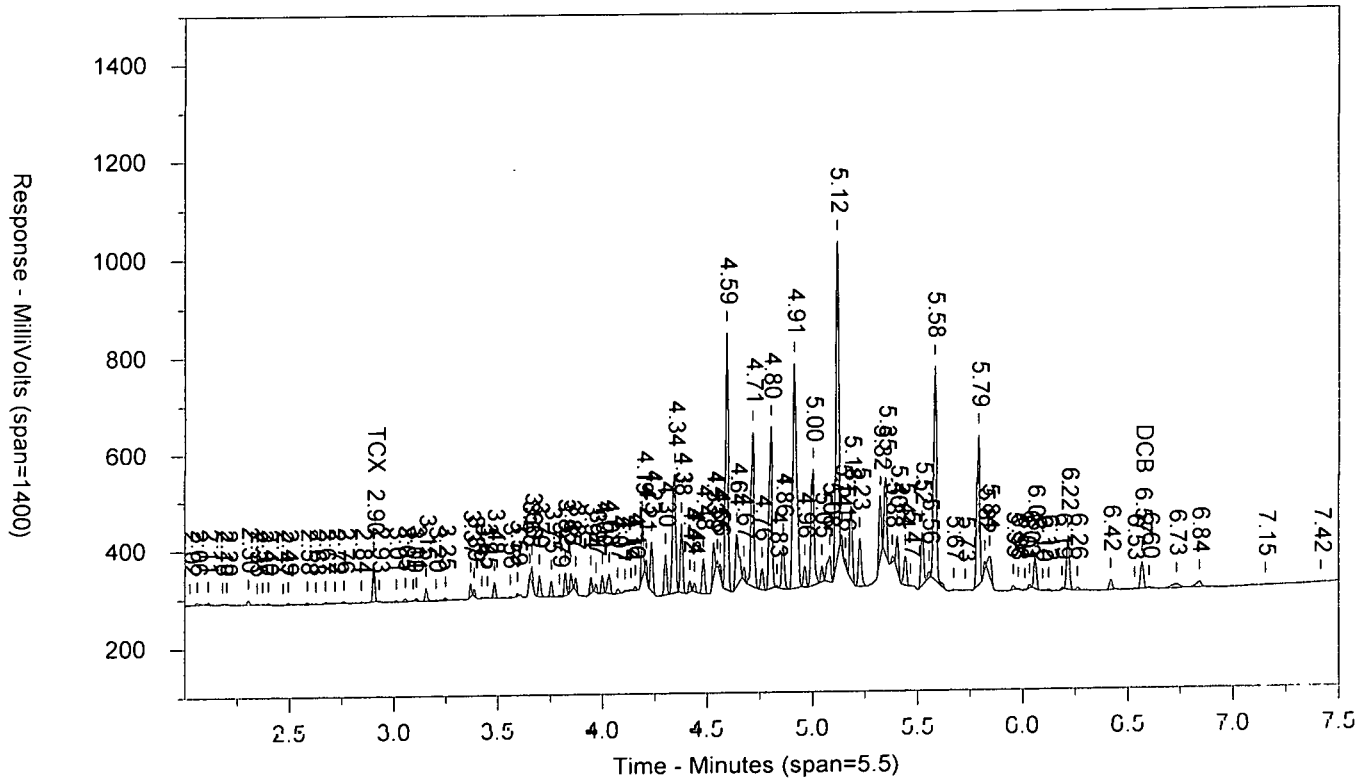

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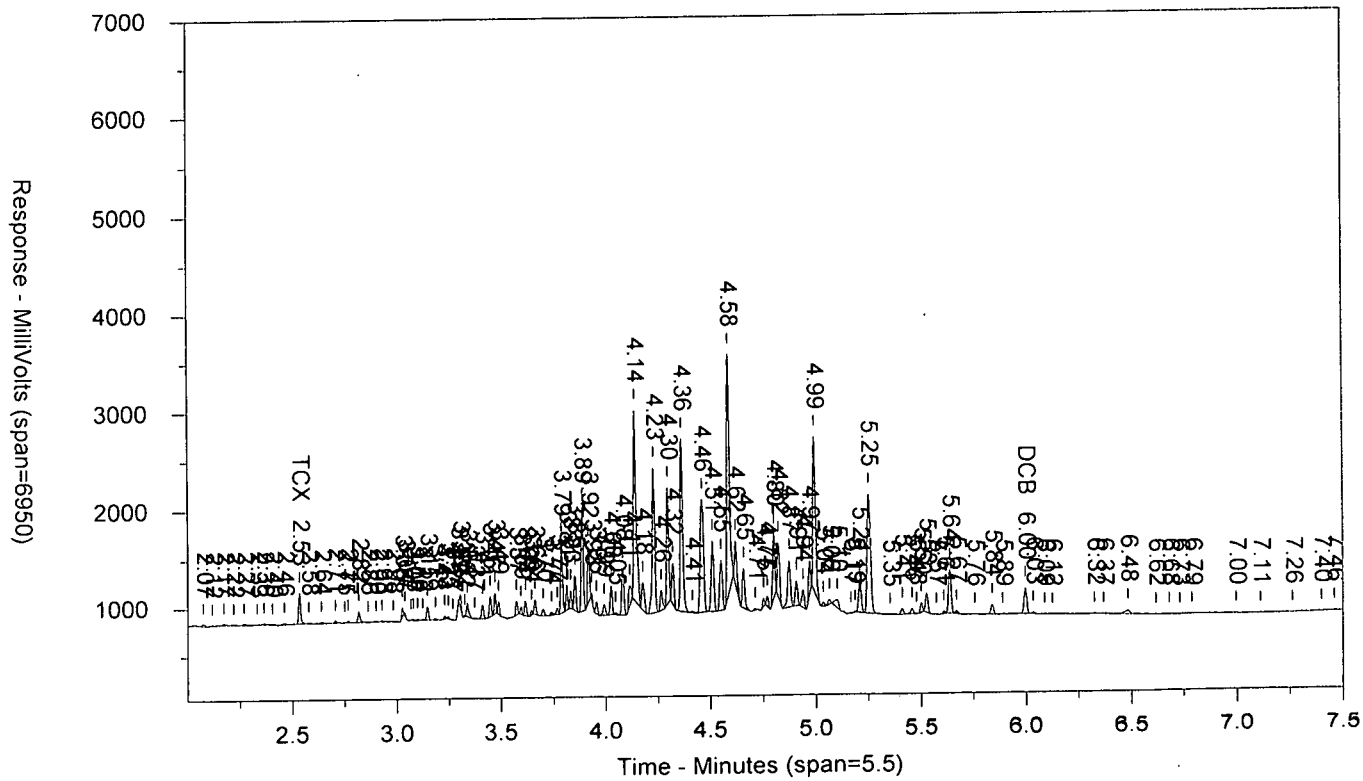

LANCASTER LABORATORIES

Sample Number: 9229380MSD ACF DF50AC95A11 MSD 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 2:07:35 PM Sample Weight: 10.48
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	81421	20.356	TCX	2.533	323437	22.943	TCX
6.569	55244	20.569	DCB	5.996	267945	27.165	DCB

Files:
Area File: 20PCBs17275004.080.RAW
Area File: 20PCBs17275004B.080.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 2:16:19 PM
File Reported On: 10/5/2017 at 2:16:31 PM

9229380MSD ACF DF50AC95A11 MSD 172760009A 10225 SW-846 80

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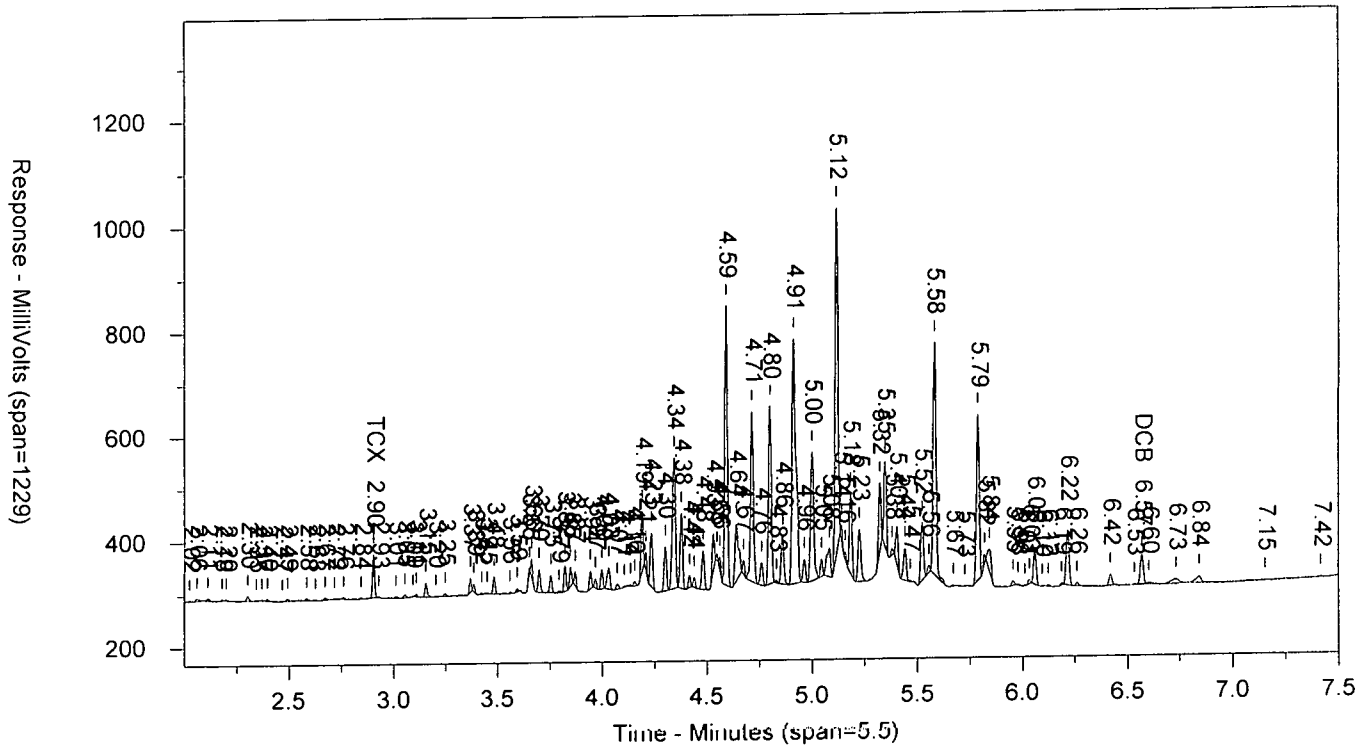

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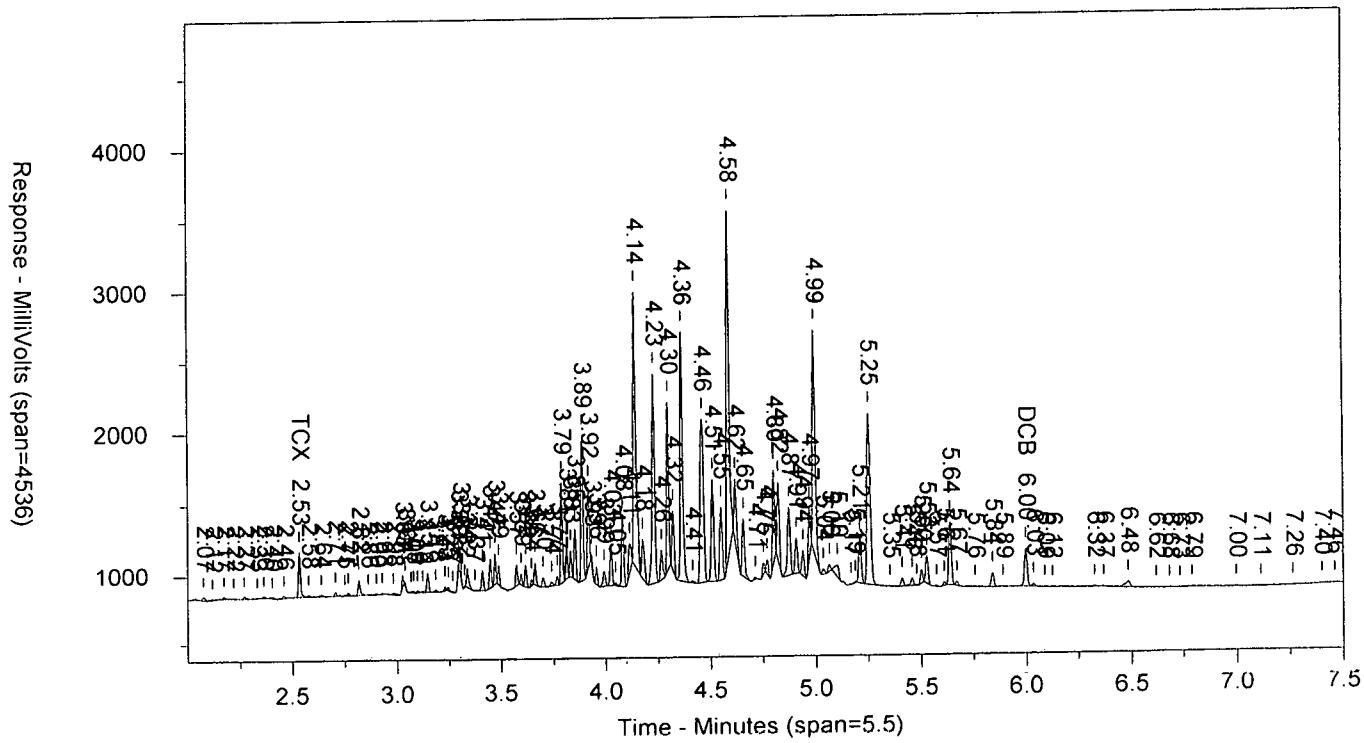

9229380MSD ACF DF50AC95A11 MSD 172760009A 10225 SW-846 80

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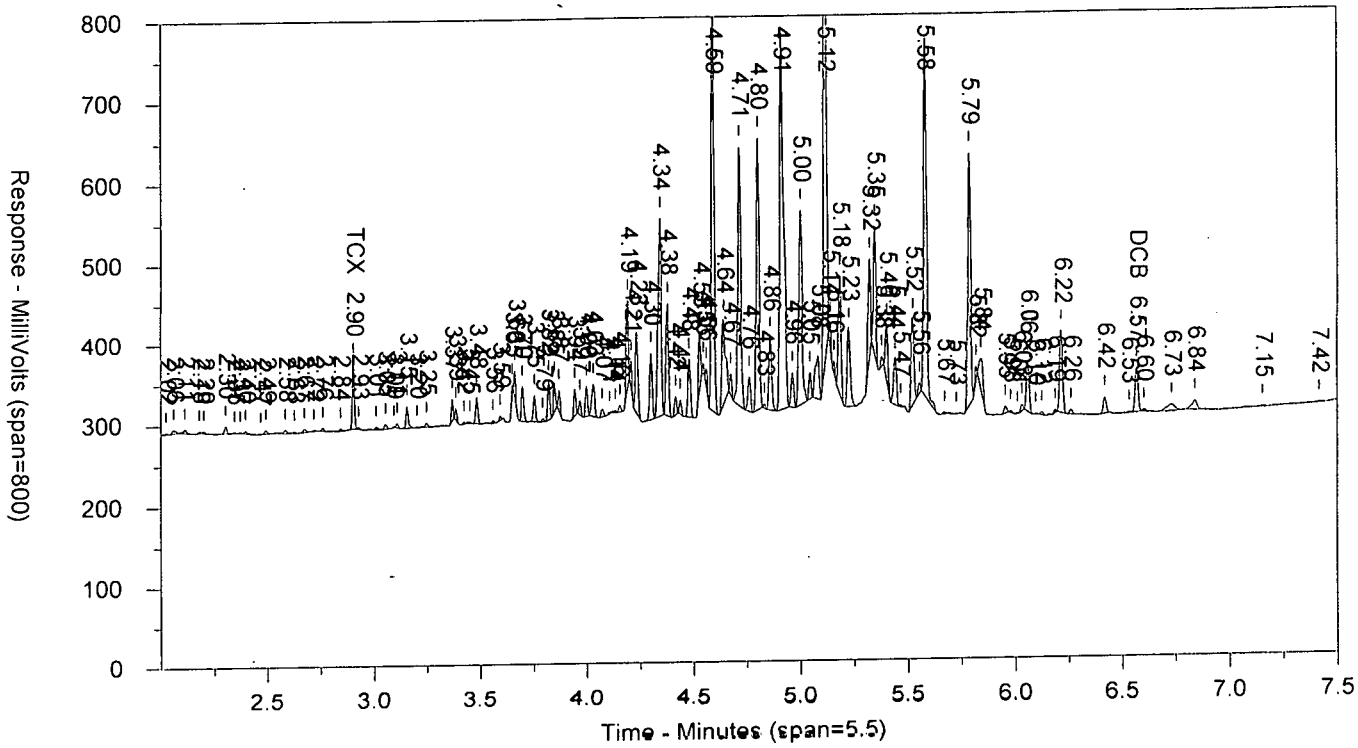

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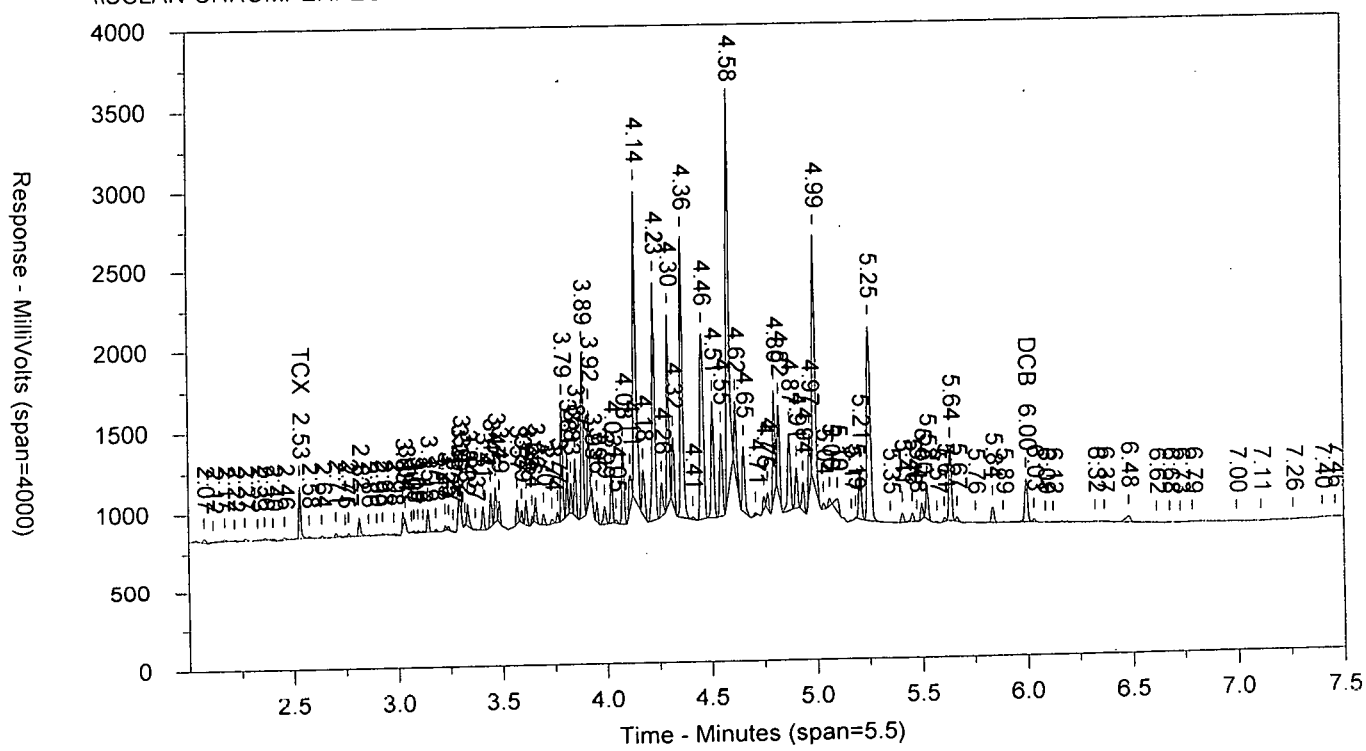

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Data Summary

Sample Name: LCSA 10/3/17 ACF LCS09276 LCS Sample ID: AB **Batchnumber:** 172760009A
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 09:56:01
Instrument	17342A
Result file	20PCBS17275004.058.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

%SSR(TCX) 105% (61 - 152) Conc: 32.1475
%SSR(DCB) 98% (48 - 164) Conc: 26.61093

Analysis Report (B)

Injected on	Oct 05, 2017 09:56:01
Instrument	17342B
Result file	20PCBS17275004B.058.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

%SSR(TCX) 87% (61 - 152) Conc: 26.57295
%SSR(DCB) 98% (48 - 164) Conc: 26.59557

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.90	2.94	6134909	32.1475
Decachlorobiphenyl	6.55	6.57	6.61	3409882	26.61093

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	17872850	26.57295
Decachlorobiphenyl	5.97	6.00	6.03	12515660	26.59557

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	32.1475				18.99	
☐ Tetrachloro-m-xylene-D1	A	32.1475					
☐ Tetrachloro-m-xylene-D2	B	26.57295					
☐ Decachlorobiphenyl	A	26.61093				0.06	
☐ Decachlorobiphenyl-D1	A	26.61093					
☐ Decachlorobiphenyl-D2	B	26.59557					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.02**	
3.14	3.15	3.18	1415674	472.554157			1
3.36	3.37	3.40	1593603	497.061565			2
3.47	3.48	3.51	1770946	472.338982			3
3.68	3.70	3.72	2229761	512.630118			4
3.74	3.75	3.78	1914458	518.195092			5
3.93	3.94	3.97	1406382	483.821089			6
Height summation:			**10330824**				
Concentration		CF:	**492.766834**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						7.95	
2.80	2.82	2.84	4455184	380.764008			1
3.13	3.14	3.17	5516431	370.413051			2
3.32	3.34	3.36	5909260	450.116959			3
3.39	3.41	3.43	6593222	444.266804			4
3.45	3.47	3.49	4704674	418.083405			5
3.55	3.57	3.59	5287926	401.505418			6
Height summation:			**32466697**				
Concentration		CF:	**410.858274**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**5.18**	
4.70	4.71	4.74	3211189	521.14601			1
4.90	4.91	4.94	3940795	577.435363			2
5.11	5.12	5.15	4609438	559.210819			3
5.33	5.35	5.37	2245971	508.016689			4
5.57	5.58	5.61	5958630	574.895105			5
5.78	5.79	5.82	3686264	548.644425			6
Height summation:			**23652287**				
Concentration		CF:	**548.224735**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						15.87	
4.34	4.36	4.38	13606480	565.365105			1
4.44	4.46	4.48	10302620	517.706993			2
4.57	4.58	4.61	14190820	718.964562			3
4.78	4.80	4.82	8133162	458.98632			4
4.98	4.99	5.01	20541200	646.39754			5
5.24	5.25	5.28	12447850	576.233226			6
Height summation:			**79222132**				
Concentration		CF:	**580.608958**	L:			

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:12

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Data Summary

Sample Name: LCSA 10/3/17 ACF LCS09276 LCS Sample ID: AB **Batchnumber:** 172760009A
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 05, 2017 09:56:01
Instrument	17342A
Result file	20PCBS17275004.058.RAW
Calibration file	20PCBS1727501
Method file	20PCBS

Analysis Report (B)

Injected on	Oct 05, 2017 09:56:01
Instrument	17342B
Result file	20PCBS17275004B.058.RAW
Calibration file	20PCBS1727501B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	492.766834	51	9.9		18.13	4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260	A	580.608958	51	11.7		5.74	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	1073.375792	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 0 9 2017

Reviewed and digitally signed by Jessica L Miller on 10/5/2017 19:22:12

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/3/17 ACF LCS09276 ID: AB **Batchnumber: 172760009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

1571
1260
B005
PCB

Analysis Report (A)

Injected on : Oct 05, 2017 09:56:01
Instrument : CP20--17342A
Result file : 20PCBS17275004.058.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 105% (61-152) Conc.: 32.1475
%SSR(DCB) : 98% (48-164) Conc.: 26.61093

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	4.02	
3.14	3.15	3.18	1415674	472.554157			1
3.36	3.37	3.40	1593603	497.061565			2
+ 3.36	3.39	3.40	715204.8	223.079912			2
3.47	3.48	3.51	1770946	472.338982			3
3.68	3.70	3.72	2229761	512.630118			4
3.74	3.75	3.78	1914458	518.195092			5
3.93	3.94	3.97	1406382	483.821089			6
+ 3.93	3.97	3.97	478741.7	164.695887			6
Height Summation:			**10330824**				
Amount Avg CF:			**492.766834**	Linear:			
Aroclor-1221					3	35.74	
3.04	3.05	3.08	243371.8	168.811931			1
E 3.09	3.11	3.13	310351.2	241.953648			2
E 3.14	3.15	3.18	1415674	348.750852			3
Height Summation:			**1969397**				
Amount Avg CF:			**253.172144**	Linear:			
Aroclor-1232					6	30.60	
E 3.14	3.15	3.18	1415674	404.601032			1
E 3.36	3.37	3.40	1593603	1140.586575			2
E+ 3.36	3.39	3.40	715204.8	511.89223			2
E 3.47	3.48	3.51	1770946	1054.641491			3
E 3.68	3.70	3.72	2229761	1113.265544			4
E 3.74	3.75	3.78	1914458	1194.467071			5
E 3.93	3.94	3.97	1406382	877.468708			6
E+ 3.93	3.97	3.97	478741.7	298.69613			6
Height Summation:			**10330824**				
Amount Avg CF:			**964.171737**	Linear:			
Aroclor-1242					6	3.52	
E 3.14	3.15	3.18	1415674	337.118214			1
E 3.35	3.37	3.39	1593603	361.14953			2
+ 3.35	3.39	3.39	715204.8	162.082951			2
E 3.47	3.48	3.51	1770946	338.661243			3
E 3.68	3.70	3.72	2229761	364.115435			4
E 3.74	3.75	3.78	1914458	360.303456			5
E 3.93	3.94	3.97	1406382	343.381388			6
+ 3.93	3.97	3.97	478741.7	116.889287			6
Height Summation:			**10330824**				
Amount Avg CF:			**350.788211**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 09:56:01
Instrument : CP20--17342B
Result file : 20PCBS17275004B.058.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 87% (61-152) Conc.: 26.57295
%SSR(DCB) : 98% (48-164) Conc.: 26.59557

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	7.95	
2.80	2.82	2.84	4455184	380.764008			1
3.13	3.14	3.17	5516431	370.413051			2
+ 3.13	3.16	3.17	139719.7	9.381791			2
+ 3.32	3.32	3.36	175073.2	13.335581			3
3.32	3.34	3.36	5909260	450.116959			3
3.39	3.41	3.43	6593222	444.266804			4
3.45	3.47	3.49	4704674	418.083405			5
+ 3.45	3.49	3.49	1545201	137.315124			5
3.55	3.57	3.59	5287926	401.505418			6
+ 3.55	3.59	3.59	2082262	158.103475			6
Height Summation:			**32466697**				
Amount Avg CF:			**410.858274**	Linear:			
Aroclor-1221					3	32.58	
2.69	2.70	2.73	1043923	155.061777			1
+ 2.75	2.75	2.79	215217	51.586371			2
E 2.75	2.77	2.79	859201.4	205.94601			2
E 2.80	2.82	2.84	4455184	295.947585			3
Height Summation:			**6358308.4**				
Amount Avg CF:			**218.985124**	Linear:			
Aroclor-1232					6	30.81	
E 2.80	2.82	2.84	4455184	342.973839			1
E 3.13	3.14	3.17	5516431	785.029241			2
+ 3.13	3.16	3.17	139719.7	19.883155			2
+ 3.32	3.32	3.36	175073.2	28.356285			3
E 3.32	3.34	3.36	5909260	957.11199			3
E 3.39	3.41	3.43	6593222	999.457676			4
E 3.45	3.47	3.49	4704674	1026.007495			5
E+ 3.45	3.49	3.49	1545201	336.981438			5
E 3.55	3.57	3.59	5287926	968.795082			6
E+ 3.55	3.59	3.59	2082262	381.488921			6
Height Summation:			**32466697**				
Amount Avg CF:			**846.562554**	Linear:			
Aroclor-1242					6	6.99	
E 2.80	2.82	2.84	4455184	289.133382			1
E 3.13	3.14	3.17	5516431	289.254151			2
+ 3.13	3.16	3.17	139719.7	7.326205			2
+ 3.32	3.32	3.36	175073.2	10.00627			3
E 3.32	3.34	3.36	5909260	337.742443			3
E 3.39	3.41	3.43	6593222	337.453319			4
E 3.45	3.47	3.49	4704674	319.638366			5
+ 3.45	3.49	3.49	1545201	104.98188			5
E 3.55	3.57	3.59	5287926	308.482813			6
Height Summation:			**32466697**				
Amount Avg CF:			**313.617412**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/3/17 ACF LCS09276 ID: AB **Batchnumber: 172760009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 09:56:01
Instrument : CP20--17342A
Result file : 20PCBS17275004.058.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	72.53	
E 3.68	3.70	3.72	2229761	1148.899016			1
3.74	3.75	3.78	1914458	875.246276			2
3.81	3.82	3.85	1274920	332.807687			3
3.93	3.94	3.97	1406382	324.538681			4
+ 3.93	3.97	3.97	478741.7	110.475105			4
4.02	4.03	4.06	1471642	433.414806			5
+ 4.20	4.21	4.24	284729.8	87.556932			6
4.20	4.23	4.24	379679.9	116.754928			6
Height Summation:			**8676842.9**				
Amount Avg CF:			**538.610232**	Linear:			
Aroclor-1254					6	96.79	
+ 4.52	4.53	4.56	189066.5	48.570313			1
4.52	4.55	4.56	297302.2	76.375565			1
4.58	4.59	4.62	942322.4	120.284597			2
E 4.70	4.71	4.74	3211189	1256.755764			3
4.79	4.80	4.83	528704.2	121.573775			4
4.98	5.00	5.02	1766835	570.090446			5
5.10	5.12	5.14	4609438	847.495133			6
+ 5.10	5.14	5.14	178039.3	32.734455			6
Height Summation:			**11355790.8**				
Amount Avg CF:			**498.762547**	Linear:			
Aroclor-1260					6	5.18	
4.70	4.71	4.74	3211189	521.14601			1
4.90	4.91	4.94	3940795	577.435363			2
5.11	5.12	5.15	4609438	559.210819			3
+ 5.11	5.14	5.15	178039.3	21.599488			3
5.33	5.35	5.37	2245971	508.016689			4
5.57	5.58	5.61	5958630	574.895105			5
5.78	5.79	5.82	3686264	548.644425			6
Height Summation:			**23652287**				
Amount Avg CF:			**548.224735**	Linear:			
Aroclor-1262					6	33.58	
E 5.17	5.18	5.21	2101982	282.648196			1
E 5.33	5.35	5.37	2245971	361.449173			2
E 5.57	5.58	5.61	5958630	456.459775			3
E 5.78	5.79	5.82	3686264	406.674797			4
5.83	5.84	5.87	691063.2	155.981478			5
E 6.20	6.22	6.24	1356313	270.547697			6
Height Summation:			**16040223.2**				
Amount Avg CF:			**322.293519**	Linear:			

Analysis Report (B)

Injected on : Oct 05, 2017 09:56:01
Instrument : CP20--17342B
Result file : 20PCBS17275004B.058.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	59.81	
+ 3.32	3.32	3.36	175073.2	30.945759			1
E 3.32	3.34	3.36	5909260	1044.514729			1
3.39	3.41	3.43	6593222	732.524985			2
+ 3.43	3.45	3.47	4394288	287.068401			3
3.43	3.47	3.47	4704674	307.345181			3
3.55	3.57	3.59	5287926	291.005681			4
+ 3.55	3.59	3.59	2082262	114.591254			4
+ 3.64	3.64	3.68	1415996	112.687719			5
3.64	3.66	3.68	4699397	373.987164			5
3.77	3.79	3.81	6325256	335.886825			6
Height Summation:			**33519735**				
Amount Avg CF:			**514.210761**	Linear:			
Aroclor-1254					6	71.72	
4.06	4.08	4.10	1572496	97.018554			1
+ 4.12	4.12	4.16	1383707	53.473735			2
+ 4.12	4.14	4.16	1578804	61.013311			2
4.12	4.15	4.16	3366504	130.099466			2
4.21	4.23	4.25	11737120	844.821487			3
E 4.34	4.36	4.38	13606480	1460.28571			4
E 4.44	4.46	4.47	10302620	1131.444391			5
4.57	4.58	4.61	14190820	909.848449			6
Height Summation:			**54776040**				
Amount Avg CF:			**762.25301**	Linear:			
Aroclor-1260					6	15.87	
4.34	4.36	4.38	13606480	565.365105			1
4.44	4.46	4.48	10302620	517.706993			2
4.57	4.58	4.61	14190820	718.964562			3
4.78	4.80	4.82	8133162	458.98632			4
+ 4.78	4.82	4.82	1114892	62.91774			4
4.98	4.99	5.01	20541200	646.39754			5
5.24	5.25	5.28	12447850	576.233226			6
Height Summation:			**79222132**				
Amount Avg CF:			**580.608958**	Linear:			
Aroclor-1262					6	34.95	
E 4.60	4.62	4.64	6307317	259.303269			1
E 4.78	4.80	4.82	8133162	316.945912			2
E 4.98	4.99	5.01	20541200	527.553788			3
E 5.19	5.21	5.23	3737986	202.676035			4
E 5.24	5.25	5.28	12447850	436.125221			5
E 5.62	5.64	5.66	4943800	307.811077			6
Height Summation:			**56111315**				
Amount Avg CF:			**341.735884**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/3/17 ACF LCS09276 ID: AB **Batchnumber: 172760009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 05, 2017 09:56:01
Instrument : CP20--17342A
Result file : 20PCBS17275004.058.RAW
Calibration file : 20PCBS1727501.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**94.77**	
E 5.77	5.79	5.81	3686264	222.058107			1
5.83	5.84	5.87	691063.2	49.094481			2
5.96	5.98	6.00	70768.46	4.993381			3
+ 6.03	6.03	6.07	63322.07	19.417725			4
6.03	6.06	6.07	563945.6	172.934025			4
E 6.20	6.22	6.24	1356313	262.551633			5
6.40	6.42	6.44	339178.3	7.364322			6

Height Summation: **6707532.56**
Amount Avg CF: **119.832658** Linear:

Analysis Report (B)

Injected on : Oct 05, 2017 09:56:01
Instrument : CP20--17342B
Result file : 20PCBS17275004B.058.RAW
Calibration file : 20PCBS1727501B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**123.60**	
5.19	5.21	5.23	3737986	75.60156			1
E 5.24	5.25	5.28	12447850	268.604728			2
5.39	5.41	5.43	252770.3	5.354042			3
5.46	5.48	5.50	133787.4	10.598738			4
E 5.62	5.64	5.66	4943800	317.638203			5
5.82	5.84	5.86	1395243	9.565191			6

Height Summation: **22911436.7**
Amount Avg CF: **114.56041** 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		18.13	4	40	
Aroclor-1221			51	15.3	E	14.48	3	5	
Aroclor-1232			51	12.3	E	12.99	4	40	
Aroclor-1242			51	12.3	E	11.19	4	30	
Aroclor-1248			51	9.9	E	4.64	4	40	
Aroclor-1254			51	13.2	E	** 41.79	4	40	
Aroclor-1260			51	11.7		5.74	4	40	
Aroclor-1262			51	9.9	E	5.86	4	40	
Aroclor-1268			51	9.9	E	4.50	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/3/17 ACF ABLCS09276 LCS 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 9:56:01 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A 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: 20PCBs17275004.058.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1727501.CAL

RT A	Compound A	Height A	Area A
2.022		11137	14845
2.067		17685	20435
2.088		6330	3841
2.114		549492	395003
2.166		3450	1763
2.181		10410	6234
2.203		3724	1726
2.216		9055	6147
2.268		9285	8252
2.305		18645	14988
2.348		4366	2912
2.372		397268	256148
2.418		10481	7291
2.438		3508	1615
2.465		34547	24148
2.483		22206	12722
2.522		13030	11044
2.544		15325	10255
2.569		3967	1885
2.59		17326	13644
2.63		5830	4220
2.662		8702	5314
2.68		5504	2960
2.723		447342	319173
2.756		2787	2232
2.795		8921	6557
2.818		3860	1837
2.833		4076	1887
2.849		2747	1272
2.86		6023	2670
2.904	TCX	6134909	3985717
2.967		3205	2056
2.991		10929	6493
3.031		1548	736
3.052		243372	208860
3.108		310351	245708
3.155		1415674	958244
3.191		3671	1673
3.23		6195	2950
3.248		168883	111944
3.29		9300	12323
3.331		6167	5525
3.369		1593603	918377
3.386		715205	375816
3.422		163795	95009
3.439		24703	9354
3.449		79743	39631
3.483		1770946	1287356
3.52		5850	2943
3.534		6807	3446
3.56		97425	73303
3.592		392624	219030
3.607		185249	89735
3.628		27439	12594

RT A	Compound A	Height A	Area A
3.65		932098	493147
3.661		1926373	966260
3.697		2229761	1562458
3.753		1914458	1355808
3.794		135429	92155
3.821		1274920	924068
3.849		916467	728351
3.87		212808	115868
3.944		1406382	995602
3.968		478742	304945
3.998		511671	359035
4.031		1471642	1343500
4.071		417665	324193
4.118		61211	50811
4.156		82314	59543
4.19		1434795	1005048
4.208		284730	144385
4.232		379680	274246
4.301		207458	177744
4.343		1522956	1364175
4.377		45566	32288
4.414		2273	1566
4.439		11380	12361
4.479		106700	94325
4.531		189067	121093
4.548		297302	202318
4.591		942322	820797
4.639		1329172	1452071
4.676		289778	201638
4.715		3211189	2842199
4.759		12510	10066
4.8		528704	527807
4.832		26559	16494
4.861		550104	494504
4.913		3940795	4582044
4.963		651750	595410
5.002		1766835	1871839
5.045		15578	7321
5.083		312780	376189
5.116		4609438	4107139
5.139		178039	93753
5.157		40099	17703
5.183		2101983	1903136
5.226		1321224	1218181
5.279		3397	2579
5.321		546627	423112
5.346		2245971	1877368
5.403		1072693	969268
5.442		622089	624767
5.484		96479	101650
5.524		782139	828605
5.583		5958630	6049748
5.686		13892	20986
5.732		2358	2126
5.788		3686264	3419793
5.819		208477	134812
5.843		691063	777957
5.98		70768	88221
6.033		63322	49800
6.06		563946	496486
6.142		8768	19675
6.216		1356313	1350637
6.261		90657	82786
6.316		4642	5774
6.351		3616	2879
6.418		339178	328416

RT A	Compound A	Height A	Area A
6.445		9572	5786
6.504		4589	4533
6.566	DCB	3409882	3389992
6.837		18805	35386
7.03		902	2907
7.173		1931	1679
7.37		924	2238
7.423		1647	3551
7.501		1432	1726
7.771		736	5727
7.888		2565	7937
8.063		1496	2147
8.196		324	1539
8.358		5968	15625
8.513		10611	25318

LANCASTER LABORATORIES

Sample Number: LCSA 10/3/17 ACF ABLCS09276 LCS 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 9:56:01 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBs17275004B.058.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1727501b.CAL

RT B	Compound B	Height B	Area B
2.008		20306	8020
2.02		72988	29211
2.035		1356063	808547
2.061		46998	23355
2.079		37352	25572
2.106		19820	13529
2.119		100495	49946
2.134		33047	15626
2.156		27784	18681
2.184		19278	12311
2.206		9482	4153
2.219		41895	36594
2.273		10332	12264
2.287		13781	8546
2.32		38989	28869
2.353		975597	570553
2.382		988458	602614
2.418		18125	7227
2.434		24796	13158
2.453		10500	4534
2.47		51181	30058
2.491		26164	13833
2.512		28044	14121
2.533	TCX	17872850	10935930
2.577		372998	293637
2.624		73138	54303
2.654		43416	24443
2.677		12631	10442
2.705		1043923	741740
2.75		215217	105254
2.766		859201	494875
2.817		4455184	2909667
2.866		77548	59543
2.895		4601	1732
2.928		607903	391138
2.992		10991	11440
3.024		3455437	1679405
3.035		1212123	465218
3.075		754416	486254
3.096		353678	208106
3.122		456344	253347
3.145		5516431	3540482
3.163		139720	47152
3.182		216362	128844
3.229		1377468	716700
3.243		808404	397736
3.294		2740440	1368816
3.303		6384377	2544344
3.323		175073	71276
3.336		5909261	3981859
3.41		6593222	4087523
3.446		4394288	2782319
3.469		4704674	2595363
3.487		1545201	774538

RT B	Compound B	Height B	Area B
3.571		5287927	3541967
3.594		2082262	1122684
3.614		2054063	1213955
3.643		1415996	712937
3.659		4699397	2817633
3.699		1769920	1231265
3.746		234260	184125
3.766		1311777	747130
3.787		6325256	4028066
3.811		1395101	822949
3.83		207510	101600
3.851		885516	561889
3.886		5147147	3576374
3.917		267154	146782
3.931		339180	209440
3.99		59815	44543
4.024		361423	281322
4.046		29598	17290
4.079		1572496	1138252
4.12		1383707	857533
4.138		1578804	791500
4.152		3366504	1859637
4.177		2060243	2076377
4.227		11737120	8602905
4.275		133963	82958
4.295		1183607	772351
4.319		2476227	1908376
4.361		13606480	10552170
4.412		19652	20261
4.46		10302620	10542000
4.511		1453609	1240150
4.549		3194795	2702137
4.584		14190820	11666340
4.617		6307317	4505738
4.654		4758658	3834652
4.711		12175	9425
4.751		1405740	1040749
4.769		210729	108740
4.8		8133162	6427290
4.823		1114892	663312
4.872		4208665	3816987
4.907		2314243	1937237
4.938		1885350	1464459
4.969		949808	599267
4.993		20541200	16934020
5.034		470288	347383
5.063		642033	520619
5.101		153351	177734
5.185		213938	142465
5.208		3737986	3212556
5.253		12447850	14299990
5.369		44105	54161
5.409		252770	225668
5.456		454338	332923
5.478		133787	90901
5.527		2169976	2004133
5.582		9838	10045
5.637		4943800	4295297
5.669		343256	262511
5.752		18001	15919
5.786		15452	17810
5.838		1395243	1235894
5.885		14144	31325
5.959		9064	6431
5.996	DCB	12515670	11233910
6.17		12862	10968

RT B	Compound B	Height B	Area B
6.278		4449	5149
6.323		9614	10529
6.351		2722	2109
6.382		9699	15015
6.428		8748	6297
6.481		69184	101097
6.526		9152	9217
6.676		13367	13301
6.737		2061	2683
6.783		3716	4810
6.812		1928	1487
6.84		5073	6213
6.95		2823	2232
6.999		3329	5257
7.106		3885	6313
7.167		2605	5357
7.198		4846	3089
7.247		3064	3776
7.328		2552	8243
7.448		910	6609
7.565		2329	4021
7.677		5225	16370
7.73		4777	4352
7.828		27479	54211
7.925		4533	9991
8.008		16873	30877
8.066		2152	553
8.144		2872	1973
8.211		2734	3785
8.261		2512	2679
8.334		11071	26245
8.412		3386	2419
8.497		2065	1573
8.527		2993	2533
8.561		2804	4038

LCSA 10/3/17 ACF ABLCS09276 LCS 172760009A 10225 SW-846 8082

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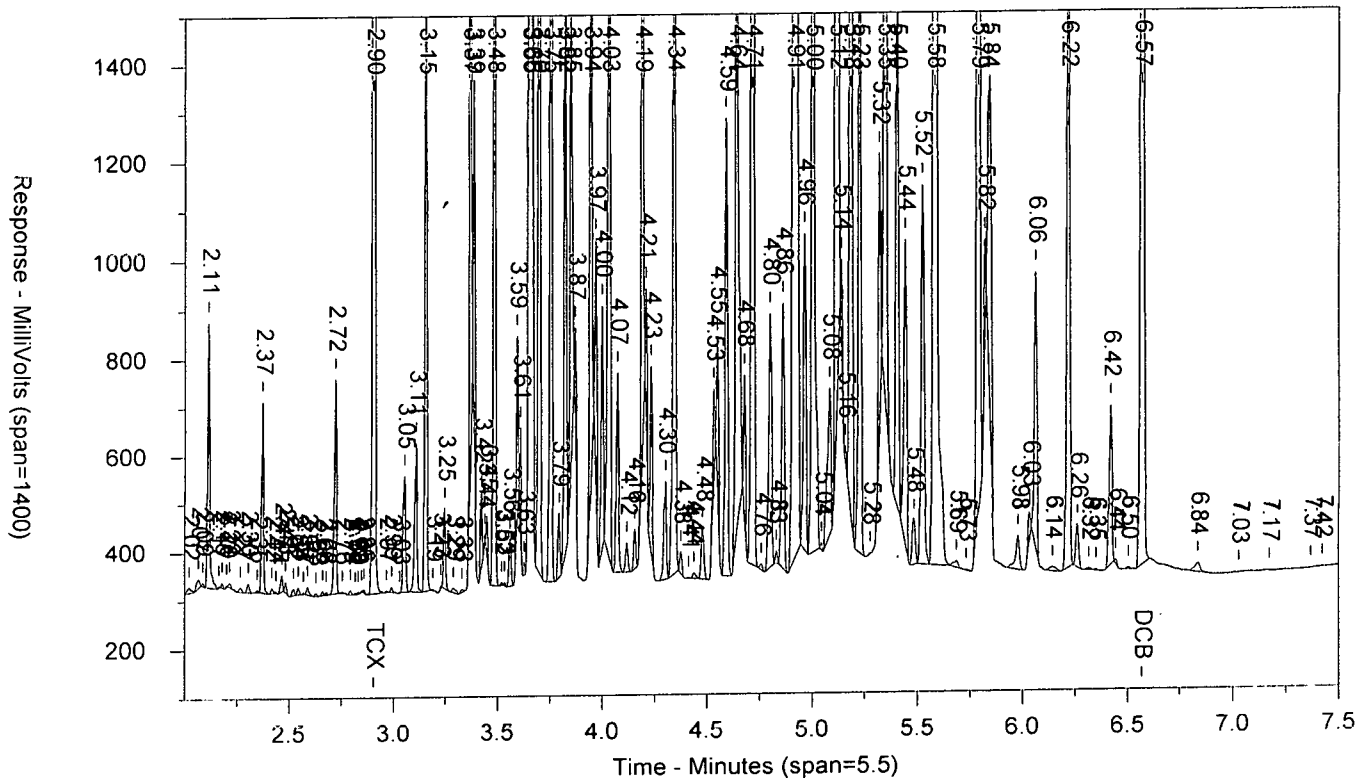

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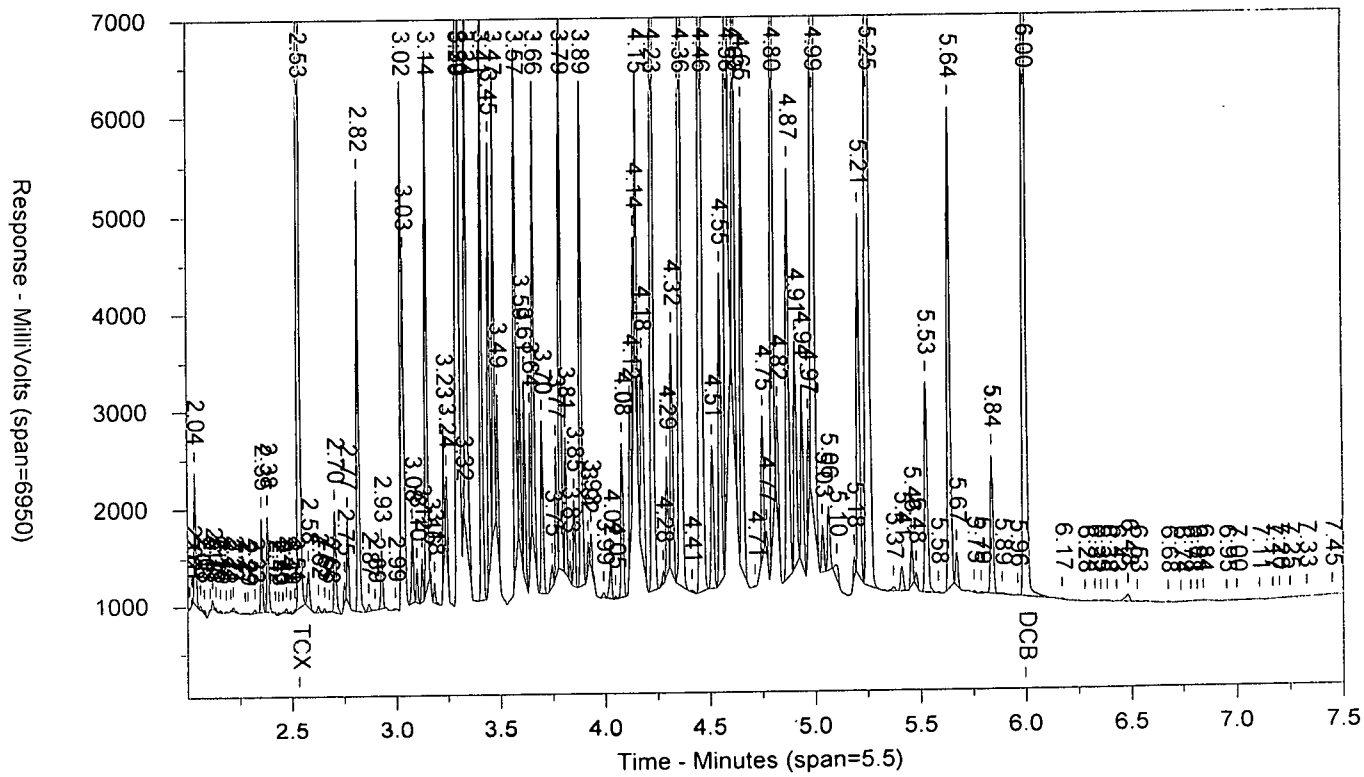

LANCASTER LABORATORIES

Sample Number: LCSA 10/3/17 ACF ABLCS09276 LCS 172760009A 10225 SW-846 8082
Injected On: 10/5/2017 9:56:01 AM Sample Weight: 10
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.904	6134909	32.148	TCX	2.533	17872850	26.573	TCX
6.566	3409882	26.611	DCB	5.996	12515670	26.596	DCB

Files:
Area File: 20PCBs17275004.058.RAW
Area File: 20PCBs17275004B.058.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1727501.CAL
Calibration File B: 20pcbs1727501b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 10/5/2017 10:04:42 AM
File Reported On: 10/5/2017 at 10:04:54 AM

LCSA 10/3/17 ACF ABLCS09276 LCS 172760009A 10225 SW-846 8082

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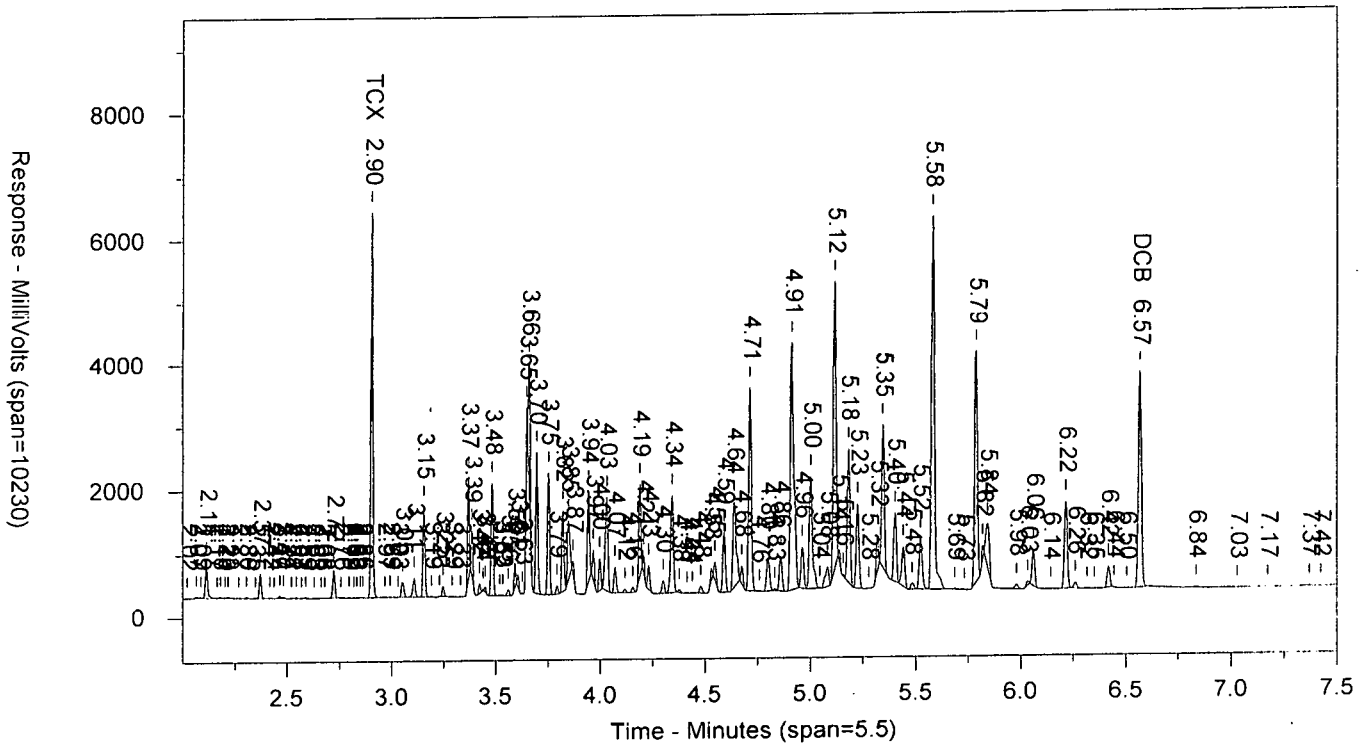

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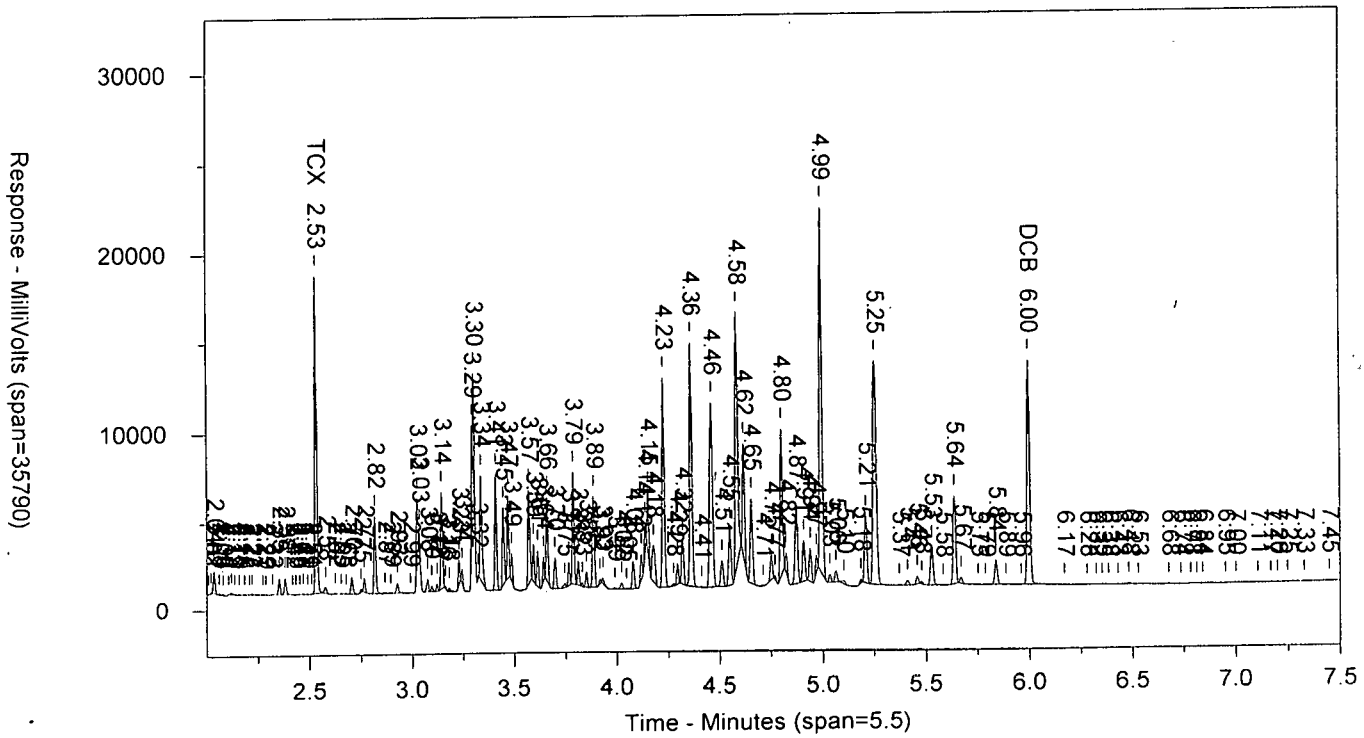

LCSA 10/3/17 ACF ABLCS09276 LCS 172760009A 10225 SW-846 8082

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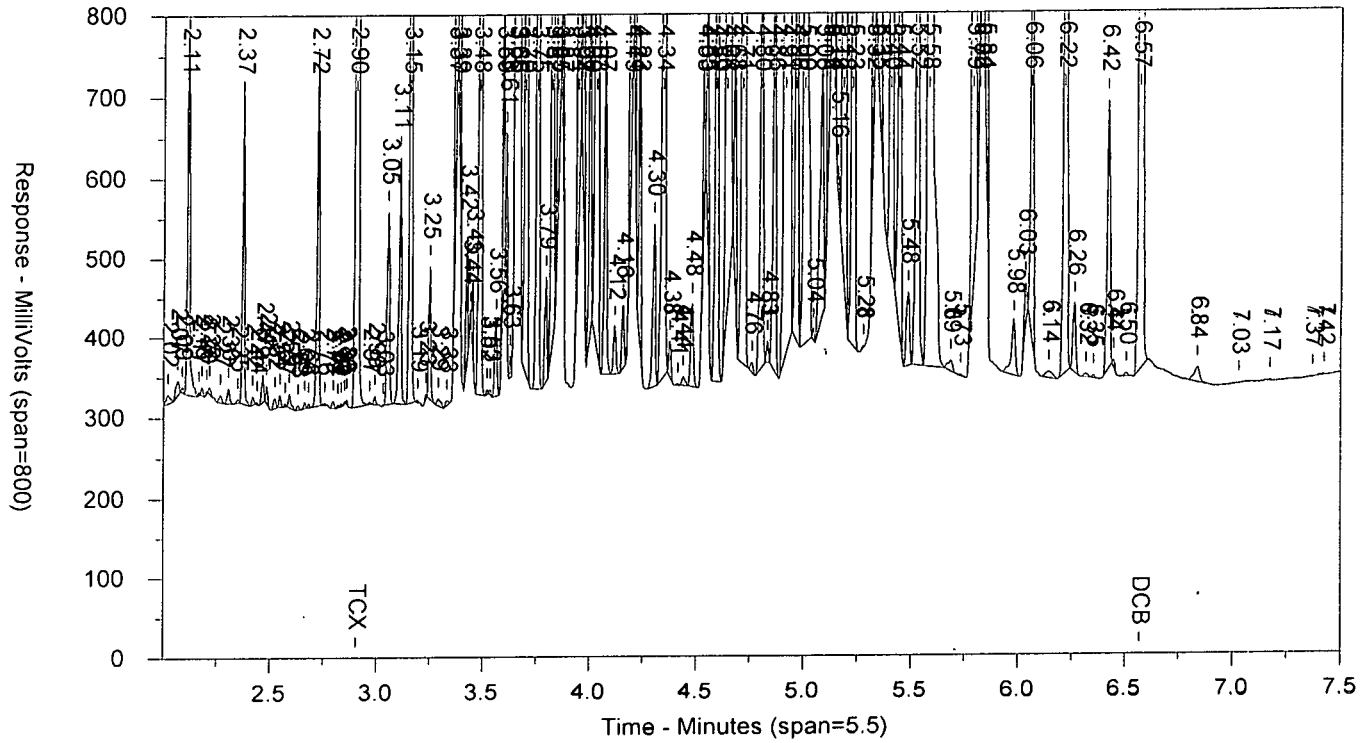

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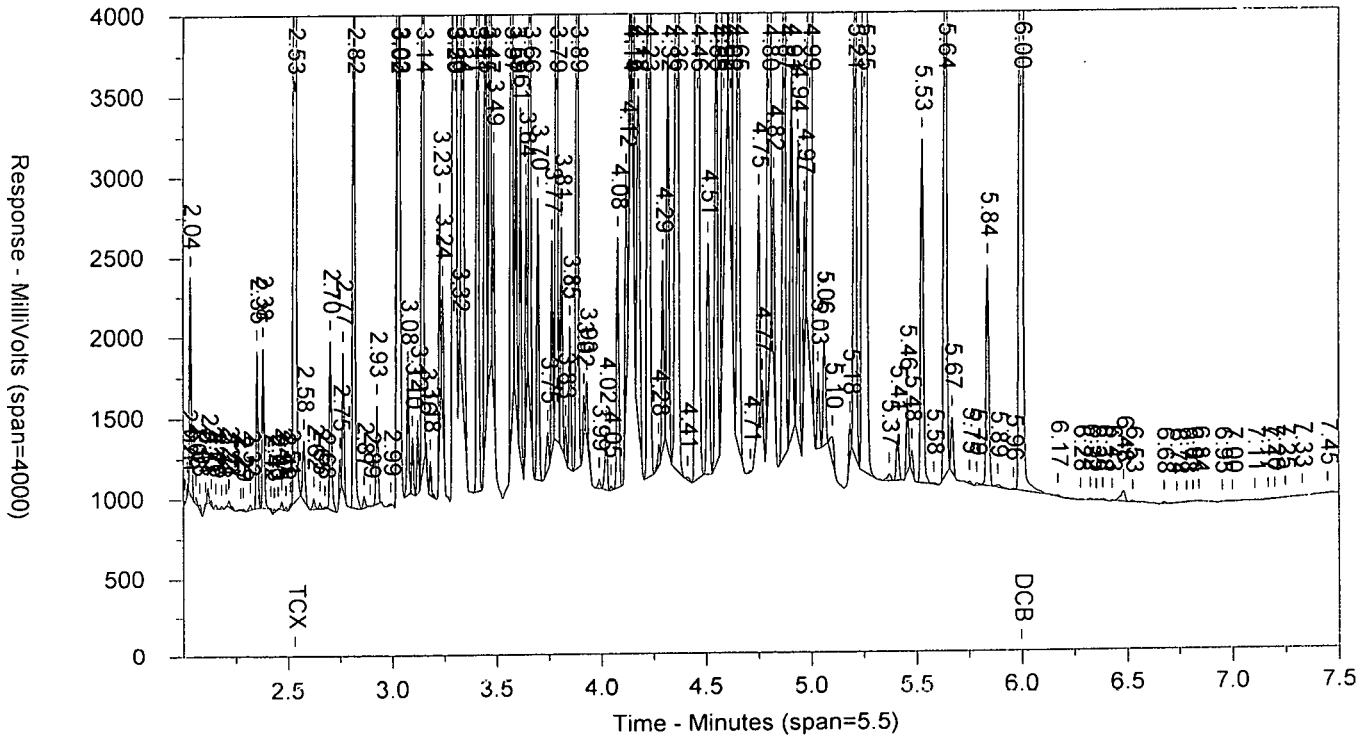

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 10/6/17 RI AC PBLK31278 BLK Sample ID: AB **Batchnumber: 172780031A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 05:47:32
Instrument	18274A
Result file	25PCBS17284001.046.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 102% (61 - 152) Conc: 31.24605

%SSR(DCB) 110% (48 - 164) Conc: 29.79585

Analysis Report (B)

Injected on	Oct 12, 2017 05:47:32
Instrument	18274B
Result file	25PCBS17284001B.046.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 30.31872

%SSR(DCB) 109% (48 - 164) Conc: 29.52588

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4714115	31.24605	Tetrachloro-m-xylene	2.58	2.61	2.64	8259936	30.31872
Decachlorobiphenyl	6.57	6.60	6.63	2872064	29.79585	Decachlorobiphenyl	6.07	6.10	6.13	8938546	29.52588

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	31.24605				3.01	
Tetrachloro-m-xylene-D1	A	31.24605					
Tetrachloro-m-xylene-D2	B	30.31872					
Decachlorobiphenyl	A	29.79585				0.91	
Decachlorobiphenyl-D1	A	29.79585					
Decachlorobiphenyl-D2	B	29.52588					

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<9.9			4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260			<51	<11.7			4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs			<51	<9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:39

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/6/17 RI AC PBLK31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274A
Result file : 25PCBS17284001.046.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 31.24605
%SSR(DCB) : 110% (48-164) Conc.: 29.79585

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**32.13**	
+ 3.16	3.16	3.20	1206.361	0.457072			1
3.16	3.18	3.20	1634.999	0.619476			1
+ 3.38	3.39	3.42	648.5244	0.26565			2
3.38	3.41	3.42	2997.886	1.228001			2
3.71	3.71	3.75	3314.598	0.928505			4
+ 3.71	3.74	3.75	1152.523	0.322852			4
3.76	3.79	3.80	1830.629	0.593127			5
3.96	3.97	4.00	2347.94	1.130369			6
Height Summation:			**12126.052**				
Amount Avg CF:			**0.899896**	Linear:			
Aroclor-1221					**3**	**165.83**	
3.06	3.08	3.10	1395.202	1.238497			1
3.11	3.13	3.15	60002.05	60.500582			2
+ 3.16	3.16	3.20	1206.361	0.391414			3
3.16	3.18	3.20	1634.999	0.53049			3
Height Summation:			**63032.251**				
Amount Avg CF:			**20.756523**	Linear:			
Aroclor-1232					**5**	**49.36**	
+ 3.16	3.16	3.20	1206.361	0.446998			1
3.16	3.18	3.20	1634.999	0.605824			1
+ 3.38	3.39	3.42	648.5244	0.644738			2
3.38	3.41	3.42	2997.886	2.980384			2
3.70	3.71	3.74	3314.598	2.007168			4
3.76	3.79	3.80	1830.629	1.501804			5
3.95	3.97	3.99	2347.94	2.829421			6
Height Summation:			**12126.052**				
Amount Avg CF:			**1.98492**	Linear:			
Aroclor-1242					**5**	**34.87**	
+ 3.16	3.16	3.20	1206.361	0.330953			1
3.16	3.18	3.20	1634.999	0.448545			1
+ 3.37	3.39	3.41	648.5244	0.210096			2
3.37	3.41	3.41	2997.886	0.971194			2
3.70	3.71	3.74	3314.598	0.644509			4
3.76	3.79	3.80	1830.629	0.463925			5
3.95	3.97	3.99	2347.94	0.878677			6
Height Summation:			**12126.052**				
Amount Avg CF:			**0.68137**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274B
Result file : 25PCBS17284001B.046.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 30.31872
%SSR(DCB) : 109% (48-164) Conc.: 29.52588

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**147.93**	
2.88	2.90	2.92	5445.409	1.138513			1
+ 3.21	3.23	3.25	2201.258	0.380084			2
3.21	3.24	3.25	43426.7	7.498336			2
3.40	3.40	3.44	4502.637	0.792057			3
+ 3.40	3.42	3.44	927.5845	0.163171			3
+ 3.40	3.43	3.44	2357.597	0.414724			3
3.47	3.49	3.51	2060.967	0.329706			4
+ 3.53	3.55	3.57	5023.958	0.966084			5
3.53	3.57	3.57	5564.712	1.070068			5
+ 3.64	3.64	3.68	621.3718	0.118322			6
3.64	3.65	3.68	2221.988	0.423113			6
Height Summation:			**63222.413**				
Amount Avg CF:			**1.875299**	Linear:			
Aroclor-1221					**3**	**166.07**	
2.77	2.77	2.81	3679.514	1.60014			1
2.83	2.83	2.87	126418.1	90.970041			2
+ 2.83	2.86	2.87	16981.35	12.219723			2
2.88	2.90	2.92	5445.409	0.969985			3
Height Summation:			**135543.023**				
Amount Avg CF:			**31.180055**	Linear:			
Aroclor-1232					**6**	**153.11**	
2.88	2.90	2.92	5445.409	1.068443			1
+ 3.21	3.23	3.25	2201.258	0.858865			2
3.21	3.24	3.25	43426.7	16.943791			2
3.40	3.40	3.44	4502.637	1.780137			3
+ 3.40	3.42	3.44	927.5845	0.366725			3
+ 3.40	3.43	3.44	2357.597	0.932086			3
3.47	3.49	3.51	2060.967	0.790889			4
+ 3.53	3.55	3.57	5023.958	2.830661			5
3.53	3.57	3.57	5564.712	3.13534			5
+ 3.63	3.64	3.67	621.3718	0.305688			6
3.63	3.65	3.67	2221.988	1.093123			6
Height Summation:			**63222.413**				
Amount Avg CF:			**4.135287**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/6/17 RI AC PBLK31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274A
Result file : 25PCBS17284001.046.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**45.80**	
3.71	3.71	3.75	3314.598	1.701382			1
+ 3.71	3.74	3.75	1152.523	0.59159			1
3.76	3.79	3.80	1830.629	1.085767			2
3.83	3.85	3.87	2355.678	0.924132			3
3.98	4.00	4.02	799.1656	1.010459			4
4.04	4.07	4.08	618.0771	0.247559			5
4.22	4.22	4.26	3028.038	1.266118			6
Height Summation:			**11946.1857**				
Amount Avg CF:			**1.039236**	Linear:			
Aroclor-1254					**6**	**33.91**	
+ 4.55	4.55	4.59	497.824	0.163946			1
4.55	4.57	4.59	2378.318	0.783238			1
4.61	4.61	4.65	4430.78	0.745172			2
4.73	4.75	4.77	786.9043	0.411893			3
4.82	4.82	4.86	3153.635	0.776469			4
5.02	5.03	5.06	2719.967	0.919306			5
5.13	5.15	5.17	1491.225	0.359351			6
Height Summation:			**14960.8293**				
Amount Avg CF:			**0.665905**	Linear:			
Aroclor-1260					**4**	**73.25**	
4.73	4.75	4.77	786.9043	0.168439			1
4.93	4.97	4.97	5014.935	0.928558			2
5.13	5.15	5.17	1491.225	0.227716			3
5.80	5.82	5.84	4404.589	0.803034			6
Height Summation:			**11697.6533**				
Amount Avg CF:			**0.531937**	Linear:			
Aroclor-1262					**4**	**11.55**	
5.20	5.23	5.24	3959.028	0.726076			1
5.80	5.82	5.84	4404.589	0.621548			4
5.86	5.87	5.90	1870.371	0.558057			5
6.23	6.25	6.27	2808.99	0.692785			6
Height Summation:			**13042.978**				
Amount Avg CF:			**0.649616**	Linear:			
Aroclor-1268					**6**	**177.91**	
5.80	5.82	5.84	4404.589	0.360809			1
5.86	5.87	5.90	1870.371	0.170034			2
5.99	6.01	6.03	48536.83	4.743405			3
6.06	6.07	6.10	60060.93	21.079641			4
6.23	6.25	6.27	2808.99	0.632578			5
6.43	6.45	6.47	27150.67	0.798582			6
Height Summation:			**144832.38**				
Amount Avg CF:			**4.630841**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274B
Result file : 25PCBS17284001B.046.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**146.95**	
2.88	2.90	2.92	5445.409	0.869499			1
+ 3.21	3.23	3.25	2201.258	0.291964			2
3.21	3.24	3.25	43426.7	5.759899			2
3.40	3.40	3.44	4502.637	0.541885			3
+ 3.40	3.42	3.44	927.5845	0.111633			3
+ 3.40	3.43	3.44	2357.597	0.283733			3
3.47	3.49	3.51	2060.967	0.250879			4
+ 3.53	3.55	3.57	5023.958	0.866497			5
3.53	3.57	3.57	5564.712	0.959762			5
+ 3.63	3.64	3.67	621.3718	0.08883			6
3.63	3.65	3.67	2221.988	0.31765			6
Height Summation:			**63222.413**				
Amount Avg CF:			**1.449929**	Linear:			
Aroclor-1248					**6**	**57.42**	
3.40	3.40	3.44	4502.637	1.565419			1
+ 3.40	3.42	3.44	927.5845	0.322491			1
+ 3.40	3.43	3.44	2357.597	0.819659			1
3.47	3.49	3.51	2060.967	0.595657			2
3.51	3.53	3.55	5896.037	1.039455			3
+ 3.64	3.64	3.68	621.3718	0.089454			4
3.64	3.65	3.68	2221.988	0.319881			4
+ 3.73	3.73	3.77	439.377	0.091234			5
+ 3.73	3.74	3.77	1232.122	0.255842			5
3.73	3.76	3.77	2335.129	0.484875			5
3.86	3.88	3.90	6065.479	0.716191			6
Height Summation:			**23082.237**				
Amount Avg CF:			**0.786913**	Linear:			
Aroclor-1254					**5**	**62.32**	
+ 4.22	4.22	4.26	1296.037	0.100515			1
4.22	4.23	4.26	5282.435	0.409681			1
+ 4.31	4.31	4.35	669.7212	0.107143			2
4.31	4.33	4.35	9551.786	1.528114			2
4.44	4.46	4.48	2063.269	0.4236			4
4.59	4.62	4.63	2901.587	0.523442			5
4.67	4.70	4.71	8815.189	1.047701			6
Height Summation:			**28614.266**				
Amount Avg CF:			**0.786508**	Linear:			
Aroclor-1260					**4**	**71.46**	
+ 4.31	4.31	4.35	669.7212	0.061255			1
4.31	4.33	4.35	9551.786	0.873646			1
4.44	4.46	4.48	2063.269	0.175928			2
+ 4.55	4.56	4.59	2930.601	0.30097			3
4.55	4.58	4.59	3089.708	0.31731			3
4.89	4.91	4.93	2619.535	0.34647			4
Height Summation:			**17324.298**				
Amount Avg CF:			**0.428339**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/6/17 RI AC PBLK31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274A
Result file : 25PCBS17284001.046.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274B
Result file : 25PCBS17284001B.046.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**58.56**	
4.70	4.70	4.74	8815.189	0.752305			1
+ 4.70	4.74	4.74	1497.237	0.127777			1
4.89	4.91	4.93	2619.535	0.23639			2
+ 5.30	5.30	5.34	1936.833	0.211186			4
5.30	5.32	5.34	2046.418	0.223135			4
5.72	5.73	5.76	5380.58	0.508444			6
Height Summation:			**18861.722**				
Amount Avg CF:			**0.430068**	Linear:			
Aroclor-1268					**5**	**165.63**	
5.30	5.32	5.34	2046.418	0.07492			1
5.50	5.52	5.54	104967.6	4.153318			3
5.57	5.58	5.61	136093.8	19.730497			4
5.72	5.73	5.76	5380.58	0.484704			5
5.92	5.94	5.96	81663.18	0.80949			6
Height Summation:			**330151.578**				
Amount Avg CF:			**5.050586**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		** 70.29	4	40	
Aroclor-1221			51	15.3		** 40.14	3	5	
Aroclor-1232			51	12.3		** 70.27	4	10	
Aroclor-1242			51	12.3		** 72.12	4	30	
Aroclor-1248			51	9.9		27.63	4	40	
Aroclor-1254			51	13.2		16.61	4	40	
Aroclor-1260			51	11.7		21.58	4	40	
Aroclor-1262			51	9.9		** 40.67	4	40	
Aroclor-1268			51	9.9		8.67	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:47:32 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.046.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		9387	9954
2.088		4422	5488
2.116		1673	892
2.137		202006	150891
2.189		1719	801
2.203		8015	4529
2.234		7442	6852
2.291		946	559
2.329		8828	6795
2.369		2414	1895
2.396		254921	168380
2.442		4942	3313
2.49		6858	4515
2.508		11249	6245
2.545		975	739
2.565		753	346
2.594		4051	4192
2.652		1759	1949
2.684		569	257
2.705		3016	1988
2.739		12806	13264
2.774		602	265
2.794		5946	3432
2.813		1453	1578
2.841		561	495
2.874		3208	1834
2.896		3303	2315
2.93	TCX	4714115	3207232
2.991		1847	1074
3.012		1106	799
3.078		1395	1829
3.126		60002	42271
3.159		1206	694
3.178		1635	1028
3.201		1636	1504
3.229		1783	1217
3.257		14741	13687
3.3		510	242
3.316		417	125
3.328		2130	2538
3.363		1429	1633
3.386		649	368
3.412		2998	2559
3.437		2173	1624
3.468		14457	9169
3.486		5399	2896
3.537		1672	1207
3.563		978	971
3.589		25444	23095
3.631		2044	1760
3.654		25882	17971
3.677		1283	695
3.713		3315	3033
3.744		1153	1058

RT A	Compound A	Height A	Area A
3.788		1831	3215
3.851		2356	1713
3.877		2427	1630
3.895		1186	934
3.928		3517	3242
3.967		2348	2220
4		799	550
4.028		1968	1590
4.067		618	470
4.09		356	240
4.146		389	346
4.164		4918	4600
4.222		3028	2516
4.268		7226	8980
4.331		666	440
4.374		1820	2330
4.406		1025	1159
4.467		450	558
4.511		1814	2345
4.548		498	345
4.567		2378	1811
4.607		4431	7770
4.673		653	398
4.706		1113	951
4.751		787	675
4.819		3154	4278
4.87		10700	12029
4.965		5015	7747
4.999		719	302
5.028		2720	2616
5.059		1131	770
5.08		640	288
5.112		15395	15959
5.153		1491	1544
5.195		543	383
5.226		3959	4161
5.265		459	330
5.321		4529	5835
5.357		734	426
5.403		1588	3511
5.47		2061	2643
5.515		14455	14597
5.565		743	1159
5.64		34606	41479
5.725		662	624
5.819		4405	7968
5.866		1870	3162
5.906		1456	1977
5.958		4550	5656
6.011		48537	49572
6.075		60061	69848
6.134		427	631
6.146		2736	4627
6.202		1147	4164
6.215		587	236
6.245		2809	3810
6.281		1105	993
6.305		1437	1530
6.4		3635	7500
6.428		455	413
6.448		27151	24461
6.547		1151	5377
6.557		1251	395
6.596	DCB	2872065	2997616
6.642		1118	3906
6.775		1473	3846

RT A	Compound A	Height A	Area A
6.79		628	308
6.898		16942	64421
6.982		1033	653

LANCASTER LABORATORIES

Sample Number: BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:47:32 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.046.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.036		4121	6389
2.097		5782	2583
2.115		445709	279850
2.185		4733	2949
2.2		28376	16920
2.238		2932	3131
2.265		6439	4165
2.309		2131	1823
2.354		2939	2518
2.396		16878	12215
2.434		26801	15648
2.465		6517	11948
2.52		4860	6327
2.571		4150	6634
2.59		7395	3766
2.615	TCX	8259936	4890439
2.692		4775	2093
2.706		7355	6907
2.734		15412	10408
2.765		3680	3177
2.812		8208	7520
2.832		126418	76543
2.859		16981	16809
2.897		5445	9407
2.92		16335	13916
2.948		34889	32218
2.99		15521	24539
3.039		5596	4600
3.055		4105	2116
3.082		10079	13184
3.116		20617	18125
3.147		43495	35388
3.168		5036	3447
3.184		20571	15187
3.228		2201	4507
3.243		43427	21640
3.257		4811	1960
3.281		9211	11368
3.306		1101	516
3.32		50917	29674
3.351		8509	6547
3.379		9395	7073
3.404		4503	2767
3.417		928	185
3.431		2358	1597
3.46		4100	2759
3.489		2061	2885
3.527		5896	4426
3.549		5024	2343
3.569		5565	4597
3.597		1250	700
3.624		3078	1685
3.64		621	189
3.652		2222	1322

RT B	Compound B	Height B	Area B
3.677		5591	4299
3.701		4341	3830
3.727		439	133
3.737		1232	446
3.759		2335	1317
3.771		886	414
3.787		1619	762
3.827		6162	4713
3.857		2715	1986
3.878		6065	4104
3.901		2192	1197
3.942		13571	10418
3.974		3319	2336
4.008		1622	1329
4.048		1035	552
4.074		12570	11220
4.117		4379	3411
4.149		10485	12802
4.219		1296	3129
4.234		5282	5281
4.311		670	456
4.333		9552	8746
4.366		3021	7662
4.418		1817	955
4.436		22285	16964
4.463		2063	1131
4.499		1084	1005
4.507		1958	2806
4.563		2931	2715
4.578		3090	1970
4.616		2902	1873
4.639		4461	2584
4.663		32360	25077
4.703		8815	8349
4.739		1497	998
4.759		1648	1351
4.783		1419	1032
4.835		3396	6592
4.912		2620	1991
4.973		3803	2548
5.018		2009	1248
5.034		1345	604
5.054		26271	20910
5.136		1765	4804
5.176		54756	45255
5.231		2625	4566
5.262		1356	623
5.298		1937	2426
5.318		2046	1738
5.387		3112	16119
5.435		2740	2940
5.448		1195	494
5.516		104968	96253
5.585		136094	127793
5.633		25876	20249
5.673		1887	2247
5.735		5381	13447
5.799		899	360
5.881		765	9678
5.938		81663	76939
5.968		3339	2255
5.988		1611	721
6.017		2248	1672
6.043		1060	232
6.096	DCB	8938546	7569104
6.155		26846	50511

RT B	Compound B	Height B	Area B
6.255		1753	4535
6.289		975	348
6.323		870	1281
6.394		3663	8901
6.499		12572	43048
6.574		2227	1437
6.615		1340	796
6.657		1768	1534
6.699		3888	5831
6.76		11309	26953
6.853		3802	8565
6.896		1592	717
6.922		2288	1862
6.961		661	736

BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 808

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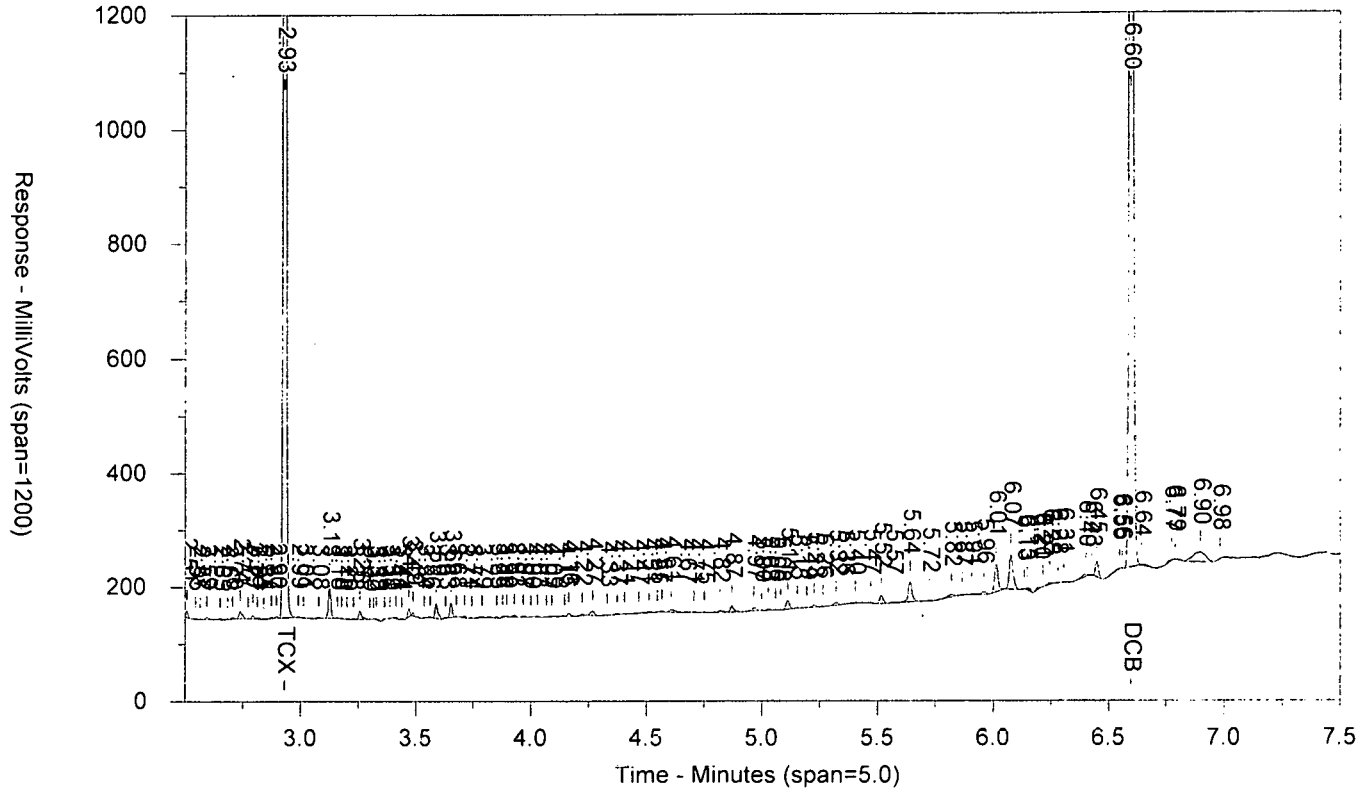

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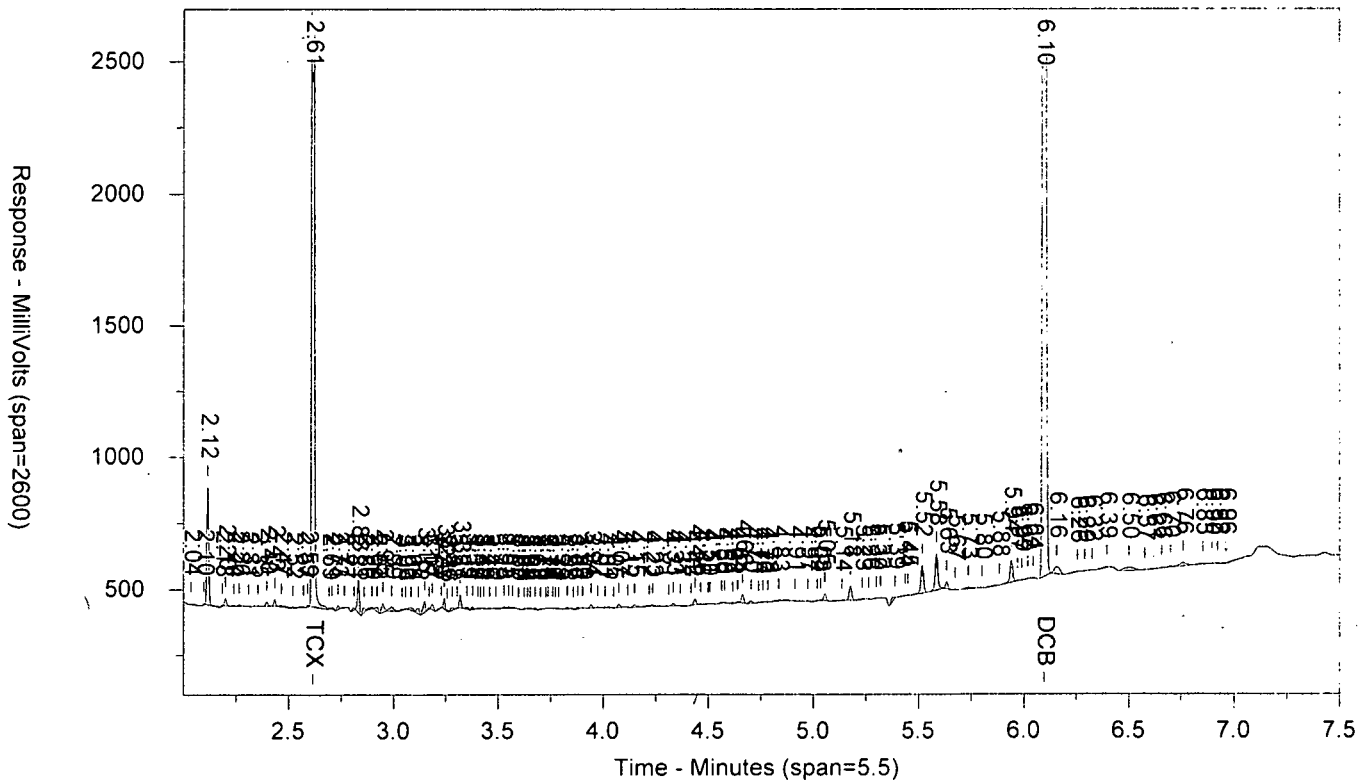

LANCASTER LABORATORIES

Sample Number: BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:47:32 AM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	4714115	31.246	TCX	2.615	8259936	30.319	TCX
6.596	2872065	29.796	DCB	6.096	8938546	29.526	DCB

Files:
Area File: 25PCBS17284001.046.RAW
Area File: 25PCBS17284001B.046.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:25 PM
File Reported On: 10/12/2017 at 4:30:12 PM

BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 80

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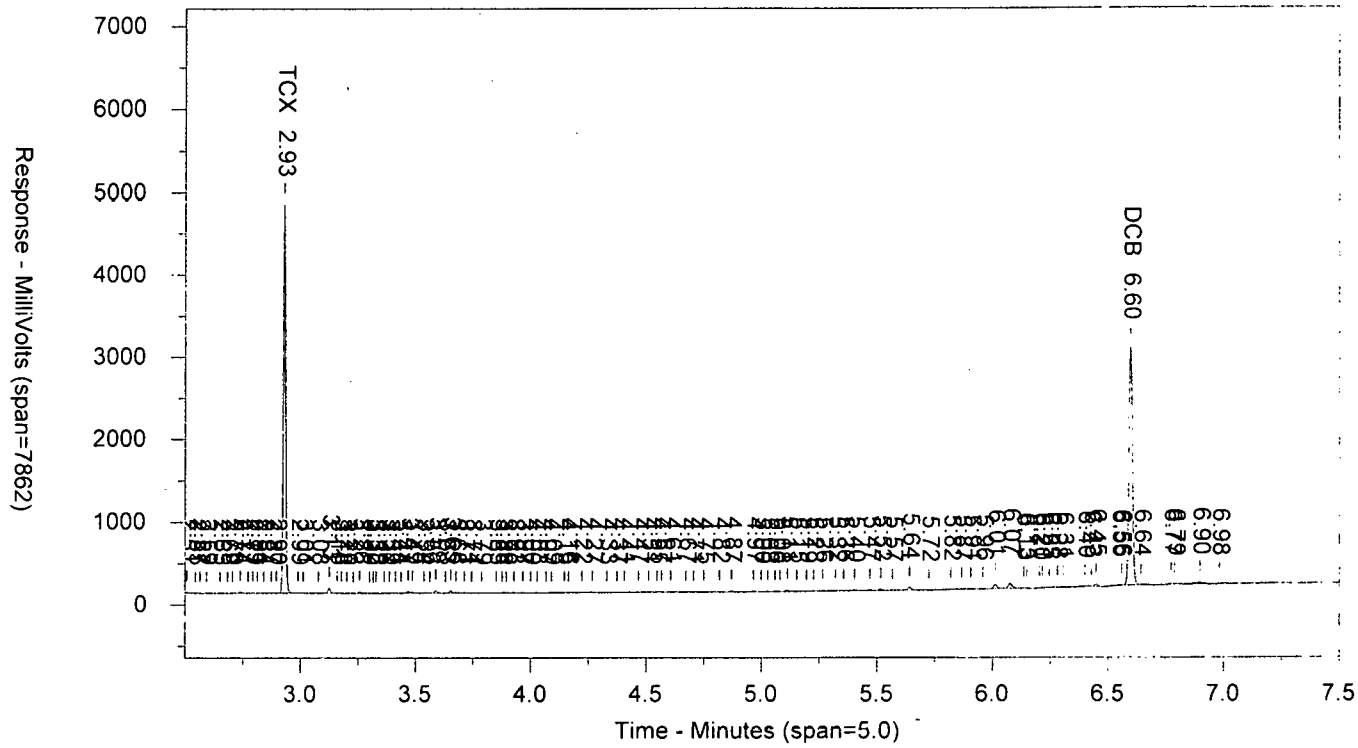

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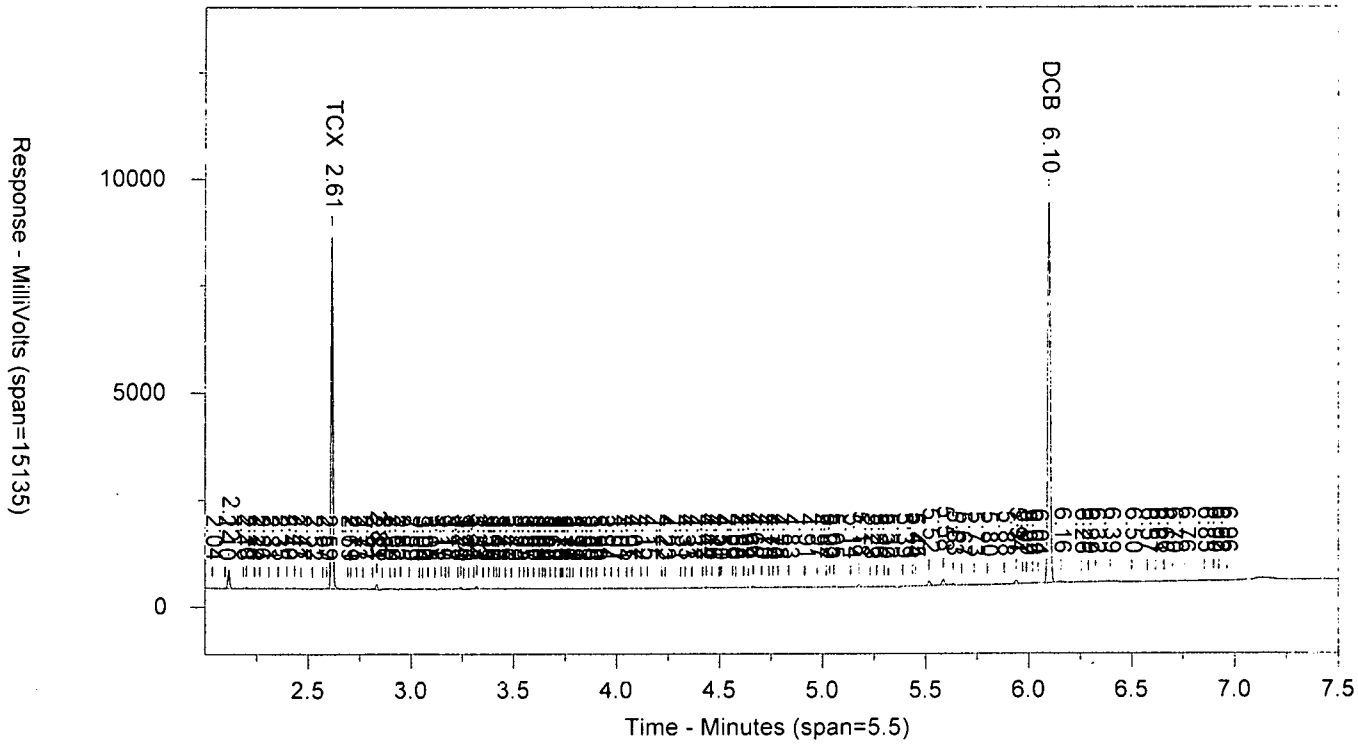

BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 808

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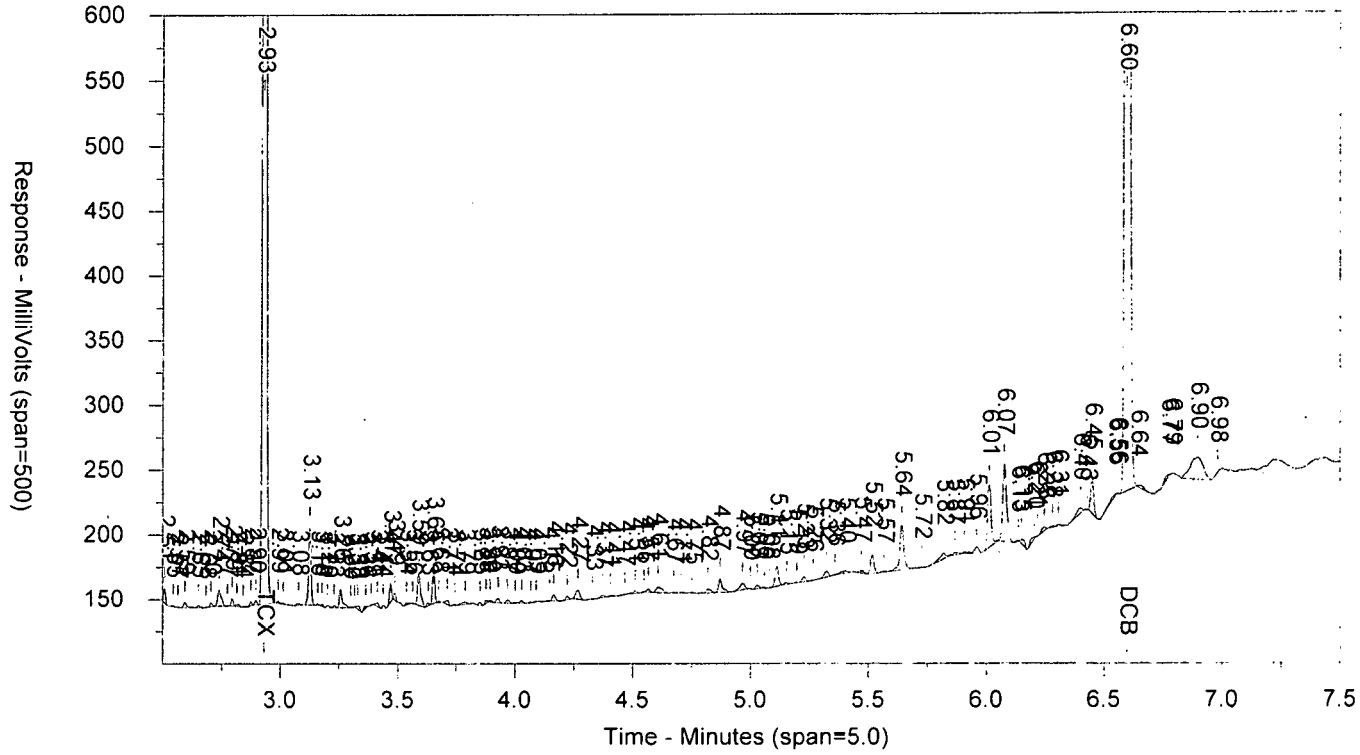

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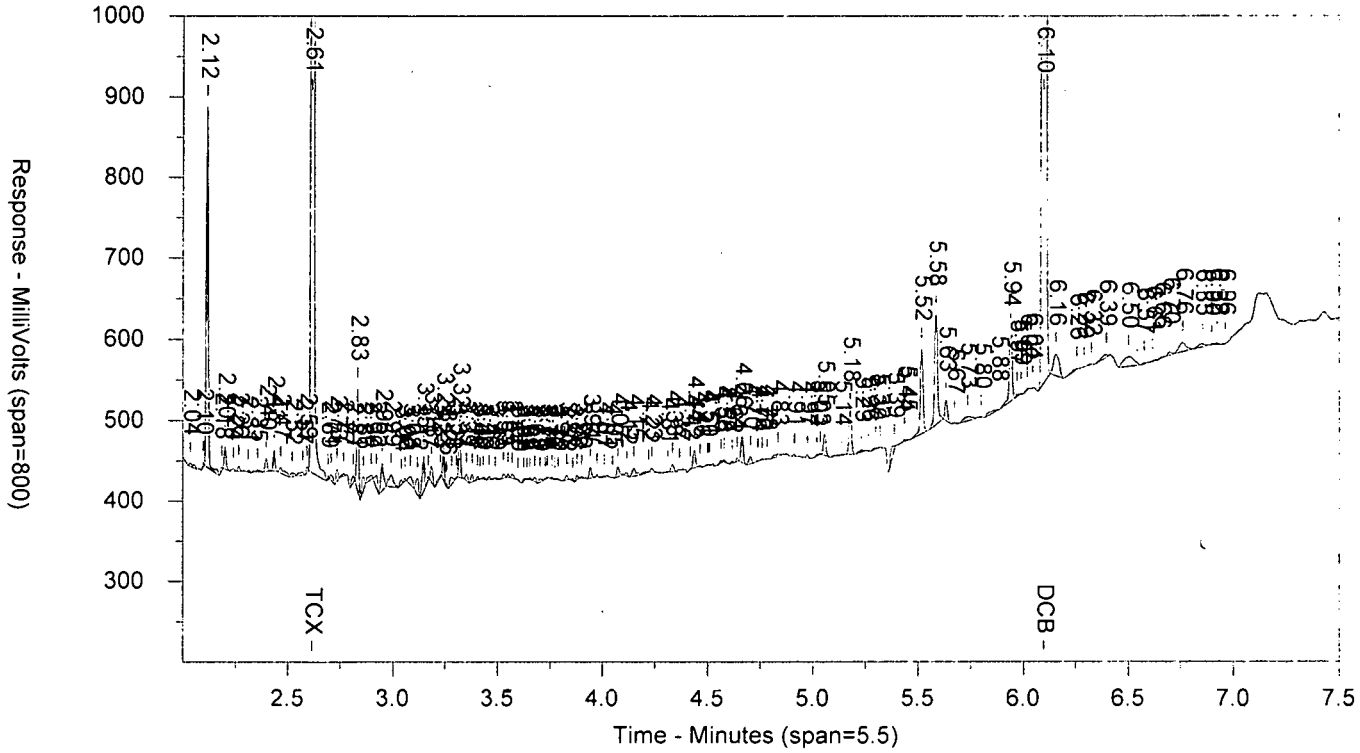

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229385 MS ACF DF500 95A16MS MS Sample ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.1 g Total Volume: 5000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 06:21:08
Instrument	18274A
Result file	25PCBS17284001.049.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 221% (61 - 152) Conc: 66.95702
%SSR(DCB) * 187% (48 - 164) Conc: 50.15061

Analysis Report (B)

Injected on	Oct 12, 2017 06:21:08
Instrument	18274B
Result file	25PCBS17284001B.049.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) * 153% (61 - 152) Conc: 46.13733
%SSR(DCB) 153% (48 - 164) Conc: 41.18876

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	20406	66.95702
Decachlorobiphenyl	6.57	6.59	6.63	9765	50.15061

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	25390	46.13733
Decachlorobiphenyl	6.07	6.10	6.13	25188	41.18876

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	66.95702				36.82	
Tetrachloro-m-xylene-D1	A	66.95702					
Tetrachloro-m-xylene-D2	B	46.13733					
Decachlorobiphenyl	A	50.15061				19.62	
Decachlorobiphenyl-D1	A	50.15061					
Decachlorobiphenyl-D2	B	41.18876					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**37.11**	
4.55	4.56	4.59	834232.5	136006.45962			1
4.61	4.62	4.65	4704209	391662.183738			2
4.73	4.75	4.77	1596837	413782.534799			3
4.82	4.83	4.86	3098374	377654.733045			4
5.02	5.03	5.06	1295990	216843.756582			5
5.13	5.15	5.17	3632840	433381.602371			6

Height summation: **15162482.5**
Concentration CF: **328221.878359** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**23.17**	
4.22	4.23	4.26	10602840	407082.83752			1
4.31	4.32	4.35	4736861	375154.706608			2
4.38	4.39	4.42	6020878	390759.610396			3
4.44	4.46	4.48	5112930	519659.005482			4
4.59	4.61	4.63	2677742	239138.961184			5
4.67	4.69	4.71	7295308	429237.795482			6

Height summation: **36446559**
Concentration CF: **393505.486112** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<25247.5255	<4900.9902			4	
PCB-1221			<25247.5255	<7574.2577			3	
PCB-1232			<25247.5255	<6089.1091			4	
PCB-1242			<25247.5255	<6089.1091			4	
PCB-1248			<25247.5255	<4900.9902			4	
PCB-1254	B	393505.486112	25247.5255	6534.6537		18.09	4	
PCB-1260			<25247.5255	<5792.0794			4	
PCB-1262			<25247.5255	<4900.9902			4	
PCB-1268			<25247.5255	<4900.9902			4	
Total PCBs	A	393505.486112	25247.5255	4900.9902				

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:43

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229385** MS ACF DF500 95A16MS ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.1 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:21:08
Instrument : CP25--18274A
Result file : 25PCBS17284001.049.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *221% (61-152) Conc.: 66.95702
%SSR(DCB) : *187% (48-164) Conc.: 50.15061

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	65.06	
3.16	3.18	3.20	33786.26	6337.174239			1
+ 3.38	3.39	3.42	45374.3	9201.154432			2
3.38	3.41	3.42	118526	24035.104238			2
3.49	3.51	3.53	384369.9	60844.693051			3
3.71	3.73	3.75	436831.2	60578.088357			4
3.76	3.78	3.80	104864.6	16819.962492			5
3.96	3.97	4.00	197879.1	47160.887967			6
Height Summation:			**1276257.06**				
Amount Avg CF:			**35962.651724**	Linear:			
Aroclor-1221					3	81.17	
3.06	3.08	3.10	37361.67	16418.476513			1
3.11	3.13	3.15	7370.91	3679.28305			2
3.16	3.18	3.20	33786.26	5426.854152			3
Height Summation:			**78518.84**				
Amount Avg CF:			**8508.204572**	Linear:			
Aroclor-1232					6	66.07	
3.16	3.18	3.20	33786.26	6197.513355			1
+ 3.38	3.39	3.42	45374.3	22331.386303			2
3.38	3.41	3.42	118526	58333.679922			2
E 3.49	3.51	3.53	384369.9	140084.831364			3
E 3.70	3.73	3.74	436831.2	130952.873975			4
3.76	3.78	3.80	104864.6	42588.321559			5
E 3.95	3.97	3.99	197879.1	118048.142958			6
Height Summation:			**1276257.06**				
Amount Avg CF:			**82700.893856**	Linear:			
Aroclor-1242					6	63.01	
3.16	3.18	3.20	33786.26	4588.571633			1
+ 3.37	3.39	3.41	45374.3	7276.949711			2
3.37	3.41	3.41	118526	19008.728321			2
3.49	3.51	3.53	384369.9	45959.424551			3
3.70	3.73	3.74	436831.2	42049.429848			4
3.76	3.78	3.80	104864.6	13156.030045			5
3.95	3.97	3.99	197879.1	36659.874518			6
Height Summation:			**1276257.06**				
Amount Avg CF:			**26903.676486**	Linear:			
Aroclor-1248					6	90.54	
3.71	3.73	3.75	436831.2	111002.603403			1
3.76	3.78	3.80	104864.6	30790.28618			2
3.83	3.85	3.87	514073.6	99837.130333			3
3.98	4.00	4.02	634124.9	396922.334042			4
4.04	4.06	4.08	575718.4	114154.970209			5
4.22	4.24	4.26	480584.2	99478.881441			6
Height Summation:			**2746196.9**				
Amount Avg CF:			**142031.034268**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:21:08
Instrument : CP25--18274B
Result file : 25PCBS17284001B.049.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : *153% (61-152) Conc.: 46.13733
%SSR(DCB) : 153% (48-164) Conc.: 41.18876

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	136.62	
2.88	2.90	2.92	71026.33	7351.49254			1
3.21	3.22	3.25	714775.4	61097.904213			2
+ 3.21	3.24	3.25	14038.9	1200.023626			2
3.40	3.40	3.44	1496160	130291.55976			3
+ 3.40	3.42	3.44	93898.67	8177.069414			3
+ 3.40	3.43	3.44	684091	59573.363416			3
3.47	3.49	3.51	221485.1	17540.771045			4
+ 3.53	3.55	3.57	2580804	245681.454801			5
E 3.53	3.57	3.57	5653230	538163.21221			5
+ 3.64	3.65	3.68	418607.6	39461.201918			6
3.64	3.68	3.68	1260818	118854.492084			6
Height Summation:			**9417494.83**				
Amount Avg CF:			**145549.905309**	Linear:			
Aroclor-1221					3	66.95	
2.77	2.79	2.81	81960.43	17644.943615			1
2.83	2.85	2.87	16704.48	5950.736529			2
2.88	2.90	2.92	71026.33	6263.286873			3
Height Summation:			**169691.24**				
Amount Avg CF:			**9952.989005**	Linear:			
Aroclor-1232					6	168.01	
2.88	2.90	2.92	71026.33	6899.040793			1
E 3.21	3.22	3.25	714775.4	138061.309012			2
+ 3.21	3.24	3.25	14038.9	2711.661469			2
E 3.40	3.40	3.44	1496160	292828.354797			3
+ 3.40	3.42	3.44	93898.67	18377.842646			3
E+ 3.40	3.43	3.44	684091	133890.253757			3
3.47	3.49	3.51	221485.1	42076.296819			4
E+ 3.53	3.55	3.57	2580804	719855.866777			5
E 3.53	3.57	3.57	5653230	1576838.373523			5
E 3.63	3.65	3.67	418607.6	101949.033426			6
Height Summation:			**8575284.43**				
Amount Avg CF:			**359775.401395**	Linear:			
Aroclor-1242					6	165.78	
2.88	2.90	2.92	71026.33	5614.43938			1
3.21	3.22	3.25	714775.4	46932.777671			2
+ 3.21	3.24	3.25	14038.9	921.806448			2
3.40	3.40	3.44	1496160	89138.777529			3
+ 3.40	3.42	3.44	93898.67	5594.329922			3
+ 3.40	3.43	3.44	684091	40757.028298			3
3.47	3.49	3.51	221485.1	13347.05893			4
E+ 3.53	3.55	3.57	2580804	220355.905315			5
E 3.53	3.57	3.57	5653230	482687.803724			5
3.63	3.65	3.67	418607.6	29625.277895			6
Height Summation:			**8575284.43**				
Amount Avg CF:			**111224.355855**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229385** MS ACF DF500 95A16MS ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.1 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:21:08
Instrument : CP25--18274A
Result file : 25PCBS17284001.049.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	37.11	
4.55	4.56	4.59	834232.5	136006.45962			1
4.61	4.62	4.65	4704209	391662.183738			2
4.73	4.75	4.77	1596837	413782.534799			3
4.82	4.83	4.86	3098374	377654.733045			4
5.02	5.03	5.06	1295990	216843.756582			5
5.13	5.15	5.17	3632840	433381.602371			6
Height Summation:			**15162482.5**				
Amount Avg CF:			**328221.878359**	Linear:			
Aroclor-1260					6	66.72	
4.73	4.75	4.77	1596837	169211.834176			1
4.93	4.95	4.97	2394574	219492.998124			2
5.13	5.15	5.17	3632840	274628.807576			3
5.36	5.38	5.40	397312.2	56486.050023			4
5.60	5.61	5.64	962854.3	54850.560167			5
5.80	5.82	5.84	789382.8	71246.711356			6
Height Summation:			**9773800.3**				
Amount Avg CF:			**140986.160237**	Linear:			
Aroclor-1262					6	55.40	
5.20	5.22	5.24	259176.5	23530.842151			1
5.36	5.38	5.40	397312.2	41385.604597			2
5.60	5.61	5.64	962854.3	44317.890777			3
5.80	5.82	5.84	789382.8	55144.915425			4
5.86	5.87	5.90	52487.25	7752.700912			5
6.23	6.24	6.27	164900.1	20133.4235			6
Height Summation:			**2626113.15**				
Amount Avg CF:			**32044.22956**	Linear:			
Aroclor-1268					6	116.57	
5.80	5.82	5.84	789382.8	32011.649447			1
5.86	5.87	5.90	52487.25	2362.16033			2
5.99	6.01	6.03	4180.092	202.233569			3
+ 6.06	6.06	6.10	28867.67	5015.699531			4
6.06	6.09	6.10	275175.6	47811.206372			4
6.23	6.24	6.27	164900.1	18383.726033			5
6.43	6.45	6.47	43531.75	633.860698			6
Height Summation:			**1329657.592**				
Amount Avg CF:			**16900.806075**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:21:08
Instrument : CP25--18274B
Result file : 25PCBS17284001B.049.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	89.93	
3.40	3.40	3.44	1496160	257507.810307			1
+ 3.40	3.42	3.44	93898.67	16161.133102			1
+ 3.40	3.43	3.44	684091	117740.599576			1
3.47	3.49	3.51	221485.1	31689.695689			2
3.51	3.53	3.55	1082170	94447.322364			3
3.64	3.65	3.68	418607.6	29833.38091			4
+ 3.73	3.73	3.77	144028.7	14805.269588			5
3.73	3.74	3.77	1110338	114135.956399			5
3.86	3.87	3.90	6162906	360244.799717			6
Height Summation:			**10491666.7**				
Amount Avg CF:			**147976.494231**	Linear:			
Aroclor-1254					6	23.17	
4.22	4.23	4.26	10602840	407082.83752			1
4.31	4.32	4.35	4736861	375154.706608			2
4.38	4.39	4.42	6020878	390759.610396			3
E 4.44	4.46	4.48	5112930	519659.005482			4
4.59	4.61	4.63	2677742	239138.961184			5
4.67	4.69	4.71	7295308	429237.795482			6
Height Summation:			**36446559**				
Amount Avg CF:			**393505.486112**	Linear:			
Aroclor-1260					6	62.88	
4.31	4.32	4.35	4736861	214481.689507			1
4.44	4.46	4.48	5112930	215822.629906			2
4.55	4.56	4.59	3106352	157930.516689			3
4.89	4.91	4.93	677791.6	44379.891795			4
5.09	5.10	5.13	1970418	56970.635508			5
5.34	5.36	5.38	1761667	68974.638042			6
Height Summation:			**17366019.6**				
Amount Avg CF:			**126426.666908**	Linear:			
Aroclor-1262					6	64.36	
+ 4.70	4.72	4.74	218778	9243.037863			1
4.70	4.74	4.74	240428.7	10157.74702			1
4.89	4.91	4.93	677791.6	30279.536896			2
5.08	5.10	5.12	1970418	42202.736159			3
5.30	5.32	5.34	221163.4	11938.087872			4
5.34	5.36	5.38	1761667	55541.89938			5
5.72	5.74	5.76	393350.4	18401.041385			6
Height Summation:			**5264819.1**				
Amount Avg CF:			**28086.841452**	Linear:			
Aroclor-1268					5	112.80	
5.30	5.32	5.34	221163.4	4008.365617			1
5.35	5.36	5.39	1761667	31450.828193			2
5.50	5.51	5.54	191970.6	3760.307031			3
5.72	5.74	5.76	393350.4	17541.8687			5
5.92	5.94	5.96	120074.9	589.231767			6
Height Summation:			**2688226.3**				
Amount Avg CF:			**11470.120262**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229385** MS ACF DF500 95A16MS ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.1 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:21:08
Instrument : CP25--18274A
Result file : 25PCBS17284001.049.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 06:21:08
Instrument : CP25--18274B
Result file : 25PCBS17284001B.049.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			25247.5234	4900.9898		** 120.75	4	40	
Aroclor-1221			25247.5234	7574.257		15.65	3	5	
Aroclor-1232			25247.5234	6089.1086	E	** 125.24	4	10	
Aroclor-1242			25247.5234	6089.1086		** 122.09	4	30	
Aroclor-1248			25247.5234	4900.9898		4.10	4	40	
Aroclor-1254			25247.5234	6534.6531		18.09	4	40	
Aroclor-1260			25247.5234	5792.0789		10.89	4	40	
Aroclor-1262			25247.5234	4900.9898		13.16	4	40	
Aroclor-1268			25247.5234	4900.9898		38.28	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229385MS ACF DF500AD95A16MS MS 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:21:08 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.049.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.011		406	108
2.037		14292	10870
2.046		15192	10946
2.085		3710	5936
2.204		13202	9733
2.329		5995	3950
2.367		937	767
2.49		8275	8510
2.53		1408	1710
2.569		2195	2175
2.652		7074	5014
2.735		4053	6188
2.777		2411	1869
2.805		639	383
2.847		836	879
2.896		6246	5700
2.928	TCX	20406	17654
3.023		434	277
3.079		37362	32479
3.133		7371	5571
3.179		33786	26416
3.234		654	471
3.273		19743	21112
3.315		3680	2775
3.395		45374	24282
3.412		118526	82893
3.448		8413	4112
3.464		29599	19772
3.51		384370	291926
3.546		2064	980
3.561		8132	4001
3.583		79059	61341
3.618		9779	5213
3.633		17337	10055
3.696		907745	1086491
3.73		436831	404544
3.78		104865	79086
3.821		253124	197896
3.85		514074	370548
3.876		1019064	672712
3.899		2469871	1729401
3.972		197879	140953
3.997		634125	472677
4.028		1303677	1006250
4.061		575718	529117
4.107		135838	134295
4.135		107604	123980
4.186		179425	138129
4.221		1426713	970209
4.238		480584	243433
4.263		2901500	2516531
4.301		1248	459
4.332		814372	675124
4.372		2531344	2969541

RT A	Compound A	Height A	Area A
4.409		1772387	1458659
4.448		303798	224663
4.47		269245	191043
4.512		807079	742775
4.562		834233	785543
4.593		207472	113215
4.623		4704209	4044730
4.673		506464	567039
4.707		180987	114244
4.729		20640	12527
4.749		1596837	1490182
4.794		517429	453051
4.835		3098375	2934143
4.866		33469	19224
4.895		461008	475529
4.946		2394574	3119431
4.997		99875	78236
5.032		1295991	1470004
5.08		238296	184314
5.104		35859	28853
5.117		164686	104878
5.15		3632840	3751355
5.192		116261	72278
5.217		259177	218290
5.26		246447	274069
5.332		6087	5240
5.356		727536	610678
5.379		397312	298697
5.41		6517	3023
5.436		220611	206299
5.473		269408	263483
5.511		26871	31141
5.554		643231	607169
5.59		153300	133477
5.615		962854	870591
5.652		29676	25195
5.707		5655	10369
5.774		7166	7796
5.819		789383	725841
5.849		98441	73423
5.874		52487	49919
5.915		3190	2894
5.954		3803	3538
5.984		84403	77996
6.01		4180	2385
6.039		11732	7813
6.059		28868	20578
6.089		275176	271580
6.155		46280	47517
6.19		3251	2215
6.215		53454	40624
6.244		164900	149370
6.288		11145	11972
6.345		372	286
6.391		496	479
6.446		43532	49070
6.506		4528	6756
6.561		15262	15469
6.595	DCB	9765	8547
6.63		36816	36650
6.668		539	158
6.711		558	835
6.758		8691	14405
6.838		464	1025
6.875		5367	9320
6.922		1067	989

RT A	Compound A	Height A	Area A
6.95		479	174
6.983		491	660

LANCASTER LABORATORIES

Sample Number: 9229385MS ACF DF500AD95A16MS MS 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:21:08 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.049.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.044		2280	3860
2.106		2675	4674
2.159		5526	5580
2.207		4209	10671
2.23		2628	3662
2.303		5885	7992
2.364		17731	11387
2.411		3029	2136
2.465		7916	19042
2.517		3064	1770
2.547		5438	7795
2.597		1377	756
2.615	TCX	25390	15360
2.655		18107	16742
2.714		3840	5787
2.787		81960	56604
2.847		16704	19676
2.898		71026	54435
2.95		2210	1637
3.009		40163	30141
3.066		391	65
3.073		716	188
3.105		45351	19781
3.117		187405	102432
3.156		29161	15949
3.177		70735	42953
3.203		8682	4521
3.225		714775	443696
3.244		14039	4839
3.263		147387	90478
3.311		37514	21491
3.325		34366	15521
3.353		6511	3064
3.384		1135052	719771
3.404		1496160	782680
3.418		93899	27579
3.434		684091	374040
3.492		221485	199856
3.527		1082170	692139
3.549		2580804	1326602
3.567		5653230	3107333
3.627		1118	610
3.653		418608	221010
3.675		1260819	722504
3.696		2970738	1875243
3.725		144029	66202
3.742		1110338	724498
3.78		396074	334713
3.823		304392	288246
3.852		269869	168262
3.875		6162907	3844757
3.899		4800085	2856314
3.919		2219148	1177094
3.938		1687885	951322

RT B	Compound B	Height B	Area B
3.973		5928081	4124970
4.004		4101883	2498060
4.022		1135536	578528
4.044		793202	497373
4.083		813558	578351
4.117		1730419	1191421
4.138		73397	43811
4.173		2460262	1694607
4.207		798299	667946
4.234		10602840	7747161
4.271		792037	686480
4.325		4736861	4030463
4.362		1177327	896054
4.394		6020878	4104520
4.418		1396459	898716
4.46		5112930	4347706
4.528		47392	32921
4.56		3106352	2985106
4.612		2677742	2052472
4.652		1281426	1060970
4.689		7295309	6443233
4.721		218778	93586
4.735		240429	122621
4.76		468781	339311
4.819		72618	91995
4.859		51324	31561
4.876		327157	237453
4.91		677792	498644
4.933		1730612	1287950
4.983		695593	573660
5.019		342836	273666
5.048		197096	154571
5.08		1541764	1077349
5.102		1970418	1425058
5.144		45756	27363
5.175		86082	75378
5.215		4329	2559
5.239		10903	7929
5.295		3809	3624
5.317		221163	225187
5.359		1761667	1781534
5.433		2083	1185
5.461		7496	6164
5.478		2545	1528
5.515		191971	157656
5.545		21056	13600
5.56		72632	49903
5.605		473136	373251
5.631		198118	150028
5.677		25657	23228
5.712		135690	98548
5.739		393350	318736
5.771		25456	18270
5.82		9043	6964
5.864		2892	3061
5.907		1273	982
5.938		120075	102060
5.991		1038	1597
6.006		815	420
6.022		1499	954
6.074		39961	32335
6.096	DCB	25188	17116
6.132		110648	91059
6.164		5481	4294
6.226		13764	14074
6.243		2729	1444

RT B	Compound B	Height B	Area B
6.269		2844	2120
6.297		1530	611
6.331		13636	17375
6.396		1121	819
6.439		1484	711
6.462		3350	2765
6.491		2128	1190
6.514		1672	1475
6.565		14783	18193
6.603		1589	1310
6.628		4730	4006
6.66		1187	461
6.7		921	1392
6.742		843	517
6.767		1647	1505
6.794		10768	12517
6.849		1574	1932
6.875		2543	3117
6.904		1050	550
6.912		1076	416
6.942		819	522

9229385MS ACF DF500AD95A16MS MS 172780031A 10225 SW-846 80

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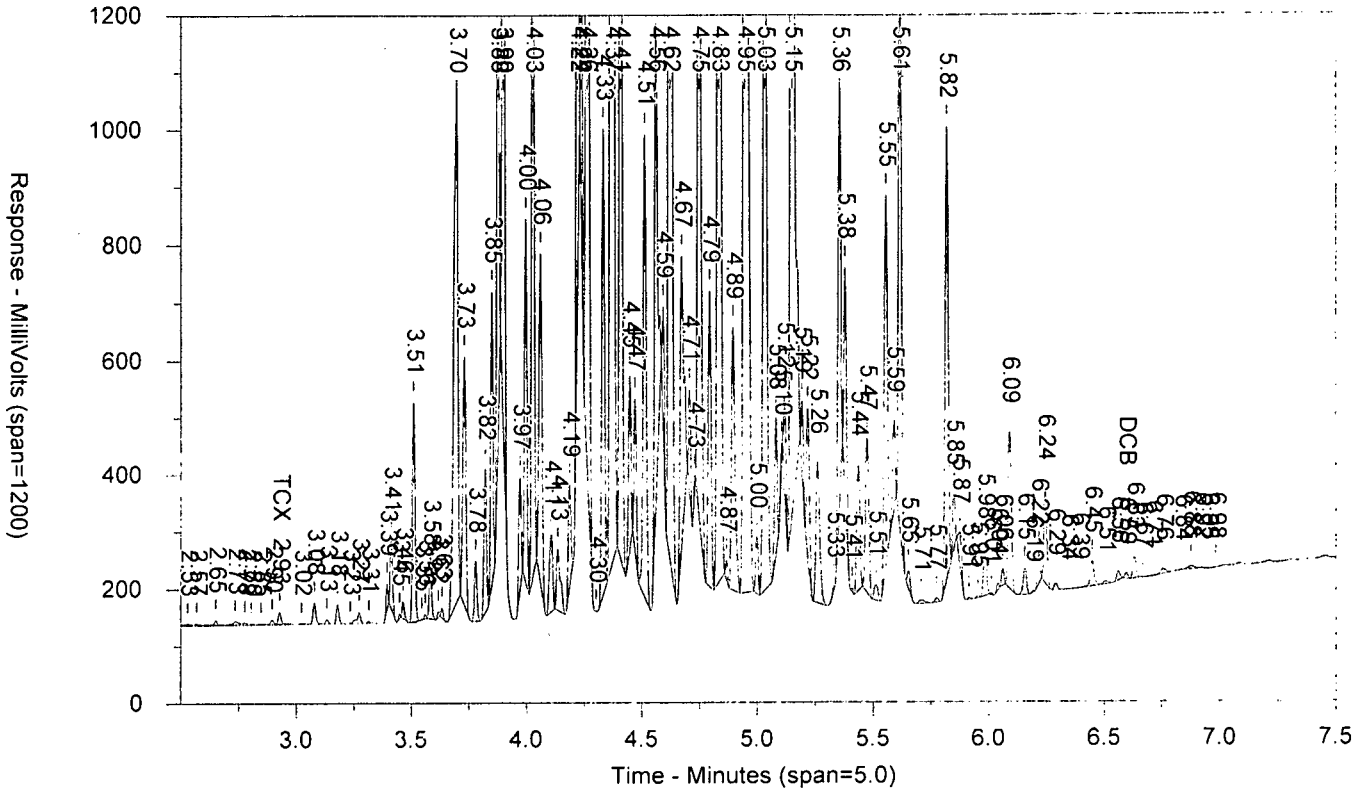

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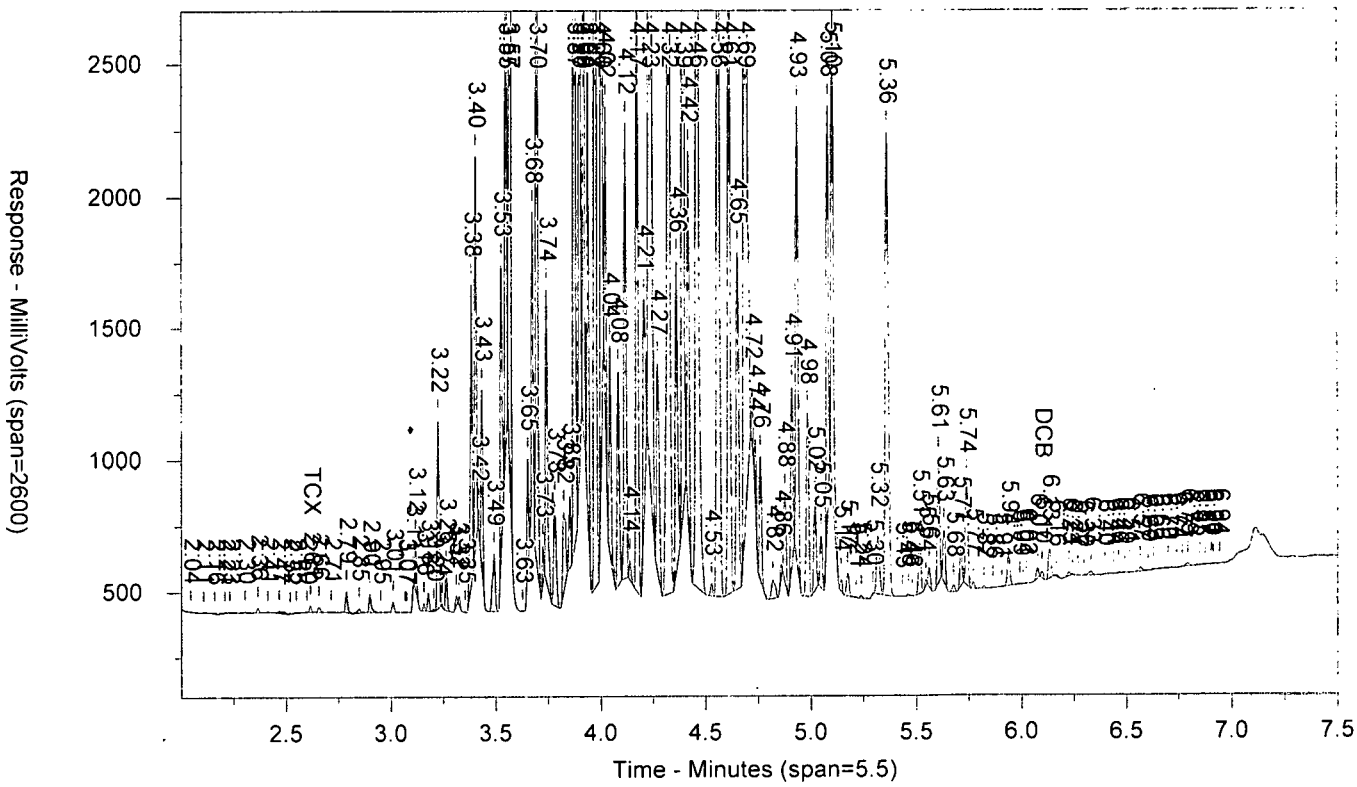

LANCASTER LABORATORIES

Sample Number: 9229385MS ACF DF500AD95A16MS MS 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:21:08 AM Sample Weight: 10.1
Instrument ID: CP25-18274 Dilution Factor: 5000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.928	20406	66.957	TCX	2.615	25390	46.137	TCX
6.595	9765	50.151	DCB	6.096	25188	41.189	DCB

Files:
Area File: 25PCBS17284001.049.RAW
Area File: 25PCBS17284001B.049.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:26 PM
File Reported On: 10/12/2017 at 4:31:01 PM

9229385MS ACF DF500AD95A16MS MS 172780031A 10225 SW-846 80

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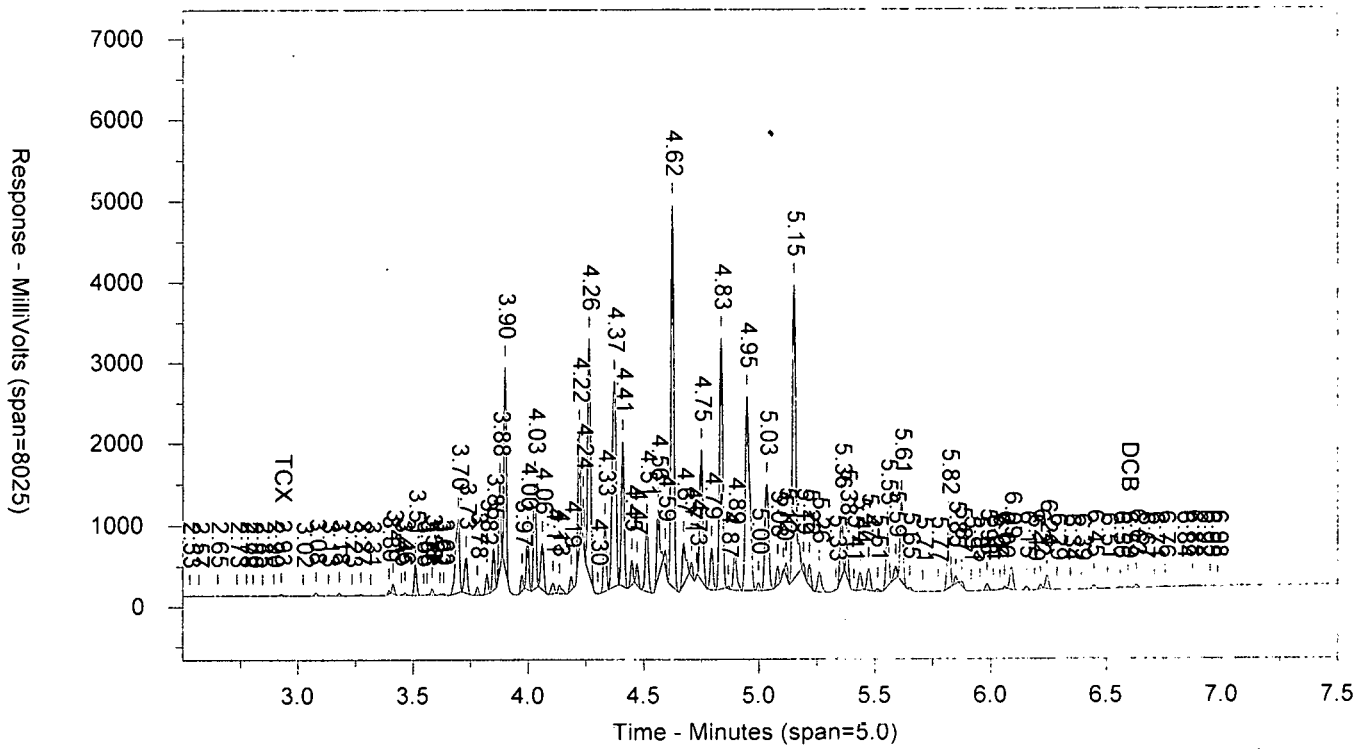

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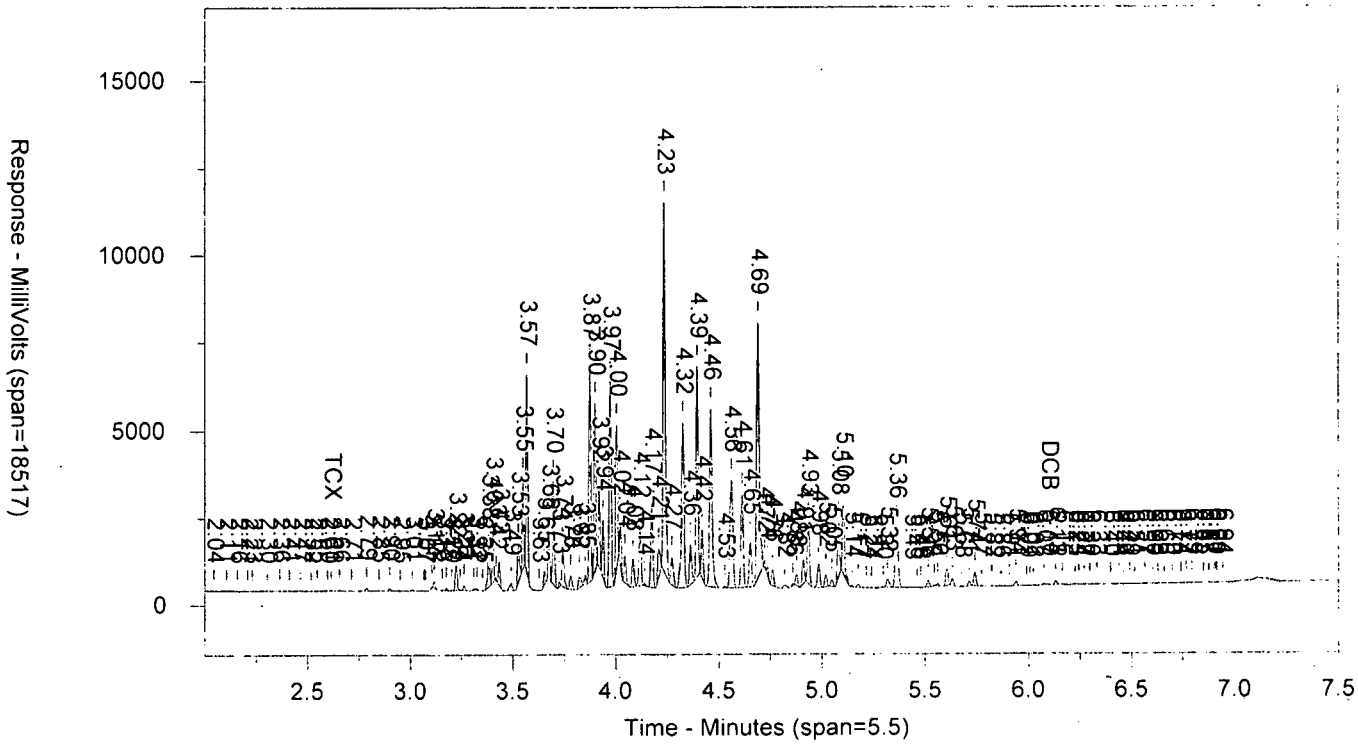

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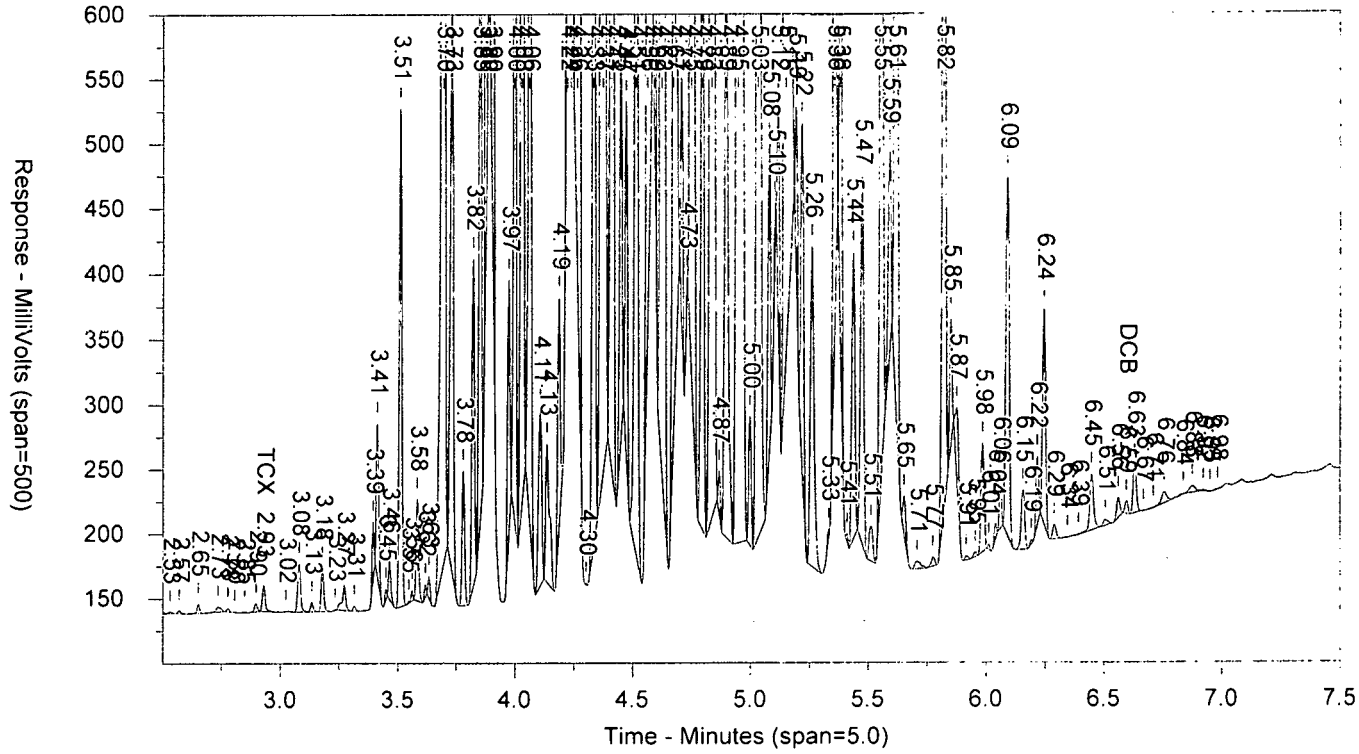

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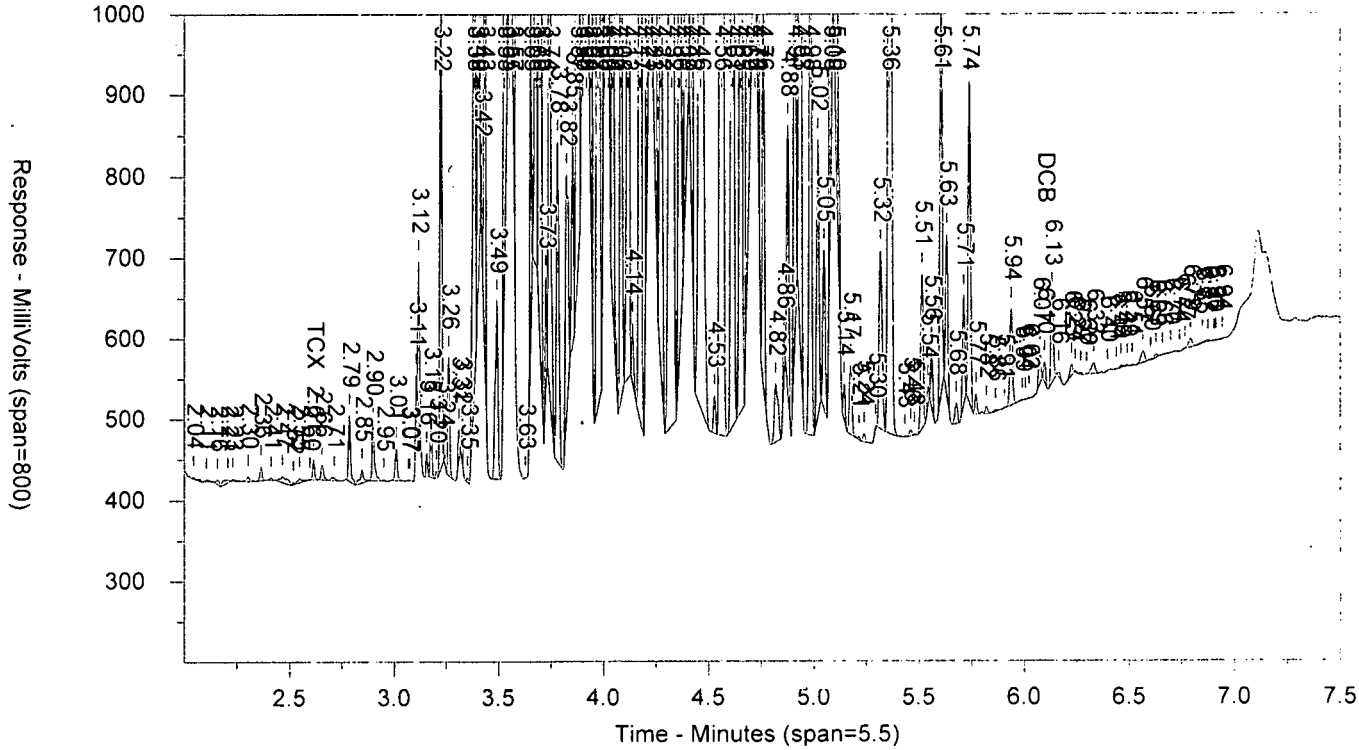

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229385 MSD ACF DF50 95A16MSD MSD Sample ID:AD **Batchnumber: 172780031A**
Sample Amount: 10.5 g Total Volume: 5000 ml Analyst: 2855 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 06:32:23
Instrument	18274A
Result file	25PCBS17284001.050.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 161% (61 - 152) Conc: 46.77851
%SSR(DCB) 117% (48 - 164) Conc: 30.3211

Analysis Report (B)

Injected on	Oct 12, 2017 06:32:23
Instrument	18274B
Result file	25PCBS17284001B.050.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 28.27716
%SSR(DCB) 88% (48 - 164) Conc: 22.86868

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	14821	46.77851
Decachlorobiphenyl	6.57	6.60	6.63	6138	30.3211

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	16178	28.27716
Decachlorobiphenyl	6.07	6.10	6.13	14539	22.86868

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	28.27716			P	49.30	
Tetrachloro-m-xylene-D1	A	46.77851					
Tetrachloro-m-xylene-D2	B	28.27716					
Decachlorobiphenyl	A	30.3211				28.02	
Decachlorobiphenyl-D1	A	30.3211					
Decachlorobiphenyl-D2	B	22.86868					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**41.28**	
4.55	4.56	4.59	424536.6	66576.298054			1
4.61	4.62	4.65	2867436	229641.746247			2
4.73	4.75	4.77	1017820	253696.586538			3
4.82	4.84	4.86	1989518	233260.412772			4
5.02	5.03	5.06	794198.8	127822.283885			5
5.13	5.15	5.17	2379546	273055.154797			6

Height summation: **9473055.4**
Concentration CF: **197342.080382** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**27.12**	
4.22	4.23	4.26	6590310	243387.631084			1
4.31	4.33	4.35	2988514	227670.692186			2
4.38	4.39	4.42	3732655	233023.52433			3
4.44	4.46	4.48	3373146	329773.554063			4
4.59	4.61	4.63	1510749	129779.470534			5
4.67	4.69	4.71	4472137	253105.450562			6

Height summation: **22667511**
Concentration CF: **236123.387127** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<24285.714	<4714.2857			4	
PCB-1221			<24285.714	<7285.7142			3	
PCB-1232			<24285.714	<5857.1428			4	
PCB-1242			<24285.714	<5857.1428			4	
PCB-1248			<24285.714	<4714.2857			4	
PCB-1254	B	236123.387127	24285.714	6285.7142		17.89	4	
PCB-1260			<24285.714	<5571.4285			4	
PCB-1262			<24285.714	<4714.2857			4	
PCB-1268			<24285.714	<4714.2857			4	
Total PCBs	A	236123.387127	24285.714	4714.2857				

Units: ug/kg

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

Valerie L. Tomayko
Principal Operator

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:45

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229385** MSD ACF DF50 95A16MSD ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.5 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:32:23
Instrument : CP25--18274A
Result file : 25PCBS17284001.050.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *161% (61-152) Conc.: 46.77851
%SSR(DCB) : 117% (48-164) Conc.: 30.3211

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	65.73	
3.16	3.18	3.20	26283.55	4742.110024			1
+ 3.38	3.40	3.42	32501.04	6339.597927			2
3.38	3.41	3.42	95762.88	18679.345508			2
3.49	3.51	3.53	311949.3	47499.542201			3
3.71	3.73	3.75	332121.7	44302.806787			4
3.76	3.78	3.80	76768.59	11844.364314			5
3.96	3.97	4.00	155637	35680.174755			6
Height Summation:			**998523.02**				
Amount Avg CF:			**27124.723932**	Linear:			
Aroclor-1221					3	85.33	
3.06	3.08	3.10	31318.17	13238.385629			1
3.11	3.13	3.15	5766.802	2768.912338			2
3.16	3.18	3.20	26283.55	4060.917138			3
Height Summation:			**63368.522**				
Amount Avg CF:			**6689.405035**	Linear:			
Aroclor-1232					6	66.93	
3.16	3.18	3.20	26283.55	4637.601729			1
+ 3.38	3.40	3.42	32501.04	15386.331286			2
3.38	3.41	3.42	95762.88	45335.146094			2
E 3.49	3.51	3.53	311949.3	109359.831161			3
E 3.70	3.73	3.74	332121.7	95770.269932			4
3.76	3.78	3.80	76768.59	29990.054754			5
3.95	3.97	3.99	155637	89310.836835			6
Height Summation:			**998523.02**				
Amount Avg CF:			**62400.623417**	Linear:			
Aroclor-1242					6	63.98	
3.16	3.18	3.20	26283.55	3433.629993			1
+ 3.37	3.40	3.41	32501.04	5013.820346			2
3.37	3.41	3.41	95762.88	14773.000377			2
3.49	3.51	3.53	311949.3	35879.08027			3
3.70	3.73	3.74	332121.7	30752.171562			4
3.76	3.78	3.80	76768.59	9264.278256			5
3.95	3.97	3.99	155637	27735.498326			6
Height Summation:			**998523.02**				
Amount Avg CF:			**20306.276464**	Linear:			
Aroclor-1248					6	80.49	
3.71	3.73	3.75	332121.7	81179.961679			1
3.76	3.78	3.80	76768.59	21682.055893			2
3.83	3.85	3.87	388496.2	72574.76493			3
3.98	4.00	4.02	474374.9	285617.297827			4
4.04	4.06	4.08	402169.5	76705.396852			5
4.22	4.22	4.26	891451.7	177497.114384			6
+ 4.22	4.24	4.26	326294.2	64968.499068			6
Height Summation:			**2565382.59**				
Amount Avg CF:			**119209.431928**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:32:23
Instrument : CP25--18274B
Result file : 25PCBS17284001B.050.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 97% (61-152) Conc.: 28.27716
%SSR(DCB) : 88% (48-164) Conc.: 22.86868

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	152.15	
2.88	2.90	2.92	55314.98	5507.201671			1
3.21	3.23	3.25	570753.9	46928.608667			2
+ 3.21	3.24	3.25	9215.881	757.749484			2
3.40	3.40	3.44	1114059	93320.812151			3
+ 3.40	3.42	3.44	74443.28	6235.852274			3
+ 3.40	3.43	3.44	526864.7	44133.606656			3
3.47	3.49	3.51	171176	13040.045689			4
+ 3.53	3.55	3.57	1925648	176330.049564			5
3.53	3.57	3.57	4203175	384881.378151			5
3.64	3.65	3.68	319446.4	28966.316589			6
Height Summation:			**6433925.28**				
Amount Avg CF:			**95440.727153**	Linear:			
Aroclor-1221					3	68.48	
2.77	2.79	2.81	68923.67	14273.04108			1
2.83	2.85	2.87	14441.46	4948.583898			2
2.88	2.90	2.92	55314.98	4691.997407			3
Height Summation:			**138680.11**				
Amount Avg CF:			**7971.207462**	Linear:			
Aroclor-1232					6	166.49	
2.88	2.90	2.92	55314.98	5168.257844			1
E 3.21	3.23	3.25	570753.9	106043.328753			2
+ 3.21	3.24	3.25	9215.881	1712.266353			2
E 3.40	3.40	3.44	1114059	209737.145988			3
+ 3.40	3.42	3.44	74443.28	14014.985818			3
E+ 3.40	3.43	3.44	526864.7	99189.628646			3
3.47	3.49	3.51	171176	31280.086351			4
E+ 3.53	3.55	3.57	1925648	516653.65125			5
E 3.53	3.57	3.57	4203175	1127716.857179			5
3.63	3.65	3.67	319446.4	74835.226363			6
Height Summation:			**6433925.28**				
Amount Avg CF:			**259130.150413**	Linear:			
Aroclor-1242					6	164.15	
2.88	2.90	2.92	55314.98	4205.928221			1
3.21	3.23	3.25	570753.9	36048.535303			2
+ 3.21	3.24	3.25	9215.881	582.070506			2
3.40	3.40	3.44	1114059	63845.295339			3
+ 3.40	3.42	3.44	74443.28	4266.249092			3
+ 3.40	3.43	3.44	526864.7	30193.941591			3
3.47	3.49	3.51	171176	9922.383561			4
E+ 3.53	3.55	3.57	1925648	158153.441973			5
E 3.53	3.57	3.57	4203175	345206.701051			5
3.63	3.65	3.67	319446.4	21746.301096			6
Height Summation:			**6433925.28**				
Amount Avg CF:			**80162.524095**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229385** MSD ACF DF50 95A16MSD ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.5 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:32:23
Instrument : CP25--18274A
Result file : 25PCBS17284001.050.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	41.28	
4.55	4.56	4.59	424536.6	66576.298054			1
+ 4.55	4.58	4.59	32140.69	5040.33847			1
4.61	4.62	4.65	2867436	229641.746247			2
4.73	4.75	4.77	1017820	253696.586538			3
4.82	4.84	4.86	1989518	233260.412772			4
5.02	5.03	5.06	794198.8	127822.283885			5
5.13	5.15	5.17	2379546	273055.154797			6
Height Summation:			**9473055.4**				
Amount Avg CF:			**197342.080382**	Linear:			
Aroclor-1260					6	66.93	
4.73	4.75	4.77	1017820	103746.439547			1
4.93	4.95	4.97	1530420	134938.262975			2
5.13	5.15	5.17	2379546	173031.82958			3
5.36	5.38	5.40	238636.1	32634.542064			4
5.60	5.62	5.64	668723	36643.658595			5
5.80	5.82	5.84	519649.3	45114.856967			6
Height Summation:			**6354794.4**				
Amount Avg CF:			**87684.931621**	Linear:			
Aroclor-1262					6	56.12	
5.20	5.22	5.24	193975	16940.244921			1
5.36	5.38	5.40	238636.1	23910.332791			2
5.60	5.62	5.64	668723	29607.16635			3
5.80	5.82	5.84	519649.3	34918.874493			4
5.86	5.88	5.90	24938.55	3543.255616			5
6.23	6.25	6.27	113554.4	13336.220009			6
Height Summation:			**1759476.35**				
Amount Avg CF:			**20376.015697**	Linear:			
Aroclor-1268					6	117.57	
5.80	5.82	5.84	519649.3	20270.423134			1
5.86	5.88	5.90	24938.55	1079.589933			2
5.99	6.01	6.03	2173.643	101.15508			3
+ 6.06	6.06	6.10	20085.41	3356.854797			4
6.06	6.09	6.10	184204.5	30785.916711			4
6.23	6.25	6.27	113554.4	12177.234287			5
6.43	6.45	6.47	31021.52	434.493063			6
Height Summation:			**875541.913**				
Amount Avg CF:			**10808.135368**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 06:32:23
Instrument : CP25--18274B
Result file : 25PCBS17284001B.050.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	83.31	
3.40	3.40	3.44	1114059	184438.946293			1
+ 3.40	3.42	3.44	74443.28	12324.517931			1
+ 3.40	3.43	3.44	526864.7	87225.515082			1
3.47	3.49	3.51	171176	23558.547033			2
3.51	3.53	3.55	824224.6	69194.536869			3
3.64	3.65	3.68	319446.4	21899.058172			4
+ 3.73	3.73	3.77	102641	10148.929329			5
3.73	3.74	3.77	767547.6	75893.515738			5
3.86	3.88	3.90	3784398	212785.022513			6
Height Summation:			**6980851.6**				
Amount Avg CF:			**97961.604436**	Linear:			
Aroclor-1254					6	27.12	
4.22	4.23	4.26	6590310	243387.631084			1
4.31	4.33	4.35	2988514	227670.692186			2
4.38	4.39	4.42	3732655	233023.52433			3
4.44	4.46	4.48	3373146	329773.554063			4
4.59	4.61	4.63	1510749	129779.470534			5
4.67	4.69	4.71	4472137	253105.450562			6
Height Summation:			**22667511**				
Amount Avg CF:			**236123.387126**	Linear:			
Aroclor-1260					6	62.78	
4.31	4.33	4.35	2988514	130162.820434			1
4.44	4.46	4.48	3373146	136960.189202			2
4.55	4.56	4.59	1873962	91644.887877			3
4.89	4.91	4.93	489654.4	30839.81704			4
5.09	5.10	5.13	1227925	34150.464416			5
5.34	5.36	5.38	1104617	41601.540082			6
Height Summation:			**11057818.4**				
Amount Avg CF:			**77559.953175**	Linear:			
Aroclor-1262					6	58.60	
4.70	4.72	4.74	161545.4	6565.045721			1
+ 4.70	4.74	4.74	124313.6	5051.982091			1
4.89	4.91	4.93	489654.4	21041.407272			2
5.08	5.10	5.12	1227925	25297.998286			3
5.30	5.32	5.34	160104.2	8312.97191			4
5.34	5.36	5.38	1104617	33499.683636			5
5.72	5.74	5.76	287774.3	12949.317724			6
Height Summation:			**3431620.3**				
Amount Avg CF:			**17944.404091**	Linear:			
Aroclor-1268					5	108.92	
5.30	5.32	5.34	160104.2	2791.18659			1
5.35	5.36	5.39	1104617	18969.333176			2
5.50	5.52	5.54	117094.9	2206.269896			3
5.72	5.74	5.76	287774.3	12344.694331			5
5.92	5.94	5.96	82350.41	388.715411			6
Height Summation:			**1751940.81**				
Amount Avg CF:			**7340.039881**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229385** MSD ACF DF50 95A16MSD ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.5 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG95 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:32:23
Instrument : CP25--18274A
Result file : 25PCBS17284001.050.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 06:32:23
Instrument : CP25--18274B
Result file : 25PCBS17284001B.050.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			24285.714	4714.2857		** 111.48	4	40	
Aroclor-1221			24285.714	7285.7142		17.49	3	5	
Aroclor-1232			24285.714	5857.1428	E	** 122.37	4	10	
Aroclor-1242			24285.714	5857.1428		** 119.15	4	30	
Aroclor-1248			24285.714	4714.2857		19.57	4	40	
Aroclor-1254			24285.714	6285.7142		17.89	4	40	
Aroclor-1260			24285.714	5571.4285		12.25	4	40	
Aroclor-1262			24285.714	4714.2857		12.69	4	40	
Aroclor-1268			24285.714	4714.2857		38.22	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229385MSD ACF DF50AD95A16MSD MSD 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:32:23 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.050.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.047		26897	32320
2.087		5062	8878
2.204		11993	9606
2.257		763	630
2.299		817	800
2.33		2297	1486
2.368		945	682
2.454		328	228
2.49		9695	9362
2.532		1583	1545
2.568		1943	1707
2.652		8372	5912
2.736		5514	7241
2.777		1073	766
2.851		858	699
2.895		7212	6634
2.927	TCX	14821	13454
3.036		661	709
3.079		31318	26528
3.134		5767	4701
3.179		26284	20273
3.231		604	308
3.273		16669	19600
3.316		3061	2311
3.367		368	192
3.396		32501	17981
3.413		95763	66723
3.449		5983	3133
3.464		21186	14027
3.511		311949	229883
3.546		1694	717
3.561		6027	2915
3.585		57124	44938
3.62		7491	3799
3.635		13778	7611
3.697		707935	834425
3.732		332122	313653
3.781		76769	57901
3.822		188991	152059
3.851		388496	279508
3.877		764049	502573
3.9		1789433	1281723
3.973		155637	107663
3.998		474375	358281
4.028		978170	748885
4.062		402170	373422
4.108		100245	97661
4.136		80594	90092
4.187		135371	101301
4.222		891452	585294
4.238		326294	170530
4.264		1952537	1758681
4.303		1083	446
4.333		570992	476280

RT A	Compound A	Height A	Area A
4.373		1655204	1898795
4.41		1158897	964206
4.45		225517	166496
4.472		190871	133217
4.513		497406	472713
4.563		424537	328085
4.579		32141	12560
4.593		99955	55378
4.624		2867437	2543337
4.674		344597	386105
4.708		100449	63089
4.73		21682	12411
4.749		1017820	951034
4.795		347505	313355
4.835		1989518	1862512
4.867		20936	11675
4.895		302121	319907
4.947		1530420	2014819
4.998		68078	55557
5.034		794199	891403
5.08		158718	125287
5.118		174058	220699
5.151		2379546	2348257
5.192		63972	41275
5.218		193975	160520
5.261		167789	186319
5.331		6288	4327
5.357		432746	373291
5.38		238636	194262
5.41		4848	2238
5.436		160547	144902
5.474		178265	178859
5.513		16629	19202
5.555		402104	384798
5.591		98608	80636
5.615		668723	593642
5.653		21750	18224
5.715		3895	7332
5.777		4706	4944
5.819		519649	490283
5.849		69862	54165
5.875		24939	20955
5.916		2567	2337
5.955		4220	4566
5.985		53855	48913
6.009		2174	1344
6.04		7578	5358
6.061		20085	13709
6.09		184205	182048
6.156		32179	31949
6.193		2456	1886
6.218		31483	25563
6.245		113554	110179
6.291		8573	9226
6.318		593	155
6.334		552	568
6.38		522	398
6.447		31022	35741
6.508		4929	7482
6.562		9593	10483
6.596	DCB	6138	5486
6.633		25014	23962
6.672		552	229
6.71		140	529
6.762		7721	12230
6.803		645	214

RT A	Compound A	Height A	Area A
6.846		650	1341
6.881		5209	8022
6.917		980	1278
6.986		307	517

LANCASTER LABORATORIES

Sample Number: 9229385MSD ACF DF50AD95A16MSD MSD 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:32:23 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.050.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.159		4960	3955
2.192		4684	6411
2.229		2548	3718
2.304		4447	6335
2.364		17484	11676
2.413		2662	2031
2.468		11005	30142
2.548		4648	8736
2.614	TCX	16178	12241
2.654		15338	15213
2.715		3868	6312
2.787		68924	52225
2.847		14441	18025
2.899		55315	42699
2.989		1367	510
3.009		35209	24690
3.068		690	176
3.106		33660	16160
3.117		150023	82216
3.157		23982	12880
3.178		53361	31674
3.203		7331	3553
3.225		570754	353229
3.244		9216	3674
3.263		113868	66733
3.312		27724	16755
3.325		25596	12051
3.354		7225	3465
3.385		865736	551491
3.404		1114059	597810
3.419		74443	22335
3.435		526865	291853
3.493		171176	151394
3.527		824225	541018
3.551		1925648	998314
3.568		4203175	2338609
3.627		1270	1000
3.654		319446	173795
3.677		980396	555162
3.697		2210416	1390166
3.727		102641	48069
3.743		767548	512127
3.781		291162	245152
3.824		214694	207291
3.853		190935	115296
3.876		3784398	2481571
3.9		3536869	2004901
3.92		1501403	814261
3.939		1122662	660435
3.975		3817964	2617484
4.005		2608006	1626775
4.023		742271	370708
4.045		563219	362073
4.084		520464	398360

RT B	Compound B	Height B	Area B
4.118		1056088	740254
4.139		52638	32896
4.175		1441610	1029053
4.208		466452	406530
4.234		6590311	4883449
4.272		534616	446565
4.325		2988514	2596073
4.362		788652	607235
4.394		3732655	2541478
4.418		887706	589192
4.462		3373146	2806525
4.529		32072	23056
4.561		1873962	1846120
4.612		1510749	1217408
4.652		819891	684908
4.69		4472137	4000553
4.722		161545	70253
4.736		124314	65872
4.761		305282	228686
4.82		46539	57965
4.859		40237	23840
4.876		229476	156940
4.91		489654	335929
4.934		1021403	779806
4.984		452614	378109
5.019		223546	182161
5.049		130819	104218
5.082		971555	641775
5.103		1227925	925319
5.144		31490	19515
5.176		59062	51156
5.199		1646	786
5.213		2730	1402
5.238		8047	6940
5.294		5414	3528
5.318		160104	156089
5.36		1104617	1139286
5.434		1620	1735
5.461		5854	4341
5.483		1526	813
5.515		117095	102098
5.545		17659	10404
5.562		50158	33526
5.607		309967	241593
5.632		137596	103394
5.678		17400	16301
5.713		83278	64137
5.74		287774	224320
5.772		16990	12500
5.801		3404	2751
5.822		7023	5019
5.845		914	382
5.871		1297	1297
5.892		996	773
5.938		82350	73419
5.996		1242	2994
6.025		1670	1254
6.075		27878	21792
6.097	DCB	14539	9566
6.133		67641	57119
6.164		7800	10336
6.227		16038	29197
6.273		1722	1119
6.297		2577	1170
6.333		13403	17476
6.382		809	137

RT B	Compound B	Height B	Area B
6.431		2681	3784
6.462		1424	685
6.484		3515	3981
6.519		2165	2194
6.571		11447	18053
6.601		2304	2085
6.628		6727	9608
6.701		1233	1830
6.717		865	410
6.794		10838	17511
6.859		995	2953
6.874		948	479
6.927		1059	556
6.942		2568	3696
6.993		1700	2499

9229385MSD ACF DF50AD95A16MSD MSD 172780031A 10225 **SW-846**

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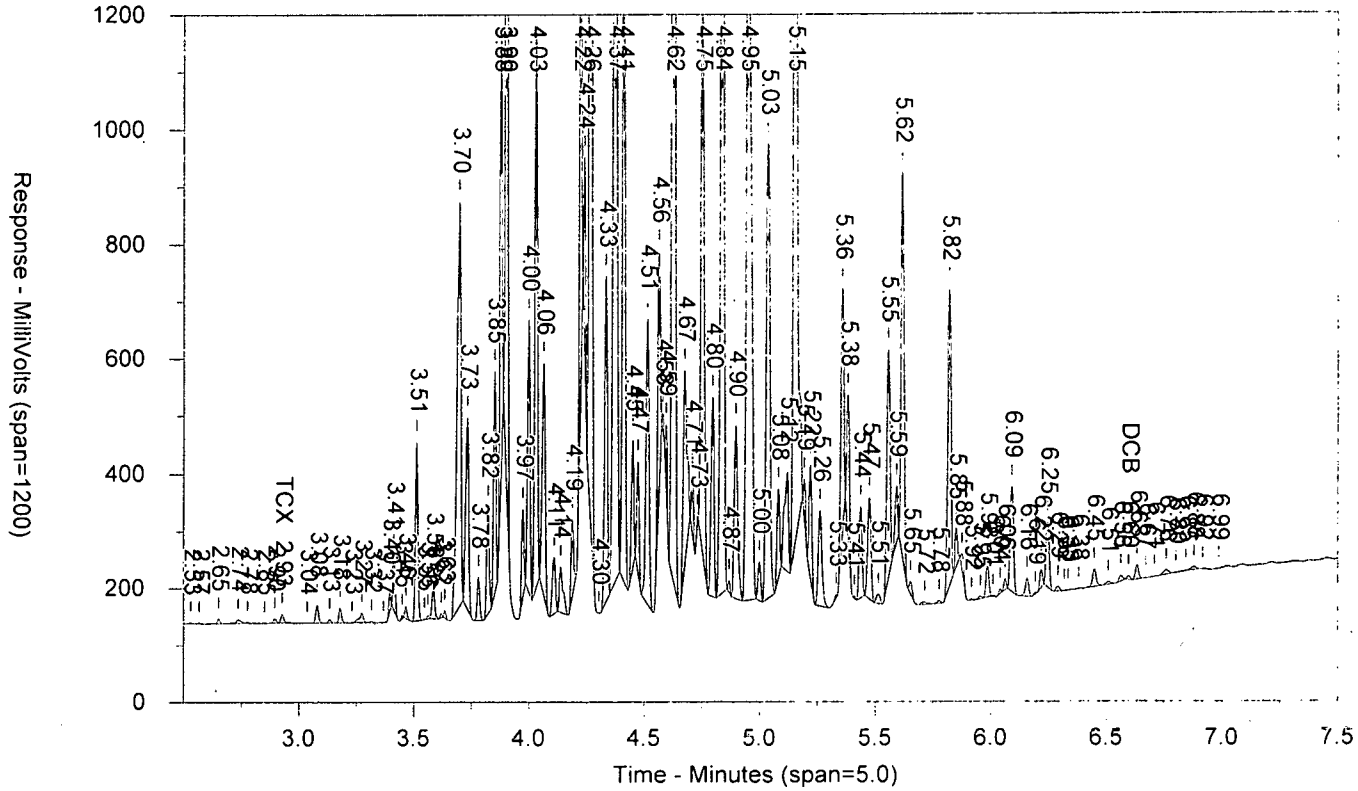

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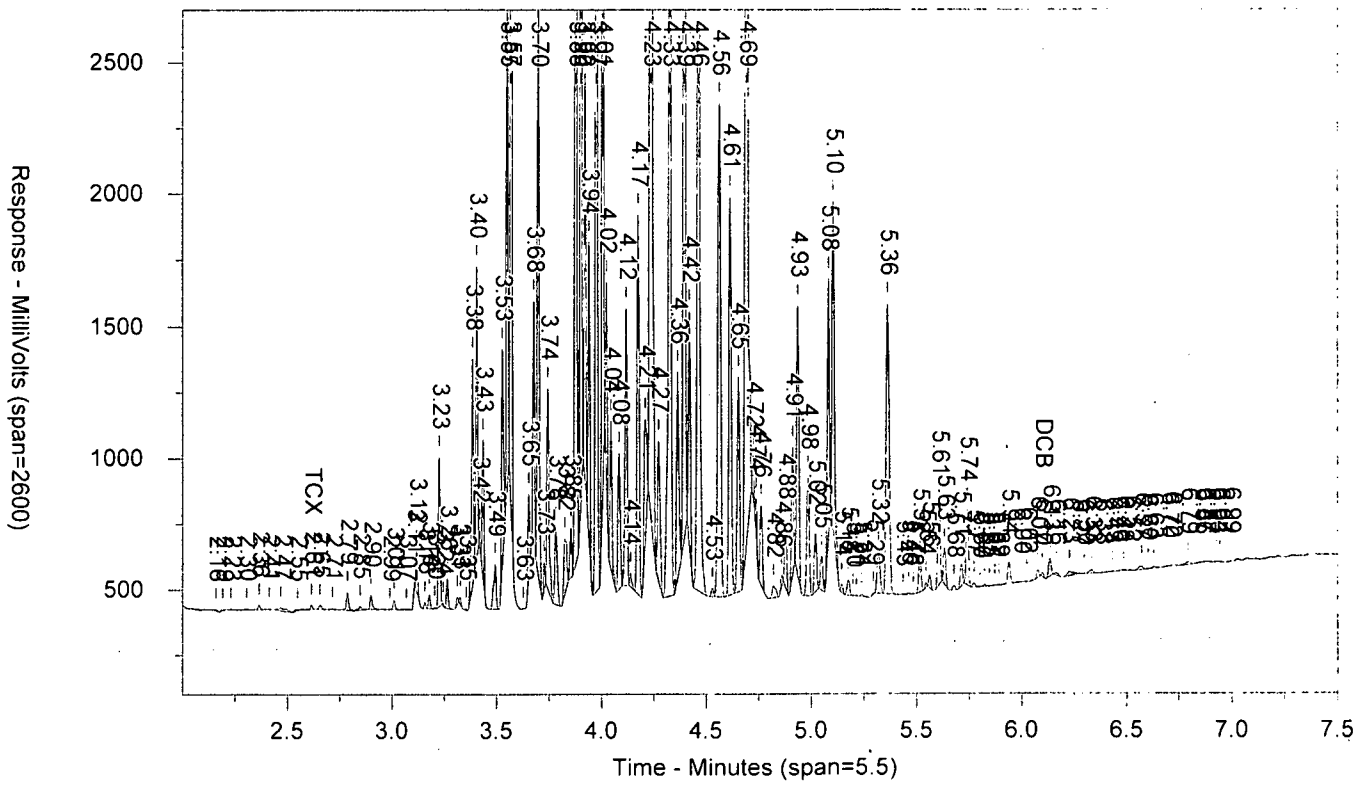


LANCASTER LABORATORIES

Sample Number: 9229385MSD ACF DF50AD95A16MSD MSD 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 6:32:23 AM Sample Weight: 10.5
Instrument ID: CP25-18274 Dilution Factor: 5000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

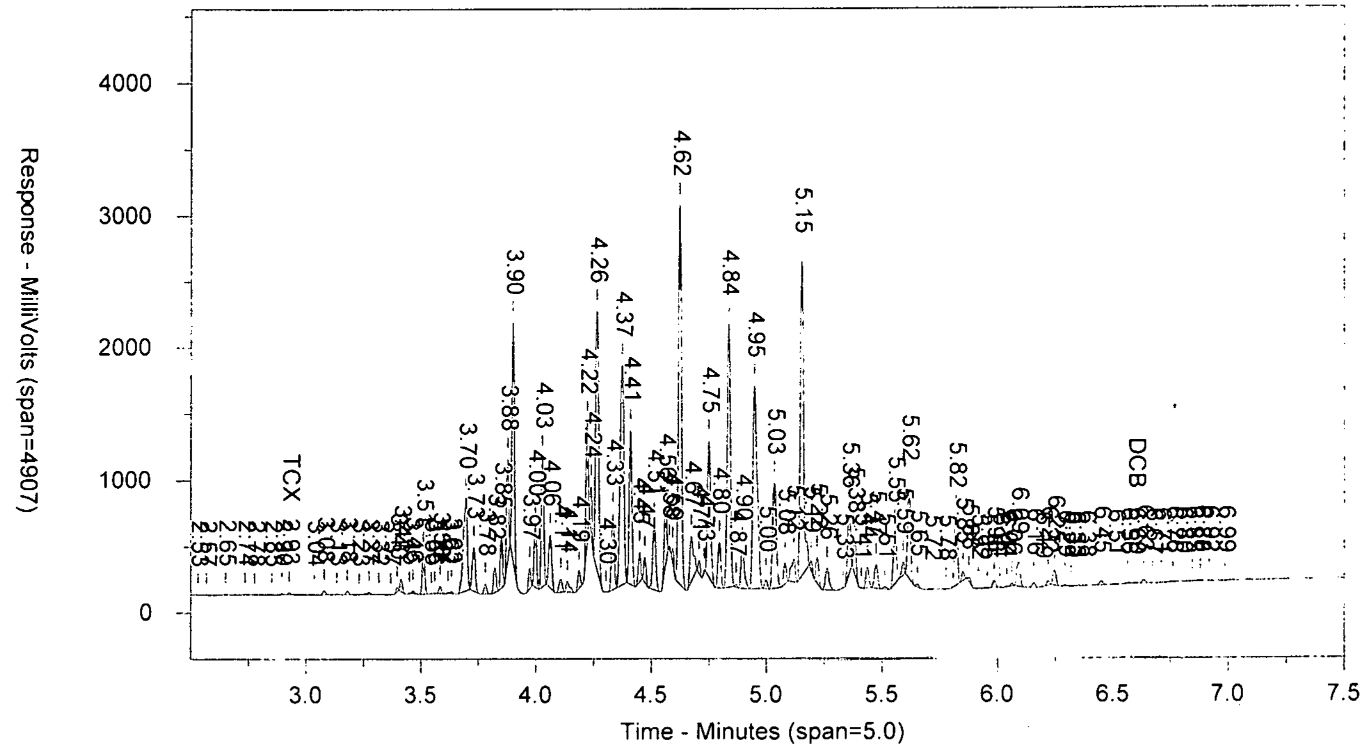
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.927	14821	46.779	TCX	2.614	16178	28.277	TCX
6.596	6138	30.321	DCB	6.097	14539	22.869	DCB

Files:
Area File: 25PCBS17284001.050.RAW
Area File: 25PCBS17284001B.050.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:26 PM
File Reported On: 10/12/2017 at 4:31:14 PM

9229385MSD ACF DF50AD95A16MSD MSD 172780031A 10225 SW-846

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.050.RAW



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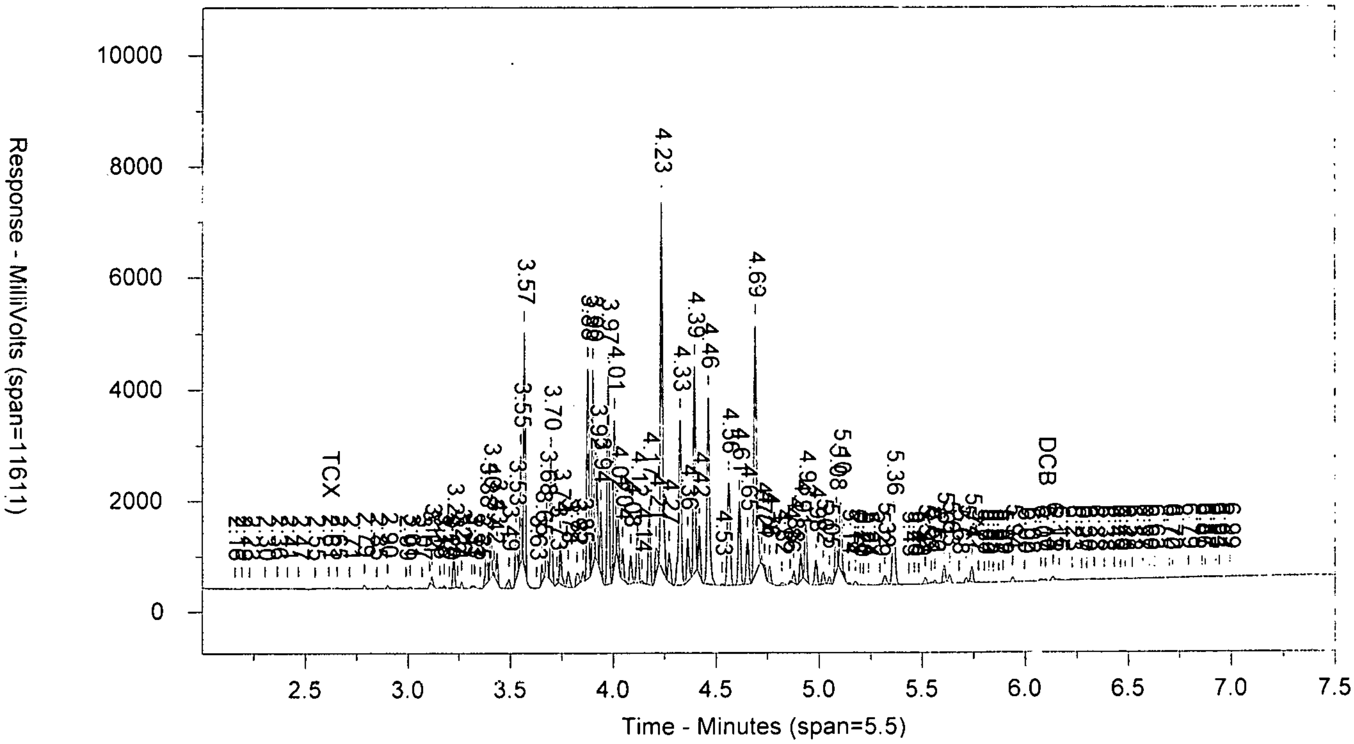

9229385MSD ACF DF50AD95A16MSD MSD 172780031A 10225 SW-846

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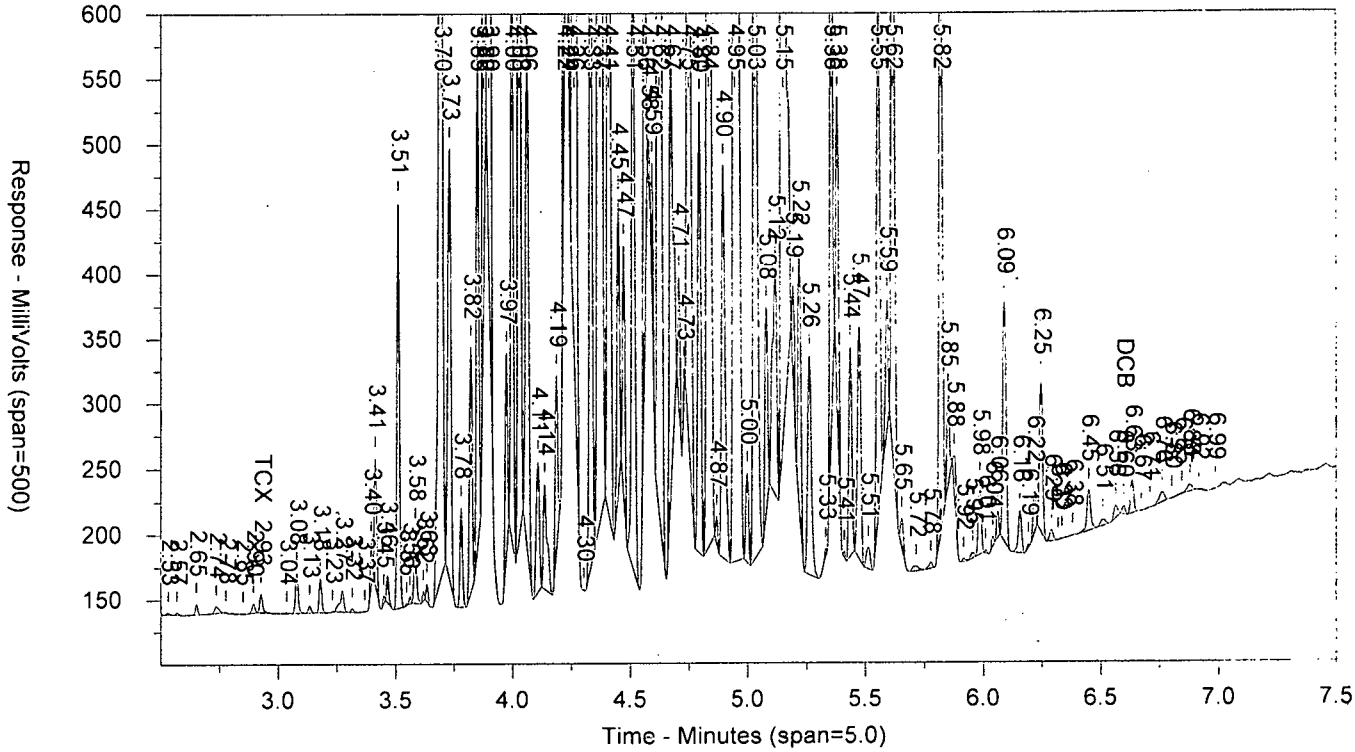

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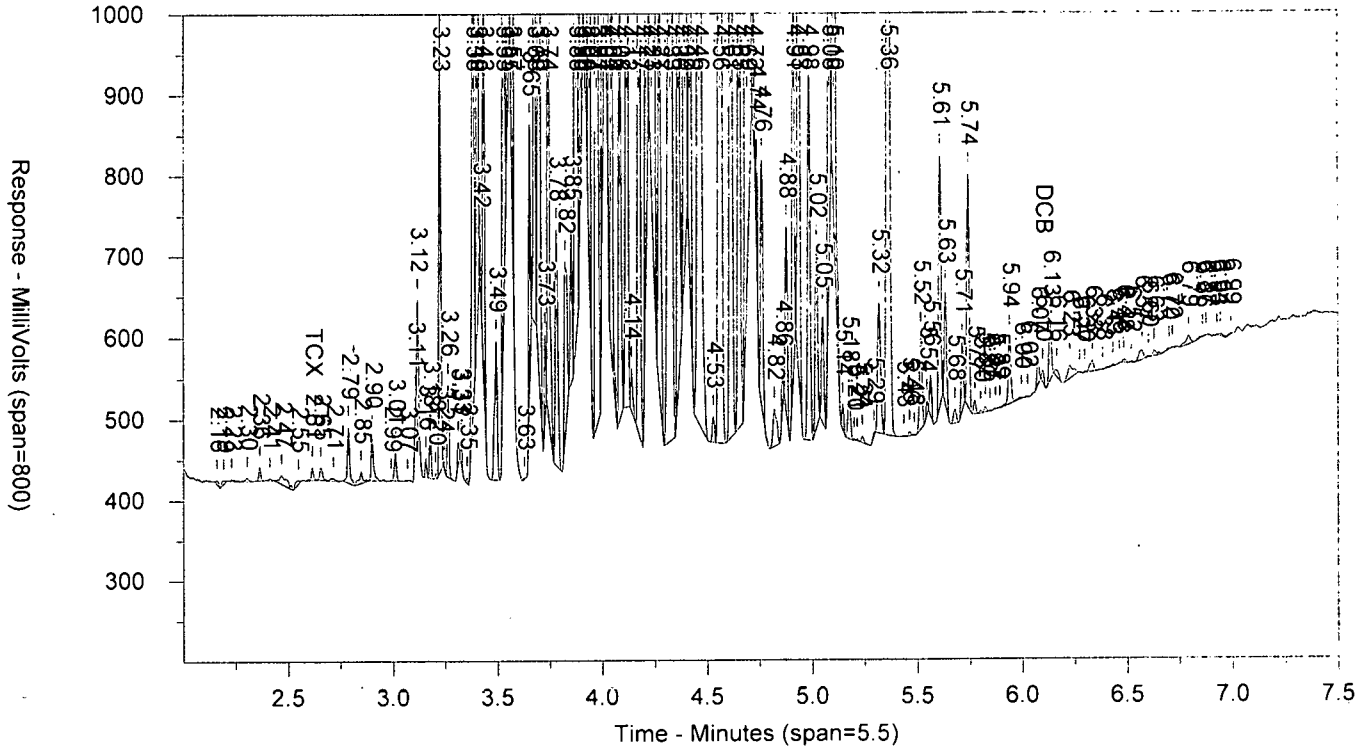

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Lancaster Laboratories Environmental

Data Summary

Sample Name: LCSA 10/6/17 RI ACF LCS31278 LCS Sample ID: AB **Batchnumber: 172780031A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 05:58:49
Instrument	18274A
Result file	25PCBS17284001.047.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 99% (61 - 152) Conc: 30.3259

%SSR(DCB) 104% (48 - 164) Conc: 28.16667

Analysis Report (B)

Injected on	Oct 12, 2017 05:58:49
Instrument	18274B
Result file	25PCBS17284001B.047.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 29.80293

%SSR(DCB) 104% (48 - 164) Conc: 28.17469

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4575292	30.3259
Decachlorobiphenyl	6.57	6.60	6.63	2715025	28.16667

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	8119414	29.80293
Decachlorobiphenyl	6.07	6.10	6.13	8529491	28.17469

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	30.3259				1.74	
Tetrachloro-m-xylene-D1	A	30.3259					
Tetrachloro-m-xylene-D2	B	29.80293					
Decachlorobiphenyl	B	28.17469				0.03	
Decachlorobiphenyl-D1	A	28.16667					
Decachlorobiphenyl-D2	B	28.17469					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.38**	
3.16	3.18	3.20	1137977	431.161905			1
3.38	3.39	3.42	1066069	436.685796			2
3.49	3.51	3.53	1323774	423.290528			3
3.71	3.72	3.75	1661064	465.307069			4
3.76	3.78	3.80	1445158	468.233863			5
3.96	3.97	4.00	1038314	499.875816			6
Height summation:			**7672356**				
Concentration		CF:	**454.092496**	L:			
Aroclor-1260						**5.86**	
4.73	4.75	4.77	2249682	481.551399			1
4.93	4.95	4.97	2852046	528.08071			2
5.13	5.15	5.17	3641542	556.079024			3
5.36	5.38	5.40	1674755	480.963321			4
5.60	5.62	5.64	4575570	526.522659			5
5.80	5.82	5.84	2732005	498.092523			6
Height summation:			**17725600**				
Concentration		CF:	**511.881606**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.67**	
2.88	2.90	2.92	2014894	421.269211			1
3.21	3.23	3.25	2478874	428.018497			2
3.40	3.42	3.44	2750416	483.824659			3
3.47	3.49	3.51	3018754	482.928969			4
3.53	3.55	3.57	2366497	455.066305			5
3.64	3.65	3.68	2589049	493.008991			6
Height summation:			**15218484**				
Concentration		CF:	**460.686105**	L:			
Aroclor-1260						**5.44**	
4.31	4.33	4.35	5559589	508.503138			1
4.44	4.46	4.48	6782574	578.326434			2
4.55	4.56	4.59	5320796	546.441113			3
4.89	4.91	4.93	3945616	521.862682			4
5.09	5.10	5.13	9831475	574.199416			5
5.34	5.36	5.38	6585870	520.870947			6
Height summation:			**38025920**				
Concentration		CF:	**541.700622**	L:			

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:40

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Lancaster Laboratories Environmental

Data Summary

Sample Name: LCSA 10/6/17 RI ACF LCS31278 LCS Sample ID: AB **Batchnumber: 172780031A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 05:58:49
Instrument	18274A
Result file	25PCBS17284001.047.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 12, 2017 05:58:49
Instrument	18274B
Result file	25PCBS17284001B.047.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	B	460.686105	51	9.9		1.44	4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260	B	541.700622	51	11.7		5.66	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	1002.386727	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:40

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/6/17 RI ACF LCS31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274A
Result file : 25PCBS17284001.047.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 99% (61-152) Conc.: 30.3259
%SSR(DCB) : 104% (48-164) Conc.: 28.16667

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.38	
3.16	3.18	3.20	1137977	431.161905			1
3.38	3.39	3.42	1066069	436.685796			2
+ 3.38	3.41	3.42	479388.3	196.36821			2
3.49	3.51	3.53	1323774	423.290528			3
3.71	3.72	3.75	1661064	465.307069			4
3.76	3.78	3.80	1445158	468.233863			5
3.96	3.97	4.00	1038314	499.875816			6
Height Summation:			7672356				
Amount Avg CF:			454.092496	Linear:			
Aroclor-1221					3	33.68	
3.06	3.08	3.10	214118.9	190.069726			1
E 3.11	3.13	3.15	249493.5	251.566436			2
E 3.16	3.18	3.20	1137977	369.226517			3
Height Summation:			1601589.4				
Amount Avg CF:			270.28756	Linear:			
Aroclor-1232					6	29.99	
E 3.16	3.18	3.20	1137977	421.659807			1
E 3.38	3.39	3.42	1066069	1059.845183			2
E+ 3.38	3.41	3.42	479388.3	476.589584			2
E 3.49	3.51	3.53	1323774	974.556354			3
E 3.70	3.72	3.74	1661064	1005.863664			4
E 3.76	3.78	3.80	1445158	1185.573056			5
E 3.95	3.97	3.99	1038314	1251.236234			6
Height Summation:			7672356				
Amount Avg CF:			983.122383	Linear:			
Aroclor-1242					6	8.77	
E 3.16	3.18	3.20	1137977	312.192345			1
E 3.37	3.39	3.41	1066069	345.363248			2
+ 3.37	3.41	3.41	479388.3	155.302424			2
E 3.49	3.51	3.53	1323774	319.735183			3
E 3.70	3.72	3.74	1661064	322.986371			4
E 3.76	3.78	3.80	1445158	366.237367			5
E 3.95	3.97	3.99	1038314	388.571664			6
Height Summation:			7672356				
Amount Avg CF:			342.514363	Linear:			
Aroclor-1248					6	39.75	
3.71	3.72	3.75	1661064	852.623406			1
3.76	3.78	3.80	1445158	857.139524			2
3.83	3.85	3.87	902883.2	354.200956			3
3.98	4.00	4.02	328433.3	415.268781			4
4.04	4.06	4.08	1091735	437.273661			5
4.22	4.22	4.26	1189353	497.305825			6
Height Summation:			6618626.5				
Amount Avg CF:			568.968692	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274B
Result file : 25PCBS17284001B.047.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 98% (61-152) Conc.: 29.80293
%SSR(DCB) : 104% (48-164) Conc.: 28.17469

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.67	
2.88	2.90	2.92	2014894	421.269211			1
3.21	3.23	3.25	2478874	428.018497			2
+ 3.40	3.40	3.44	127063.9	22.351764			3
3.40	3.42	3.44	2750416	483.824659			3
3.47	3.49	3.51	3018754	482.928969			4
3.53	3.55	3.57	2366497	455.066305			5
+ 3.53	3.57	3.57	690025.1	132.688599			5
3.64	3.65	3.68	2589049	493.008991			6
Height Summation:			15218484				
Amount Avg CF:			460.686105	Linear:			
Aroclor-1221					3	30.80	
2.77	2.79	2.81	443769.8	192.985713			1
+ 2.83	2.83	2.87	64675.16	46.540028			2
E 2.83	2.85	2.87	362239.8	260.666545			2
E 2.88	2.90	2.92	2014894	358.91078			3
Height Summation:			2820903.6				
Amount Avg CF:			270.854346	Linear:			
Aroclor-1232					6	32.81	
E 2.88	2.90	2.92	2014894	395.34196			1
E 3.21	3.23	3.25	2478874	967.182013			2
+ 3.40	3.40	3.44	127063.9	50.235258			3
E 3.40	3.42	3.44	2750416	1087.388769			3
E 3.47	3.49	3.51	3018754	1158.436113			4
E 3.53	3.55	3.57	2366497	1333.361322			5
E+ 3.53	3.57	3.57	690025.1	388.782567			5
E 3.63	3.65	3.67	2589049	1273.70145			6
Height Summation:			15218484				
Amount Avg CF:			1035.901938	Linear:			
Aroclor-1242					6	9.42	
E 2.88	2.90	2.92	2014894	321.729286			1
E 3.21	3.23	3.25	2478874	328.785369			2
+ 3.40	3.40	3.44	127063.9	15.291926			3
E 3.40	3.42	3.44	2750416	331.007923			3
E 3.47	3.49	3.51	3018754	367.468533			4
E 3.53	3.55	3.57	2366497	408.156764			5
+ 3.53	3.57	3.57	690025.1	119.010678			5
E 3.63	3.65	3.67	2589049	370.123758			6
Height Summation:			15218484				
Amount Avg CF:			354.545272	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/6/17 RI ACF LCS31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274A
Result file : 25PCBS17284001.047.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**99.32**	
+ 4.55	4.56	4.59	155392.8	51.174628			1
4.55	4.58	4.59	222528.9	73.284178			1
4.61	4.62	4.65	710295.7	119.458096			2
E 4.73	4.75	4.77	2249682	1177.562784			3
4.82	4.83	4.86	423936.7	104.379083			4
5.02	5.04	5.06	1351024	456.625021			5
5.13	5.15	5.17	3641542	877.527819			6
Height Summation:			**8599009.3**				
Amount Avg CF:			**468.139497**	Linear:			
Aroclor-1260					**6**	**5.86**	
4.73	4.75	4.77	2249682	481.551399			1
4.93	4.95	4.97	2852046	528.08071			2
5.13	5.15	5.17	3641542	556.079024			3
5.36	5.38	5.40	1674755	480.963321			4
5.60	5.62	5.64	4575570	526.522659			5
5.80	5.82	5.84	2732005	498.092523			6
Height Summation:			**17725600**				
Amount Avg CF:			**511.881606**	Linear:			
Aroclor-1262					**6**	**29.12**	
E 5.20	5.22	5.24	1528110	280.25143			1
E 5.36	5.38	5.40	1674755	352.387144			2
E 5.60	5.62	5.64	4575570	425.417236			3
E 5.80	5.82	5.84	2732005	385.523339			4
5.86	5.88	5.90	571715.4	170.580927			5
E 6.23	6.25	6.27	1121822	276.676346			6
Height Summation:			**12203977.4**				
Amount Avg CF:			**315.139404**	Linear:			
Aroclor-1268					**6**	**91.36**	
E 5.80	5.82	5.84	2732005	223.796481			1
5.86	5.88	5.90	571715.4	51.97408			2
5.99	6.01	6.03	98834.41	9.658884			3
6.06	6.09	6.10	502590.7	176.394727			4
E 6.23	6.25	6.27	1121822	252.631757			5
6.43	6.45	6.47	305930.2	8.99832			6
Height Summation:			**5332897.71**				
Amount Avg CF:			**120.575708**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274B
Result file : 25PCBS17284001B.047.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**49.55**	
+ 3.40	3.40	3.44	127063.9	44.175952			1
E 3.40	3.42	3.44	2750416	956.229464			1
3.47	3.49	3.51	3018754	872.474307			2
3.51	3.53	3.55	2019801	356.085355			3
3.64	3.65	3.68	2589049	372.723696			4
+ 3.73	3.73	3.77	650511.6	135.074601			5
3.73	3.74	3.77	2160073	448.525436			5
3.86	3.88	3.90	3013682	355.845084			6
Height Summation:			**15551775**				
Amount Avg CF:			**560.31389**	Linear:			
Aroclor-1254					**6**	**96.40**	
+ 4.22	4.22	4.26	625997.2	48.549453			1
+ 4.22	4.24	4.26	574159.2	44.529137			1
4.22	4.25	4.26	1571875	121.90737			1
4.31	4.33	4.35	5559589	889.43418			2
4.38	4.39	4.42	533440.8	69.93385			3
E 4.44	4.46	4.48	6782574	1392.497811			4
4.59	4.62	4.63	672098.4	121.245559			5
4.67	4.69	4.71	6648172	790.147081			6
Height Summation:			**21767749.2**				
Amount Avg CF:			**564.194308**	Linear:			
Aroclor-1260					**6**	**5.44**	
4.31	4.33	4.35	5559589	508.503138			1
4.44	4.46	4.48	6782574	578.326434			2
4.55	4.56	4.59	5320796	546.441113			3
4.89	4.91	4.93	3945616	521.862682			4
5.09	5.10	5.13	9831475	574.199416			5
5.34	5.36	5.38	6585870	520.870947			6
Height Summation:			**38025920**				
Amount Avg CF:			**541.700622**	Linear:			
Aroclor-1262					**6**	**28.91**	
E 4.70	4.72	4.74	2957965	252.438438			1
E 4.89	4.91	4.93	3945616	356.056757			2
E 5.08	5.10	5.12	9831475	425.355734			3
5.30	5.32	5.34	1824085	198.892293			4
E 5.34	5.36	5.38	6585870	419.431875			5
E 5.72	5.74	5.76	2943227	278.123659			6
Height Summation:			**28088238**				
Amount Avg CF:			**321.716459**	Linear:			
Aroclor-1268					**6**	**113.72**	
5.30	5.32	5.34	1824085	66.78063			1
E 5.35	5.36	5.39	6585870	237.505018			2
5.50	5.52	5.54	229045.2	9.062774			3
5.57	5.58	5.61	214125.8	31.043357			4
E 5.72	5.74	5.76	2943227	265.137641			5
5.92	5.94	5.96	861393.4	8.538603			6
Height Summation:			**12657746.4**				
Amount Avg CF:			**103.011337**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/6/17 RI ACF LCS31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274A
Result file : 25PCBS17284001.047.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274B
Result file : 25PCBS17284001B.047.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		1.44	4	40	
Aroclor-1221			51	15.3	E	0.21	3	5	
Aroclor-1232			51	12.3	E	5.23	4	10	
Aroclor-1242			51	12.3	E	3.45	4	30	
Aroclor-1248			51	9.9		1.53	4	40	
Aroclor-1254			51	13.2	E	18.61	4	40	
Aroclor-1260			51	11.7		5.66	4	40	
Aroclor-1262			51	9.9	E	2.07	4	40	
Aroclor-1268			51	9.9	E	15.71	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:58:49 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.047.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		5715	5944
2.085		2716	4441
2.137		175917	127300
2.188		894	309
2.203		3213	1761
2.233		7886	6444
2.329		5688	5101
2.372		1159	1220
2.395		80753	53013
2.441		6224	4109
2.49		3189	1905
2.507		11906	6998
2.568		16015	11236
2.594		2292	1324
2.653		1123	1145
2.705		2482	1628
2.738		10046	10091
2.793		2067	2127
2.842		4072	3009
2.874		1880	1071
2.895		1931	1317
2.93	TCX	4575292	3175522
3.077		214119	190271
3.132		249494	205896
3.18		1137977	814180
3.231		977	509
3.257		3358	1628
3.273		129348	92264
3.315		3771	3521
3.395		1066069	646040
3.412		479388	262859
3.448		124145	71477
3.464		16824	6467
3.475		62234	31514
3.509		1323774	1046986
3.546		5442	2777
3.561		7023	3215
3.585		86241	64167
3.619		267727	155315
3.633		125069	64924
3.677		553576	347806
3.688		1554470	783586
3.724		1661064	1276227
3.781		1445158	1110488
3.823		101741	74911
3.851		902883	664225
3.878		580283	522099
3.899		104640	54901
3.973		1038315	742081
3.997		328433	218417
4.028		391717	269703
4.062		1091735	1073093
4.101		321563	268145
4.148		53655	47004

RT A	Compound A	Height A	Area A
4.187		68668	47084
4.222		1189353	1255556
4.263		278722	208721
4.334		163803	142875
4.376		1092802	1080479
4.409		55029	39201
4.471		21458	17982
4.511		261065	255127
4.563		155393	106345
4.58		222529	151341
4.624		710296	654373
4.673		957614	1044675
4.71		223750	158943
4.75		2249683	2157137
4.793		51084	43158
4.834		423937	436463
4.869		47885	33837
4.895		398556	374524
4.948		2852046	3524241
4.999		488085	448806
5.037		1351024	1442014
5.08		22884	12250
5.117		251284	309771
5.151		3641543	3638206
5.192		52080	23722
5.219		1528110	1404506
5.262		965591	947143
5.355		445714	355201
5.381		1674755	1461265
5.437		836440	788754
5.475		507016	510521
5.517		108870	113758
5.559		570157	685673
5.616		4575570	4834115
5.708		4771	6338
5.764		1488	1443
5.82		2732005	2593249
5.851		145543	96083
5.876		571715	636191
5.919		1752	1295
5.963		1776	2052
6.012		98834	103856
6.09		502591	695667
6.153		1215	828
6.2		1334	2022
6.246		1121822	1105756
6.29		76133	73374
6.343		624	531
6.362		612	223
6.4		426	693
6.448		305930	313179
6.518		2201	3259
6.597	DCB	2715025	2783332
6.665		529	449
6.708		556	468
6.77		1388	3046
6.802		724	478
6.879		11044	39656
6.974		750	362
6.995		731	213

LANCASTER LABORATORIES

Sample Number: LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:58:49 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.047.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.053		3011	2173
2.098		2868	1307
2.115		156400	105330
2.185		2346	1465
2.2		28201	17949
2.232		3312	1979
2.264		6316	3726
2.3		30634	22415
2.354		2422	2315
2.395		6843	5607
2.434		18698	11632
2.464		4030	7134
2.552		1623	4072
2.571		6901	3843
2.591		5436	2805
2.615	TCX	8119415	4834000
2.658		177085	138903
2.735		10322	6180
2.786		443770	297982
2.832		64675	29248
2.846		362240	203319
2.898		2014894	1228922
2.948		21466	14833
3.009		264953	173862
3.069		932	326
3.084		1759	789
3.105		1697436	820179
3.116		584073	218670
3.156		295565	189436
3.178		163898	92637
3.203		207352	117544
3.227		2478875	1638571
3.264		142435	84473
3.289		611	151
3.31		623820	333028
3.325		363395	170896
3.351		5286	2477
3.376		1367472	673330
3.385		3028222	1286234
3.405		127064	43508
3.418		2750416	1822064
3.493		3018754	1840811
3.528		2019801	1239038
3.551		2366497	1278125
3.569		690025	340963
3.624		1754	618
3.654		2589049	1652156
3.677		959855	506941
3.698		883451	528370
3.727		650512	337612
3.744		2160073	1247057
3.785		756423	546249
3.831		196786	174231
3.854		563074	336691

RT B	Compound B	Height B	Area B
3.876		3013682	1885604
3.901		557362	341385
3.92		105021	50493
3.939		360253	220630
3.974		2457293	1677575
4.008		154363	91561
4.023		222528	130346
4.084		32833	28776
4.109		365792	411707
4.149		29004	17645
4.175		674483	492811
4.217		625997	377130
4.235		574159	294295
4.248		1571875	845210
4.274		977743	952785
4.326		5559589	4158808
4.366		107405	105818
4.395		533441	363404
4.419		1140746	811642
4.461		6782574	4879190
4.564		5320796	4912786
4.616		672098	571832
4.654		1432742	1195778
4.69		6648172	5354369
4.722		2957965	2046044
4.76		2119212	1604965
4.819		3004	1612
4.831		5802	2951
4.86		636209	434644
4.877		91679	48470
4.91		3945616	2994027
4.934		577246	372714
4.984		1881718	1666880
5.019		984132	768900
5.049		754881	616879
5.081		355581	214285
5.104		9831475	7715164
5.145		191589	140723
5.176		363209	306032
5.219		3783	2705
5.256		3731	2690
5.294		94894	62618
5.317		1824085	1469297
5.362		6585870	6898035
5.428		2022	1562
5.461		3541	2366
5.481		4658	2948
5.517		229045	190166
5.562		184917	132071
5.585		214126	158019
5.633		1233545	1015946
5.675		1773	1582
5.74		2943227	2436864
5.772		185055	137154
5.851		828	3044
5.864		1619	1164
5.91		930	972
5.938		861393	719982
5.968		1674	863
6.021		3143	2860
6.057		3001	2889
6.097	DCB	8529491	7099501
6.154		2399	1573
6.241		4130	9661
6.273		4340	4574
6.313		1788	1105

RT B	Compound B	Height B	Area B
6.327		1247	342
6.359		1394	1248
6.419		826	505
6.441		1865	1888
6.485		2039	2010
6.556		1430	2108
6.573		1222	603
6.623		1400	1461
6.657		996	474
6.672		910	578
6.724		3439	6512
6.775		1278	2656
6.798		1484	790
6.839		2250	2060
6.886		824	2267
6.91		1464	839
6.937		2475	1439

LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082

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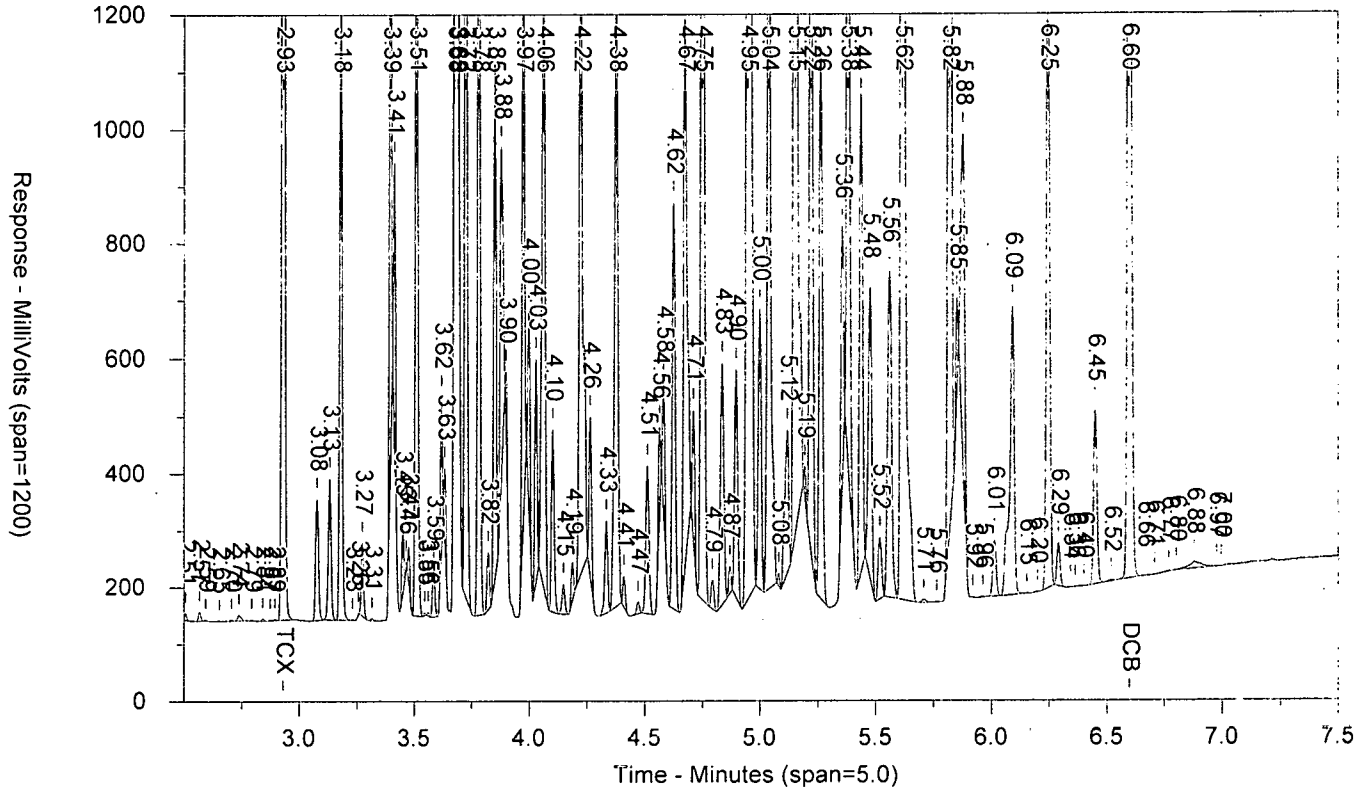

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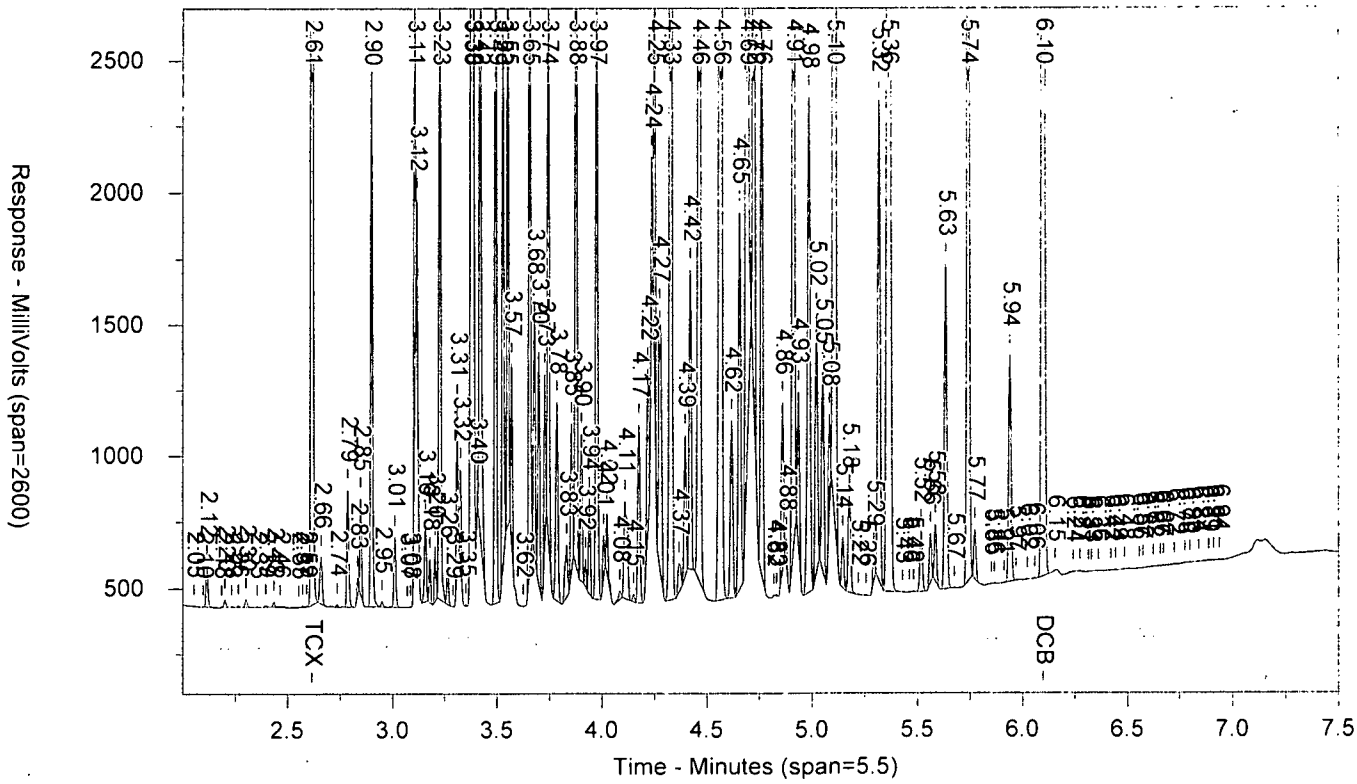

LANCASTER LABORATORIES

Sample Number: LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:58:49 AM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	4575292	30.326	TCX	2.615	8119415	29.803	TCX
6.597	2715025	28.167	DCB	6.097	8529491	28.175	DCB

Files:
Area File: 25PCBS17284001.047.RAW
Area File: 25PCBS17284001B.047.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:25 PM
File Reported On: 10/12/2017 at 4:30:30 PM

LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082

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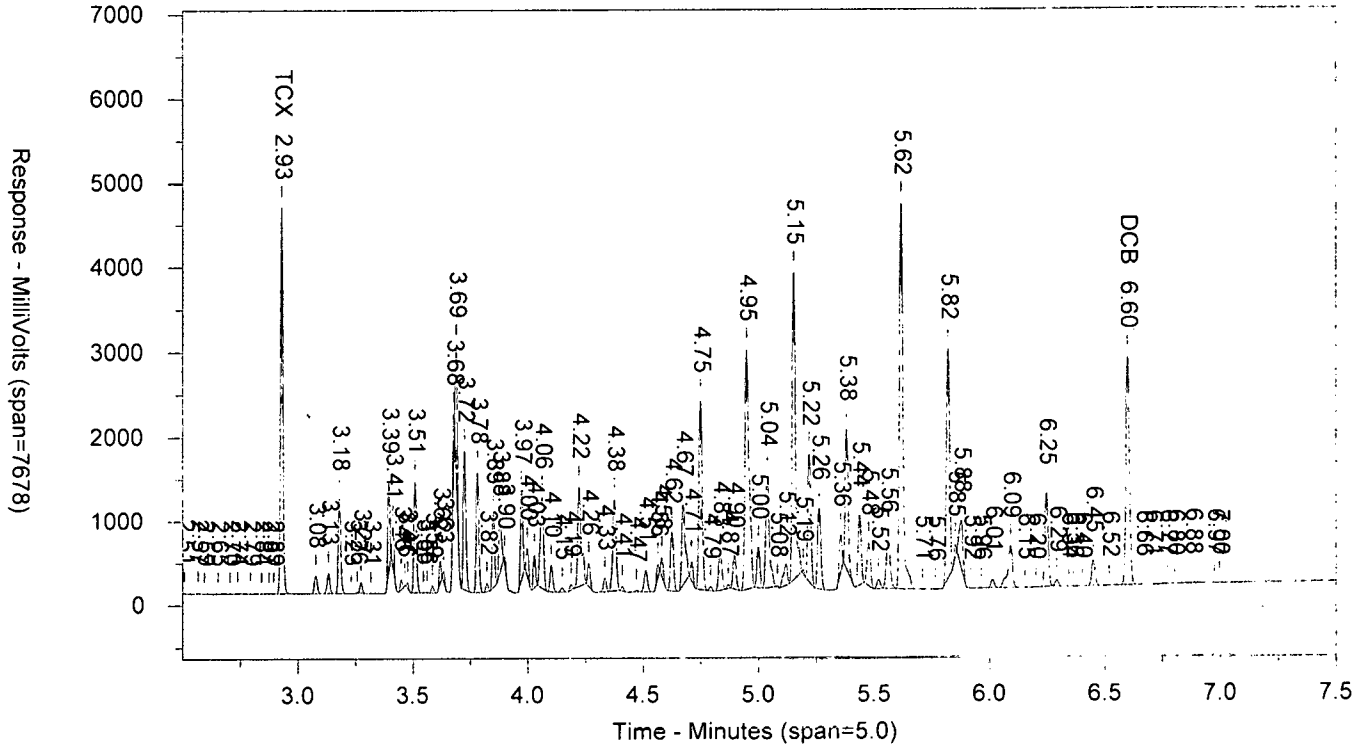

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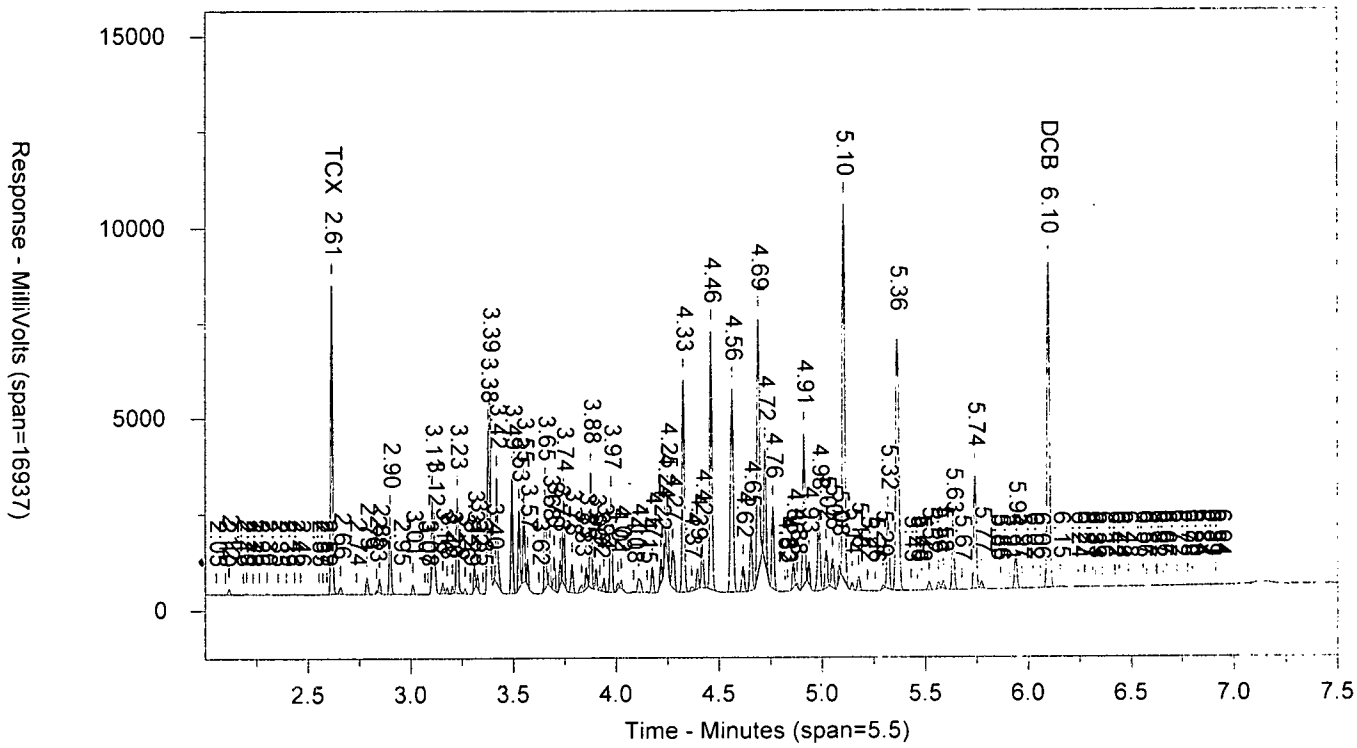

LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082

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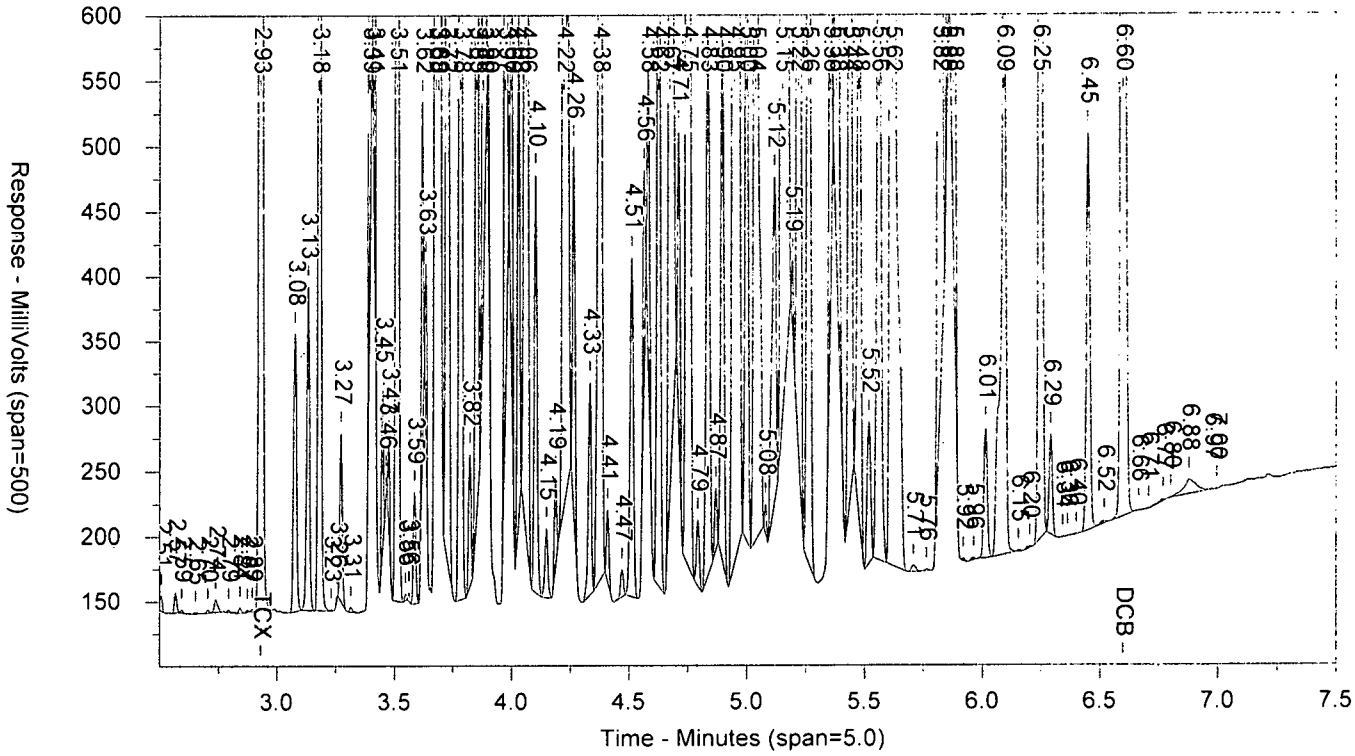

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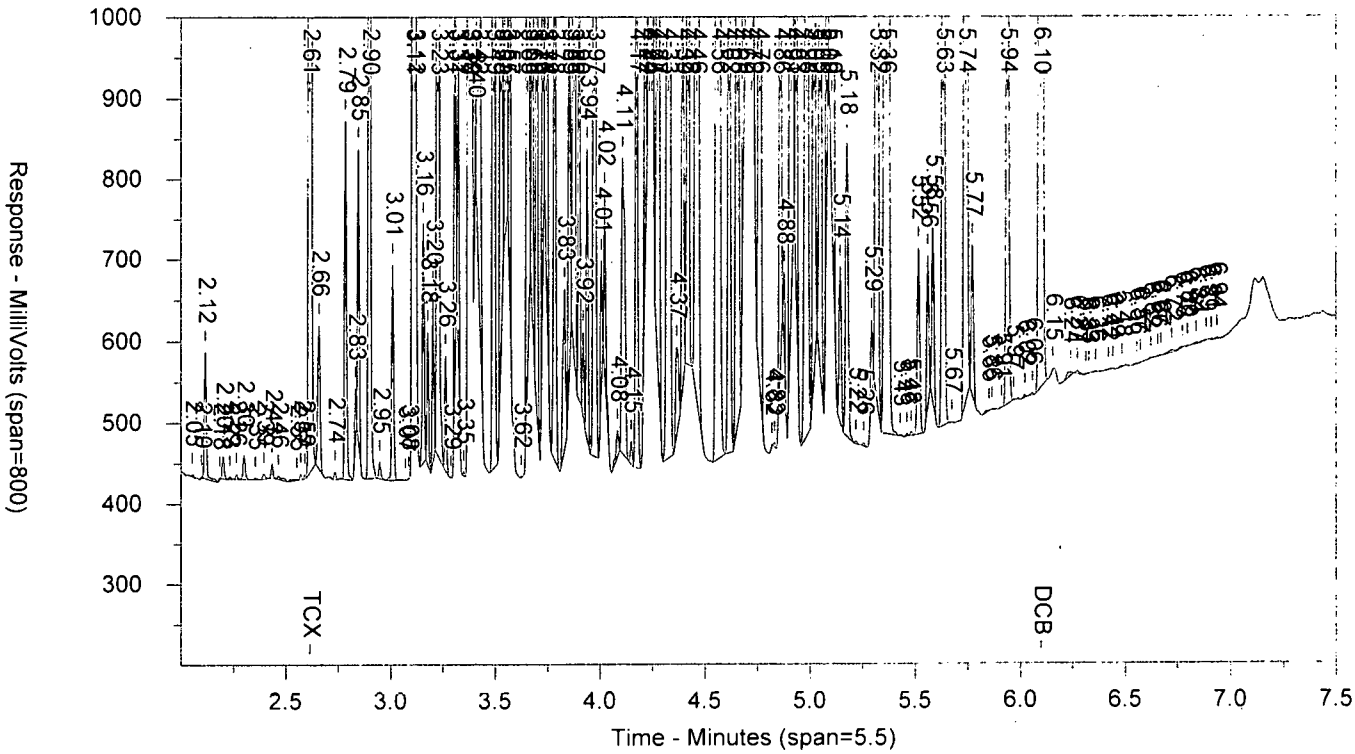

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 24470 Elizabeth Donovan Reviewed by: [illegible] Start Date: October 3, 2017 Start time: 17:00

172760009A

Tech 1: E02447 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
9229379MS	95A11	10.25	SS1726124A	1.0	MS1726824A	1.0	10	Z	Z	314A	Soil; Brown
9229380MSD	95A11	10.48	SS1726124A	1.0	MS1726824A	1.0	10	Z	Z	314A	Soil; Brown
BLANKA	PBLK09276	10.0	SS1726124A	1.0	—	—	10	Z	Z	/	Na2SO4
LCSA	LCS09276	10.0	SS1726124A	1.0	MS1726824A	1.0	10	Z	Z	/	Na2SO4

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185091017A
Filter Paper	98238853
Hexane	173906
Sodium Sulfate	17270A

Spike Solutions: Witness:
MS1726824A PCB SPIKE
SS1726124A SW846 SURROGATE STANDARI

Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1 9229260	93A16	10.20	SS1726124A	1.0	10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
2 9229261	93A17	10.16	SS1726124A	1.0	10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
3 9229262	93A18	10.29	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Sandy;Black;Brown	10225	1869	10/06/2017	N
4 9229283	A9401	10.17	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Sandy;Brown;Fuel Odor	10225	1869	10/06/2017	N
5 9229285	A9403	10.04	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Black	10225	1869	10/06/2017	N
6 9229368	95A01	10.12	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Sandy;Black	10225	1869	10/06/2017	N
7 9229369	95A02	10.14	SS1726124A	1.0	10	Z	Z	314a	Soil;Gritty;Sandy;Black	10225	1869	10/06/2017	N
8 9229370	95A03	10.30	SS1726124A	1.0	10	Z	Z	314A	Soil;Orange	10225	1869	10/06/2017	N
9 9229371	95A04	10.09	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Black	10225	1869	10/06/2017	N
10 9229372	95A05	10.20	SS1726124A	1.0	10	Z	Z	314A	Soil;Orange	10225	1869	10/06/2017	N
11 9229373	95A06	10.26	SS1726124A	1.0	10	Z	Z	314a	Soil;Gritty;Brown	10225	1869	10/06/2017	N
12 9229374	95A07	10.01	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Sandy;Black	10225	1869	10/06/2017	N
13 9229375	95A08	10.44	SS1726124A	1.0	10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
14 9229376	95A09	10.40	SS1726124A	1.0	10	Z	Z	314a	Soil;Gritty;Sandy;Black;Brown	10225	1869	10/06/2017	N
15 9229377	95A10	10.21	SS1726124A	1.0	10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
16 9229378BKG	95A11	10.23	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Rocks;Black;Brown	10225	1869	10/06/2017	N
17 9229381	95A12	10.10	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	10/06/2017	N
18 9229382	95A13	10.33	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/06/2017	N
19 9229383	95A14	10.19	SS1726124A	1.0	10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Mod: 320	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID 6	08 C	S-bath ID	C	N-Evap	C	M-vap	C

172760009A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
20 9229384	95A15	10.09	SS1726124A	10	10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N

NA E824470 10/3/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood 320	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID 6	95 C	S-bath ID	C	N-Evap	C	M-vap	C

172760009A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172760009A

Verified: JW
Start Date: Oct. 3 2017
Start Time: 20:50
Tech 1: E024470
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229379MS		10	10			
9229380MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229260		10	10				10225
2	9229261		↓	↓				10225
3	9229262		↓	↓				10225
4	9229283		↓	↓				10225
5	9229285		↓	↓				10225
6	9229368		↓	↓				10225
7	9229369		↓	↓				10225
8	9229370		↓	↓				10225
9	9229371		↓	↓				10225
10	9229372		↓	↓				10225
11	9229373		↓	↓				10225
12	9229374		↓	↓				10225
13	9229375		↓	↓				10225
14	9229376		↓	↓				10225
15	9229377		↓	↓				10225
16	9229378		↓	↓				10225
17	9229381		↓	↓				10225
18	9229382		↓	↓				10225
19	9229383		↓	↓				10225
20	9229384		↓	↓				10225

NA E024470
10/3/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	174051

Prep-Process Worksheet

Copper/Florisil

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172760009A

Verified: JVM 2855
Start Date: 10/3/17
Start Time: 20:15 ~~20~~ ③ ED24470 10/3/17
Tech 1: ED24470
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229379MS		2	2			
9229380MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229260		2	2				10225
2	9229261							10225
3	9229262							10225
4	9229283							10225
5	9229285							10225
6	9229368							10225
7	9229369							10225
8	9229370							10225
9	9229371							10225
10	9229372							10225
11	9229373							10225
12	9229374							10225
13	9229375							10225
14	9229376							10225
15	9229377							10225
16	9229378							10225
17	9229381							10225
18	9229382							10225
19	9229383							10225
20	9229384							10225

NA ED24470
10/3/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	414011-CE
		Copper	171180-BD

Organic Extraction Batchlog Assigned to: 8993 Michelle Newswanger

172780031A

Reviewed by: JLM2855 Start Date: 10-6-17 Start time: 7:30

Tech 1: MN8993 Tech 2:

Dept: 24	Prep Analysis: 14248 PCB 10g Sonication Ext							PCBs in Solids by 8082/3550			
QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
9229385MSD	95A16MSD	10.5	SS1726124A	1	MS1726824A	1	10	Z	Z	34A	
9229385MS	95A16MS	10.1	SS1726124A	1	MS1726824A	1	10	Z	Z	34A	
BLANKA	PBLK31278	10.0	SS1726124A	1	—	—	10	Z	Z		NA2SO4
LCSA	LCS31278	10.0	SS1726124A	1	MS1726824A	1	10	Z	Z		↓

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185091017A
Filter Paper	9823853
Hexane	173906
Sodium Sulfate	17277A

Spike Solutions: Witness: N/A

MS1726824A PCB SPIKE

SS1726124A SW846 SURROGATE STANDARI

	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1	9229385	95A16	10.23	SS1726124A	1	10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/06/2017	N
2	9229386	95A17	10.32	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
3	9229387	95A18	10.12	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
4	9229388	96A01	10.09	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
5	9229389	96A02	10.12	SS1726124A		10	Z	Z	314A	Soil;Sandy;Black	10225	1869	10/06/2017	N
6	9229390	96A03	10.36	SS1726124A		10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	10/06/2017	N
7	9229391	96A04	10.19	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Black	10225	1869	10/06/2017	N
8	9229392	96A05	10.10	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
9	9229393	96A06	10.11	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Black	10225	1869	10/06/2017	N
10	9229394	96A07	10.09	SS1726124A		10	Z	Z	314A	Soil;Sandy;Rocks;Black	10225	1869	10/06/2017	N
11	9229395	96A08	10.41	SS1726124A		10	Z	Z	314A	Soil;Sandy;Rocks;Brown	10225	1869	10/06/2017	N
12	9229396	96A09	10.17	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	10/06/2017	N
13	9229397	96A10	10.33	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
14	9229398	96A11	10.25	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/06/2017	N
15	9229399	96A12	10.29	SS1726124A	↓	10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Brown	10225	1869	10/06/2017	N

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood 3	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	98 C	S-bath ID	C	N-Evap	C	M-vap	C

#6

172780031A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172780031A

Verified: [illegible]
Start Date: 10-6-17
Start Time: 12:15
Tech 1: MN8993
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229385MSD		10	10			
9229385MS						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229385		10	10				10225
2	9229386							10225
3	9229387							10225
4	9229388							10225
5	9229389							10225
6	9229390							10225
7	9229391							10225
8	9229392							10225
9	9229393							10225
10	9229394							10225
11	9229395							10225
12	9229396							10225
13	9229397							10225
14	9229398							10225
15	9229399							10225

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H2SO4	174051

Prep-Process Worksheet

Copper/Florisil

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172780031A

Verified: JVM 7857
Start Date: 10-6-17
Start Time: 13:00
Tech 1: MN8993
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229385MSD		2	2			
9229385MS						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229385		2	2				10225
2	9229386							10225
3	9229387							10225
4	9229388							10225
5	9229389							10225
6	9229390							10225
7	9229391							10225
8	9229392							10225
9	9229393							10225
10	9229394							10225
11	9229395							10225
12	9229396							10225
13	9229397							10225
14	9229398							10225
15	9229399							10225

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	414011CG
		Copper	171180BD

Moisture Data

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CLIENT: Stantec
SDG: ATG95

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9229368	95A01
9229369	95A02
9229370	95A03
9229371	95A04
9229372	95A05
9229373	95A06
9229374	95A07
9229375	95A08
9229376	95A09
9229377	95A10
9229378	95A11BKG
9229379	95A11MS
9229380	95A11MSD
9229381	95A12FD
9229382	95A13
9229383	95A14
9229384	95A15
9229385	95A16
9229386	95A17
9229387	95A18

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: 17275820007B	Sample number(s): 9229368-9229387				
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: 17275820007B	Sample number(s): 9229368-9229387			
Moisture	8.3	8.4	2	5
Moisture	8.3	8.4	2	5
Moisture Duplicate	8.3	8.4	2	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: ATG95

MOISTURE

Moisture Data Report

Batch #: 17275820007

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9229368	B	00111	1.1625	7.5360	8.1662	7.06	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229369	B	00111	1.1635	7.9087	8.0549	12.86	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229370	B	00111	1.1613	6.4190	7.1379	6.89	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229371	B	00111	1.1564	8.2141	8.5303	10.23	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229372	B	00111	1.1432	9.3243	9.6588	8.67	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229373	B	00111	1.1565	9.0677	9.5281	7.68	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229374	B	00111	1.1608	7.4403	7.9830	8.31	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229375	B	00111	1.1493	6.7303	7.2222	9.77	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229376	B	00111	1.1653	9.7204	10.2210	6.84	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229377	B	00111	1.1634	7.7208	8.3117	7.42	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229378BKG	B	00111	1.1682	6.1881	6.8429	8.30	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229379MS	B	00118				8.30	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229380MSD	B	00118				8.30	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229380MSD	B	00121	1.1493	6.3140	6.9303	8.44	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229381FD	B	00111	1.1770	6.5228	7.3615	5.19	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229382	B	00111	1.1566	5.8312	5.8797	19.00	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229383	B	00111	1.1795	7.1776	7.6452	9.92	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229384	B	00111	1.1595	9.0457	9.6437	6.21	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229385	B	00111	1.1578	9.1049	9.0037	13.83	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229386	B	00111	1.1777	7.1283	7.6845	8.72	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229387	B	00111	1.1647	8.9239	9.4845	6.77	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
LCS 89.5% Std.		00111	1.1445	5.0167	1.6778	89.37	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)