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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 09/07/17

SDG# ATG54

GROUP	SAMPLE NUMBERS
1847636	9197303-9197318

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: 10/05/2017**

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 ATG54
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9197303	T1-OE	09/07/2017 10:50	09/07/2017 17:00
9197304	T1-OEMS	09/07/2017 10:50	09/07/2017 17:00
9197305	T1-OEMSD	09/07/2017 10:50	09/07/2017 17:00
9197306	DUP-3	09/07/2017 10:50	09/07/2017 17:00
9197307	T1-1W	09/07/2017 10:51	09/07/2017 17:00
9197308	T1-1E	09/07/2017 10:52	09/07/2017 17:00
9197309	T1-5E	09/07/2017 11:04	09/07/2017 17:00
9197310	T1-6W	09/07/2017 11:09	09/07/2017 17:00
9197311	T1-6E	09/07/2017 11:10	09/07/2017 17:00
9197312	T1-7W	09/07/2017 11:11	09/07/2017 17:00
9197313	T1-7E	09/07/2017 11:12	09/07/2017 17:00
9197314	T1-8W	09/07/2017 11:13	09/07/2017 17:00
9197315	T1-8E	09/07/2017 11:14	09/07/2017 17:00
9197316	T1-9W	09/07/2017 11:15	09/07/2017 17:00
9197317	T1-9E	09/07/2017 11:16	09/07/2017 17:00
9197318	T1-10W	09/07/2017 11:17	09/07/2017 17:00

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14248 PCB 10g Sonication Ext

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

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

10225 PCBs in Solids by 8082/3550

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

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

00111 Moisture
00118 Moisture
00121 Moisture Duplicate

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

Reference: %Moisture- for use as Dry Wt Calculation

Analysis Reports / Field Chain of Custody

ANALYSIS REPORT

Prepared by:	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: September 28, 2017

Project: Amtrak Wilmington

Account #: 11289
Group Number: 1847636
SDG: ATG54
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#
T1-OE Grab Soil	09/07/2017 10:50	9197303
T1-OEMS Grab Soil	09/07/2017 10:50	9197304
T1-OEMSD Grab Soil	09/07/2017 10:50	9197305
DUP-3 Grab Soil	09/07/2017 10:50	9197306
T1-1W Grab Soil	09/07/2017 10:51	9197307
T1-1E Grab Soil	09/07/2017 10:52	9197308
T1-5E Grab Soil	09/07/2017 11:04	9197309
T1-6W Grab Soil	09/07/2017 11:09	9197310
T1-6E Grab Soil	09/07/2017 11:10	9197311
T1-7W Grab Soil	09/07/2017 11:11	9197312
T1-7E Grab Soil	09/07/2017 11:12	9197313
T1-8W Grab Soil	09/07/2017 11:13	9197314
T1-8E Grab Soil	09/07/2017 11:14	9197315
T1-9W Grab Soil	09/07/2017 11:15	9197316
T1-9E Grab Soil	09/07/2017 11:16	9197317
T1-10W Grab Soil	09/07/2017 11:17	9197318

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

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Analysis Report

Sample Description: T1-OE Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197303
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 10:50 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-OE SDG#: ATG54-01BKG

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.32	D1	0.32	5
10225	PCB-1221	11104-28-2	< 0.32	D1	0.32	5
10225	PCB-1232	11141-16-5	< 0.32	D1	0.32	5
10225	PCB-1242	53469-21-9	< 0.32	D1	0.32	5
10225	PCB-1248	12672-29-6	< 0.32	D1	0.32	5
10225	PCB-1254	11097-69-1	< 0.32	D1	0.32	5
10225	PCB-1260	11096-82-5	1.1	D1	0.32	5
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	20.7		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	172510041A	09/15/2017 17:06	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510041A	09/10/2017 20:35	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	2	17256820010A	09/13/2017 22:10	Scott W Freisher	1

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Analysis Report

Sample Description: T1-OEMS Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197304
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 10:50 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-OE SDG#: ATG54-01MS

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	0.69	D1	0.32	5
10225	PCB-1221	11104-28-2	< 0.32	D1	0.32	5
10225	PCB-1232	11141-16-5	< 0.32	D1	0.32	5
10225	PCB-1242	53469-21-9	< 0.32	D1	0.32	5
10225	PCB-1248	12672-29-6	< 0.32	D1	0.32	5
10225	PCB-1254	11097-69-1	< 0.32	D1	0.32	5
10225	PCB-1260	11096-82-5	1.3	D1	0.32	5
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00118	Moisture	n.a.	20.7		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	172510041A	09/15/2017 17:17	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510041A	09/10/2017 20:35	Karen L Beyer	1
00118	Moisture	%Moisture- Dry Wt Calculation	2	17256820010A	09/13/2017 22:10	Scott W Freisher	1

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Analysis Report

Sample Description: T1-OEMSD Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197305
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 10:50 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-OE SDG#: ATG54-01MSD

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	0.44	D1	0.31	5
10225	PCB-1221	11104-28-2	< 0.31	D1	0.31	5
10225	PCB-1232	11141-16-5	< 0.31	D1	0.31	5
10225	PCB-1242	53469-21-9	< 0.31	D1	0.31	5
10225	PCB-1248	12672-29-6	< 0.31	D1	0.31	5
10225	PCB-1254	11097-69-1	< 0.31	D1	0.31	5
10225	PCB-1260	11096-82-5	4.2	D1	0.31	5
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00118	Moisture	n.a.	20.7		0.50	1
00121	Moisture Duplicate	n.a.	18.3		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	172510041A	09/15/2017 17:29	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510041A	09/10/2017 20:35	Karen L Beyer	1
00118	Moisture	%Moisture- Dry Wt Calculation	2	17256820010A	09/13/2017 22:10	Scott W Freisher	1
00121	Moisture Duplicate	%Moisture- Dry Wt Calculation	2	17256820010A	09/13/2017 22:10	Scott W Freisher	1

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Analysis Report

Sample Description: DUP-3 Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197306
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 10:50 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-D3 SDG#: ATG54-02FD

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.63	D1	0.63	10
10225	PCB-1221	11104-28-2	< 0.63	D1	0.63	10
10225	PCB-1232	11141-16-5	< 0.63	D1	0.63	10
10225	PCB-1242	53469-21-9	< 0.63	D1	0.63	10
10225	PCB-1248	12672-29-6	< 0.63	D1	0.63	10
10225	PCB-1254	11097-69-1	< 0.63	D1	0.63	10
10225	PCB-1260	11096-82-5	3.0	D1	0.63	10
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	20.7		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	172510041A	09/15/2017 17:40	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510041A	09/10/2017 20:35	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820002C	09/08/2017 21:23	Scott W Freisher	1

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Analysis Report

Sample Description: T1-1W Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197307
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 10:51 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-1W SDG#: ATG54-03

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	< 3.6	D1	3.6	50
10225	PCB-1221	11104-28-2	< 3.6	D1	3.6	50
10225	PCB-1232	11141-16-5	< 3.6	D1	3.6	50
10225	PCB-1242	53469-21-9	< 3.6	D1	3.6	50
10225	PCB-1248	12672-29-6	< 3.6	D1	3.6	50
10225	PCB-1254	11097-69-1	< 3.6	D1	3.6	50
10225	PCB-1260	11096-82-5	6.2	D1	3.6	50
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	29.2		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	172510039A	09/18/2017 01:11	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510039A	09/10/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-1E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197308
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 10:52 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-1E SDG#: ATG54-04

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	< 0.32	D1	0.32	5
10225	PCB-1221	11104-28-2	< 0.32	D1	0.32	5
10225	PCB-1232	11141-16-5	< 0.32	D1	0.32	5
10225	PCB-1242	53469-21-9	< 0.32	D1	0.32	5
10225	PCB-1248	12672-29-6	< 0.32	D1	0.32	5
10225	PCB-1254	11097-69-1	< 0.32	D1	0.32	5
10225	PCB-1260	11096-82-5	1.1	D1	0.32	5
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	20.1		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	172510039A	09/18/2017 01:23	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510039A	09/10/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-5E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197309
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:04 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-5E SDG#: ATG54-05

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	< 0.31	D1	0.31	5
10225	PCB-1221	11104-28-2	< 0.31	D1	0.31	5
10225	PCB-1232	11141-16-5	< 0.31	D1	0.31	5
10225	PCB-1242	53469-21-9	< 0.31	D1	0.31	5
10225	PCB-1248	12672-29-6	< 0.31	D1	0.31	5
10225	PCB-1254	11097-69-1	< 0.31	D1	0.31	5
10225	PCB-1260	11096-82-5	0.78	D1	0.31	5
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	19.1		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	172510039A	09/18/2017 01:57	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510039A	09/10/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

Sample Description: T1-6W Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197310
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:09 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-6W SDG#: ATG54-06

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	< 6.7	D1	6.7	100
10225	PCB-1221	11104-28-2	< 6.7	D1	6.7	100
10225	PCB-1232	11141-16-5	< 6.7	D1	6.7	100
10225	PCB-1242	53469-21-9	< 6.7	D1	6.7	100
10225	PCB-1248	12672-29-6	< 6.7	D1	6.7	100
10225	PCB-1254	11097-69-1	< 6.7	D1	6.7	100
10225	PCB-1260	11096-82-5	16	D1	6.7	100
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	23.9		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	172510039A	09/18/2017 02:09	Jessica L Miller	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510039A	09/10/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-6E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197311
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:10 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-6E SDG#: ATG54-07

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	< 0.60	D1	0.60	10
10225	PCB-1221	11104-28-2	< 0.60	D1	0.60	10
10225	PCB-1232	11141-16-5	< 0.60	D1	0.60	10
10225	PCB-1242	53469-21-9	< 0.60	D1	0.60	10
10225	PCB-1248	12672-29-6	< 0.60	D1	0.60	10
10225	PCB-1254	11097-69-1	< 0.60	D1	0.60	10
10225	PCB-1260	11096-82-5	2.7	D1	0.60	10
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	14.9		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172510040A	09/15/2017 20:09	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510040A	09/10/2017 20:30	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-7W Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197312
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:11 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-7W SDG#: ATG54-08

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	< 6.8	D1	6.8	100
10225	PCB-1221	11104-28-2	< 6.8	D1	6.8	100
10225	PCB-1232	11141-16-5	< 6.8	D1	6.8	100
10225	PCB-1242	53469-21-9	< 6.8	D1	6.8	100
10225	PCB-1248	12672-29-6	< 6.8	D1	6.8	100
10225	PCB-1254	11097-69-1	< 6.8	D1	6.8	100
10225	PCB-1260	11096-82-5	34	D1	6.8	100
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	26.1		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	172510040A	09/15/2017 20:21	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510040A	09/10/2017 20:30	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-7E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197313
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:12 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-7E SDG#: ATG54-09

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	< 0.056	D1	0.056	1
10225	PCB-1221	11104-28-2	< 0.056	D1	0.056	1
10225	PCB-1232	11141-16-5	< 0.056	D1	0.056	1
10225	PCB-1242	53469-21-9	< 0.056	D1	0.056	1
10225	PCB-1248	12672-29-6	< 0.056	D1	0.056	1
10225	PCB-1254	11097-69-1	< 0.056	D1	0.056	1
10225	PCB-1260	11096-82-5	0.088	D1	0.056	1
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	10.4		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172510040A	09/15/2017 20:32	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510040A	09/10/2017 20:30	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-8W Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197314
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:13 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-8W SDG#: ATG54-10

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	< 6.8	D1	6.8	100
10225	PCB-1221	11104-28-2	< 6.8	D1	6.8	100
10225	PCB-1232	11141-16-5	< 6.8	D1	6.8	100
10225	PCB-1242	53469-21-9	< 6.8	D1	6.8	100
10225	PCB-1248	12672-29-6	< 6.8	D1	6.8	100
10225	PCB-1254	11097-69-1	< 6.8	D1	6.8	100
10225	PCB-1260	11096-82-5	19	D1	6.8	100
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	26.4		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	172510040A	09/15/2017 20:44	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510040A	09/10/2017 20:30	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-8E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197315
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:14 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-8E SDG#: ATG54-11

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.058	D1	0.058	1
10225	PCB-1221	11104-28-2	< 0.058	D1	0.058	1
10225	PCB-1232	11141-16-5	< 0.058	D1	0.058	1
10225	PCB-1242	53469-21-9	< 0.058	D1	0.058	1
10225	PCB-1248	12672-29-6	< 0.058	D1	0.058	1
10225	PCB-1254	11097-69-1	< 0.058	D1	0.058	1
10225	PCB-1260	11096-82-5	< 0.058	D1	0.058	1
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	14.8		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	172510040A	09/15/2017 20:55	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510040A	09/10/2017 20:30	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-9W Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197316
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:15 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-9W SDG#: ATG54-12

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	< 3.2	D1	3.2	50
10225	PCB-1221	11104-28-2	< 3.2	D1	3.2	50
10225	PCB-1232	11141-16-5	< 3.2	D1	3.2	50
10225	PCB-1242	53469-21-9	< 3.2	D1	3.2	50
10225	PCB-1248	12672-29-6	< 3.2	D1	3.2	50
10225	PCB-1254	11097-69-1	< 3.2	D2	3.2	50
10225	PCB-1260	11096-82-5	11	D2	3.2	50
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	24.1		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	172510040A	09/18/2017 19:50	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510040A	09/10/2017 20:30	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003A	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-9E Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197317
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:16 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T1-9E SDG#: ATG54-13

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	< 3.2	D1	3.2	50
10225	PCB-1221	11104-28-2	< 3.2	D1	3.2	50
10225	PCB-1232	11141-16-5	< 3.2	D1	3.2	50
10225	PCB-1242	53469-21-9	< 3.2	D1	3.2	50
10225	PCB-1248	12672-29-6	< 3.2	D1	3.2	50
10225	PCB-1254	11097-69-1	< 3.2	D1	3.2	50
10225	PCB-1260	11096-82-5	11	D1	3.2	50
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	21.4		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	172510040A	09/15/2017 21:18	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510040A	09/10/2017 20:30	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003B	09/08/2017 23:11	Scott W Freisher	1

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Analysis Report

Sample Description: T1-10W Grab Soil
Amtrak Wilmington

ELLE Sample # SW 9197318
ELLE Group # 1847636
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2017 11:17 by JZ

Submitted: 09/07/2017 17:00
Reported: 09/28/2017 13:02

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

T110W SDG#: ATG54-14

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	< 6.2	D1	6.2	100
10225	PCB-1221	11104-28-2	< 6.2	D1	6.2	100
10225	PCB-1232	11141-16-5	< 6.2	D1	6.2	100
10225	PCB-1242	53469-21-9	< 6.2	D1	6.2	100
10225	PCB-1248	12672-29-6	< 6.2	D1	6.2	100
10225	PCB-1254	11097-69-1	< 6.2	D1	6.2	100
10225	PCB-1260	11096-82-5	16	D1	6.2	100
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	21.5		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172510040A	09/15/2017 21:30	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172510040A	09/10/2017 20:30	Karen L Beyer	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17251820003B	09/08/2017 23:11	Scott W Freisher	1

Quality Control Summary

Client Name: Stantec
Reported: 09/28/2017 13:02

Group Number: 1847636

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: 172510039A	Sample number(s): 9197307-9197310	
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: 172510040A	Sample number(s): 9197311-9197318	
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: 172510041A	Sample number(s): 9197303-9197306	
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: 172510039A	Sample number(s): 9197307-9197310								
PCB-1016	0.501	0.462			92		80-121		
PCB-1260	0.504	0.469			93		84-125		
Batch number: 172510040A	Sample number(s): 9197311-9197318								
PCB-1016	0.501	0.460			92		80-121		
PCB-1260	0.504	0.488			97		84-125		

*- 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: 09/28/2017 13:02

Group Number: 1847636

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 172510041A	Sample number(s): 9197303-9197306								
PCB-1016	0.501	0.473			94		80-121		
PCB-1260	0.504	0.509			101		84-125		
	%	%	%	%					
Batch number: 17251820002C	Sample number(s): 9197306								
Moisture	89.5	89.42			100		99-101		
Batch number: 17251820003A	Sample number(s): 9197307-9197316								
Moisture	89.5	89.41			100		99-101		
Batch number: 17251820003B	Sample number(s): 9197317-9197318								
Moisture	89.5	89.41			100		99-101		
Batch number: 17256820010A	Sample number(s): 9197303-9197305								
Moisture	89.5	89.42			100		99-101		
Moisture	89.5	89.42			100		99-101		
Moisture Duplicate	89.5	89.42			100		99-101		

MS/MSD

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

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 172510039A	Sample number(s): 9197307-9197310 UNSPK: P197275									
PCB-1016	< 4.9	0.486	< 5.0	0.492	< 5.0	0*	0*	80-121	0	50
PCB-1260	11.57	0.490	14.23	0.496	10.21	542 (2)	-274 (2)	84-125	33	50
Batch number: 172510040A	Sample number(s): 9197311-9197318 UNSPK: P197280									
PCB-1016	< 2.4	0.489	< 2.5	0.485	< 2.5	0*	0*	80-121	0	50
PCB-1260	9.40	0.492	6.13	0.488	8.59	-665 (2)	-165 (2)	84-125	33	50
Batch number: 172510041A	Sample number(s): 9197303-9197306 UNSPK: 9197303									
PCB-1016	< 0.25	0.496	0.547	0.478	0.348	110	73*	80-121	44	50
PCB-1260	0.891	0.500	1.00	0.481	3.36	22*	514*	84-125	108*	50

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

Quality Control Summary

Client Name: Stantec
Reported: 09/28/2017 13:02

Group Number: 1847636

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: 17251820002C	Sample number(s): 9197306 BKG: P197303			
Moisture	17.7	23.06	26*	5
Batch number: 17251820003A	Sample number(s): 9197307-9197316 BKG: 9197310			
Moisture	23.89	22.44	6*	5
Batch number: 17251820003B	Sample number(s): 9197317-9197318 BKG: P197321			
Moisture	22.9	19.78	15*	5
Batch number: 17256820010A	Sample number(s): 9197303-9197305 BKG: 9197303, P197303			
Moisture	20.72	18.34	12*	5
Moisture	20.72	18.34	12*	5
Moisture Duplicate	20.72	18.34	12*	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: 172510039A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9197307	103	156	106	140
9197308	93	122	97	113
9197309	95	119	98	119
9197310	97	150	103	130
Blank	101	106	103	103
LCS	100	108	105	105
MS	111	163	109	152
MSD	97	140	98	128
Limits:	61-152	48-164	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172510040A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9197311	99	127	101	124
9197312	117	158	116	149
9197313	58*	61	61	60
9197314	116	158	114	145
9197315	102	102	106	101
9197316	100	132	99	116

*- 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: 09/28/2017 13:02

Group Number: 1847636

Surrogate Quality Control (continued)

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

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172510040A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9197317	127	185*	127	165*
9197318	110	154	107	141
Blank	108	105	111	111
LCS	100	110	104	108
MS	111	154	114	145
MSD	106	150	104	136
Limits:	61-152	48-164	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172510041A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9197303	97	115	103	111
9197304	108	133	115	132
9197305	72	119	73	95
9197306	75	111	76	95
Blank	101	102	103	111
LCS	101	109	108	116
MS	108	133	115	132
MSD	72	119	73	95
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 # 1847636 Sample # 9197303-18

COC # 536816 3 of 8

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

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

Analysis Requested — Preservation Codes: PCBs 3550B

For Lab Use Only
FSC: ____
SCR#: ____

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

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil ☒ Sediment	Water	Other:	Total # of Containers	PCBs 3550B	Remarks
T1-0W	9-7-17	1045	X		X			1	X	
T1-0W MS		1045	X		X			1	X	
T1-0W MSD		1045	X		X			1	X	
DUP-2		1045	X		X			1	X	
T1-0E		1050	X		X			1	X	
T1-0E MS		1050	X		X			1	X	
T1-0E MSD		1050	X		X			1	X	
DUP-3		1050	X		X			1	X	
T1-1W		1051	X		X			1	X	
T1-1E	9-7-17	1052	X		X			1	X	

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

Date results are needed: ____

E-mail address: ____

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-7-17	1255	[signature]	9-7-17	1255
[signature]	9-7-17	1700			
			[signature]	9/7/17	1700

Data Package Options (circle if required)

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

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

NYSDEC Category A or B — MA MCP — CT RCP

EDD Required? Yes No
If yes, format: ____

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

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.0-1.4 °C

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1847636 Sample # 9197303-18

COC # 536818 5 of 8

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 ☐

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	Matrix: Soil ☒ Sediment ☐ Tissue ☐	Water: Potable ☐ Ground ☐ Surface ☐ NPDES ☐	Other:	Total # of Containers	Analysis Requested: PCBs 3550B
T1-5E	9-7-17	1104	X		X			1	X
T1-6W		1109	X		X			1	X
T1-6E		1110	X		X			1	X
T1-7W		1111	X		X			1	X
T1-7E		1112	X		X			1	X
T1-8W		1113	X		X			1	X
T1-8E		1114	X		X			1	X
T1-9W		1115	X		X			1	X
T1-9E		1116	X		X			1	X
T1-10W	9-7-17	1117	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]	9-7-17	1255	[signature]	9-7-17	1255
[signature]	9-7-17	1700			
			[signature]	9/7/17	1700

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 1.0-1.4°C

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Sample Administration Receipt Documentation Log

Doc Log ID: 193716

Group Number(s): 1847636

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/07/2017 17:00
Number of Packages:	2	Number of Projects:	1
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 Karen Diem (3060) at 18:04 on 09/07/2017

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	DT146	1.4	DT	Wet	Y	Bagged	N
2	DT146	1.0	DT	Wet	Y	Bagged	N

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

Explanation of Symbols and Abbreviations

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

Polychlorinated Biphenyls (PCBs)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATG54

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9197303	T1-OE		X	5	Unspiked
9197304	T1-OEMS		X	5	Matrix Spike
9197305	T1-OEMSD		X	5	Matrix Spike Duplicate
9197306	DUP-3		X	10	Field Duplicate Sample
9197307	T1-1W		X	50	
9197308	T1-1E		X	5	
9197309	T1-5E		X	5	
9197310	T1-6W		X	100	
9197311	T1-6E		X	10	
9197312	T1-7W		X	100	
9197313	T1-7E		X	1	
9197314	T1-8W		X	100	
9197315	T1-8E		X	1	
9197316	T1-9W		X	50	
9197317	T1-9E		X	50	
9197318	T1-10W		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.

CALIBRATION/STANDARDIZATION:

(Sample number(s): 9197303-9197318: Analysis: 10225)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATG54

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

MS/MSD

Please note that US EPA Methods for organic compounds do not require action by the laboratory based on out-of-specification MS/MSD results.

Batch#: 172510041A (Sample number(s): 9197303-9197306, UNSPK: 9197303)
The relative percent difference(s) for the following analyte(s) in the MS/MSD is outside the acceptance window: PCB-1260
The recovery(ies) for the following analyte(s) in the MS were below the acceptance window: PCB-1260
The recovery(ies) for the following analyte(s) in the MSD were below the acceptance window: PCB-1016
The recovery(ies) for the following analyte(s) in the MSD exceeded the acceptance window indicating a positive bias:PCB-1260

Surrogate

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

Batch#: 172510040A (Sample number(s): 9197311-9197318)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window: Decachlorobiphenyl-D1 (9197317), Decachlorobiphenyl-D2 (9197317)
The recovery(ies) for the following surrogate(s) were below the acceptance window: Tetrachloro-m-xylene-D1 (9197313)

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: ATG54

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	172510039A	PBLK39251	09/17/2017 21:01:00
		LCS39251	09/17/2017 21:12:00
		9197307	09/18/2017 01:11:00
		9197308	09/18/2017 01:23:00
		9197309	09/18/2017 01:57:00
		9197310	09/18/2017 02:09:00
PCBs in Solids by 8082/3550	172510040A	PBLK40251	09/15/2017 19:00:00
		LCS40251	09/15/2017 19:12:00
		9197311	09/15/2017 20:09:00
		9197312	09/15/2017 20:21:00
		9197313	09/15/2017 20:32:00
		9197314	09/15/2017 20:44:00
		9197315	09/15/2017 20:55:00
		9197316	09/18/2017 19:50:00
		9197317	09/15/2017 21:18:00
		9197318	09/15/2017 21:30:00
PCBs in Solids by 8082/3550	172510041A	PBLK41251	09/15/2017 16:43:00
		LCS41251	09/15/2017 16:54:00
		9197303 UNSPK	09/15/2017 17:06:00
		9197304 MS	09/15/2017 17:17:00
		9197305 MSD	09/15/2017 17:29:00
		9197306	09/15/2017 17:40:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATG54
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172510039A / PBLK39251 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	09/17/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	09/17/17	N.D.	mg/kg	0.015	0.051
PCB-1232	09/17/17	N.D.	mg/kg	0.012	0.051
PCB-1242	09/17/17	N.D.	mg/kg	0.012	0.051
PCB-1248	09/17/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	09/17/17	N.D.	mg/kg	0.013	0.051
PCB-1260	09/17/17	N.D.	mg/kg	0.012	0.051

172510040A / PBLK40251 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	09/15/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	09/15/17	N.D.	mg/kg	0.015	0.051
PCB-1232	09/15/17	N.D.	mg/kg	0.012	0.051
PCB-1242	09/15/17	N.D.	mg/kg	0.012	0.051
PCB-1248	09/15/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	09/15/17	N.D.	mg/kg	0.013	0.051
PCB-1260	09/15/17	N.D.	mg/kg	0.012	0.051

172510041A / PBLK41251 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	09/15/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	09/15/17	N.D.	mg/kg	0.015	0.051
PCB-1232	09/15/17	N.D.	mg/kg	0.012	0.051
PCB-1242	09/15/17	N.D.	mg/kg	0.012	0.051
PCB-1248	09/15/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	09/15/17	N.D.	mg/kg	0.013	0.051
PCB-1260	09/15/17	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATG54
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172510039A	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
PBLK39251	106	48 - 164	103	48 - 164	101	61 - 152	103	61 - 152
LCS39251	108	48 - 164	105	48 - 164	100	61 - 152	105	61 - 152
9197307	156	48 - 164	140	48 - 164	103	61 - 152	106	61 - 152
9197308	122	48 - 164	113	48 - 164	93	61 - 152	97	61 - 152
9197309	119	48 - 164	119	48 - 164	95	61 - 152	98	61 - 152
9197310	150	48 - 164	130	48 - 164	97	61 - 152	103	61 - 152

172510040A	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
PBLK40251	105	48 - 164	111	48 - 164	108	61 - 152	111	61 - 152
LCS40251	110	48 - 164	108	48 - 164	100	61 - 152	104	61 - 152
9197311	127	48 - 164	124	48 - 164	99	61 - 152	101	61 - 152
9197312	158	48 - 164	149	48 - 164	117	61 - 152	116	61 - 152
9197313	61	48 - 164	60	48 - 164	58 *	61 - 152	61	61 - 152
9197314	158	48 - 164	145	48 - 164	116	61 - 152	114	61 - 152
9197315	102	48 - 164	101	48 - 164	102	61 - 152	106	61 - 152
9197316	132	48 - 164	116	48 - 164	100	61 - 152	99	61 - 152
9197317	185 *	48 - 164	165 *	48 - 164	127	61 - 152	127	61 - 152
9197318	154	48 - 164	141	48 - 164	110	61 - 152	107	61 - 152

172510041A	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
PBLK41251	102	48 - 164	111	48 - 164	101	61 - 152	103	61 - 152
LCS41251	109	48 - 164	116	48 - 164	101	61 - 152	108	61 - 152
9197303 UNSPK	115	48 - 164	111	48 - 164	97	61 - 152	103	61 - 152
9197304 MS	133	48 - 164	132	48 - 164	108	61 - 152	115	61 - 152
9197305 MSD	119	48 - 164	95	48 - 164	72	61 - 152	73	61 - 152
9197306	111	48 - 164	95	48 - 164	75	61 - 152	76	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: ATG54
Matrix: SOLID

Pesticide Residue Analysis
Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9197303 MS: 9197304 MSD: 9197305 **Analyte**	Batch: **172510041A** (Sample number(s): 9197303-9197306)								
	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 / 0.478	0	0.547	0.348	110	73 *	80-121	44	50
PCB-1260	0.500 / 0.481	0.891	1.00	3.36	22 *	514 *	84-125	108 *	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: ATG54
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS39251	Batch: **172510039A** (Sample number(s): 9197307-9197310)							
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	0.462	NA	92	NA	80-121	NA	NA
PCB-1260	0.504	0.469	NA	93	NA	84-125	NA	NA

LCS: LCS40251	Batch: **172510040A** (Sample number(s): 9197311-9197318)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.501	0.460	NA	92	NA	80-121	NA	NA
PCB-1260	0.504	0.488	NA	97	NA	84-125	NA	NA

LCS: LCS41251	Batch: **172510041A** (Sample number(s): 9197303-9197306)							
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	0.473	NA	94	NA	80-121	NA	NA
PCB-1260	0.504	0.509	NA	101	NA	84-125	NA	NA

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1725001

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.97	3.03
Decachlorobiphenyl	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.65	6.71

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1725001

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	3.92E+05	3.54E+05	3.70E+05	3.92E+05	3.87E+05	3.77E+05	3.79E+05	4
Decachlorobiphenyl	1.59E+05	1.49E+05	1.32E+05	1.28E+05	1.20E+05	1.22E+05	1.35E+05	12

Average % RSD: 8

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1725001

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.25	3.23	3.27	6574	1	25.25	197596	11.52
	1					2	50.5	346123	
	1					3	101	668664	
	1					4	202	1311878	
	1					5	505	3051780	
	1					6	1010	5664226	
	2	3.47	3.45	3.49	6729	1	25.25	199049	10.67
	2					2	50.5	356111	
	2					3	101	684995	
	2					4	202	1353604	
	2					5	505	3057455	
	2					6	1010	5962817	
	3	3.58	3.56	3.60	8022	1	25.25	234242	9.55
	3					2	50.5	424020	
	3					3	101	814739	
	3					4	202	1570260	
	3					5	505	3824135	
	3					6	1010	7116544	
	4	3.76	3.74	3.78	7854	1	25.25	195907	4.07
	4					2	50.5	370412	
	4					3	101	779542	
	4					4	202	1663440	
	4					5	505	4059212	
	4					6	1010	8119403	
	5	3.80	3.78	3.82	9217	1	25.25	263704	7.28
	5					2	50.5	475690	
	5					3	101	908764	
	5					4	202	1841288	
	5					5	505	4310326	
	5					6	1010	8880937	
	6	3.93	3.91	3.95	5654	1	25.25	167327	11.03
	6					2	50.5	306260	
	6					3	101	568798	
	6					4	202	1120595	
	6					5	505	2600442	
	6					6	1010	4952902	
Aroclor-1221	1	3.15	3.13	3.17	3044	1	200.1	609085	.00
	2	3.20	3.18	3.22	2784	1	200.1	557136	.00
	3	3.25	3.23	3.27	8480	1	200.1	1696944	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1725001

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.25	3.23	3.27	7713	1	200.6	1547194	.00
	2	3.47	3.45	3.49	3221	1	200.6	646069	.00
	3	3.58	3.56	3.60	3859	1	200.6	774145	.00
	4	3.76	3.74	3.78	3620	1	200.6	726204	.00
	5	3.80	3.78	3.82	4518	1	200.6	906247	.00
	6	3.93	3.91	3.95	2274	1	200.6	456206	.00
Aroclor-1242	1	3.25	3.23	3.27	8803	1	200	1760538	.00
	2	3.47	3.45	3.49	8849	1	200	1769878	.00
	3	3.58	3.56	3.60	10548	1	200	2109666	.00
	4	3.76	3.74	3.78	11623	1	200	2324592	.00
	5	3.80	3.78	3.82	12750	1	200	2549986	.00
	6	3.93	3.91	3.95	7196	1	200	1439267	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1725001

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.80	3.78	3.82	4544	1	25.08	140299	14.15
	1					2	50.16	243769	
	1					3	100.32	474314	
	1					4	200.64	832524	
	1					5	501.6	2016771	
	1					6	1003.2	3923484	
	2	3.86	3.84	3.88	4834	1	25.08	145633	12.29
	2					2	50.16	256504	
	2					3	100.32	501384	
	2					4	200.64	906294	
	2					5	501.6	2120118	
	2					6	1003.2	4353800	
	3	3.93	3.91	3.95	8048	1	25.08	238256	11.12
	3					2	50.16	426500	
	3					3	100.32	833772	
	3					4	200.64	1504185	
	3					5	501.6	3593707	
	3					6	1003.2	7338840	
	4	4.05	4.03	4.07	9088	1	25.08	269398	10.72
	4					2	50.16	469572	
	4					3	100.32	950298	
	4					4	200.64	1683775	
	4					5	501.6	4155262	
	4					6	1003.2	8303367	
	5	4.14	4.12	4.16	7868	1	25.08	233903	10.34
	5					2	50.16	403789	
	5					3	100.32	805095	
	5					4	200.64	1465920	
	5					5	501.6	3558466	
	5					6	1003.2	7431829	
	6	4.32	4.30	4.34	8405	1	25.08	234215	6.38
	6					2	50.16	419988	
	6					3	100.32	858438	
	6					4	200.64	1569701	
	6					5	501.6	3990821	
	6					6	1003.2	8405661	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1725001

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.31	4.29	4.33	9062	1	25.15	265058	9.13
	1					2	50.3	463097	
	1					3	100.6	935490	
	1					4	251.5	2148495	
	1					5	503	4212779	
	1					6	1006	8461865	
	2	4.65	4.63	4.67	9611	1	25.15	258636	4.54
	2					2	50.3	498819	
	2					3	100.6	967920	
	2					4	251.5	2289712	
	2					5	503	4650526	
	2					6	1006	9551047	
	3	4.71	4.69	4.73	20333	1	25.15	558591	4.76
	3					2	50.3	997152	
	3					3	100.6	1999076	
	3					4	251.5	4915956	
	3					5	503	10106780	
	3					6	1006	20573340	
	4	4.93	4.91	4.95	12429	1	25.15	342600	5.66
	4					2	50.3	624806	
	4					3	100.6	1240974	
	4					4	251.5	2876281	
	4					5	503	6146375	
	4					6	1006	12614900	
	5	5.13	5.11	5.15	7112	1	25.15	190521	4.65
	5					2	50.3	358291	
	5					3	100.6	713857	
	5					4	251.5	1664608	
	5					5	503	3479452	
	5					6	1006	7383292	
	6	5.25	5.23	5.27	9342	1	25.15	265236	7.99
	6					2	50.3	496877	
	6					3	100.6	912798	
	6					4	251.5	2164034	
	6					5	503	4371353	
	6					6	1006	9315971	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1725001

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.84	4.82	4.86	14554	1	25.21	401073	4.84
	1					2	50.41	743327	
	1					3	100.82	1420301	
	1					4	201.64	2855469	
	1					5	504.1	7150358	
	1					6	1008.2	14354970	
	2	5.04	5.02	5.06	14286	1	25.21	384699	4.40
	2					2	50.41	686166	
	2					3	100.82	1404227	
	2					4	201.64	2823861	
	2					5	504.1	7089278	
	2					6	1008.2	14973330	
	3	5.25	5.23	5.27	13556	1	25.21	356198	3.18
	3					2	50.41	655155	
	3					3	100.82	1332955	
	3					4	201.64	2704916	
	3					5	504.1	6870037	
	3					6	1008.2	14061570	
	4	5.47	5.45	5.49	7850	1	25.21	215854	6.16
	4					2	50.41	384497	
	4					3	100.82	789554	
	4					4	201.64	1459466	
	4					5	504.1	3822787	
	4					6	1008.2	8326508	
	5	5.71	5.69	5.73	19224	1	25.21	500577	3.69
	5					2	50.41	938427	
	5					3	100.82	1915731	
	5					4	201.64	3686137	
	5					5	504.1	9840190	
	5					6	1008.2	20236460	
	6	5.91	5.89	5.93	12572	1	25.21	361314	7.34
	6					2	50.41	644840	
	6					3	100.82	1242937	
	6					4	201.64	2407153	
	6					5	504.1	5984682	
	6					6	1008.2	12270570	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1725001

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.31	5.29	5.33	11647	1	200.8	2338664	.00
	2	5.47	5.45	5.49	10354	1	200.8	2079036	.00
	3	5.71	5.69	5.73	22718	1	200.8	4561816	.00
	4	5.91	5.89	5.93	15506	1	200.8	3113592	.00
	5	5.97	5.95	5.99	7802	1	200.8	1566639	.00
	6	6.33	6.31	6.35	6996	1	200.8	1404776	.00
Aroclor-1268	1	5.91	5.89	5.93	27816	1	201	5591006	.00
	2	5.97	5.95	5.99	24053	1	201	4834672	.00
	3	6.10	6.08	6.12	23083	1	201	4639698	.00
	4	6.16	6.14	6.18	6060	1	201	1218157	.00
	5	6.33	6.31	6.35	7113	1	201	1429771	.00
	6	6.53	6.51	6.55	46819	1	201	9410568	.00

File Name: V:\CP7\07pcbs1725001.CAL
Version: 8

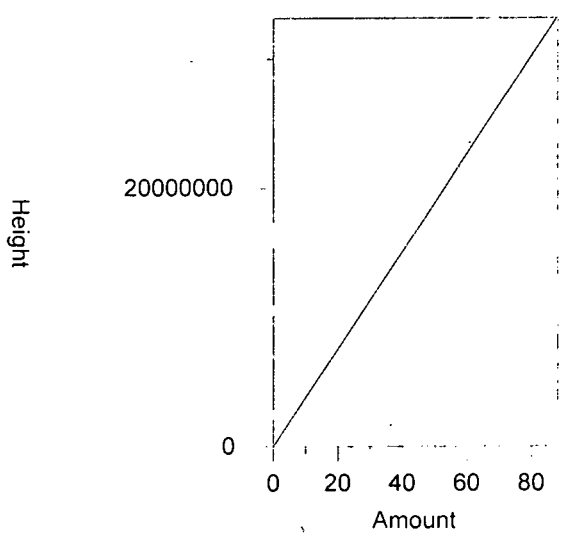
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.999 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

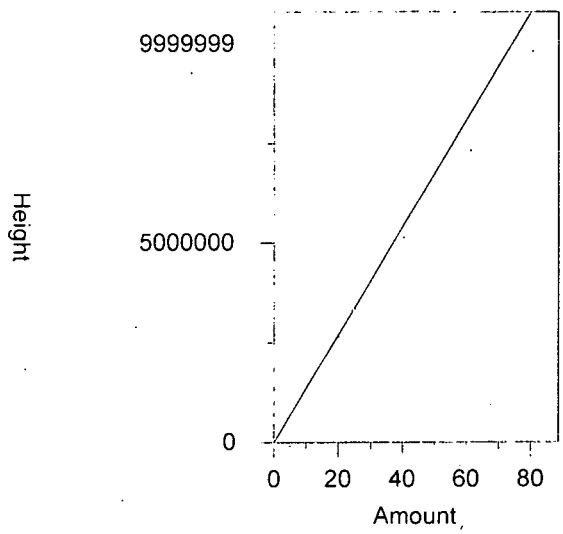
Single peak quantification by height

Y = 378502.9 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.999175
Average error: 3.063%
Average CF: 378502.9
RSD: 3.925%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	783218.1	391609.1	3.463	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0007.
2	4	1414990	353747.5	-6.540	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0008.
3	20	7404398	370219.9	-2.188	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0009.
4	40	1.567273E+07	391818.3	3.518	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0010.
5	60.8	2.35211E+07	386860.2	2.208	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0011.
6	80	3.0141E+07	376762.5	-0.460	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0012.

2 DCB



Expected retention time:	6.679 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 = 134978.9 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9715669
Average error:	9.522%
Average CF:	134978.9
RSD:	11.734%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	319745	159077.1	17.853	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.000
2	4.02	600746.2	149439.3	10.713	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.000
3	20.12	2656202	132018	-2.194	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.000
4	40.24	5136052	127635.5	-5.440	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.001
5	61.16	7322093	119720.3	-11.304	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.001
6	80.48	9817195	121983	-9.628	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.001

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1725001B

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

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	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.62	2.68
Decachlorobiphenyl	6.16	6.16	6.16	6.16	6.16	6.16	6.16	6.13	6.19

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1725001B

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	3.99E+05	3.64E+05	3.89E+05	3.90E+05	3.98E+05	3.92E+05	3.89E+05	3
Decachlorobiphenyl	1.83E+05	1.67E+05	1.57E+05	1.57E+05	1.45E+05	1.47E+05	1.59E+05	9

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1725001B

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.94	2.92	2.96	6726	1	25.25	201372	12.49
	1					2	50.5	364749	
	1					3	101	691963	
	1					4	202	1345072	
	1					5	505	3033606	
	1					6	1010	5695418	
	2	3.14	3.12	3.16	8554	1	25.25	257916	13.13
	2					2	50.5	461335	
	2					3	101	889610	
	2					4	202	1717056	
	2					5	505	3843472	
	2					6	1010	7123490	
	3	3.27	3.25	3.29	8455	1	25.25	248538	10.39
	3					2	50.5	443372	
	3					3	101	874149	
	3					4	202	1678713	
	3					5	505	3982540	
	3					6	1010	7326357	
	4	3.42	3.40	3.44	9061	1	25.25	234582	3.20
	4					2	50.5	437246	
	4					3	101	935046	
	4					4	202	1842106	
	4					5	505	4698704	
	4					6	1010	8825775	
	5	3.46	3.44	3.48	8511	1	25.25	240362	6.63
	5					2	50.5	434549	
	5					3	101	852437	
	5					4	202	1698858	
	5					5	505	4185390	
	5					6	1010	7880640	
	6	3.59	3.57	3.61	7010	1	25.25	203515	8.53
	6					2	50.5	358346	
	6					3	101	711838	
	6					4	202	1401445	
	6					5	505	3353200	
	6					6	1010	6342038	
Aroclor-1221	1	2.82	2.80	2.84	3663	1	200.1	733034	.00
	2	2.88	2.86	2.90	2298	1	200.1	459804	.00
	3	2.94	2.92	2.96	9033	1	200.1	1807416	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1725001B

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1232	1	2.94	2.92	2.96	8228	1	200.6	1650608	.00
	2	3.14	3.12	3.16	4319	1	200.6	866316	.00
	3	3.27	3.25	3.29	4177	1	200.6	837906	.00
	4	3.42	3.40	3.44	4170	1	200.6	836506	.00
	5	3.46	3.44	3.48	4247	1	200.6	851850	.00
	6	3.59	3.57	3.61	2947	1	200.6	591234	.00
Aroclor-1242	1	2.94	2.92	2.96	9301	1	200	1860148	.00
	2	3.14	3.12	3.16	7553	1	200	1510613	.00
	3	3.27	3.25	3.29	11051	1	200	2210237	.00
	4	3.42	3.40	3.44	13157	1	200	2631488	.00
	5	3.46	3.44	3.48	11780	1	200	2355990	.00
	6	3.59	3.57	3.61	8861	1	200	1772266	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1725001B

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.46	3.44	3.48	3898	1	25.08	117271	12.37
	1					2	50.16	204459	
	1					3	100.32	409498	
	1					4	200.64	745458	
	1					5	501.6	1723511	
	1					6	1003.2	3413511	
	2	3.53	3.51	3.55	5344	1	25.08	155384	10.56
	2					2	50.16	273953	
	2					3	100.32	574532	
	2					4	200.64	1021441	
	2					5	501.6	2337675	
	2					6	1003.2	4941948	
	3	3.57	3.55	3.59	9202	1	25.08	270792	10.84
	3					2	50.16	485565	
	3					3	100.32	957950	
	3					4	200.64	1742696	
	3					5	501.6	4141484	
	3					6	1003.2	8268068	
	4	3.69	3.67	3.71	11064	1	25.08	317618	9.04
	4					2	50.16	569135	
	4					3	100.32	1154113	
	4					4	200.64	2153936	
	4					5	501.6	5140846	
	4					6	1003.2	9913679	
	5	3.78	3.76	3.80	7650	1	25.08	217644	7.37
	5					2	50.16	392180	
	5					3	100.32	770118	
	5					4	200.64	1450078	
	5					5	501.6	3666750	
	5					6	1003.2	7213186	
	6	3.92	3.90	3.94	14552	1	25.08	411710	6.77
	6					2	50.16	727872	
	6					3	100.32	1466791	
	6					4	200.64	2851387	
	6					5	501.6	6993338	
	6					6	1003.2	13655940	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1725001B

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.22	4.20	4.24	11541	1	25.15	316238	5.50
	1					2	50.3	597165	
	1					3	100.6	1177319	
	1					4	251.5	2807490	
	1					5	503	5481992	
	1					6	1006	11099250	
	2	4.28	4.26	4.30	20406	1	25.15	562832	6.11
	2					2	50.3	1074113	
	2					3	100.6	2058443	
	2					4	251.5	4899861	
	2					5	503	9771787	
	2					6	1006	19445050	
	3	4.37	4.35	4.39	9585	1	25.15	272916	8.90
	3					2	50.3	518578	
	3					3	100.6	972408	
	3					4	251.5	2287037	
	3					5	503	4454693	
	3					6	1006	8784515	
	4	4.44	4.42	4.46	12604	1	25.15	348961	6.74
	4					2	50.3	670129	
	4					3	100.6	1263308	
	4					4	251.5	2929522	
	4					5	503	5995598	
	4					6	1006	12373430	
	5	4.66	4.64	4.68	8873	1	25.15	239925	4.45
	5					2	50.3	447172	
	5					3	100.6	901461	
	5					4	251.5	2093836	
	5					5	503	4386771	
	5					6	1006	8856384	
	6	4.74	4.72	4.76	14059	1	25.15	377727	5.59
	6					2	50.3	751289	
	6					3	100.6	1432641	
	6					4	251.5	3372104	
	6					5	503	6756052	
	6					6	1006	13400100	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1725001B

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.37	4.35	4.39	14903	1	25.21	415911	5.61
	1					2	50.41	744101	
	1					3	100.82	1495484	
	1					4	201.64	2958760	
	1					5	504.1	7387740	
	1					6	1008.2	14114620	
	2	4.51	4.49	4.53	17096	1	25.21	467912	4.25
	2					2	50.41	850231	
	2					3	100.82	1675260	
	2					4	201.64	3415482	
	2					5	504.1	8430357	
	2					6	1008.2	17010030	
	3	4.62	4.60	4.64	13824	1	25.21	361109	2.56
	3					2	50.41	682487	
	3					3	100.82	1344837	
	3					4	201.64	2811927	
	3					5	504.1	7070690	
	3					6	1008.2	13882450	
	4	4.74	4.72	4.76	16682	1	25.21	440426	3.54
	4					2	50.41	797026	
	4					3	100.82	1631334	
	4					4	201.64	3395300	
	4					5	504.1	8521979	
	4					6	1008.2	17023370	
	5	5.16	5.14	5.18	21538	1	25.21	563581	3.38
	5					2	50.41	1029369	
	5					3	100.82	2112827	
	5					4	201.64	4458896	
	5					5	504.1	10882510	
	5					6	1008.2	21972460	
	6	5.42	5.40	5.44	12754	1	25.21	335705	3.53
	6					2	50.41	607827	
	6					3	100.82	1277236	
	6					4	201.64	2524940	
	6					5	504.1	6463348	
	6					6	1008.2	13248180	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1725001B

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

ICAL Date(s) Analyzed: 9/7/2017 9/8/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.78	4.76	4.80	16311	1	200.8	3275284	.00
	2	4.97	4.95	4.99	15179	1	200.8	3047896	.00
	3	5.16	5.14	5.18	28007	1	200.8	5623768	.00
	4	5.38	5.36	5.40	10129	1	200.8	2033996	.00
	5	5.42	5.40	5.44	17087	1	200.8	3430987	.00
	6	5.80	5.78	5.82	7313	1	200.8	1468412	.00
Aroclor-1268	1	5.38	5.36	5.40	29022	1	201	5833378	.00
	2	5.42	5.40	5.44	27826	1	201	5593044	.00
	3	5.58	5.56	5.60	23264	1	201	4676043	.00
	4	5.64	5.62	5.66	5663	1	201	1138296	.00
	5	5.80	5.78	5.82	7975	1	201	1603028	.00
	6	6.00	5.98	6.02	54885	1	201	11031980	.00

File Name: V:\CP7\07pcbs1725001b.CAL
Version: 8

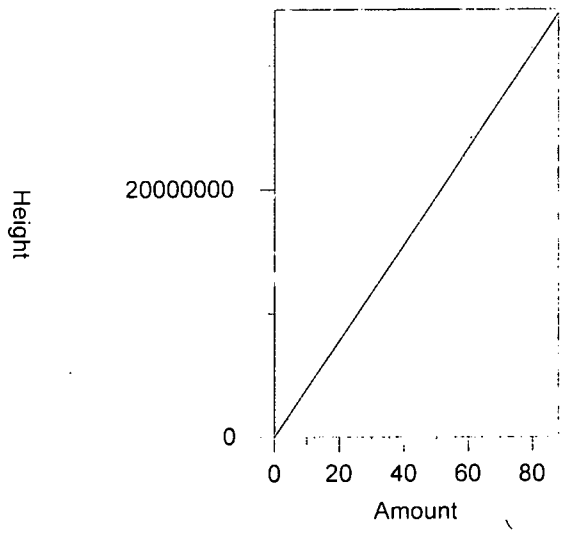
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time:	2.653 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

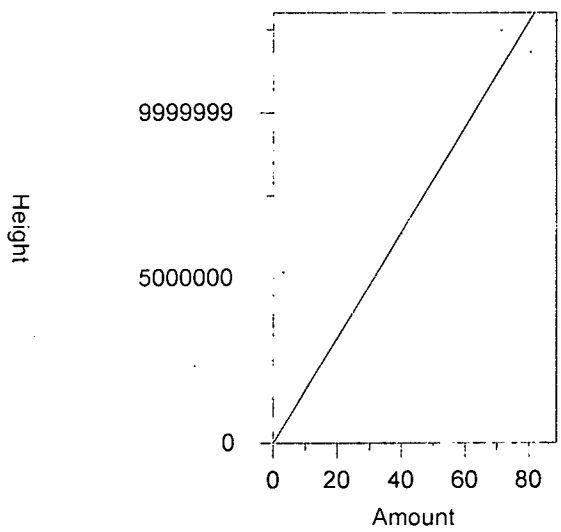
Y = 388622.5 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9994587
Average error:	2.116%
Average CF:	388622.5
RSD:	3.297%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	798335.3	399167.7	2.713	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001B.000
2	4	1455788	363947	-6.349	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001B.000
3	20	7774236	388711.8	0.023	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001B.000
4	40	1.558321E+07	389580.3	0.246	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001B.001
5	60.8	2.418814E+07	397831.3	2.370	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001B.001
6	80	3.139977E+07	392497.1	0.997	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001B.001

2 DCB



Expected retention time:	6.159 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 = 159304.2 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9832096
Average error:	6.581%
Average CF:	159304.2
RSD:	8.910%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	368631.7	183398.8	15.125	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001E
2	4.02	669980.2	166661.7	4.619	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001E
3	20.12	3155403	156829.2	-1.554	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001E
4	40.24	6323942	157155.6	-1.349	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001E
5	61.16	8862076	144899.9	-9.042	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001E
6	80.48	1.18209E+07	146880	-7.799	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001E

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/08/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 4:20

Lab File ID: 07PCBS17250001.0032.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: IC16XAA Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	40.16	40.00	0
Decachlorobiphenyl	6.68	6.65	6.71	38.42	40.24	-5
Aroclor-1016	3.25	3.23	3.27	191.91	201.00	-5
	3.47	3.45	3.49	196.13	201.00	-2
	3.58	3.56	3.60	196.05	201.00	-2
	3.76	3.74	3.78	212.84	201.00	6
	3.80	3.78	3.82	205.44	201.00	2
	3.93	3.91	3.95	200.37	201.00	0
Aroclor-1260	4.84	4.82	4.86	191.79	201.80	-5
	5.04	5.02	5.06	187.66	201.80	-7
	5.24	5.23	5.27	180.71	201.80	-10
	5.47	5.45	5.49	193.20	201.80	-4
	5.71	5.69	5.73	189.75	201.80	-6
	5.91	5.89	5.93	175.65	201.80	-13

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/08/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 4:20

Lab File ID: 07PCBS17250001B.0032.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: IC16XAA Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	41.47	40.00	4
Decachlorobiphenyl	6.16	6.13	6.19	37.21	40.24	-8
Aroclor-1016	2.94	2.92	2.96	195.56	201.00	-3
	3.14	3.12	3.16	209.67	201.00	4
	3.27	3.25	3.29	204.34	201.00	2
	3.42	3.40	3.44	213.04	201.00	6
	3.46	3.44	3.48	210.47	201.00	5
	3.59	3.57	3.61	209.97	201.00	4
Aroclor-1260	4.37	4.35	4.39	192.46	201.80	-5
	4.51	4.49	4.53	197.74	201.80	-2
	4.61	4.60	4.64	198.05	201.80	-2
	4.74	4.72	4.76	186.91	201.80	-7
	5.16	5.14	5.18	201.01	201.80	0
	5.42	5.40	5.44	198.04	201.80	-2

Compounds 14 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/08/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 4:31

Lab File ID: 07PCBS17250001.0033.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: IC48XAA Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	39.66	40.00	-1
Decachlorobiphenyl	6.68	6.65	6.71	37.03	40.24	-8
Aroclor-1248	3.80	3.78	3.82	178.33	200.60	-11
	3.86	3.84	3.88	182.37	200.60	-9
	3.93	3.91	3.95	186.26	200.60	-7
	4.05	4.03	4.07	190.07	200.60	-5
	4.14	4.12	4.16	197.45	200.60	-2
	4.32	4.30	4.34	192.37	200.60	-4

Compounds 8 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/08/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 4:31

Lab File ID: 07PCBS17250001B.0033.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: IC48XAA Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	40.26	40.00	1
Decachlorobiphenyl	6.16	6.13	6.19	37.89	40.24	-6
Aroclor-1248	3.46	3.44	3.48	183.62	200.60	-8
	3.53	3.51	3.55	186.44	200.60	-7
	3.56	3.55	3.59	191.21	200.60	-5
	3.69	3.67	3.71	193.68	200.60	-3
	3.78	3.76	3.80	203.95	200.60	2
	3.92	3.90	3.94	206.29	200.60	3

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/08/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 4:42

Lab File ID: 07PCBS17250001.0034.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: IC54XAA Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	19.60	20.00	-2
Decachlorobiphenyl	6.68	6.65	6.71	17.92	20.12	-11
Aroclor-1254	4.31	4.29	4.33	224.16	250.00	-10
	4.65	4.63	4.67	230.69	250.00	-8
	4.71	4.69	4.73	227.28	250.00	-9
	4.93	4.91	4.95	215.79	250.00	-14
	5.13	5.11	5.15	224.98	250.00	-10
	5.25	5.23	5.27	229.70	250.00	-8

Compounds 8 Average of %D: 9

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/08/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 4:42

Lab File ID: 07PCBS17250001B.0034.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: IC54XAA Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	20.44	20.00	2
Decachlorobiphenyl	6.16	6.13	6.19	18.97	20.12	-6
Aroclor-1254	4.22	4.20	4.24	237.11	250.00	-5
	4.28	4.26	4.30	232.77	250.00	-7
	4.37	4.35	4.39	229.23	250.00	-8
	4.44	4.42	4.46	228.74	250.00	-9
	4.66	4.64	4.68	230.27	250.00	-8
	4.74	4.72	4.76	234.57	250.00	-6

Compounds 8 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/17/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 17:24

Lab File ID: 07PCBS17250008.0005.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: AR164ZQ Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	39.49	40.00	-1
Decachlorobiphenyl	6.69	6.65	6.71	38.09	40.24	-5
Aroclor-1016	3.25	3.23	3.27	192.51	202.00	-5
	3.47	3.45	3.49	191.76	202.00	-5
	3.58	3.56	3.60	186.35	202.00	-8
	3.76	3.74	3.78	200.12	202.00	-1
	3.80	3.78	3.82	191.44	202.00	-5
	3.93	3.91	3.95	195.30	202.00	-3
Aroclor-1260	4.84	4.82	4.86	180.27	201.64	-11
	5.04	5.02	5.06	189.77	201.64	-6
	5.25	5.23	5.27	193.52	201.64	-4
	5.47	5.45	5.49	194.56	201.64	-4
	5.71	5.69	5.73	190.25	201.64	-6
	5.91	5.89	5.93	177.54	201.64	-12

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/17/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 17:24

Lab File ID: 07PCBS17250008B.0005.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: AR164ZQ Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	41.83	40.00	5
Decachlorobiphenyl	6.16	6.13	6.19	37.62	40.24	-7
Aroclor-1016	2.94	2.92	2.96	197.81	202.00	-2
	3.14	3.12	3.16	204.85	202.00	1
	3.26	3.25	3.29	200.54	202.00	-1
	3.42	3.40	3.44	198.24	202.00	-2
	3.46	3.44	3.48	193.85	202.00	-4
	3.59	3.57	3.61	188.37	202.00	-7
Aroclor-1260	4.37	4.35	4.39	193.39	201.64	-4
	4.51	4.49	4.53	183.83	201.64	-9
	4.62	4.60	4.64	187.02	201.64	-7
	4.74	4.72	4.76	182.28	201.64	-10
	5.16	5.14	5.18	187.36	201.64	-7
	5.42	5.40	5.44	191.23	201.64	-5

Compounds 14 Average of %D: 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKZZ Sample ID: ZZ **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 17, 2017 17:36:00
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0006.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 98% (53-140) Conc.: 0.196529
%SSR(DCB) : 89% (45-143) Conc.: 0.18062

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**55.36**	
3.23	3.26	3.27	4713.873	0.00717			1
+ 3.91	3.91	3.95	743.8936	0.001316			6
3.91	3.93	3.95	1772.911	0.003136			6
Height Summation:			**6486.784**				
Amount Avg CF:			**0.005153**	Linear:			
Aroclor-1221					**2**	**137.53**	
3.18	3.20	3.22	111043	0.39882			2
3.23	3.26	3.27	4713.873	0.005558			3
Height Summation:			**115756.873**				
Amount Avg CF:			**0.202189**	Linear:			
Aroclor-1232					**2**	**17.12**	
3.23	3.26	3.27	4713.873	0.006112			1
+ 3.91	3.91	3.95	743.8936	0.003271			6
3.91	3.93	3.95	1772.911	0.007796			6
Height Summation:			**6486.784**				
Amount Avg CF:			**0.006954**	Linear:			
Aroclor-1242					**2**	**52.30**	
3.23	3.26	3.27	4713.873	0.005355			1
+ 3.91	3.91	3.95	743.8936	0.001034			6
3.91	3.93	3.95	1772.911	0.002464			6
Height Summation:			**6486.784**				
Amount Avg CF:			**0.003909**	Linear:			
Aroclor-1248					**5**	**61.44**	
3.84	3.84	3.88	1393.993	0.002884			2
+ 3.84	3.86	3.88	1098.426	0.002272			2
+ 3.91	3.91	3.95	743.8936	0.000924			3
3.91	3.93	3.95	1772.911	0.002203			3
4.03	4.07	4.07	2135.648	0.00235			4
4.12	4.13	4.16	1503.778	0.001911			5
4.30	4.33	4.34	5602.173	0.006666			6
Height Summation:			**12408.503**				
Amount Avg CF:			**0.003203**	Linear:			
Aroclor-1254					**2**	**23.95**	
4.69	4.71	4.73	1525.062	0.00075			3
4.91	4.92	4.95	1312.424	0.001056			4
Height Summation:			**2837.486**				
Amount Avg CF:			**0.000903**	Linear:			
Aroclor-1260					**3**	**42.54**	
5.02	5.05	5.06	2898.078	0.002029			2
5.45	5.46	5.49	1535.146	0.001956			4
5.89	5.91	5.93	4948.827	0.003936			6
Height Summation:			**9382.051**				
Amount Avg CF:			**0.00264**	Linear:			

Analysis Report (B)

Injected on : Sep 17, 2017 17:36:00
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0006.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 102% (53-140) Conc.: 0.205824
%SSR(DCB) : 92% (45-143) Conc.: 0.186138

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**1**		
3.12	3.16	3.16	3328.057	0.003891			2
Height Summation:			**3328.057**				
Amount Avg CF:			**0.003891**	Linear:			
Aroclor-1221					**2**	**133.49**	
2.80	2.82	2.84	5090.153	0.013895			1
2.86	2.87	2.90	110725.5	0.481861			2
Height Summation:			**115815.653**				
Amount Avg CF:			**0.247878**	Linear:			
Aroclor-1232					**1**		
3.12	3.16	3.16	3328.057	0.007706			2
Height Summation:			**3328.057**				
Amount Avg CF:			**0.007706**	Linear:			
Aroclor-1242					**1**		
3.12	3.16	3.16	3328.057	0.004406			2
Height Summation:			**3328.057**				
Amount Avg CF:			**0.004406**	Linear:			
Aroclor-1248					**1**		
3.90	3.91	3.94	1505.068	0.001034			6
Height Summation:			**1505.068**				
Amount Avg CF:			**0.001034**	Linear:			
Aroclor-1254					**1**		
4.26	4.27	4.30	2609.981	0.001279			2
Height Summation:			**2609.981**				
Amount Avg CF:			**0.001279**	Linear:			
Aroclor-1260					**1**		
5.40	5.42	5.44	3710.885	0.002909			6
Height Summation:			**3710.885**				
Amount Avg CF:			**0.002909**	Linear:			
Aroclor-1262					**2**	**23.55**	
4.95	4.96	4.99	2355.273	0.001552			2
5.40	5.42	5.44	3710.885	0.002172			5
Height Summation:			**6066.158**				
Amount Avg CF:			**0.001862**	Linear:			
Aroclor-1268					**4**	**141.96**	
5.40	5.42	5.44	3710.885	0.001334			2
5.56	5.58	5.60	61236.93	0.026323			3
5.62	5.64	5.66	70972.28	0.125323			4
5.98	6.00	6.02	49641.88	0.009045			6
Height Summation:			**185561.975**				
Amount Avg CF:			**0.040506**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKZZ Sample ID: ZZ **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 17, 2017 17:36:00
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0006.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**37.16**	
5.45	5.46	5.49	1535.146	0.001483			2
5.89	5.91	5.93	4948.827	0.003192			4
5.95	5.96	5.99	2428.019	0.003112			5
Height Summation:			**8911.992**				
Amount Avg CF:			**0.002595**	Linear:			
Aroclor-1268					**5**	**158.03**	
5.89	5.91	5.93	4948.827	0.001779			1
5.95	5.96	5.99	2428.019	0.001009			2
6.08	6.10	6.12	76792.61	0.033268			3
6.14	6.17	6.18	85038.8	0.140317			4
6.51	6.54	6.55	48504.81	0.01036			6
Height Summation:			**217713.066**				
Amount Avg CF:			**0.037347**	Linear:			

Analysis Report (B)

Injected on : Sep 17, 2017 17:36:00
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0006.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						27.91	4	40	
Aroclor-1221						20.30	3	40	
Aroclor-1232						10.27	4	40	
Aroclor-1242						11.95	4	40	
Aroclor-1248						** 102.36	4	40	
Aroclor-1254						34.47	4	40	
Aroclor-1260						9.71	4	40	
Aroclor-1262						32.92	4	40	
Aroclor-1268						8.12	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/17/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 21:24

Lab File ID: 07PCBS17250008.0026.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: AR164ZR Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	41.99	40.00	5
Decachlorobiphenyl	6.68	6.65	6.71	38.91	40.24	-3
Aroclor-1016	3.25	3.23	3.27	198.67	202.00	-2
	3.47	3.45	3.49	200.71	202.00	-1
	3.58	3.56	3.60	200.68	202.00	-1
	3.76	3.74	3.78	198.37	202.00	-2
	3.80	3.78	3.82	197.27	202.00	-2
	3.93	3.91	3.95	201.86	202.00	0
Aroclor-1260	4.84	4.82	4.86	189.98	201.64	-6
	5.04	5.02	5.06	188.07	201.64	-7
	5.24	5.23	5.27	187.63	201.64	-7
	5.47	5.45	5.49	194.74	201.64	-3
	5.71	5.69	5.73	193.90	201.64	-4
	5.91	5.89	5.93	182.92	201.64	-9

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/17/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 21:24

Lab File ID: 07PCBS17250008B.0026.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: AR164ZR Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	42.63	40.00	7
Decachlorobiphenyl	6.16	6.13	6.19	39.00	40.24	-3
Aroclor-1016	2.94	2.92	2.96	201.39	202.00	0
	3.14	3.12	3.16	206.32	202.00	2
	3.26	3.25	3.29	200.00	202.00	-1
	3.42	3.40	3.44	216.90	202.00	7
	3.46	3.44	3.48	200.25	202.00	-1
	3.59	3.57	3.61	193.65	202.00	-4
Aroclor-1260	4.37	4.35	4.39	191.90	201.64	-5
	4.51	4.49	4.53	193.25	201.64	-4
	4.61	4.60	4.64	191.95	201.64	-5
	4.74	4.72	4.76	188.55	201.64	-6
	5.16	5.14	5.18	193.54	201.64	-4
	5.42	5.40	5.44	193.07	201.64	-4

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKAB Sample ID: AB **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 17, 2017 21:35:33
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0027.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.207151
%SSR(DCB) : 97% (45-143) Conc.: 0.19565

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**65.04**	
3.23	3.25	3.27	5357.103	0.008149			1
3.78	3.79	3.82	2729.747	0.002962			5
+ 3.91	3.91	3.95	1034.353	0.001829			6
3.91	3.93	3.95	1612.561	0.002852			6
+ 3.91	3.94	3.95	1225.817	0.002168			6
Height Summation:			**9699.411**				
Amount Avg CF:			**0.004654**	Linear:			
Aroclor-1221					**2**	**137.08**	
3.18	3.20	3.22	112853.6	0.405323			2
3.23	3.25	3.27	5357.103	0.006317			3
Height Summation:			**118210.703**				
Amount Avg CF:			**0.20582**	Linear:			
Aroclor-1232					**3**	**8.49**	
3.23	3.25	3.27	5357.103	0.006946			1
3.78	3.79	3.82	2729.747	0.006042			5
+ 3.91	3.91	3.95	1034.353	0.004548			6
3.91	3.93	3.95	1612.561	0.007091			6
+ 3.91	3.94	3.95	1225.817	0.00539			6
Height Summation:			**9699.411**				
Amount Avg CF:			**0.006693**	Linear:			
Aroclor-1242					**3**	**64.46**	
3.23	3.25	3.27	5357.103	0.006086			1
3.78	3.79	3.82	2729.747	0.002141			5
+ 3.91	3.91	3.95	1034.353	0.001437			6
3.91	3.93	3.95	1612.561	0.002241			6
+ 3.91	3.94	3.95	1225.817	0.001703			6
Height Summation:			**9699.411**				
Amount Avg CF:			**0.003489**	Linear:			
Aroclor-1248					**5**	**62.34**	
3.78	3.79	3.82	2729.747	0.006008			1
3.84	3.84	3.88	997.9427	0.002065			2
+ 3.91	3.91	3.95	1034.353	0.001285			3
3.91	3.93	3.95	1612.561	0.002004			3
+ 3.91	3.94	3.95	1225.817	0.001523			3
+ 4.03	4.04	4.07	1393.765	0.001534			4
4.03	4.07	4.07	1948.385	0.002144			4
4.30	4.32	4.34	5630.349	0.006699			6
Height Summation:			**12918.9847**				
Amount Avg CF:			**0.003784**	Linear:			
Aroclor-1254					**1**		
4.29	4.32	4.32	5630.349	0.006213			1
Height Summation:			**5630.349**				
Amount Avg CF:			**0.006213**	Linear:			

Analysis Report (B)

Injected on : Sep 17, 2017 21:35:33
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0027.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 106% (53-140) Conc.: 0.21372
%SSR(DCB) : 97% (45-143) Conc.: 0.195802

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**37.29**	
3.12	3.16	3.16	5146.178	0.006016			2
3.40	3.42	3.44	2738.625	0.003022			4
3.44	3.46	3.48	2325.234	0.002732			5
3.57	3.60	3.61	3316.98	0.004732			6
Height Summation:			**13527.017**				
Amount Avg CF:			**0.004126**	Linear:			
Aroclor-1221					**2**	**132.82**	
2.80	2.82	2.84	5819.199	0.015885			1
2.86	2.87	2.90	116332.3	0.506261			2
Height Summation:			**122151.499**				
Amount Avg CF:			**0.261073**	Linear:			
Aroclor-1232					**4**	**36.97**	
3.12	3.16	3.16	5146.178	0.011916			2
3.40	3.42	3.44	2738.625	0.006567			4
3.44	3.46	3.48	2325.234	0.005476			5
3.57	3.60	3.61	3316.98	0.011254			6
Height Summation:			**13527.017**				
Amount Avg CF:			**0.008803**	Linear:			
Aroclor-1242					**4**	**61.79**	
3.12	3.16	3.16	5146.178	0.006813			2
3.40	3.42	3.44	2738.625	0.002081			4
3.44	3.46	3.48	2325.234	0.001974			5
3.57	3.60	3.61	3316.98	0.003743			6
Height Summation:			**13527.017**				
Amount Avg CF:			**0.003653**	Linear:			
Aroclor-1248					**2**	**70.93**	
3.44	3.46	3.48	2325.234	0.005965			1
3.90	3.91	3.94	2881.628	0.00198			6
Height Summation:			**5206.862**				
Amount Avg CF:			**0.003973**	Linear:			
Aroclor-1254					**3**	**30.04**	
4.26	4.27	4.30	3706.614	0.001816			2
4.42	4.44	4.46	1410.06	0.001119			4
4.72	4.74	4.76	2948.806	0.002097			6
Height Summation:			**8065.48**				
Amount Avg CF:			**0.001678**	Linear:			
Aroclor-1260					**4**	**49.10**	
4.49	4.51	4.53	2204.991	0.00129			2
4.72	4.74	4.76	2948.806	0.001768			4
5.14	5.16	5.18	3591	0.001667			5
5.40	5.42	5.44	4551.797	0.003569			6
Height Summation:			**13296.594**				
Amount Avg CF:			**0.002073**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKAB Sample ID: AB **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 17, 2017 21:35:33
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0027.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					3	62.49	
4.82	4.86	4.86	1120.12	0.00077			1
5.02	5.04	5.06	2066.999	0.001447			2
5.89	5.91	5.93	3561.481	0.002833			6
Height Summation:			6748.6				
Amount Avg CF:			0.001683	Linear:			
Aroclor-1262					3	28.76	
5.89	5.91	5.93	3561.481	0.002297			4
5.95	5.96	5.99	3106.183	0.003981			5
6.31	6.33	6.35	1942.211	0.002776			6
Height Summation:			8609.875				
Amount Avg CF:			0.003018	Linear:			
Aroclor-1268					6	166.24	
5.89	5.91	5.93	3561.481	0.00128			1
5.95	5.96	5.99	3106.183	0.001291			2
6.08	6.10	6.12	54715.32	0.023704			3
6.14	6.16	6.18	59577.08	0.098304			4
6.31	6.33	6.35	1942.211	0.00273			5
6.51	6.53	6.55	45288.71	0.009673			6
Height Summation:			168190.985				
Amount Avg CF:			0.022831	Linear:			

Analysis Report (B)

Injected on : Sep 17, 2017 21:35:33
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0027.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					3	38.56	
5.14	5.16	5.18	3591	0.001282			3
5.36	5.37	5.40	1657.995	0.001637			4
5.40	5.42	5.44	4551.797	0.002664			5
Height Summation:			9800.792				
Amount Avg CF:			0.001861	Linear:			
Aroclor-1268					5	154.54	
5.36	5.37	5.40	1657.995	0.000571			1
5.40	5.42	5.44	4551.797	0.001636			2
5.56	5.57	5.60	44250.21	0.019021			3
5.62	5.64	5.66	48461.75	0.085574			4
5.98	6.00	6.02	47633.91	0.008679			6
Height Summation:			146555.662				
Amount Avg CF:			0.023096	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						12.04	4	40	
Aroclor-1221						23.67	3	40	
Aroclor-1232						27.24	4	40	
Aroclor-1242						4.59	4	40	
Aroclor-1248						4.87	4	40	
Aroclor-1254						** 114.96	4	40	
Aroclor-1260						20.78	4	40	
Aroclor-1262						** 47.43	4	40	
Aroclor-1268						1.16	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/18/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:34

Lab File ID: 07PCBS17250008.0048.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: AR164ZS Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	40.40	40.00	1
Decachlorobiphenyl	6.68	6.65	6.71	39.34	40.24	-2
Aroclor-1016	3.25	3.23	3.27	193.35	202.00	-4
	3.47	3.45	3.49	207.91	202.00	3
	3.58	3.56	3.60	199.57	202.00	-1
	3.76	3.74	3.78	204.34	202.00	1
	3.80	3.78	3.82	199.47	202.00	-1
	3.93	3.91	3.95	197.93	202.00	-2
Aroclor-1260	4.84	4.82	4.86	196.39	201.64	-3
	5.04	5.02	5.06	193.99	201.64	-4
	5.25	5.23	5.27	189.60	201.64	-6
	5.47	5.45	5.49	198.89	201.64	-1
	5.71	5.69	5.73	195.79	201.64	-3
	5.91	5.89	5.93	174.45	201.64	-13

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/18/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:34

Lab File ID: 07PCBS17250008B.0048.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: AR164ZS Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	42.15	40.00	5
Decachlorobiphenyl	6.16	6.13	6.19	39.46	40.24	-2
Aroclor-1016	2.94	2.92	2.96	197.86	202.00	-2
	3.14	3.12	3.16	204.87	202.00	1
	3.26	3.25	3.29	203.37	202.00	1
	3.42	3.40	3.44	210.24	202.00	4
	3.46	3.44	3.48	195.56	202.00	-3
	3.59	3.57	3.61	197.20	202.00	-2
Aroclor-1260	4.37	4.35	4.39	196.39	201.64	-3
	4.51	4.49	4.53	188.57	201.64	-6
	4.61	4.60	4.64	183.65	201.64	-9
	4.74	4.72	4.76	184.26	201.64	-9
	5.16	5.14	5.18	195.91	201.64	-3
	5.42	5.40	5.44	193.06	201.64	-4

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKAC Sample ID: AC **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 01:46:04
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0049.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 98% (53-140) Conc.: 0.198283
%SSR(DCB) : 96% (45-143) Conc.: 0.194286

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	24.49	
3.78	3.79	3.82	3378.429	0.003665			5
3.91	3.92	3.95	1460.547	0.002583			6
Height Summation:			**4838.976**				
Amount Avg CF:			**0.003124**	Linear:			
Aroclor-1221					1		
3.18	3.20	3.22	112456.1	0.403895			2
Height Summation:			**112456.1**				
Amount Avg CF:			**0.403895**	Linear:			
Aroclor-1232					2	10.74	
3.78	3.79	3.82	3378.429	0.007478			5
3.91	3.92	3.95	1460.547	0.006422			6
Height Summation:			**4838.976**				
Amount Avg CF:			**0.00695**	Linear:			
Aroclor-1242					2	18.74	
3.78	3.79	3.82	3378.429	0.00265			5
3.91	3.92	3.95	1460.547	0.00203			6
Height Summation:			**4838.976**				
Amount Avg CF:			**0.00234**	Linear:			
Aroclor-1248					4	49.98	
3.78	3.79	3.82	3378.429	0.007435			1
3.84	3.84	3.88	2206.755	0.004565			2
+ 3.84	3.87	3.88	1505.061	0.003114			2
3.91	3.92	3.95	1460.547	0.001815			3
4.30	4.33	4.34	5977.911	0.007113			6
Height Summation:			**13023.642**				
Amount Avg CF:			**0.005232**	Linear:			
Aroclor-1260					3	34.17	
5.02	5.04	5.06	1961.123	0.001373			2
5.45	5.47	5.49	2190.544	0.00279			4
5.89	5.91	5.93	3279.321	0.002608			6
Height Summation:			**7430.988**				
Amount Avg CF:			**0.002257**	Linear:			
Aroclor-1262					4	36.74	
5.45	5.47	5.49	2190.544	0.002116			2
5.89	5.91	5.93	3279.321	0.002115			4
5.95	5.96	5.99	1353.106	0.001734			5
6.31	6.33	6.35	2611.754	0.003733			6
Height Summation:			**9434.725**				
Amount Avg CF:			**0.002425**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 01:46:04
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0049.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 104% (53-140) Conc.: 0.210139
%SSR(DCB) : 93% (45-143) Conc.: 0.188344

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	48.32	
3.12	3.16	3.16	4885.349	0.005711			2
3.44	3.47	3.48	1667.374	0.001959			5
3.57	3.60	3.61	2797.019	0.00399			6
Height Summation:			**9349.742**				
Amount Avg CF:			**0.003887**	Linear:			
Aroclor-1221					2	135.12	
2.80	2.81	2.84	4202.924	0.011473			1
2.86	2.87	2.90	115658.5	0.503329			2
Height Summation:			**119861.424**				
Amount Avg CF:			**0.257401**	Linear:			
Aroclor-1232					3	46.68	
3.12	3.16	3.16	4885.349	0.011312			2
3.44	3.47	3.48	1667.374	0.003926			5
3.57	3.60	3.61	2797.019	0.00949			6
Height Summation:			**9349.742**				
Amount Avg CF:			**0.008243**	Linear:			
Aroclor-1242					3	69.75	
3.12	3.16	3.16	4885.349	0.006468			2
3.44	3.47	3.48	1667.374	0.001415			5
3.57	3.60	3.61	2797.019	0.003156			6
Height Summation:			**9349.742**				
Amount Avg CF:			**0.00368**	Linear:			
Aroclor-1248					2	82.69	
3.44	3.47	3.48	1667.374	0.004278			1
3.90	3.91	3.94	1631.161	0.001121			6
Height Summation:			**3298.535**				
Amount Avg CF:			**0.002699**	Linear:			
Aroclor-1254					3	9.57	
4.26	4.27	4.30	3299.234	0.001617			2
4.42	4.45	4.46	1842.983	0.001462			4
4.72	4.74	4.76	2490.953	0.001772			6
Height Summation:			**7633.17**				
Amount Avg CF:			**0.001617**	Linear:			
Aroclor-1260					3	11.96	
4.60	4.61	4.64	2025.612	0.001465			3
4.72	4.74	4.76	2490.953	0.001493			4
5.14	5.15	5.18	2570.654	0.001194			5
Height Summation:			**7087.219**				
Amount Avg CF:			**0.001384**	Linear:			
Aroclor-1262					1		
5.14	5.15	5.18	2570.654	0.000918			3
Height Summation:			**2570.654**				
Amount Avg CF:			**0.000918**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKAC Sample ID: AC **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 01:46:04
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0049.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**174.03**	
5.89	5.91	5.93	3279.321	0.001179			1
5.95	5.98	5.99	1353.106	0.000563			2
6.08	6.10	6.12	70104.4	0.03037			3
6.14	6.16	6.18	80344.41	0.132571			4
6.31	6.33	6.35	2611.754	0.003672			5
6.51	6.53	6.55	45105.82	0.009634			6

Height Summation: **202798.811**
Amount Avg CF: **0.029665** Linear:

Analysis Report (B)

Injected on : Sep 18, 2017 01:46:04
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0049.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**3**	**114.69**	
5.56	5.57	5.60	58634.71	0.025204			3
5.62	5.64	5.66	62528.03	0.110412			4
5.98	6.00	6.02	43435.29	0.007914			6

Height Summation: **164598.03**
Amount Avg CF: **0.047843** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						21.75	4	40	
Aroclor-1221						** 44.31	3	40	
Aroclor-1232						17.02	4	40	
Aroclor-1242						** 44.53	4	40	
Aroclor-1248						** 63.87	4	40	
Aroclor-1254							4	40	
Aroclor-1260						** 47.96	4	40	
Aroclor-1262						** 90.15	4	40	
Aroclor-1268						** 46.91	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/18/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 5:46

Lab File ID: 07PCBS17250008.0070.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: AR164ZT Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	42.03	40.00	5
Decachlorobiphenyl	6.68	6.65	6.71	37.75	40.24	-6
Aroclor-1016	3.25	3.23	3.27	194.50	202.00	-4
	3.47	3.45	3.49	194.62	202.00	-4
	3.58	3.56	3.60	201.02	202.00	0
	3.76	3.74	3.78	217.01	202.00	7
	3.80	3.78	3.82	195.77	202.00	-3
	3.93	3.91	3.95	192.57	202.00	-5
Aroclor-1260	4.84	4.82	4.86	191.35	201.64	-5
	5.04	5.02	5.06	195.67	201.64	-3
	5.24	5.23	5.27	190.23	201.64	-6
	5.47	5.45	5.49	204.71	201.64	2
	5.71	5.69	5.73	194.11	201.64	-4
	5.91	5.89	5.93	179.56	201.64	-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: 19843B Date Analyzed: 09/18/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 5:46

Lab File ID: 07PCBS17250008B.0070.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: AR164ZT Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	42.62	40.00	7
Decachlorobiphenyl	6.16	6.13	6.19	38.27	40.24	-5
Aroclor-1016	2.94	2.92	2.96	202.81	202.00	0
	3.14	3.12	3.16	206.86	202.00	2
	3.26	3.25	3.29	199.35	202.00	-1
	3.42	3.40	3.44	198.12	202.00	-2
	3.45	3.44	3.48	193.66	202.00	-4
	3.59	3.57	3.61	192.52	202.00	-5
Aroclor-1260	4.37	4.35	4.39	198.17	201.64	-2
	4.51	4.49	4.53	188.09	201.64	-7
	4.61	4.60	4.64	184.57	201.64	-8
	4.74	4.72	4.76	185.41	201.64	-8
	5.16	5.14	5.18	190.20	201.64	-6
	5.42	5.40	5.44	197.63	201.64	-2

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKAD Sample ID: AD **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 05:57:43
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0071.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 104% (53-140) Conc.: 0.208826
%SSR(DCB) : 91% (45-143) Conc.: 0.184229

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**21.04**	
3.23	3.26	3.27	2261.462	0.00344			1
3.45	3.45	3.49	1862.075	0.002767			2
3.78	3.80	3.82	4244.333	0.004605			5
+ 3.91	3.92	3.95	676.2397	0.001196			6
3.91	3.93	3.95	2048.435	0.003623			6
Height Summation:			**10416.305**				
Amount Avg CF:			**0.003609**	Linear:			
Aroclor-1221					**3**	**166.42**	
3.13	3.13	3.17	2711.672	0.008909			1
3.18	3.20	3.22	119962	0.430853			2
3.23	3.26	3.27	2261.462	0.002667			3
Height Summation:			**124935.134**				
Amount Avg CF:			**0.147476**	Linear:			
Aroclor-1232					**4**	**44.74**	
3.23	3.26	3.27	2261.462	0.002932			1
3.45	3.45	3.49	1862.075	0.005782			2
3.78	3.80	3.82	4244.333	0.009395			5
+ 3.91	3.92	3.95	676.2397	0.002974			6
3.91	3.93	3.95	2048.435	0.009007			6
Height Summation:			**10416.305**				
Amount Avg CF:			**0.006779**	Linear:			
Aroclor-1242					**4**	**18.90**	
3.23	3.26	3.27	2261.462	0.002569			1
3.45	3.45	3.49	1862.075	0.002104			2
3.78	3.80	3.82	4244.333	0.003329			5
+ 3.91	3.92	3.95	676.2397	0.00094			6
3.91	3.93	3.95	2048.435	0.002846			6
Height Summation:			**10416.305**				
Amount Avg CF:			**0.002712**	Linear:			
Aroclor-1248					**5**	**63.01**	
3.78	3.80	3.82	4244.333	0.009341			1
3.84	3.85	3.88	2261.178	0.004678			2
+ 3.84	3.86	3.88	1578.3	0.003265			2
+ 3.84	3.87	3.88	1840.457	0.003808			2
+ 3.91	3.92	3.95	676.2397	0.00084			3
3.91	3.93	3.95	2048.435	0.002545			3
4.03	4.05	4.07	1473.16	0.001621			4
4.30	4.33	4.34	5765.195	0.00686			6
Height Summation:			**15792.301**				
Amount Avg CF:			**0.005009**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 05:57:43
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0071.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 105% (53-140) Conc.: 0.212133
%SSR(DCB) : 91% (45-143) Conc.: 0.184693

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**31.42**	
3.12	3.15	3.16	2818.297	0.003295			2
3.40	3.42	3.44	4998.332	0.005516			4
3.57	3.59	3.61	4471.444	0.006379			6
Height Summation:			**12288.073**				
Amount Avg CF:			**0.005063**	Linear:			
Aroclor-1221					**2**	**137.84**	
2.80	2.82	2.84	2422.729	0.006613			1
2.86	2.87	2.90	118420.1	0.515347			2
Height Summation:			**120842.829**				
Amount Avg CF:			**0.26098**	Linear:			
Aroclor-1232					**3**	**38.94**	
3.12	3.15	3.16	2818.297	0.006526			2
3.40	3.42	3.44	4998.332	0.011986			4
3.57	3.59	3.61	4471.444	0.015171			6
Height Summation:			**12288.073**				
Amount Avg CF:			**0.011228**	Linear:			
Aroclor-1242					**3**	**17.66**	
3.12	3.15	3.16	2818.297	0.003731			2
3.40	3.42	3.44	4998.332	0.003799			4
3.57	3.59	3.61	4471.444	0.005046			6
Height Summation:			**12288.073**				
Amount Avg CF:			**0.004192**	Linear:			
Aroclor-1248					**2**	**35.62**	
3.76	3.78	3.80	2995.496	0.003916			5
3.90	3.92	3.94	3405.344	0.00234			6
Height Summation:			**6400.84**				
Amount Avg CF:			**0.003128**	Linear:			
Aroclor-1254					**5**	**14.34**	
4.26	4.28	4.30	5936.167	0.002909			2
4.35	4.37	4.39	3729.757	0.003891			3
4.42	4.44	4.46	4883.006	0.003874			4
4.64	4.66	4.68	2662.035	0.003			5
4.72	4.74	4.76	5403.846	0.003844			6
Height Summation:			**22614.811**				
Amount Avg CF:			**0.003504**	Linear:			
Aroclor-1260					**6**	**25.16**	
4.35	4.37	4.39	3729.757	0.002503			1
4.49	4.51	4.53	4492.028	0.002628			2
4.60	4.61	4.64	3757.418	0.002718			3
4.72	4.74	4.76	5403.846	0.003239			4
5.14	5.16	5.18	4319.834	0.002006			5
5.40	5.42	5.44	5220.438	0.004093			6
Height Summation:			**26923.321**				
Amount Avg CF:			**0.002864**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKAD Sample ID: AD **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 05:57:43
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0071.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**4**	**36.40**	
4.69	4.72	4.73	3445.068	0.001694			3
4.91	4.93	4.95	4604.719	0.003705			4
+ 4.91	4.95	4.95	1887.562	0.001519			4
5.11	5.13	5.15	1673.594	0.002353			5
5.23	5.24	5.27	3626.199	0.003882			6
Height Summation:			**13349.58**				
Amount Avg CF:			**0.002908**	Linear:			
Aroclor-1260					**4**	**31.81**	
4.82	4.84	4.86	2949.584	0.002027			1
5.02	5.04	5.06	6085.721	0.00426			2
5.23	5.24	5.27	3626.199	0.002675			3
5.89	5.91	5.93	4694.702	0.003734			6
Height Summation:			**17356.206**				
Amount Avg CF:			**0.003174**	Linear:			
Aroclor-1262					**3**	**50.64**	
5.89	5.91	5.93	4694.702	0.003028			4
5.95	5.96	5.99	5530.71	0.007089			5
6.31	6.33	6.35	2317.281	0.003312			6
Height Summation:			**12542.693**				
Amount Avg CF:			**0.004476**	Linear:			
Aroclor-1268					**6**	**172.63**	
5.89	5.91	5.93	4694.702	0.001688			1
5.95	5.96	5.99	5530.71	0.002299			2
6.08	6.10	6.12	79646.41	0.034504			3
6.14	6.16	6.18	89109.67	0.147034			4
6.31	6.33	6.35	2317.281	0.003258			5
6.51	6.53	6.55	46543.31	0.009941			6
Height Summation:			**227842.083**				
Amount Avg CF:			**0.033121**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 05:57:43
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0071.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**28.42**	
4.95	4.96	4.99	3183.582	0.002097			2
5.14	5.16	5.18	4319.834	0.001542			3
5.36	5.37	5.40	2157.378	0.00213			4
5.40	5.42	5.44	5220.438	0.003055			5
Height Summation:			**14881.232**				
Amount Avg CF:			**0.002206**	Linear:			
Aroclor-1268					**5**	**160.83**	
5.36	5.37	5.40	2157.378	0.000743			1
5.40	5.42	5.44	5220.438	0.001876			2
5.56	5.57	5.60	60442.78	0.025981			3
5.62	5.64	5.66	67842.15	0.119795			4
5.98	6.00	6.02	46378.73	0.00845			6
Height Summation:			**182041.476**				
Amount Avg CF:			**0.031369**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						33.54	4	40	
Aroclor-1221						** 55.58	3	40	
Aroclor-1232						** 49.41	4	40	
Aroclor-1242						** 42.87	4	40	
Aroclor-1248						** 46.24	4	40	
Aroclor-1254						18.56	4	40	
Aroclor-1260						10.25	4	40	
Aroclor-1262						** 67.94	4	40	
Aroclor-1268						5.43	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/15/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 13:40

Lab File ID: 07PCBS17250007.0028.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: AR164ZC Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	40.31	40.00	1
Decachlorobiphenyl	6.68	6.65	6.71	36.42	40.24	-9
Aroclor-1016	3.25	3.23	3.27	195.64	202.00	-3
	3.47	3.45	3.49	199.45	202.00	-1
	3.58	3.56	3.60	200.17	202.00	-1
	3.76	3.74	3.78	188.15	202.00	-7
	3.80	3.78	3.82	199.60	202.00	-1
	3.93	3.91	3.95	198.10	202.00	-2
Aroclor-1260	4.84	4.82	4.86	190.32	201.64	-6
	5.04	5.02	5.06	184.79	201.64	-8
	5.25	5.23	5.27	188.71	201.64	-6
	5.47	5.45	5.49	198.91	201.64	-1
	5.71	5.69	5.73	181.27	201.64	-10
	5.91	5.89	5.93	182.51	201.64	-9

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/15/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 13:40

Lab File ID: 07PCBS17250007B.0028.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: AR164ZC Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	43.77	40.00	9
Decachlorobiphenyl	6.16	6.13	6.19	39.04	40.24	-3
Aroclor-1016	2.94	2.92	2.96	205.66	202.00	2
	3.14	3.12	3.16	205.73	202.00	2
	3.26	3.25	3.29	203.28	202.00	1
	3.42	3.40	3.44	214.86	202.00	6
	3.46	3.44	3.48	200.79	202.00	-1
	3.59	3.57	3.61	203.10	202.00	1
Aroclor-1260	4.37	4.35	4.39	199.54	201.64	-1
	4.51	4.49	4.53	187.94	201.64	-7
	4.61	4.60	4.64	193.71	201.64	-4
	4.74	4.72	4.76	188.06	201.64	-7
	5.16	5.14	5.18	193.90	201.64	-4
	5.42	5.40	5.44	195.77	201.64	-3

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZI ID: ZI **Batchnumber: 1725799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 15, 2017 13:51:31
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0029.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 97% (53-140) Conc.: 0.195729
%SSR(DCB) : 84% (45-143) Conc.: 0.169322

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**35.33**	
3.45	3.46	3.49	2616.012	0.003887			2
3.91	3.91	3.95	1319.209	0.002333			6
+ 3.91	3.94	3.95	1254.354	0.002219			6
+ 3.91	3.95	3.95	956.6694	0.001692			6
Height Summation:			**3935.221**				
Amount Avg CF:			**0.00311**	Linear:			
Aroclor-1221					**1**		
3.18	3.20	3.22	114855.8	0.412514			2
Height Summation:			**114855.8**				
Amount Avg CF:			**0.412514**	Linear:			
Aroclor-1232					**2**	**23.58**	
3.45	3.46	3.49	2616.012	0.008123			2
3.91	3.91	3.95	1319.209	0.005801			6
+ 3.91	3.94	3.95	1254.354	0.005516			6
+ 3.91	3.95	3.95	956.6694	0.004207			6
Height Summation:			**3935.221**				
Amount Avg CF:			**0.006962**	Linear:			
Aroclor-1242					**2**	**33.16**	
3.45	3.46	3.49	2616.012	0.002956			2
3.91	3.91	3.95	1319.209	0.001833			6
+ 3.91	3.94	3.95	1254.354	0.001743			6
+ 3.91	3.95	3.95	956.6694	0.001329			6
Height Summation:			**3935.221**				
Amount Avg CF:			**0.002395**	Linear:			
Aroclor-1248					**3**	**75.20**	
+ 3.84	3.86	3.88	976.7563	0.002021			2
3.84	3.88	3.88	1309.481	0.002709			2
3.91	3.91	3.95	1319.209	0.001639			3
+ 3.91	3.94	3.95	1254.354	0.001559			3
+ 3.91	3.95	3.95	956.6694	0.001189			3
4.30	4.33	4.34	5902.523	0.007023			6
Height Summation:			**8531.213**				
Amount Avg CF:			**0.00379**	Linear:			
Aroclor-1254					**1**		
5.11	5.13	5.15	1526.583	0.002147			5
Height Summation:			**1526.583**				
Amount Avg CF:			**0.002147**	Linear:			
Aroclor-1260					**3**	**21.26**	
5.02	5.05	5.06	2936.967	0.002056			2
5.45	5.47	5.49	2040.306	0.002599			4
5.89	5.91	5.93	3978.036	0.003164			6
Height Summation:			**8955.309**				
Amount Avg CF:			**0.002606**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 13:51:31
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0029.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.206852
%SSR(DCB) : 93% (45-143) Conc.: 0.187091

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**46.69**	
3.12	3.16	3.16	6451.687	0.007543			2
3.44	3.47	3.48	2538.134	0.002982			5
3.57	3.60	3.61	3112.59	0.00444			6
Height Summation:			**12102.411**				
Amount Avg CF:			**0.004988**	Linear:			
Aroclor-1221					**2**	**130.77**	
2.80	2.82	2.84	7158.606	0.019541			1
2.86	2.87	2.90	114770.4	0.499464			2
Height Summation:			**121929.006**				
Amount Avg CF:			**0.259503**	Linear:			
Aroclor-1232					**3**	**42.71**	
3.12	3.16	3.16	6451.687	0.014939			2
3.44	3.47	3.48	2538.134	0.005977			5
3.57	3.60	3.61	3112.59	0.010561			6
Height Summation:			**12102.411**				
Amount Avg CF:			**0.010492**	Linear:			
Aroclor-1242					**3**	**71.04**	
3.12	3.16	3.16	6451.687	0.008542			2
3.44	3.47	3.48	2538.134	0.002155			5
3.57	3.60	3.61	3112.59	0.003513			6
Height Summation:			**12102.411**				
Amount Avg CF:			**0.004736**	Linear:			
Aroclor-1248					**3**	**57.82**	
3.44	3.47	3.48	2538.134	0.006511			1
3.51	3.54	3.55	1756.688	0.003287			2
3.90	3.92	3.94	3030.771	0.002083			6
Height Summation:			**7325.593**				
Amount Avg CF:			**0.003961**	Linear:			
Aroclor-1254					**3**	**29.76**	
4.26	4.28	4.30	2258.245	0.001107			2
4.35	4.38	4.39	1910.548	0.001993			3
4.64	4.67	4.68	1735.903	0.001956			5
Height Summation:			**5904.696**				
Amount Avg CF:			**0.001685**	Linear:			
Aroclor-1260					**2**	**59.27**	
4.35	4.38	4.39	1910.548	0.001282			1
5.40	5.42	5.44	3994.616	0.003132			6
Height Summation:			**5905.164**				
Amount Avg CF:			**0.002207**	Linear:			
Aroclor-1262					**2**	**10.14**	
5.36	5.38	5.40	2051.253	0.002025			4
5.40	5.42	5.44	3994.616	0.002338			5
Height Summation:			**6045.869**				
Amount Avg CF:			**0.002181**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZI ID: ZI **Batchnumber: 1725799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 15, 2017 13:51:31
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0029.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**33.19**	
5.45	5.47	5.49	2040.306	0.001971			2
5.89	5.91	5.93	3978.036	0.002565			4
5.95	5.96	5.99	2945.306	0.003775			5
Height Summation:			**8963.648**				
Amount Avg CF:			**0.00277**	Linear:			
Aroclor-1268					**5**	**162.79**	
5.89	5.91	5.93	3978.036	0.00143			1
5.95	5.96	5.99	2945.306	0.001225			2
6.08	6.10	6.12	95015.71	0.041163			3
6.14	6.17	6.18	108604.1	0.1792			4
6.51	6.54	6.55	47331.93	0.01011			6
Height Summation:			**257875.082**				
Amount Avg CF:			**0.046625**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 13:51:31
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0029.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**165.22**	
5.36	5.38	5.40	2051.253	0.000707			1
5.40	5.42	5.44	3994.616	0.001436			2
5.56	5.58	5.60	76796.07	0.033011			3
5.62	5.65	5.66	88833.77	0.156862			4
5.98	6.00	6.02	50538.11	0.009208			6
Height Summation:			**222213.819**				
Amount Avg CF:			**0.040245**	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		** 46.38	4	40	
Aroclor-1221			17	4.6		** 45.54	3	40	
Aroclor-1232			17	8		** 40.46	4	40	
Aroclor-1242			17	3.3		** 65.68	4	40	
Aroclor-1248			17	3.3		4.39	4	40	
Aroclor-1254			17	3.3		24.07	4	40	
Aroclor-1260			17	4.9		16.59	4	40	
Aroclor-1262			17	3.3		23.79	4	40	
Aroclor-1268			17	3.3		14.69	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/15/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 17:52

Lab File ID: 07PCBS17250007.0050.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: AR164ZD Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	39.62	40.00	-1
Decachlorobiphenyl	6.68	6.65	6.71	36.28	40.24	-10
Aroclor-1016	3.25	3.23	3.27	191.87	202.00	-5
	3.47	3.45	3.49	201.83	202.00	0
	3.58	3.56	3.60	198.23	202.00	-2
	3.76	3.74	3.78	206.20	202.00	2
	3.80	3.78	3.82	196.18	202.00	-3
	3.93	3.91	3.95	198.38	202.00	-2
Aroclor-1260	4.84	4.82	4.86	189.50	201.64	-6
	5.04	5.02	5.06	186.92	201.64	-7
	5.25	5.23	5.27	186.79	201.64	-7
	5.47	5.45	5.49	200.70	201.64	0
	5.71	5.69	5.73	185.63	201.64	-8
	5.91	5.89	5.93	177.94	201.64	-12

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/15/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 17:52

Lab File ID: 07PCBS17250007B.0050.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: AR164ZD Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	43.01	40.00	8
Decachlorobiphenyl	6.16	6.13	6.19	39.15	40.24	-3
Aroclor-1016	2.94	2.92	2.96	208.88	202.00	3
	3.14	3.12	3.16	208.66	202.00	3
	3.26	3.25	3.29	201.62	202.00	0
	3.42	3.40	3.44	194.14	202.00	-4
	3.46	3.44	3.48	199.59	202.00	-1
	3.59	3.57	3.61	197.72	202.00	-2
Aroclor-1260	4.37	4.35	4.39	194.05	201.64	-4
	4.51	4.49	4.53	182.89	201.64	-9
	4.61	4.60	4.64	184.63	201.64	-8
	4.74	4.72	4.76	189.42	201.64	-6
	5.16	5.14	5.18	190.87	201.64	-5
	5.42	5.40	5.44	197.64	201.64	-2

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZK ID: ZK **Batchnumber: 1725799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 15, 2017 18:03:31
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0051.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 98% (53-140) Conc.: 0.197148
%SSR(DCB) : 89% (45-143) Conc.: 0.180241

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**46.30**	
3.23	3.26	3.27	5236.268	0.007965			1
3.78	3.80	3.82	3704.82	0.004019			5
3.91	3.92	3.95	2038.603	0.003606			6
+ 3.91	3.94	3.95	1135.561	0.002008			6
Height Summation:			**10979.691**				
Amount Avg CF:				**0.005197** Linear:			
Aroclor-1221					**2**	**137.25**	
3.18	3.20	3.22	114924.1	0.412759			2
3.23	3.26	3.27	5236.268	0.006174			3
Height Summation:			**120160.368**				
Amount Avg CF:				**0.209467** Linear:			
Aroclor-1232					**3**	**13.82**	
3.23	3.26	3.27	5236.268	0.006789			1
3.78	3.80	3.82	3704.82	0.008201			5
3.91	3.92	3.95	2038.603	0.008964			6
+ 3.91	3.94	3.95	1135.561	0.004993			6
Height Summation:			**10979.691**				
Amount Avg CF:				**0.007985** Linear:			
Aroclor-1242					**3**	**45.64**	
3.23	3.26	3.27	5236.268	0.005948			1
3.78	3.80	3.82	3704.82	0.002906			5
3.91	3.92	3.95	2038.603	0.002833			6
+ 3.91	3.94	3.95	1135.561	0.001578			6
Height Summation:			**10979.691**				
Amount Avg CF:				**0.003896** Linear:			
Aroclor-1248					**5**	**75.76**	
3.78	3.80	3.82	3704.82	0.008154			1
3.84	3.85	3.88	1151.861	0.002383			2
3.91	3.92	3.95	2038.603	0.002533			3
+ 3.91	3.94	3.95	1135.561	0.001411			3
4.03	4.04	4.07	1169.712	0.001287			4
4.30	4.33	4.34	2806.34	0.003339			6
Height Summation:			**10871.336**				
Amount Avg CF:				**0.003539** Linear:			
Aroclor-1254					**3**	**74.52**	
4.29	4.29	4.32	6660.617	0.00735			1
5.11	5.14	5.15	1317.685	0.001853			5
5.23	5.25	5.27	2528.684	0.002707			6
Height Summation:			**10506.986**				
Amount Avg CF:				**0.00397** Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 18:03:31
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0051.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 106% (53-140) Conc.: 0.214073
%SSR(DCB) : 95% (45-143) Conc.: 0.192106

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**45.86**	
3.12	3.16	3.16	6065.559	0.007091			2
3.44	3.47	3.48	2860.568	0.003361			5
3.57	3.60	3.61	2423.662	0.003457			6
Height Summation:			**11349.789**				
Amount Avg CF:				**0.004637** Linear:			
Aroclor-1221					**2**	**131.69**	
2.80	2.82	2.84	6559.95	0.017907			1
2.86	2.87	2.90	115458.9	0.50246			2
Height Summation:			**122018.85**				
Amount Avg CF:				**0.260184** Linear:			
Aroclor-1232					**3**	**39.95**	
3.12	3.16	3.16	6065.559	0.014045			2
3.44	3.47	3.48	2860.568	0.006736			5
3.57	3.60	3.61	2423.662	0.008223			6
Height Summation:			**11349.789**				
Amount Avg CF:				**0.009668** Linear:			
Aroclor-1242					**3**	**71.62**	
3.12	3.16	3.16	6065.559	0.008031			2
3.44	3.47	3.48	2860.568	0.002428			5
3.57	3.60	3.61	2423.662	0.002735			6
Height Summation:			**11349.789**				
Amount Avg CF:				**0.004398** Linear:			
Aroclor-1248					**3**	**64.04**	
3.44	3.47	3.48	2860.568	0.007339			1
3.51	3.54	3.55	1831.643	0.003428			2
3.90	3.92	3.94	3001.653	0.002063			6
Height Summation:			**7693.864**				
Amount Avg CF:				**0.004276** Linear:			
Aroclor-1254					**1**		
4.26	4.28	4.30	2247.976	0.001102			2
Height Summation:			**2247.976**				
Amount Avg CF:				**0.001102** Linear:			
Aroclor-1260					**3**	**47.66**	
4.60	4.61	4.64	3375.562	0.002442			3
5.14	5.16	5.18	3218.767	0.001494			5
5.40	5.42	5.44	5087.209	0.003989			6
Height Summation:			**11681.538**				
Amount Avg CF:				**0.002642** Linear:			
Aroclor-1262					**5**	**31.04**	
4.95	4.96	4.99	3350.128	0.002207			2
5.14	5.16	5.18	3218.767	0.001149			3
5.36	5.38	5.40	2324.248	0.002295			4
5.40	5.42	5.44	5087.209	0.002977			5
5.78	5.80	5.82	2016.687	0.002758			6
Height Summation:			**15997.039**				
Amount Avg CF:				**0.002277** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZK ID: ZK **Batchnumber: 1725799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 15, 2017 18:03:31
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0051.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**4**	**58.09**	
5.02	5.05	5.06	1431.044	0.001002			2
5.23	5.25	5.27	2528.684	0.001865			3
5.45	5.47	5.49	2034.784	0.002592			4
5.89	5.91	5.93	5477.34	0.004357			6
Height Summation:			**11471.852**				
Amount Avg CF:			**0.002454**	Linear:			
Aroclor-1262					**3**	**36.77**	
5.45	5.47	5.49	2034.784	0.001965			2
5.89	5.91	5.93	5477.34	0.003532			4
5.95	5.96	5.99	3382.218	0.004335			5
Height Summation:			**10894.342**				
Amount Avg CF:			**0.003278**	Linear:			
Aroclor-1268					**5**	**161.66**	
5.89	5.91	5.93	5477.34	0.001969			1
5.95	5.96	5.99	3382.218	0.001406			2
6.08	6.10	6.12	108178.7	0.046865			3
6.14	6.16	6.18	119477.7	0.197142			4
6.51	6.54	6.55	50229.01	0.010728			6
Height Summation:			**286744.968**				
Amount Avg CF:			**0.051622**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 18:03:31
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0051.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**181.69**	
5.36	5.38	5.40	2324.248	0.000801			1
5.40	5.42	5.44	5087.209	0.001828			2
5.56	5.58	5.60	86093.7	0.037007			3
5.62	5.64	5.66	99975.91	0.176537			4
5.78	5.80	5.82	2016.687	0.002529			5
5.98	6.00	6.02	53764.52	0.009796			6
Height Summation:			**249262.274**				
Amount Avg CF:			**0.038083**	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		11.39	4	40	
Aroclor-1221			17	4.6		21.60	3	40	
Aroclor-1232			17	8		19.07	4	40	
Aroclor-1242			17	3.3		12.11	4	40	
Aroclor-1248			17	3.3		18.86	4	40	
Aroclor-1254			17	3.3		** 113.11	4	40	
Aroclor-1260			17	4.9		7.37	4	40	
Aroclor-1262			17	3.3		36.02	4	40	
Aroclor-1268			17	3.3		30.19	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/15/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 22:04

Lab File ID: 07PCBS17250007.0072.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: AR164ZE Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	41.86	40.00	5
Decachlorobiphenyl	6.68	6.65	6.71	36.86	40.24	-8
Aroclor-1016	3.25	3.23	3.27	198.64	202.00	-2
	3.47	3.45	3.49	204.36	202.00	1
	3.58	3.56	3.60	202.61	202.00	0
	3.76	3.74	3.78	211.35	202.00	5
	3.80	3.78	3.82	192.56	202.00	-5
	3.93	3.91	3.95	193.93	202.00	-4
Aroclor-1260	4.84	4.82	4.86	188.90	201.64	-6
	5.04	5.02	5.06	183.10	201.64	-9
	5.25	5.23	5.27	185.76	201.64	-8
	5.47	5.45	5.49	199.22	201.64	-1
	5.71	5.69	5.73	186.71	201.64	-7
	5.91	5.89	5.93	181.64	201.64	-10

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/15/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 22:04

Lab File ID: 07PCBS17250007B.0072.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: AR164ZE Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	42.53	40.00	6
Decachlorobiphenyl	6.16	6.13	6.19	35.78	40.24	-11
Aroclor-1016	2.94	2.92	2.96	208.68	202.00	3
	3.14	3.12	3.16	207.84	202.00	3
	3.26	3.25	3.29	200.36	202.00	-1
	3.42	3.40	3.44	197.95	202.00	-2
	3.46	3.44	3.48	193.94	202.00	-4
	3.59	3.57	3.61	189.82	202.00	-6
Aroclor-1260	4.37	4.35	4.39	197.89	201.64	-2
	4.51	4.49	4.53	185.45	201.64	-8
	4.61	4.60	4.64	179.60	201.64	-11
	4.74	4.72	4.76	175.81	201.64	-13
	5.16	5.14	5.18	191.03	201.64	-5
	5.42	5.40	5.44	189.13	201.64	-6

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZL ID: ZL **Batchnumber: 1725799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 15, 2017 22:16:08
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0073.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 99% (53-140) Conc.: 0.200481
%SSR(DCB) : 88% (45-143) Conc.: 0.178174

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**29.06**	
3.78	3.80	3.82	3243.482	0.003519			5
+ 3.91	3.91	3.95	1023.443	0.00181			6
3.91	3.93	3.95	1311.231	0.002319			6
Height Summation:			**4554.713**				
Amount Avg CF:			**0.002919**	Linear:			
Aroclor-1221					**1**		
3.18	3.20	3.22	114215.1	0.410213			2
Height Summation:			**114215.1**				
Amount Avg CF:			**0.410213**	Linear:			
Aroclor-1232					**2**	**15.45**	
3.78	3.80	3.82	3243.482	0.00718			5
+ 3.91	3.91	3.95	1023.443	0.0045			6
3.91	3.93	3.95	1311.231	0.005766			6
Height Summation:			**4554.713**				
Amount Avg CF:			**0.006473**	Linear:			
Aroclor-1242					**2**	**23.38**	
3.78	3.80	3.82	3243.482	0.002544			5
+ 3.91	3.91	3.95	1023.443	0.001422			6
3.91	3.93	3.95	1311.231	0.001822			6
Height Summation:			**4554.713**				
Amount Avg CF:			**0.002183**	Linear:			
Aroclor-1248					**5**	**55.39**	
3.78	3.80	3.82	3243.482	0.007138			1
3.84	3.84	3.88	2212.992	0.004578			2
+ 3.84	3.87	3.88	943.8559	0.001953			2
+ 3.91	3.91	3.95	1023.443	0.001272			3
3.91	3.93	3.95	1311.231	0.001629			3
4.12	4.13	4.16	1657.472	0.002107			5
4.30	4.33	4.34	3874.641	0.00461			6
Height Summation:			**12299.818**				
Amount Avg CF:			**0.004012**	Linear:			
Aroclor-1254					**4**	**54.76**	
4.69	4.70	4.73	1666.57	0.00082			3
4.91	4.92	4.95	972.9163	0.000783			4
5.11	5.12	5.15	1394.005	0.00196			5
5.23	5.25	5.27	2242.273	0.0024			6
Height Summation:			**6275.7643**				
Amount Avg CF:			**0.001491**	Linear:			
Aroclor-1260					**5**	**45.06**	
4.82	4.84	4.86	3448.294	0.002369			1
5.02	5.05	5.06	2501.048	0.001751			2
5.23	5.25	5.27	2242.273	0.001654			3
5.45	5.46	5.49	1867.693	0.002379			4
5.89	5.91	5.93	5615.998	0.004467			6
Height Summation:			**15675.306**				
Amount Avg CF:			**0.002524**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 22:16:08
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0073.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 102% (53-140) Conc.: 0.205331
%SSR(DCB) : 90% (45-143) Conc.: 0.18227

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**31.29**	
3.12	3.16	3.16	3949.571	0.004617			2
3.40	3.42	3.44	4252.574	0.004693			4
3.44	3.46	3.48	1805.794	0.002122			5
3.57	3.60	3.61	3187.258	0.004547			6
Height Summation:			**13195.197**				
Amount Avg CF:			**0.003995**	Linear:			
Aroclor-1221					**2**	**134.76**	
2.80	2.82	2.84	4318.484	0.011788			1
2.86	2.87	2.90	112337	0.488874			2
Height Summation:			**116655.484**				
Amount Avg CF:			**0.250331**	Linear:			
Aroclor-1232					**4**	**34.65**	
3.12	3.16	3.16	3949.571	0.009145			2
3.40	3.42	3.44	4252.574	0.010198			4
3.44	3.46	3.48	1805.794	0.004252			5
3.57	3.60	3.61	3187.258	0.010814			6
Height Summation:			**13195.197**				
Amount Avg CF:			**0.008602**	Linear:			
Aroclor-1242					**4**	**44.63**	
3.12	3.16	3.16	3949.571	0.005229			2
3.40	3.42	3.44	4252.574	0.003232			4
3.44	3.46	3.48	1805.794	0.001533			5
3.57	3.60	3.61	3187.258	0.003597			6
Height Summation:			**13195.197**				
Amount Avg CF:			**0.003398**	Linear:			
Aroclor-1248					**2**	**52.01**	
3.44	3.46	3.48	1805.794	0.004633			1
3.90	3.92	3.94	3116.099	0.002141			6
Height Summation:			**4921.893**				
Amount Avg CF:			**0.003387**	Linear:			
Aroclor-1254					**3**	**14.15**	
4.26	4.27	4.30	4704.718	0.002306			2
4.35	4.38	4.39	2015.902	0.002103			3
4.64	4.67	4.68	2452.127	0.002763			5
Height Summation:			**9172.747**				
Amount Avg CF:			**0.002391**	Linear:			
Aroclor-1260					**3**	**33.23**	
4.35	4.38	4.39	2015.902	0.001353			1
4.60	4.61	4.64	3347.1	0.002421			3
5.14	5.16	5.18	3198.729	0.001485			5
Height Summation:			**8561.731**				
Amount Avg CF:			**0.001753**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZL ID: ZL **Batchnumber: 1725799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 15, 2017 22:16:08
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0073.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**76.89**	
5.29	5.33	5.33	1104.418	0.000948			1
5.45	5.46	5.49	1867.693	0.001804			2
5.89	5.91	5.93	5615.998	0.003622			4
5.95	5.96	5.99	5130.519	0.006576			5
Height Summation:			**13718.628**				
Amount Avg CF:				**0.003237**	Linear:		
Aroclor-1268					**5**	**162.14**	
5.89	5.91	5.93	5615.998	0.002019			1
5.95	5.96	5.99	5130.519	0.002133			2
6.08	6.10	6.12	108070.7	0.046818			3
6.14	6.16	6.18	121339.7	0.200215			4
6.51	6.53	6.55	47557.39	0.010158			6
Height Summation:			**287714.307**				
Amount Avg CF:				**0.052268**	Linear:		

Analysis Report (B)

Injected on : Sep 15, 2017 22:16:08
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0073.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**36.41**	
4.95	4.97	4.99	3148.779	0.002074			2
5.14	5.16	5.18	3198.729	0.001142			3
5.36	5.39	5.40	1611.303	0.001591			4
5.78	5.80	5.82	2009.508	0.002748			6
Height Summation:			**9968.319**				
Amount Avg CF:				**0.001889**	Linear:		
Aroclor-1268					**5**	**165.29**	
5.36	5.39	5.40	1611.303	0.000555			1
5.56	5.58	5.60	84390.62	0.036275			3
5.62	5.64	5.66	97774.23	0.172649			4
5.78	5.80	5.82	2009.508	0.00252			5
5.98	6.00	6.02	51350.76	0.009356			6
Height Summation:			**237136.421**				
Amount Avg CF:				**0.044271**	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		31.12	4	40	
Aroclor-1221			17	4.6		** 48.41	3	40	
Aroclor-1232			17	8		28.26	4	40	
Aroclor-1242			17	3.3		** 43.53	4	40	
Aroclor-1248			17	3.3		16.91	4	40	
Aroclor-1254			17	3.3		** 46.38	4	40	
Aroclor-1260			17	4.9		36.05	4	40	
Aroclor-1262			17	3.3		** 52.62	4	40	
Aroclor-1268			17	3.3		16.57	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/18/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 18:53

Lab File ID: 07PCBS17250009.0005.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: AR164AM Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	40.77	40.00	2
Decachlorobiphenyl	6.68	6.65	6.71	37.44	40.24	-7
Aroclor-1016	3.25	3.23	3.27	188.88	202.00	-6
	3.47	3.45	3.49	195.38	202.00	-3
	3.58	3.56	3.60	197.20	202.00	-2
	3.76	3.74	3.78	189.59	202.00	-6
	3.80	3.78	3.82	195.64	202.00	-3
	3.93	3.91	3.95	194.28	202.00	-4
Aroclor-1260	4.84	4.82	4.86	189.43	201.64	-6
	5.04	5.02	5.06	181.65	201.64	-10
	5.25	5.23	5.27	183.93	201.64	-9
	5.47	5.45	5.49	199.38	201.64	-1
	5.71	5.69	5.73	183.97	201.64	-9
	5.91	5.89	5.93	167.41	201.64	-17

Compounds 14 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/18/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 18:53

Lab File ID: 07PCBS17250009B.0005.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: AR164AM Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	40.85	40.00	2
Decachlorobiphenyl	6.16	6.13	6.19	36.35	40.24	-10
Aroclor-1016	2.93	2.92	2.96	200.49	202.00	-1
	3.14	3.12	3.16	197.30	202.00	-2
	3.26	3.25	3.29	200.08	202.00	-1
	3.42	3.40	3.44	194.37	202.00	-4
	3.46	3.44	3.48	193.80	202.00	-4
	3.59	3.57	3.61	189.61	202.00	-6
Aroclor-1260	4.37	4.35	4.39	186.31	201.64	-8
	4.51	4.49	4.53	178.66	201.64	-11
	4.61	4.60	4.64	185.24	201.64	-8
	4.74	4.72	4.76	173.84	201.64	-14
	5.16	5.14	5.18	182.23	201.64	-10
	5.42	5.40	5.44	190.02	201.64	-6

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKAY Sample ID: AY **Batchnumber: 1726099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 19:04:59
Instrument : CP 7--19843A
Result file : 07PCBS17250009.0006.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 97% (53-140) Conc.: 0.195708
%SSR(DCB) : 94% (45-143) Conc.: 0.18886

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**17.06**	
3.78	3.80	3.82	2069.768	0.002245			5
+ 3.91	3.93	3.95	612.5567	0.001083			6
3.91	3.93	3.95	996.2328	0.001762			6
Height Summation:			**3066.0008**				
Amount Avg CF:			**0.002004**	Linear:			
Aroclor-1221					**1**		
3.18	3.20	3.22	111932.7	0.402016			2
Height Summation:			**111932.7**				
Amount Avg CF:			**0.402016**	Linear:			
Aroclor-1232					**2**	**3.17**	
3.78	3.80	3.82	2069.768	0.004581			5
+ 3.91	3.93	3.95	612.5567	0.002693			6
3.91	3.93	3.95	996.2328	0.004381			6
Height Summation:			**3066.0008**				
Amount Avg CF:			**0.004481**	Linear:			
Aroclor-1242					**2**	**11.24**	
3.78	3.80	3.82	2069.768	0.001623			5
+ 3.91	3.93	3.95	612.5567	0.000851			6
3.91	3.93	3.95	996.2328	0.001384			6
Height Summation:			**3066.0008**				
Amount Avg CF:			**0.001504**	Linear:			
Aroclor-1248					**5**	**78.60**	
3.78	3.80	3.82	2069.768	0.004555			1
3.84	3.87	3.88	819.2042	0.001695			2
+ 3.91	3.93	3.95	612.5567	0.000761			3
3.91	3.93	3.95	996.2328	0.001238			3
4.03	4.07	4.07	1525.222	0.001678			4
4.30	4.33	4.34	6093.971	0.007251			6
Height Summation:			**11504.398**				
Amount Avg CF:			**0.003283**	Linear:			
Aroclor-1254					**1**		
5.11	5.12	5.15	631.7026	0.000888			5
Height Summation:			**631.7026**				
Amount Avg CF:			**0.000888**	Linear:			
Aroclor-1260					**4**	**37.91**	
4.82	4.83	4.86	1367.021	0.000939			1
5.02	5.05	5.06	3722.168	0.002605			2
5.45	5.47	5.49	1836.537	0.002339			4
5.89	5.91	5.93	3341.611	0.002658			6
Height Summation:			**10267.337**				
Amount Avg CF:			**0.002136**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 19:04:59
Instrument : CP 7--19843B
Result file : 07PCBS17250009B.0006.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 102% (53-140) Conc.: 0.206516
%SSR(DCB) : 89% (45-143) Conc.: 0.180505

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**15.38**	
3.12	3.15	3.16	3044.166	0.003559			2
3.40	3.41	3.44	4196.301	0.004631			4
3.57	3.59	3.61	2530.409	0.00361			6
Height Summation:			**9770.876**				
Amount Avg CF:			**0.003933**	Linear:			
Aroclor-1221					**1**		
2.86	2.87	2.90	110594.3	0.48129			2
Height Summation:			**110594.3**				
Amount Avg CF:			**0.48129**	Linear:			
Aroclor-1232					**3**	**17.59**	
3.12	3.15	3.16	3044.166	0.007049			2
3.40	3.41	3.44	4196.301	0.010063			4
3.57	3.59	3.61	2530.409	0.008585			6
Height Summation:			**9770.876**				
Amount Avg CF:			**0.008566**	Linear:			
Aroclor-1242					**3**	**18.03**	
3.12	3.15	3.16	3044.166	0.00403			2
3.40	3.41	3.44	4196.301	0.003189			4
3.57	3.59	3.61	2530.409	0.002856			6
Height Summation:			**9770.876**				
Amount Avg CF:			**0.003358**	Linear:			
Aroclor-1248					**2**	**40.69**	
3.51	3.51	3.55	2042.146	0.003822			2
3.90	3.91	3.94	3076.396	0.002114			6
Height Summation:			**5118.542**				
Amount Avg CF:			**0.002968**	Linear:			
Aroclor-1254					**3**	**13.91**	
4.26	4.27	4.30	2079.85	0.001019			2
4.42	4.45	4.46	1346.895	0.001069			4
4.72	4.74	4.76	1847.072	0.001314			6
Height Summation:			**5273.817**				
Amount Avg CF:			**0.001134**	Linear:			
Aroclor-1260					**2**	**71.38**	
4.72	4.74	4.76	1847.072	0.001107			4
5.40	5.42	5.44	4290.27	0.003364			6
Height Summation:			**6137.342**				
Amount Avg CF:			**0.002235**	Linear:			
Aroclor-1262					**3**	**41.80**	
4.95	4.96	4.99	1814.138	0.001195			2
5.40	5.42	5.44	4290.27	0.002511			5
5.78	5.80	5.82	2196.477	0.003004			6
Height Summation:			**8300.885**				
Amount Avg CF:			**0.002237**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKAY Sample ID: AY **Batchnumber: 1726099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 19:04:59
Instrument : CP 7--19843A
Result file : 07PCBS17250009.0006.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**45.61**	
5.45	5.47	5.49	1836.537	0.001774			2
5.89	5.91	5.93	3341.611	0.002155			4
5.95	5.96	5.99	3148.739	0.004036			5
Height Summation:			**8326.887**				
Amount Avg CF:			**0.002655**	Linear:			
Aroclor-1268					**5**	**160.27**	
5.89	5.91	5.93	3341.611	0.001201			1
5.95	5.96	5.99	3148.739	0.001309			2
6.08	6.10	6.12	83628.11	0.036229			3
6.14	6.16	6.18	93820.49	0.154807			4
6.51	6.53	6.55	48185.82	0.010292			6
Height Summation:			**232124.77**				
Amount Avg CF:			**0.040768**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 19:04:59
Instrument : CP 7--19843B
Result file : 07PCBS17250009B.0006.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**158.98**	
5.40	5.42	5.44	4290.27	0.001542			2
5.56	5.57	5.60	63738.45	0.027398			3
5.62	5.64	5.66	71685.99	0.126583			4
5.78	5.80	5.82	2196.477	0.002754			5
5.98	6.00	6.02	48016.72	0.008749			6
Height Summation:			**189927.907**				
Amount Avg CF:			**0.033405**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 65.00	4	40	
Aroclor-1221						17.95	3	40	
Aroclor-1232						** 62.62	4	40	
Aroclor-1242						** 76.28	4	40	
Aroclor-1248						10.09	4	40	
Aroclor-1254						24.29	4	40	
Aroclor-1260						4.57	4	40	
Aroclor-1262						17.10	4	40	
Aroclor-1268						19.85	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/18/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 23:05

Lab File ID: 07PCBS17250009.0027.RAW Initial Calibration: 07PCBS1725001

Lab Standard ID: AR164AN Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.00	2.97	3.03	42.77	40.00	7
Decachlorobiphenyl	6.68	6.65	6.71	37.42	40.24	-7
Aroclor-1016	3.25	3.23	3.27	198.97	202.00	-2
	3.47	3.45	3.49	198.13	202.00	-2
	3.58	3.56	3.60	201.87	202.00	0
	3.76	3.74	3.78	214.76	202.00	6
	3.80	3.78	3.82	202.96	202.00	0
	3.93	3.91	3.95	203.97	202.00	1
Aroclor-1260	4.84	4.82	4.86	190.30	201.64	-6
	5.04	5.02	5.06	186.10	201.64	-8
	5.25	5.23	5.27	185.27	201.64	-8
	5.47	5.45	5.49	197.51	201.64	-2
	5.71	5.69	5.73	187.59	201.64	-7
	5.91	5.89	5.93	169.46	201.64	-16

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/18/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 23:05

Lab File ID: 07PCBS17250009B.0027.RAW Initial Calibration: 07PCBS1725001B

Lab Standard ID: AR164AN Init. Calib Date(s): 09/07/17 09/08/17

Calibration: 07PCBS1725001B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.65	2.62	2.68	42.81	40.00	7
Decachlorobiphenyl	6.16	6.13	6.19	35.85	40.24	-11
Aroclor-1016	2.93	2.92	2.96	205.07	202.00	2
	3.14	3.12	3.16	200.92	202.00	-1
	3.26	3.25	3.29	200.72	202.00	-1
	3.42	3.40	3.44	202.49	202.00	0
	3.46	3.44	3.48	199.01	202.00	-1
	3.59	3.57	3.61	193.85	202.00	-4
Aroclor-1260	4.37	4.35	4.39	195.45	201.64	-3
	4.51	4.49	4.53	191.76	201.64	-5
	4.61	4.60	4.64	190.16	201.64	-6
	4.74	4.72	4.76	182.16	201.64	-10
	5.16	5.14	5.18	183.52	201.64	-9
	5.42	5.40	5.44	186.33	201.64	-8

Compounds 14 Average of %D: 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKAZ Sample ID: AZ **Batchnumber: 1726099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 23:16:53
Instrument : CP 7--19843A
Result file : 07PCBS17250009.0028.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.206921
%SSR(DCB) : 94% (45-143) Conc.: 0.189424

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**15.19**	
3.78	3.79	3.82	2369.772	0.002571			5
3.91	3.91	3.95	1171.691	0.002072			6
+ 3.91	3.93	3.95	940.7551	0.001664			6
+ 3.91	3.95	3.95	779.134	0.001378			6
Height Summation:			**3541.463**				
Amount Avg CF:			**0.002322**	Linear:			
Aroclor-1221					**1**		
3.18	3.20	3.22	119707	0.429938			2
Height Summation:			**119707**				
Amount Avg CF:			**0.429938**	Linear:			
Aroclor-1232					**2**	**1.27**	
3.78	3.79	3.82	2369.772	0.005246			5
3.91	3.91	3.95	1171.691	0.005152			6
+ 3.91	3.93	3.95	940.7551	0.004137			6
+ 3.91	3.95	3.95	779.134	0.003426			6
Height Summation:			**3541.463**				
Amount Avg CF:			**0.005199**	Linear:			
Aroclor-1242					**2**	**9.35**	
3.78	3.79	3.82	2369.772	0.001859			5
3.91	3.91	3.95	1171.691	0.001628			6
+ 3.91	3.93	3.95	940.7551	0.001307			6
Height Summation:			**3541.463**				
Amount Avg CF:			**0.001743**	Linear:			
Aroclor-1248					**4**	**66.10**	
3.78	3.79	3.82	2369.772	0.005215			1
3.84	3.87	3.88	722.6774	0.001495			2
3.91	3.91	3.95	1171.691	0.001456			3
+ 3.91	3.93	3.95	940.7551	0.001169			3
+ 3.91	3.95	3.95	779.134	0.000968			3
4.30	4.33	4.34	4701.549	0.005594			6
Height Summation:			**8965.6894**				
Amount Avg CF:			**0.00344**	Linear:			
Aroclor-1260					**3**	**58.70**	
5.02	5.04	5.06	2297.491	0.001608			2
5.45	5.48	5.49	1457.067	0.001856			4
5.89	5.91	5.93	5510.582	0.004383			6
Height Summation:			**9265.14**				
Amount Avg CF:			**0.002616**	Linear:			
Aroclor-1262					**4**	**53.48**	
5.45	5.48	5.49	1457.067	0.001407			2
5.89	5.91	5.93	5510.582	0.003554			4
5.95	5.96	5.99	987.0914	0.001265			5
6.31	6.34	6.35	2596.726	0.003712			6
Height Summation:			**10551.4664**				
Amount Avg CF:			**0.002485**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 23:16:53
Instrument : CP 7--19843B
Result file : 07PCBS17250009B.0028.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 102% (53-140) Conc.: 0.206314
%SSR(DCB) : 95% (45-143) Conc.: 0.192468

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**3.65**	
3.40	3.42	3.44	3513.216	0.003877			4
3.57	3.60	3.61	2581.098	0.003682			6
Height Summation:			**6094.314**				
Amount Avg CF:			**0.00378**	Linear:			
Aroclor-1221					**1**		
2.86	2.87	2.90	111166.4	0.48378			2
Height Summation:			**111166.4**				
Amount Avg CF:			**0.48378**	Linear:			
Aroclor-1232					**2**	**2.74**	
3.40	3.42	3.44	3513.216	0.008425			4
3.57	3.60	3.61	2581.098	0.008757			6
Height Summation:			**6094.314**				
Amount Avg CF:			**0.008591**	Linear:			
Aroclor-1242					**2**	**6.15**	
3.40	3.42	3.44	3513.216	0.00267			4
3.57	3.60	3.61	2581.098	0.002913			6
Height Summation:			**6094.314**				
Amount Avg CF:			**0.002791**	Linear:			
Aroclor-1248					**2**	**19.46**	
3.55	3.56	3.59	1331.237	0.001447			3
3.90	3.93	3.94	1596.1	0.001097			6
Height Summation:			**2927.337**				
Amount Avg CF:			**0.001272**	Linear:			
Aroclor-1254					**3**	**34.77**	
4.26	4.28	4.30	2876.904	0.00141			2
4.42	4.44	4.46	1448.142	0.001149			4
4.72	4.74	4.76	3106.46	0.00221			6
Height Summation:			**7431.506**				
Amount Avg CF:			**0.001589**	Linear:			
Aroclor-1260					**3**	**45.73**	
4.72	4.74	4.76	3106.46	0.001862			4
5.14	5.16	5.18	3399.66	0.001578			5
5.40	5.42	5.44	4526.888	0.003549			6
Height Summation:			**11033.008**				
Amount Avg CF:			**0.00233**	Linear:			
Aroclor-1262					**4**	**34.00**	
4.95	4.97	4.99	2388.555	0.001574			2
5.14	5.16	5.18	3399.66	0.001214			3
5.40	5.42	5.44	4526.888	0.002649			5
5.78	5.80	5.82	1687.948	0.002308			6
Height Summation:			**12003.051**				
Amount Avg CF:			**0.001936**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKAZ Sample ID: AZ **Batchnumber: 1726099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 23:16:53
Instrument : CP 7--19843A
Result file : 07PCBS17250009.0028.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**173.41**	
5.89	5.91	5.93	5510.582	0.001981			1
5.95	5.96	5.99	987.0914	0.00041			2
6.08	6.10	6.12	81521.97	0.035317			3
6.14	6.16	6.18	88973.74	0.14681			4
+ 6.31	6.31	6.35	1685.008	0.002369			5
6.31	6.34	6.35	2596.726	0.003651			5
6.51	6.53	6.55	46171.97	0.009862			6

Height Summation: **225762.0794**
Amount Avg CF: **0.033005** Linear:

Analysis Report (B)

Injected on : Sep 18, 2017 23:16:53
Instrument : CP 7--19843B
Result file : 07PCBS17250009B.0028.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**160.84**	
5.40	5.42	5.44	4526.888	0.001627			2
5.56	5.57	5.60	64713.62	0.027817			3
5.62	5.64	5.66	74715.45	0.131932			4
5.78	5.80	5.82	1687.948	0.002116			5
5.98	6.00	6.02	49466.95	0.009013			6

Height Summation: **195110.856**
Amount Avg CF: **0.034501** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 47.79	4	40	
Aroclor-1221						11.79	3	40	
Aroclor-1232						** 49.20	4	40	
Aroclor-1242						** 46.22	4	40	
Aroclor-1248						** 92.04	4	40	
Aroclor-1254							4	40	
Aroclor-1260						11.56	4	40	
Aroclor-1262						24.80	4	40	
Aroclor-1268						4.43	4	40	

Units: ug/kg

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17250001
Instrument CP 7--19843A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	07PCBS17250001.0001	CONDITIONER		9/7/17 22:25	1724999999	1.00
2855	07PCBS17250001.0002	CONDITIONER		9/7/17 22:37	1724999999	1.00
2855	07PCBS17250001.0003	CONDITIONER		9/7/17 22:48	1724999999	1.00
2855	07PCBS17250001.0004	CONDITIONER		9/7/17 22:59	1724999999	1.00
2855	07PCBS17250001.0005	IBLKX1724A	PIBLKAA	9/7/17 23:11	1724999999	10.00
2855	07PCBS17250001.0006	EVALX1724A	EVALXAA	9/7/17 23:22	1724999999	1.00
2855	07PCBS17250001.0007	AR1611724B	AR161AA	9/7/17 23:33	1724999999	1.00
2855	07PCBS17250001.0008	AR1621724B	AR162AA	9/7/17 23:45	1724999999	1.00
2855	07PCBS17250001.0009	AR1631724B	AR163AA	9/7/17 23:56	1724999999	1.00
2855	07PCBS17250001.0010	AR1641724B	AR164AA	9/8/17 0:08	1724999999	1.00
2855	07PCBS17250001.0011	AR1651724B	AR165AA	9/8/17 0:19	1724999999	1.00
2855	07PCBS17250001.0012	AR1661724A	AR166AA	9/8/17 0:30	1724999999	1.00
2855	07PCBS17250001.0013	AR4811724C	AR481AA	9/8/17 0:42	1724999999	1.00
2855	07PCBS17250001.0014	AR4821724C	AR482AA	9/8/17 0:53	1724999999	1.00
2855	07PCBS17250001.0015	AR4831724C	AR483AA	9/8/17 1:05	1724999999	1.00
2855	07PCBS17250001.0016	AR4841724C	AR484AA	9/8/17 1:16	1724999999	1.00
2855	07PCBS17250001.0017	AR4851724C	AR485AA	9/8/17 1:28	1724999999	1.00
2855	07PCBS17250001.0018	AR4861724B	AR486AA	9/8/17 1:39	1724999999	1.00
2855	07PCBS17250001.0019	AR5411724B	AR541AA	9/8/17 1:51	1724999999	1.00
2855	07PCBS17250001.0020	AR5421724B	AR542AA	9/8/17 2:02	1724999999	1.00
2855	07PCBS17250001.0021	AR5431724B	AR543AA	9/8/17 2:14	1724999999	1.00
2855	07PCBS17250001.0022	AR5441724B	AR544AA	9/8/17 2:25	1724999999	1.00
2855	07PCBS17250001.0023	AR5451724B	AR545AA	9/8/17 2:37	1724999999	1.00
2855	07PCBS17250001.0024	AR5461724A	AR546AA	9/8/17 2:48	1724999999	1.00
2855	07PCBS17250001.0025	AR6231724A	AR623AA	9/8/17 2:59	1724999999	1.00
2855	07PCBS17250001.0026	AR6831724B	AR683AA	9/8/17 3:11	1724999999	1.00
2855	07PCBS17250001.0027	AR2131724A	AR213AA	9/8/17 3:22	1724999999	1.00
2855	07PCBS17250001.0028	AR3231724A	AR323AA	9/8/17 3:34	1724999999	1.00
2855	07PCBS17250001.0029	AR4231724A	AR423AA	9/8/17 3:45	1724999999	1.00
2855	07PCBS17250001.0030	AR16XX1724B	AR16XAA	9/8/17 3:57	1724999999	1.00
2855	07PCBS17250001.0031	MD16X1724B	MD16XAA	9/8/17 4:08	1724999999	1.00
2855	07PCBS17250001.0032	IC16X1724C	IC16XAA	9/8/17 4:20	1724999999	1.00
2855	07PCBS17250001.0033	IC48X1724B	IC48XAA	9/8/17 4:31	1724999999	1.00
2855	07PCBS17250001.0034	IC54X1724A	IC54XAA	9/8/17 4:42	1724999999	1.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17250008
Instrument CP 7--19843A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
0492	07PCBS17250008.0001	CONDITIONER		9/17/17 16:38	1725999999	1.00
0492	07PCBS17250008.0002	CONDITIONER		9/17/17 16:50	1725999999	1.00
0492	07PCBS17250008.0003	CONDITIONER		9/17/17 17:01	1725999999	1.00
0492	07PCBS17250008.0004	CONDITIONER		9/17/17 17:13	1725999999	1.00
0492	07PCBS17250008.0005	AR1641724B	AR164ZQ	9/17/17 17:24	1725999999	1.00
0492	07PCBS17250008.0006	IBLKX1724B	PIBLKZZ	9/17/17 17:36	1725999999	10.00
0492	07PCBS17250008.0007	BLANKA 9/16/17 CAF	PBLK01259	9/17/17 17:47	172590001A	10.00
0492	07PCBS17250008.0008	LCSA 9/16/17 CAF	LCS01259	9/17/17 17:58	172590001A	10.00
0492	07PCBS17250008.0009	9211608 RI CAF	SFD2P	9/17/17 18:10	172590001A	10.00
0492	07PCBS17250008.0010	9211608 CAF DF5	SFD2P	9/17/17 18:21	172590001A	50.00
0492	07PCBS17250008.0011	9211609 RI CAF	C2PCB	9/17/17 18:33	172590001A	10.00
0492	07PCBS17250008.0012	9211609 CAF DF5	C2PCB	9/17/17 18:44	172590001A	50.00
0492	07PCBS17250008.0013	9211609MS CAF	C2PCBMS	9/17/17 18:56	172590001A	10.00
0492	07PCBS17250008.0014	9211609MS CAF DF5	C2PCBMS	9/17/17 19:07	172590001A	50.00
0492	07PCBS17250008.0015	9211609MSD CAF	C2PCBMSD	9/17/17 19:19	172590001A	10.00
0492	07PCBS17250008.0016	9211609MSD CAF DF5	C2PCBMSD	9/17/17 19:30	172590001A	50.00
0492	07PCBS17250008.0017	BLANKA 9/16/17 ACF	PBLK02259	9/17/17 19:41	172590002A	10.00
0492	07PCBS17250008.0018	LCSA 9/16/17 ACF	LCS02259	9/17/17 19:53	172590002A	10.00
0492	07PCBS17250008.0019	9211796 ACF DF50	130T1	9/17/17 20:04	172590002A	500.00
0492	07PCBS17250008.0020	9211796MS ACF DF50	130T1MS	9/17/17 20:16	172590002A	500.00
0492	07PCBS17250008.0021	9211796MSD ACF DF5	130T1MSD	9/17/17 20:27	172590002A	500.00
0492	07PCBS17250008.0022	9211797 ACF DF5	134T1	9/17/17 20:38	172590002A	50.00
0492	07PCBS17250008.0023	9211797 ACF DF10	134T1	9/17/17 20:50	172590002A	100.00
0492	07PCBS17250008.0024	BLANKA 9/10/17 ACF	PBLK39251	9/17/17 21:01	172510039A	10.00
0492	07PCBS17250008.0025	LCSA 9/10/17 ACF	LCS39251	9/17/17 21:12	172510039A	10.00
0492	07PCBS17250008.0026	AR1641724B	AR164ZR	9/17/17 21:24	1725999999	1.00
0492	07PCBS17250008.0027	IBLKX1724B	PIBLKAB	9/17/17 21:35	1725999999	10.00
0492	07PCBS17250008.0028	9197259 ACF DF20	T120W	9/17/17 21:46	172510039A	200.00
0492	07PCBS17250008.0029	9197260 ACF DF50	T120E	9/17/17 21:58	172510039A	500.00
0492	07PCBS17250008.0030	9197261 ACF DF50	T121W	9/17/17 22:09	172510039A	500.00
0492	07PCBS17250008.0031	9197262 ACF DF50	T121E	9/17/17 22:21	172510039A	500.00
0492	07PCBS17250008.0032	9197263 ACF DF20	T122W	9/17/17 22:32	172510039A	200.00
0492	07PCBS17250008.0033	9197264 ACF DF50	T122E	9/17/17 22:43	172510039A	500.00
0492	07PCBS17250008.0034	9197265 ACF DF20	T123W	9/17/17 22:55	172510039A	200.00
0492	07PCBS17250008.0035	9197266 ACF DF20	T123E	9/17/17 23:06	172510039A	200.00
0492	07PCBS17250008.0036	9197267 ACF DF10	T124W	9/17/17 23:17	172510039A	100.00
0492	07PCBS17250008.0037	9197268 ACF DF100	T124E	9/17/17 23:29	172510039A	1,000.00
0492	07PCBS17250008.0038	9197269 ACF DF50	T125W	9/17/17 23:40	172510039A	500.00
0492	07PCBS17250008.0039	9197270 ACF DF20	T125E	9/17/17 23:52	172510039A	200.00
0492	07PCBS17250008.0040	9197271 ACF DF20	T126W	9/18/17 0:03	172510039A	200.00
0492	07PCBS17250008.0041	9197272 ACF DF50	T126E	9/18/17 0:14	172510039A	500.00
0492	07PCBS17250008.0042	9197275 ACF DF100	T1-OS	9/18/17 0:26	172510039A	1,000.00
0492	07PCBS17250008.0043	9197276MS ACF DF10	T1-OS	9/18/17 0:37	172510039A	1,000.00
0492	07PCBS17250008.0044	9197277MSD ACF DF1	T1-OS	9/18/17 0:49	172510039A	1,000.00
0492	07PCBS17250008.0045	9197278 ACF DF100	T1-D1	9/18/17 1:00	172510039A	1,000.00
0492	07PCBS17250008.0046	9197307 ACF DF50	T1-1W	9/18/17 1:11	172510039A	500.00
0492	07PCBS17250008.0047	9197308 ACF DF5	T1-1E	9/18/17 1:23	172510039A	50.00
0492	07PCBS17250008.0048	AR1641724B	AR164ZS	9/18/17 1:34	1725999999	1.00
0492	07PCBS17250008.0049	IBLKX1724B	PIBLKAC	9/18/17 1:46	1725999999	10.00
0492	07PCBS17250008.0050	9197309 ACF DF5	T1-5E	9/18/17 1:57	172510039A	50.00
0492	07PCBS17250008.0051	9197310 ACF DF100	T1-6W	9/18/17 2:09	172510039A	1,000.00
0492	07PCBS17250008.0052	BLANKA 9/13/17 ACF	PBLK24255	9/18/17 2:20	172550024A	10.00
0492	07PCBS17250008.0053	LCSA 9/13/17 ACF	LCS24255	9/18/17 2:31	172550024A	10.00
0492	07PCBS17250008.0054	9200158 ACF DF10	T154W	9/18/17 2:43	172550024A	100.00
0492	07PCBS17250008.0055	9200159MS ACF DF10	T154W	9/18/17 2:54	172550024A	100.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
0492	07PCBS17250008.0056	9200160MSD ACF DF1	T154W	9/18/17 3:05	172550024A	100.00
0492	07PCBS17250008.0057	9200161 ACF DF10	AMD10	9/18/17 3:17	172550024A	100.00
0492	07PCBS17250008.0058	9200172 ACF DF50	T159E	9/18/17 3:28	172550024A	500.00
0492	07PCBS17250008.0059	9200173 ACF DF50	T160W	9/18/17 3:40	172550024A	500.00
0492	07PCBS17250008.0060	9200174 ACF DF100	T160E	9/18/17 3:51	172550024A	1,000.00
0492	07PCBS17250008.0061	9202597 ACF DF50	T190W	9/18/17 4:03	172550024A	500.00
0492	07PCBS17250008.0062	9202598 ACF DF200	T190E	9/18/17 4:14	172550024A	2,000.00
0492	07PCBS17250008.0063	9202599 ACF DF5	T191W	9/18/17 4:26	172550024A	50.00
0492	07PCBS17250008.0064	9202600 ACF DF500	T191E	9/18/17 4:37	172550024A	5,000.00
0492	07PCBS17250008.0065	9202601 ACF DF500	T192W	9/18/17 4:48	172550024A	5,000.00
0492	07PCBS17250008.0066	9202602 ACF DF500	T192E	9/18/17 5:00	172550024A	5,000.00
0492	07PCBS17250008.0067	9202602 ACF DF1000	T192E	9/18/17 5:12	172550024A	10,000.00
0492	07PCBS17250008.0068	9202603 ACF DF100	T193W	9/18/17 5:23	172550024A	1,000.00
0492	07PCBS17250008.0069	9202604 ACF DF2000	T193E	9/18/17 5:34	172550024A	20,000.00
0492	07PCBS17250008.0070	AR1641724B	AR164ZT	9/18/17 5:46	1725999999	1.00
0492	07PCBS17250008.0071	IBLKX1724B	PIBLKAD	9/18/17 5:57	1725999999	10.00
0492	07PCBS17250008.0072	9202604 ACF DF5000	T193E	9/18/17 6:09	172550024A	50,000.00
0492	07PCBS17250008.0073	9202604 ACF DF10000	T193E	9/18/17 6:20	172550024A	100,000.00
0492	07PCBS17250008.0074	9202605 ACF DF50	T194W	9/18/17 6:32	172550024A	500.00
0492	07PCBS17250008.0075	9202606 ACF DF1000	T194E	9/18/17 6:43	172550024A	10,000.00
0492	07PCBS17250008.0076	9202606 ACF DF2000	T194E	9/18/17 6:54	172550024A	20,000.00
0492	07PCBS17250008.0077	9202606 ACF DF5000	T194E	9/18/17 7:06	172550024A	50,000.00
0492	07PCBS17250008.0078	9202607 ACF DF100	T195W	9/18/17 7:17	172550024A	1,000.00
0492	07PCBS17250008.0079	9202608 ACF DF500	T195E	9/18/17 7:29	172550024A	5,000.00
0492	07PCBS17250008.0080	9202609 ACF DF20	T196W	9/18/17 7:40	172550024A	200.00
0492	07PCBS17250008.0081	9202610 ACF DF200	T196E	9/18/17 7:52	172550024A	2,000.00
0492	07PCBS17250008.0082	9202611 ACF DF100	T197W	9/18/17 8:03	172550024A	1,000.00
0492	07PCBS17250008.0083	BLANKA 9/13/17 ACF	PBLK12256	9/18/17 8:15	172560012A	10.00
0492	07PCBS17250008.0084	LCSA 9/13/17 ACF	LCS12256	9/18/17 8:26	172560012A	10.00
0492	07PCBS17250008.0085	9202643 ACF DF50	-107W	9/18/17 8:38	172560012A	500.00
0492	07PCBS17250008.0086	9202644 ACF DF20	-107E	9/18/17 8:49	172560012A	200.00
0492	07PCBS17250008.0087	9202645 ACF DF20	-108W	9/18/17 9:00	172560012A	200.00
0492	07PCBS17250008.0088	9202646 ACF DF20	-108E	9/18/17 9:12	172560012A	200.00
0492	07PCBS17250008.0089	9202647 ACF DF50	-109W	9/18/17 9:23	172560012A	500.00
0492	07PCBS17250008.0090	9202648 ACF DF50	-109E	9/18/17 9:35	172560012A	500.00
0492	07PCBS17250008.0091	9202649 ACF DF10	-110W	9/18/17 9:46	172560012A	100.00
0492	07PCBS17250008.0092	AR1641724B	AR164ZU	9/18/17 9:58	1725999999	1.00
0492	07PCBS17250008.0093	IBLKX1724B	PIBLKAE	9/18/17 10:09	1725999999	10.00
0492	07PCBS17250008.0094	9202650 ACF DF10	-110E	9/18/17 10:21	172560012A	100.00
0492	07PCBS17250008.0095	9202651 ACF DF10	-111W	9/18/17 10:39	172560012A	100.00
0492	07PCBS17250008.0096	9202652 ACF DF20	-111E	9/18/17 10:50	172560012A	200.00
0492	07PCBS17250008.0097	9202653 ACF DF10	-112W	9/18/17 11:02	172560012A	100.00
0492	07PCBS17250008.0098	9202654MS ACF DF10	-112W	9/18/17 11:13	172560012A	100.00
0492	07PCBS17250008.0099	9202655MSD ACF DF1	-112W	9/18/17 11:25	172560012A	100.00
0492	07PCBS17250008.0100	9202656 ACF DF50	DUP11	9/18/17 11:36	172560012A	500.00
0492	07PCBS17250008.0101	9202657 ACF DF20	-112E	9/18/17 11:48	172560012A	200.00
0492	07PCBS17250008.0102	9202658 ACF DF5	-113W	9/18/17 11:59	172560012A	50.00
0492	07PCBS17250008.0103	9202659 ACF DF100	-115E	9/18/17 12:11	172560012A	1,000.00
0492	07PCBS17250008.0104	AR1641724B	AR164ZV	9/18/17 12:22	1725999999	1.00
0492	07PCBS17250008.0105	IBLKX1724B	PIBLKAF	9/18/17 12:34	1725999999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17250007
Instrument CP 7--19843A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
0492	07PCBS17250007.0001	CONDITIONER		9/15/17 8:29	1725799999	1.00
0492	07PCBS17250007.0002	CONDITIONER		9/15/17 8:41	1725799999	1.00
0492	07PCBS17250007.0003	CONDITIONER		9/15/17 8:52	1725799999	1.00
0492	07PCBS17250007.0004	CONDITIONER		9/15/17 9:03	1725799999	1.00
0492	07PCBS17250007.0005	AR1641724B	AR164ZA	9/15/17 9:15	1725799999	1.00
0492	07PCBS17250007.0006	IBLKX1724B	PIBLKZG	9/15/17 9:26	1725799999	10.00
0492	07PCBS17250007.0007	BLANKA 9/15/17 AF	PBLK37257	9/15/17 9:38	172570037A	2.00
0492	07PCBS17250007.0008	LCSA 9/15/17 AF	LCS37257	9/15/17 9:49	172570037A	2.00
0492	07PCBS17250007.0009	LCSDA 9/15/17 AF	LCSD37257	9/15/17 10:01	172570037A	2.00
0492	07PCBS17250007.0010	9208487 AF	RSBPC	9/15/17 10:12	172570037A	2.00
0492	07PCBS17250007.0011	BLANKA 9/15/17 ACI	PBLK41257	9/15/17 10:23	172570041A	10.00
0492	07PCBS17250007.0012	LCSA 9/15/17 ACF	LCS41257	9/15/17 10:35	172570041A	10.00
0492	07PCBS17250007.0013	BLANKA 9/15/17 ACI	PBLK40257	9/15/17 10:48	172570040A	10.00
0492	07PCBS17250007.0014	LCSA 9/15/17 ACF	LCS40257	9/15/17 11:00	172570040A	10.00
0492	07PCBS17250007.0015	9208798 ACF	126T1	9/15/17 11:11	172570040A	10.00
0492	07PCBS17250007.0016	9208798MS ACF	126T1MS	9/15/17 11:23	172570040A	10.00
0492	07PCBS17250007.0017	9208798MSD ACF	126T1MSD	9/15/17 11:34	172570040A	10.00
0492	07PCBS17250007.0018	9208799 ACF DF20	128T1	9/15/17 11:46	172570040A	200.00
0492	07PCBS17250007.0019	9208800 ACF DF20	T101W	9/15/17 11:57	172570040A	200.00
0492	07PCBS17250007.0020	9208801 ACF DF50	T101E	9/15/17 12:09	172570040A	500.00
0492	07PCBS17250007.0021	AR1641724B	AR164ZB	9/15/17 12:20	1725799999	1.00
0492	07PCBS17250007.0022	IBLKX1724B	PIBLKZH	9/15/17 12:31	1725799999	10.00
0492	07PCBS17250007.0023	9208485 ACF	C35PC	9/15/17 12:43	172570041A	10.00
0492	07PCBS17250007.0024	9208486 ACF	CFDPC	9/15/17 12:54	172570041A	10.00
0492	07PCBS17250007.0025	9208486MS ACF	CFDPCMS	9/15/17 13:05	172570041A	10.00
0492	07PCBS17250007.0026	9208486MSD ACF	CFDPCMSD	9/15/17 13:17	172570041A	10.00
0492	07PCBS17250007.0027	HEXANE	AA	9/15/17 13:28	1725799999	1.00
0492	07PCBS17250007.0028	AR1641724B	AR164ZC	9/15/17 13:40	1725799999	1.00
0492	07PCBS17250007.0029	IBLKX1724B	PIBLKZI	9/15/17 13:51	1725799999	10.00
0492	07PCBS17250007.0030	BLANKA 9/11/17 RI A	PBLK42251	9/15/17 14:03	172510042A	10.00
0492	07PCBS17250007.0031	LCSA 9/11/17 RI ACF	LCS42251	9/15/17 14:14	172510042A	10.00
0492	07PCBS17250007.0032	9197321 RI ACF DF2	T1-3W	9/15/17 14:26	172510042A	200.00
0492	07PCBS17250007.0033	9197322MS RI ACF D	T1-3W	9/15/17 14:37	172510042A	200.00
0492	07PCBS17250007.0034	9197323MSD RI ACF	T1-3W	9/15/17 14:48	172510042A	200.00
0492	07PCBS17250007.0035	9197324 RI ACF DF5	T1-D4	9/15/17 15:00	172510042A	500.00
0492	07PCBS17250007.0036	9197329 RI ACF DF2	T119W	9/15/17 15:11	172510042A	200.00
0492	07PCBS17250007.0037	9197330 RI ACF DF5	T119E	9/15/17 15:23	172510042A	500.00
0492	07PCBS17250007.0038	9197331 RI ACF DF2	T110E	9/15/17 15:34	172510042A	200.00
0492	07PCBS17250007.0039	9197332 ACF DF20	T111W	9/15/17 15:46	172510042A	200.00
0492	07PCBS17250007.0040	9197333 ACF DF50	T111E	9/15/17 15:57	172510042A	500.00
0492	07PCBS17250007.0041	9197334 ACF DF50	T112W	9/15/17 16:08	172510042A	500.00
0492	07PCBS17250007.0042	9197335 ACF DF50	T112E	9/15/17 16:20	172510042A	500.00
0492	07PCBS17250007.0043	9197336 ACF DF50	T113W	9/15/17 16:31	172510042A	500.00
0492	07PCBS17250007.0044	BLANKA 9/10/17 ACI	PBLK41251	9/15/17 16:43	172510041A	10.00
0492	07PCBS17250007.0045	LCSA 9/10/17 ACF	LCS41251	9/15/17 16:54	172510041A	10.00
0492	07PCBS17250007.0046	9197303 ACF DF5	T1-OE	9/15/17 17:06	172510041A	50.00
0492	07PCBS17250007.0047	9197304MS ACF DF	T1-OE	9/15/17 17:17	172510041A	50.00
0492	07PCBS17250007.0048	9197305MSD ACF D	T1-OE	9/15/17 17:29	172510041A	50.00
0492	07PCBS17250007.0049	9197306 ACF DF10	T1-D3	9/15/17 17:40	172510041A	100.00
0492	07PCBS17250007.0050	AR1641724B	AR164ZD	9/15/17 17:52	1725799999	1.00
0492	07PCBS17250007.0051	IBLKX1724B	PIBLKZK	9/15/17 18:03	1725799999	10.00
0492	07PCBS17250007.0052	9197325 ACF DF20	T1-3E	9/15/17 18:14	172510041A	200.00
0492	07PCBS17250007.0053	9197326 ACF DF100	T1-4W	9/15/17 18:26	172510041A	1,000.00
0492	07PCBS17250007.0054	9197327 ACF DF50	T1-4E	9/15/17 18:38	172510041A	500.00
0492	07PCBS17250007.0055	9197328 ACF DF10	T1-5W	9/15/17 18:49	172510041A	100.00
0492	07PCBS17250007.0056	BLANKA 9/10/17 CA	PBLK40251	9/15/17 19:00	172510040A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
0492	07PCBS17250007.0057	LCSA 9/10/17 CAF	LCS40251	9/15/17 19:12	172510040A	10.00
0492	07PCBS17250007.0058	9197280 CAF DF50	T1-OW	9/15/17 19:23	172510040A	500.00
0492	07PCBS17250007.0059	9197281MS CAF DF	T1-OW	9/15/17 19:35	172510040A	500.00
0492	07PCBS17250007.0060	9197282MSD CAF D	T1-OW	9/15/17 19:46	172510040A	500.00
0492	07PCBS17250007.0061	9197283 CAF DF50	T1-D2	9/15/17 19:58	172510040A	500.00
0492	07PCBS17250007.0062	9197311 CAF DF10	T1-6E	9/15/17 20:09	172510040A	100.00
0492	07PCBS17250007.0063	9197312 CAF DF100	T1-7W	9/15/17 20:21	172510040A	1,000.00
0492	07PCBS17250007.0064	9197313 CAF	T1-7E	9/15/17 20:32	172510040A	10.00
0492	07PCBS17250007.0065	9197314 CAF DF100	T1-8W	9/15/17 20:44	172510040A	1,000.00
0492	07PCBS17250007.0066	9197315 CAF	T1-8E	9/15/17 20:55	172510040A	10.00
0492	07PCBS17250007.0067	9197316 CAF DF5	T1-9W	9/15/17 21:07	172510040A	50.00
0492	07PCBS17250007.0068	9197317 CAF DF50	T1-9E	9/15/17 21:18	172510040A	500.00
0492	07PCBS17250007.0069	9197318 CAF DF100	T110W	9/15/17 21:30	172510040A	1,000.00
0492	07PCBS17250007.0070	9197319 CAF DF50	T1-2W	9/15/17 21:41	172510040A	500.00
0492	07PCBS17250007.0071	9197320 CAF DF100	T1-2E	9/15/17 21:53	172510040A	1,000.00
0492	07PCBS17250007.0072	AR1641724B	AR164ZE	9/15/17 22:04	1725799999	1.00
0492	07PCBS17250007.0073	IBLKX1724B	PIBLKZL	9/15/17 22:16	1725799999	10.00
0492	07PCBS17250007.0074	9202660 ACF DF50	-116W	9/15/17 22:27	172560030A	500.00
0492	07PCBS17250007.0075	9202661 ACF DF20	-116E	9/15/17 22:38	172560030A	200.00
0492	07PCBS17250007.0076	9202662 ACF DF20	-117W	9/15/17 22:50	172560030A	200.00
0492	07PCBS17250007.0077	9202663 ACF DF200	-117E	9/15/17 23:01	172560030A	2,000.00
0492	07PCBS17250007.0078	9202664 ACF DF5	-118W	9/15/17 23:13	172560030A	50.00
0492	07PCBS17250007.0079	9202665 ACF DF200	-118E	9/15/17 23:24	172560030A	2,000.00
0492	07PCBS17250007.0080	9202666 ACF DF20	-119W	9/15/17 23:36	172560030A	200.00
0492	07PCBS17250007.0081	9202667 ACF DF100	-119E	9/15/17 23:47	172560030A	1,000.00
0492	07PCBS17250007.0082	9202668 ACF DF50	-120W	9/15/17 23:58	172560030A	500.00
0492	07PCBS17250007.0083	9202669 ACF DF100	-120E	9/16/17 0:10	172560030A	1,000.00
0492	07PCBS17250007.0084	BLANKA 9/13/17 ACI	PBLK25255	9/16/17 0:21	172550025A	10.00
0492	07PCBS17250007.0085	LCSA 9/13/17 ACF	LCS25255	9/16/17 0:33	172550025A	10.00
0492	07PCBS17250007.0086	9202612 ACF DF500	T197E	9/16/17 0:44	172550025A	5,000.00
0492	07PCBS17250007.0087	9202613 ACF DF200	T198W	9/16/17 0:56	172550025A	2,000.00
0492	07PCBS17250007.0088	9202614 ACF DF200	T198E	9/16/17 1:07	172550025A	2,000.00
0492	07PCBS17250007.0089	9202615 ACF DF50	T199W	9/16/17 1:18	172550025A	500.00
0492	07PCBS17250007.0090	9202616 ACF DF50	-114W	9/16/17 1:30	172550025A	500.00
0492	07PCBS17250007.0091	9202617MS ACF DF	-114W	9/16/17 1:41	172550025A	500.00
0492	07PCBS17250007.0092	9202618MSD ACF D	-114W	9/16/17 1:53	172550025A	500.00
0492	07PCBS17250007.0093	AR1641724B	AR164ZF	9/16/17 2:04	1725799999	1.00
0492	07PCBS17250007.0094	IBLKX1724B	PIBLKZM	9/16/17 2:16	1725799999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17250009
Instrument CP 7--19843A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
0492	07PCBS17250009.0001	CONDITIONER		9/18/17 18:08	1726099999	1.00
0492	07PCBS17250009.0002	CONDITIONER		9/18/17 18:19	1726099999	1.00
0492	07PCBS17250009.0003	CONDITIONER		9/18/17 18:30	1726099999	1.00
0492	07PCBS17250009.0004	CONDITIONER		9/18/17 18:42	1726099999	1.00
0492	07PCBS17250009.0005	AR1641724B	AR164AM	9/18/17 18:53	1726099999	1.00
0492	07PCBS17250009.0006	IBLKX1724B	PIBLKAY	9/18/17 19:04	1726099999	10.00
0492	07PCBS17250009.0007	9202613 ACF DF20	T198W	9/18/17 19:16	172550025A	200.00
0492	07PCBS17250009.0008	9202666 ACF	-119W	9/18/17 19:27	172560030A	10.00
0492	07PCBS17250009.0009	9202666 ACF DF5	-119W	9/18/17 19:39	172560030A	50.00
0492	07PCBS17250009.0010	9197316 CAF DF50	T1-9W	9/18/17 19:50	172510040A	500.00
0492	07PCBS17250009.0011	BLANKA 9/14/17 ACI	PBLK44256	9/18/17 20:02	172560044A	10.00
0492	07PCBS17250009.0012	LCSA 9/14/17 ACF	LCS44256	9/18/17 20:13	172560044A	10.00
0492	07PCBS17250009.0013	9202701 ACF DF50	-132E	9/18/17 20:25	172560044A	500.00
0492	07PCBS17250009.0014	9202702 ACF DF10	-133W	9/18/17 20:36	172560044A	100.00
0492	07PCBS17250009.0015	9202703 ACF DF10	-133E	9/18/17 20:47	172560044A	100.00
0492	07PCBS17250009.0016	9202704 ACF DF50	-134W	9/18/17 20:59	172560044A	500.00
0492	07PCBS17250009.0017	9202705 ACF DF100	-128E	9/18/17 21:10	172560044A	1,000.00
0492	07PCBS17250009.0018	9202706 ACF DF50	-129W	9/18/17 21:22	172560044A	500.00
0492	07PCBS17250009.0019	9202707MS ACF DF	-129W	9/18/17 21:33	172560044A	500.00
0492	07PCBS17250009.0020	9202708MSD ACF D	-129W	9/18/17 21:45	172560044A	500.00
0492	07PCBS17250009.0021	9202709 ACF DF50	DUP17	9/18/17 21:56	172560044A	500.00
0492	07PCBS17250009.0022	9202710 ACF DF5	-134E	9/18/17 22:08	172560044A	50.00
0492	07PCBS17250009.0023	9202711 ACF DF20	-135W	9/18/17 22:19	172560044A	200.00
0492	07PCBS17250009.0024	9202712 ACF DF20	-135E	9/18/17 22:31	172560044A	200.00
0492	07PCBS17250009.0025	9202713 ACF DF50	-136W	9/18/17 22:42	172560044A	500.00
0492	07PCBS17250009.0026	9202714 ACF DF20	-136E	9/18/17 22:54	172560044A	200.00
0492	07PCBS17250009.0027	AR1641724B	AR164AN	9/18/17 23:05	1726099999	1.00
0492	07PCBS17250009.0028	IBLKX1724B	PIBLKAZ	9/18/17 23:16	1726099999	10.00
0492	07PCBS17250009.0029	9202715 ACF DF50	-136N	9/18/17 23:28	172560044A	500.00
0492	07PCBS17250009.0030	BLANKA 9/14/17 ACI	PBLK41256	9/18/17 23:39	172560041A	10.00
0492	07PCBS17250009.0031	LCSA 9/14/17 ACF	LCS41256	9/18/17 23:51	172560041A	10.00
0492	07PCBS17250009.0032	9202691 ACF DF100	-128W	9/19/17 0:02	172560041A	1,000.00
0492	07PCBS17250009.0033	9202692MS ACF DF	-128W	9/19/17 0:13	172560041A	1,000.00
0492	07PCBS17250009.0034	9202693MSD ACF D	-128W	9/19/17 0:25	172560041A	1,000.00
0492	07PCBS17250009.0035	9202694 ACF DF100	DUP16	9/19/17 0:36	172560041A	1,000.00
0492	07PCBS17250009.0036	9202695 ACF DF200	-129E	9/19/17 0:48	172560041A	2,000.00
0492	07PCBS17250009.0037	9202696 ACF DF50	-130W	9/19/17 0:59	172560041A	500.00
0492	07PCBS17250009.0038	9202697 ACF DF50	-130E	9/19/17 1:11	172560041A	500.00
0492	07PCBS17250009.0039	9202698 ACF DF50	-131W	9/19/17 1:22	172560041A	500.00
0492	07PCBS17250009.0040	9202699 ACF DF10	-131E	9/19/17 1:34	172560041A	100.00
0492	07PCBS17250009.0041	9202700 ACF DF50	-132W	9/19/17 1:45	172560041A	500.00
0492	07PCBS17250009.0042	BLANKA 9/14/17 ACI	PBLK40256	9/19/17 1:56	172560040A	10.00
0492	07PCBS17250009.0043	LCSA 9/14/17 ACF	LCS40256	9/19/17 2:08	172560040A	10.00
0492	07PCBS17250009.0044	9202673 ACF DF50	DUP14	9/19/17 2:19	172560040A	500.00
0492	07PCBS17250009.0045	9202674 ACF DF50	-121E	9/19/17 2:31	172560040A	500.00
0492	07PCBS17250009.0046	9202675 ACF DF50	-122W	9/19/17 2:42	172560040A	500.00
0492	07PCBS17250009.0047	9202676 ACF DF200	-122E	9/19/17 2:53	172560040A	2,000.00
0492	07PCBS17250009.0048	9202677 ACF DF50	-123W	9/19/17 3:05	172560040A	500.00
0492	07PCBS17250009.0049	AR1641724B	AR164AO	9/19/17 3:16	1726099999	1.00
0492	07PCBS17250009.0050	IBLKX1724B	PIBLKBA	9/19/17 3:28	1726099999	10.00
0492	07PCBS17250009.0051	9202678 ACF DF100	-123E	9/19/17 3:39	172560040A	1,000.00
0492	07PCBS17250009.0052	9202680 ACF DF50	-124W	9/19/17 3:50	172560040A	500.00
0492	07PCBS17250009.0053	9202681MS ACF DF	-124W	9/19/17 4:02	172560040A	500.00
0492	07PCBS17250009.0054	9202682MSD ACF D	-124W	9/19/17 4:13	172560040A	500.00
0492	07PCBS17250009.0055	9202683 ACF DF50	DUP15	9/19/17 4:25	172560040A	500.00
0492	07PCBS17250009.0056	9202684 ACF DF100	-124E	9/19/17 4:36	172560040A	1,000.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
0492	07PCBS17250009.0057	9202685	ACF DF100-125W	9/19/17 4:48	172560040A	1,000.00
0492	07PCBS17250009.0058	9202686	ACF DF20 -125E	9/19/17 4:59	172560040A	200.00
0492	07PCBS17250009.0059	9202687	ACF DF50 -126W	9/19/17 5:11	172560040A	500.00
0492	07PCBS17250009.0060	9202688	ACF DF20 -126E	9/19/17 5:22	172560040A	200.00
0492	07PCBS17250009.0061	9202689	ACF DF100-127W	9/19/17 5:33	172560040A	1,000.00
0492	07PCBS17250009.0062	9202690	ACF DF50 -127E	9/19/17 5:45	172560040A	500.00
0492	07PCBS17250009.0063	AR1641724B	AR164AP	9/19/17 5:56	1726099999	1.00
0492	07PCBS17250009.0064	IBLKX1724B	PIBLKBB	9/19/17 6:08	1726099999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATG54

Fraction: Polychlorinated Biphenyls (PCBs)

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

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9197303 ACF DF5 T1-OE Sample ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.19 g Total Volume: 50 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 17:06:04
Instrument	19843A
Result file	07PCBS17250007.0046.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 97% (61 - 152) Conc: 29.20627
%SSR(DCB) 115% (48 - 164) Conc: 30.69487

Analysis Report (B)

Injected on	Sep 15, 2017 17:06:04
Instrument	19843B
Result file	07PCBS17250007B.0046.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 103% (61 - 152) Conc: 30.89828
%SSR(DCB) 111% (48 - 164) Conc: 29.67927

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	2252939	29.20627
Decachlorobiphenyl	6.65	6.68	6.71	844376	30.69487

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	2447183	30.89828
Decachlorobiphenyl	6.13	6.16	6.19	963573	29.67927

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	30.89828				5.63	
☑	Tetrachloro-m-xylene-D1	A	29.20627					
☑	Tetrachloro-m-xylene-D2	B	30.89828					
☐	Decachlorobiphenyl	A	30.69487				3.36	
☑	Decachlorobiphenyl-D1	A	30.69487					
☑	Decachlorobiphenyl-D2	B	29.67927					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.30**	
4.82	4.84	4.86	2004654	675.836612			1
5.02	5.04	5.06	1965526	675.071552			2
5.23	5.25	5.27	2257309	817.052397			3
5.45	5.47	5.49	1561739	976.167581			4
5.69	5.71	5.73	4481588	1143.863089			5
5.89	5.91	5.93	2710474	1057.866509			6

Height summation: **14981290**
Concentration CF: **890.97629** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**27.07**	
4.35	4.37	4.39	2029596	668.219033			1
4.49	4.51	4.53	2169360	622.62802			2
4.60	4.61	4.64	1834534	651.168555			3
4.72	4.74	4.76	2674720	786.742429			4
5.14	5.16	5.18	4853388	1105.706244			5
5.40	5.42	5.44	2837793	1091.731795			6

Height summation: **16399391**
Concentration CF: **821.032679** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<250.2453	<48.577	D1		4	
☑	PCB-1221			<250.2453	<75.0736	D1		3	
☑	PCB-1232			<250.2453	<60.3533	D1		4	
☑	PCB-1242			<250.2453	<60.3533	D1		4	
☑	PCB-1248			<250.2453	<48.577	D1		4	
☑	PCB-1254			<250.2453	<64.7694	D1		4	
☑	PCB-1260	A	890.97629	250.2453	57.4092	D1	8.17	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:09:33

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197303** ACF DF5 T1-OE ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.19 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:06:04
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0046.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 97% (61-152) Conc.: 29.20627
%SSR(DCB) : 115% (48-164) Conc.: 30.69487

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**59.44**	
3.23	3.26	3.27	12228.48	9.126838			1
3.45	3.48	3.49	10425.56	7.601896			2
3.74	3.76	3.78	2903.121	1.81373			4
3.78	3.80	3.82	14683.82	7.816728			5
3.91	3.93	3.95	18302.71	15.883938			6
Height Summation:			**58543.691**				
Amount Avg CF:			**8.448626**	Linear:			
Aroclor-1221					**3**	**93.11**	
3.13	3.15	3.17	3569.886	5.754656			1
3.18	3.20	3.22	16299.6	28.724907			2
3.23	3.26	3.27	12228.48	7.075349			3
Height Summation:			**32097.966**				
Amount Avg CF:			**13.851637**	Linear:			
Aroclor-1232					**5**	**83.17**	
3.23	3.26	3.27	12228.48	7.77955			1
3.45	3.48	3.49	10425.56	15.883538			2
3.74	3.76	3.78	2903.121	3.934896			4
3.78	3.80	3.82	14683.82	15.948477			5
3.91	3.93	3.95	18302.71	39.489456			6
Height Summation:			**58543.691**				
Amount Avg CF:			**16.607183**	Linear:			
Aroclor-1242					**5**	**63.01**	
3.23	3.26	3.27	12228.48	6.816366			1
3.45	3.48	3.49	10425.56	5.780719			2
3.74	3.76	3.78	2903.121	1.225587			4
3.78	3.80	3.82	14683.82	5.651023			5
3.91	3.93	3.95	18302.71	12.479576			6
Height Summation:			**58543.691**				
Amount Avg CF:			**6.390654**	Linear:			
Aroclor-1248					**6**	**106.80**	
3.78	3.80	3.82	14683.82	15.856755			1
3.84	3.86	3.88	17557.5	17.823078			2
3.91	3.93	3.95	18302.71	11.158345			3
4.03	4.06	4.07	6554.639	3.538925			4
4.12	4.14	4.16	37453.27	23.356165			5
4.30	4.31	4.34	132214.4	77.190017			6
+ 4.30	4.33	4.34	14795.34	8.637883			6
Height Summation:			**226766.339**				
Amount Avg CF:			**24.820548**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 17:06:04
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0046.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 103% (61-152) Conc.: 30.89828
%SSR(DCB) : 111% (48-164) Conc.: 29.67927

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**141.10**	
2.92	2.95	2.96	146051.8	106.553577			1
3.12	3.16	3.16	12820.14	7.354223			2
3.25	3.27	3.29	12797.04	7.426897			3
3.40	3.42	3.44	6810.696	3.68799			4
3.44	3.47	3.48	12465.48	7.186769			5
3.57	3.59	3.61	56861.31	39.80016			6
Height Summation:			**247806.466**				
Amount Avg CF:			**28.668269**	Linear:			
Aroclor-1221					**3**	**54.57**	
2.80	2.82	2.84	18610.41	24.927271			1
2.86	2.87	2.90	21734.65	46.411202			2
2.92	2.95	2.96	146051.8	79.339909			3
Height Summation:			**186396.86**				
Amount Avg CF:			**50.226127**	Linear:			
Aroclor-1232					**6**	**103.61**	
2.92	2.95	2.96	146051.8	87.094297			1
3.12	3.16	3.16	12820.14	14.566096			2
3.25	3.27	3.29	12797.04	15.032838			3
3.40	3.42	3.44	6810.696	8.013997			4
3.44	3.47	3.48	12465.48	14.403652			5
3.57	3.59	3.61	56861.31	94.66386			6
Height Summation:			**247806.466**				
Amount Avg CF:			**38.962457**	Linear:			
Aroclor-1242					**6**	**134.03**	
2.92	2.95	2.96	146051.8	77.052233			1
3.12	3.16	3.16	12820.14	8.328473			2
3.25	3.27	3.29	12797.04	5.681938			3
3.40	3.42	3.44	6810.696	2.539896			4
3.44	3.47	3.48	12465.48	5.192319			5
3.57	3.59	3.61	56861.31	31.48573			6
Height Summation:			**247806.466**				
Amount Avg CF:			**21.713432**	Linear:			
Aroclor-1248					**6**	**81.84**	
3.44	3.47	3.48	12465.48	15.691459			1
3.51	3.53	3.55	18026.86	16.553176			2
3.55	3.57	3.59	14609.82	7.790613			3
3.67	3.69	3.71	12297.76	5.454163			4
3.76	3.77	3.80	35779.21	22.948705			5
+ 3.90	3.90	3.94	9137.916	3.081136			6
3.90	3.92	3.94	148721.2	50.146033			6
Height Summation:			**241900.33**				
Amount Avg CF:			**19.764025**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197303** ACF DF5 T1-OE ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.19 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:06:04
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0046.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**126.20**	
4.29	4.31	4.32	132214.4	71.586646			1
4.63	4.67	4.67	330030.2	168.492721			2
4.69	4.72	4.73	360048.6	86.888428			3
4.91	4.93	4.95	232094.7	91.625839			4
5.11	5.13	5.15	697210.7	481.04988			5
5.23	5.25	5.27	2257309	1185.593251			6
Height Summation:			**4008907.6**				
Amount Avg CF:			**347.539461**	Linear:			
Aroclor-1260					**6**	**22.30**	
4.82	4.84	4.86	2004654	675.836612			1
5.02	5.04	5.06	1965526	675.071552			2
5.23	5.25	5.27	2257309	817.052397			3
5.45	5.47	5.49	1561739	976.167581			4
5.69	5.71	5.73	4481588	1143.863089			5
5.89	5.91	5.93	2710474	1057.866509			6
Height Summation:			**14981290**				
Amount Avg CF:			**890.97629**	Linear:			
Aroclor-1262					**6**	**32.07**	
5.29	5.31	5.33	1366682	575.783444			1
5.45	5.47	5.49	1561739	740.126535			2
5.69	5.71	5.73	4481588	967.951714			3
5.89	5.91	5.93	2710474	857.715131			4
5.95	5.97	5.99	534637.2	336.240303			5
6.31	6.33	6.35	961583.2	674.433784			6
Height Summation:			**11616703.4**				
Amount Avg CF:			**692.041819**	Linear:			
Aroclor-1268					**6**	**96.79**	
5.89	5.91	5.93	2710474	478.131289			1
5.95	5.97	5.99	534637.2	109.064657			2
6.08	6.10	6.12	69765.6	14.83008			3
+ 6.14	6.15	6.18	52543.37	42.540887			4
6.14	6.18	6.18	469519.5	380.138841			4
6.31	6.33	6.35	961583.2	663.303457			5
6.51	6.53	6.55	214590.3	22.489828			6
Height Summation:			**4960569.8**				
Amount Avg CF:			**277.993025**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 17:06:04
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0046.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**115.62**	
4.20	4.22	4.24	71096.45	30.228351			1
+ 4.26	4.26	4.30	240369.4	57.799783			2
+ 4.26	4.28	4.30	98451.18	23.673799			2
4.26	4.30	4.30	729142.8	175.331367			2
4.35	4.37	4.39	2029596	1039.007754			3
4.42	4.44	4.46	93128.05	36.255445			4
4.64	4.67	4.68	320621.1	177.293979			5
4.72	4.74	4.76	2674720	933.492164			6
Height Summation:			**5918304.4**				
Amount Avg CF:			**398.60151**	Linear:			
Aroclor-1260					**6**	**27.07**	
4.35	4.37	4.39	2029596	668.219033			1
4.49	4.51	4.53	2169360	622.62802			2
4.60	4.61	4.64	1834534	651.168555			3
4.72	4.74	4.76	2674720	786.742429			4
5.14	5.16	5.18	4853388	1105.706244			5
5.40	5.42	5.44	2837793	1091.731795			6
Height Summation:			**16399391**				
Amount Avg CF:			**821.032679**	Linear:			
Aroclor-1262					**6**	**27.01**	
4.76	4.77	4.80	1713797	515.548994			1
4.95	4.97	4.99	2032926	657.174881			2
5.14	5.16	5.18	4853388	850.309722			3
5.36	5.37	5.40	817174.2	395.844013			4
5.40	5.42	5.44	2837793	814.931621			5
5.78	5.80	5.82	925292.6	620.855729			6
Height Summation:			**13180370.8**				
Amount Avg CF:			**642.44416**	Linear:			
Aroclor-1268					**6**	**119.20**	
5.36	5.37	5.40	817174.2	138.161298			1
5.40	5.42	5.44	2837793	500.408128			2
5.56	5.57	5.60	77320.48	16.308271			3
5.62	5.64	5.66	41840.68	36.252286			4
5.78	5.80	5.82	925292.6	569.285154			5
5.98	6.00	6.02	208525.3	18.6422			6
Height Summation:			**4907946.26**				
Amount Avg CF:			**213.176223**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			250.2454	48.577		** 108.95	4	40	
Aroclor-1221			250.2454	75.0736		** 113.53	3	40	
Aroclor-1232			250.2454	60.3533		** 80.46	4	40	
Aroclor-1242			250.2454	60.3533		** 109.04	4	40	
Aroclor-1248			250.2454	48.577		22.68	4	40	
Aroclor-1254			250.2454	64.7694		13.69	4	40	
Aroclor-1260			250.2454	57.4092		8.17	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197303** ACF DF5 T1-OE ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.19 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 15, 2017 17:06:04
Instrument	: CP 7--19843A
Result file	: 07PCBS17250007.0046.RAW
Calibration file	: 07PCBS1725001.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Sep 15, 2017 17:06:04
Instrument	: CP 7--19843B
Result file	: 07PCBS17250007B.0046.RAW
Calibration file	: 07PCBS1725001B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			250.2454	48.577		7.43	4	40	
Aroclor-1268			250.2454	48.577		26.39	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197303 ACF DF5 ACT1-OE T . 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:06:04 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0046.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.641		8531	10623
1.707		4027	3149
1.748		10025	9091
1.797		6592	7468
1.823		4445	3817
1.859		2171	1027
1.968		4825	4035
2.051		19090	23398
2.07		25504	29831
2.112		18585	34570
2.152		16765	29337
2.175		13443	11026
2.269		38988	28023
2.347		8711	12428
2.39		26217	38940
2.438		18318	20141
2.475		18899	18816
2.523		10330	21405
2.554		11722	10959
2.573		18725	18927
2.607		4098	4539
2.667		13436	9967
2.702		25065	14170
2.721		38858	23071
2.758		19867	22544
2.803		7359	5635
2.846		13651	17033
2.874		11455	8252
2.909		2967	1964
2.929		7679	3347
2.952		2656	2062
3	TCX	2252939	1488554
3.049		2936	1889
3.104		11873	11270
3.15		3570	3512
3.179		6270	3964
3.196		16300	10045
3.257		12228	12269
3.32		149048	157412
3.391		1867	1042
3.408		5241	6582
3.48		10426	21176
3.553		14132	27255
3.622		13538	39332
3.657		14214	10172
3.739		6806	4455
3.76		2903	2589
3.803		14684	12587
3.861		17558	19548
3.902		9259	7489
3.93		18303	14999
3.966		55881	40263
4.004		10357	12478

RT A	Compound A	Height A	Area A
4.056		6555	4357
4.113		5866	3632
4.136		37453	32558
4.166		7026	4464
4.22		2682	1928
4.23		2086	796
4.25		9155	5962
4.271		17986	11923
4.307		132214	107567
4.328		14795	8086
4.353		25316	24760
4.421		50315	59973
4.463		238359	215801
4.499		52364	41272
4.538		3298	2010
4.561		17051	12253
4.601		181390	177397
4.672		330030	381505
4.717		360049	318571
4.765		891378	981308
4.802		163826	110111
4.842		2004654	1818937
4.886		46449	42362
4.929		232095	255453
4.964		27002	17051
4.989		442841	404455
5.042		1965526	2458933
5.093		469938	438469
5.133		697211	583804
5.175		24586	12791
5.213		242626	283945
5.246		2257309	2057864
5.268		67518	33289
5.288		50392	24462
5.312		1366682	1226704
5.353		888752	877187
5.448		338688	257512
5.472		1561739	1382834
5.529		948977	861246
5.568		576640	556594
5.61		90742	91538
5.651		443980	434190
5.706		4481588	4448001
5.794		4315	3827
5.824		10561	7276
5.853		8552	7718
5.91		2710474	2538283
5.941		172573	116627
5.965		534637	622685
6.076		20775	15675
6.1		69766	59921
6.153		52543	44888
6.179		469520	444952
6.243		4273	2770
6.278		2712	1445
6.303		2225	852
6.334		961583	938547
6.378		66197	63090
6.501		1423	420
6.534		214590	207702
6.607		1247	657
6.65		1452	739
6.682	DCB	844376	881049
6.839		1227	364
6.937		1225	1201
6.962		1897	1589

RT A	Compound A	Height A	Area A
6.981		1521	872
7.08		1218	349
7.112		1539	763
7.121		1479	435
7.203		1985	1143
7.317		843	673
7.334		1624	456
7.373		1434	536
7.436		1342	520
7.487		1480	519
7.527		1238	900
7.853		1826	613
7.995		1292	764
8.034		1347	725
8.079		1500	435
8.087		1992	1111
8.121		1308	644
8.262		1304	442
8.282		1084	349
8.333		1688	928
8.569		1940	710

LANCASTER LABORATORIES

Sample Number: 9197303 ACF DF5 ACT1-OE T 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:06:04 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0046.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

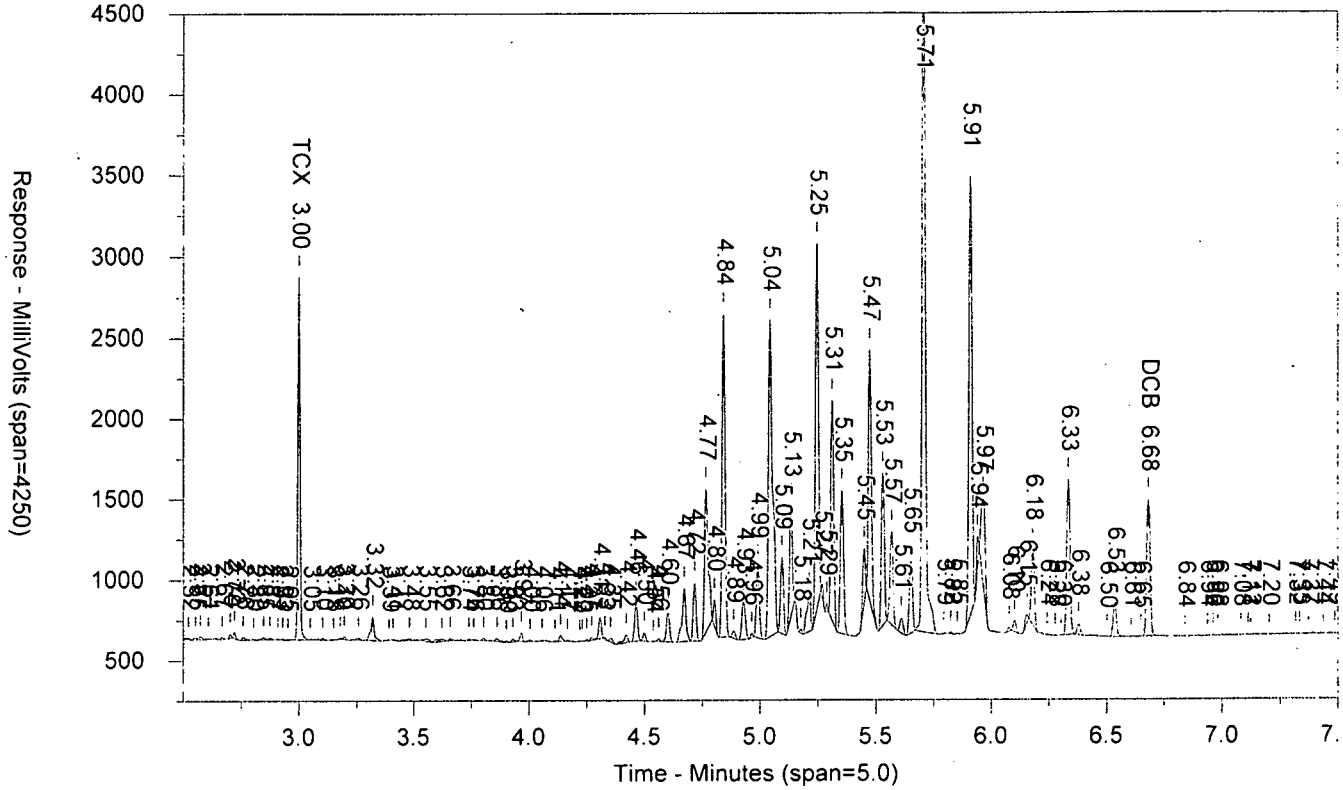
RT B	Compound B	Height B	Area A
1.527		8073	9562
1.551		14371	18517
1.588		6015	6648
1.615		7168	6884
1.655		12910	9493
1.687		1827	2016
1.759		5353	2474
1.783		5111	13168
1.833		8458	8401
1.864		19178	14493
1.898		1838	1218
1.967		26962	26534
1.994		40369	28715
2.027		16211	24281
2.07		26678	25287
2.151		2885	7065
2.17		20315	11393
2.222		3544	2413
2.268		25896	24459
2.325		2986	1577
2.347		12776	5643
2.365		14870	9624
2.401		45972	26684
2.461		19750	13588
2.496		1701	1027
2.529		8153	4388
2.555		17048	14689
2.603		4433	2655
2.652	TCX	2447183	1499536
2.737		22907	26506
2.787		3492	3015
2.823		18610	14805
2.869		21735	12571
2.909		12735	10691
2.948		146052	124387
2.993		14428	16361
3.047		3392	6401
3.077		9946	9437
3.112		3081	2529
3.156		12820	15211
3.218		2825	1155
3.239		8896	7627
3.268		12797	17524
3.304		20727	24669
3.362		8362	8950
3.392		5326	3707
3.422		6811	5722
3.466		12465	13172
3.533		18027	13109
3.566		14610	7703
3.59		56861	36382
3.623		14704	14604
3.664		2984	1296
3.692		12298	10468

3.714		19528	13663
3.738		13646	10594
3.767		35779	21921
3.821		9139	7504
3.867		28902	29889
3.902		9138	4176
3.917		148721	94576
3.941		8995	5015
3.963		11242	6006
3.981		52395	34996
4.017		224435	160092
4.05		45754	27997
4.066		27838	14864
4.132		10229	13104
4.153		116366	123523
4.183		4916	6760
4.22		71096	46789
4.263		240369	156169
4.281		98451	44754
4.295		729143	432011
4.32		357637	335554
4.373		2029596	1560621
4.416		60238	64969
4.443		93128	58259
4.468		578176	435878
4.51		2169360	1764534
4.614		1834534	1802330
4.667		320621	265873
4.706		725587	613057
4.743		2674720	2203055
4.775		1713797	1203177
4.814		1141500	909473
4.871		13528	14338
4.914		294562	213915
4.931		43290	20446
4.965		2032926	1586922
4.989		254976	168891
5.039		1133125	1006214
5.075		575157	459963
5.105		411431	332112
5.137		57514	30750
5.159		4853388	4074437
5.201		101220	70642
5.232		160378	130163
5.273		10117	8828
5.297		6787	3744
5.351		39203	23859
5.374		817174	671229
5.418		2837793	2992651
5.475		9114	8007
5.574		77320	64886
5.619		74072	55878
5.643		41841	27320
5.665		7586	3742
5.692		476739	389092
5.733		4626	4585
5.799		925293	793205
5.83		52064	38373
5.999		208525	189040
6.158	DCB	963573	912322
6.331		2609	1481
6.361		17882	17889
6.531		1955	2366
6.646		1675	2089
7.073		3990	4446
7.344		1474	4252
7.41		1156	1299

7.629	3134	4864
8.303	7998	14844

9197303 ACF DF5 ACT1-OE T 172510041A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250007.0046.RAW



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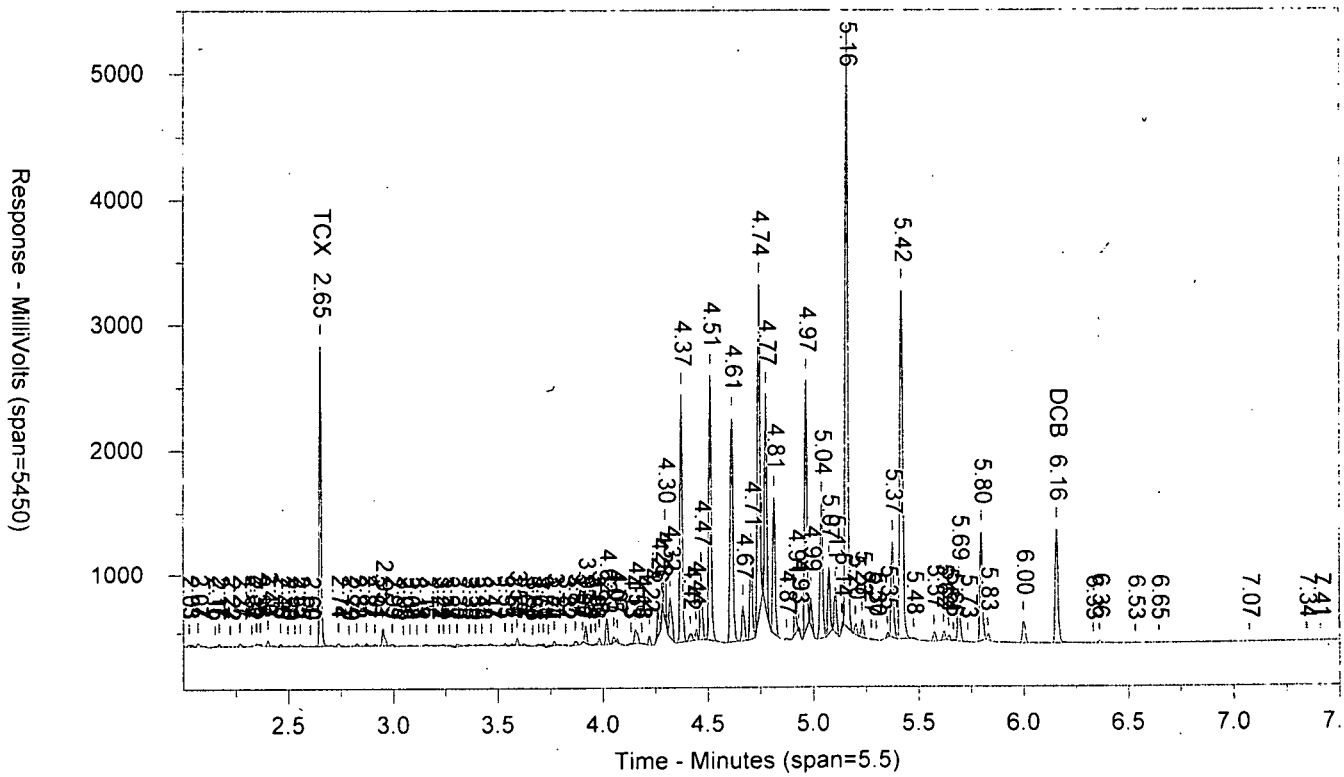

LANCASTER LABORATORIES

Sample Number: 9197303 ACF DF5 ACT1-OE T 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:06:04 PM
Sample Weight: 10.19
Instrument ID: CP7-19843A
Dilution Factor: 50
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	2252939	29.206	TCX	2.652	2447183	30.898	TCX
6.682	844376	30.695	DCB	6.158	963573	29.679	DCB

Files:
Area File: 07pcbs17250007.0046.RAW
Area File: 07pcbs17250007B.0046.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 5:14:48 PM
File Reported On: 9/15/2017 at 5:14:57 PM

9197303 ACF DF5 ACT1-OE T 172510041A 10225 SW-846 8082

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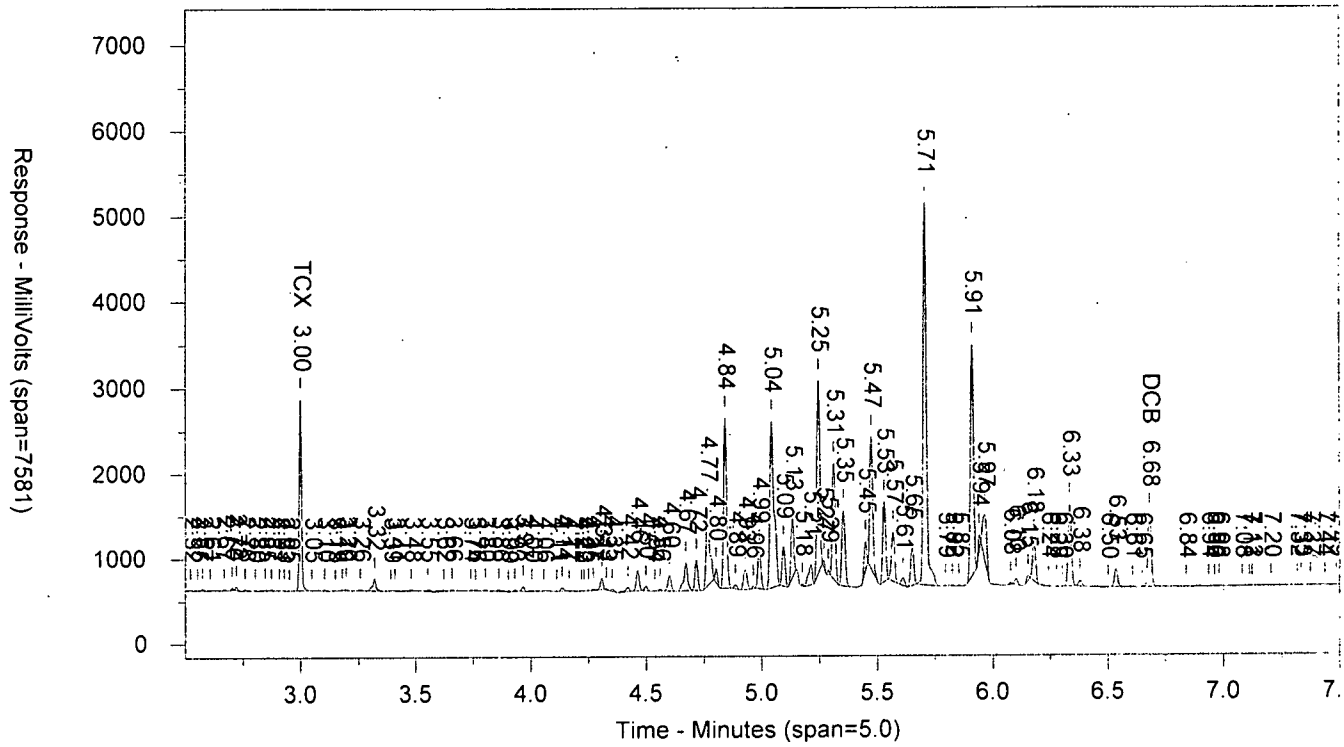

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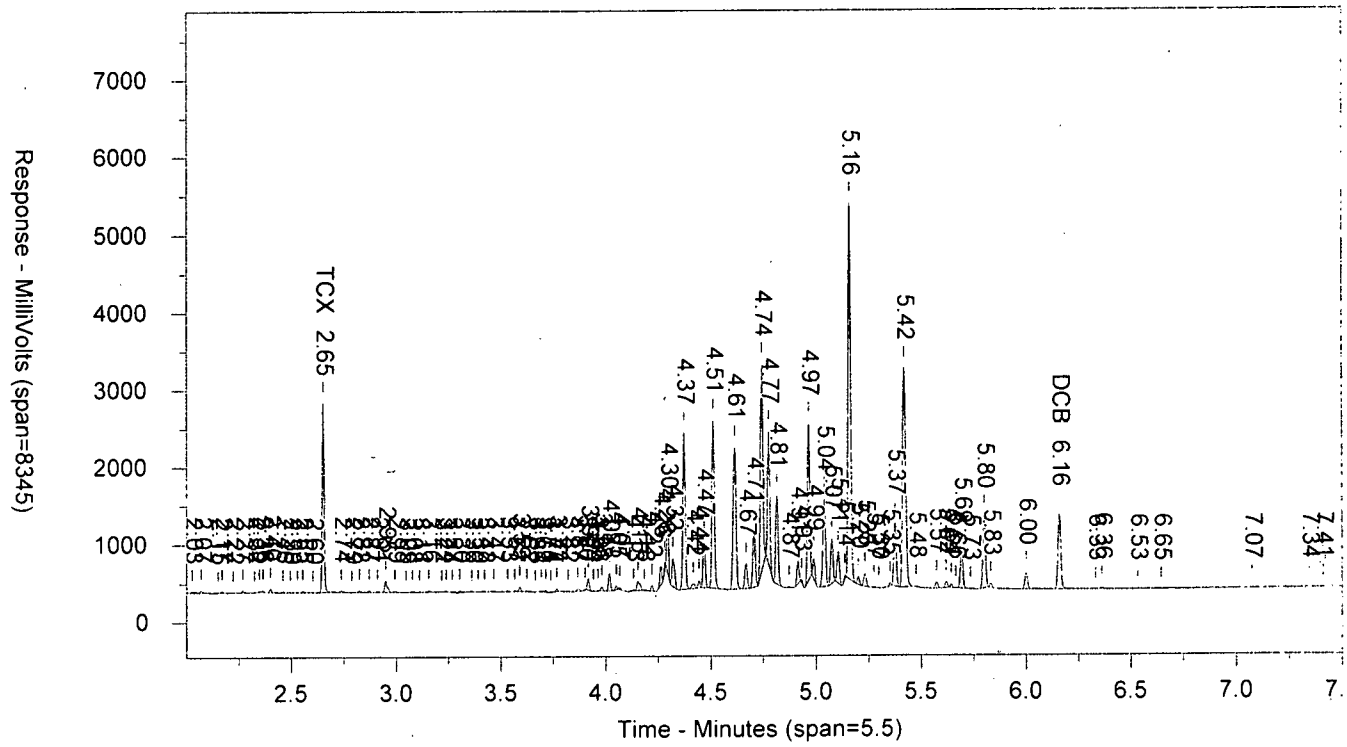

9197303 ACF DF5 ACT1-OE T 172510041A 10225 SW-846 8082

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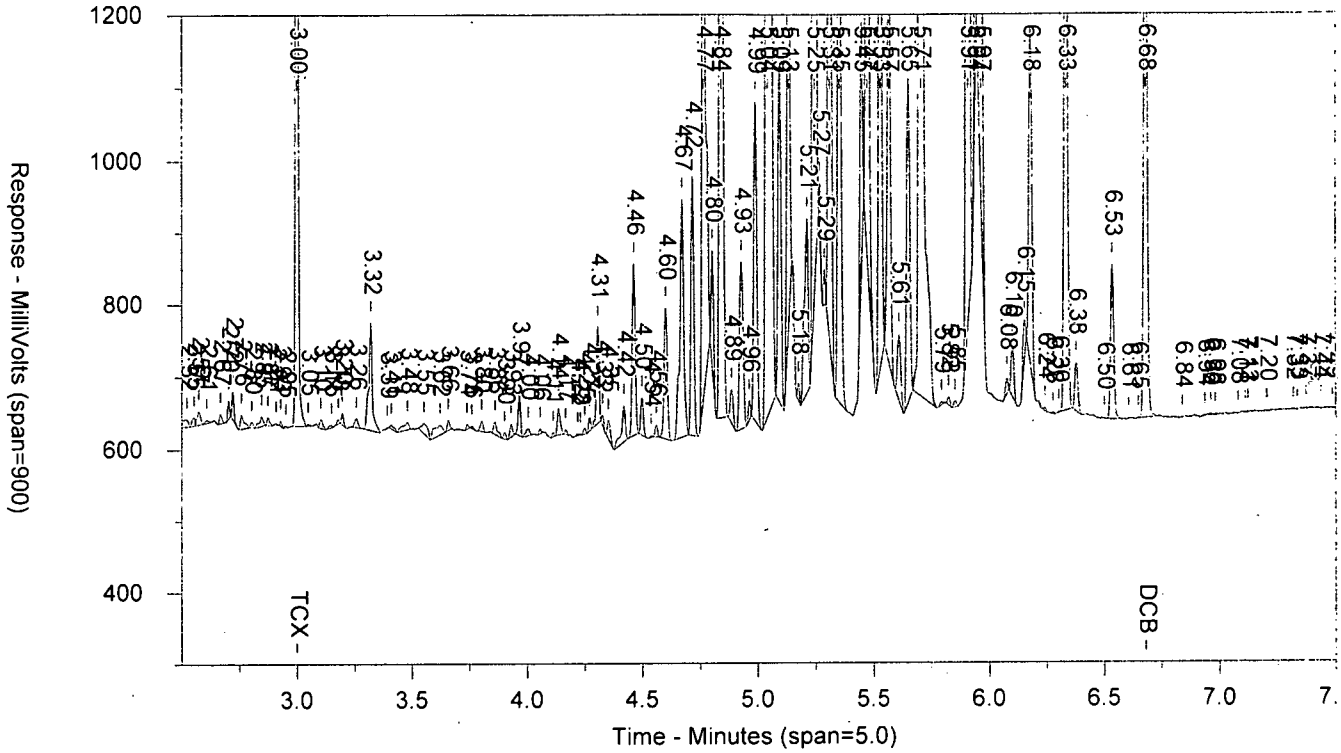

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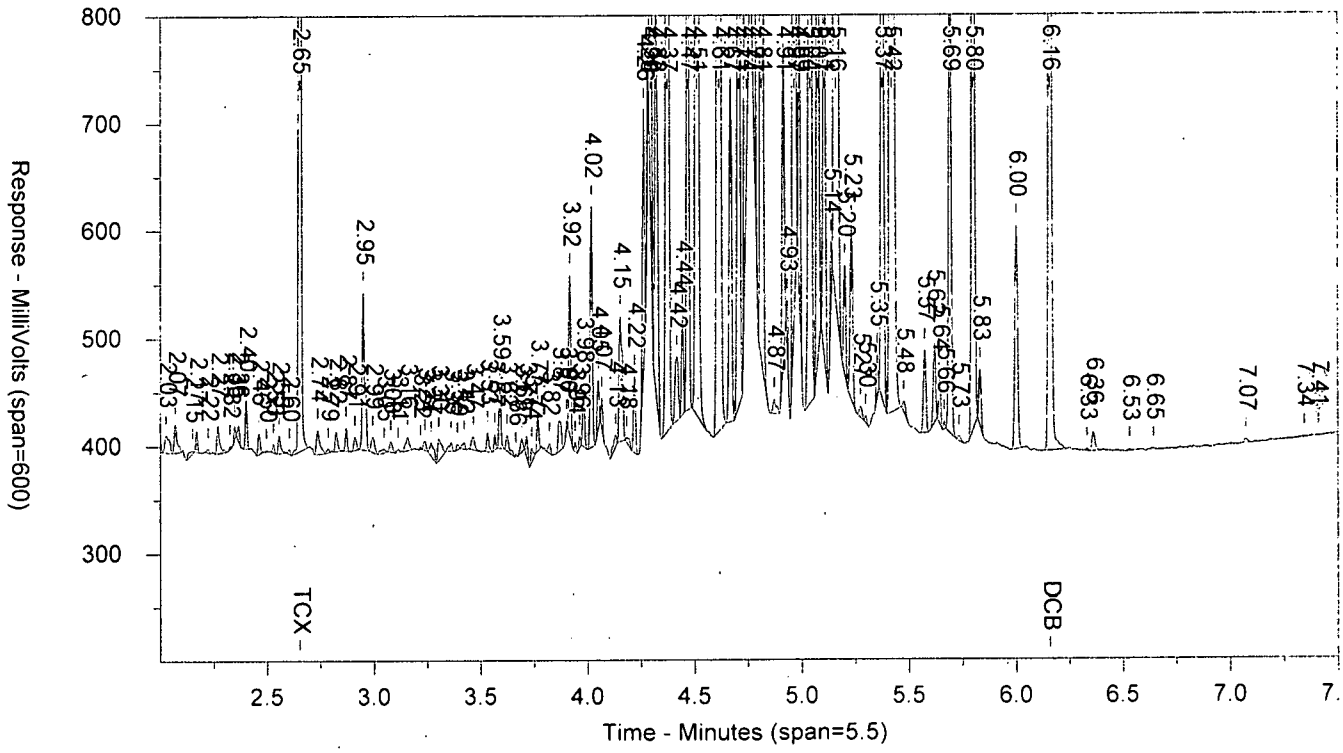

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Data Summary

Sample Name: 9197306 ACF DF10 T1-D3 Sample ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 17:40:37
Instrument	19843A
Result file	07PCBS17250007.0049.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 75% (61 - 152) Conc: 22.31161
%SSR(DCB) 111% (48 - 164) Conc: 29.36829

Analysis Report (B)

Injected on	Sep 15, 2017 17:40:37
Instrument	19843B
Result file	07PCBS17250007B.0049.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 76% (61 - 152) Conc: 22.78916
%SSR(DCB) 95% (48 - 164) Conc: 25.13302

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	863080	22.31161
Decachlorobiphenyl	6.65	6.68	6.71	405131	29.36829

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	905122	22.78916
Decachlorobiphenyl	6.13	6.16	6.19	409188	25.13302

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	22.78916				2.12	
☑	Tetrachloro-m-xylene-D1	A	22.31161					
☑	Tetrachloro-m-xylene-D2	B	22.78916					
☐	Decachlorobiphenyl	A	29.36829				15.54	
☑	Decachlorobiphenyl-D1	A	29.36829					
☑	Decachlorobiphenyl-D2	B	25.13302					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.55**	
4.82	4.84	4.86	2691891	1809.72691			1
5.02	5.04	5.06	2883942	1975.19883			2
5.23	5.25	5.27	3239798	2338.460898			3
5.45	5.47	5.49	2001246	2494.420605			4
5.69	5.71	5.73	5605240	2852.920135			5
5.89	5.91	5.93	3535754	2751.825859			6

Height summation: **19957871**
Concentration CF: **2370.42554** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.52**	
4.35	4.37	4.39	2922119	1918.49391			1
4.49	4.51	4.53	3477162	1990.101568			2
4.60	4.61	4.64	2668114	1888.53623			3
4.72	4.74	4.76	3855257	2261.313968			4
5.14	5.16	5.18	6430270	2921.307292			5
5.40	5.42	5.44	3580144	2746.55958			6

Height summation: **22933066**
Concentration CF: **2287.718758** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<499.0215	<96.8689	D1		4	
☑	PCB-1221			<499.0215	<149.7065	D1		3	
☑	PCB-1232			<499.0215	<120.3523	D1		4	
☑	PCB-1242			<499.0215	<120.3523	D1		4	
☑	PCB-1248			<499.0215	<96.8689	D1		4	
☑	PCB-1254			<499.0215	<129.1585	D1		4	
☑	PCB-1260	A	2370.42554	499.0215	114.4814	D1	3.55	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:09:40

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197306** ACF DF10 T1-D3 ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:40:37
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0049.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 75% (61-152) Conc.: 22.31161
%SSR(DCB) : 111% (48-164) Conc.: 29.36829

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**42.08**	
3.23	3.26	3.27	9451.096	14.066411			1
3.45	3.48	3.49	9395.188	13.660962			2
3.56	3.56	3.60	12640.73	15.418291			3
+ 3.56	3.60	3.60	8517.516	10.389079			3
3.78	3.80	3.82	19003.16	20.172748			5
3.91	3.93	3.95	19070.94	33.004121			6
Height Summation:			**69561.114**				
Amount Avg CF:			**19.264507**	Linear:			
Aroclor-1221					**3**	**26.10**	
3.13	3.14	3.17	3403.614	10.94104			1
3.18	3.20	3.22	4762.734	16.737527			2
3.23	3.26	3.27	9451.096	10.904628			3
Height Summation:			**17617.444**				
Amount Avg CF:			**12.861065**	Linear:			
Aroclor-1232					**6**	**70.06**	
3.23	3.26	3.27	9451.096	11.989952			1
3.45	3.48	3.49	9395.188	28.543459			2
3.56	3.56	3.60	12640.73	32.050136			3
+ 3.56	3.60	3.60	8517.516	21.595869			3
3.74	3.74	3.78	6673.739	18.038093			4
3.78	3.80	3.82	19003.16	41.158475			5
3.91	3.93	3.95	19070.94	82.052372			6
Height Summation:			**76234.853**				
Amount Avg CF:			**35.638748**	Linear:			
Aroclor-1242					**6**	**52.65**	
3.23	3.26	3.27	9451.096	10.505479			1
3.45	3.48	3.49	9395.188	10.388223			2
3.56	3.56	3.60	12640.73	11.725667			3
+ 3.56	3.60	3.60	8517.516	7.900933			3
3.74	3.74	3.78	6673.739	5.618257			4
3.78	3.80	3.82	19003.16	14.58368			5
3.91	3.93	3.95	19070.94	25.930437			6
Height Summation:			**76234.853**				
Amount Avg CF:			**13.12529**	Linear:			
Aroclor-1248					**6**	**129.27**	
3.78	3.80	3.82	19003.16	40.921766			1
+ 3.84	3.84	3.88	1079.464	2.185151			2
3.84	3.86	3.88	20029.13	40.544822			2
3.91	3.93	3.95	19070.94	23.185143			3
4.03	4.06	4.07	5766.682	6.208717			4
4.12	4.14	4.16	50604.05	62.928931			5
4.30	4.31	4.34	221237.6	257.569599			6
+ 4.30	4.33	4.34	14392.79	16.756397			6
Height Summation:			**335711.562**				
Amount Avg CF:			**71.893163**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 17:40:37
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0049.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 76% (61-152) Conc.: 22.78916
%SSR(DCB) : 95% (48-164) Conc.: 25.13302

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**140.27**	
2.92	2.95	2.96	226064	328.886322			1
3.12	3.16	3.16	10029.95	11.473505			2
3.25	3.27	3.29	12434.6	14.390735			3
3.44	3.47	3.48	16534.18	19.009058			5
3.57	3.59	3.61	80082.7	111.77893			6
Height Summation:			**345145.43**				
Amount Avg CF:			**97.10771**	Linear:			
Aroclor-1221					**3**	**111.25**	
2.80	2.82	2.84	13105.8	35.005446			1
2.86	2.87	2.90	9803.969	41.74701			2
2.92	2.95	2.96	226064	244.889113			3
Height Summation:			**248973.769**				
Amount Avg CF:			**107.213856**	Linear:			
Aroclor-1232					**5**	**104.16**	
2.92	2.95	2.96	226064	268.823663			1
3.12	3.16	3.16	10029.95	22.724925			2
3.25	3.27	3.29	12434.6	29.128395			3
3.44	3.47	3.48	16534.18	38.097771			5
3.57	3.59	3.61	80082.7	265.86388			6
Height Summation:			**345145.43**				
Amount Avg CF:			**124.927727**	Linear:			
Aroclor-1242					**5**	**134.52**	
2.92	2.95	2.96	226064	237.828013			1
3.12	3.16	3.16	10029.95	12.993455			2
3.25	3.27	3.29	12434.6	11.009614			3
3.44	3.47	3.48	16534.18	13.733724			5
3.57	3.59	3.61	80082.7	88.427816			6
Height Summation:			**345145.43**				
Amount Avg CF:			**72.798524**	Linear:			
Aroclor-1248					**6**	**102.68**	
3.44	3.47	3.48	16534.18	41.504031			1
3.51	3.53	3.55	22245.51	40.733986			2
3.55	3.57	3.59	15394.65	16.370045			3
3.67	3.69	3.71	15189.95	13.434197			4
3.76	3.77	3.80	50497.52	64.587842			5
3.90	3.92	3.94	261263	175.668905			6
Height Summation:			**381124.81**				
Amount Avg CF:			**58.716501**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197306** ACF DF10 T1-D3 ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:40:37
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0049.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**123.27**	
4.29	4.31	4.32	221237.6	238.872127			1
+ 4.63	4.63	4.67	7422.621	7.556802			2
4.63	4.67	4.67	441934.6	449.923574			2
4.69	4.72	4.73	541207.8	260.446272			3
4.91	4.93	4.95	293996.6	231.445284			4
5.11	5.13	5.15	1192173	1640.282429			5
5.23	5.25	5.27	3239798	3393.250502			6
Height Summation:			**5930347.6**				
Amount Avg CF:			**1035.703365**	Linear:			
Aroclor-1260					**6**	**17.55**	
4.82	4.84	4.86	2691891	1809.72691			1
5.02	5.04	5.06	2883942	1975.19883			2
5.23	5.25	5.27	3239798	2338.460898			3
5.45	5.47	5.49	2001246	2494.420605			4
5.69	5.71	5.73	5605240	2852.920135			5
5.89	5.91	5.93	3535754	2751.825859			6
Height Summation:			**19957871**				
Amount Avg CF:			**2370.42554**	Linear:			
Aroclor-1262					**6**	**31.75**	
5.29	5.31	5.33	1763106	1481.233091			1
5.45	5.47	5.49	2001246	1891.260186			2
E 5.69	5.71	5.73	5605240	2414.177851			3
E 5.89	5.91	5.93	3535754	2231.172515			4
5.95	5.97	5.99	690019.2	865.376414			5
6.31	6.33	6.35	1185510	1658.100902			6
Height Summation:			**14780875.2**				
Amount Avg CF:			**1756.886826**	Linear:			
Aroclor-1268					**6**	**96.30**	
5.89	5.91	5.93	3535754	1243.761888			1
5.95	5.97	5.99	690019.2	280.698002			2
6.08	6.10	6.12	70216.27	29.764131			3
+ 6.14	6.15	6.18	84466.88	136.372986			4
6.14	6.18	6.18	593673.2	958.493872			4
6.31	6.33	6.35	1185510	1630.736903			5
6.51	6.54	6.55	261693.8	54.691868			6
Height Summation:			**6336866.47**				
Amount Avg CF:			**699.691111**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 17:40:37
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0049.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**119.63**	
4.20	4.22	4.24	84048.66	71.260788			1
+ 4.26	4.26	4.30	323410.9	155.079705			2
+ 4.26	4.28	4.30	139319	66.80526			2
4.26	4.30	4.30	949931.8	455.50457			2
4.35	4.37	4.39	2922119	2983.048899			3
4.42	4.44	4.46	103815.7	80.595177			4
4.64	4.67	4.68	407929.7	449.821799			5
4.72	4.74	4.76	3855257	2683.113039			6
Height Summation:			**8323101.86**				
Amount Avg CF:			**1120.557379**	Linear:			
Aroclor-1260					**6**	**19.52**	
4.35	4.37	4.39	2922119	1918.49391			1
4.49	4.51	4.53	3477162	1990.101568			2
4.60	4.61	4.64	2668114	1888.53623			3
4.72	4.74	4.76	3855257	2261.313968			4
5.14	5.16	5.18	6430270	2921.307292			5
5.40	5.42	5.44	3580144	2746.55958			6
Height Summation:			**22933066**				
Amount Avg CF:			**2287.718758**	Linear:			
Aroclor-1262					**6**	**29.08**	
4.76	4.78	4.80	2160037	1295.761403			1
4.95	4.97	4.99	2520317	1624.680012			2
E 5.14	5.16	5.18	6430270	2246.542429			3
5.36	5.37	5.40	990597.7	956.885632			4
E 5.40	5.42	5.44	3580144	2050.190587			5
5.78	5.80	5.82	1196974	1601.583569			6
Height Summation:			**16878339.7**				
Amount Avg CF:			**1629.273939**	Linear:			
Aroclor-1268					**6**	**122.63**	
5.36	5.37	5.40	990597.7	333.981459			1
5.40	5.42	5.44	3580144	1258.917935			2
5.56	5.57	5.60	84908.62	35.712352			3
5.62	5.64	5.66	35322.18	61.029168			4
5.78	5.80	5.82	1196974	1468.550111			5
5.98	6.00	6.02	269047	47.964492			6
Height Summation:			**6156993.5**				
Amount Avg CF:			**534.359253**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			499.0215	96.8689		** 133.78	4	40	
Aroclor-1221			499.0215	149.7065		** 157.16	3	40	
Aroclor-1232			499.0215	120.3522		** 111.22	4	40	
Aroclor-1242			499.0215	120.3522		** 138.90	4	40	
Aroclor-1248			499.0215	96.8689		20.18	4	40	
Aroclor-1254			499.0215	129.1585		7.87	4	40	
Aroclor-1260			499.0215	114.4814		3.55	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197306** ACF DF10 T1-D3 ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:40:37
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0049.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2017 17:40:37
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0049.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			499.0215	96.8689	E	7.54	4	40	
Aroclor-1268			499.0215	96.8689		26.79	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197306 ACF DF10 ACT1-D3 T 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:40:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0049.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.642		16417	19571
1.722		6408	9440
1.748		14193	16470
2.067		20775	49918
2.111		18918	29353
2.149		10555	15068
2.27		70706	60864
2.39		19670	25244
2.437		9987	7609
2.503		4885	4260
2.55		10092	10819
2.575		11345	10839
2.608		2103	667
2.668		8369	7394
2.703		34142	19267
2.721		61403	37661
2.759		12588	10938
2.804		6816	5566
2.848		8545	13672
2.875		15815	9639
2.903		2801	2292
2.952		3652	3577
3	TCX	863080	578172
3.106		11032	9853
3.144		3404	3319
3.181		4187	3573
3.197		4763	2106
3.257		9451	13764
3.32		222072	209326
3.395		1853	4306
3.478		9395	19490
3.538		2703	1283
3.561		12641	14645
3.599		8518	11225
3.659		17339	12000
3.701		1837	1491
3.74		6674	4704
3.804		19003	16107
3.839		1079	302
3.86		20029	21734
3.905		9287	7474
3.931		19071	15442
3.967		76037	54580
4.003		12642	14982
4.032		3067	1522
4.056		5767	3925
4.114		7527	4698
4.137		50604	42964
4.167		3527	1983
4.218		4103	2846
4.234		1747	552
4.25		7573	4772
4.272		27231	17416

RT A	Compound A	Height A	Area A
4.308		221238	188595
4.328		14393	7003
4.355		34460	30341
4.421		85937	105307
4.464		301089	264658
4.499		64659	51154
4.54		3581	2262
4.561		23413	16738
4.602		238738	231022
4.634		7423	3696
4.672		441935	495271
4.717		541208	482194
4.766		1146469	1287989
4.803		249664	174448
4.843		2691891	2537318
4.885		65976	58105
4.928		293997	325106
4.964		34767	23000
4.989		585809	527266
5.042		2883942	3540331
5.093		592216	549550
5.133		1192173	1308459
5.175		34360	18419
5.213		307854	364983
5.246		3239798	2854102
5.268		90322	44016
5.288		69438	32305
5.312		1763106	1533896
5.354		1185533	1109534
5.45		397765	330944
5.474		2001246	1730868
5.53		1177650	1064296
5.568		742007	701530
5.609		110073	114127
5.652		576592	550252
5.682		9219	6298
5.707		5605240	5574627
5.794		12163	11478
5.825		10756	9271
5.853		8771	7674
5.911		3535755	3220787
5.942		187802	133471
5.966		690019	744914
6.077		31800	22833
6.101		70216	59046
6.153		84467	68600
6.18		593673	561219
6.241		4827	4004
6.306		2568	1676
6.334		1185510	1178718
6.379		83601	78834
6.536		261694	259473
6.617		1759	443
6.65		3056	1707
6.683	DCB	405131	414406
6.845		1551	1121
6.873		1575	500
6.963		8896	27393
7.027		1816	1728
7.06		1476	556
7.115		2096	2354
7.19		1669	722
7.206		1720	599
7.374		1640	828
7.389		1147	420
7.4		1582	492

RT A	Compound A	Height A	Area A
7.529		1993	685
7.749		1705	1128
7.854		2047	1220
7.886		1971	463
7.983		1924	340
8.096		23424	44106
8.249		1492	731
8.289		816	540
8.316		1656	445
8.58		1629	666
8.594		1729	500

LANCASTER LABORATORIES

Sample Number: 9197306 ACF DF10 ACT1-D3 T 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:40:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0049.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.526		10927	10470
1.616		3430	2524
1.661		5461	5398
1.78		2941	4257
1.833		10746	11162
1.867		10451	9074
1.899		2485	2439
1.968		13466	15356
1.993		68263	47797
2.028		13313	21786
2.071		17847	19125
2.104		5186	3775
2.147		3482	7044
2.17		9755	5231
2.224		3121	3420
2.269		16826	17792
2.329		2669	2005
2.347		24036	28059
2.401		67084	39606
2.461		12628	9206
2.529		13558	8032
2.555		9212	7692
2.6		3257	2181
2.652	TCX	905122	570939
2.736		14971	19906
2.788		2954	3650
2.823		13106	9228
2.869		9804	5969
2.909		7389	6513
2.948		226064	175983
2.992		8960	9285
3.044		3123	5181
3.073		7227	6630
3.11		2562	2071
3.156		10030	14810
3.217		4846	2166
3.239		8998	6234
3.268		12435	17631
3.304		25390	26400
3.362		8504	8817
3.391		4512	2918
3.465		16534	18803
3.533		22246	17890
3.566		15395	8665
3.59		80083	51890
3.623		19289	18646
3.665		2935	1549
3.693		15190	13454
3.714		12630	8371
3.738		13519	9999
3.767		50498	30177
3.821		12477	10190
3.868		39429	40148
3.917		261263	201621

3.942		6449	3200
3.963		21325	11045
3.981		78966	51440
4.018		284762	201820
4.05		60498	35066
4.067		43445	23296
4.131		20007	24697
4.154		157265	161251
4.184		9135	11552
4.22		84049	54872
4.263		323411	204053
4.282		139319	70000
4.295		949932	563250
4.32		493536	477299
4.373		2922119	2185958
4.418		81059	85234
4.443		103816	64678
4.468		800494	585334
4.511		3477162	2591968
4.613		2668114	2558104
4.668		407930	335991
4.706		896692	796119
4.742		3855257	3109326
4.775		2160037	1521201
4.814		1467814	1169610
4.871		7650	4310
4.885		6332	3341
4.914		462109	467037
4.965		2520317	2018954
4.989		344793	222911
5.04		1443313	1276865
5.075		733664	583341
5.105		510892	421445
5.137		73084	42364
5.159		6430270	5232763
5.2		119188	88603
5.232		189877	153540
5.273		5797	4189
5.297		6986	4222
5.351		53670	32762
5.374		990598	821456
5.418		3580144	3822109
5.52		4503	4456
5.574		84909	71480
5.619		101240	77849
5.643		35322	22959
5.666		12479	7066
5.692		587949	488292
5.736		5871	4916
5.771		2008	873
5.799		1196974	1012586
5.831		66082	48208
5.943		1704	1588
6		269047	243040
6.159	DCB	409188	382205
6.331		5177	7361
6.362		87727	87543
6.584		4966	7574
6.642		3698	8928
6.943		1610	2677
7.072		1673	1571
7.533		5761	9283
7.627		45853	80890
7.948		2087	3957
8.294		8732	16437
8.526		1285	1676

9197306 ACF DF10 ACT1-D3 T 172510041A 10225 SW-846 8082

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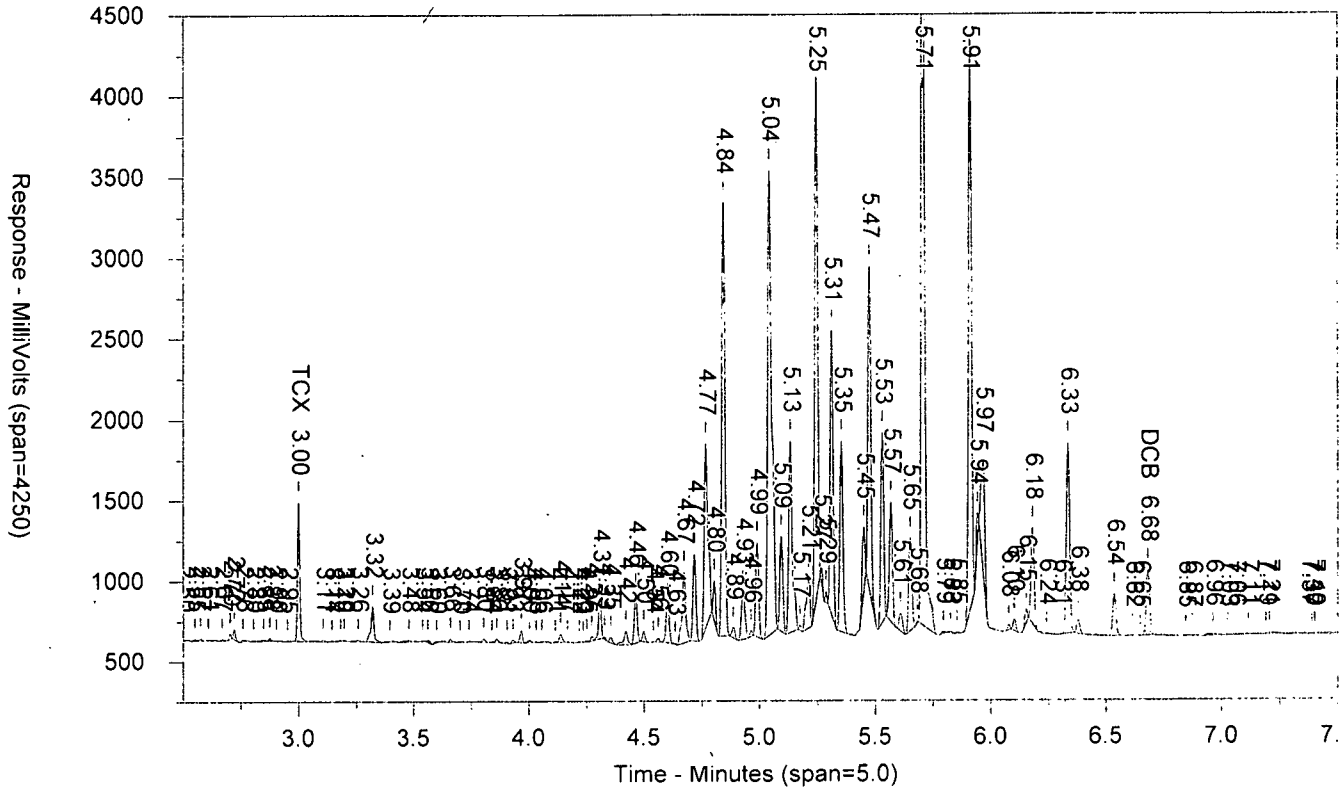

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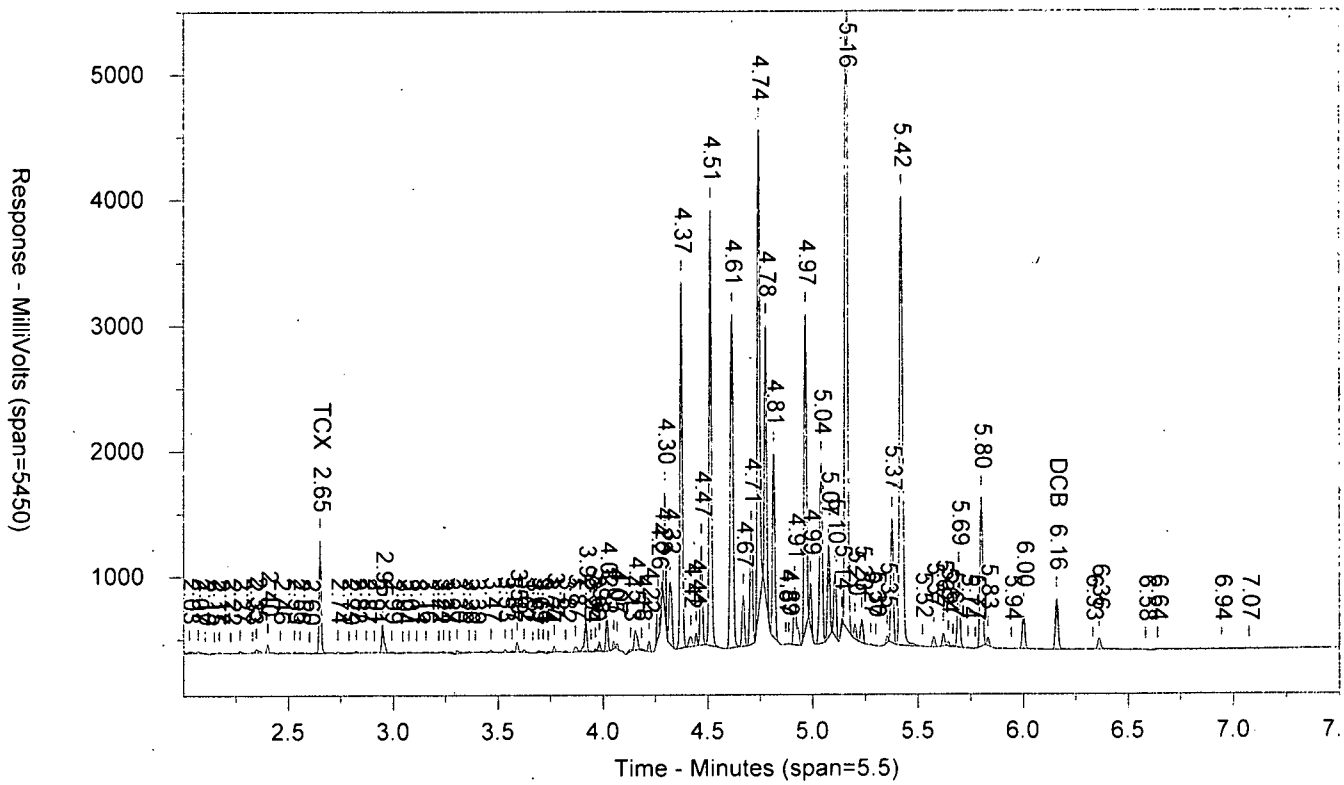

LANCASTER LABORATORIES

Sample Number: 9197306 ACF DF10 ACT1-D3 T 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:40:37 PM
Sample Weight: 10.22
Instrument ID: CP7-19843A
Dilution Factor: 100
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	863080	22.312	TCX	2.652	905122	22.789	TCX
6.683	405131	29.368	DCB	6.159	409188	25.133	DCB

Files:
Area File: 07pcbs17250007.0049.RAW
Area File: 07pcbs17250007B.0049.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 5:49:20 PM
File Reported On: 9/15/2017 at 5:49:27 PM

9197306 ACF DF10 ACT1-D3 T 172510041A 10225 SW-846 8082

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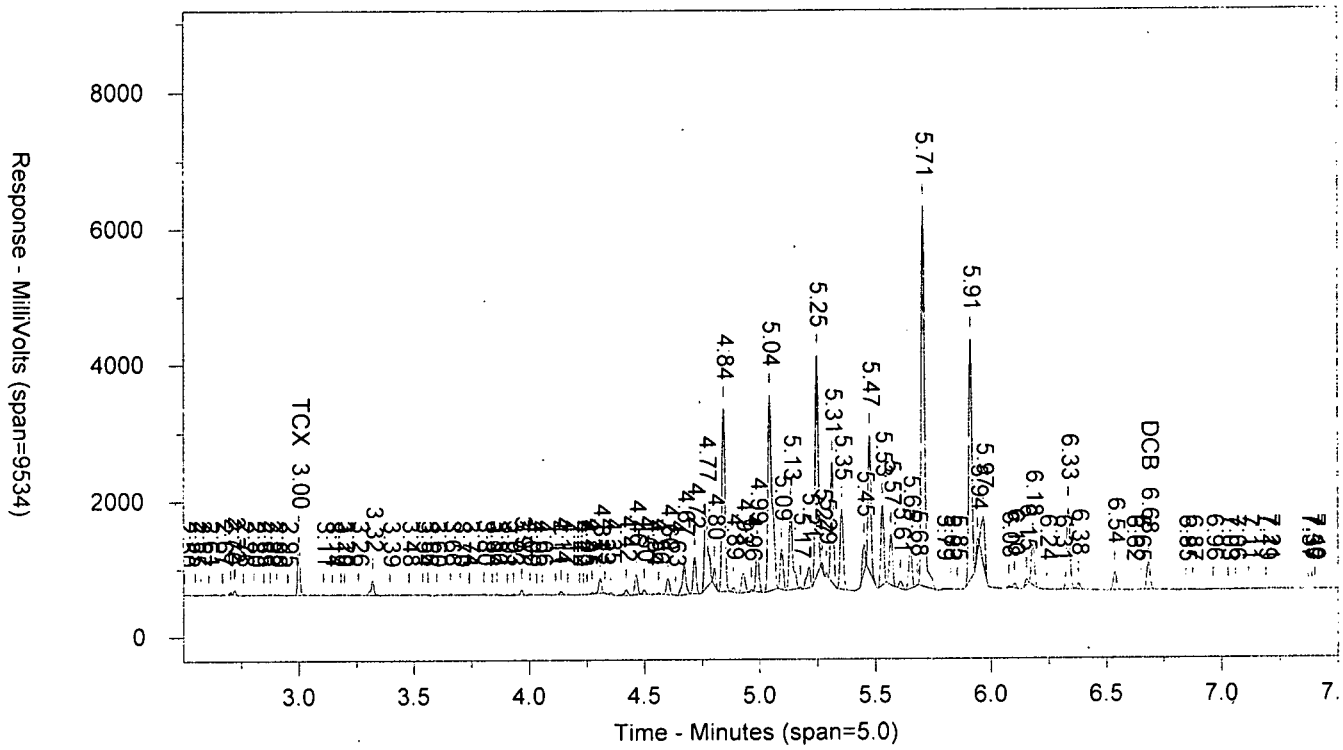

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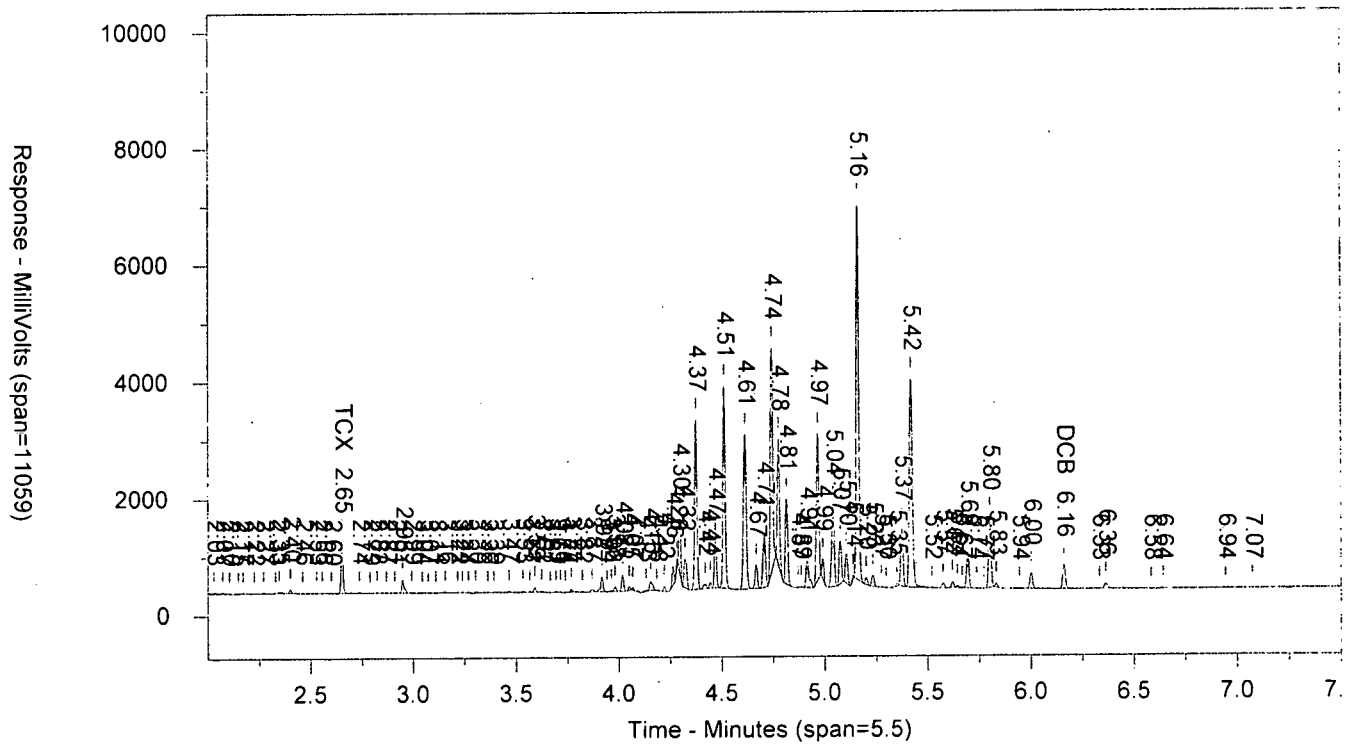

9197306 ACF DF10 ACT1-D3 T 172510041A 10225 SW-846 8082

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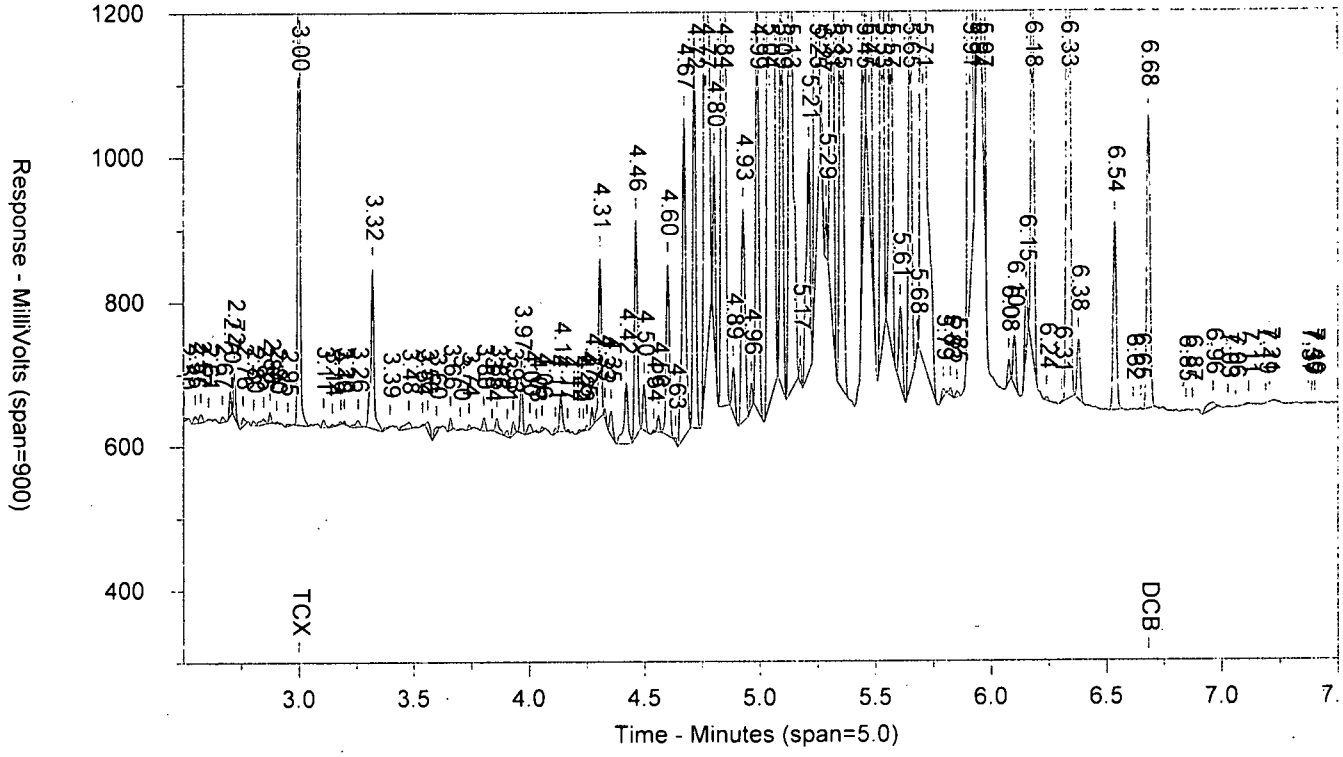

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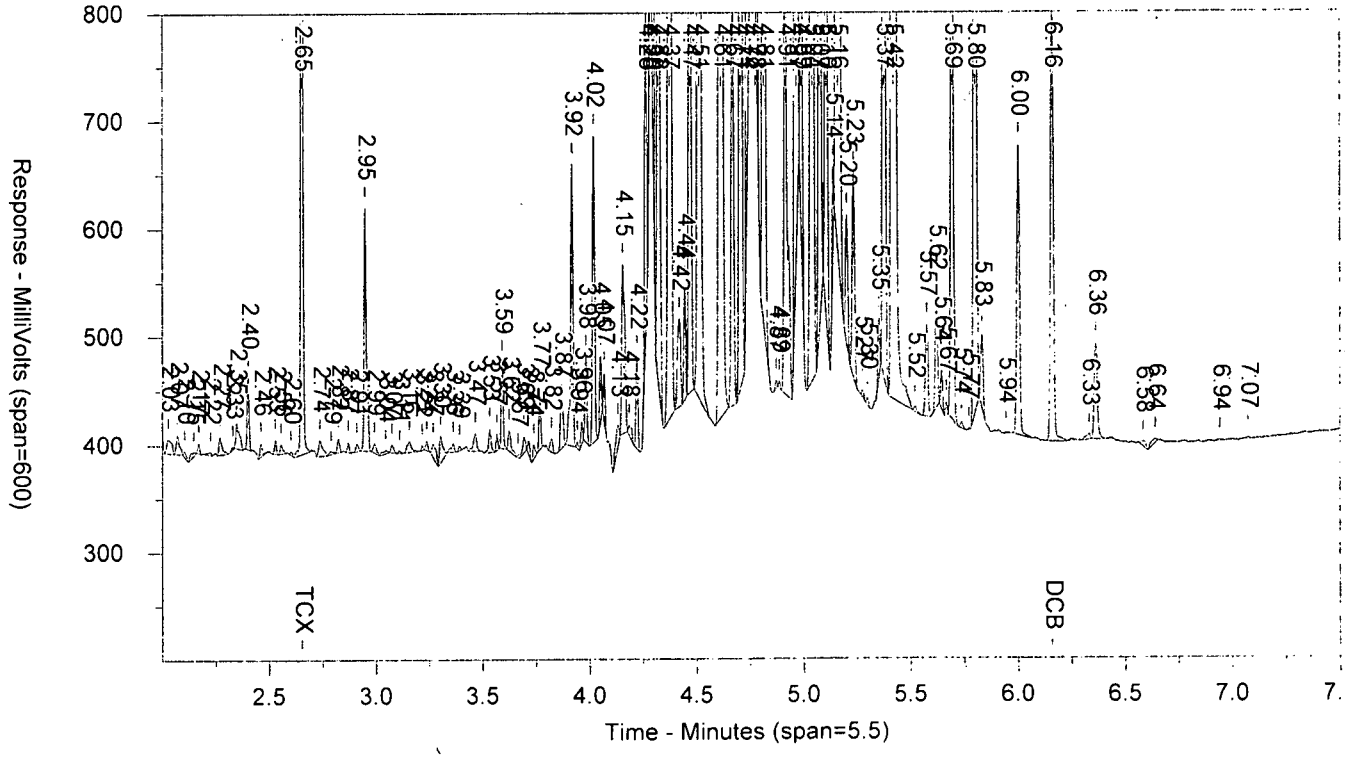

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Data Summary

Sample Name: 9197307 ACF DF50 T1-1W Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.02 g Total Volume: 500 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 01:11:49
Instrument	19843A
Result file	07PCBS17250008.0046.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 103% (61 - 152) Conc: 31.39727
%SSR(DCB) 156% (48 - 164) Conc: 42.23571

Analysis Report (B)

Injected on	Sep 18, 2017 01:11:49
Instrument	19843B
Result file	07PCBS17250008B.0046.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 106% (61 - 152) Conc: 32.29605
%SSR(DCB) 140% (48 - 164) Conc: 37.94593

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	238155	31.39727
Decachlorobiphenyl	6.65	6.68	6.71	114247	42.23571

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	251522	32.29605
Decachlorobiphenyl	6.13	6.16	6.19	121141	37.94593

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	32.29605				2.82	
☑	Tetrachloro-m-xylene-D1	A	31.39727					
☑	Tetrachloro-m-xylene-D2	B	32.29605					
☐	Decachlorobiphenyl	A	42.23571				10.70	
☑	Decachlorobiphenyl-D1	A	42.23571					
☑	Decachlorobiphenyl-D2	B	37.94593					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.29**	
4.82	4.84	4.86	1050538	3601.807671			1
5.02	5.04	5.06	1221413	4266.188241			2
5.23	5.24	5.27	1154464	4249.577488			3
5.45	5.47	5.49	706802	4492.831767			4
5.69	5.71	5.73	1869335	4852.166751			5
5.89	5.91	5.93	1198074	4755.275993			6

Height summation: **7200626**
Concentration CF: **4369.641319** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.85**	
4.35	4.37	4.39	1057996	3542.41739			1
4.49	4.51	4.53	1402301	4093.028225			2
4.60	4.61	4.64	1007857	3638.086614			3
4.72	4.74	4.76	1437127	4298.885306			4
5.14	5.16	5.18	2141722	4962.086267			5
5.40	5.42	5.44	1227452	4802.26615			6

Height summation: **8274455**
Concentration CF: **4222.794992** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2544.9101	<494.012	D1		4	
☑	PCB-1221			<2544.9101	<763.473	D1		3	
☑	PCB-1232			<2544.9101	<613.7724	D1		4	
☑	PCB-1242			<2544.9101	<613.7724	D1		4	
☑	PCB-1248			<2544.9101	<494.012	D1		4	
☑	PCB-1254			<2544.9101	<658.6826	D1		4	
☑	PCB-1260	A	4369.641319	2544.9101	583.8323	D1	3.42	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 19 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:58:24

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197307** ACF DF50 T1-1W Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.02 g Total Volume: 500 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 01:11:49
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0046.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 103% (61-152) Conc.: 31.39727
%SSR(DCB) : 156% (48-164) Conc.: 42.23571

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**74.61**	
3.78	3.80	3.82	4258.768	23.055598			5
3.91	3.93	3.95	8446.321	74.544711			6
+ 3.91	3.95	3.95	636.1859	5.614787			6
Height Summation:			**12705.089**				
Amount Avg CF:			**48.800155**	Linear:			
Aroclor-1232					**2**	**84.16**	
3.78	3.80	3.82	4258.768	47.040357			5
3.91	3.93	3.95	8446.321	185.327472			6
+ 3.91	3.95	3.95	636.1859	13.959063			6
Height Summation:			**12705.089**				
Amount Avg CF:			**116.183915**	Linear:			
Aroclor-1242					**2**	**78.76**	
3.78	3.80	3.82	4258.768	16.667807			5
3.91	3.93	3.95	8446.321	58.567744			6
+ 3.91	3.95	3.95	636.1859	4.411385			6
Height Summation:			**12705.089**				
Amount Avg CF:			**37.617775**	Linear:			
Aroclor-1248					**6**	**195.62**	
3.78	3.80	3.82	4258.768	46.769821			1
+ 3.84	3.85	3.88	1153.355	11.906647			2
3.84	3.85	3.88	2446.608	25.25753			2
+ 3.84	3.88	3.88	1394.623	14.397375			2
3.91	3.93	3.95	8446.321	52.367089			3
+ 3.91	3.95	3.95	636.1859	3.944345			3
4.03	4.05	4.07	2381.266	13.074858			4
4.12	4.13	4.16	6966.532	44.180934			5
4.30	4.31	4.34	151065.1	896.918506			6
Height Summation:			**175564.595**				
Amount Avg CF:			**179.761456**	Linear:			
Aroclor-1254					**6**	**113.36**	
4.29	4.31	4.32	151065.1	831.809469			1
+ 4.63	4.65	4.67	18893.51	98.094932			2
4.63	4.67	4.67	115857.8	601.532643			2
4.69	4.71	4.73	264097.1	648.14311			3
4.91	4.93	4.95	133778.5	537.088098			4
5.11	5.13	5.15	493858.7	3465.255314			5
5.23	5.24	5.27	1154464	6166.398145			6
Height Summation:			**2313121.2**				
Amount Avg CF:			**2041.704463**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 01:11:49
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0046.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 106% (61-152) Conc.: 32.29605
%SSR(DCB) : 140% (48-164) Conc.: 37.94593

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**174.22**	
2.92	2.95	2.96	161653.9	1199.371624			1
3.12	3.15	3.16	4276.05	24.945562			2
3.44	3.46	3.48	2934.885	17.207676			5
3.57	3.59	3.61	12309.58	87.622907			6
Height Summation:			**181174.415**				
Amount Avg CF:			**332.286942**	Linear:			
Aroclor-1221					**3**	**133.59**	
2.80	2.82	2.84	7738.538	105.410573			1
2.86	2.87	2.90	2585.143	56.138551			2
2.92	2.95	2.96	161653.9	893.053415			3
Height Summation:			**171977.581**				
Amount Avg CF:			**351.53418**	Linear:			
Aroclor-1232					**4**	**140.94**	
2.92	2.95	2.96	161653.9	980.337132			1
3.12	3.15	3.16	4276.05	49.40827			2
3.44	3.46	3.48	2934.885	34.487457			5
3.57	3.59	3.61	12309.58	208.409276			6
Height Summation:			**181174.415**				
Amount Avg CF:			**318.160534**	Linear:			
Aroclor-1242					**4**	**170.27**	
2.92	2.95	2.96	161653.9	867.303234			1
3.12	3.15	3.16	4276.05	28.25022			2
3.44	3.46	3.48	2934.885	12.432255			5
3.57	3.59	3.61	12309.58	69.318093			6
Height Summation:			**181174.415**				
Amount Avg CF:			**244.325951**	Linear:			
Aroclor-1248					**6**	**175.36**	
3.44	3.46	3.48	2934.885	37.570924			1
3.51	3.53	3.55	3798.264	35.469321			2
3.55	3.56	3.59	6887.684	37.351363			3
3.67	3.69	3.71	5208.413	23.491674			4
3.76	3.77	3.80	6929.226	45.197939			5
3.90	3.91	3.94	168102.9	576.428399			6
Height Summation:			**193861.372**				
Amount Avg CF:			**125.91827**	Linear:			
Aroclor-1254					**6**	**118.08**	
4.20	4.22	4.24	61524.2	266.022874			1
+ 4.26	4.26	4.30	108543.3	265.433975			2
+ 4.26	4.28	4.30	94130.82	230.189406			2
4.26	4.29	4.30	294917.9	721.198182			2
4.35	4.37	4.39	1057996	5508.072889			3
4.42	4.44	4.46	65477.99	259.235537			4
4.64	4.67	4.68	141039.8	793.140331			5
4.72	4.74	4.76	1437127	5100.749113			6
Height Summation:			**3058082.89**				
Amount Avg CF:			**2108.069821**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197307** ACF DF50 T1-1W Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.02 g Total Volume: 500 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 01:11:49
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0046.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	10.29	
4.82	4.84	4.86	1050538	3601.807671			1
5.02	5.04	5.06	1221413	4266.188241			2
5.23	5.24	5.27	1154464	4249.577488			3
5.45	5.47	5.49	706802	4492.831767			4
5.69	5.71	5.73	1869335	4852.166751			5
5.89	5.91	5.93	1198074	4755.275993			6
Height Summation:			**7200626**				
Amount Avg CF:			**4369.641319**	Linear:			
Aroclor-1262					6	28.90	
5.29	5.31	5.33	607585.8	2603.189454			1
5.45	5.47	5.49	706802	3406.447904			2
5.69	5.71	5.73	1869335	4105.966149			3
5.89	5.91	5.93	1198074	3855.564137			4
5.95	5.96	5.99	253180.8	1619.3019			5
6.31	6.33	6.35	465983.9	3323.76128			6
Height Summation:			**5100961.5**				
Amount Avg CF:			**3152.371804**	Linear:			
Aroclor-1268					6	97.58	
5.89	5.91	5.93	1198074	2149.275189			1
5.95	5.96	5.99	253180.8	525.2452			2
6.08	6.10	6.12	22696.59	49.06471			3
+ 6.14	6.15	6.18	29726.69	244.760668			4
6.14	6.18	6.18	250779.3	2064.841693			4
6.31	6.33	6.35	465983.9	3268.908527			5
6.51	6.53	6.55	87094.44	92.826705			6
Height Summation:			**2277809.03**				
Amount Avg CF:			**1358.360338**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 01:11:49
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0046.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	13.85	
4.35	4.37	4.39	1057996	3542.41739			1
4.49	4.51	4.53	1402301	4093.028225			2
4.60	4.61	4.64	1007857	3638.086614			3
4.72	4.74	4.76	1437127	4298.885306			4
5.14	5.16	5.18	2141722	4962.086267			5
5.40	5.42	5.44	1227452	4802.26615			6
Height Summation:			**8274455**				
Amount Avg CF:			**4222.794992**	Linear:			
Aroclor-1262					6	26.08	
4.76	4.77	4.80	722630.9	2210.719061			1
4.95	4.96	4.99	899480.7	2957.043386			2
5.14	5.16	5.18	2141722	3815.941366			3
5.36	5.37	5.40	381832.2	1880.998488			4
5.40	5.42	5.44	1227452	3584.688616			5
5.78	5.80	5.82	417373.7	2848.020727			6
Height Summation:			**5790491.5**				
Amount Avg CF:			**2882.901941**	Linear:			
Aroclor-1268					6	122.84	
5.36	5.37	5.40	381832.2	656.524247			1
5.40	5.42	5.44	1227452	2201.175256			2
5.56	5.57	5.60	23208.88	49.782193			3
5.62	5.64	5.66	8723.294	76.864117			4
+ 5.62	5.66	5.66	3433.295	30.252011			4
5.78	5.80	5.82	417373.7	2611.453586			5
5.98	6.00	6.02	85336.12	77.585			6
Height Summation:			**2143926.194**				
Amount Avg CF:			**945.564067**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2544.9101	494.012		** 148.78	4	40	
Aroclor-1221			2544.9101	763.473			3	40	
Aroclor-1232			2544.9101	613.7724		** 93.00	4	40	
Aroclor-1242			2544.9101	613.7724		** 146.63	4	40	
Aroclor-1248			2544.9101	494.012		35.23	4	40	
Aroclor-1254			2544.9101	658.6826		3.20	4	40	
Aroclor-1260			2544.9101	583.8323		3.42	4	40	
Aroclor-1262			2544.9101	494.012		8.93	4	40	
Aroclor-1268			2544.9101	494.012		35.83	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197307 ACF DF50 ACT1-1W T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 1:11:49 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0046.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.538		2666	1921
1.639		9965	11556
1.745		7019	5934
2.051		7680	8380
2.065		9785	9661
2.109		11803	15811
2.15		19800	35492
2.2		10474	9079
2.269		34610	27101
2.389		12748	12151
2.435		6650	4845
2.55		6276	5731
2.665		3933	3786
2.702		17705	9921
2.72		35917	20705
2.759		5434	3774
2.805		1801	1210
2.824		1790	678
2.843		3307	2650
2.874		7180	4400
2.954		2070	1567
2.998	TCX	238155	166307
3.102		5510	4818
3.174		2991	2010
3.319		161428	129626
3.617		3716	10286
3.656		2904	2401
3.736		3530	1795
3.799		4259	3865
3.847		1153	503
3.855		2447	1359
3.876		1395	304
3.897		3050	2368
3.926		8446	6689
3.945		636	127
3.964		10353	6632
3.999		2527	3431
4.053		2381	1593
4.112		2063	1123
4.134		6967	7256
4.165		3231	1766
4.21		2147	1362
4.249		9347	6891
4.269		4694	2610
4.306		151065	132077
4.352		17608	16420
4.418		48035	42549
4.462		235894	210997
4.496		35942	28922
4.536		3008	2070
4.56		8392	6425
4.6		51780	48752
4.654		18894	13143

RT A	Compound A	Height A	Area A
4.67		115858	91150
4.714		264097	238286
4.763		426806	474121
4.8		103561	71863
4.84		1050538	965341
4.886		10861	7884
4.927		133779	141445
4.96		8944	5302
4.988		225079	209104
5.04		1221413	1500268
5.091		215127	193139
5.131		493859	545719
5.173		9499	5074
5.211		111351	134194
5.244		1154464	1084136
5.266		37053	16818
5.287		19030	8731
5.31		607586	566042
5.352		434549	406132
5.447		152895	120160
5.471		706802	632436
5.528		433431	402857
5.566		271760	258944
5.608		36154	40896
5.65		223569	213837
5.679		4264	2169
5.705		1869335	1992257
5.788		2394	958
5.852		2601	1812
5.909		1198074	1160810
5.94		71411	45697
5.962		253181	292871
6.075		9674	7821
6.098		22697	18500
6.151		29727	23245
6.178		250779	222343
6.269		2440	1641
6.304		1081	656
6.331		465984	473768
6.375		29391	26638
6.443		1578	489
6.531		87094	84610
6.678	DCB	114247	112758
6.742		2554	1901
6.862		1174	395
6.883		1367	501
6.922		1690	285
7.078		999	713
7.196		1240	567
7.251		1354	354
7.668		1425	944
7.728		1707	800
7.758		1921	479
7.889		1067	1047
7.901		1514	1050
7.969		1109	618
8.022		1406	651
8.068		1678	831
8.094		1712	1470
8.45		1407	371

LANCASTER LABORATORIES

Sample Number: 9197307 ACF DF50 ACT1-1W T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 1:11:49 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0046.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.526		5263	4932
1.553		5321	4299
1.658		5331	5756
1.761		3616	2077
1.832		3880	2758
1.866		5391	3087
1.91		7041	4863
1.958		12083	10668
1.993		34790	23269
2.029		11503	16926
2.071		7528	6375
2.17		6161	10195
2.269		12108	13883
2.348		16674	22020
2.401		39242	25405
2.461		5900	5038
2.529		5280	3017
2.553		4545	3576
2.601		1502	1177
2.652	TCX	251522	155897
2.736		6575	9484
2.822		7739	5514
2.867		2585	2103
2.909		3650	3146
2.949		161654	115014
2.993		3990	3717
3.073		3829	3198
3.153		4276	5224
3.238		2856	2387
3.305		6041	8009
3.363		4323	2582
3.39		3109	2160
3.463		2935	2425
3.53		3798	2888
3.565		6888	3961
3.589		12310	8528
3.692		5208	4626
3.74		4356	4475
3.766		6929	6073
3.809		3159	3125
3.863		5945	7298
3.915		168103	115562
3.941		4621	2344
3.96		8867	4503
3.979		57255	38069
4.016		238487	168332
4.048		32254	19167
4.064		22990	12367
4.126		8475	10409
4.161		35914	33999
4.184		5117	4418
4.218		61524	40686
4.26		108543	69052
4.279		94131	46424

4.293		294918	169509
4.318		185665	185634
4.371		1057997	821004
4.418		23071	23669
4.441		65478	41503
4.466		285579	216954
4.509		1402301	1159887
4.612		1007857	981072
4.666		141040	116813
4.704		342864	290482
4.741		1437127	1198041
4.773		722631	524487
4.812		526324	427530
4.868		2651	1241
4.912		140307	99027
4.929		21959	11036
4.963		899481	718155
4.987		118947	77115
5.038		518985	464781
5.073		267693	211621
5.103		189149	152910
5.135		36386	21065
5.158		2141722	1782679
5.198		40017	28350
5.23		68232	54095
5.349		18356	11308
5.373		381832	313042
5.417		1227452	1413367
5.573		23209	20591
5.617		35414	26817
5.641		8723	5267
5.663		3433	2017
5.69		211187	186179
5.798		417374	369365
5.829		20561	14767
5.998		85336	75907
6.156	DCB	121141	111433
6.33		1865	1752
6.363		5234	6415
7.623		4273	5837
8.004		1584	2283
8.292		8789	15340

9197307 ACF DF50 ACT1-1W T 172510039A 10225 SW-846 8082

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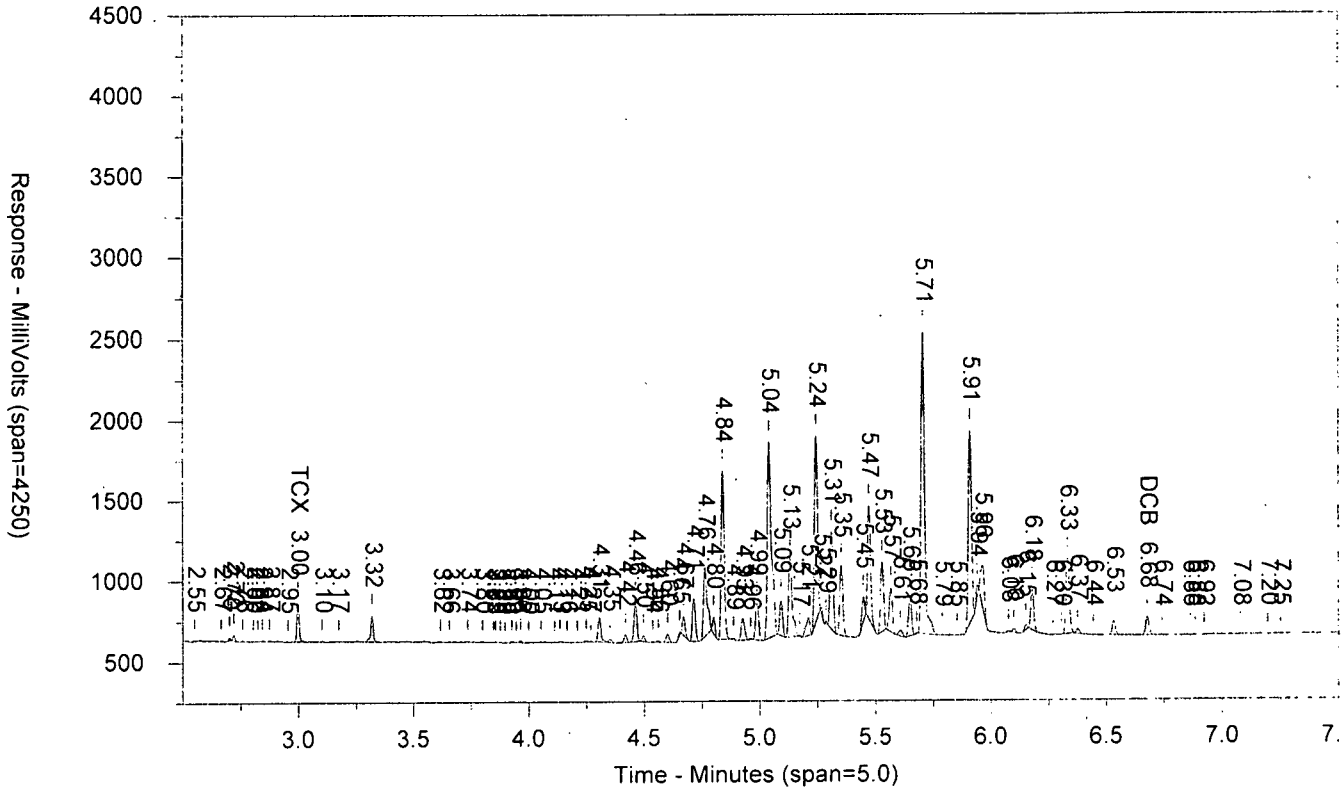

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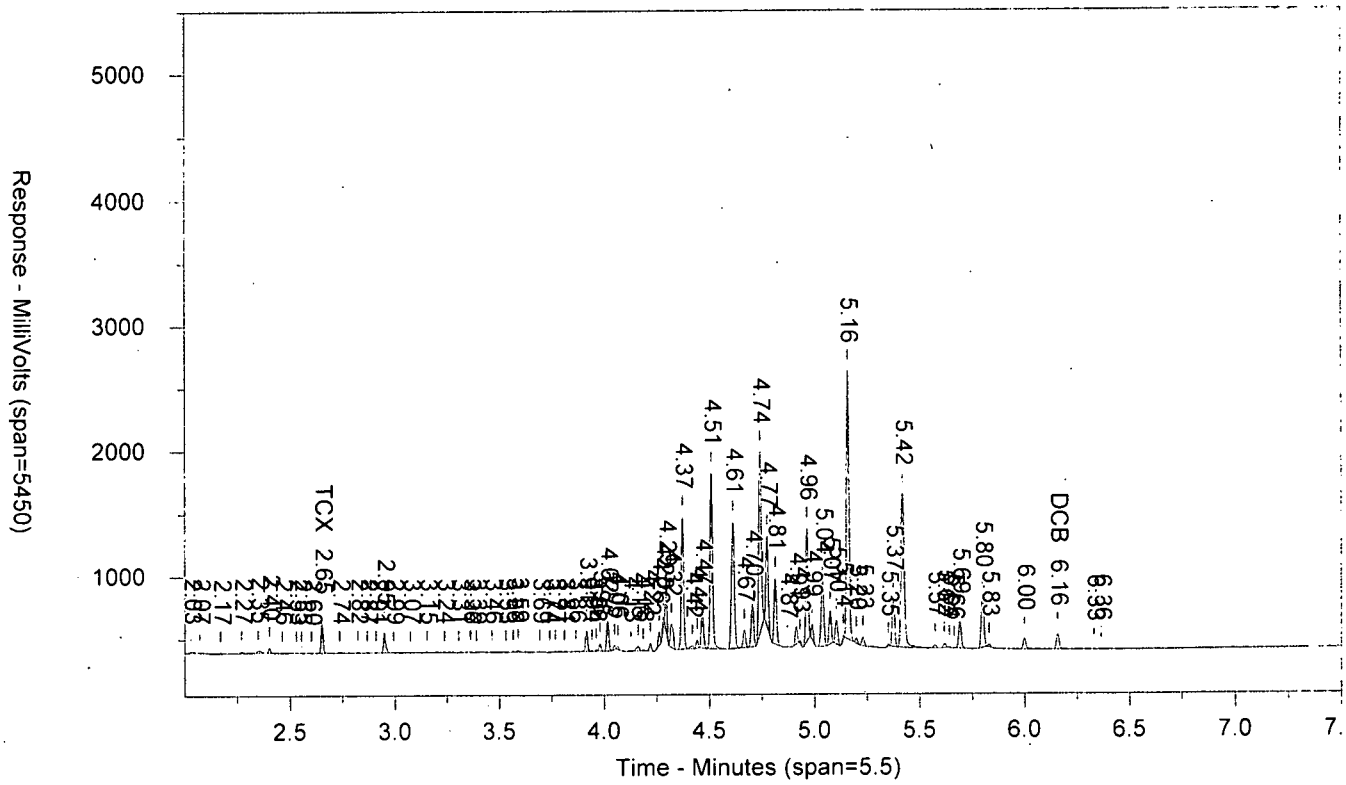

LANCASTER LABORATORIES

Sample Number: 9197307 ACF DF50 ACT1-1W T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 1:11:49 AM
Sample Weight: 10.02
Instrument ID: CP7-19843A
Dilution Factor: 500
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.998	238155	31.397	TCX	2.652	251522	32.296	TCX
6.678	114247	42.236	DCB	6.156	121141	37.946	DCB

Files:
Area File: 07pcbs17250008.0046.RAW
Area File: 07pcbs17250008B.0046.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 1:20:33 AM
File Reported On: 9/18/2017 at 1:20:43 AM

9197307 ACF DF50 ACT1-1W T 172510039A 10225 SW-846 8082

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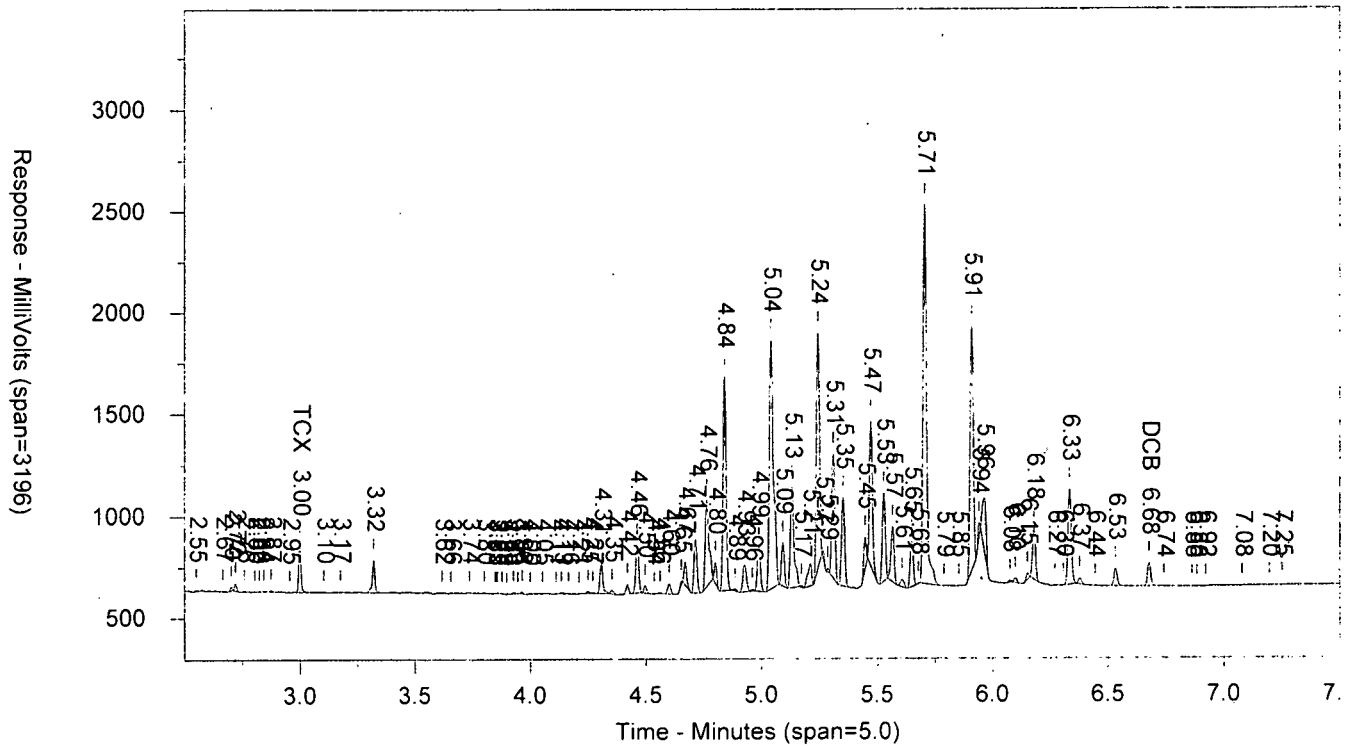

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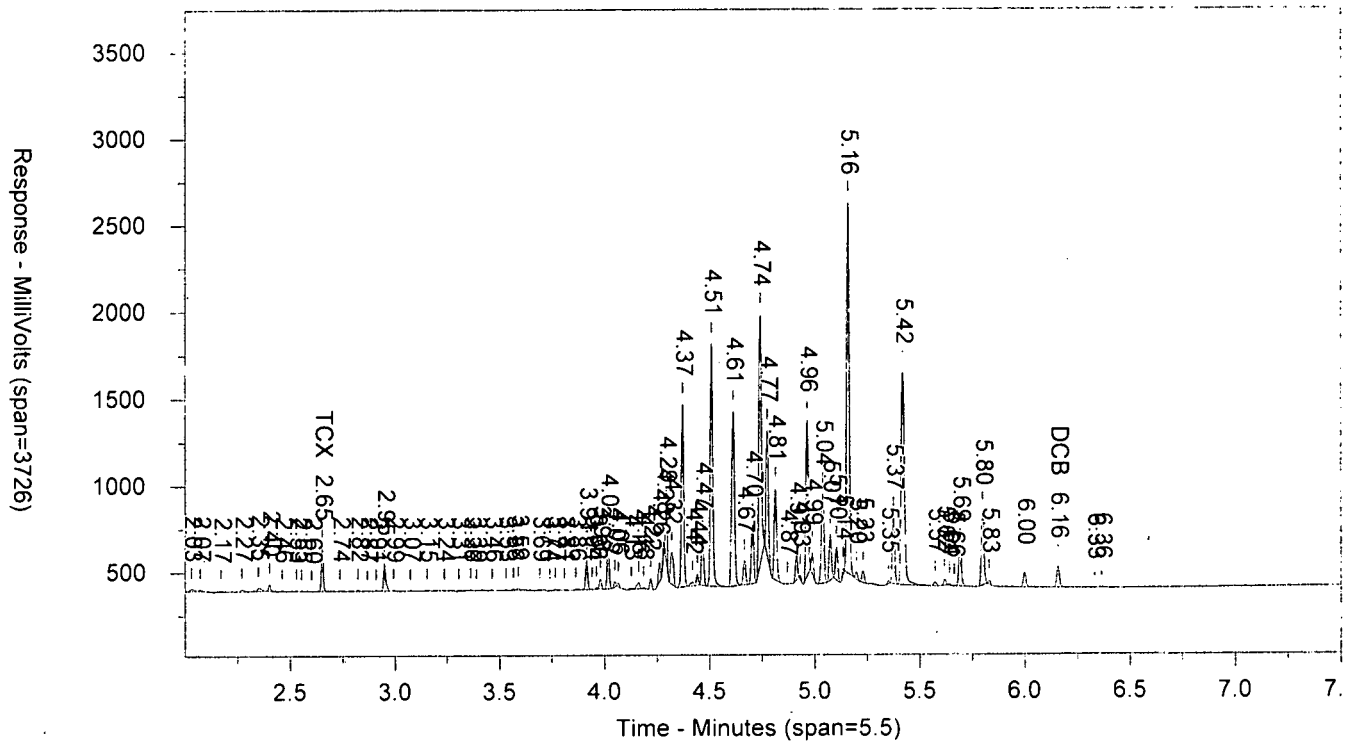

9197307 ACF DF50 ACT1-1W T 172510039A 10225 SW-846 8082

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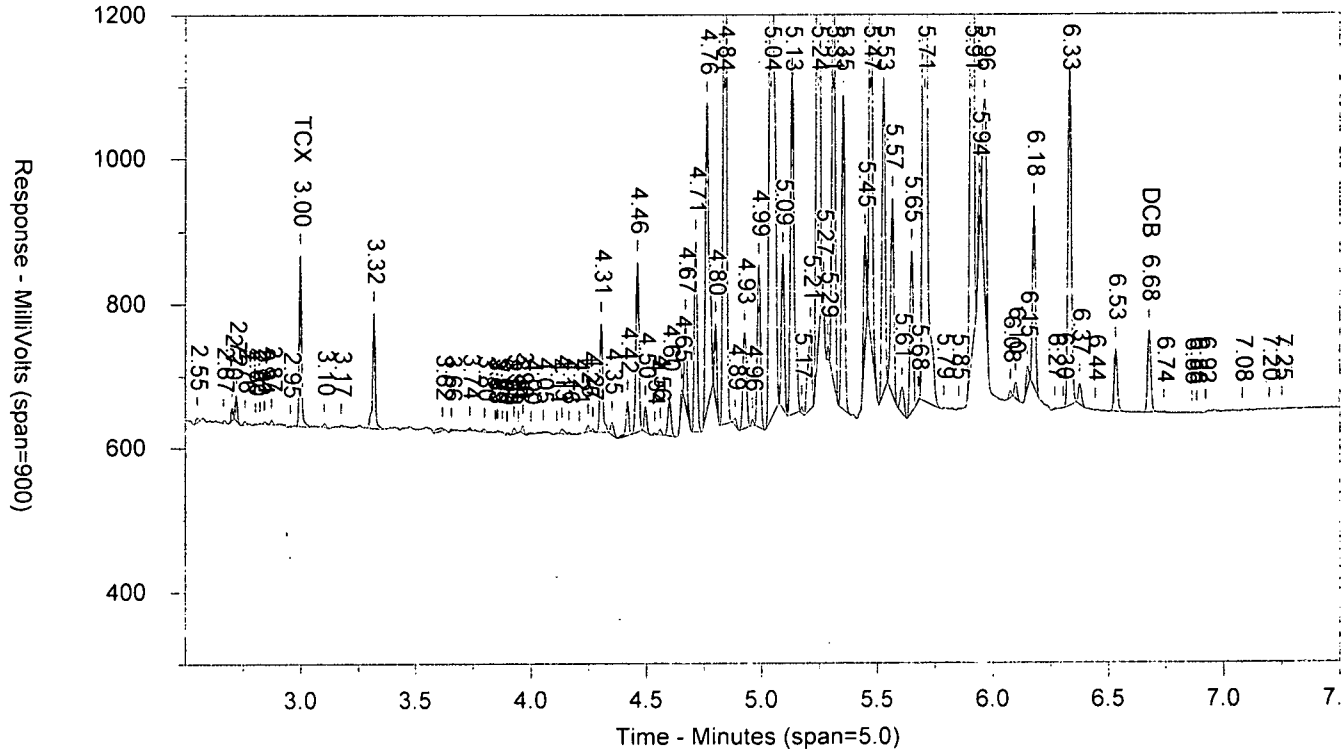

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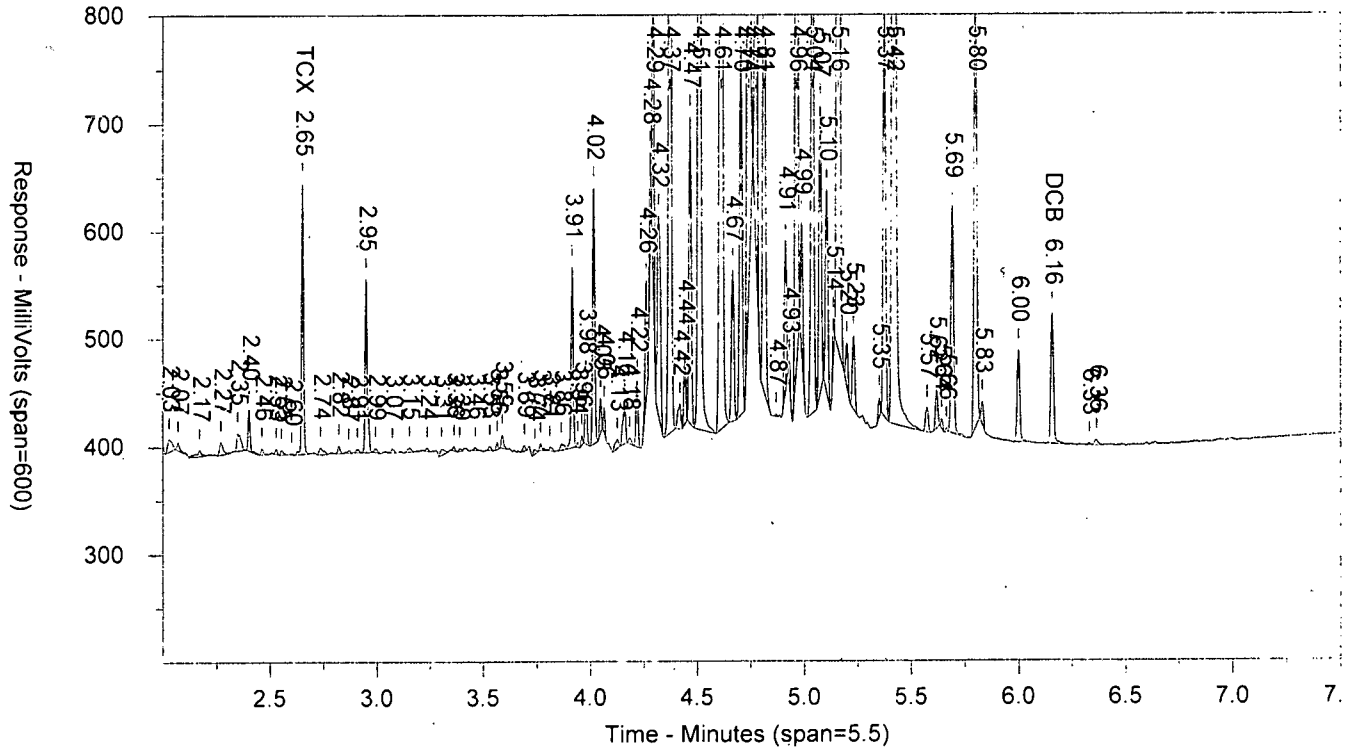

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Data Summary

Sample Name: 9197308 ACF DF5 T1-1E Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.1 g Total Volume: 50 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 01:23:17
Instrument	19843A
Result file	07PCBS17250008.0047.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 93% (61 - 152) Conc: 28.20053
%SSR(DCB) 122% (48 - 164) Conc: 32.85442

Analysis Report (B)

Injected on	Sep 18, 2017 01:23:17
Instrument	19843B
Result file	07PCBS17250008B.0047.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 29.4723
%SSR(DCB) 113% (48 - 164) Conc: 30.38848

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	2156144	28.20053
Decachlorobiphenyl	6.65	6.68	6.71	895800	32.85442

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	2313627	29.4723
Decachlorobiphenyl	6.13	6.16	6.19	977885	30.38848

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	29.4723				4.41	
☑	Tetrachloro-m-xylene-D1	A	28.20053					
☑	Tetrachloro-m-xylene-D2	B	29.4723					
☐	Decachlorobiphenyl	A	32.85442				7.80	
☑	Decachlorobiphenyl-D1	A	32.85442					
☑	Decachlorobiphenyl-D2	B	30.38848					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.44**	
4.82	4.84	4.86	1966718	668.955445			1
5.02	5.04	5.06	2258562	782.628828			2
5.23	5.25	5.27	2321761	847.8699			3
5.45	5.47	5.49	1512354	953.722864			4
5.69	5.71	5.73	4271796	1100.032288			5
5.89	5.91	5.93	2519598	992.132525			6

Height summation: **14850789**
Concentration CF: **890.890308** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**20.81**	
4.35	4.37	4.39	1984005	659.02944			1
4.49	4.51	4.53	2553800	739.497527			2
4.60	4.61	4.64	1806445	646.912002			3
4.72	4.74	4.76	2824539	838.213465			4
5.14	5.16	5.18	4589566	1054.919159			5
5.40	5.42	5.44	2544454	987.603589			6

Height summation: **16302809**
Concentration CF: **821.029197** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<252.4752	<49.0099	D1		4	
☑	PCB-1221			<252.4752	<75.7426	D1		3	
☑	PCB-1232			<252.4752	<60.8911	D1		4	
☑	PCB-1242			<252.4752	<60.8911	D1		4	
☑	PCB-1248			<252.4752	<49.0099	D1		4	
☑	PCB-1254			<252.4752	<65.3465	D1		4	
☑	PCB-1260	A	890.890308	252.4752	57.9208	D1	8.16	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Chemist

SEP 19 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:58:26

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197308** ACF DF5 T1-1E Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.1 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 01:23:17
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0047.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 93% (61-152) Conc.: 28.20053
%SSR(DCB) : 122% (48-164) Conc.: 32.85442

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**79.97**	
+ 3.45	3.45	3.49	2459.04	1.80901			2
3.45	3.47	3.49	4063.97	2.989688			2
3.74	3.76	3.78	1779.438	1.121613			4
3.78	3.80	3.82	6733.065	3.616193			5
3.91	3.93	3.95	10120.57	8.861364			6
Height Summation:			**22697.043**				
Amount Avg CF:			**4.147214**	Linear:			
Aroclor-1221					**1**		
3.18	3.20	3.22	19769.8	35.150926			2
Height Summation:			**19769.8**				
Amount Avg CF:			**35.150926**	Linear:			
Aroclor-1232					**4**	**90.35**	
+ 3.45	3.45	3.49	2459.04	3.779778			2
3.45	3.47	3.49	4063.97	6.246707			2
3.74	3.76	3.78	1779.438	2.433346			4
3.78	3.80	3.82	6733.065	7.378121			5
3.91	3.93	3.95	10120.57	22.030459			6
Height Summation:			**22697.043**				
Amount Avg CF:			**9.522158**	Linear:			
Aroclor-1242					**4**	**84.56**	
+ 3.45	3.45	3.49	2459.04	1.375628			2
3.45	3.47	3.49	4063.97	2.273452			2
3.74	3.76	3.78	1779.438	0.757905			4
3.78	3.80	3.82	6733.065	2.614289			5
3.91	3.93	3.95	10120.57	6.962132			6
Height Summation:			**22697.043**				
Amount Avg CF:			**3.151944**	Linear:			
Aroclor-1248					**6**	**183.92**	
3.78	3.80	3.82	6733.065	7.335688			1
3.84	3.86	3.88	6646.092	6.80674			2
3.91	3.93	3.95	10120.57	6.22504			3
4.03	4.06	4.07	3461.769	1.885704			4
4.12	4.14	4.16	15368.2	9.669135			5
4.30	4.31	4.34	205697.5	121.161378			6
Height Summation:			**248027.196**				
Amount Avg CF:			**25.513948**	Linear:			
Aroclor-1254					**6**	**123.75**	
4.29	4.31	4.32	205697.5	112.366041			1
4.63	4.67	4.67	283940.9	146.254159			2
4.69	4.72	4.73	402669.6	98.039812			3
4.91	4.93	4.95	212174.7	84.508258			4
5.11	5.13	5.15	777380.1	541.143313			5
5.23	5.25	5.27	2321761	1230.31134			6
Height Summation:			**4203623.8**				
Amount Avg CF:			**368.770487**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 01:23:17
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0047.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 97% (61-152) Conc.: 29.4723
%SSR(DCB) : 113% (48-164) Conc.: 30.38848

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**203.08**	
2.92	2.95	2.96	228057.4	167.864206			1
3.12	3.15	3.16	4262.322	2.466852			2
3.25	3.28	3.29	5368.846	3.143631			3
3.40	3.42	3.44	2767.089	1.51173			4
3.44	3.47	3.48	3228.881	1.878147			5
3.57	3.59	3.61	27995.71	19.770254			6
Height Summation:			**271680.248**				
Amount Avg CF:			**32.77247**	Linear:			
Aroclor-1221					**3**	**101.01**	
2.80	2.82	2.84	7624.141	10.302972			1
2.86	2.87	2.90	19045.62	41.031566			2
2.92	2.95	2.96	228057.4	124.99187			3
Height Summation:			**254727.161**				
Amount Avg CF:			**58.775469**	Linear:			
Aroclor-1232					**6**	**158.38**	
2.92	2.95	2.96	228057.4	137.20811			1
3.12	3.15	3.16	4262.322	4.885955			2
3.25	3.28	3.29	5368.846	6.363048			3
3.40	3.42	3.44	2767.089	3.284987			4
3.44	3.47	3.48	3228.881	3.764163			5
3.57	3.59	3.61	27995.71	47.023142			6
Height Summation:			**271680.248**				
Amount Avg CF:			**33.754901**	Linear:			
Aroclor-1242					**6**	**199.05**	
2.92	2.95	2.96	228057.4	121.387871			1
3.12	3.15	3.16	4262.322	2.793648			2
3.25	3.28	3.29	5368.846	2.405031			3
3.40	3.42	3.44	2767.089	1.041119			4
3.44	3.47	3.48	3228.881	1.356929			5
3.57	3.59	3.61	27995.71	15.640161			6
Height Summation:			**271680.248**				
Amount Avg CF:			**24.104127**	Linear:			
Aroclor-1248					**6**	**164.65**	
3.44	3.47	3.48	3228.881	4.100711			1
3.51	3.53	3.55	7202.903	6.673008			2
3.55	3.56	3.59	9833.089	5.290169			3
3.67	3.69	3.71	6692.454	2.99461			4
3.76	3.77	3.80	14332.02	9.274439			5
3.90	3.92	3.94	219753.7	74.757145			6
Height Summation:			**261043.047**				
Amount Avg CF:			**17.18168**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197308** ACF DF5 T1-1E Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.1 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 01:23:17
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0047.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	17.44	
4.82	4.84	4.86	1966718	668.955445			1
5.02	5.04	5.06	2258562	782.628828			2
5.23	5.25	5.27	2321761	847.8699			3
5.45	5.47	5.49	1512354	953.722864			4
5.69	5.71	5.73	4271796	1100.032288			5
5.89	5.91	5.93	2519598	992.132525			6
Height Summation:			**14850789**				
Amount Avg CF:			**890.890308**	Linear:			
Aroclor-1262					6	31.65	
5.29	5.31	5.33	1306578	555.366718			1
5.45	5.47	5.49	1512354	723.109037			2
5.69	5.71	5.73	4271796	930.861524			3
5.89	5.91	5.93	2519598	804.418206			4
5.95	5.96	5.99	508470.9	322.633536			5
6.31	6.33	6.35	938923.1	664.408659			6
Height Summation:			**11057720**				
Amount Avg CF:			**666.799613**	Linear:			
Aroclor-1268					6	96.83	
5.89	5.91	5.93	2519598	448.421043			1
5.95	5.96	5.99	508470.9	104.651095			2
6.08	6.10	6.12	59030.21	12.659872			3
+ 6.14	6.15	6.18	58577.07	47.848582			4
6.14	6.18	6.18	497095.2	406.051381			4
6.31	6.33	6.35	938923.1	653.443779			5
6.51	6.53	6.55	197979.8	20.93388			6
Height Summation:			**4721097.21**				
Amount Avg CF:			**274.360175**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 01:23:17
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0047.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	119.26	
4.20	4.22	4.24	77716.57	33.337496			1
+ 4.26	4.26	4.30	200687.7	48.68785			2
+ 4.26	4.28	4.30	130976.8	31.775633			2
4.26	4.29	4.30	616587.1	149.587145			2
4.35	4.37	4.39	1984005	1024.718939			3
4.42	4.44	4.46	90621.98	35.594188			4
4.64	4.67	4.68	281179.1	156.869219			5
4.72	4.74	4.76	2824539	994.564005			6
Height Summation:			**5874648.75**				
Amount Avg CF:			**399.111832**	Linear:			
Aroclor-1260					6	20.81	
4.35	4.37	4.39	1984005	659.02944			1
4.49	4.51	4.53	2553800	739.497527			2
4.60	4.61	4.64	1806445	646.912002			3
4.72	4.74	4.76	2824539	838.213465			4
5.14	5.16	5.18	4589566	1054.919159			5
5.40	5.42	5.44	2544454	987.603589			6
Height Summation:			**16302809**				
Amount Avg CF:			**821.029197**	Linear:			
Aroclor-1262					6	27.77	
4.76	4.77	4.80	1488565	451.784346			1
4.95	4.96	4.99	1926110	628.193272			2
5.14	5.16	5.18	4589566	811.253461			3
5.36	5.37	5.40	757383.1	370.150086			4
5.40	5.42	5.44	2544454	737.204318			5
5.78	5.80	5.82	893031.6	604.548629			6
Height Summation:			**12199109.7**				
Amount Avg CF:			**600.522352**	Linear:			
Aroclor-1268					6	121.55	
5.36	5.37	5.40	757383.1	129.193356			1
5.40	5.42	5.44	2544454	452.679738			2
5.56	5.57	5.60	60391.58	12.851167			3
5.62	5.64	5.66	31500.72	27.536577			4
+ 5.62	5.66	5.66	5697.72	4.980702			4
5.78	5.80	5.82	893031.6	554.332583			5
5.98	6.00	6.02	192592.7	17.371249			6
Height Summation:			**4479353.7**				
Amount Avg CF:			**198.994112**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			252.4752	49.0099		** 155.07	4	40	
Aroclor-1221			252.4752	75.7426		** 50.30	3	40	
Aroclor-1232			252.4752	60.8911		** 111.99	4	40	
Aroclor-1242			252.4752	60.8911		** 153.74	4	40	
Aroclor-1248			252.4752	49.0099		39.03	4	40	
Aroclor-1254			252.4752	65.3465		7.90	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197308** ACF DF5 T1-1E Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.1 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 01:23:17
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0047.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 01:23:17
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0047.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1260			252.4752	57.9208		8.16	4	40	
Aroclor-1262			252.4752	49.0099		10.46	4	40	
Aroclor-1268			252.4752	49.0099		31.84	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197308 ACF DF5 ACT1-1E T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 1:23:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0047.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.64		7732	8310
1.747		11482	9670
1.8		4122	2982
2.048		2605	3336
2.11		11706	13522
2.149		15988	25933
2.202		79302	52227
2.27		55020	38372
2.295		8249	7001
2.391		17152	18495
2.436		12227	13099
2.461		18214	16301
2.551		4573	3463
2.703		33556	18441
2.72		51463	28660
2.805		7591	4490
2.875		12702	8784
2.951		3149	2702
2.999	TCX	2156144	1426011
3.107		10875	8535
3.197		19770	12843
3.319		226139	193317
3.451		2459	2321
3.473		4064	3427
3.538		1639	1044
3.606		3542	7282
3.658		5565	4156
3.762		1779	686
3.801		6733	7781
3.861		6646	7654
3.897		1563	392
3.93		10121	8360
3.967		23885	16971
4.002		2441	1875
4.056		3462	2256
4.112		3808	2254
4.137		15368	14742
4.166		4117	2434
4.212		3102	1840
4.249		8658	6374
4.271		8100	4709
4.307		205698	186256
4.354		23899	21514
4.394		2230	1794
4.42		65234	52918
4.464		290980	260436
4.498		51175	39288
4.539		3957	2430
4.561		11062	8372
4.602		96464	90517
4.672		283941	353232
4.716		402670	362985
4.765		815295	907112

RT A	Compound A	Height A	Area A
4.802		164162	116673
4.842		1966718	1780270
4.887		21120	17847
4.928		212175	238239
4.962		16952	10654
4.99		427495	404715
5.042		2258562	2725302
5.093		441426	398375
5.133		777380	660039
5.175		17574	8910
5.213		211925	260800
5.246		2321761	2120413
5.267		46757	25154
5.287		35772	16167
5.312		1306578	1156351
5.353		843555	821119
5.449		303803	240362
5.473		1512354	1294936
5.529		911718	803731
5.568		526814	519228
5.61		75232	81490
5.651		432472	422649
5.681		5797	2541
5.707		4271796	4199391
5.79		5378	3042
5.826		10183	7327
5.851		6590	4922
5.91		2519599	2328423
5.942		126321	87462
5.965		508471	578851
6.076		13957	10600
6.1		59030	49967
6.152		58577	44994
6.179		497095	438847
6.274		2084	2105
6.333		938923	939162
6.377		64853	59508
6.533		197980	198249
6.599		1226	336
6.68	DCB	895800	946190
6.801		1155	761
6.934		1971	1856
6.994		1391	363
7.088		1129	911
7.124		1634	616
7.182		2618	1111
7.293		1176	585
7.333		1141	559
7.41		1625	839
7.552		2223	1437
7.708		957	486
7.792		1602	606
7.891		1953	871
7.925		1686	669
7.981		1635	530
8.037		1362	430
8.139		1437	1087
8.286		1600	414
8.382		1499	769
8.422		1425	835
8.564		1470	299

LANCASTER LABORATORIES

Sample Number: 9197308 ACF DF5 ACT1-1E T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 1:23:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0047.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.526		7484	8060
1.704		3437	17341
1.783		5489	11392
1.833		7071	7119
1.91		85399	64286
1.958		17217	15220
1.993		53332	36546
2.029		13254	18288
2.089		3429	4083
2.151		18729	15285
2.196		1800	947
2.269		8660	11367
2.347		30447	35289
2.401		54916	37245
2.426		2824	2515
2.47		5005	3584
2.529		11319	6868
2.569		1875	4803
2.627		2536	1509
2.652	TCX	2313627	1418898
2.738		1598	1439
2.822		7624	4827
2.87		19046	11510
2.948		228057	170021
2.985		4264	3375
3.071		2841	1378
3.145		4262	6418
3.24		2466	1353
3.282		5369	3005
3.303		7301	7956
3.361		5380	3992
3.424		2767	2621
3.465		3229	3107
3.532		7203	5096
3.565		9833	5364
3.59		27996	19174
3.623		5101	4603
3.692		6692	5650
3.715		8924	5653
3.737		6114	4388
3.766		14332	8588
3.82		4712	4649
3.866		11875	12482
3.916		219754	160007
3.942		6963	3747
3.962		12664	6548
3.981		73368	50501
4.017		295994	206040
4.049		46489	27472
4.066		24792	13918
4.129		9939	11057
4.162		53682	62407
4.182		7268	6714
4.219		77717	52316

4.262		200688	128196
4.28		130977	60651
4.294		616587	367303
4.318		326350	329174
4.373		1984005	1525238
4.42		45110	45808
4.442		90622	56931
4.467		548666	412786
4.51		2553801	2060679
4.613		1806445	1817752
4.666		281179	227238
4.705		644480	568365
4.741		2824539	2304764
4.775		1488565	1114047
4.813		1078276	859368
4.87		7831	4837
4.913		280364	198055
4.929		33229	18314
4.964		1926110	1471266
4.988		236564	150654
5.039		1052012	941395
5.075		522074	425402
5.104		378376	305678
5.136		49186	29089
5.159		4589566	3817050
5.2		83455	58171
5.231		143306	114312
5.273		6908	5859
5.295		5554	3307
5.329		4006	2430
5.35		37840	23255
5.374		757383	640640
5.418		2544454	2792692
5.573		60392	51418
5.619		71661	53306
5.642		31501	21094
5.664		5698	2967
5.691		428995	378658
5.798		893032	762401
5.829		47211	34219
5.998		192593	176183
6.157	DCB	977885	937879
6.362		5843	5670
6.803		1903	731
7.064		2230	2207
7.283		1552	3273
8.29		8535	15737

9197308 ACF DF5 ACT1-1E T 172510039A 10225 SW-846 8082

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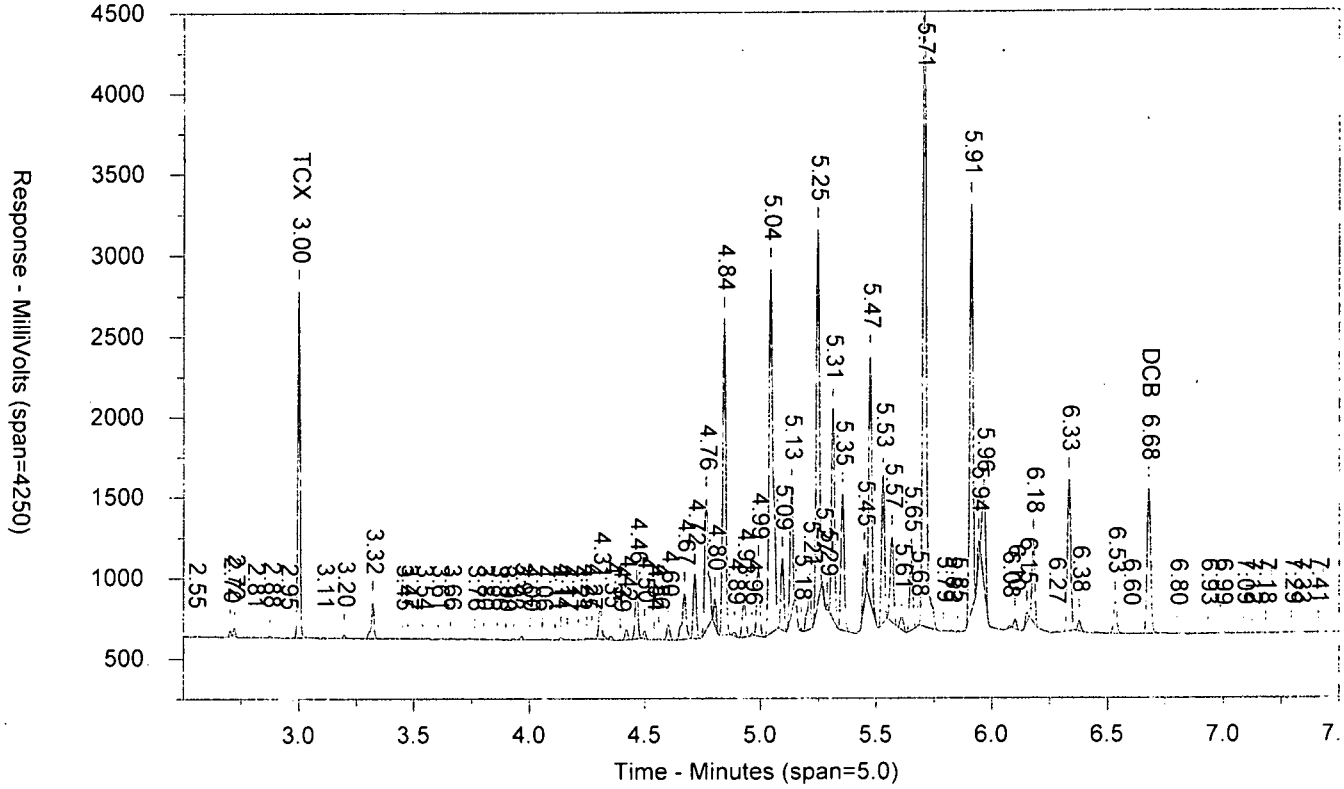

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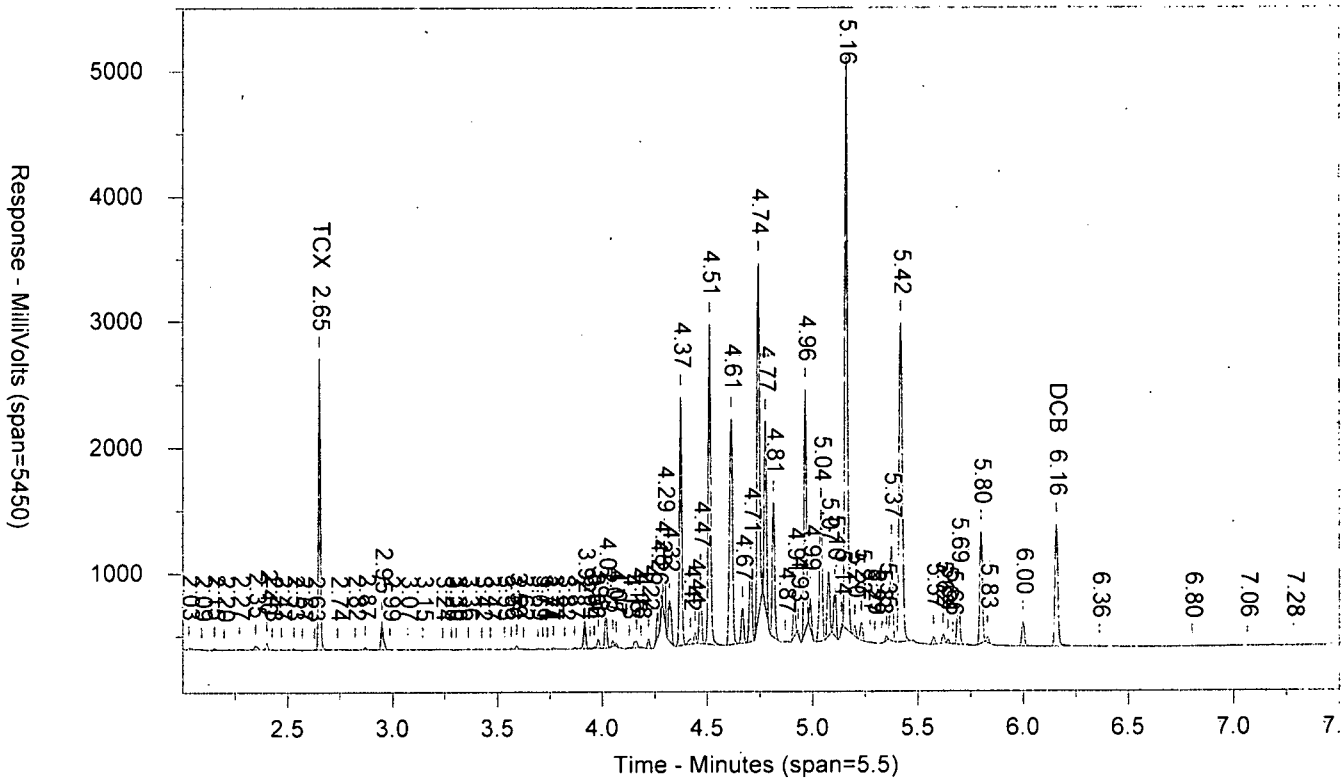

LANCASTER LABORATORIES

Sample Number: 9197308 ACF DF5 ACT1-1E T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 1:23:17 AM
Sample Weight: 10.1
Instrument ID: CP7-19843A
Dilution Factor: 50
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	2156144	28.201	TCX	2.652	2313627	29.472	TCX
6.68	895800	32.854	DCB	6.157	977885	30.388	DCB

Files:
Area File: 07pcbs17250008.0047.RAW
Area File: 07pcbs17250008B.0047.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 1:32:03 AM
File Reported On: 9/18/2017 at 1:32:09 AM

9197308 ACF DF5 ACT1-1E T 172510039A 10225 SW-846 8082

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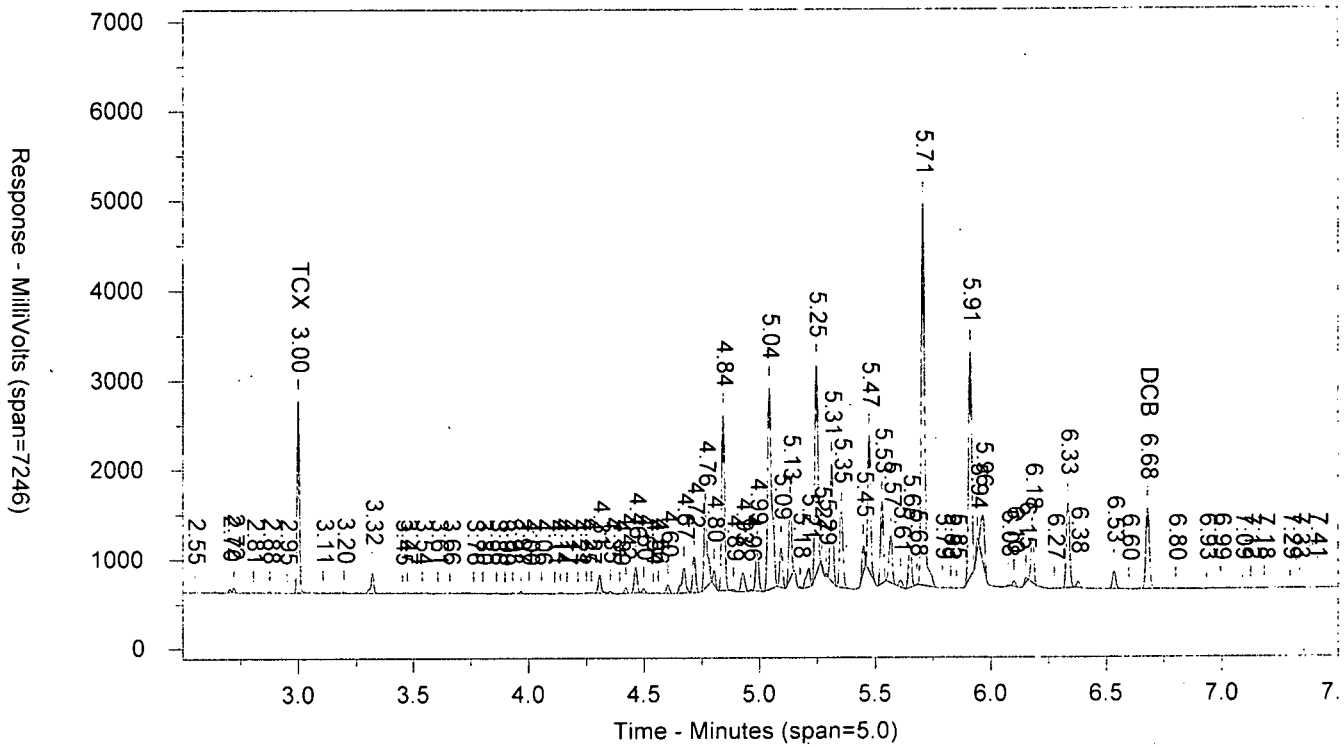

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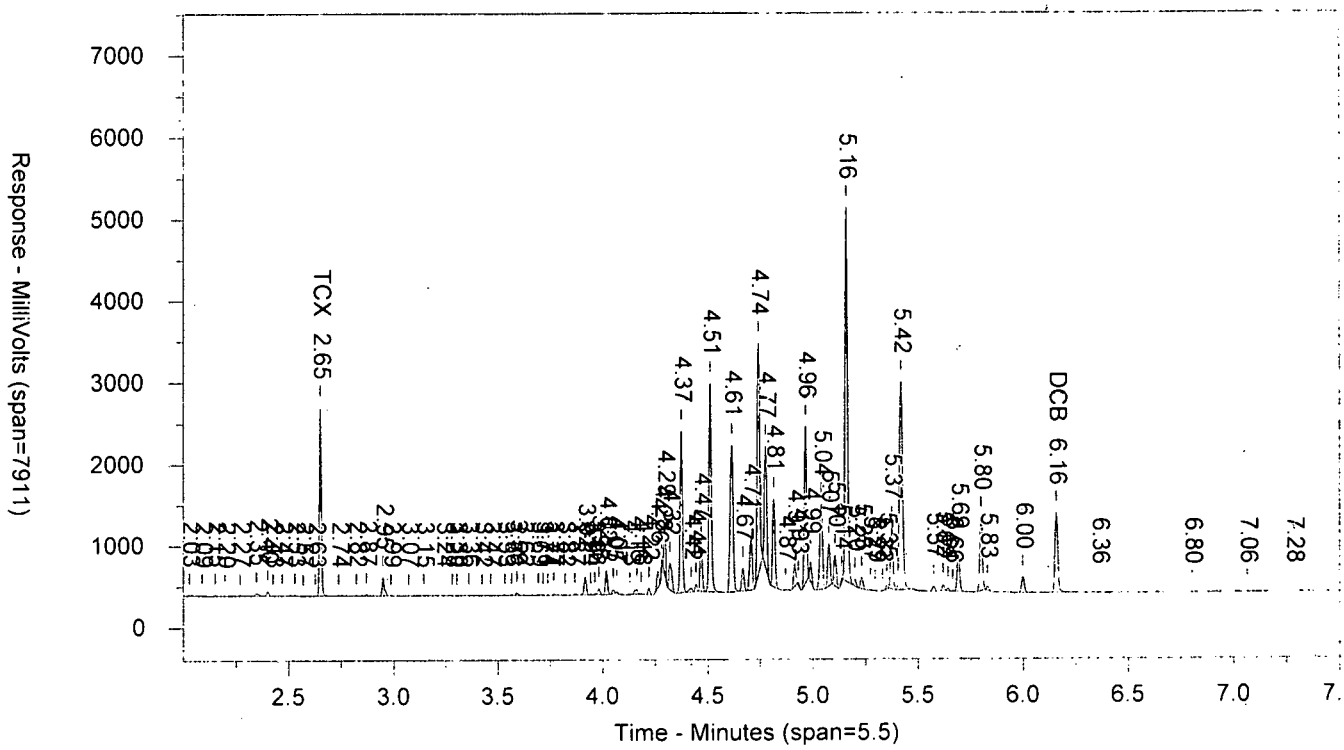

9197308 ACF DF5 ACT1-1E T 172510039A 10225 SW-846 8082

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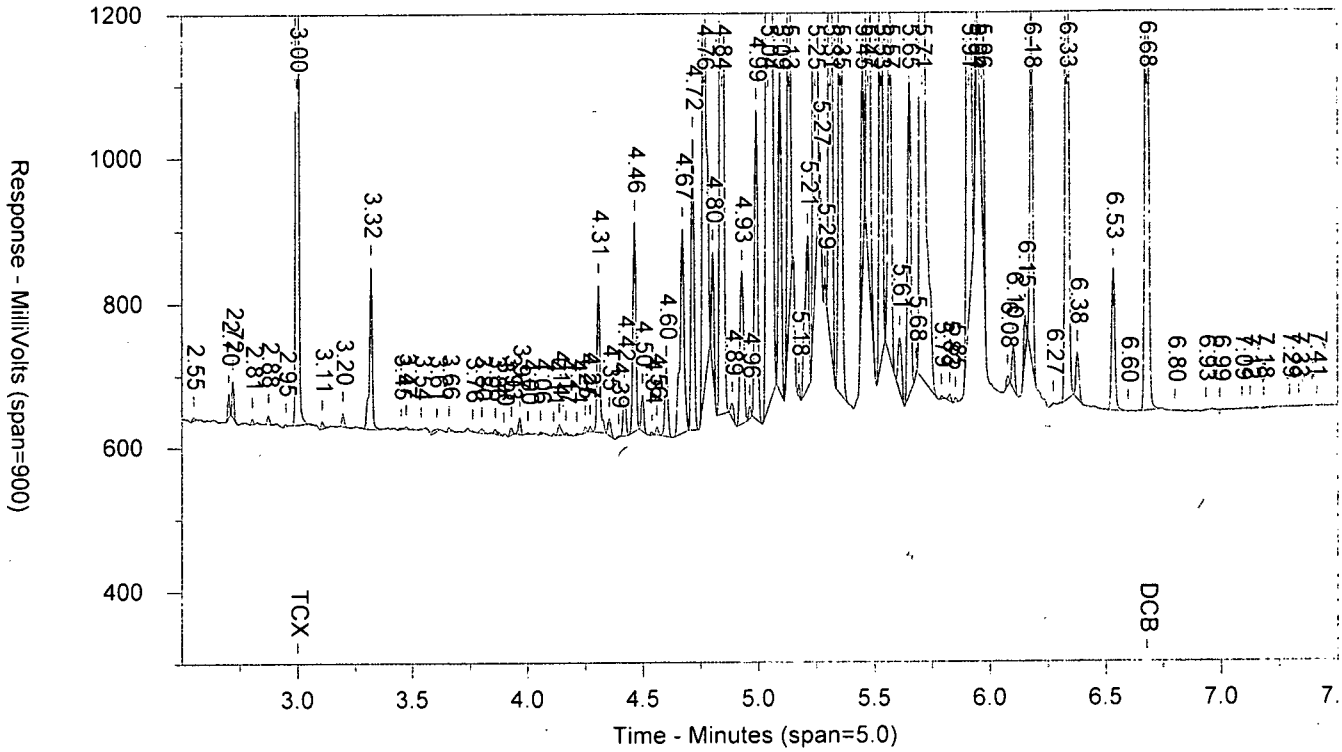

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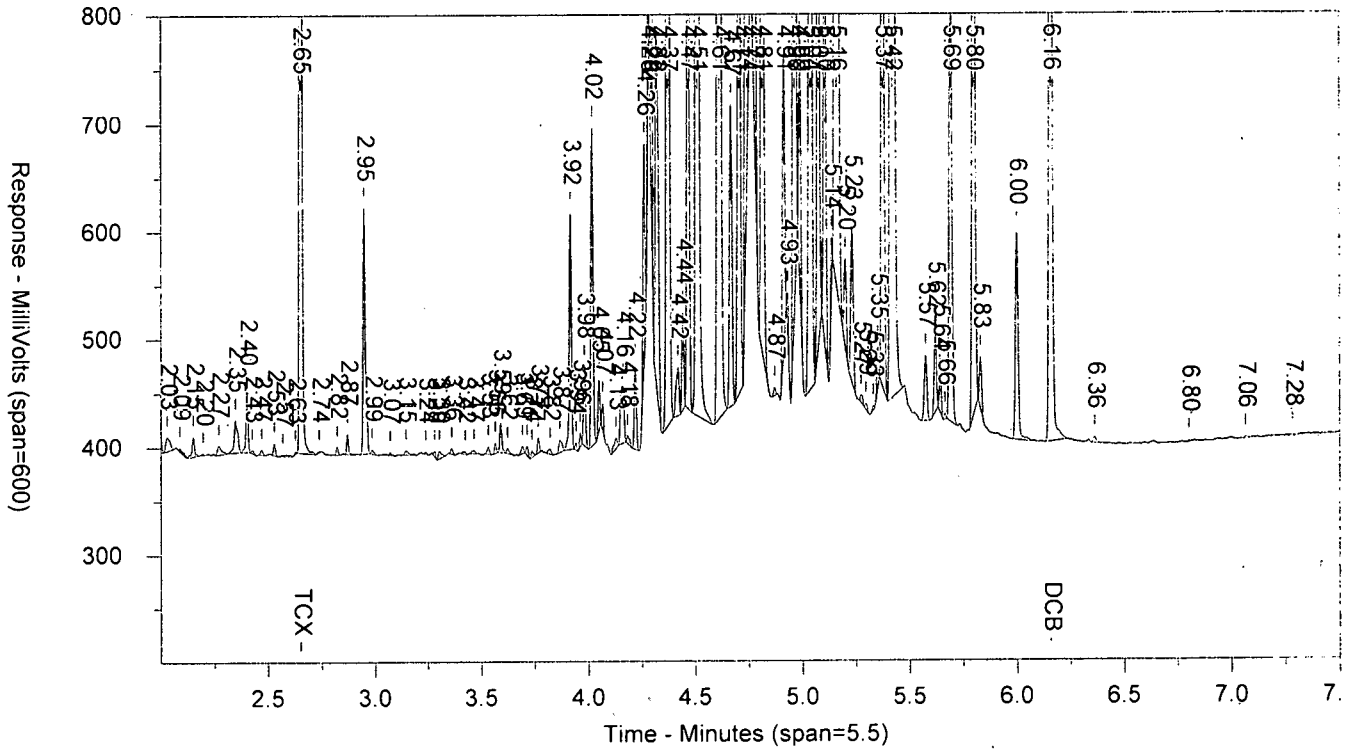

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Data Summary

Sample Name: 9197309 ACF DF5 T1-5E Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.05 g Total Volume: 50 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 01:57:31
Instrument	19843A
Result file	07PCBS17250008.0050.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 95% (61 - 152) Conc: 28.78464
%SSR(DCB) 119% (48 - 164) Conc: 32.07753

Analysis Report (B)

Injected on	Sep 18, 2017 01:57:31
Instrument	19843B
Result file	07PCBS17250008B.0050.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 29.93859
%SSR(DCB) 119% (48 - 164) Conc: 32.04239

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	2189909	28.78464
Decachlorobiphenyl	6.65	6.68	6.71	870288	32.07753

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	2338596	29.93859
Decachlorobiphenyl	6.13	6.16	6.19	1026002	32.04239

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	29.93859				3.93	
☑	Tetrachloro-m-xylene-D1	A	28.78464					
☑	Tetrachloro-m-xylene-D2	B	29.93859					
☐	Decachlorobiphenyl	A	32.07753				0.11	
☑	Decachlorobiphenyl-D1	A	32.07753					
☑	Decachlorobiphenyl-D2	B	32.04239					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.50**	
4.82	4.84	4.86	1321587	451.758331			1
5.02	5.04	5.06	1714483	597.052222			2
5.23	5.24	5.27	1760026	645.93096			3
5.45	5.47	5.49	1043334	661.222171			4
5.69	5.71	5.73	2836598	734.087844			5
5.89	5.91	5.93	1718793	680.169762			6

Height summation: **10394821**
Concentration CF: **628.370215** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.31**	
4.35	4.37	4.39	1396495	466.183341			1
4.49	4.51	4.53	2010468	585.062578			2
4.60	4.61	4.64	1339419	482.050162			3
4.72	4.74	4.76	2110939	629.561343			4
5.14	5.16	5.18	3048772	704.251563			5
5.40	5.42	5.44	1866864	728.209011			6

Height summation: **11772957**
Concentration CF: **599.219666** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<253.7313	<49.2537	D1		4	
☑	PCB-1221			<253.7313	<76.1194	D1		3	
☑	PCB-1232			<253.7313	<61.194	D1		4	
☑	PCB-1242			<253.7313	<61.194	D1		4	
☑	PCB-1248			<253.7313	<49.2537	D1		4	
☑	PCB-1254			<253.7313	<65.6716	D1		4	
☑	PCB-1260	A	628.370215	253.7313	58.209	D1	4.75	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 19 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:58:29

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197309** ACF DF5 T1-5E Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.05 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 01:57:31
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0050.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 95% (61-152) Conc.: 28.78464
%SSR(DCB) : 119% (48-164) Conc.: 32.07753

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**101.92**	
3.45	3.46	3.49	2218.948	1.640506			2
3.56	3.59	3.60	3533.701	2.191537			3
3.74	3.76	3.78	2127.377	1.347597			4
3.78	3.80	3.82	4703.472	2.538707			5
3.91	3.93	3.95	11235.63	9.886631			6
Height Summation:			**23819.128**				
Amount Avg CF:			**3.520996**	Linear:			
Aroclor-1221					**1**		
3.18	3.20	3.22	19995.17	35.72851			2
Height Summation:			**19995.17**				
Amount Avg CF:			**35.72851**	Linear:			
Aroclor-1232					**5**	**113.57**	
3.45	3.46	3.49	2218.948	3.427702			2
3.56	3.59	3.60	3533.701	4.555566			3
3.74	3.76	3.78	2127.377	2.923618			4
3.78	3.80	3.82	4703.472	5.179727			5
3.91	3.93	3.95	11235.63	24.579402			6
Height Summation:			**23819.128**				
Amount Avg CF:			**8.133203**	Linear:			
Aroclor-1242					**5**	**106.64**	
3.45	3.46	3.49	2218.948	1.247492			2
3.56	3.59	3.60	3533.701	1.666672			3
3.74	3.76	3.78	2127.377	0.910608			4
3.78	3.80	3.82	4703.472	1.835332			5
3.91	3.93	3.95	11235.63	7.767656			6
Height Summation:			**23819.128**				
Amount Avg CF:			**2.685552**	Linear:			
Aroclor-1248					**6**	**174.28**	
3.78	3.80	3.82	4703.472	5.149937			1
3.84	3.86	3.88	3024.481	3.112999			2
3.91	3.93	3.95	11235.63	6.945283			3
4.03	4.05	4.07	3915.792	2.143633			4
4.12	4.14	4.16	11818.97	7.473079			5
4.30	4.31	4.34	131463.7	77.820919			6
Height Summation:			**166162.045**				
Amount Avg CF:			**17.107642**	Linear:			
Aroclor-1254					**6**	**123.47**	
4.29	4.31	4.32	131463.7	72.171749			1
+ 4.63	4.66	4.67	18080.54	9.359378			2
4.63	4.67	4.67	143082.7	74.066651			2
4.69	4.72	4.73	383354.3	93.80139			3
4.91	4.93	4.95	173521.3	69.456622			4
5.11	5.13	5.15	707004.2	494.602358			5
5.23	5.24	5.27	1760026	937.285527			6
Height Summation:			**3298452.2**				
Amount Avg CF:			**290.230716**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 01:57:31
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0050.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 98% (61-152) Conc.: 29.93859
%SSR(DCB) : 119% (48-164) Conc.: 32.04239

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**200.74**	
2.92	2.95	2.96	164571.3	121.737209			1
3.12	3.14	3.16	4673.101	2.718049			2
3.25	3.27	3.29	1570.457	0.924128			3
3.40	3.42	3.44	3260.01	1.789886			4
3.44	3.46	3.48	3575.126	2.089893			5
3.57	3.59	3.61	20700.98	14.691529			6
Height Summation:			**198350.974**				
Amount Avg CF:			**23.991782**	Linear:			
Aroclor-1221					**3**	**70.77**	
2.80	2.82	2.84	14740.69	20.019108			1
2.86	2.87	2.90	19567.78	42.366232			2
2.92	2.95	2.96	164571.3	90.645659			3
Height Summation:			**198879.77**				
Amount Avg CF:			**51.010333**	Linear:			
Aroclor-1232					**6**	**154.61**	
2.92	2.95	2.96	164571.3	99.505028			1
3.12	3.14	3.16	4673.101	5.383487			2
3.25	3.27	3.29	1570.457	1.870534			3
3.40	3.42	3.44	3260.01	3.889419			4
3.44	3.46	3.48	3575.126	4.188544			5
3.57	3.59	3.61	20700.98	34.943498			6
Height Summation:			**198350.974**				
Amount Avg CF:			**24.963418**	Linear:			
Aroclor-1242					**6**	**196.06**	
2.92	2.95	2.96	164571.3	88.031994			1
3.12	3.14	3.16	4673.101	3.078122			2
3.25	3.27	3.29	1570.457	0.707003			3
3.40	3.42	3.44	3260.01	1.232683			4
3.44	3.46	3.48	3575.126	1.509913			5
3.57	3.59	3.61	20700.98	11.622403			6
Height Summation:			**198350.974**				
Amount Avg CF:			**17.69702**	Linear:			
Aroclor-1248					**6**	**149.25**	
3.44	3.46	3.48	3575.126	4.563035			1
3.51	3.53	3.55	5556.825	5.173639			2
3.55	3.56	3.59	10791.95	5.834919			3
3.67	3.69	3.71	6282.276	2.825057			4
3.76	3.77	3.80	11442.58	7.441484			5
3.90	3.91	3.94	155495.8	53.160675			6
Height Summation:			**193144.557**				
Amount Avg CF:			**13.166468**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197309** ACF DF5 T1-5E Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.05 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 01:57:31
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0050.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	15.50	
4.82	4.84	4.86	1321587	451.758331			1
5.02	5.04	5.06	1714483	597.052222			2
5.23	5.24	5.27	1760026	645.93096			3
5.45	5.47	5.49	1043334	661.222171			4
5.69	5.71	5.73	2836598	734.087844			5
5.89	5.91	5.93	1718793	680.169762			6
Height Summation:			**10394821**				
Amount Avg CF:			**628.370215**	Linear:			
Aroclor-1262					6	30.82	
5.29	5.31	5.33	878744.6	375.372532			1
5.45	5.47	5.49	1043334	501.336127			2
5.69	5.71	5.73	2836598	621.194611			3
5.89	5.91	5.93	1718793	551.479692			4
5.95	5.96	5.99	349188.5	222.668431			5
6.31	6.33	6.35	676622.6	481.17945			6
Height Summation:			**7503280.7**				
Amount Avg CF:			**458.871807**	Linear:			
Aroclor-1268					6	98.51	
5.89	5.91	5.93	1718793	307.421062			1
5.95	5.96	5.99	349188.5	72.225892			2
6.08	6.10	6.12	47484.4	10.234373			3
+ 6.14	6.15	6.18	35864.45	29.441566			4
6.14	6.18	6.18	329979.2	270.883967			4
6.31	6.33	6.35	676622.6	473.238442			5
6.51	6.53	6.55	132855.8	14.117724			6
Height Summation:			**3254923.5**				
Amount Avg CF:			**191.353577**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 01:57:31
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0050.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	119.31	
4.20	4.22	4.24	75439.09	32.52154			1
+ 4.26	4.26	4.30	125082.6	30.496644			2
+ 4.26	4.28	4.30	152965.4	37.294806			2
4.26	4.29	4.30	391731.9	95.508954			2
4.35	4.37	4.39	1396495	724.864278			3
4.42	4.44	4.46	83324.73	32.890825			4
4.64	4.67	4.68	196390.9	110.111168			5
4.72	4.74	4.76	2110939	746.992356			6
Height Summation:			**4254320.62**				
Amount Avg CF:			**290.48152**	Linear:			
Aroclor-1260					6	18.31	
4.35	4.37	4.39	1396495	466.183341			1
4.49	4.51	4.53	2010468	585.062578			2
4.60	4.61	4.64	1339419	482.050162			3
4.72	4.74	4.76	2110939	629.561343			4
5.14	5.16	5.18	3048772	704.251563			5
5.40	5.42	5.44	1866864	728.209011			6
Height Summation:			**11772957**				
Amount Avg CF:			**599.219666**	Linear:			
Aroclor-1262					6	28.15	
4.76	4.77	4.80	1005641	306.733817			1
4.95	4.96	4.99	1233132	404.182099			2
5.14	5.16	5.18	3048772	541.583222			3
5.36	5.37	5.40	532081.6	261.333929			4
5.40	5.42	5.44	1866864	543.577234			5
5.78	5.80	5.82	641164.2	436.203345			6
Height Summation:			**8327654.8**				
Amount Avg CF:			**415.602274**	Linear:			
Aroclor-1268					6	121.33	
5.36	5.37	5.40	532081.6	91.21329			1
5.40	5.42	5.44	1866864	333.783178			2
5.56	5.57	5.60	45348.51	9.698052			3
5.62	5.64	5.66	25745.38	22.617474			4
+ 5.62	5.66	5.66	3270.142	2.87284			4
5.78	5.80	5.82	641164.2	399.97068			5
5.98	6.00	6.02	132655.6	12.024641			6
Height Summation:			**3243859.29**				
Amount Avg CF:			**144.884553**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			253.7313	49.2537		** 148.81	4	40	
Aroclor-1221			253.7313	76.1194		35.24	3	40	
Aroclor-1232			253.7313	61.194		** 101.70	4	40	
Aroclor-1242			253.7313	61.194		** 147.30	4	40	
Aroclor-1248			253.7313	49.2537		26.04	4	40	
Aroclor-1254			253.7313	65.6716		0.09	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9197309 ACF DF5 T1-5E Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.05 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 01:57:31
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0050.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 01:57:31
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0050.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1260			253.7313	58.209		4.75	4	40	
Aroclor-1262			253.7313	49.2537		9.90	4	40	
Aroclor-1268			253.7313	49.2537		27.64	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197309 ACF DF5 ACT1-5E T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 1:57:31 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0050.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.642		3123	3896
1.744		5949	5186
2.046		2591	1875
2.112		9644	16983
2.152		19528	43924
2.201		40651	39663
2.27		46356	35194
2.294		8934	7400
2.39		18590	14427
2.436		10631	10888
2.461		15609	14783
2.549		5654	4586
2.629		2173	1685
2.703		34603	19233
2.721		36036	19784
2.802		4072	2866
2.823		2338	1709
2.874		11210	8032
2.999	TCX	2189909	1450589
3.106		15104	10845
3.197		19995	12342
3.305		16121	10787
3.319		136641	79316
3.455		2219	1867
3.549		2281	1627
3.594		3534	2924
3.657		4287	2477
3.739		4745	3091
3.759		2127	1693
3.801		4703	3983
3.827		2055	684
3.858		3024	2666
3.889		926	118
3.902		3115	2210
3.927		11236	8572
3.966		18152	14389
4		2783	2677
4.054		3916	2045
4.111		3539	1977
4.135		11819	11193
4.167		4478	2751
4.213		2750	1535
4.248		10153	7249
4.27		6135	3383
4.307		131464	101192
4.353		15059	13304
4.42		58668	50210
4.463		281684	242953
4.497		37909	29765
4.537		4967	3702
4.561		7914	5451
4.602		75801	70560
4.656		18081	14528

RT A	Compound A	Height A	Area A
4.671		143083	110909
4.716		383354	341163
4.765		578280	637307
4.801		119189	78644
4.841		1321587	1234747
4.887		22328	18702
4.928		173521	183974
4.962		10959	6873
4.989		316943	300655
5.041		1714483	2044728
5.093		292661	264353
5.132		707004	749114
5.173		12153	6619
5.211		164722	195472
5.245		1760026	1610766
5.267		62141	27864
5.287		26585	11973
5.311		878745	803210
5.353		595723	581018
5.448		233870	179954
5.472		1043334	905002
5.528		633647	581505
5.567		377655	356897
5.611		50691	49516
5.651		358518	340275
5.678		4756	2081
5.706		2836598	2940264
5.793		3833	2352
5.809		1505	791
5.825		10628	7468
5.851		5596	4662
5.91		1718793	1682456
5.942		88760	68913
5.964		349189	392556
6.076		9138	6511
6.099		47484	41023
6.153		35864	32968
6.179		329979	309256
6.266		1717	1014
6.302		1395	548
6.332		676623	689833
6.378		45781	39407
6.534		132856	131292
6.642		995	443
6.679	DCB	870288	923545
6.938		1313	247
6.958		1391	454
7.002		806	251
7.018		1111	488
7.147		1777	1231
7.269		1389	666
7.288		1220	1039
7.359		1955	462
7.375		1299	365
7.462		1672	759
7.489		1443	669
7.6		1518	550
7.665		1480	689
7.722		1809	1336
7.751		1414	586
7.798		1293	530
7.872		1401	404
7.905		1728	1040
7.935		1083	666
7.958		1424	406
8.264		1496	763

RT A	Compound A	Height A	Area A
8.322		1547	927
8.626		1618	840
8.656		1232	600

LANCASTER LABORATORIES

Sample Number: 9197309 ACF DF5 ACT1-5E T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 1:57:31 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0050.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.525		4944	4150
1.615		3487	2364
1.833		3708	2694
1.865		1986	1421
1.91		35599	27665
1.958		20168	17709
1.994		42155	29308
2.031		11458	16882
2.151		15826	10263
2.193		2295	3167
2.268		9036	10617
2.347		29061	32171
2.401		43039	30347
2.469		3382	2977
2.529		8800	5028
2.604		1684	866
2.652	TCX	2338596	1441436
2.737		4337	7001
2.821		14741	9423
2.869		19568	11755
2.948		164571	141769
2.986		5219	4759
3.108		1270	1488
3.145		4673	6127
3.219		1305	1007
3.268		1570	812
3.303		7254	8316
3.361		6151	3799
3.423		3260	3418
3.463		3575	4828
3.531		5557	5735
3.564		10792	6070
3.589		20701	14348
3.622		3886	2365
3.665		1860	966
3.691		6282	5102
3.712		8556	5636
3.737		5795	4569
3.766		11443	6928
3.818		3688	3627
3.866		8715	10229
3.915		155496	108483
3.94		5955	3345
3.961		7134	3742
3.98		68266	46076
4.016		274022	197350
4.049		37324	21268
4.065		17159	9122
4.129		7119	9214
4.161		44898	49738
4.182		4775	4843
4.219		75439	52762
4.261		125083	80511
4.28		152965	78338

4.293		391732	225163
4.319		237497	228292
4.372		1396495	1056272
4.419		31307	34487
4.442		83325	54183
4.466		403794	300111
4.509		2010468	1565246
4.613		1339419	1326027
4.666		196391	165907
4.705		487902	410292
4.742		2110939	1757754
4.773		1005641	714133
4.813		697344	578737
4.869		11289	7425
4.913		190078	130262
4.929		36982	16862
4.963		1233132	985834
4.987		166140	108177
5.038		728024	656004
5.073		376994	297764
5.104		275728	217630
5.136		60203	36452
5.158		3048772	2628691
5.199		58888	39192
5.23		95259	78912
5.274		6325	4372
5.294		6467	3990
5.328		3128	2284
5.35		22870	14491
5.372		532082	449454
5.417		1866864	2103917
5.573		45349	38944
5.618		50507	38018
5.641		25745	17042
5.663		3270	1674
5.691		304391	272197
5.731		4693	3803
5.798		641164	547089
5.829		31917	22204
5.998		132656	129883
6.157	DCB	1026002	969105
6.331		2016	1587
6.36		2518	2728
6.635		2157	1921
7.623		3096	4549
8.294		8395	13896

9197309 ACF DF5 ACT1-5E T 172510039A 10225 SW-846 8082

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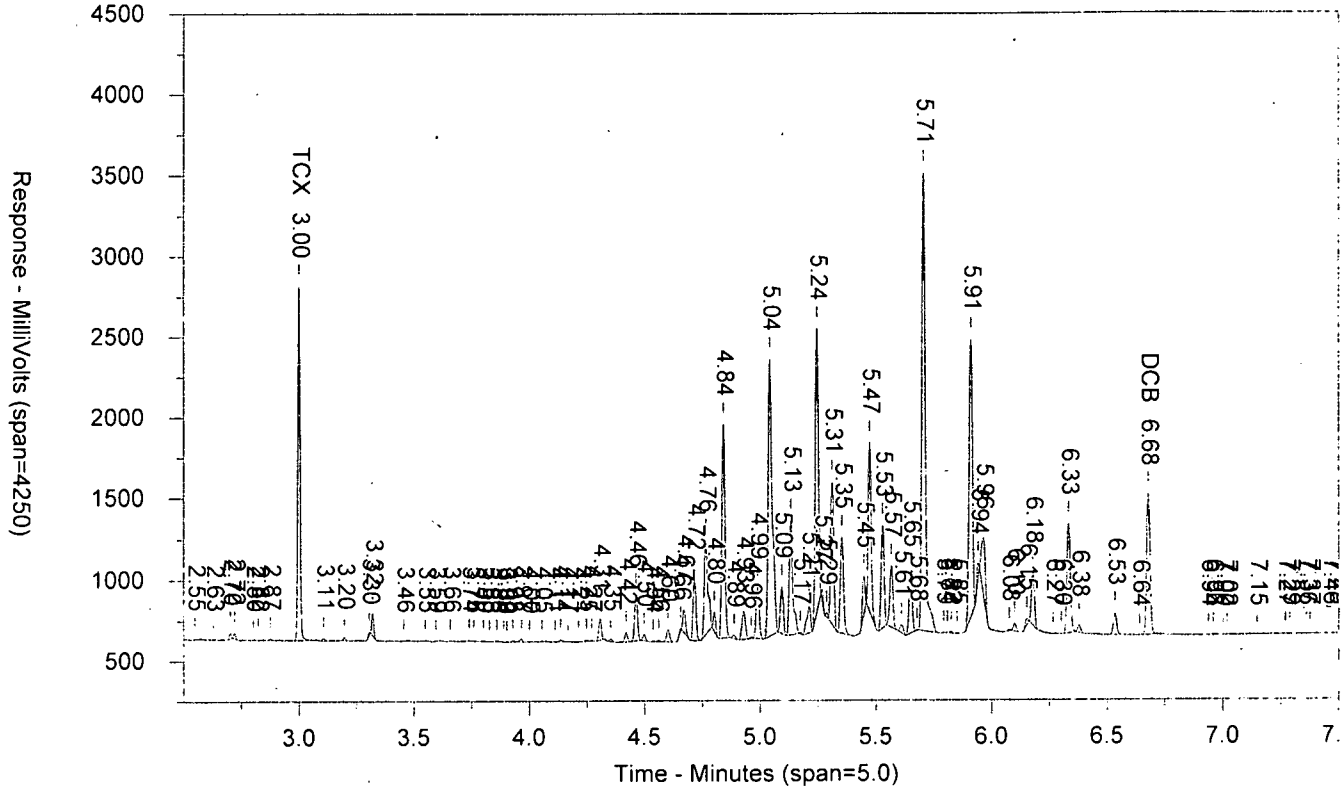

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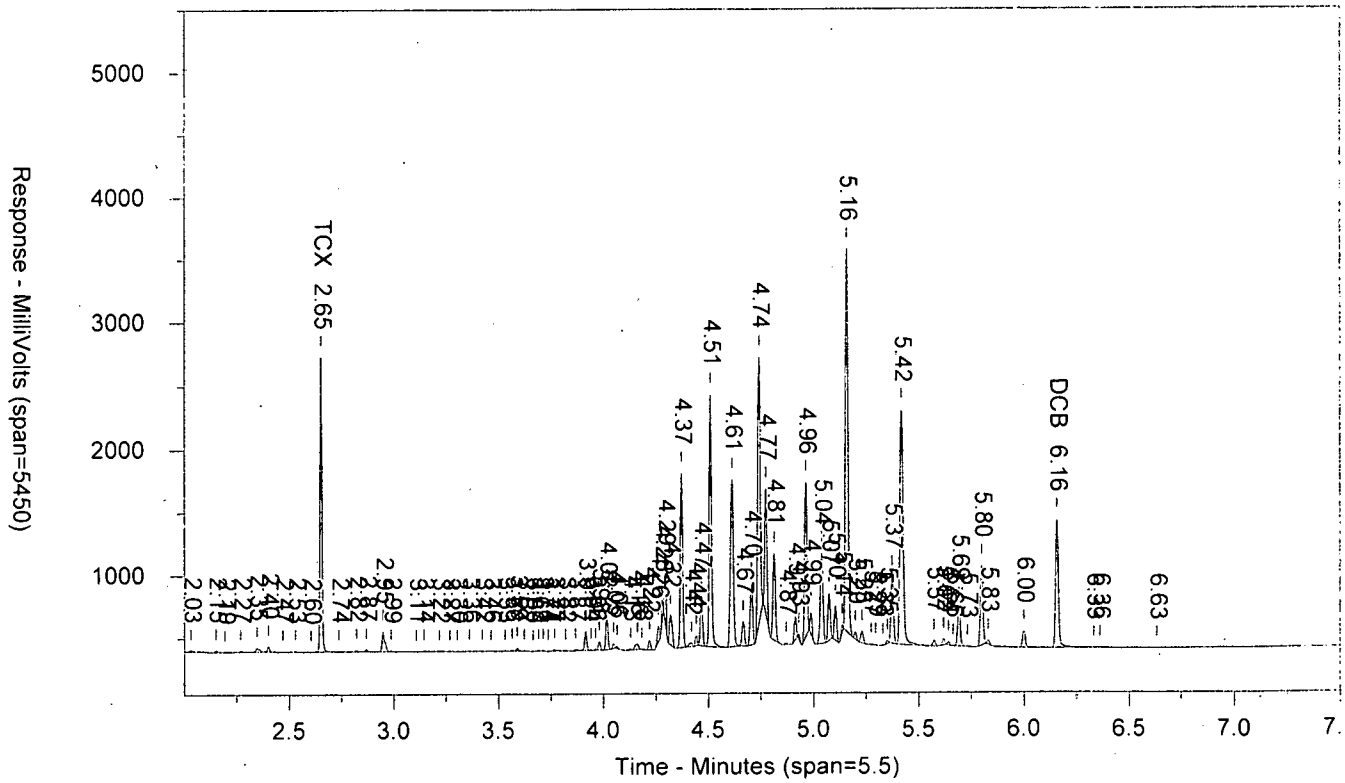

LANCASTER LABORATORIES

Sample Number: 9197309 ACF DF5 ACT1-5E T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 1:57:31 AM
Sample Weight: 10.05
Instrument ID: CP7-19843A
Dilution Factor: 50
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	2189909	28.785	TCX	2.652	2338596	29.939	TCX
6.679	870288	32.078	DCB	6.157	1026002	32.042	DCB

Files:
Area File: 07pcbs17250008.0050.RAW
Area File: 07pcbs17250008B.0050.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 2:06:14 AM
File Reported On: 9/18/2017 at 2:06:27 AM

9197309 ACF DF5 ACT1-5E T 172510039A 10225 SW-846 8082

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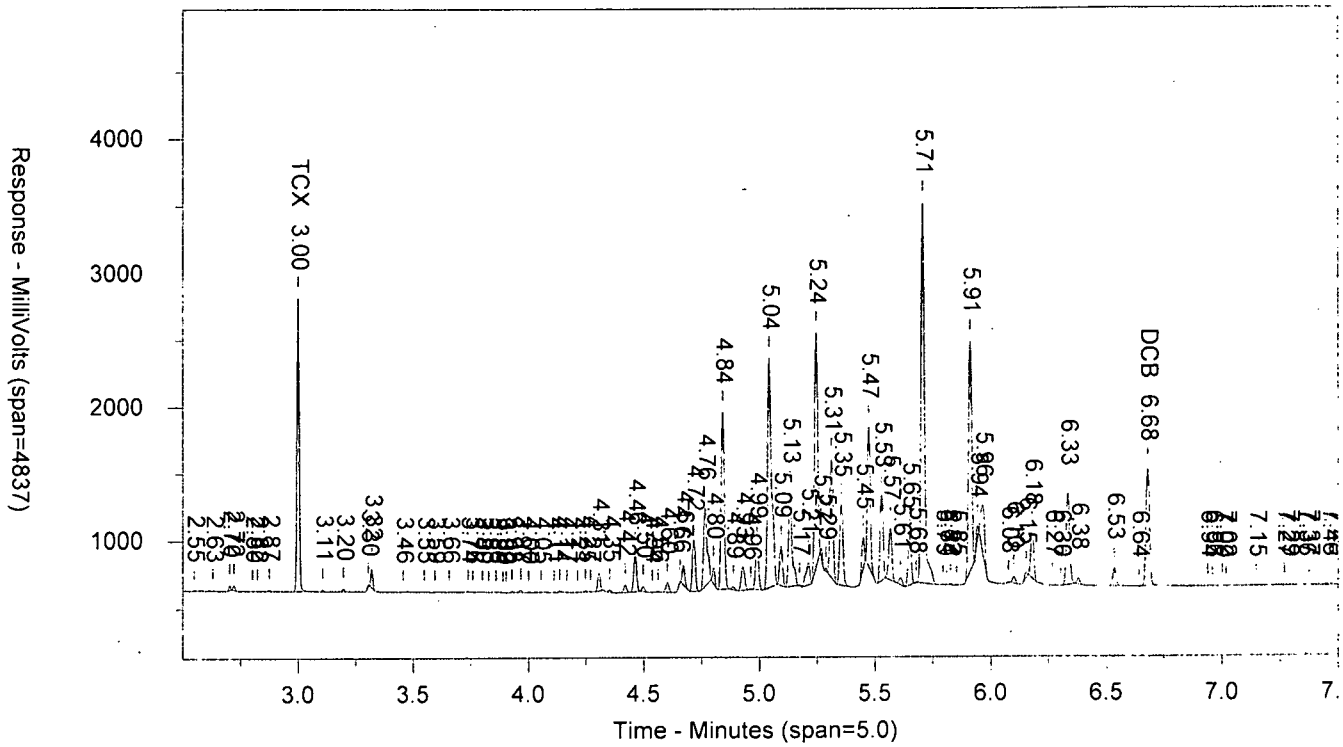

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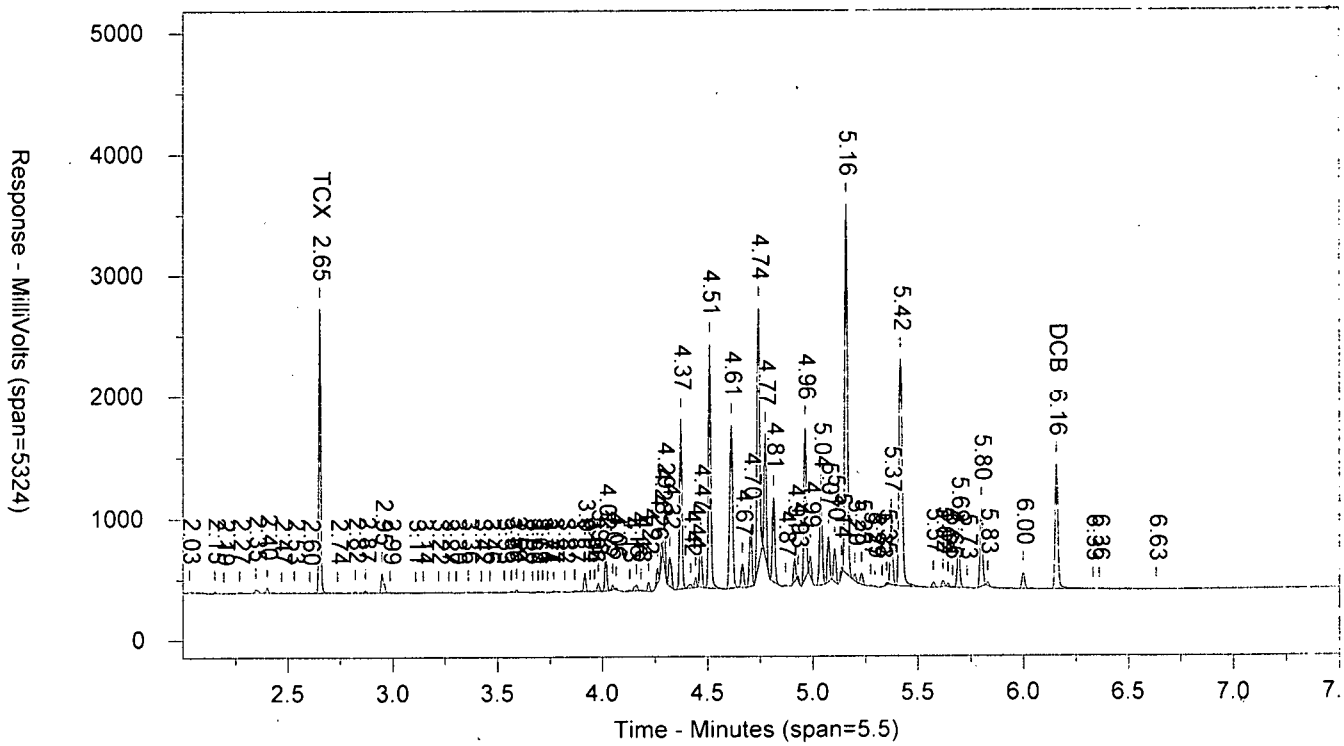

9197309 ACF DF5 ACT1-5E T 172510039A 10225 SW-846 8082

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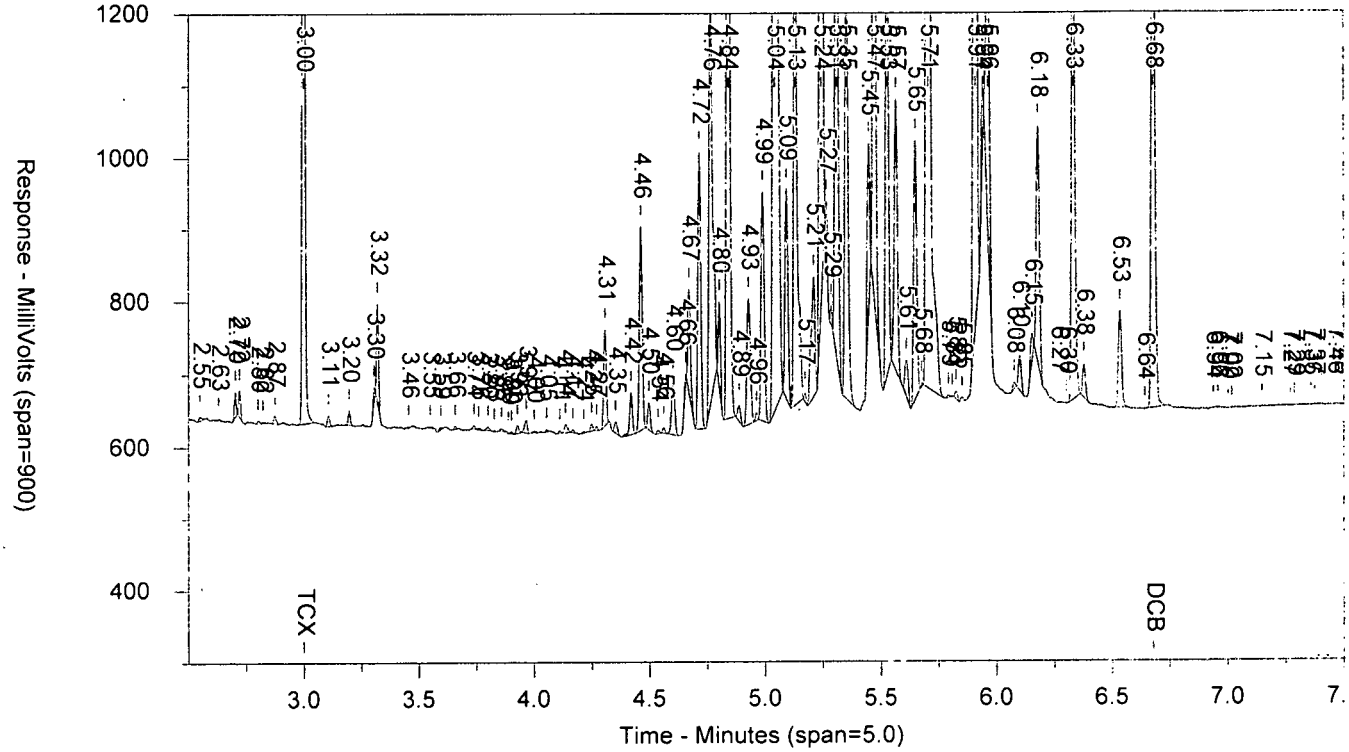

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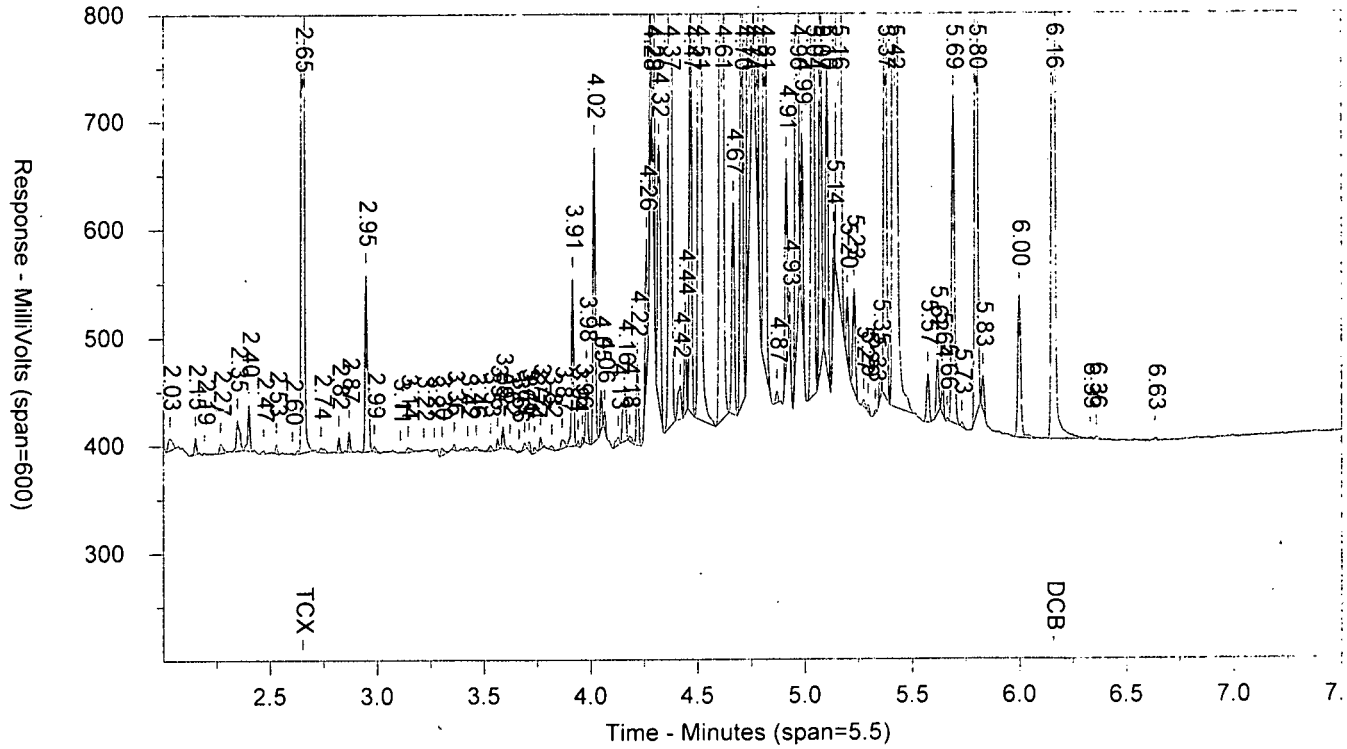

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9197310 ACF DF100 T1-6W Sample ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.05 g Total Volume: 1000 ml Analyst: 2855 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 02:09:00
Instrument	19843A
Result file	07PCBS17250008.0051.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 97% (61 - 152) Conc: 29.63485
%SSR(DCB) 150% (48 - 164) Conc: 40.38761

Analysis Report (B)

Injected on	Sep 18, 2017 02:09:00
Instrument	19843B
Result file	07PCBS17250008B.0051.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 103% (61 - 152) Conc: 31.38979
%SSR(DCB) 130% (48 - 164) Conc: 35.16047

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	112730	29.63485
Decachlorobiphenyl	6.65	6.68	6.71	54787	40.38761

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	122598	31.38979
Decachlorobiphenyl	6.13	6.16	6.19	56292	35.16047

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	31.38979				5.75	
☑	Tetrachloro-m-xylene-D1	A	29.63485					
☑	Tetrachloro-m-xylene-D2	B	31.38979					
☐	Decachlorobiphenyl	A	40.38761				13.84	
☑	Decachlorobiphenyl-D1	A	40.38761					
☑	Decachlorobiphenyl-D2	B	35.16047					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.68**	
4.82	4.84	4.86	1492291	10202.202222			1
5.02	5.04	5.06	1657900	11546.954733			2
5.23	5.25	5.27	1615039	11854.412287			3
5.45	5.47	5.49	1021137	12943.09251			4
5.69	5.71	5.73	2713231	14043.229911			5
5.89	5.91	5.93	1726875	13667.360267			6

Height summation: **10226473**
Concentration CF: **12376.208655** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.08**	
4.35	4.37	4.39	1501928	10027.587832			1
4.49	4.51	4.53	1890759	11004.525662			2
4.60	4.61	4.64	1388092	9991.34659			3
4.72	4.74	4.76	1938127	11560.446194			4
5.14	5.16	5.18	3254274	15034.43059			5
5.40	5.42	5.44	1829400	14271.908021			6

Height summation: **11802580**
Concentration CF: **11981.707482** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<5074.6271	<985.0747	D1		4	
☑	PCB-1221			<5074.6271	<1522.3881	D1		3	
☑	PCB-1232			<5074.6271	<1223.8807	D1		4	
☑	PCB-1242			<5074.6271	<1223.8807	D1		4	
☑	PCB-1248			<5074.6271	<985.0747	D1		4	
☑	PCB-1254			<5074.6271	<1313.4329	D1		4	
☑	PCB-1260	A	12376.208655	5074.6271	1164.1792	D1	3.24	4	

Units: ug/kg

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

Valerie L Tomayko
Principal Specialist

SEP 27 2017

Reviewed and digitally signed by Jessica L Miller on 9/27/2017 20:01:33

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197310** ACF DF100 T1-6W ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.05 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 02:09:00
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0051.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 97% (61-152) Conc.: 29.63485
%SSR(DCB) : 150% (48-164) Conc.: 40.38761

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**77.15**	
3.23	3.26	3.27	5774.766	87.401796			1
3.56	3.59	3.60	3105.554	38.520153			3
3.78	3.80	3.82	4400.781	47.506586			5
3.91	3.93	3.95	10930.47	192.362205			6
Height Summation:			**24211.571**				
Amount Avg CF:			**91.447685**	Linear:			
Aroclor-1221					**1**		
3.23	3.26	3.27	5774.766	67.756023			3
Height Summation:			**5774.766**				
Amount Avg CF:			**67.756023**	Linear:			
Aroclor-1232					**4**	**108.22**	
3.23	3.26	3.27	5774.766	74.499693			1
3.56	3.59	3.60	3105.554	80.072178			3
3.78	3.80	3.82	4400.781	96.92773			5
3.91	3.93	3.95	10930.47	478.236491			6
Height Summation:			**24211.571**				
Amount Avg CF:			**182.434023**	Linear:			
Aroclor-1242					**4**	**80.52**	
3.23	3.26	3.27	5774.766	65.275908			1
3.56	3.59	3.60	3105.554	29.294718			3
3.78	3.80	3.82	4400.781	34.344397			5
3.91	3.93	3.95	10930.47	151.133731			6
Height Summation:			**24211.571**				
Amount Avg CF:			**70.012188**	Linear:			
Aroclor-1248					**6**	**193.58**	
3.78	3.80	3.82	4400.781	96.370284			1
3.84	3.86	3.88	5486.637	112.944313			2
3.91	3.93	3.95	10930.47	135.132976			3
4.03	4.06	4.07	4237.243	46.392107			4
4.12	4.14	4.16	13507.9	170.81962			5
4.30	4.31	4.34	223223.1	2642.77161			6
Height Summation:			**261786.131**				
Amount Avg CF:			**534.071818**	Linear:			
Aroclor-1254					**6**	**110.66**	
4.29	4.31	4.32	223223.1	2450.927745			1
4.63	4.67	4.67	218277.8	2259.826754			2
4.69	4.72	4.73	357410.5	1749.066167			3
4.91	4.93	4.95	171168.8	1370.2994			4
5.11	5.13	5.15	690335.4	9658.825702			5
5.23	5.25	5.27	1615039	17201.480885			6
Height Summation:			**3275454.6**				
Amount Avg CF:			**5781.737776**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 02:09:00
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0051.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 103% (61-152) Conc.: 31.38979
%SSR(DCB) : 130% (48-164) Conc.: 35.16047

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**182.36**	
2.92	2.95	2.96	183193.6	2710.251138			1
3.12	3.16	3.16	5371.964	62.490682			2
3.25	3.27	3.29	3170.035	37.307835			3
3.44	3.46	3.48	4968.288	58.085742			5
3.57	3.59	3.61	22816.37	323.856506			6
Height Summation:			**219520.257**				
Amount Avg CF:			**638.398381**	Linear:			
Aroclor-1221					**2**	**105.49**	
2.80	2.82	2.84	10811.39	293.655705			1
2.92	2.95	2.96	183193.6	2018.055945			3
Height Summation:			**194004.99**				
Amount Avg CF:			**1155.855825**	Linear:			
Aroclor-1232					**5**	**138.72**	
2.92	2.95	2.96	183193.6	2215.293221			1
3.12	3.16	3.16	5371.964	123.771777			2
3.25	3.27	3.29	3170.035	75.515069			3
3.44	3.46	3.48	4968.288	116.414882			5
3.57	3.59	3.61	22816.37	770.286022			6
Height Summation:			**219520.257**				
Amount Avg CF:			**660.256194**	Linear:			
Aroclor-1242					**5**	**177.55**	
2.92	2.95	2.96	183193.6	1959.867592			1
3.12	3.16	3.16	5371.964	70.769122			2
3.25	3.27	3.29	3170.035	28.542312			3
3.44	3.46	3.48	4968.288	41.965969			5
3.57	3.59	3.61	22816.37	256.201447			6
Height Summation:			**219520.257**				
Amount Avg CF:			**471.469288**	Linear:			
Aroclor-1248					**6**	**168.32**	
3.44	3.46	3.48	4968.288	126.823347			1
3.51	3.53	3.55	6658.43	123.985591			2
3.55	3.56	3.59	9641.852	104.261834			3
3.67	3.69	3.71	6592.929	59.295073			4
3.76	3.77	3.80	12070.67	156.999019			5
3.90	3.92	3.94	236006.3	1613.709721			6
Height Summation:			**275938.469**				
Amount Avg CF:			**364.179098**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197310** ACF DF100 T1-6W ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.05 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 02:09:00
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0051.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	11.68	
4.82	4.84	4.86	1492291	10202.202222			1
5.02	5.04	5.06	1657900	11546.954733			2
5.23	5.25	5.27	1615039	11854.412287			3
5.45	5.47	5.49	1021137	12943.09251			4
5.69	5.71	5.73	2713231	14043.229911			5
5.89	5.91	5.93	1726875	13667.360267			6
Height Summation:			**10226473**				
Amount Avg CF:			**12376.208655**	Linear:			
Aroclor-1262					6	28.71	
5.29	5.31	5.33	903739.4	7720.990761			1
5.45	5.47	5.49	1021137	9813.403359			2
5.69	5.71	5.73	2713231	11883.562457			3
5.89	5.91	5.93	1726875	11081.456507			4
5.95	5.96	5.99	364381.2	4647.128428			5
6.31	6.33	6.35	655282.8	9320.073482			6
Height Summation:			**7384646.4**				
Amount Avg CF:			**9077.769166**	Linear:			
Aroclor-1268					6	97.71	
5.89	5.91	5.93	1726875	6177.331951			1
5.95	5.96	5.99	364381.2	1507.366787			2
6.08	6.10	6.12	27033.24	116.530171			3
+ 6.14	6.15	6.18	39284.04	644.974991			4
6.14	6.18	6.18	337168.1	5535.708451			4
6.31	6.33	6.35	655282.8	9166.26229			5
6.51	6.53	6.55	126195.3	268.199114			6
Height Summation:			**3236935.64**				
Amount Avg CF:			**3795.233127**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 02:09:00
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0051.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	119.39	
4.20	4.22	4.24	64171.73	553.28438			1
+ 4.26	4.26	4.30	146843.2	716.042806			2
+ 4.26	4.28	4.30	106899.9	521.269656			2
4.26	4.29	4.30	416611.4	2031.497516			2
4.35	4.37	4.39	1501928	15591.80599			3
4.42	4.44	4.46	72762.04	574.428157			4
4.64	4.67	4.68	207441	2326.133327			5
4.72	4.74	4.76	1938127	13716.796677			6
Height Summation:			**4201041.17**				
Amount Avg CF:			**5798.991008**	Linear:			
Aroclor-1260					6	18.08	
4.35	4.37	4.39	1501928	10027.587832			1
4.49	4.51	4.53	1890759	11004.525662			2
4.60	4.61	4.64	1388092	9991.34659			3
4.72	4.74	4.76	1938127	11560.446194			4
5.14	5.16	5.18	3254274	15034.43059			5
5.40	5.42	5.44	1829400	14271.908021			6
Height Summation:			**11802580**				
Amount Avg CF:			**11981.707482**	Linear:			
Aroclor-1262					6	28.45	
4.76	4.77	4.80	1026562	6262.299973			1
4.95	4.96	4.99	1379276	9041.670622			2
5.14	5.16	5.18	3254274	11561.771099			3
5.36	5.37	5.40	540634.1	5310.69044			4
5.40	5.42	5.44	1829400	10653.375845			5
5.78	5.80	5.82	616646.4	8390.462915			6
Height Summation:			**8646792.5**				
Amount Avg CF:			**8536.711816**	Linear:			
Aroclor-1268					6	124.21	
5.36	5.37	5.40	540634.1	1853.588435			1
5.40	5.42	5.44	1829400	6541.697151			2
5.56	5.57	5.60	30504.94	130.473308			3
5.62	5.64	5.66	11557.27	203.062648			4
5.78	5.80	5.82	616646.4	7693.520013			5
5.98	6.00	6.02	122028.5	221.226833			6
Height Summation:			**3150771.21**				
Amount Avg CF:			**2773.928065**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5074.6266	985.0746		** 149.88	4	40	
Aroclor-1221			5074.6266	1522.388		** 177.85	3	40	
Aroclor-1232			5074.6266	1223.8805		** 113.40	4	40	
Aroclor-1242			5074.6266	1223.8805		** 148.28	4	40	
Aroclor-1248			5074.6266	985.0746		37.83	4	40	
Aroclor-1254			5074.6266	1313.4328		0.30	4	40	
Aroclor-1260			5074.6266	1164.179		3.24	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197310** ACF DF100 T1-6W ID: AC **Batchnumber: 172510039A**
Sample Amount: 10.05 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 18, 2017 02:09:00
Instrument	: CP 7--19843A
Result file	: 07PCBS17250008.0051.RAW
Calibration file	: 07PCBS1725001.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Sep 18, 2017 02:09:00
Instrument	: CP 7--19843B
Result file	: 07PCBS17250008B.0051.RAW
Calibration file	: 07PCBS1725001B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			5074.6266	985.0746		6.14	4	40	
Aroclor-1268			5074.6266	985.0746		31.09	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197310 ACF DF100 ACT1-6W T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 2:09:00 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0051.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.642		13543	15916
1.749		9437	6954
1.86		3699	2804
1.969		3602	2373
2.111		6986	7667
2.15		9789	12658
2.27		49204	38922
2.385		6109	6469
2.436		8860	11710
2.478		4718	3422
2.552		7530	7319
2.575		7448	6147
2.668		5766	5087
2.703		23245	12846
2.72		44490	24245
2.76		6422	5753
2.846		5499	4113
2.876		8085	4663
2.907		2146	1354
3	TCX	112730	71046
3.107		8349	6567
3.176		3798	2369
3.255		5775	3946
3.303		13731	6941
3.32		172738	105704
3.591		3106	1992
3.655		4023	3383
3.738		5529	4092
3.799		4401	4118
3.859		5487	3917
3.898		1755	1436
3.929		10930	7406
3.966		19953	14930
3.999		3151	3441
4.055		4237	6785
4.109		3602	2322
4.137		13508	14438
4.184		1725	558
4.216		2090	1665
4.25		8555	6250
4.27		8367	4698
4.307		223223	192354
4.353		24758	22338
4.393		1533	853
4.42		57999	46585
4.463		267229	239247
4.498		43768	32742
4.538		4059	2290
4.561		12136	8921
4.602		79752	75192
4.671		218278	273375
4.717		357411	315352
4.765		613413	660532

RT A	Compound A	Height A	Area A
4.802		145375	100262
4.842		1492291	1344756
4.886		16140	12629
4.929		171169	186846
4.962		14237	9509
4.99		312399	295592
5.042		1657900	2059561
5.093		306158	275343
5.133		690335	744729
5.174		11717	6566
5.212		160391	187511
5.245		1615039	1473687
5.268		59813	25632
5.288		24468	11356
5.312		903739	814113
5.354		603685	579392
5.449		207228	170216
5.473		1021137	931241
5.53		637359	575142
5.567		383726	366102
5.608		53752	58168
5.65		302293	295108
5.678		4474	1984
5.706		2713231	2944422
5.79		2815	1508
5.825		3280	1895
5.851		1897	1156
5.91		1726875	1641967
5.941		96034	59154
5.964		364381	411059
6.076		10481	8279
6.099		27033	21910
6.153		39284	31024
6.179		337168	322804
6.333		655283	667119
6.378		40577	35915
6.534		126195	121955
6.65		2211	1258
6.681	DCB	54787	53982
6.852		1244	795
6.936		4472	5381
7.011		1566	398
7.127		1276	559
7.168		1731	811
7.287		1397	754
7.366		1409	505
7.423		1249	342
7.499		1660	664
7.569		1384	489
7.632		1123	625
7.691		1985	732
7.734		1072	1113
7.818		1212	355
7.877		1168	444
7.943		2103	878
8		1715	432
8.168		1322	417
8.203		1747	726
8.261		1521	784
8.551		1300	378
8.664		1520	837

LANCASTER LABORATORIES

Sample Number: 9197310 ACF DF100 ACT1-6W T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 2:09:00 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0051.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.526		8928	8833
1.555		5655	4932
1.659		5880	5397
1.763		5675	3377
1.833		6006	4835
1.866		6841	4522
1.97		7653	8438
1.993		49350	34111
2.029		10614	15145
2.071		8327	5721
2.172		7489	4818
2.27		15499	15590
2.347		22504	29944
2.401		45877	28440
2.461		7598	6441
2.529		6483	3498
2.556		6549	5226
2.651	TCX	122598	81940
2.736		7923	8974
2.821		10811	7777
2.912		4517	4238
2.948		183194	134155
2.995		5138	3744
3.074		5671	4774
3.157		5372	6853
3.217		1531	1209
3.237		4141	3184
3.268		3170	4000
3.307		6146	8071
3.363		6948	6412
3.39		3384	2587
3.464		4968	5946
3.532		6658	5419
3.565		9642	5512
3.589		22816	16295
3.621		3093	2056
3.692		6593	5820
3.715		4742	3137
3.738		6356	4101
3.767		12071	7110
3.819		3996	4089
3.865		11785	11051
3.915		236006	165555
3.941		5884	2825
3.961		12728	7055
3.981		65686	44565
4.017		261386	184945
4.049		39322	22349
4.065		35231	19842
4.128		11528	12883
4.162		47421	51586
4.183		7479	6076
4.219		64172	46527
4.262		146843	91758

4.28		106900	52543
4.293		416611	249518
4.319		258078	260062
4.372		1501928	1153551
4.42		31954	32403
4.442		72762	46356
4.467		403748	304194
4.509		1890759	1567771
4.612		1388092	1389678
4.666		207441	168467
4.705		489499	416457
4.741		1938127	1607983
4.774		1026562	746369
4.813		773481	608471
4.868		5252	2950
4.886		3610	1592
4.913		198693	143608
4.929		22984	12969
4.964		1379276	1055505
4.987		170736	111831
5.038		743872	666814
5.074		377458	300025
5.104		269008	216601
5.136		39693	21466
5.158		3254274	2660922
5.199		55804	37888
5.23		92089	74650
5.35		25191	15626
5.373		540634	453798
5.417		1829401	2118531
5.572		30505	26655
5.618		46283	35261
5.641		11557	7551
5.664		4196	2113
5.691		307673	270707
5.799		616646	533167
5.829		28342	20353
5.998		122029	106735
6.158	DCB	56292	49950
6.247		1508	1788
6.332		2177	1315
6.361		5380	7603
6.6		9417	7994
7.372		1420	936
7.626		4057	5775
8.289		8499	14160
8.512		1658	2175

9197310 ACF DF100 ACT1-6W T 172510039A 10225 SW-846 8082

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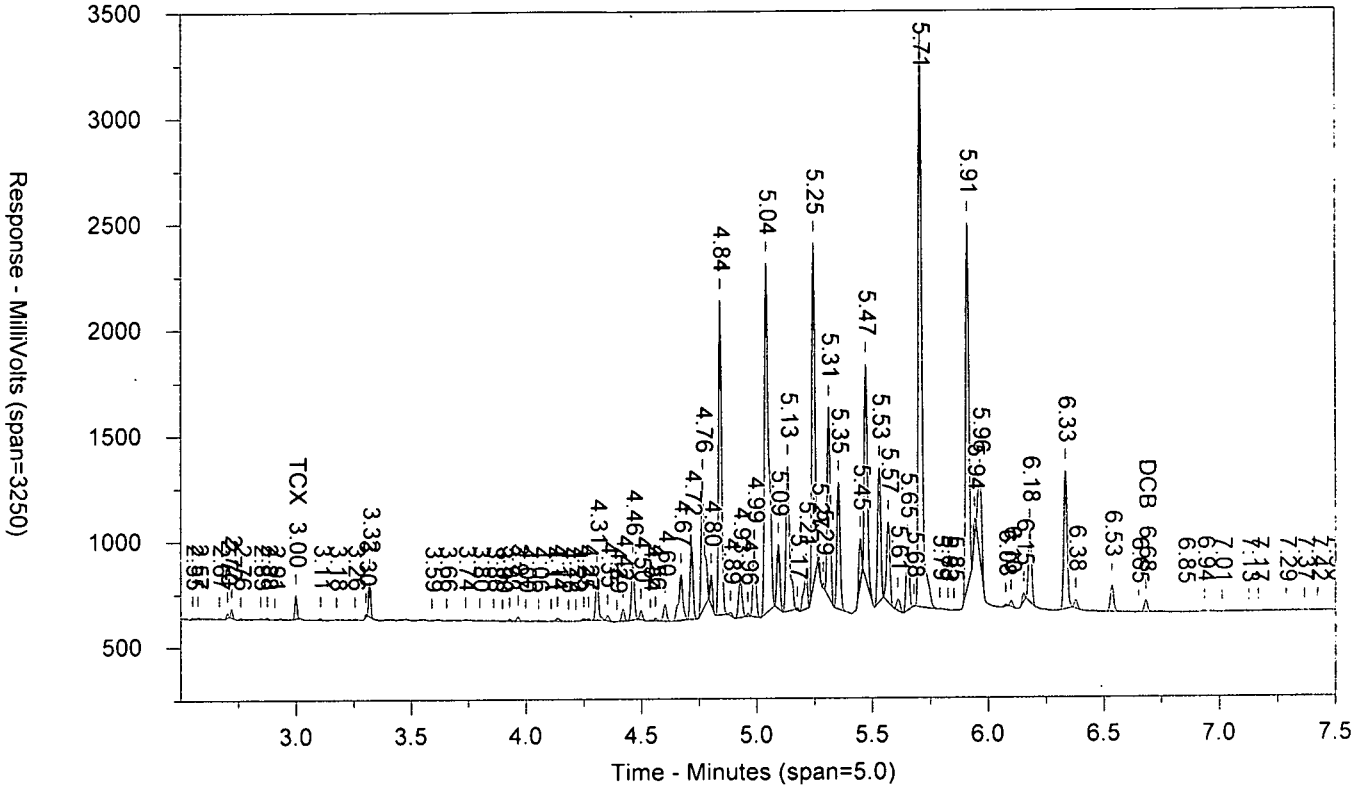

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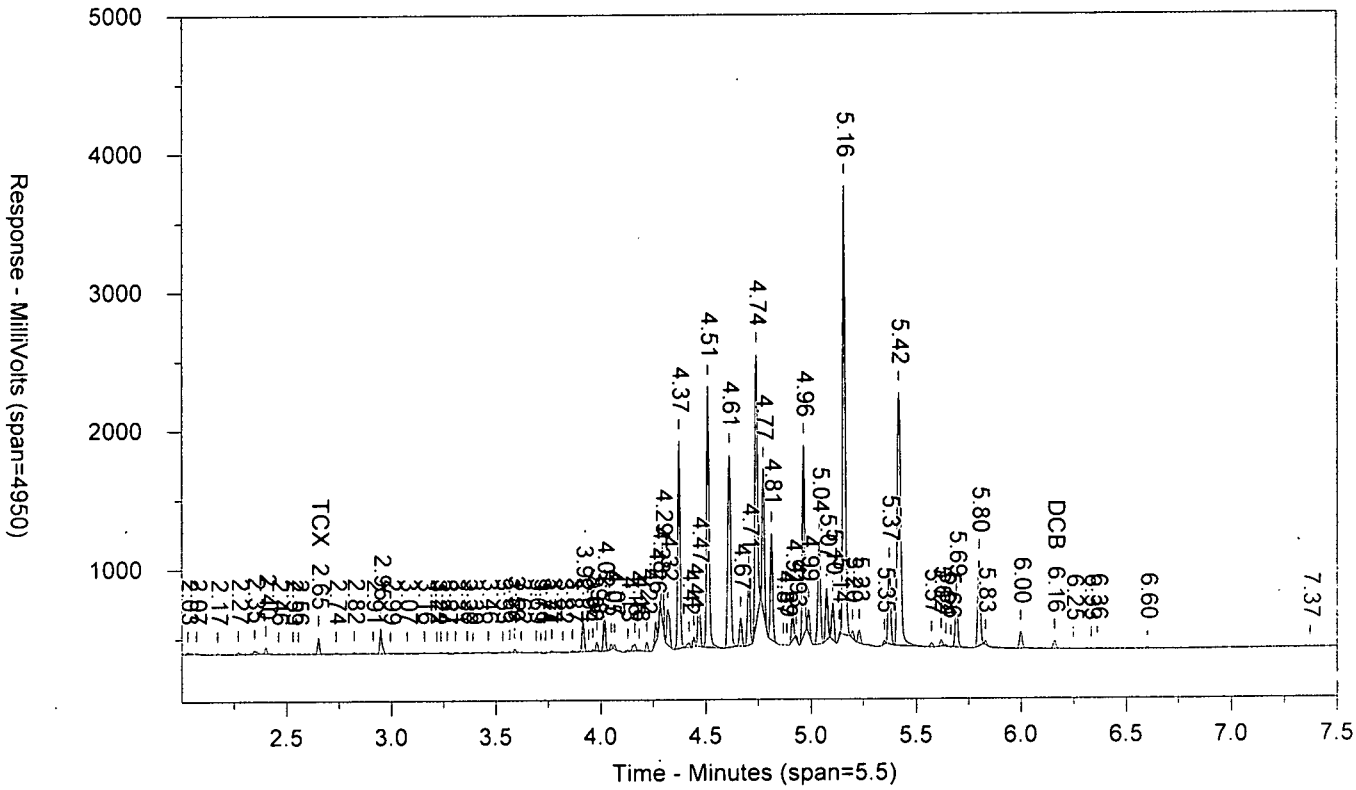

LANCASTER LABORATORIES

Sample Number: 9197310 ACF DF100 ACT1-6W T 172510039A 10225 SW-846 8082
Injected On: 9/18/2017 2:09:00 AM
Sample Weight: 10.05
Instrument ID: CP7-19843A
Dilution Factor: 1000
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	112730	29.635	TCX	2.651	122598	31.39	TCX
6.681	54787	40.388	DCB	6.158	56292	35.16	DCB

Files:
Area File: 07pcbs17250008.0051.RAW
Area File: 07pcbs17250008B.0051.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 2:17:46 AM
File Reported On: 9/27/2017 at 7:56:03 PM

9197310 ACF DF100 ACT1-6W T 172510039A 10225 SW-846 8082

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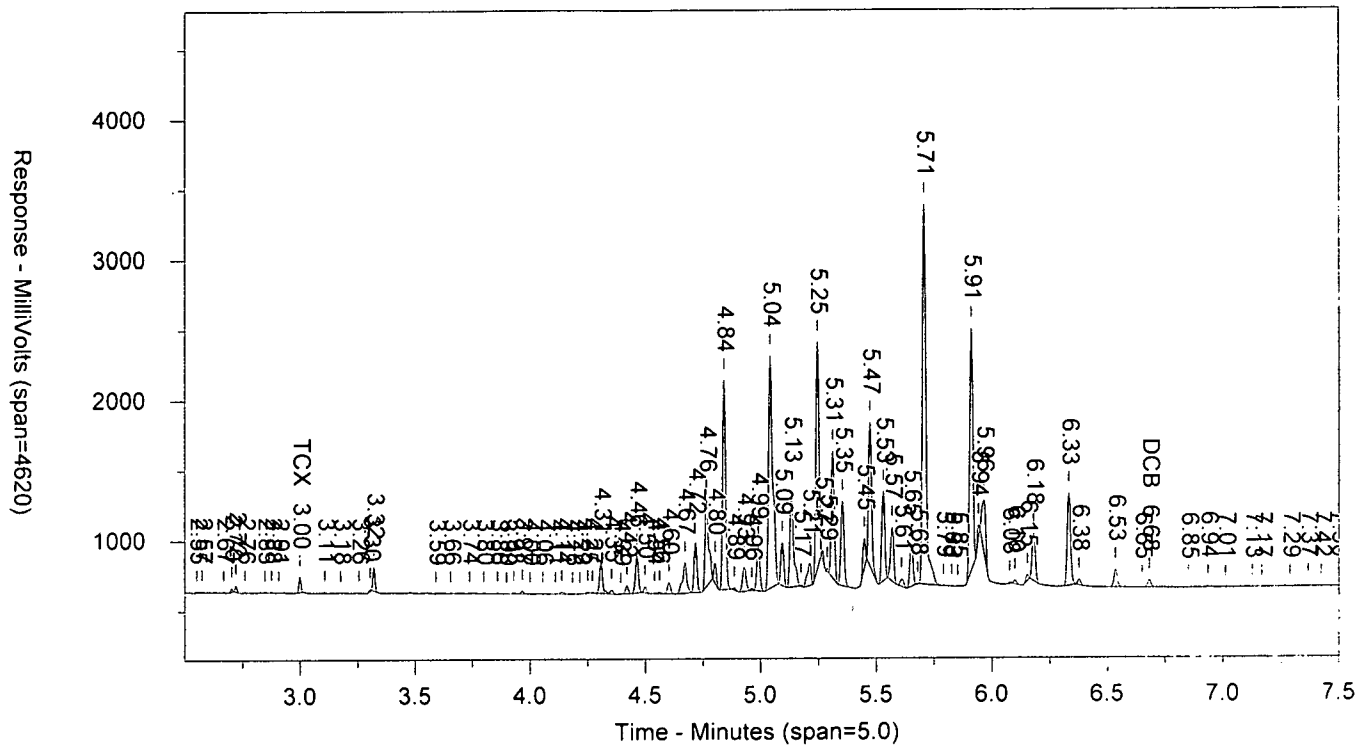

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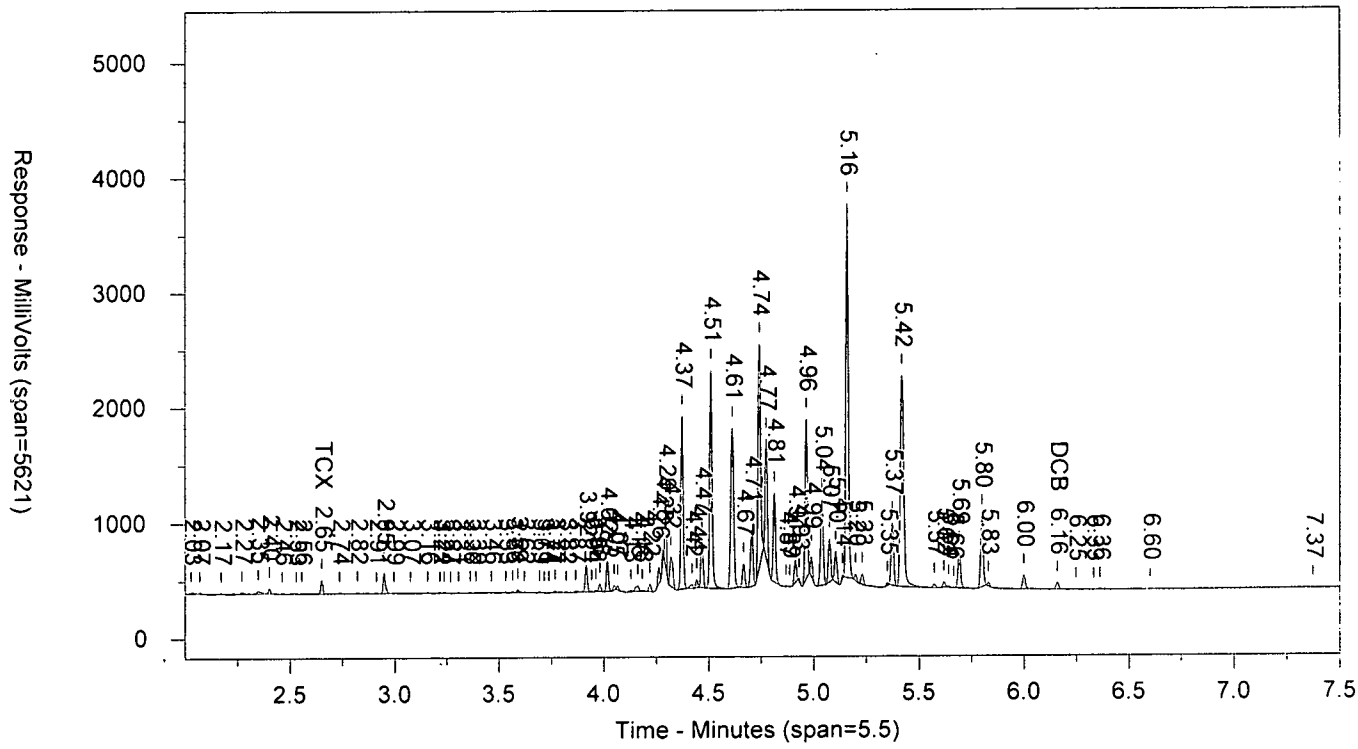

9197310 ACF DF100 ACT1-6W T 172510039A 10225 SW-846 8082

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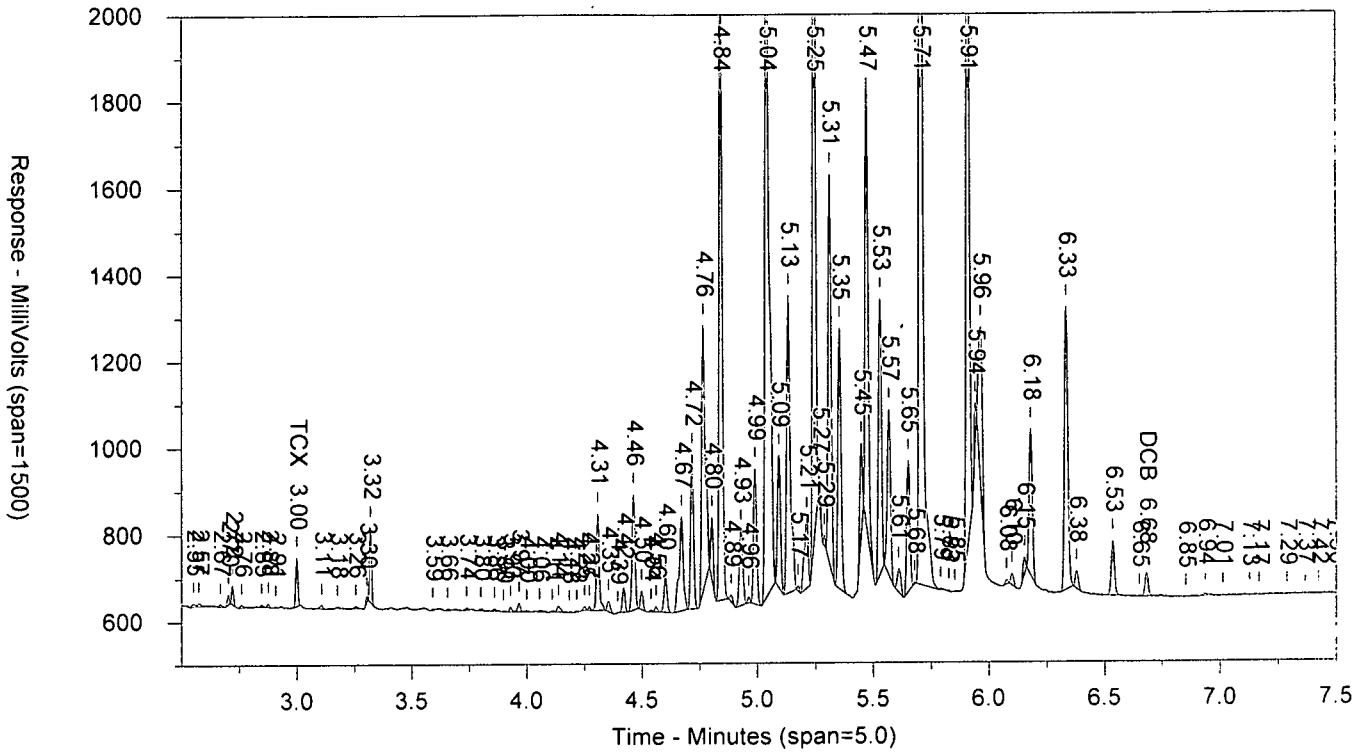

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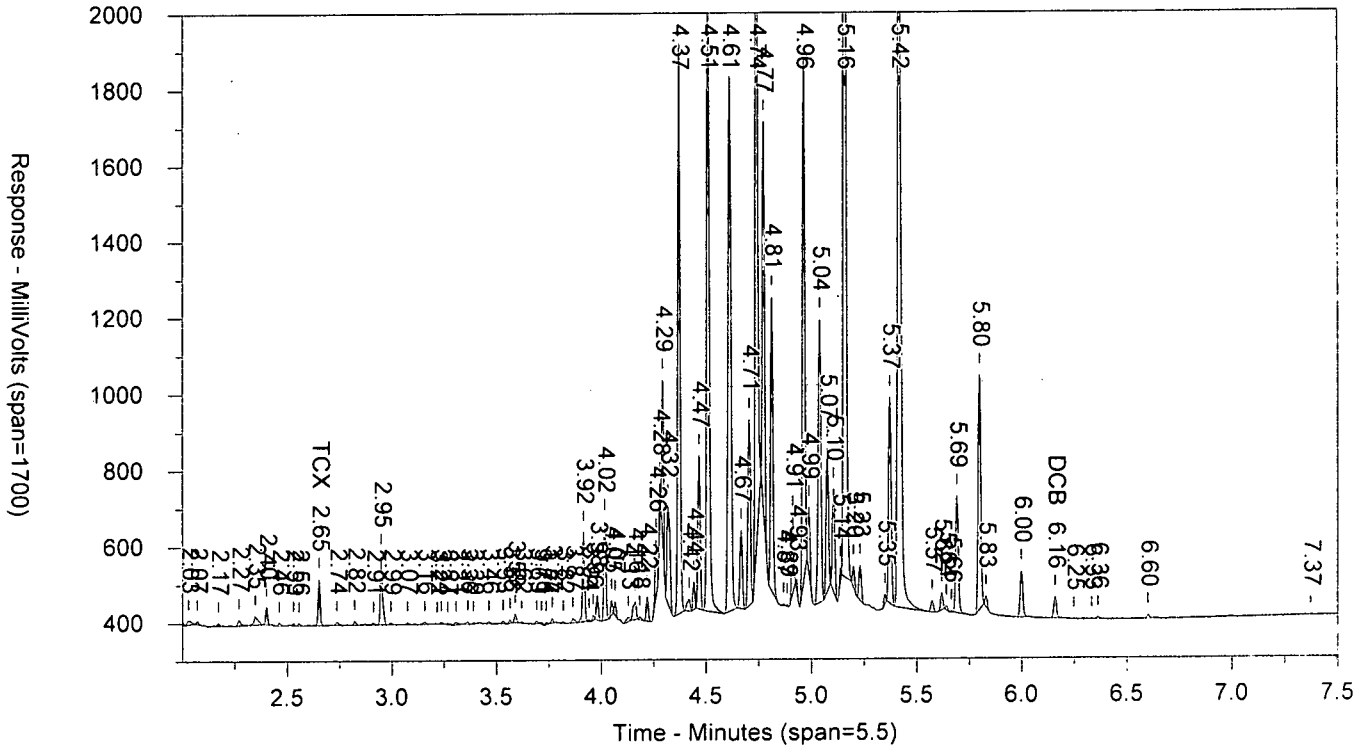

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Data Summary

Sample Name: 9197311 CAF DF10 T1-6E Sample ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.03 g Total Volume: 100 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 20:09:38
Instrument	19843A
Result file	07PCBS17250007.0062.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 99% (61 - 152) Conc: 30.27613
%SSR(DCB) 127% (48 - 164) Conc: 34.40952

Analysis Report (B)

Injected on	Sep 15, 2017 20:09:38
Instrument	19843B
Result file	07PCBS17250007B.0062.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 101% (61 - 152) Conc: 30.88636
%SSR(DCB) 124% (48 - 164) Conc: 33.54733

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	1149398	30.27613	Tetrachloro-m-xylene	2.62	2.65	2.68	1203914	30.88636
Decachlorobiphenyl	6.65	6.68	6.71	465849	34.40952	Decachlorobiphenyl	6.13	6.16	6.19	536026	33.54733

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	30.88636				2.00	
☑	Tetrachloro-m-xylene-D1	A	30.27613					
☑	Tetrachloro-m-xylene-D2	B	30.88636					
☐	Decachlorobiphenyl	A	34.40952				2.54	
☑	Decachlorobiphenyl-D1	A	34.40952					
☑	Decachlorobiphenyl-D2	B	33.54733					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.86**	
4.82	4.84	4.86	2330706	1596.588625			1
5.02	5.04	5.06	2865746	1999.916923			2
5.23	5.25	5.27	3125721	2298.859095			3
5.45	5.47	5.49	1824228	2316.851982			4
5.69	5.71	5.73	5361435	2780.522472			5
5.89	5.91	5.93	3309888	2624.83596			6

Height summation: **18817724**
Concentration CF: **2269.595843** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.87**	
4.35	4.37	4.39	2488252	1664.588353			1
4.49	4.51	4.53	3423798	1996.679752			2
4.60	4.61	4.64	2454926	1770.554533			3
4.72	4.74	4.76	3837880	2293.764807			4
5.14	5.16	5.18	5926419	2743.407678			5
5.40	5.42	5.44	3252683	2542.612817			6

Height summation: **21383958**
Concentration CF: **2168.601323** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<508.4746	<98.7039	D1		4	
☑	PCB-1221			<508.4746	<152.5424	D1		3	
☑	PCB-1232			<508.4746	<122.6321	D1		4	
☑	PCB-1242			<508.4746	<122.6321	D1		4	
☑	PCB-1248			<508.4746	<98.7039	D1		4	
☑	PCB-1254			<508.4746	<131.6052	D1		4	
☑	PCB-1260	A	2269.595843	508.4746	116.65	D1	4.55	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:37

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197311** CAF DF10 T1-6E ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.03 g Total Volume: 100 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:09:38
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0062.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 99% (61-152) Conc.: 30.27613
%SSR(DCB) : 127% (48-164) Conc.: 34.40952

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**76.70**	
3.23	3.25	3.27	6984.169	10.591704			1
3.45	3.48	3.49	7861.095	11.646859			2
3.56	3.59	3.60	3807.146	4.731661			3
3.78	3.80	3.82	22949.21	24.823152			5
3.91	3.93	3.95	22503.62	39.682445			6
Height Summation:			**64105.24**				
Amount Avg CF:			**18.295164**	Linear:			
Aroclor-1221					**3**	**91.72**	
3.13	3.13	3.17	2196.578	7.194736			1
3.18	3.20	3.22	9405.817	33.680727			2
3.23	3.25	3.27	6984.169	8.21095			3
Height Summation:			**18586.564**				
Amount Avg CF:			**16.362138**	Linear:			
Aroclor-1232					**6**	**97.92**	
3.23	3.25	3.27	6984.169	9.028175			1
3.45	3.48	3.49	7861.095	24.335156			2
3.56	3.59	3.60	3807.146	9.835744			3
3.74	3.74	3.78	6967.38	19.188492			4
3.78	3.80	3.82	22949.21	50.6467			5
3.91	3.93	3.95	22503.62	98.65552			6
Height Summation:			**71072.62**				
Amount Avg CF:			**35.281631**	Linear:			
Aroclor-1242					**6**	**82.21**	
3.23	3.25	3.27	6984.169	7.910399			1
3.45	3.48	3.49	7861.095	8.856636			2
3.56	3.59	3.60	3807.146	3.598445			3
3.74	3.74	3.78	6967.38	5.976567			4
3.78	3.80	3.82	22949.21	17.945642			5
3.91	3.93	3.95	22503.62	31.177413			6
Height Summation:			**71072.62**				
Amount Avg CF:			**12.577517**	Linear:			
Aroclor-1248					**6**	**117.32**	
3.78	3.80	3.82	22949.21	50.355423			1
3.84	3.86	3.88	18136.84	37.409757			2
3.91	3.93	3.95	22503.62	27.876614			3
4.03	4.06	4.07	8732.98	9.580503			4
4.12	4.14	4.16	59512.19	75.408617			5
4.30	4.31	4.34	209178.5	248.143367			6
+ 4.30	4.33	4.34	18475.21	21.916692			6
Height Summation:			**341013.34**				
Amount Avg CF:			**74.795714**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:09:38
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0062.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.88636
%SSR(DCB) : 124% (48-164) Conc.: 33.54733

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**167.71**	
2.92	2.95	2.96	328570.6	487.071892			1
3.12	3.16	3.16	8541.31	9.9557			2
3.25	3.27	3.29	9994.849	11.786296			3
3.40	3.42	3.44	3110.99	3.422946			4
3.44	3.46	3.48	19332.51	22.647285			5
3.57	3.59	3.61	104093.3	148.045081			6
Height Summation:			**473643.559**				
Amount Avg CF:			**113.821533**	Linear:			
Aroclor-1221					**3**	**101.66**	
2.80	2.82	2.84	36957.01	100.581675			1
2.86	2.87	2.90	9531.303	41.354777			2
2.92	2.95	2.96	328570.6	362.67426			3
Height Summation:			**375058.913**				
Amount Avg CF:			**168.203571**	Linear:			
Aroclor-1232					**6**	**129.16**	
2.92	2.95	2.96	328570.6	398.120692			1
3.12	3.16	3.16	8541.31	19.718694			2
3.25	3.27	3.29	9994.849	23.856731			3
3.40	3.42	3.44	3110.99	7.438058			4
3.44	3.46	3.48	19332.51	45.38947			5
3.57	3.59	3.61	104093.3	352.122172			6
Height Summation:			**473643.559**				
Amount Avg CF:			**141.107636**	Linear:			
Aroclor-1242					**6**	**162.85**	
2.92	2.95	2.96	328570.6	352.21696			1
3.12	3.16	3.16	8541.31	11.274579			2
3.25	3.27	3.29	9994.849	9.017091			3
3.40	3.42	3.44	3110.99	2.357362			4
3.44	3.46	3.48	19332.51	16.362282			5
3.57	3.59	3.61	104093.3	117.117808			6
Height Summation:			**473643.559**				
Amount Avg CF:			**84.724347**	Linear:			
Aroclor-1248					**6**	**86.66**	
3.44	3.46	3.48	19332.51	49.447669			1
3.51	3.53	3.55	21966.61	40.985246			2
3.55	3.56	3.59	23573.71	25.54218			3
3.67	3.69	3.71	15471.48	13.942389			4
3.76	3.77	3.80	59541.62	77.598145			5
+ 3.90	3.90	3.94	8444.734	5.78566			6
3.90	3.92	3.94	233625.8	160.061819			6
Height Summation:			**373511.73**				
Amount Avg CF:			**61.262908**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197311** CAF DF10 T1-6E ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.03 g Total Volume: 100 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:09:38
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0062.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**126.14**	
4.29	4.31	4.32	209178.5	230.130164			1
+ 4.63	4.65	4.67	55450.79	57.522592			2
4.63	4.67	4.67	226225.8	234.678249			2
4.69	4.72	4.73	648877.4	318.175481			3
4.91	4.93	4.95	324002.7	259.899007			4
5.11	5.13	5.15	1196342	1677.199265			5
5.23	5.25	5.27	3125721	3335.785851			6
Height Summation:			**5730347.4**				
Amount Avg CF:			**1009.311336**	Linear:			
Aroclor-1260					**6**	**18.86**	
4.82	4.84	4.86	2330706	1596.588625			1
5.02	5.04	5.06	2865746	1999.916923			2
5.23	5.25	5.27	3125721	2298.859095			3
5.45	5.47	5.49	1824228	2316.851982			4
5.69	5.71	5.73	5361435	2780.522472			5
5.89	5.91	5.93	3309888	2624.83596			6
Height Summation:			**18817724**				
Amount Avg CF:			**2269.595843**	Linear:			
Aroclor-1262					**6**	**32.97**	
5.29	5.31	5.33	1598735	1368.583904			1
5.45	5.47	5.49	1824228	1756.628333			2
E 5.69	5.71	5.73	5361435	2352.914014			3
E 5.89	5.91	5.93	3309888	2128.209469			4
5.95	5.96	5.99	636881.5	813.865194			5
6.31	6.33	6.35	1116909	1591.744973			6
Height Summation:			**13848076.5**				
Amount Avg CF:			**1668.657648**	Linear:			
Aroclor-1268					**6**	**96.87**	
5.89	5.91	5.93	3309888	1186.365379			1
5.95	5.96	5.99	636881.5	263.989554			2
6.08	6.10	6.12	64293.62	27.769834			3
+ 6.14	6.15	6.18	74244.63	122.139716			4
6.14	6.18	6.18	556690	915.809785			4
6.31	6.33	6.35	1116909	1565.476061			5
6.51	6.53	6.55	225395.5	47.998153			6
Height Summation:			**5910057.62**				
Amount Avg CF:			**667.901461**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:09:38
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0062.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**118.60**	
4.20	4.22	4.24	136733.2	118.12553			1
+ 4.26	4.26	4.30	220647.7	107.807675			2
+ 4.26	4.28	4.30	246313.3	120.347795			2
4.26	4.29	4.30	631025.2	308.316649			2
4.35	4.37	4.39	2488252	2588.253434			3
4.42	4.44	4.46	179325.3	141.852681			4
4.64	4.67	4.68	386187.4	433.913573			5
4.72	4.74	4.76	3837880	2721.616878			6
Height Summation:			**7659403.1**				
Amount Avg CF:			**1052.013124**	Linear:			
Aroclor-1260					**6**	**19.87**	
4.35	4.37	4.39	2488252	1664.588353			1
4.49	4.51	4.53	3423798	1996.679752			2
4.60	4.61	4.64	2454926	1770.554533			3
4.72	4.74	4.76	3837880	2293.764807			4
5.14	5.16	5.18	5926419	2743.407678			5
5.40	5.42	5.44	3252683	2542.612817			6
Height Summation:			**21383958**				
Amount Avg CF:			**2168.601323**	Linear:			
Aroclor-1262					**6**	**28.94**	
4.76	4.77	4.80	1807464	1104.799497			1
4.95	4.96	4.99	2366049	1554.1265			2
E 5.14	5.16	5.18	5926419	2109.734147			3
5.36	5.37	5.40	987922.7	972.379167			4
5.40	5.42	5.44	3252683	1897.952953			5
5.78	5.80	5.82	1081268	1474.172145			6
Height Summation:			**15421805.7**				
Amount Avg CF:			**1518.860735**	Linear:			
Aroclor-1268					**6**	**121.12**	
5.36	5.37	5.40	987922.7	339.389162			1
5.40	5.42	5.44	3252683	1165.436534			2
5.56	5.57	5.60	69108.04	29.617282			3
5.62	5.64	5.66	34282.9	60.355585			4
5.78	5.80	5.82	1081268	1351.721951			5
5.98	6.00	6.02	227401.6	41.308096			6
Height Summation:			**5652666.24**				
Amount Avg CF:			**497.971435**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			508.4746	98.7039		** 144.61	4	40	
Aroclor-1221			508.4746	152.5424		** 164.54	3	40	
Aroclor-1232			508.4746	122.6321		** 119.99	4	40	
Aroclor-1242			508.4746	122.6321		** 148.29	4	40	
Aroclor-1248			508.4746	98.7039		19.89	4	40	
Aroclor-1254			508.4746	131.6052		4.14	4	40	
Aroclor-1260			508.4746	116.6501		4.55	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197311** CAF DF10 T1-6E ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.03 g Total Volume: 100 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:09:38
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0062.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2017 20:09:38
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0062.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			508.4746	98.7039	E	9.40	4	40	
Aroclor-1268			508.4746	98.7039		29.15	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197311 CAF DF10 AET1-6E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:09:38 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0062.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.639		13190	14983
1.746		10148	8895
1.796		2664	2933
1.971		2381	1991
2.11		10315	13057
2.148		9092	11353
2.269		67830	45415
2.39		10262	11488
2.434		5604	3712
2.553		9199	10150
2.573		8846	7743
2.702		60737	36041
2.72		50170	27408
2.758		6831	4946
2.805		2471	1847
2.845		5230	3987
2.874		18909	11751
2.907		2939	2410
2.999	TCX	1149398	754053
3.106		33172	21725
3.132		2197	1179
3.18		2419	1403
3.196		9406	5572
3.252		6984	7217
3.302		73258	40069
3.319		278008	161560
3.422		2609	1687
3.475		7861	12367
3.535		3936	2015
3.586		3807	2152
3.657		21736	17949
3.741		6967	5071
3.803		22949	18420
3.859		18137	13145
3.879		1787	892
3.899		1116	504
3.929		22504	16927
3.966		88530	68771
3.997		13351	15537
4.056		8733	5638
4.111		11910	7422
4.136		59512	50670
4.167		3544	1956
4.185		3353	2193
4.215		3027	2115
4.233		3012	1724
4.249		5269	2837
4.271		26146	16410
4.307		209179	174480
4.327		18475	10025
4.353		33224	30048
4.391		2879	1700
4.42		98905	83423

RT A	Compound A	Height A	Area A
4.463		463631	436077
4.497		93182	71856
4.539		6392	4215
4.56		27799	20039
4.601		272837	267943
4.654		55451	32952
4.671		226226	184884
4.716		648877	572170
4.765		949476	1061150
4.802		221795	150969
4.841		2330706	2156168
4.885		79494	70725
4.928		324003	360378
4.964		31556	20454
4.989		527944	480642
5.041		2865746	3478245
5.093		503446	457965
5.132		1196342	1267971
5.174		36195	20887
5.211		279353	323753
5.245		3125721	2780749
5.268		112329	51728
5.287		68271	31036
5.311		1598735	1384562
5.353		1032081	996424
5.448		389997	309635
5.472		1824228	1611509
5.528		1125218	991991
5.566		645101	609631
5.609		82042	87072
5.651		590071	571584
5.682		3999	2259
5.706		5361435	5214024
5.791		14126	12861
5.825		17482	11922
5.85		10596	8327
5.91		3309888	2964019
5.941		152812	114483
5.964		636882	717085
6.075		17200	11718
6.099		64294	56526
6.152		74245	60105
6.18		556690	526100
6.213		8746	5605
6.268		1562	666
6.278		2082	1005
6.304		2057	926
6.333		1116909	1136614
6.378		74592	71609
6.534		225396	228268
6.682	DCB	465849	478158
6.745		2280	1137
6.81		1526	571
6.832		1702	617
6.853		1911	695
6.881		979	366
6.936		3473	3765
6.955		1603	940
7.095		1389	337
7.131		1452	728
7.185		1402	724
7.26		1788	427
7.322		1594	428
7.352		1384	819
7.409		1591	584
7.525		1507	535

RT A	Compound A	Height A	Area A
7.618		2082	712
7.686		1321	1285
7.747		1321	503
7.918		1020	632
7.963		1150	738
8.201		1499	479
8.277		1555	797
8.354		1588	484
8.491		1242	355

LANCASTER LABORATORIES

Sample Number: 9197311 CAF DF10 AET1-6E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:09:38 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0062.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.527		10296	10518
1.591		1791	1567
1.656		4220	3739
1.761		3598	2394
1.833		5864	4551
1.865		5925	3380
1.966		11074	11857
1.993		63864	43723
2.028		9679	13950
2.071		8717	10274
2.147		4209	3126
2.17		7809	4572
2.192		2937	1706
2.269		13938	12042
2.347		45714	48985
2.401		61682	46571
2.462		8032	5981
2.529		15638	8916
2.555		7389	5543
2.652	TCX	1203915	735570
2.736		9703	11269
2.822		36957	23135
2.849		2177	1193
2.87		9531	5161
2.909		6393	5196
2.948		328571	282367
2.993		6167	6242
3.073		8180	6332
3.156		8541	11676
3.217		5251	3669
3.238		6229	4742
3.268		9995	11296
3.303		24415	21177
3.362		9702	9501
3.39		5154	3468
3.422		3111	1361
3.464		19333	18666
3.532		21967	15094
3.564		23574	13496
3.59		104093	66607
3.622		18544	13482
3.693		15471	11956
3.714		13754	8204
3.736		16167	10696
3.766		59542	36993
3.821		14588	12112
3.867		41842	44121
3.902		8445	4130
3.916		233626	147844
3.941		13231	6963
3.961		15248	8223
3.981		108323	68601
4.016		467287	331682
4.049		83128	53053

4.066		41626	20919
4.13		15584	14372
4.152		172598	186909
4.192		11925	11047
4.219		136733	94803
4.262		220648	143880
4.281		246313	126957
4.294		631025	359333
4.319		404129	397933
4.373		2488252	1868758
4.413		80985	83549
4.442		179325	118330
4.467		681182	502706
4.51		3423798	2685450
4.614		2454926	2311465
4.666		386187	321462
4.705		824135	713806
4.742		3837881	3149790
4.774		1807464	1292106
4.813		1292499	1030377
4.87		21545	22805
4.912		329524	238645
4.93		56799	28842
4.964		2366049	1814702
4.988		328116	213883
5.039		1347110	1165465
5.074		659366	524315
5.104		490022	384431
5.137		116577	63533
5.159		5926419	4821017
5.2		104171	70756
5.231		168188	135543
5.275		11066	8037
5.296		15232	10214
5.331		11586	9048
5.35		50168	28403
5.373		987923	793876
5.417		3252683	3762540
5.573		69108	57930
5.619		91904	70527
5.642		34283	22358
5.665		7484	3701
5.691		552030	471364
5.734		7251	5519
5.772		1846	919
5.798		1081268	972158
5.83		60704	41716
5.999		227402	204250
6.159	DCB	536026	505530
6.331		2922	2009
6.361		10026	10647
6.599		4708	3518
7.071		4263	4613
7.626		8303	11687
8.143		1745	2534
8.296		9108	18532
8.518		2918	4691

9197311 CAF DF10 AET1-6E T 172510040A 10225 SW-846 8082

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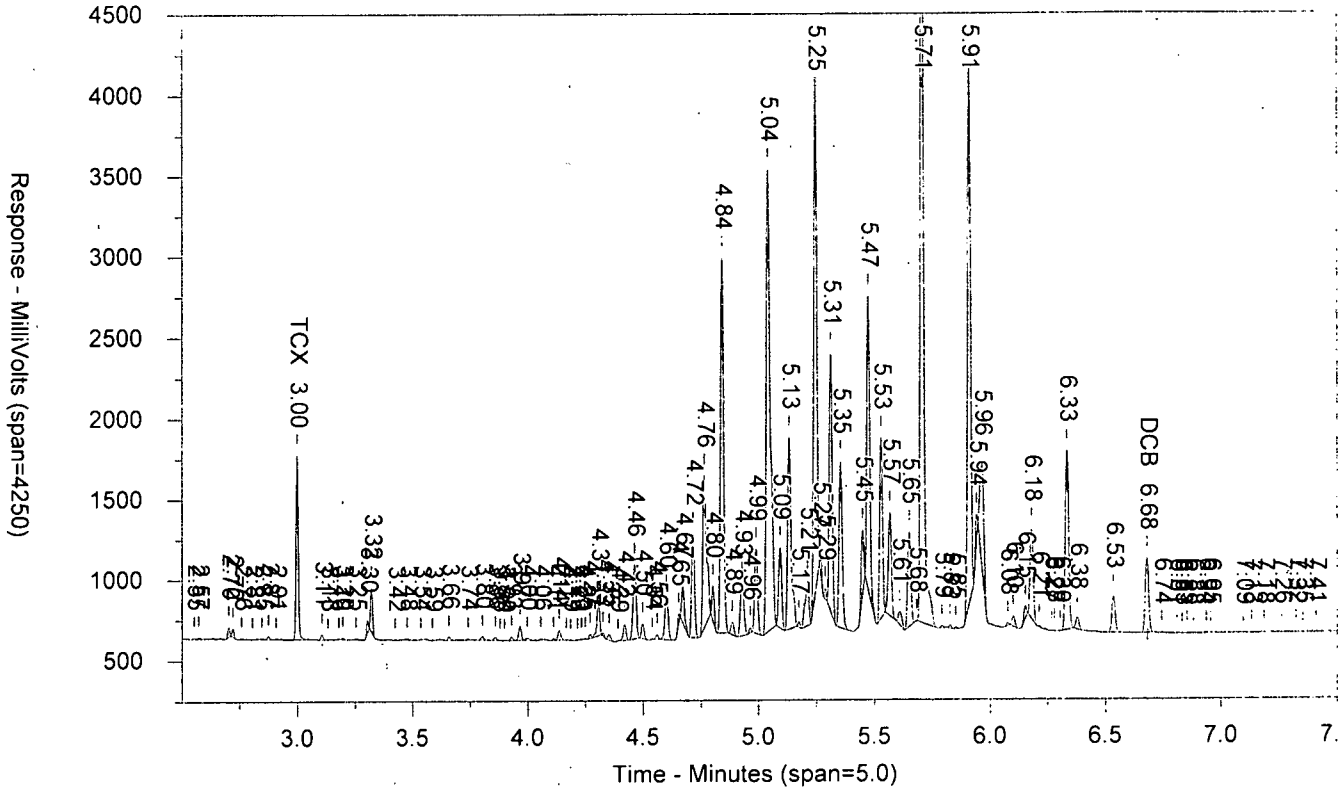

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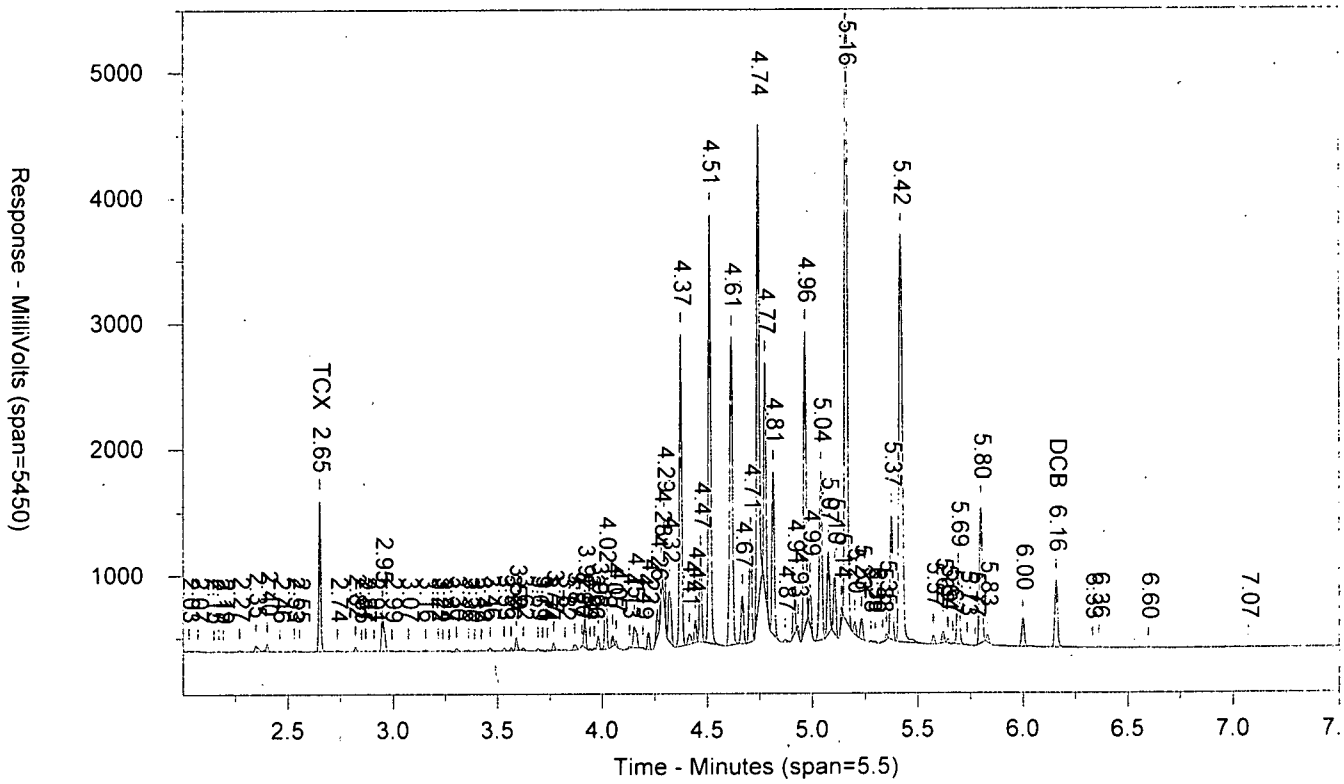

LANCASTER LABORATORIES

Sample Number: 9197311 CAF DF10 AET1-6E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:09:38 PM
Sample Weight: 10.03
Instrument ID: CP7-19843A
Dilution Factor: 100
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	1149398	30.276	TCX	2.652	1203915	30.886	TCX
6.682	465849	34.41	DCB	6.159	536026	33.547	DCB

Files:
Area File: 07pcbs17250007.0062.RAW
Area File: 07pcbs17250007B.0062.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 8:18:20 PM
File Reported On: 9/15/2017 at 8:18:31 PM

9197311 CAF DF10 AET1-6E T 172510040A 10225 SW-846 8082

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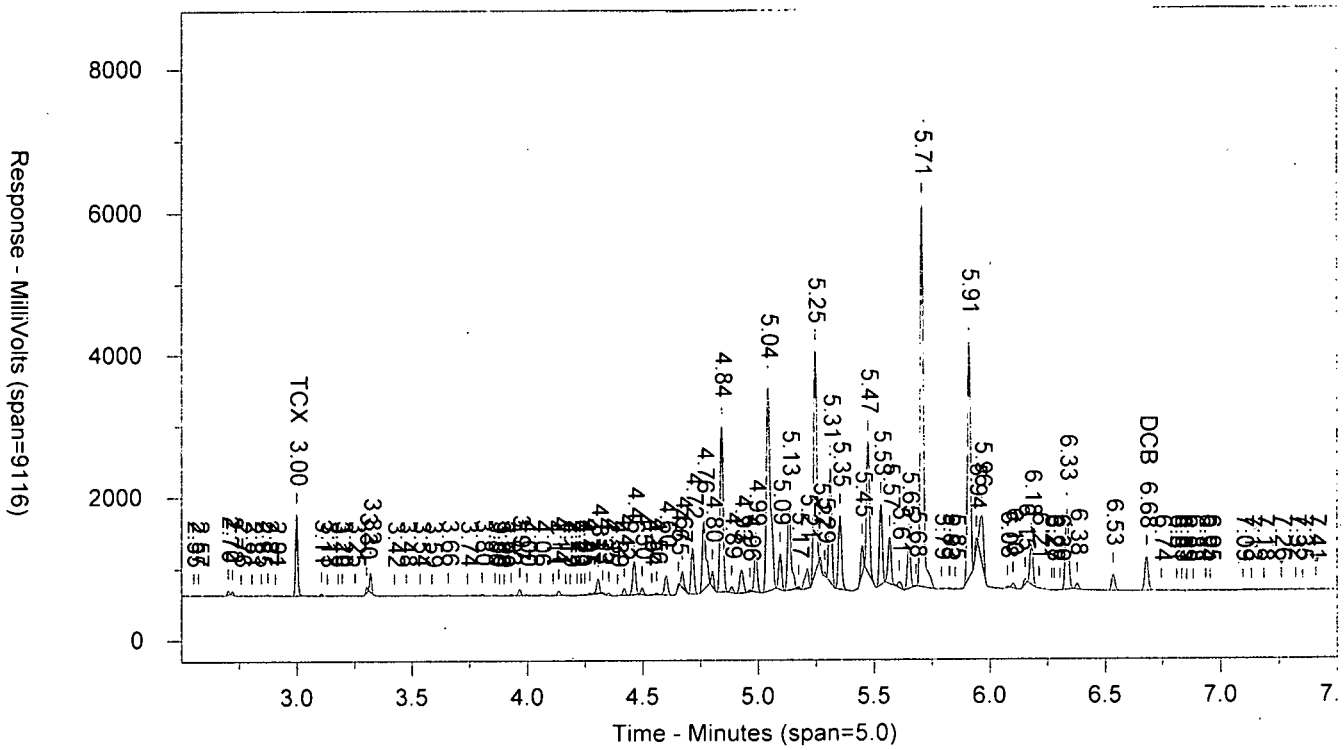

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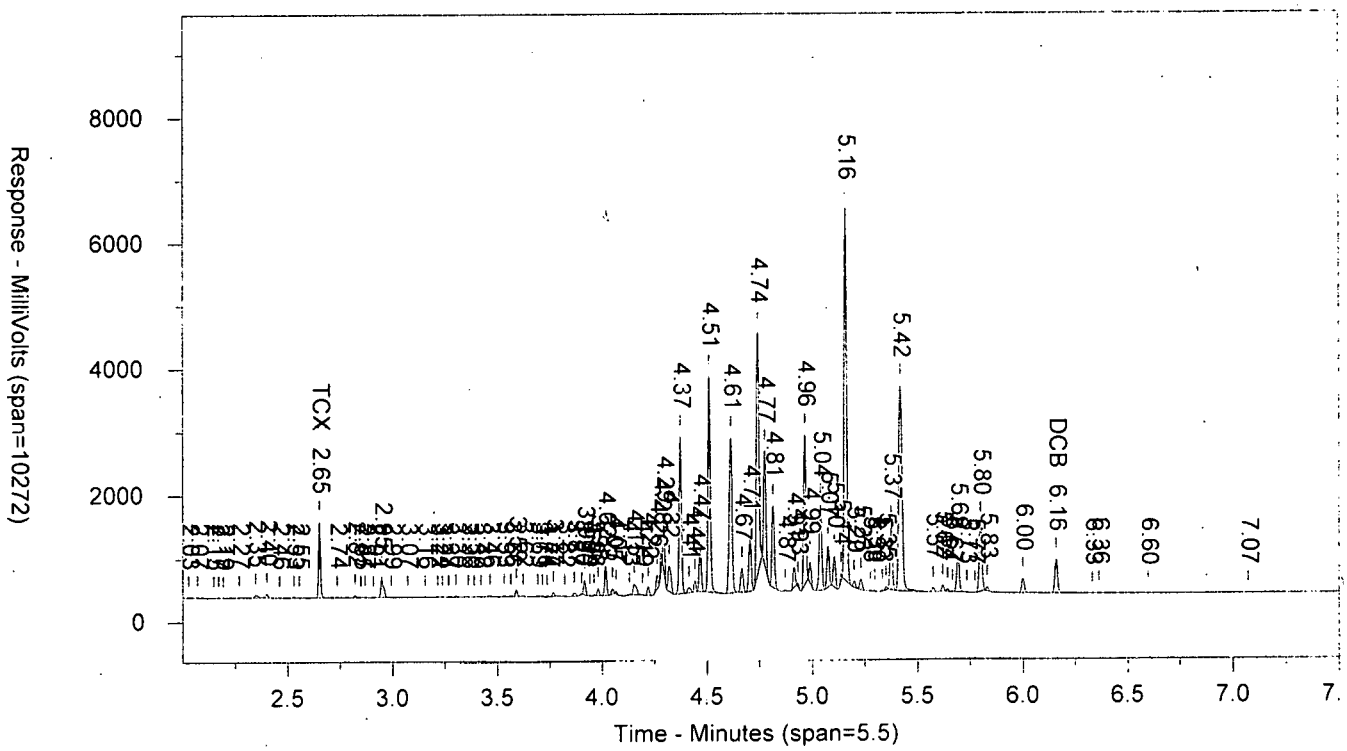

9197311 CAF DF10 AET1-6E T 172510040A 10225 SW-846 8082

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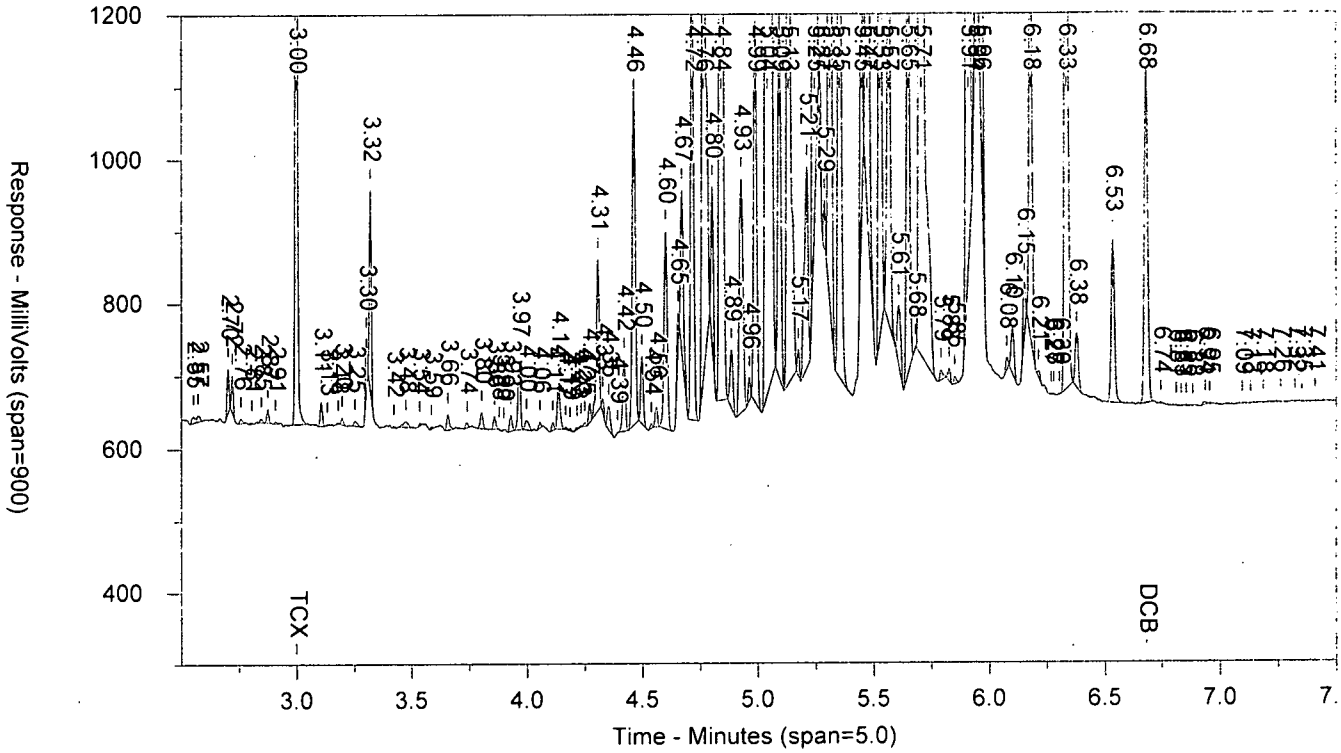

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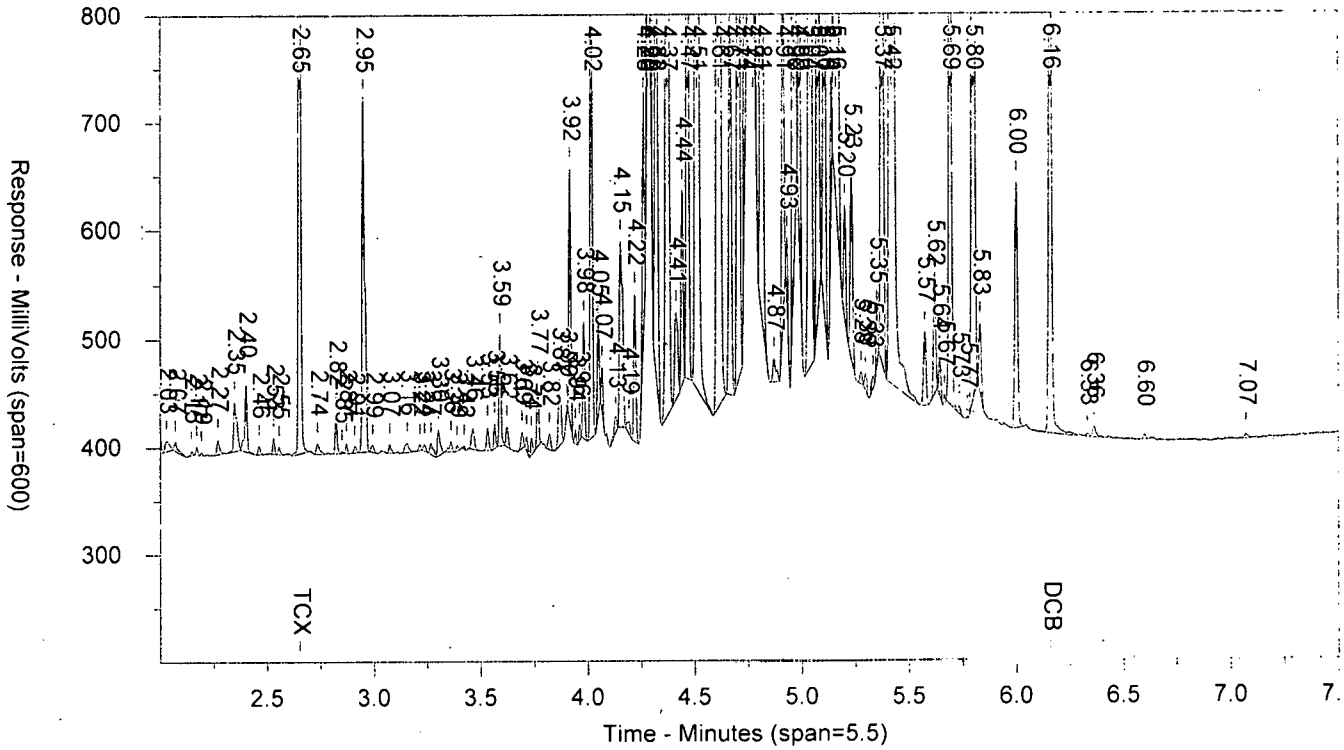

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9197312 CAF DF100 T1-7W Sample ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.08 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 20:21:07
Instrument	19843A
Result file	07PCBS17250007.0063.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 117% (61 - 152) Conc: 35.58241
%SSR(DCB) 158% (48 - 164) Conc: 42.45334

Analysis Report (B)

Injected on	Sep 15, 2017 20:21:07
Instrument	19843B
Result file	07PCBS17250007B.0063.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 116% (61 - 152) Conc: 35.0867
%SSR(DCB) 149% (48 - 164) Conc: 40.24216

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	135758	35.58241
Decachlorobiphenyl	6.65	6.68	6.71	57761	42.45334

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	137446	35.0867
Decachlorobiphenyl	6.13	6.16	6.19	64620	40.24216

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	35.58241				1.40	
☑	Tetrachloro-m-xylene-D1	A	35.58241					
☑	Tetrachloro-m-xylene-D2	B	35.0867					
☐	Decachlorobiphenyl	A	42.45334				5.35	
☑	Decachlorobiphenyl-D1	A	42.45334					
☑	Decachlorobiphenyl-D2	B	40.24216					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.48**	
4.82	4.84	4.86	2894265	19728.053194			1
5.02	5.04	5.06	3441118	23895.395701			2
5.23	5.25	5.27	3335077	24406.663215			3
5.45	5.47	5.49	1985162	25087.392556			4
5.69	5.71	5.73	5530867	28541.643705			5
5.89	5.91	5.93	3486588	27512.490203			6

Height summation: **20673077**
Concentration CF: **24861.939762** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.79**	
4.35	4.37	4.39	2960912	19709.626329			1
4.49	4.51	4.53	4028614	23377.407028			2
4.60	4.61	4.64	2945113	21135.535979			3
4.72	4.74	4.76	3961912	23561.488283			4
5.14	5.16	5.18	6453358	29725.156915			5
5.40	5.42	5.44	3552417	27631.396363			6

Height summation: **23902326**
Concentration CF: **24190.101816** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<5059.5238	<982.1429	D1		4	
☑	PCB-1221			<5059.5238	<1517.8572	D1		3	
☑	PCB-1232			<5059.5238	<1220.2381	D1		4	
☑	PCB-1242			<5059.5238	<1220.2381	D1		4	
☑	PCB-1248			<5059.5238	<982.1429	D1		4	
☑	PCB-1254			<5059.5238	<1309.5238	D1		4	
☑	PCB-1260	A	24861.939762	5059.5238	1160.7143	D1	2.74	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:39

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197312** CAF DF100 T1-7W ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.08 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:21:07
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0063.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 117% (61-152) Conc.: 35.58241
%SSR(DCB) : 158% (48-164) Conc.: 42.45334

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**94.99**	
3.23	3.25	3.27	5402.682	81.526895			1
3.45	3.47	3.49	4842.862	71.395078			2
3.74	3.76	3.78	2712.304	34.260163			4
3.78	3.80	3.82	22454.38	241.674408			5
3.91	3.93	3.95	24028.83	421.617923			6
Height Summation:			**59441.058**				
Amount Avg CF:			**170.094893**	Linear:			
Aroclor-1221					**1**		
3.23	3.25	3.27	5402.682	63.201655			3
Height Summation:			**5402.682**				
Amount Avg CF:			**63.201655**	Linear:			
Aroclor-1232					**5**	**114.16**	
3.23	3.25	3.27	5402.682	69.492035			1
3.45	3.47	3.49	4842.862	149.174155			2
3.74	3.76	3.78	2712.304	74.327602			4
3.78	3.80	3.82	22454.38	493.08851			5
3.91	3.93	3.95	24028.83	1048.194867			6
Height Summation:			**59441.058**				
Amount Avg CF:			**366.855434**	Linear:			
Aroclor-1242					**6**	**102.69**	
3.23	3.25	3.27	5402.682	60.888246			1
3.45	3.47	3.49	4842.862	54.291048			2
3.56	3.56	3.60	5002.519	47.048362			3
3.74	3.76	3.78	2712.304	23.150538			4
3.78	3.80	3.82	22454.38	174.716023			5
3.91	3.93	3.95	24028.83	331.253687			6
Height Summation:			**64443.577**				
Amount Avg CF:			**115.224651**	Linear:			
Aroclor-1248					**6**	**153.41**	
3.78	3.80	3.82	22454.38	490.252682			1
3.84	3.86	3.88	24991.52	512.927924			2
3.91	3.93	3.95	24028.83	296.183363			3
+ 4.03	4.03	4.07	2266.101	24.736914			4
4.03	4.06	4.07	8406.88	91.770079			4
4.12	4.14	4.16	65765.84	829.193358			5
4.30	4.31	4.34	406525.2	4798.588396			6
+ 4.30	4.33	4.34	9852.359	116.296396			6
Height Summation:			**552172.65**				
Amount Avg CF:			**1169.8193**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:21:07
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0063.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 116% (61-152) Conc.: 35.0867
%SSR(DCB) : 149% (48-164) Conc.: 40.24216

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**165.39**	
2.92	2.95	2.96	334818.7	4938.720787			1
3.12	3.15	3.16	7717.802	89.512015			2
3.25	3.27	3.29	8223.279	96.490942			3
3.40	3.42	3.44	4863.445	53.245865			4
+ 3.44	3.44	3.48	2156.25	25.134336			5
3.44	3.46	3.48	17308.33	201.754614			5
3.57	3.59	3.61	119239.3	1687.450425			6
Height Summation:			**492170.856**				
Amount Avg CF:			**1177.862441**	Linear:			
Aroclor-1221					**2**	**115.30**	
2.80	2.82	2.84	13816.43	374.160794			1
2.92	2.95	2.96	334818.7	3677.376868			3
Height Summation:			**348635.13**				
Amount Avg CF:			**2025.768831**	Linear:			
Aroclor-1232					**6**	**131.89**	
2.92	2.95	2.96	334818.7	4036.789994			1
3.12	3.15	3.16	7717.802	177.29141			2
3.25	3.27	3.29	8223.279	195.30804			3
3.40	3.42	3.44	4863.445	115.703193			4
+ 3.44	3.44	3.48	2156.25	50.373993			5
3.44	3.46	3.48	17308.33	404.354644			5
3.57	3.59	3.61	119239.3	4013.56604			6
Height Summation:			**492170.856**				
Amount Avg CF:			**1490.50222**	Linear:			
Aroclor-1242					**6**	**160.85**	
2.92	2.95	2.96	334818.7	3571.343879			1
3.12	3.15	3.16	7717.802	101.370101			2
3.25	3.27	3.29	8223.279	73.820272			3
3.40	3.42	3.44	4863.445	36.670099			4
+ 3.44	3.44	3.48	2156.25	18.159134			5
3.44	3.46	3.48	17308.33	145.764305			5
3.57	3.59	3.61	119239.3	1334.934557			6
Height Summation:			**492170.856**				
Amount Avg CF:			**877.317202**	Linear:			
Aroclor-1248					**6**	**126.61**	
+ 3.44	3.44	3.48	2156.25	54.87785			1
3.44	3.46	3.48	17308.33	440.507335			1
3.51	3.53	3.55	26668.38	495.109822			2
3.55	3.57	3.59	24896.49	268.416095			3
3.67	3.69	3.71	18599.31	166.779465			4
3.76	3.77	3.80	67293.16	872.65386			5
3.90	3.92	3.94	469033.8	3197.50689			6
Height Summation:			**623799.47**				
Amount Avg CF:			**906.828911**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197312** CAF DF100 T1-7W ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.08 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:21:07
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0063.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**117.95**	
4.29	4.31	4.32	406525.2	4450.249652			1
+ 4.63	4.66	4.67	56826.82	586.576232			2
4.63	4.67	4.67	292990.9	3024.302577			2
4.69	4.72	4.73	673061.8	3283.971688			3
4.91	4.93	4.95	334508.5	2669.952585			4
5.11	5.13	5.15	1399873	19528.026313			5
5.23	5.25	5.27	3335077	35415.568533			6
Height Summation:			**6442036.4**				
Amount Avg CF:			**11395.345225**	Linear:			
Aroclor-1260					**6**	**12.48**	
4.82	4.84	4.86	2894265	19728.053194			1
5.02	5.04	5.06	3441118	23895.395701			2
5.23	5.25	5.27	3335077	24406.663215			3
5.45	5.47	5.49	1985162	25087.392556			4
5.69	5.71	5.73	5530867	28541.643705			5
5.89	5.91	5.93	3486588	27512.490203			6
Height Summation:			**20673077**				
Amount Avg CF:			**24861.939762**	Linear:			
Aroclor-1262					**6**	**32.38**	
5.29	5.31	5.33	1686120	14362.294435			1
5.45	5.47	5.49	1985162	19021.165319			2
E 5.69	5.71	5.73	5530867	24152.307393			3
E 5.89	5.91	5.93	3486588	22307.048151			4
5.95	5.97	5.99	679119.5	8635.359918			5
6.31	6.33	6.35	1144637	16231.695155			6
Height Summation:			**14512493.5**				
Amount Avg CF:			**17451.645062**	Linear:			
Aroclor-1268					**6**	**96.38**	
5.89	5.91	5.93	3486588	12435.011696			1
5.95	5.97	5.99	679119.5	2801.010331			2
6.08	6.10	6.12	51187.21	219.992194			3
+ 6.14	6.15	6.18	74459.89	1218.862317			4
6.14	6.18	6.18	595578.9	9749.257998			4
6.31	6.33	6.35	1144637	15963.819972			5
6.51	6.53	6.55	220950.3	468.181538			6
Height Summation:			**6178060.91**				
Amount Avg CF:			**6939.545621**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:21:07
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0063.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**117.63**	
4.20	4.22	4.24	184069	1582.307346			1
+ 4.26	4.26	4.30	308623.3	1500.442601			2
+ 4.26	4.28	4.30	216184.1	1051.028336			2
4.26	4.29	4.30	889705.7	4325.507292			2
4.35	4.37	4.39	2960912	30646.320429			3
4.42	4.44	4.46	138269.9	1088.338597			4
4.64	4.67	4.68	402563	4500.693019			5
4.72	4.74	4.76	3961912	27956.372856			6
Height Summation:			**8537431.6**				
Amount Avg CF:			**11683.25659**	Linear:			
Aroclor-1260					**6**	**15.79**	
4.35	4.37	4.39	2960912	19709.626329			1
4.49	4.51	4.53	4028614	23377.407028			2
4.60	4.61	4.64	2945113	21135.535979			3
4.72	4.74	4.76	3961912	23561.488283			4
5.14	5.16	5.18	6453358	29725.156915			5
5.40	5.42	5.44	3552417	27631.396363			6
Height Summation:			**23902326**				
Amount Avg CF:			**24190.101816**	Linear:			
Aroclor-1262					**6**	**29.46**	
4.76	4.78	4.80	2028645	12338.4404			1
4.95	4.97	4.99	2705017	17679.624276			2
E 5.14	5.16	5.18	6453358	22859.226897			3
5.36	5.37	5.40	1022604	10015.221737			4
E 5.40	5.42	5.44	3552417	20625.668982			5
5.78	5.80	5.82	1160576	15744.498679			6
Height Summation:			**16922617**				
Amount Avg CF:			**16543.780162**	Linear:			
Aroclor-1268					**6**	**123.80**	
5.36	5.37	5.40	1022604	3495.609356			1
5.40	5.42	5.44	3552417	12665.175995			2
5.56	5.57	5.60	60699.22	258.845214			3
5.62	5.64	5.66	25021.58	438.323793			4
5.78	5.80	5.82	1160576	14436.70235			5
5.98	6.00	6.02	226061	408.608789			6
Height Summation:			**6047378.8**				
Amount Avg CF:			**5283.877583**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5059.5238	982.1429		** 149.53	4	40	
Aroclor-1221			5059.5238	1517.8572		** 187.90	3	40	
Aroclor-1232			5059.5238	1220.2381		** 120.99	4	40	
Aroclor-1242			5059.5238	1220.2381		** 153.56	4	40	
Aroclor-1248			5059.5238	982.1429		25.33	4	40	
Aroclor-1254			5059.5238	1309.5238		2.50	4	40	
Aroclor-1260			5059.5238	1160.7143		2.74	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197312** CAF DF100 T1-7W ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.08 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 15, 2017 20:21:07
Instrument	: CP 7--19843A
Result file	: 07PCBS17250007.0063.RAW
Calibration file	: 07PCBS1725001.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Sep 15, 2017 20:21:07
Instrument	: CP 7--19843B
Result file	: 07PCBS17250007B.0063.RAW
Calibration file	: 07PCBS1725001B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			5059.5238	982.1429	E	5.34	4	40	
Aroclor-1268			5059.5238	982.1429		27.09	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197312 CAF DF100 AET1-7W T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:21:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0063.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.642		15186	16226
1.747		12688	10411
2.044		2336	1917
2.113		10629	13983
2.149		12445	23673
2.27		76942	55086
2.39		5931	5191
2.437		5129	3808
2.553		5074	5416
2.703		44240	25170
2.721		66752	37945
2.759		3464	2451
2.803		2527	1793
2.846		2831	1281
2.875		14308	9080
3	TCX	135758	92566
3.107		9942	7134
3.255		5403	4601
3.304		14031	7061
3.32		311330	192272
3.47		4843	4444
3.538		5340	3065
3.56		5003	3361
3.658		22275	16750
3.74		10780	7721
3.761		2712	2978
3.804		22454	19351
3.836		1253	420
3.86		24992	21540
3.902		3969	2422
3.93		24029	18358
3.967		106126	80956
3.999		14451	15006
4.033		2266	941
4.056		8407	5593
4.113		11712	7621
4.138		65766	57531
4.187		4669	2826
4.218		3369	2736
4.234		1838	897
4.249		5659	3111
4.272		32039	20758
4.308		406525	344687
4.328		9852	5821
4.354		33972	27864
4.421		123402	104530
4.464		688447	629910
4.499		87992	69371
4.541		3598	2410
4.561		29481	23742
4.602		308414	297333
4.656		56827	40861
4.672		292991	221297

RT A	Compound A	Height A	Area A
4.717		673062	595355
4.766		1162688	1288085
4.804		290764	211057
4.843		2894265	2682053
4.886		74238	63061
4.93		334509	363003
4.964		38385	25598
4.99		558155	534010
5.042		3441119	4129733
5.094		596746	528929
5.133		1399873	1487536
5.175		27047	15542
5.213		296639	342282
5.247		3335077	3028852
5.268		106100	46982
5.288		73821	33815
5.313		1686120	1538197
5.354		1165412	1096720
5.448		426104	341995
5.474		1985162	1808710
5.529		1199712	1076734
5.568		722720	679625
5.611		108122	107567
5.652		607666	575983
5.681		7474	3173
5.707		5530867	5715666
5.794		6200	3968
5.827		8978	5330
5.852		6362	6087
5.911		3486588	3161453
5.943		161411	109368
5.966		679120	741204
6.077		20310	15172
6.1		51187	42230
6.153		74460	59705
6.181		595579	568323
6.304		2205	894
6.334		1144637	1191234
6.378		76487	71041
6.534		220950	221556
6.681	DCB	57761	56694
6.747		2237	1420
6.801		1376	460
6.938		3065	3689
6.991		1236	485
7.013		1753	871
7.064		1490	582
7.086		1666	429
7.135		1493	412
7.194		1220	440
7.277		1449	426
7.528		1310	1091
7.556		1721	498
7.662		2248	996
7.697		1459	398
7.951		1567	446
8.093		1414	965
8.123		1175	324
8.175		1400	849
8.359		1536	1378
8.529		1704	968

LANCASTER LABORATORIES

Sample Number: 9197312 CAF DF100 AET1-7W T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:21:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0063.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.526		12234	14581
1.614		2398	1624
1.833		7449	6203
1.866		2358	1403
1.899		1937	2146
1.958		7206	6712
1.994		75434	51098
2.03		9157	13451
2.07		5497	7819
2.15		1910	1325
2.17		3599	2013
2.193		2321	1134
2.269		8647	9213
2.347		19801	9359
2.401		74825	50957
2.461		3867	3104
2.529		12195	7219
2.557		3458	2371
2.652	TCX	137446	83722
2.737		6195	7467
2.822		13816	9551
2.909		3700	3171
2.948		334819	236747
2.992		3561	3545
3.049		1915	1051
3.073		5337	4475
3.147		7718	12822
3.218		5914	4520
3.24		7907	4920
3.267		8223	8552
3.304		24794	19402
3.362		12880	11310
3.392		3299	2096
3.421		4863	4052
3.444		2156	942
3.464		17308	17249
3.532		26668	17982
3.565		24896	14957
3.59		119239	77866
3.623		20200	13337
3.694		18599	14310
3.716		7899	4143
3.737		15836	10437
3.767		67293	45010
3.822		15925	13195
3.866		48189	49356
3.917		469034	351772
3.942		9213	4623
3.962		19141	10301
3.982		130659	85661
4.017		694875	490297
4.05		81150	47863
4.067		63899	35176
4.129		17142	14921

4.154		186819	207319
4.183		9099	10975
4.22		184069	130819
4.263		308623	197741
4.282		216184	103566
4.295		889706	505970
4.32		494468	509431
4.373		2960912	2309357
4.415		84508	85585
4.443		138270	90275
4.468		750396	566894
4.511		4028614	3204482
4.614		2945113	2809011
4.668		402563	333773
4.707		936262	788814
4.743		3961912	3405968
4.776		2028645	1470675
4.814		1519193	1179017
4.871		9047	5298
4.885		5784	2791
4.914		377059	282394
4.931		48274	26588
4.966		2705017	2080495
4.989		328033	209035
5.04		1417013	1274423
5.076		728736	577593
5.106		531588	413179
5.138		93808	53599
5.16		6453358	5307495
5.2		116310	80460
5.232		186990	147534
5.273		5232	4171
5.296		5503	3077
5.351		49570	30590
5.374		1022604	863337
5.418		3552417	4136647
5.574		60699	50625
5.62		95867	73681
5.643		25022	14846
5.665		8250	3789
5.692		574729	506410
5.799		1160577	1017631
5.831		59666	41479
5.999		226061	210990
6.158	DCB	64620	56961
6.333		2930	1933
6.36		4080	4165
6.601		5815	5053
7.629		2846	4365
8.295		9358	16852
8.524		2570	6796

9197312 CAF DF100 AET1-7W T 172510040A 10225 SW-846 8082

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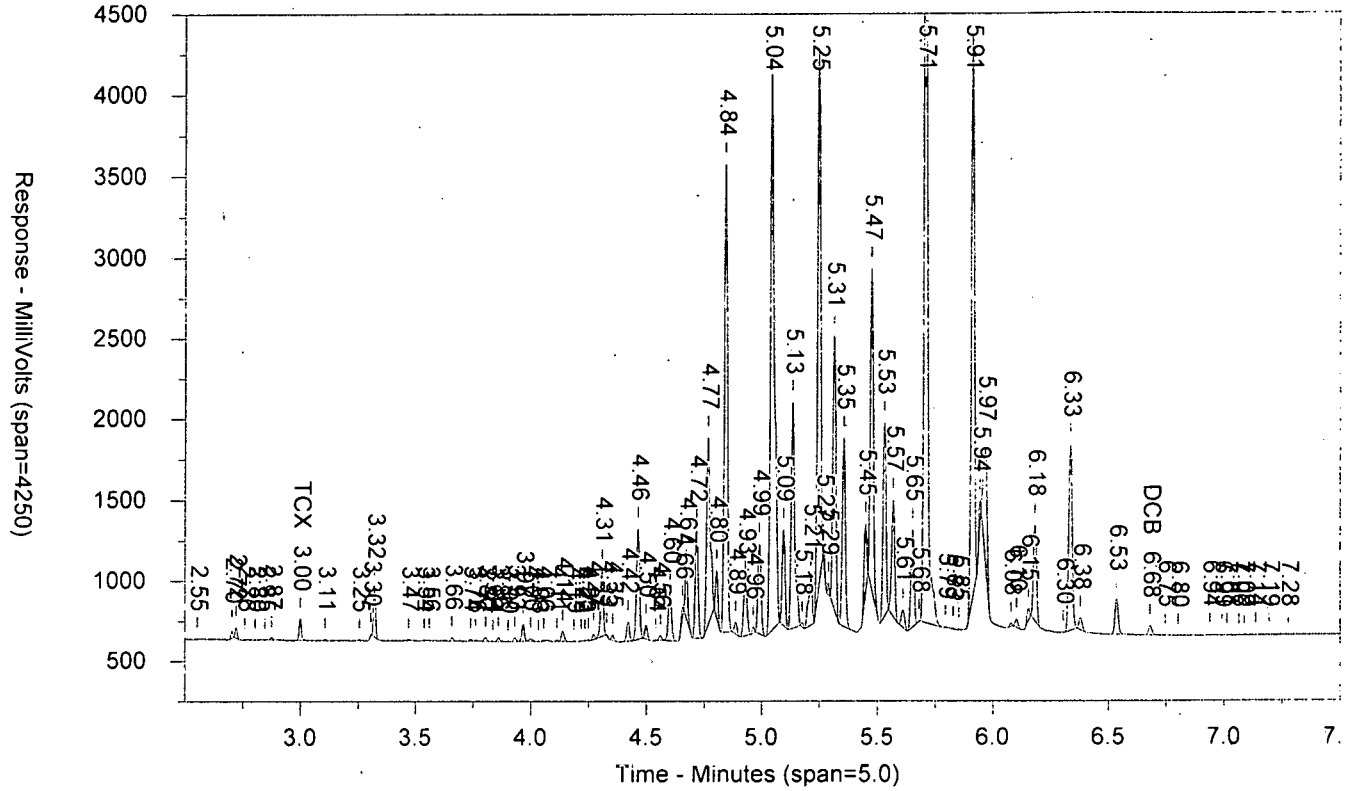

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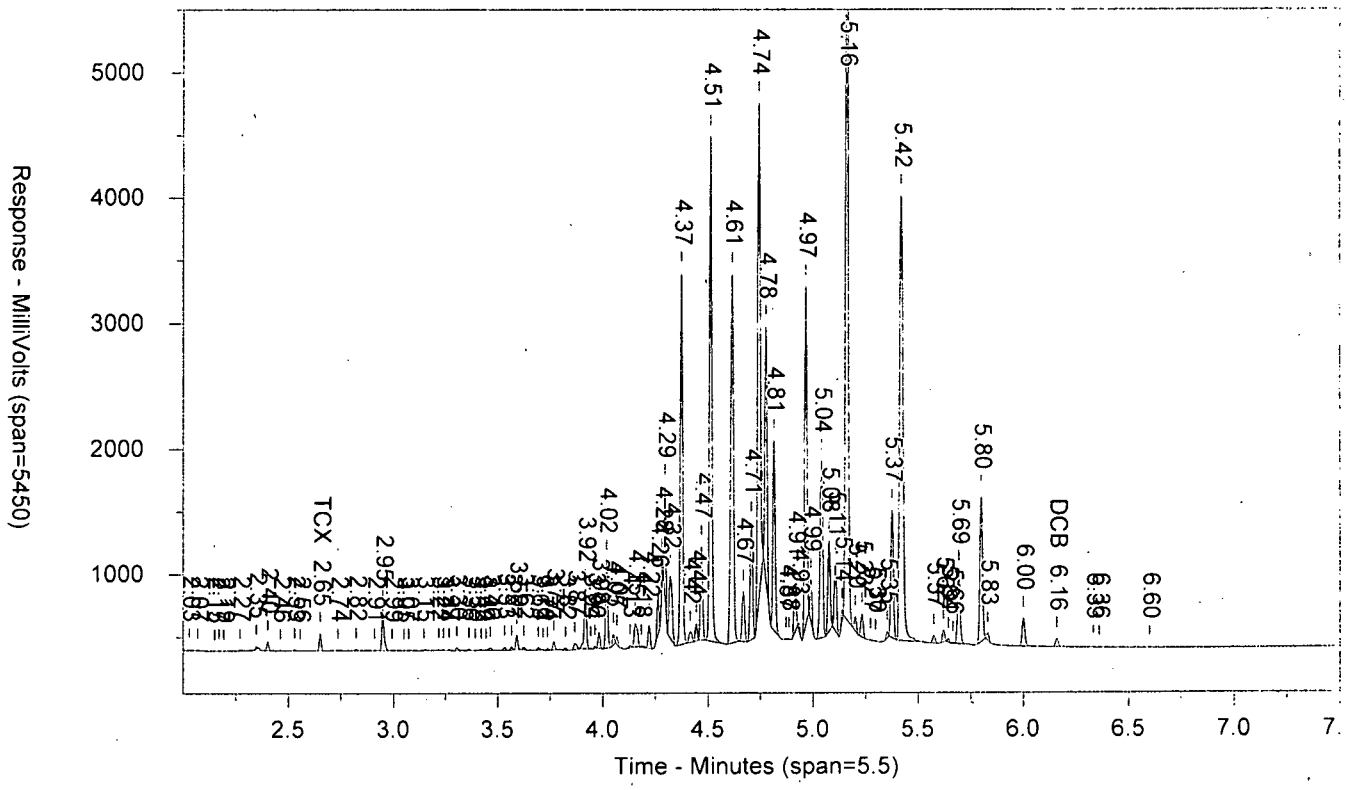

LANCASTER LABORATORIES

Sample Number: 9197312 CAF DF100 AET1-7W T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:21:07 PM Sample Weight: 10.08
Instrument ID: CP7-19843A Dilution Factor: 1000
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	135758	35.582	TCX	2.652	137446	35.087	TCX
6.681	57761	42.453	DCB	6.158	64620	40.242	DCB

Files:
Area File: 07pcbs17250007.0063.RAW
Area File: 07pcbs17250007B.0063.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 8:29:49 PM
File Reported On: 9/15/2017 at 8:29:55 PM

9197312 CAF DF100 AET1-7W T 172510040A 10225 SW-846 8082

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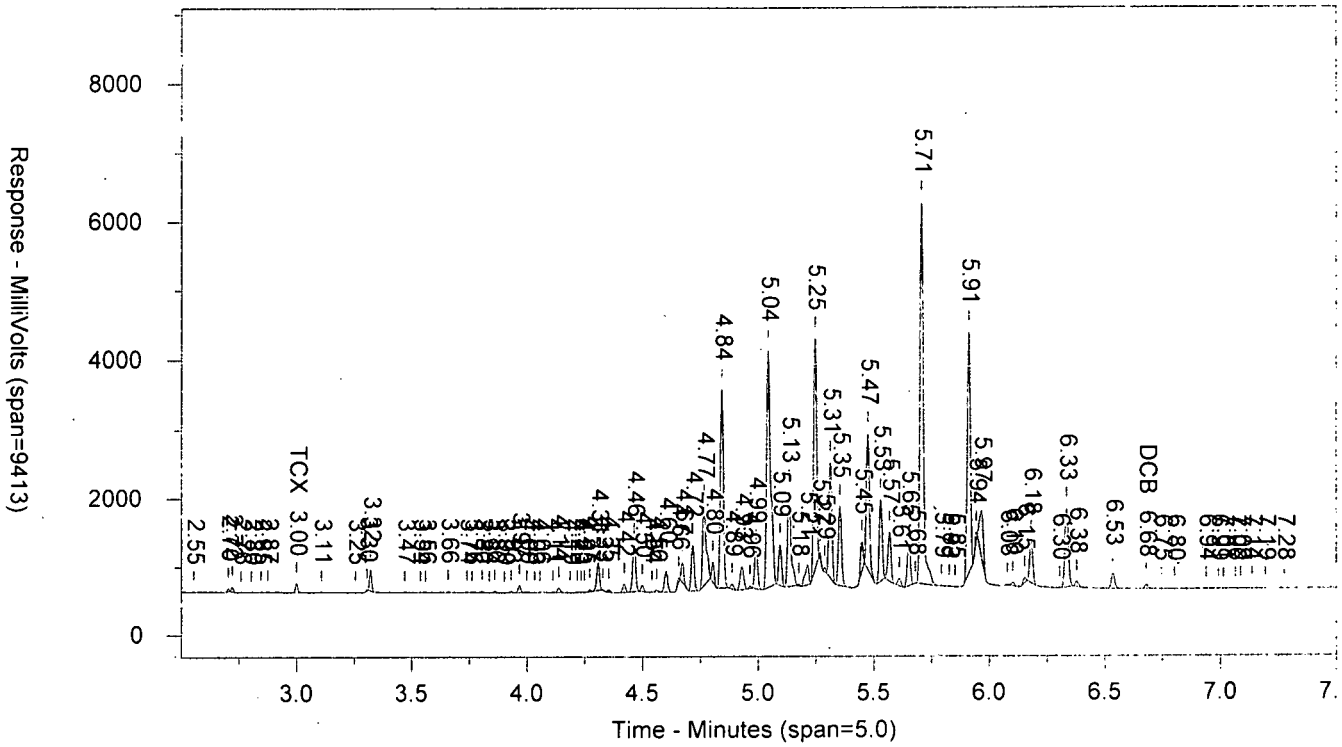

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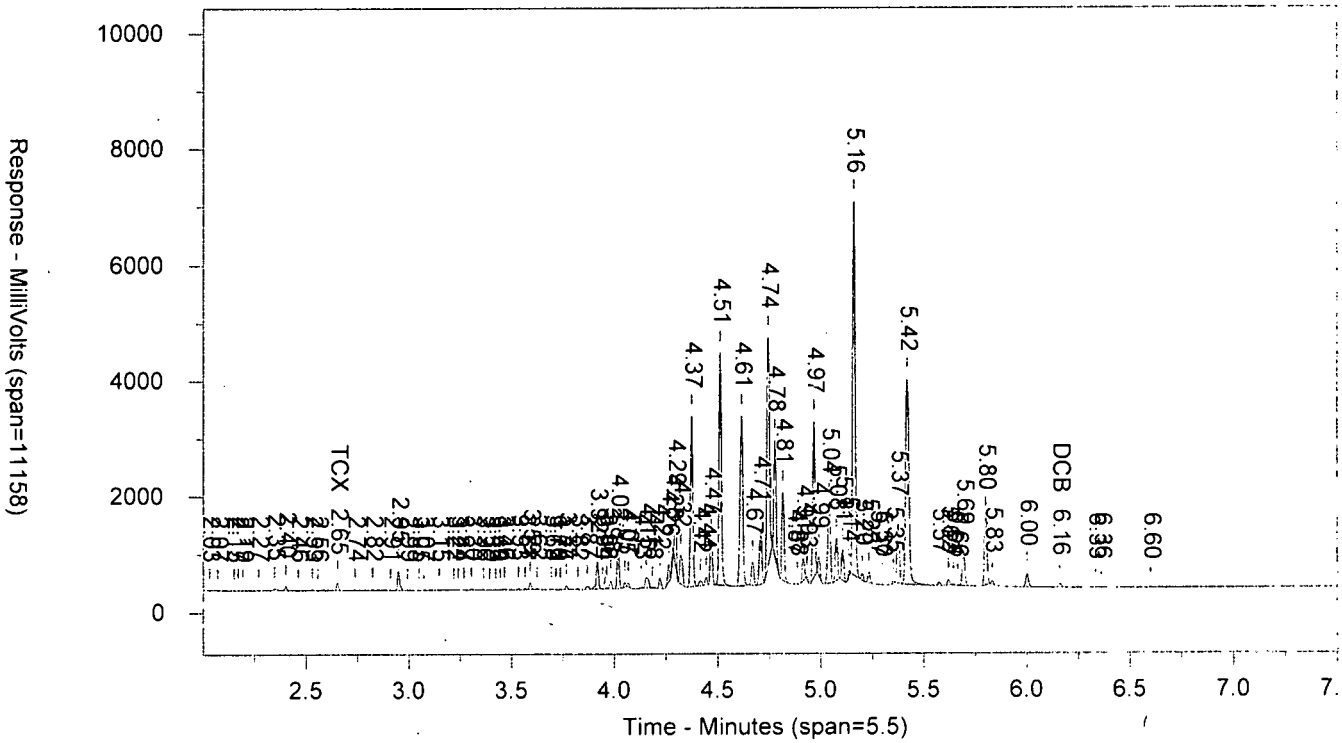

9197312 CAF DF100 AET1-7W T 172510040A 10225 SW-846 8082

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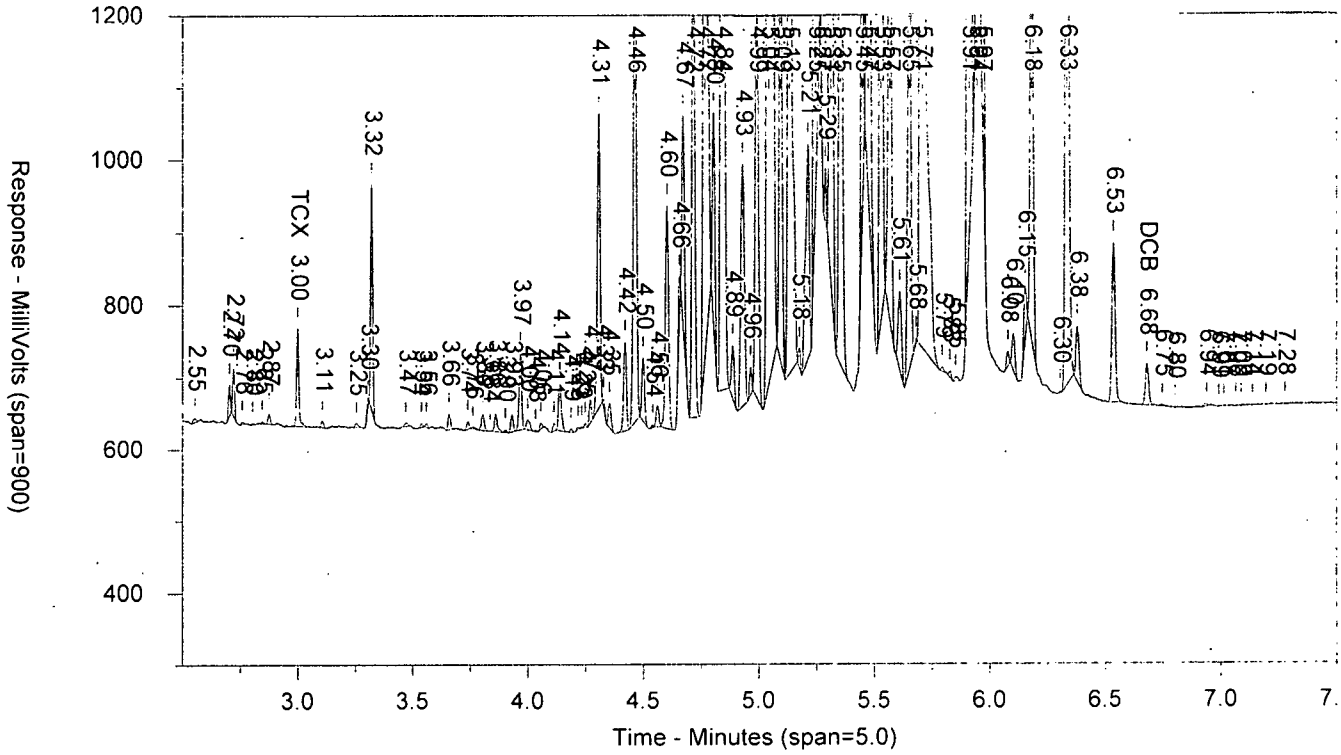

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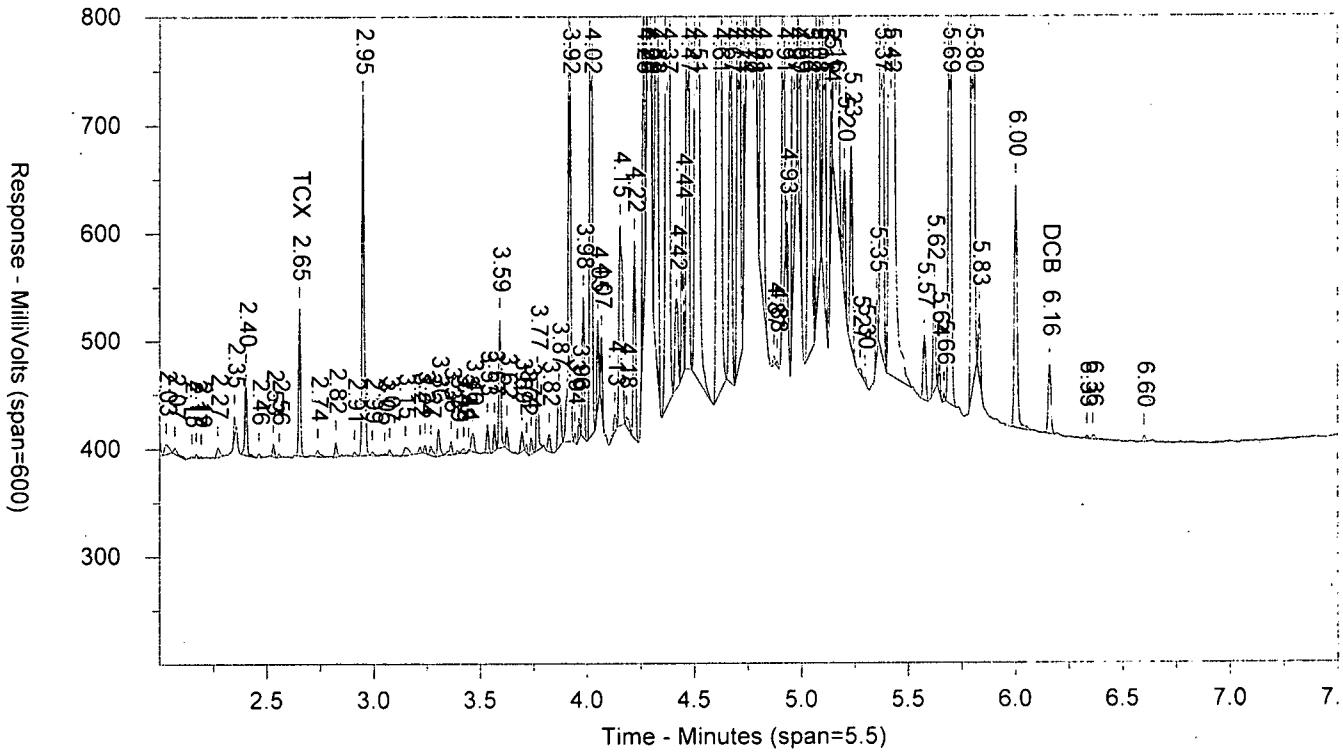

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Data Summary

Sample Name: 9197313 CAF T1-7E Sample ID: AD **Batchnumber: 172510040A**
Sample Amount: 10.14 g Total Volume: 10 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 20:32:43
Instrument	19843A
Result file	07PCBS17250007.0064.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) * 58% (61 - 152) Conc: 17.54079
%SSR(DCB) 61% (48 - 164) Conc: 16.34458

Analysis Report (B)

Injected on	Sep 15, 2017 20:32:43
Instrument	19843B
Result file	07PCBS17250007B.0064.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 61% (61 - 152) Conc: 18.41416
%SSR(DCB) 60% (48 - 164) Conc: 15.95105

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	6732189	17.54079
Decachlorobiphenyl	6.65	6.68	6.71	2237060	16.34458

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	7256344	18.41416
Decachlorobiphenyl	6.13	6.16	6.19	2576645	15.95105

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	18.41416				4.86	
☑	Tetrachloro-m-xylene-D1	A	17.54079					
☑	Tetrachloro-m-xylene-D2	B	18.41416					
☐	Decachlorobiphenyl	A	16.34458				2.44	
☑	Decachlorobiphenyl-D1	A	16.34458					
☑	Decachlorobiphenyl-D2	B	15.95105					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.44**	
4.82	4.84	4.86	806263.4	54.631794			1
5.02	5.04	5.06	999896.6	69.022761			2
5.23	5.25	5.27	1091606	79.412896			3
5.45	5.47	5.49	666518	83.732495			4
5.69	5.71	5.73	1827163	93.731515			5
5.89	5.91	5.93	1210321	94.940697			6

Height summation: **6601768**
Concentration CF: **79.24536** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.15**	
4.35	4.37	4.39	836813.8	55.373797			1
4.49	4.51	4.53	1176533	67.868363			2
4.60	4.61	4.64	839416.4	59.884073			3
4.72	4.74	4.76	1317935	77.913814			4
5.14	5.16	5.18	1973202	90.350908			5
5.40	5.42	5.44	1202480	92.977814			6

Height summation: **7346380.2**
Concentration CF: **74.061462** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<50.2959	<9.7633	D1		4	
☑	PCB-1221			<50.2959	<15.0888	D1		3	
☑	PCB-1232			<50.2959	<12.1302	D1		4	
☑	PCB-1242			<50.2959	<12.1302	D1		4	
☑	PCB-1248			<50.2959	<9.7633	D1		4	
☑	PCB-1254			<50.2959	<13.0178	D1		4	
☑	PCB-1260	A	79.24536	50.2959	11.5385	D1	6.76	4	

Units: ug/kg

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

Valerie L. Tomczyko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:41

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197313** CAF T1-7E ID: AD **Batchnumber: 172510040A**
Sample Amount: 10.14 g Total Volume: 10 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:32:43
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0064.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : *58% (61-152) Conc.: 17.54079
%SSR(DCB) : 61% (48-164) Conc.: 16.34458

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**62.27**	
+ 3.23	3.23	3.27	1674.974	0.251259			1
3.23	3.27	3.27	4361.499	0.654259			1
3.74	3.74	3.78	2308.496	0.28987			4
3.78	3.81	3.82	6517.711	0.697344			5
3.91	3.93	3.95	8204.909	1.431142			6
Height Summation:			**21392.615**				
Amount Avg CF:			**0.768154**	Linear:			
Aroclor-1221					**3**	**153.43**	
3.13	3.14	3.17	3881.033	1.257415			1
3.18	3.20	3.22	60205.56	21.324778			2
+ 3.23	3.23	3.27	1674.974	0.194782			3
3.23	3.27	3.27	4361.499	0.507198			3
Height Summation:			**68448.092**				
Amount Avg CF:			**7.696463**	Linear:			
Aroclor-1232					**4**	**90.81**	
+ 3.23	3.23	3.27	1674.974	0.214169			1
3.23	3.27	3.27	4361.499	0.557679			1
3.74	3.74	3.78	2308.496	0.628874			4
3.78	3.81	3.82	6517.711	1.422792			5
3.91	3.93	3.95	8204.909	3.557998			6
Height Summation:			**21392.615**				
Amount Avg CF:			**1.541836**	Linear:			
Aroclor-1242					**4**	**67.57**	
+ 3.23	3.23	3.27	1674.974	0.187653			1
3.23	3.27	3.27	4361.499	0.488633			1
3.74	3.74	3.78	2308.496	0.195873			4
3.78	3.81	3.82	6517.711	0.504138			5
3.91	3.93	3.95	8204.909	1.124409			6
Height Summation:			**21392.615**				
Amount Avg CF:			**0.578263**	Linear:			
Aroclor-1248					**6**	**109.61**	
3.78	3.81	3.82	6517.711	1.41461			1
+ 3.84	3.84	3.88	1413.415	0.288374			2
3.84	3.86	3.88	6631.042	1.352907			2
3.91	3.93	3.95	8204.909	1.005366			3
4.03	4.06	4.07	5111.325	0.554654			4
4.12	4.14	4.16	22113.19	2.771593			5
4.30	4.31	4.34	67017.73	7.863906			6
+ 4.30	4.33	4.34	9039.16	1.060661			6
Height Summation:			**115595.907**				
Amount Avg CF:			**2.493839**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:32:43
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0064.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 61% (61-152) Conc.: 18.41416
%SSR(DCB) : 60% (48-164) Conc.: 15.95105

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**163.12**	
2.92	2.95	2.96	126119.4	18.49308			1
3.12	3.15	3.16	6608.455	0.761921			2
3.25	3.27	3.29	5345.956	0.623576			3
3.40	3.41	3.44	3070.004	0.334121			4
3.44	3.47	3.48	7744.256	0.897368			5
3.57	3.59	3.61	36862.97	5.185904			6
Height Summation:			**185751.041**				
Amount Avg CF:			**4.382662**	Linear:			
Aroclor-1221					**3**	**72.50**	
2.80	2.82	2.84	12319.27	3.316424			1
2.86	2.87	2.90	52063.91	22.34463			2
2.92	2.95	2.96	126119.4	13.769967			3
Height Summation:			**190502.58**				
Amount Avg CF:			**13.143674**	Linear:			
Aroclor-1232					**6**	**118.62**	
2.92	2.95	2.96	126119.4	15.115793			1
3.12	3.15	3.16	6608.455	1.509095			2
3.25	3.27	3.29	5345.956	1.262185			3
3.40	3.41	3.44	3070.004	0.726044			4
3.44	3.47	3.48	7744.256	1.798496			5
3.57	3.59	3.61	36862.97	12.334567			6
Height Summation:			**185751.041**				
Amount Avg CF:			**5.457697**	Linear:			
Aroclor-1242					**6**	**156.82**	
2.92	2.95	2.96	126119.4	13.372926			1
3.12	3.15	3.16	6608.455	0.862857			2
3.25	3.27	3.29	5345.956	0.477066			3
3.40	3.41	3.44	3070.004	0.230107			4
3.44	3.47	3.48	7744.256	0.648333			5
3.57	3.59	3.61	36862.97	4.102546			6
Height Summation:			**185751.041**				
Amount Avg CF:			**3.282306**	Linear:			
Aroclor-1248					**6**	**88.08**	
3.44	3.47	3.48	7744.256	1.959297			1
3.51	3.53	3.55	7007.091	1.293199			2
3.55	3.56	3.59	8952.394	0.959472			3
3.67	3.69	3.71	6014.916	0.536164			4
3.76	3.77	3.80	22819.4	2.941697			5
3.90	3.92	3.94	88723.75	6.012704			6
Height Summation:			**141261.807**				
Amount Avg CF:			**2.283755**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197313** CAF T1-7E ID: AD **Batchnumber: 172510040A**
Sample Amount: 10.14 g Total Volume: 10 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:32:43
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0064.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	133.97	
4.29	4.31	4.32	67017.73	7.29305			1
4.63	4.66	4.67	18933.29	1.942763			2
4.69	4.72	4.73	206123.1	9.997553			3
4.91	4.93	4.95	108425.9	8.603041			4
5.11	5.13	5.15	426454.6	59.137791			5
5.23	5.25	5.27	1091606	115.232993			6
Height Summation:			**1918560.62**				
Amount Avg CF:			**33.701198**	Linear:			
Aroclor-1260					6	19.44	
4.82	4.84	4.86	806263.4	54.631794			1
5.02	5.04	5.06	999896.6	69.022761			2
5.23	5.25	5.27	1091606	79.412896			3
5.45	5.47	5.49	666518	83.732495			4
5.69	5.71	5.73	1827163	93.731515			5
5.89	5.91	5.93	1210321	94.940697			6
Height Summation:			**6601768**				
Amount Avg CF:			**79.24536**	Linear:			
Aroclor-1262					6	27.71	
5.29	5.31	5.33	592434	50.164663			1
5.45	5.47	5.49	666518	63.485658			2
5.69	5.71	5.73	1827163	79.316818			3
5.89	5.91	5.93	1210321	76.977645			4
5.95	5.97	5.99	269732.2	34.094915			5
6.31	6.33	6.35	468839.2	66.091041			6
Height Summation:			**5035007.4**				
Amount Avg CF:			**61.688457**	Linear:			
Aroclor-1268					6	93.27	
5.89	5.91	5.93	1210321	42.911008			1
5.95	5.97	5.99	269732.2	11.059204			2
6.08	6.10	6.12	116307.6	4.969086			3
+ 6.14	6.17	6.18	19135.68	3.113858			4
6.14	6.18	6.18	202280.4	32.91612			4
6.31	6.33	6.35	468839.2	65.000326			5
6.51	6.54	6.55	120071	2.529184			6
Height Summation:			**2387551.4**				
Amount Avg CF:			**26.564155**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:32:43
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0064.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	116.32	
4.20	4.22	4.24	44340.77	3.789099			1
+ 4.26	4.26	4.30	68979.95	3.333774			2
+ 4.26	4.28	4.30	53593.11	2.590134			2
4.26	4.30	4.30	272190.1	13.15484			2
4.35	4.37	4.39	836813.8	86.100218			3
4.42	4.44	4.46	61821.48	4.837248			4
4.64	4.67	4.68	131594.5	14.625336			5
4.72	4.74	4.76	1317935	92.446946			6
Height Summation:			**2664695.65**				
Amount Avg CF:			**35.825614**	Linear:			
Aroclor-1260					6	21.15	
4.35	4.37	4.39	836813.8	55.373797			1
4.49	4.51	4.53	1176533	67.868363			2
4.60	4.61	4.64	839416.4	59.884073			3
4.72	4.74	4.76	1317935	77.913814			4
5.14	5.16	5.18	1973202	90.350908			5
5.40	5.42	5.44	1202480	92.977814			6
Height Summation:			**7346380.2**				
Amount Avg CF:			**74.061461**	Linear:			
Aroclor-1262					6	26.33	
4.76	4.78	4.80	674853.2	40.802437			1
4.95	4.97	4.99	839391.6	54.536872			2
5.14	5.16	5.18	1973202	69.481615			3
5.36	5.37	5.40	358567.1	34.909698			4
5.40	5.42	5.44	1202480	69.404007			5
5.78	5.80	5.82	433252.5	58.427716			6
Height Summation:			**5481746.4**				
Amount Avg CF:			**54.593724**	Linear:			
Aroclor-1268					6	99.90	
5.36	5.37	5.40	358567.1	12.18452			1
5.40	5.42	5.44	1202480	42.617476			2
5.56	5.58	5.60	89580.09	3.797442			3
5.62	5.64	5.66	82845.23	14.426813			4
5.78	5.80	5.82	433252.5	53.574493			5
5.98	6.00	6.02	120710.1	2.168944			6
Height Summation:			**2287435.02**				
Amount Avg CF:			**21.461615**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.2959	9.7633		** 140.35	4	40	
Aroclor-1221			50.2959	15.0888		** 52.28	3	40	
Aroclor-1232			50.2959	12.1302		** 111.89	4	40	
Aroclor-1242			50.2959	12.1302		** 140.09	4	40	
Aroclor-1248			50.2959	9.7633		8.79	4	40	
Aroclor-1254			50.2959	13.0178		6.11	4	40	
Aroclor-1260			50.2959	11.5385		6.76	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197313** CAF T1-7E ID: AD **Batchnumber: 172510040A**
Sample Amount: 10.14 g Total Volume: 10 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 15, 2017 20:32:43
Instrument	: CP 7--19843A
Result file	: 07PCBS17250007.0064.RAW
Calibration file	: 07PCBS1725001.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Sep 15, 2017 20:32:43
Instrument	: CP 7--19843B
Result file	: 07PCBS17250007B.0064.RAW
Calibration file	: 07PCBS1725001B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			50.2959	9.7633		12.20	4	40	
Aroclor-1268			50.2959	9.7633		21.25	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197313 CAF ADT1-7E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:32:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0064.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.534		5749	6769
1.638		21114	27253
1.667		23380	42358
1.722		5366	3340
1.799		13589	14730
1.823		9873	7336
2.108		5777	7557
2.149		5949	5259
2.204		4179	2946
2.27		28912	20075
2.294		21418	15843
2.391		21574	12741
2.434		5836	4933
2.55		7330	5782
2.669		3331	2486
2.703		23547	14277
2.721		26004	14486
2.876		8361	5317
2.954		4172	3038
3	TCX	6732189	4348280
3.107		20906	17430
3.135		3881	2251
3.197		60206	41404
3.234		1675	633
3.266		4361	2916
3.303		12353	6431
3.321		116684	78392
3.425		6939	4876
3.506		6609	5382
3.546		3487	4430
3.608		3033	1868
3.661		13602	15350
3.697		5237	3924
3.743		2308	1268
3.806		6518	4371
3.838		1413	456
3.861		6631	3523
3.885		1032	129
3.898		1588	410
3.905		1266	238
3.931		8205	6126
3.967		29574	21705
4.006		5526	7338
4.058		5111	8429
4.115		3736	2412
4.138		22113	18829
4.169		2558	1095
4.25		8933	8097
4.273		7507	4385
4.308		67018	57014
4.329		9039	5339
4.353		13918	16461
4.393		3380	1875

RT A	Compound A	Height A	Area A
4.422		30228	23983
4.466		162980	147133
4.5		26274	20030
4.541		2109	1159
4.562		8867	6264
4.602		101294	98201
4.656		18933	11338
4.673		71592	55275
4.718		206123	177938
4.767		360558	394030
4.804		80952	53998
4.844		806263	741181
4.888		24866	22163
4.931		108426	116525
4.966		16459	11605
4.992		202799	183379
5.043		999897	1231898
5.095		187439	172808
5.135		426455	472187
5.177		11568	6521
5.213		109801	135893
5.248		1091606	1028337
5.269		24957	12252
5.29		20602	9659
5.313		592434	525058
5.356		374278	377063
5.421		6637	3664
5.451		147556	115126
5.474		666518	582616
5.53		414161	374445
5.57		236870	232377
5.611		45945	48362
5.653		209385	214208
5.708		1827163	1980683
5.808		5325	4207
5.826		12342	8547
5.852		4999	3835
5.88		3036	1897
5.912		1210321	1158042
5.944		40626	27093
5.967		269732	309864
6.102		116308	124555
6.166		19136	20997
6.181		202280	152817
6.335		468839	466497
6.379		28089	24972
6.42		1647	569
6.432		1123	321
6.535		120071	124038
6.611		1603	1124
6.683	DCB	2237060	2255483
6.937		1469	680
6.964		1204	518
7.018		1646	454
7.099		1293	766
7.147		1155	289
7.401		1943	1487
7.707		2107	420
7.862		2749	2565
8.265		1627	358
8.359		1257	381
8.434		1399	495
8.556		1244	330
8.609		1271	296
8.652		1671	492

LANCASTER LABORATORIES

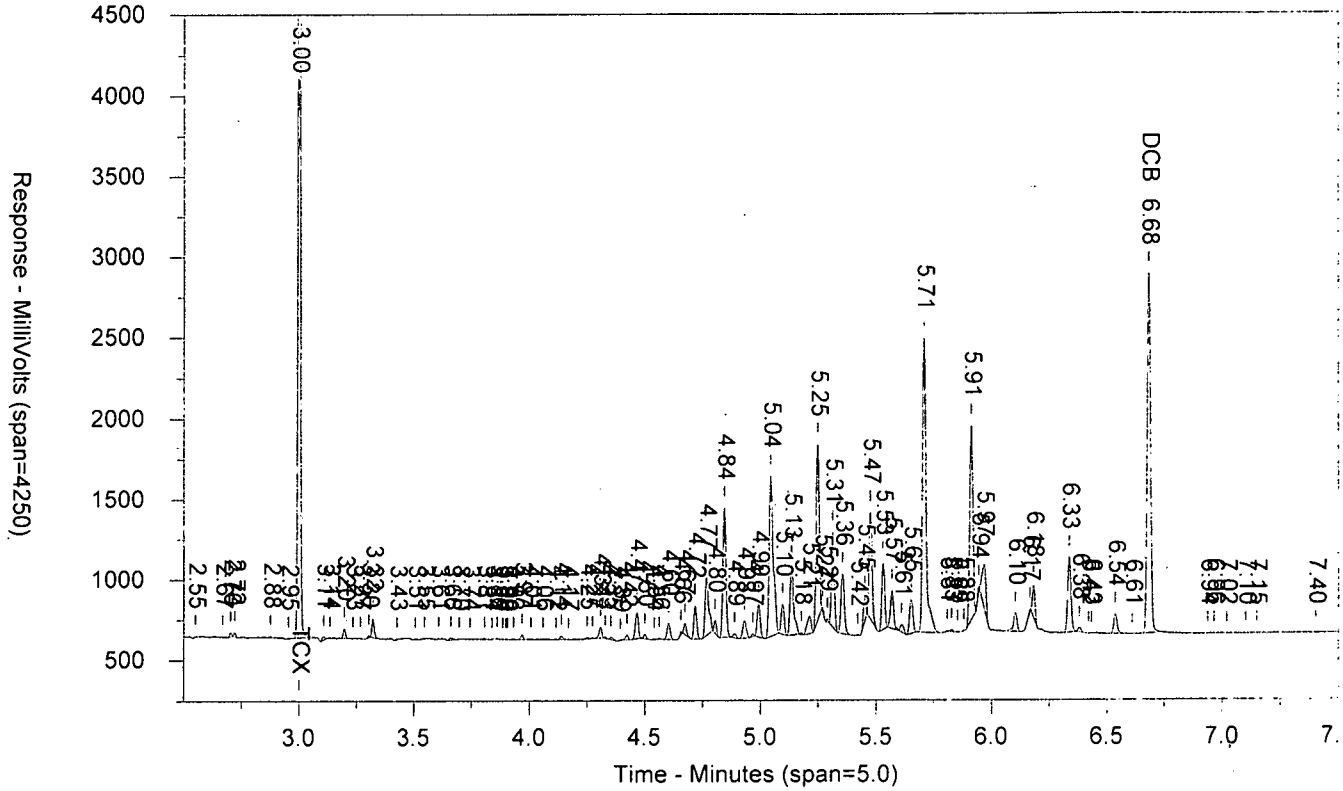
Sample Number: 9197313 CAF ADT1-7E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:32:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0064.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.509		2807	1330
1.528		3070	2149
1.55		2608	1219
1.59		5676	5190
1.666		4681	5914
1.795		4636	11128
1.831		2455	1251
1.865		2885	3569
1.91		7732	8717
1.959		33098	35824
1.993		26952	17248
2.027		12406	20295
2.07		5138	4075
2.09		9599	7250
2.147		3442	3042
2.172		4700	5413
2.217		2872	2138
2.247		2717	1441
2.269		11072	10084
2.33		2160	1429
2.347		16314	17269
2.401		29319	23686
2.462		5692	4584
2.529		5733	3368
2.554		4083	3543
2.652	TCX	7256344	4406046
2.734		6532	8560
2.769		3153	2193
2.821		12319	8333
2.849		4511	3404
2.87		52064	28008
2.909		5391	8016
2.948		126119	98401
2.986		18110	17322
3.074		4429	3355
3.155		6608	6868
3.177		2850	2353
3.217		3989	3960
3.268		5346	6156
3.308		6476	9260
3.348		1490	780
3.376		5191	2433
3.413		3070	3107
3.467		7744	6872
3.533		7007	4988
3.565		8952	5289
3.591		36863	24793
3.625		7570	5981
3.693		6015	5588
3.714		8952	7196
3.738		8768	6612
3.768		22819	15260
3.821		5126	4222
3.874		13753	15887

3.917		88724	69046
3.943		6230	3460
3.964		2946	1538
3.981		40609	28359
4.018		157040	111154
4.05		21807	12555
4.066		13773	7047
4.115		4287	2390
4.132		4011	2487
4.154		63438	66306
4.196		5732	3925
4.22		44341	29710
4.263		68980	45080
4.282		53593	29897
4.295		272190	161251
4.321		134357	131862
4.374		836814	637979
4.415		28004	29062
4.444		61821	39314
4.469		246927	187292
4.512		1176533	940997
4.615		839416	806893
4.667		131595	111662
4.706		304056	264139
4.743		1317935	1124773
4.776		674853	495472
4.815		460191	372582
4.871		12795	8795
4.915		119239	83730
4.931		22808	11775
4.966		839392	639705
4.99		120391	77552
5.04		488539	441444
5.076		252707	192173
5.106		171647	146178
5.138		25987	15958
5.16		1973202	1720595
5.201		33298	21188
5.233		113302	92372
5.278		11515	8367
5.298		5761	3247
5.331		10824	8854
5.351		14782	8245
5.375		358567	309619
5.419		1202480	1343627
5.575		89580	74038
5.621		27543	18945
5.644		82845	61750
5.693		221353	194075
5.735		6238	3912
5.8		433253	372272
5.832		20759	14559
6		120710	109504
6.159	DCB	2576645	2449168
6.538		1530	1448
6.64		2430	1943
7.074		18171	30003
8.297		8435	15014

9197313 CAF ADT1-7E T 172510040A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250007.0064.RAW



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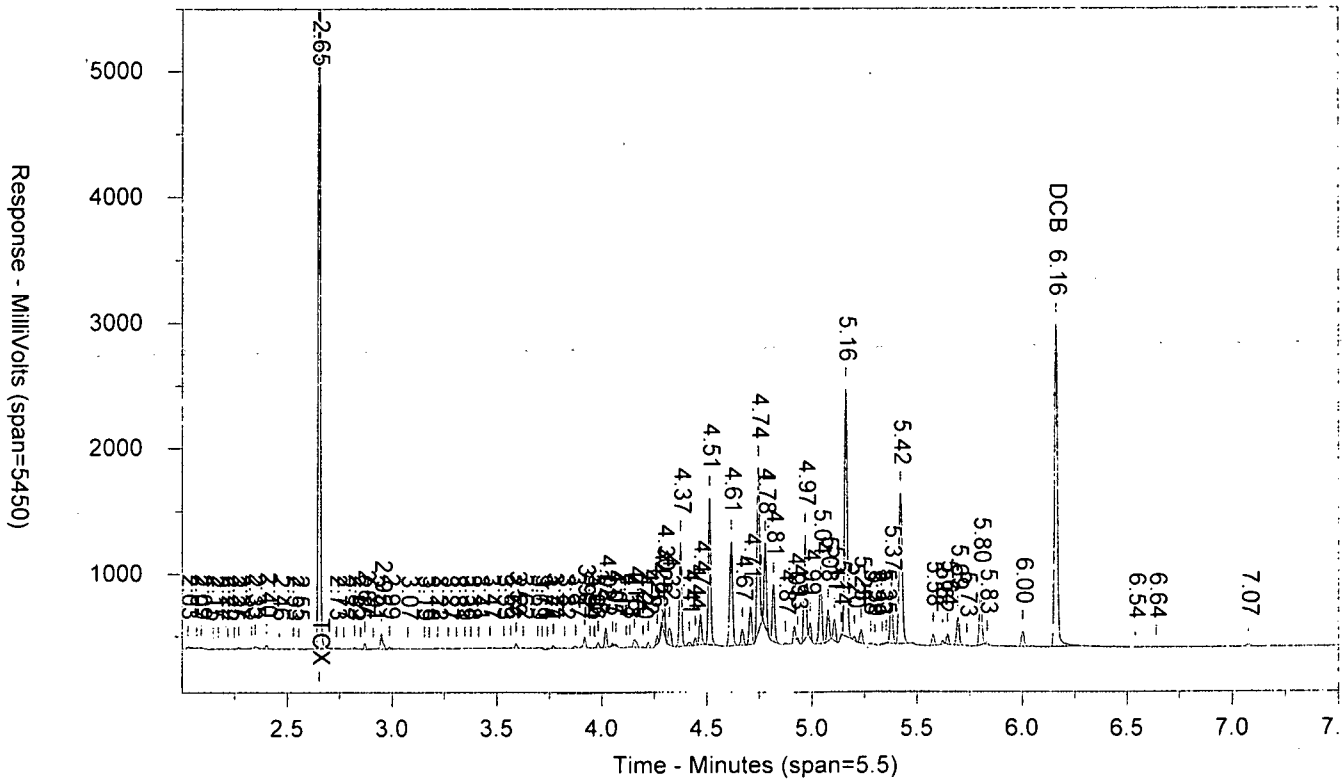

LANCASTER LABORATORIES

Sample Number: 9197313 CAF ADT1-7E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:32:43 PM Sample Weight: 10.14
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	6732189	17.541	TCX	2.652	7256344	18.414	TCX
6.683	2237060	16.345	DCB	6.159	2576645	15.951	DCB

Files:
Area File: 07pcbs17250007.0064.RAW
Area File: 07pcbs17250007B.0064.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 8:41:26 PM
File Reported On: 9/15/2017 at 8:41:35 PM

9197313 CAF ADT1-7E T 172510040A 10225 SW-846 8082

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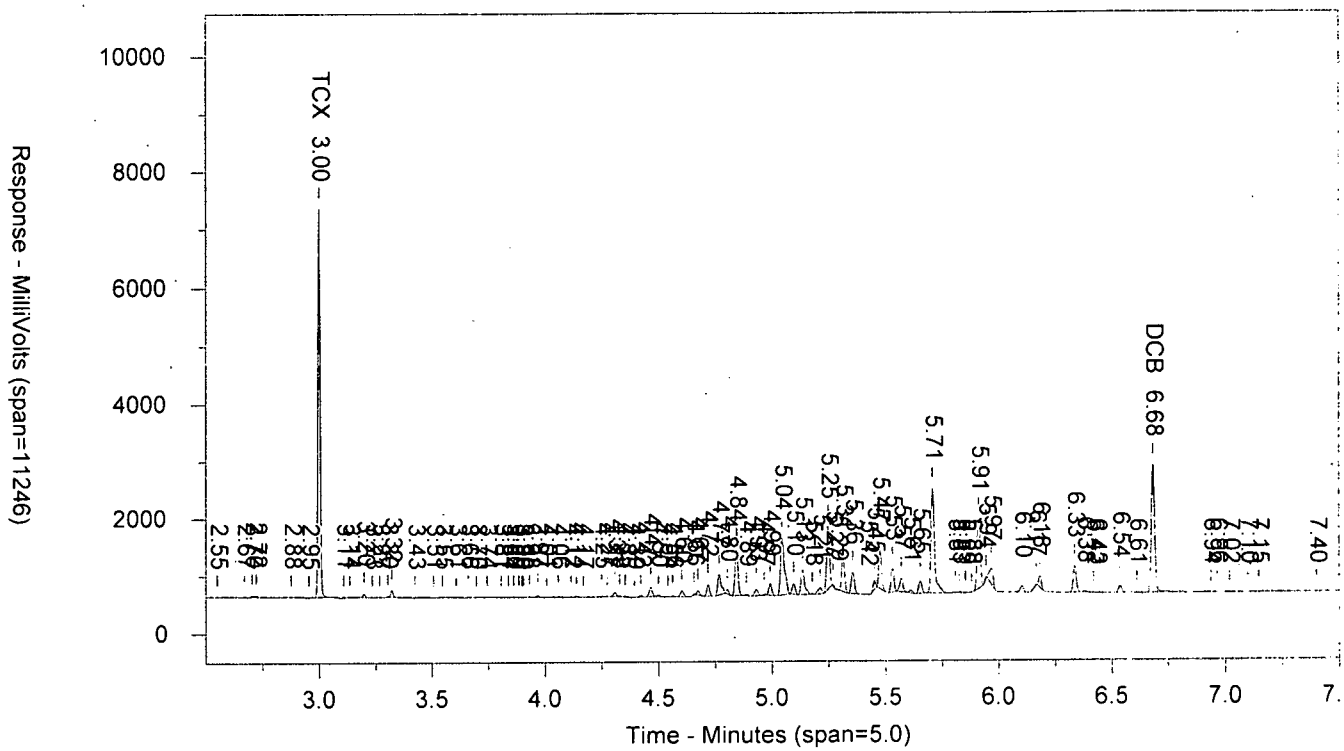

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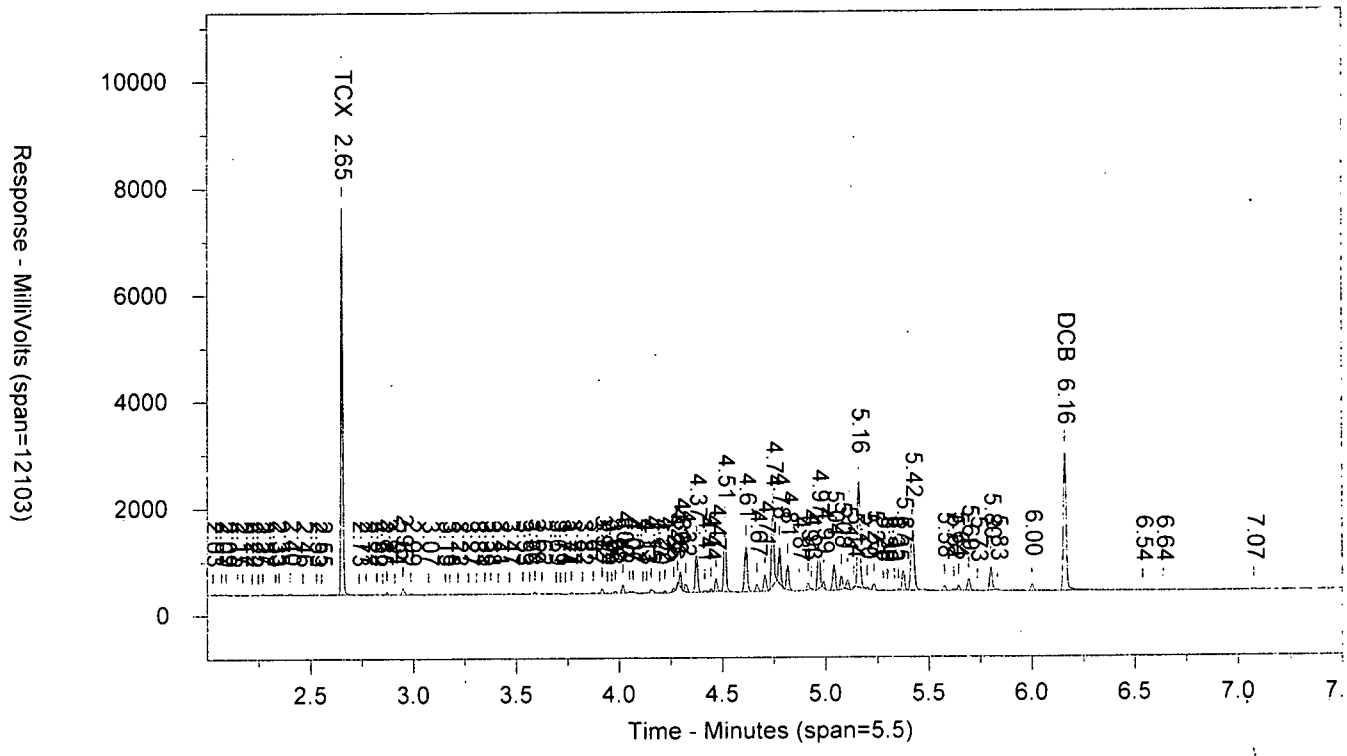

9197313 CAF ADT1-7E T 172510040A 10225 SW-846 8082

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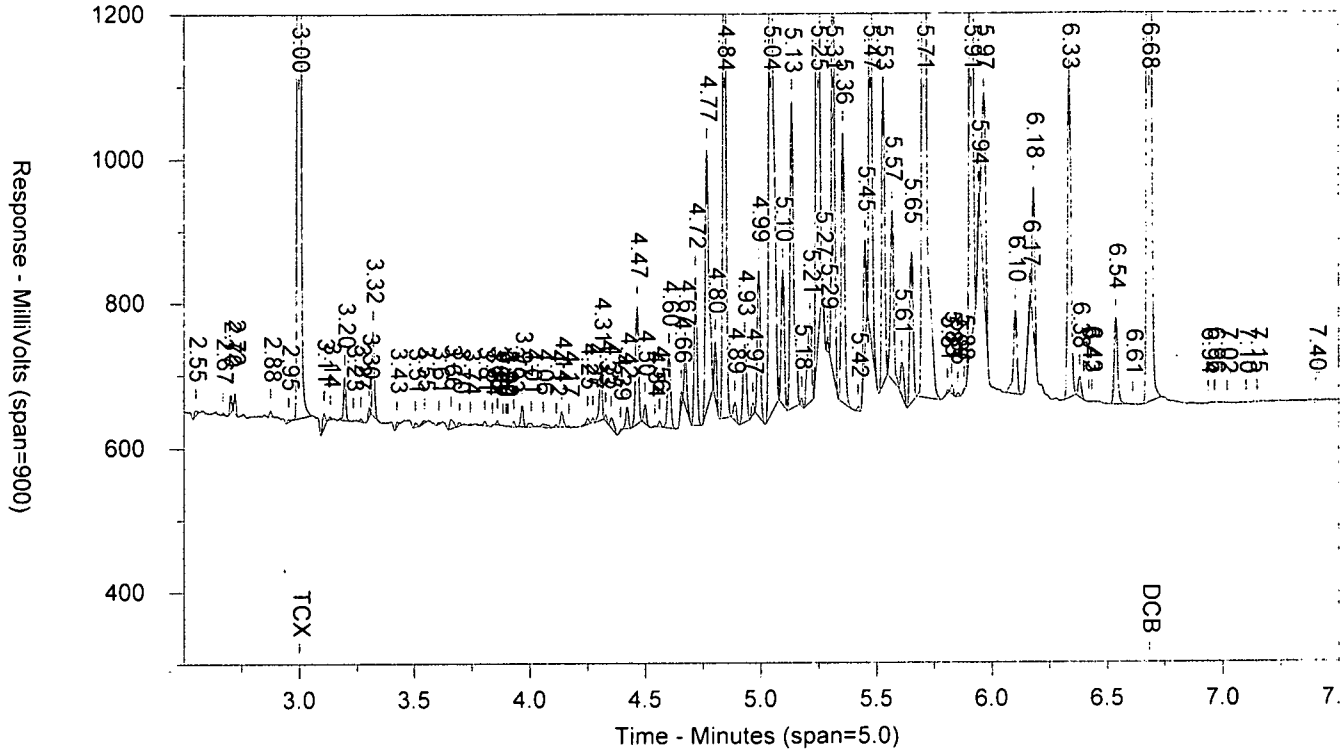

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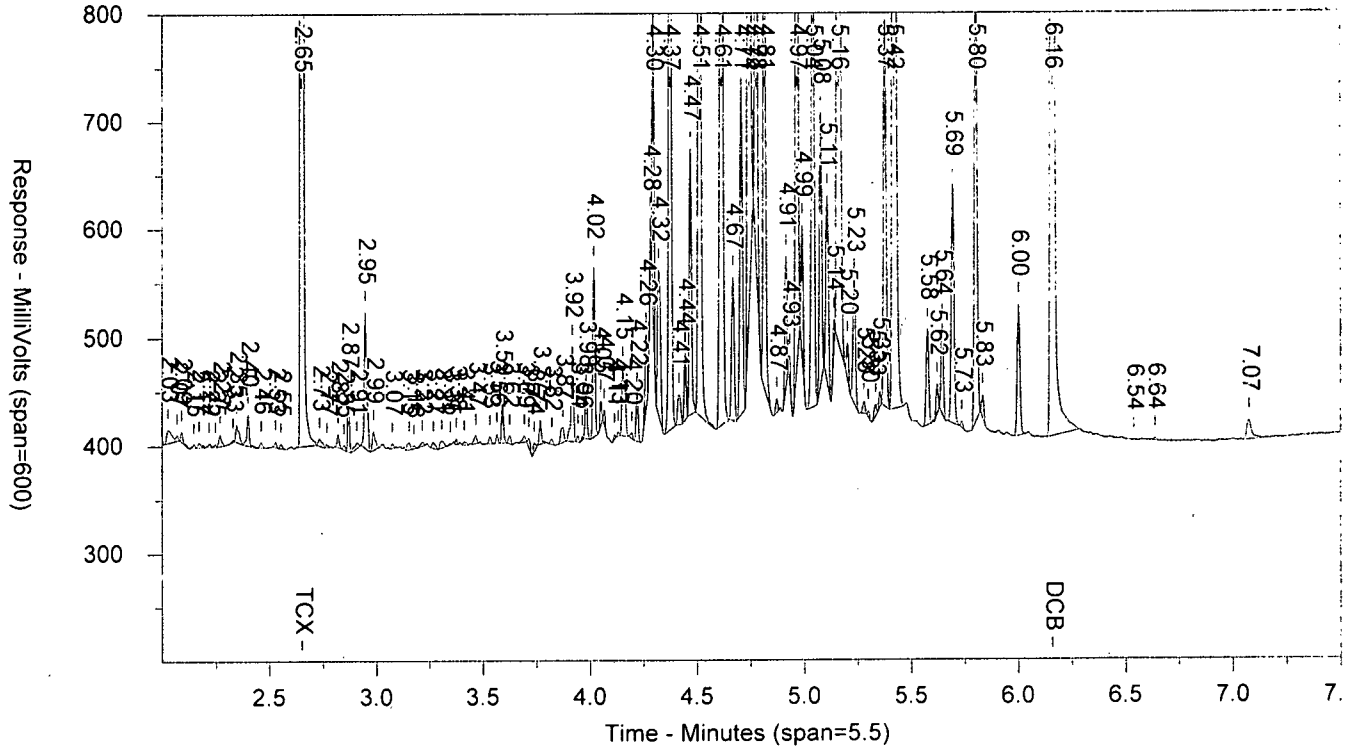

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Data Summary

Sample Name: 9197314 CAF DF100 T1-8W Sample ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.2 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 20:44:10
Instrument	19843A
Result file	07PCBS17250007.0065.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 116% (61 - 152) Conc: 34.81315
%SSR(DCB) 158% (48 - 164) Conc: 41.94944

Analysis Report (B)

Injected on	Sep 15, 2017 20:44:10
Instrument	19843B
Result file	07PCBS17250007B.0065.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 114% (61 - 152) Conc: 34.14691
%SSR(DCB) 145% (48 - 164) Conc: 38.48455

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	134404	34.81315
Decachlorobiphenyl	6.65	6.68	6.71	57755	41.94944

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	135357	34.14691
Decachlorobiphenyl	6.13	6.16	6.19	62534	38.48455

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	34.81315				1.93	
☑	Tetrachloro-m-xylene-D1	A	34.81315					
☑	Tetrachloro-m-xylene-D2	B	34.14691					
☐	Decachlorobiphenyl	A	41.94944				8.62	
☑	Decachlorobiphenyl-D1	A	41.94944					
☑	Decachlorobiphenyl-D2	B	38.48455					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.76**	
4.82	4.84	4.86	1558560	10498.562157			1
5.02	5.04	5.06	1789854	12282.665605			2
5.23	5.25	5.27	1803542	13043.350472			3
5.45	5.47	5.49	1130320	14116.315122			4
5.69	5.71	5.73	3189945	16267.818589			5
5.89	5.91	5.93	2002491	15615.654913			6

Height summation: **11474712**
Concentration CF: **13637.394476** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.04**	
4.35	4.37	4.39	1602557	10542.090409			1
4.49	4.51	4.53	2140665	12275.798456			2
4.60	4.61	4.64	1541496	10932.363547			3
4.72	4.74	4.76	2201177	12936.393611			4
5.14	5.16	5.18	3535478	16093.366328			5
5.40	5.42	5.44	2047623	15739.439135			6

Height summation: **13068996**
Concentration CF: **13086.575248** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<5000	<970.5882	D1		4	
☑	PCB-1221			<5000	<1500	D1		3	
☑	PCB-1232			<5000	<1205.8823	D1		4	
☑	PCB-1242			<5000	<1205.8823	D1		4	
☑	PCB-1248			<5000	<970.5882	D1		4	
☑	PCB-1254			<5000	<1294.1176	D1		4	
☑	PCB-1260	A	13637.394476	5000	1147.0588	D1	4.12	4	

Units: ug/kg

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

Valerie L Tomayko
Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:44

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197314** CAF DF100 T1-8W ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.2 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:44:10
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0065.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 116% (61-152) Conc.: 34.81315
%SSR(DCB) : 158% (48-164) Conc.: 41.94944

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**37.27**	
3.78	3.80	3.82	15670.44	166.675262			5
3.91	3.93	3.95	16492.69	285.981735			6
Height Summation:			**32163.13**				
Amount Avg CF:			**226.328498**	Linear:			
Aroclor-1232					**3**	**64.81**	
3.74	3.74	3.78	7019.28	190.092371			4
3.78	3.80	3.82	15670.44	340.067686			5
3.91	3.93	3.95	16492.69	710.986345			6
Height Summation:			**39182.41**				
Amount Avg CF:			**413.715467**	Linear:			
Aroclor-1242					**3**	**62.07**	
3.74	3.74	3.78	7019.28	59.207354			4
3.78	3.80	3.82	15670.44	120.496163			5
3.91	3.93	3.95	16492.69	224.688038			6
Height Summation:			**39182.41**				
Amount Avg CF:			**134.797185**	Linear:			
Aroclor-1248					**6**	**137.71**	
3.78	3.80	3.82	15670.44	338.111904			1
3.84	3.86	3.88	13517.86	274.177604			2
3.91	3.93	3.95	16492.69	200.899979			3
4.03	4.05	4.07	6232.846	67.237725			4
4.12	4.14	4.16	38841.98	483.968576			5
4.30	4.31	4.34	198129.9	2311.194035			6
+ 4.30	4.33	4.34	10313.13	120.303117			6
Height Summation:			**288885.716**				
Amount Avg CF:			**612.598304**	Linear:			
Aroclor-1254					**6**	**116.78**	
4.29	4.31	4.32	198129.9	2143.420023			1
+ 4.63	4.66	4.67	36077.39	368.015897			2
4.63	4.67	4.67	157594	1607.574642			2
4.69	4.72	4.73	424320.9	2045.969926			3
4.91	4.93	4.95	209763.9	1654.578971			4
5.11	5.13	5.15	739192.1	10190.309898			5
5.23	5.25	5.27	1803542	18926.703273			6
Height Summation:			**3532542.8**				
Amount Avg CF:			**6094.759455**	Linear:			
Aroclor-1260					**6**	**15.76**	
4.82	4.84	4.86	1558560	10498.562157			1
5.02	5.04	5.06	1789854	12282.665605			2
5.23	5.25	5.27	1803542	13043.350472			3
5.45	5.47	5.49	1130320	14116.315122			4
5.69	5.71	5.73	3189945	16267.818589			5
5.89	5.91	5.93	2002491	15615.654913			6
Height Summation:			**11474712**				
Amount Avg CF:			**13637.394476**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:44:10
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0065.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 114% (61-152) Conc.: 34.14691
%SSR(DCB) : 145% (48-164) Conc.: 38.48455

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**171.08**	
2.92	2.95	2.96	232016.7	3382.083875			1
3.12	3.14	3.16	5823.723	66.749616			2
3.25	3.27	3.29	7050.479	81.756164			3
3.40	3.42	3.44	2937.917	31.786431			4
3.44	3.46	3.48	11646.03	134.15491			5
3.57	3.59	3.61	67850.62	948.911666			6
Height Summation:			**327325.469**				
Amount Avg CF:			**774.240443**	Linear:			
Aroclor-1221					**2**	**111.37**	
2.80	2.82	2.84	11187.36	299.399046			1
2.92	2.95	2.96	232016.7	2518.30333			3
Height Summation:			**243204.06**				
Amount Avg CF:			**1408.851188**	Linear:			
Aroclor-1232					**6**	**130.11**	
2.92	2.95	2.96	232016.7	2764.432924			1
3.12	3.14	3.16	5823.723	132.207207			2
3.25	3.27	3.29	7050.479	165.483265			3
3.40	3.42	3.44	2937.917	69.071871			4
3.44	3.46	3.48	11646.03	268.871973			5
3.57	3.59	3.61	67850.62	2256.96683			6
Height Summation:			**327325.469**				
Amount Avg CF:			**942.839012**	Linear:			
Aroclor-1242					**6**	**166.23**	
2.92	2.95	2.96	232016.7	2445.690912			1
3.12	3.14	3.16	5823.723	75.592258			2
3.25	3.27	3.29	7050.479	62.547449			3
3.40	3.42	3.44	2937.917	21.891119			4
3.44	3.46	3.48	11646.03	96.92466			5
3.57	3.59	3.61	67850.62	750.679815			6
Height Summation:			**327325.469**				
Amount Avg CF:			**575.554369**	Linear:			
Aroclor-1248					**6**	**113.29**	
3.44	3.46	3.48	11646.03	292.911378			1
3.51	3.53	3.55	14990.93	275.038724			2
3.55	3.57	3.59	15220.08	162.16149			3
3.67	3.69	3.71	11442.7	101.39922			4
3.76	3.77	3.80	39766.53	509.62315			5
3.90	3.92	3.94	233104.1	1570.426522			6
Height Summation:			**326170.37**				
Amount Avg CF:			**485.260081**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197314** CAF DF100 T1-8W ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.2 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:44:10
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0065.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**31.42**	
5.29	5.31	5.33	936130.6	7880.107604			1
5.45	5.47	5.49	1130320	10702.936267			2
5.69	5.71	5.73	3189945	13766.038118			3
5.89	5.91	5.93	2002491	12661.128218			4
5.95	5.97	5.99	412189.1	5179.538983			5
6.31	6.33	6.35	705505.4	9886.82393			6
Height Summation:			**8376581.1**				
Amount Avg CF:			**10012.762186**	Linear:			
Aroclor-1268					**6**	**97.10**	
5.89	5.91	5.93	2002491	7057.916242			1
5.95	5.97	5.99	412189.1	1680.062249			2
6.08	6.10	6.12	30633.21	130.106406			3
+ 6.14	6.15	6.18	51604.51	834.795846			4
6.14	6.18	6.18	358755.5	5803.51603			4
6.31	6.33	6.35	705505.4	9723.659531			5
6.51	6.53	6.55	125554.2	262.912536			6
Height Summation:			**3635128.41**				
Amount Avg CF:			**4109.695499**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:44:10
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0065.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**116.12**	
4.20	4.22	4.24	101351.3	860.993505			1
+ 4.26	4.26	4.30	156939.5	754.020755			2
+ 4.26	4.28	4.30	156290.5	750.902615			2
4.26	4.29	4.30	448522.4	2154.939954			2
4.35	4.37	4.39	1602557	16391.801412			3
4.42	4.44	4.46	106617.7	829.327473			4
4.64	4.67	4.68	239549.2	2646.675036			5
4.72	4.74	4.76	2201177	15349.397238			6
Height Summation:			**4699774.6**				
Amount Avg CF:			**6372.189103**	Linear:			
Aroclor-1260					**6**	**18.04**	
4.35	4.37	4.39	1602557	10542.090409			1
4.49	4.51	4.53	2140665	12275.798456			2
4.60	4.61	4.64	1541496	10932.363547			3
4.72	4.74	4.76	2201177	12936.393611			4
5.14	5.16	5.18	3535478	16093.366328			5
5.40	5.42	5.44	2047623	15739.439135			6
Height Summation:			**13068996**				
Amount Avg CF:			**13086.575248**	Linear:			
Aroclor-1262					**6**	**28.34**	
4.76	4.77	4.80	1130693	6796.092426			1
4.95	4.97	4.99	1451358	9374.280487			2
5.14	5.16	5.18	3535478	12376.113387			3
5.36	5.37	5.40	599602.2	5803.321887			4
5.40	5.42	5.44	2047623	11748.825767			5
5.78	5.80	5.82	676780.6	9073.263277			6
Height Summation:			**9441534.8**				
Amount Avg CF:			**9195.316205**	Linear:			
Aroclor-1268					**6**	**123.66**	
5.36	5.37	5.40	599602.2	2025.531418			1
5.40	5.42	5.44	2047623	7214.357323			2
5.56	5.57	5.60	34579.57	145.725978			3
5.62	5.64	5.66	14307.94	247.695312			4
5.78	5.80	5.82	676780.6	8319.60445			5
5.98	6.00	6.02	136190.5	243.27038			6
Height Summation:			**3509083.81**				
Amount Avg CF:			**3032.697477**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5000	970.5882		** 109.52	4	40	
Aroclor-1221			5000	1500			3	40	
Aroclor-1232			5000	1205.8823		** 78.01	4	40	
Aroclor-1242			5000	1205.8823		** 124.10	4	40	
Aroclor-1248			5000	970.5882		23.20	4	40	
Aroclor-1254			5000	1294.1176		4.45	4	40	
Aroclor-1260			5000	1147.0588		4.12	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197314** CAF DF100 T1-8W ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.2 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 15, 2017 20:44:10
Instrument	: CP 7--19843A
Result file	: 07PCBS17250007.0065.RAW
Calibration file	: 07PCBS1725001.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Sep 15, 2017 20:44:10
Instrument	: CP 7--19843B
Result file	: 07PCBS17250007B.0065.RAW
Calibration file	: 07PCBS1725001B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			5000	970.5882		8.51	4	40	
Aroclor-1268			5000	970.5882		30.16	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197314 CAF DF100 AET1-8W T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:44:10 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0065.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.641		11610	12073
1.748		11188	10131
2.045		1797	1802
2.11		8947	11360
2.148		9155	11942
2.27		57730	43055
2.39		7674	7413
2.435		4609	3263
2.553		4753	4418
2.702		42607	23724
2.72		45622	25738
2.875		13267	8630
2.951		2194	1928
2.999	TCX	134404	90406
3.107		11158	6554
3.303		19807	10489
3.319		222769	133587
3.536		3699	1893
3.605		3509	5994
3.658		14349	11261
3.74		7019	5165
3.803		15670	13385
3.859		13518	12684
3.901		2996	2388
3.929		16493	12516
3.966		59970	44908
3.996		9016	11114
4.032		2171	1011
4.054		6233	3543
4.113		6853	4380
4.137		38842	35147
4.215		2712	1300
4.251		6561	4131
4.271		17661	11166
4.307		198130	168974
4.327		10313	4501
4.354		28346	24794
4.421		71145	63366
4.464		343771	308605
4.498		63691	51288
4.539		4238	2279
4.56		19233	14584
4.601		190862	182938
4.655		36077	21139
4.672		157594	131016
4.717		424321	373633
4.766		482442	371189
4.78		41921	18273
4.803		160540	115504
4.843		1558560	1420225
4.887		47523	39725
4.93		209764	227620
4.964		23899	15249

RT A	Compound A	Height A	Area A
4.99		327408	304506
5.042		1789854	2224548
5.093		332593	290405
5.133		739192	812267
5.175		20615	11209
5.213		175532	203903
5.246		1803542	1652843
5.269		54892	26380
5.288		37458	17994
5.312		936131	844895
5.354		652508	623973
5.449		258311	200397
5.473		1130320	1013441
5.529		699521	621627
5.568		413960	393545
5.609		60643	63816
5.652		350338	345341
5.682		4085	2498
5.707		3189945	3202346
5.792		5704	5030
5.824		4271	2240
5.851		4136	2707
5.91		2002491	1855755
5.941		110892	75481
5.965		412189	452971
6.077		11146	8578
6.101		30633	24978
6.152		51605	37907
6.18		358756	343172
6.296		1981	469
6.334		705505	723513
6.378		45453	40916
6.504		1598	606
6.533		125554	130941
6.681	DCB	57755	56894
6.933		4565	3793
7.082		1573	440
7.103		1225	478
7.211		1491	321
7.343		1731	393
7.379		1635	497
7.407		2129	1555
7.672		1446	643
7.737		1335	392
7.859		1707	663
7.954		982	332
8.104		1437	490
8.198		2099	1176
8.299		1418	763
8.353		1350	366
8.461		1812	453
8.624		1524	518
8.691		2446	824

LANCASTER LABORATORIES

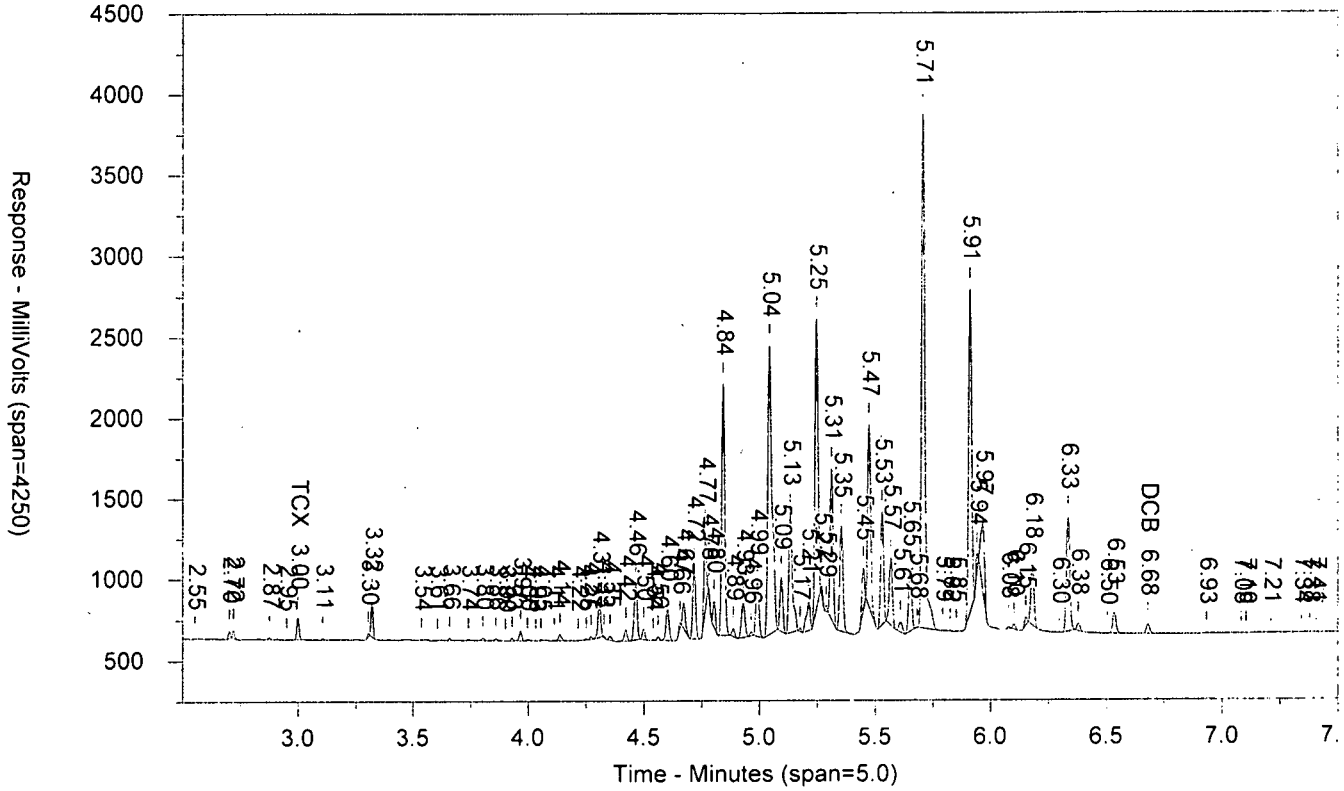
Sample Number: 9197314 CAF DF100 AET1-8W T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:44:10 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0065.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.526		9851	10565
1.833		5573	4023
1.958		7025	5354
1.993		57222	38679
2.03		11126	32654
2.147		2869	4421
2.269		6126	7529
2.347		33118	35340
2.401		51992	35565
2.51		1198	589
2.529		11100	5754
2.632		1740	1438
2.652	TCX	135357	81982
2.734		2303	1851
2.821		11187	7088
2.948		232017	173456
3.073		2337	1354
3.144		5824	9336
3.217		4471	3194
3.24		3246	1850
3.269		7050	8641
3.303		17125	14314
3.362		7286	4361
3.392		1618	919
3.424		2938	3521
3.465		11646	14753
3.533		14991	10055
3.565		15220	8690
3.59		67851	45008
3.623		11725	8254
3.693		11443	9853
3.737		11565	7799
3.767		39767	26808
3.821		10418	8750
3.868		27971	28839
3.916		233104	178583
3.942		7876	4243
3.962		15448	7854
3.981		76823	49032
4.017		336175	234002
4.049		60243	34951
4.066		44862	23120
4.13		14040	16145
4.154		116324	125445
4.183		6628	7474
4.22		101351	69159
4.263		156940	101584
4.281		156291	82285
4.295		448522	240932
4.32		271926	275794
4.373		1602557	1225807
4.415		52946	52517
4.443		106618	70196
4.468		441626	318754

4.511		2140665	1701281
4.614		1541496	1503753
4.667		239549	199372
4.706		517344	450597
4.742		2201177	1851546
4.775		1130693	806480
4.814		826974	648616
4.871		4396	2105
4.885		4772	2112
4.914		214613	153345
4.931		37374	20490
4.965		1451358	1140672
4.989		217653	135536
5.039		816792	721634
5.075		413294	326962
5.105		298539	239633
5.137		58706	34530
5.159		3535478	2927636
5.201		65987	46453
5.232		103871	82775
5.27		5544	4284
5.296		4572	3133
5.351		27697	17176
5.374		599602	497767
5.418		2047623	2330241
5.574		34580	29433
5.619		55336	43867
5.642		14308	8986
5.664		4340	2129
5.691		343566	291395
5.799		676781	600835
5.83		36557	25370
5.999		136191	126671
6.158	DCB	62534	58807
6.36		6494	6698
6.599		7635	6909
7.144		1268	2056
7.883		1282	1400
8.207		2288	3818
8.293		9086	20240

9197314 CAF DF100 AET1-8W T 172510040A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250007.0065.RAW



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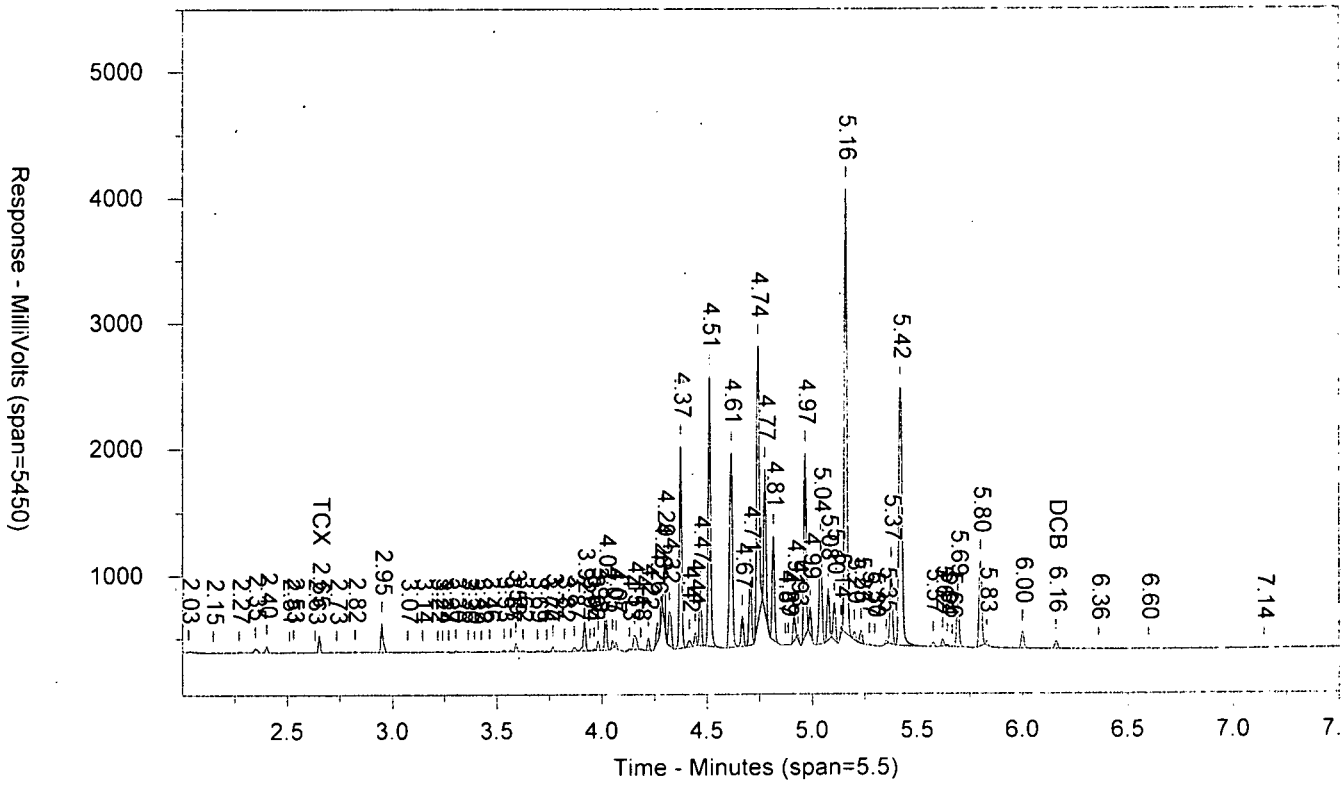

LANCASTER LABORATORIES

Sample Number: 9197314 CAF DF100 AET1-8W T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:44:10 PM Sample Weight: 10.2
Instrument ID: CP7-19843A Dilution Factor: 1000
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	134404	34.813	TCX	2.652	135357	34.147	TCX
6.681	57755	41.949	DCB	6.158	62534	38.485	DCB

Files:
Area File: 07pcbs17250007.0065.RAW
Area File: 07pcbs17250007B.0065.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 8:52:55 PM
File Reported On: 9/15/2017 at 8:53:01 PM

9197314 CAF DF100 AET1-8W T 172510040A 10225 SW-846 8082

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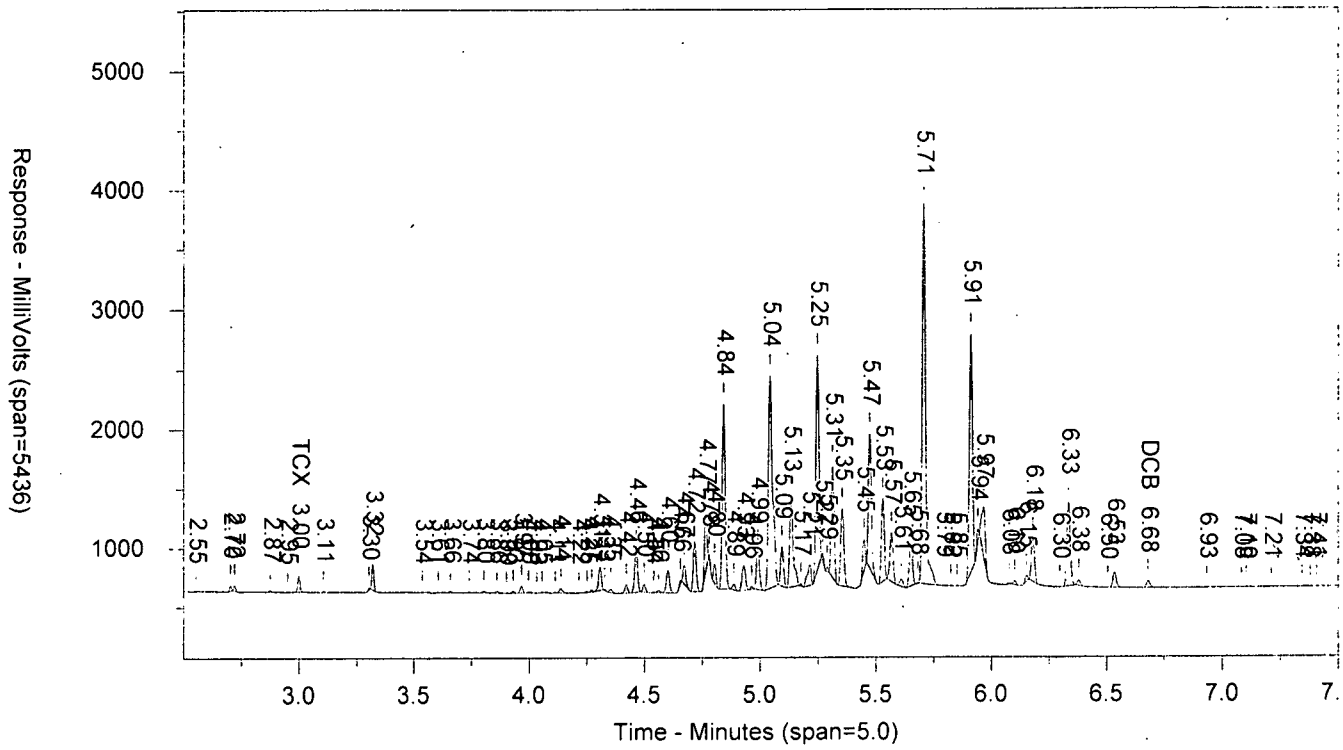

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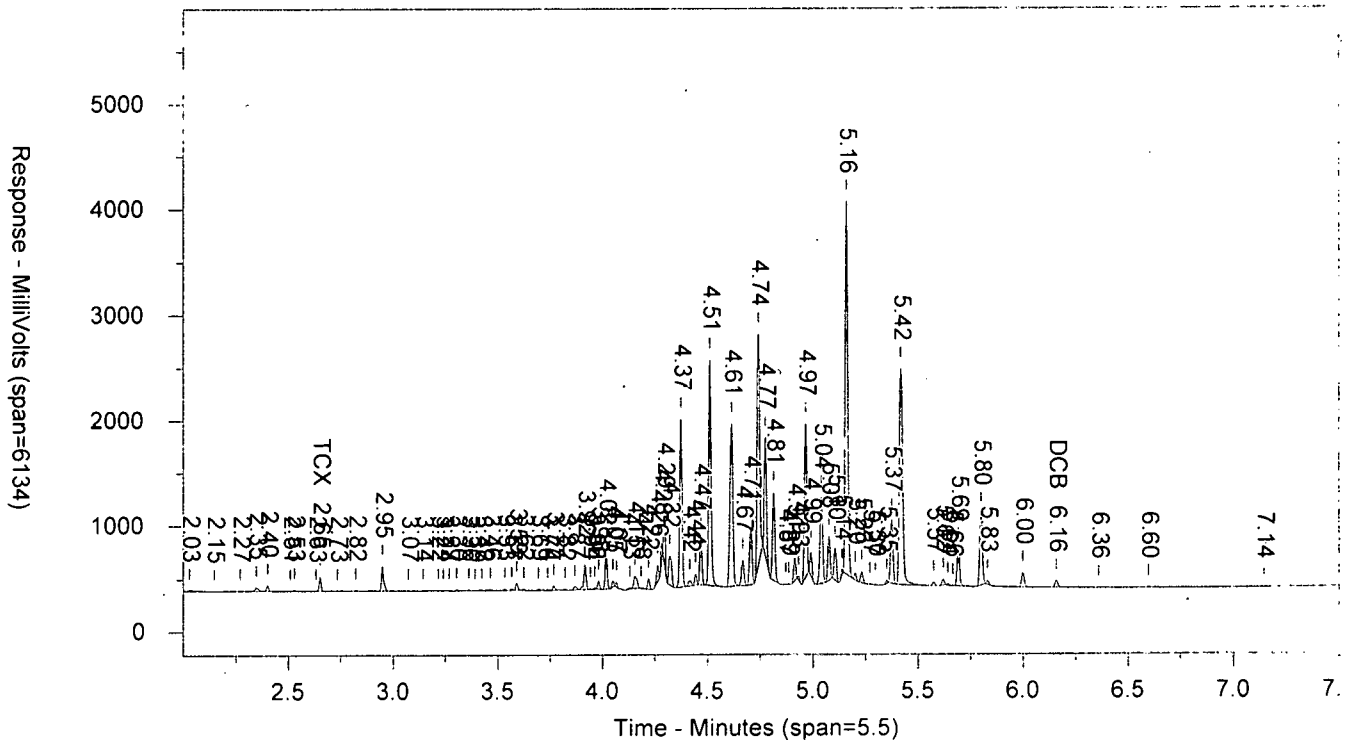

9197314 CAF DF100 AET1-8W T 172510040A 10225 SW-846 8082

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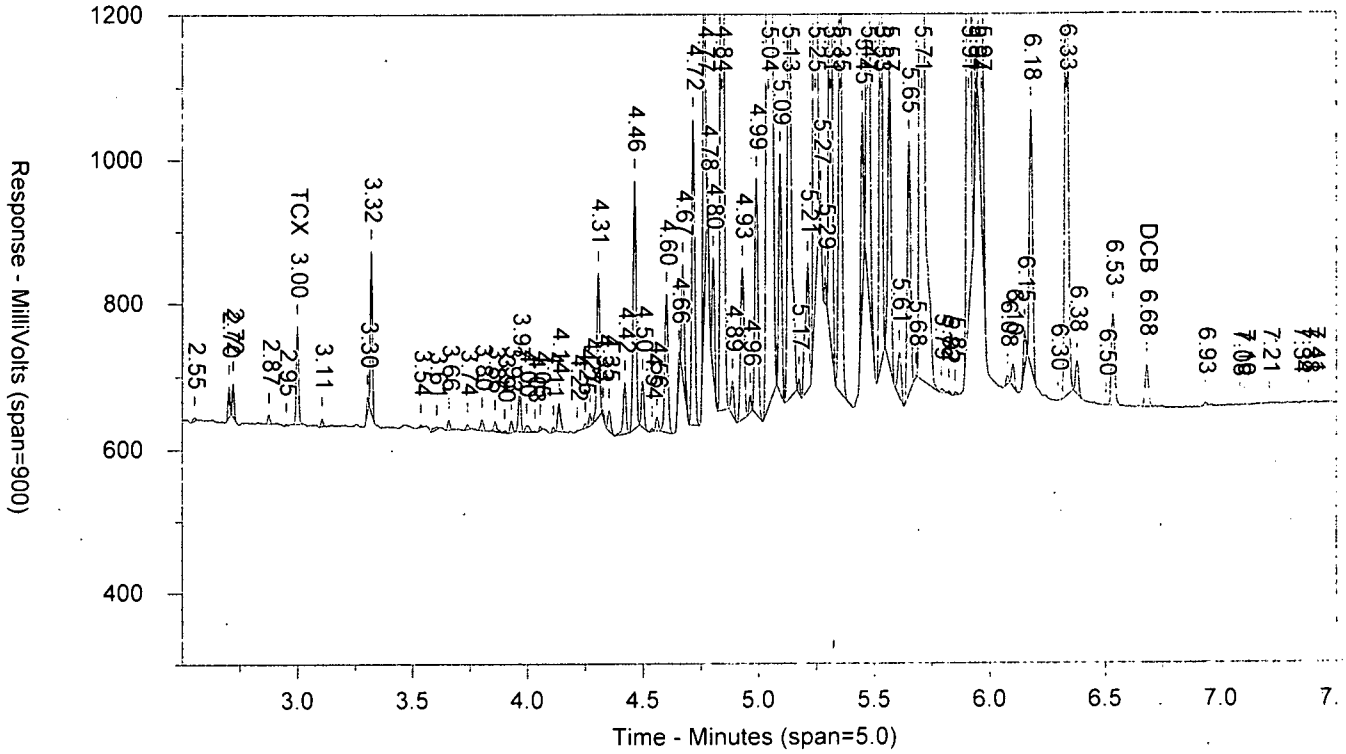

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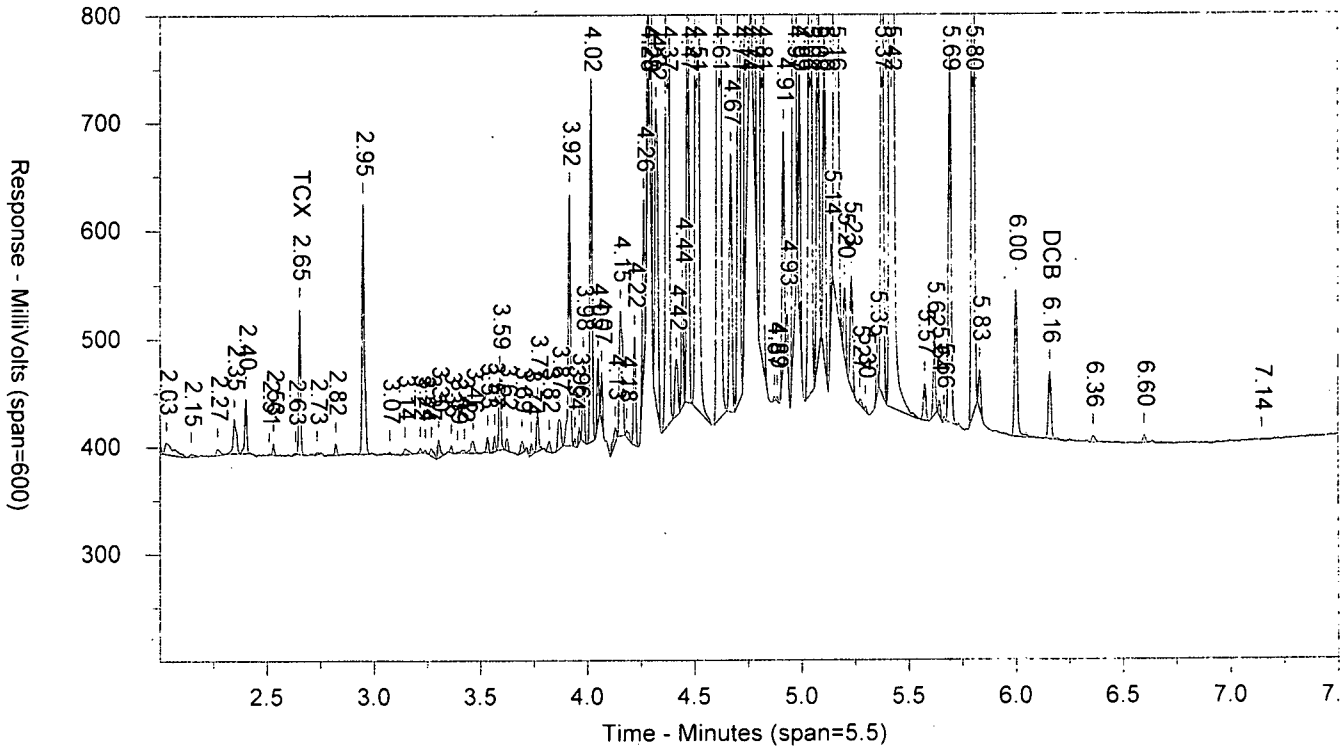

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Data Summary

Sample Name: 9197315 CAF T1-8E Sample ID: AD **Batchnumber: 172510040A**
Sample Amount: 10.25 g Total Volume: 10 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 20:55:43
Instrument	19843A
Result file	07PCBS17250007.0066.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 102% (61 - 152) Conc: 30.42294
%SSR(DCB) 102% (48 - 164) Conc: 27.06667

Analysis Report (B)

Injected on	Sep 15, 2017 20:55:43
Instrument	19843B
Result file	07PCBS17250007B.0066.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 106% (61 - 152) Conc: 31.49977
%SSR(DCB) 101% (48 - 164) Conc: 26.73811

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	11803050	30.42294
Decachlorobiphenyl	6.65	6.68	6.71	3744764	27.06667

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	12547560	31.49977
Decachlorobiphenyl	6.13	6.16	6.19	4365980	26.73811

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	31.49977				3.48	
☑	Tetrachloro-m-xylene-D1	A	30.42294					
☑	Tetrachloro-m-xylene-D2	B	31.49977					
☐	Decachlorobiphenyl	A	27.06667				1.22	
☑	Decachlorobiphenyl-D1	A	27.06667					
☑	Decachlorobiphenyl-D2	B	26.73811					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.84**	
4.82	4.84	4.86	414495.9	27.784516			1
5.02	5.04	5.06	504466.7	34.449572			2
5.23	5.25	5.27	545118.4	39.231061			3
5.45	5.47	5.49	318119.8	39.535473			4
5.69	5.71	5.73	784964.9	39.83572			5
5.89	5.91	5.93	584941.3	45.391885			6

Height summation: **3152107**
Concentration CF: **37.704705** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.60**	
4.35	4.37	4.39	418320.7	27.384128			1
4.49	4.51	4.53	568215.4	32.425774			2
4.60	4.61	4.64	395986.7	27.946574			3
4.72	4.74	4.76	639692.8	37.411578			4
5.14	5.16	5.18	896481.1	40.60843			5
5.40	5.42	5.44	556560.5	42.572381			6

Height summation: **3475257.2**
Concentration CF: **34.724811** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49.7561	<9.6585	D1		4	
☑	PCB-1221			<49.7561	<14.9268	D1		3	
☑	PCB-1232			<49.7561	<12	D1		4	
☑	PCB-1242			<49.7561	<12	D1		4	
☑	PCB-1248			<49.7561	<9.6585	D1		4	
☑	PCB-1254			<49.7561	<12.878	D1		4	
☑	PCB-1260	A	37.704705	<49.7561	11.4146	JD1	8.23	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:46

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197315** CAF T1-8E ID: AD **Batchnumber: 172510040A**
Sample Amount: 10.25 g Total Volume: 10 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:55:43
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0066.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 30.42294
%SSR(DCB) : 102% (48-164) Conc.: 27.06667

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**42.15**	
3.23	3.25	3.27	6103.514	0.90575			1
3.45	3.46	3.49	2446.416	0.354677			2
+ 3.74	3.75	3.78	1700.32	0.211212			4
3.74	3.76	3.78	3518.392	0.437051			4
3.78	3.80	3.82	6357.652	0.672919			5
3.91	3.93	3.95	5855.325	1.010355			6
Height Summation:			**24281.299**				
Amount Avg CF:			**0.67615**	Linear:			
Aroclor-1221					**2**	**135.92**	
3.18	3.20	3.22	100960.4	35.376353			2
3.23	3.25	3.27	6103.514	0.702159			3
Height Summation:			**107063.914**				
Amount Avg CF:			**18.039256**	Linear:			
Aroclor-1232					**5**	**58.22**	
3.23	3.25	3.27	6103.514	0.772044			1
3.45	3.46	3.49	2446.416	0.741069			2
+ 3.74	3.75	3.78	1700.32	0.458225			4
3.74	3.76	3.78	3518.392	0.948184			4
3.78	3.80	3.82	6357.652	1.372958			5
3.91	3.93	3.95	5855.325	2.51187			6
Height Summation:			**24281.299**				
Amount Avg CF:			**1.269225**	Linear:			
Aroclor-1242					**5**	**45.70**	
3.23	3.25	3.27	6103.514	0.676458			1
3.45	3.46	3.49	2446.416	0.269708			2
+ 3.74	3.75	3.78	1700.32	0.142722			4
3.74	3.76	3.78	3518.392	0.295327			4
3.78	3.80	3.82	6357.652	0.48648			5
3.91	3.93	3.95	5855.325	0.793809			6
Height Summation:			**24281.299**				
Amount Avg CF:			**0.504356**	Linear:			
Aroclor-1248					**6**	**78.30**	
3.78	3.80	3.82	6357.652	1.365062			1
3.84	3.86	3.88	5088.052	1.026956			2
3.91	3.93	3.95	5855.325	0.709767			3
4.03	4.05	4.07	2513.1	0.269782			4
4.12	4.14	4.16	11541.11	1.431			5
4.30	4.31	4.34	28765.3	3.339117			6
+ 4.30	4.33	4.34	7768.241	0.901748			6
Height Summation:			**60120.539**				
Amount Avg CF:			**1.356947**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:55:43
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0066.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 106% (61-152) Conc.: 31.49977
%SSR(DCB) : 101% (48-164) Conc.: 26.73811

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**145.49**	
2.92	2.95	2.96	62953.09	9.131844			1
3.12	3.16	3.16	6331.273	0.72213			2
3.25	3.26	3.29	3737.894	0.431326			3
3.40	3.42	3.44	5506.885	0.592904			4
3.44	3.47	3.48	5236.972	0.600323			5
3.57	3.59	3.61	18927.99	2.634224			6
Height Summation:			**102694.104**				
Amount Avg CF:			**2.352125**	Linear:			
Aroclor-1221					**3**	**114.83**	
2.80	2.82	2.84	13876.51	3.695552			1
2.86	2.87	2.90	84482.22	35.868713			2
2.92	2.95	2.96	62953.09	6.799581			3
Height Summation:			**161311.82**				
Amount Avg CF:			**15.454615**	Linear:			
Aroclor-1232					**6**	**95.75**	
2.92	2.95	2.96	62953.09	7.464147			1
3.12	3.16	3.16	6331.273	1.430282			2
3.25	3.26	3.29	3737.894	0.873049			3
3.40	3.42	3.44	5506.885	1.28838			4
3.44	3.47	3.48	5236.972	1.203162			5
3.57	3.59	3.61	18927.99	6.265448			6
Height Summation:			**102694.104**				
Amount Avg CF:			**3.087412**	Linear:			
Aroclor-1242					**6**	**137.83**	
2.92	2.95	2.96	62953.09	6.603523			1
3.12	3.16	3.16	6331.273	0.817794			2
3.25	3.26	3.29	3737.894	0.329985			3
3.40	3.42	3.44	5506.885	0.408329			4
3.44	3.47	3.48	5236.972	0.433723			5
3.57	3.59	3.61	18927.99	2.083923			6
Height Summation:			**102694.104**				
Amount Avg CF:			**1.779546**	Linear:			
Aroclor-1248					**6**	**80.97**	
3.44	3.47	3.48	5236.972	1.310735			1
3.51	3.53	3.55	5234.755	0.955736			2
3.55	3.57	3.59	5621.037	0.595969			3
3.67	3.69	3.71	4580.03	0.403878			4
3.76	3.77	3.80	11307.43	1.442021			5
3.90	3.92	3.94	51580.09	3.458009			6
Height Summation:			**83560.314**				
Amount Avg CF:			**1.361058**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197315** CAF T1-8E ID: AD **Batchnumber: 172510040A**
Sample Amount: 10.25 g Total Volume: 10 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 20:55:43
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0066.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	126.50	
4.29	4.31	4.32	28765.3	3.096724			1
+ 4.63	4.66	4.67	10587.5	1.074735			2
4.63	4.67	4.67	44928.3	4.560661			2
4.69	4.72	4.73	124800.1	5.988197			3
4.91	4.93	4.95	60097.11	4.717226			4
5.11	5.13	5.15	193664.4	26.567836			5
5.23	5.25	5.27	545118.4	56.926681			6
Height Summation:			997373.61				
Amount Avg CF:			16.976221	Linear:			
Aroclor-1260					6	15.84	
4.82	4.84	4.86	414495.9	27.784516			1
5.02	5.04	5.06	504466.7	34.449572			2
5.23	5.25	5.27	545118.4	39.231061			3
5.45	5.47	5.49	318119.8	39.535473			4
5.69	5.71	5.73	784964.9	39.83572			5
5.89	5.91	5.93	584941.3	45.391885			6
Height Summation:			3152107				
Amount Avg CF:			37.704705	Linear:			
Aroclor-1262					6	26.85	
5.29	5.31	5.33	288055.2	24.129467			1
5.45	5.47	5.49	318119.8	29.975645			2
5.69	5.71	5.73	784964.9	33.7095			3
5.89	5.91	5.93	584941.3	36.803611			4
5.95	5.97	5.99	123733	15.472356			5
6.31	6.33	6.35	221161.6	30.841997			6
Height Summation:			2320975.8				
Amount Avg CF:			28.488763	Linear:			
Aroclor-1268					6	82.48	
5.89	5.91	5.93	584941.3	20.516086			1
5.95	5.97	5.99	123733	5.018694			2
6.08	6.10	6.12	151724.1	6.412643			3
6.14	6.16	6.18	88960.49	14.320761			4
+ 6.14	6.18	6.18	64075.54	10.314809			4
6.31	6.33	6.35	221161.6	30.333005			5
6.51	6.54	6.55	99813.96	2.079925			6
Height Summation:			1270334.45				
Amount Avg CF:			13.113519	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 20:55:43
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0066.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	114.90	
4.20	4.22	4.24	24756.23	2.092818			1
+ 4.26	4.26	4.30	38870.8	1.85845			2
+ 4.26	4.28	4.30	44809.71	2.142395			2
4.26	4.29	4.30	129979	6.214419			2
4.35	4.37	4.39	418320.7	42.579334			3
4.42	4.44	4.46	35053.97	2.713378			4
4.64	4.67	4.68	67416	7.412167			5
4.72	4.74	4.76	639692.8	44.389896			6
Height Summation:			1315218.7				
Amount Avg CF:			17.567002	Linear:			
Aroclor-1260					6	18.60	
4.35	4.37	4.39	418320.7	27.384128			1
4.49	4.51	4.53	568215.4	32.425774			2
4.60	4.61	4.64	395986.7	27.946574			3
4.72	4.74	4.76	639692.8	37.411578			4
5.14	5.16	5.18	896481.1	40.60843			5
5.40	5.42	5.44	556560.5	42.572381			6
Height Summation:			3475257.2				
Amount Avg CF:			34.724811	Linear:			
Aroclor-1262					6	25.02	
4.76	4.77	4.80	316328.4	18.920346			1
4.95	4.96	4.99	384312.4	24.701544			2
5.14	5.16	5.18	896481.1	31.228677			3
5.36	5.37	5.40	172141.2	16.57962			4
5.40	5.42	5.44	556560.5	31.778482			5
5.78	5.80	5.82	194237.4	25.913422			6
Height Summation:			2520061				
Amount Avg CF:			24.853682	Linear:			
Aroclor-1268					6	75.42	
5.36	5.37	5.40	172141.2	5.786779			1
5.40	5.42	5.44	556560.5	19.513552			2
5.56	5.57	5.60	126890	5.321341			3
5.62	5.64	5.66	136020.5	23.432647			4
5.78	5.80	5.82	194237.4	23.760958			5
5.98	6.00	6.02	104854.8	1.863833			6
Height Summation:			1290704.4				
Amount Avg CF:			13.279852	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.7561	9.6585		** 110.69	4	40	
Aroclor-1221			49.7561	14.9268		15.43	3	40	
Aroclor-1232			49.7561	12		** 83.47	4	40	
Aroclor-1242			49.7561	12		** 111.67	4	40	
Aroclor-1248			49.7561	9.6585		0.30	4	40	
Aroclor-1254			49.7561	12.878		3.42	4	40	
Aroclor-1260			49.7561	11.4146		8.23	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197315** CAF T1-8E ID: AD **Batchnumber: 172510040A**
Sample Amount: 10.25 g Total Volume: 10 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 15, 2017 20:55:43
Instrument	: CP 7--19843A
Result file	: 07PCBS17250007.0066.RAW
Calibration file	: 07PCBS1725001.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Sep 15, 2017 20:55:43
Instrument	: CP 7--19843B
Result file	: 07PCBS17250007B.0066.RAW
Calibration file	: 07PCBS1725001B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			49.7561	9.6585		13.63	4	40	
Aroclor-1268			49.7561	9.6585		1.26	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197315 CAF ADT1-8E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:55:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0066.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.534		3548	2821
1.587		17033	37217
1.642		25880	33261
1.669		18474	21120
1.799		16987	19231
1.823		11091	7785
1.848		1949	776
1.907		3003	1528
1.97		4818	4747
2.112		18906	40198
2.147		23325	29789
2.177		16526	16001
2.202		12954	10871
2.27		12902	8964
2.295		35927	29603
2.391		31443	24764
2.435		8050	8390
2.48		6131	4111
2.551		18826	20267
2.576		16993	21801
2.67		9049	6727
2.703		14814	8764
2.721		9059	5804
2.759		10672	9157
2.823		2495	1326
2.849		9125	7209
2.875		6137	4376
2.931		10637	7383
2.955		6657	5717
2.999	TCX	11803050	7542080
3.106		22219	21190
3.178		3558	1886
3.197		100960	61795
3.254		6104	8004
3.3		8985	4069
3.32		69320	63013
3.424		2667	1716
3.456		2446	2141
3.505		2201	1555
3.552		2080	1229
3.661		6725	5317
3.749		1700	1631
3.762		3518	1882
3.801		6358	5928
3.837		1740	458
3.859		5088	3872
3.905		1826	750
3.93		5855	4456
3.966		17108	11459
4.001		7835	12842
4.055		2513	1519
4.112		3232	1985
4.138		11541	11125

RT A	Compound A	Height A	Area A
4.215		1888	808
4.25		8588	6510
4.271		3673	1856
4.307		28765	24180
4.329		7768	5376
4.357		10566	11734
4.421		16957	17936
4.464		86115	76194
4.498		15836	12958
4.54		2154	820
4.603		51644	49382
4.656		10588	6201
4.673		44928	40779
4.717		124800	108223
4.765		191868	207081
4.803		33264	22283
4.843		414496	389803
4.887		14060	11843
4.93		60097	62574
4.966		20861	14743
4.99		104785	92112
5.043		504467	629295
5.094		95063	81981
5.134		193664	215238
5.176		5582	3414
5.21		77962	91815
5.246		545118	509929
5.269		15835	7020
5.29		11081	4449
5.312		288055	261713
5.355		183255	170757
5.418		10098	8069
5.45		71317	56168
5.474		318120	277682
5.53		203603	182646
5.569		113740	112311
5.611		42455	46003
5.652		107470	118328
5.709		784965	707412
5.731		40821	24518
5.808		6754	4551
5.827		7399	4374
5.849		5044	3600
5.878		5836	3960
5.911		584941	560986
5.944		18228	17831
5.967		123733	141269
6.009		2975	1898
6.101		151724	166443
6.164		88960	67066
6.181		64076	37317
6.335		221162	217428
6.379		12558	11339
6.412		1375	733
6.536		99814	99433
6.683	DCB	3744764	3740551
6.805		2307	1081
6.877		1456	512
7.079		1642	1558
7.149		1877	1508
7.168		2385	1811
7.233		1542	367
7.28		2150	1356
7.305		1992	442
7.567		1395	1134
7.615		1436	486

RT A	Compound A	Height A	Area A
7.705		1434	570
7.737		1905	837
7.747		2139	1174
7.86		7286	9403
7.909		1314	368
8.041		1590	813
8.063		1468	597
8.41		1713	848
8.503		1734	571
8.567		2013	1730

LANCASTER LABORATORIES

Sample Number: 9197315 CAF ADT1-8E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:55:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0066.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.508		6779	4604
1.552		11216	9882
1.563		13992	15010
1.59		16946	28054
1.667		6219	9393
1.768		5881	6473
1.831		2357	1239
1.847		2967	1983
1.868		7627	9874
1.91		15312	12808
1.966		44723	51892
1.992		10746	7807
2.027		15361	22274
2.071		11024	7811
2.091		14490	8124
2.15		3677	2077
2.172		14641	14372
2.221		6035	10490
2.27		19544	17925
2.347		6002	2609
2.366		10633	7049
2.4		9850	5800
2.463		12975	10394
2.515		2624	2506
2.555		10846	8333
2.606		3081	2910
2.652	TCX	12547560	7606222
2.736		9533	9656
2.821		13877	10999
2.85		4863	3055
2.87		84482	48859
2.91		6162	4358
2.948		62953	55121
2.986		25002	20454
3.033		4069	2846
3.076		4792	4286
3.111		2613	1817
3.156		6331	9942
3.215		2077	2170
3.24		3683	2775
3.264		3738	4033
3.313		4716	6099
3.348		2809	1422
3.392		3863	2471
3.422		5507	5736
3.466		5237	5365
3.53		5235	3714
3.566		5621	3265
3.59		18928	13018
3.623		5383	4034
3.651		2468	2509
3.693		4580	3273
3.714		5850	4792
3.737		6014	4214

3.766		11307	9431
3.873		9481	11040
3.916		51580	41583
3.981		27714	23920
4.017		82177	56336
4.05		13201	7627
4.065		10900	5993
4.115		3490	1927
4.153		25322	27639
4.193		6062	3934
4.219		24756	15992
4.262		38871	27015
4.281		44810	23219
4.294		129979	71158
4.319		73245	68213
4.373		418321	331635
4.414		15331	16609
4.443		35054	22538
4.468		121275	83404
4.511		568215	451508
4.613		395987	387558
4.666		67416	55500
4.706		143599	140948
4.742		639693	536685
4.775		316328	233932
4.813		219348	179068
4.87		11875	7701
4.889		4224	2443
4.913		52273	36943
4.965		384312	306230
4.989		59114	39523
5.039		241809	220161
5.075		117150	91954
5.106		98243	80523
5.137		14346	8085
5.16		896481	792593
5.199		13686	8385
5.232		112411	97031
5.276		10165	8873
5.33		12407	10305
5.351		6191	3035
5.374		172141	142834
5.418		556561	636755
5.477		10976	10360
5.575		126890	106648
5.62		9915	6030
5.643		136021	110081
5.692		123796	104358
5.732		5009	4719
5.799		194237	169431
5.83		8477	5890
5.999		104855	92955
6.159	DCB	4365980	4183668
6.996		1820	2784
7.073		20442	31793
7.746		1267	1010
8.299		8179	12414

9197315 CAF ADT1-8E T 172510040A 10225 SW-846 8082

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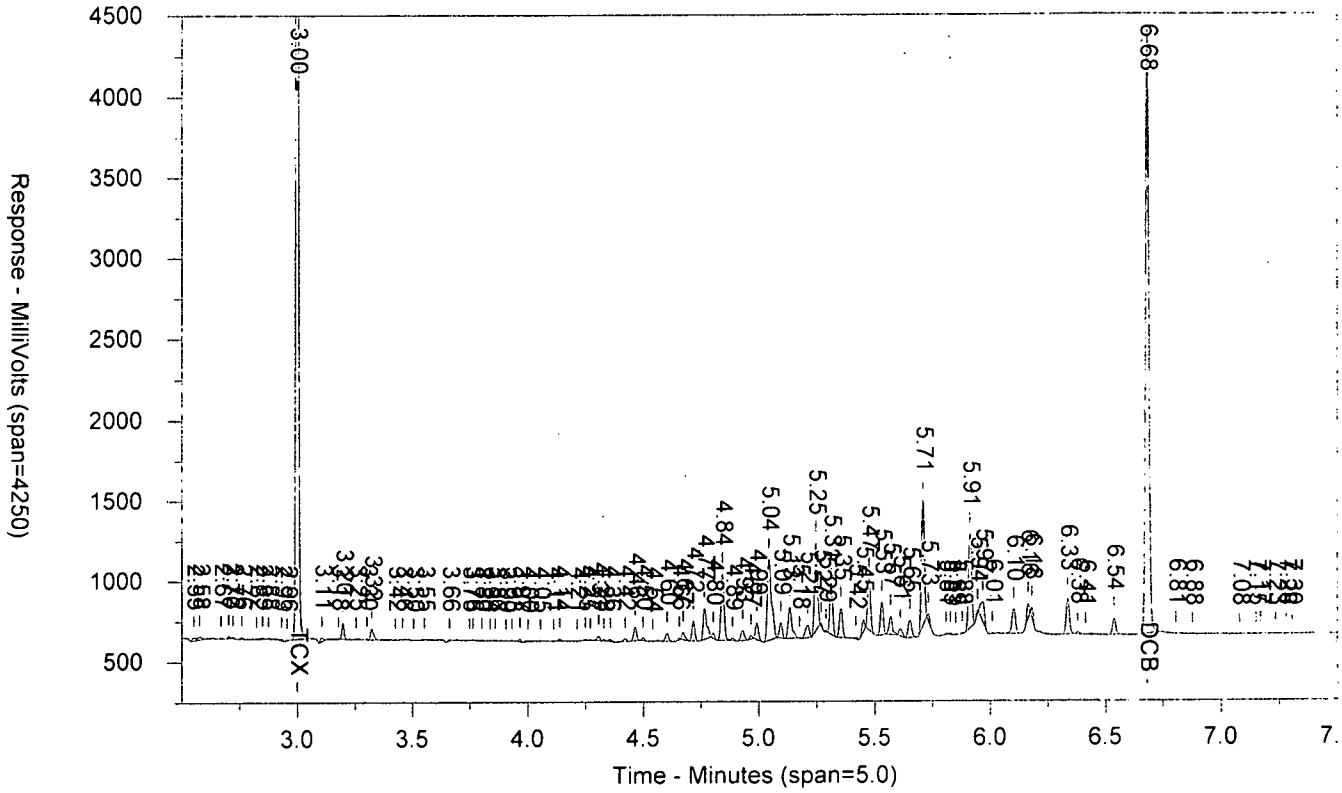

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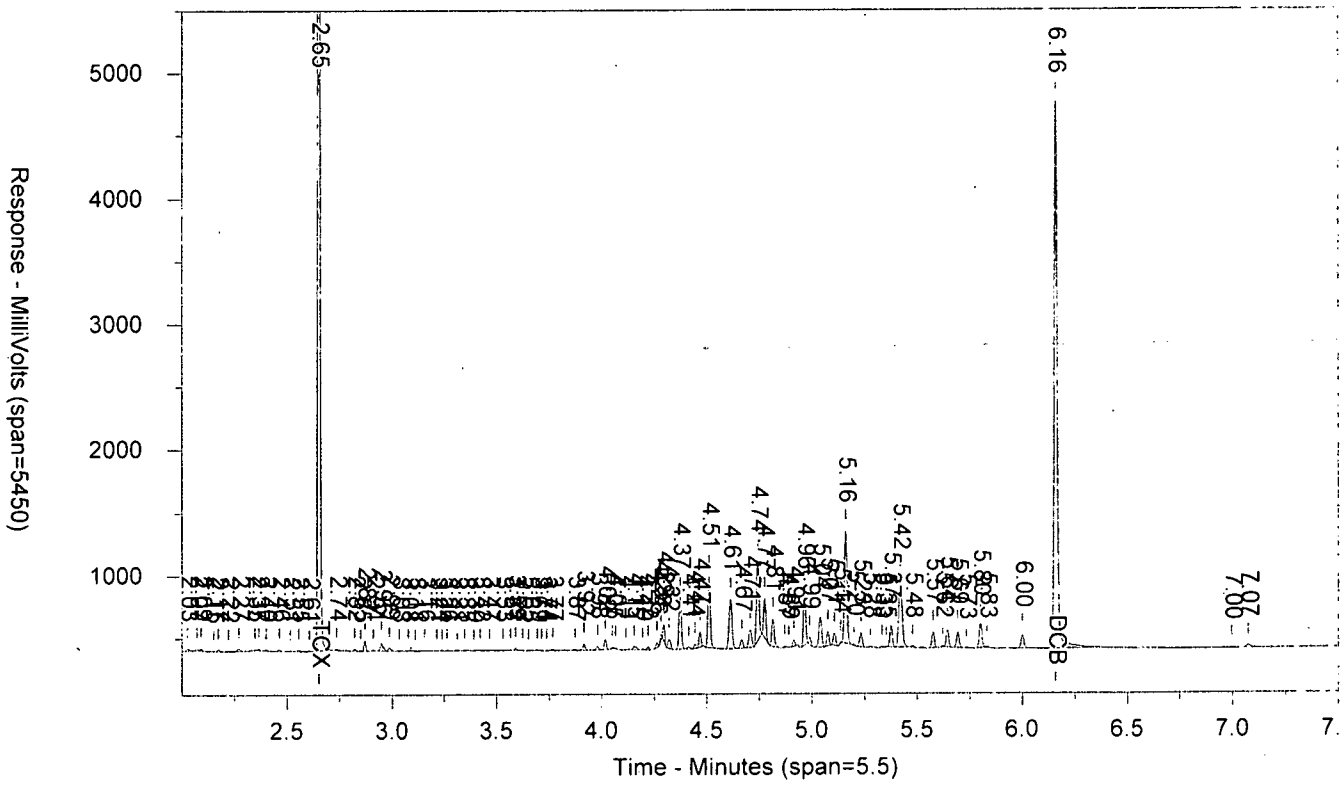

LANCASTER LABORATORIES

Sample Number: 9197315 CAF ADT1-8E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 8:55:43 PM Sample Weight: 10.25
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound I
2.999	11803050	30.423	TCX	2.652	12547560	31.5	TCX
6.683	3744764	27.067	DCB	6.159	4365980	26.738	DCB

Files:
Area File: 07pcbs17250007.0066.RAW
Area File: 07pcbs17250007B.0066.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 9:04:26 PM
File Reported On: 9/15/2017 at 9:04:33 PM

9197315 CAF ADT1-8E T 172510040A 10225 SW-846 8082

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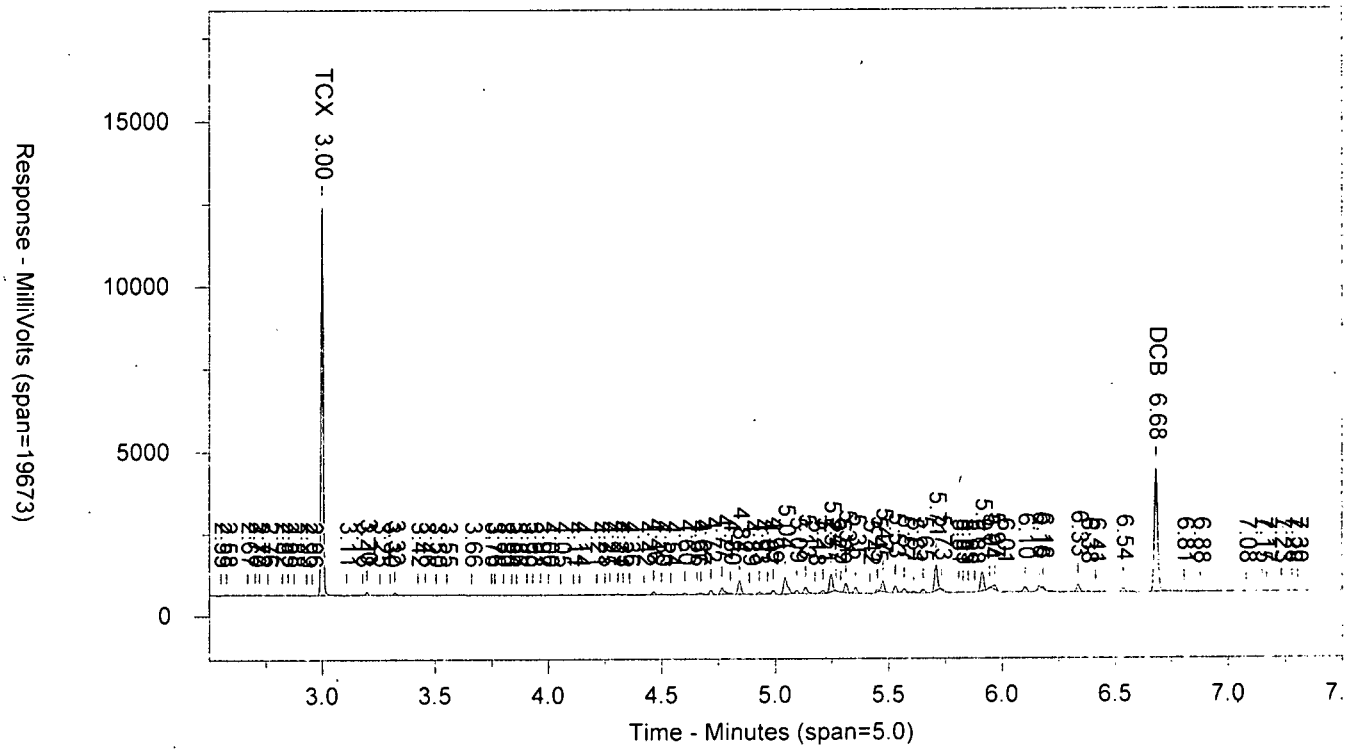

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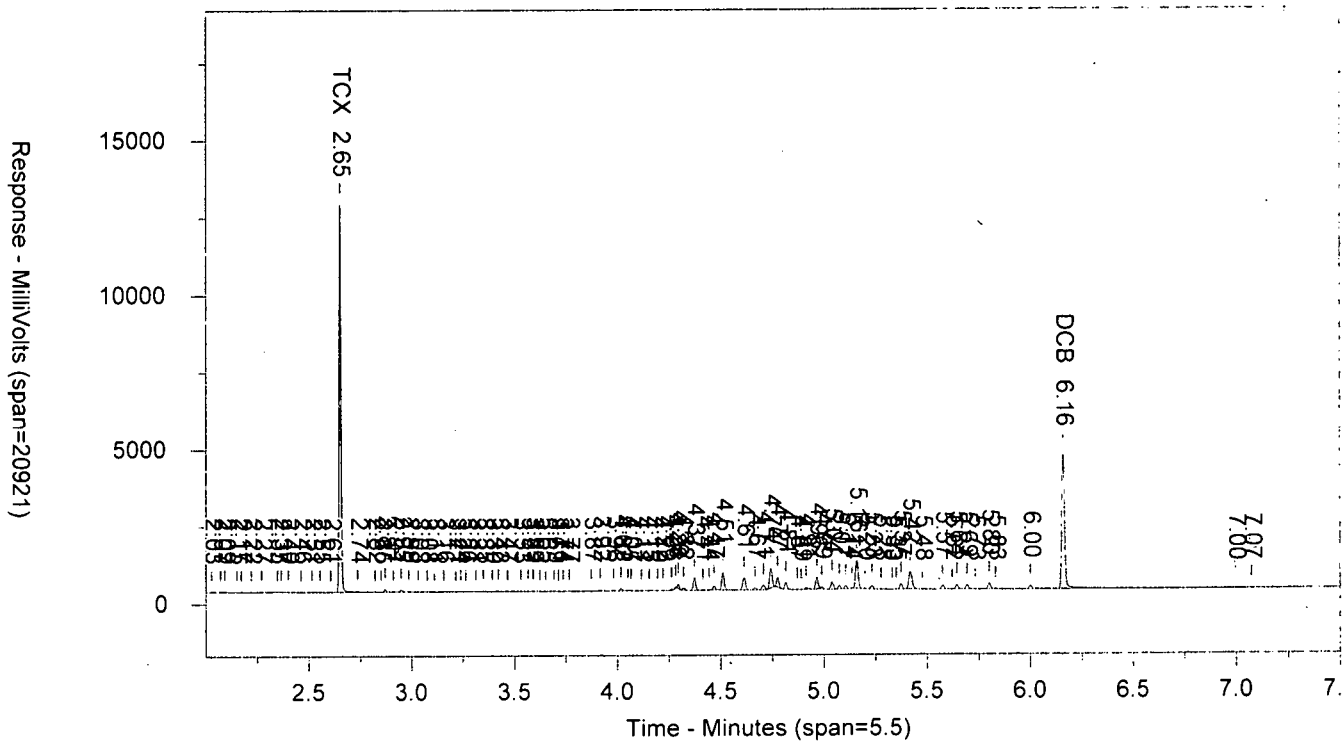

9197315 CAF ADT1-8E T 172510040A 10225 SW-846 8082

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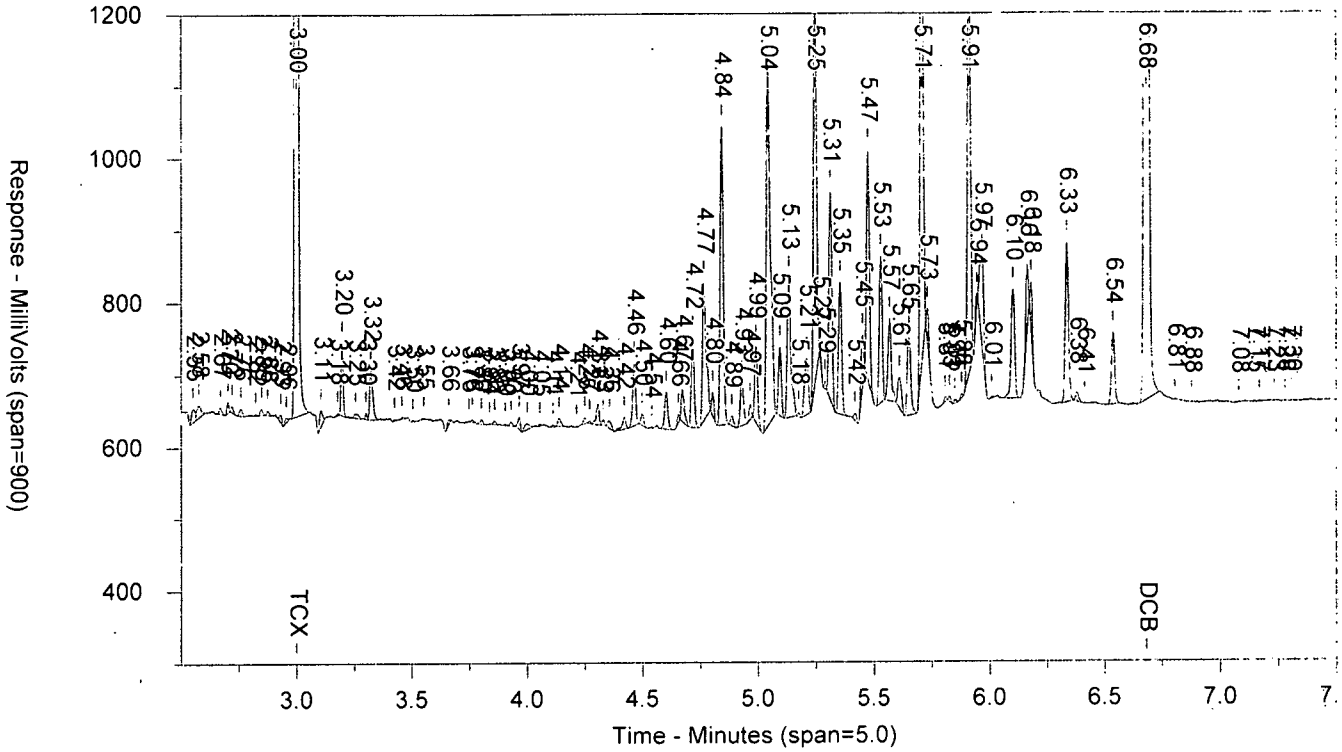

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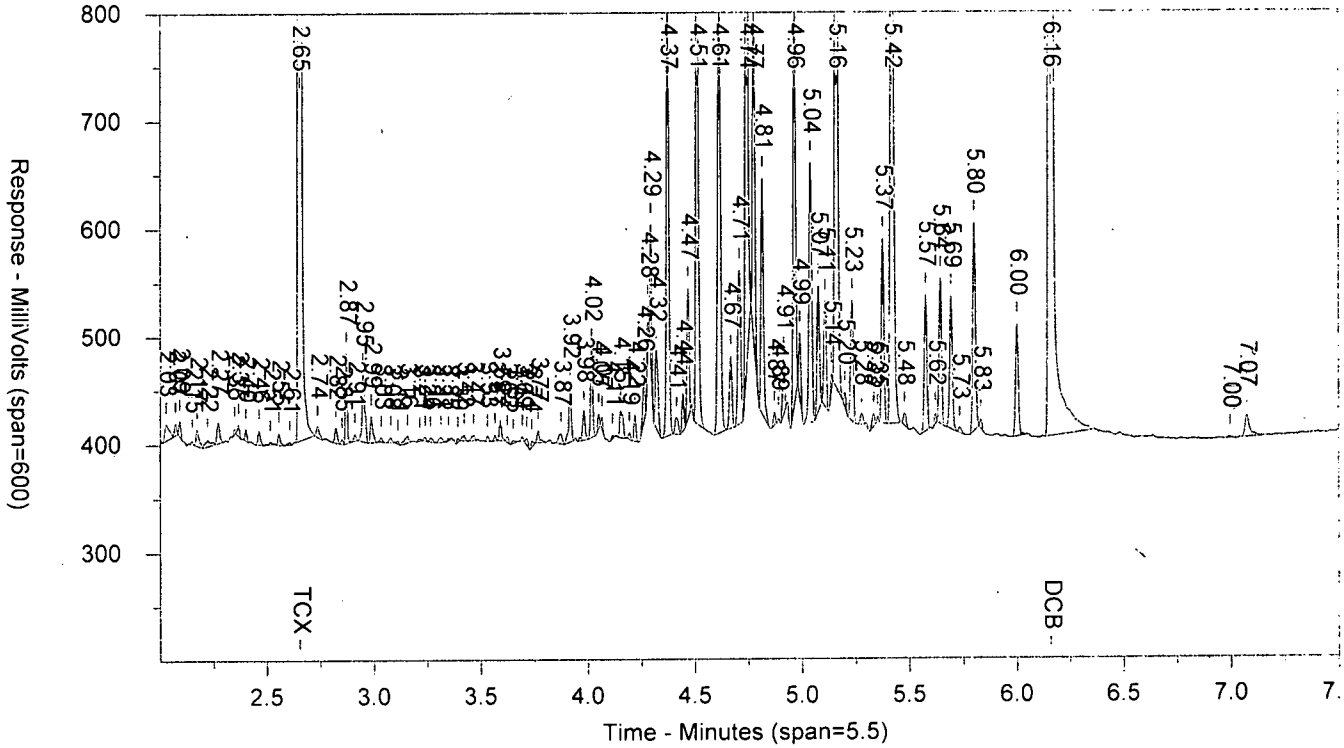

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9197316 CAF DF50 T1-9W Sample ID: AF **Batchnumber: 172510040A**
Sample Amount: 10.34 g Total Volume: 500 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 19:50:42
Instrument	19843A
Result file	07PCBS17250009.0010.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 100% (61 - 152) Conc: 29.5583
%SSR(DCB) 132% (48 - 164) Conc: 34.65185

Analysis Report (B)

Injected on	Sep 18, 2017 19:50:42
Instrument	19843B
Result file	07PCBS17250009B.0010.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 29.36338
%SSR(DCB) 116% (48 - 164) Conc: 30.40673

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	231366	29.5583
Decachlorobiphenyl	6.65	6.68	6.71	96726	34.65185

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	235985	29.36338
Decachlorobiphenyl	6.13	6.16	6.19	100172	30.40673

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	29.5583				0.66	
☑	Tetrachloro-m-xylene-D1	A	29.5583					
☑	Tetrachloro-m-xylene-D2	B	29.36338					
☐	Decachlorobiphenyl	A	34.65185				13.05	
☑	Decachlorobiphenyl-D1	A	34.65185					
☑	Decachlorobiphenyl-D2	B	30.40673					

Multiple Component Data

Aroclor-1260 — %RSD **12.66**

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.82	4.84	4.86	1910946	6348.985716			1
5.02	5.04	5.06	2410150	8157.718812			2
5.23	5.25	5.27	2441109	8707.624901			3
5.45	5.47	5.49	1447770	8918.034395			4
5.69	5.71	5.73	3727263	9375.313545			5
5.89	5.91	5.93	2210136	8500.770006			6

Height summation: **14147374**
Concentration CF: **8334.741229** L:

Aroclor-1260 — %RSD **15.53**

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.35	4.37	4.39	2149232	6973.425835			1
4.49	4.51	4.53	2930088	8287.648864			2
4.60	4.61	4.64	2077544	7267.273936			3
4.72	4.74	4.76	3040450	8813.446208			4
5.14	5.16	5.18	4575581	10272.937437			5
5.40	5.42	5.44	2591421	9824.871174			6

Height summation: **17364316**
Concentration CF: **8573.267242** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2466.151	<478.7234	D1		4	
☑	PCB-1221			<2466.151	<739.8453	D1		3	
☑	PCB-1232			<2466.151	<594.7776	D1		4	
☑	PCB-1242			<2466.151	<594.7776	D1		4	
☑	PCB-1248			<2466.151	<478.7234	D1		4	
☑	PCB-1254			<2466.151	<638.2979	~~D1~~ D2		4	
☑	PCB-1260	B	8573.267242	2466.151	565.764	D2	2.82	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 19 2017

Reviewed and digitally signed by Kirby B Turner on 9/19/2017 11:54:22

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9197316 CAF DF50 T1-9W Sample ID: AF **Batchnumber: 172510040A**
Sample Amount: 10.34 g Total Volume: 500 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 19:50:42
Instrument : CP 7--19843A
Result file : 07PCBS17250009.0010.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 100% (61-152) Conc.: 29.5583
%SSR(DCB) : 132% (48-164) Conc.: 34.65185

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**109.28**	
3.56	3.60	3.60	3354.314	20.219395			3
3.74	3.76	3.78	1808.131	11.132455			4
3.78	3.80	3.82	7193.178	37.736394			5
3.91	3.93	3.95	15079	128.964144			6
Height Summation:			**27434.623**				
Amount Avg CF:			**49.513097**	Linear:			
Aroclor-1221					**1**		
3.18	3.20	3.22	2538.591	44.088779			2
Height Summation:			**2538.591**				
Amount Avg CF:			**44.088779**	Linear:			
Aroclor-1232					**4**	**119.19**	
3.56	3.60	3.60	3354.314	42.030233			3
3.74	3.76	3.78	1808.131	24.151919			4
3.78	3.80	3.82	7193.178	76.993599			5
3.91	3.93	3.95	15079	320.620984			6
Height Summation:			**27434.623**				
Amount Avg CF:			**115.949184**	Linear:			
Aroclor-1242					**4**	**113.72**	
3.56	3.60	3.60	3354.314	15.376924			3
3.74	3.76	3.78	1808.131	7.522507			4
3.78	3.80	3.82	7193.178	27.281137			5
3.91	3.93	3.95	15079	101.323605			6
Height Summation:			**27434.623**				
Amount Avg CF:			**37.876044**	Linear:			
Aroclor-1248					**6**	**194.78**	
3.78	3.80	3.82	7193.178	76.550797			1
3.84	3.86	3.88	6606.929	66.095716			2
3.91	3.93	3.95	15079	90.596324			3
4.03	4.05	4.07	7110.583	37.833931			4
4.12	4.14	4.16	15199.33	93.40925			5
4.30	4.31	4.34	307227.6	1767.649901			6
Height Summation:			**358416.62**				
Amount Avg CF:			**355.355986**	Linear:			
Aroclor-1254					**6**	**117.04**	
4.29	4.31	4.32	307227.6	1639.332801			1
+ 4.63	4.66	4.67	33220.89	167.144607			2
4.63	4.67	4.67	221616	1115.01887			2
4.69	4.72	4.73	538414.1	1280.474352			3
4.91	4.93	4.95	255068.3	992.345436			4
5.11	5.13	5.15	958587.5	6517.956738			5
5.23	5.25	5.27	2441109	12635.298965			6
Height Summation:			**4722022.5**				
Amount Avg CF:			**4030.071194**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 19:50:42
Instrument : CP 7--19843B
Result file : 07PCBS17250009B.0010.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 29.36338
%SSR(DCB) : 116% (48-164) Conc.: 30.40673

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**205.55**	
2.92	2.95	2.96	272661	1960.368831			1
3.12	3.14	3.16	4512.5	25.510262			2
3.25	3.27	3.29	3719.465	21.273159			3
3.40	3.42	3.44	5118.089	27.31239			4
3.44	3.46	3.48	3564.893	20.254653			5
3.57	3.59	3.61	31648.17	218.308279			6
Height Summation:			**321224.117**				
Amount Avg CF:			**378.837929**	Linear:			
Aroclor-1221					**3**	**140.04**	
2.80	2.82	2.84	13329.28	175.94589			1
2.86	2.87	2.90	1971.427	41.486281			2
2.92	2.95	2.96	272661	1459.692763			3
Height Summation:			**287961.707**				
Amount Avg CF:			**559.041645**	Linear:			
Aroclor-1232					**6**	**161.99**	
2.92	2.95	2.96	272661	1602.3577			1
3.12	3.14	3.16	4512.5	50.526739			2
3.25	3.27	3.29	3719.465	43.059162			3
3.40	3.42	3.44	5118.089	59.349787			4
3.44	3.46	3.48	3564.893	40.594179			5
3.57	3.59	3.61	31648.17	519.241739			6
Height Summation:			**321224.117**				
Amount Avg CF:			**385.854885**	Linear:			
Aroclor-1242					**6**	**201.90**	
2.92	2.95	2.96	272661	1417.604179			1
3.12	3.14	3.16	4512.5	28.889728			2
3.25	3.27	3.29	3719.465	16.275004			3
3.40	3.42	3.44	5118.089	18.809875			4
3.44	3.46	3.48	3564.893	14.633645			5
3.57	3.59	3.61	31648.17	172.702712			6
Height Summation:			**321224.117**				
Amount Avg CF:			**278.152524**	Linear:			
Aroclor-1248					**6**	**176.78**	
3.44	3.46	3.48	3564.893	44.223639			1
3.51	3.53	3.55	8562.331	77.483087			2
3.55	3.57	3.59	16821.11	88.396502			3
3.67	3.69	3.71	11492.02	50.22872			4
3.76	3.77	3.80	15575.85	98.453882			5
+ 3.76	3.78	3.80	3610.532	22.821926			5
3.90	3.92	3.94	356294.6	1183.931529			6
Height Summation:			**412310.804**				
Amount Avg CF:			**257.11956**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197316** CAF DF50 T1-9W Sample ID: AF **Batchnumber: 172510040A**
Sample Amount: 10.34 g Total Volume: 500 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 19:50:42
Instrument : CP 7--19843A
Result file : 07PCBS17250009.0010.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	12.66	
4.82	4.84	4.86	1910946	6348.985716			1
5.02	5.04	5.06	2410150	8157.718812			2
5.23	5.25	5.27	2441109	8707.624901			3
5.45	5.47	5.49	1447770	8918.034395			4
5.69	5.71	5.73	3727263	9375.313545			5
5.89	5.91	5.93	2210136	8500.770006			6
Height Summation:			**14147374**				
Amount Avg CF:			**8334.741229**	Linear:			
Aroclor-1262					6	31.68	
5.29	5.31	5.33	1282086	5323.073973			1
5.45	5.47	5.49	1447770	6761.619653			2
5.69	5.71	5.73	3727263	7933.511363			3
5.89	5.91	5.93	2210136	6892.39994			4
5.95	5.96	5.99	418898.4	2596.288454			5
6.31	6.33	6.35	810656.4	5603.287559			6
Height Summation:			**9896809.8**				
Amount Avg CF:			**5851.696824**	Linear:			
Aroclor-1268					6	98.59	
5.89	5.91	5.93	2210136	3842.152188			1
5.95	5.96	5.99	418898.4	842.145649			2
6.08	6.10	6.12	34075.16	71.382822			3
+ 6.14	6.15	6.18	54250.86	432.861425			4
6.14	6.18	6.18	409094.8	3264.120756			4
6.31	6.33	6.35	810656.4	5510.81529			5
6.51	6.53	6.55	152572.6	157.581864			6
Height Summation:			**4035433.36**				
Amount Avg CF:			**2281.366428**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 19:50:42
Instrument : CP 7--19843B
Result file : 07PCBS17250009B.0010.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	118.03	
4.20	4.22	4.24	125041.8	523.932581			1
+ 4.26	4.26	4.30	208825.8	494.862822			2
+ 4.26	4.28	4.30	211234.6	500.571051			2
4.26	4.29	4.30	588272.6	1394.053028			2
4.35	4.37	4.39	2149232	10842.917013			3
4.42	4.44	4.46	133321	511.499181			4
4.64	4.67	4.68	304572.5	1659.763546			5
4.72	4.74	4.76	3040450	10457.403427			6
Height Summation:			**6340889.9**				
Amount Avg CF:			**4231.594796**	Linear:			
Aroclor-1260					6	15.53	
4.35	4.37	4.39	2149232	6973.425835			1
4.49	4.51	4.53	2930088	8287.648864			2
4.60	4.61	4.64	2077544	7267.273936			3
4.72	4.74	4.76	3040450	8813.446208			4
5.14	5.16	5.18	4575581	10272.93743			5
5.40	5.42	5.44	2591421	9824.871174			6
Height Summation:			**17364316**				
Amount Avg CF:			**8573.267242**	Linear:			
Aroclor-1262					6	30.16	
4.76	4.77	4.80	1449894	4298.337008			1
4.95	4.96	4.99	1807123	5757.059838			2
5.14	5.16	5.18	4575581	7900.089761			3
5.36	5.37	5.40	729304.8	3481.546111			4
5.40	5.42	5.44	2591421	7333.850883			5
5.78	5.80	5.82	792034.1	5237.320229			6
Height Summation:			**11945357.9**				
Amount Avg CF:			**5668.033972**	Linear:			
Aroclor-1268					6	123.01	
5.36	5.37	5.40	729304.8	1215.162827			1
5.40	5.42	5.44	2591421	4503.34543			2
5.56	5.57	5.60	44632.42	92.772116			3
5.62	5.64	5.66	18331.98	156.530758			4
5.78	5.80	5.82	792034.1	4802.289028			5
5.98	6.00	6.02	161197.5	142.020278			6
Height Summation:			**4336921.8**				
Amount Avg CF:			**1818.68674**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2466.151	478.7234		** 153.76	4	40	
Aroclor-1221			2466.151	739.8453		** 170.76	3	40	
Aroclor-1232			2466.151	594.7776		** 107.57	4	40	
Aroclor-1242			2466.151	594.7776		** 152.06	4	40	
Aroclor-1248			2466.151	478.7234		32.08	4	40	
Aroclor-1254			2466.151	638.2979		4.88	4	40	
Aroclor-1260			2466.151	565.764		2.82	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9197316 CAF DF50 T1-9W Sample ID: AF **Batchnumber: 172510040A**
Sample Amount: 10.34 g Total Volume: 500 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 18, 2017 19:50:42
Instrument	: CP 7--19843A
Result file	: 07PCBS17250009.0010.RAW
Calibration file	: 07PCBS1725001.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Sep 18, 2017 19:50:42
Instrument	: CP 7--19843B
Result file	: 07PCBS17250009B.0010.RAW
Calibration file	: 07PCBS1725001B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			2466.151	478.7234		3.19	4	40	
Aroclor-1268			2466.151	478.7234		22.57	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197316 CAF DF50 AFT1-9W T 172510040A 10225 SW-846 8082
Injected On: 9/18/2017 7:50:42 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.64		24244	31993
1.705		9438	7570
1.748		15380	13858
2.039		2897	2523
2.112		12238	15402
2.149		11807	15413
2.27		87297	59796
2.39		7627	8388
2.434		8519	9045
2.554		6102	7114
2.703		40895	22432
2.721		71788	39643
2.756		3474	2675
2.823		2866	1590
2.875		14459	10012
2.949		4135	1870
2.999	TCX	231366	151592
3.107		11798	8212
3.196		2539	1312
3.303		44062	23536
3.32		238837	145201
3.597		3354	3854
3.66		5243	3786
3.739		4003	2232
3.762		1808	1290
3.802		7193	6115
3.858		6607	8193
3.898		1272	179
3.929		15079	11291
3.967		23743	18410
3.996		2194	1233
4.03		2051	884
4.054		7111	10835
4.112		4675	2627
4.137		15199	16708
4.189		2146	1687
4.215		2746	2077
4.249		11022	8014
4.271		9540	5711
4.308		307228	277741
4.353		41232	32798
4.421		98266	78529
4.464		412625	382822
4.499		80368	63281
4.539		6193	3963
4.562		15751	11627
4.603		113284	107448
4.656		33221	22204
4.672		221616	182488
4.717		538414	480416
4.765		810958	892666
4.803		201599	139728
4.842		1910946	1837713

RT A	Compound A	Height A	Area A
4.888		24691	21479
4.929		255068	271410
4.963		18864	11867
4.99		446069	409765
5.042		2410151	2922619
5.094		411545	371309
5.133		958588	1050065
5.176		22693	12461
5.213		220638	264618
5.246		2441109	2168389
5.269		80526	39002
5.288		33434	15348
5.312		1282086	1104505
5.354		810611	790233
5.449		316765	250486
5.473		1447770	1238220
5.53		889244	764010
5.567		504807	480156
5.61		69382	72513
5.651		421850	394388
5.681		9255	4048
5.707		3727263	3813557
5.794		5154	3583
5.852		5423	3665
5.911		2210136	2115193
5.943		100845	76939
5.964		418898	483891
6.032		3286	1710
6.076		17141	12843
6.1		34075	26972
6.152		54251	43291
6.179		409095	383018
6.266		2092	1625
6.302		3056	2176
6.333		810656	809675
6.379		48339	44453
6.414		8797	15878
6.534		152573	152647
6.572		1910	1146
6.609		1530	1114
6.682	DCB	96726	100481
6.828		1497	672
6.846		2566	1870
6.935		4563	3876
6.957		4367	6703
7.04		6184	6203
7.085		6561	9221
7.206		1111	749
7.229		973	729
7.248		1297	323
7.49		857	1068
7.522		1890	578
7.566		1459	540
7.581		1388	511
7.811		2018	1184
7.853		1434	663
8.003		1126	1870
8.074		1250	581
8.178		1386	656
8.208		1728	786
8.46		1904	4451
8.469		1147	468
8.618		1605	346
8.636		1795	1277
8.68		1355	586

LANCASTER LABORATORIES

Sample Number: 9197316 CAF DF50 AFT1-9W T 172510040A 10225 SW-846 8082
Injected On: 9/18/2017 7:50:42 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.526		15625	17131
1.615		8287	6093
1.664		1781	1438
1.832		9517	7084
1.902		2714	5882
1.957		6653	5669
1.993		84085	59194
2.032		11067	16095
2.071		3187	4734
2.17		2230	1103
2.193		2349	1073
2.27		9687	11434
2.347		36369	39451
2.401		77957	58081
2.461		3503	3668
2.529		12680	7333
2.63		1775	1483
2.651	TCX	235985	143995
2.736		3110	2800
2.785		1189	667
2.821		13329	8144
2.849		2286	1170
2.871		1971	1946
2.909		2473	1707
2.948		272661	213770
3.072		4719	3592
3.144		4513	6353
3.241		6545	4493
3.265		3719	6927
3.303		9130	8731
3.363		5726	7480
3.393		3014	1807
3.422		5118	4948
3.46		3565	3811
3.531		8562	5873
3.565		16821	9458
3.59		31648	21898
3.623		3981	2500
3.692		11492	8690
3.736		5626	4348
3.767		15576	8656
3.783		3611	2214
3.821		5770	5331
3.865		14704	14192
3.916		356295	251260
3.942		10041	5182
3.961		25501	13810
3.981		112908	73445
4.017		431361	311310
4.049		75029	46031
4.066		48725	27192
4.129		19843	18827
4.162		78855	75002
4.184		11137	8624

4.22		125042	86141
4.262		208826	137325
4.281		211235	105012
4.294		588273	327760
4.32		365862	376063
4.373		2149232	1663977
4.42		47307	48930
4.443		133321	83057
4.467		576963	439312
4.51		2930088	2333548
4.613		2077545	2021696
4.666		304573	250643
4.705		683200	591207
4.742		3040450	2471369
4.774		1449894	1038393
4.813		1074297	848594
4.87		5344	2660
4.885		5174	2730
4.913		283244	197928
4.93		49839	26522
4.964		1807123	1451183
4.988		260890	169970
5.039		1047740	909834
5.074		527242	415880
5.104		384317	307587
5.137		63049	36764
5.159		4575581	3749735
5.2		78188	56623
5.231		127860	101512
5.272		6820	10065
5.35		34227	21253
5.374		729305	601198
5.418		2591421	2860902
5.573		44632	37039
5.619		69482	55265
5.642		18332	10817
5.665		8220	4544
5.691		409008	348303
5.732		3532	3476
5.799		792034	708291
5.829		41797	30936
5.999		161198	142530
6.158	DCB	100172	88198
6.361		6394	5267
6.6		9892	8942
6.812		3496	11933
7.487		1207	2246
7.618		3290	4992
7.752		1532	2805
8.092		2023	3161
8.195		1808	2393
8.291		9493	21045
8.515		2745	4454

9197316 CAF DF50 AFT1-9W T 172510040A 10225 SW-846 8082

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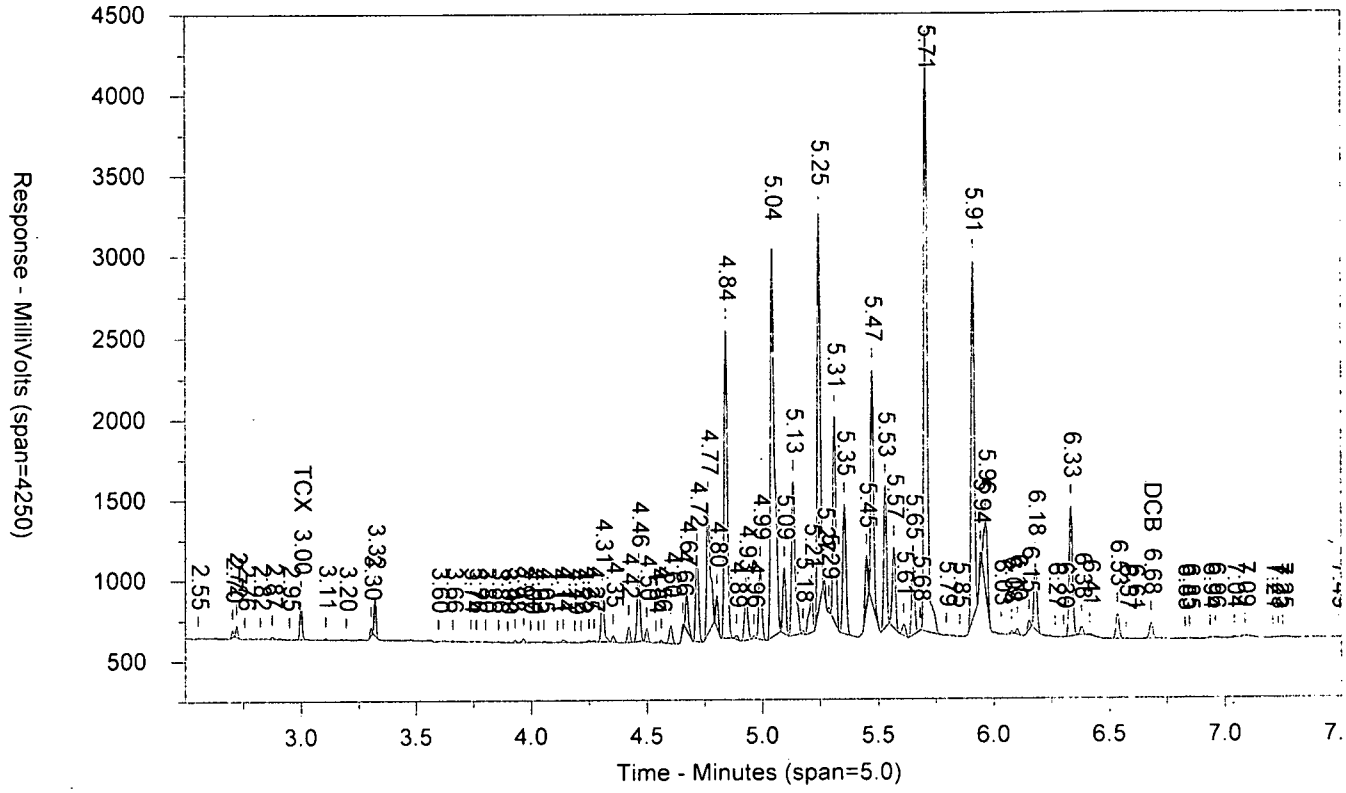

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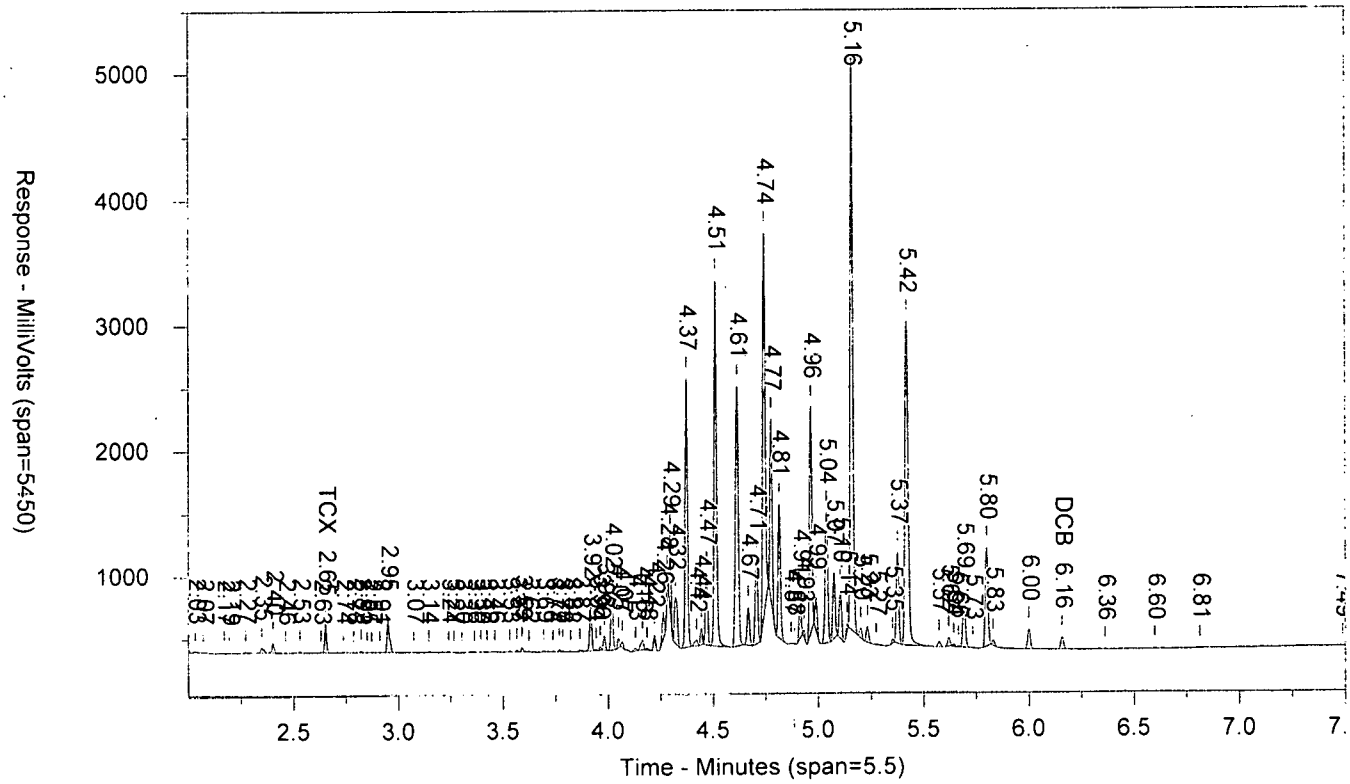

LANCASTER LABORATORIES

Sample Number: 9197316 CAF DF50 AFT1-9W T 172510040A 10225 SW-846 8082
Injected On: 9/18/2017 7:50:42 PM
Sample Weight: 10.34
Instrument ID: CP7-19843A
Dilution Factor: 500
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	231366	29.558	TCX	2.651	235985	29.363	TCX
6.682	96726	34.652	DCB	6.158	100172	30.407	DCB

Files:
Area File: 07pcbs17250009.0010.RAW
Area File: 07pcbs17250009B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 7:59:27 PM
File Reported On: 9/18/2017 at 7:59:36 PM

9197316 CAF DF50 AFT1-9W T 172510040A 10225 SW-846 8082

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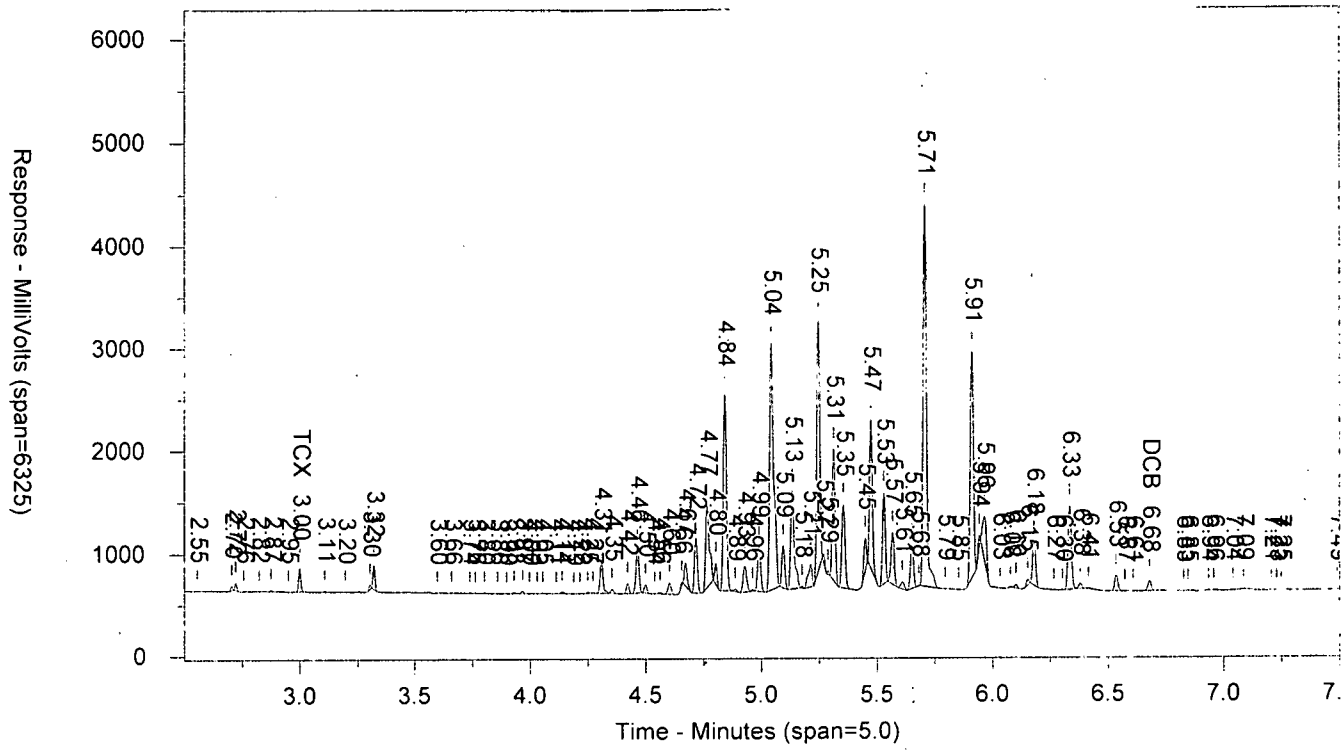

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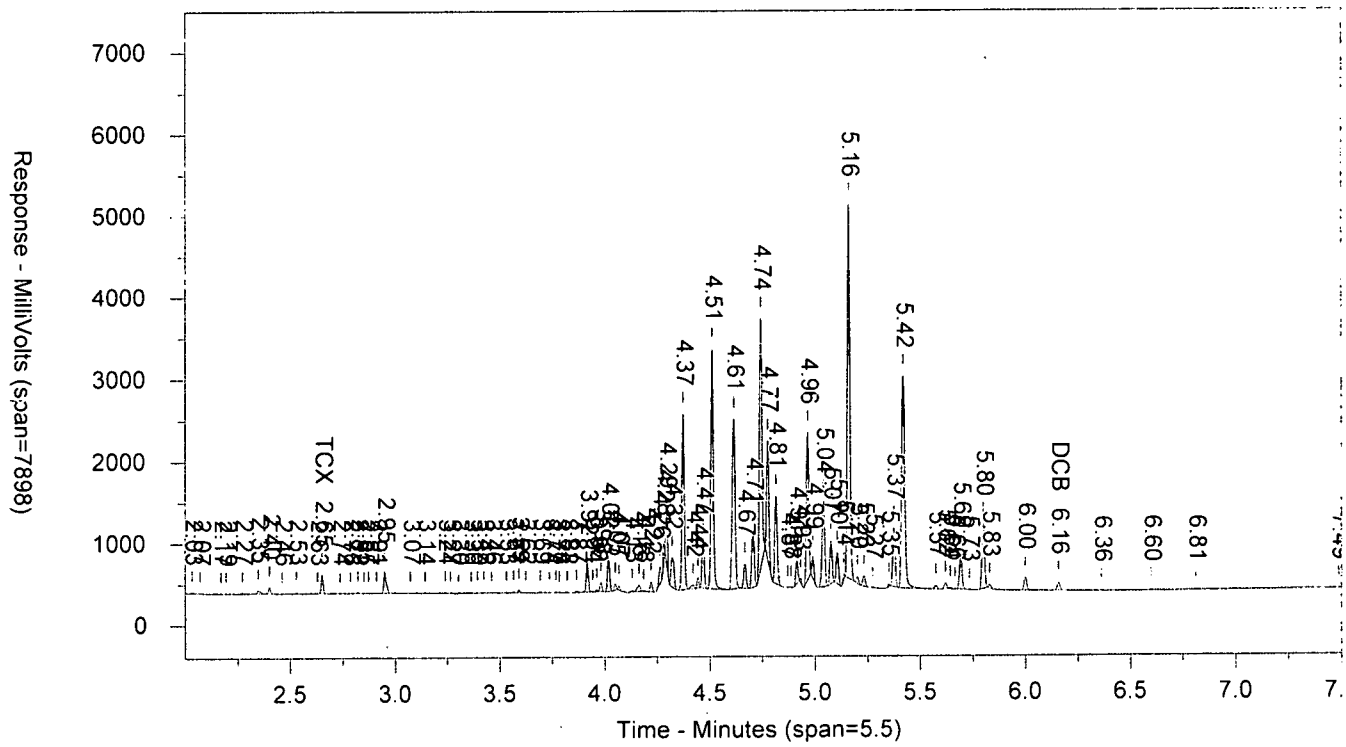

9197316 CAF DF50 AFT1-9W T 172510040A 10225 SW-846 8082

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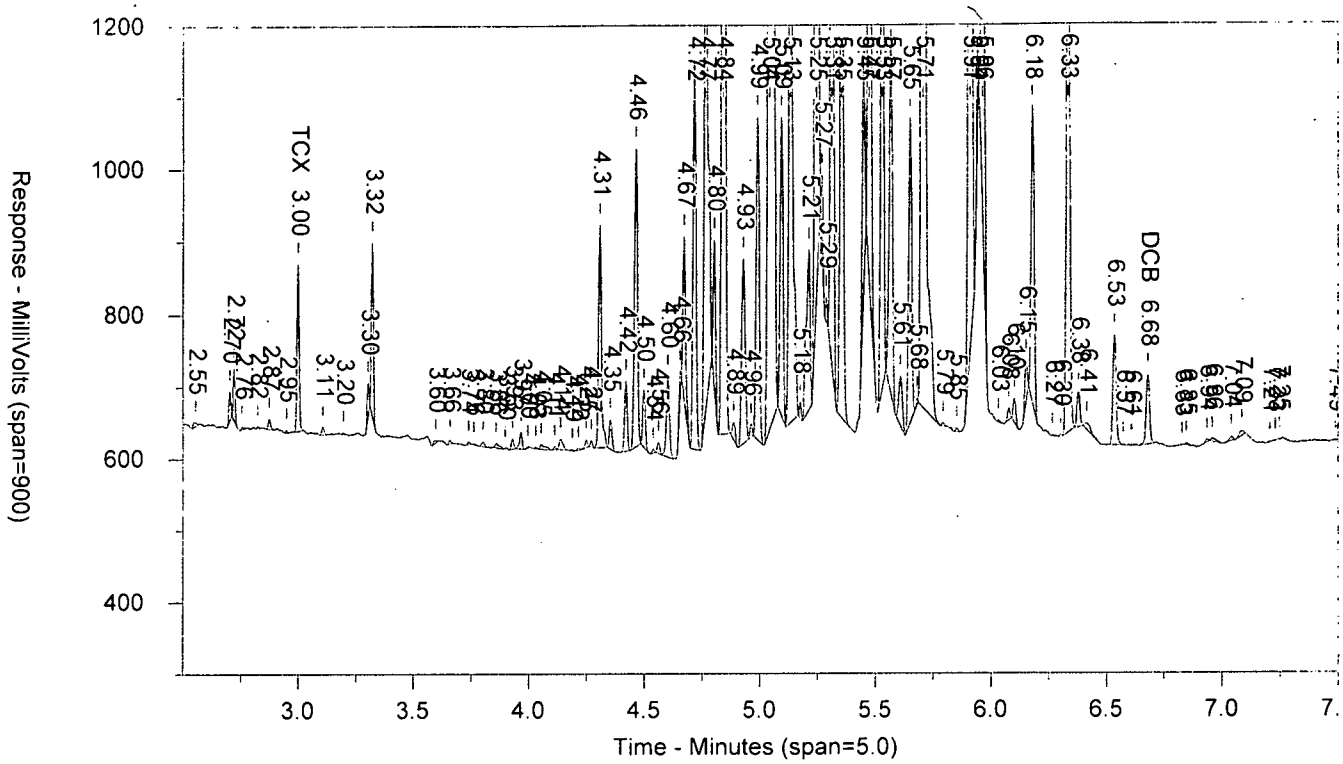

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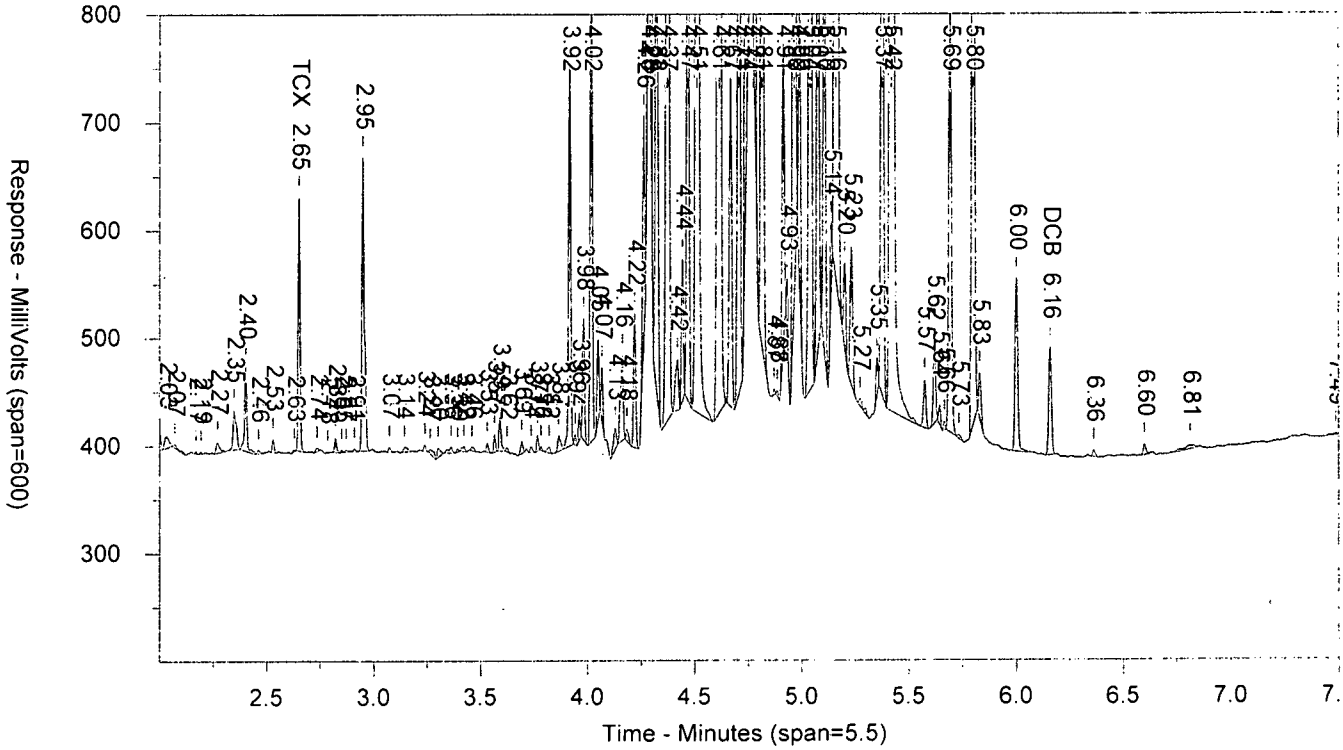

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Data Summary

Sample Name: 9197317 CAF DF50 T1-9E Sample ID: AE **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 500 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 21:18:39
Instrument	19843A
Result file	07PCBS17250007.0068.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 127% (61 - 152) Conc: 38.69791
%SSR(DCB) * 185% (48 - 164) Conc: 50.11033

Analysis Report (B)

Injected on	Sep 15, 2017 21:18:39
Instrument	19843B
Result file	07PCBS17250007B.0068.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 127% (61 - 152) Conc: 38.68766
%SSR(DCB) * 165% (48 - 164) Conc: 44.8839

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	292946	38.69791
Decachlorobiphenyl	6.65	6.68	6.71	135277	50.11033

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	300698	38.68766
Decachlorobiphenyl	6.13	6.16	6.19	143004	44.8839

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	38.69791				0.03	
☑	Tetrachloro-m-xylene-D1	A	38.69791					
☑	Tetrachloro-m-xylene-D2	B	38.68766					
☐	Decachlorobiphenyl	A	50.11033				11.00	
☑	Decachlorobiphenyl-D1	A	50.11033					
☑	Decachlorobiphenyl-D2	B	44.8839					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.91**	
4.82	4.84	4.86	2042495	7016.773794			1
5.02	5.04	5.06	2288084	8007.872726			2
5.23	5.25	5.27	2388328	8809.008919			3
5.45	5.47	5.49	1414254	9007.774891			4
5.69	5.71	5.73	3944970	10260.298755			5
5.89	5.91	5.93	2375780	9448.568768			6

Height summation: **14453911**
Concentration CF: **8758.382976** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.80**	
4.35	4.37	4.39	2087346	7002.899133			1
4.49	4.51	4.53	2706066	7914.247031			2
4.60	4.62	4.64	2024769	7323.477006			3
4.72	4.74	4.76	2945298	8827.90546			4
5.14	5.16	5.18	4355566	10111.452198			5
5.40	5.42	5.44	2444624	9583.441598			6

Height summation: **16563669**
Concentration CF: **8460.570404** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2550	<495	D1		4	
☑	PCB-1221			<2550	<765	D1		3	
☑	PCB-1232			<2550	<615	D1		4	
☑	PCB-1242			<2550	<615	D1		4	
☑	PCB-1248			<2550	<495	D1		4	
☑	PCB-1254			<2550	<660	D1		4	
☑	PCB-1260	A	8758.382976	2550	585	D1	3.46	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:48

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197317** CAF DF50 T1-9E ID: AE **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 500 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 21:18:39
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0068.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 127% (61-152) Conc.: 38.69791
%SSR(DCB) : *185% (48-164) Conc.: 50.11033

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	119.54	
3.23	3.26	3.27	6706.934	51.008913			1
3.45	3.47	3.49	8233.233	61.174034			2
3.56	3.60	3.60	3171.681	19.768535			3
3.74	3.74	3.78	5293.086	33.696947			4
3.78	3.80	3.82	19811	107.464873			5
3.91	3.93	3.95	39506.97	349.374094			6
Height Summation:			82722.904				
Amount Avg CF:			103.747899	Linear:			
Aroclor-1221					1		
3.23	3.26	3.27	6706.934	39.543364			3
Height Summation:			6706.934				
Amount Avg CF:			39.543364	Linear:			
Aroclor-1232					6	140.00	
3.23	3.26	3.27	6706.934	43.479065			1
3.45	3.47	3.49	8233.233	127.818123			2
3.56	3.60	3.60	3171.681	41.093026			3
3.74	3.74	3.78	5293.086	73.105701			4
3.78	3.80	3.82	19811	219.260676			5
3.91	3.93	3.95	39506.97	868.587676			6
Height Summation:			82722.904				
Amount Avg CF:			228.890711	Linear:			
Aroclor-1242					6	124.13	
3.23	3.26	3.27	6706.934	38.095934			1
3.45	3.47	3.49	8233.233	46.518647			2
3.56	3.60	3.60	3171.681	15.034043			3
3.74	3.74	3.78	5293.086	22.769957			4
3.78	3.80	3.82	19811	77.690623			5
3.91	3.93	3.95	39506.97	274.493683			6
Height Summation:			82722.904				
Amount Avg CF:			79.100481	Linear:			
Aroclor-1248					6	127.62	
3.78	3.80	3.82	19811	217.999674			1
+ 3.84	3.84	3.88	1066.115	11.028038			2
3.84	3.86	3.88	18973.96	196.269216			2
3.91	3.93	3.95	39506.97	245.432626			3
4.03	4.06	4.07	20191.99	111.090242			4
4.12	4.14	4.16	52325.09	332.503303			5
4.30	4.31	4.34	275339.1	1638.03981			6
+ 4.30	4.33	4.34	13784.01	82.003454			6
Height Summation:			426148.11				
Amount Avg CF:			456.889145	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 21:18:39
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0068.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 127% (61-152) Conc.: 38.68766
%SSR(DCB) : *165% (48-164) Conc.: 44.8839

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	155.92	
2.92	2.95	2.96	223546	1661.889744			1
3.12	3.16	3.16	7154.228	41.81971			2
3.25	3.27	3.29	9143.999	54.076457			3
3.40	3.42	3.44	4075.292	22.486981			4
3.44	3.46	3.48	17579.83	103.279355			5
3.57	3.59	3.61	87040.39	620.816098			6
Height Summation:			348539.739				
Amount Avg CF:			417.394724	Linear:			
Aroclor-1221					3	126.12	
2.80	2.82	2.84	15742.6	214.866859			1
2.86	2.87	2.90	2997.951	65.233229			2
2.92	2.95	2.96	223546	1237.44491			3
Height Summation:			242286.551				
Amount Avg CF:			505.848333	Linear:			
Aroclor-1232					6	123.76	
2.92	2.95	2.96	223546	1358.38817			1
3.12	3.16	3.16	7154.228	82.829945			2
3.25	3.27	3.29	9143.999	109.456562			3
3.40	3.42	3.44	4075.292	48.864179			4
3.44	3.46	3.48	17579.83	206.991483			5
3.57	3.59	3.61	87040.39	1476.598287			6
Height Summation:			348539.739				
Amount Avg CF:			547.188104	Linear:			
Aroclor-1242					6	151.13	
2.92	2.95	2.96	223546	1201.764591			1
3.12	3.16	3.16	7154.228	47.359767			2
3.25	3.27	3.29	9143.999	41.371124			3
3.40	3.42	3.44	4075.292	15.486645			4
3.44	3.46	3.48	17579.83	74.617592			5
3.57	3.59	3.61	87040.39	491.124865			6
Height Summation:			348539.739				
Amount Avg CF:			311.954097	Linear:			
Aroclor-1248					6	103.73	
3.44	3.46	3.48	17579.83	225.498255			1
3.51	3.53	3.55	19440.29	181.902297			2
3.55	3.57	3.59	42727.02	232.168647			3
3.67	3.69	3.71	30086.34	135.970795			4
3.76	3.77	3.80	47254.6	308.848658			5
3.90	3.92	3.94	336008.4	1154.484269			6
Height Summation:			493096.48				
Amount Avg CF:			373.145487	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197317** CAF DF50 T1-9E ID: AE **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 500 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 21:18:39
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0068.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	114.89	
4.29	4.31	4.32	275339.1	1519.131355			1
+ 4.63	4.66	4.67	71451.62	371.718113			2
4.63	4.67	4.67	201249.2	1046.973783			2
4.69	4.72	4.73	618739.2	1521.537392			3
4.91	4.93	4.95	304450.2	1224.737995			4
5.11	5.13	5.15	964597.3	6781.820532			5
5.23	5.25	5.27	2388328	12782.413407			6
Height Summation:			**4752703**				
Amount Avg CF:			**4146.102411**	Linear:			
Aroclor-1260					6	12.91	
4.82	4.84	4.86	2042495	7016.773794			1
5.02	5.04	5.06	2288084	8007.872726			2
5.23	5.25	5.27	2388328	8809.008919			3
5.45	5.47	5.49	1414254	9007.774891			4
5.69	5.71	5.73	3944970	10260.298755			5
5.89	5.91	5.93	2375780	9448.568768			6
Height Summation:			**14453911**				
Amount Avg CF:			**8758.382975**	Linear:			
Aroclor-1262					6	32.35	
5.29	5.31	5.33	1189896	5108.282267			1
5.45	5.47	5.49	1414254	6829.660554			2
5.69	5.71	5.73	3944970	8682.397273			3
5.89	5.91	5.93	2375780	7660.872459			4
5.95	5.97	5.99	471340	3020.640747			5
6.31	6.33	6.35	822524.6	5878.621918			6
Height Summation:			**10218764.6**				
Amount Avg CF:			**6196.74587**	Linear:			
Aroclor-1268					6	97.01	
5.89	5.91	5.93	2375780	4270.535392			1
5.95	5.97	5.99	471340	979.79077			2
6.08	6.10	6.12	34432.98	74.584908			3
+ 6.14	6.15	6.18	57995.61	478.473531			4
6.14	6.18	6.18	427196	3524.438804			4
6.31	6.33	6.35	822524.6	5781.605747			5
6.51	6.54	6.55	151839	162.1562			6
Height Summation:			**4283112.58**				
Amount Avg CF:			**2465.518637**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 21:18:39
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0068.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	113.97	
4.20	4.22	4.24	167703.8	726.580322			1
+ 4.26	4.26	4.30	200422.1	491.096479			2
+ 4.26	4.28	4.30	254389.8	623.334129			2
4.26	4.30	4.30	585672.7	1435.080267			2
4.35	4.37	4.39	2087346	10888.744778			3
4.42	4.44	4.46	166243.2	659.493939			4
4.64	4.67	4.68	321965.4	1814.20047			5
4.72	4.74	4.76	2945298	10474.559739			6
Height Summation:			**6274229.1**				
Amount Avg CF:			**4333.109919**	Linear:			
Aroclor-1260					6	14.80	
4.35	4.37	4.39	2087346	7002.899133			1
4.49	4.51	4.53	2706066	7914.247031			2
4.60	4.62	4.64	2024769	7323.477006			3
4.72	4.74	4.76	2945298	8827.90546			4
5.14	5.16	5.18	4355566	10111.452198			5
5.40	5.42	5.44	2444624	9583.441598			6
Height Summation:			**16563669**				
Amount Avg CF:			**8460.570404**	Linear:			
Aroclor-1262					6	27.78	
4.76	4.78	4.80	1431251	4387.332531			1
4.95	4.97	4.99	1807853	5955.204548			2
5.14	5.16	5.18	4355566	7775.904454			3
5.36	5.38	5.40	724581.9	3576.605989			4
5.40	5.42	5.44	2444624	7153.633914			5
5.78	5.80	5.82	819314.1	5601.911156			6
Height Summation:			**11583190**				
Amount Avg CF:			**5741.765432**	Linear:			
Aroclor-1268					6	123.24	
5.36	5.38	5.40	724581.9	1248.341543			1
5.40	5.42	5.44	2444624	4392.68334			2
5.56	5.57	5.60	43958.63	94.478223			3
5.62	5.64	5.66	19436.19	171.601859			4
5.78	5.80	5.82	819314.1	5136.595683			5
5.98	6.00	6.02	162915.6	148.414136			6
Height Summation:			**4214830.42**				
Amount Avg CF:			**1865.352464**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2550	495		** 120.37	4	40	
Aroclor-1221			2550	765		** 171.00	3	40	
Aroclor-1232			2550	615		** 82.03	4	40	
Aroclor-1242			2550	615		** 119.09	4	40	
Aroclor-1248			2550	495		20.18	4	40	
Aroclor-1254			2550	660		4.41	4	40	
Aroclor-1260			2550	585		3.46	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197317** CAF DF50 T1-9E ID: AE **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 500 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 15, 2017 21:18:39
Instrument	: CP 7--19843A
Result file	: 07PCBS17250007.0068.RAW
Calibration file	: 07PCBS1725001.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Sep 15, 2017 21:18:39
Instrument	: CP 7--19843B
Result file	: 07PCBS17250007B.0068.RAW
Calibration file	: 07PCBS1725001B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			2550	495		7.62	4	40	
Aroclor-1268			2550	495		27.72	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197317 CAF DF50 AET1-9E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 9:18:39 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0068.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.641		15434	16516
1.747		10463	8426
1.97		2739	1760
2.069		4535	2730
2.111		7553	9221
2.144		4205	1647
2.27		60763	46807
2.39		15333	14777
2.436		5092	3844
2.551		8548	7937
2.574		8649	7954
2.669		5142	3496
2.703		31843	17859
2.721		49398	28504
2.76		5864	4087
2.802		2491	1244
2.848		4830	3651
2.874		10414	6608
2.933		3736	2510
3	TCX	292946	201115
3.107		12087	8424
3.177		3373	2519
3.256		6707	5900
3.303		26474	14399
3.32		198072	121933
3.472		8233	18333
3.538		3515	2030
3.596		3172	3727
3.659		18338	15111
3.741		5293	3218
3.804		19811	17405
3.842		1066	256
3.861		18974	17344
3.902		5011	3689
3.93		39507	28803
3.967		74542	58654
3.999		10121	12612
4.055		20192	14179
4.113		10376	7333
4.138		52325	46777
4.187		4851	3510
4.221		2386	2258
4.233		2028	791
4.251		7567	4245
4.272		22652	14557
4.309		275339	221967
4.327		13784	7739
4.355		47690	40910
4.421		102086	89614
4.464		452345	419200
4.5		112219	90830
4.538		6720	3798
4.562		26822	20207

RT A	Compound A	Height A	Area A
4.603		235188	234028
4.657		71452	45709
4.673		201249	165841
4.718		618739	544873
4.767		790651	907081
4.805		218455	150527
4.843		2042495	1846407
4.888		61031	54910
4.93		304450	317811
4.964		30122	19147
4.991		412936	396347
5.043		2288084	2841709
5.095		408713	371745
5.134		964597	1044215
5.177		30396	18943
5.214		213920	259777
5.247		2388328	2123459
5.269		71575	35567
5.289		57139	25609
5.313		1189896	1072769
5.356		809203	778189
5.45		307669	244035
5.474		1414254	1223279
5.531		860561	774078
5.569		511695	491605
5.611		71387	73797
5.652		434264	411129
5.682		5831	3185
5.708		3944971	3880612
5.794		6681	6302
5.826		5796	3420
5.854		5109	3835
5.911		2375780	2237257
5.942		126373	90325
5.966		471340	516332
6.078		18104	13517
6.101		34433	31370
6.153		57996	47398
6.181		427196	403740
6.303		1831	568
6.334		822525	838649
6.38		57435	50474
6.536		151839	156242
6.683	DCB	135277	130436
6.739		2391	2175
6.859		1562	1188
6.872		2004	500
6.937		2017	1322
7.013		1181	468
7.101		1509	442
7.179		1239	382
7.272		2163	507
7.337		1742	702
7.508		1130	551
7.537		1469	801
7.583		1141	408
7.791		1517	415
7.804		1158	452
7.932		1864	1144
7.97		1581	585
8.04		1816	810
8.257		1327	759
8.291		1347	411

LANCASTER LABORATORIES

Sample Number: 9197317 CAF DF50 AET1-9E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 9:18:39 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0068.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.525		10563	10696
1.551		4831	5341
1.616		3837	3418
1.656		4444	3072
1.76		4741	4030
1.832		6222	4855
1.864		6284	3913
1.958		15112	14667
1.993		59501	41341
2.029		10027	13745
2.07		10253	11050
2.153		1732	2158
2.171		9118	5521
2.269		14611	14088
2.347		24382	30546
2.401		55629	36337
2.461		8784	6413
2.529		9072	5178
2.555		6723	5933
2.628		1858	1159
2.652	TCX	300698	186693
2.737		9095	11609
2.822		15743	10851
2.87		2998	2742
2.908		5162	4128
2.948		223546	178266
2.993		5068	4796
3.075		6006	5393
3.156		7154	11313
3.217		4825	3290
3.239		5748	3559
3.268		9144	11707
3.304		21551	20548
3.362		7118	8039
3.395		2418	1917
3.423		4075	4048
3.464		17580	19738
3.533		19440	13320
3.566		42727	24985
3.591		87040	56504
3.624		13999	9594
3.693		30086	21877
3.715		9528	5827
3.738		14545	9648
3.767		47255	28730
3.822		12417	10498
3.866		36238	35724
3.917		336008	254884
3.942		14429	7321
3.963		26001	14188
3.982		104366	67043
4.017		444134	315010
4.05		100662	60932
4.067		62448	34579

4.13		21868	22034
4.154		55233	27576
4.163		41204	18838
4.183		7966	9622
4.221		167704	117402
4.263		200422	138450
4.281		254390	128469
4.295		585673	317946
4.32		355360	361880
4.373		2087346	1610551
4.414		64018	66436
4.444		166243	106709
4.468		564402	411852
4.511		2706066	2157301
4.615		2024769	1935099
4.668		321965	270805
4.707		663383	567926
4.743		2945298	2426766
4.776		1431251	1036022
4.815		1035071	808254
4.871		6128	3538
4.914		272829	188863
4.932		45145	23700
4.966		1807853	1402839
4.99		267218	179529
5.04		1007867	888383
5.076		513392	408175
5.106		382363	297319
5.138		65736	40389
5.16		4355566	3593977
5.201		83639	59439
5.232		131324	104046
5.272		6159	5602
5.297		6820	3989
5.351		33612	20464
5.376		724582	592031
5.419		2444624	2772617
5.575		43959	39629
5.62		67827	54459
5.643		19436	11882
5.666		7370	4164
5.692		396102	343709
5.772		1624	623
5.8		819314	705504
5.832		43307	30493
6		162916	151422
6.16	DCB	143004	126163
6.362		11583	11474
6.601		4118	3264
7.63		4968	7878
8.298		9161	18057

9197317 CAF DF50 AET1-9E T 172510040A 10225 SW-846 8082

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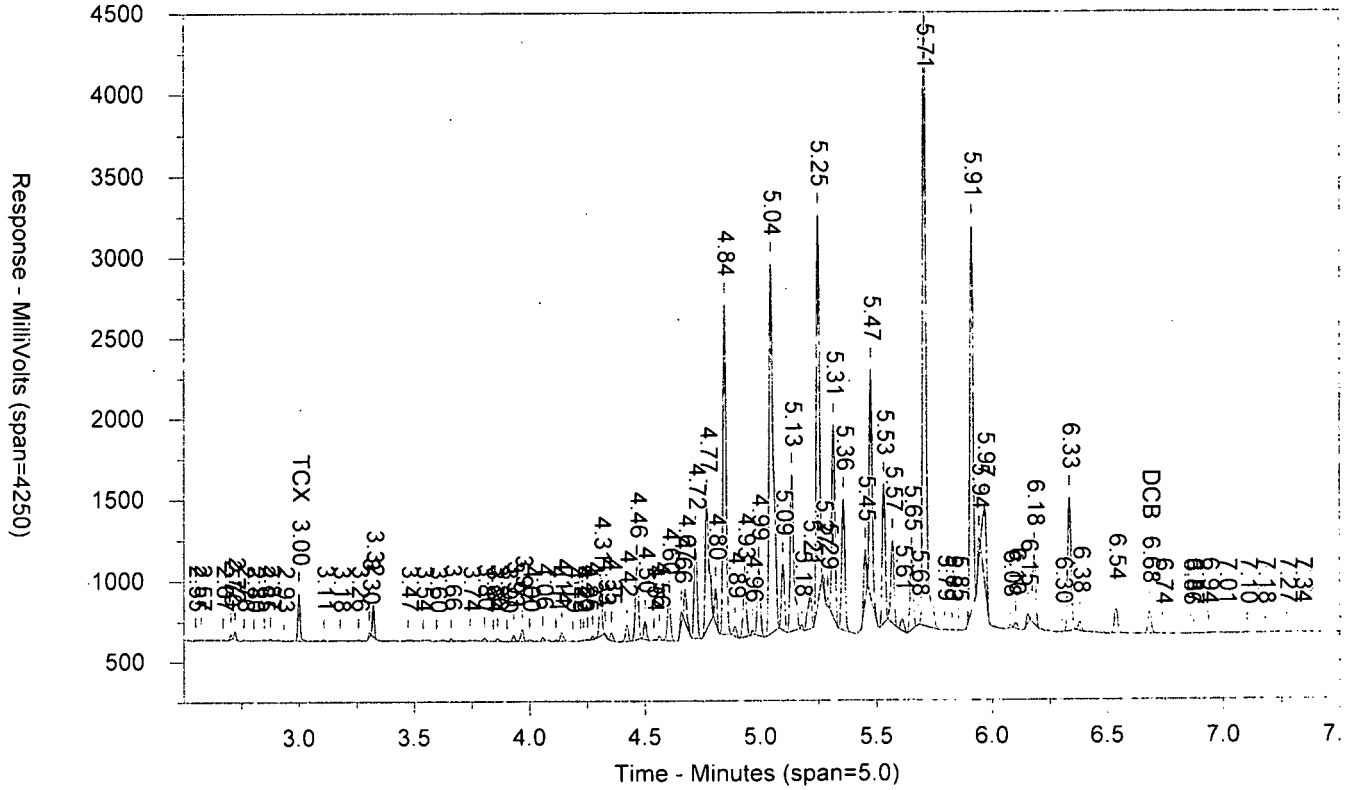

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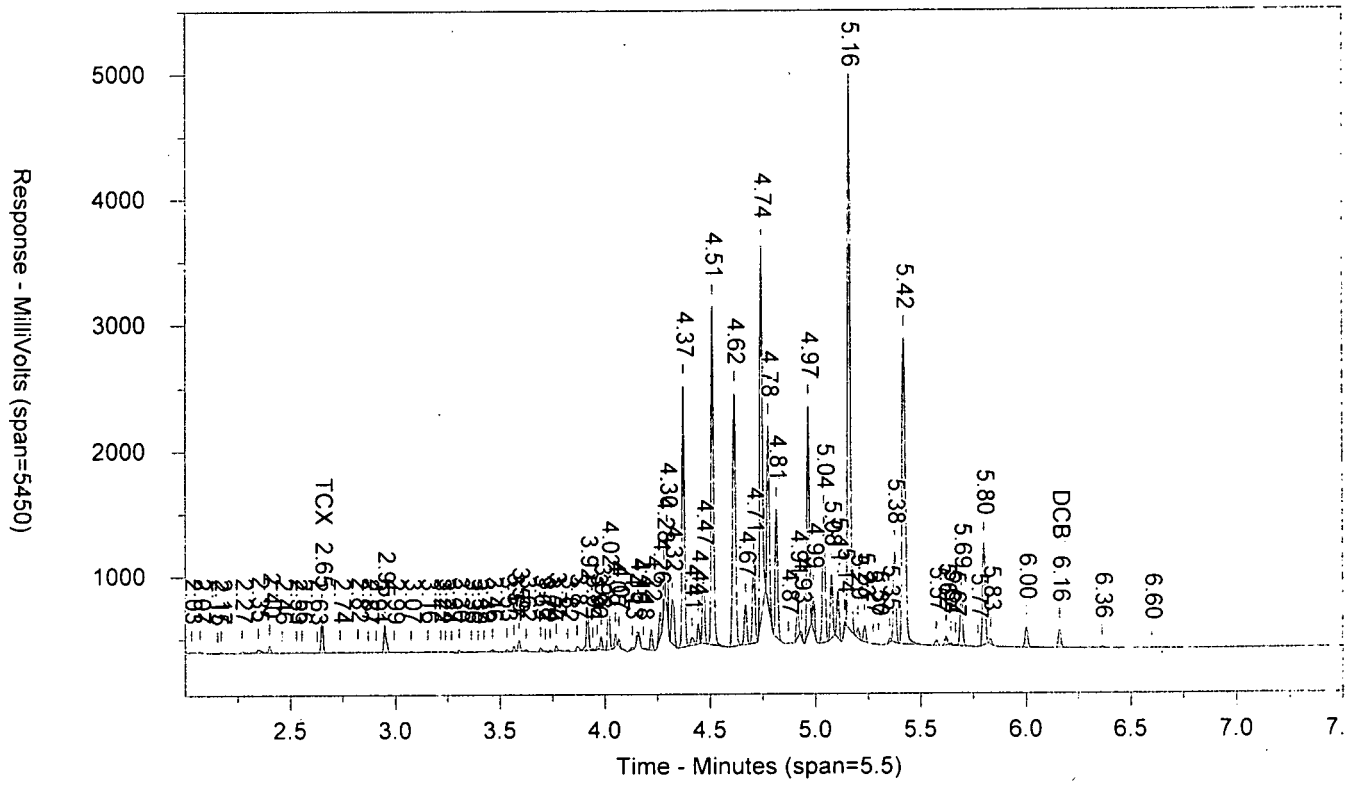

LANCASTER LABORATORIES

Sample Number: 9197317 CAF DF50 AET1-9E T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 9:18:39 PM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 500
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	292946	38.698	TCX	2.652	300698	38.688	TCX
6.683	135277	50.11	DCB	6.16	143004	44.884	DCB

Files:
Area File: 07pcbs17250007.0068.RAW
Area File: 07pcbs17250007B.0068.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 9:27:20 PM
File Reported On: 9/15/2017 at 9:27:31 PM

9197317 CAF DF50 AET1-9E T 172510040A 10225 SW-846 8082

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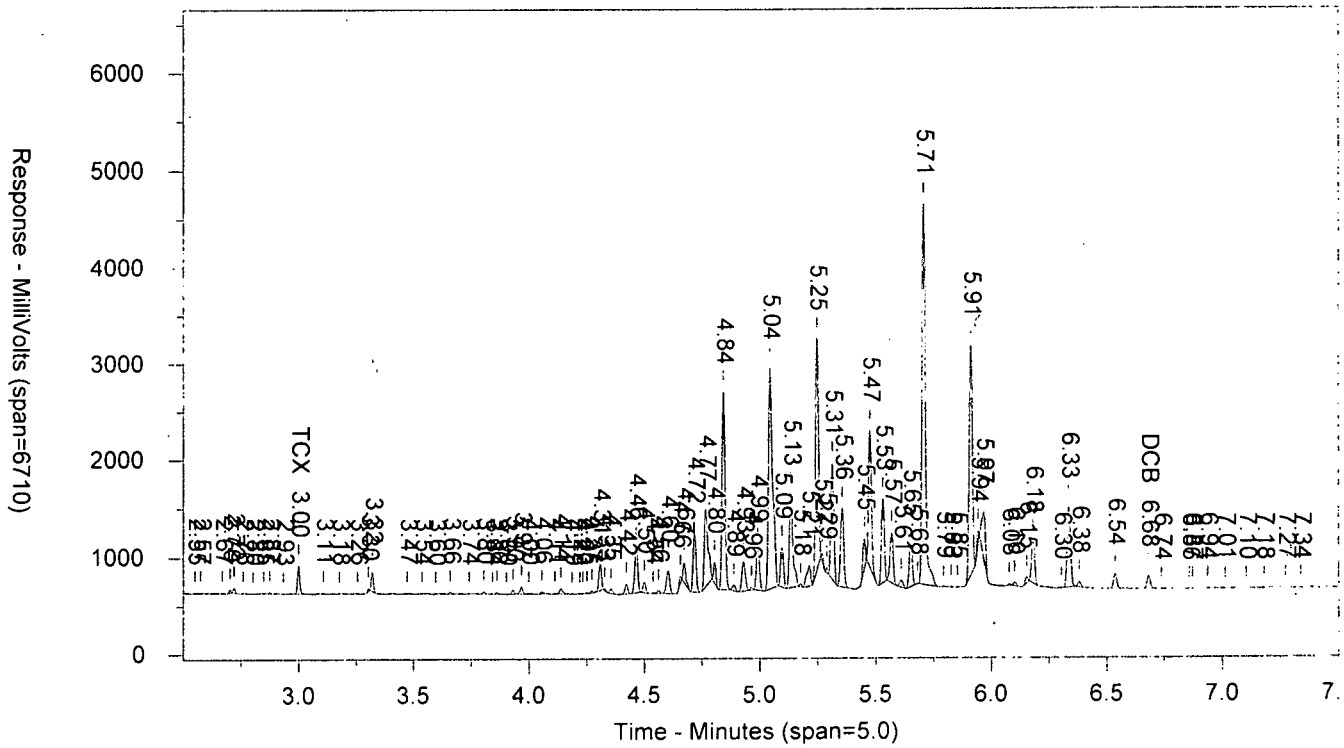

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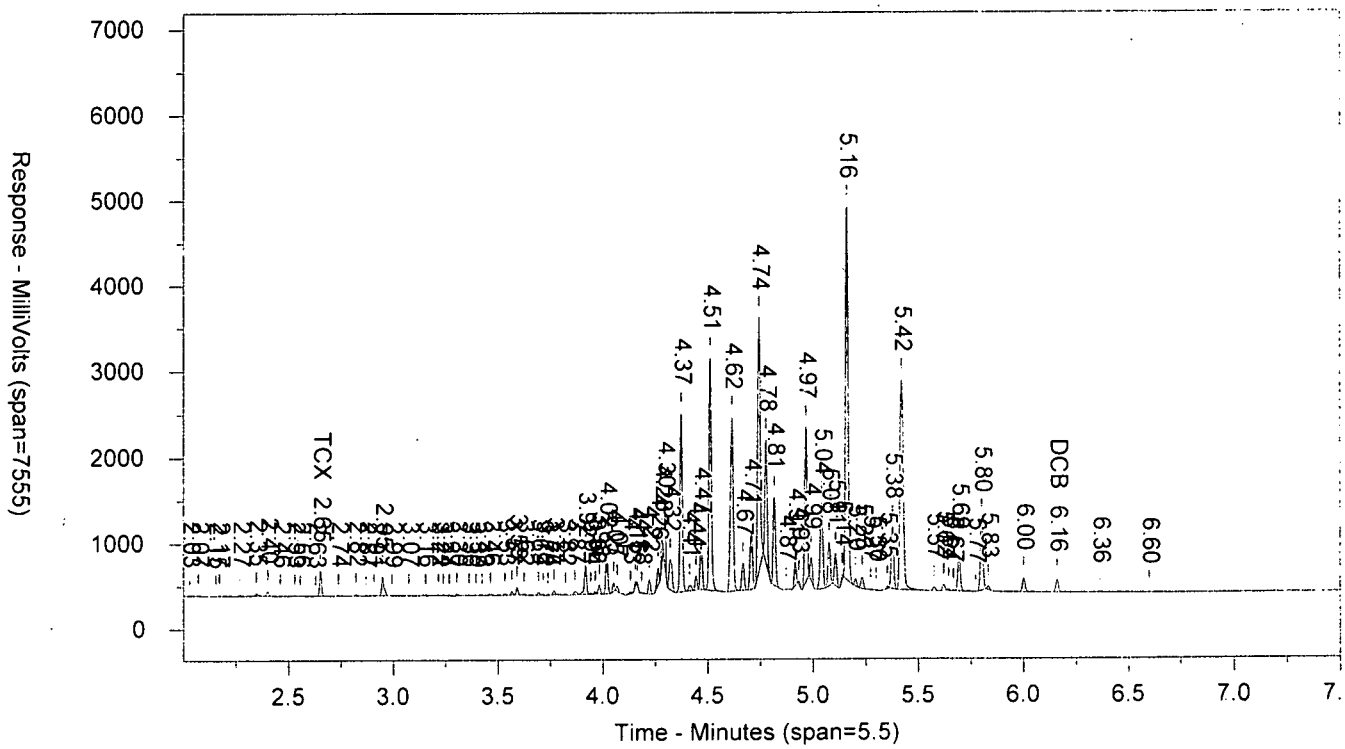

9197317 CAF DF50 AET1-9E T 172510040A 10225 SW-846 8082

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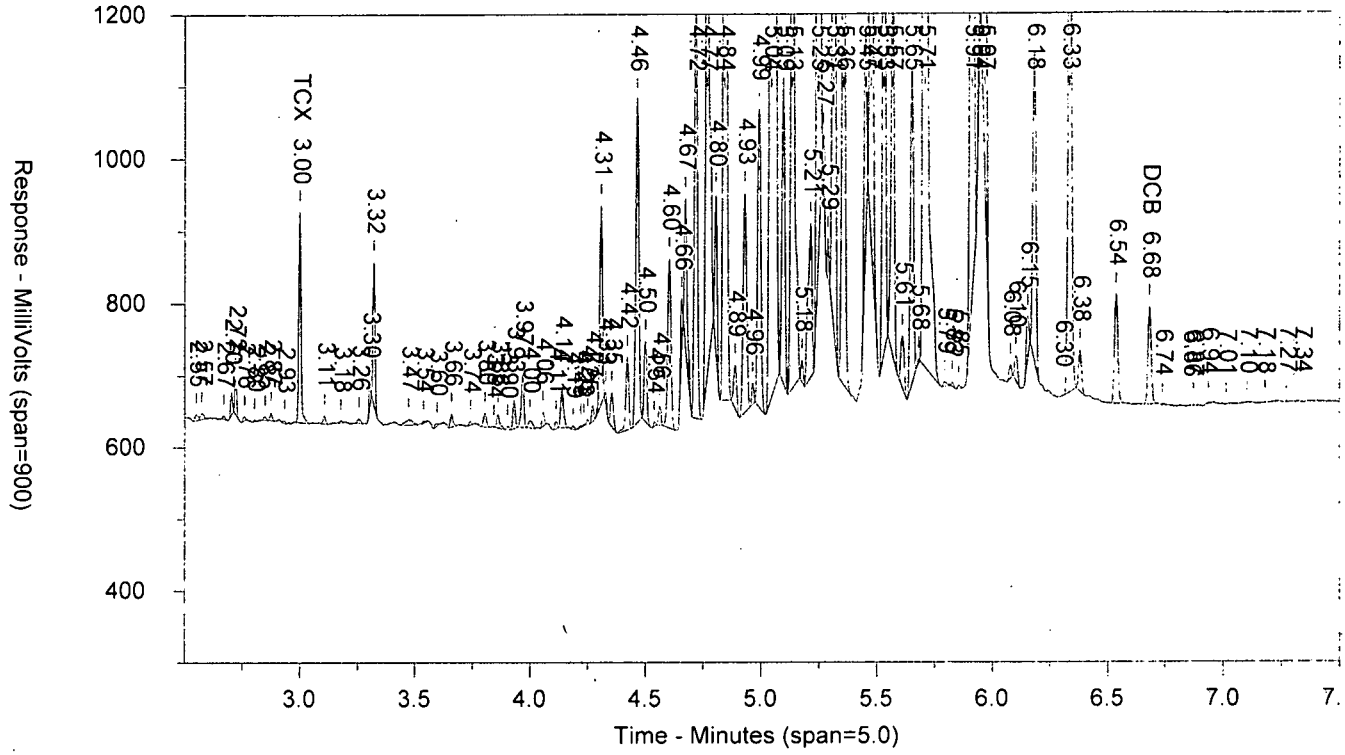

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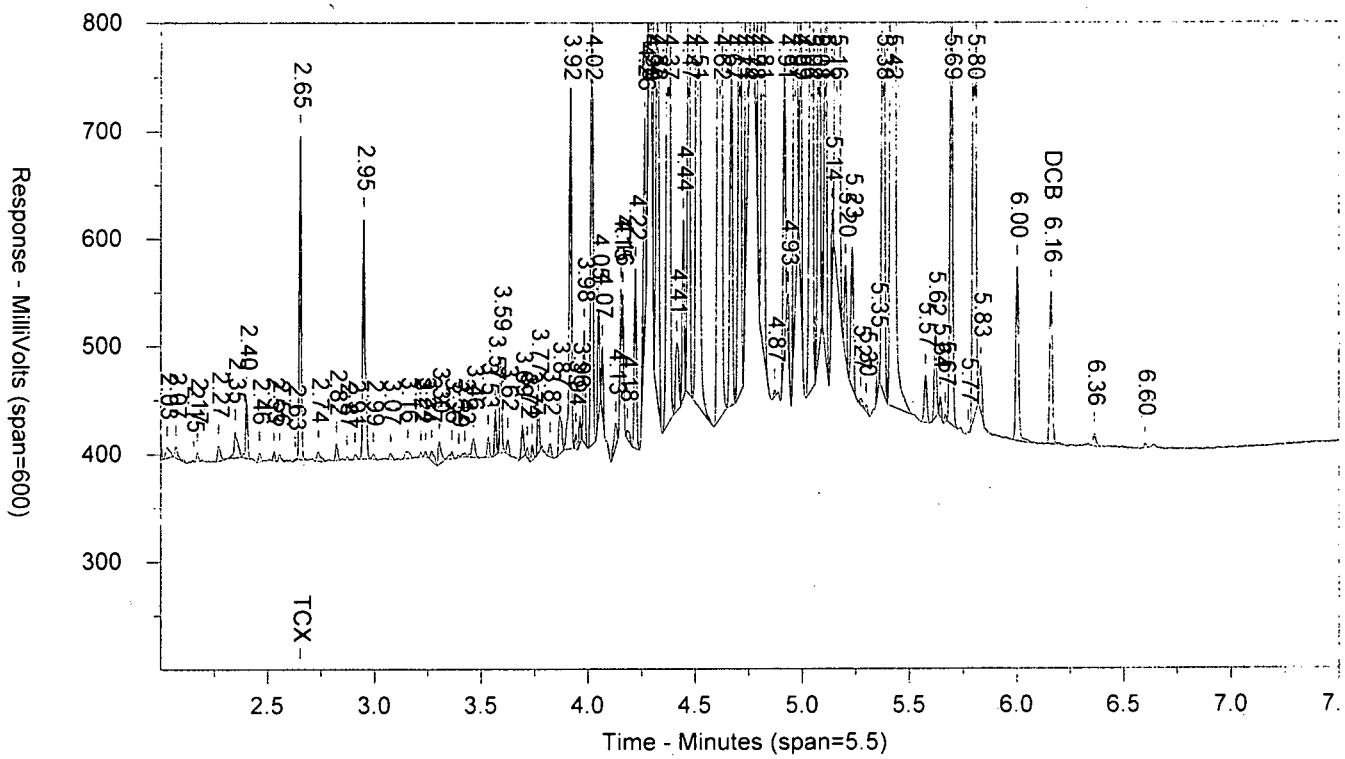

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9197318 CAF DF100 T110W Sample ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.5 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 21:30:08
Instrument	19843A
Result file	07PCBS17250007.0069.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 110% (61 - 152) Conc: 32.02933
%SSR(DCB) 154% (48 - 164) Conc: 39.69352

Analysis Report (B)

Injected on	Sep 15, 2017 21:30:08
Instrument	19843B
Result file	07PCBS17250007B.0069.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 107% (61 - 152) Conc: 31.12549
%SSR(DCB) 141% (48 - 164) Conc: 36.43003

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	127294	32.02933
Decachlorobiphenyl	6.65	6.68	6.71	56257	39.69352

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	127009	31.12549
Decachlorobiphenyl	6.13	6.16	6.19	60936	36.43003

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	32.02933				2.86	
☑	Tetrachloro-m-xylene-D1	A	32.02933					
☑	Tetrachloro-m-xylene-D2	B	31.12549					
☐	Decachlorobiphenyl	A	39.69352				8.57	
☑	Decachlorobiphenyl-D1	A	39.69352					
☑	Decachlorobiphenyl-D2	B	36.43003					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.58**	
4.82	4.84	4.86	1483062	9704.57404			1
5.02	5.04	5.06	1735499	11569.384697			2
5.23	5.25	5.27	1743995	12252.339202			3
5.45	5.47	5.49	1128792	13694.454205			4
5.69	5.71	5.73	2963097	14679.216203			5
5.89	5.91	5.93	1846149	13985.153974			6

Height summation: **10900594**
Concentration CF: **12647.520387** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.54**	
4.35	4.37	4.39	1550734	9909.721116			1
4.49	4.51	4.53	2135827	11898.110178			2
4.60	4.62	4.64	1507682	10387.051522			3
4.72	4.74	4.76	2114164	12070.014756			4
5.14	5.16	5.18	3237694	14316.782628			5
5.40	5.42	5.44	1925108	14374.912996			6

Height summation: **12471209**
Concentration CF: **12159.432199** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<4857.143	<942.8572	D1		4	
☑	PCB-1221			<4857.143	<1457.1429	D1		3	
☑	PCB-1232			<4857.143	<1171.4286	D1		4	
☑	PCB-1242			<4857.143	<1171.4286	D1		4	
☑	PCB-1248			<4857.143	<942.8572	D1		4	
☑	PCB-1254			<4857.143	<1257.1429	D1		4	
☑	PCB-1260	A	12647.520387	4857.143	1114.2857	D1	3.94	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:51

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197318** CAF DF100 T110W ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.5 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 21:30:08
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0069.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 110% (61-152) Conc.: 32.02933
%SSR(DCB) : 154% (48-164) Conc.: 39.69352

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**85.83**	
3.23	3.25	3.27	3805.691	55.131049			1
3.56	3.60	3.60	2266.758	26.911062			3
3.78	3.80	3.82	12847.11	132.741362			5
3.91	3.93	3.95	14825.09	249.720969			6
Height Summation:			**33744.649**				
Amount Avg CF:			**116.126111**	Linear:			
Aroclor-1221					**2**	**23.31**	
3.13	3.15	3.17	1905.105	59.607211			1
3.23	3.25	3.27	3805.691	42.738945			3
Height Summation:			**5710.796**				
Amount Avg CF:			**51.173078**	Linear:			
Aroclor-1232					**4**	**108.12**	
3.23	3.25	3.27	3805.691	46.992698			1
3.56	3.60	3.60	2266.758	55.940259			3
3.78	3.80	3.82	12847.11	270.83232			5
3.91	3.93	3.95	14825.09	620.837549			6
Height Summation:			**33744.649**				
Amount Avg CF:			**248.650706**	Linear:			
Aroclor-1242					**4**	**88.84**	
3.23	3.25	3.27	3805.691	41.174546			1
3.56	3.60	3.60	2266.758	20.465961			3
3.78	3.80	3.82	12847.11	95.964			5
3.91	3.93	3.95	14825.09	196.198945			6
Height Summation:			**33744.649**				
Amount Avg CF:			**88.450863**	Linear:			
Aroclor-1248					**6**	**145.22**	
3.78	3.80	3.82	12847.11	269.274722			1
3.84	3.86	3.88	10530.4	207.481688			2
3.91	3.93	3.95	14825.09	175.427069			3
+ 4.03	4.03	4.07	1945.037	20.382871			4
4.03	4.06	4.07	5093.759	53.37967			4
4.12	4.14	4.16	34379.66	416.12926			5
4.30	4.31	4.34	187957.6	2129.889886			6
+ 4.30	4.33	4.34	9379.97	106.291543			6
Height Summation:			**265633.619**				
Amount Avg CF:			**541.930382**	Linear:			
Aroclor-1254					**6**	**123.85**	
4.29	4.31	4.32	187957.6	1975.27709			1
4.63	4.66	4.67	34199.88	338.896375			2
4.69	4.72	4.73	398110.4	1864.743997			3
4.91	4.93	4.95	212027.5	1624.650007			4
5.11	5.13	5.15	720683.9	9651.298936			5
5.23	5.25	5.27	1743995	17778.897299			6
Height Summation:			**3296974.28**				
Amount Avg CF:			**5538.960617**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 21:30:08
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0069.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 107% (61-152) Conc.: 31.12549
%SSR(DCB) : 141% (48-164) Conc.: 36.43003

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**177.34**	
2.92	2.95	2.96	237915.9	3368.988031			1
3.12	3.15	3.16	4926.846	54.856478			2
3.25	3.27	3.29	6414.306	72.254089			3
3.40	3.42	3.44	2781.241	29.231543			4
3.44	3.47	3.48	10266.64	114.886203			5
3.57	3.59	3.61	61147.57	830.734106			6
Height Summation:			**323452.503**				
Amount Avg CF:			**745.158408**	Linear:			
Aroclor-1221					**2**	**106.69**	
2.80	2.82	2.84	13504.97	351.097142			1
2.92	2.95	2.96	237915.9	2508.552151			3
Height Summation:			**251420.87**				
Amount Avg CF:			**1429.824647**	Linear:			
Aroclor-1232					**6**	**133.86**	
2.92	2.95	2.96	237915.9	2753.7287			1
3.12	3.15	3.16	4926.846	108.651139			2
3.25	3.27	3.29	6414.306	146.250043			3
3.40	3.42	3.44	2781.241	63.520103			4
3.44	3.47	3.48	10266.64	230.253816			5
3.57	3.59	3.61	61147.57	1975.883941			6
Height Summation:			**323452.503**				
Amount Avg CF:			**879.714624**	Linear:			
Aroclor-1242					**6**	**172.73**	
2.92	2.95	2.96	237915.9	2436.220897			1
3.12	3.15	3.16	4926.846	62.123579			2
3.25	3.27	3.29	6414.306	55.277899			3
3.40	3.42	3.44	2781.241	20.131583			4
3.44	3.47	3.48	10266.64	83.003344			5
3.57	3.59	3.61	61147.57	657.190071			6
Height Summation:			**323452.503**				
Amount Avg CF:			**552.324562**	Linear:			
Aroclor-1248					**6**	**122.47**	
3.44	3.47	3.48	10266.64	250.840434			1
3.51	3.53	3.55	12551.81	223.708506			2
3.55	3.57	3.59	16118.83	166.830395			3
3.67	3.69	3.71	11119.6	95.72076			4
3.76	3.77	3.80	31957.75	397.849228			5
3.90	3.92	3.94	235775.8	1543.042218			6
Height Summation:			**317790.43**				
Amount Avg CF:			**446.331924**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197318** CAF DF100 T110W ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.5 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 21:30:08
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0069.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**14.58**	
4.82	4.84	4.86	1483062	9704.57404			1
5.02	5.04	5.06	1735499	11569.384697			2
5.23	5.25	5.27	1743995	12252.339202			3
5.45	5.47	5.49	1128792	13694.454205			4
5.69	5.71	5.73	2963097	14679.216203			5
5.89	5.91	5.93	1846149	13985.153974			6
Height Summation:			**10900594**				
Amount Avg CF:			**12647.520387**	Linear:			
Aroclor-1262					**6**	**31.11**	
5.29	5.31	5.33	906811.8	7415.214899			1
5.45	5.47	5.49	1128792	10383.082929			2
5.69	5.71	5.73	2963097	12421.742269			3
5.89	5.91	5.93	1846149	11339.122733			4
5.95	5.97	5.99	377294.2	4605.593513			5
6.31	6.34	6.35	653114.9	8891.129223			6
Height Summation:			**7875258.9**				
Amount Avg CF:			**9175.980927**	Linear:			
Aroclor-1268					**6**	**96.77**	
5.89	5.91	5.93	1846149	6320.967384			1
5.95	5.97	5.99	377294.2	1493.894306			2
6.08	6.10	6.12	27688.84	114.24095			3
+ 6.14	6.15	6.18	47405.11	744.95262			4
6.14	6.18	6.18	343536.4	5398.539128			4
6.31	6.34	6.35	653114.9	8744.39699			5
6.51	6.54	6.55	123505.9	251.234123			6
Height Summation:			**3371289.24**				
Amount Avg CF:			**3720.54548**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 21:30:08
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0069.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**116.61**	
4.20	4.22	4.24	98381.52	811.885813			1
+ 4.26	4.26	4.30	154259.5	719.969051			2
+ 4.26	4.28	4.30	157560.5	735.375673			2
4.26	4.30	4.30	427404.9	1994.809397			2
4.35	4.37	4.39	1550734	15408.536094			3
4.42	4.44	4.46	105433.2	796.681997			4
4.64	4.67	4.68	221770.8	2380.242098			5
4.72	4.74	4.76	2114164	14321.414201			6
Height Summation:			**4517888.42**				
Amount Avg CF:			**5952.2616**	Linear:			
Aroclor-1260					**6**	**15.54**	
4.35	4.37	4.39	1550734	9909.721116			1
4.49	4.51	4.53	2135827	11898.110178			2
4.60	4.62	4.64	1507682	10387.051522			3
4.72	4.74	4.76	2114164	12070.014756			4
5.14	5.16	5.18	3237694	14316.782628			5
5.40	5.42	5.44	1925108	14374.912996			6
Height Summation:			**12471209**				
Amount Avg CF:			**12159.432199**	Linear:			
Aroclor-1262					**6**	**27.34**	
4.76	4.78	4.80	1065919	6223.714317			1
4.95	4.97	4.99	1373532	8618.130127			2
5.14	5.16	5.18	3237694	11009.885783			3
5.36	5.38	5.40	568648.6	5346.484217			4
5.40	5.42	5.44	1925108	10730.264704			5
5.78	5.80	5.82	648785.9	8449.43924			6
Height Summation:			**8819687.5**				
Amount Avg CF:			**8396.319732**	Linear:			
Aroclor-1268					**6**	**124.15**	
5.36	5.38	5.40	568648.6	1866.081525			1
5.40	5.42	5.44	1925108	6588.910695			2
5.56	5.58	5.60	32502.18	133.057927			3
5.62	5.64	5.66	12751.66	214.44616			4
5.78	5.80	5.82	648785.9	7747.597547			5
5.98	6.00	6.02	124643.5	216.28327			6
Height Summation:			**3312439.84**				
Amount Avg CF:			**2794.396187**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			4857.143	942.8572		** 146.07	4	40	
Aroclor-1221			4857.143	1457.1429		** 186.18	3	40	
Aroclor-1232			4857.143	1171.4286		** 111.85	4	40	
Aroclor-1242			4857.143	1171.4286		** 144.79	4	40	
Aroclor-1248			4857.143	942.8572		19.35	4	40	
Aroclor-1254			4857.143	1257.1429		7.19	4	40	
Aroclor-1260			4857.143	1114.2857		3.94	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197318** CAF DF100 T110W ID: AE **Batchnumber: 172510040A**
Sample Amount: 10.5 g Total Volume: 1000 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 21:30:08
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0069.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2017 21:30:08
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0069.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			4857.143	942.8572		8.87	4	40	
Aroclor-1268			4857.143	942.8572		28.43	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197318 CAF DF100 AET110W T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 9:30:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0069.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.642		15872	23415
1.747		9511	7784
2.112		10051	15662
2.149		10192	14208
2.27		52027	39306
2.391		5471	3627
2.435		6748	7264
2.551		7988	7871
2.673		2932	2180
2.703		37743	21418
2.721		41377	23645
2.759		3425	2498
2.824		2903	1130
2.875		11864	7741
2.955		2754	2245
3	TCX	127294	85707
3.107		11018	7906
3.152		1905	1102
3.254		3806	2474
3.303		20521	10833
3.32		221698	138445
3.409		1924	625
3.537		2804	1784
3.597		2267	2127
3.66		13052	9520
3.739		5591	3863
3.804		12847	11147
3.861		10530	6944
3.903		2751	2207
3.931		14825	11492
3.968		54005	39969
3.999		9059	10837
4.034		1945	1133
4.056		5094	3027
4.114		7103	4741
4.138		34380	31866
4.189		2391	1490
4.216		2810	1826
4.236		1403	670
4.25		7692	4847
4.273		14978	9809
4.309		187958	161493
4.329		9380	5022
4.355		26246	22083
4.422		67941	61617
4.465		345756	309436
4.499		58555	46810
4.54		3114	1939
4.562		16939	11640
4.603		169444	163873
4.657		34200	22055
4.673		158966	126993
4.718		398110	363326

RT A	Compound A	Height A	Area A
4.767		603573	674066
4.804		154537	112368
4.843		1483062	1382782
4.888		40774	36760
4.931		212028	223992
4.965		19007	13133
4.991		325459	296062
5.044		1735499	2158898
5.095		311123	276084
5.134		720684	788776
5.177		17307	9255
5.214		162910	192191
5.247		1743995	1586654
5.269		53612	28536
5.289		43768	20643
5.313		906812	820326
5.355		617401	589187
5.45		235985	184483
5.474		1128792	946719
5.53		666758	594992
5.568		397294	372906
5.611		55651	60339
5.652		339511	327221
5.681		4726	1911
5.708		2963097	3025604
5.792		3721	2701
5.829		4899	3586
5.854		4856	3894
5.912		1846149	1752179
5.942		108840	70029
5.967		377294	422198
6.078		12009	8480
6.101		27689	22860
6.153		47405	36788
6.181		343536	323580
6.335		653115	680336
6.379		41323	38609
6.536		123506	126816
6.652		1157	345
6.683	DCB	56257	54615
6.715		1991	637
6.745		1256	1006
6.804		1595	400
6.817		1677	601
6.9		2261	729
6.939		3158	2856
7.09		1328	517
7.141		1220	299
7.334		1536	324
7.351		1253	378
7.438		1752	580
7.468		1311	576
7.51		1891	696
7.529		1644	342
7.57		1840	1137
7.689		1451	912
7.744		1477	651
7.926		1838	546
7.949		1842	678
8.008		1902	746
8.043		1673	1108
8.106		1408	765
8.166		1308	428
8.262		1296	442
8.301		1576	970
8.419		854	624

RT A	Compound A	Height A	Area A
8.466		1635	623
8.51		948	396
8.528		1636	573
8.622		1142	404

LANCASTER LABORATORIES

Sample Number: 9197318 CAF DF100 AET110W T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 9:30:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0069.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.527		8220	7172
1.655		1815	1936
1.832		4491	2758
1.902		2652	4365
1.957		5687	5860
1.993		52141	35103
2.028		9885	12919
2.07		3952	5478
2.149		1627	1091
2.27		8930	9793
2.347		30198	35093
2.401		49673	36392
2.462		4606	4263
2.529		8668	4943
2.555		3054	2737
2.652	TCX	127009	76761
2.736		5816	7943
2.822		13505	9752
2.852		1654	937
2.909		3569	2765
2.948		237916	174095
2.993		3315	3017
3.072		4512	3560
3.154		4927	8241
3.216		4044	2718
3.239		4759	3241
3.269		6414	8133
3.305		15457	14707
3.364		6083	4198
3.393		2547	1368
3.42		2781	2434
3.465		10267	10958
3.534		12552	8648
3.566		16119	8496
3.591		61148	41179
3.624		11127	7454
3.695		11120	9598
3.716		5960	3775
3.738		9292	6603
3.768		31958	20049
3.821		7980	6931
3.87		23373	25860
3.917		235776	171805
3.943		8226	4086
3.963		13114	6949
3.982		75927	49787
4.018		339943	240054
4.051		51977	31403
4.067		35940	19479
4.13		13195	14869
4.155		102342	112500
4.186		7047	7784
4.221		98382	67808
4.263		154260	98055

4.282		157561	76557
4.296		427405	239687
4.322		262105	267033
4.374		1550734	1191534
4.416		47715	48675
4.444		105433	70423
4.469		413185	310396
4.512		2135827	1664814
4.616		1507682	1452160
4.668		221771	185461
4.707		501276	428271
4.743		2114164	1785186
4.776		1065919	778910
4.815		777255	618531
4.873		3663	2390
4.915		204452	146350
4.932		35917	17879
4.966		1373532	1080561
4.99		191745	125171
5.04		768192	685079
5.076		393646	309420
5.105		290307	227691
5.138		59094	34750
5.16		3237694	2777401
5.202		68530	46798
5.233		100097	80377
5.27		4689	4640
5.352		27408	16788
5.375		568649	468693
5.419		1925108	2199404
5.575		32502	26515
5.62		53443	42038
5.643		12752	8325
5.667		4249	2471
5.693		330342	279820
5.8		648786	560532
5.831		31112	21809
6		124644	113679
6.159	DCB	60936	58254
6.362		6350	6967
6.602		7650	7293
7.003		1563	1779
7.111		1598	1994
7.626		1936	3258
8.139		1708	2450
8.297		8914	14502

9197318 CAF DF100 AET110W T 172510040A 10225 SW-846 8082

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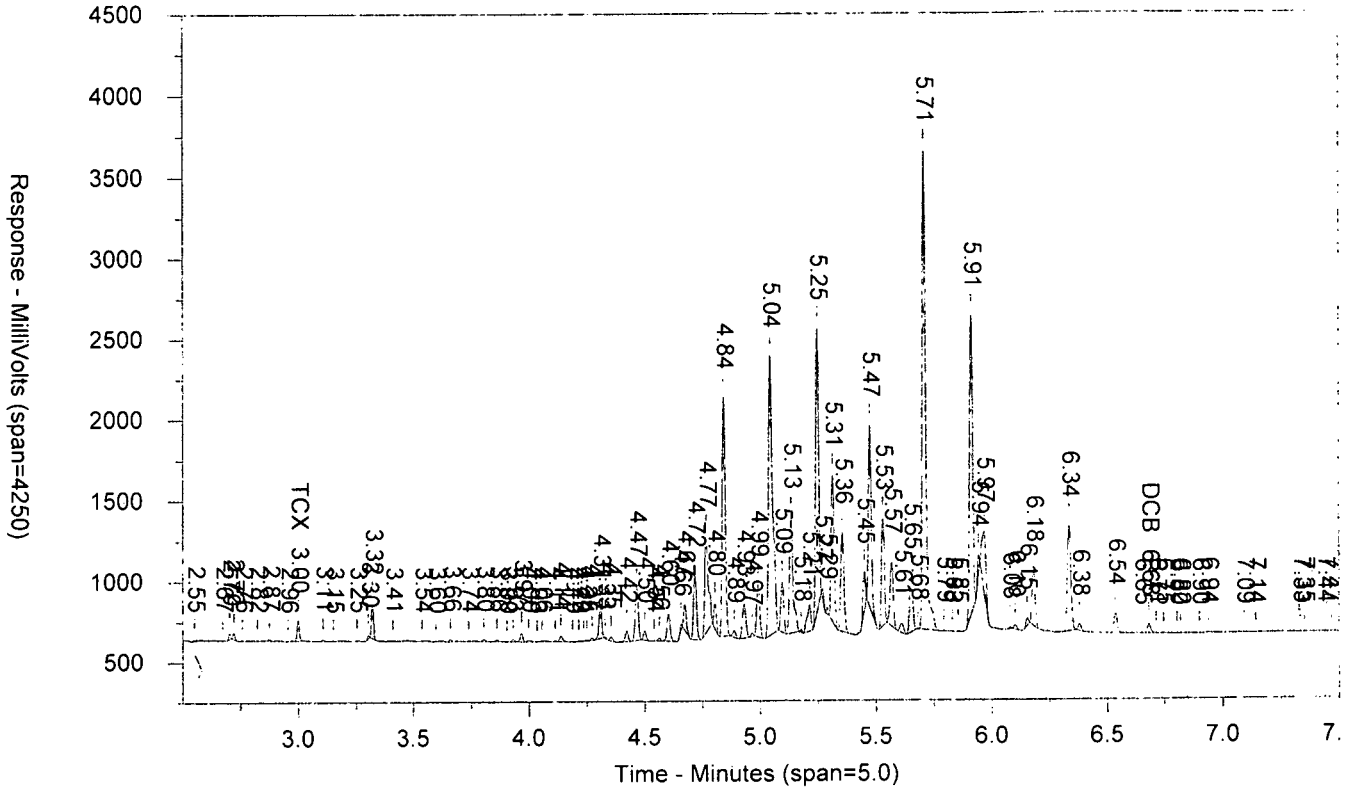

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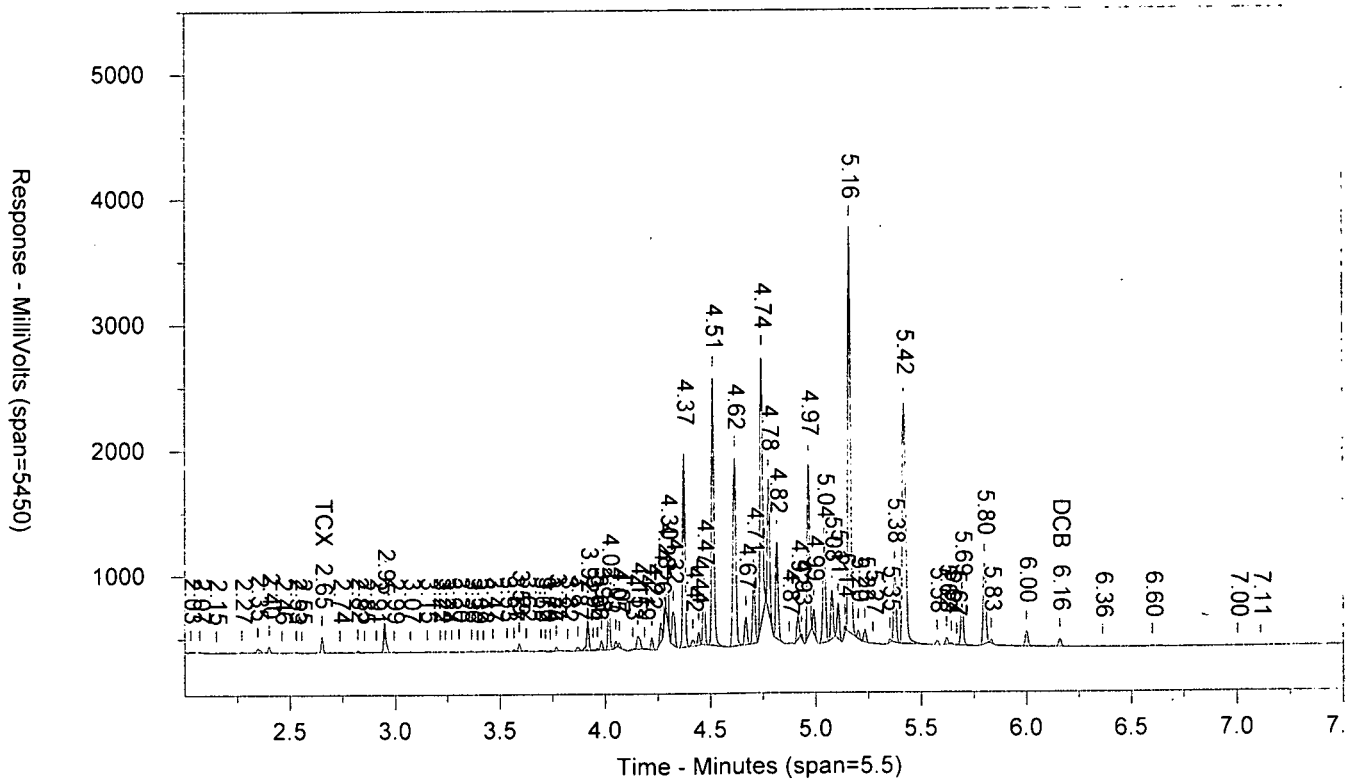

LANCASTER LABORATORIES

Sample Number: 9197318 CAF DF100 AET110W T 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 9:30:08 PM
Sample Weight: 10.5
Instrument ID: CP7-19843A
Dilution Factor: 1000
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	127294	32.029	TCX	2.652	127009	31.125	TCX
6.683	56257	39.694	DCB	6.159	60936	36.43	DCB

Files:
Area File: 07pcbs17250007.0069.RAW
Area File: 07pcbs17250007B.0069.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 9:38:49 PM
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9197318 CAF DF100 AET110W T 172510040A 10225 SW-846 8082

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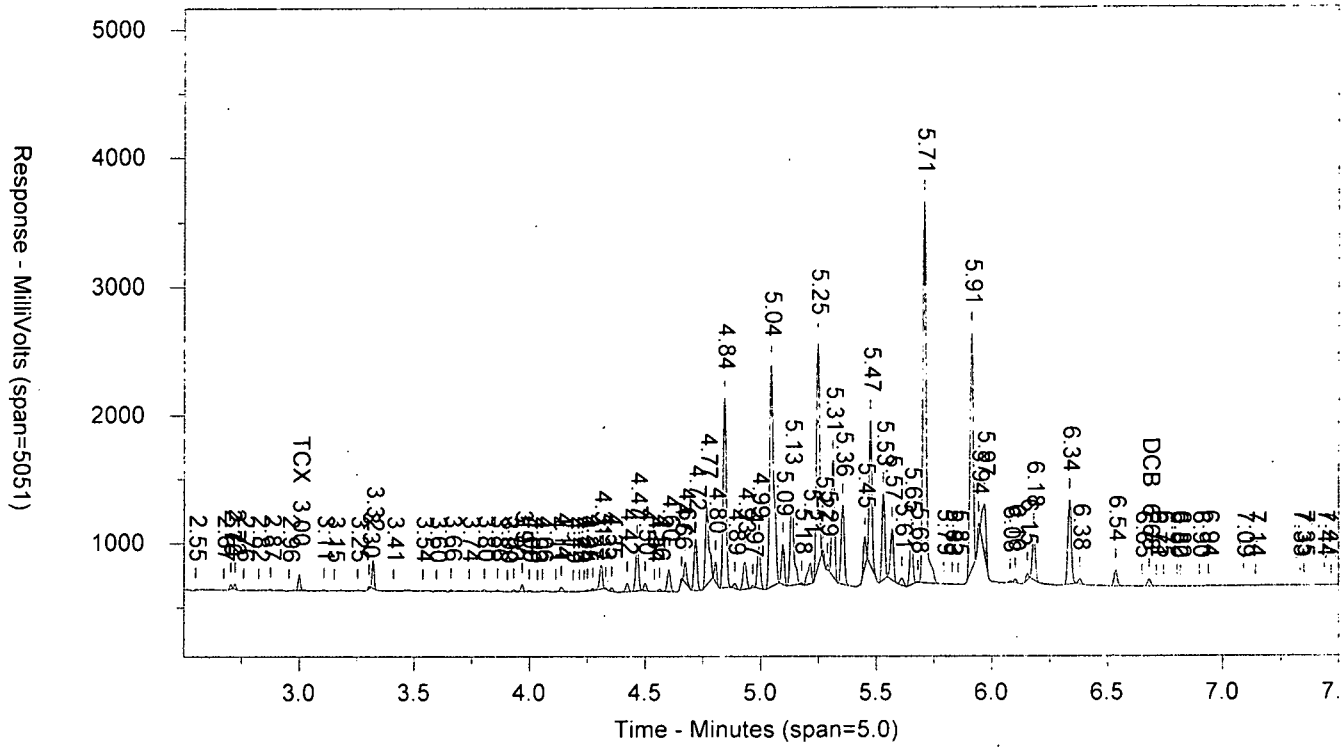

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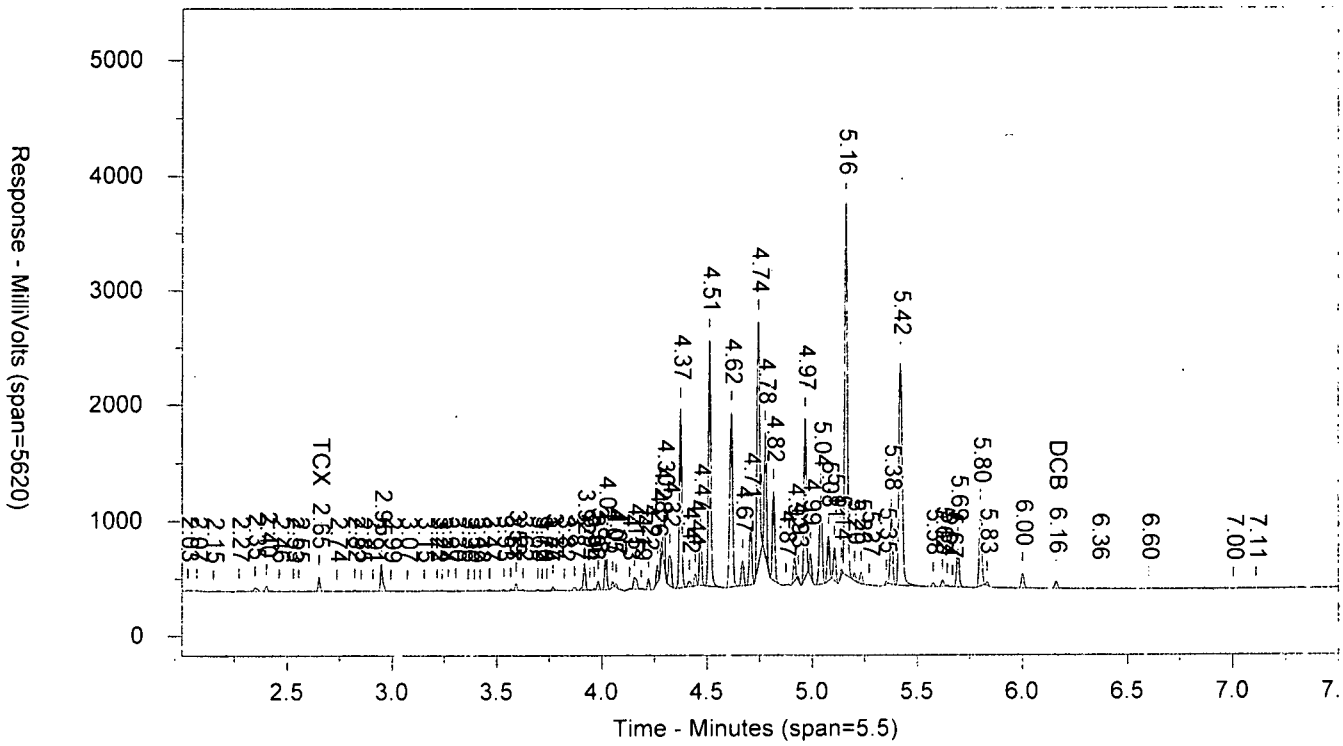

9197318 CAF DF100 AET110W T 172510040A 10225 SW-846 8082

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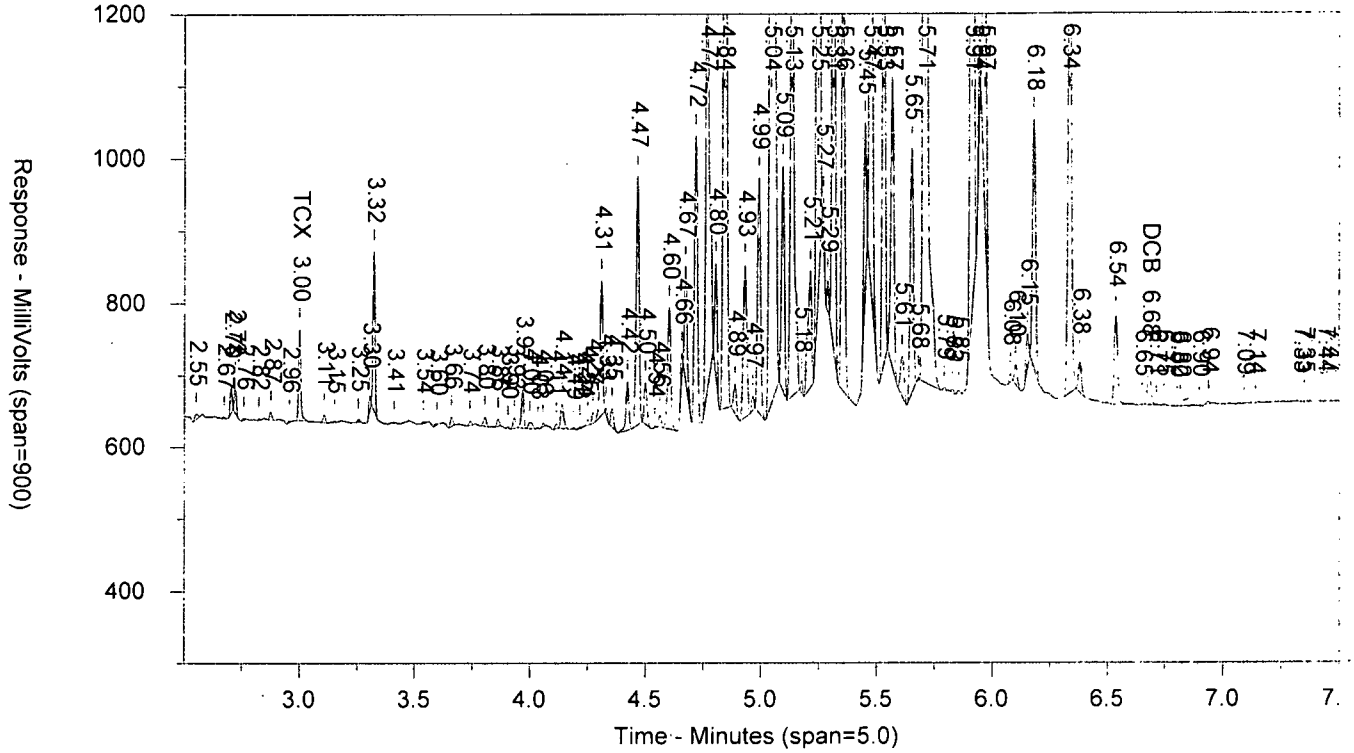

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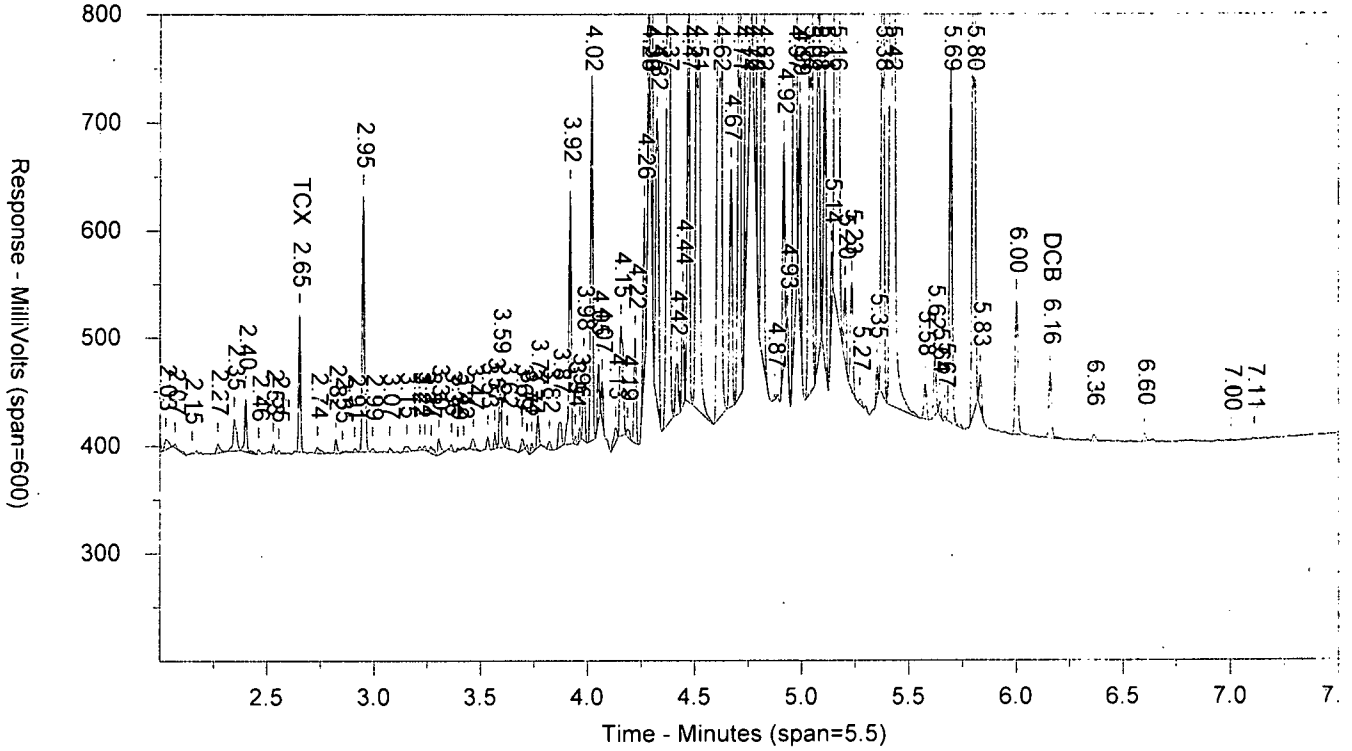

Standards Data

Polychlorinated Biphenyls (PCBs)

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17250001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 34

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	
5 IBLKX1724A	5	PIBLK	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1724999999	10736
6 EVALX1724A	6	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
7 AR1611724B	7	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	1	1724999999	10736
8 AR1621724B	8	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	2	1724999999	10736
9 AR1631724B	9	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	3	1724999999	10736
10 AR1641724B	10	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	4	1724999999	10736
11 AR1651724B	11	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	5	1724999999	10736
12 AR1661724A	12	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	6	1724999999	10736
13 AR4811724C	13	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
14 AR4821724C	14	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
15 AR4831724C	15	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
16 AR4841724C	16	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
17 AR4851724C	17	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
18 AR4861724B	18	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
19 AR5411724B	19	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
20 AR5421724B	20	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
21 AR5431724B	21	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
22 AR5441724B	22	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
23 AR5451724B	23	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
24 AR5461724A	24	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
25 AR6231724A	25	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
26 AR6831724B	26	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
27 AR2131724A	27	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
28 AR3231724A	28	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
29 AR4231724A	29	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
30 AR16XX1724B	30	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
31 MD16X1724B	31	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
32 IC16X1724C	32	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
33 IC48X1724B	33	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736
34 IC54X1724A	34	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1724999999	10736

2301 9/1/17

Set-up by: 72855 Date: 7 Aug 17

9/7/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17250008.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 105

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	
5 AR1641724B	5	CCAL	ZQ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	10736
6 IBLKX1724B	6	PIBLK	ZZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725999999	10736
7 BLANKA 9/16/17 CAF	7	BLK	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172590001A	10592
8 LCSA 9/16/17 CAF	8	LCS	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172590001A	10592
9 9211608 RI CAF	9	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.27	10	1	0	172590001A	10592
10 9211608 CAF DF5	10	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.27	50	1	0	172590001A	10592
11 9211609 RI CAF	11	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.04	10	1	0	172590001A	10592
12 9211609 CAF DF5	12	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.04	50	1	0	172590001A	10592
13 9211609MS CAF	13	MS	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.36	10	1	0	172590001A	10592
14 9211609MS CAF DF5	14	MS	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.36	50	1	0	172590001A	10592
15 9211609MSD CAF	15	MSD	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.02	10	1	0	172590001A	10592
16 9211609MSD CAF DF5	16	MSD	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.02	50	1	0	172590001A	10592
17 BLANKA 9/16/17 ACF	17	BLK	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172590002A	10225
18 LCSA 9/16/17 ACF	18	LCS	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172590002A	10225
19 9211796 ACF DF50	19	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	500	1	0	172590002A	10225
20 9211796MS ACF DF50	20	MS	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.1	500	1	0	172590002A	10225
21 9211796MSD ACF DF50	21	MSD	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	500	1	0	172590002A	10225
22 9211797 ACF DF5	22	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	50	1	0	172590002A	10225
23 9211797 ACF DF10	23	T	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	100	1	0	172590002A	10225
24 BLANKA 9/10/17 ACF	24	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172510039A	10225
25 LCSA 9/10/17 ACF	25	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172510039A	10225
26 AR1641724B	26	CCAL	ZR	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	10736
27 IBLKX1724B	27	PIBLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725999999	10736
28 9197259 ACF DF20	28	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	200	1	0	172510039A	10225
29 9197260 ACF DF50	29	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.33	500	1	0	172510039A	10225
30 9197261 ACF DF50	30	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.37	500	1	0	172510039A	10225
31 9197262 ACF DF50	31	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	500	1	0	172510039A	10225
32 9197263 ACF DF20	32	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.47	200	1	0	172510039A	10225
33 9197264 ACF DF50	33	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.23	500	1	0	172510039A	10225
34 9197265 ACF DF20	34	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.11	200	1	0	172510039A	10225
35 9197266 ACF DF20	35	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	200	1	0	172510039A	10225
36 9197267 ACF DF10	36	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.37	100	1	0	172510039A	10225
37 9197268 ACF DF100	37	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.14	1000	1	0	172510039A	10225
38 9197269 ACF DF50	38	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	500	1	0	172510039A	10225
39 9197270 ACF DF20	39	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	200	1	0	172510039A	10225
40 9197271 ACF DF20	40	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.47	200	1	0	172510039A	10225
41 9197272 ACF DF50	41	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	500	1	0	172510039A	10225
42 9197275 ACF DF100	42	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.35	1000	1	0	172510039A	10225
43 9197276MS ACF DF100	43	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	1000	1	0	172510039A	10225
44 9197277MSD ACF DF100	44	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	1000	1	0	172510039A	10225
45 9197278 ACF DF100	45	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	1000	1	0	172510039A	10225
46 9197307 ACF DF50	46	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.02	500	1	0	172510039A	10225
47 9197308 ACF DF5	47	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.1	50	1	0	172510039A	10225
48 AR1641724B	48	CCAL	ZS	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	10736
49 IBLKX1724B	49	PIBLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725999999	10736
50 9197309 ACF DF5	50	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	50	1	0	172510039A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17250008.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 105

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9197310 ACF DF100	51	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	1000	1	0	172510039A	10225
52 BLANKA 9/13/17 ACF	52	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172550024A	10225
53 LCSA 9/13/17 ACF	53	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172550024A	10225
54 9200158 ACF DF10	54	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.07	100	1	0	172550024A	10225
55 9200159MS ACF DF10	55	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.39	100	1	0	172550024A	10225
56 9200160MSD ACF DF10	56	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.4	100	1	0	172550024A	10225
57 9200161 ACF DF10	57	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.34	100	1	0	172550024A	10225
58 9200172 ACF DF50	58	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	500	1	0	172550024A	10225
59 9200173 ACF DF50	59	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	500	1	0	172550024A	10225
60 9200174 ACF DF100	60	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.02	1000	1	0	172550024A	10225
61 9202597 ACF DF50	61	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.39	500	1	0	172550024A	10225
62 9202598 ACF DF200	62	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.16	2000	1	0	172550024A	10225
63 9202599 ACF DF5	63	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.2	50	1	0	172550024A	10225
64 9202600 ACF DF500	64	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.01	5000	1	0	172550024A	10225
65 9202601 ACF DF500	65	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.14	5000	1	0	172550024A	10225
66 9202602 ACF DF500	66	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	5000	1	0	172550024A	10225
67 9202602 ACF DF1000	67	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	10000	1	0	172550024A	10225
68 9202603 ACF DF100	68	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	1000	1	0	172550024A	10225
69 9202604 ACF DF2000	69	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	20000	1	0	172550024A	10225
70 AR1641724B	70	CCAL	ZT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	10736
71 IBLKX1724B	71	PIBLK	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725999999	10736
72 9202604 ACF DF5000	72	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	50000	1	0	172550024A	10225
73 9202604 ACF DF10000	73	T	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	100000	1	0	172550024A	10225
74 9202605 ACF DF50	74	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.27	500	1	0	172550024A	10225
75 9202606 ACF DF1000	75	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	10000	1	0	172550024A	10225
76 9202606 ACF DF2000	76	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	20000	1	0	172550024A	10225
77 9202606 ACF DF5000	77	T	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	50000	1	0	172550024A	10225
78 9202607 ACF DF100	78	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.32	1000	1	0	172550024A	10225
79 9202608 ACF DF500	79	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.21	5000	1	0	172550024A	10225
80 9202609 ACF DF20	80	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.13	200	1	0	172550024A	10225
81 9202610 ACF DF200	81	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.2	2000	1	0	172550024A	10225
82 9202611 ACF DF100	82	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.34	1000	1	0	172550024A	10225
83 BLANKA 9/13/17 ACF	83	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172560012A	10225
84 LCSA 9/13/17 ACF	84	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172560012A	10225
85 9202643 ACF DF50	85	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	500	1	0	172560012A	10225
86 9202644 ACF DF20	86	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	200	1	0	172560012A	10225
87 9202645 ACF DF20	87	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.4	200	1	0	172560012A	10225
88 9202646 ACF DF20	88	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.35	200	1	0	172560012A	10225
89 9202647 ACF DF50	89	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.11	500	1	0	172560012A	10225
90 9202648 ACF DF50	90	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	500	1	0	172560012A	10225
91 9202649 ACF DF10	91	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	100	1	0	172560012A	10225
92 AR1641724B	92	CCAL	ZU	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	10736
93 IBLKX1724B	93	PIBLK	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725999999	10736
94 9202650 ACF DF10	94	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.31	100	1	0	172560012A	10225
95 9202651 ACF DF10	95	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	100	1	0	172560012A	10225
96 9202652 ACF DF20	96	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	200	1	0	172560012A	10225
97 9202653 ACF DF10	97	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	100	1	0	172560012A	10225
98 9202654MS ACF DF10	98	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.18	100	1	0	172560012A	10225
99 9202655MSD ACF DF10	99	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.16	100	1	0	172560012A	10225
100 9202656 ACF DF50	100	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	500	1	0	172560012A	10225

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CHROM PERFECT SEQUENCE FILE

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 105

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101	9202657 ACF DF20	101	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	.5200005	200	1	0	172560012A	10225
102	9202658 ACF DF5	102	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	50	1	0	172560012A	10225
103	9202659 ACF DF100	103	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.2	1000	1	0	172560012A	10225
104	AR1641724B	104	CCAL	ZV	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725999999	10736
105	IBLKX1724B	105	PIBLK	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725999999	10736

Shafinie Dowlatram
Specialist

SEP 1 8 2017

Set-up by: 2855 Date: 18 Sept 17

9/17/2017

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CHROM PERFECT SEQUENCE FILE

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Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 94

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	
5 AR1641724B	5	CCAL	ZA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	10736
6 IBLKX1724B	6	PIBLK	ZG	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725799999	10736
7 BLANKA 9/15/17 AF	7	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172570037A	10591
8 LCSA 9/15/17 AF	8	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172570037A	10591
9 LCSDA 9/15/17 AF	9	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172570037A	10591
10 9208487 AF	10	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	226	2	1	0	172570037A	10591
11 BLANKA 9/15/17 ACF	11	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3	10	1	0	172570041A	10592
12 LCSA 9/15/17 ACF	12	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3	10	1	0	172570041A	10592
13 BLANKA 9/15/17 ACF	13	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172570040A	10225
14 LCSA 9/15/17 ACF	14	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172570040A	10225
15 9208798 ACF	15	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	10	1	0	172570040A	10225
16 9208798MS ACF	16	MS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	10	1	0	172570040A	10225
17 9208798MSD ACF	17	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	10	1	0	172570040A	10225
18 9208799 ACF DF20	18	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	200	1	0	172570040A	10225
19 9208800 ACF DF20	19	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	200	1	0	172570040A	10225
20 9208801 ACF DF50	20	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.46	500	1	0	172570040A	10225
21 AR1641724B	21	CCAL	ZB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	10736
22 IBLKX1724B	22	PIBLK	ZH	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725799999	10736
23 9208485 ACF	23	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3	10	1	0	172570041A	10592
24 9208486 ACF	24	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.1	10	1	0	172570041A	10592
25 9208486MS ACF	25	MS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.2	10	1	0	172570041A	10592
26 9208486MSD ACF	26	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.2	10	1	0	172570041A	10592
27 HEXANE	27	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	
28 AR1641724B	28	CCAL	ZC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	10736
29 IBLKX1724B	29	PIBLK	ZI	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725799999	10736
30 BLANKA 9/11/17 RI ACF	30	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172510042A	10225
31 LCSA 9/11/17 RI ACF	31	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172510042A	10225
32 9197321 RI ACF DF20	32	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	200	1	0	172510042A	10225
33 9197322MS RI ACF DF20	33	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.07	200	1	0	172510042A	10225
34 9197323MSD RI ACF DF20	34	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.34	200	1	0	172510042A	10225
35 9197324 RI ACF DF50	35	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.5	500	1	0	172510042A	10225
36 9197329 RI ACF DF20	36	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	200	1	0	172510042A	10225
37 9197330 RI ACF DF50	37	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.1	500	1	0	172510042A	10225
38 9197331 RI ACF DF20	38	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.35	200	1	0	172510042A	10225
39 9197332 ACF DF20	39	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	200	1	0	172510042A	10225
40 9197333 ACF DF50	40	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	500	1	0	172510042A	10225
41 9197334 ACF DF50	41	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	500	1	0	172510042A	10225
42 9197335 ACF DF50	42	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.41	500	1	0	172510042A	10225
43 9197336 ACF DF50	43	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.5	500	1	0	172510042A	10225
44 BLANKA 9/10/17 ACF	44	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172510041A	10225
45 LCSA 9/10/17 ACF	45	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172510041A	10225
46 9197303 ACF DF5	46	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	50	1	0	172510041A	10225
47 9197304MS ACF DF5	47	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	50	1	0	172510041A	10225
48 9197305MSD ACF DF5	48	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.48	50	1	0	172510041A	10225
49 9197306 ACF DF10	49	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.22	100	1	0	172510041A	10225
50 AR1641724B	50	CCAL	ZD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	10736

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CHROM PERFECT SEQUENCE FILE

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 94

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 IBLKX1724B	51	PIBLK	ZK	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725799999	10736
52 9197325 ACF DF20	52	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.16	200	1	0	172510041A	10225
53 9197326 ACF DF100	53	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.31	1000	1	0	172510041A	10225
54 9197327 ACF DF50	54	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	500	1	0	172510041A	10225
55 9197328 ACF DF10	55	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.42	100	1	0	172510041A	10225
56 BLANKA 9/10/17 CAF	56	BLK	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172510040A	10225
57 LCSA 9/10/17 CAF	57	LCS	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172510040A	10225
58 9197280 CAF DF50	58	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.45	500	1	0	172510040A	10225
59 9197281MS CAF DF50	59	MS	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	500	1	0	172510040A	10225
60 9197282MSD CAF DF50	60	MSD	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.33	500	1	0	172510040A	10225
61 9197283 CAF DF50	61	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	500	1	0	172510040A	10225
62 9197311 CAF DF10	62	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	100	1	0	172510040A	10225
63 9197312 CAF DF100	63	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	1000	1	0	172510040A	10225
64 9197313 CAF	64	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.14	10	1	0	172510040A	10225
65 9197314 CAF DF100	65	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.2	1000	1	0	172510040A	10225
66 9197315 CAF	66	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	10	1	0	172510040A	10225
67 9197316 CAF DF5	67	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.34	50	1	0	172510040A	10225
68 9197317 CAF DF50	68	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	500	1	0	172510040A	10225
69 9197318 CAF DF100	69	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.5	1000	1	0	172510040A	10225
70 9197319 CAF DF50	70	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	500	1	0	172510040A	10225
71 9197320 CAF DF100	71	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	1000	1	0	172510040A	10225
72 AR1641724B	72	CCAL	ZE	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	10736
73 IBLKX1724B	73	PIBLK	ZL	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725799999	10736
74 9202660 ACF DF50	74	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.13	500	1	0	172560030A	10225
75 9202661 ACF DF20	75	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	200	1	0	172560030A	10225
76 9202662 ACF DF20	76	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.35	200	1	0	172560030A	10225
77 9202663 ACF DF200	77	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.18	2000	1	0	172560030A	10225
78 9202664 ACF DF5	78	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.11	50	1	0	172560030A	10225
79 9202665 ACF DF200	79	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.47	2000	1	0	172560030A	10225
80 9202666 ACF DF20	80	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	200	1	0	172560030A	10225
81 9202667 ACF DF100	81	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	1000	1	0	172560030A	10225
82 9202668 ACF DF50	82	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.5	500	1	0	172560030A	10225
83 9202669 ACF DF100	83	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.29	1000	1	0	172560030A	10225
84 BLANKA 9/13/17 ACF	84	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172550025A	10225
85 LCSA 9/13/17 ACF	85	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172550025A	10225
86 9202612 ACF DF500	86	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.1	5000	1	0	172550025A	10225
87 9202613 ACF DF200	87	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.4	2000	1	0	172550025A	10225
88 9202614 ACF DF200	88	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.5	2000	1	0	172550025A	10225
89 9202615 ACF DF50	89	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	500	1	0	172550025A	10225
90 9202616 ACF DF50	90	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.11	500	1	0	172550025A	10225
91 9202617MS ACF DF50	91	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.11	500	1	0	172550025A	10225
92 9202618MSD ACF DF50	92	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.13	500	1	0	172550025A	10225
93 AR1641724B	93	CCAL	ZF	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1725799999	10736
94 IBLKX1724B	94	PIBLK	ZM	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1725799999	10736

9/15/17

Set-up by: 492amdale Date: 9/15/17

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17250009.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 64

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1726099999	
2	CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1726099999	
3	CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1726099999	
4	CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1726099999	
5	AR1641724B	5	CCAL	AM	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1726099999	10736
6	IBLKX1724B	6	PIBLK	AY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1726099999	10736
7	9202613 ACF DF20	7	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.4	200	1	0	172550025A	10225
8	9202666 ACF	8	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	10	1	0	172560030A	10225
9	9202666 ACF DF5	9	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	50	1	0	172560030A	10225
10	9197316 CAF DF50	10	T	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.34	500	1	0	172510040A	10225
11	BLANKA 9/14/17 ACF	11	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172560044A	10225
12	LCSA 9/14/17 ACF	12	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172560044A	10225
13	9202701 ACF DF50	13	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.16	500	1	0	172560044A	10225
14	9202702 ACF DF10	14	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.29	100	1	0	172560044A	10225
15	9202703 ACF DF10	15	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	100	1	0	172560044A	10225
16	9202704 ACF DF50	16	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.42	500	1	0	172560044A	10225
17	9202705 ACF DF100	17	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.5	1000	1	0	172560044A	10225
18	9202706 ACF DF50	18	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	500	1	0	172560044A	10225
19	9202707MS ACF DF50	19	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	500	1	0	172560044A	10225
20	9202708MSD ACF DF50	20	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.06	500	1	0	172560044A	10225
21	9202709 ACF DF50	21	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.27	500	1	0	172560044A	10225
22	9202710 ACF DF5	22	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.5	50	1	0	172560044A	10225
23	9202711 ACF DF20	23	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.27	200	1	0	172560044A	10225
24	9202712 ACF DF20	24	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	200	1	0	172560044A	10225
25	9202713 ACF DF50	25	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	500	1	0	172560044A	10225
26	9202714 ACF DF20	26	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.21	200	1	0	172560044A	10225
27	AR1641724B	27	CCAL	AN	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1726099999	10736
28	IBLKX1724B	28	PIBLK	AZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1726099999	10736
29	9202715 ACF DF50	29	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.36	500	1	0	172560044A	10225
30	BLANKA 9/14/17 ACF	30	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172560041A	10225
31	LCSA 9/14/17 ACF	31	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172560041A	10225
32	9202691 ACF DF100	32	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.45	1000	1	0	172560041A	10225
33	9202692MS ACF DF100	33	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.31	1000	1	0	172560041A	10225
34	9202693MSD ACF DF100	34	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.11	1000	1	0	172560041A	10225
35	9202694 ACF DF100	35	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.37	1000	1	0	172560041A	10225
36	9202695 ACF DF200	36	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.36	2000	1	0	172560041A	10225
37	9202696 ACF DF50	37	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.34	500	1	0	172560041A	10225
38	9202697 ACF DF50	38	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	500	1	0	172560041A	10225
39	9202698 ACF DF50	39	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.41	500	1	0	172560041A	10225
40	9202699 ACF DF10	40	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.37	100	1	0	172560041A	10225
41	9202700 ACF DF50	41	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.11	500	1	0	172560041A	10225
42	BLANKA 9/14/17 ACF	42	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172560040A	10225
43	LCSA 9/14/17 ACF	43	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172560040A	10225
44	9202673 ACF DF50	44	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.5	500	1	0	172560040A	10225
45	9202674 ACF DF50	45	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.4	500	1	0	172560040A	10225
46	9202675 ACF DF50	46	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.27	500	1	0	172560040A	10225
47	9202676 ACF DF200	47	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.31	2000	1	0	172560040A	10225
48	9202677 ACF DF50	48	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	500	1	0	172560040A	10225
49	AR1641724B	49	CCAL	AO	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1726099999	10736
50	IBLKX1724B	50	PIBLK	BA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1726099999	10736

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17250009.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 64

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9202678 ACF DF100	51	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	1000	1	0	172560040A	10225
52 9202680 ACF DF50	52	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	500	1	0	172560040A	10225
53 9202681MS ACF DF50	53	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.13	500	1	0	172560040A	10225
54 9202682MSD ACF DF50	54	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.43	500	1	0	172560040A	10225
55 9202683 ACF DF50	55	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.42	500	1	0	172560040A	10225
56 9202684 ACF DF100	56	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.13	1000	1	0	172560040A	10225
57 9202685 ACF DF100	57	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.47	1000	1	0	172560040A	10225
58 9202686 ACF DF20	58	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.24	200	1	0	172560040A	10225
59 9202687 ACF DF50	59	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	500	1	0	172560040A	10225
60 9202688 ACF DF20	60	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.02	200	1	0	172560040A	10225
61 9202689 ACF DF100	61	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	1000	1	0	172560040A	10225
62 9202690 ACF DF50	62	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.02	500	1	0	172560040A	10225
63 AR1641724B	63	CCAL	AP	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1726099999	10736
64 IBLKX1724B	64	PIBLK	BB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1726099999	10736

DB 12669

9/18/17

Set-up by: 72855 Date: 18 Sept 17

9/18/2017

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:11:11 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.635		20360	21966
1.668		8705	21170
1.792		3634	2519
2.11		30484	61020
2.148		29107	89093
2.219		5531	5166
2.295		38673	28345
2.389		9814	5667
2.403		14702	10359
2.433		7245	7129
2.549		13028	11484
2.719		3740	1773
2.926		41658	68895
2.956		7785	7633
2.999	TCX	7640050	4786910
3.196		113894	73924
3.327		32255	38133
3.42		1516	614
3.456		2931	1566
3.667		4969	9429
3.793		2275	1612
3.859		1204	553
3.872		1789	524
3.898		1452	522
3.925		1050	520
3.944		1053	352
3.989		3056	2465
4.052		1187	498
4.247		11116	11348
4.293		10129	8352
4.327		7953	8287
4.358		4296	3852
4.447		2534	1815
4.514		991	514
4.559		2037	1443
4.683		4083	7489
4.802		1954	1245
4.964		11118	9415
5.039		3700	5423
5.113		1431	1027
5.15		2069	1155
5.205		20997	20078
5.265		960	429
5.323		1291	660
5.4		2653	7592
5.474		1074	3266
5.553		1967	1309
5.608		20087	20680
5.729		53148	61873
5.792		1333	1321
5.829		1471	554
5.86		1717	818
5.906		3692	4133

RT A	Compound A	Height A	Area A
5.961		2858	3644
6.047		585	11633
6.099		100829	93674
6.135		1612	481
6.162		116762	136174
6.302		2915	4586
6.332		2350	2677
6.425		1925	845
6.469		2572	1233
6.532		47964	45169
6.591		1178	671
6.63		1357	434
6.679	DCB	2453358	2616777
6.806		2148	4012
6.901		1334	981
6.924		1568	478
6.949		1766	626
7.071		1918	1047
7.121		1366	1067
7.234		1726	1112
7.257		2062	512
7.284		1345	1036
7.395		1909	773
7.411		2046	871
7.439		1100	807
7.528		1805	632
7.54		1420	390
7.584		1126	290
7.641		1344	776
7.676		1481	431
7.703		1430	1115
7.74		1312	927
7.771		2206	519
7.792		1434	729
7.89		1631	783
8.066		1601	1219
8.128		1355	1065
8.146		2365	1089
8.288		2458	583
8.297		2237	876
8.379		2118	1312
8.426		1974	1167
8.458		1707	343
8.469		1505	661
8.487		2813	628
8.518		1396	367
8.621		1910	591

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:11:11 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.588		3986	3576
1.761		2768	6603
1.834		7399	9470
1.967		39234	33712
2.03		8464	13641
2.093		14142	9804
2.171		3692	8834
2.227		2100	4363
2.272		6427	8350
2.398		3149	2431
2.51		15641	43894
2.585		14200	62918
2.653	TCX	7909439	4766540
2.813		5053	5796
2.871		113272	71089
2.987		21255	12764
3.165		3313	6204
3.212		2060	3008
3.329		5242	2748
3.362		5018	4573
3.415		3310	7285
3.468		1328	803
3.488		2114	1080
3.597		2082	1504
3.646		1652	1113
3.673		3835	5047
3.844		3536	6064
3.908		1843	2005
3.98		13248	11603
4.063		4560	5294
4.116		3694	2740
4.273		2663	3475
4.486		12571	9625
4.613		1642	1745
4.689		1744	976
4.715		18755	13217
5.033		3846	4300
5.11		16507	13266
5.233		51612	49885
5.42		3038	3074
5.575		79796	67789
5.643		95019	80531
5.691		17049	15493
5.999		52639	45035
6.034		2323	2140
6.159	DCB	3057862	2737537
7.311		3236	7476
7.554		1242	2483
8.294		7241	14714

IBLKX1724A AAPIBLKAA PIBLK1724999999 10736 SW-846 8082

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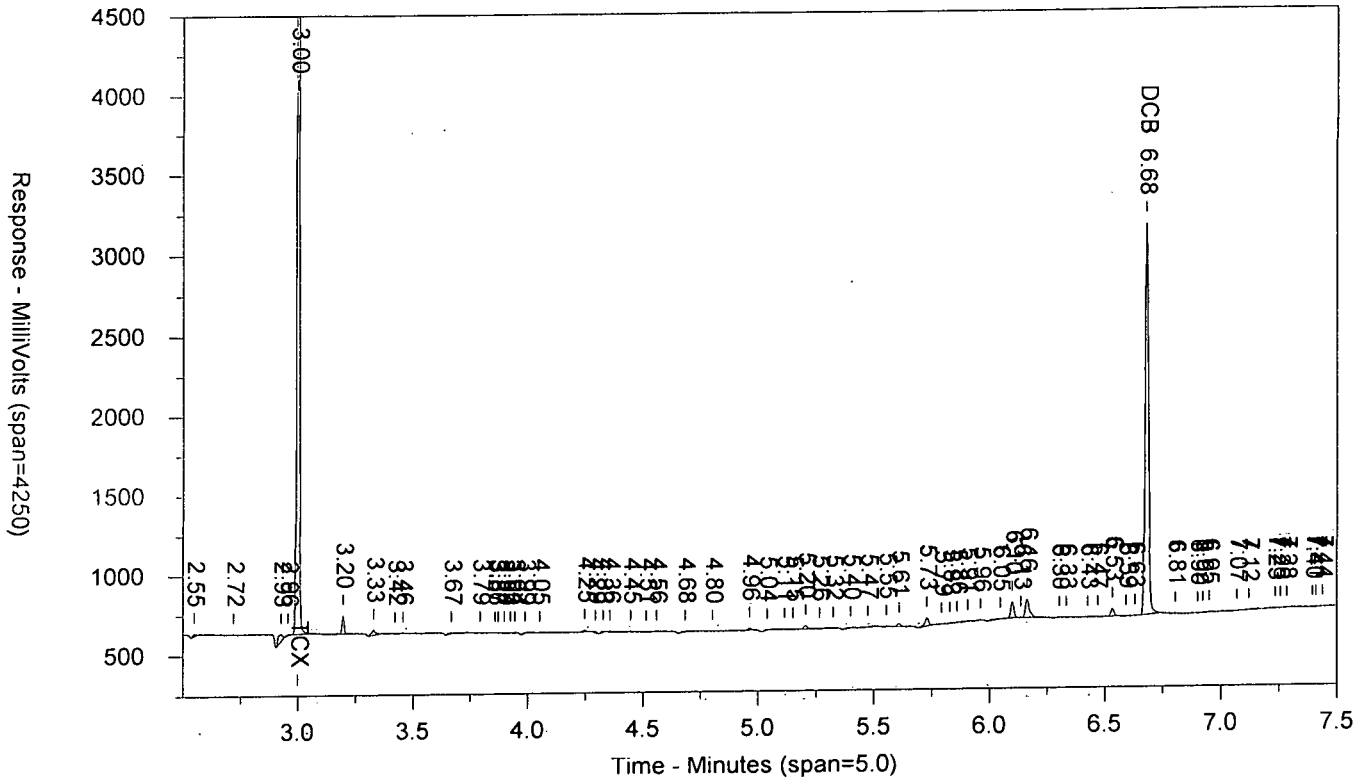

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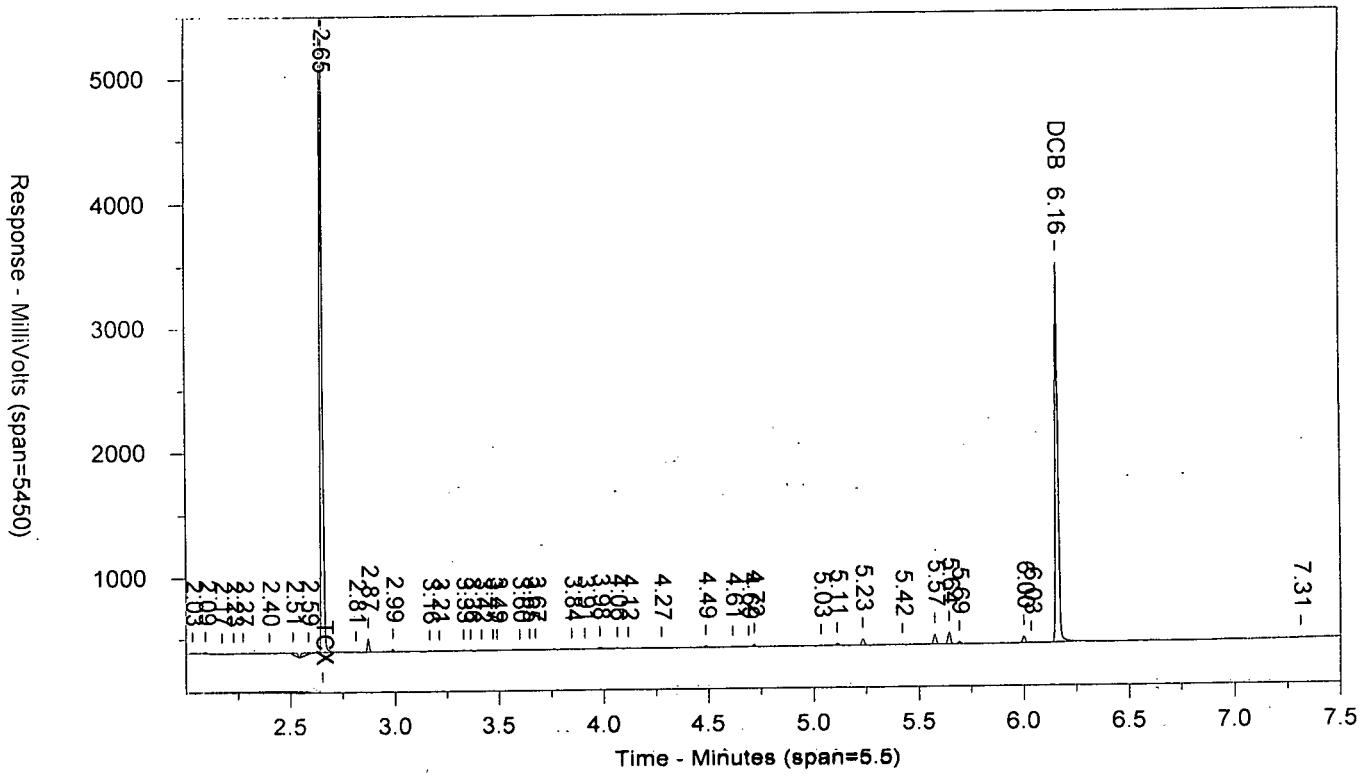

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:11:11 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	7640050	.202	TCX	2.653	7909439	.196	TCX
6.679	2453358	.162	DCB	6.159	3057862	.162	DCB

Files:
Area File: 07pcbs17250001.0005.RAW
Area File: 07pcbs17250001B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/7/2017 11:19:53 PM
File Reported On: 9/7/2017 at 11:20:04 PM

IBLKX1724A AAPIBLKAA PIBLK1724999999 10736 SW-846 8082

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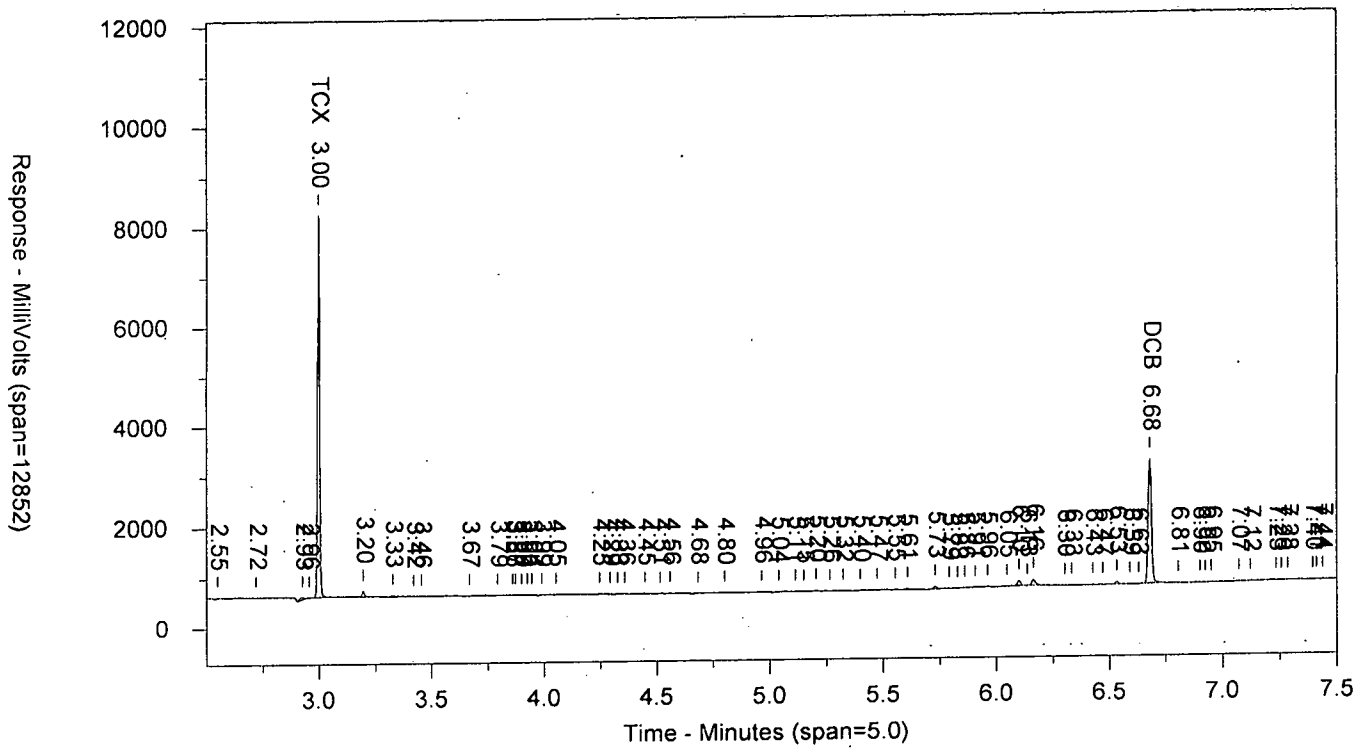

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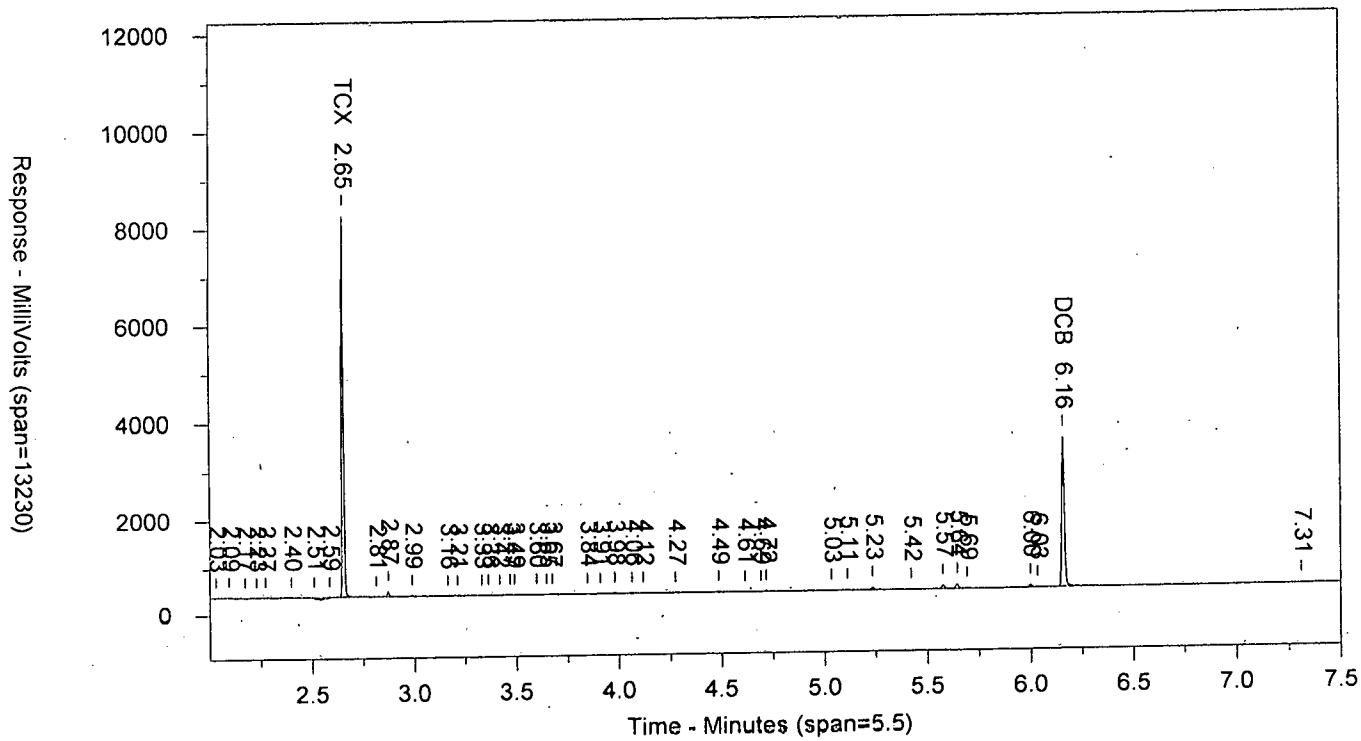

IBLKX1724A AAPIBLKAA PIBLK1724999999 10736 SW-846 8082

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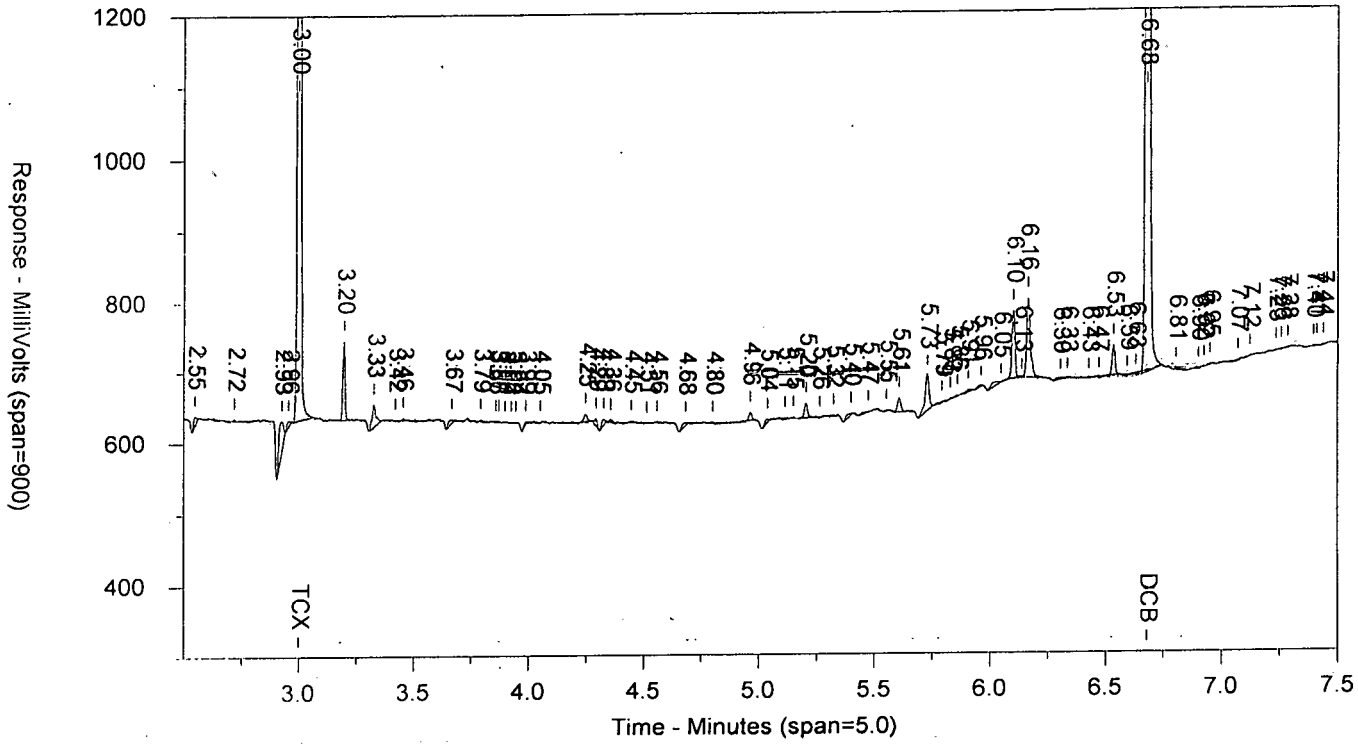

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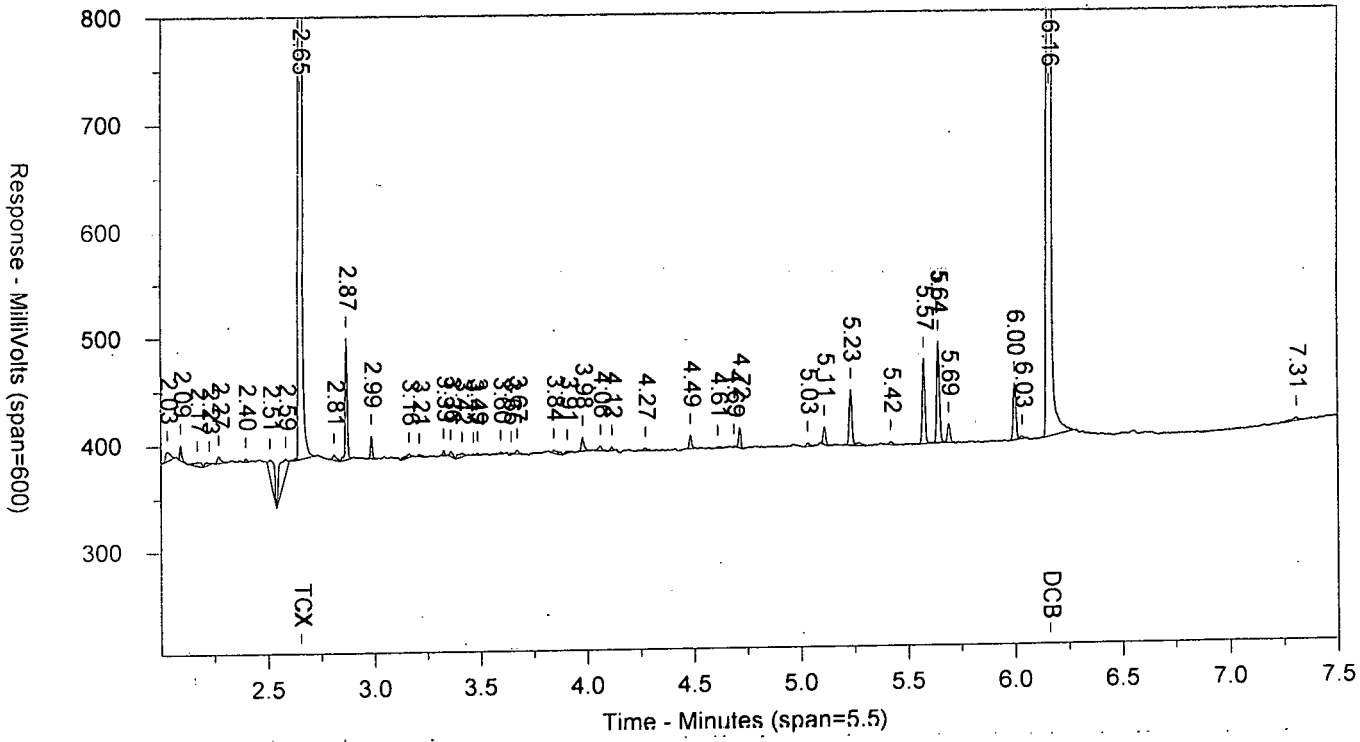

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:22:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.634		12917	14095
1.669		5107	11169
1.792		5411	4560
2.112		17412	31728
2.15		27344	58582
2.193		34145	27654
2.295		35507	30077
2.402		139849	114172
2.433		6236	6789
2.55		14946	12481
2.572		234341	163037
2.669		2916	2240
2.845		33826	25222
2.927		17791	28302
2.968		3465	7256
2.999	TCX	7298671	4687088
3.197		105412	70202
3.278		3976942	2499600
3.328		28593	30620
3.379		23623	16383
3.475		1988080	1254953
3.511		28195	19333
3.585		1282392	832930
3.672		8789	11381
3.694		6009	4246
3.732		12948	13471
3.765		235023	177048
3.793		29949	20243
3.811		12493	6547
3.835		4377	3847
3.884		476018	363856
3.913		71471	48759
3.933		2452	799
3.999		9063	12440
4.039		4062	2792
4.074		2518	1770
4.128		118746	86009
4.159		83691	70075
4.212		47177	39032
4.249		159117	137313
4.282		85350	55846
4.299		84602	52276
4.335		5078	4759
4.372		9269	6548
4.429		19816	15146
4.461		1657778	1472596
4.591		25783	52616
4.619		142411	138534
4.655		157315	129241
4.73		19880	18819
4.781		715414	766302
4.883		1013799	990146
4.925		3428744	2939282

RT A	Compound A	Height A	Area A
4.95		332937	221646
4.973		47206	27048
4.995		18978	11122
5.028		1289680	1206073
5.111		290325	288274
5.181		628960	574741
5.264		33933	32055
5.341		42015	44681
5.4		3225	5711
5.43		9376	11407
5.481		585847	988290
5.573		16641	16052
5.619		47247	54795
5.667		27348	17776
5.687		82931	53010
5.705		265018	191999
5.73		27664	18881
5.794		1724	773
5.853		2427	2299
5.909		4782	5233
5.941		1739	974
5.959		4630	5771
6.023		4368	7471
6.1		104303	103954
6.163		118005	139138
6.295		1577	777
6.438		1544	657
6.464		1331	1320
6.533		50188	49650
6.647		1000	192
6.679	DCB	2643477	2704224
6.805		2268	1505
6.882		1859	437
6.901		1493	346
6.93		1278	274
6.959		1793	1694
7.055		1773	439
7.104		1542	617
7.146		2246	1483
7.2		1587	416
7.216		1460	986
7.345		2032	923
7.403		856	823
7.471		1894	749
7.529		1512	474
7.579		1751	586
7.634		1163	906
7.661		1755	454
7.671		1717	735
7.691		2084	782
7.716		1578	392
7.892		1351	1145
8.095		1449	686
8.182		1609	549
8.257		1354	254
8.506		1738	559
8.681		2815	1413

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:22:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.551		2361	1493
1.589		4840	3574
1.655		1853	1510
1.761		11944	16237
1.833		4382	9087
1.865		4418	7740
1.93		33748	23398
1.965		42526	44091
2.003		1997	1923
2.03		12587	18935
2.092		12275	8490
2.191		165394	105050
2.242		3616	2290
2.271		7557	8367
2.358		286886	175031
2.408		4861	5403
2.462		2447	1791
2.509		5805	17053
2.556		11581	14484
2.584		53460	40639
2.653	TCX	7473764	4505775
2.741		4565	5071
2.813		5121	5543
2.852		2048	1026
2.87		107197	62893
2.904		2685	1862
2.929		10600	7384
2.967		2917	1649
2.998		4358847	2457373
3.117		24370	14530
3.154		30398	21495
3.208		2719381	1504325
3.279		2907	2172
3.307		8530	7943
3.349		6040	2906
3.362		6254	2642
3.387		1431469	822859
3.445		35795	22952
3.47		39289	24162
3.489		18362	8876
3.51		680201	475817
3.542		76988	46335
3.582		19062	11306
3.621		6116	4563
3.678		2705	1837
3.706		8400	5596
3.749		2128	2121
3.803		118889	67171
3.818		64126	30157
3.835		110944	58138
3.854		12391	6487
3.88		162854	107567
3.9		106506	59450
3.937		17661	19172

3.956		2838	1751
3.98		13415	14592
4.014		4280	1783
4.035		1681310	1177317
4.063		20518	12698
4.104		23857	20243
4.138		20518	21199
4.169		13618	7446
4.192		125650	113126
4.236		60364	51803
4.288		154413	141926
4.347		17445	16594
4.413		792537	566525
4.436		31909	16347
4.472		3931097	3344958
4.512		137039	99590
4.567		2397349	1928206
4.609		54086	42580
4.678		91873	76551
4.71		55032	49776
4.746		783969	605428
4.806		814048	661741
4.838		287709	209799
4.919		51760	55326
4.96		3010	2502
5.035		2602	1580
5.075		1187772	1242327
5.179		817066	693621
5.233		21204	12681
5.251		167520	119355
5.303		5439	4012
5.356		1157679	981307
5.41		240283	195549
5.575		84553	70858
5.644		102520	86252
5.693		17358	14455
6		56997	47536
6.159	DCB	3164774	2858993
6.842		1843	1692
7.066		951	3103
7.621		1663	2147
8.295		6092	10343

EVALX1724A AAEVALXAA ICAL 1724999999 10736 SW-846 8082

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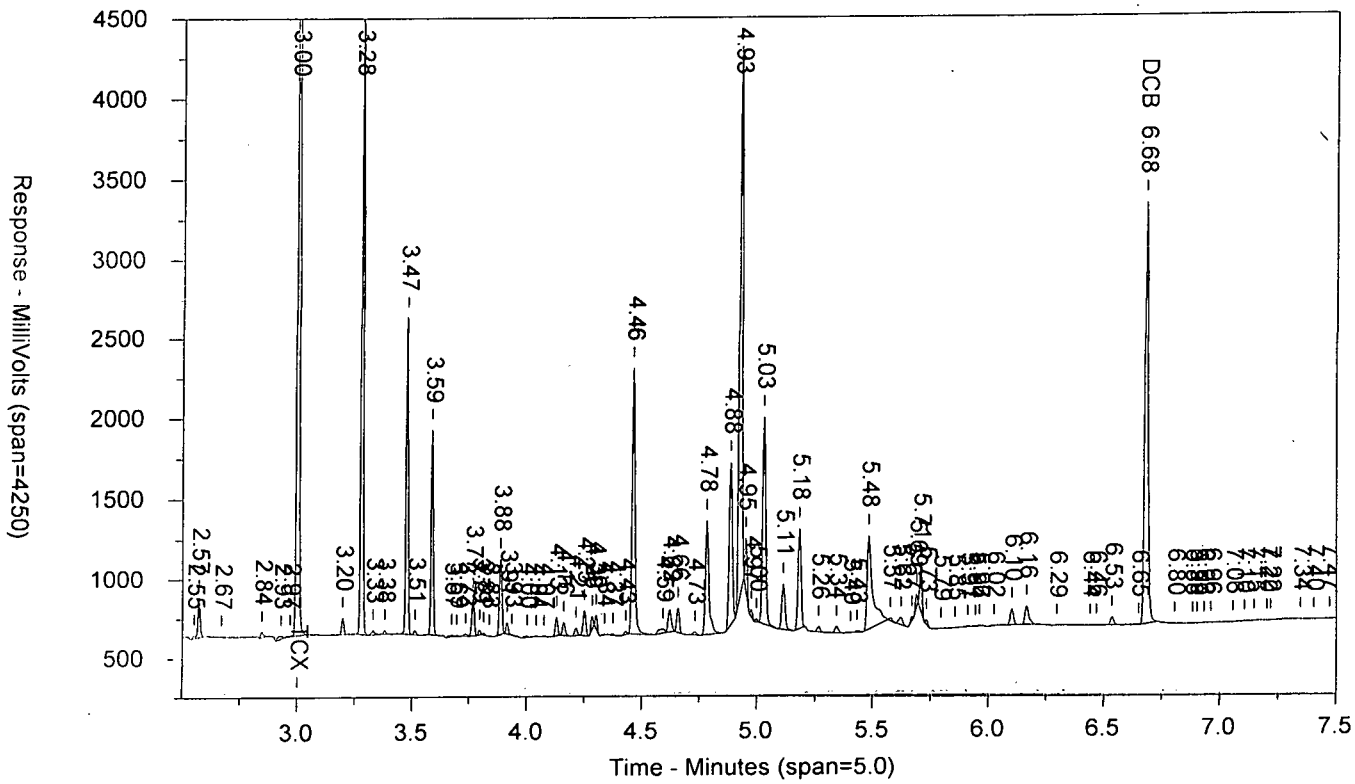

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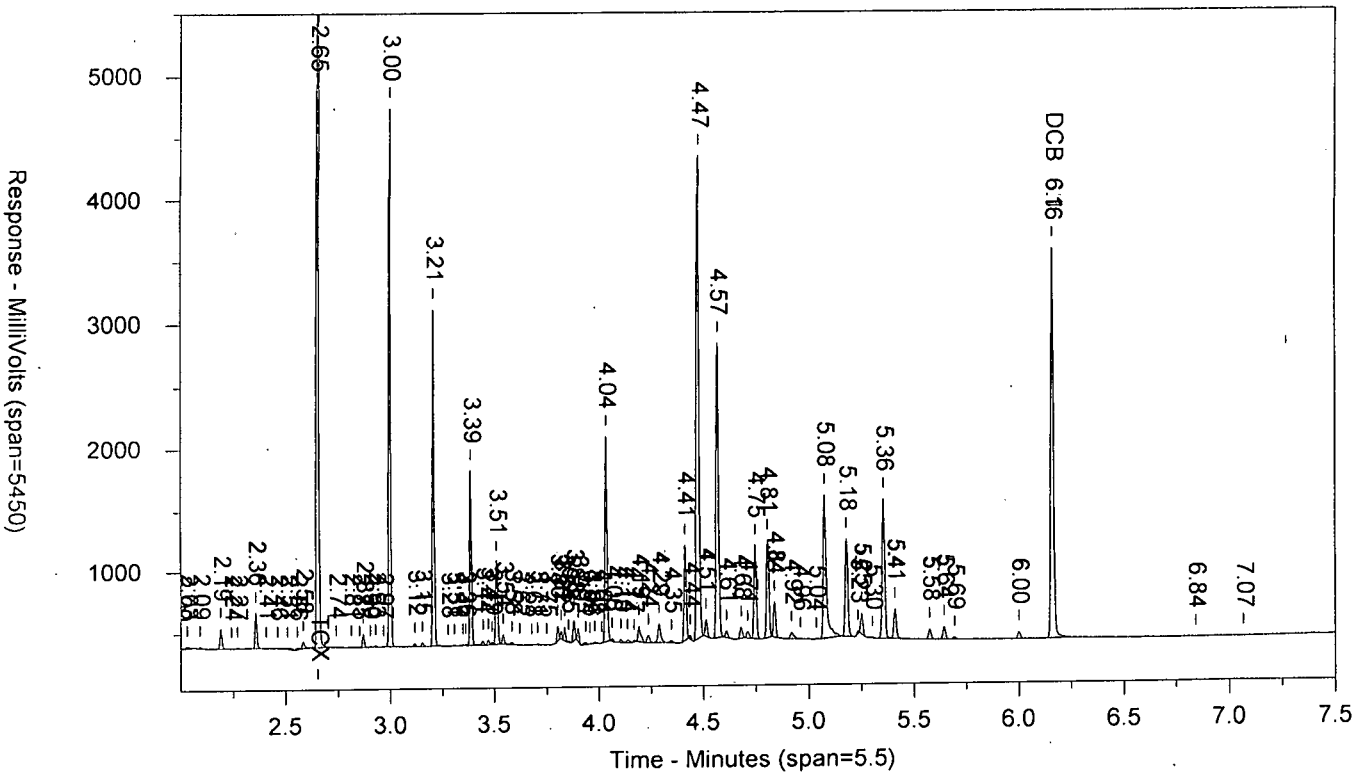

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:22:37 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	7298671	19.257	TCX	2.653	7473764	18.502	TCX
6.679	2643477	17.497	DCB	6.159	3164774	16.759	DCB

Files:
Area File: 07pcbs17250001.0006.RAW
Area File: 07pcbs17250001B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/7/2017 11:31:22 PM
File Reported On: 9/7/2017 at 11:31:34 PM

EVALX1724A AAEVALXAA ICAL 1724999999 10736 SW-846 8082

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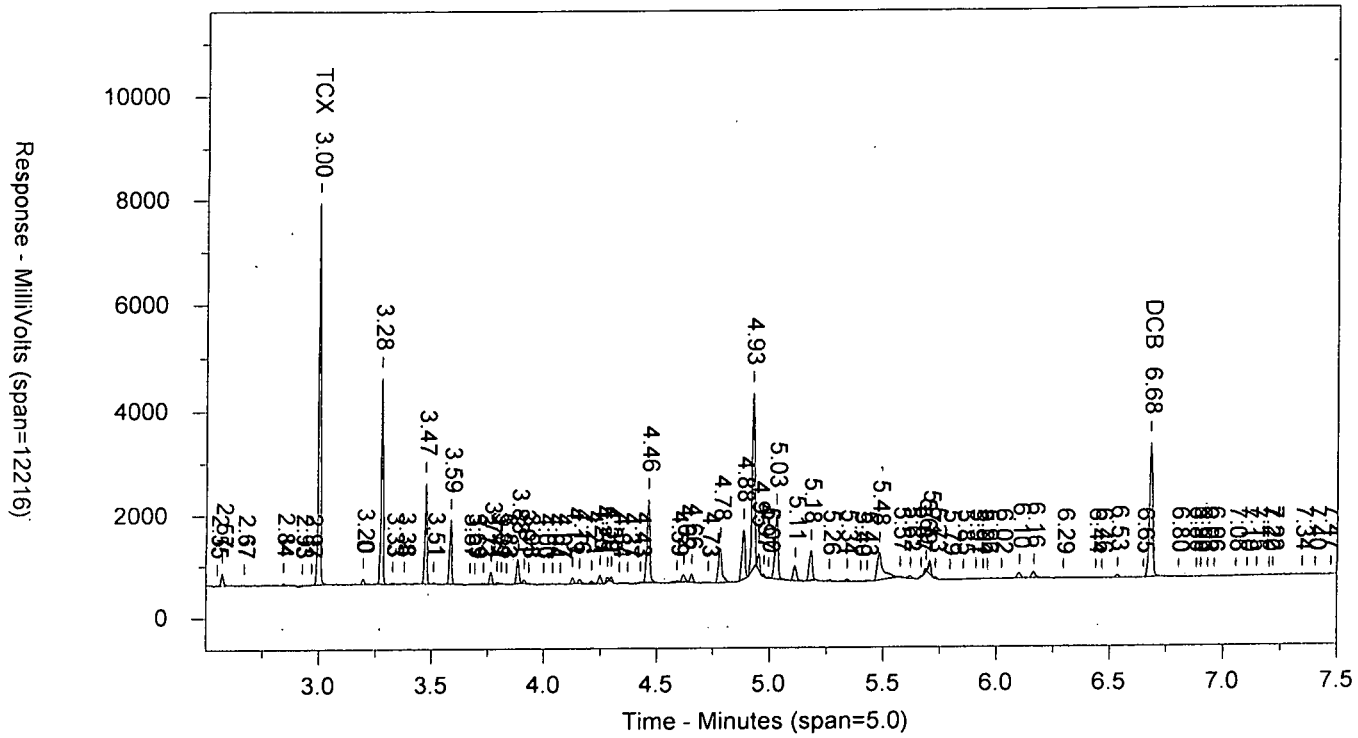

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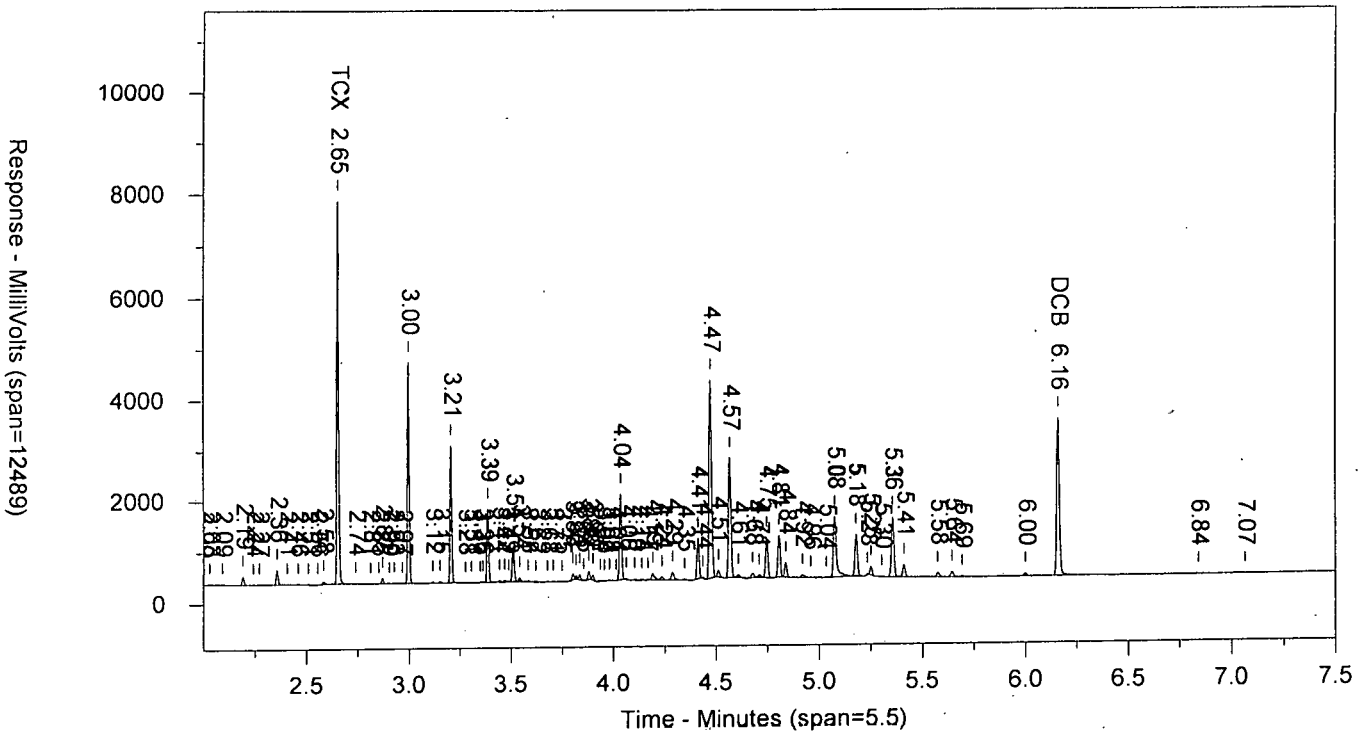

EVALX1724A AAEVALXAA ICAL 1724999999 10736 SW-846 8082

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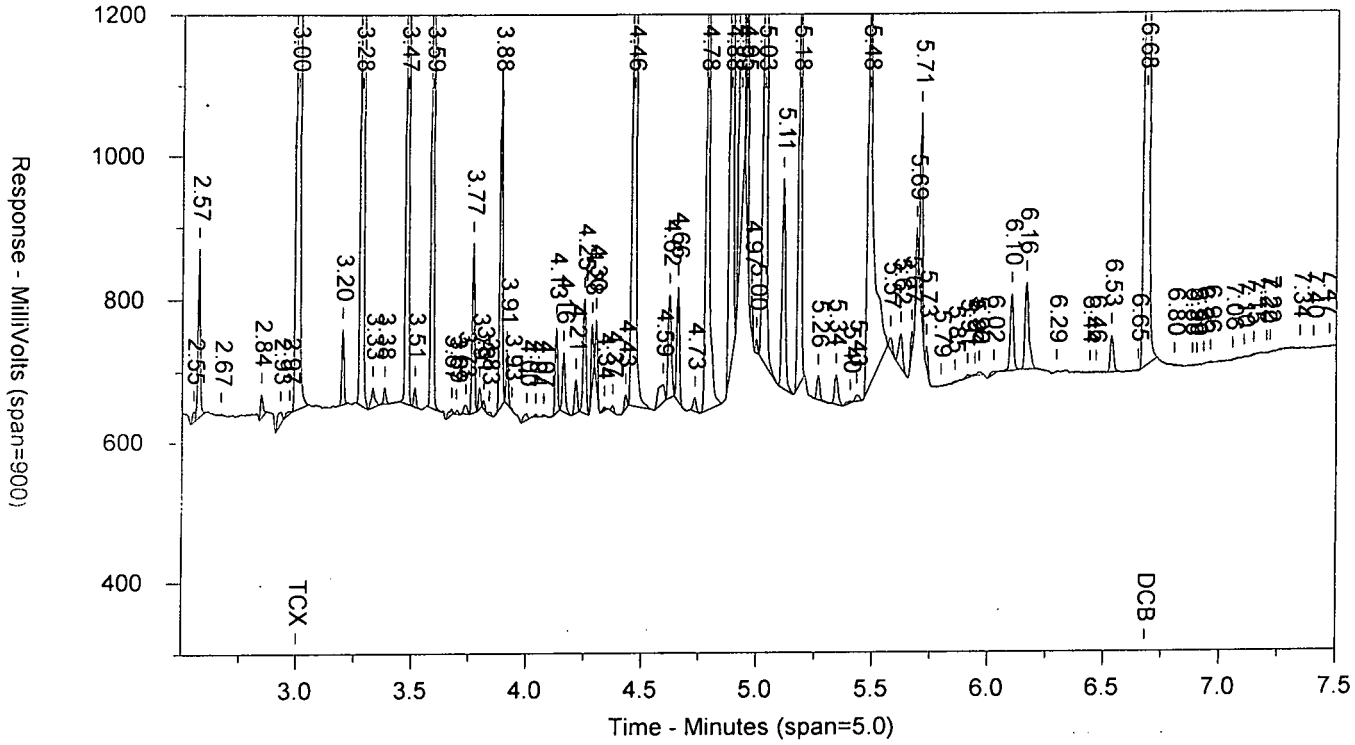

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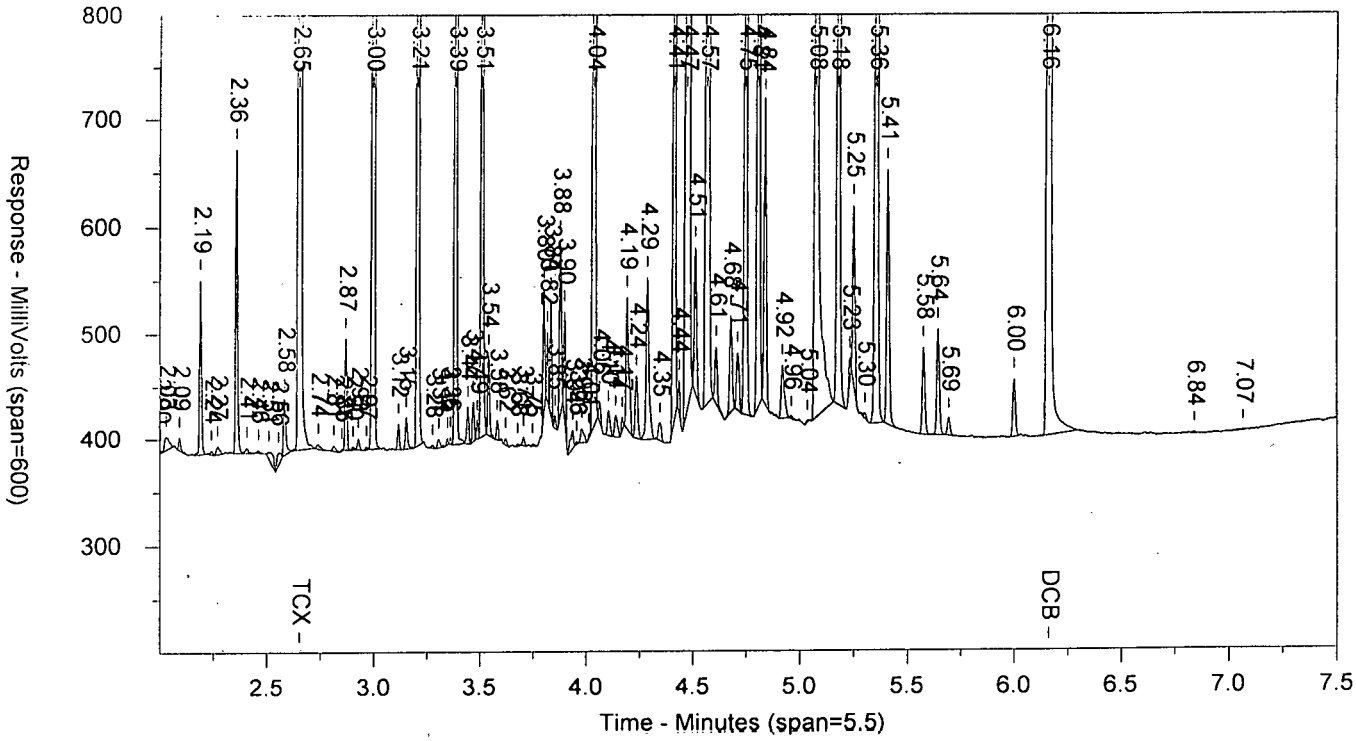

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:33:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.631		17767	17805
1.668		5627	11651
1.79		3252	1729
2.028		3516	3399
2.114		26802	54308
2.146		36529	93223
2.218		6200	5766
2.391		47810	31950
2.436		8253	8745
2.553		9846	9923
2.72		3424	1933
2.843		58513	48364
2.913		2462	1167
2.961		5432	7255
2.999	TCX	783218	524395
3.146		35438	31072
3.203		42658	31472
3.25		197596	132477
3.344		29805	39261
3.465		199049	121103
3.481		104742	55678
3.518		23647	13200
3.535		3785	1493
3.546		12642	5687
3.579		234242	169898
3.654		18051	14759
3.688		54418	31569
3.704		26927	13636
3.748		125165	69056
3.759		195907	102966
3.798		263704	204311
3.858		234743	174340
3.899		19232	12919
3.926		167327	122032
3.954		119457	106659
3.977		33527	15807
4.053		180435	129821
4.078		67556	42581
4.109		73907	51869
4.143		189987	181931
4.184		57041	45696
4.232		3137	1902
4.247		9830	6227
4.27		11948	8760
4.305		162384	118384
4.324		44895	24644
4.348		53239	43988
4.395		2045	2337
4.418		27521	22499
4.461		193743	185936
4.495		7046	4819
4.56		3153	2149
4.6		35896	33808

RT A	Compound A	Height A	Area A
4.652		22773	13490
4.67		60918	42782
4.715		121637	105326
4.763		185941	207524
4.801		47260	33021
4.84		401073	375910
4.882		6801	6390
4.927		65498	65862
4.962		5505	3613
4.988		71262	64816
5.041		384699	508146
5.092		86022	73354
5.131		173149	185916
5.174		2060	1045
5.21		33253	36770
5.244		356198	326412
5.266		10330	5039
5.284		5318	2736
5.31		194697	180894
5.353		124070	111450
5.389		3073	3009
5.448		46133	38273
5.472		215854	196034
5.527		128060	114018
5.567		72014	72670
5.609		15994	15081
5.649		79165	89145
5.705		500577	574011
5.849		1853	1376
5.909		361314	338947
5.94		16059	9394
5.964		91507	105131
6.012		2996	1964
6.099		20276	18685
6.178		72049	102221
6.255		2659	1825
6.302		1886	3306
6.333		128853	129618
6.378		7472	5459
6.427		1303	718
6.506		1927	521
6.532		30789	30425
6.571		1418	372
6.678	DCB	319745	331844
6.816		1991	1121
6.858		1206	480
6.874		1280	335
6.921		1340	327
6.958		2560	2363
6.997		1015	372
7.079		2020	2233
7.096		1597	632
7.12		1649	505
7.141		2660	1001
7.154		1373	539
7.178		2402	972
7.199		1430	682
7.425		1410	393
7.455		1591	684
7.525		2051	746
7.55		1625	447
7.746		1830	464
7.812		1193	585
7.855		1988	1069
7.899		1861	731
7.952		1549	517

RT A	Compound A	Height A	Area A
7.972		1970	1217
8.096		1315	493
8.131		2224	910
8.351		2312	530
8.401		1414	876
8.517		1909	901
8.576		1582	361
8.636		1274	706

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:33:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.59		4975	6334
1.762		4483	4645
1.833		6596	10016
1.866		1662	2947
1.959		49312	34558
2.032		16096	25765
2.21		2811	2461
2.272		7965	10261
2.337		3117	2724
2.401		2823	2011
2.555		5265	6442
2.584		81402	65626
2.628		2145	1154
2.653	TCX	798335	472507
2.697		17629	12995
2.824		44264	29773
2.871		7138	3011
2.885		38389	20605
2.937		201372	124130
2.987		2358	1783
3.048		26003	15676
3.144		257916	252548
3.195		29678	16883
3.216		16803	10271
3.242		20114	10887
3.265		248538	159977
3.303		10023	7315
3.348		61078	32519
3.363		40204	19004
3.413		139331	68431
3.423		234582	93714
3.443		12820	4572
3.456		240362	158604
3.53		249261	154754
3.565		185223	114480
3.588		203515	112702
3.606		62740	30737
3.691		220295	145661
3.714		88518	50393
3.736		78759	47570
3.766		52965	28640
3.784		168179	106833
3.826		67658	48675
3.863		15520	17248
3.895		45409	25886
3.916		241332	156249
3.942		48217	27852
3.962		7845	3773
3.981		38573	26303
4.017		190768	132877
4.051		9146	5274
4.065		16782	9528
4.114		4831	5638
4.153		18272	22327

4.219		49698	32503
4.262		58979	35374
4.281		43985	22511
4.294		132700	77451
4.319		83044	79684
4.372		415911	315959
4.414		10213	9138
4.442		39145	25583
4.467		95056	68096
4.51		467912	364992
4.614		361109	367527
4.667		53623	42722
4.706		111546	92678
4.742		440426	366676
4.774		236370	167065
4.814		161523	126412
4.914		55618	54535
4.965		289281	226667
4.989		38147	24738
5.04		152811	139594
5.075		74569	59736
5.105		53218	42176
5.136		22402	13061
5.159		563581	461887
5.2		11533	8694
5.232		28144	25289
5.35		6218	3875
5.375		123099	100998
5.419		335705	382738
5.575		16015	13356
5.619		8286	5975
5.642		14151	10882
5.692		59663	53543
5.799		117850	101531
5.831		5825	4445
5.999		33546	33074
6.158	DCB	368632	334375
8.294		4415	6154

AR1611724B AAAR161AA ICAL 1724999999 10736 SW-846 8082

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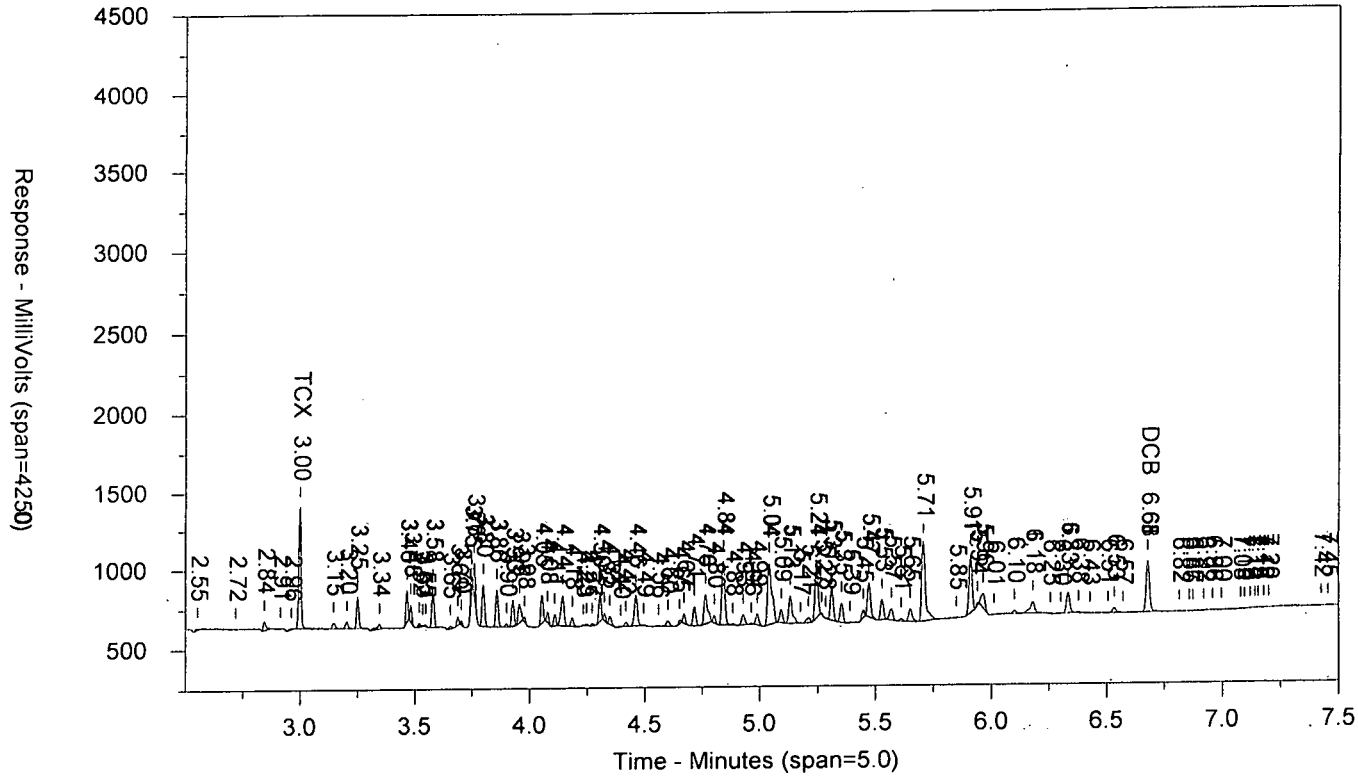

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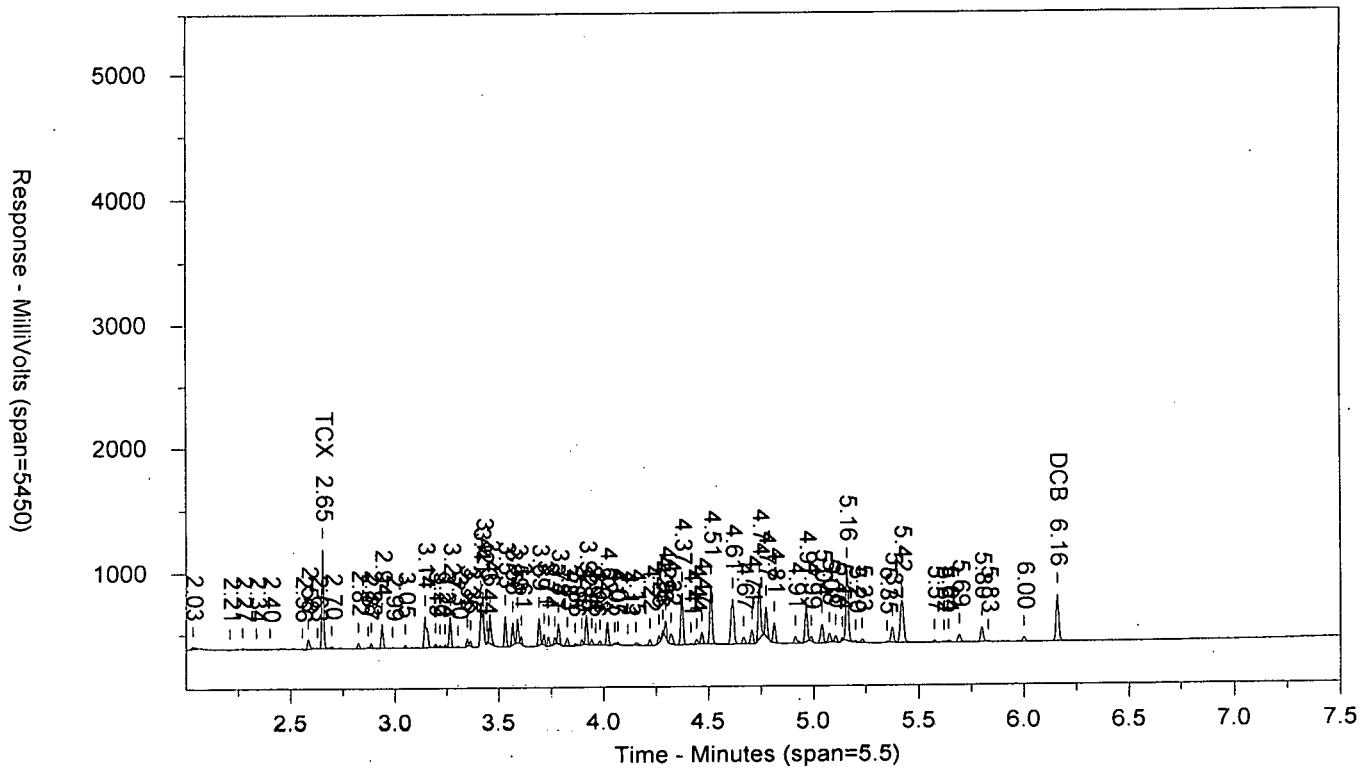

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:33:59 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	783218	2.066	TCX	2.653	798335	1.976	TCX
6.678	319745	2.116	DCB	6.158	368632	1.952	DCB

Files:
Area File: 07pcbs17250001.0007.RAW
Area File: 07pcbs17250001B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/7/2017 11:42:43 PM
File Reported On: 9/7/2017 at 11:42:54 PM

AR1611724B AAAR161AA ICAL 1724999999 10736 SW-846 8082

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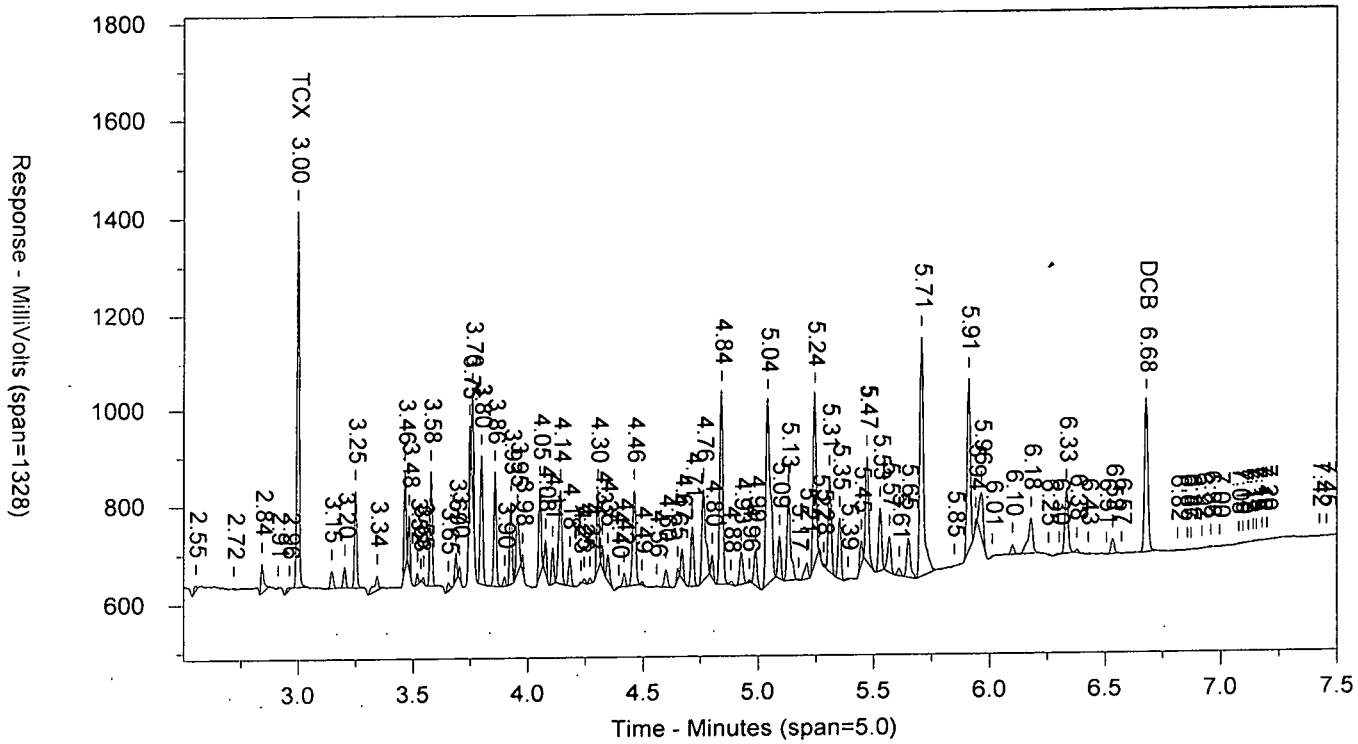

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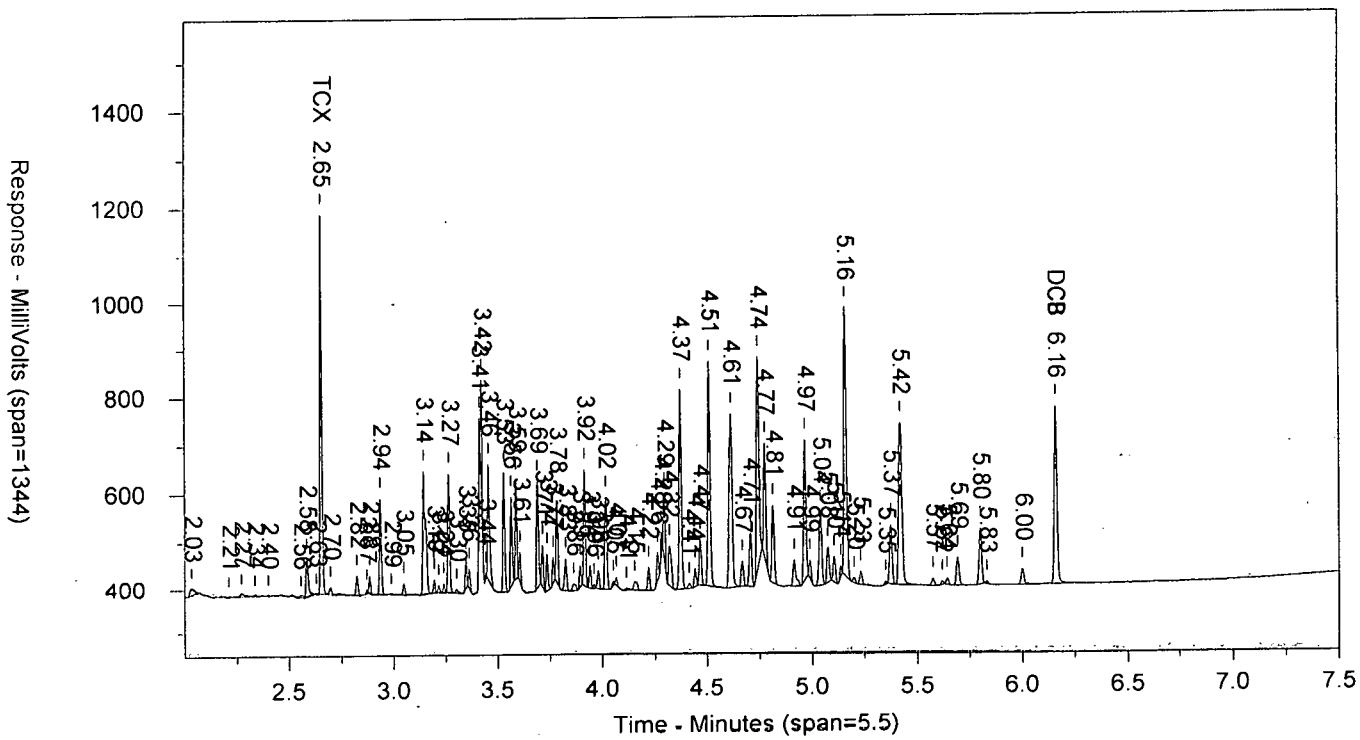

AR1611724B AAAR161AA ICAL 1724999999 10736 SW-846 8082

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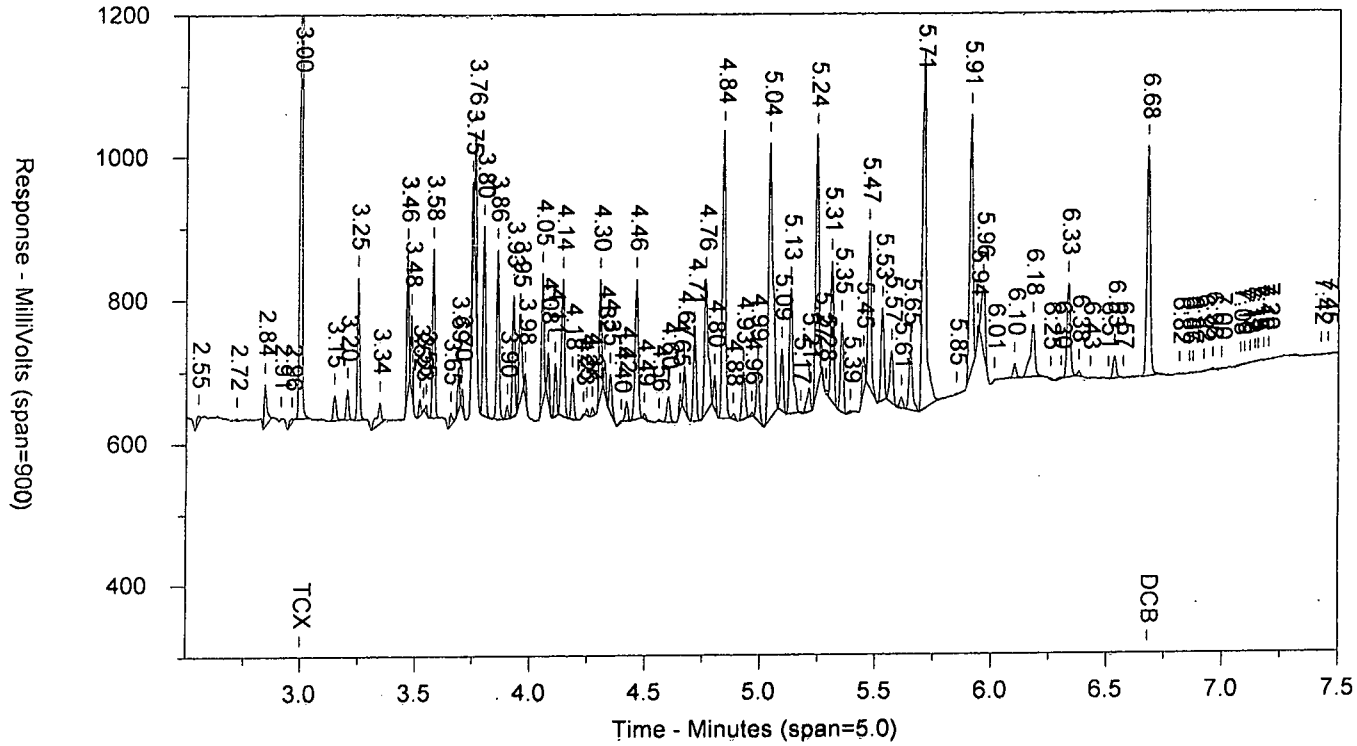

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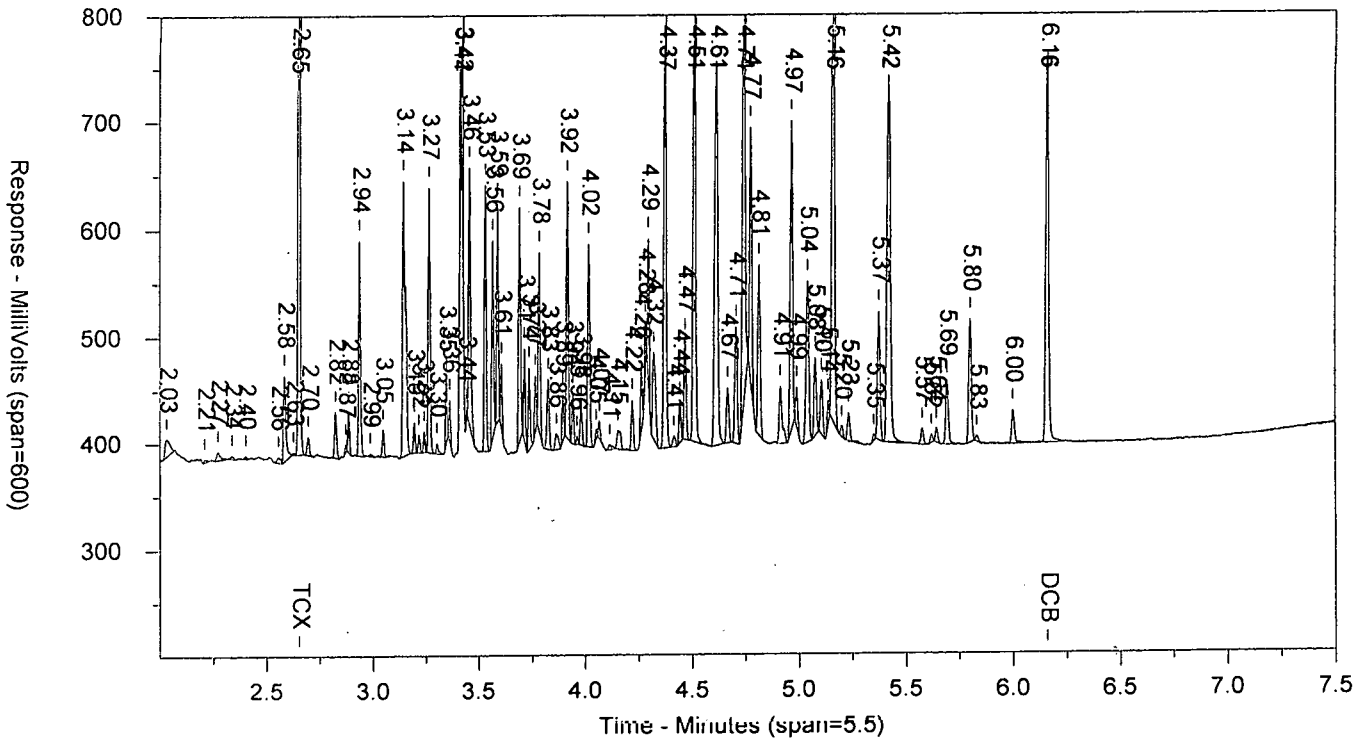

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:45:28 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.638		20447	28673
1.664		11541	15681
1.791		8461	5340
2.032		5673	7657
2.111		38133	86964
2.146		46064	93034
2.222		24316	47268
2.295		23016	68897
2.39		38932	42093
2.437		10079	14391
2.553		21703	25568
2.576		14988	20433
2.635		4214	2412
2.67		4257	3548
2.758		3810	2276
2.845		24901	20658
2.928		18295	23980
2.96		7208	10245
2.999	TCX	1414990	962044
3.147		65672	54779
3.176		1784	1048
3.203		78560	60146
3.251		346123	236603
3.329		5922	9658
3.344		43663	26936
3.465		356111	213829
3.482		177285	97370
3.519		44302	25157
3.535		8817	3464
3.547		23285	11730
3.579		424020	304344
3.617		3005	1646
3.655		27546	20374
3.689		99622	56742
3.703		50644	25384
3.748		229197	127950
3.76		370412	190640
3.798		475690	368610
3.858		422599	313786
3.899		33667	24190
3.927		306260	218345
3.954		212254	188256
3.978		57650	29098
4.027		1837	529
4.053		339444	230949
4.078		113972	76483
4.109		137562	95232
4.143		333634	329112
4.184		108613	85531
4.232		9442	6117
4.247		6364	3127
4.271		20533	14492
4.305		295349	213530

RT A	Compound A	Height A	Area A
4.324		80646	46258
4.348		96069	79698
4.418		55089	57707
4.462		357120	337153
4.497		14401	10352
4.559		6581	5024
4.6		61890	60029
4.653		40714	23838
4.671		107892	77890
4.715		223342	195753
4.764		336159	379076
4.801		85987	61066
4.841		743327	681374
4.884		12143	9706
4.927		119289	123341
4.961		10590	6967
4.988		124211	116795
5.041		686166	915802
5.092		151309	137562
5.132		308189	343115
5.172		4147	2255
5.211		60982	70884
5.245		655155	593335
5.267		23315	11478
5.286		13587	5878
5.311		388045	332694
5.352		216493	206548
5.388		2763	1787
5.447		88793	71753
5.473		384497	357766
5.528		233297	211173
5.567		139077	136335
5.61		28783	28560
5.65		150983	165466
5.706		938427	1056389
5.798		1339	496
5.858		1532	374
5.91		644840	611691
5.94		25967	17068
5.965		164595	193405
6.022		4535	6837
6.1		35510	33993
6.179		136773	200223
6.303		1698	3483
6.333		236974	242215
6.377		14557	12451
6.455		2008	622
6.532		58988	57027
6.615		1364	489
6.679	DCB	600746	619456
6.807		1089	457
6.879		1145	527
6.919		1402	482
6.939		1782	1180
6.996		1482	983
7.031		1775	1370
7.073		2111	1910
7.097		2216	586
7.127		1637	1024
7.152		1501	575
7.196		2094	600
7.238		1581	985
7.266		1416	627
7.292		1505	1341
7.345		1507	408
7.377		1652	2333

RT A	Compound A	Height A	Area A
7.546		1255	367
7.664		1907	397
7.678		1328	505
7.7		2095	679
7.757		1466	382
7.833		1909	515
7.894		1120	575
7.926		1962	938
7.98		1623	673
8.042		1397	819
8.101		1720	637
8.132		2010	867
8.146		2558	1345
8.347		1546	675
8.363		2090	457
8.388		791	524
8.525		1575	467
8.593		2133	1226
8.652		1580	500

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:45:28 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.552		5347	4315
1.588		9481	10647
1.656		5689	4871
1.761		9878	10379
1.833		9628	16586
1.866		9146	19323
1.959		36149	30741
2.03		15852	28784
2.07		10234	8453
2.173		5472	3499
2.213		3270	3770
2.269		13208	12326
2.337		5188	4601
2.367		5586	3766
2.402		2868	2121
2.462		6496	4780
2.51		3734	5018
2.555		8918	8618
2.583		33655	26455
2.627		2246	1098
2.653	TCX	1455788	879581
2.696		33478	24308
2.737		6221	5697
2.824		82171	57131
2.87		14738	6194
2.884		68190	37421
2.937		364749	223390
2.99		5907	5404
3.022		1712	957
3.048		48649	28738
3.077		4248	8050
3.143		461335	452764
3.195		56481	33196
3.216		30057	17654
3.242		38464	21639
3.265		443372	288324
3.302		19686	13543
3.348		118034	60344
3.363		70951	33876
3.413		217224	111809
3.423		437246	193920
3.443		23495	8280
3.456		434549	290934
3.53		457613	284724
3.565		339285	207350
3.588		358346	202155
3.606		117757	56003
3.691		400091	263740
3.714		152239	89109
3.736		147232	85802
3.766		99628	54036
3.784		326156	199029
3.825		122669	88468
3.872		21604	23199

3.895		82419	48188
3.916		439370	283096
3.942		87571	52693
3.962		14025	6618
3.981		60932	39550
4.017		352864	242190
4.051		18268	10636
4.066		30571	17276
4.113		3751	2439
4.153		9438	4727
4.219		89547	59116
4.263		99885	61489
4.281		79519	39904
4.294		246997	138365
4.32		143751	145189
4.372		744101	572729
4.415		16091	15657
4.443		75643	49265
4.467		175901	127007
4.51		850231	670475
4.614		682487	672632
4.668		96588	81418
4.706		207503	172724
4.742		797026	682724
4.775		427220	303014
4.813		298431	230460
4.914		91543	65908
4.965		529510	419188
4.989		70858	46625
5.04		294069	255300
5.076		143089	110979
5.105		100798	82526
5.137		40706	22890
5.159		1029369	865486
5.201		22679	16008
5.232		53069	42758
5.351		12428	7967
5.374		234604	187172
5.418		607827	713625
5.576		28164	23614
5.619		15219	10958
5.644		25108	19228
5.692		115757	104648
5.8		216684	192052
5.832		11530	8015
6		65619	59407
6.158	DCB	669980	625982
7.351		1203	2550
7.624		1440	2427
7.769		1010	1634
8.289		5928	11255

AR1621724B AAAR162AA ICAL 1724999999 10736 SW-846 8082

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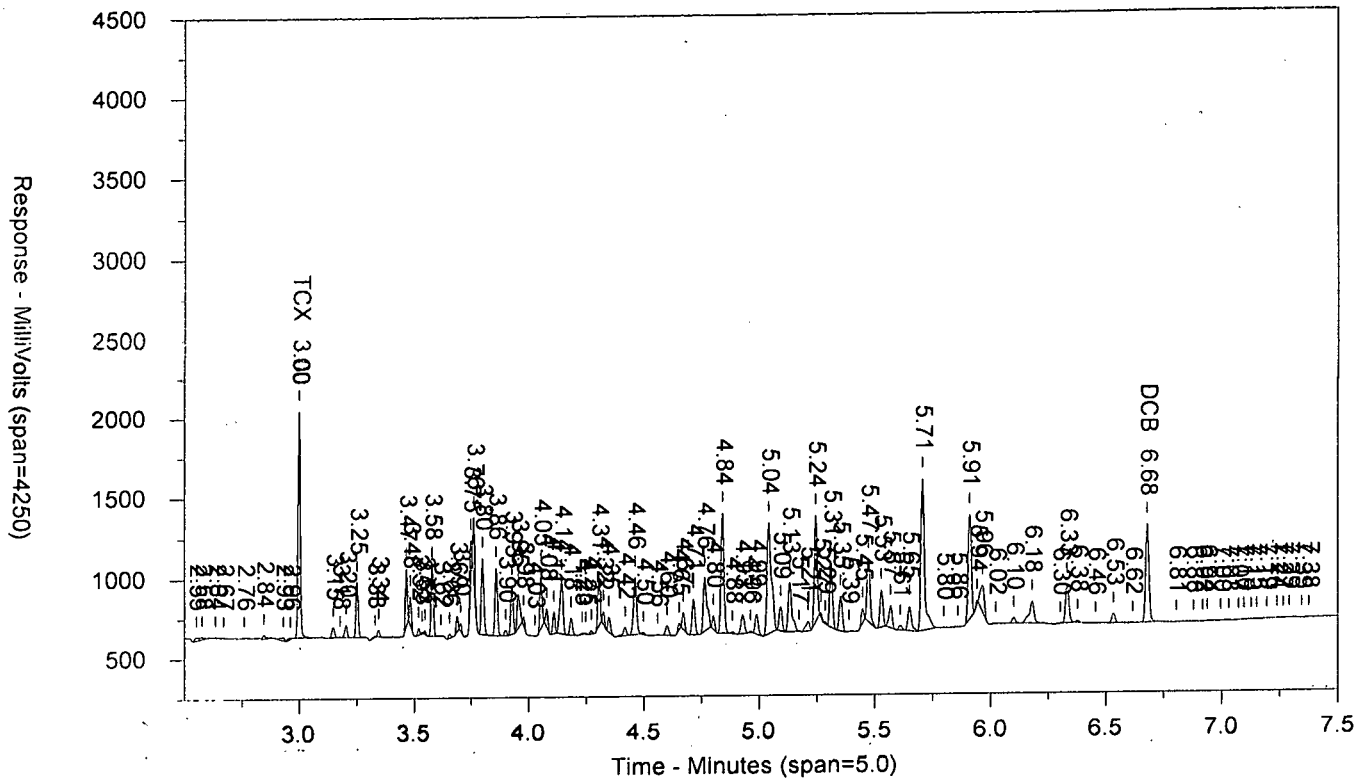

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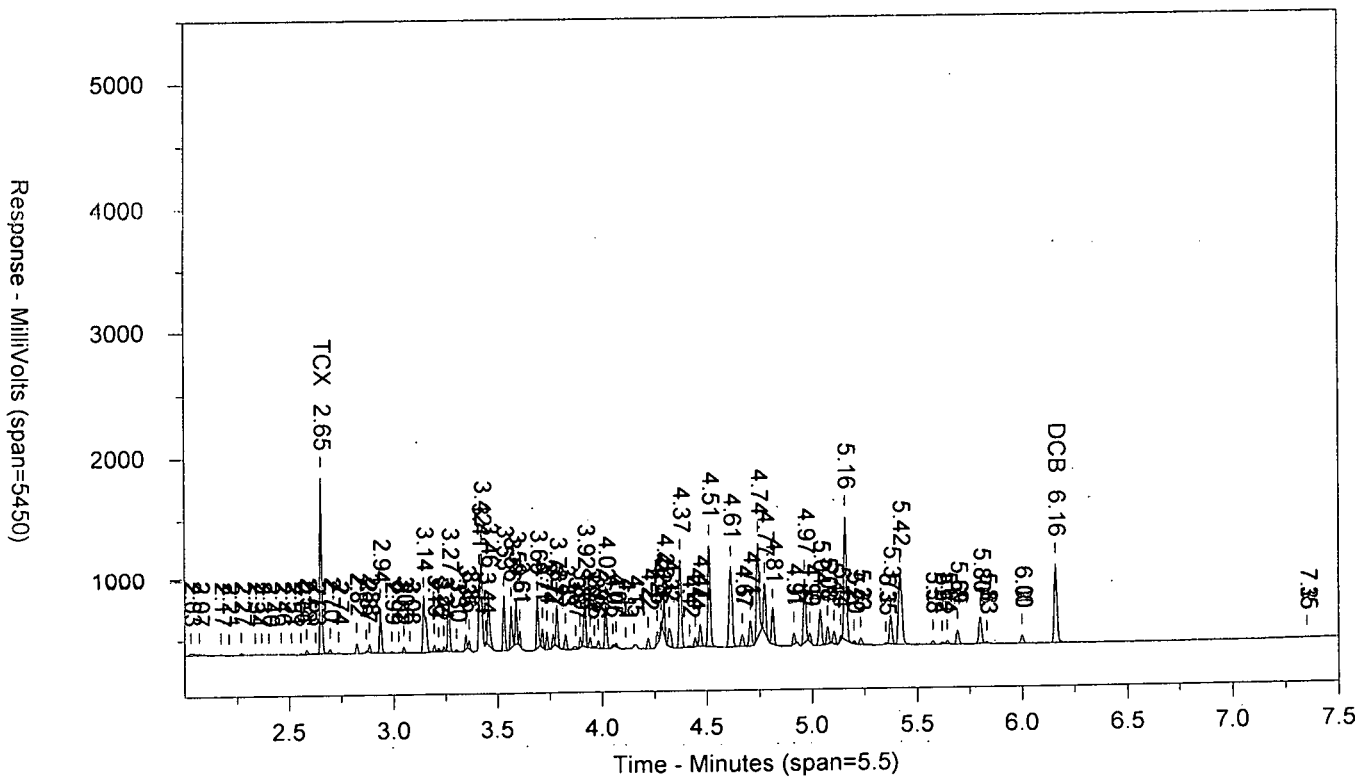

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:45:28 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	1414990	3.732	TCX	2.653	1455788	3.618	TCX
6.679	600746	4.12	DCB	6.158	669980	3.686	DCB

Files:
Area File: 07pcbs17250001.0008.RAW
Area File: 07pcbs17250001B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/7/2017 11:54:12 PM
File Reported On: 9/7/2017 at 11:54:22 PM

AR1621724B AAAR162AA ICAL 1724999999 10736 SW-846 8082

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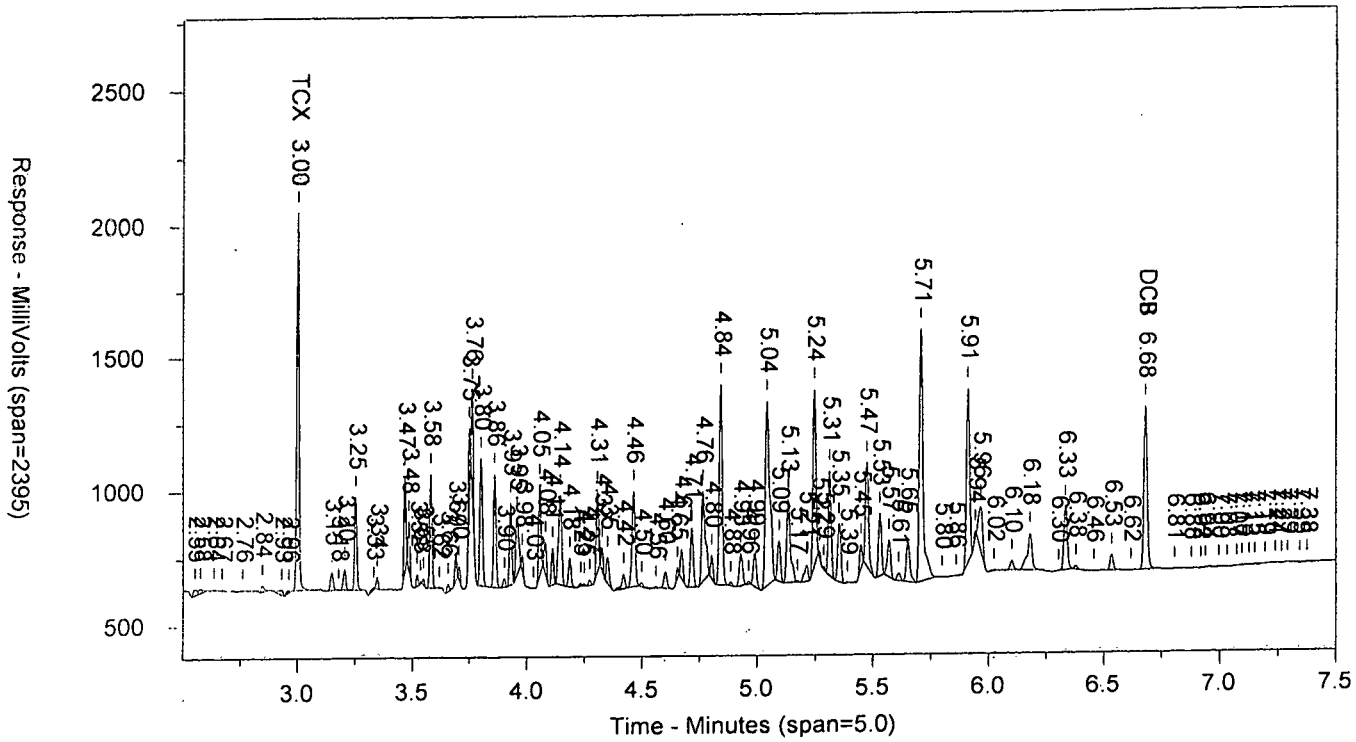

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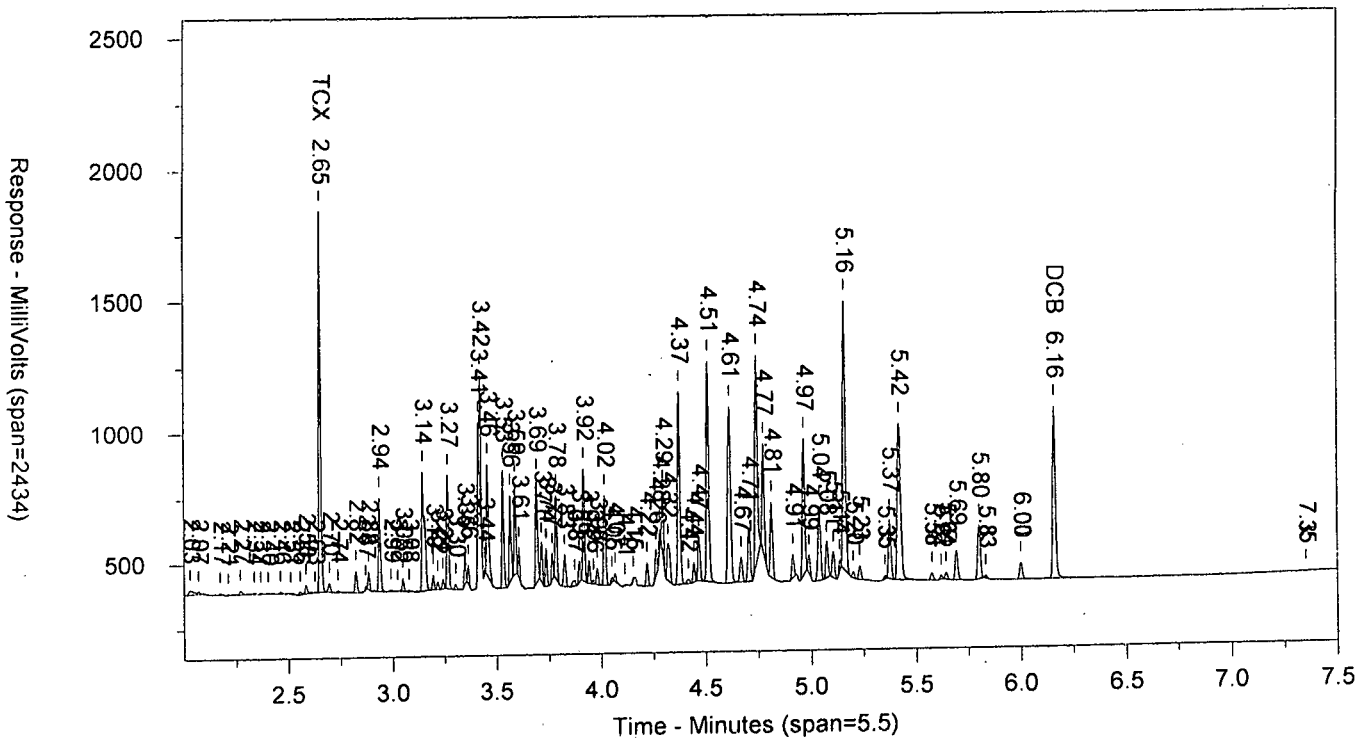

AR1621724B AAAR162AA ICAL 1724999999 10736 SW-846 8082

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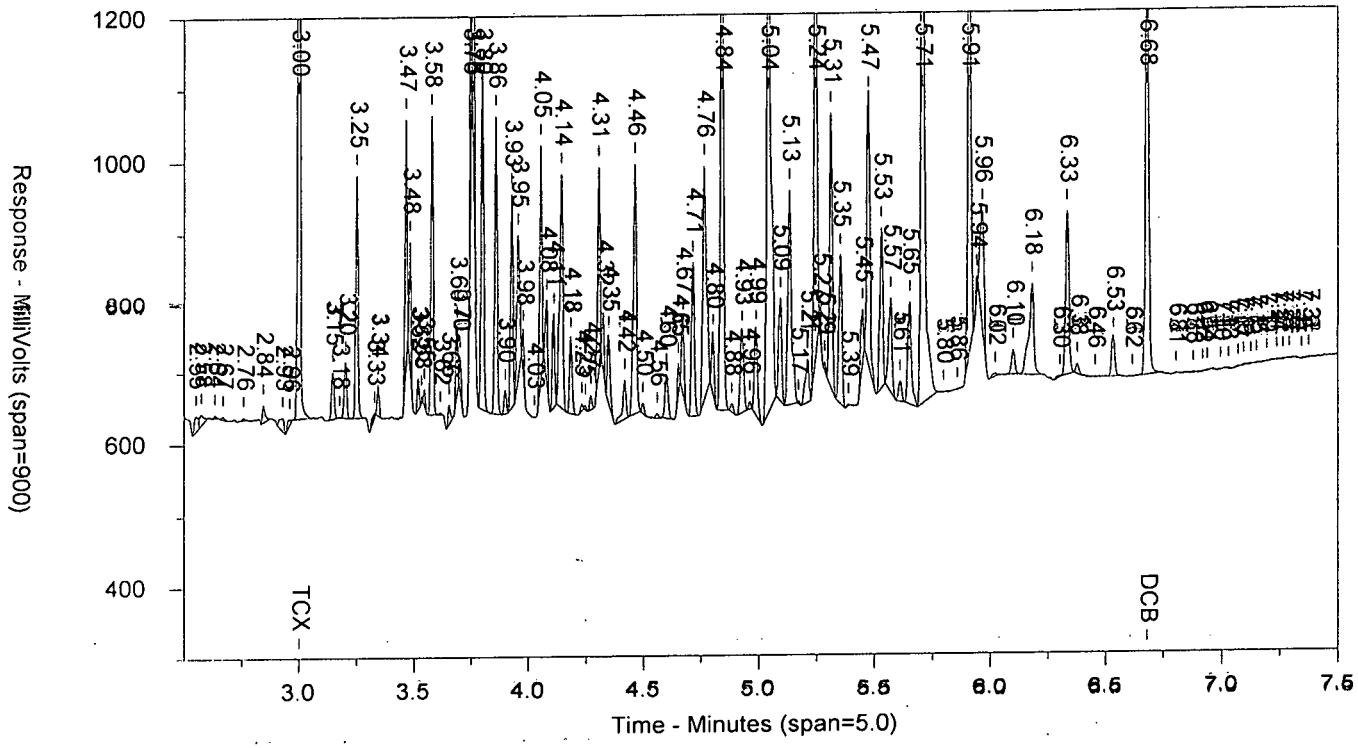

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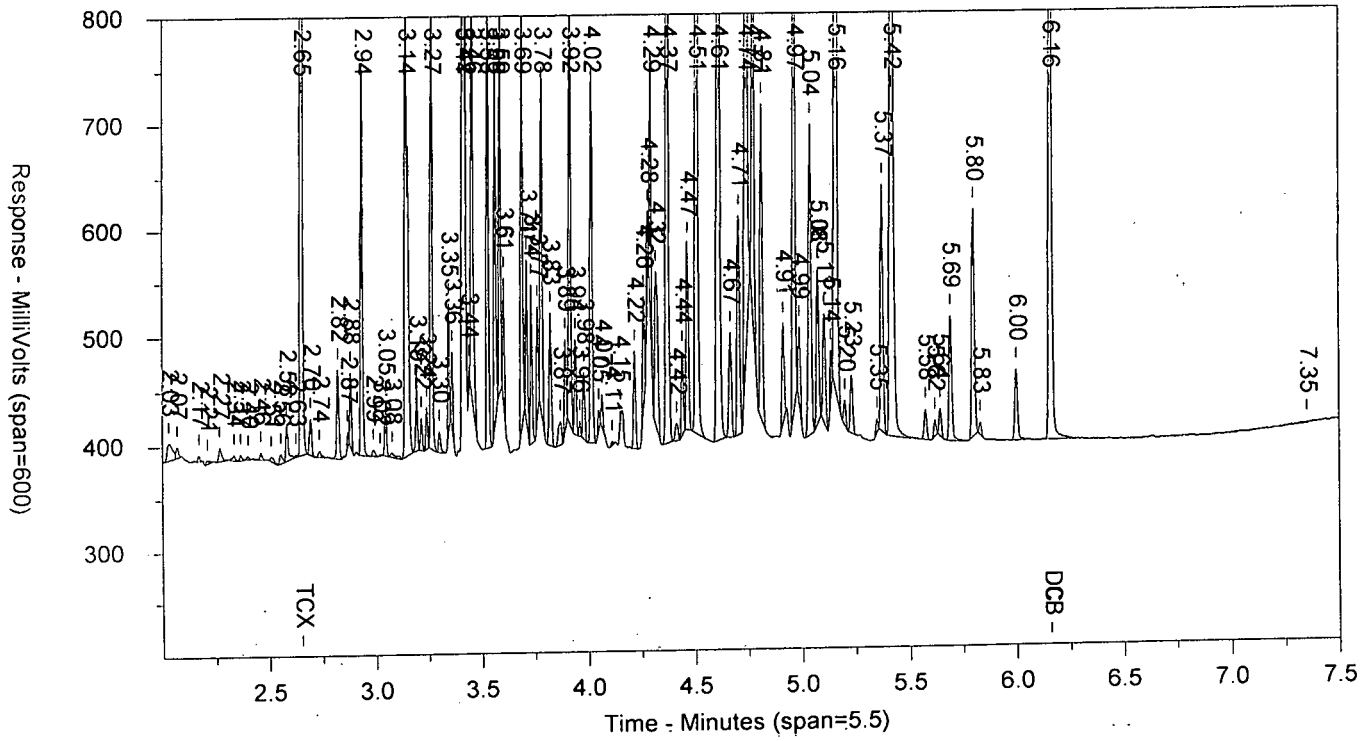

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:56:44 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.666		7872	34700
1.749		2858	2220
1.792		3531	2047
1.967		4849	3649
2.111		14411	31979
2.149		18998	25939
2.294		37929	28641
2.39		28368	29536
2.433		5973	6404
2.479		3282	2135
2.554		15265	15727
2.575		10536	12450
2.636		8297	6514
2.755		3838	2450
2.843		54322	40511
2.928		17285	25084
2.954		5494	4703
2.998	TCX	7404398	4748448
3.089		5312	5534
3.146		126043	106044
3.2		184451	161027
3.25		668664	478152
3.326		14643	9600
3.343		83841	49830
3.464		684995	409404
3.481		359027	186394
3.517		90827	50051
3.533		16525	6727
3.545		50360	23896
3.578		814739	582863
3.614		5467	3042
3.629		8082	4765
3.653		42822	29021
3.686		189904	111035
3.702		104733	53274
3.747		455463	244694
3.759		779542	393105
3.797		908764	714676
3.857		803374	607186
3.898		74421	49960
3.925		568798	418537
3.953		400941	349440
3.976		111655	56821
4.052		632686	441531
4.076		237345	155136
4.107		259477	184295
4.142		637026	636837
4.183		212387	170987
4.229		30244	29289
4.269		47641	33476
4.304		583233	424138
4.322		137164	74127
4.347		176640	138614

RT A	Compound A	Height A	Area A
4.416		102945	87574
4.46		658136	645616
4.495		27057	18959
4.558		11744	8825
4.599		118067	116261
4.652		85074	54094
4.669		185128	129972
4.714		428559	381183
4.762		641045	715207
4.8		150804	111064
4.838		1420301	1308357
4.884		22992	18377
4.926		225067	240211
4.961		25486	17836
4.987		241053	224608
5.039		1404227	1799862
5.091		300237	274664
5.13		620079	691020
5.173		10962	5947
5.21		131785	156581
5.243		1332955	1199478
5.265		51174	24950
5.285		26069	12165
5.309		709904	650159
5.352		450437	419254
5.446		186176	150126
5.47		789554	716850
5.527		463033	425454
5.565		280812	275356
5.607		63903	64629
5.648		282425	309182
5.704		1915731	2096801
5.792		3107	3575
5.852		1587	565
5.908		1242937	1183322
5.939		69601	46155
5.963		330392	370517
6.04		1961	833
6.074		1528	309
6.098		127155	125648
6.163		16343	19967
6.177		181850	142323
6.289		1666	871
6.331		453266	472724
6.375		28605	26557
6.422		1393	580
6.531		153683	158693
6.629		1426	665
6.677	DCB	2656202	2752793
6.807		2265	1331
6.903		1784	636
6.947		1367	349
7.072		1750	1849
7.128		2076	1368
7.18		1010	1309
7.237		1258	448
7.279		1471	935
7.369		1754	1903
7.506		1412	445
7.575		1540	949
7.59		2204	970
7.601		1827	897
7.678		1628	899
7.697		1615	1534
7.75		1526	778
7.941		1438	392

RT A	Compound A	Height A	Area A
7.97		1542	482
8.066		1789	1582
8.104		2182	1282
8.221		1437	935
8.23		2348	567
8.244		1753	926
8.386		2148	424
8.452		1511	337
8.481		2032	453
8.502		1448	836

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:56:44 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.559		4407	4105
1.588		7017	11570
1.661		4597	4236
1.764		7772	9641
1.826		2689	4962
1.868		6654	7073
1.966		48749	47921
2.033		18803	32183
2.07		8735	6907
2.092		13487	8925
2.173		6895	6875
2.209		1847	822
2.271		12207	10981
2.337		8917	7111
2.367		5770	3928
2.4		1978	1725
2.462		6575	4939
2.513		6659	13063
2.555		13348	14638
2.584		75925	61592
2.653	TCX	7774236	4653896
2.696		63156	44668
2.74		7805	8433
2.824		153737	108148
2.871		76482	35121
2.884		117260	59356
2.908		3801	2204
2.936		691963	435296
2.987		24048	15666
3.047		100590	61514
3.077		4831	4809
3.143		889610	871115
3.195		110744	66940
3.216		56363	31307
3.241		80531	44585
3.265		874149	567458
3.302		38261	23708
3.328		8446	3649
3.347		224075	119580
3.363		131570	62416
3.39		3954	1735
3.413		493460	224759
3.422		935046	394092
3.442		36639	14629
3.456		852437	578302
3.53		931354	570455
3.564		649414	397821
3.587		711838	388751
3.605		232055	114102
3.69		783058	518997
3.713		309893	169053
3.735		286231	172031
3.765		199906	103975
3.783		656267	391652

3.825		241187	173871
3.872		41447	38738
3.894		161473	97042
3.915		857735	554016
3.941		176469	106557
3.961		31053	14776
3.98		113178	70843
4.016		664911	475617
4.05		36499	21902
4.066		64053	37243
4.113		3403	2132
4.129		6348	4251
4.153		20805	11842
4.161		24788	11115
4.195		3691	1793
4.219		190358	132362
4.262		201927	121982
4.281		150932	77948
4.294		469768	261881
4.319		291981	287893
4.372		1495484	1127932
4.418		26795	27060
4.442		142870	96484
4.467		341523	246132
4.509		1675260	1315983
4.613		1344837	1326321
4.667		195964	161892
4.705		383882	346520
4.742		1631334	1360012
4.774		828582	597299
4.813		576973	456793
4.882		3231	3097
4.913		205118	208025
4.964		1036473	826692
4.988		144712	91513
5.039		551361	501182
5.075		280128	216848
5.104		204419	167497
5.136		79130	47251
5.158		2112827	1744716
5.199		43202	32231
5.232		128435	102448
5.351		26011	16339
5.374		451225	368591
5.418		1277236	1433979
5.574		106710	87147
5.619		28475	19603
5.643		110153	87099
5.692		238543	208321
5.799		432583	381067
5.83		25375	17116
5.999		169159	152940
6.157	DCB	3155403	2815283
6.604		1649	1230
7.205		1328	1169
7.371		1506	1013
7.939		1671	3739
8.295		5885	10177

AR1631724B AAAR163AA ICAL 1724999999 10736 SW-846 8082

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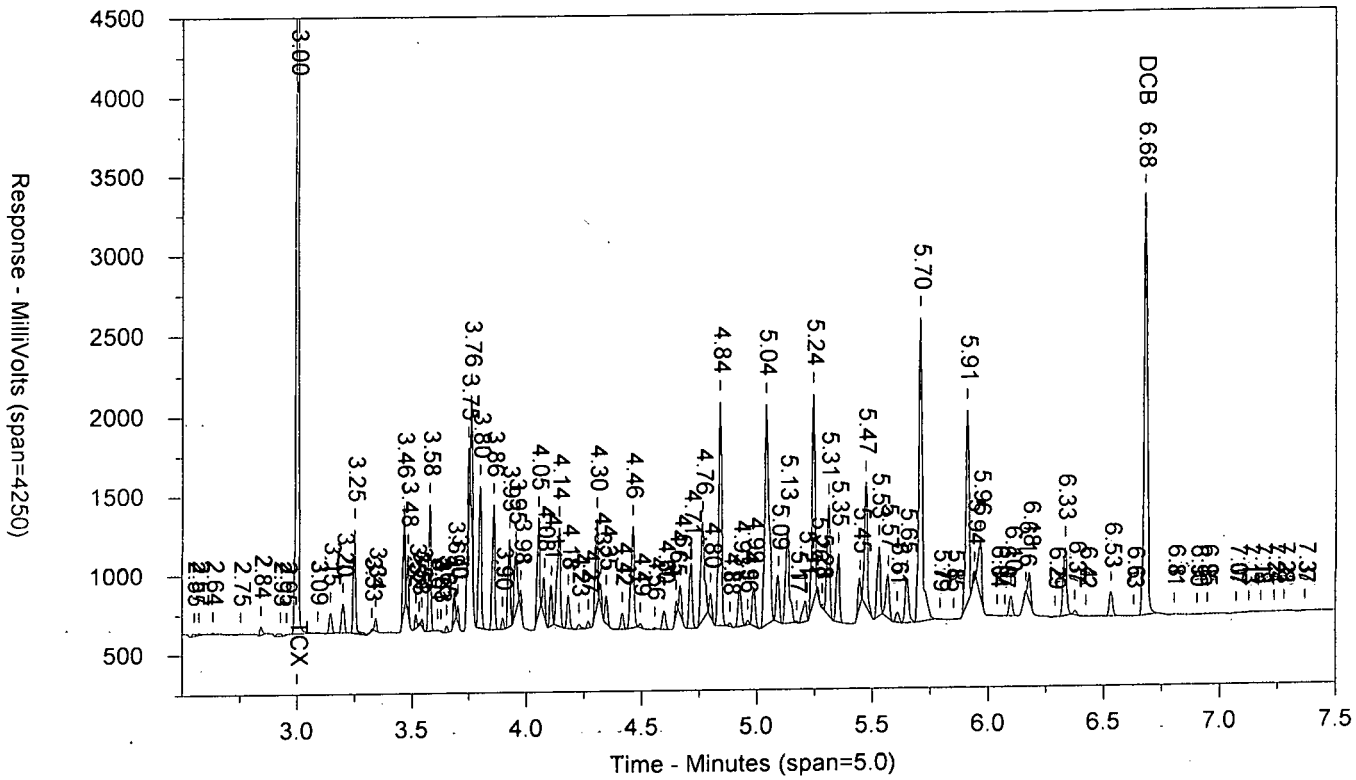

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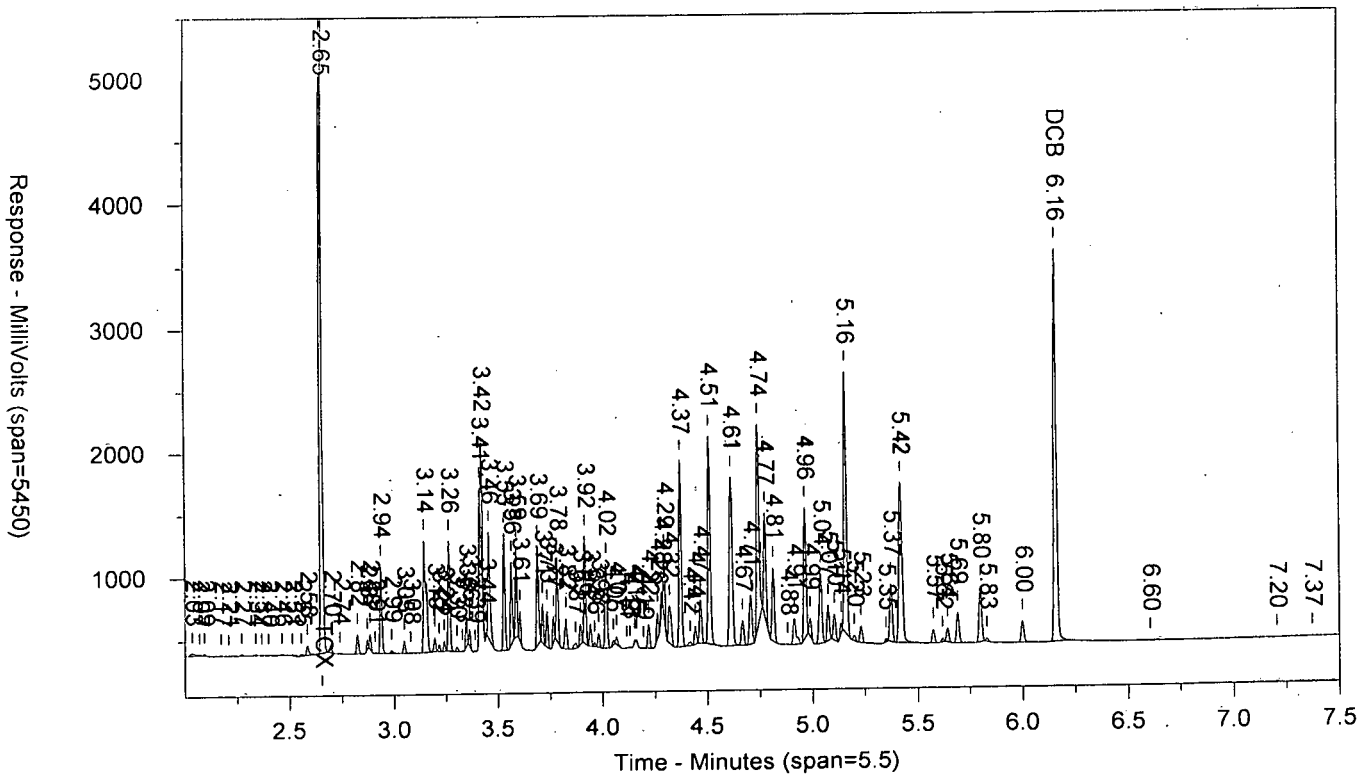

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/7/2017 11:56:44 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.998	7404398	19.643	TCX	2.653	7774236	19.522	TCX
6.677	2656202	18.456	DCB	6.157	3155403	17.838	DCB

Files:
Area File: 07pcbs17250001.0009.RAW
Area File: 07pcbs17250001B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 12:05:26 AM
File Reported On: 9/8/2017 at 12:05:36 AM

AR1631724B AAAR163AA ICAL 1724999999 10736 SW-846 8082

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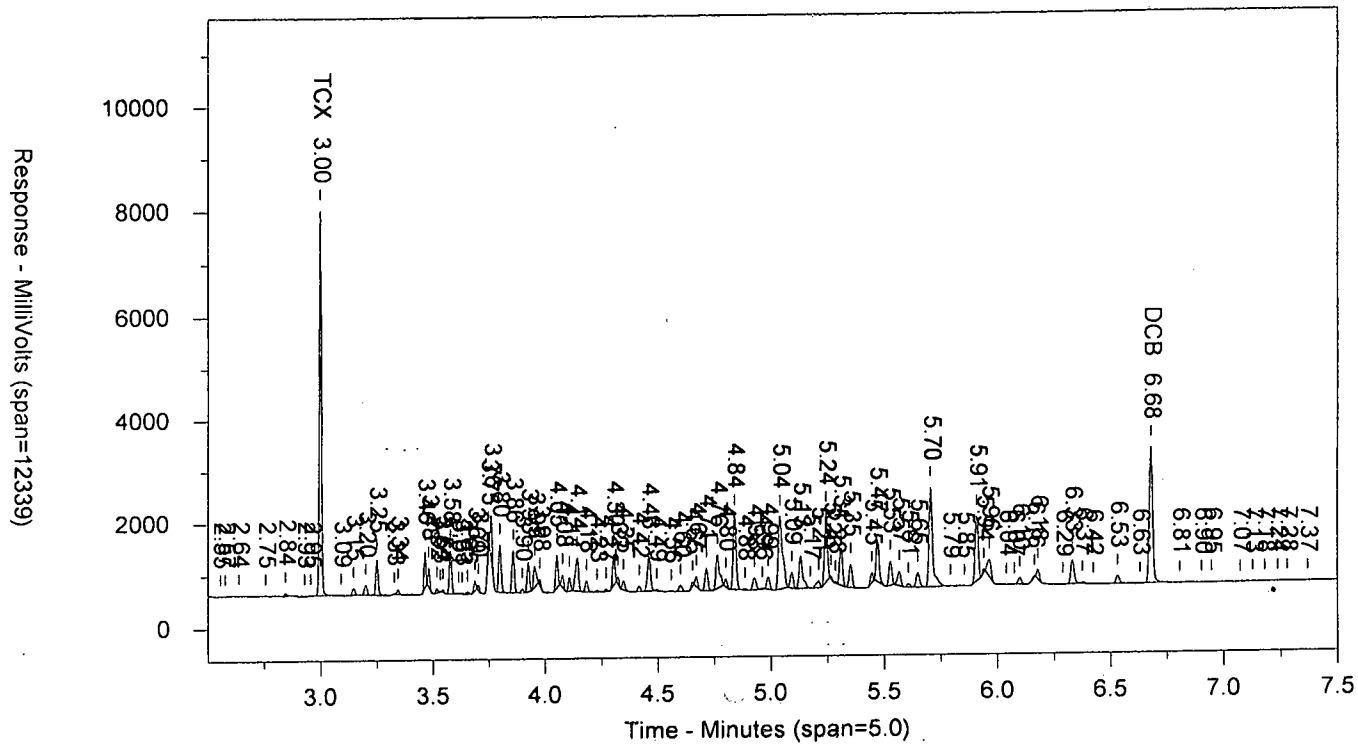

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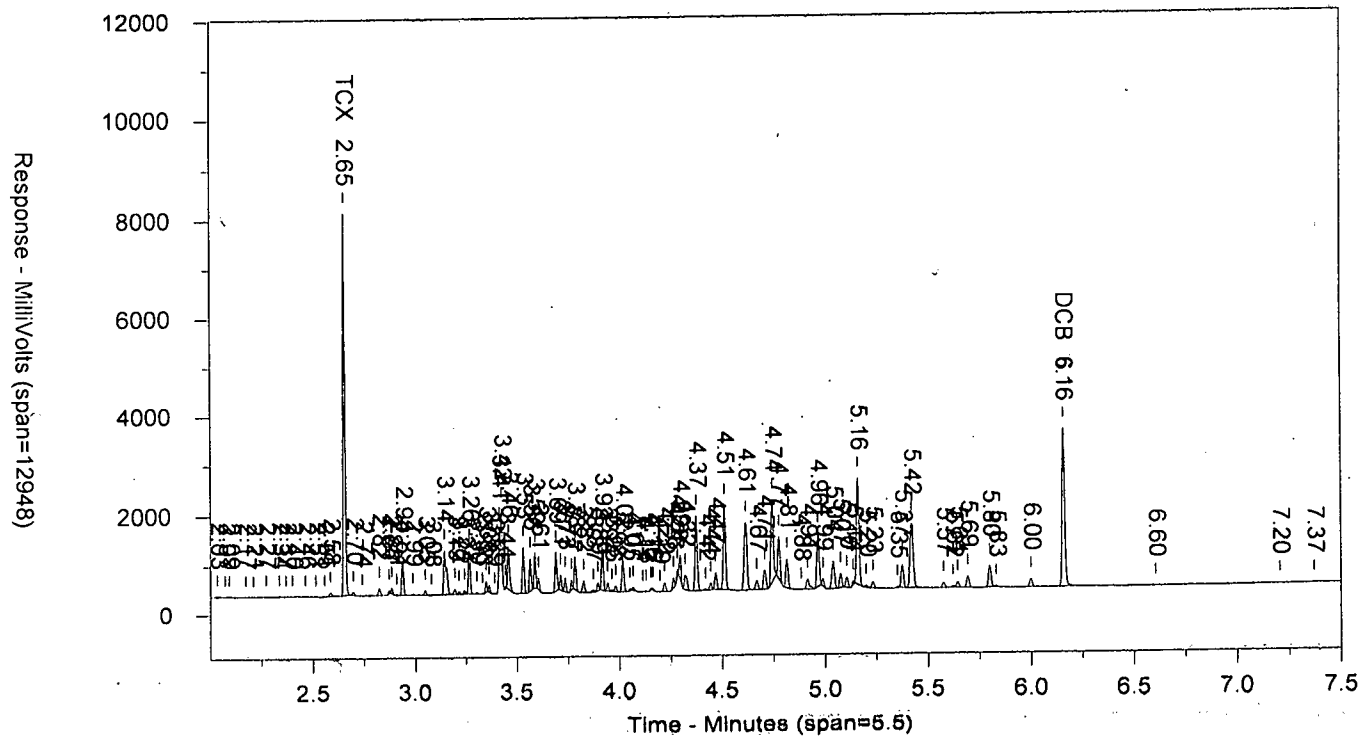

AR1631724B AAAR163AA ICAL 1724999999 10736 SW-846 8082

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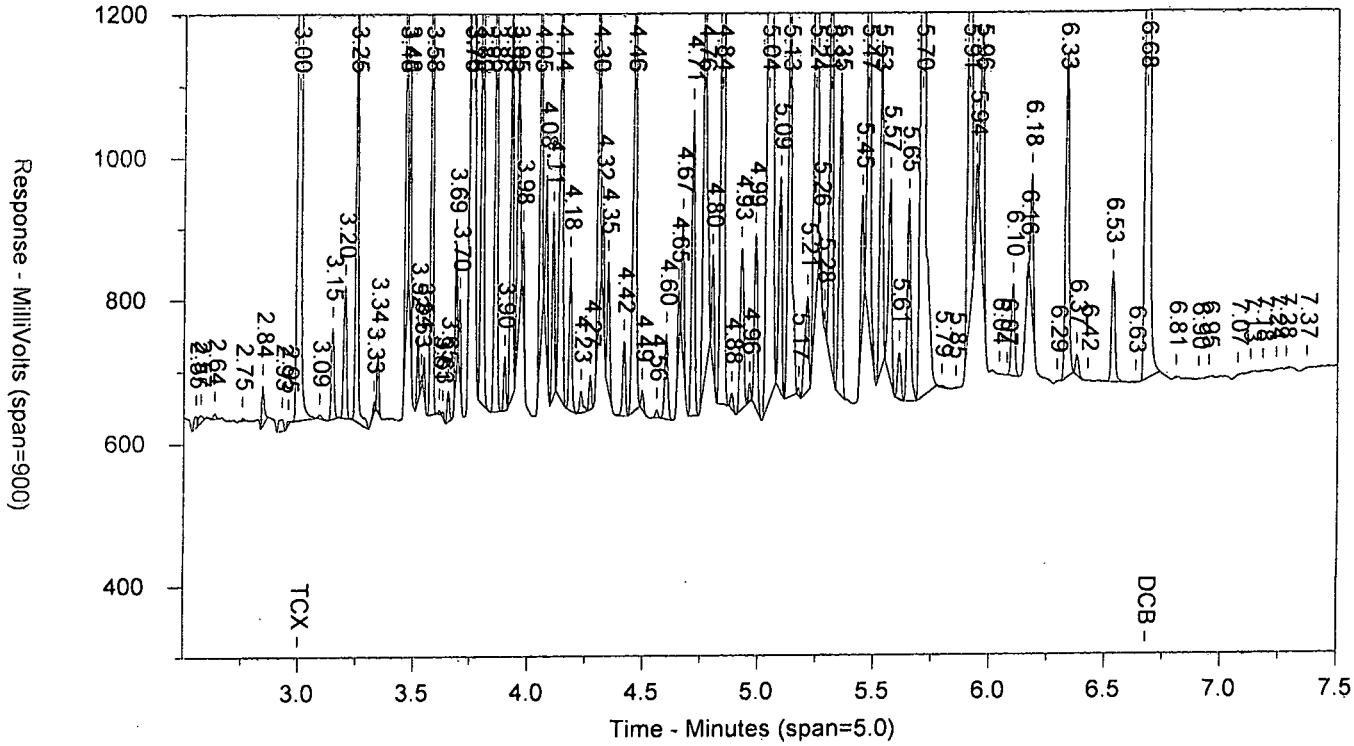

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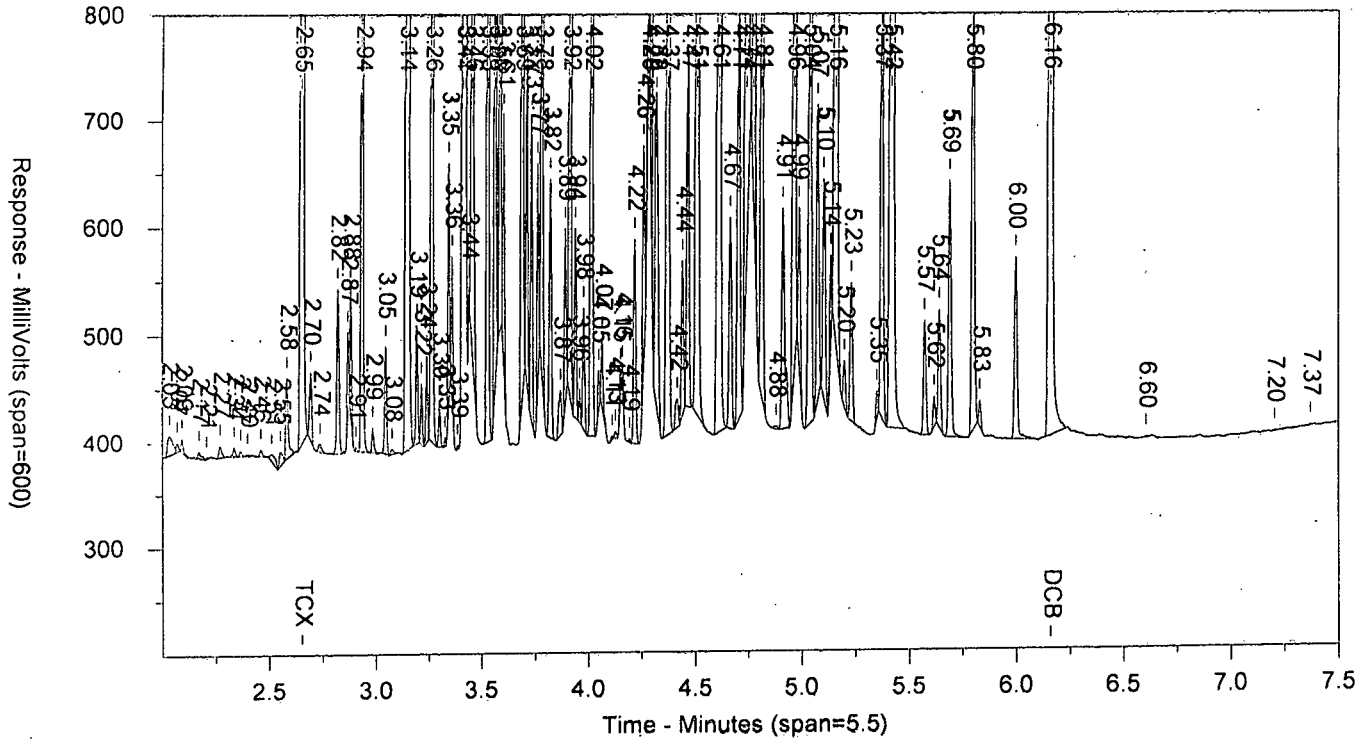

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:08:11 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.632		15303	13901
1.669		8123	20543
1.878		1734	624
2.113		18116	34051
2.149		13943	21330
2.221		2721	2100
2.295		73971	52208
2.391		13250	6752
2.404		28642	19439
2.435		6594	5492
2.497		1938	924
2.552		13988	16018
2.575		7161	7306
2.635		17082	12502
2.718		2518	1874
2.845		5528	3267
2.92		32876	43644
2.96		3762	5143
2.999	TCX	15672730	9840969
3.147		247849	218392
3.202		351955	320390
3.251		1311878	872258
3.328		26245	13236
3.344		164385	102572
3.387		3558	2374
3.465		1353604	797925
3.482		687169	362572
3.519		176386	99459
3.535		36953	14219
3.547		95594	47220
3.58		1570261	1160792
3.616		9761	4862
3.632		15269	8329
3.655		84596	56706
3.689		372712	220263
3.704		206049	103716
3.748		900823	485597
3.761		1663440	829794
3.799		1841288	1423203
3.859		1640013	1218154
3.9		141424	98926
3.928		1120595	816699
3.955		774316	667091
3.977		192116	107235
4.054		1229948	867554
4.078		455449	301295
4.11		507107	360714
4.144		1318907	1260603
4.185		427745	338292
4.232		63033	57143
4.271		99054	70496
4.306		1179889	856239
4.325		279725	149962

RT A	Compound A	Height A	Area A
4.349		351035	275444
4.42		202664	174435
4.462		1304293	1252671
4.497		57681	40585
4.537		1574	354
4.56		26726	20583
4.601		242243	234583
4.654		**177093**	**113831**
4.671		368267	254649
4.715		843895	751234
4.765		1299956	1413674
4.802		310301	225061
4.841		2855469	2616270
4.885		50282	42842
4.929		451667	477816
4.964		49676	33647
4.989		441514	416197
5.041		2823861	3456015
5.093		568840	516518
5.133		1212233	1332908
5.175		19112	10307
5.212		**243463**	**295162**
5.245		2704916	2383186
5.268		106739	50124
5.287		47817	21033
5.312		1348488	1243796
5.354		859042	804730
5.448		343217	282119
5.473		1459466	1345972
5.528		860374	781450
5.568		501127	515870
5.61		130183	128384
5.65		552612	599548
5.707		3686137	3367020
5.792		2676	3374
5.91		**2407153**	**2256100**
5.941		131682	84753
5.964		555841	636996
6.037		1903	457
6.101		227144	221384
6.165		28411	30512
6.179		319033	271384
6.334		814611	876355
6.377		57363	49951
6.504		2280	1614
6.533		291140	293107
6.679	DCB	5136052	5133055
6.787		2207	673
6.939		1588	781
6.957		1170	410
7.006		1642	389
7.03		1145	576
7.061		1494	456
7.09		1795	400
7.1		1935	1010
7.138		3725	5352
7.201		1123	479
7.231		1213	694
7.28		1076	334
7.324		1803	453
7.381		1790	946
7.42		1843	544
7.465		1289	326
7.498		1513	493
7.578		1289	447
7.634		1209	624

RT A	Compound A	Height A	Area A
7.717		1540	1006
7.746		1244	449
7.792		1665	383
7.828		1822	548
7.938		1575	565
8.032		1984	684
8.126		1178	458
8.168		1723	490
8.201		1035	282
8.223		2079	1683
8.282		1964	416
8.41		1268	734
8.474		911	526
8.538		1936	500
8.569		1862	842
8.631		1977	805

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:08:11 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.587		2566	2988
1.833		5897	6642
1.967		76535	60465
2.032		10661	20338
2.092		28497	19242
2.186		3471	4366
2.223		2413	4319
2.272		6396	8836
2.337		18283	13861
2.401		3282	2565
2.512		11163	27566
2.583		16046	45494
2.61		3113	1720
2.653	TCX	15583210	9467783
2.696		120249	86361
2.824		300017	207458
2.871		148000	69171
2.884		240363	119045
2.937		1345072	849240
2.987		41376	25081
3.048		191580	120276
3.144		1717056	1691411
3.195		220297	133442
3.216		117453	64686
3.242		152401	85394
3.265		1678713	1117421
3.303		80962	47985
3.329		10378	4499
3.348		449744	235710
3.364		246667	119688
3.39		3576	1396
3.414		863669	423542
3.423		1842106	786553
3.443		74750	27465
3.457		1698858	1156790
3.531		1850989	1151443
3.565		1303986	779647
3.589		1401445	768734
3.606		442721	220078
3.692		1610103	1022777
3.715		590602	323105
3.736		566476	335599
3.766		387478	204968
3.784		1287783	782567
3.826		481845	344452
3.873		83474	79744
3.895		321578	194983
3.917		1656336	1091134
3.943		357672	210467
3.962		61046	29812
3.981		208537	128044
4.018		1332170	923005
4.052		74695	42397
4.067		119810	73252

4.113		6286	3333
4.129		13314	9243
4.154		**30419**	**21522**
4.163		46113	22817
4.196		6445	3437
4.221		363341	261220
4.263		387544	238608
4.282		318784	159409
4.295		936894	534048
4.32		534697	556793
4.373		2958760	2237133
4.418		57139	56030
4.444		279964	187433
4.468		643465	474513
4.512		3415482	2609999
4.615		2811927	2658981
4.668		**389867**	**314898**
4.707		771708	671493
4.743		3395300	2734985
4.776		1667010	1156386
4.814		1170643	895591
4.872		4223	6304
4.915		410409	408991
4.967		2035516	1639307
4.99		275138	174392
5.041		1066148	972014
5.077		527594	419926
5.106		386154	325175
5.138		155576	91576
5.16		4458896	3542130
5.201		84380	60208
5.233		255250	203715
5.352		51473	31998
5.375		865807	711108
5.42		2524940	2852353
5.576		181070	157553
5.621		58456	39247
5.644		197602	151299
5.693		468201	402321
5.8		856306	726774
5.832		46894	33278
6		300395	258450
6.159	DCB	6323942	5388801
6.608		4103	3457
6.776		1290	1242
7.911		1251	956
8.291		6151	11192

AR1641724B **AAAR164AA** **ICAL 1724999999** **10736** **SW-846 8082**

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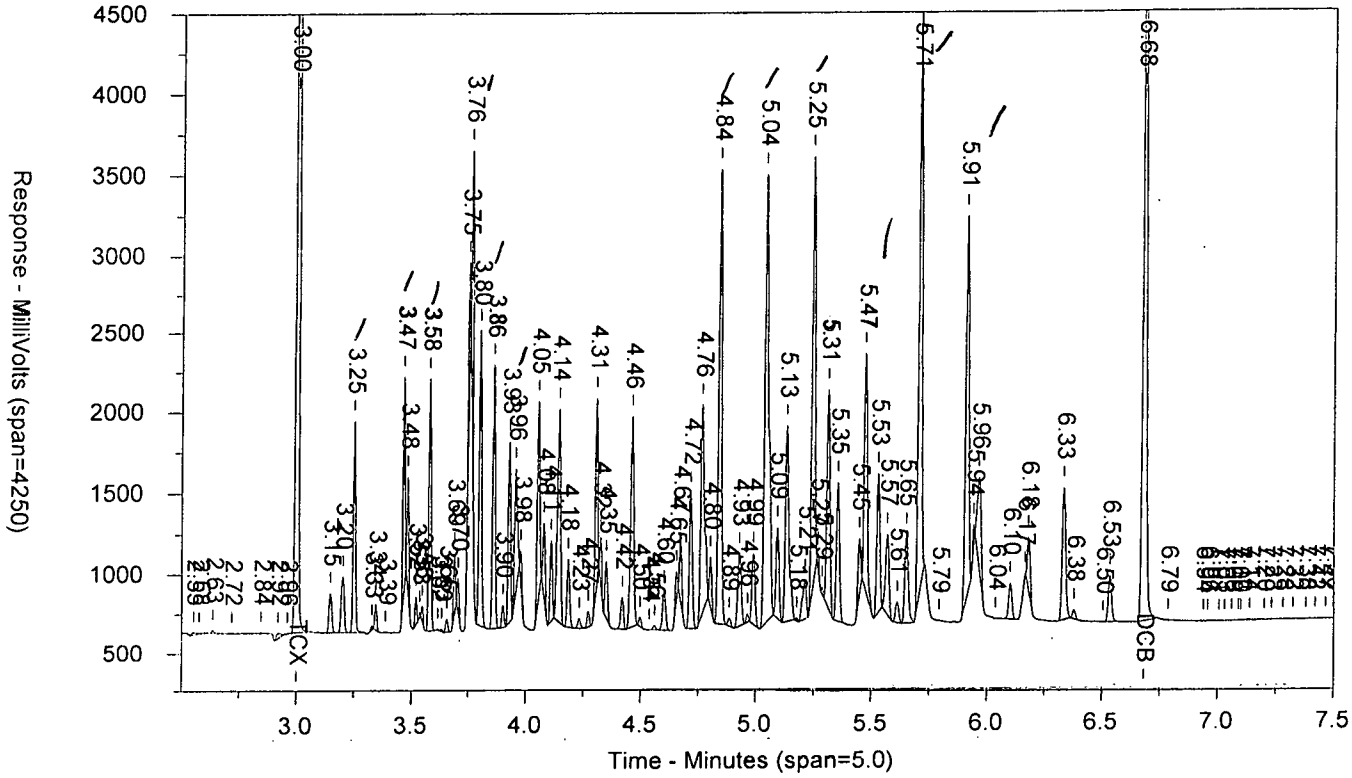

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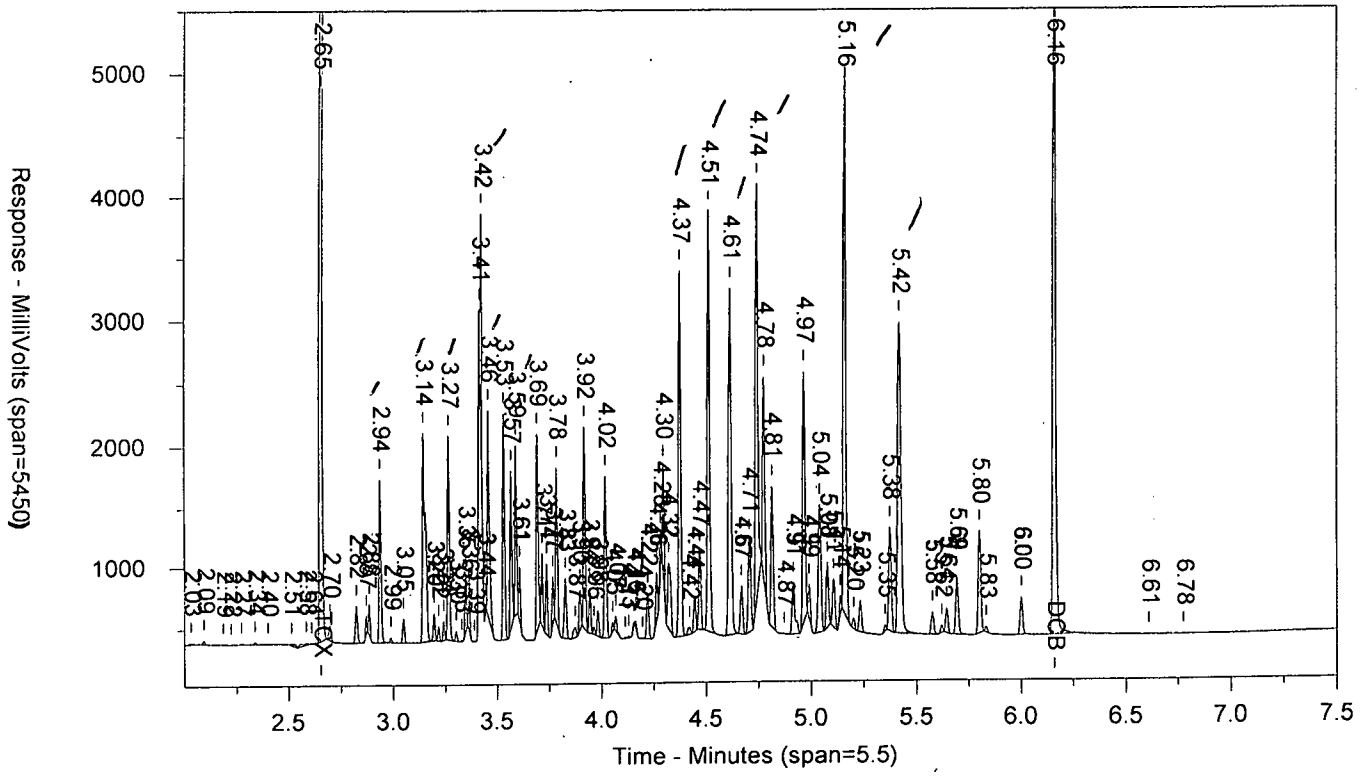

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:08:11 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	15672730	41.701	TCX	2.653	15583210	39.357	TCX
6.679	5136052	35.903	DCB	6.159	6323942	36.41	DCB

Files:
Area File: 07pcbs17250001.0010.RAW
Area File: 07pcbs17250001B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 12:16:53 AM
File Reported On: 9/8/2017 at 12:17:02 AM

AR1641724B AAAR164AA ICAL 1724999999 10736 SW-846 8082

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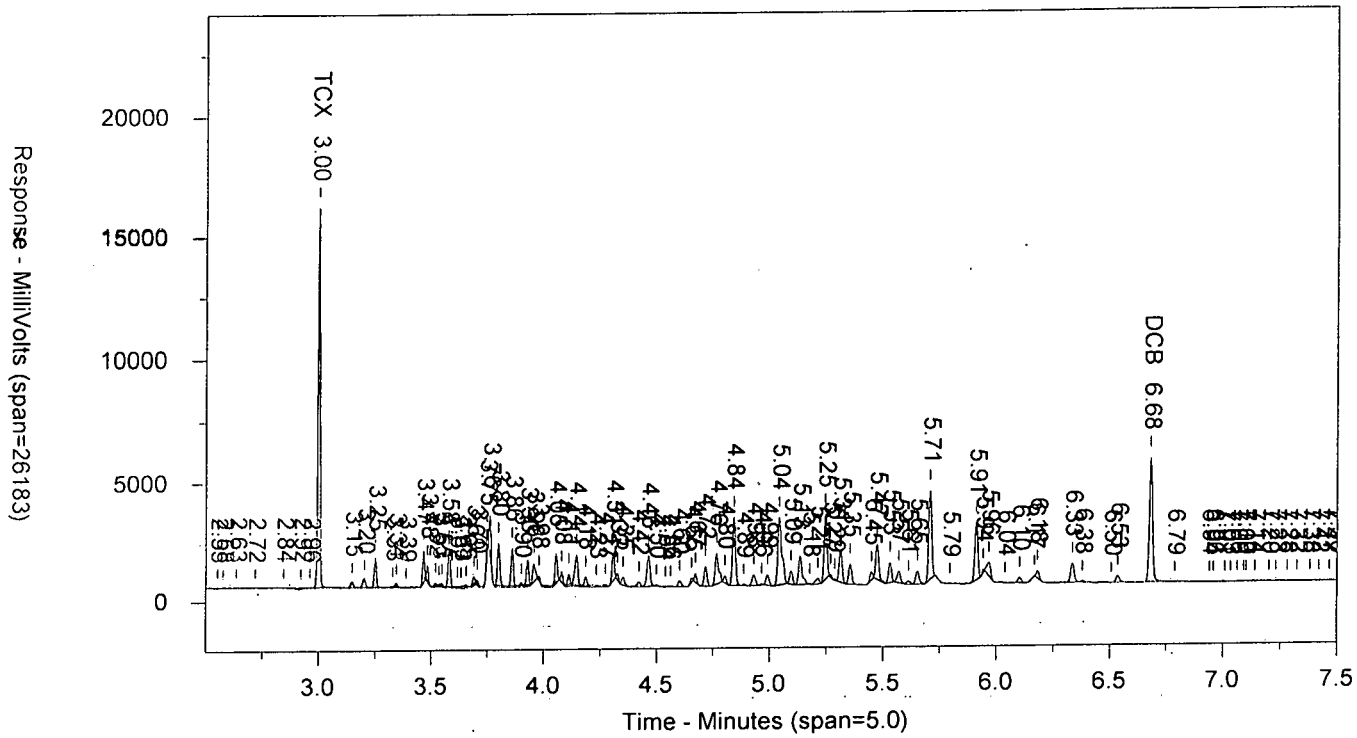

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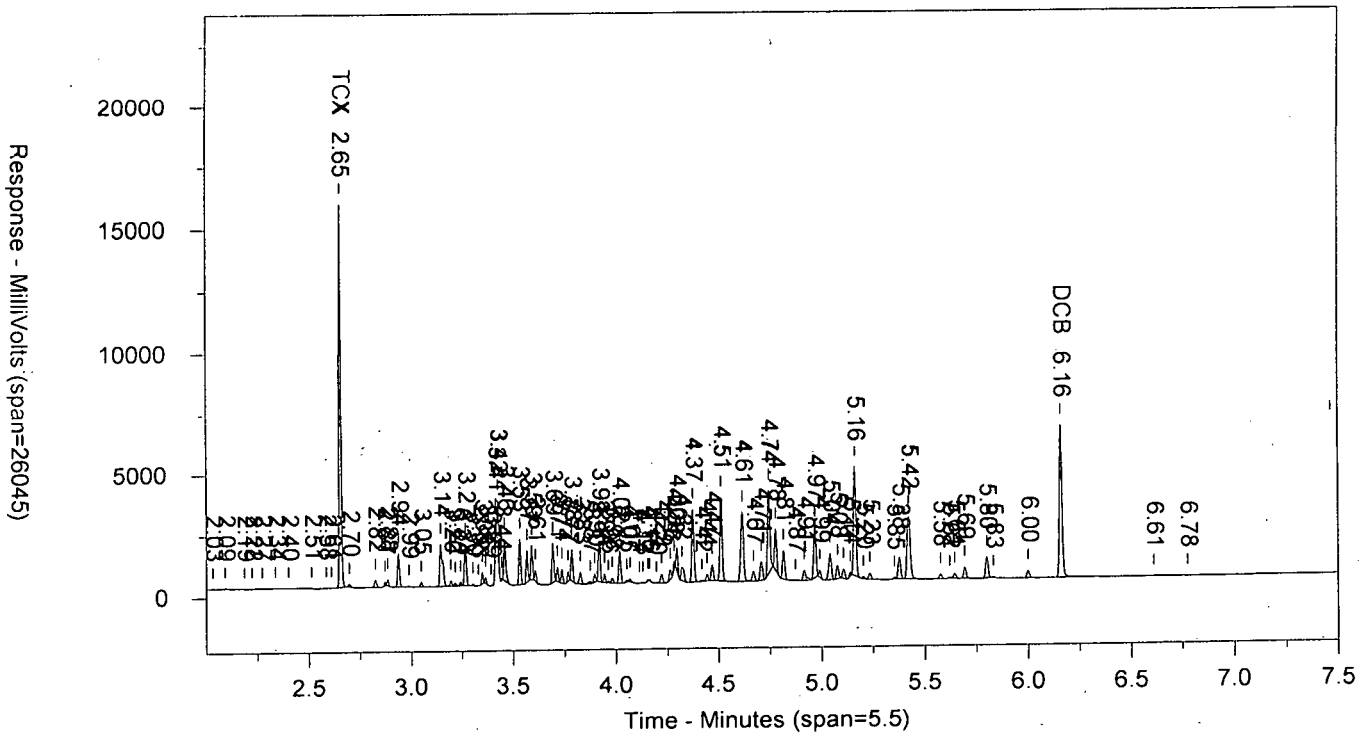

AR1641724B AAAR164AA ICAL 1724999999 10736 SW-846 8082

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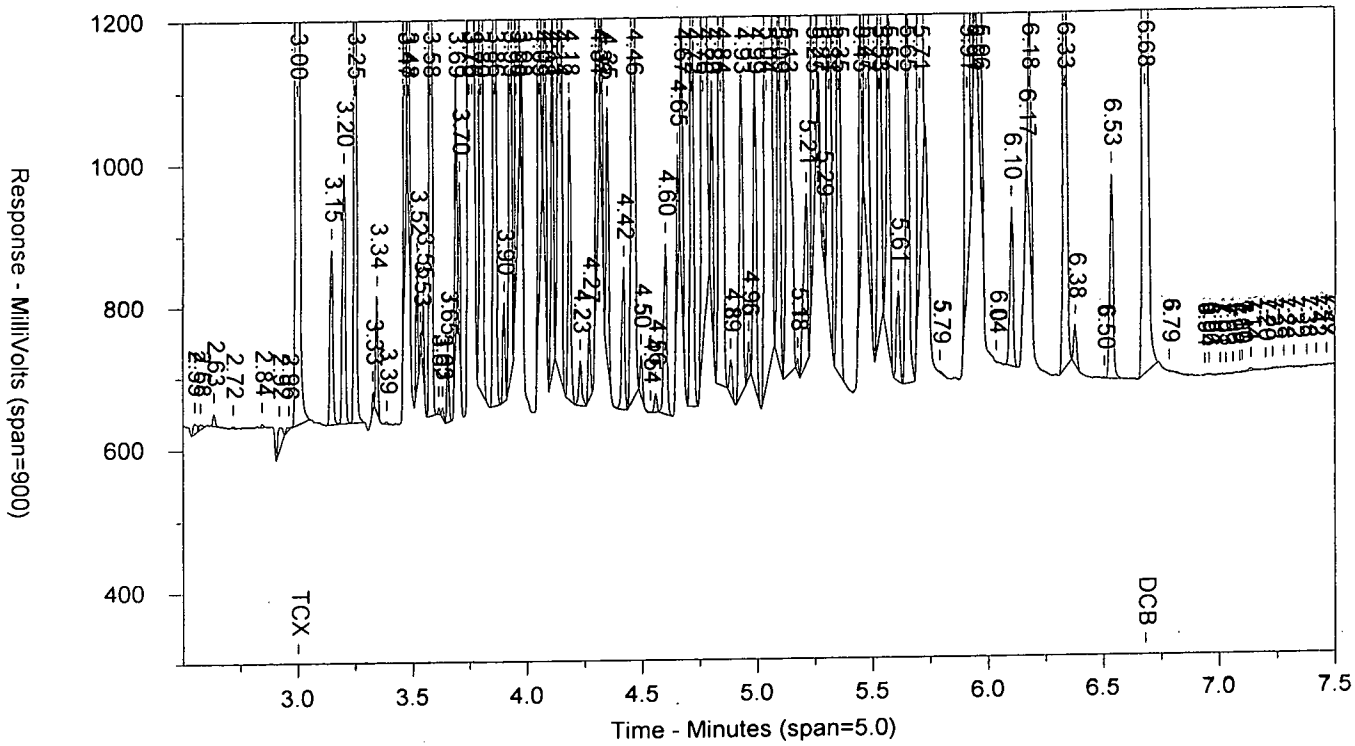

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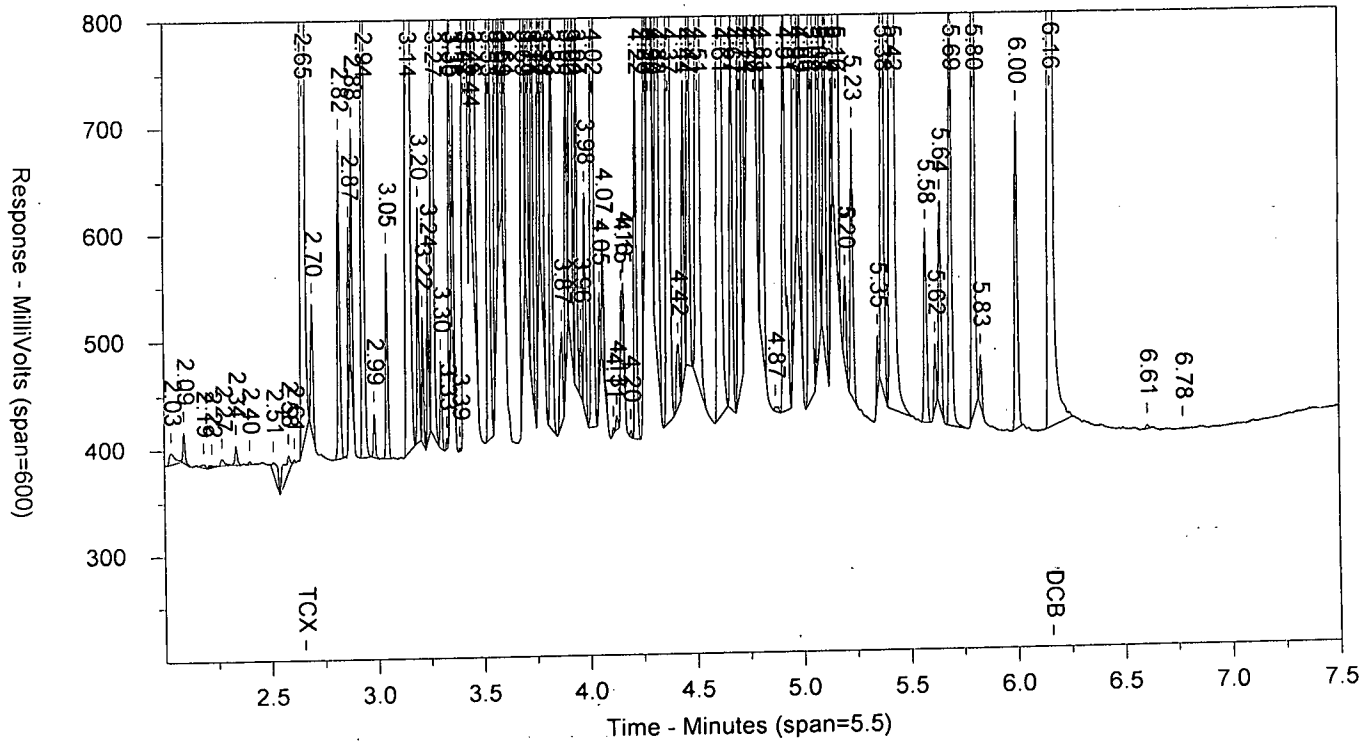

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:19:40 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.634		23656	26320
1.668		11394	23019
1.79		3536	1983
2.038		5299	10696
2.112		23114	51727
2.147		19099	27962
2.222		4204	3335
2.295		113269	85300
2.391		34326	21956
2.404		44449	29824
2.433		8077	8921
2.497		3671	2127
2.55		16805	15648
2.635		42157	31141
2.845		17719	12671
2.912		16326	24901
2.962		7854	11630
3	TCX	23521100	14792200
3.147		563255	489171
3.203		700770	610955
3.251		3051780	2012090
3.328		36656	17603
3.344		362726	232742
3.385		10735	6857
3.465		3057455	1822257
3.482		1539932	820510
3.519		390477	223151
3.535		82011	31525
3.547		206451	102961
3.58		3824135	2672302
3.617		20274	10792
3.632		29903	15642
3.655		190408	129331
3.689		834301	481736
3.704		462961	230780
3.749		2349604	1202135
3.76		4059212	2057325
3.8		4310326	3378268
3.858		4024160	2908835
3.9		325135	222001
3.928		2600443	1878270
3.955		1923147	1601062
3.978		453737	246034
4.029		2519	1053
4.054		3036176	2071436
4.079		1100581	730504
4.11		1147451	830522
4.144		3176803	2997121
4.185		934641	771884
4.231		156421	131569
4.271		219546	164223
4.307		2659440	1983146
4.326		735921	382472

RT A	Compound A	Height A	Area A
4.349		825485	629664
4.42		450087	397039
4.463		3124568	2928563
4.497		127459	94666
4.559		57640	45682
4.601		542176	525013
4.654		377821	255960
4.672		790730	562272
4.716		2003781	1744943
4.764		3227034	3341145
4.803		754030	537243
4.842		7150358	6311717
4.886		112440	97059
4.928		1035378	1091492
4.963		100404	69384
4.989		1070080	965477
5.041		7089278	8468582
5.093		1354175	1197662
5.132		3031948	3248504
5.174		45843	23302
5.212		536005	646357
5.246		6870037	6025941
5.267		226623	111401
5.286		113438	52869
5.312		3527219	3029534
5.353		1987348	1889552
5.448		832412	650130
5.473		3822787	3314910
5.529		2063930	1860180
5.568		1187095	1173289
5.61		270401	270096
5.65		1309872	1411498
5.706		9840190	10022610
5.794		4781	4951
5.911		5984682	5393756
5.942		274098	170202
5.965		1279422	1390641
6.006		6223	5890
6.1		369070	359260
6.18		1122162	1684436
6.289		1999	1038
6.333		1893860	1918038
6.377		127950	113781
6.501		2041	991
6.533		588860	605098
6.68	DCB	7322093	7608649
6.948		1341	409
7.056		1789	1056
7.071		1690	652
7.097		2434	778
7.108		2389	496
7.141		5458	7657
7.228		1722	1181
7.282		1834	932
7.362		1287	504
7.399		1569	904
7.431		1726	1116
7.446		1588	979
7.51		1401	485
7.684		1515	574
7.756		2012	1247
7.87		1952	507
7.954		1808	1505
7.998		1668	400
8.039		1365	420
8.185		1727	1043

RT A	Compound A	Height A	Area A
8.382		1313	380
8.403		1732	581
8.443		1707	658
8.476		1621	400
8.577		1491	385
8.596		1487	393

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:19:40 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.551		2599	1896
1.588		4777	3512
1.655		3023	2837
1.73		2778	4278
1.762		9919	14698
1.832		4959	13144
1.85		2495	1636
1.966		113381	100266
2.032		12498	19650
2.092		41575	28653
2.182		4799	7001
2.225		3025	4551
2.271		8722	8017
2.337		42153	30313
2.37		2141	1174
2.399		3161	2363
2.461		2603	2108
2.512		3588	3912
2.555		4848	4789
2.583		25527	15606
2.609		7497	4475
2.653	TCX	24188140	14324390
2.696		259385	198199
2.824		658471	461766
2.87		197185	92623
2.884		568059	293424
2.937		3033606	1919902
2.987		61151	36728
3.048		422886	274459
3.144		3843472	3841588
3.195		492208	304477
3.217		257099	147220
3.242		345707	189393
3.266		3982540	2567103
3.303		184461	110460
3.33		15285	6319
3.348		1050597	542905
3.364		603974	287051
3.391		7536	3266
3.414		2175874	1039459
3.424		4698705	2049724
3.443		164667	57265
3.457		4185390	2764471
3.531		4628349	2762042
3.566		3015289	1819735
3.589		3353200	1809553
3.607		1030300	506461
3.692		3715701	2428003
3.715		1437503	762021
3.736		1287300	771535
3.767		883953	475631
3.784		3073068	1858643
3.826		1093322	793132
3.873		182140	174846

3.896		701389	426060
3.918		4178603	2607443
3.943		823001	488835
3.963		147970	69869
3.982		461611	285669
4.018		3137444	2165767
4.052		175887	102947
4.068		282364	167623
4.112		12480	6960
4.13		33245	22782
4.154		74094	44639
4.163		125777	57924
4.196		13661	6313
4.221		866137	603759
4.264		877214	540790
4.282		779957	398004
4.296		2331049	1290775
4.321		1290297	1294276
4.374		7387740	5397892
4.419		129475	124438
4.444		666677	430043
4.469		1551940	1117553
4.511		8430357	6346724
4.615		7070690	6499639
4.669		873234	737134
4.707		1789140	1547273
4.743		8521979	6827559
4.776		4173693	2855711
4.815		2852051	2166365
4.886		10061	11198
4.915		855769	615273
4.932		83552	42247
4.967		5353354	4026984
4.991		660282	421328
5.041		2526151	2282784
5.077		1196754	980907
5.107		923993	749124
5.138		394300	232762
5.161		10882510	8873266
5.202		208876	149451
5.234		510507	410042
5.273		7375	5510
5.353		115266	70823
5.376		2092708	1661949
5.421		6463348	6974114
5.577		306404	265843
5.621		134580	95392
5.645		299875	234393
5.693		1002805	913171
5.8		2029513	1687957
5.832		102323	75653
6		621854	566697
6.123		1543	1016
6.159	DCB	8862076	7971423
6.607		5738	5511
7.031		1625	1934
7.456		1361	1813
8.296		7010	13942

AR1651724B AAAR165AA ICAL 1724999999 10736 SW-846 8082

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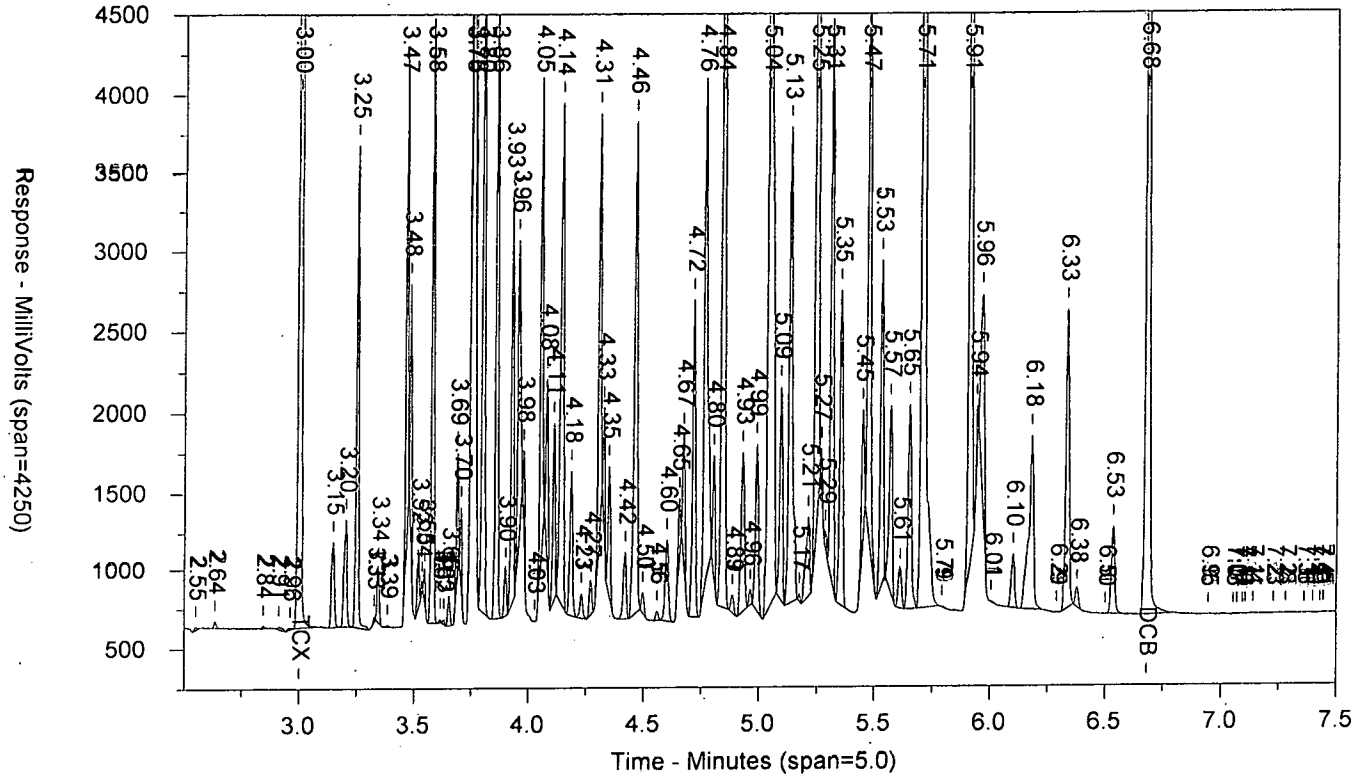

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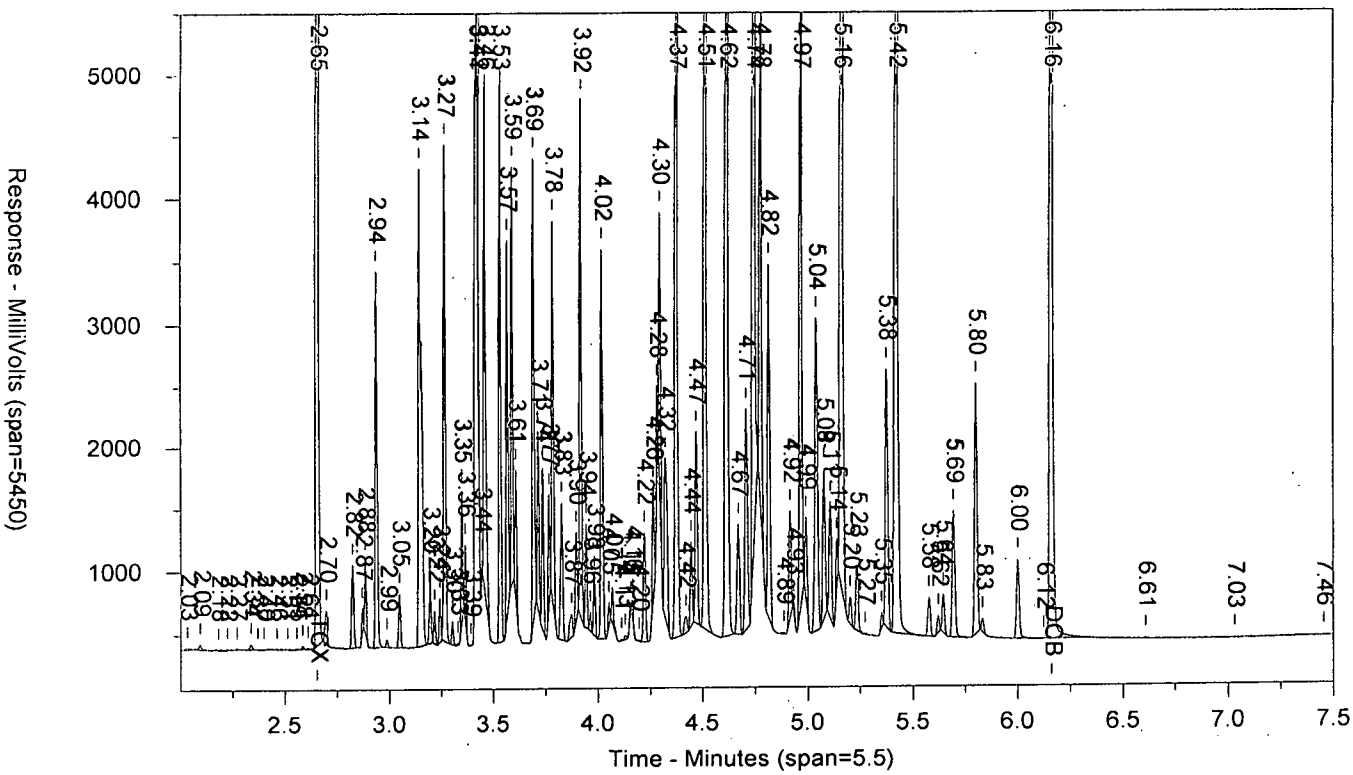

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:19:40 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	23521100	62.492	TCX	2.653	24188140	61.511	TCX
6.68	7322093	51.951	DCB	6.159	8862076	52.445	DCB

Files:
Area File: 07pcbs17250001.0011.RAW
Area File: 07pcbs17250001B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 12:28:23 AM
File Reported On: 9/8/2017 at 12:28:38 AM

AR1651724B AAAR165AA ICAL 1724999999 10736 SW-846 8082

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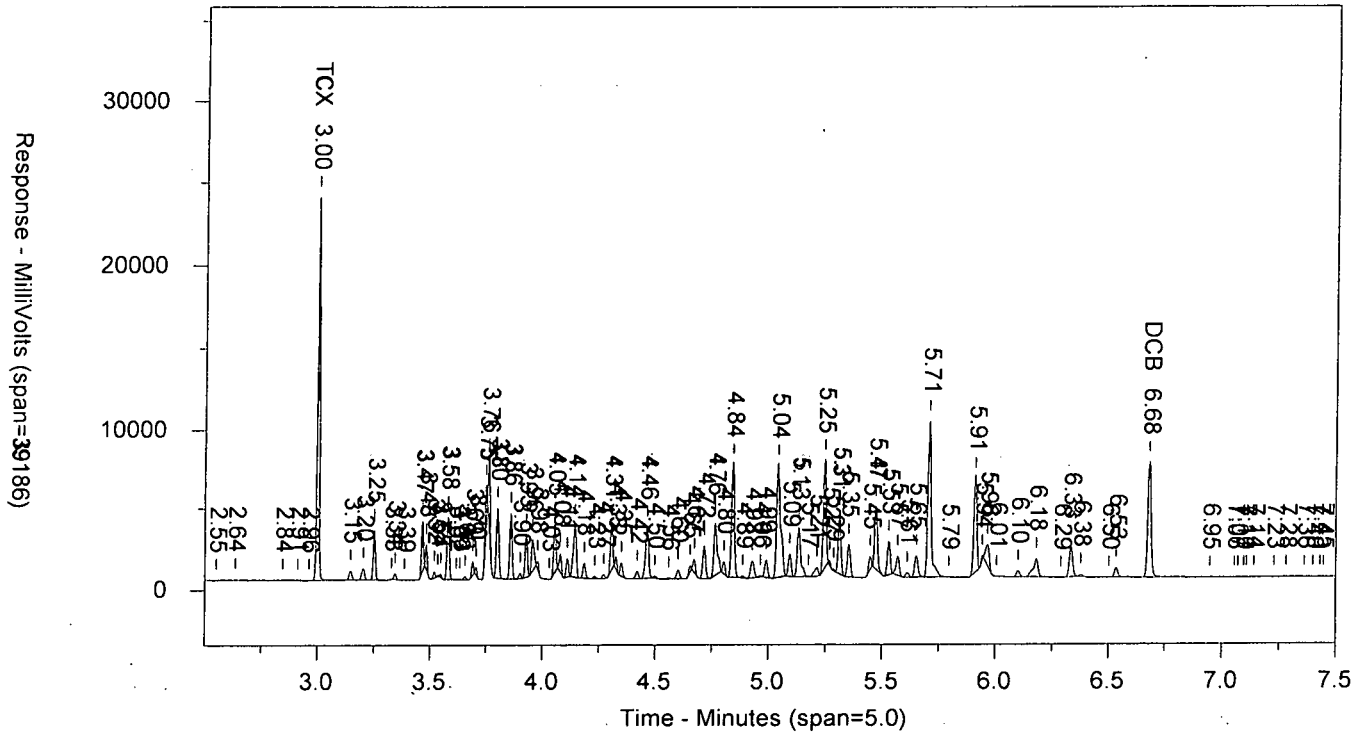

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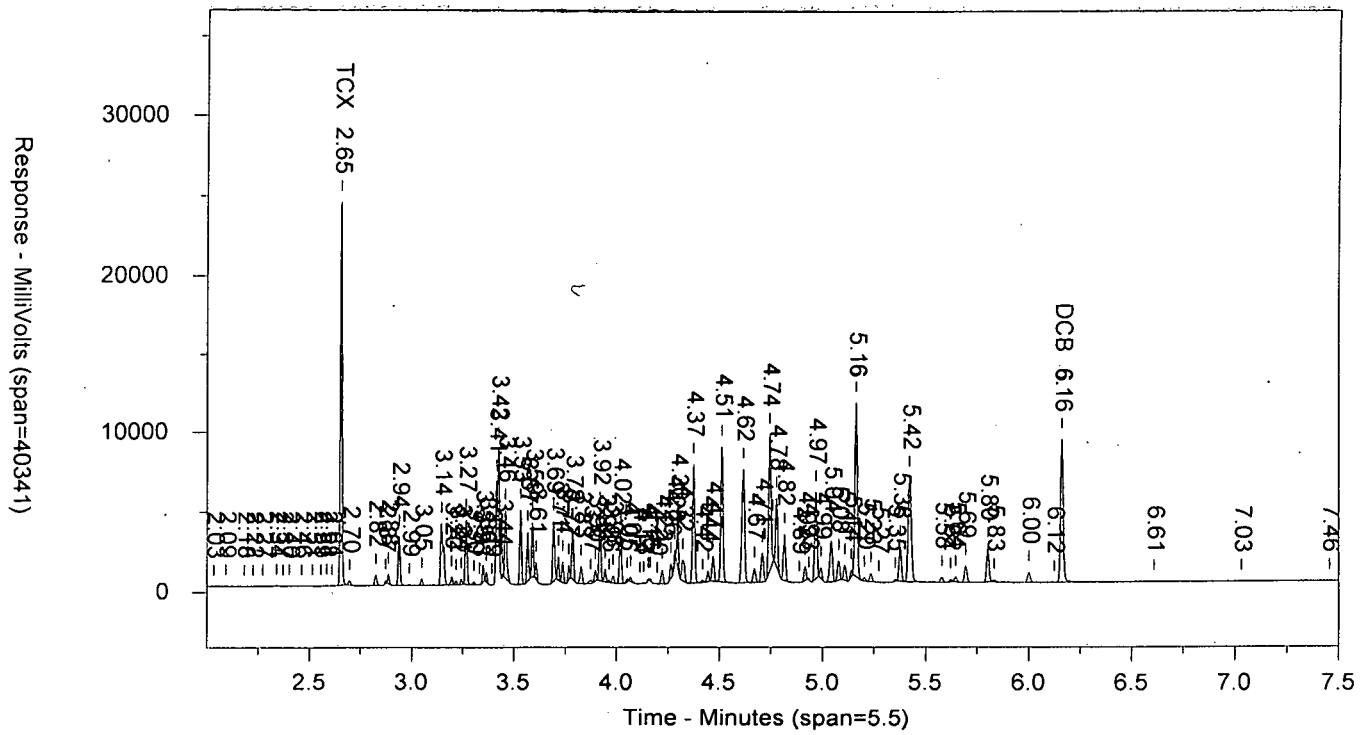

AR1651724B AAAR165AA ICAL 1724999999 10736 SW-846 8082

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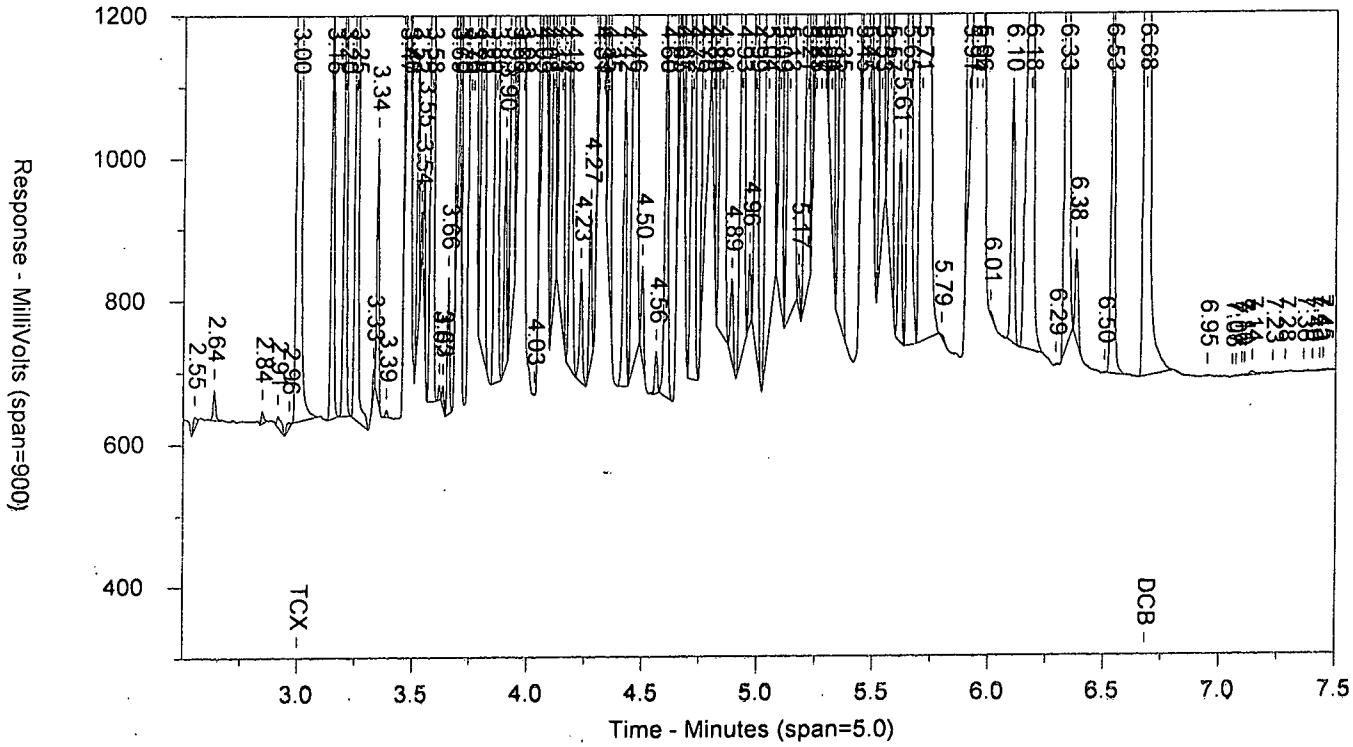

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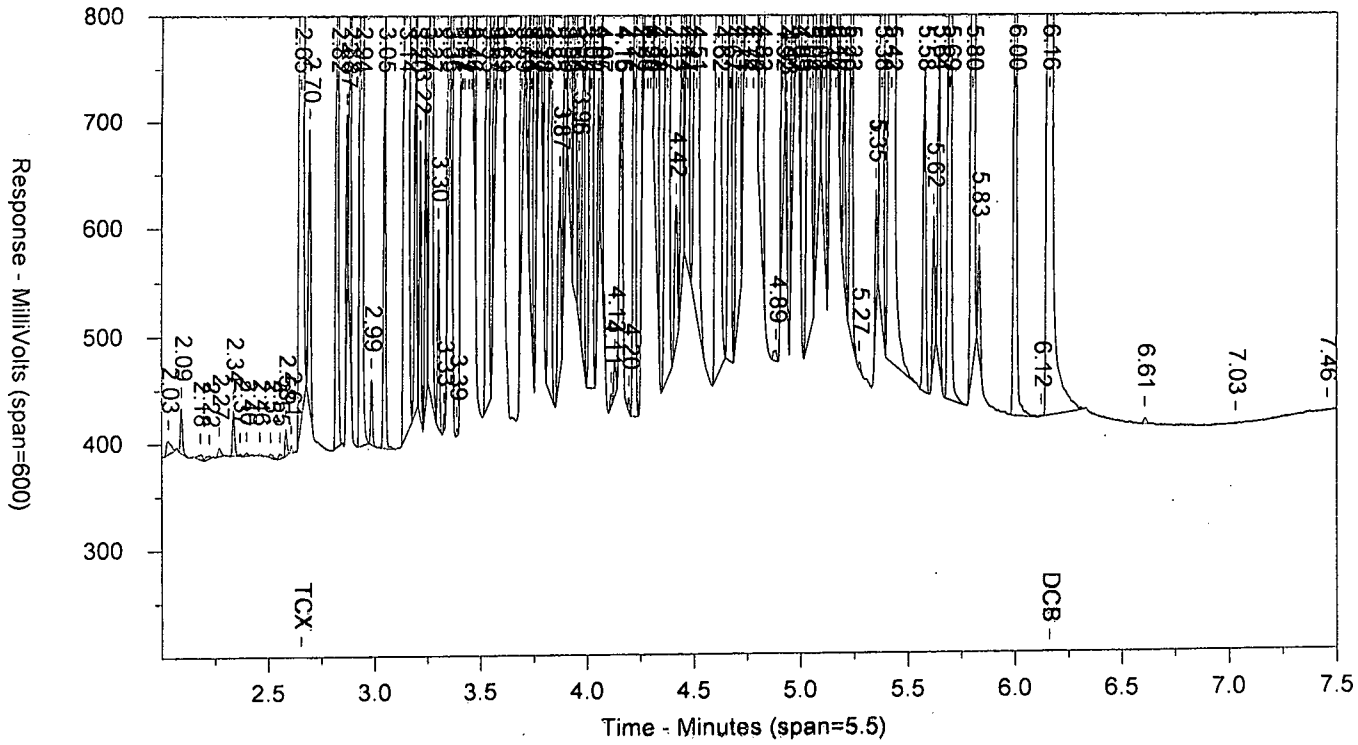

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1724999999 10738 SW-846 8082
Injected On: 9/8/2017 12:30:59 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.665		7546	31199
1.789		**2790**	**833**
2.112		12677	24643
2.153		25729	46270
2.268		2590	1266
2.294		146240	104674
2.39		29594	18799
2.403		57625	40864
2.433		8117	11517
2.497		4428	3514
2.551		15462	20202
2.608		4867	4008
2.635		76025	55108
2.715		4517	3231
2.776		1959	1307
2.822		9369	6859
2.844		**65964**	**54929**
2.914		27033	29183
2.953		5591	4152
2.999	TCX	30141000	19297900
3.146		1023858	895029
3.202		1257396	1017187
3.25		5664227	3722122
3.327		40286	17434
3.343		669353	435847
3.384		22305	14400
3.464		5962817	3460323
3.481		3166878	1656847
3.517		706764	405420
3.533		**141549**	**55031**
3.545		362401	182058
3.579		7116544	5064667
3.614		43432	21798
3.63		45024	22668
3.653		337529	232235
3.687		1581234	934590
3.702		876599	436065
3.747		4184594	2189786
3.759		8119403	4200114
3.797		8880937	6535833
3.857		8060138	5681970
3.898		582769	404833
3.926		4952902	3618995
3.953		**3659332**	**3057483**
3.976		965787	495274
4.027		4501	1779
4.052		5798269	3996742
4.077		1996417	1313793
4.108		2236867	1573168
4.143		6436111	5878152
4.183		1855014	1454994
4.23		280895	242263
4.27		388706	300944

RT A	Compound A	Height A	Area A
4.305		5689420	4058119
4.324		1427031	772751
4.348		1635522	1218564
4.418		861951	736221
4.461		6151498	5668458
4.495		243602	172314
4.536		4747	2240
4.558		102324	83325
4.6		993560	946988
4.652		846438	530908
4.669		1601544	1068899
4.713		3953578	3400013
4.763		6172530	6509476
4.8		1531887	1044842
4.84		14354970	12457690
4.883		203741	183278
4.926		2022281	2119375
4.961		179796	121207
4.987		2070094	1864501
5.039		14973330	17262380
5.091		2633776	2359545
5.131		6471725	6639316
5.173		96442	48422
5.21		1062722	1240729
5.244		14061570	12497250
5.265		599343	281818
5.285		247080	110917
5.31		6903932	6059102
5.352		4192078	3816429
5.447		1723279	1348166
5.471		8326508	6712950
5.527		4368720	3718229
5.565		2435596	2350277
5.607		464620	483825
5.648		2622715	2735430
5.705		20236460	17758640
5.727		112005	97741
5.795		18439	19874
5.845		3068	1149
5.855		5955	2614
5.908		12270570	10980560
5.939		536916	342025
5.964		2655577	2753829
6.098		512172	509772
6.177		2158081	2921412
6.331		3757666	3640931
6.375		249073	226222
6.53		998009	1041578
6.676	DCB	9817195	9901663
6.94		2157	580
7.069		1827	655
7.092		1756	546
7.101		1332	400
7.137		5517	6241
7.159		1486	598
7.232		1594	539
7.377		1941	766
7.397		1306	391
7.418		1897	488
7.474		1373	896
7.801		1561	426
7.9		1670	609
7.957		1568	1300
8.106		1361	471
8.147		1973	362
8.177		1526	309

RT A	Compound A	Height A	Area A
8.255		2347	1037
8.27		1575	422
8.33		2051	636
8.362		1910	1161
8.479		1384	397
8.565		1633	405
8.596		1079	358

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:30:59 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.588		4440	6120
1.761		2449	1872
1.809		1731	1284
1.833		2508	1684
1.852		1387	958
1.967		137970	116271
2.034		21617	43185
2.092		54959	38623
2.186		4139	4442
2.225		2471	3152
2.273		7166	9527
2.338		77510	57553
2.401		4041	3745
2.458		2167	3222
2.56		10114	14332
2.584		90400	65955
2.609		13542	7612
2.653	TCX	31399770	18851840
2.696		464048	367477
2.824		1274241	855592
2.871		235313	106976
2.885		1047044	575098
2.937		5695419	3549501
2.987		81563	46354
3.047		766007	501089
3.144		7123490	7117320
3.195		894469	567432
3.216		479537	270285
3.241		624517	348691
3.265		7326357	4793060
3.302		337088	205822
3.329		18099	7597
3.348		1957871	1016243
3.363		1147522	545018
3.389		12828	5582
3.413		3879621	1910169
3.423		8825775	3799951
3.442		281475	101053
3.456		7880640	5309966
3.53		8615760	5357948
3.564		6061537	3445775
3.588		6342038	3483752
3.605		1973456	972117
3.69		7395883	4664804
3.713		2590955	1439751
3.735		2446079	1494599
3.766		1665132	909474
3.783		6050370	3651251
3.825		2108889	1501701
3.872		353821	325606
3.894		1392572	838709
3.916		7976208	5068046
3.942		1608777	959725
3.961		268181	133133

3.98		861080	533578
4.016		6303758	4191306
4.051		319891	192166
4.066		507040	312841
4.111		22990	11879
4.128		65575	44520
4.153		542939	695832
4.195		19288	9250
4.22		1658864	1173599
4.263		1660397	978215
4.28		1770002	813851
4.294		4592576	2509920
4.321		2461746	2519330
4.372		14114620	10479390
4.417		238471	225389
4.443		1280105	839044
4.467		3041870	2156697
4.51		17010030	12429620
4.613		13882450	12778090
4.667		1761868	1409644
4.706		3616118	2995391
4.742		17023370	13629390
4.775		8313499	5588464
4.813		5534924	4301784
4.883		20882	23834
4.914		1912019	1879125
4.965		10326000	7964741
4.989		1303969	841474
5.039		4996722	4467692
5.075		2443366	1919423
5.105		1792373	1439532
5.137		815603	450072
5.159		21972460	17810770
5.199		398154	293906
5.232		868604	721543
5.272		8419	4690
5.309		6280	4492
5.35		223458	138095
5.373		4071319	3257170
5.419		13248180	13810770
5.538		6661	3810
5.574		449175	384416
5.619		265720	195253
5.643		412673	315442
5.692		1969055	1740075
5.798		3936008	3329337
5.83		202225	148777
5.998		1113863	983482
6.158	DCB	11820900	10482010
6.332		4536	3129
6.605		8816	7414
7.35		1299	1174
7.765		1418	3605
8.289		6619	13366

AR1661724A AAAR166AA ICAL 1724999999 10736 SW-846 8082

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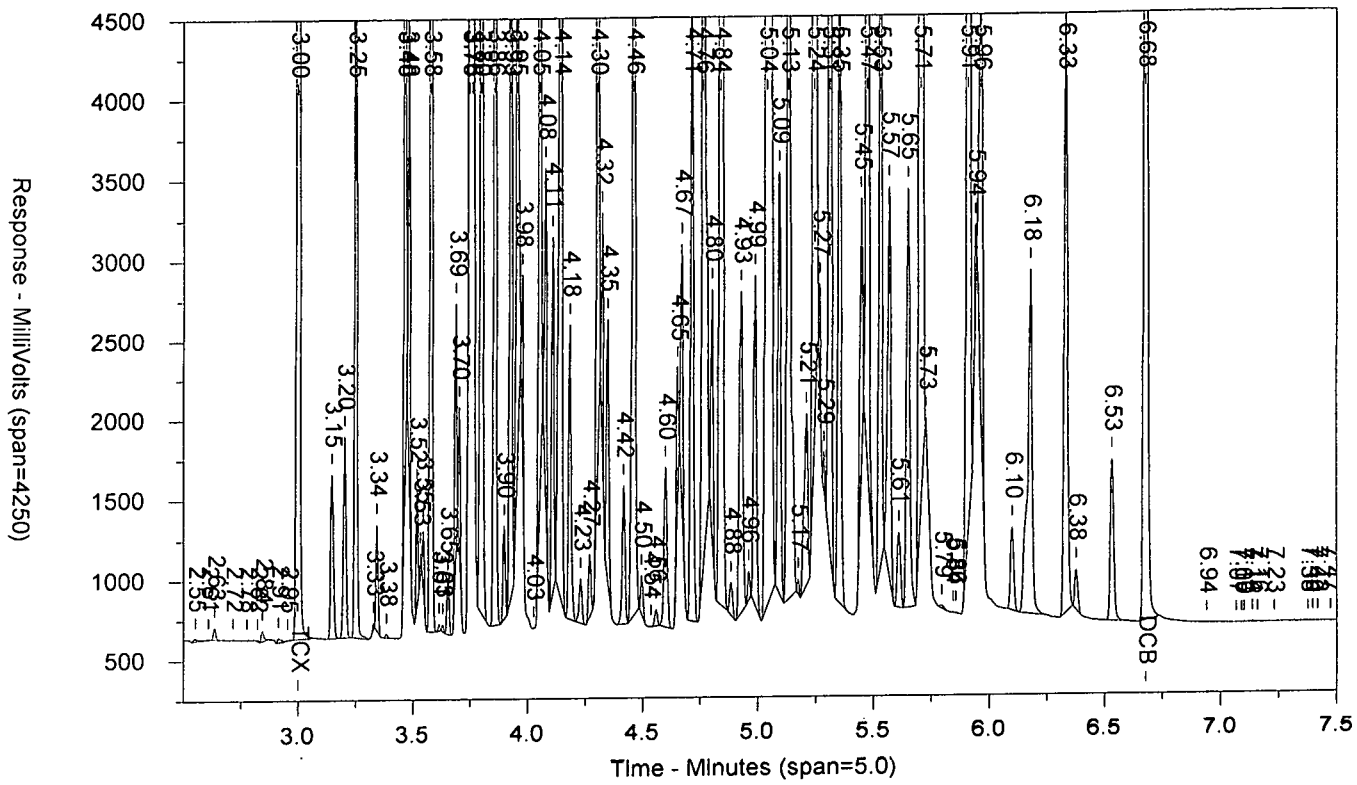

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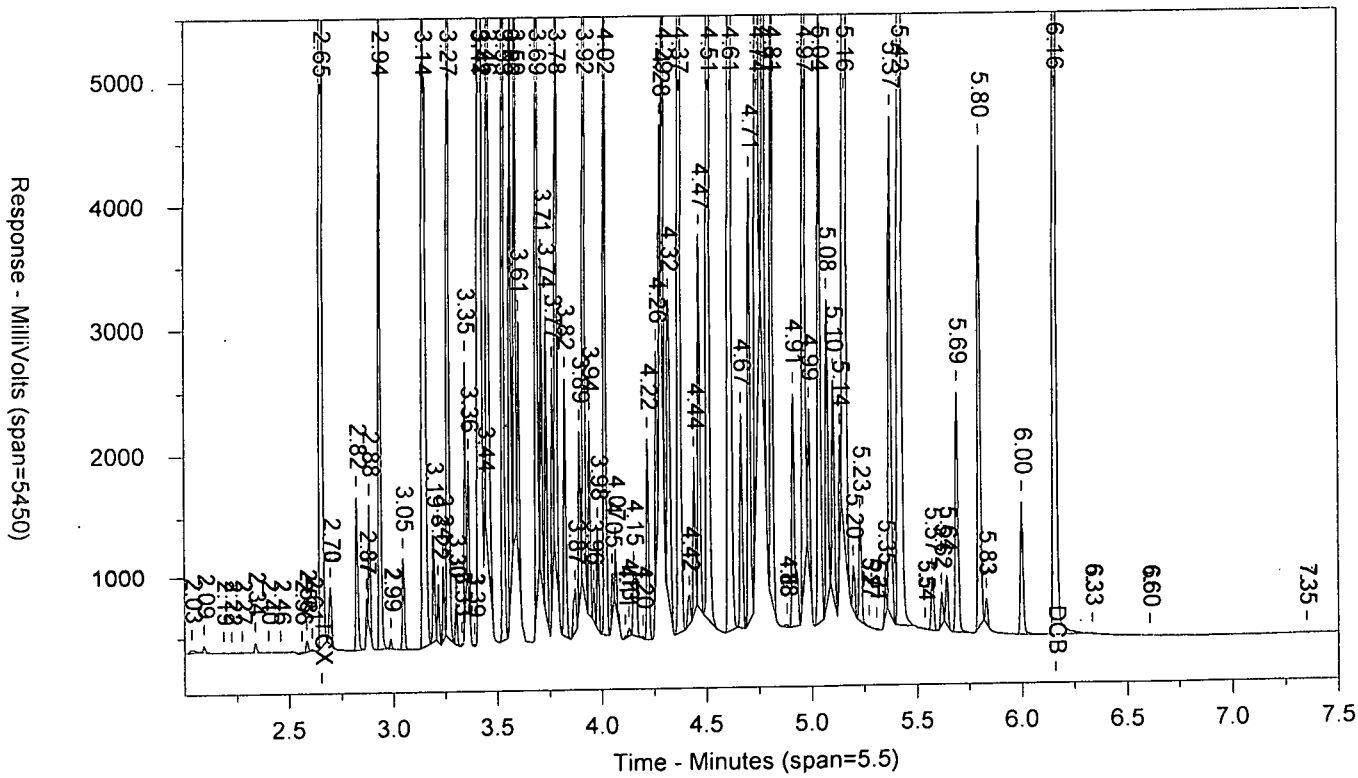

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:30:59 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	30141000	79.857	TCX	2.653	31399770	80.347	TCX
6.676	9817195	71.085	DCB	6.158	11820900	72.044	DCB

Files:
Area File: 07pcbs17250001.0012.RAW
Area File: 07pcbs17250001B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 12:39:42 AM
File Reported On: 9/8/2017 at 12:39:52 AM

AR1661724A AAAR166AA ICAL 1724999999 10736 SW-846 8082

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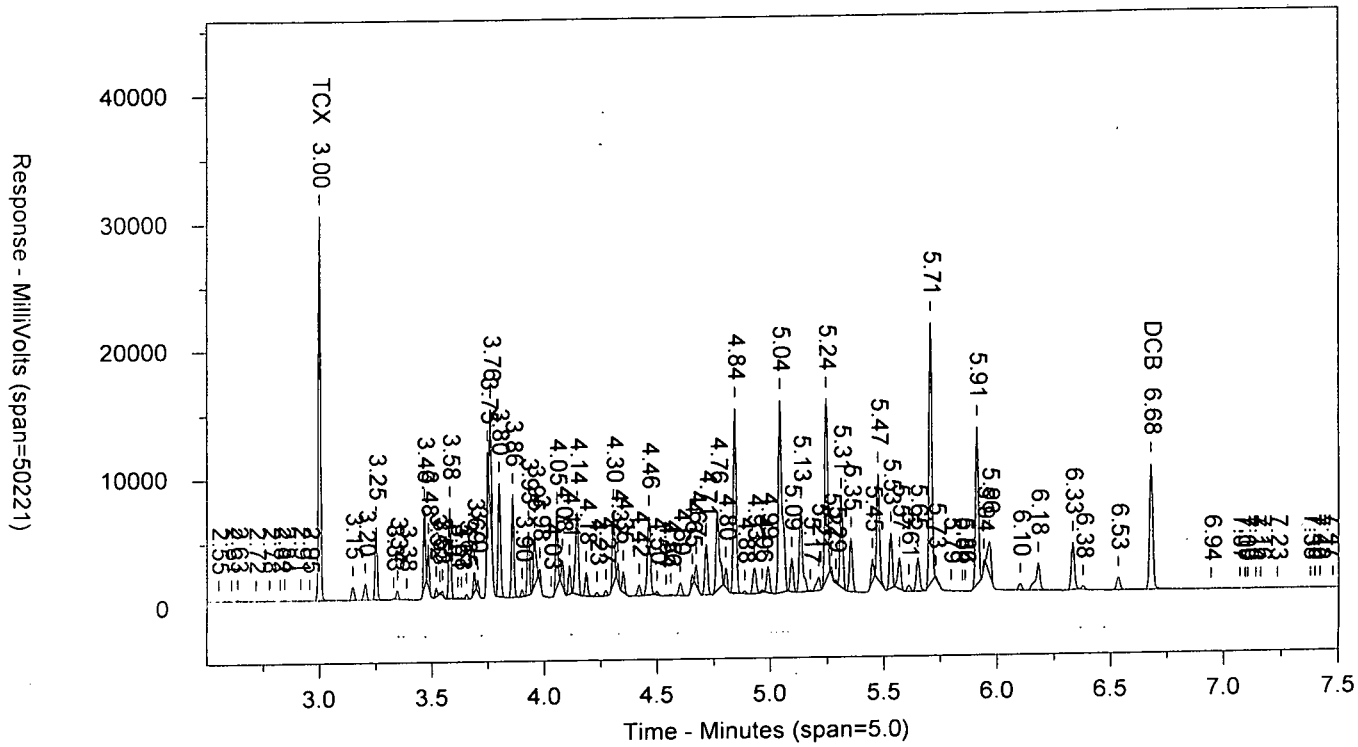

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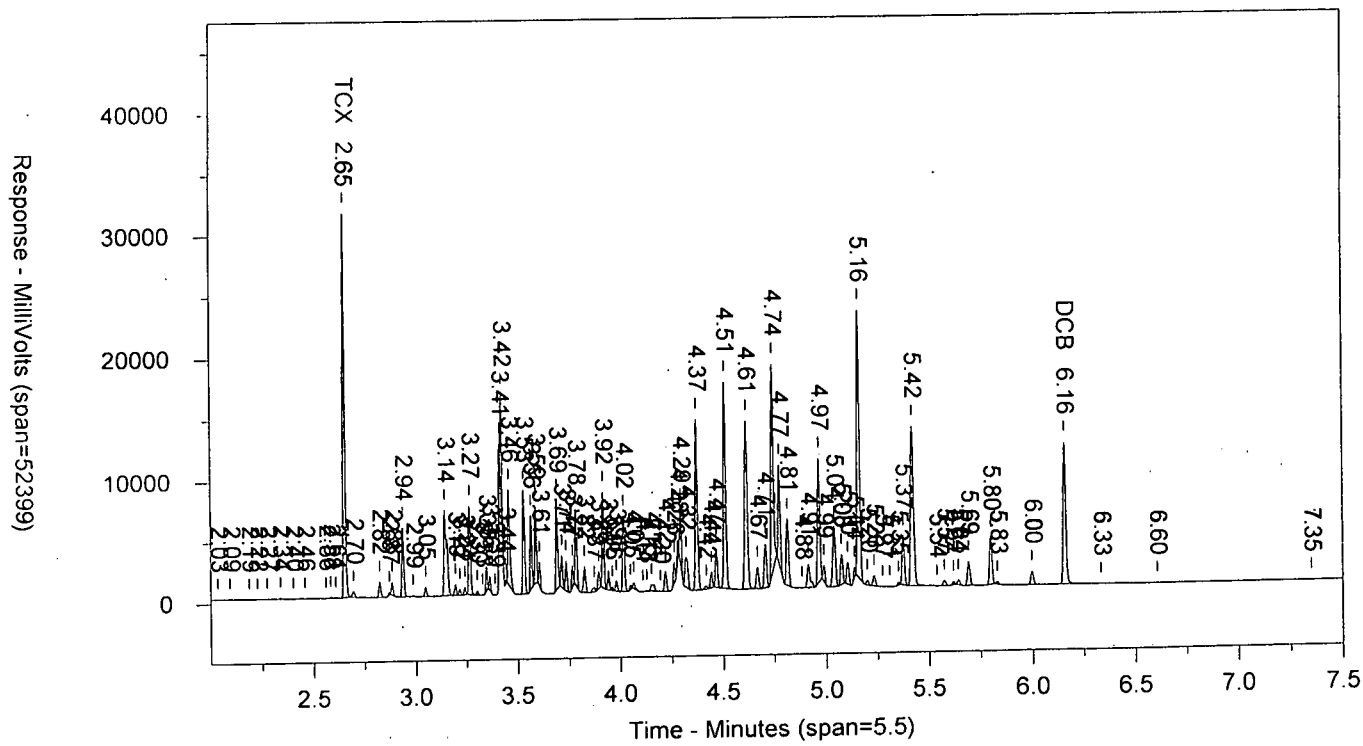

AR1661724A AAAR166AA ICAL 1724999999 10736 SW-846 8082

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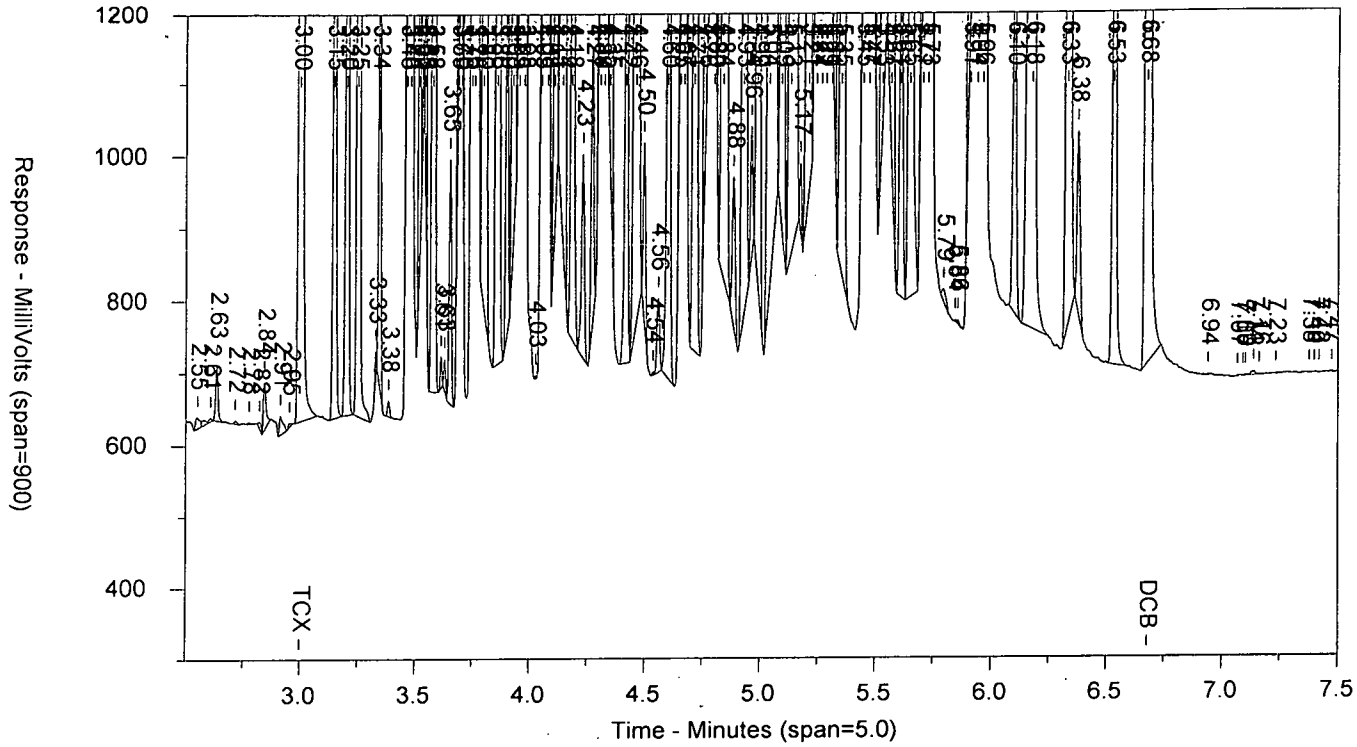

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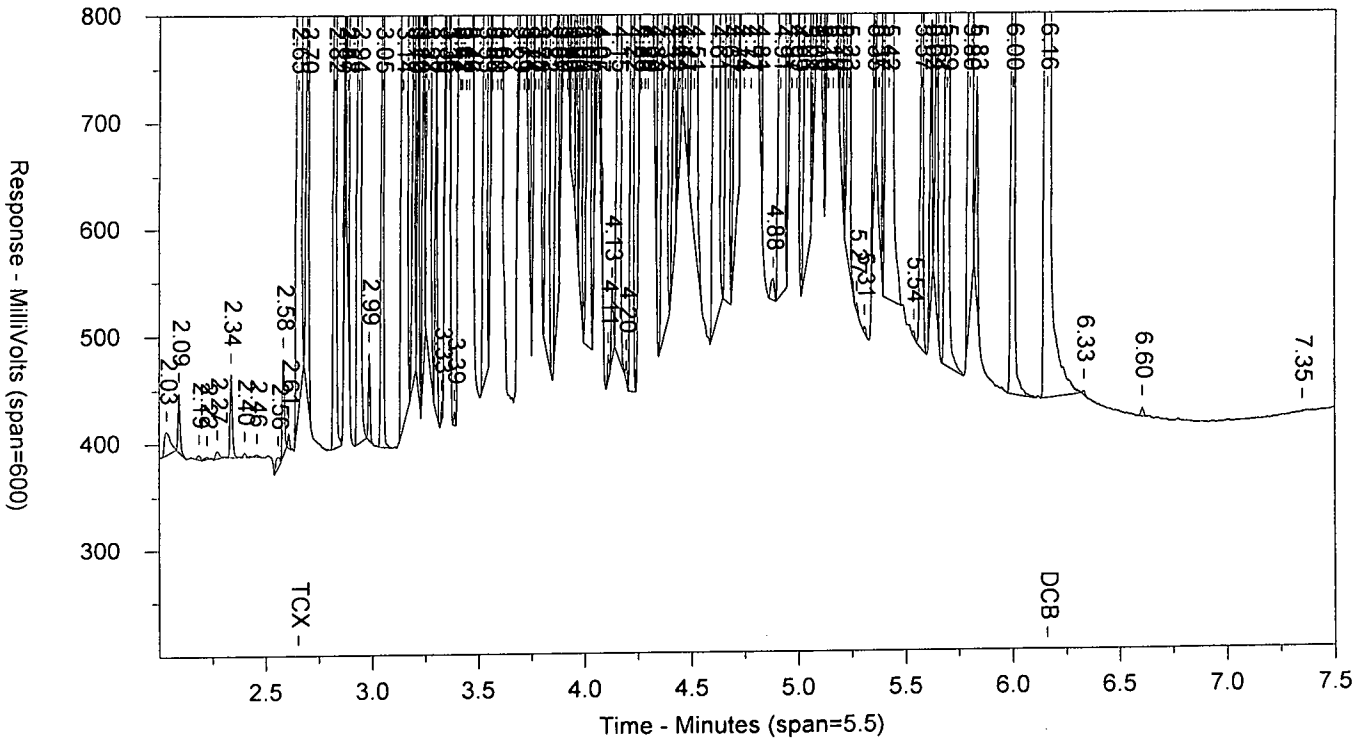

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:42:31 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.632		17941	19623
1.669		8061	17139
1.971		2023	1120
2.114		13514	27694
2.151		6795	6503
2.295		4290	4437
2.391		25447	16536
2.436		7372	7084
2.551		14680	16755
2.577		4023	3054
2.608		1918	1232
2.717		3117	1735
2.761		1791	1444
2.844		19883	16263
2.93		35925	66640
2.958		7696	7534
2.999	TCX	760319	506604
3.15		10135	9275
3.201		12897	10599
3.251		42183	28158
3.343		17666	30965
3.466		111988	68512
3.482		39372	19499
3.518		6544	3575
3.535		2755	1036
3.58		109788	76560
3.657		12405	10191
3.689		20944	12459
3.704		7581	3501
3.748		100076	55786
3.76		88086	44950
3.799		140299	111435
3.858		145633	107270
3.9		21657	14103
3.927		238256	177729
3.955		162252	131337
3.977		42627	22867
4.054		269398	195217
4.079		82894	55822
4.11		101285	71098
4.144		233903	211657
4.184		78711	62681
4.233		3369	1659
4.248		8670	5374
4.272		21572	15823
4.305		176320	119357
4.325		234215	151387
4.349		255827	192697
4.419		25875	24447
4.456		195417	168151
4.476		47508	23994
4.497		61605	43535
4.537		3827	2060

RT A	Compound A	Height A	Area A
4.56		16905	13079
4.603		77928	70795
4.654		93157	77753
4.686		61875	46386
4.716		178845	158158
4.764		3751	2666
4.8		65610	57426
4.842		18628	20716
4.889		15961	13846
4.93		105212	97656
4.989		2186	1842
5.041		11979	11249
5.094		1956	1520
5.128		75245	76351
5.202		3251	2576
5.246		23429	20886
5.312		3481	1979
5.336		1446	693
5.398		2387	5628
5.451		7410	5669
5.471		3713	2236
5.608		1845	954
5.65		3486	3002
5.708		11154	9375
5.73		4453	2856
5.776		1502	379
5.875		1406	1969
5.909		10377	11037
5.966		6179	9781
6.024		2877	4620
6.037		1560	476
6.051		1327	802
6.1		11127	11106
6.134		1365	427
6.162		12984	16114
6.261		1987	1036
6.299		1274	719
6.334		5518	5071
6.421		1673	432
6.484		1421	460
6.533		5615	4718
6.678	DCB	307541	317519
6.736		2129	469
6.792		1259	279
6.94		2099	815
7.098		1444	1446
7.259		1469	1794
7.272		1538	433
7.367		1957	1091
7.396		1714	533
7.498		1039	340
7.523		1502	915
7.543		1825	984
7.626		1911	1249
7.759		1454	505
7.864		1186	872
7.93		1359	390
8.128		1578	894
8.214		1567	799
8.272		2230	565
8.291		1626	366
8.443		2135	1505
8.458		1625	556
8.538		2075	723
8.55		2025	805

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:42:31 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.587		**2623**	**2055**
1.654		1621	1486
1.765		3872	4957
1.832		4288	2443
1.869		2151	1872
1.959		29310	21826
2.031		12045	17595
2.071		4117	4058
2.172		4025	5099
2.208		3112	2473
2.272		10540	12366
2.368		3585	2622
2.403		2476	1966
2.462		4494	3398
2.513		**13722**	**33852**
2.558		22186	28668
2.584		29594	23121
2.653	TCX	783631	471837
2.696		3269	2229
2.737		4201	5007
2.825		16185	15654
2.871		9288	4725
2.884		3997	1952
2.913		2174	1613
2.937		41911	26842
2.995		3558	3745
3.024		1816	1150
3.048		9706	5761
3.078		**3415**	**6425**
3.144		145091	132561
3.195		9662	4995
3.218		5960	3895
3.242		4477	2864
3.265		112156	74657
3.304		9158	6518
3.348		25269	13191
3.363		9792	4871
3.413		107724	51907
3.423		96002	39982
3.443		23367	9950
3.457		117271	74543
3.531		155384	97158
3.565		270792	167917
3.588		247716	137356
3.606		79740	40302
3.691		317618	206523
3.714		107891	58015
3.736		105437	63667
3.766		50927	26702
3.784		217644	134270
3.825		90193	62700
3.873		16133	14479
3.895		159996	99795
3.917		411710	259856

3.943		264026	168243
3.962		25388	11360
3.98		32369	19036
4.018		120936	82562
4.052		195508	159334
4.081		100419	53462
4.127		16357	14489
4.163		68993	52903
4.22		118032	89636
4.254		68793	47045
4.281		182577	135457
4.321		4904	4479
4.375		75881	69994
4.41		18431	14054
4.443		110480	82980
4.511		17645	12137
4.536		8158	5604
4.61		20566	20574
4.663		98309	78954
4.704		4407	3180
4.744		33939	28631
4.813		3504	2457
4.933		1655	2023
4.966		6316	4493
4.991		9101	7202
5.039		3263	2920
5.138		3437	2066
5.16		11458	10097
5.234		6121	5147
5.374		3715	3015
5.417		5976	6423
5.576		8353	7259
5.646		9356	9495
5.692		4299	4171
5.797		3327	2362
6		6110	5256
6.159	DCB	343887	318744
6.63		2168	1936
7.409		1251	4217
7.627		1343	1317
8.203		1463	1118
8.293		5468	9912

AR4811724C AAAR481AA ICAL 1724999999 10736 SW-846 8082

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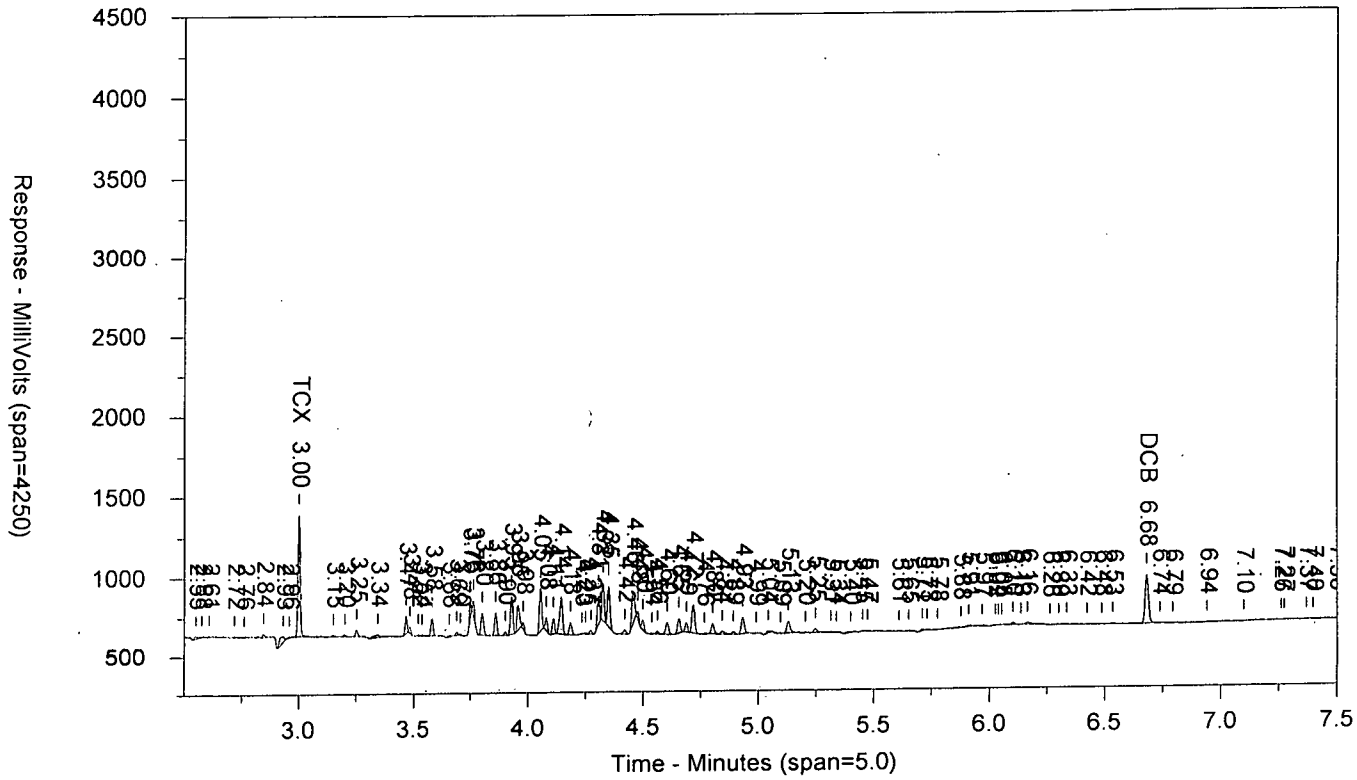

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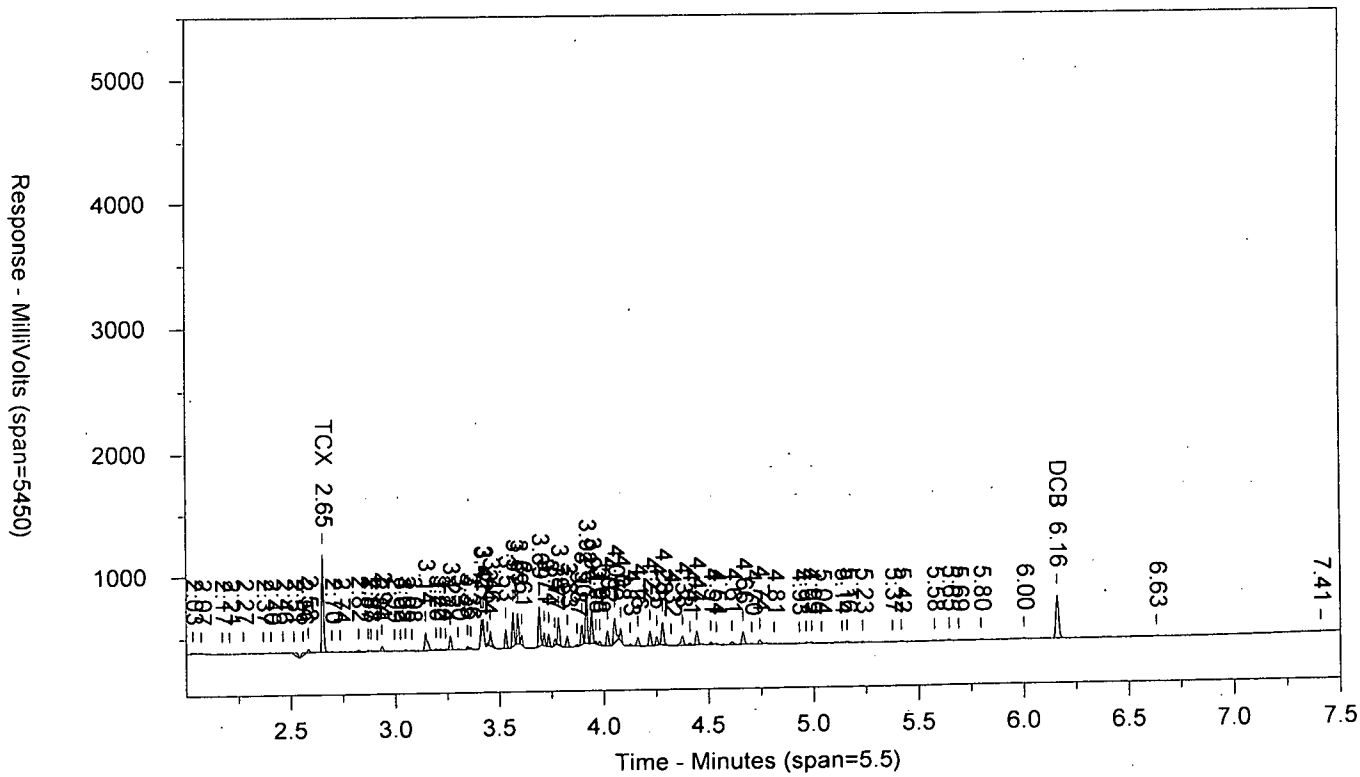

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:42:31 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	760319	2.009	TCX	2.653	783631	2.016	TCX
6.678	307541	2.278	DCB	6.159	343887	2.159	DCB

Files:
Area File: 07pcbs17250001.0013.RAW
Area File: 07pcbs17250001B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 12:51:16 AM
File Reported On: 9/8/2017 at 12:51:22 AM

AR4811724C AAAR481AA ICAL 1724999999 10736 SW-846 8082

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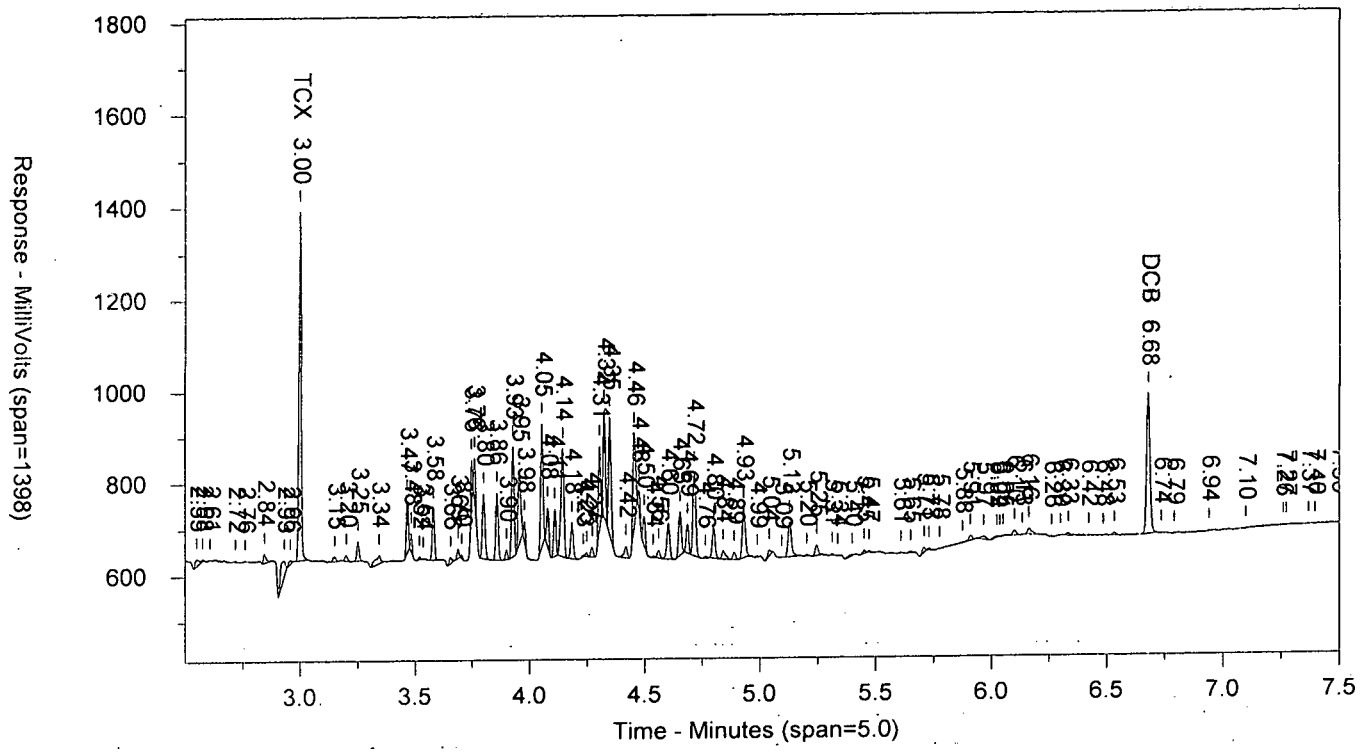

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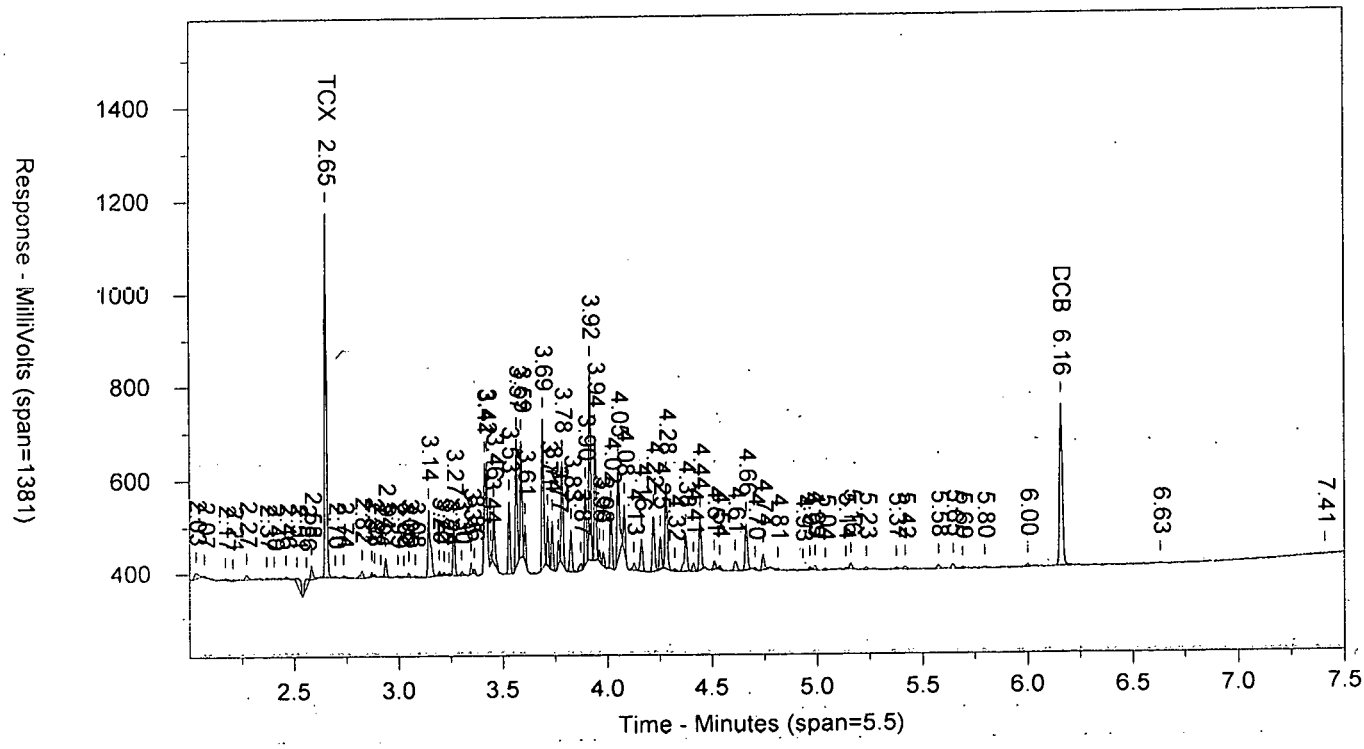

AR4811724C AAAR481AA ICAL 1724999999 10736 SW-846 8082

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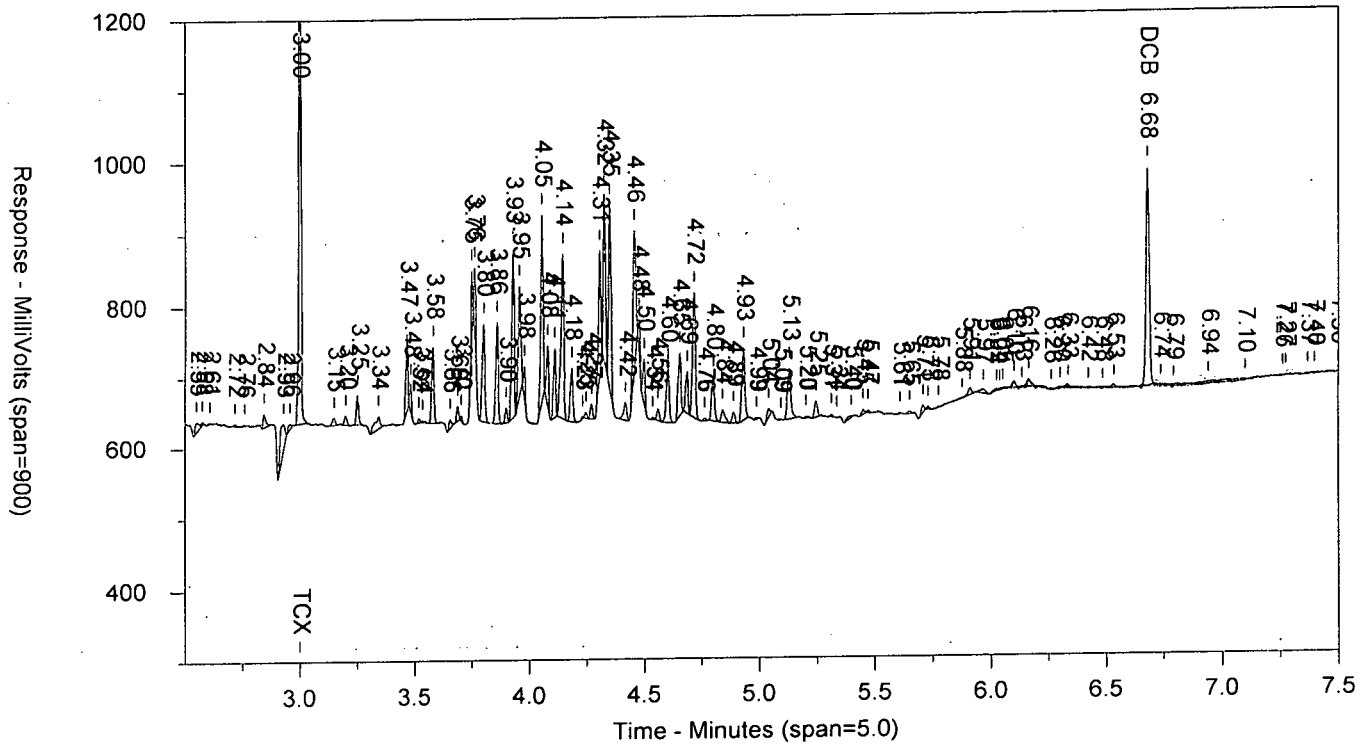

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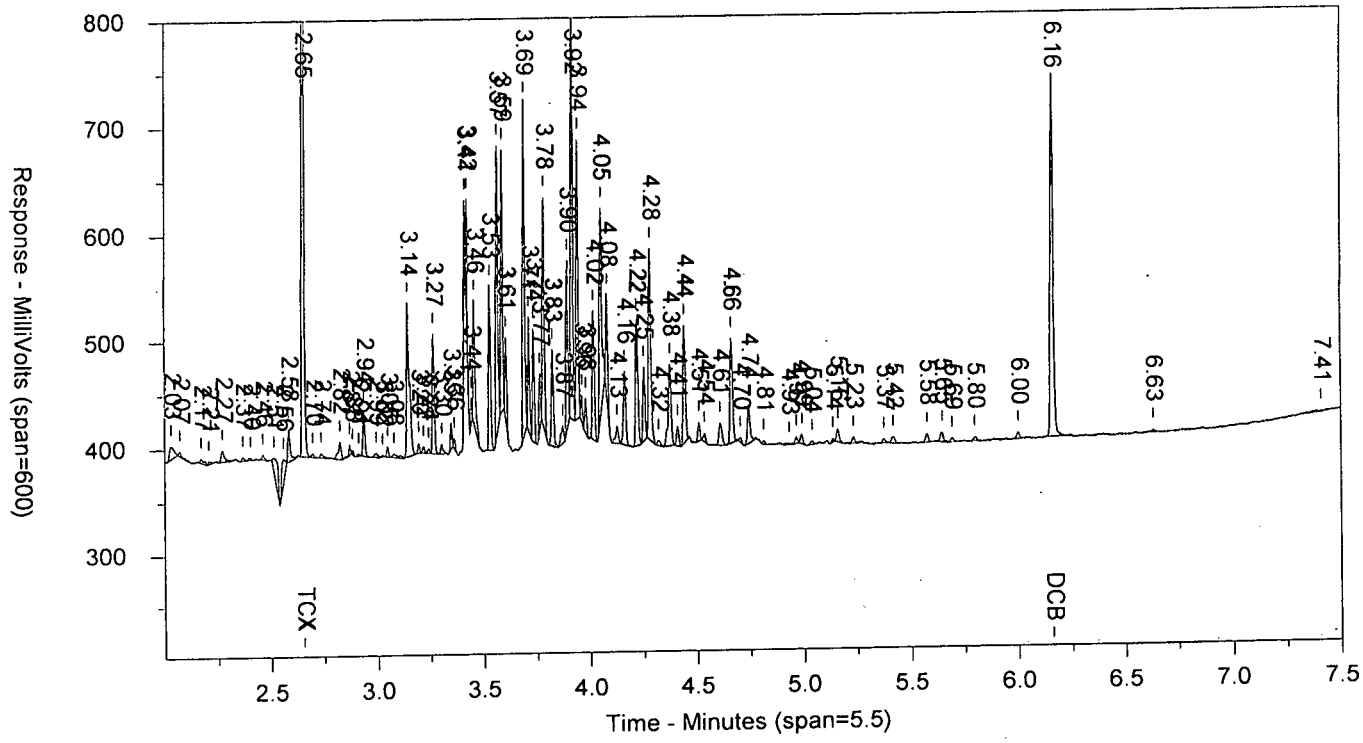

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:53:58 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0014.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.633		14835	16402
1.667		7013	14247
1.788		3892	2683
2.03		3027	3061
2.112		21711	46408
2.149		29792	95138
2.294		11031	13793
2.391		43910	30416
2.434		6714	6656
2.5		3860	11256
2.553		13165	19765
2.609		4226	5379
2.719		3676	2014
2.845		18846	12282
2.928		11297	16112
2.955		5398	4563
2.999	TCX	1455312	988481
3.147		18489	14931
3.198		27880	23353
3.251		77504	53100
3.328		6326	6392
3.343		13324	7607
3.465		199979	121780
3.482		73576	36468
3.519		15383	8119
3.536		5300	2339
3.58		192833	137732
3.656		19016	12498
3.689		38479	22610
3.705		12424	6040
3.748		182665	100546
3.76		162252	82655
3.8		243769	197710
3.858		256504	192649
3.9		37939	26024
3.927		426500	310652
3.954		271856	223994
3.978		76726	42258
4.053		469572	342577
4.078		146548	96060
4.109		175717	127453
4.143		403789	374842
4.183		143751	112345
4.231		9021	5452
4.247		4776	2762
4.271		41295	30753
4.305		308858	219031
4.324		419988	266440
4.349		447492	343138
4.419		46749	41349
4.455		331951	307522
4.475		75987	38533
4.497		110699	75225

RT A	Compound A	Height A	Area A
4.537		6228	3712
4.561		27505	20703
4.603		137036	120415
4.654		174945	152292
4.685		116345	84368
4.715		328489	282760
4.763		7399	4865
4.799		117862	106274
4.841		29925	34296
4.888		28074	25248
4.93		185138	179860
4.993		1793	1498
5.006		7478	6095
5.041		15119	12608
5.095		3904	3480
5.128		136735	139750
5.172		4268	2531
5.202		6891	8549
5.246		38402	33983
5.311		7051	5509
5.348		3503	2910
5.395		1695	3434
5.452		11176	8944
5.471		4557	3411
5.498		1601	432
5.518		1403	1293
5.608		4899	3712
5.648		7231	6065
5.706		14282	12235
5.73		7683	5809
5.766		1101	428
5.815		769	358
5.825		1284	280
5.911		12465	13201
5.948		1727	370
5.964		3251	3796
6.017		3356	2766
6.099		21084	20998
6.162		25961	31980
6.296		1188	927
6.334		4838	4423
6.359		1259	346
6.381		1355	402
6.434		2104	839
6.53		11075	9900
6.59		1110	389
6.618		2545	974
6.678	DCB	599864	610139
6.746		2006	820
6.849		1636	615
6.938		1225	232
7.008		1697	675
7.124		1517	1382
7.139		2011	845
7.179		1919	466
7.396		1408	341
7.464		1345	754
7.509		1291	794
7.59		1984	1244
7.621		1473	1207
7.665		1435	919
7.689		1917	985
7.849		1413	387
7.873		1764	989
8.151		2665	415
8.287		1180	1082

RT A	Compound A	Height A	Area A
8.38		1892	1519
8.458		1319	427
8.475		1343	709
8.5		1720	433

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:53:58 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0014.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.588		4327	5157
1.807		3504	4706
1.834		4798	3645
1.923		1861	1240
1.959		46764	34359
2.03		12528	27185
2.175		1228	2089
2.246		2157	4755
2.272		7844	8162
2.403		2877	2704
2.511		2908	5242
2.556		4846	5518
2.583		28118	21034
2.628		2258	1323
2.653	TCX	1511683	938545
2.696		4893	3489
2.733		2681	4046
2.824		22615	16104
2.851		1670	735
2.871		19872	9731
2.884		8503	3788
2.937		79355	49397
2.987		4696	3710
3.048		15714	9497
3.144		250301	227530
3.195		17892	10051
3.218		14243	9554
3.241		6495	3299
3.265		199538	133539
3.303		16157	11349
3.348		43912	23349
3.363		20739	9497
3.413		181967	86270
3.423		186526	80270
3.443		42659	16899
3.457		204459	128942
3.53		273953	175994
3.565		485565	294437
3.588		428124	241606
3.606		145633	72781
3.691		569135	368531
3.714		184429	101459
3.735		182439	115178
3.766		95069	49569
3.783		392180	238567
3.826		159934	111614
3.873		30414	25826
3.895		290349	179838
3.917		727872	463387
3.942		484952	301881
3.962		48333	21975
3.981		52263	30258
4.017		219795	154868
4.052		361306	289162

4.08		175373	96172
4.127		28099	22857
4.163		125449	96399
4.22		208321	161265
4.253		126308	86874
4.281		329864	241994
4.32		6617	5896
4.375		134710	125039
4.41		31423	23486
4.443		199237	146659
4.511		28713	18969
4.536		14885	10122
4.61		34503	34620
4.663		181982	145917
4.704		8935	7656
4.742		52763	46192
4.776		5228	2655
4.813		4697	3301
4.914		1419	788
4.966		9006	6701
4.989		15970	12007
5.04		5634	5673
5.078		1834	1424
5.11		4355	3162
5.136		5748	3568
5.159		14357	12212
5.233		10952	9189
5.376		6137	5112
5.422		10861	10933
5.576		16450	14349
5.644		20647	17373
5.693		5428	5519
5.798		4661	4017
5.999		13046	15438
6.159	DCB	654700	624372
8.295		6026	10326

AR4821724C AAAR482AA ICAL 1724999999 10736 SW-846 8082

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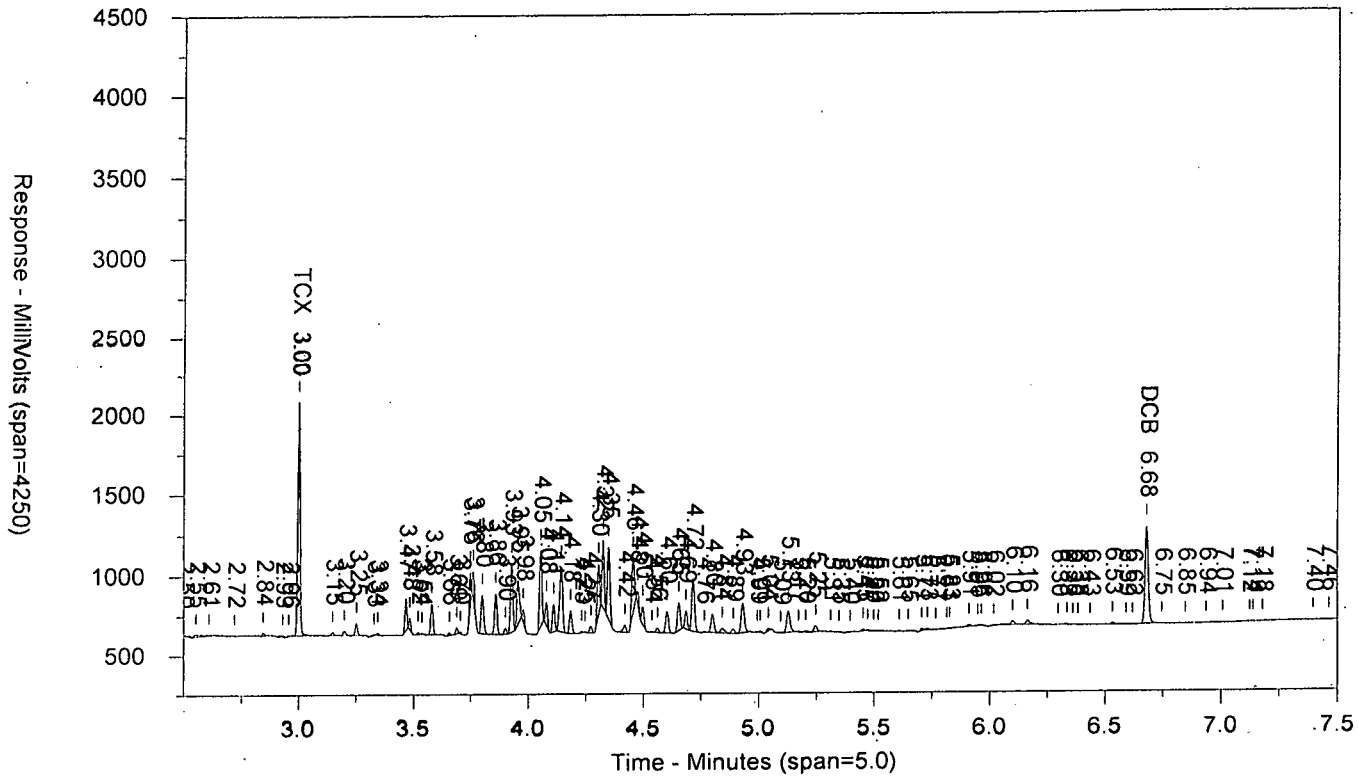

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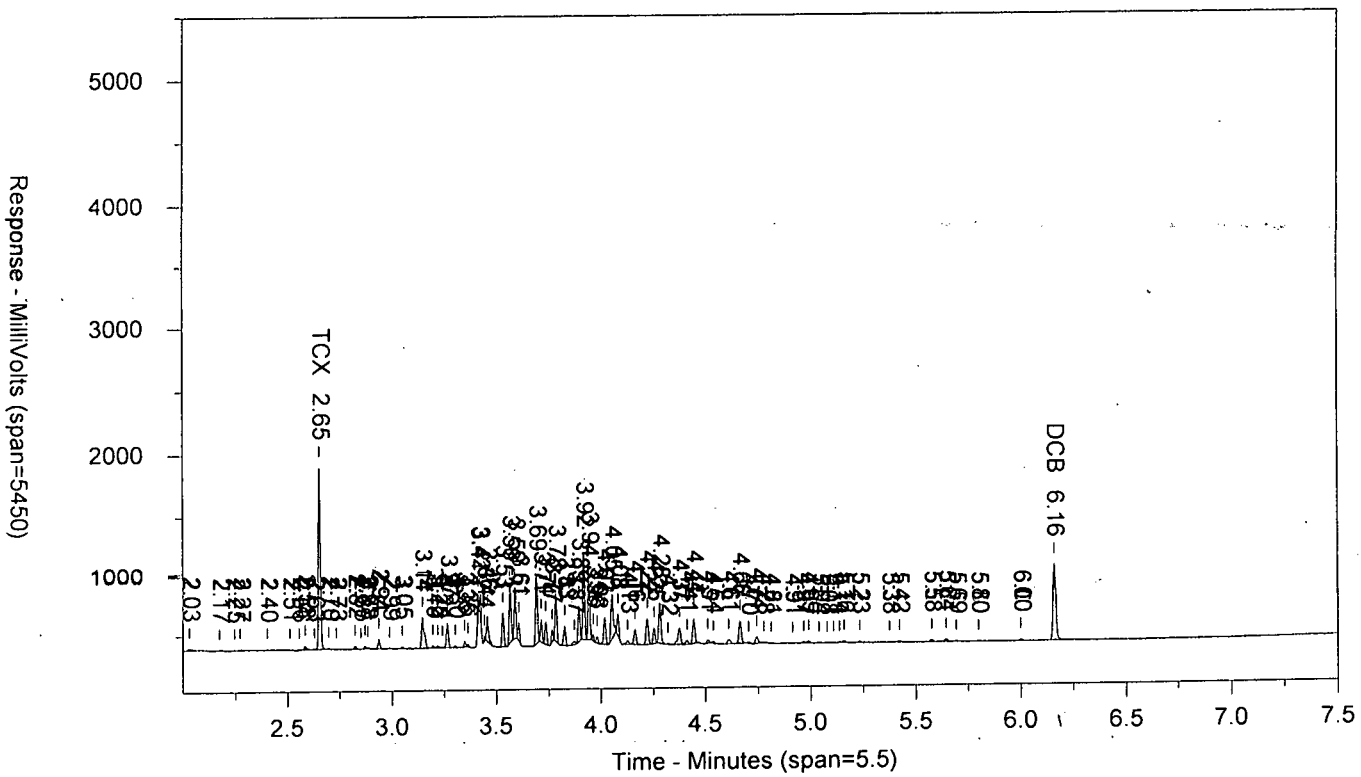

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 12:53:58 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	1455312	3.845	TCX	2.653	1511683	3.89	TCX
6.678	599864	4.444	DCB	6.159	654700	4.11	DCB

Files:
Area File: 07pcbs17250001.0014.RAW
Area File: 07pcbs17250001B.0014.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 1:02:43 AM
File Reported On: 9/8/2017 at 1:02:58 AM

AR4821724C AAAR482AA ICAL 1724999999 10736 SW-846 8082

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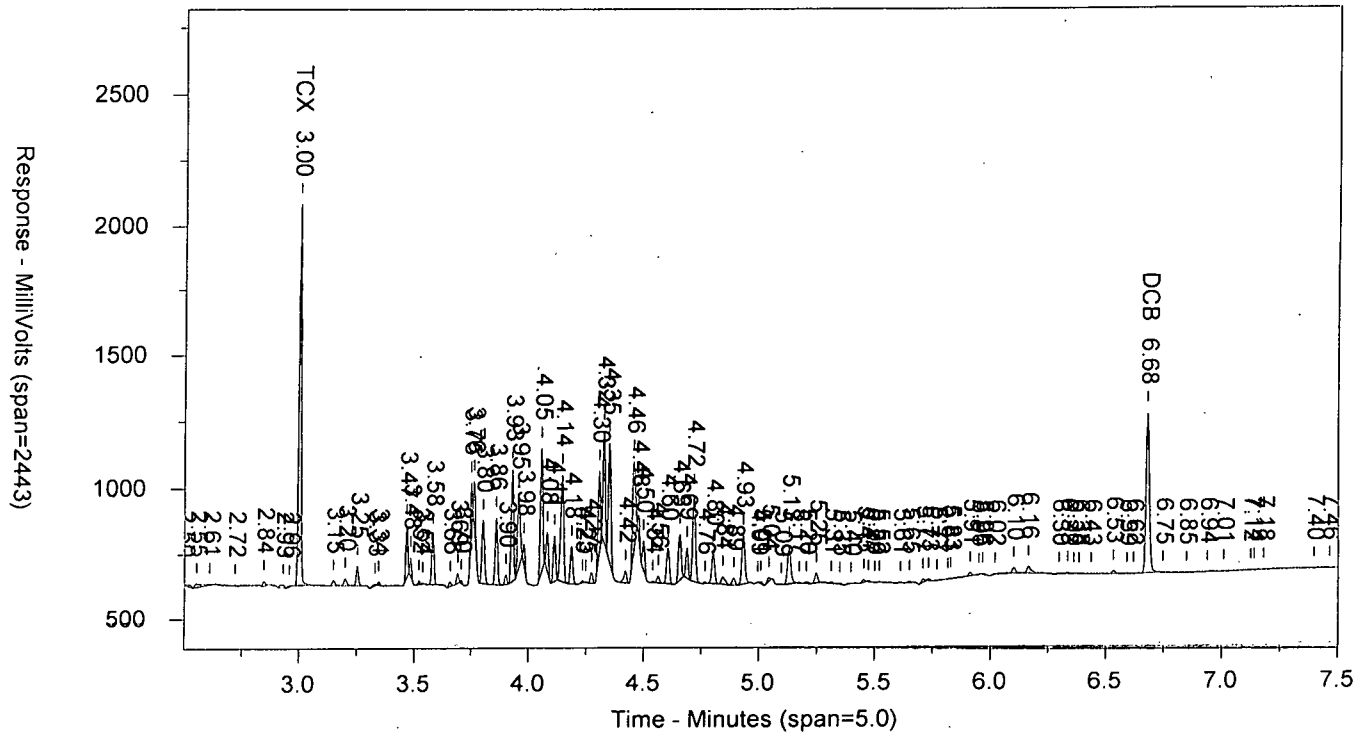

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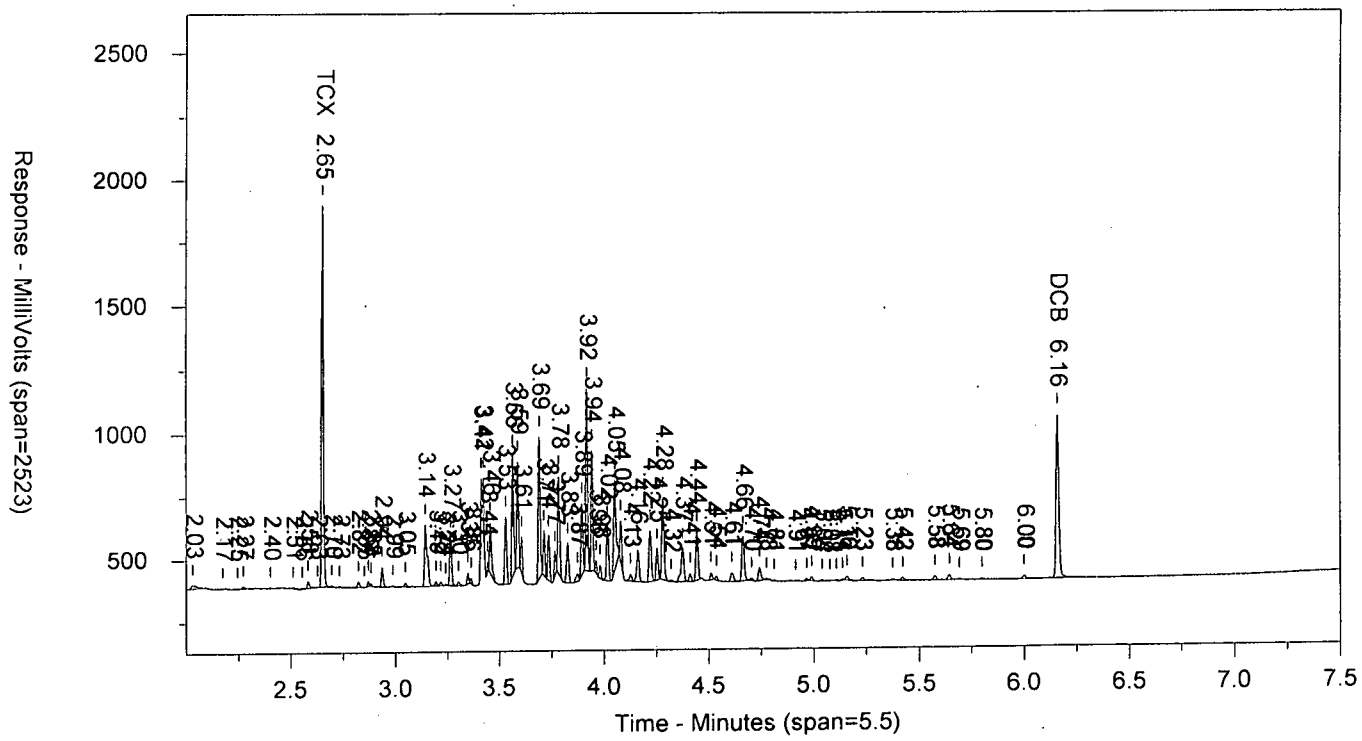

AR4821724C AAAR482AA ICAL 1724999999 10736 SW-846 8082

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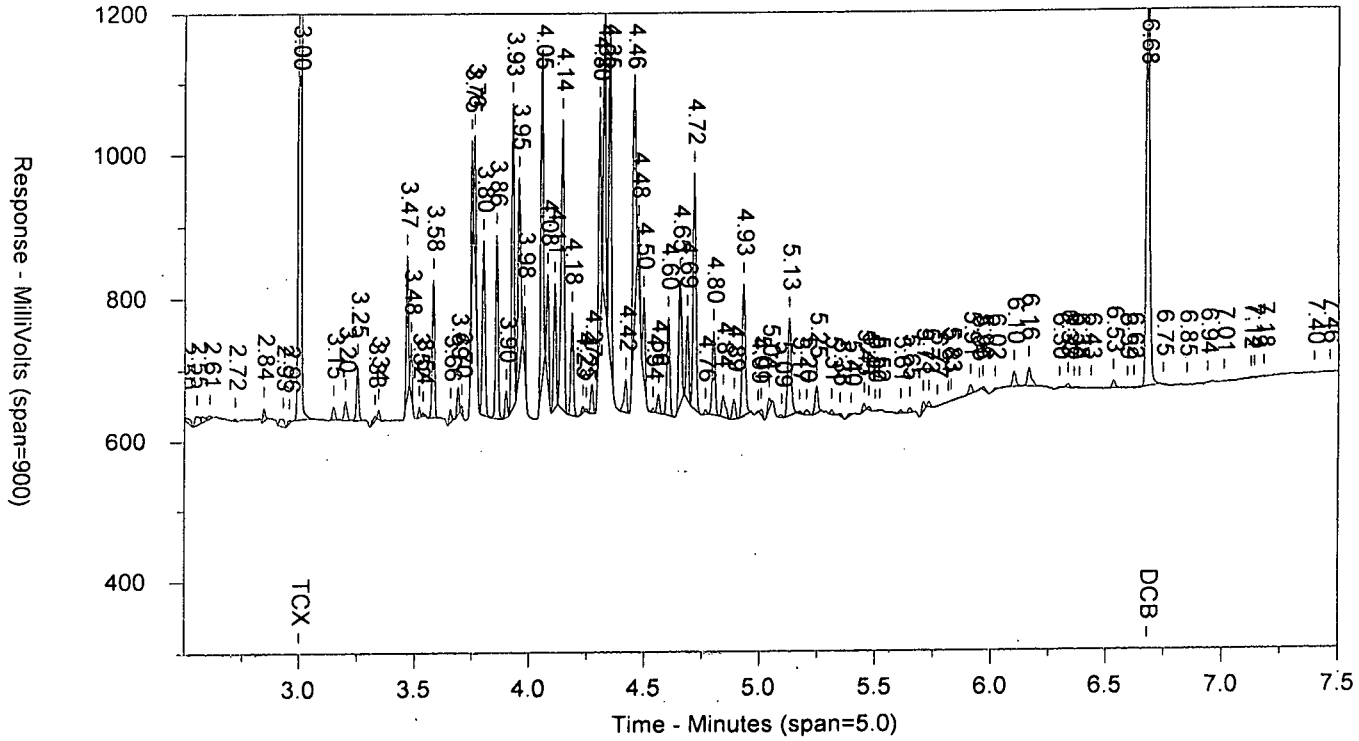

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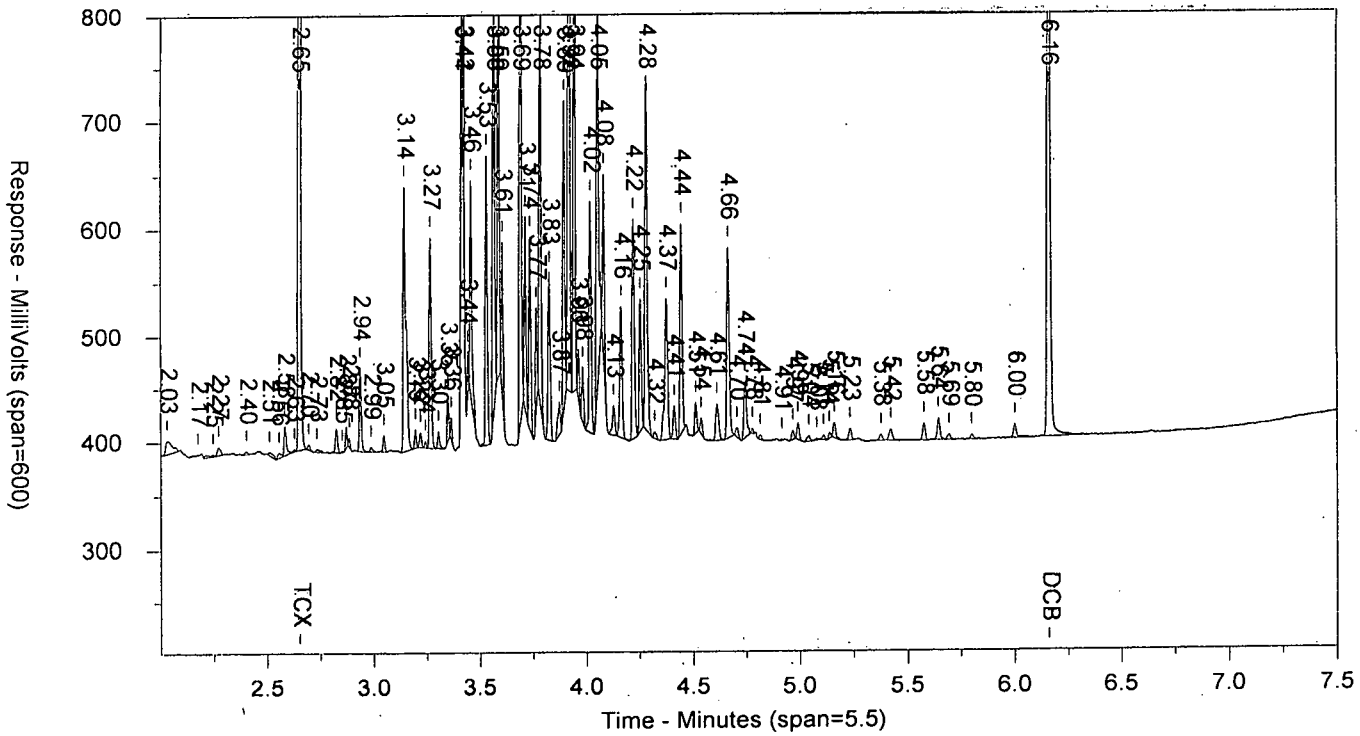


LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:05:25 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0015.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.633		11666	10981
1.749		2880	1309
1.965		3696	3111
2.112		30032	41342
2.151		12367	16817
2.216		2935	1919
2.295		37205	30336
2.39		44407	31243
2.434		6133	6708
2.551		16665	16483
2.573		12684	15439
2.609		4087	5419
2.719		5648	4258
2.758		3371	1820
2.844		30661	26063
2.928		21406	33363
2.956		4577	3725
2.999	TCX	7336827	4717134
3.148		37063	31944
3.178		2582	952
3.197		116722	84588
3.251		152236	103731
3.328		16683	11579
3.344		28875	16231
3.408		2703	2215
3.465		380108	234784
3.482		140803	71812
3.519		30831	16990
3.535		7764	3788
3.58		375721	274111
3.655		37131	25948
3.689		83485	48432
3.704		25317	11586
3.748		351372	190773
3.76		332172	162506
3.799		474314	386221
3.858		501384	378637
3.9		79546	53604
3.927		833772	604134
3.955		526707	430525
3.977		158566	86437
4.054		950298	675442
4.078		285360	191220
4.11		343910	252136
4.144		805095	745623
4.184		280545	226157
4.232		26021	18608
4.25		5038	1935
4.271		92881	68430
4.305		611994	430630
4.324		858438	542216
4.349		902208	705853
4.419		96042	87876

RT A	Compound A	Height A	Area A
4.455		697919	593590
4.475		170863	86667
4.497		232641	155259
4.538		13989	8352
4.561		60068	45346
4.603		279833	247781
4.653		376682	316699
4.686		228898	168519
4.715		659248	570442
4.763		14790	10244
4.799		233592	218642
4.84		61945	72288
4.888		61341	55898
4.929		378872	366353
4.964		10114	6739
5.008		28306	35635
5.041		32045	22973
5.056		21701	12494
5.091		4899	3499
5.128		283962	293487
5.175		7289	5122
5.205		28625	28397
5.245		83105	73148
5.267		3153	1170
5.286		5002	2367
5.311		12632	10258
5.352		8919	6827
5.4		2103	5562
5.45		26414	22369
5.472		12562	9048
5.526		4908	3712
5.563		5605	8204
5.607		21535	21658
5.647		14700	12769
5.707		23500	18103
5.73		46025	37973
5.787		1646	1582
5.805		1513	866
5.842		1591	1213
5.91		29540	27899
5.963		13924	23572
6.02		2909	4401
6.099		101905	99004
6.162		120856	147723
6.287		1898	691
6.331		11195	9727
6.376		1206	469
6.405		1393	718
6.467		1492	610
6.498		1637	967
6.532		51231	50677
6.598		1829	547
6.618		1154	381
6.633		1081	354
6.678	DCB	2490478	2669944
6.804		1753	320
6.895		1463	685
7.001		1906	1046
7.043		1529	425
7.071		1516	811
7.093		1542	385
7.194		1570	430
7.238		1767	846
7.398		1468	292
7.431		1797	1406
7.486		1555	345

RT A	Compound A	Height A	Area A
7.545		1787	1059
7.631		1958	404
7.639		2728	937
7.716		1128	408
7.733		1746	658
7.762		1484	677
7.825		1455	414
7.847		1701	405
7.862		1337	586
7.883		1412	270
7.929		1352	788
7.95		1708	499
7.962		1369	371
8.104		1804	525
8.194		1923	1241
8.28		1399	368
8.336		2235	1140
8.425		1527	496
8.538		1258	1205
8.591		1483	1210
8.611		1889	322
8.659		1300	454

LANCASTER LABORATORIES

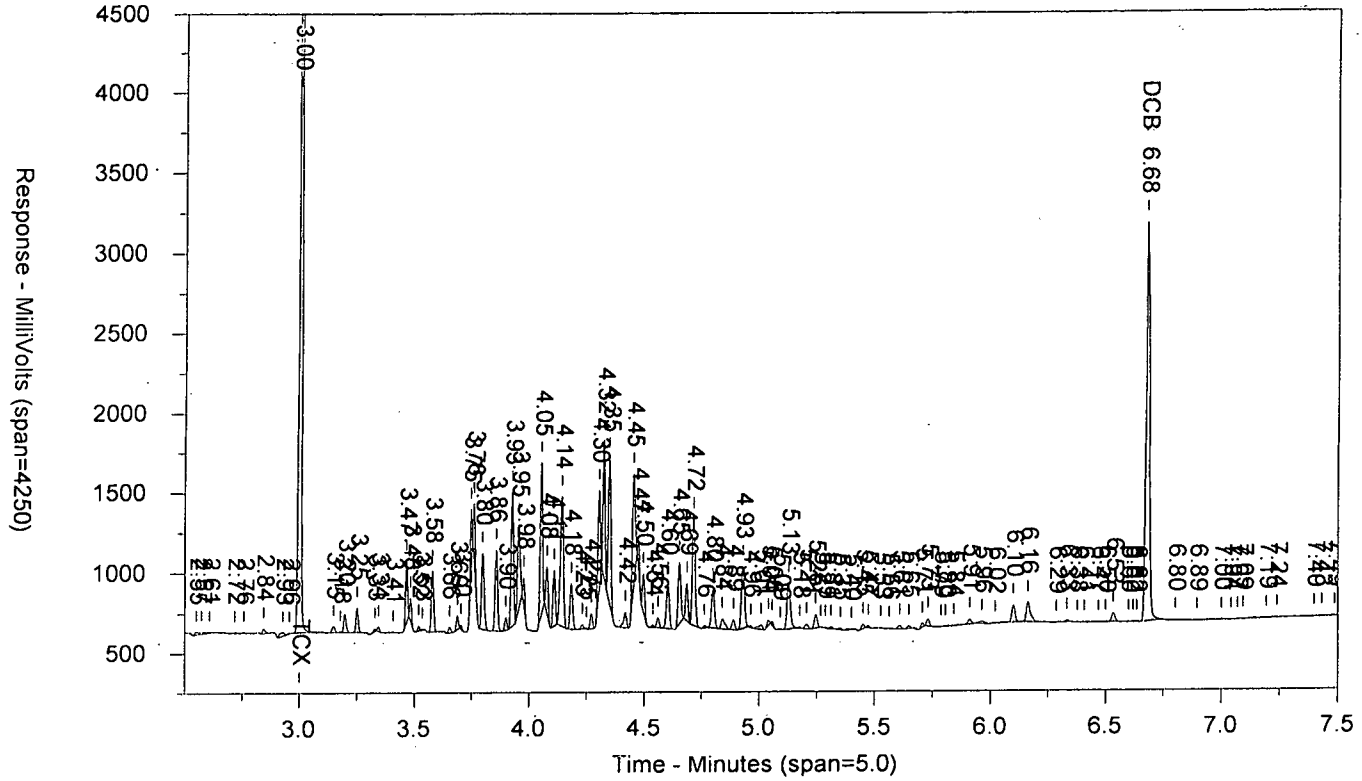
Sample Number: AR4831724C AAAR483AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:05:25 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0015.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.552		5446	4962
1.588		5467	7159
1.655		5411	4779
1.761		7512	6701
1.834		19775	18954
1.865		6401	5561
1.96		54106	60915
2.034		13423	23680
2.071		8099	6114
2.092		13774	9085
2.172		5749	3485
2.211		2022	1128
2.271		13493	12876
2.338		2958	2616
2.367		6726	4554
2.402		5368	3087
2.461		8184	8493
2.512		8736	19618
2.555		16813	17882
2.584		41136	31217
2.627		2543	1606
2.653	TCX	7800922	4686072
2.696		9572	5139
2.736		6505	7066
2.824		51675	40815
2.851		2049	877
2.87		105291	53585
2.885		14466	5512
2.911		4260	3077
2.937		157269	98844
2.987		21846	16524
3.048		36148	21674
3.078		5139	4675
3.144		488195	448828
3.195		38100	21249
3.217		21481	12839
3.242		14013	8321
3.265		406833	268639
3.303		33139	21633
3.348		90733	49080
3.363		34384	15189
3.391		3656	1477
3.413		378835	181619
3.423		403708	153487
3.443		84312	33244
3.457		409498	262528
3.53		574532	354488
3.565		957950	587175
3.588		875712	481653
3.606		290390	147464
3.691		1154113	740070
3.714		382719	204616
3.735		378158	230879
3.766		183699	95033

3.783		770118	486101
3.825		325541	229077
3.873		62324	54156
3.895		584779	363289
3.918		1466791	951701
3.942		975422	625227
3.961		88108	43211
3.981		100044	56895
4.017		446271	315797
4.052		736835	584350
4.08		374115	209347
4.127		61016	43123
4.163		255970	195938
4.22		437613	328741
4.253		253758	179574
4.28		690251	491343
4.319		13664	12778
4.375		274286	258913
4.41		63613	48932
4.443		412896	305429
4.467		10249	5401
4.485		7525	4523
4.511		56839	37689
4.536		32010	22607
4.611		74044	70829
4.663		389031	305630
4.703		15804	16528
4.743		110091	93606
4.776		9618	4282
4.814		9132	6882
4.889		3203	3378
4.913		2864	1702
4.965		18257	13621
4.99		33839	25893
5.039		11429	11903
5.074		3354	2563
5.11		19734	15415
5.137		12040	7745
5.159		31970	24262
5.233		57860	47478
5.374		14386	11780
5.421		23282	25341
5.575		81249	69715
5.643		98376	83663
5.692		23485	19500
5.798		9660	8714
5.999		62560	54258
6.158	DCB	3121701	2786305
6.635		2392	5464
7.639		1449	6480
7.76		1317	2031
8.294		5982	11230

AR4831724C AAAR483AA ICAL 1724999999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0015.RAW



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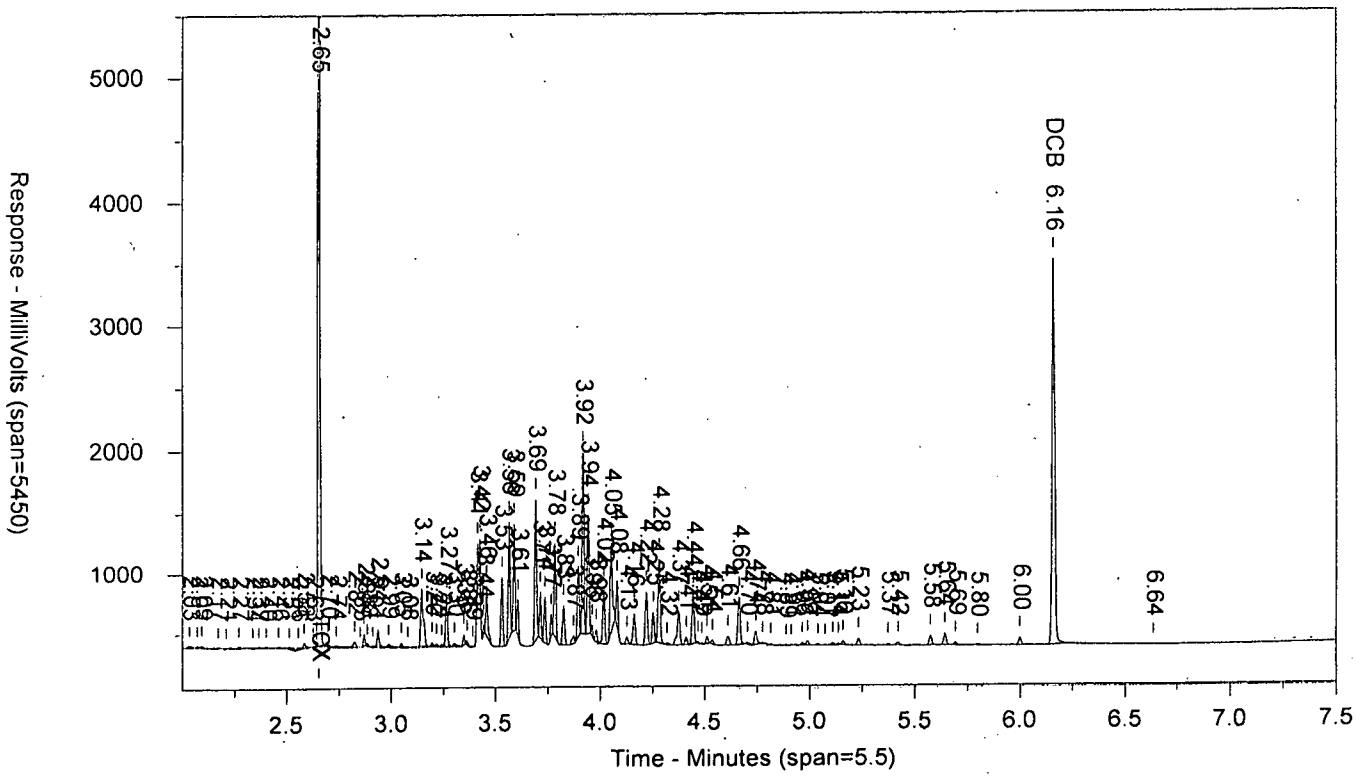

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:05:25 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	7336827	19.384	TCX	2.653	7800922	20.073	TCX
6.678	2490478	18.451	DCB	6.158	3121701	19.596	DCB

Files:
Area File: 07pcbs17250001.0015.RAW
Area File: 07pcbs17250001B.0015.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 1:14:08 AM
File Reported On: 9/8/2017 at 1:14:16 AM

AR4831724C AAAR483AA ICAL 1724999999 10736 SW-846 8082

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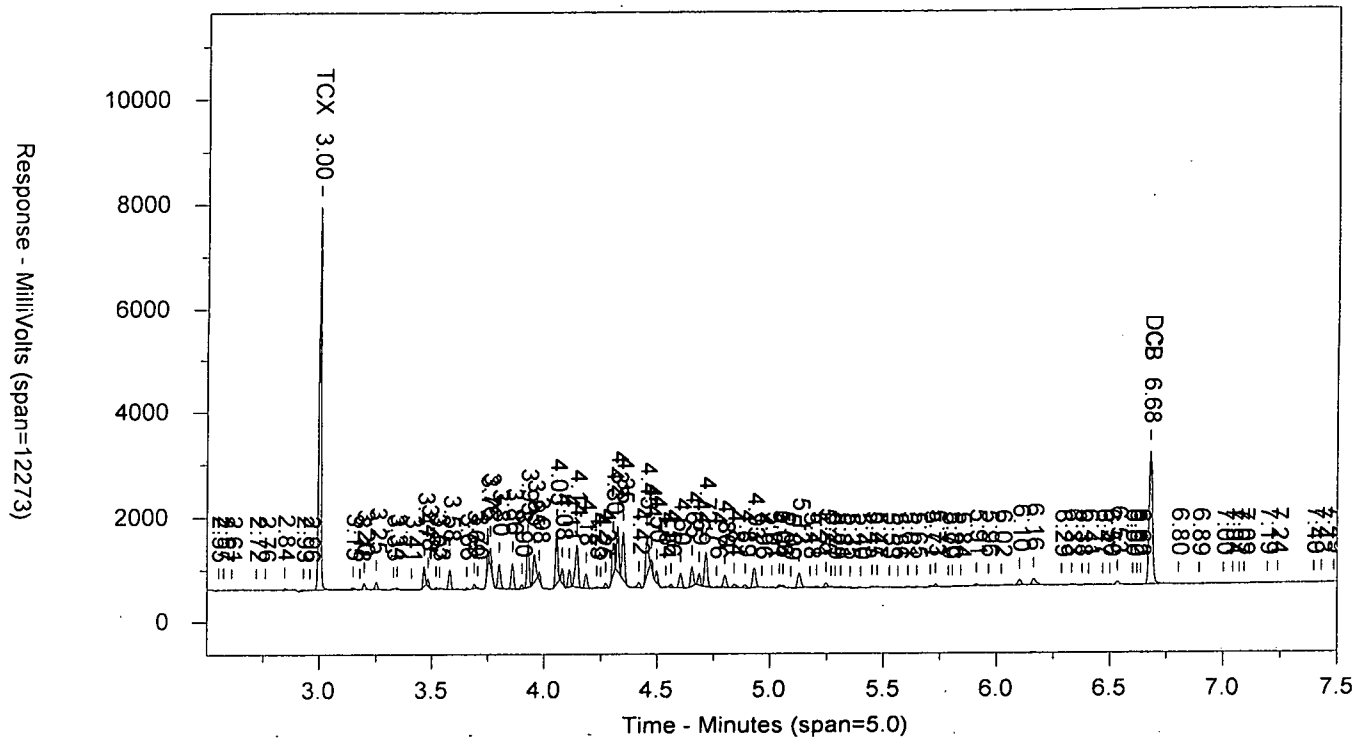

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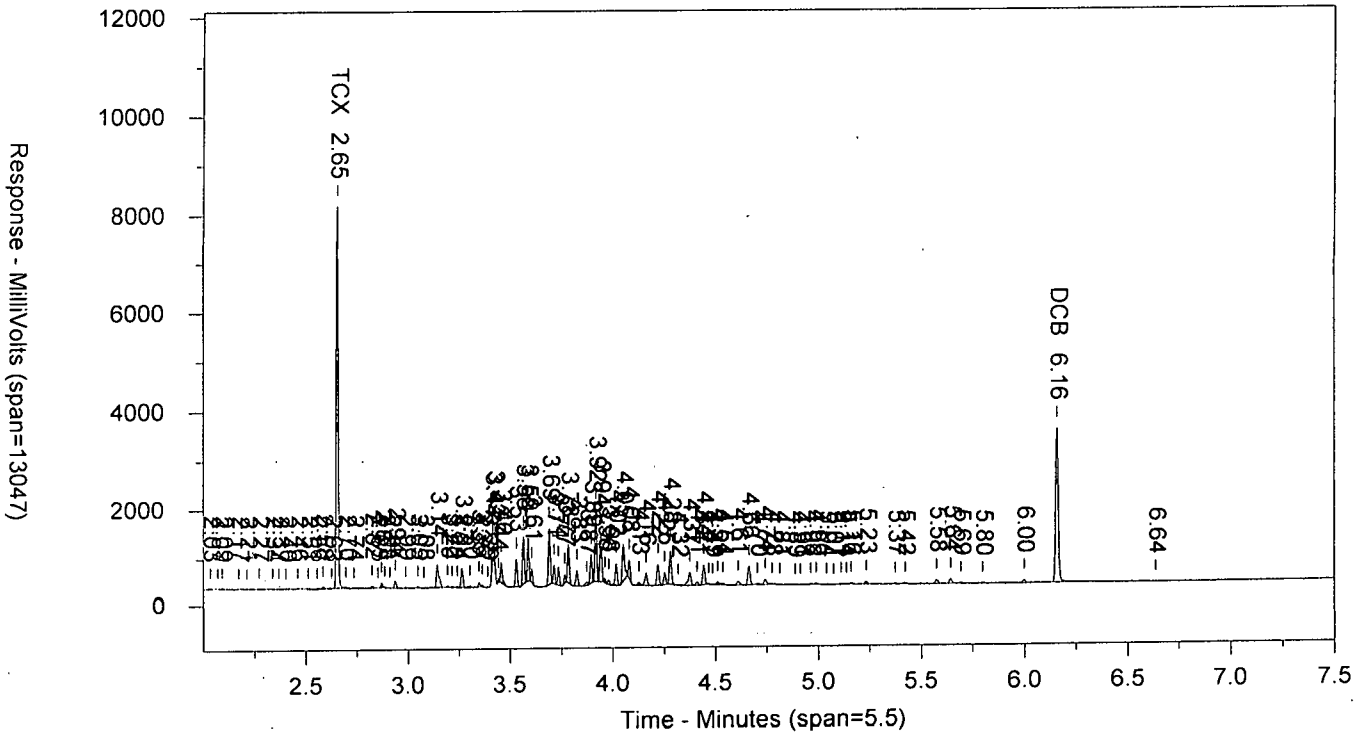

AR4831724C AAAR483AA ICAL 1724999999 10736 SW-846 8082

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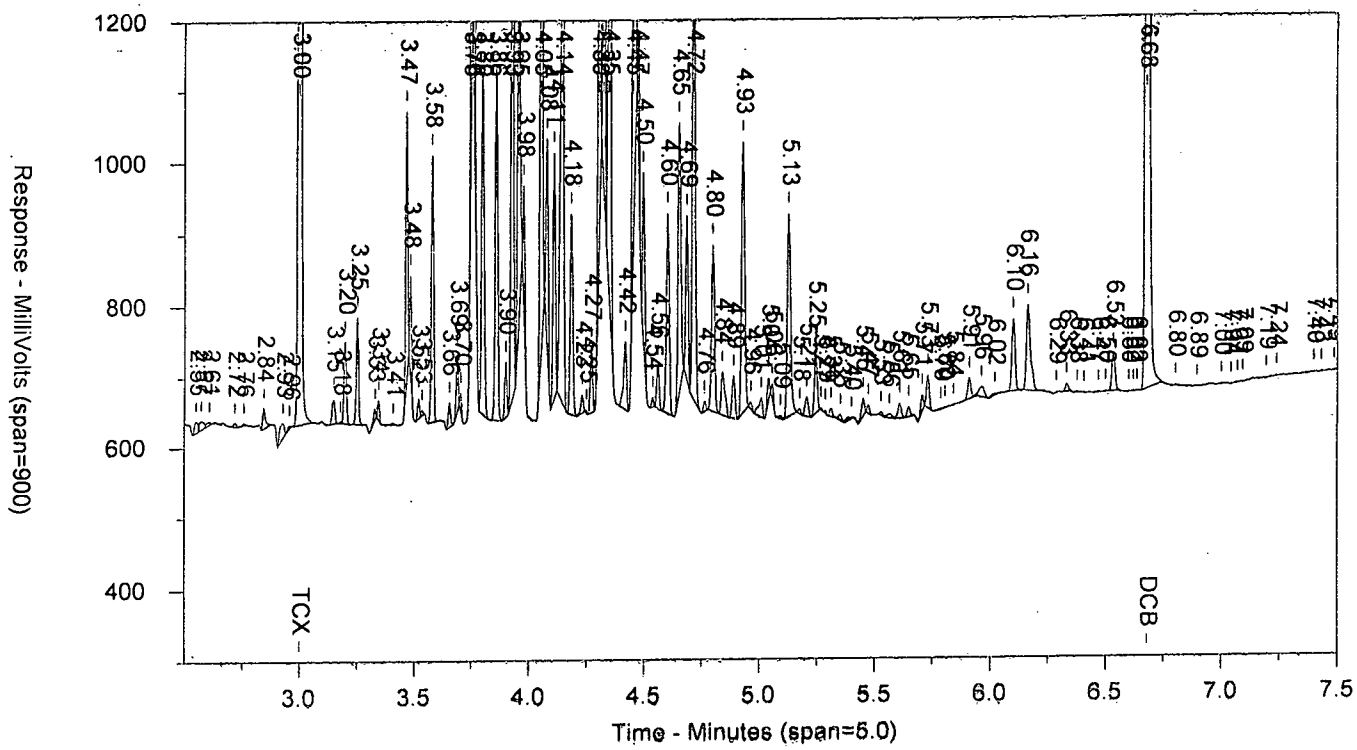

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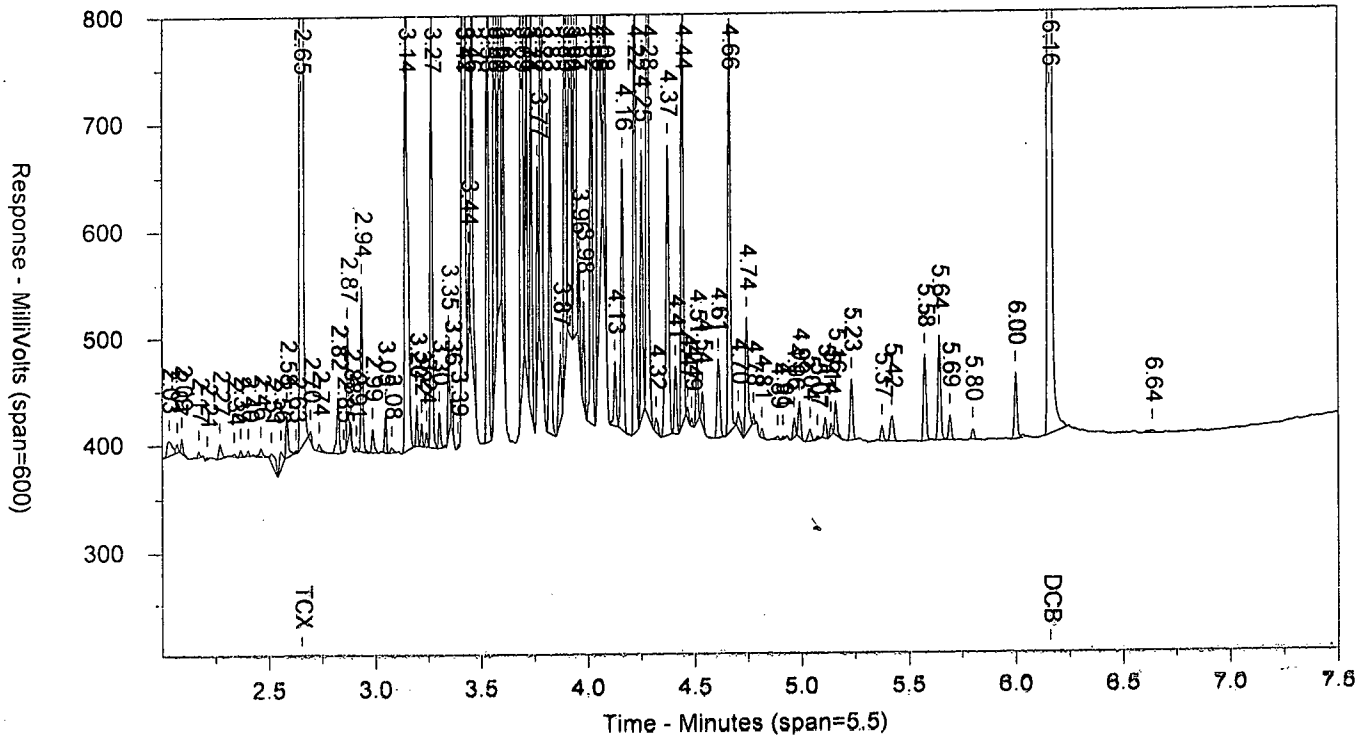


LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:16:52 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0016.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.518		1729	1225
1.633		22488	25931
1.667		10649	22828
1.791		3850	2620
2.115		20297	49920
2.153		14581	23911
2.295		71506	48652
2.39		22907	14599
2.404		27473	17691
2.433		7002	6539
2.553		11718	13304
2.608		4212	4028
2.635		4874	3685
2.759		2323	1260
2.845		11670	10005
2.928		48892	80789
2.961		8140	11979
2.999	TCX	14928500	9407195
3.149		66295	57018
3.197		214579	162258
3.251		259845	180022
3.328		35771	23743
3.343		45658	26083
3.465		689252	415081
3.482		241860	129912
3.519		55850	31785
3.534		17548	7583
3.579		670320	489380
3.633		8438	3836
3.655		61624	43809
3.688		146785	86305
3.703		47386	22954
3.748		583568	331113
3.76		657071	303463
3.798		832524	686485
3.858		906294	683672
3.899		145258	100459
3.927		1504185	1085647
3.954		976002	776718
3.976		273154	146332
4.053		1683775	1226559
4.078		524046	344597
4.109		614598	446977
4.143		1465920	1347707
4.184		513154	405359
4.231		57788	53326
4.271		161381	128262
4.304		1185000	790751
4.324		1569701	997042
4.348		1674523	1286242
4.418		174418	156795
4.454		1240456	1070778
4.475		331237	175261

RT A	Compound A	Height A	Area A
4.496		407941	271429
4.537		27205	17127
4.56		107384	77277
4.602		476841	439555
4.652		626932	550495
4.685		393823	297928
4.715		1209912	1017714
4.764		24079	15606
4.799		413149	388942
4.841		117337	133493
4.888		102712	98766
4.93		677991	645507
4.963		16657	11302
5.008		49737	64294
5.04		57209	40982
5.055		27807	18811
5.091		9723	7948
5.127		505602	520219
5.174		13000	9257
5.205		44221	47271
5.245		142791	126291
5.265		5131	2306
5.284		8397	5076
5.311		24274	19787
5.35		14075	12240
5.391		5208	7234
5.404		1374	518
5.45		47692	36580
5.471		19447	13562
5.528		13246	10504
5.567		10011	13913
5.608		33930	32606
5.648		23791	23218
5.706		42365	32927
5.73		75302	59941
5.813		5668	6042
5.853		2393	1370
5.909		53844	51776
5.965		29309	48354
6.035		1839	7731
6.1		182382	177784
6.162		212251	253318
6.221		2237	1231
6.296		1881	1102
6.306		1312	372
6.333		20892	20680
6.366		1631	726
6.381		2440	1551
6.421		1437	626
6.449		1836	674
6.496		3551	2918
6.533		108701	110509
6.679	DCB	4777959	4941367
6.945		1692	425
7.016		2096	589
7.054		1478	703
7.14		2921	4084
7.267		1614	761
7.288		1474	395
7.358		1603	511
7.432		1356	427
7.46		1829	1310
7.506		1605	685
7.625		870	587
7.684		2405	574
7.718		1743	1210

RT A	Compound A	Height A	Area A
7.736		2038	846
7.752		1786	927
7.858		1176	441
7.899		1580	1515
7.913		1422	443
8.056		1818	934
8.148		1888	355
8.174		1352	673
8.268		2369	792
8.289		1041	660
8.363		1932	429
8.408		923	285
8.441		1851	472
8.544		1583	440
8.62		1589	944
8.628		1616	946

LANCASTER LABORATORIES

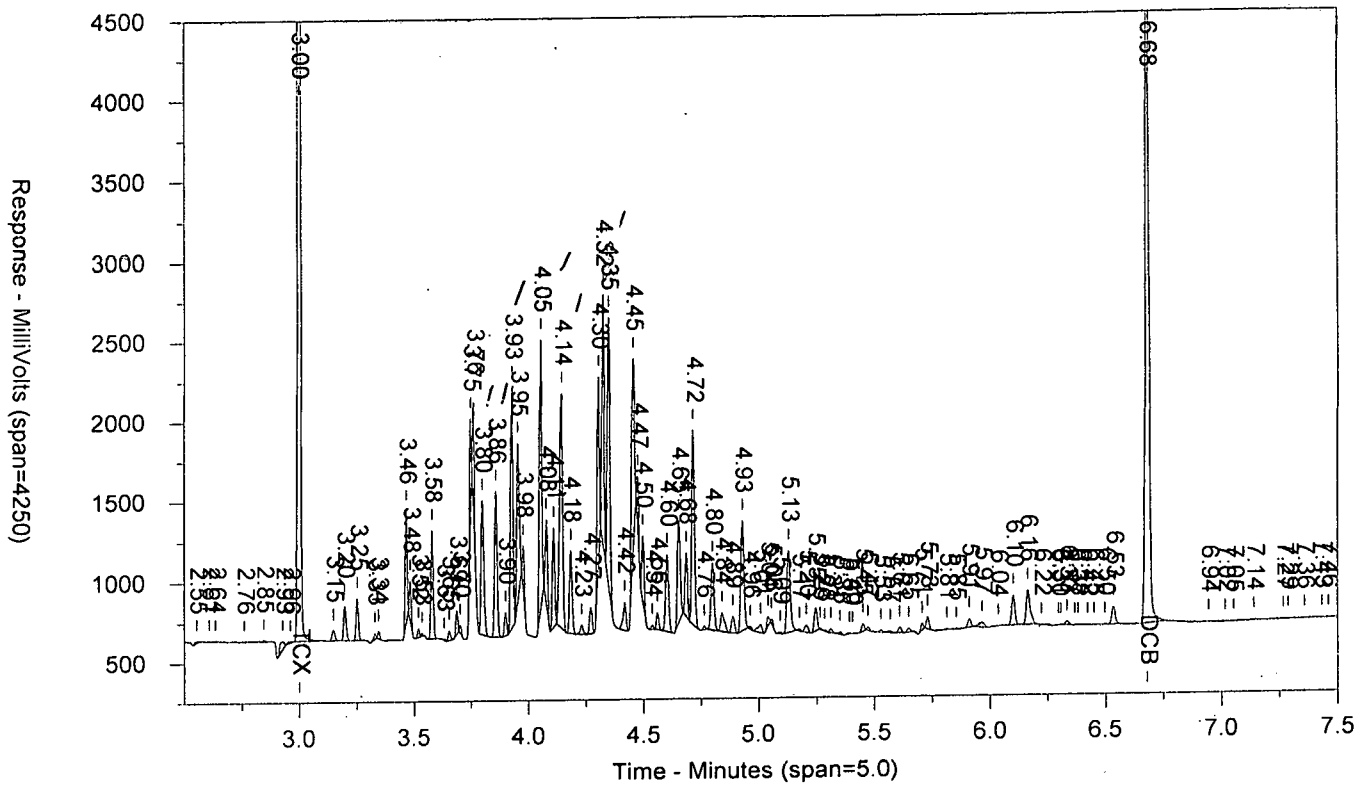
Sample Number: AR4841724C AAAR484AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:16:52 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0016.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.552		1933	1627
1.588		3694	3074
1.657		2248	1210
1.761		3707	4006
1.81		2159	2175
1.831		3947	2538
1.85		2329	1423
1.966		77338	69855
2.029		13059	21822
2.07		5077	4335
2.092		27110	18688
2.17		3220	5750
2.209		3760	4546
2.271		9084	10842
2.338		4115	2766
2.369		2323	1738
2.461		4306	5722
2.509		14519	44884
2.584		38231	107492
2.627		2691	1443
2.653	TCX	15469950	9306062
2.696		15951	8562
2.824		79922	59854
2.851		3229	1369
2.871		187930	99138
2.884		21121	7980
2.937		281034	174947
2.987		40681	25290
3.048		65079	39292
3.144		872455	790976
3.195		71240	40738
3.217		38517	23254
3.242		22763	12086
3.265		714327	478709
3.302		56643	34109
3.33		11485	4968
3.348		163572	87125
3.363		63044	28639
3.413		675467	303586
3.422		736329	299651
3.443		143625	57539
3.457		745458	470926
3.53		1021441	649925
3.565		1742697	1059840
3.588		1574319	873251
3.606		515991	265269
3.691		2153936	1353547
3.714		653800	361265
3.735		878130	418442
3.766		323742	172840
3.784		1450078	895330
3.825		588811	411324
3.873		119530	100057
3.895		1060707	647051

3.917		2851387	1767933
3.942		1904476	1167764
3.961		161209	78741
3.981		158155	91790
4.017		799368	567297
4.052		1373874	1071070
4.08		707315	388472
4.111		2530	1066
4.127		108096	72093
4.162		456075	349654
4.22		796333	604777
4.253		466142	326158
4.28		1225742	899136
4.319		26206	24679
4.374		499193	467800
4.41		120041	88475
4.443		736746	548291
4.466		22350	10988
4.486		10329	5659
4.51		106185	68137
4.536		59318	41676
4.61		134916	131121
4.663		710847	567334
4.713		41784	51659
4.743		193934	167794
4.775		16386	7589
4.814		16584	11520
4.888		2751	1479
4.914		4395	2170
4.932		6305	4266
4.965		33561	23898
4.989		61407	46924
5.039		19504	20869
5.075		5803	3883
5.11		32565	25684
5.137		22829	14740
5.159		53974	45408
5.232		90331	79607
5.352		2582	1611
5.375		25332	22229
5.421		46430	46361
5.575		151030	131449
5.644		174759	152164
5.692		36786	32267
5.799		21118	18108
5.83		2565	2461
5.999		117194	101974
6.158	DCB	5992879	5285374
6.605		3741	3359
6.631		3024	3108
6.86		2969	4765
7.102		6768	8786
7.4		1464	3585
7.579		887	2143
7.761		1534	2868
7.877		1515	2321
7.926		1551	2325
8.297		6495	11204

AR4841724C AAAR484AA ICAL 1724999999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0016.RAW



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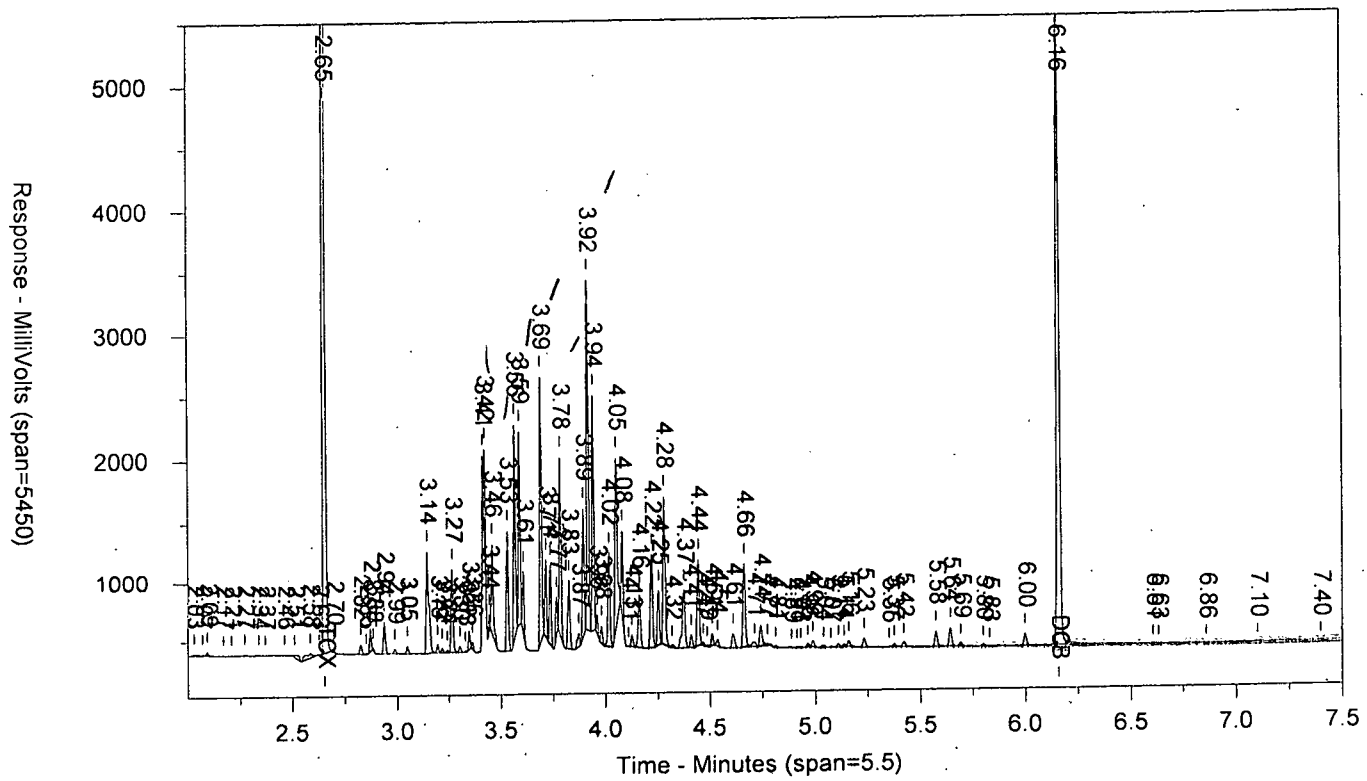


LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:16:52 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

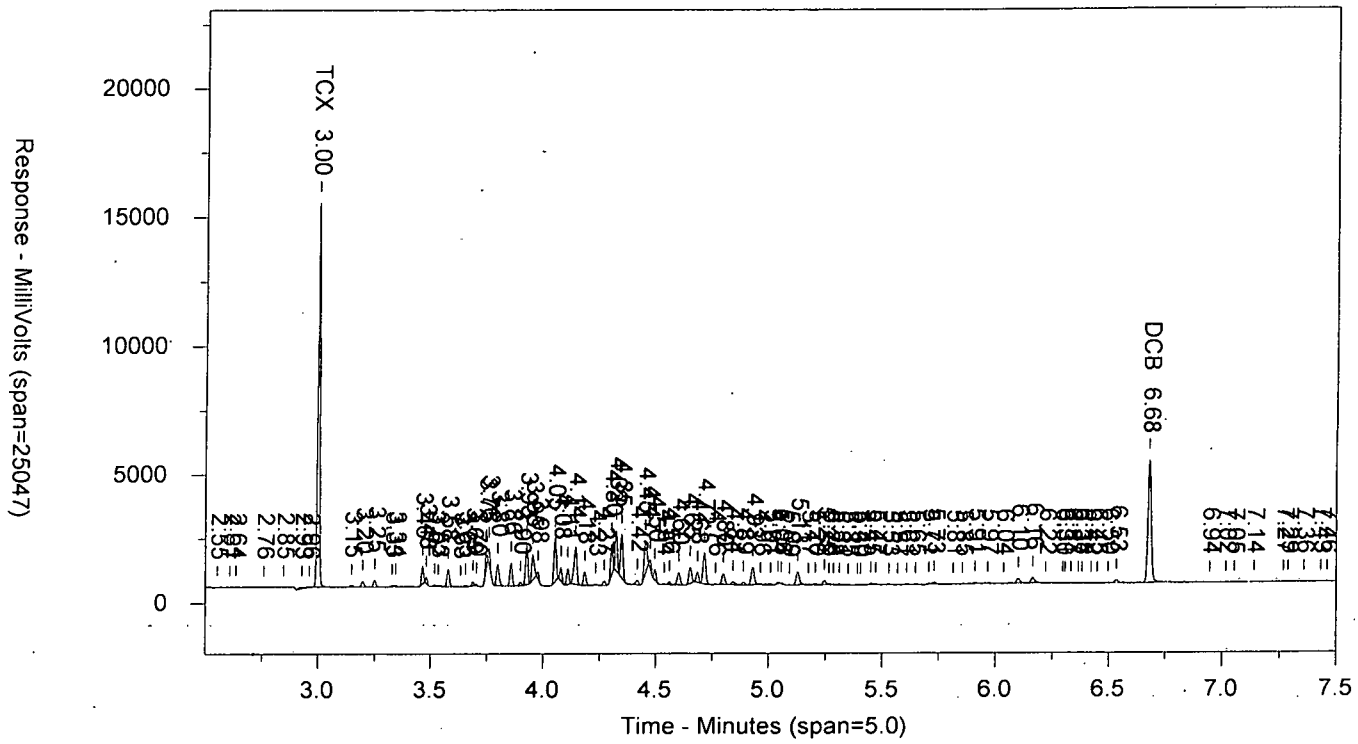
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	14928500	39.441	TCX	2.653	15469950	39.807	TCX
6.679	4777959	35.398	DCB	6.158	5992879	37.619	DCB

Files:
Area File: 07pcbs17250001.0016.RAW
Area File: 07pcbs17250001B.0016.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 1:25:37 AM
File Reported On: 9/8/2017 at 1:25:44 AM

AR4841724C AAAR484AA ICAL 1724999999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0016.RAW



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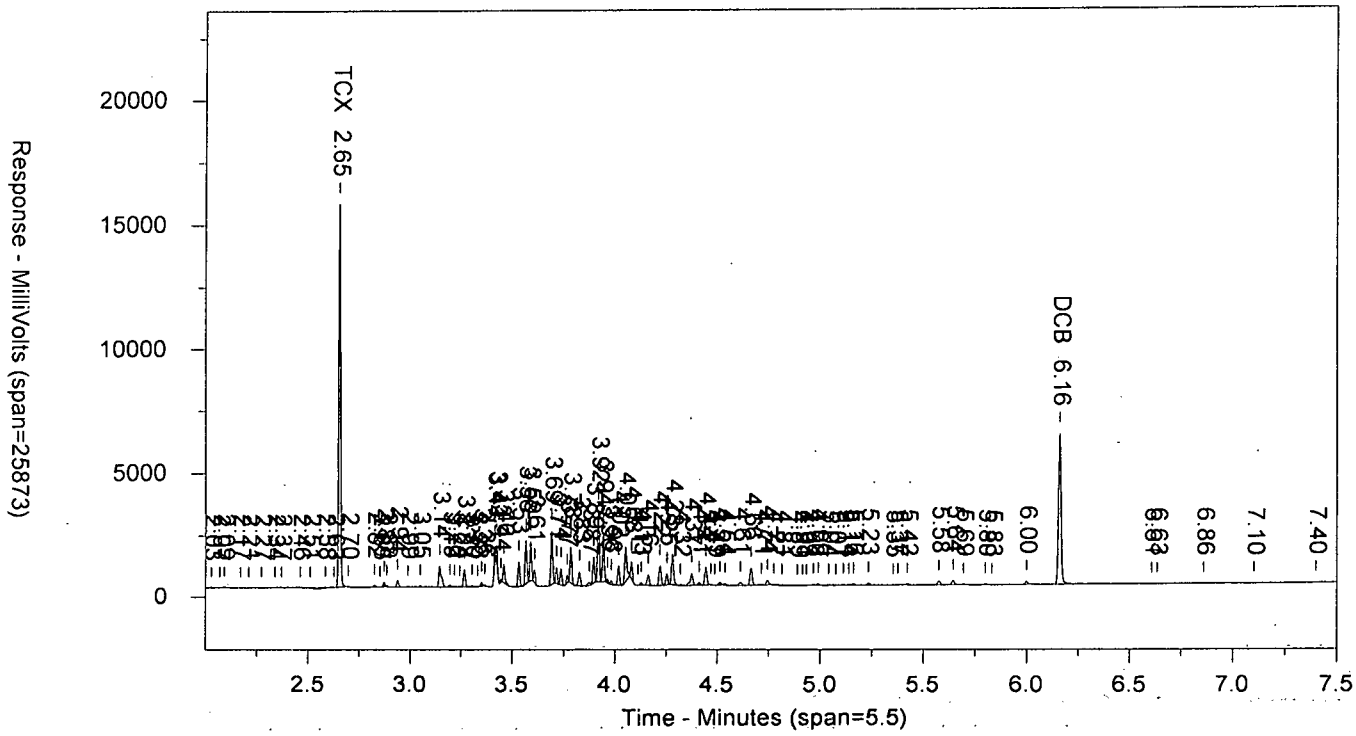

AR4841724C AAAR484AA ICAL 1724999999 10736 SW-846 8082

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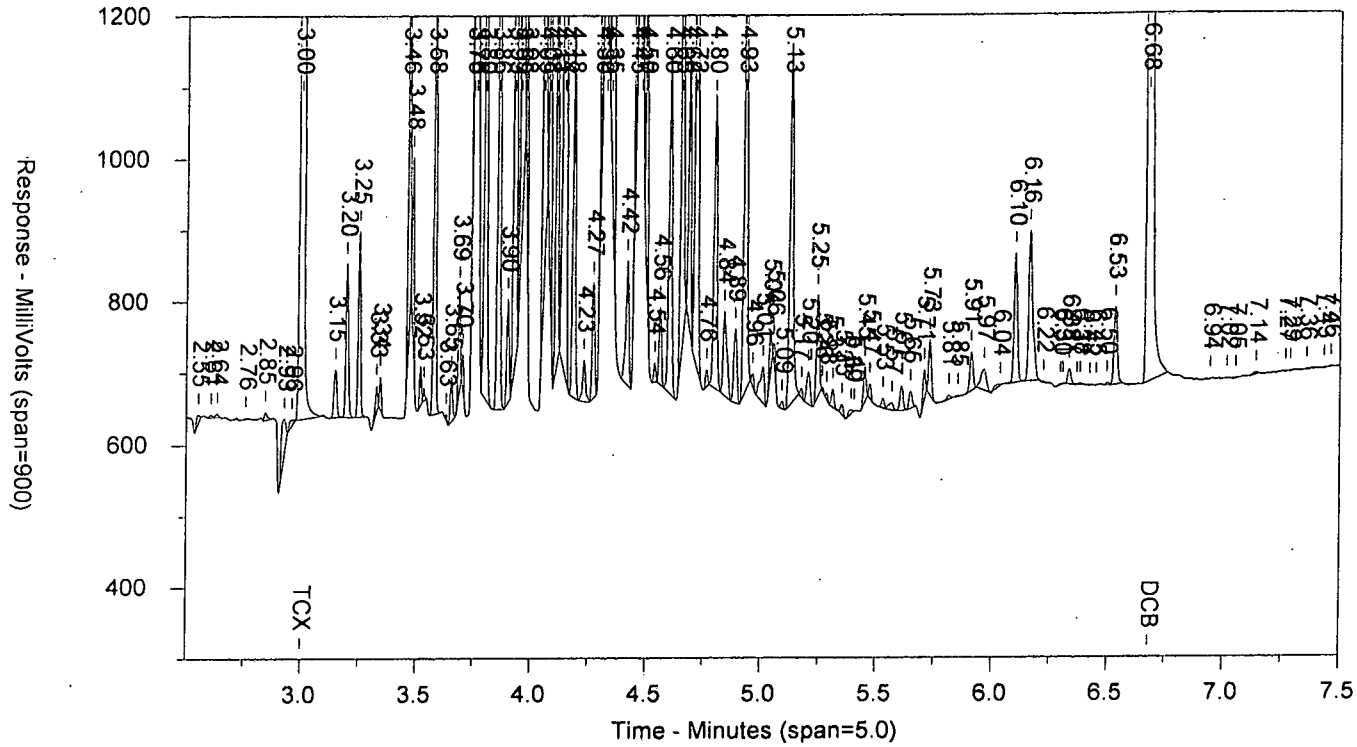

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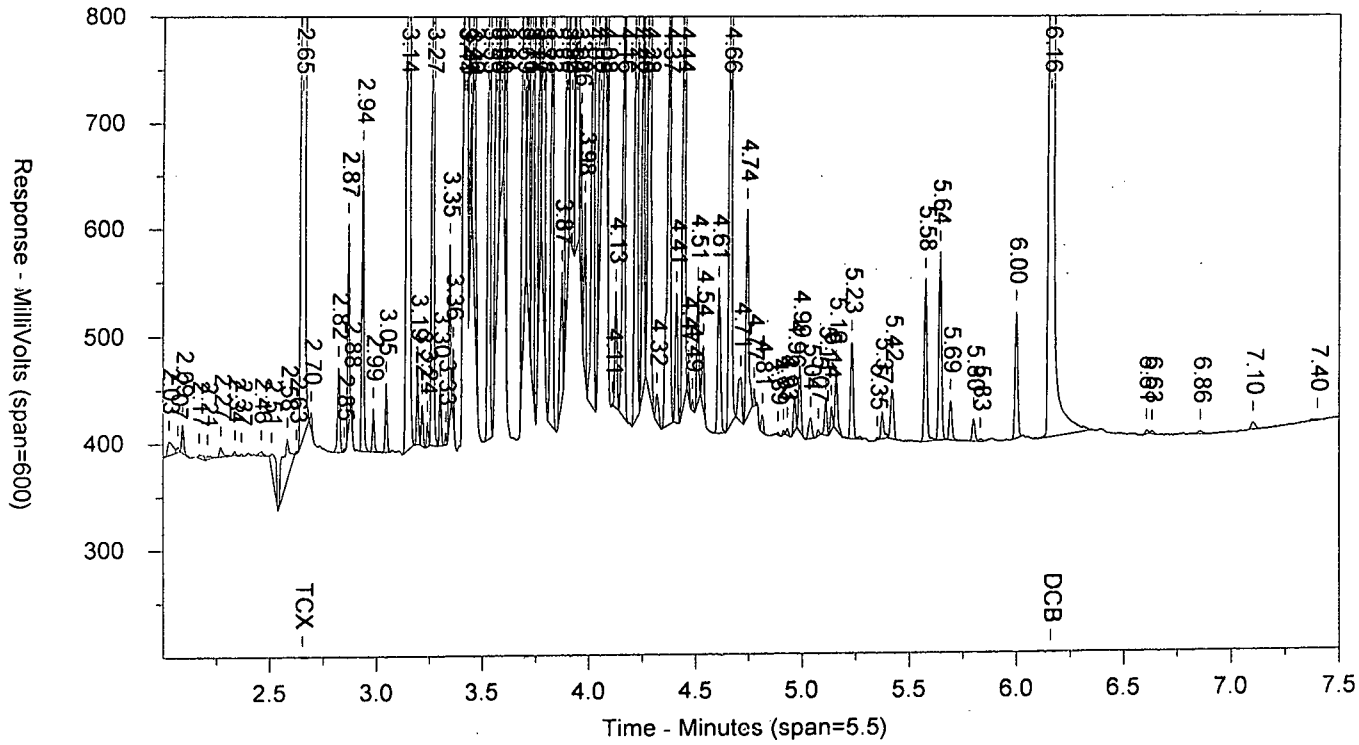

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:28:22 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.633		18133	19845
1.669		6777	14727
1.79		4520	3953
1.878		1656	985
2.037		3679	6479
2.113		23743	49066
2.149		35865	85441
2.22		3661	2560
2.295		108834	75010
2.391		32925	20501
2.404		42879	28344
2.434		7056	8228
2.497		2804	2249
2.55		14155	14003
2.636		9382	6966
2.775		3435	2331
2.845		49214	39670
2.919		9065	8073
2.957		5854	5235
2.999	TCX	22900820	14436220
3.148		156727	141861
3.197		329422	265199
3.251		585033	405879
3.328		45257	23458
3.344		117701	68342
3.383		2787	1714
3.465		1561419	944214
3.482		555698	289919
3.519		133576	76351
3.536		40730	18312
3.58		1540675	1111787
3.616		4588	1781
3.632		16147	8517
3.654		140051	95921
3.688		324240	193189
3.704		112116	53002
3.748		1475029	806705
3.76		1444090	646327
3.799		2016771	1591990
3.858		2120118	1592883
3.9		316633	226224
3.927		3593707	2562787
3.955		2286000	1794015
3.977		702249	363541
4.054		4155262	2967120
4.078		1240269	816137
4.11		1464301	1042822
4.144		3558466	3245722
4.184		1150654	934066
4.232		139755	125136
4.272		372004	300639
4.305		2890664	1962819
4.325		3990821	2528624

RT A	Compound A	Height A	Area A
4.348		4406884	3234556
4.42		390159	364145
4.455		3157361	2608606
4.475		886120	497161
4.497		970373	643078
4.538		63189	40733
4.56		237382	175900
4.603		1110722	1017706
4.653		1502628	1340849
4.685		946031	692014
4.716		2963614	2450038
4.765		54360	37507
4.8		1008786	902972
4.842		271736	300659
4.889		258053	233107
4.929		1618723	1541102
4.962		24351	17837
5.01		127559	167144
5.042		102745	79480
5.056		60332	40917
5.094		23920	18242
5.129		1256238	1249316
5.174		31346	21959
5.205		83536	91837
5.246		324967	290154
5.268		15100	7478
5.286		23398	12856
5.312		60412	47566
5.354		30431	25084
5.389		7143	7549
5.452		100027	84408
5.473		47577	33488
5.529		30255	24458
5.566		19210	26221
5.609		59896	57534
5.649		62376	57073
5.671		8255	5905
5.707		101979	79822
5.731		116843	94361
5.814		2013	2003
5.824		1904	356
5.91		114730	113130
5.967		57566	90209
6.027		1415	3559
6.1		277092	274597
6.163		318820	404221
6.334		48464	48794
6.379		4727	3613
6.458		1222	285
6.501		1635	1465
6.533		171284	167713
6.599		1830	583
6.679	DCB	7490788	7632484
6.783		2632	1552
6.847		1740	546
6.997		1827	1635
7.046		1457	482
7.1		1429	291
7.144		3622	5447
7.243		1714	1342
7.25		2003	813
7.271		1631	306
7.354		1068	781
7.372		1197	419
7.504		1346	572
7.532		1527	346

RT A	Compound A	Height A	Area A
7.558		1323	441
7.587		1479	693
7.669		1895	475
7.746		2080	940
7.84		1286	390
7.867		1732	691
7.9		1261	792
7.955		1517	448
7.981		1732	608
8.006		1265	395
8.063		1258	642
8.157		1808	1093
8.252		1389	984
8.505		1989	457
8.575		1568	443
8.587		1669	693
8.639		1662	538

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:28:22 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.587		5106	3921
1.65		2024	2023
1.833		5740	8553
1.966		108014	96572
2.034		18425	37183
2.092		41103	28145
2.221		3280	5457
2.272		7092	7902
2.337		10952	8970
2.4		2819	2570
2.457		2835	4074
2.558		9097	11908
2.584		69750	49564
2.625		3301	1651
2.653	TCX	23021770	13935380
2.695		41587	25145
2.825		188809	134540
2.851		2613	842
2.871		261279	136113
2.884		61041	26299
2.937		615590	396925
2.987		59634	35549
3.048		143205	90009
3.144		1947646	1763439
3.195		161232	94528
3.217		89337	52213
3.242		57393	30963
3.265		1615112	1087756
3.303		132600	82110
3.329		9647	4145
3.348		366270	198409
3.363		133121	63627
3.391		3120	1339
3.413		1591239	757833
3.423		1894795	778710
3.443		312204	125968
3.457		1723511	1106213
3.53		2337675	1520018
3.565		4141484	2448714
3.588		3801881	2055082
3.606		1230645	624237
3.691		5140846	3199087
3.714		1514558	842379
3.736		1631794	976172
3.766		777342	415906
3.784		3666751	2175234
3.826		1356404	947566
3.874		260281	224187
3.895		2551539	1566446
3.917		6993338	4309108
3.942		4619870	2889902
3.962		360925	180994
3.981		368395	206624
4.017		1943228	1318120

4.053		3408929	2592026
4.081		1791081	1004386
4.11		8917	3219
4.128		247576	165278
4.163		1095152	805846
4.22		1954883	1439029
4.253		1151181	774834
4.281		2993548	2152563
4.32		57502	55759
4.375		1156103	1085491
4.411		282240	204965
4.444		1803486	1296302
4.467		56580	29282
4.486		14615	7611
4.511		219386	148588
4.537		134952	92293
4.612		304557	301853
4.664		1745077	1391678
4.706		87085	108930
4.743		462437	388672
4.776		36959	17950
4.791		25791	12764
4.815		37440	25639
4.887		7383	7578
4.915		10980	6714
4.931		14187	9712
4.966		76799	55698
4.99		144555	110703
5.04		43912	43682
5.076		14873	10356
5.111		57222	45795
5.138		55159	35900
5.16		128065	108029
5.234		151829	137161
5.352		3524	2280
5.376		60044	47524
5.422		107514	113360
5.576		225818	196338
5.645		276261	233386
5.693		69996	60176
5.8		45283	37679
5.953		2213	1639
6		176170	153841
6.03		2994	1788
6.159	DCB	8686512	8108268
6.607		5443	5165
7.376		1535	1687
7.691		1250	2165
8.289		6149	13382

AR4851724C AAAR485AA ICAL 1724999999 10736 SW-846 8082

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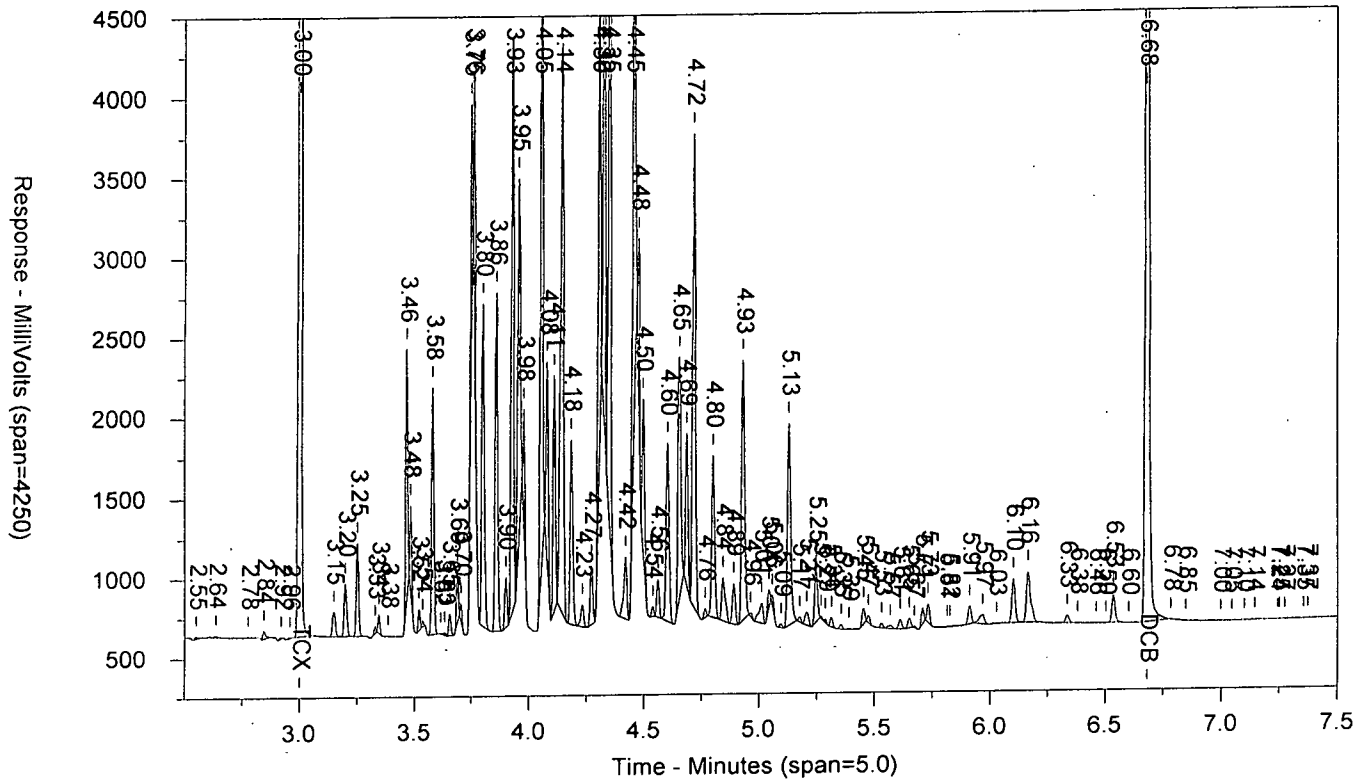

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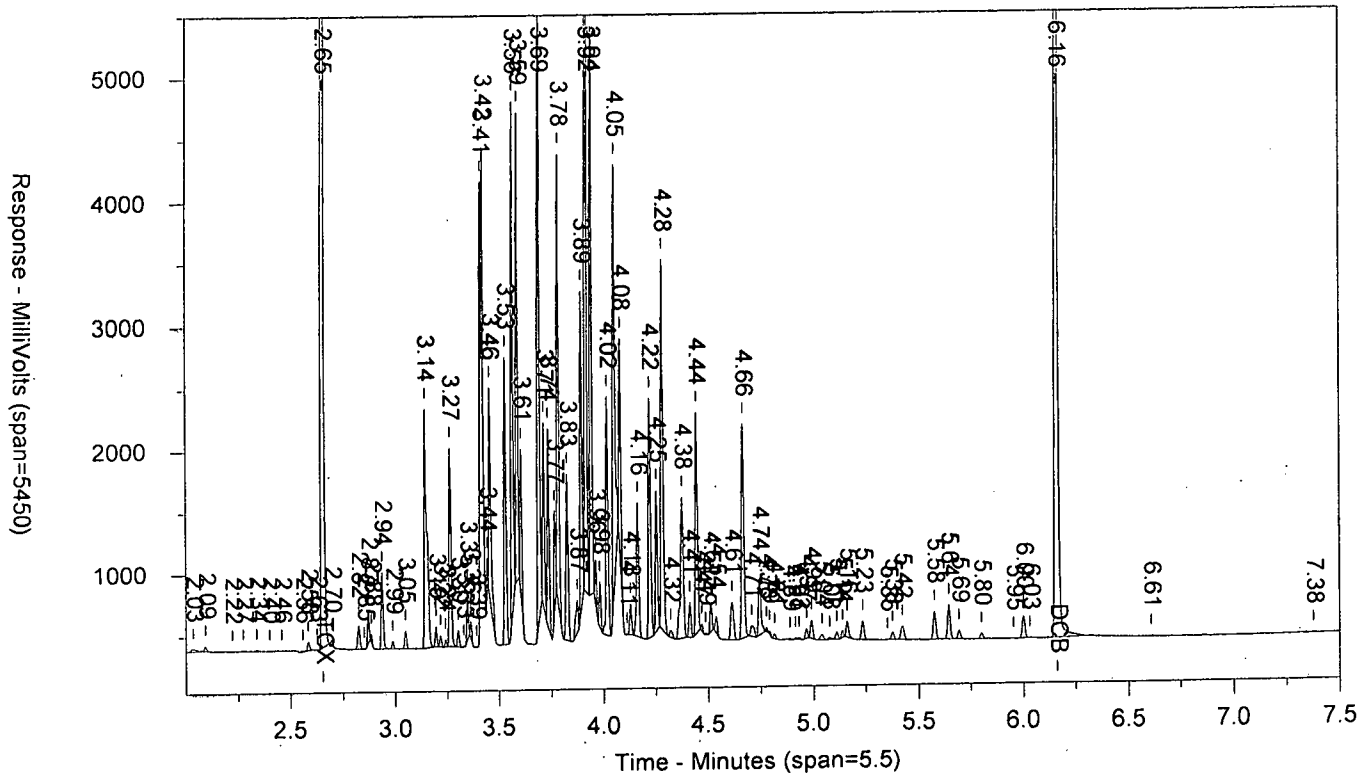

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:28:22 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	22900820	60.504	TCX	2.653	23021770	59.239	TCX
6.679	7490788	55.496	DCB	6.159	8686512	54.528	DCB

Files:
Area File: 07pcbs17250001.0017.RAW
Area File: 07pcbs17250001B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 1:37:05 AM
File Reported On: 9/8/2017 at 1:37:16 AM

AR4851724C AAAR485AA ICAL 1724999999 10736 SW-846 8082

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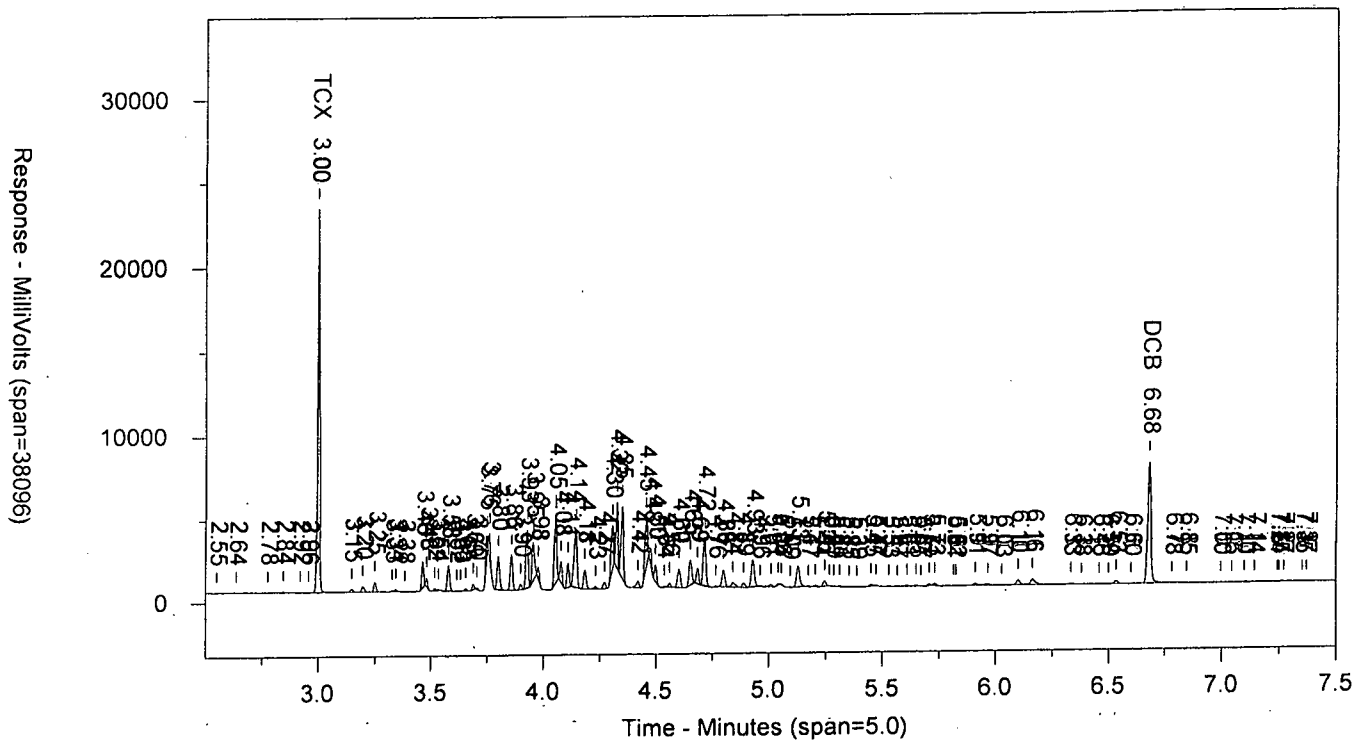

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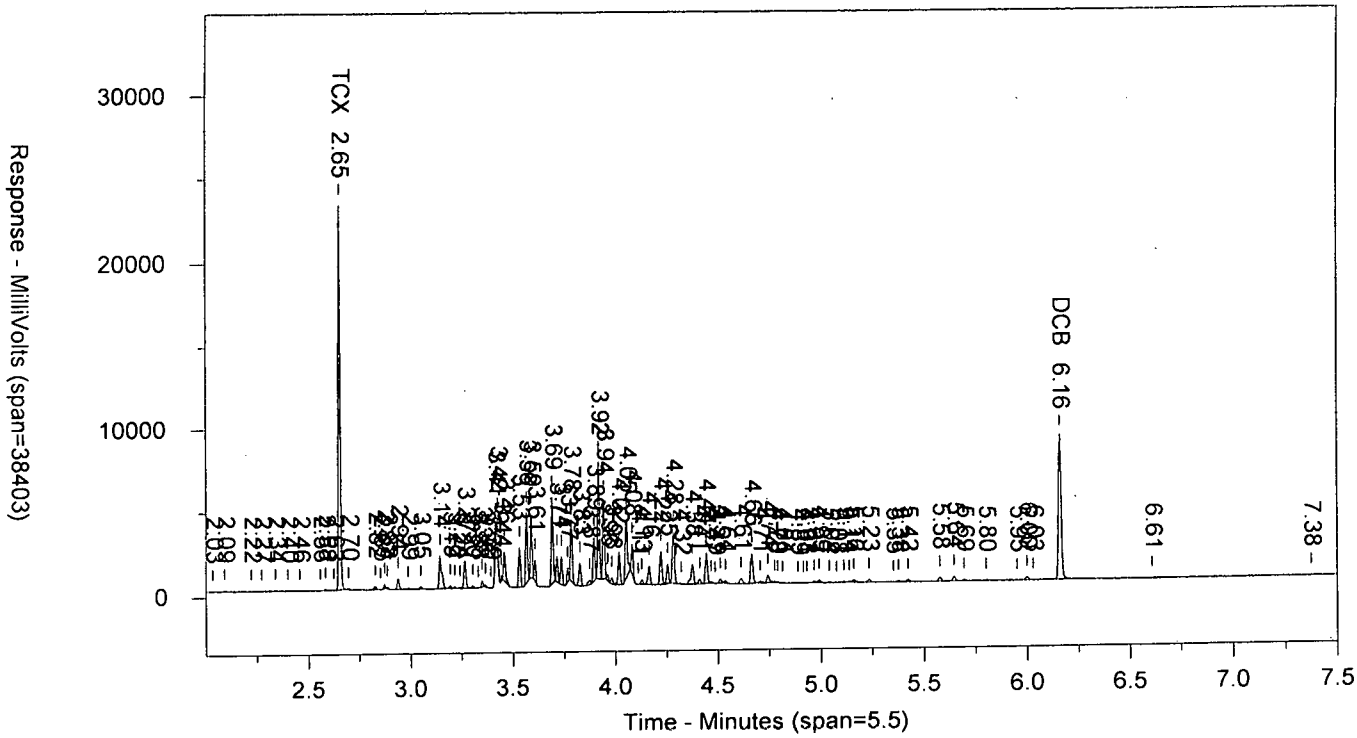

AR4851724C AAAR485AA ICAL 1724999999 10736 SW-846 8082

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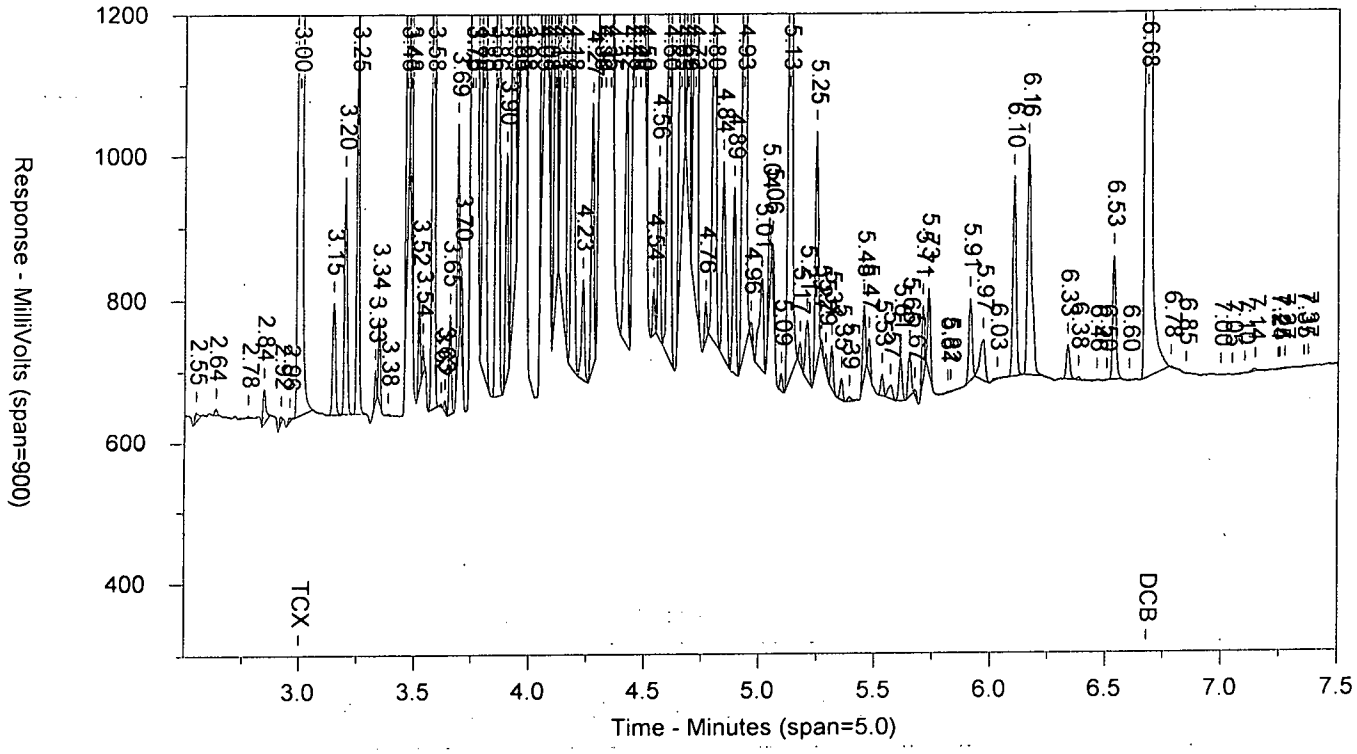

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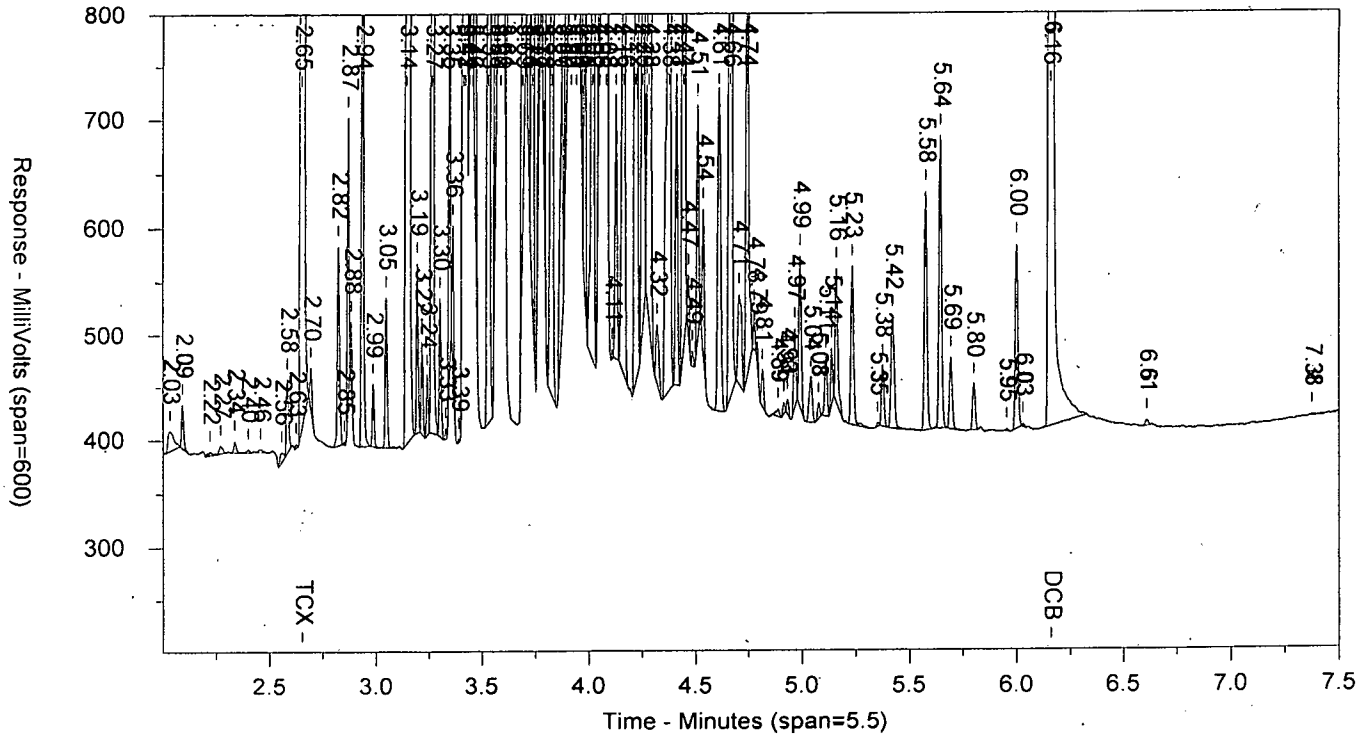

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:39:49 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.669		9517	49575
1.754		4841	4202
1.793		5102	5190
1.865		6328	4513
1.97		10193	8338
2.029		15860	23233
2.07		26769	22366
2.112		25220	47248
2.147		34476	55442
2.179		29761	41798
2.22		3173	2146
2.295		139101	114154
2.39		37920	33191
2.404		54083	36399
2.479		18758	11889
2.552		22289	25435
2.575		34048	36290
2.608		7093	10716
2.636		20011	14014
2.668		20878	16300
2.758		23878	21500
2.845		50811	41989
2.932		32477	36748
2.956		6247	6052
2.999	TCX	31936060	19687210
3.098		23256	21390
3.147		301157	256884
3.179		6479	3408
3.198		433599	369365
3.251		1126647	773920
3.328		56094	27944
3.344		222891	129552
3.386		7550	4744
3.407		12547	10168
3.465		2978687	1782858
3.482		992244	529749
3.519		250576	139279
3.535		69605	30640
3.546		32155	13584
3.579		3021535	2133819
3.617		12549	6475
3.633		26711	14007
3.655		257841	176477
3.688		631914	367277
3.703		209944	101216
3.748		2850033	1600291
3.76		3297145	1526338
3.799		3923484	3129767
3.858		4353800	3152041
3.9		597855	419283
3.927		7338840	5070585
3.954		4767566	3681732
3.977		1309508	693600

RT A	Compound A	Height A	Area A
4.053		8303367	5911710
4.078		2485904	1609347
4.109		2992732	2053713
4.143		7431829	6547065
4.184		2266709	1809573
4.231		270197	233038
4.271		742630	566978
4.305		5858292	3951210
4.324		8405661	5248912
4.348		9165984	6745840
4.419		746168	704622
4.455		6682381	5491096
4.475		1843601	1024391
4.496		1831585	1171552
4.537		122072	80787
4.561		452329	338318
4.603		2215547	1977483
4.653		3216691	2695790
4.685		1878570	1421160
4.715		5904457	4980910
4.764		111278	75221
4.799		2009215	1793539
4.841		483616	582734
4.889		508434	457527
4.929		3506272	3154729
4.96		20493	17201
5.009		247136	325242
5.041		224392	166335
5.056		129455	83965
5.093		45213	35775
5.127		2667285	2541221
5.174		66085	44619
5.204		104888	130111
5.246		615499	553073
5.269		30739	14098
5.286		40653	24607
5.311		107968	90809
5.354		55149	49633
5.385		10754	10346
5.451		206401	166107
5.473		90212	65536
5.529		57756	49190
5.567		35087	41932
5.608		70094	69786
5.647		129247	114989
5.672		20351	13955
5.706		214375	172918
5.731		136813	101422
5.809		1864	831
5.83		1421	1412
5.847		1971	594
5.91		215127	208829
5.965		101529	158046
6.02		2439	3491
6.1		328676	323505
6.163		376853	478507
6.289		1975	1051
6.332		88677	88525
6.377		4904	4331
6.532		199444	208123
6.628		2019	1275
6.678	DCB	9982796	9577335
6.815		2859	1504
6.921		1533	1017
6.959		1692	972
7.066		1108	611

RT A	Compound A	Height A	Area A
7.097		1450	593
7.106		1367	390
7.135		5287	6591
7.18		1491	386
7.233		1466	1222
7.288		1171	570
7.391		1074	459
7.42		1415	419
7.454		1897	448
7.586		1130	396
7.611		1171	400
7.685		2042	463
7.707		1811	735
7.802		1219	335
7.825		2151	1111
7.877		2251	680
8.033		2028	548
8.092		1343	725
8.26		1596	372
8.339		1579	349
8.363		1602	365
8.442		1494	610
8.497		1985	483
8.561		2058	814

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:39:49 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.562		13260	12018
1.588		4765	3714
1.617		2658	1581
1.662		19565	17405
1.725		1859	1437
1.764		28827	24927
1.832		6074	11741
1.868		31279	24379
1.927		3299	2469
1.967		153432	136958
2.029		16630	23687
2.072		31557	18530
2.092		49022	29571
2.172		37704	31619
2.225		6245	9987
2.271		43749	34775
2.337		20784	16665
2.367		34256	24710
2.401		2534	1620
2.463		35421	29729
2.513		8459	12545
2.557		36698	32792
2.583		41524	27190
2.607		5606	3112
2.653	TCX	30090800	18419370
2.696		86711	58400
2.737		24452	23406
2.782		3884	2968
2.824		365164	269726
2.87		324552	164443
2.884		136885	60446
2.913		14828	10636
2.937		1133835	732740
2.987		82204	63814
3.047		262895	170239
3.08		18267	16442
3.111		4611	3106
3.144		3659840	3319471
3.195		306519	180801
3.217		165619	95405
3.242		111878	62781
3.265		3133105	2065670
3.303		251105	151328
3.329		19119	8094
3.348		702395	375267
3.363		252743	118878
3.391		8072	3742
3.413		3183792	1376149
3.423		3694409	1547661
3.442		576356	233092
3.457		3413511	2173679
3.531		4941948	2976490
3.565		8268068	4813177
3.589		7447223	4044088

3.606		2372650	1178278
3.691		9913679	6269644
3.715		3060602	1652367
3.736		3251523	1879043
3.766		1554618	808512
3.784		7213186	4279642
3.826		2535441	1815562
3.874		504155	426609
3.895		5098253	3068772
3.918		13655940	8547686
3.942		9328788	5794567
3.962		703460	346478
3.981		632444	369067
4.017		3746953	2560023
4.052		6987450	5161244
4.081		3905568	2113088
4.11		13113	4877
4.128		474866	311772
4.162		2013135	1518339
4.22		4047120	2844348
4.253		2145498	1507393
4.281		5989253	4262820
4.319		114562	107987
4.375		2279543	2098735
4.41		533941	391911
4.443		3584998	2553153
4.467		104616	56990
4.486		10566	4774
4.511		436803	287851
4.536		271008	193319
4.611		583184	567634
4.663		3828391	2813619
4.705		154003	154878
4.743		860511	736623
4.775		60207	29825
4.789		49203	25809
4.814		72002	49509
4.873		4327	3246
4.888		8612	4987
4.914		18495	11576
4.932		30741	19085
4.965		142135	100096
4.989		262818	209976
5.04		77287	75036
5.076		27866	19870
5.11		70355	57068
5.138		106779	70663
5.159		253640	202889
5.233		188617	161918
5.351		5416	3687
5.374		106432	88179
5.422		185883	197750
5.575		261128	228545
5.644		302127	265699
5.692		95222	81282
5.8		85238	69072
5.831		4227	3488
5.95		3492	3378
6		218342	186667
6.03		3165	1960
6.158	DCB	11280450	10105090
6.476		2068	1663
6.608		6990	6650
8.291		5308	9285

AR4861724B AAAR486AA ICAL 1724999999 10736 SW-846 8082

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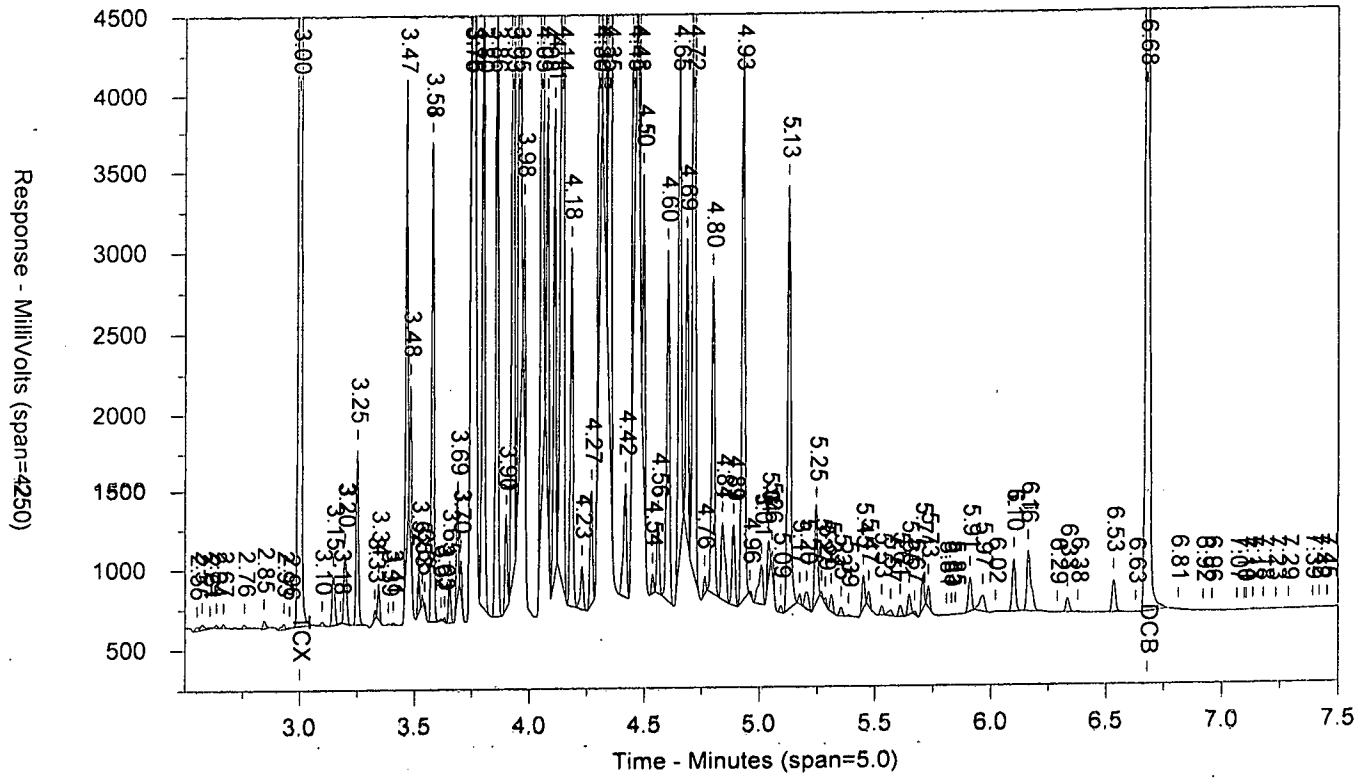

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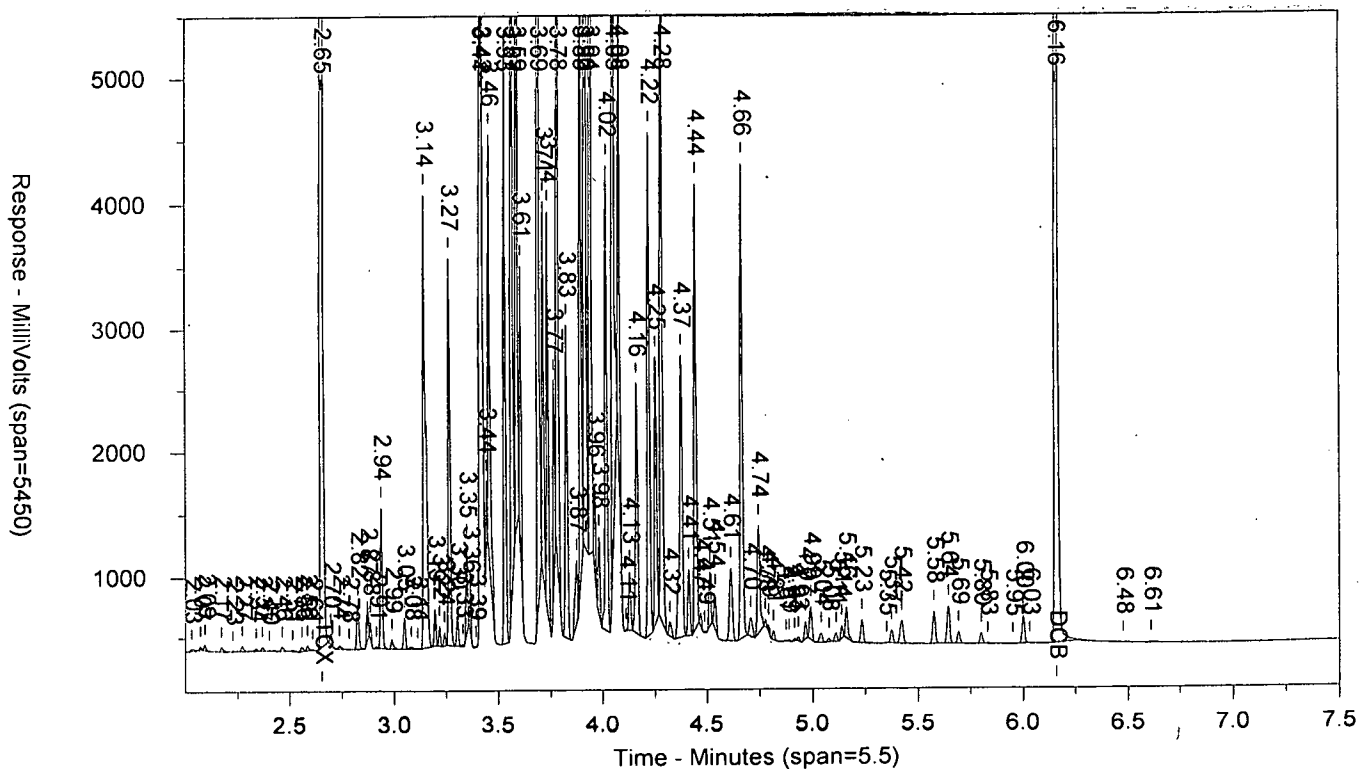

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:39:49 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	31936060	84.375	TCX	2.653	30090800	77.429	TCX
6.678	9982796	73.958	DCB	6.158	11280450	70.811	DCB

Files:
Area File: 07pcbs17250001.0018.RAW
Area File: 07pcbs17250001B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 1:48:35 AM
File Reported On: 9/8/2017 at 1:48:46 AM

AR4861724B AAAR486AA ICAL 1724999999 10736 SW-846 8082

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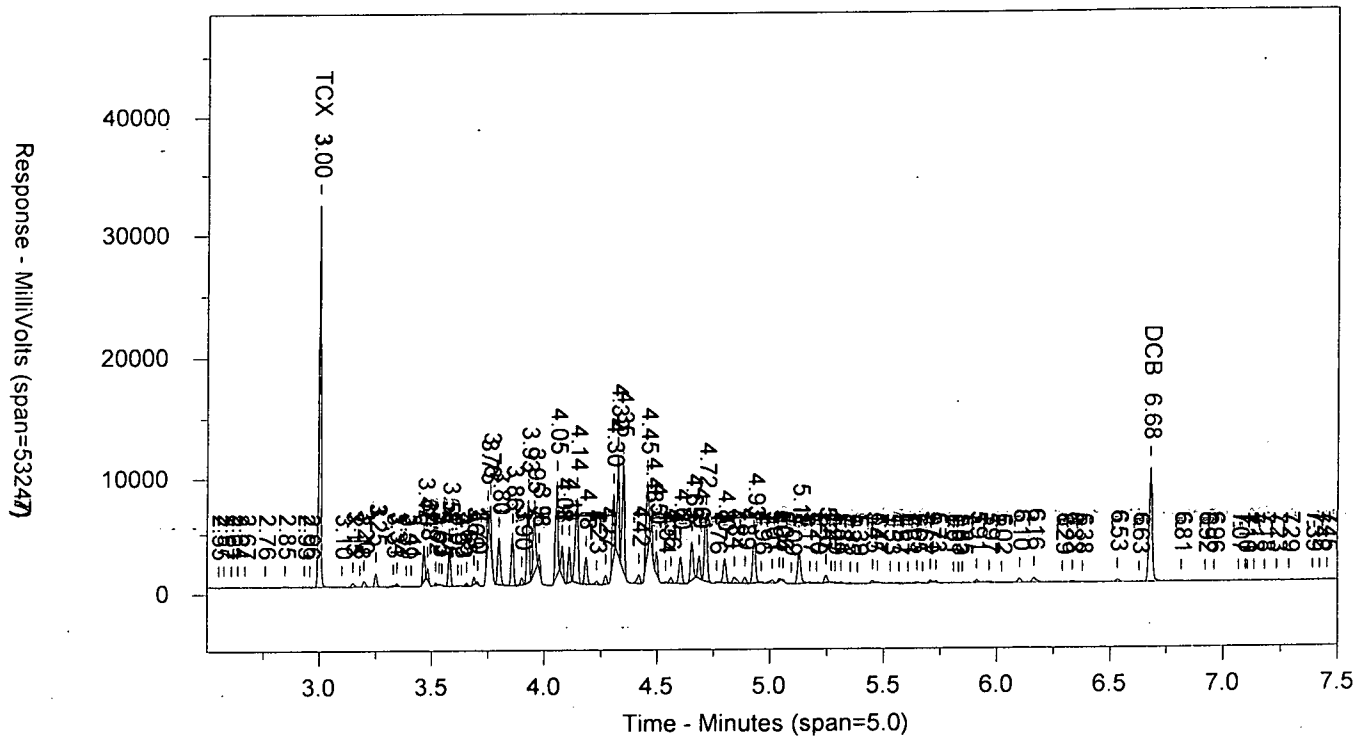

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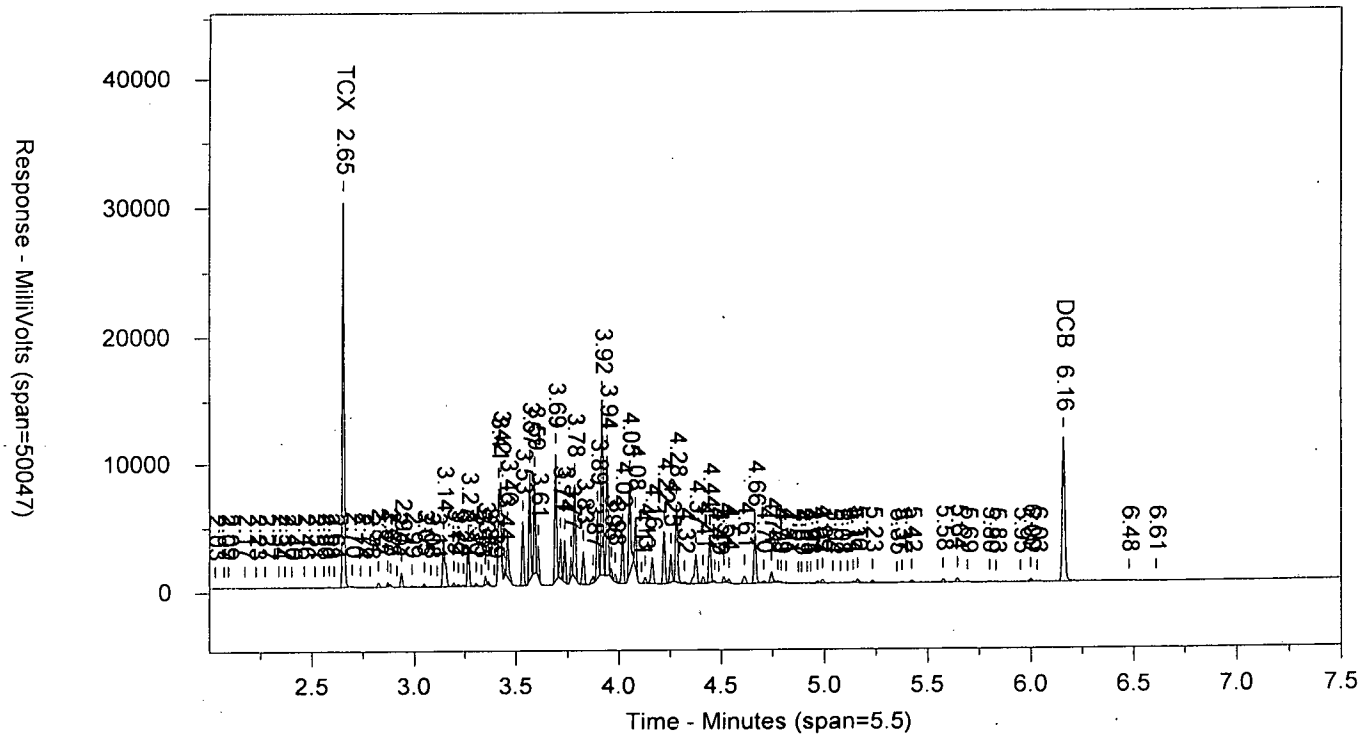

AR4861724B AAAR486AA ICAL 1724999999 10736 SW-846 8082

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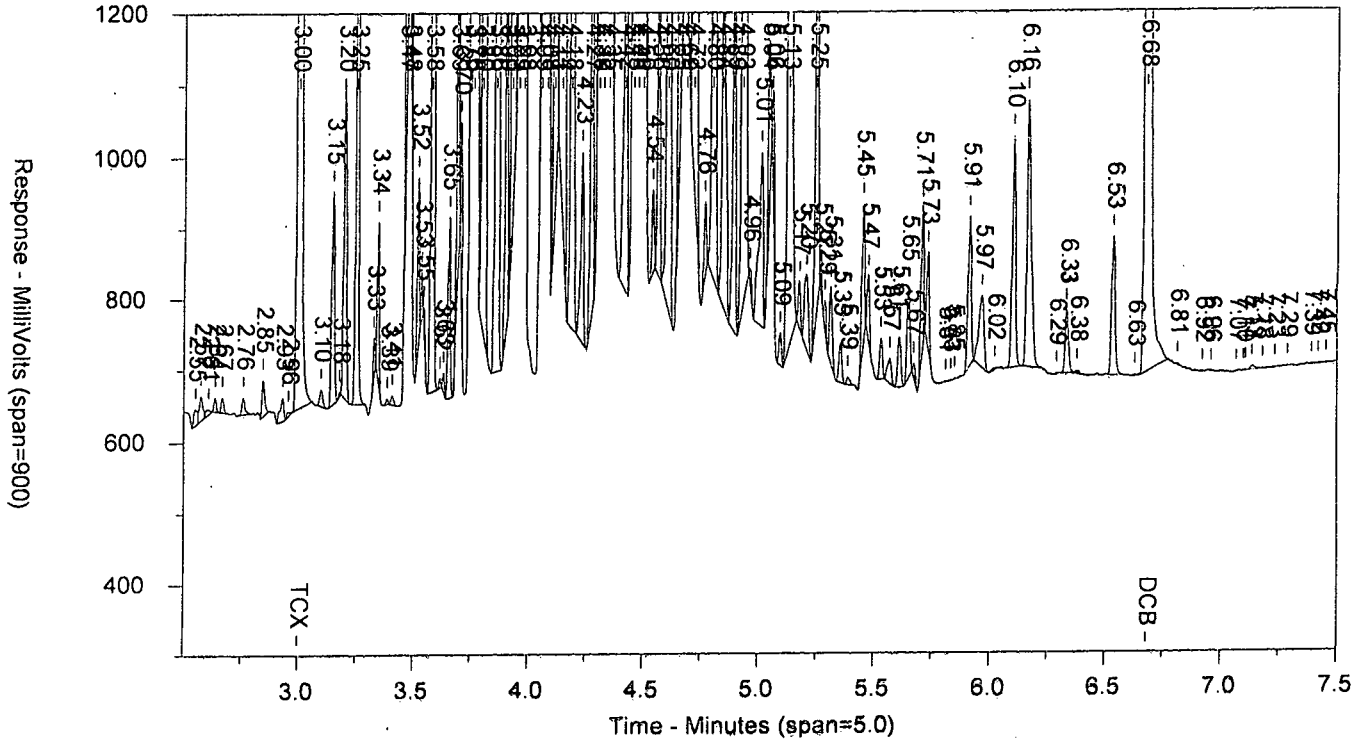

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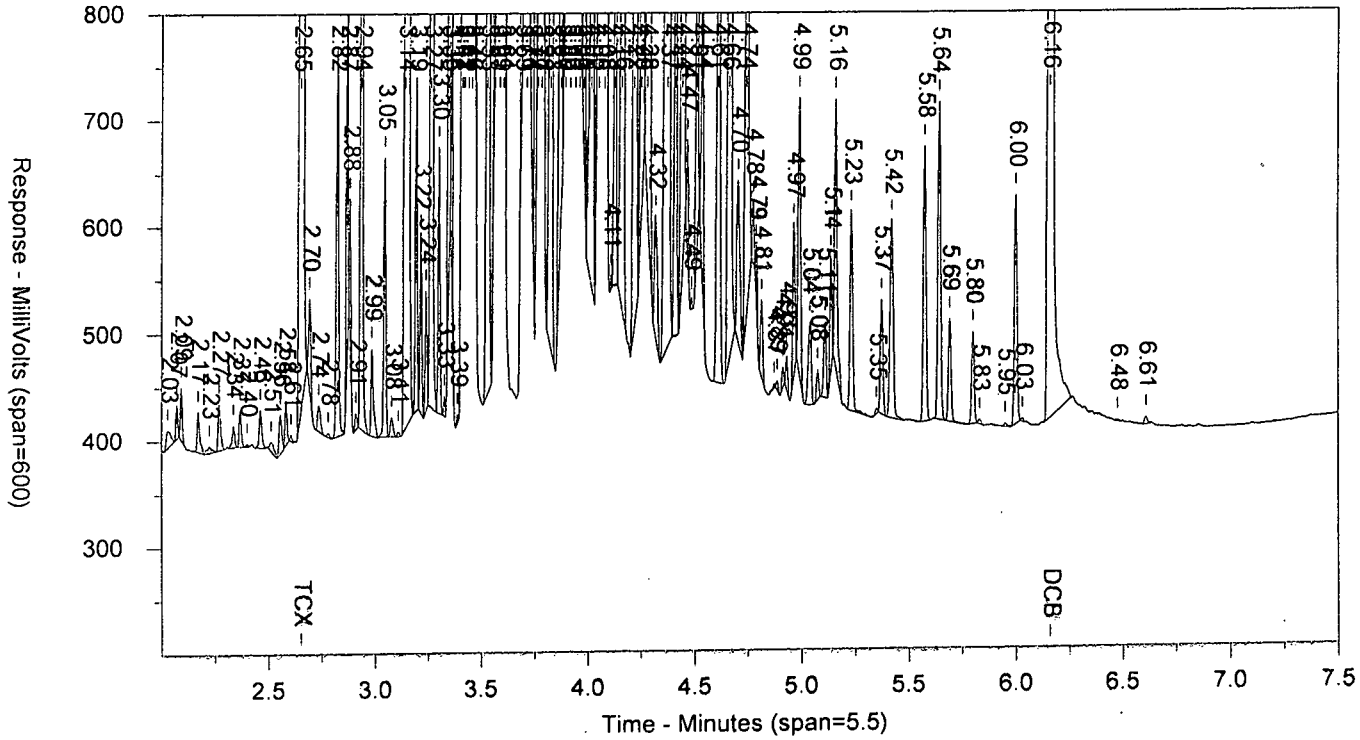

LANCASTER LABORATORIES

Sample Number: AR5411724B AAAR541AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:51:22 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0019.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.631		21198	20444
1.665		15241	34225
1.789		3075	1964
1.932		2576	984
2.036		2354	3349
2.111		30783	54863
2.15		31033	78793
2.22		3451	2606
2.391		29631	20375
2.436		7498	7239
2.554		16784	25416
2.603		4902	4288
2.671		2691	1841
2.757		1705	844
2.824		6871	4711
2.845		36185	32067
2.928		24986	39326
2.956		9804	10987
2.999	TCX	816246	545215
3.198		12152	8088
3.251		5603	4960
3.342		12200	25917
3.466		7547	5576
3.581		6571	4766
3.614		2031	1752
3.658		11719	9174
3.75		4483	2928
3.761		5349	3866
3.801		19533	16862
3.858		9893	9079
3.901		2675	1611
3.928		202345	147655
3.954		57270	48376
3.982		3325	2182
4.054		127787	94600
4.078		6638	4238
4.11		14607	10385
4.144		55035	52346
4.185		10283	8070
4.215		1344	446
4.248		9755	9616
4.272		7946	4726
4.307		265058	185749
4.325		105287	63602
4.351		88903	76478
4.42		89826	76776
4.462		428944	464290
4.497		170987	136149
4.537		5699	3156
4.561		30081	23476
4.604		170460	147610
4.654		258636	229687
4.686		66175	46214

RT A	Compound A	Height A	Area A
4.716		558591	490273
4.765		31141	20372
4.779		8884	4564
4.801		80180	61829
4.843		194046	194033
4.889		37007	31005
4.93		342600	326404
4.99		40742	46153
5.042		113280	84999
5.057		43332	28729
5.094		3677	1812
5.13		190521	204117
5.175		21711	16524
5.202		6964	6133
5.247		265236	235998
5.268		12067	6200
5.311		8939	6350
5.352		12724	10474
5.392		2270	2282
5.452		81352	68996
5.473		19377	11589
5.529		11644	9490
5.569		11476	11182
5.609		3193	1853
5.648		52644	45694
5.673		7761	5317
5.708		43517	38502
5.784		1255	462
5.82		1770	1182
5.872		1679	3159
5.911		41454	39372
5.942		5378	4102
6.021		2251	3048
6.076		964	593
6.101		10892	9464
6.133		928	331
6.162		14107	16169
6.243		1716	439
6.295		1571	928
6.469		1547	540
6.532		4813	4244
6.587		1476	441
6.679	DCB	321130	327148
6.788		1226	390
6.815		1591	1035
6.848		1403	660
6.947		1900	478
7.073		1125	1244
7.089		2393	956
7.128		2264	801
7.201		1149	322
7.241		1290	408
7.275		1350	368
7.285		1792	321
7.321		1610	344
7.446		1271	912
7.486		1243	500
7.501		1070	414
7.667		1275	311
7.745		1626	1128
7.787		1819	1480
7.798		1418	633
7.866		1568	414
7.879		1324	452
7.898		1862	1044
7.966		1575	910

RT A	Compound A	Height A	Area A
8.054		1117	301
8.091		1581	363
8.162		1572	616
8.205		1649	548
8.235		1986	567
8.365		1383	692
8.387		1922	555
8.401		1637	473
8.438		1402	747
8.53		838	1233
8.551		1370	758
8.612		1285	422

LANCASTER LABORATORIES

Sample Number: AR5411724B AAAR541AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:51:22 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0019.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.588		3268	2231
1.762		3024	3848
1.805		2981	2782
1.833		7609	4750
1.959		30708	22475
2.032		17271	55331
2.172		3729	4786
2.209		2902	2967
2.271		9444	9073
2.367		2711	2144
2.402		3222	2702
2.459		3043	3176
2.513		10299	23741
2.555		17109	19481
2.583		50834	38920
2.629		2416	1516
2.653	TCX	818490	507597
2.738		3723	4954
2.81		3340	1590
2.87		13368	10503
2.912		2161	1313
2.937		4831	3626
2.989		3056	3062
3.077		2397	2506
3.145		6908	3574
3.219		5023	3397
3.266		7486	5964
3.304		7741	6991
3.35		2632	1242
3.363		4017	3150
3.393		2432	1365
3.413		12840	12875
3.443		3542	1625
3.458		14925	11626
3.531		11126	7296
3.565		233688	139710
3.589		78204	44932
3.647		1777	1169
3.691		146981	89379
3.714		12381	6808
3.737		17211	11755
3.766		13346	6940
3.783		49586	28609
3.824		14460	10692
3.865		11703	10255
3.895		41711	23732
3.917		494649	322542
3.942		52224	28809
3.962		53255	27483
3.981		98403	61015
4.017		422456	290939
4.049		165588	101588
4.067		105588	57264
4.128		33255	27133

4.163		160885	119522
4.22		316238	236967
4.253		94183	70478
4.281		562832	415857
4.319		43371	40796
4.374		272916	232307
4.411		40950	32180
4.443		348961	249028
4.467		57226	38066
4.511		219659	172807
4.536		9172	5279
4.611		200760	200821
4.664		239925	188812
4.704		63389	50535
4.743		377727	383381
4.791		30533	18684
4.815		14151	9222
4.876		4764	6886
4.933		18740	16803
4.966		19458	13616
4.99		114368	92387
5.041		15739	13099
5.076		12197	9772
5.11		7174	6602
5.137		52519	37346
5.16		39100	33628
5.232		6321	5465
5.417		41848	41109
5.576		9406	8285
5.646		10089	8395
5.693		3347	3448
6		6153	4871
6.159	DCB	358353	335596
7.774		1796	4697
8.297		5971	9926

AR5411724B AAAR541AA ICAL 1724999999 10736 SW-846 8082

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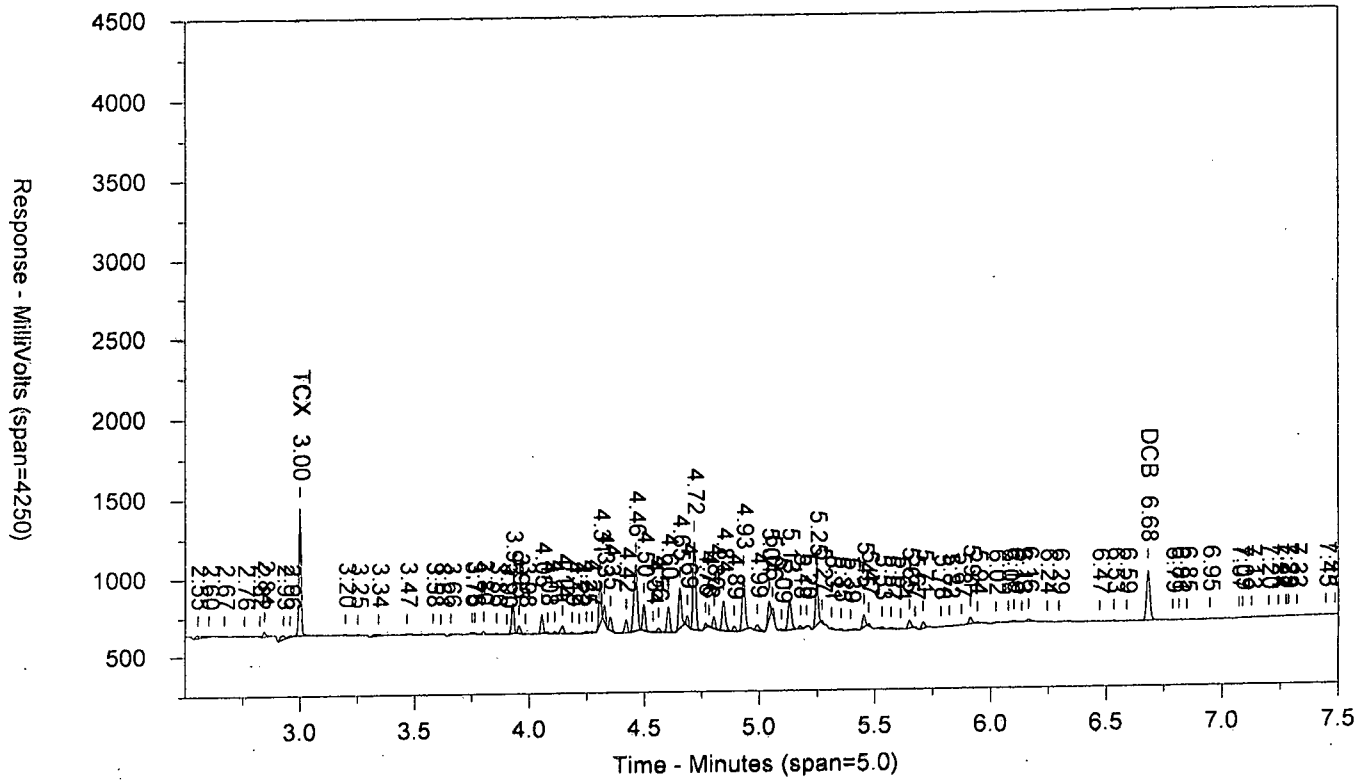

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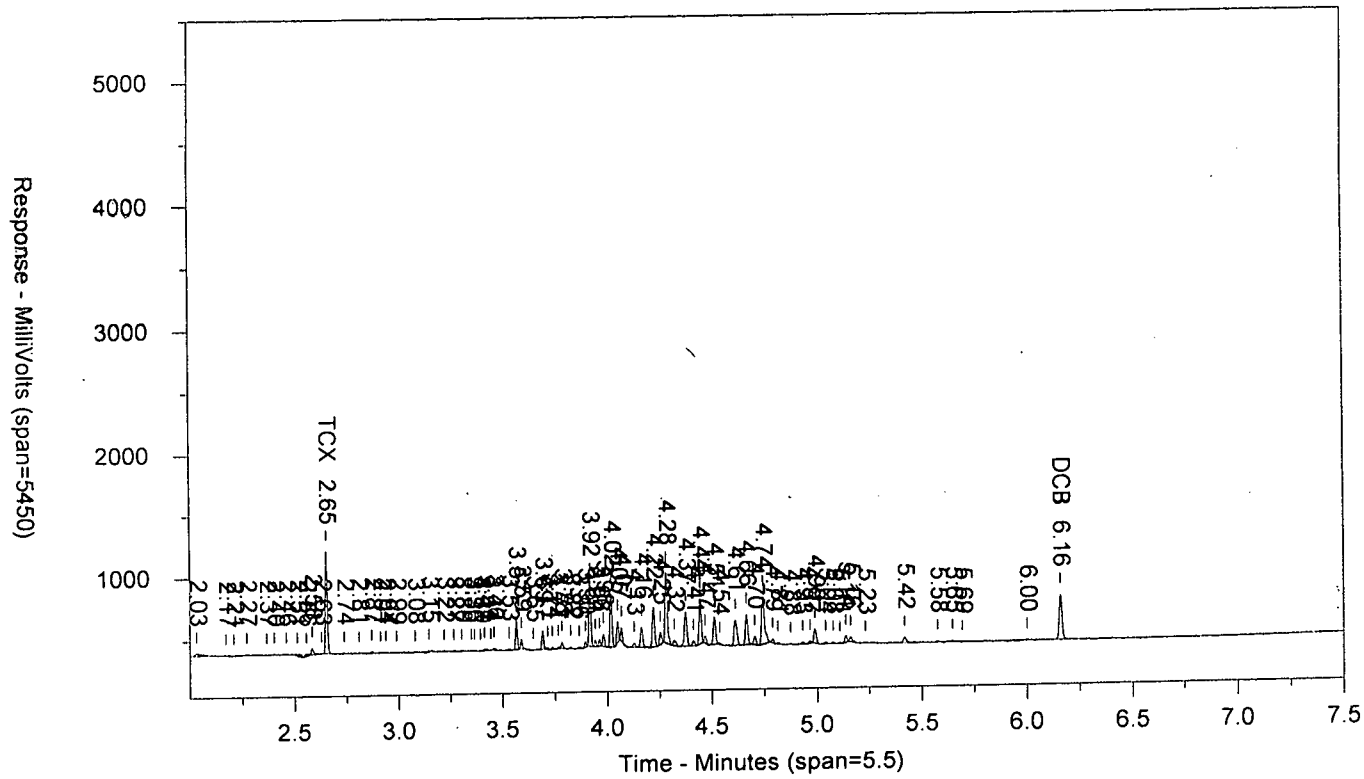

LANCASTER LABORATORIES

Sample Number: AR5411724B AAAR541AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 1:51:22 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	816246	2.157	TCX	2.653	818490	2.106	TCX
6.679	321130	2.379	DCB	6.159	358353	2.249	DCB

Files:
Area File: 07pcbs17250001.0019.RAW
Area File: 07pcbs17250001B.0019.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 2:00:05 AM
File Reported On: 9/8/2017 at 2:00:16 AM

AR5411724B AAAR541AA ICAL 1724999999 10736 SW-846 8082

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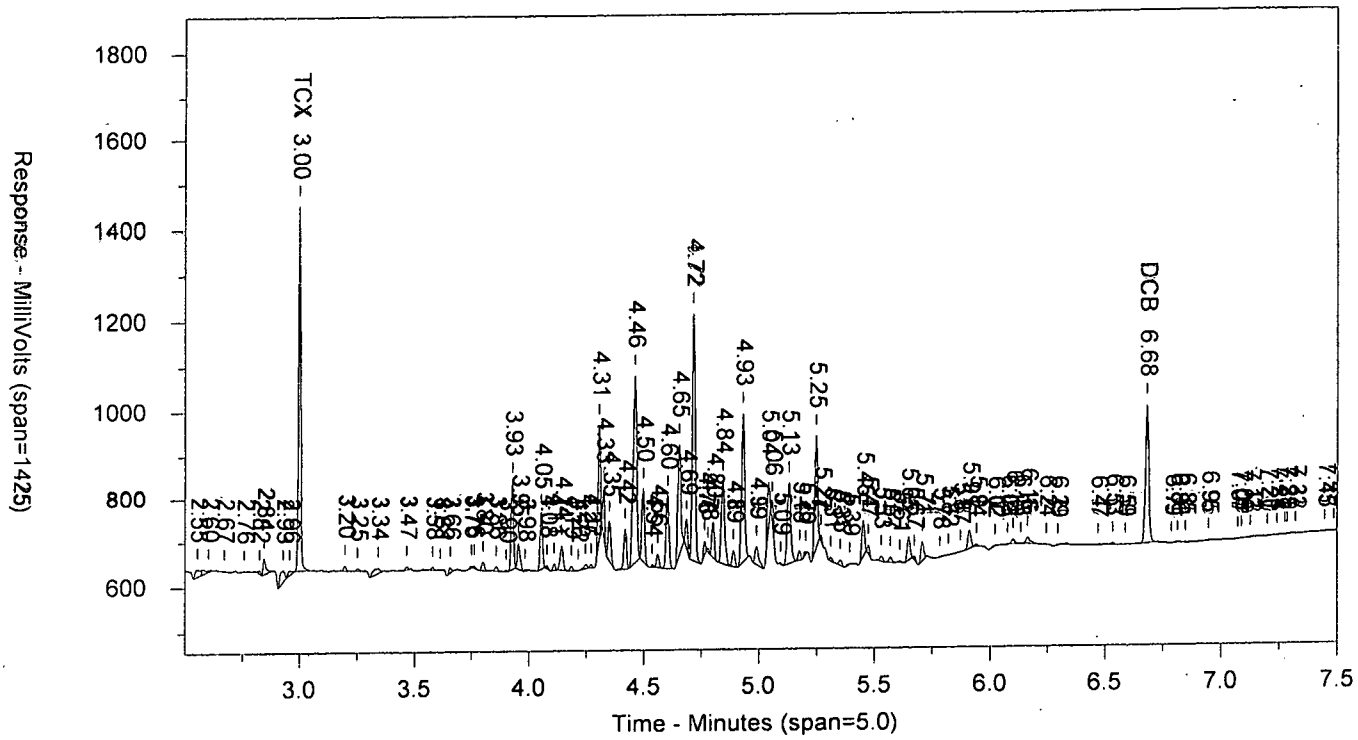

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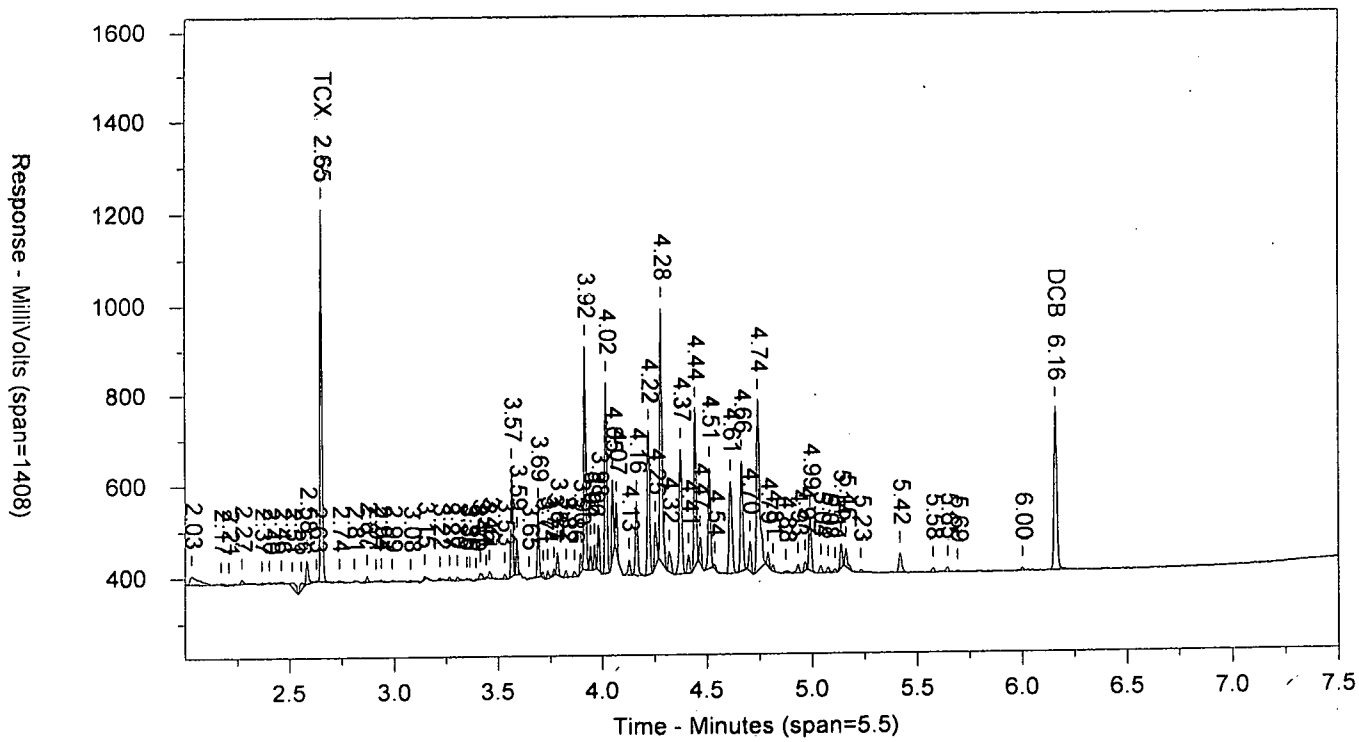

AR5411724B AAAR541AA ICAL 1724999999 10736 SW-846 8082

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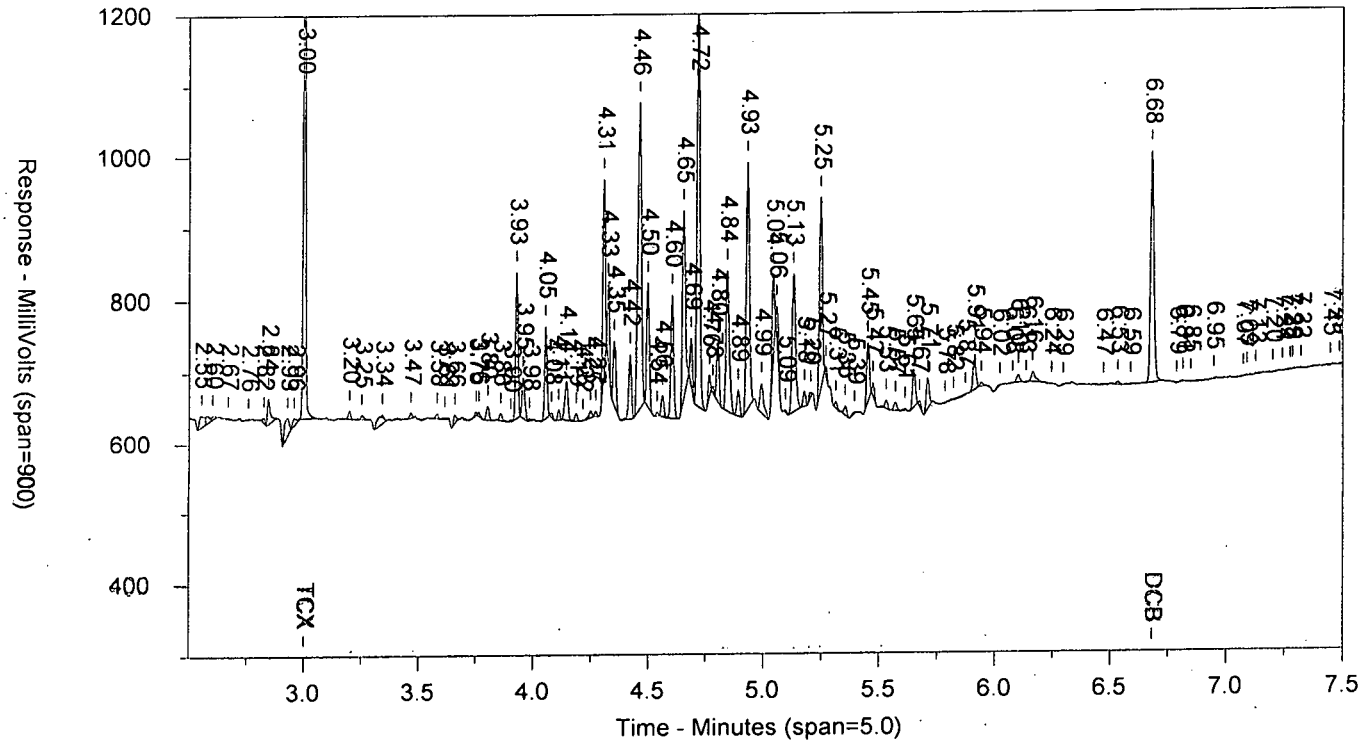

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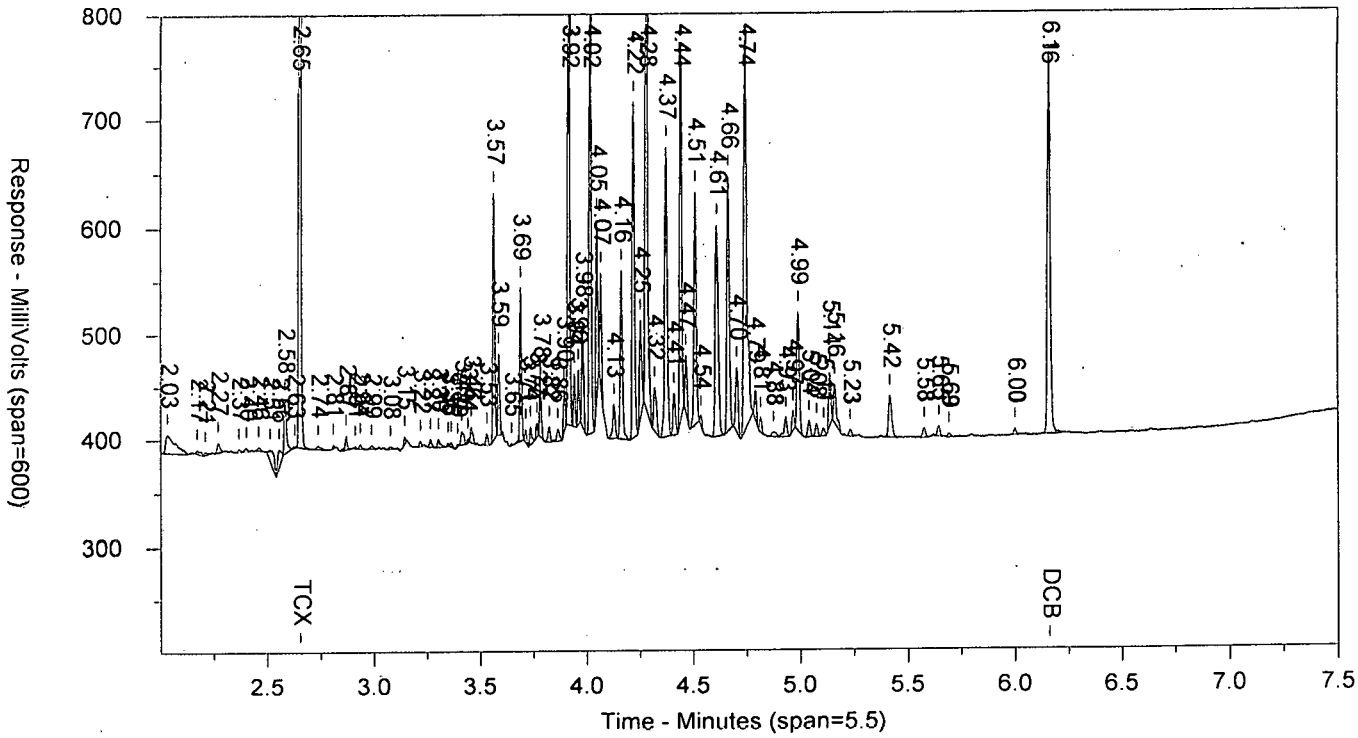

LANCASTER LABORATORIES

Sample Number: AR5421724B AAAR542AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:02:53 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.634		8495	9412
1.791		4307	2581
1.876		3099	2433
2.029		2034	1707
2.113		18688	43637
2.151		26949	58734
2.222		2060	1605
2.293		6424	3683
2.391		43364	29182
2.434		7417	8605
2.551		9838	9632
2.762		2032	2325
2.844		27043	22046
2.918		7474	6275
2.956		5354	4887
2.999	TCX	1491755	991306
3.197		25806	17458
3.249		8243	6365
3.328		3734	4815
3.466		14723	8982
3.482		4353	2306
3.535		5515	3013
3.579		13878	11932
3.655		17219	13185
3.688		4241	4519
3.748		10492	5343
3.761		7391	6090
3.8		35161	29681
3.843		1787	821
3.857		17433	12909
3.894		1044	199
3.9		2180	822
3.927		374592	269076
3.954		103607	85164
4.053		229193	171927
4.078		13959	8871
4.11		27887	19739
4.144		107266	98806
4.186		21307	17006
4.217		1745	661
4.234		2033	1418
4.249		7415	4470
4.27		19207	11943
4.306		463097	347319
4.325		198893	111529
4.351		167064	136580
4.393		1555	1066
4.419		165337	137793
4.462		750914	845589
4.497		321433	256205
4.538		11615	7031
4.561		57436	45141
4.603		298078	270174

RT A	Compound A	Height A	Area A
4.654		498819	437507
4.685		130722	87371
4.715		997152	907029
4.764		59724	40333
4.78		20242	8693
4.801		150302	113785
4.841		355167	354357
4.888		67319	59661
4.93		624806	601591
4.989		79008	84938
5.041		199907	143404
5.055		78160	54346
5.09		7776	5655
5.129		358291	387068
5.175		47351	34671
5.199		41189	63267
5.246		496877	444550
5.267		27437	13109
5.286		20795	10799
5.312		18542	12897
5.353		20369	15914
5.419		1815	651
5.451		145351	127096
5.472		36101	21234
5.53		24649	19589
5.567		23413	19542
5.608		7133	5399
5.647		96171	87331
5.672		14548	9059
5.707		79400	72533
5.73		4184	2426
5.804		1455	2388
5.91		80497	76056
5.941		10054	7592
6.014		2577	2295
6.032		1233	707
6.101		23108	23836
6.162		29264	38802
6.231		1715	699
6.28		1363	439
6.304		1961	2869
6.332		2653	1330
6.531		9790	9294
6.678	DCB	574218	623808
6.785		1081	373
6.812		2253	818
6.936		1435	922
6.974		965	348
7.044		1634	388
7.074		1805	607
7.136		1541	598
7.207		1170	811
7.271		1944	773
7.286		1769	872
7.32		1272	1317
7.446		1183	693
7.523		2051	1159
7.623		1270	906
7.729		1637	1091
7.767		1449	365
7.808		2329	717
7.835		1482	726
7.853		1562	356
7.882		1755	822
7.912		1969	650
8.03		2548	1292

RT A	Compound A	Height A	Area A
8.047		2620	1396
8.071		1722	789
8.112		1562	983
8.134		1327	478
8.247		1118	284
8.426		1284	324
8.44		2181	703
8.477		1328	1174
8.497		1558	753
8.553		1694	385
8.58		1907	1034
8.601		1316	420

LANCASTER LABORATORIES

Sample Number: AR5421724B AAAR542AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:02:53 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.587		5016	4249
1.832		2890	5179
1.959		47215	34322
2.032		14815	30869
2.192		3036	1924
2.272		8610	8139
2.399		2468	2024
2.46		2832	4104
2.508		5044	13434
2.550		8184	19063
2.584		39264	30601
2.628		3216	1786
2.653	TCX	1559909	974555
2.811		7108	8289
2.87		25568	18913
2.937		8590	5877
2.987		4024	3092
3.047		4427	2483
3.144		20452	25341
3.219		10172	9515
3.266		14935	10144
3.303		13569	10644
3.349		4393	2152
3.363		5226	3886
3.413		23803	25781
3.443		7969	3473
3.458		27543	20098
3.486		3206	1552
3.531		20236	12217
3.565		432315	259688
3.589		145176	83302
3.606		12125	4791
3.648		2069	1028
3.691		268069	165140
3.714		20718	11297
3.736		33044	21557
3.766		25474	12611
3.784		92906	55437
3.825		27198	20057
3.865		20799	16947
3.895		82584	47183
3.917		892192	602739
3.942		92031	53338
3.962		98551	53882
3.982		172044	108396
4.018		764822	545911
4.049		304262	189494
4.067		199819	105359
4.127		66175	47782
4.163		304355	227504
4.22		597165	451618
4.254		174515	133440
4.281		1074113	789384
4.319		81416	78272

4.374		518578	433280
4.411		75956	58524
4.444		670129	469176
4.467		111890	71790
4.511		409471	323072
4.536		20698	11653
4.611		393000	376270
4.664		447172	361783
4.704		123795	101278
4.743		751289	711509
4.79		54848	34647
4.814		25085	17074
4.875		8388	10315
4.931		35247	31470
4.966		36247	24715
4.989		213756	172479
5.04		30726	24453
5.075		22886	18976
5.107		14958	12218
5.138		101770	71769
5.159		76918	63449
5.232		12149	9908
5.378		3533	2726
5.417		81071	81545
5.575		18021	14733
5.621		2759	1808
5.643		18995	14827
5.69		6121	5907
5.798		3951	3456
6		11255	11236
6.159	DCB	710033	646106
6.391		1911	3539
6.635		2348	2833
6.856		2193	3392
7.332		941	2289
7.427		1167	226
7.709		1463	4573
7.915		971	3689
8.207		1680	2347
8.29		6041	11533
8.635		996	2516

AR5421724B AAAR542AA ICAL 1724999999 10736 SW-846 8082

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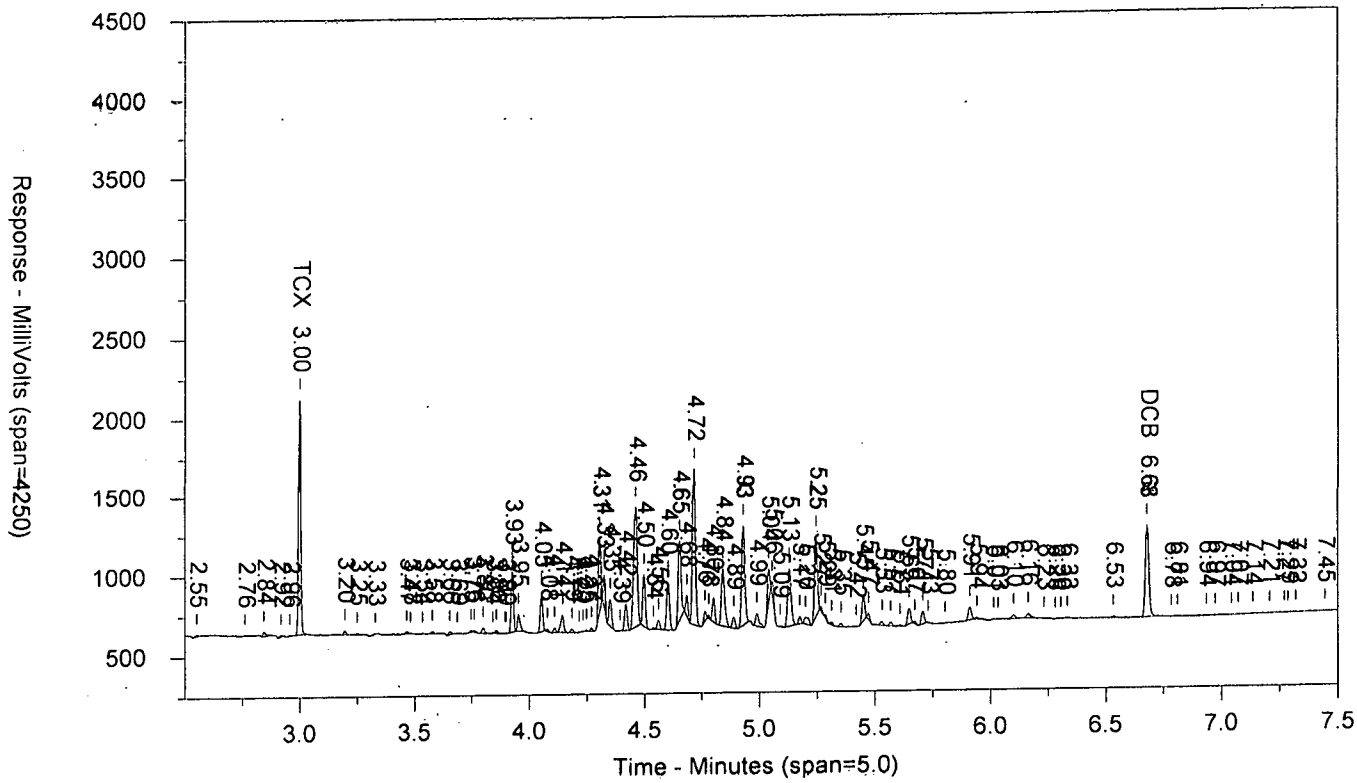

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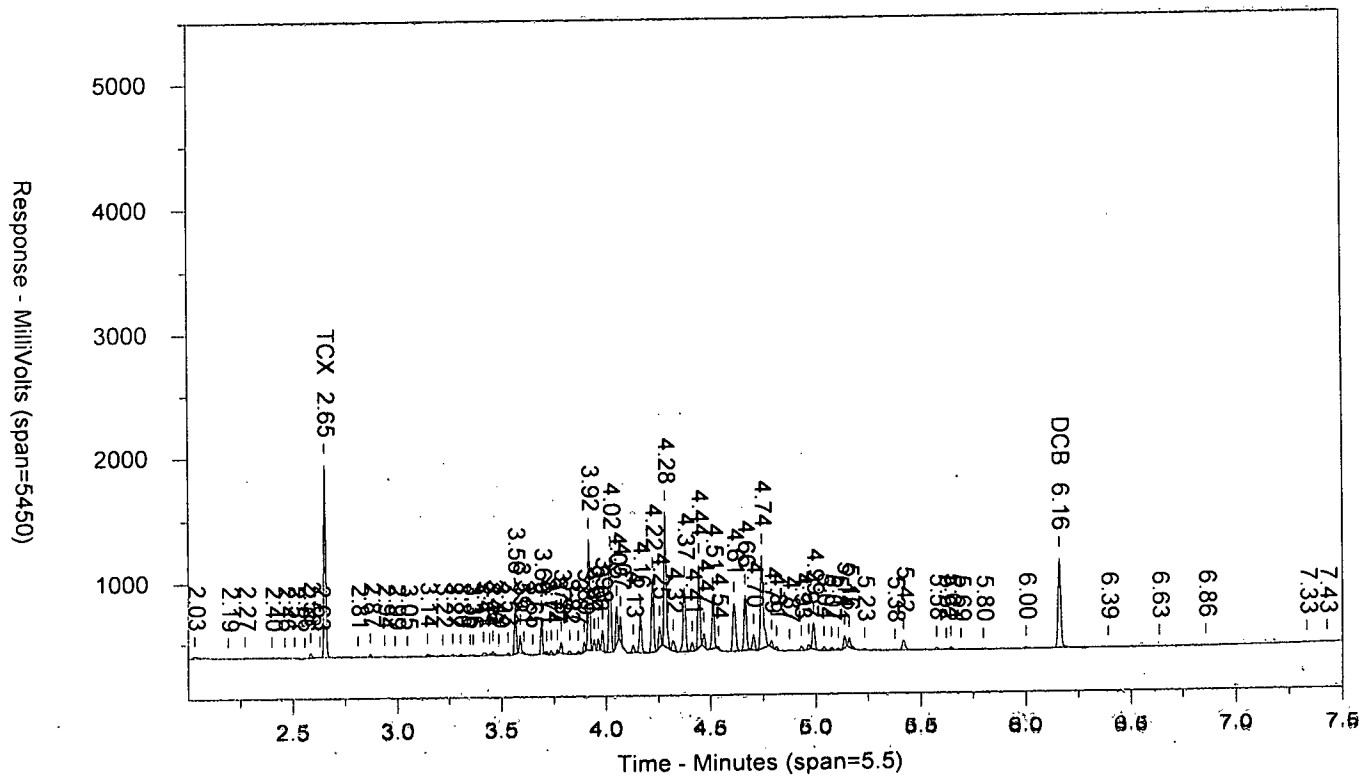

LANCASTER LABORATORIES

Sample Number: AR5421724B AAAR542AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:02:53 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	1491755	3.941	TCX	2.653	1559909	4.014	TCX
6.678	574218	4.254	DCB	6.159	710033	4.457	DCB

Files:
Area File: 07pcbs17250001.0020.RAW
Area File: 07pcbs17250001B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 2:11:35 AM
File Reported On: 9/8/2017 at 2:11:46 AM

AR5421724B AAAR542AA ICAL 1724999999 10736 SW-846 8082

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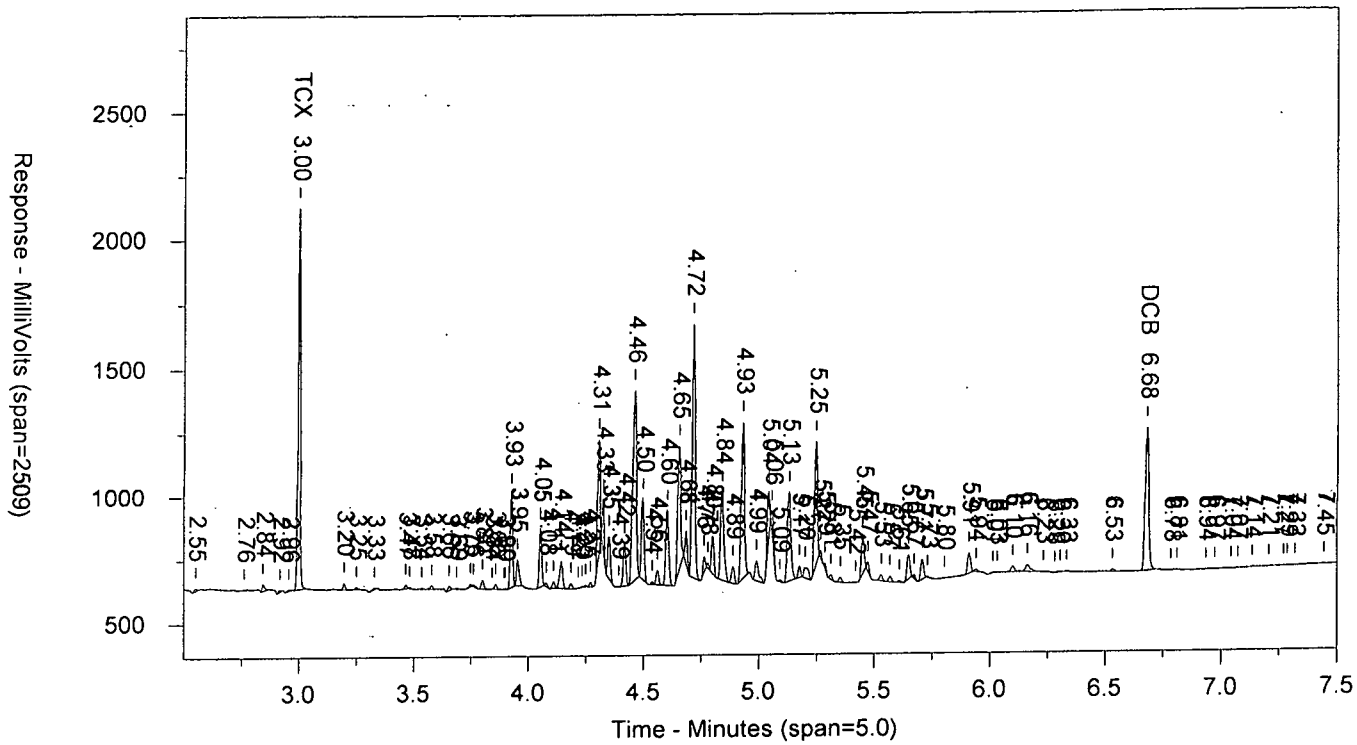

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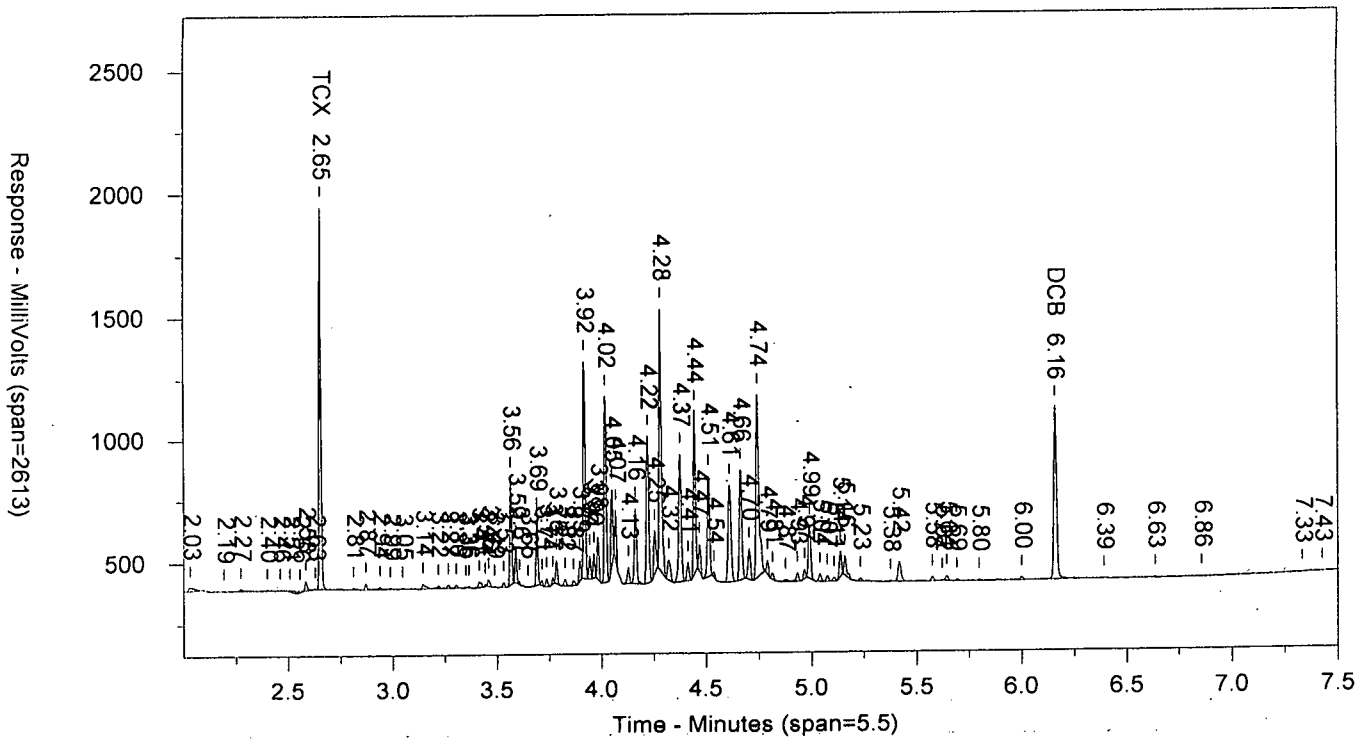

AR5421724B AAAR542AA ICAL 1724999999 10736 SW-846 8082

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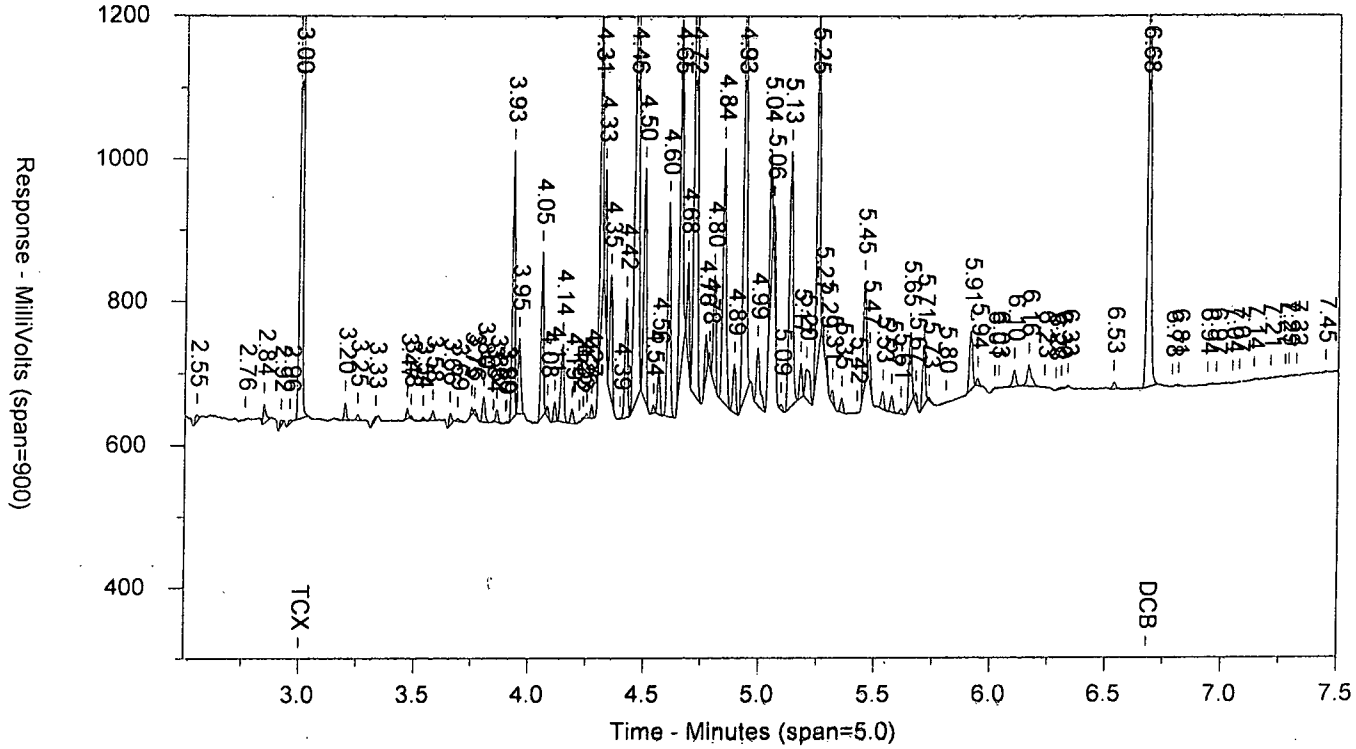

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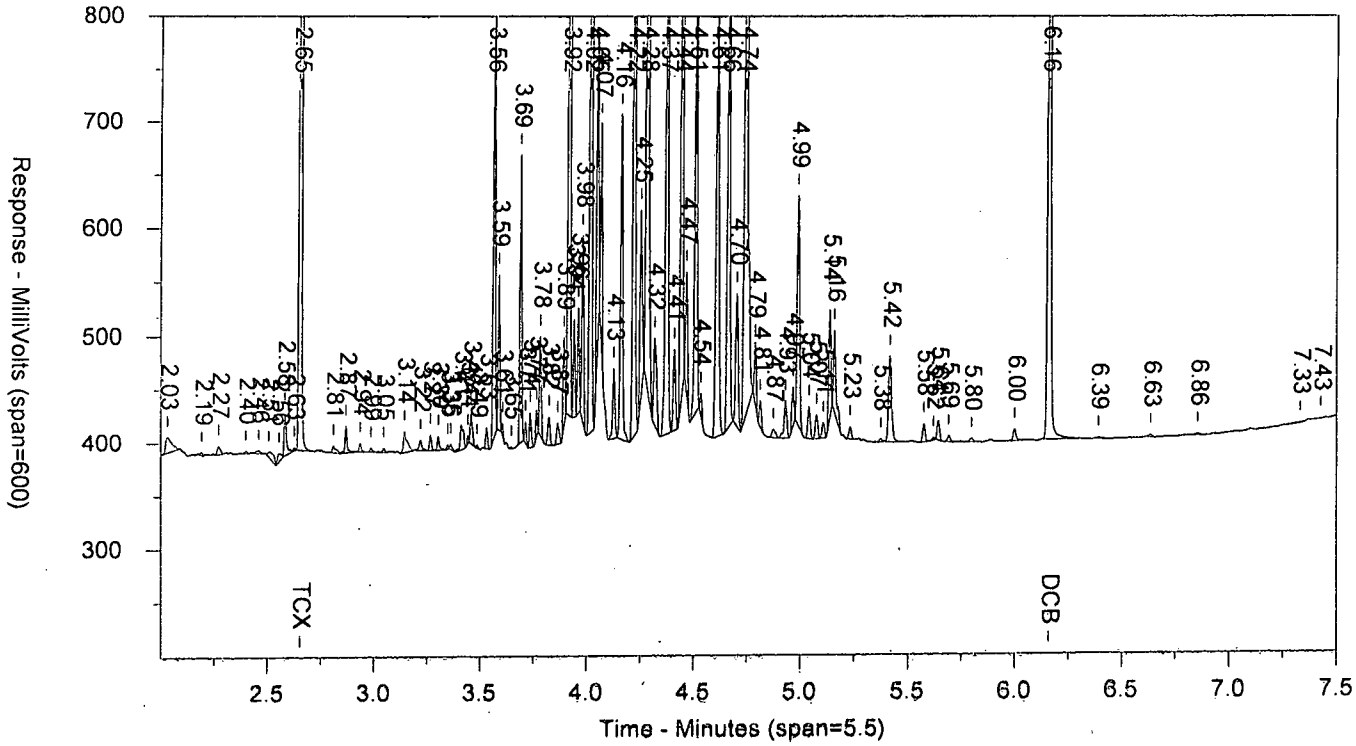

LANCASTER LABORATORIES

Sample Number: AR5431724B AAAR543AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:14:08 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.633		7523	8259
1.789		3972	2234
2.024		2124	1643
2.111		27941	48115
2.15		29099	76486
2.218		2833	1979
2.294		14449	9572
2.39		36875	27915
2.431		7545	7511
2.55		13972	17289
2.575		6407	5904
2.652		2513	825
2.718		4150	2366
2.776		2950	4484
2.844		28168	21297
2.925		15434	23051
2.955		5396	5277
2.998	TCX	3006407	1927621
3.093		2274	1085
3.146		5430	4184
3.196		46773	30651
3.25		15849	10613
3.327		9620	8617
3.341		4979	2397
3.464		28750	16513
3.481		8048	4820
3.534		9546	7923
3.579		26559	18718
3.654		27065	18529
3.687		6211	3984
3.747		20926	10903
3.76		12432	11172
3.799		68129	52432
3.856		35148	28047
3.897		5413	2938
3.925		685611	496139
3.953		189697	155855
4.052		429997	322935
4.077		28914	16987
4.108		53284	36768
4.141		193894	184235
4.183		38954	31385
4.231		6321	5063
4.248		6494	3304
4.268		35813	25004
4.304		935490	658438
4.323		378725	219893
4.349		315964	255441
4.417		309616	261751
4.46		1521800	1596103
4.495		605899	482026
4.536		22211	14564
4.559		114456	87794

RT A	Compound A	Height A	Area A
4.601		560128	514999
4.652		967920	843531
4.683		253948	169587
4.714		1999076	1747052
4.763		98397	72178
4.778		34488	16702
4.798		288367	214658
4.84		666867	668557
4.887		129974	118833
4.928		1240974	1171273
4.959		22089	14443
4.987		128489	103046
5.039		368495	278721
5.054		163841	101495
5.09		15203	11686
5.127		713857	749667
5.173		87429	69476
5.198		44696	28098
5.244		912798	845279
5.266		49680	24010
5.284		43805	25684
5.309		37579	27308
5.351		36990	30502
5.422		2020	1113
5.449		295713	251599
5.471		71808	49320
5.527		49559	43287
5.566		48367	41897
5.605		13290	11801
5.645		197369	173918
5.671		25465	16790
5.705		156688	138912
5.727		8267	4449
5.81		2030	2778
5.857		1050	1131
5.909		156689	148100
5.939		23100	17318
6.018		2331	3538
6.053		1429	883
6.098		43649	42310
6.161		52047	72253
6.244		1925	830
6.298		2717	2762
6.331		7546	7434
6.468		2103	938
6.53		20648	20850
6.598		2493	868
6.631		1137	481
6.676	DCB	1129170	1211689
6.77		1763	940
6.901		955	758
7.003		1926	1263
7.112		977	464
7.167		1637	923
7.268		2010	1835
7.417		1434	756
7.425		2080	423
7.446		1765	991
7.464		1198	789
7.52		1813	927
7.567		2239	448
7.591		1573	628
7.61		2112	912
7.696		1638	644
7.728		1261	555
7.762		1370	941

RT A	Compound A	Height A	Area A
7.813		1614	260
7.848		1214	459
7.885		1798	970
7.936		1759	472
7.976		2104	1348
8.042		1527	494
8.127		991	379
8.196		1712	573
8.252		1972	1103
8.296		1880	741
8.441		1357	1142
8.46		1683	528
8.51		1453	2148

LANCASTER LABORATORIES

Sample Number: AR5431724B AAAR543AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:14:08 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.588		4554	4340
1.763		3774	6716
1.834		12640	13962
1.96		41745	35390
2.036		13648	22513
2.092		4779	4477
2.153		1367	870
2.174		2496	1317
2.212		2206	4329
2.272		9850	9614
2.368		2287	1993
2.4		4032	3253
2.46		4238	4020
2.51		5884	14054
2.555		10719	11895
2.584		39602	29913
2.628		2249	1483
2.653	TCX	3156973	1919820
2.735		3185	3718
2.811		3205	1470
2.823		4559	3284
2.871		48656	31437
2.909		2395	1544
2.937		15235	9835
2.987		9742	7228
3.047		4103	2752
3.076		2489	2609
3.144		38309	38800
3.195		2337	1366
3.218		13851	8920
3.266		27644	18056
3.303		25337	18362
3.349		7166	3774
3.363		5712	3157
3.413		23049	10802
3.442		14989	6274
3.457		49594	37140
3.531		37958	24735
3.564		789181	478875
3.588		258421	152314
3.605		22728	9423
3.69		490193	311677
3.714		40730	21101
3.736		57866	39943
3.766		41366	22406
3.783		171876	104273
3.824		51493	38997
3.864		40721	35174
3.894		155851	89388
3.916		1720213	1143933
3.941		182154	102387
3.961		178141	100483
3.981		317650	194312
4.016		1483979	1029261

4.048		574419	360461
4.066		369223	195256
4.127		119903	87864
4.162		567081	423505
4.219		1177319	867113
4.253		336489	250573
4.28		2058443	1512794
4.318		158848	148531
4.372		972408	821442
4.41		150676	113600
4.442		1263308	906407
4.466		205562	133779
4.51		787162	610276
4.535		39944	23676
4.61		704470	715798
4.663		901461	715395
4.702		232560	194711
4.742		1432641	1371604
4.789		104006	65980
4.813		49475	33308
4.873		16221	18533
4.93		68472	62124
4.965		72515	49864
4.988		414329	336229
5.039		57984	47515
5.075		47364	36782
5.106		28818	24324
5.137		199584	141773
5.158		135906	88487
5.232		23077	19592
5.375		6059	4786
5.416		153656	159581
5.575		33581	28218
5.619		5705	3716
5.643		38020	31197
5.692		12780	11252
5.8		7943	9379
5.998		23317	19924
6.158	DCB	1356839	1255410
6.608		1382	1106
8.071		1278	936
8.288		6384	10752

AR5431724B AAAR543AA ICAL 1724999999 10736 SW-846 8082

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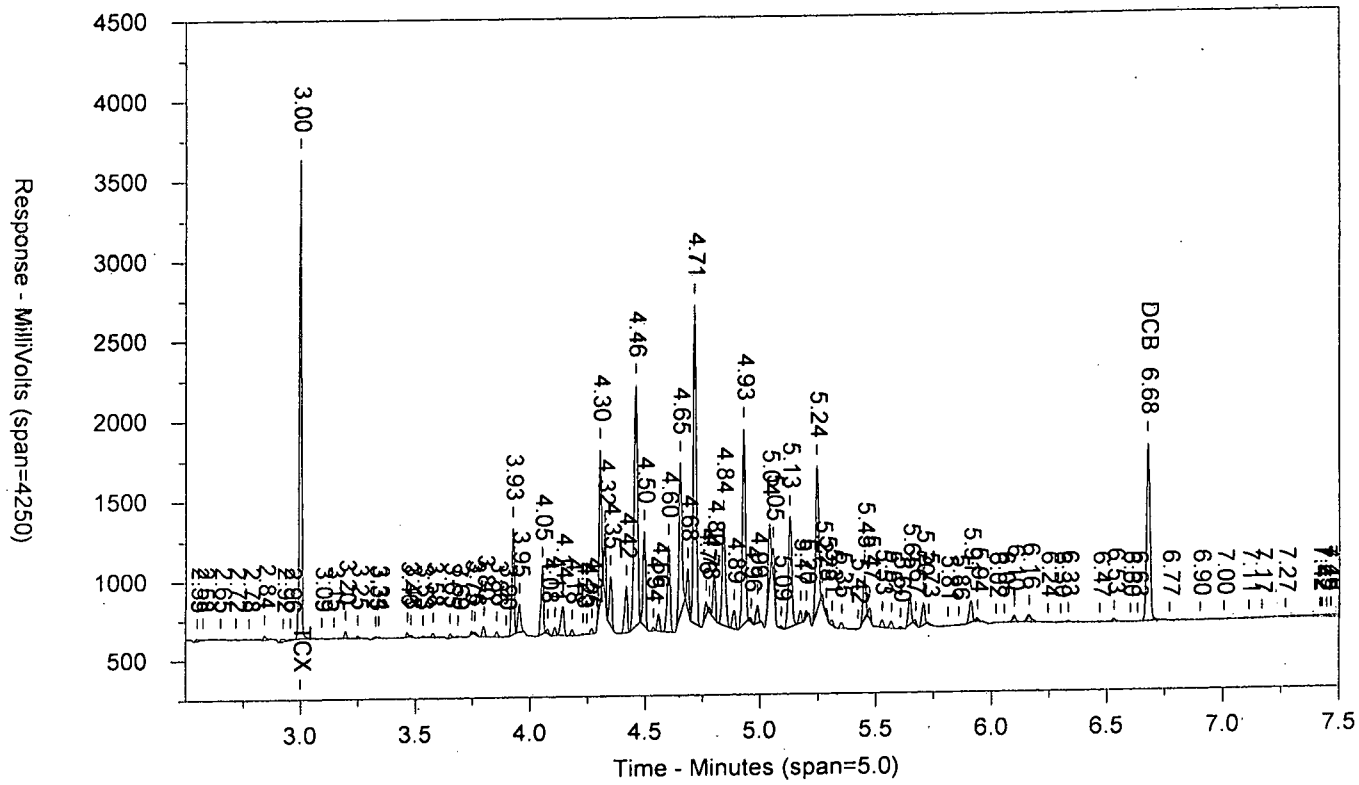

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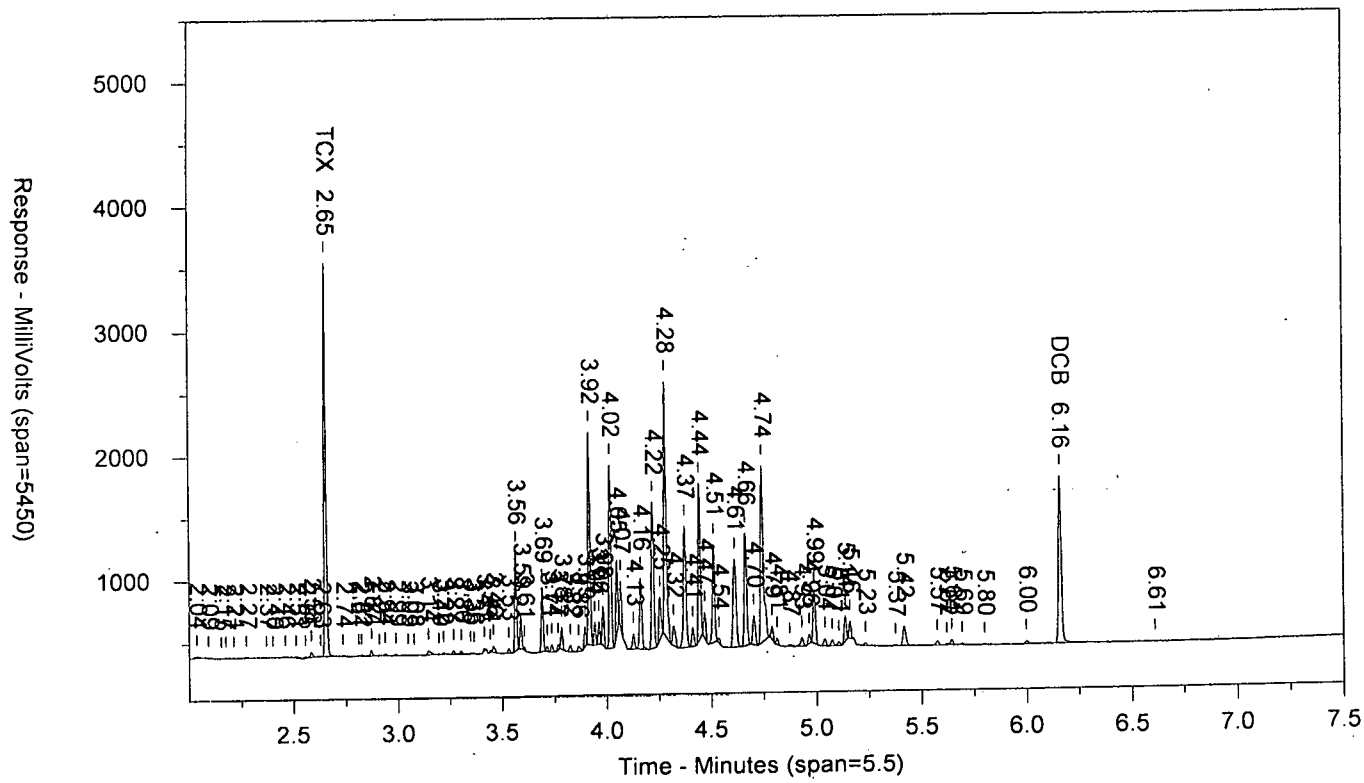

LANCASTER LABORATORIES

Sample Number: AR5431724B AAAR543AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:14:08 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.998	3006407	7.943	TCX	2.653	3156973	8.123	TCX
6.676	1129170	8.366	DCB	6.158	1356839	8.517	DCB

Files:
Area File: 07pcbs17250001.0021.RAW
Area File: 07pcbs17250001B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 2:22:52 AM
File Reported On: 9/8/2017 at 2:23:04 AM

AR5431724B AAAR543AA ICAL 1724999999 10736 SW-846 8082

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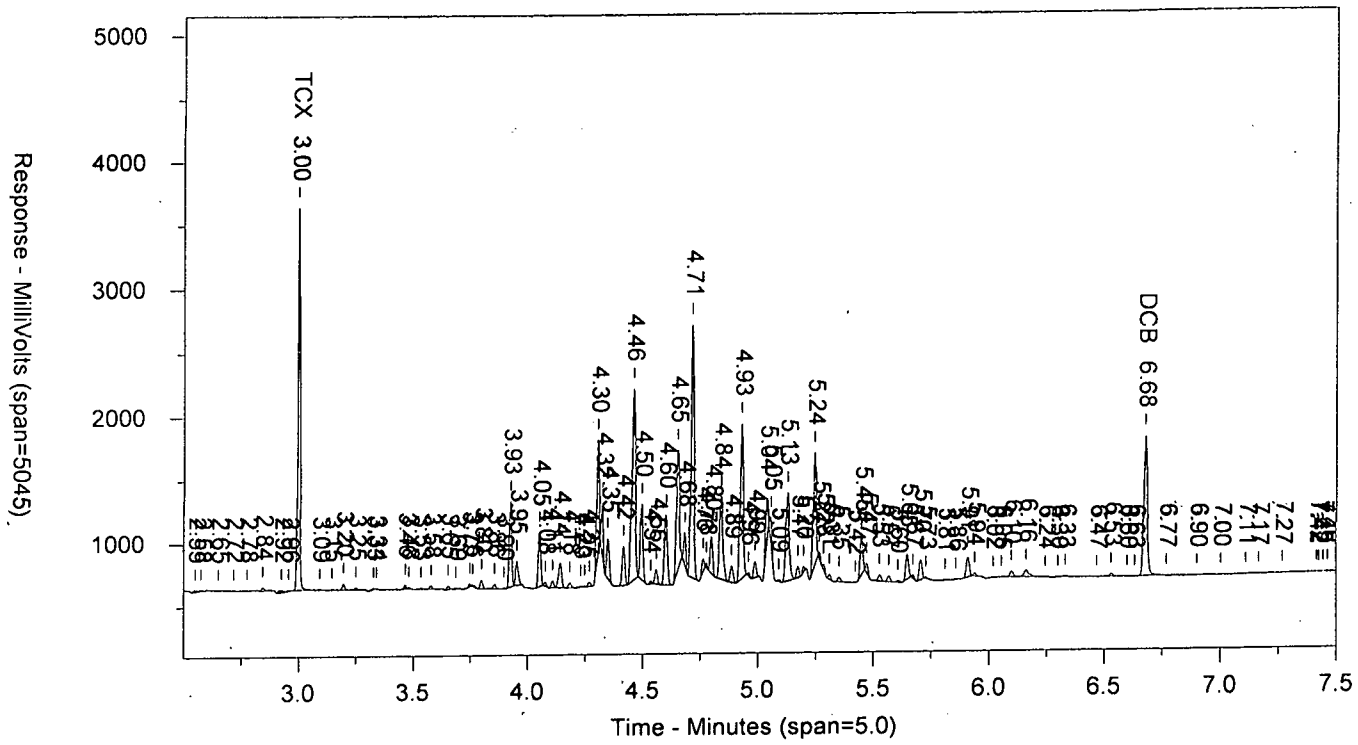

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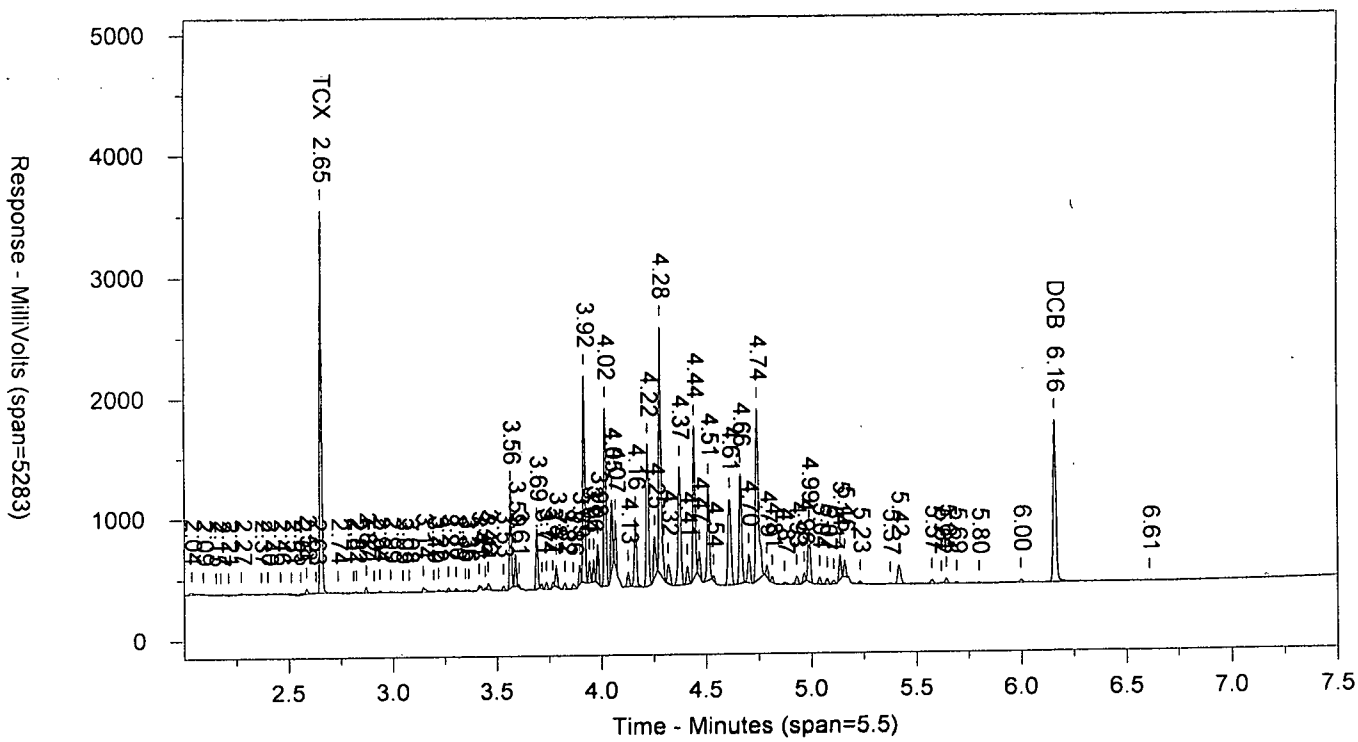

AR5431724B AAAR543AA ICAL 1724999999 10736 SW-846 8082

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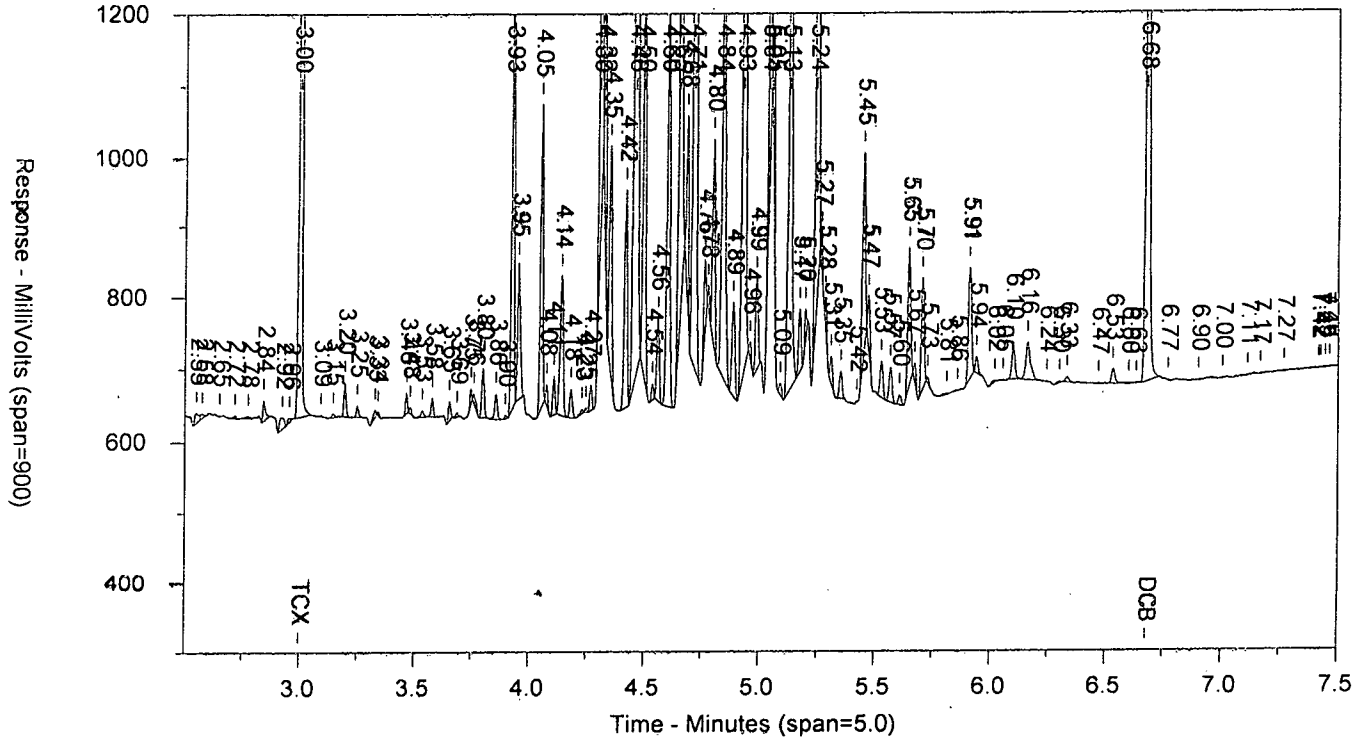

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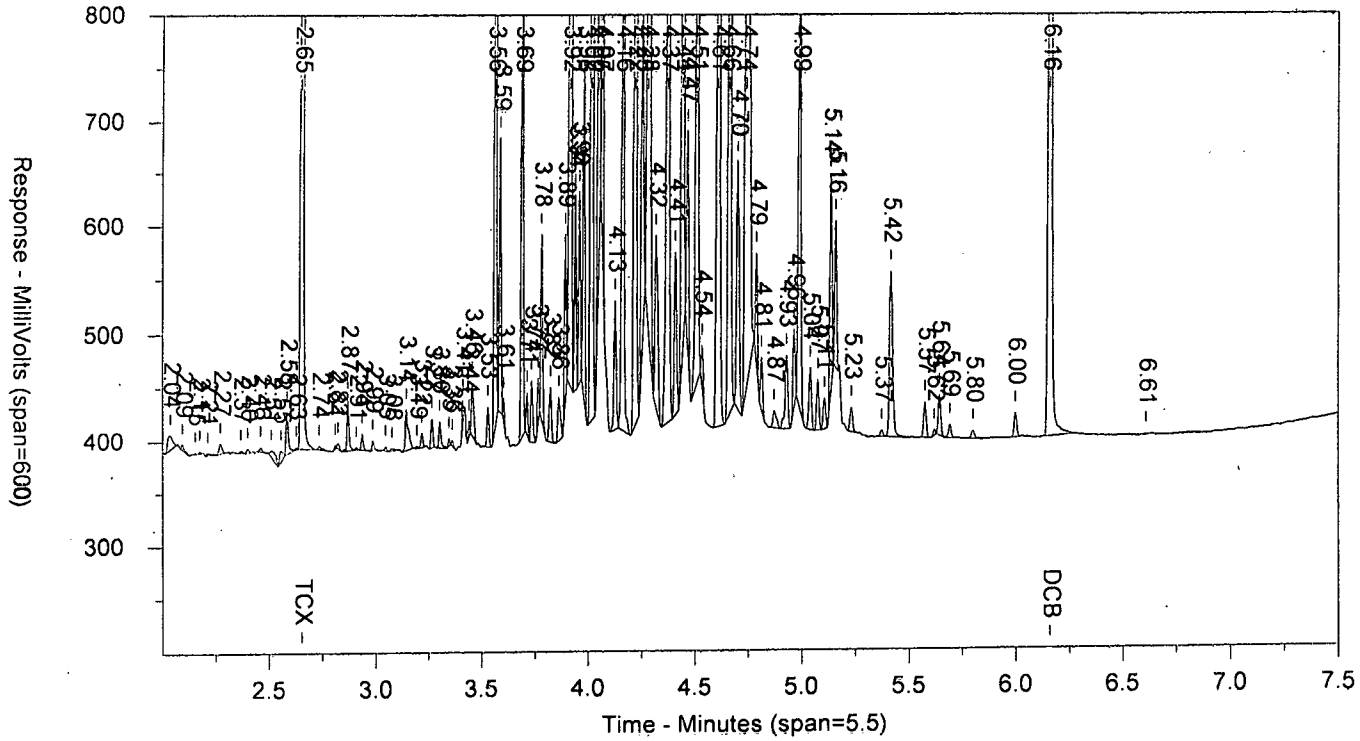


LANCASTER LABORATORIES

Sample Number: AR5441724B AAAR544AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:25:35 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.631		16883	18608
1.668		7029	15505
1.789		3281	2914
1.933		2490	1779
2.036		2310	3363
2.112		16610	32237
2.15		17401	24244
2.295		36490	29667
2.39		26642	19262
2.404		14222	8339
2.436		7669	8751
2.481		2841	1755
2.552		16814	20637
2.575		12786	15909
2.605		5577	4212
2.666		4043	3104
2.757		3708	2326
2.845		32759	25268
2.93		13872	19339
2.953		7431	6914
2.999	TCX	7208134	4608344
3.096		5366	4327
3.146		10871	9089
3.178		2840	1570
3.197		107918	72052
3.251		39023	28550
3.328		20660	15663
3.405		4929	4763
3.465		65854	39992
3.482		24897	13506
3.535		22935	18987
3.579		61564	42699
3.655		62996	43919
3.688		16302	9383
3.703		5484	2659
3.748		47079	26335
3.76		27044	27490
3.8		153396	123912
3.857		79636	58697
3.899		12593	7902
3.926		1471536	1094495
3.954		428573	419169
4.053		958151	709361
4.078		66496	41225
4.109		124220	88611
4.142		430907	416725
4.184		93752	75051
4.232		21908	19598
4.269		91945	65656
4.305		2148495	1477477
4.324		801681	472385
4.35		671977	566330
4.418		684290	579698

RT A	Compound A	Height A	Area A
4.461		3503381	3651752
4.496		1313016	1074448
4.537		51237	34144
4.559		243623	190112
4.602		1289379	1141837
4.653		2289712	1926079
4.684		582761	377251
4.714		4915957	4116712
4.764		236159	165698
4.779		86049	38130
4.799		651253	487396
4.82		3768	810
4.84		1549754	1476891
4.887		304162	265960
4.929		2876281	2720462
4.96		46151	28260
4.988		266028	221518
5.008		33893	18379
5.041		814126	623520
5.055		396916	212049
5.091		36067	27418
5.128		1664608	1714727
5.174		199866	147869
5.198		82082	54609
5.21		51087	30873
5.245		2164034	1931779
5.266		115244	55760
5.283		76520	53365
5.31		73911	56961
5.352		93459	103241
5.424		2926	1808
5.45		647831	541789
5.471		133884	92631
5.528		112095	96940
5.567		105137	95317
5.606		34524	29890
5.646		419478	394580
5.671		51987	35515
5.706		327957	304853
5.729		18632	11015
5.868		1495	971
5.91		334176	321762
5.938		49404	49748
6.011		2576	1823
6.099		98608	101251
6.162		118504	166375
6.333		17912	17992
6.531		51366	49886
6.568		2152	896
6.678	DCB	2560397	2655648
6.796		2137	1129
6.846		1236	368
6.857		1790	538
6.904		1827	454
6.926		1475	337
6.959		1534	473
6.987		1488	552
7.07		1398	896
7.094		1456	794
7.128		1104	176
7.17		1192	909
7.248		2092	660
7.255		1668	752
7.338		1303	418
7.438		1388	501
7.502		1449	730

RT A	Compound A	Height A	Area A
7.521		1546	419
7.584		1994	491
7.666		1500	508
7.726		1430	844
7.827		2144	902
7.836		1518	610
7.858		2317	473
7.946		1477	545
7.972		1422	577
8.075		1555	1211
8.219		2055	941
8.287		1779	444
8.298		1934	623
8.387		1571	767
8.433		1278	417
8.535		2160	986
8.583		1467	480
8.595		2860	796
8.648		2194	1119
8.663		2273	740

LANCASTER LABORATORIES

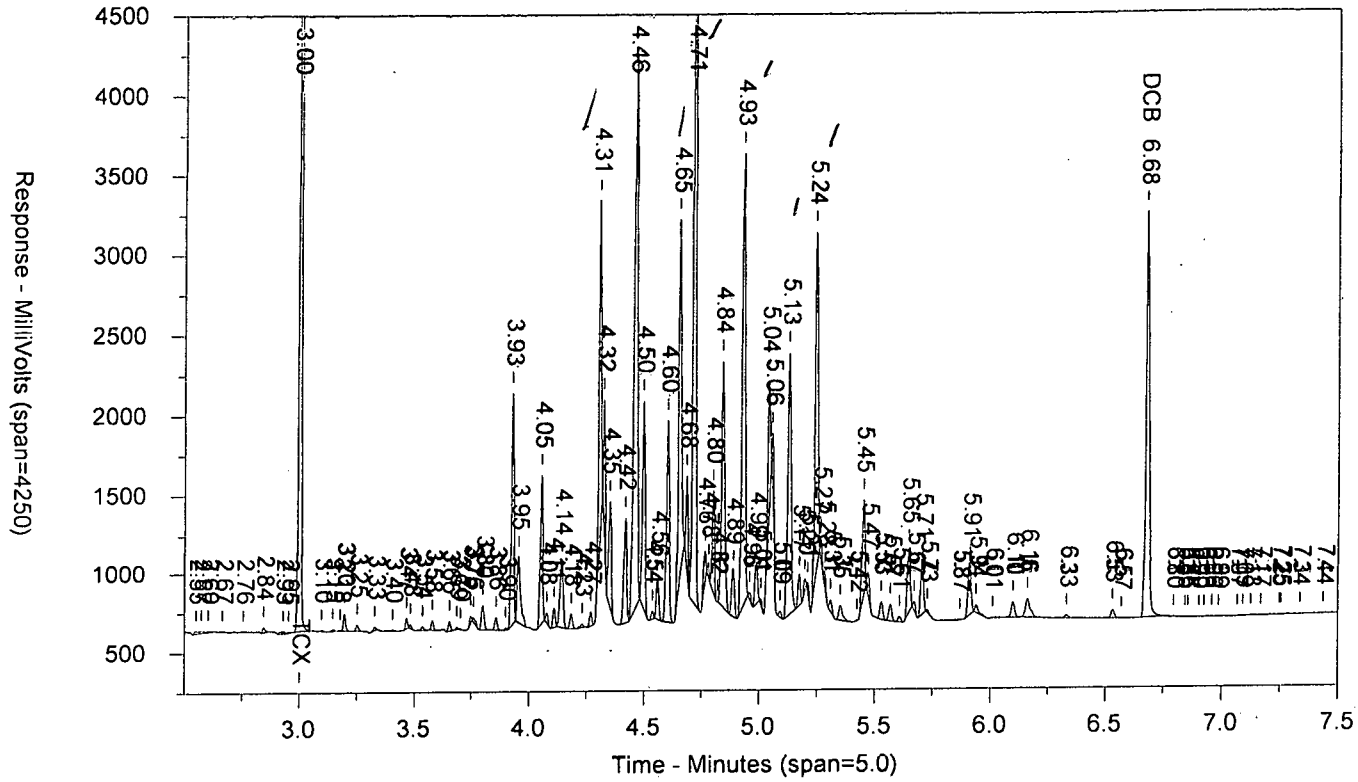
Sample Number: AR5441724B AAAR544AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:25:35 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.59		3190	2564
1.733		**2599**	**3050**
1.766		6661	7865
1.833		6548	8613
1.87		4283	4011
1.966		41933	45316
2.033		15736	28082
2.071		8049	6002
2.092		12706	8465
2.173		7406	7502
2.223		1604	2159
2.271		14953	12735
2.326		2146	2270
2.368		7856	5308
2.4		2428	2169
2.462		**10279**	**8399**
2.556		14033	13305
2.583		42652	32878
2.628		2607	1103
2.653	TCX	7384293	4504918
2.737		9821	10131
2.824		21523	18874
2.851		1777	783
2.87		107245	66732
2.91		7464	5648
2.937		35742	23921
2.987		22618	17660
3.047		5755	3397
3.077		6899	6756
3.144		82984	87273
3.195		5343	2904
3.218		28059	17121
3.238		5870	4128
3.266		63546	44267
3.303		57763	37379
3.348		16602	8590
3.363		10552	5134
3.393		3503	2041
3.413		53759	24130
3.423		29693	11658
3.443		34100	15120
3.457		111667	87998
3.531		87460	56306
3.564		1712740	1039006
3.588		580077	330075
3.605		53851	23592
3.648		2184	1581
3.69		1064468	681036
3.713		84989	46076
3.735		130305	89562
3.766		101070	51681
3.783		383622	231721
3.824		114210	89405
3.864		95450	80091

3.894		348286	203797
3.916		4052196	2647605
3.941		412233	232766
3.961		396737	220598
3.981		694613	420611
4.017		3524993	2364716
4.049		1301801	807394
4.066		808304	429328
4.127		273179	190899
4.162		1292408	952728
4.22		2807490	2028555
4.253		769917	567248
4.28		4899861	3584798
4.319		344847	332111
4.373		2287037	1871839
4.41		332221	250451
4.443		2929522	2103095
4.467		467659	298233
4.51		1793308	1366232
4.535		90278	51595
4.61		1627214	1598397
4.663		2093836	1661607
4.703		514145	431115
4.742		3372105	3131580
4.79		250225	154474
4.813		108673	70917
4.873		36071	41226
4.931		153866	139117
4.965		160305	107445
4.989		948824	744847
5.039		125160	103849
5.075		103584	80558
5.107		62119	52463
5.137		419449	315069
5.159		304058	271047
5.2		9155	4962
5.232		57172	50990
5.374		15567	11899
5.416		347137	354776
5.575		77125	67046
5.619		12405	7948
5.643		84239	70937
5.692		29439	25790
5.799		17008	13866
5.999		54619	49677
6.158	DCB	3025072	2780806
6.607		2506	1893
7.264		1312	1621
8.291		6087	10731

AR5441724B AAAR544AA ICAL 1724999999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0022.RAW



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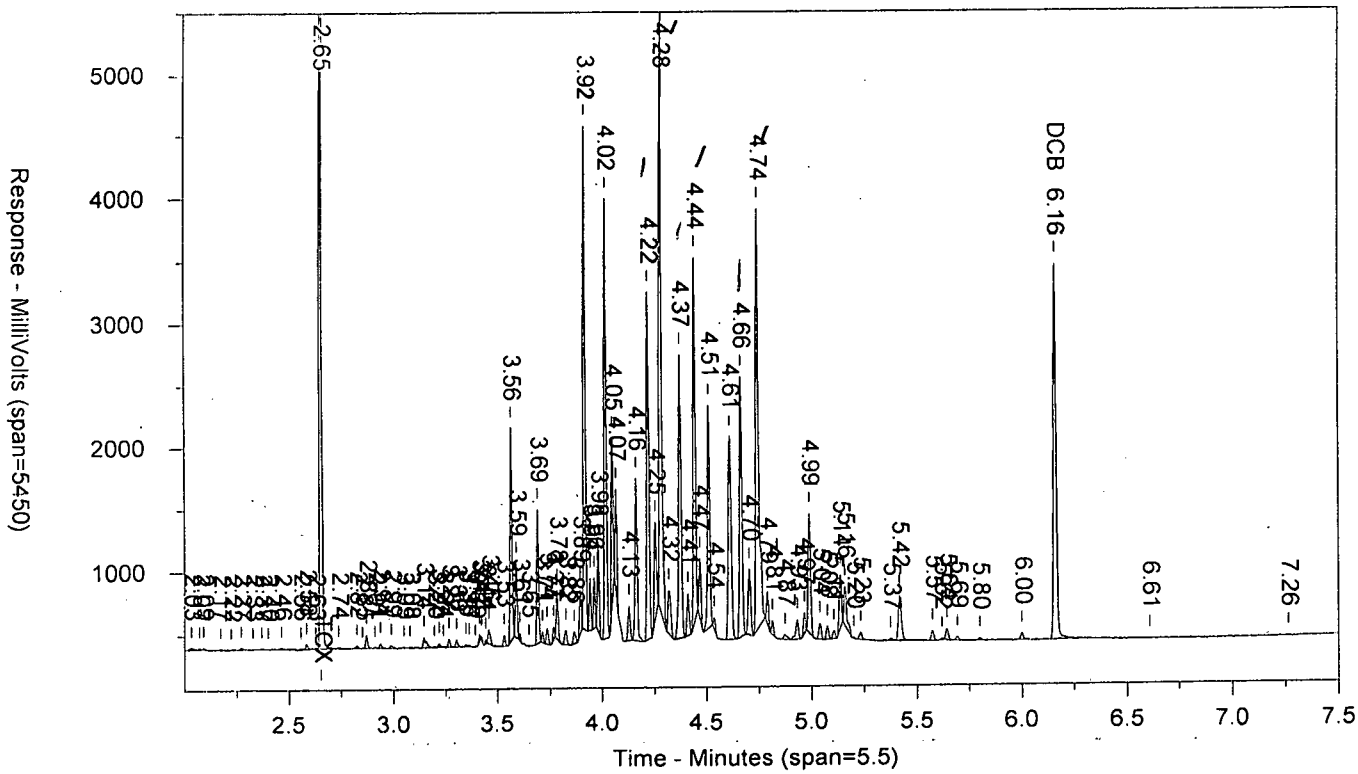

LANCASTER LABORATORIES

Sample Number: AR5441724B AAAR544AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:25:35 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	7208134	19.044	TCX	2.653	7384293	19.001	TCX
6.678	2560397	18.969	DCB	6.158	3025072	18.989	DCB

Files:
Area File: 07pcbs17250001.0022.RAW
Area File: 07pcbs17250001B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 2:34:21 AM
File Reported On: 9/8/2017 at 2:34:32 AM

AR5441724B AAAR544AA ICAL 1724999999 10736 SW-846 8082

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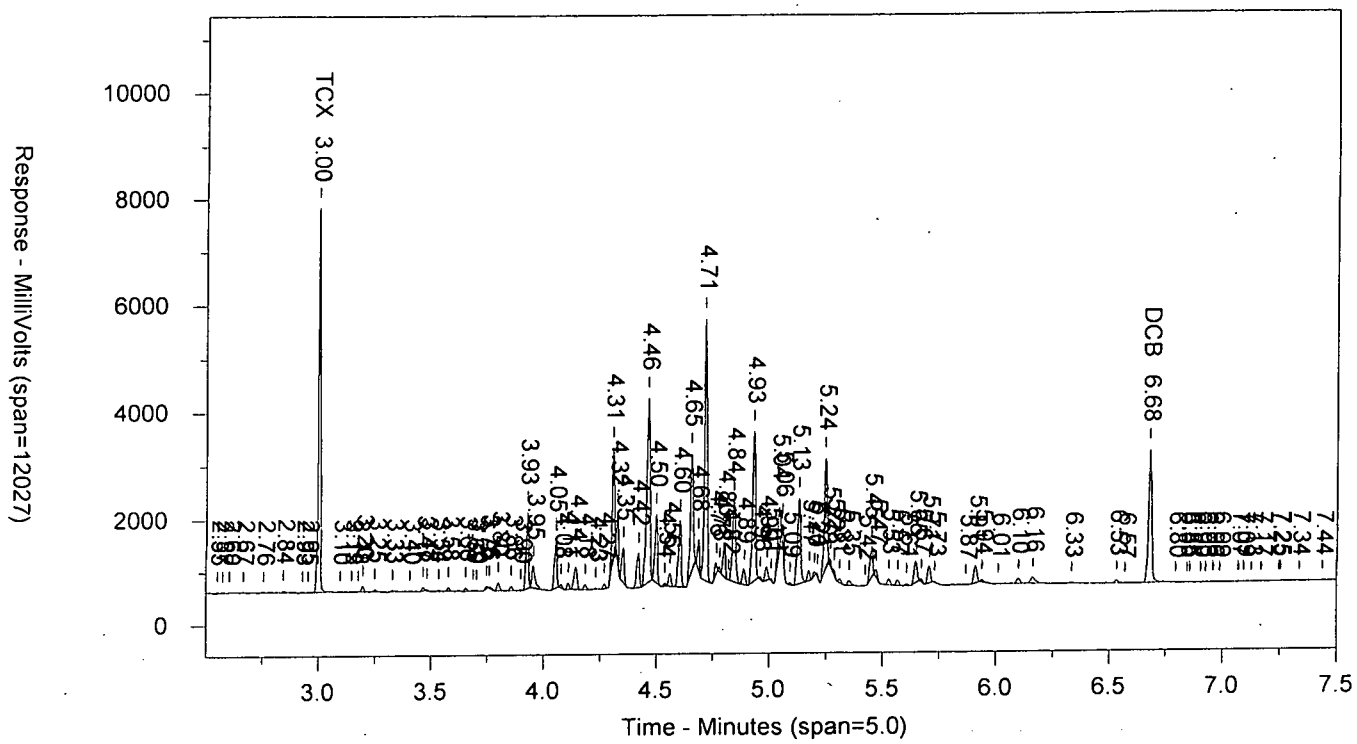

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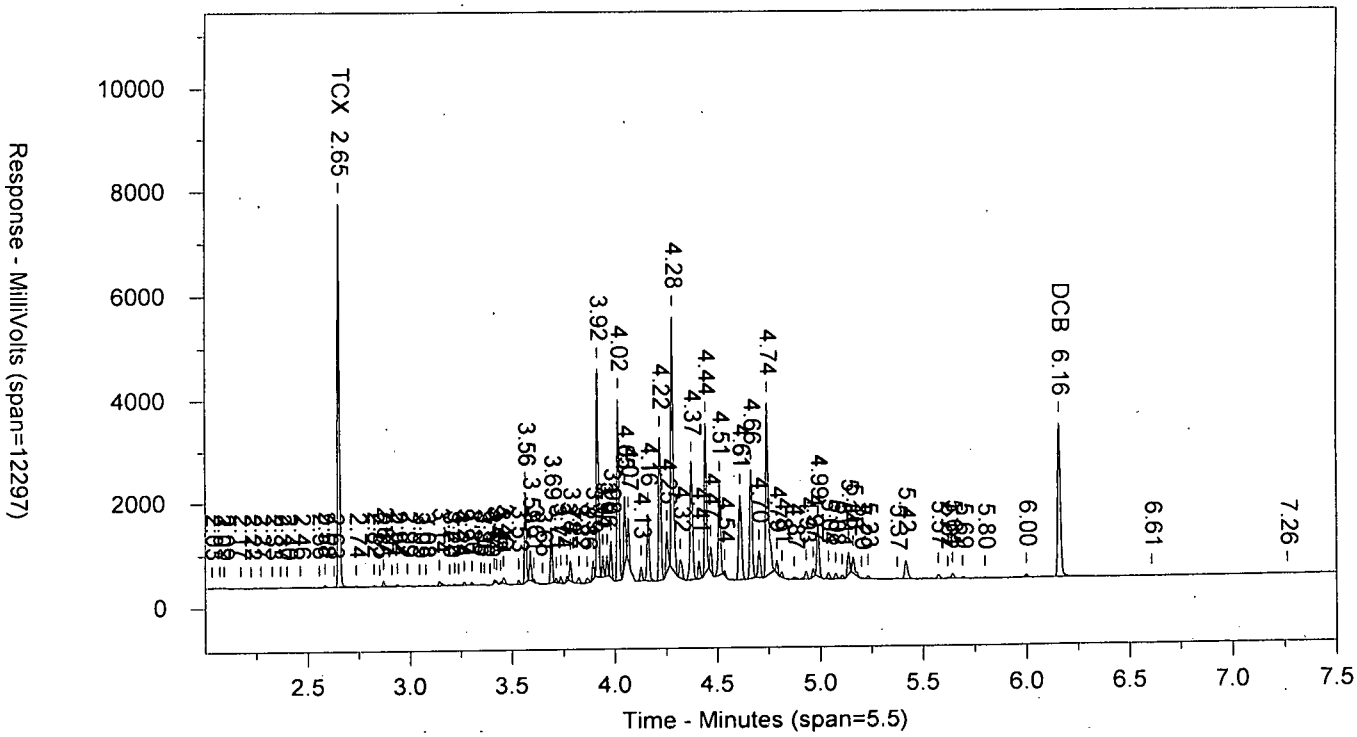

AR5441724B AAAR544AA ICAL 1724999999 10736 SW-846 8082

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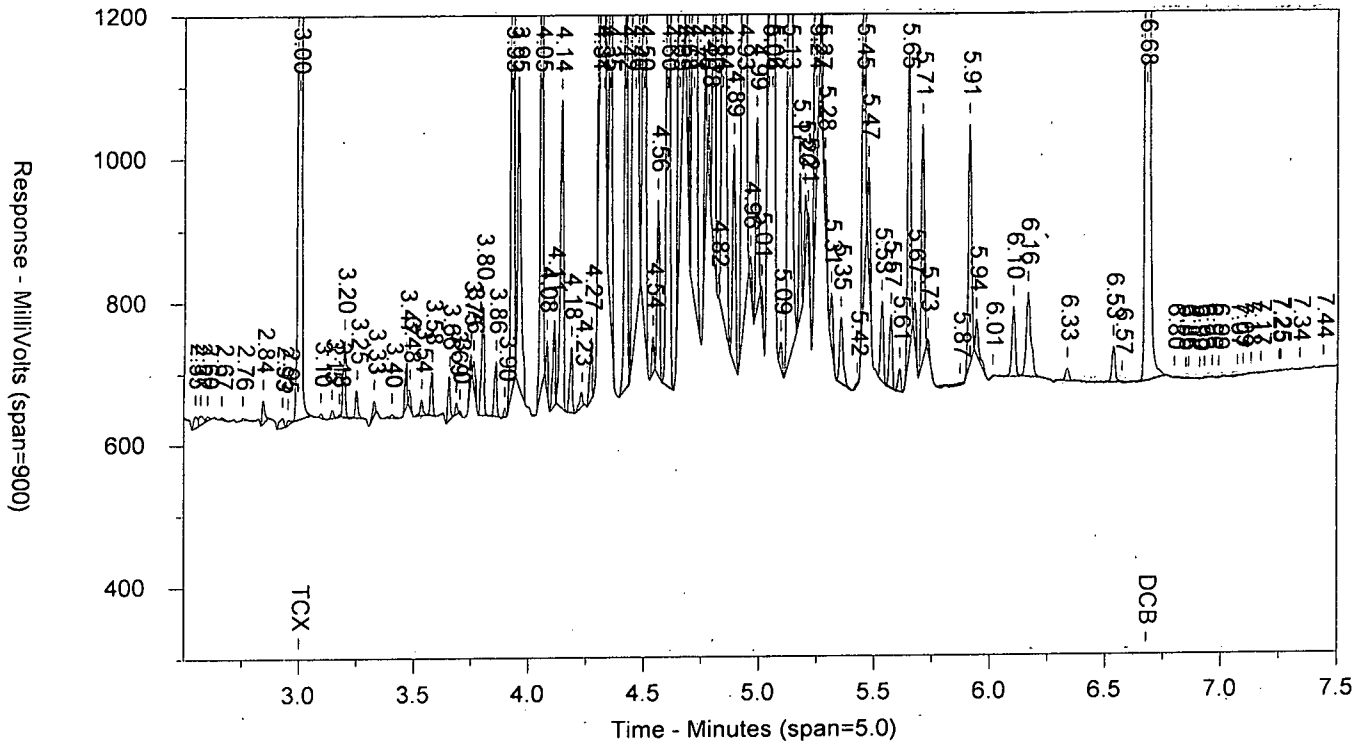

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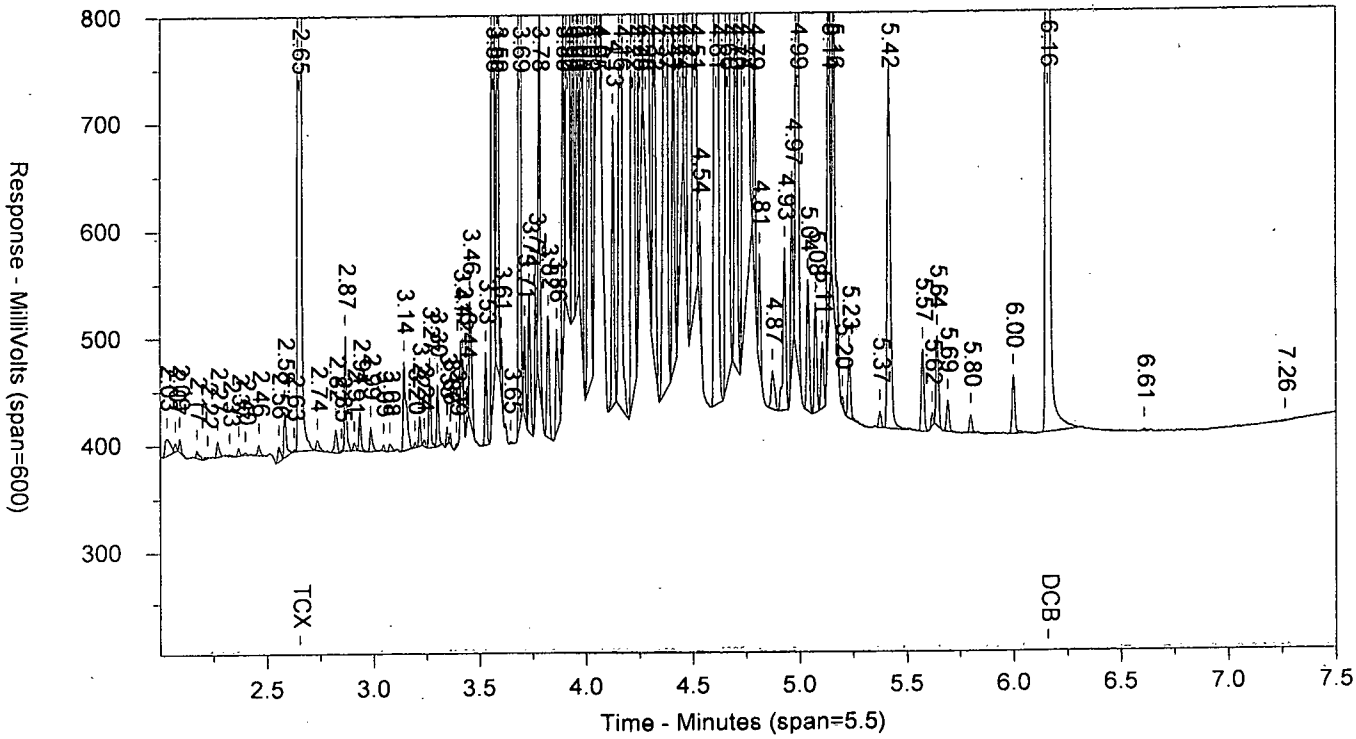

LANCASTER LABORATORIES

Sample Number: AR5451724B AAAR545AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:37:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.538		2424	1931
1.644		4642	12764
1.792		5639	6037
1.856		2344	1435
1.966		3666	3432
2.033		2488	3124
2.111		33417	56383
2.148		35812	69647
2.218		15062	37769
2.295		80007	93465
2.39		46991	39259
2.404		31800	22631
2.432		10503	12311
2.478		6367	3367
2.55		15034	15052
2.575		13801	16800
2.606		4281	3764
2.667		5503	4628
2.72		4618	2567
2.758		6379	5432
2.845		31768	28030
2.931		22910	37899
2.955		4083	3277
2.999	TCX	14983930	9559403
3.098		6252	4200
3.147		21282	17385
3.196		209323	146855
3.251		73168	52039
3.328		38572	24516
3.406		3500	2544
3.465		119956	73044
3.482		42722	23684
3.519		4961	2203
3.535		42352	28842
3.579		116037	81987
3.632		17780	15542
3.655		107071	74066
3.688		28840	16901
3.702		8098	4785
3.747		83465	48980
3.76		49787	48642
3.8		266251	221172
3.857		151364	112409
3.899		21875	13907
3.926		2906623	2061013
3.954		819495	776245
4.053		1847405	1330566
4.077		117922	73137
4.109		222408	159772
4.143		817640	765830
4.183		177450	143800
4.217		9345	4349
4.231		38247	22062

RT A	Compound A	Height A	Area A
4.269		172040	122666
4.305		4212779	2966333
4.324		1728034	956309
4.35		1366461	1078169
4.419		1320340	1091469
4.46		7016235	7187931
4.496		2578709	2083109
4.537		103769	66968
4.56		440508	359661
4.602		2489653	2185643
4.653		4650526	3930188
4.685		1102393	719202
4.714		10106780	8290049
4.764		449612	317823
4.778		140330	62638
4.799		1273402	945798
4.819		7689	1613
4.84		2994810	2877960
4.887		580475	520514
4.928		6146375	5516749
4.959		105923	71689
4.988		506428	416133
5.009		70674	42291
5.04		1757137	1231650
5.055		619294	369880
5.092		69843	53428
5.128		3479452	3479150
5.174		389234	298441
5.199		148012	96373
5.244		4371353	3899424
5.267		236185	117035
5.285		186444	103514
5.311		151724	110185
5.353		178294	199050
5.424		9211	4843
5.451		1234592	1041450
5.471		283663	186942
5.502		7403	2554
5.528		206476	179808
5.567		191293	180821
5.607		60955	53500
5.646		888702	791340
5.672		110476	74869
5.706		656811	587658
5.73		29416	18763
5.866		1610	1191
5.91		623519	599454
5.94		93982	95382
6.012		6798	7256
6.039		1668	314
6.099		176799	173248
6.162		205877	288275
6.293		1683	1752
6.332		35014	36203
6.464		1440	366
6.5		1744	517
6.533		99862	98973
6.597		1895	912
6.679	DCB	4971135	5030995
6.829		2232	1246
7.215		1069	276
7.261		1140	537
7.298		1304	364
7.353		1241	763
7.422		2278	777
7.44		1379	516

RT A	Compound A	Height A	Area A
7.458		1497	349
7.515		2220	1352
7.541		2255	359
7.741		2081	538
7.816		1206	309
7.947		1504	837
7.984		1695	1272
8.003		1744	710
8.028		1366	435
8.062		1474	1591
8.073		1811	486
8.13		1630	1242
8.201		1148	943
8.233		2301	478
8.265		965	376
8.349		1504	611
8.407		1719	407
8.486		2237	654
8.54		1679	814
8.63		1772	534
8.647		2187	726
8.678		2731	1780

LANCASTER LABORATORIES

Sample Number: AR5451724B AAAR545AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:37:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.553		6175	4717
1.588		6007	5252
1.657		7397	6095
1.761		11033	10478
1.834		17189	22349
1.865		10523	13842
1.925		2962	2377
1.966		83803	85443
2.031		16904	27149
2.071		11955	8944
2.092		25822	17102
2.172		11255	11159
2.271		17350	15763
2.328		2054	2479
2.367		9379	6790
2.4		4124	2990
2.462		11930	11221
2.512		10574	24955
2.556		20709	21659
2.584		39305	29802
2.627		3296	1879
2.653	TCX	15554700	9294398
2.738		9083	8794
2.824		33730	30032
2.849		2587	1178
2.871		205564	130798
2.91		6780	4924
2.937		67062	43759
2.987		42101	30961
3.048		13126	8406
3.079		6384	6303
3.144		151870	155421
3.195		10217	5405
3.218		49378	30337
3.239		7315	4392
3.266		115552	74242
3.303		102756	65397
3.33		12066	5613
3.348		30328	15704
3.363		14372	7276
3.392		4109	2047
3.413		90678	44110
3.423		54741	22291
3.443		59927	28098
3.458		195951	153934
3.531		164663	104657
3.565		3375739	2002711
3.588		1091231	618137
3.606		99223	43463
3.624		18351	9411
3.691		2142087	1317262
3.714		164679	88558
3.736		251234	170218
3.766		173357	92574

3.783		722487	445763
3.824		215792	169256
3.865		175620	149244
3.895		656904	380386
3.916		8055515	5142796
3.942		787316	446534
3.961		757631	417595
3.981		1348939	804680
4.016		6850446	4581681
4.049		2586622	1564495
4.066		1570670	826240
4.127		513124	352014
4.163		2434028	1791834
4.219		5481992	4009225
4.254		1489410	1106870
4.28		9771787	7065635
4.319		674070	635664
4.373		4454693	3624517
4.41		651225	483316
4.443		5995598	4211799
4.467		914043	583059
4.51		3583198	2670326
4.536		177989	103540
4.61		3039625	3131388
4.663		4386771	3394709
4.703		1004847	827225
4.743		6756052	6266166
4.789		478212	298648
4.814		207947	140096
4.873		68856	77089
4.914		13150	8049
4.931		269541	202658
4.965		302697	208334
4.989		1902211	1467096
5.04		236233	198214
5.075		194769	153657
5.107		119845	98092
5.137		901172	641104
5.159		588610	378006
5.176		80281	37400
5.2		15381	8832
5.232		91750	80411
5.349		2440	1633
5.374		28289	23001
5.417		661737	681025
5.516		2770	2385
5.575		141710	118483
5.62		23425	15557
5.644		153828	125882
5.692		51883	44602
5.8		32358	32186
5.952		1740	1468
6		107748	89830
6.159	DCB	5753072	5435096
6.609		4637	6148
8.294		5914	9500

AR5451724B AAAR545AA ICAL 1724999999 10736 SW-846 8082

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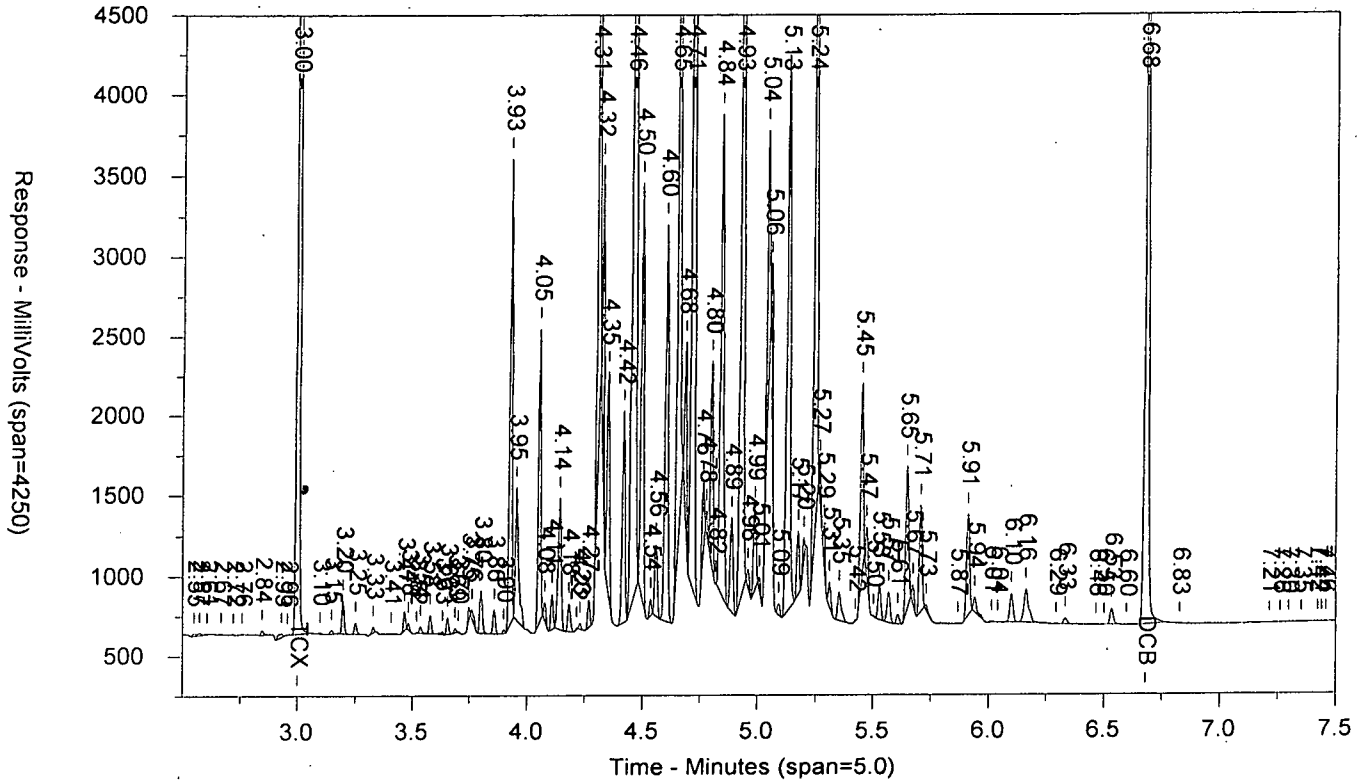

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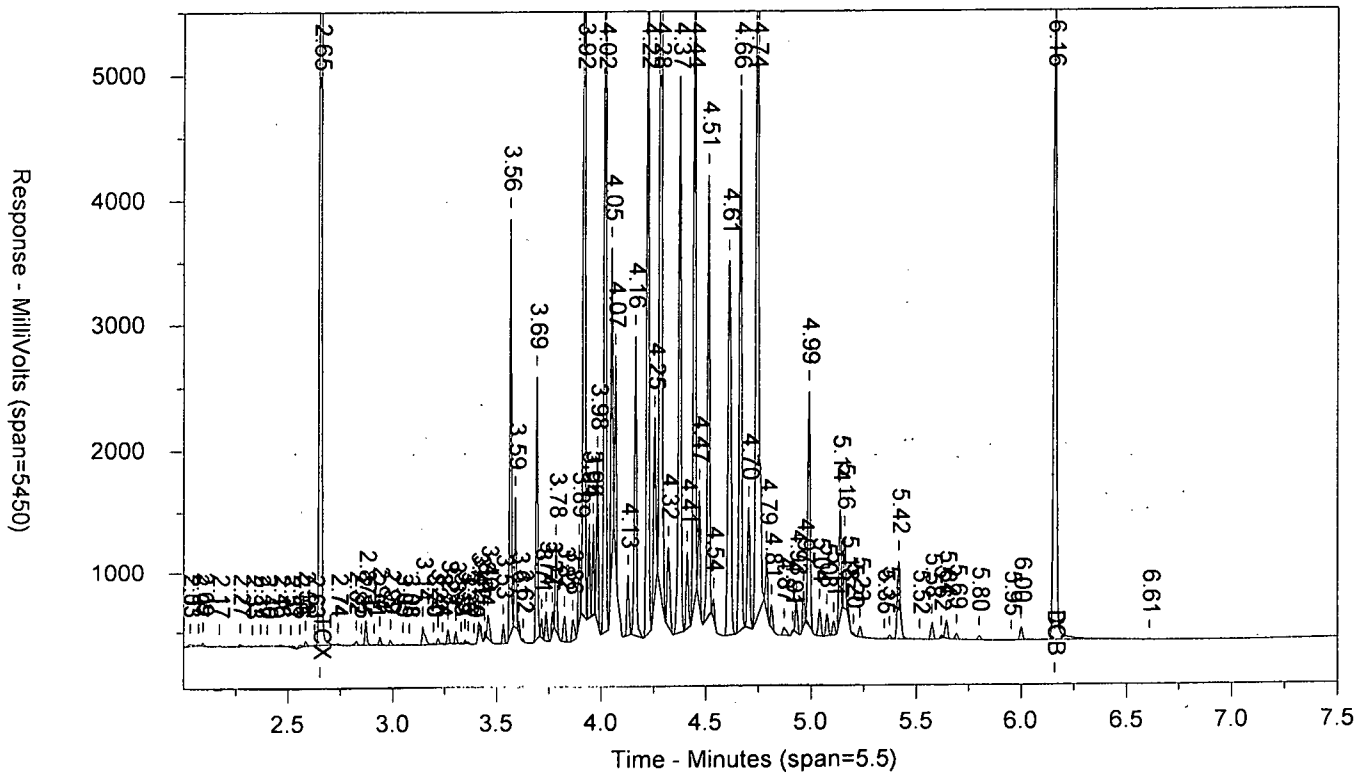

LANCASTER LABORATORIES

Sample Number: AR5451724B AAAR545AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:37:02 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	14983930	39.587	TCX	2.653	15554700	40.025	TCX
6.679	4971135	36.829	DCB	6.159	5753072	36.114	DCB

Files:
Area File: 07pcbs17250001.0023.RAW
Area File: 07pcbs17250001B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 2:45:46 AM
File Reported On: 9/8/2017 at 2:45:52 AM

AR5451724B AAAR545AA ICAL 1724999999 10736 SW-846 8082

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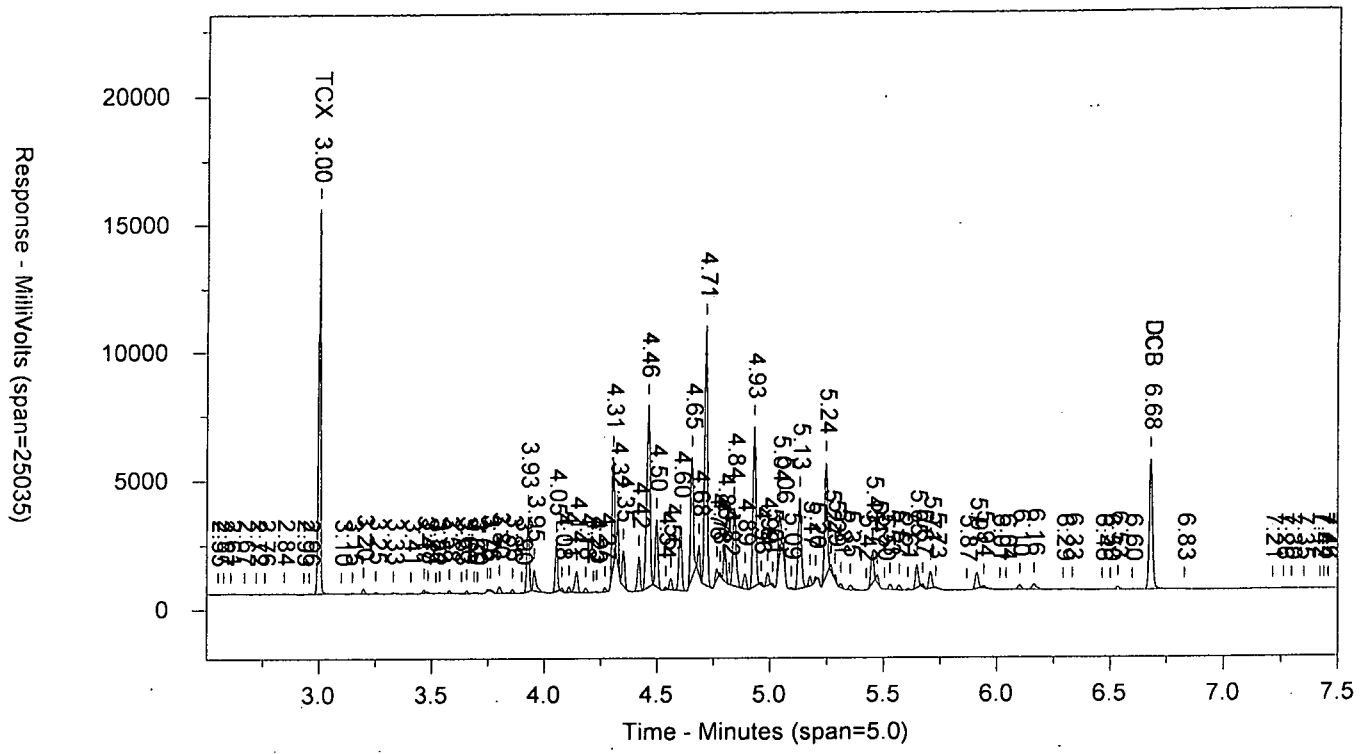

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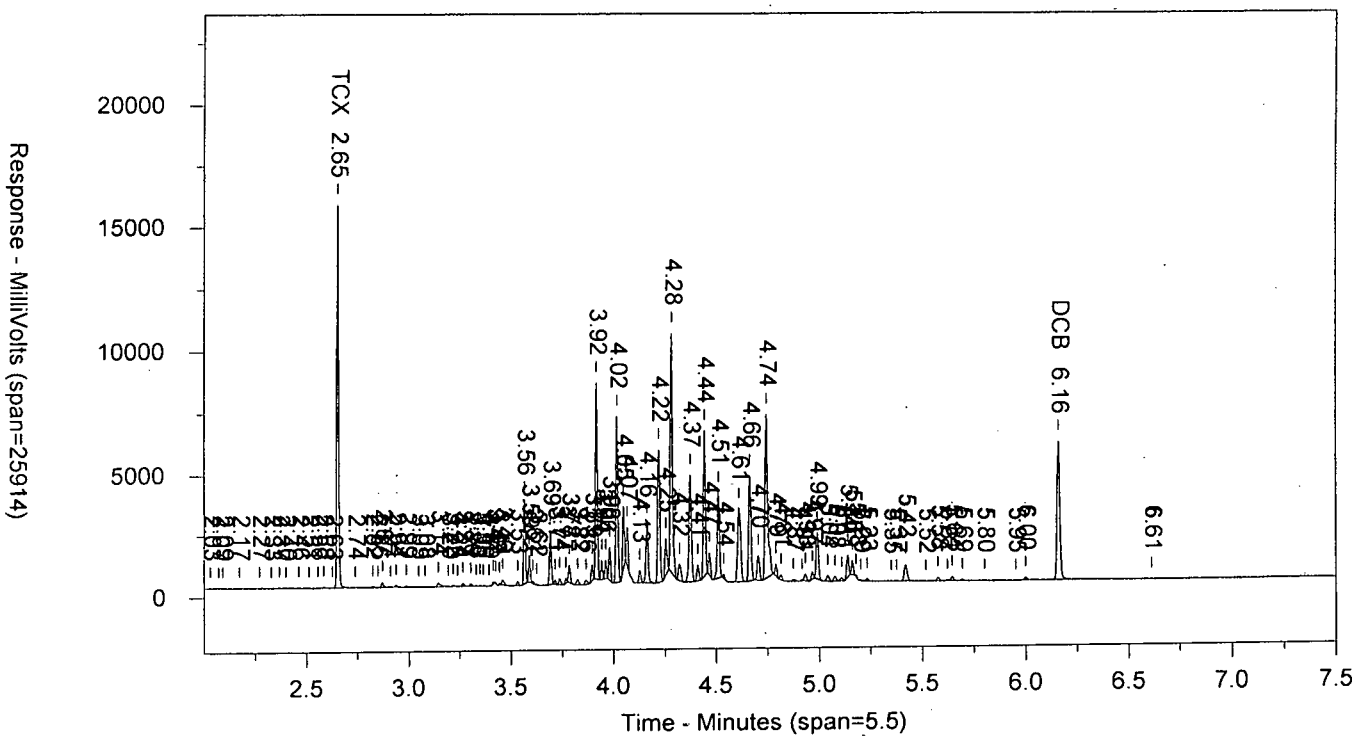

AR5451724B AAAR545AA ICAL 1724999999 10736 SW-846 8082

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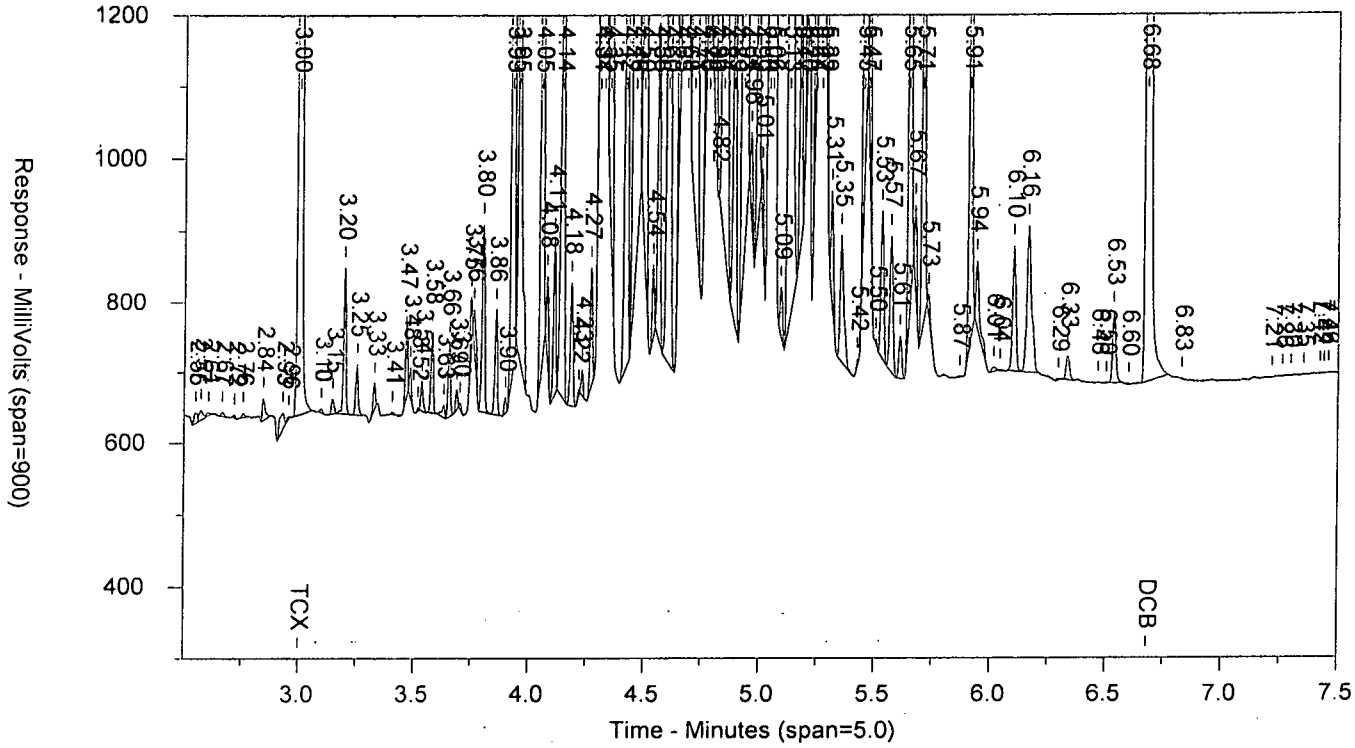

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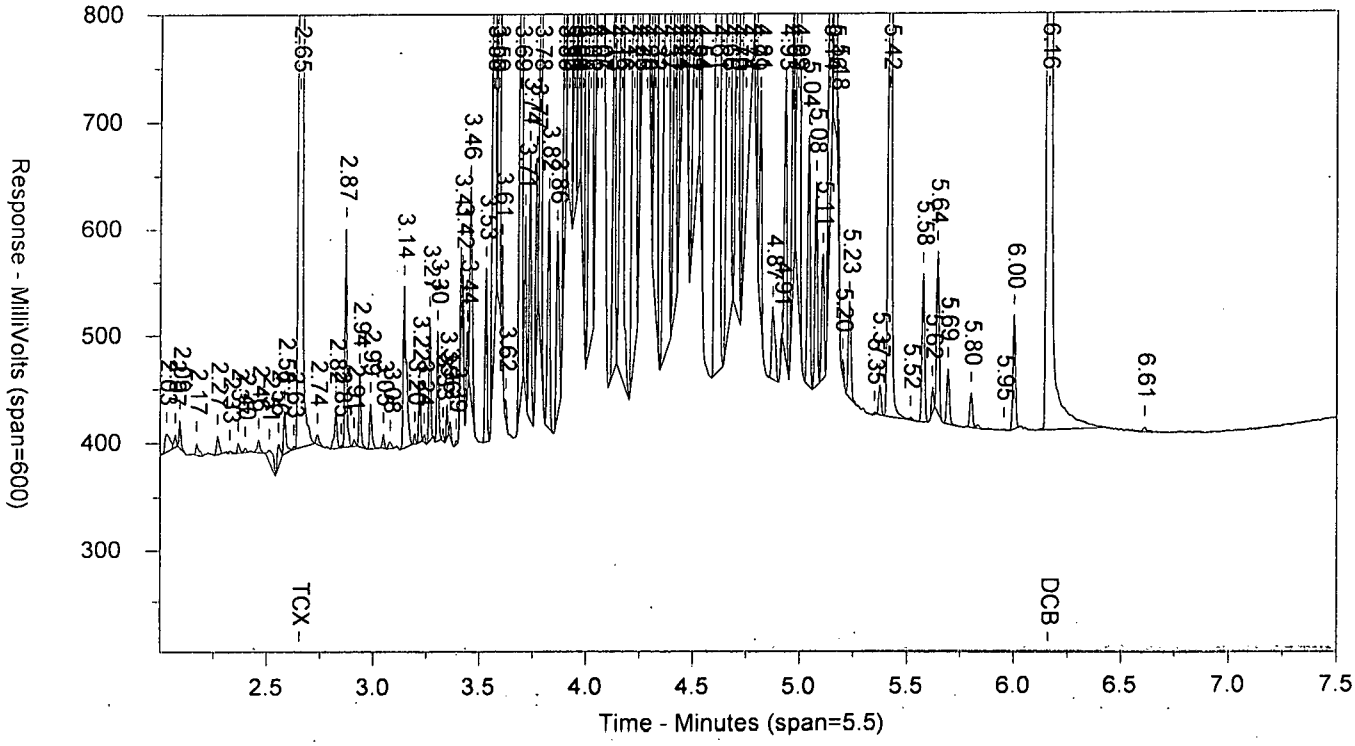

LANCASTER LABORATORIES

Sample Number: AR5461724A AAAR546AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:48:19 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.632		8969	8213
1.931		1587	1244
2.111		19015	29020
2.147		6954	5449
2.219		3491	2640
2.294		135414	96624
2.39		36328	23267
2.403		55127	36837
2.433		8052	8912
2.494		3303	2778
2.551		9580	9527
2.603		2468	1021
2.635		3170	2328
2.718		4994	3455
2.844		23409	17706
2.924		12000	17753
2.957		4710	5242
2.999	TCX	30766570	19109910
3.146		44960	38187
3.196		391256	271973
3.25		128635	88047
3.327		76612	48186
3.343		13695	5873
3.44		2458	1416
3.465		225676	136877
3.482		79517	43374
3.518		9317	4718
3.534		82265	57192
3.579		216573	156536
3.632		22108	13934
3.654		203035	137144
3.688		51973	30129
3.703		20608	9713
3.747		161605	92272
3.759		96957	97142
3.799		514055	422518
3.857		280503	213975
3.898		45380	27887
3.925		5491853	3967661
3.953		1464877	1463555
4.002		13212	7220
4.052		3513542	2560998
4.077		235569	143661
4.108		428080	300964
4.142		1546094	1452996
4.183		325914	271379
4.218		11696	7032
4.23		71961	45449
4.269		309256	228306
4.305		8461865	5837564
4.323		3402602	1896780
4.349		2666400	2113061
4.418		2527993	2077034

RT A	Compound A	Height A	Area A
4.46		14032430	14198510
4.495		5068641	4074068
4.537		192578	128579
4.559		894669	673924
4.601		4872663	4265336
4.652		9551047	7983428
4.684		2331626	1516537
4.714		20573340	16830260
4.763		928048	637689
4.777		294618	125748
4.798		2508232	1897319
4.819		15319	4290
4.84		5863007	5659735
4.886		1173986	1026703
4.928		12614900	11366690
4.959		222046	144158
4.987		1018308	801064
5.008		167160	97804
5.039		3561342	2614888
5.054		1336718	794224
5.091		145982	108731
5.127		7383292	7231875
5.172		764969	581557
5.197		303763	188879
5.209		247639	133052
5.244		9315971.	8124115
5.266		583281	284539
5.284		350098	213468
5.309		257741	196226
5.352		337674	387640
5.449		2574004	2114751
5.471		548227	361584
5.501		16368	8048
5.527		383490	335708
5.566		352950	337687
5.605		123200	109227
5.645		1800466	1578126
5.67		221849	156650
5.705		1322137	1134143
5.729		72333	49522
5.792		1940	1125
5.848		1838	298
5.908		1193588	1110160
5.938		187110	194183
6.004		14384	14890
6.098		348631	332125
6.162		407614	577109
6.287		1834	1277
6.331		69760	70243
6.376		4789	3907
6.462		3820	3214
6.483		812	292
6.498		2561	1260
6.531		180630	191383
6.676	DCB	10245040	10008340
6.799		3371	3080
6.922		1071	270
6.938		2229	868
7.016		1724	482
7.026		2180	1532
7.077		1260	337
7.13		5394	6304
7.225		1185	303
7.367		2108	687
7.378		1933	690
7.44		1613	425

RT A	Compound A	Height A	Area A
7.455		1808	536
7.599		2086	943
7.621		1687	1021
7.746		1836	704
7.827		2375	794
7.854		1363	1124
8.052		1856	388
8.091		1722	725
8.145		1569	840
8.179		1617	777
8.272		1338	1072
8.337		1689	421
8.381		2005	489
8.409		1421	561
8.528		2231	515
8.554		2231	1145
8.624		1217	693

LANCASTER LABORATORIES

Sample Number: AR5461724A AAAR546AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:48:19 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.589		4350	4132
1.655		2499	2044
1.76		4649	6022
1.833		10811	13548
1.967		137813	120858
2.031		13301	20123
2.093		54900	36418
2.184		4893	6589
2.225		2894	3895
2.271		9685	9281
2.339		2095	1885
2.368		2554	1881
2.401		3400	3613
2.46		3930	4484
2.51		5193	11657
2.555		8457	9698
2.584		33987	25287
2.627		2633	1439
2.653	TCX	30356200	18622980
2.825		52776	41618
2.851		4336	1785
2.871		395343	254490
2.937		131328	86432
2.987		80763	47571
3.024		3021	1741
3.048		21947	13682
3.076		2602	4615
3.144		284969	283294
3.195		18892	10388
3.217		93734	58820
3.24		10680	5599
3.266		215263	143150
3.303		201732	126495
3.329		26619	13033
3.348		59798	30503
3.363		26561	12249
3.391		2085	1149
3.413		186133	87231
3.422		115993	42396
3.442		113664	53519
3.457		387646	298223
3.53		306843	200745
3.564		6353509	3826599
3.587		2075661	1174397
3.605		194555	85901
3.623		34387	17913
3.69		4016660	2526896
3.713		303278	163018
3.735		463617	319023
3.766		335228	173641
3.783		1416234	855715
3.824		416547	321528
3.864		326634	285911
3.895		1248115	718680

3.916		15708280	9997699
3.941		1570643	880990
3.961		1418360	782522
3.98		2537939	1520914
4.017		13221060	8938417
4.049		5144371	3114455
4.066		3061468	1597287
4.127		941701	668027
4.162		4806521	3480977
4.219		11099250	7921008
4.252		3093335	2232278
4.28		19445050	14014380
4.319		1253055	1207234
4.372		8784515	7098559
4.41		1235907	937083
4.442		12373430	8458501
4.467		1778004	1146024
4.51		7197716	5236917
4.535		367523	220907
4.609		6255371	6152193
4.662		8856384	6900847
4.703		1918344	1621362
4.742		13400100	12430280
4.789		919946	585848
4.813		401325	273864
4.873		135829	146040
4.913		29876	15360
4.93		539069	396141
4.964		586511	396344
4.988		3726877	2917287
5.039		435063	373272
5.074		365098	292557
5.106		238669	194346
5.136		1793387	1301211
5.158		1135305	729634
5.176		158663	77141
5.2		30335	17946
5.232		197381	167890
5.293		4641	3781
5.349		4261	2805
5.374		57529	44773
5.416		1311100	1302324
5.518		12746	13242
5.574		264017	232217
5.619		44532	30115
5.642		288856	242843
5.691		105700	91840
5.799		63213	51368
5.831		4079	3537
5.998		197805	168970
6.051		2791	1688
6.158	DCB	11593220	10627740
6.606		8066	9349
7.77		1292	2987
8.291		6894	14063

AR5461724A AAAR546AA ICAL 1724999999 10736 SW-846 8082

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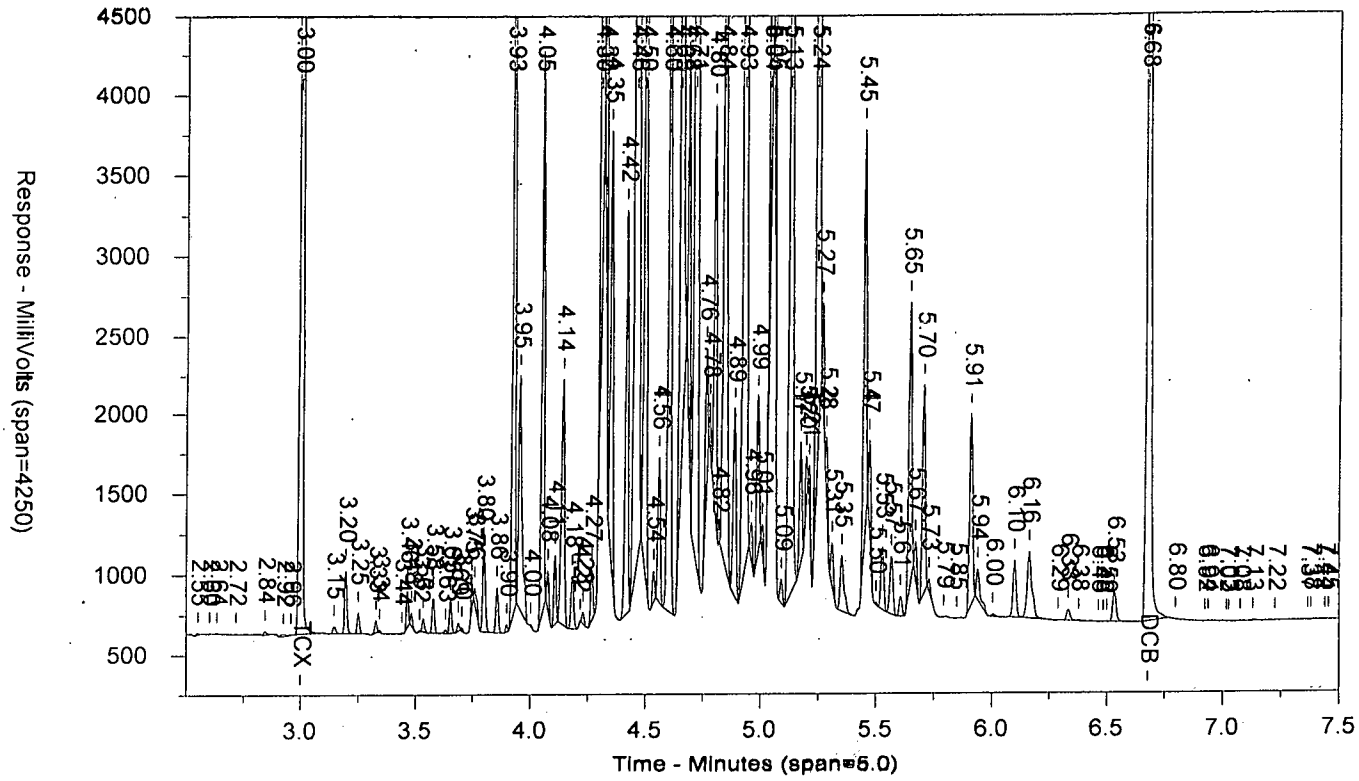

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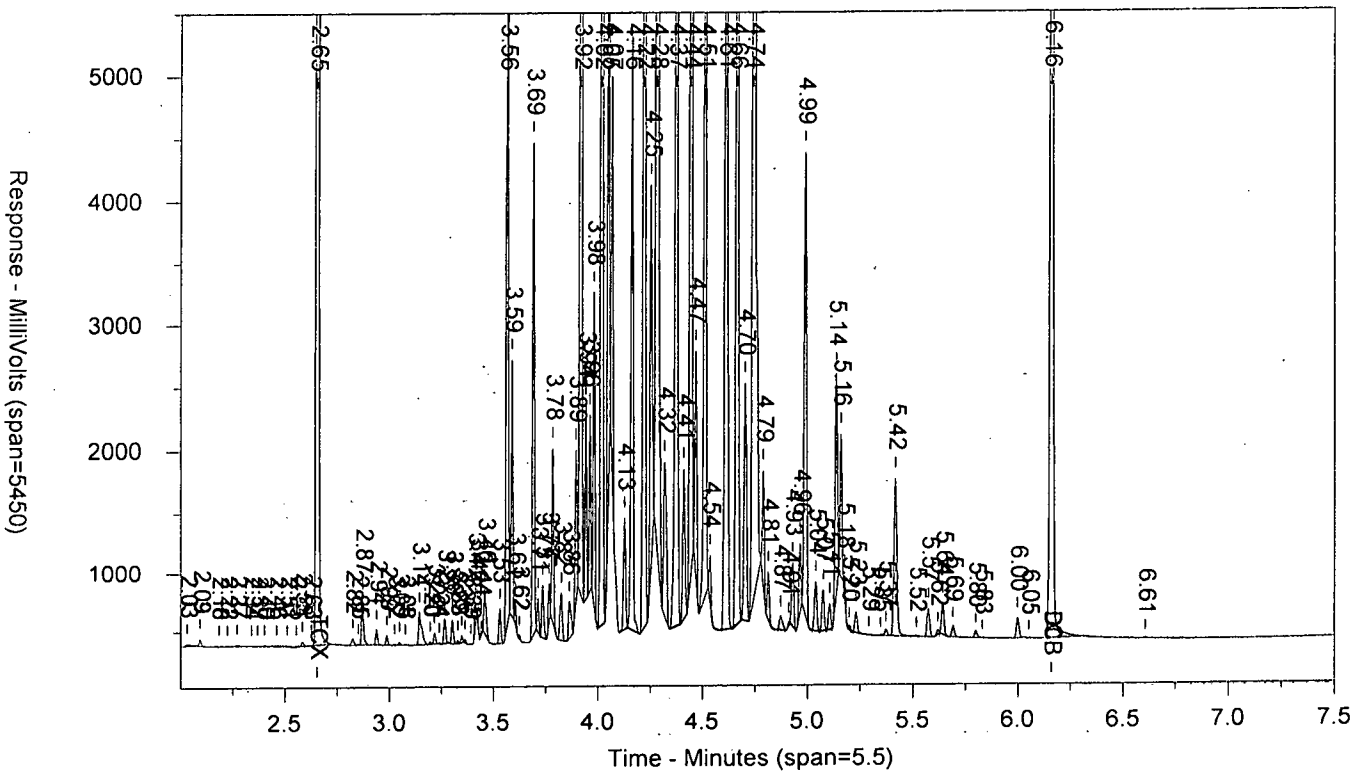

LANCASTER LABORATORIES

Sample Number: AR5461724A AAAR546AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:48:19 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	30766570	81.285	TCX	2.653	30356200	78.112	TCX
6.676	10245040	75.901	DCB	6.158	11593220	72.774	DCB

Files:
Area File: 07pcbs17250001.0024.RAW
Area File: 07pcbs17250001B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 2:57:01 AM
File Reported On: 9/8/2017 at 2:57:14 AM

AR5461724A AAAR546AA ICAL 1724999999 10736 SW-846 8082

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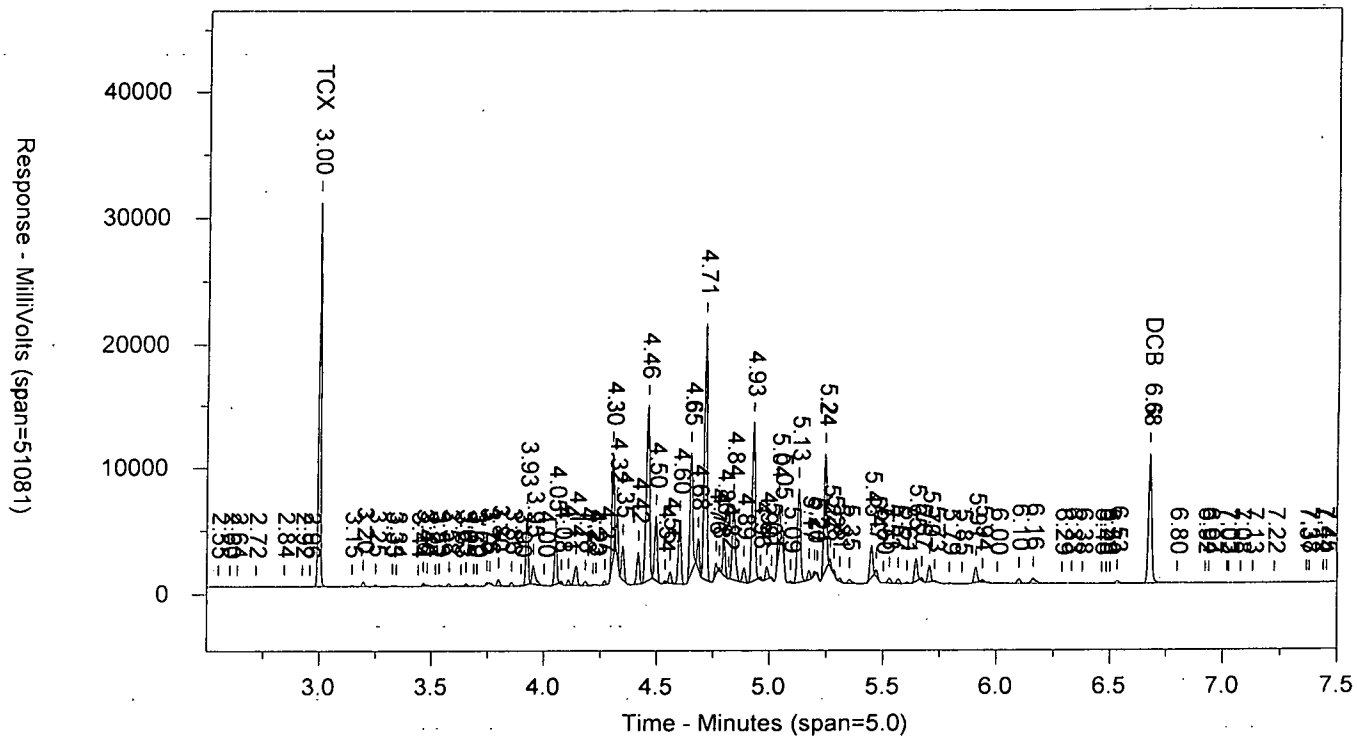

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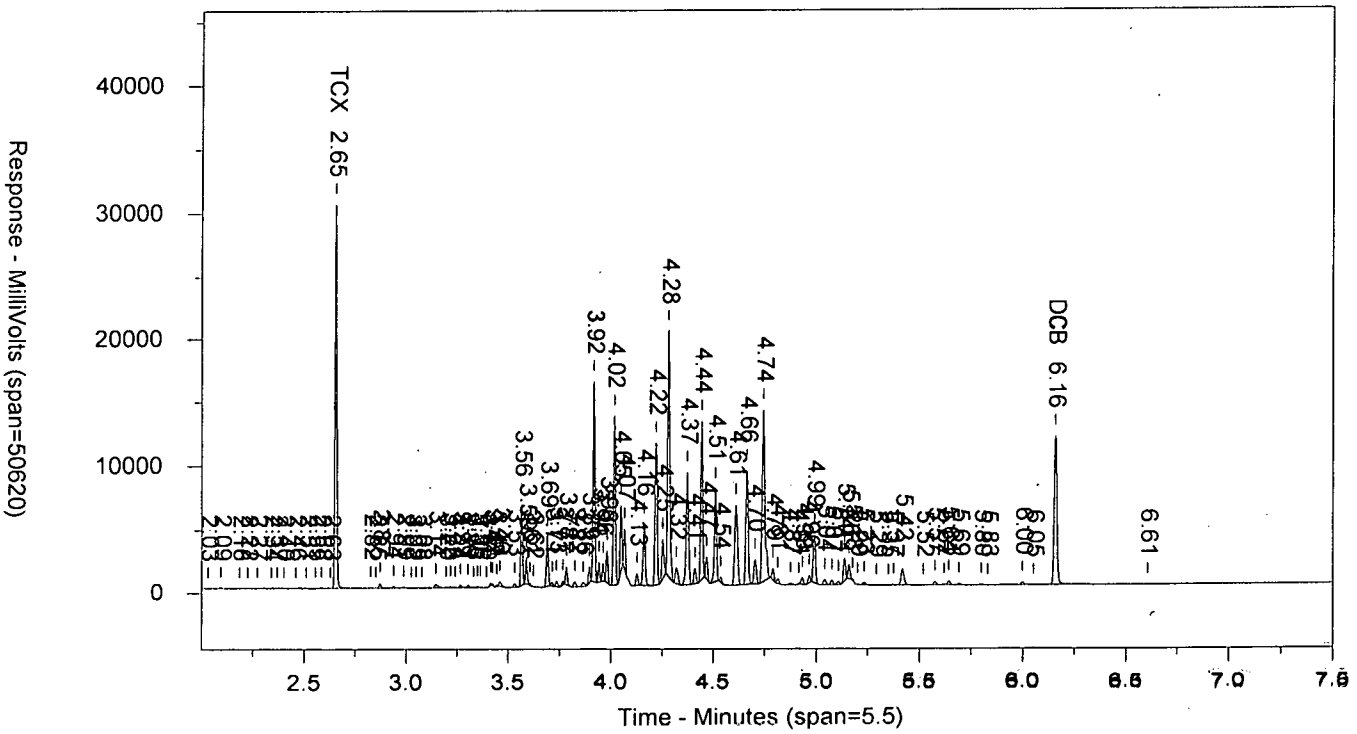

AR5461724A AAAR546AA ICAL 1724999999 10736 SW-846 8082

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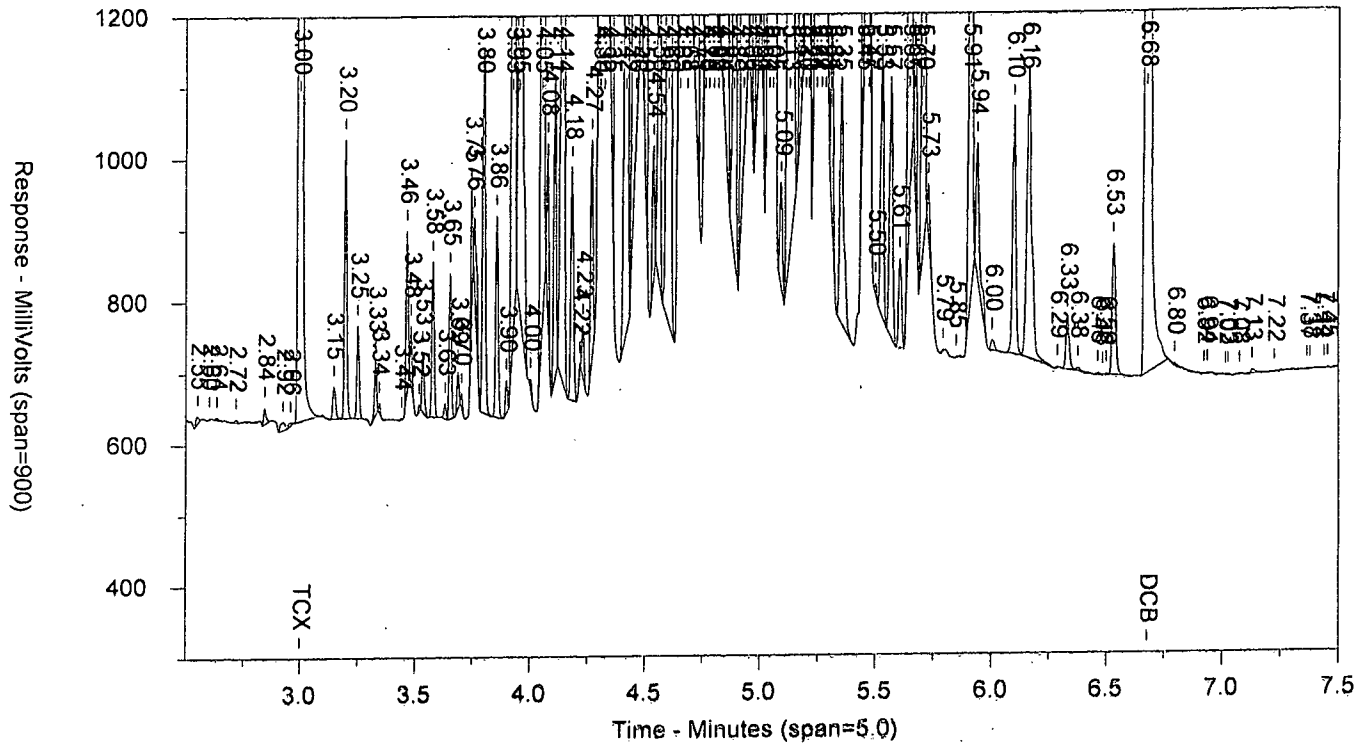

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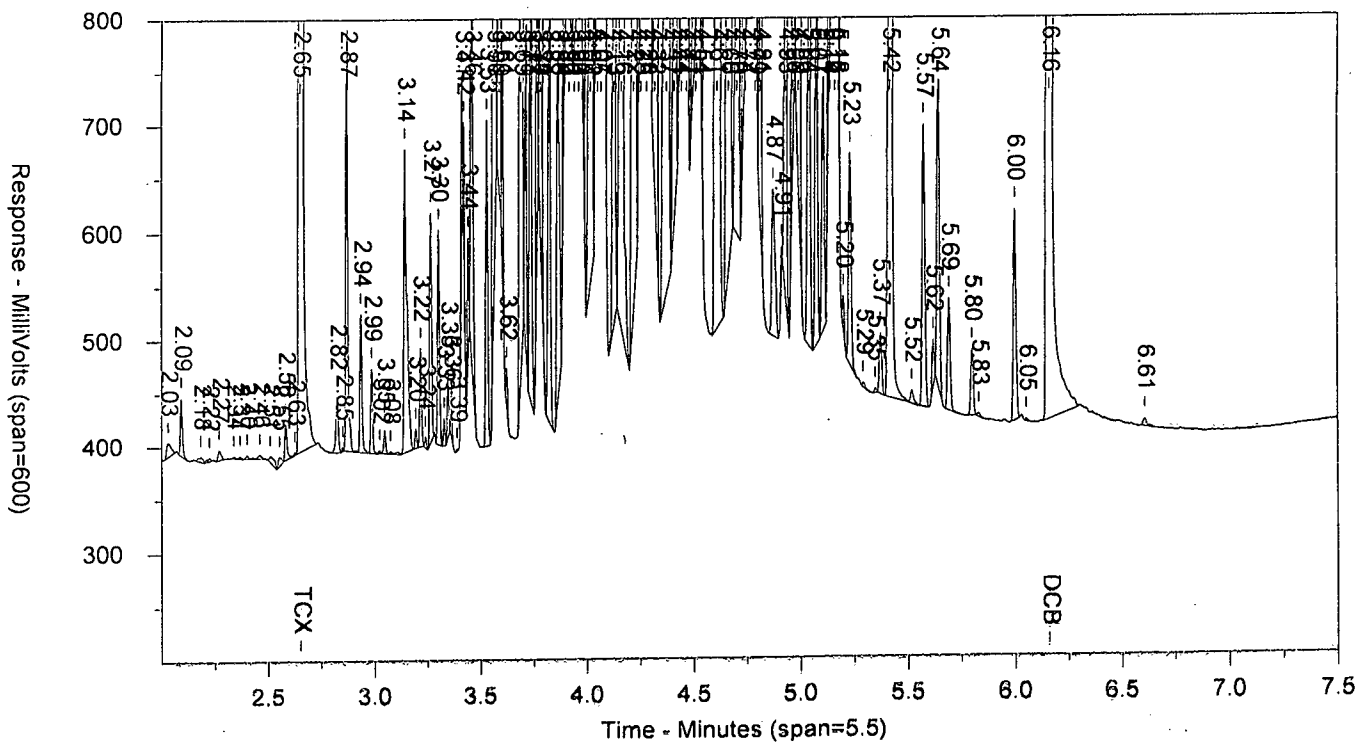

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:59:50 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.644		3426	14923
1.789		5410	3833
1.882		2073	2847
1.97		2839	1182
2.056		22112	60992
2.115		27585	70493
2.15		45108	157703
2.283		18795	39855
2.331		26893	33781
2.391		110238	78571
2.436		8980	11166
2.55		19886	25083
2.608		6996	6861
2.654		18474	15527
2.716		3980	2838
2.746		8405	7579
2.845		38682	29265
2.919		4161	3585
2.971		10187	18085
2.996	TCX	3425	2388
3.147		6101	4709
3.205		7177	4378
3.229		3990	2186
3.251		42398	28778
3.344		14041	33638
3.466		50873	29069
3.483		24222	12732
3.52		4239	2123
3.58		57566	40509
3.657		19822	17799
3.689		13983	7995
3.705		7362	3309
3.749		25343	15066
3.761		53573	26381
3.8		74172	59316
3.859		65747	45964
3.886		1618	550
3.899		3808	2644
3.928		70446	51044
3.964		57440	60160
3.997		6291	5440
4.054		60473	44876
4.079		12268	7390
4.11		17247	12248
4.144		56130	67751
4.186		17291	15471
4.247		10218	10603
4.271		20578	13615
4.306		319108	256509
4.326		35758	18774
4.35		55966	55453
4.42		13786	7650
4.435		47713	27673

RT A	Compound A	Height A	Area A
4.463		441646	406293
4.498		47758	34694
4.538		2324	955
4.561		28101	25163
4.601		186178	173678
4.672		389960	439687
4.716		225554	201016
4.765		1336123	1389921
4.803		235102	167821
4.842		2241898	2020400
4.885		58140	50631
4.928		163691	177668
4.964		26354	18789
4.989		247100	229270
5.041		2059008	2301290
5.093		943722	897656
5.132		675318	542054
5.151		74602	41725
5.175		15215	8193
5.212		99979	92337
5.246		1532564	1410583
5.288		34754	18070
5.312		2338664	2135531
5.354		993773	944077
5.447		423676	338267
5.473		2079036	2113079
5.53		973392	853556
5.567		402562	485781
5.612		108535	115727
5.652		394514	402853
5.707		4561816	4052265
5.91		3113592	3038645
5.967		1566639	2402181
6.101		190781	183450
6.18		780250	947151
6.291		2999	1748
6.333		1404776	1478584
6.378		81603	70414
6.473		2065	837
6.533		528781	536932
6.681	DCB	13068	13222
6.715		1865	958
6.808		1031	215
6.913		1787	461
6.95		1318	499
6.962		2200	778
7.063		1424	553
7.095		1029	1386
7.154		1457	383
7.181		1346	619
7.22		1407	539
7.278		1111	613
7.305		2225	2417
7.383		1548	437
7.4		1459	506
7.436		1869	676
7.476		1737	864
7.493		956	487
7.517		1557	402
7.573		2107	609
7.592		1707	398
7.782		1993	412
7.797		1546	892
7.89		1377	488
7.92		1223	330
7.988		1308	691

RT A	Compound A	Height A	Area A
8.051		1609	1147
8.079		2086	694
8.157		1704	556
8.233		1834	399
8.302		1575	741
8.345		1961	503
8.413		1221	416
8.54		2148	1948
8.607		1927	903
8.625		1281	619

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:59:50 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.587		6984	6014
1.614		3097	1879
1.656		2879	4693
1.761		6383	6008
1.83		3188	9774
1.871		1394	981
1.924		2936	2499
1.959		110671	77280
2.033		16987	25973
2.108		18946	14446
2.172		1774	936
2.21		3178	3112
2.271		10813	17892
2.382		17577	18539
2.46		7137	9712
2.512		4325	6259
2.566		9189	9025
2.583		52869	39821
2.681	TCX	5437	2776
2.735		4082	5619
2.824		9173	7107
2.851		2222	1449
2.885		7891	4706
2.916		2224	1885
2.937		44628	26424
2.96		5217	2847
3.02		4883	3072
3.047		5862	3275
3.074		2071	2382
3.143		46415	22180
3.154		14251	5847
3.196		4248	2221
3.218		6765	4471
3.241		4182	2549
3.265		61432	40987
3.304		12701	9249
3.348		14219	7116
3.363		19101	10124
3.413		34276	15606
3.423		53358	23015
3.443		3602	1255
3.457		61840	47486
3.531		67800	46030
3.566		75530	44782
3.589		91113	51962
3.619		11719	7682
3.647		13111	9829
3.692		69209	46346
3.714		31879	21144
3.738		23213	17074
3.767		27301	14855
3.784		38515	23326
3.826		20621	16478
3.867		35734	34331

3.901		13008	11123
3.917		441610	287954
3.942		42318	24957
3.962		12216	5835
3.982		57102	36496
4.018		482607	340382
4.051		61707	38664
4.074		102624	86517
4.113		25665	14427
4.132		8041	4754
4.153		120028	127878
4.196		4895	2572
4.22		95367	65663
4.263		324000	221175
4.295		1372788	1025860
4.322		361353	367986
4.373		2339544	1750544
4.414		64310	51933
4.444		89565	59324
4.468		347077	262953
4.511		2600174	1987391
4.615		2370012	2110227
4.669		445600	359972
4.708		735020	590503
4.743		1475643	1280153
4.776		3275284	2510365
4.814		1415555	1146995
4.915		682595	566246
4.966		3047896	2501048
4.99		31553	17821
5.04		1258329	1225453
5.076		384137	301100
5.106		349761	278283
5.16		5623768	4721776
5.2		60842	45782
5.233		399959	322880
5.352		100200	63407
5.375		2033996	1697347
5.422		3430987	3428795
5.576		153808	133388
5.621		22945	15348
5.644		98023	76829
5.693		679437	626682
5.8		1468412	1292696
5.832		68393	48801
6		561836	519718
6.159	DCB	15661	13954
7.219		1604	1411
8.298		6264	12567

AR6231724A AAAR623AA ICAL 1724999999 10736 SW-846 8082

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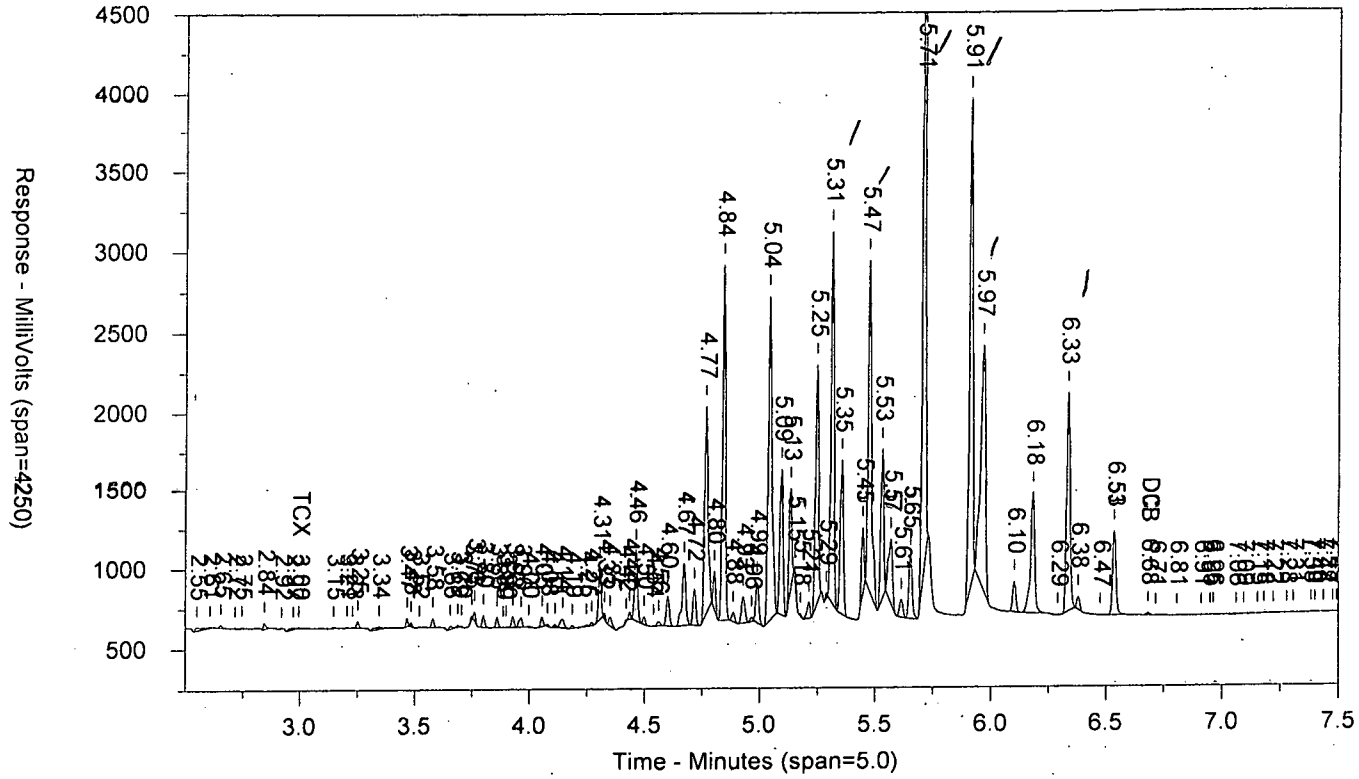

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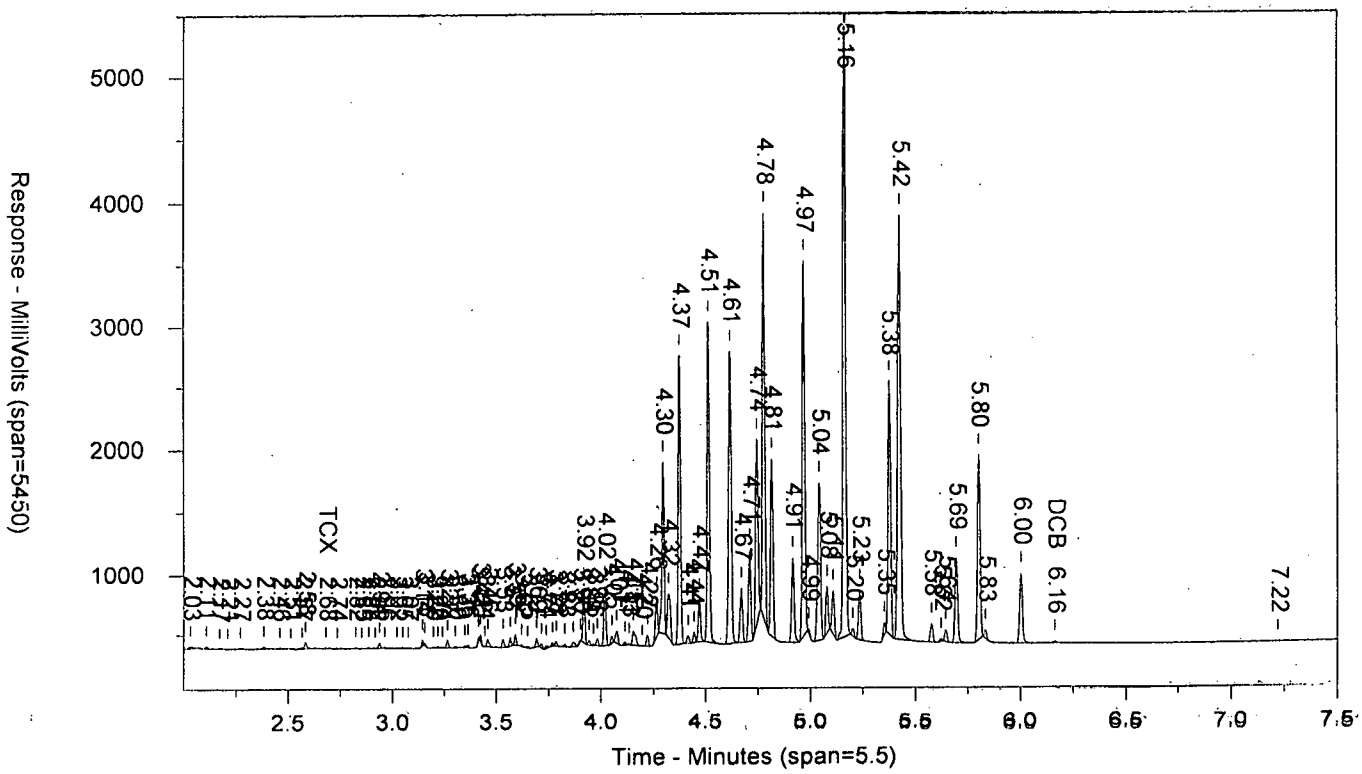

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 2:59:50 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.996	3425	.009	TCX	2.681	5437	.014	TCX
6.681	13068	.097	DCB	6.159	15661	.098	DCB

Files:
Area File: 07pcbs17250001.0025.RAW
Area File: 07pcbs17250001B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 3:08:33 AM
File Reported On: 9/8/2017 at 3:08:46 AM

AR6231724A AAAR623AA ICAL 1724999999 10736 SW-846 8082

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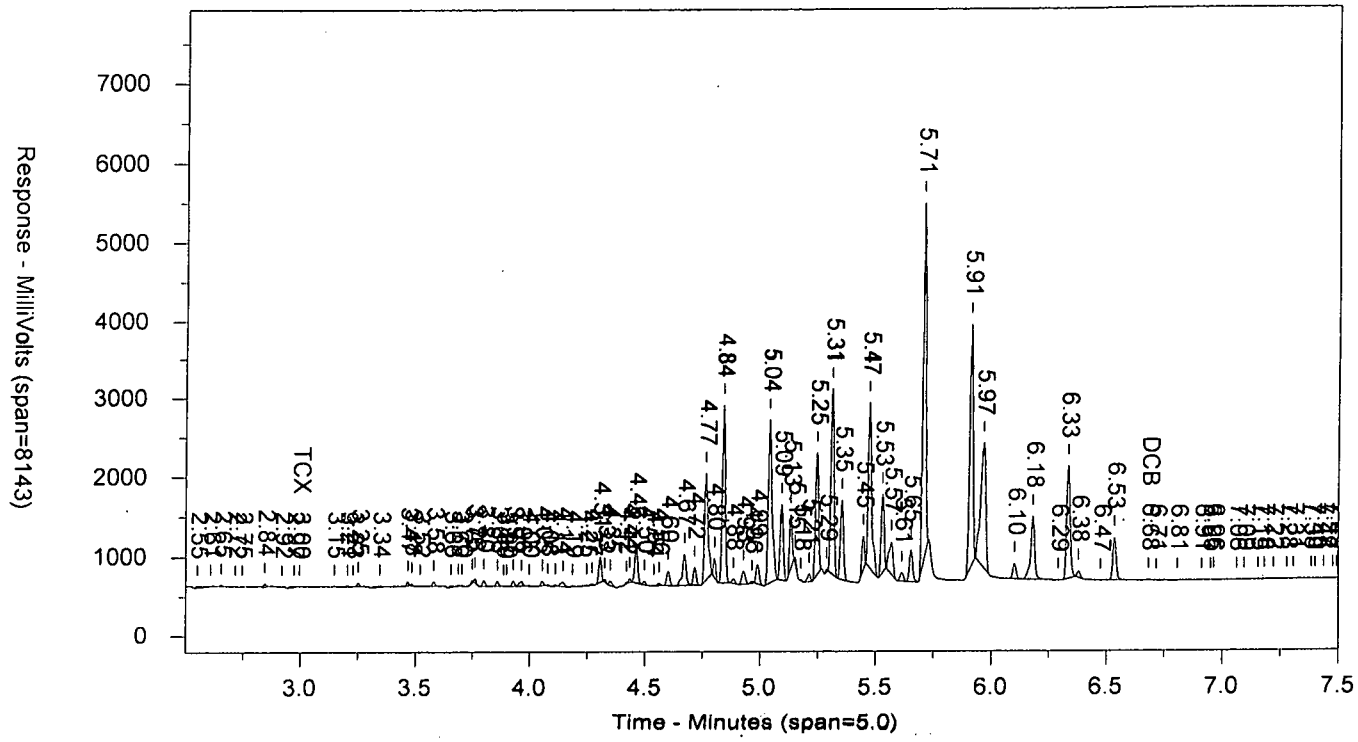

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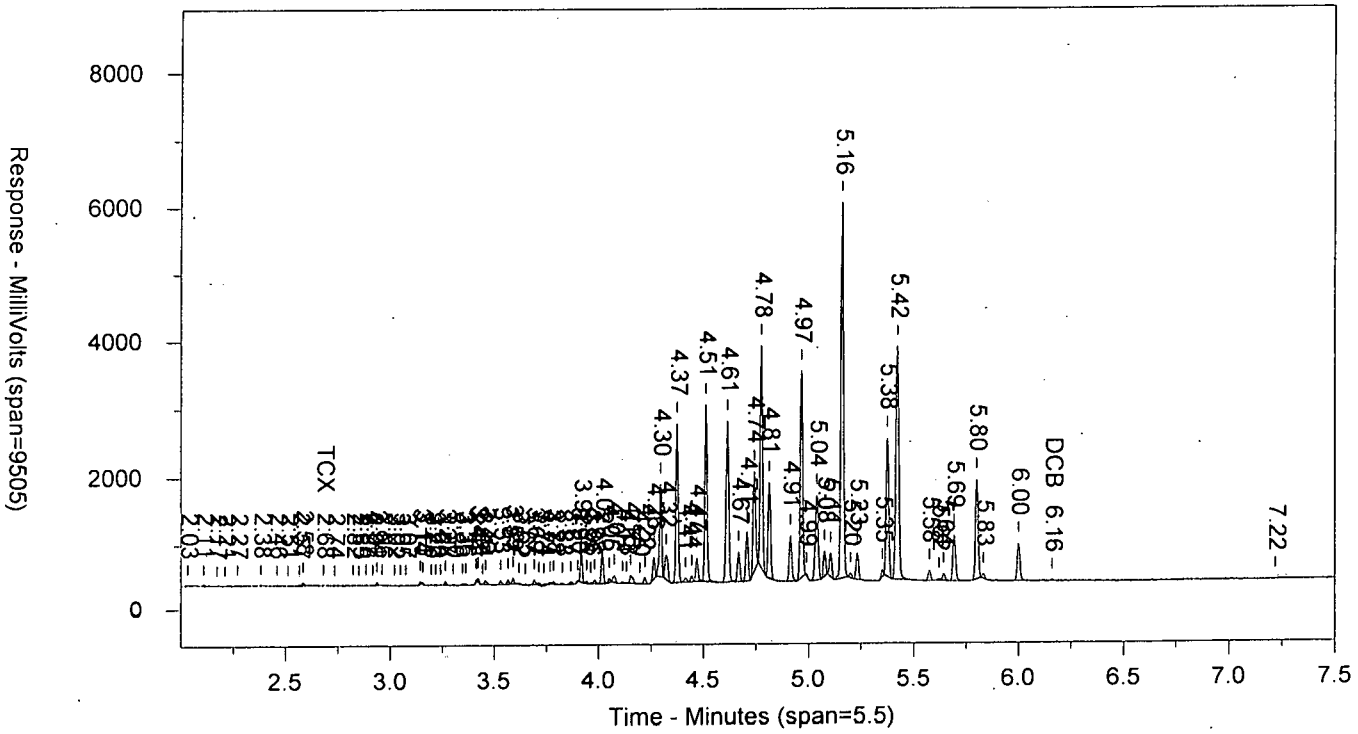

AR6231724A **AAAR623AA** **ICAL 1724999999** **10736** **SW-846 8082**

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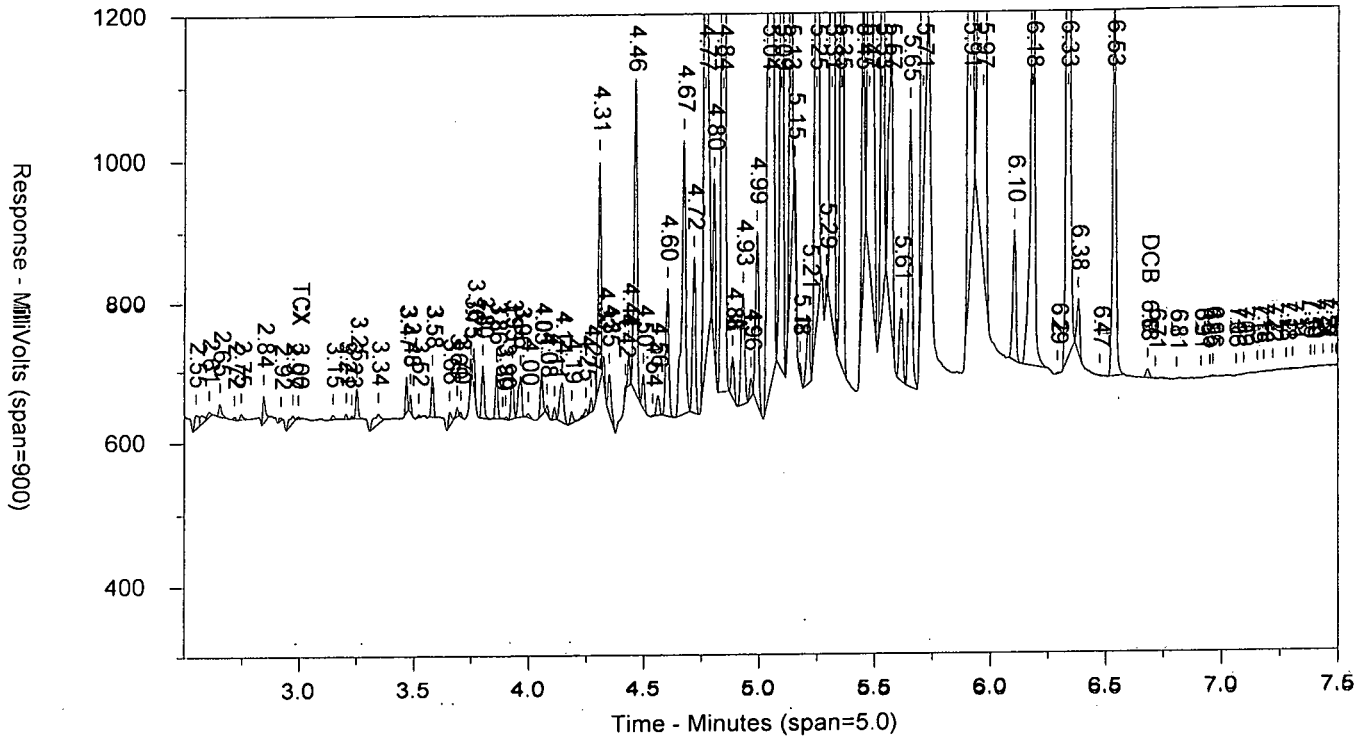

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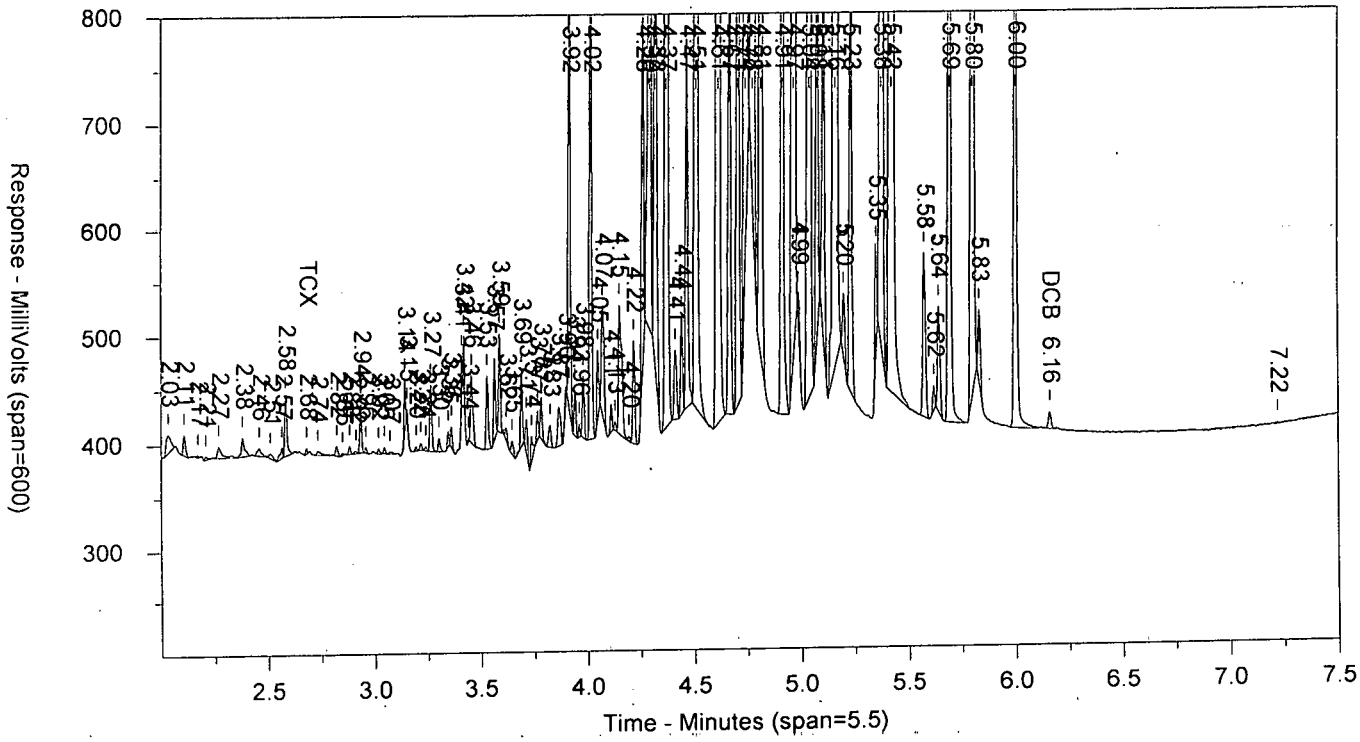

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:11:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.635		20234	22977
1.667		10076	11462
1.791		5567	5524
1.907		1370	4674
2.033		3818	5581
2.105		17631	26895
2.153		17578	23367
2.391		135981	89661
2.433		7916	7992
2.55		20205	26551
2.608		8098	11507
2.675		3666	2478
2.844		37508	27748
2.916		5018	3428
2.962		6100	9662
3.13		1731	820
3.254		4654	2997
3.342		7520	22730
3.441		3318	1604
3.464		9654	6249
3.58		12359	10103
3.659		9020	8453
3.689		2649	1241
3.748		7889	8312
3.76		13642	7311
3.799		19654	15833
3.859		16094	11583
3.879		1422	765
3.902		2846	2112
3.927		20568	14602
3.954		16774	17429
3.994		6838	8168
4.033		1435	370
4.053		22954	16005
4.078		6631	4713
4.11		9979	6549
4.144		23766	26361
4.185		9592	7256
4.248		11533	8424
4.27		4792	2887
4.301		25908	25689
4.326		34985	24639
4.349		39493	41441
4.41		3112	12176
4.455		29815	24190
4.474		7601	4524
4.498		4577	2928
4.558		13082	11458
4.6		59448	56163
4.652		6750	4109
4.683		9179	11951
4.716		20353	17242
4.764		18026	14681

RT A	Compound A	Height A	Area A
4.799		15330	12106
4.842		39101	34966
4.885		44271	37514
4.927		42444	40050
4.965		69407	78591
5.041		29812	36829
5.092		112673	110271
5.129		19935	16658
5.151		7944	4972
5.205		23254	21015
5.244		54819	49699
5.286		27171	18251
5.311		873870	827750
5.353		93819	77391
5.39		3229	3250
5.445		71673	57122
5.491		1272701	1378680
5.529		25653	15563
5.554		429902	397628
5.61		73755	80170
5.651		29160	36012
5.707		454734	366390
5.73		348429	265141
5.808		3990	3196
5.873		6300	4720
5.91		5591007	5421666
5.966		4834672	5325755
6.1		4639698	4658568
6.163		1218157	1453055
6.294		1096	769
6.332		1429771	1524958
6.377		9592	5703
6.532		9410568	9617264
6.678	DCB	1835717	1882484
6.859		1564	591
6.951		2411	2002
6.996		2878	2700
7.075		2089	884
7.167		1662	536
7.206		877	1188
7.223		1624	396
7.249		1692	350
7.26		1346	457
7.278		1943	953
7.5		1248	623
7.622		1762	942
7.74		1538	632
7.853		1946	492
7.922		1091	478
8.112		1466	469
8.187		1564	282
8.222		1427	671
8.419		1550	447
8.476		1184	416
8.49		1386	446
8.576		1059	338
8.629		1769	582

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:11:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.587		5137	5132
1.616		2870	1317
1.761		9574	17081
1.809		5578	12320
1.85		2634	1831
1.902		2026	1468
1.959		141026	92489
2.031		18924	46358
2.152		1641	1652
2.19		4629	5080
2.21		3917	2410
2.243		2088	1290
2.272		10540	10088
2.401		4389	4658
2.448		1802	884
2.511		3130	3968
2.553		6019	7201
2.583		52584	41617
2.739		3370	5179
2.867		1726	3091
2.937		4595	4416
3.022		3462	4071
3.143		9179	4866
3.221		3899	2965
3.265		13323	9638
3.307		4518	3748
3.348		2898	1455
3.363		16762	10680
3.414		10156	4581
3.423		12684	5675
3.457		17528	14595
3.531		18077	11851
3.565		21825	12827
3.589		24200	14339
3.606		4066	1602
3.621		7339	4337
3.668		1380	2326
3.691		28087	18031
3.714		19529	14175
3.739		9857	5353
3.767		5994	3248
3.784		21165	12762
3.826		10020	8697
3.873		15879	16596
3.9		17543	14593
3.918		42251	24498
3.943		35290	21173
3.98		14286	11878
4.018		10057	6359
4.053		31086	23436
4.08		14558	8139
4.114		5060	3086
4.134		7053	3729
4.153		36795	36266

4.197		8150	5145
4.217		9625	5328
4.255		5992	6844
4.282		11540	6388
4.295		10802	5825
4.325		3645	3157
4.374		52143	47089
4.414		44138	32240
4.443		18270	11931
4.466		22199	12822
4.485		56222	36768
4.51		22963	13801
4.615		160122	134078
4.666		40485	33231
4.71		60525	53914
4.744		24773	17961
4.776		1280375	1062801
4.814		111828	83146
4.888		1646	972
4.914		99766	83358
4.965		1718061	1441771
4.991		12924	7567
5.031		481935	440339
5.092		12188	5942
5.109		53183	40723
5.159		634686	538152
5.199		7541	5530
5.233		455813	400585
5.318		3331	2709
5.351		61539	34487
5.375		5833378	4780413
5.423		5593044	4705578
5.575		4676043	3924097
5.644		1138296	997749
5.693		183835	157903
5.8		1603028	1336986
5.923		7514	9268
5.999		11031980	9717112
6.113		4643	2674
6.158	DCB	2137333	1985803
6.332		3563	2554
6.493		4935	4040
7.756		1601	2229
8.287		5724	11156

AR6831724B AAAR683AA ICAL 1724999999 10736 SW-846 8082

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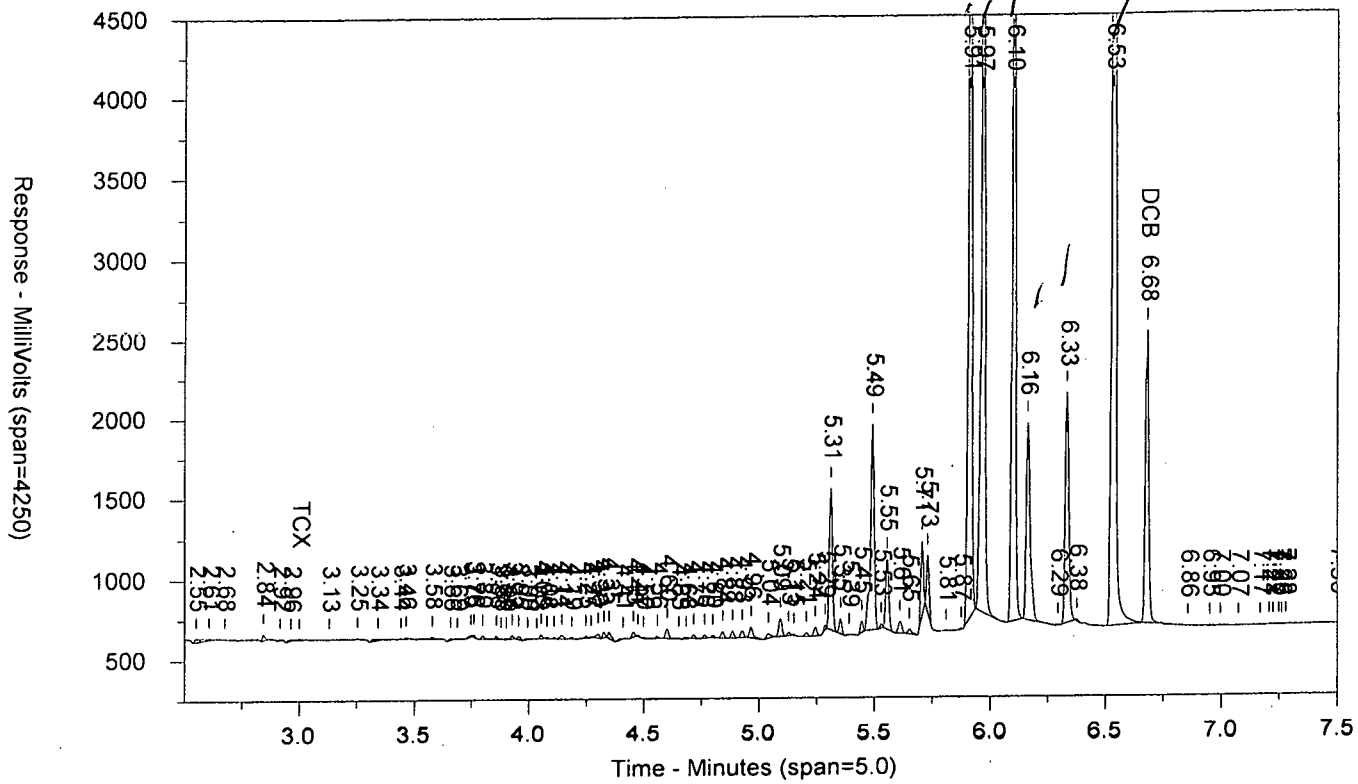

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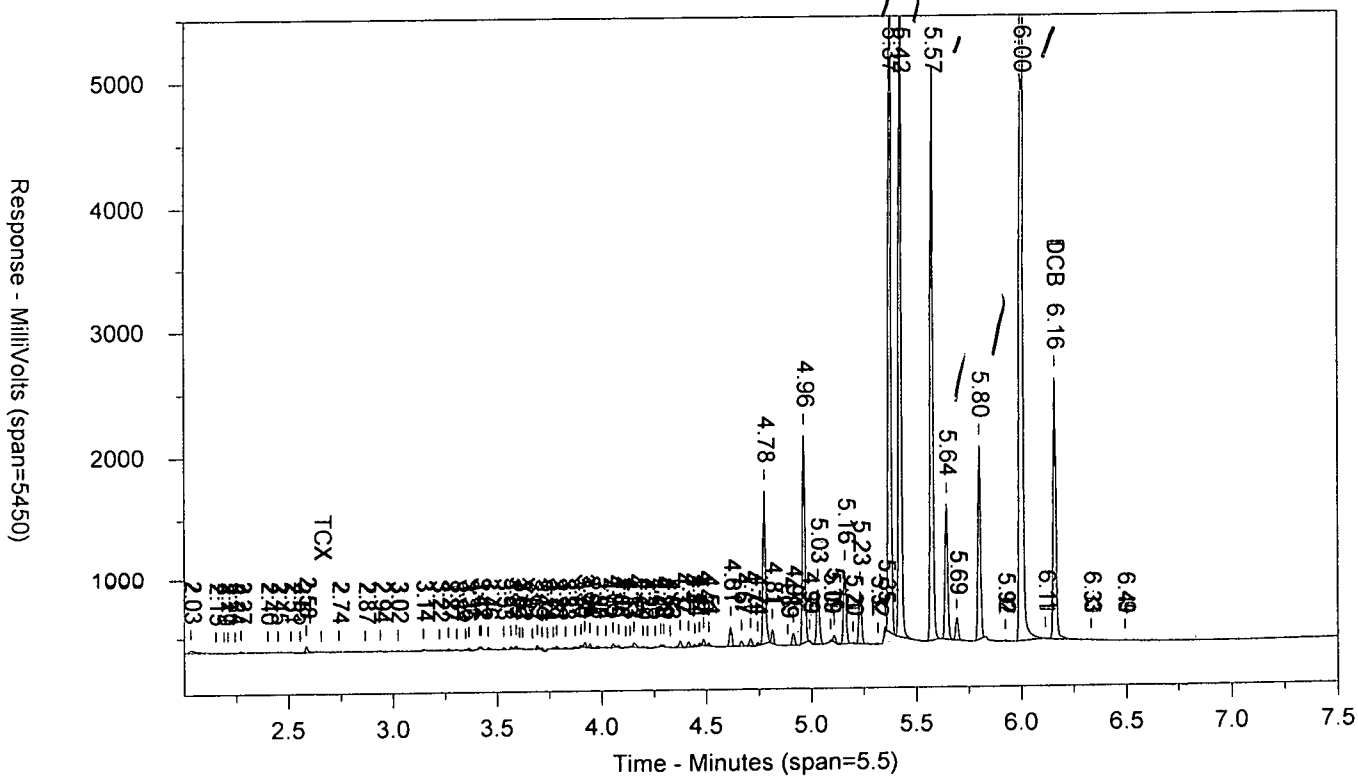

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:11:17 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
6.678	1835717	13.6	DCB	6.158	2137333	13.417	DCB

Files:
Area File: 07pcbs17250001.0026.RAW
Area File: 07pcbs17250001B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 3:20:01 AM
File Reported On: 9/8/2017 at 3:20:18 AM

AR6831724B AAAR683AA ICAL 1724999999 10736 SW-846 8082

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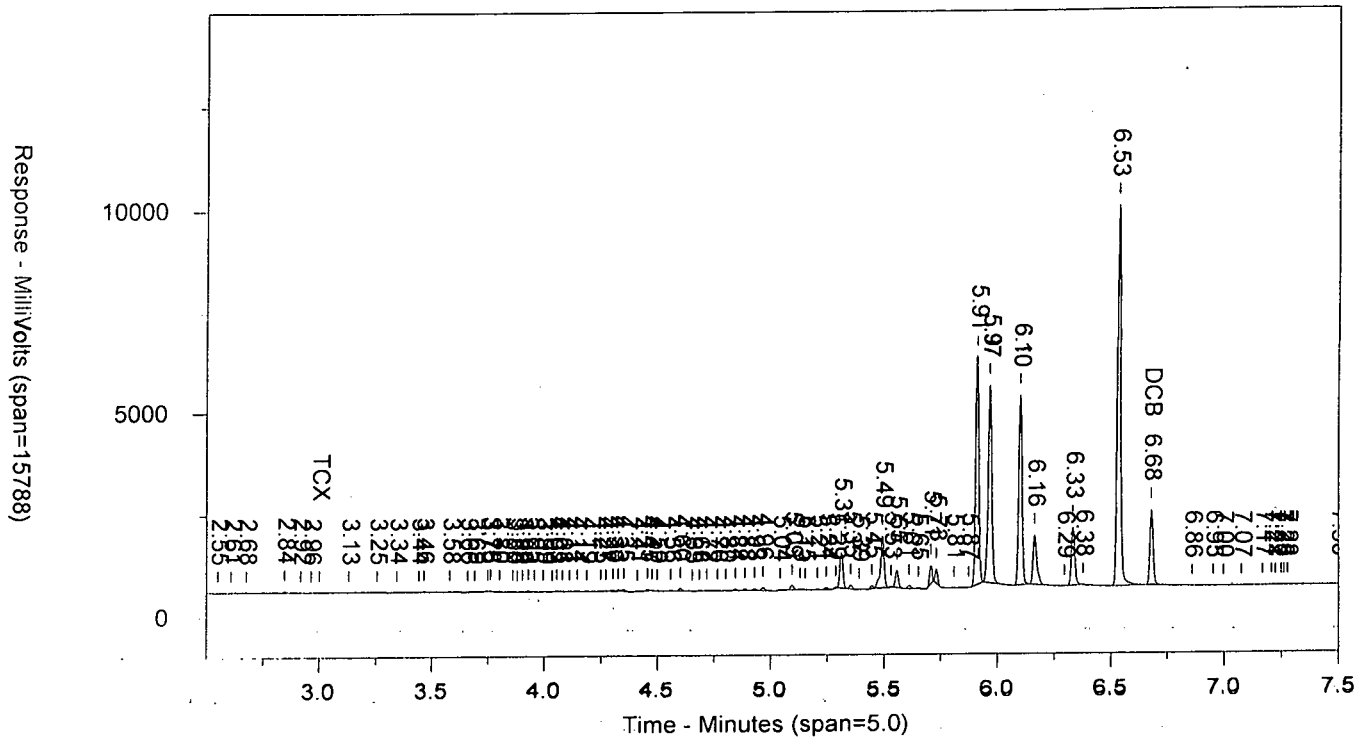

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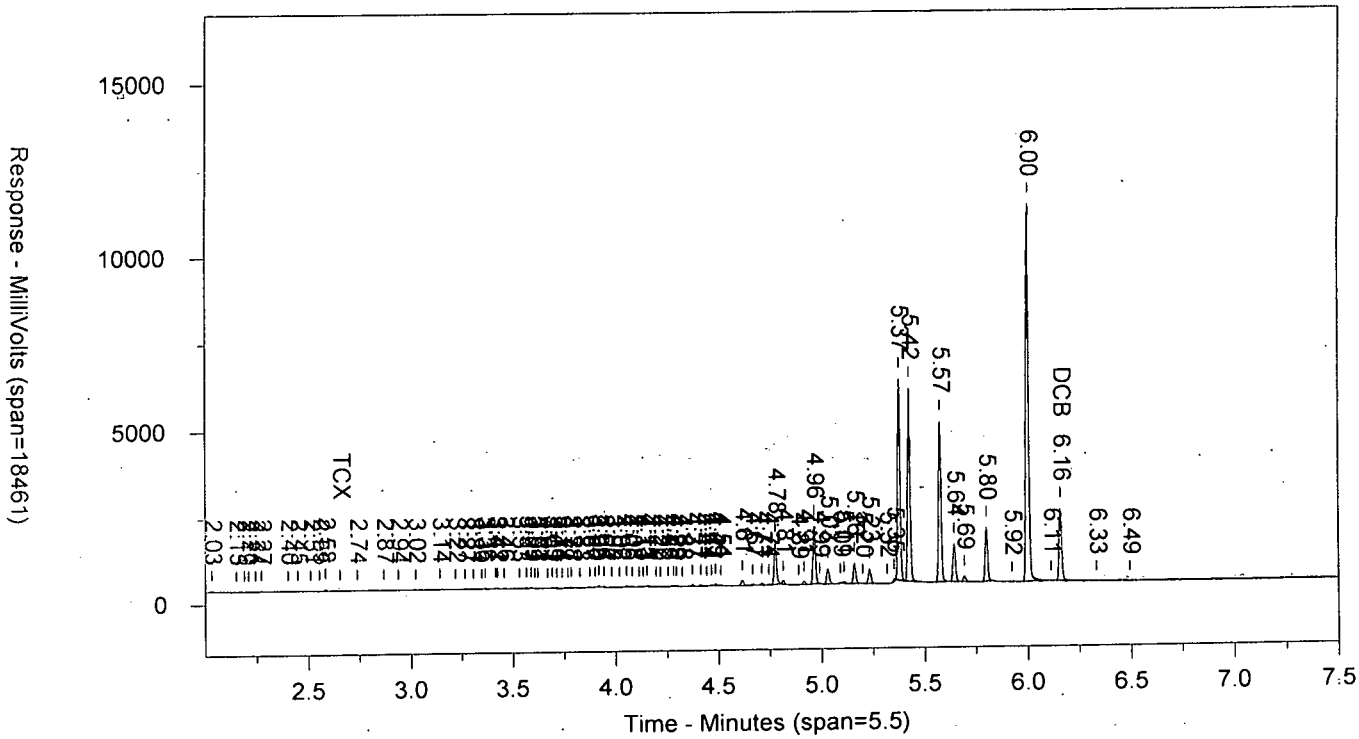

AR6831724B AAAR683AA ICAL 1724999999 10736 SW-846 8082

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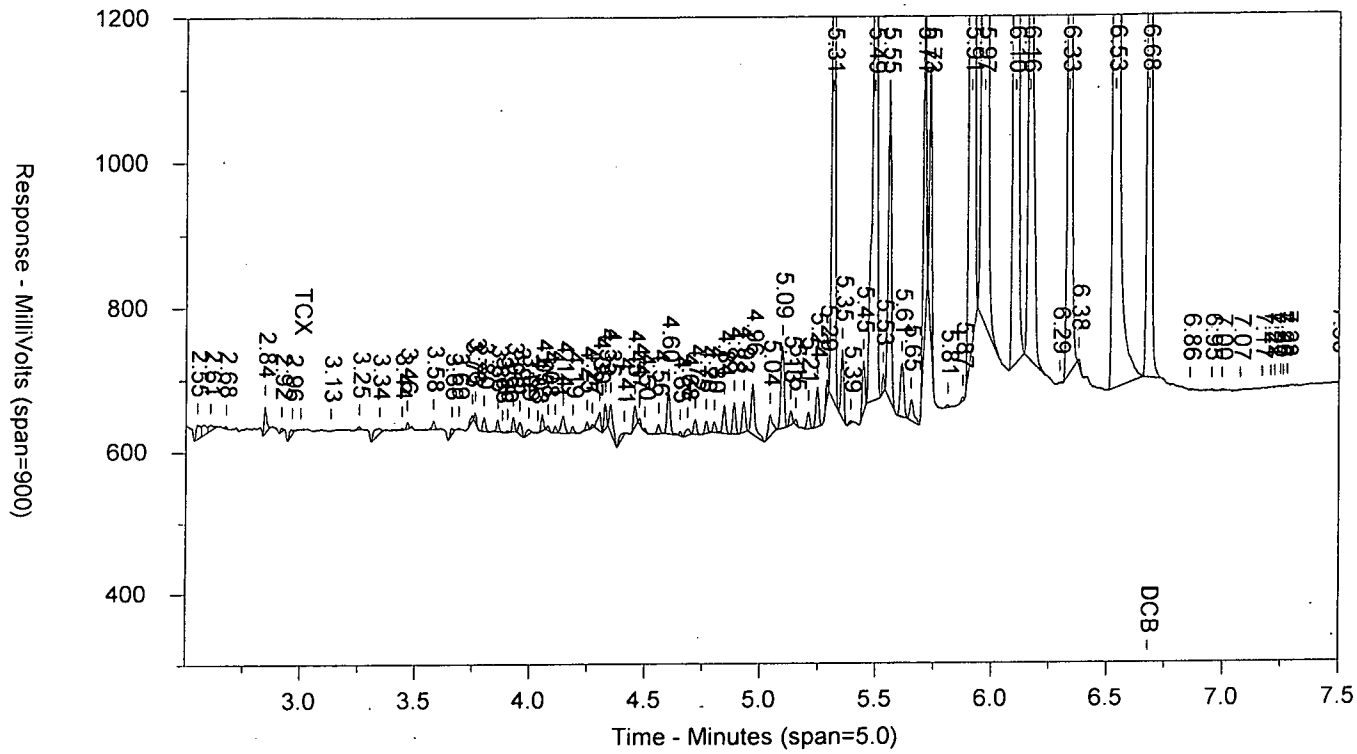

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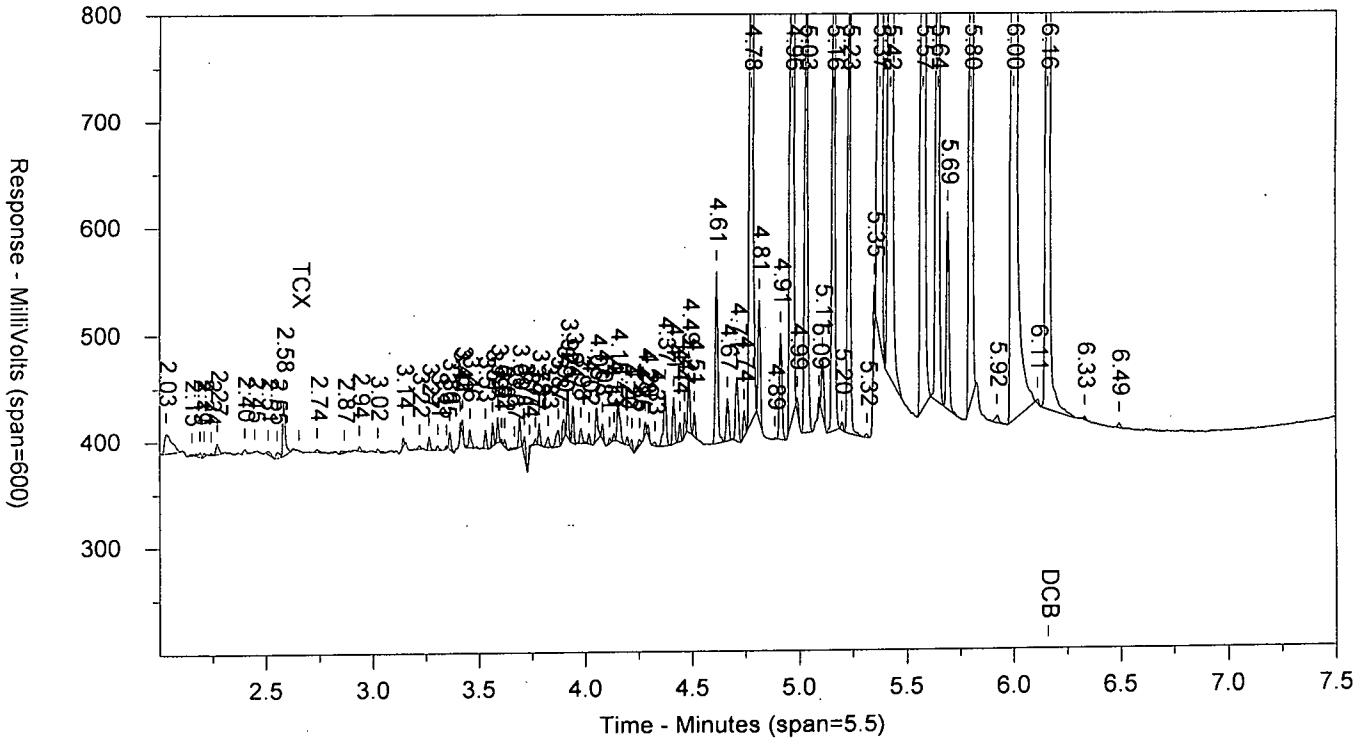

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:22:45 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.634		7238	7358
1.789		4470	2492
1.874		2845	2455
2.112		12072	24919
2.151		6428	6874
2.295		87060	76087
2.39		47911	34725
2.404		31736	19411
2.433		7752	8639
2.479		4012	2183
2.55		14672	13742
2.577		13758	14731
2.611		3337	4353
2.635		424474	294029
2.668		5958	4191
2.757		5933	4381
2.845		36948	28620
2.876		2611	1310
2.911		128196	79549
2.954		6292	5577
2.999	TCX	15344910	9728970
3.097		4413	2966
3.148		609085	505468
3.203		557136	454481
3.25		1696944	1166972
3.327		42975	29952
3.344		8538	3509
3.465		93678	54263
3.488		91465	116169
3.519		13699	6787
3.546		221051	151237
3.579		126589	90749
3.655		18339	13303
3.688		33347	18216
3.703		33978	17630
3.73		5171	2953
3.748		47289	27968
3.76		111170	62027
3.799		163129	127037
3.859		105077	77677
3.896		3497	2659
3.927		50272	36875
3.954		26347	23664
3.981		3228	1778
4.053		38796	28667
4.079		11604	7494
4.109		10182	6862
4.144		56329	50386
4.185		8795	6400
4.246		10213	9583
4.305		44080	31989
4.325		38844	23857
4.349		35822	30822

RT A	Compound A	Height A	Area A
4.39		1708	624
4.418		11752	8593
4.46		72338	87705
4.495		19814	13123
4.536		5847	3492
4.563		8583	8048
4.602		22936	20918
4.652		28143	20285
4.684		12892	11491
4.715		78420	67653
4.761		8440	6895
4.801		11793	9855
4.841		28300	26114
4.887		4451	3270
4.929		38366	35062
4.965		26732	20600
5.041		15967	14229
5.054		5598	4251
5.088		5450	5399
5.127		19798	20109
5.205		46139	44441
5.245		26743	24692
5.31		3807	3402
5.348		7721	7768
5.391		4293	6306
5.449		6819	5776
5.473		3418	1802
5.504		1645	361
5.557		5098	7285
5.607		39461	38175
5.648		3271	2430
5.729		110602	129196
5.813		1809	960
5.824		1304	293
5.862		1329	1867
5.908		13936	14223
5.957		11331	20311
6.021		1749	4870
6.1		189683	189087
6.162		221245	268280
6.299		1996	3048
6.332		6469	6012
6.462		1480	1258
6.531		105600	106010
6.6		1043	417
6.678	DCB	5015175	5288465
6.885		1245	452
6.956		1654	390
7.019		1478	1186
7.046		1347	412
7.06		1724	769
7.068		1938	492
7.138		2414	1562
7.163		1860	837
7.237		1674	645
7.278		1256	1204
7.382		1080	431
7.459		1771	543
7.526		1512	448
7.569		1917	926
7.62		1257	292
7.652		1396	554
7.714		1718	346
7.738		1446	863
7.832		2007	1579
7.953		1708	494

RT A	Compound A	Height A	Area A
7.976		2766	1247
8.038		1437	846
8.077		1733	658
8.188		2265	442
8.197		1315	678
8.26		2006	435
8.288		2212	833
8.524		1817	535
8.669		974	336

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:22:45 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.571		4410	6584
1.588		7356	6564
1.616		2204	2479
1.668		6016	10308
1.763		6696	6904
1.821		604	1757
1.849		1940	1182
1.869		7449	6724
1.966		90450	100102
2.031		20753	43270
2.073		9766	7049
2.092		25261	15539
2.174		10933	11943
2.225		1781	1866
2.271		18156	16413
2.337		468342	312847
2.367		7887	4652
2.423		1693	1526
2.462		11270	9759
2.512		8814	18652
2.559		17311	20824
2.583		42141	27568
2.609		160612	100683
2.653	TCX	16773460	9687905
2.694		185300	154400
2.736		6297	5408
2.823		733034	489212
2.87		134908	61052
2.884		459804	245112
2.936		1807417	1136059
2.987		44582	28826
3.047		16533	10429
3.077		3880	3078
3.126		3641	1627
3.144		84719	39467
3.155		20439	6463
3.164		43474	16846
3.186		71161	50077
3.216		17765	10657
3.241		243426	145091
3.265		133966	82344
3.302		11997	7734
3.329		7995	3556
3.348		42998	21375
3.363		44529	22154
3.39		3339	1407
3.413		50320	26312
3.423		134253	59041
3.456		147096	115513
3.529		123756	79531
3.564		56298	33985
3.588		37097	19874
3.605		7854	3702
3.647		5890	5071

3.676		3218	2183
3.69		48887	29346
3.713		17638	10243
3.736		13190	8681
3.765		8488	3979
3.784		59878	38959
3.824		10600	7024
3.878		5951	3456
3.895		19131	10639
3.916		103329	67072
3.942		32946	19913
3.961		5716	2554
3.98		24151	16214
4.016		66277	43054
4.05		28237	17397
4.066		13633	14337
4.113		10790	12559
4.162		20929	15637
4.195		5253	3518
4.22		47221	32326
4.254		12423	9203
4.281		80148	62554
4.319		6336	6045
4.373		40538	35140
4.41		6130	4858
4.443		42035	29137
4.466		5617	2969
4.485		23128	14672
4.511		26920	20699
4.612		24446	23093
4.636		3602	2072
4.663		23205	19410
4.715		51218	38769
4.742		36236	30580
4.776		2290	1297
4.81		3287	2690
4.888		2136	1737
4.919		2571	4108
4.965		9262	7116
4.989		9428	6719
5.032		8451	9528
5.11		40216	36690
5.137		2247	1093
5.159		7776	5368
5.232		107837	87927
5.349		2211	1293
5.374		6561	5565
5.422		11844	12190
5.575		155635	135419
5.642		187731	158051
5.691		38200	34071
5.798		5150	4360
5.999		115196	97267
6.03		2505	2763
6.158	DCB	6062785	5631331
6.606		3824	3635
6.921		887	914
8.203		5323	8607

AR2131724A AAAR213AA ICAL 1724999999 10736 SW-846 8082

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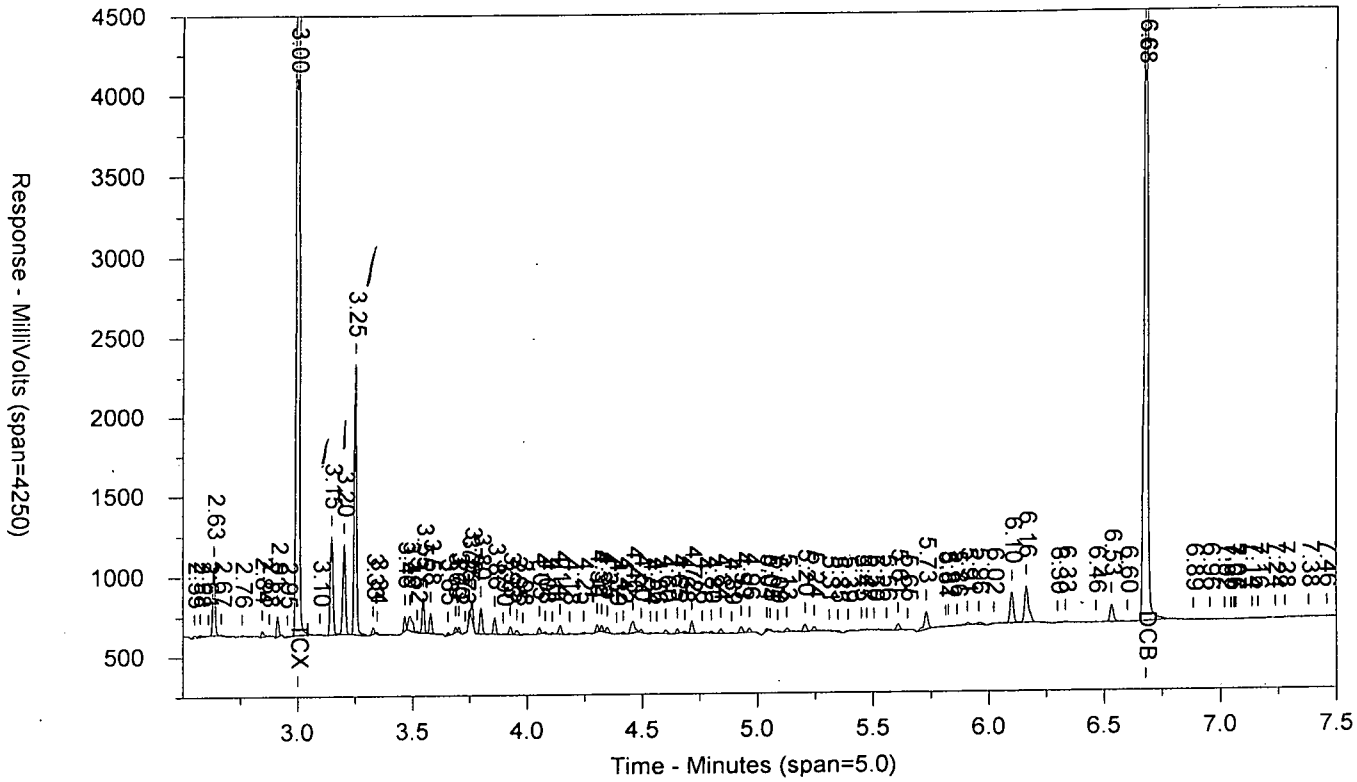

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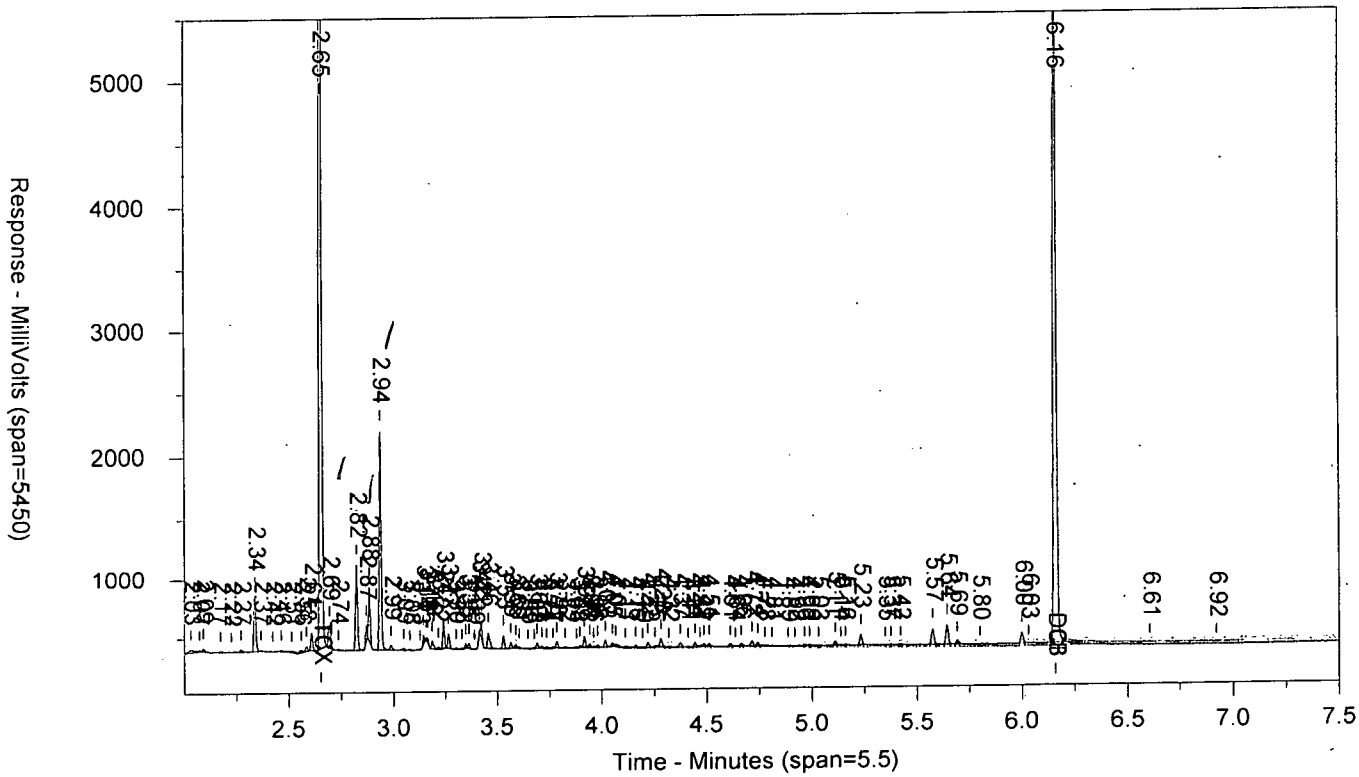

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:22:45 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	15344910	40.541	TCX	2.653	16773460	43.161	TCX
6.678	5015175	37.155	DCB	6.158	6062785	38.058	DCB

Files:
Area File: 07pcbs17250001.0027.RAW
Area File: 07pcbs17250001B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 3:31:28 AM
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AR2131724A AAAR213AA ICAL 1724999999 10736 SW-846 8082

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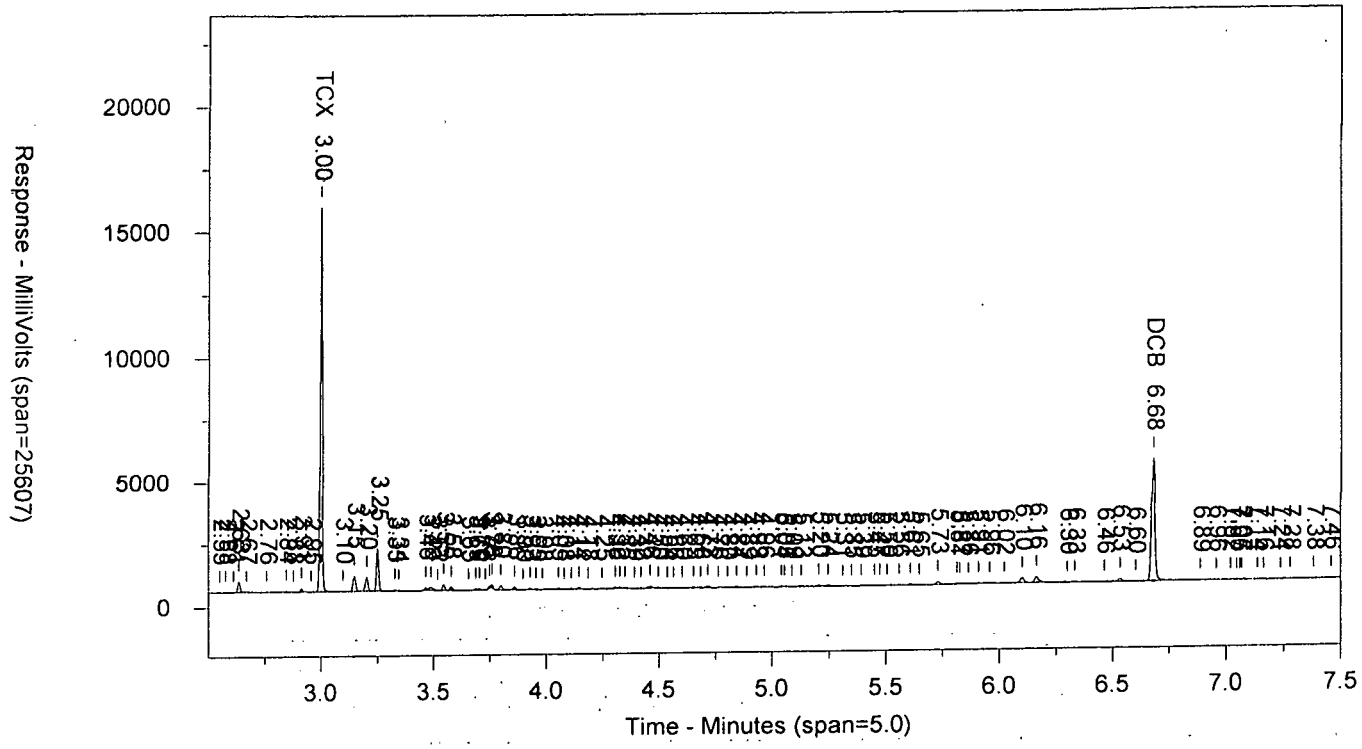

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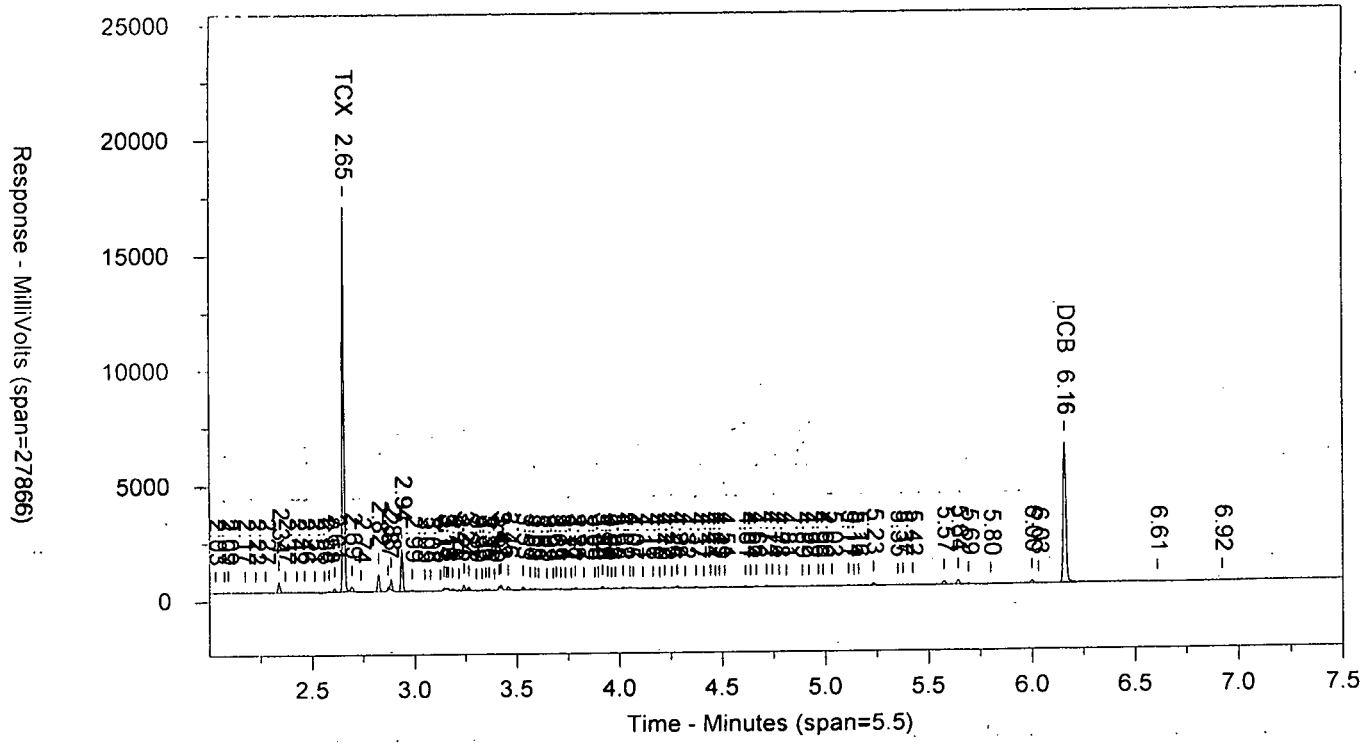

AR2131724A AAAR213AA ICAL 1724999999 10736 SW-846 8082

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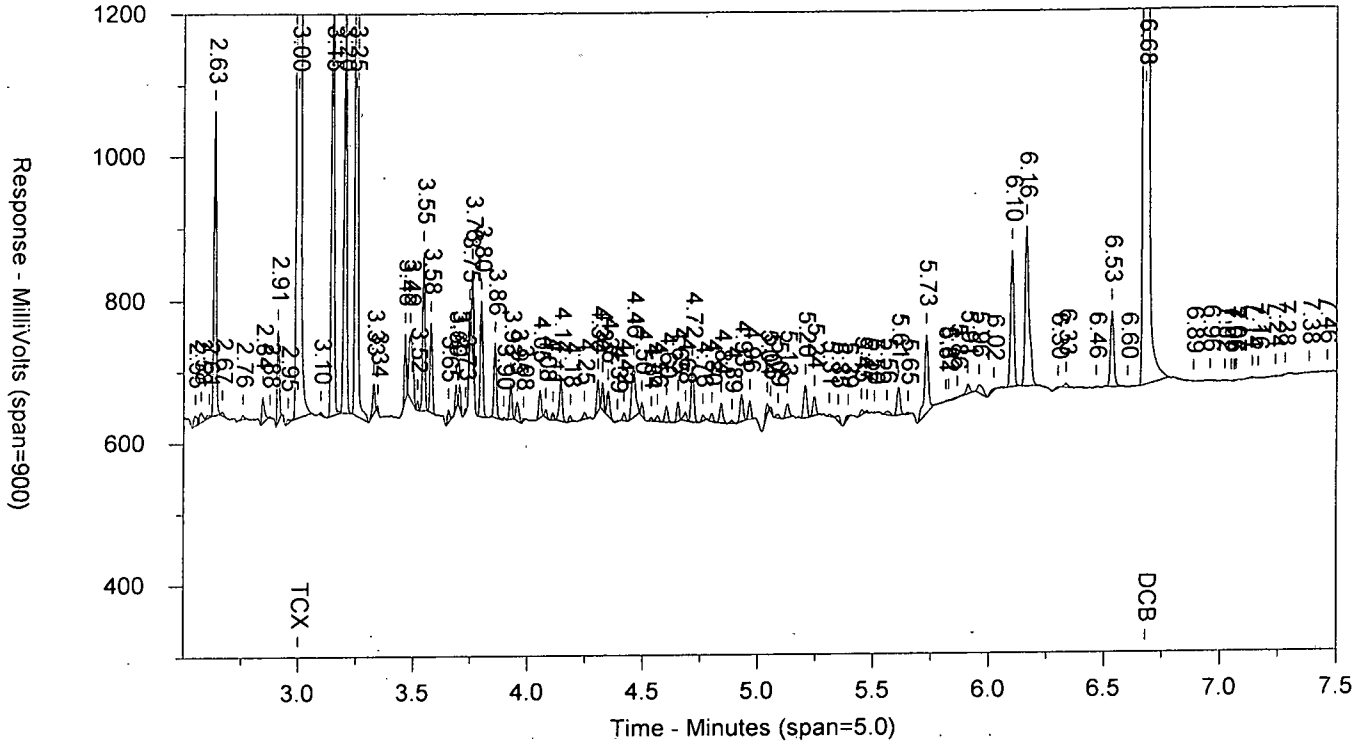

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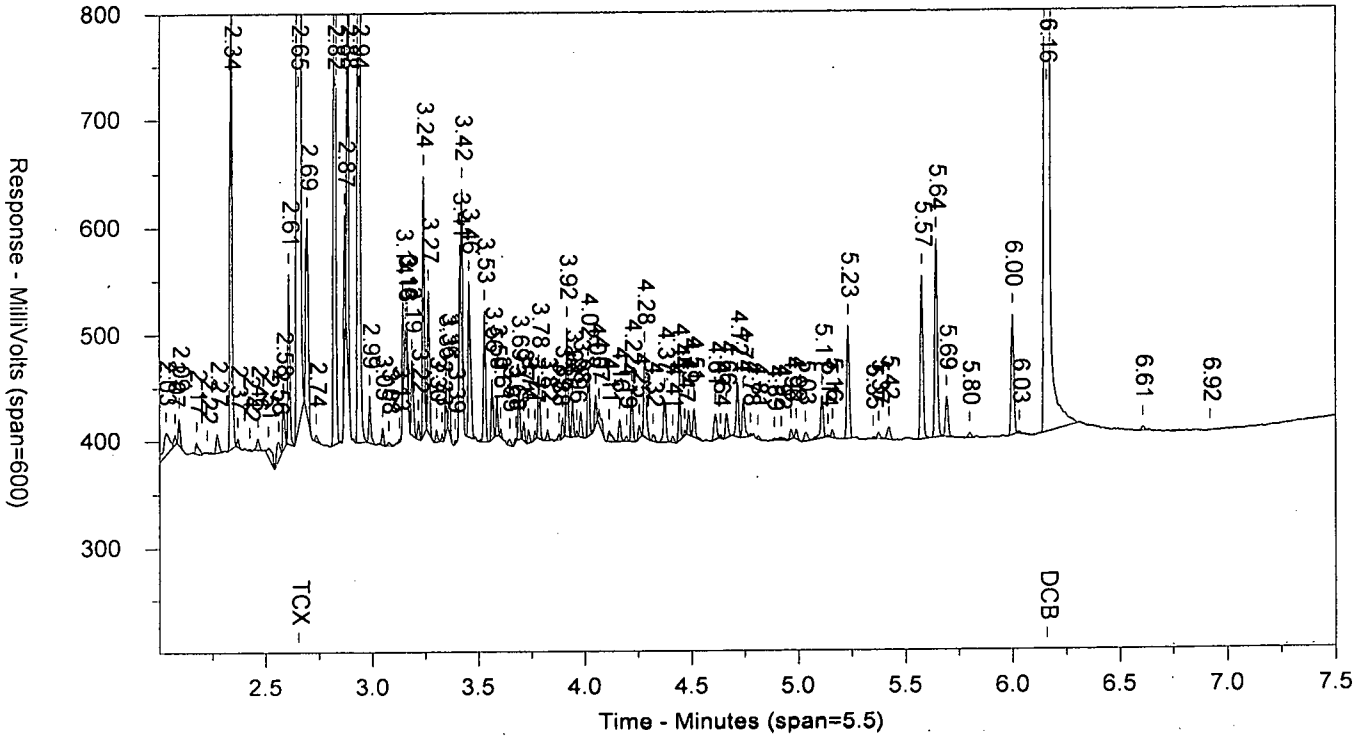

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:34:14 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.544		4067	2873
1.595		11036	19885
1.636		25785	32304
1.667		9330	15151
1.791		4604	2981
1.931		2672	1385
2.042		8266	19695
2.121		17648	56450
2.151		21881	31831
2.295		89076	79916
2.391		72583	50725
2.404		34001	20949
2.434		8145	9373
2.552		25667	24929
2.576		17030	22890
2.607		7667	11184
2.635		285555	201091
2.758		1706	2783
2.774		3871	1648
2.845		48142	38620
2.878		4013	2299
2.912		93760	77241
2.962		10915	17940
2.999	TCX	15889280	10079040
3.148		478715	401238
3.203		487100	413948
3.251		1547194	1104831
3.328		36333	25694
3.344		77730	43949
3.382		2133	1561
3.424		2271	1159
3.466		646069	387805
3.483		325816	184594
3.519		84257	46460
3.547		166323	122239
3.58		774145	566538
3.615		4557	2138
3.633		15584	9638
3.656		50463	35371
3.689		188301	107603
3.704		107701	55194
3.749		402280	221233
3.76		726204	382380
3.799		906247	700240
3.858		758920	562639
3.9		62415	41552
3.928		456206	331804
3.955		349616	297750
3.978		96261	50557
4.053		519271	375923
4.079		193895	132031
4.11		220396	159033
4.144		586423	563152

RT A	Compound A	Height A	Area A
4.184		191212	153155
4.232		33473	23178
4.271		48071	35858
4.304		321547	218635
4.325		465347	303284
4.348		545363	420620
4.388		1553	489
4.407		13335	8426
4.418		11818	7857
4.455		349472	274172
4.476		175680	109320
4.496		57111	35226
4.538		4194	2847
4.561		17939	13469
4.602		93500	81498
4.653		104376	80490
4.685		78449	60749
4.715		194487	173610
4.763		8842	6318
4.799		96619	92317
4.841		24751	27013
4.888		18160	16321
4.93		114896	108829
4.965		23835	18788
5.041		18601	16765
5.055		4906	3285
5.092		4649	4111
5.128		94418	100053
5.206		44272	42770
5.246		26331	23013
5.285		2257	595
5.309		7901	6984
5.348		6796	5543
5.393		3691	7022
5.451		5132	4287
5.472		8253	5933
5.524		5352	3554
5.553		2279	1087
5.607		41080	41561
5.649		9085	21956
5.708		13641	10232
5.73		100613	88096
5.854		888	1203
5.86		1836	697
5.911		19078	19008
5.957		15364	29532
6.023		4421	10043
6.04		1294	478
6.058		1513	557
6.099		195227	194925
6.162		225094	279136
6.306		2295	4152
6.331		7678	7301
6.371		2057	1826
6.501		1530	1001
6.531		104194	109869
6.612		1163	275
6.678	DCB	5255366	5346365
6.81		2186	961
6.876		1340	419
6.93		1512	444
6.948		1913	1413
6.997		2244	836
7.078		1286	1142
7.127		1881	396
7.289		1865	555

RT A	Compound A	Height A	Area A
7.425		1870	514
7.479		1621	1034
7.527		1671	898
7.623		2152	443
7.917		2109	500
8.065		1313	751
8.148		1698	917
8.182		1492	392
8.262		1508	452
8.285		1508	877
8.368		2237	796
8.412		2046	1809

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:34:14 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.554		2132	1231
1.589		4691	4046
1.658		2114	3326
1.761		10240	14543
1.808		9056	20992
1.849		4188	2674
1.925		2835	4595
1.965		96484	105223
2.033		19246	42992
2.092		29422	20627
2.192		8613	7287
2.211		2239	1198
2.244		2233	1171
2.271		9522	9131
2.337		310514	213818
2.458		4418	6885
2.513		4272	6316
2.562		8023	10072
2.583		63111	42283
2.609		100938	61080
2.653	TCX	16517400	10054140
2.695		164540	135661
2.824		578281	385742
2.851		3228	1545
2.871		136563	62180
2.884		363113	194370
2.936		1650608	1044321
2.987		43465	26687
3.047		99358	59695
3.143		866316	868796
3.195		116470	86994
3.216		57719	33542
3.242		196329	109716
3.265		837906	543266
3.302		42946	26092
3.329		25026	12184
3.348		222588	115153
3.363		142513	70706
3.413		399679	192520
3.423		836506	377042
3.443		30619	10617
3.456		851850	589376
3.53		853155	536048
3.565		524471	320579
3.588		591234	325773
3.606		189820	98332
3.648		3685	2996
3.691		681921	449181
3.714		286449	154867
3.736		247415	149786
3.766		160886	84694
3.784		586528	367773
3.825		219583	163141
3.874		42376	27518

3.895		368648	229345
3.917		771458	473116
3.942		646967	410762
3.961		26651	11002
3.981		35716	20597
4.001		15337	7294
4.017		139905	87640
4.053		424237	306648
4.081		291919	173772
4.127		20043	17571
4.163		83969	64398
4.196		3900	2129
4.22		139162	102554
4.253		83721	58604
4.281		204682	155137
4.319		6046	5809
4.36		15157	8702
4.375		77988	51486
4.411		23706	17345
4.443		126417	94293
4.467		3660	1810
4.486		21835	14408
4.51		23402	14926
4.537		10559	7126
4.612		28695	28111
4.663		121083	94207
4.715		48139	37867
4.742		34039	28193
4.775		7686	7629
4.814		6625	5423
4.889		4747	3378
4.965		14163	10608
4.989		8941	7025
5.035		10767	13053
5.075		3532	2229
5.111		39599	31005
5.136		2785	1594
5.159		20078	16794
5.233		111264	98794
5.35		1940	1373
5.376		7016	5801
5.42		19206	21399
5.575		162231	137079
5.643		189648	165586
5.692		42238	36928
5.799		6862	5848
5.949		2029	1869
5.999		117022	98481
6.158	DCB	6102004	5727556
6.605		4743	4378
6.714		1361	1755
8.292		5686	9057

AR3231724A AAAR323AA ICAL 1724999999 10736 SW-846 8082

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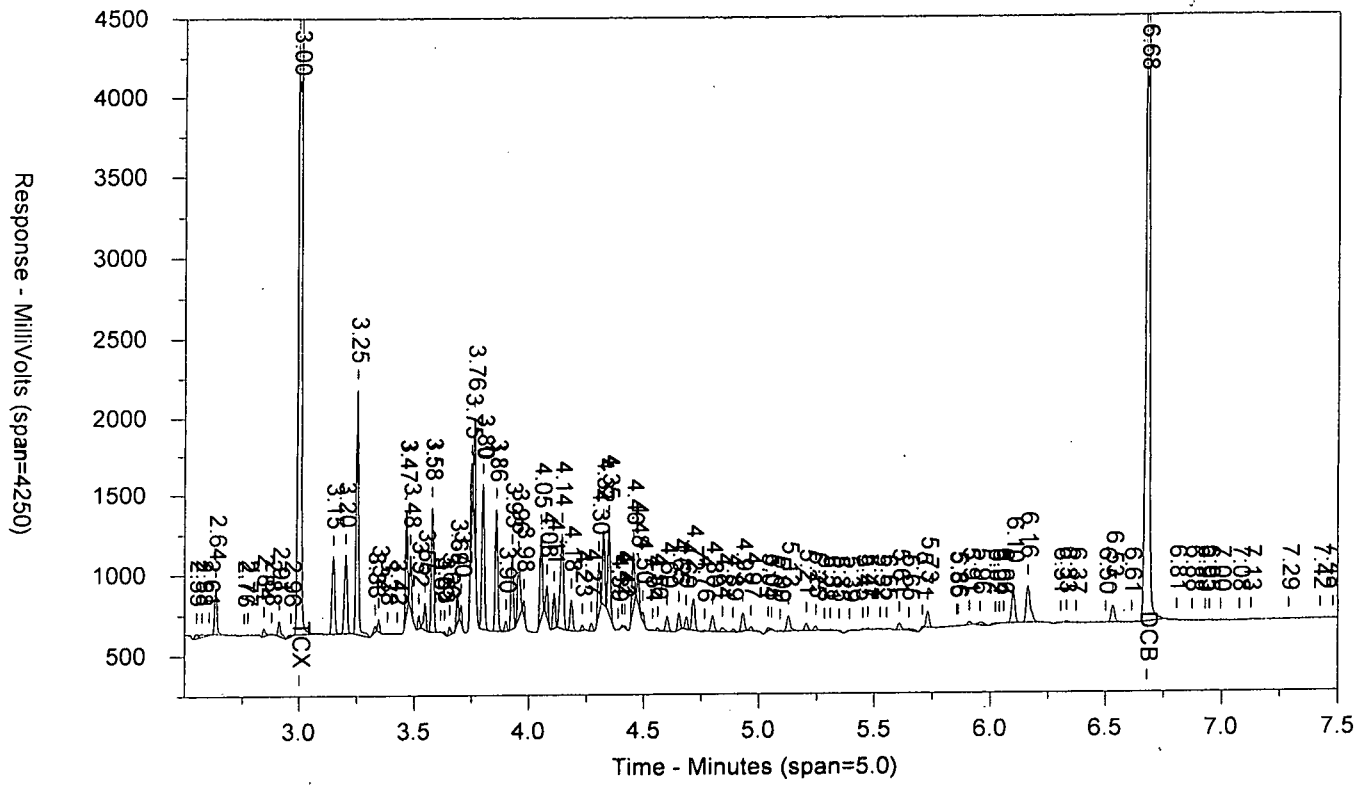

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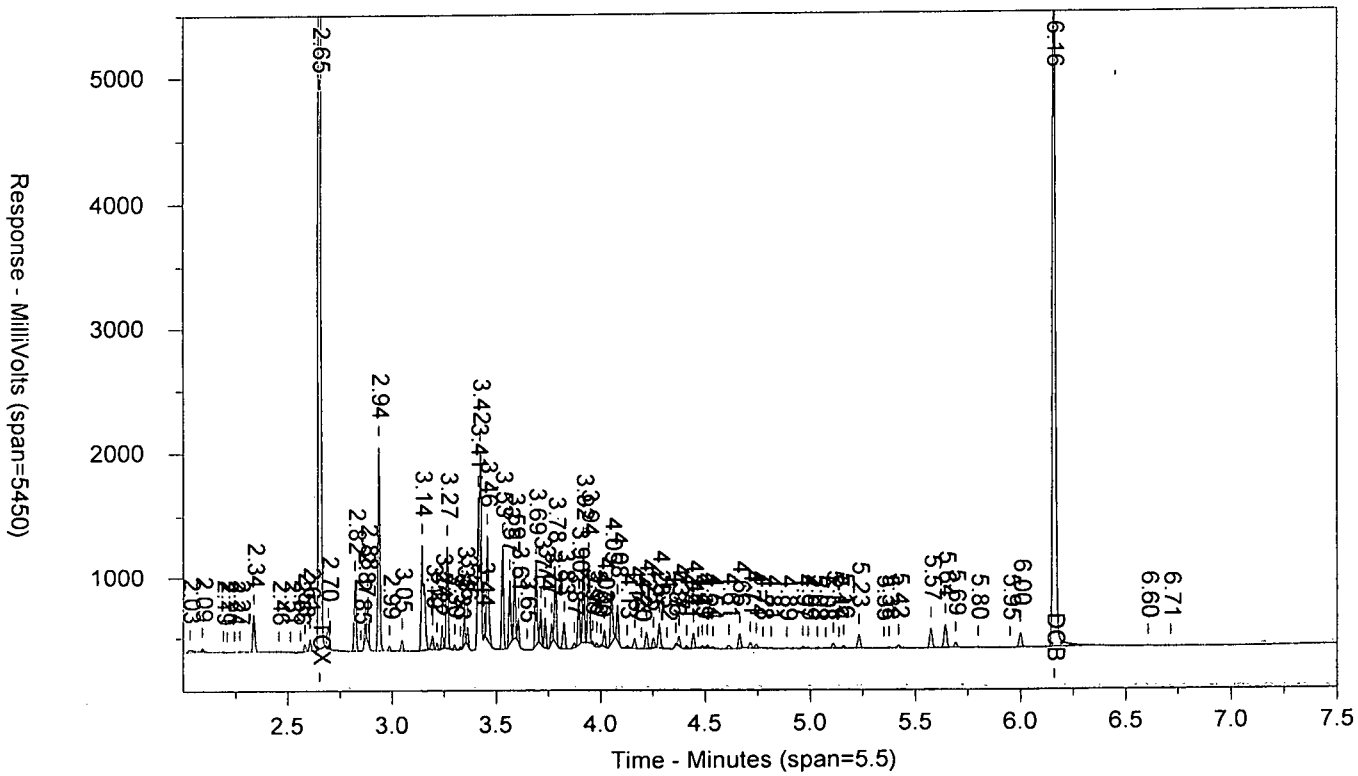

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:34:14 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	15889280	41.979	TCX	2.653	16517400	42.502	TCX
6.678	5255366	38.935	DCB	6.158	6102004	38.304	DCB

Files:
Area File: 07pcbs17250001.0028.RAW
Area File: 07pcbs17250001B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 3:42:56 AM
File Reported On: 9/8/2017 at 3:43:08 AM

AR3231724A AAAR323AA ICAL 1724999999 10736 SW-846 8082

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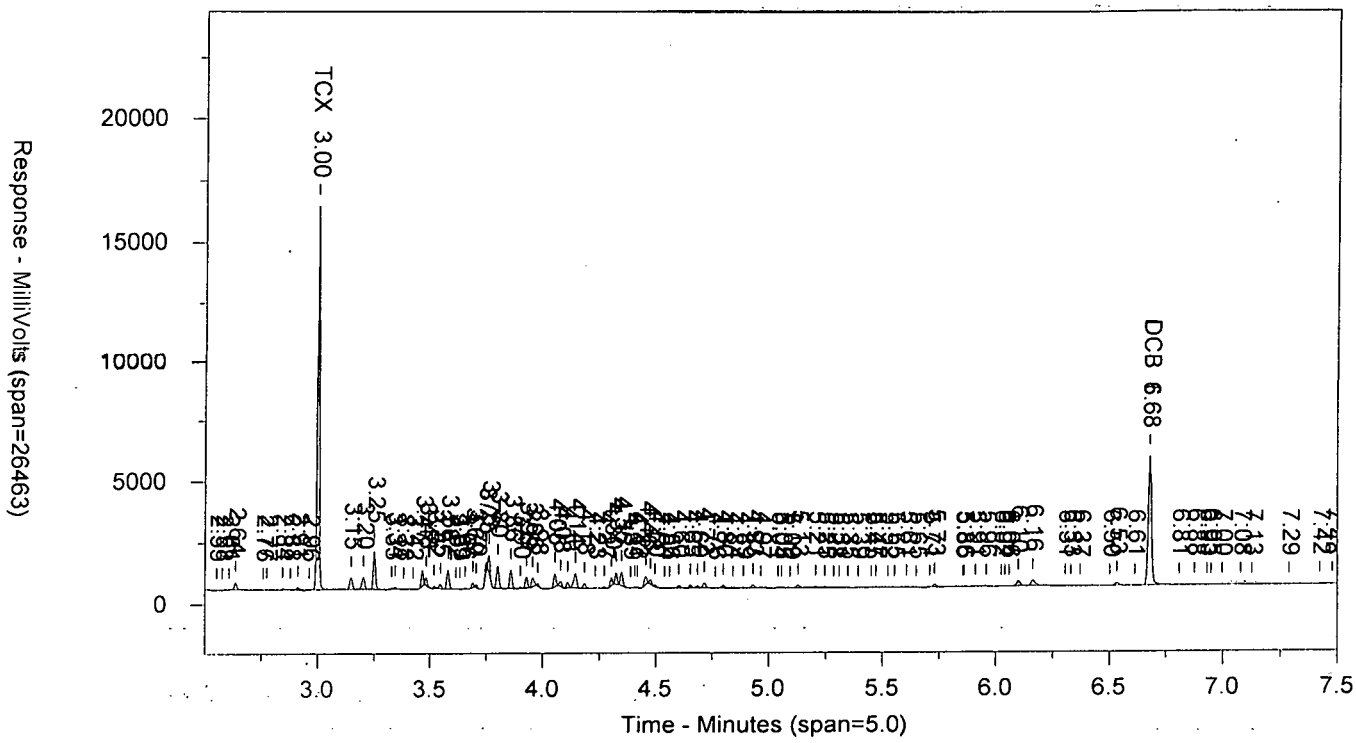

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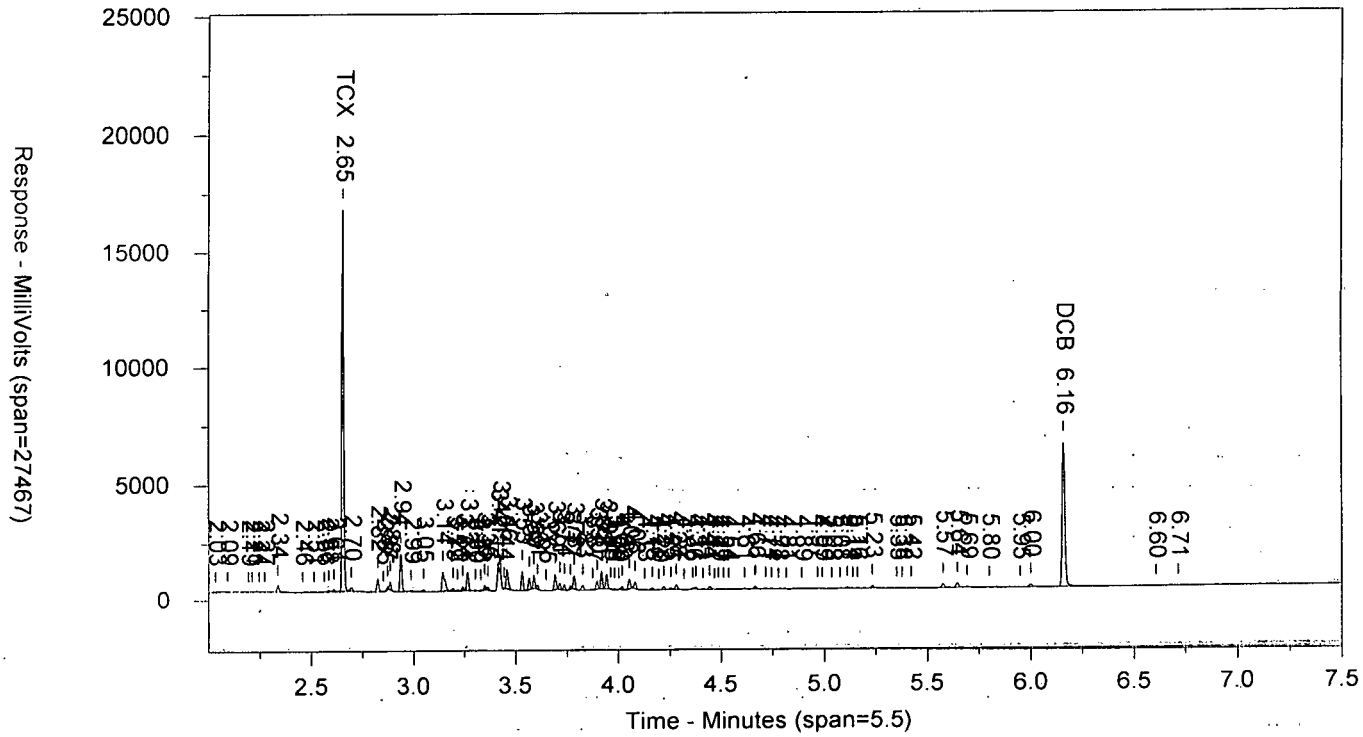

AR3231724A AAAR323AA ICAL 1724999999 10736 SW-846 8082

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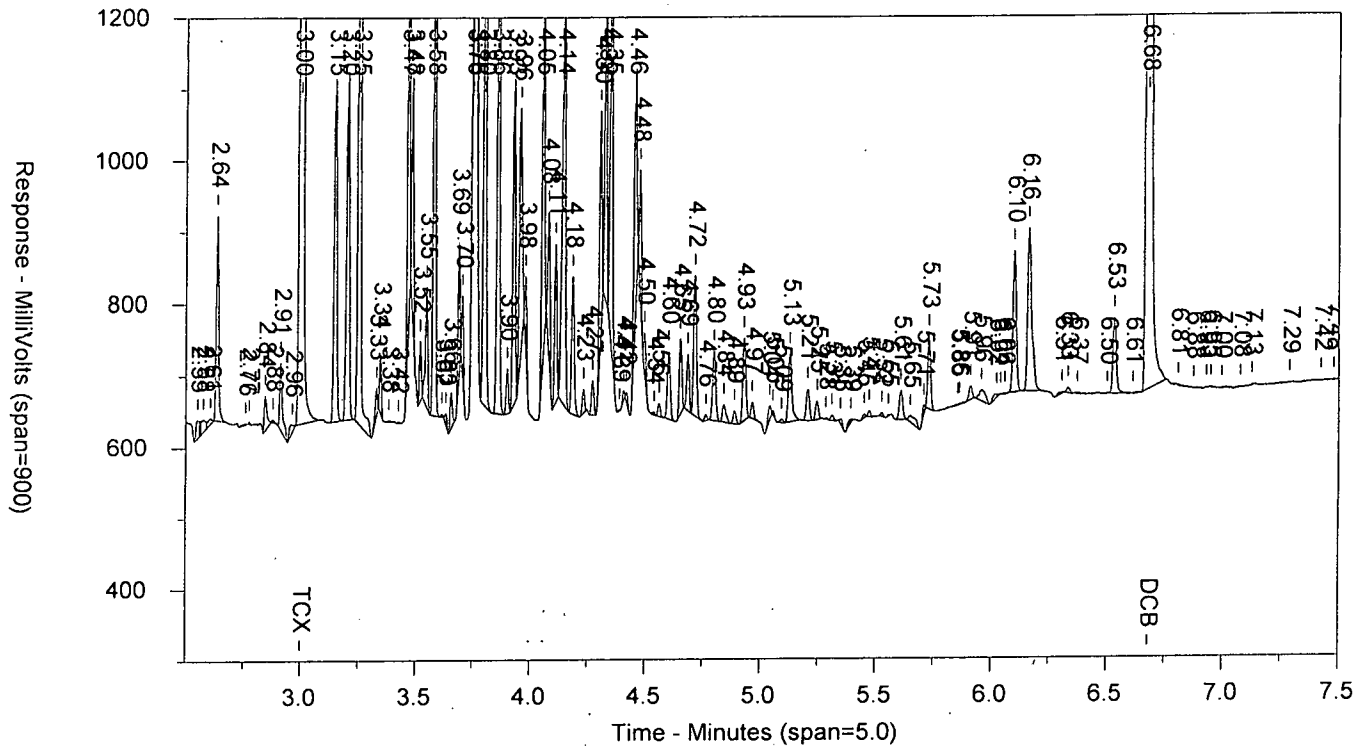

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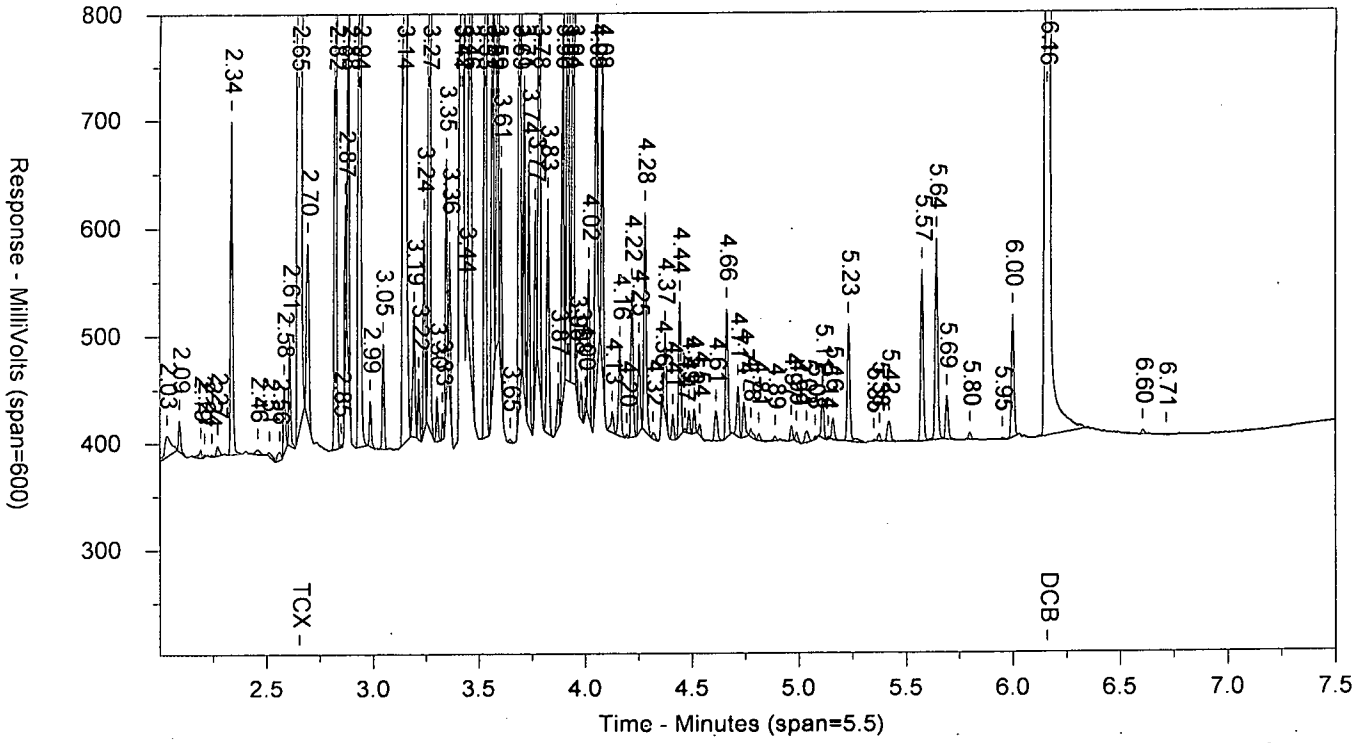

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:45:41 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.521		2854	984
1.546		7716	8594
1.631		16029	18640
1.669		13014	25381
1.704		5003	3343
1.79		6094	5683
2.112		22260	41794
2.147		12826	15904
2.295		120244	86448
2.39		33487	21738
2.404		48936	33147
2.435		5895	6374
2.551		30845	37307
2.574		17776	19158
2.635		23242	15777
2.718		4189	3030
2.757		5862	6204
2.846		12571	8819
2.925		42684	58678
2.967		14042	33672
2.999	TCX	26845350	16719200
3.147		339905	301391
3.2		510005	464468
3.25		1760538	1274834
3.327		54312	38175
3.343		211526	130008
3.385		6143	3344
3.405		2800	1099
3.465		1769878	1048399
3.482		904282	480185
3.519		228466	130016
3.534		44292	16973
3.546		122453	61357
3.579		2109666	1523691
3.615		13035	6717
3.629		29811	16508
3.655		142565	100480
3.688		494182	286501
3.703		259114	132778
3.748		1125049	614592
3.76		2324592	1146095
3.798		2549987	1930116
3.858		2175965	1605515
3.899		188796	129511
3.926		1439267	1012362
3.954		1089743	917661
3.977		291333	154870
4.053		1682448	1171355
4.077		598814	399963
4.109		656139	478423
4.143		1813582	1731702
4.184		560328	457873
4.231		114532	97182

RT A	Compound A	Height A	Area A
4.272		169987	128657
4.304		911701	636627
4.324		1571466	989451
4.348		1781498	1362744
4.405		34935	19991
4.418		53307	30490
4.454		1138586	898090
4.475		575699	343545
4.496		233618	149128
4.537		23415	14256
4.56		72188	54923
4.602		338091	298886
4.653		342028	271379
4.685		300250	231602
4.715		735767	645760
4.762		9437	6140
4.799		342718	324396
4.841		55757	71123
4.888		83749	76728
4.929		501800	469975
4.964		36591	26637
4.991		23354	40195
5.041		48492	42146
5.056		17259	9481
5.081		6716	6772
5.127		368284	379127
5.174		11555	7338
5.205		74758	75832
5.245		107474	90985
5.266		6820	3566
5.285		8356	5381
5.394		6991	17403
5.451		39768	34551
5.473		4971	2908
5.527		3281	2111
5.558		2525	2067
5.607		72980	66724
5.647		41267	87537
5.73		192258	249649
5.842		1494	505
5.861		1418	753
5.909		21673	21314
5.959		31227	68803
6.027		6143	23123
6.06		1919	1231
6.099		317859	301490
6.163		360285	426281
6.307		6180	17717
6.332		6803	5993
6.364		1356	453
6.461		3620	3398
6.5		2248	1168
6.532		143992	139060
6.637		1685	2152
6.679	DCB	8633663	8601598
6.807		5833	5840
6.944		1243	418
7.051		1178	251
7.074		3815	4089
7.091		1448	709
7.12		1346	320
7.134		3150	2357
7.233		1437	1053
7.266		1027	462
7.382		1645	6123
7.617		2346	1914

RT A	Compound A	Height A	Area A
7.664		1130	305
7.677		1830	899
7.689		1522	859
7.857		1013	414
7.95		1855	1579
8.056		1393	463
8.075		1452	411
8.106		1801	800
8.136		1767	659
8.313		2111	809
8.401		1959	1031
8.553		1144	333
8.614		1658	332

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:45:41 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.552		3690	2609
1.588		5849	4712
1.615		5364	3659
1.657		4151	3760
1.762		5744	4193
1.806		2401	2776
1.833		7438	3855
1.849		4208	2484
1.865		4724	3336
1.911		1504	1294
1.967		127466	111224
2.031		12777	18919
2.069		7372	6028
2.092		46759	31916
2.154		1988	1637
2.171		8201	12986
2.21		5901	3758
2.27		12872	11525
2.337		27144	19556
2.367		6050	4027
2.402		3427	2661
2.46		6635	5463
2.511		7192	13811
2.556		15491	16738
2.583		13848	8624
2.61		5296	2969
2.653	TCX	26780810	16135040
2.696		156464	113188
2.735		6535	6570
2.823		422963	292923
2.851		6694	3645
2.87		258926	123628
2.884		302923	154854
2.937		1860148	1143940
2.987		71554	44244
3.047		257191	161505
3.077		4294	3621
3.144		1510613	743025
3.155		533061	209298
3.195		282184	167009
3.216		149065	84912
3.241		199487	113517
3.265		2210237	1488630
3.302		122209	72303
3.329		8305	3594
3.348		579651	307465
3.363		336666	164576
3.413		1418707	617891
3.423		2631488	1112234
3.442		95638	35933
3.456		2355990	1609940
3.53		2487156	1542743
3.564		1647069	985837
3.588		1772266	1001478

3.606		611580	306743
3.646		11823	11300
3.691		2102825	1368163
3.714		797131	440273
3.735		749428	454735
3.765		487509	255447
3.783		1798564	1119766
3.825		675353	490985
3.873		137989	97242
3.895		1005108	620977
3.917		2444532	1547501
3.942		2098642	1312705
3.961		95683	43820
3.981		107996	59760
4.001		45787	19911
4.017		494431	312689
4.052		1369411	996835
4.081		929205	559358
4.11		4603	1871
4.127		73570	49327
4.163		291015	216787
4.195		6578	3325
4.22		540734	415719
4.253		337996	232853
4.281		780909	569895
4.32		14113	13108
4.359		48479	28204
4.375		256824	171539
4.41		95814	69781
4.443		519110	383722
4.466		12270	5729
4.485		35667	20920
4.51		61028	38263
4.536		45653	33302
4.61		72226	64614
4.637		8706	4634
4.663		499505	395422
4.714		67679	57761
4.743		147258	139646
4.79		19419	13130
4.887		4753	4860
4.931		8339	5716
4.966		7740	5186
4.989		54102	45794
5.035		13682	16031
5.076		2438	1206
5.111		64544	50780
5.137		26559	18208
5.158		6121	3288
5.177		4307	2146
5.232		171589	145529
5.351		2667	4314
5.375		6058	4297
5.42		17160	18633
5.575		241998	207626
5.643		296074	249477
5.692		63189	55586
5.799		5559	5099
5.89		1877	2899
5.954		2475	2526
5.999		172178	149703
6.031		3193	2004
6.158	DCB	10108290	9116763
6.605		7382	5874
7.098		1449	1839
8.291		5782	11189

AR4231724A AAAR423AA ICAL 1724999999 10736 SW-846 8082

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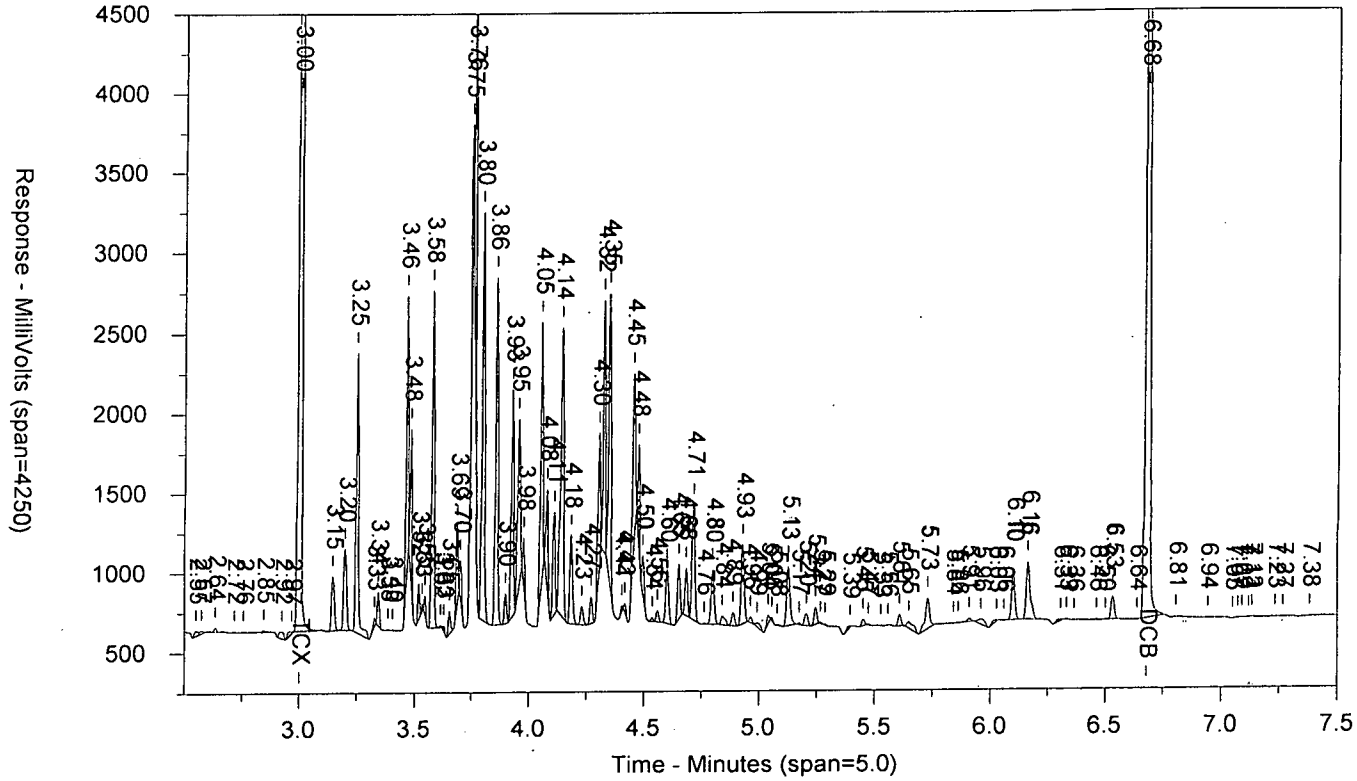

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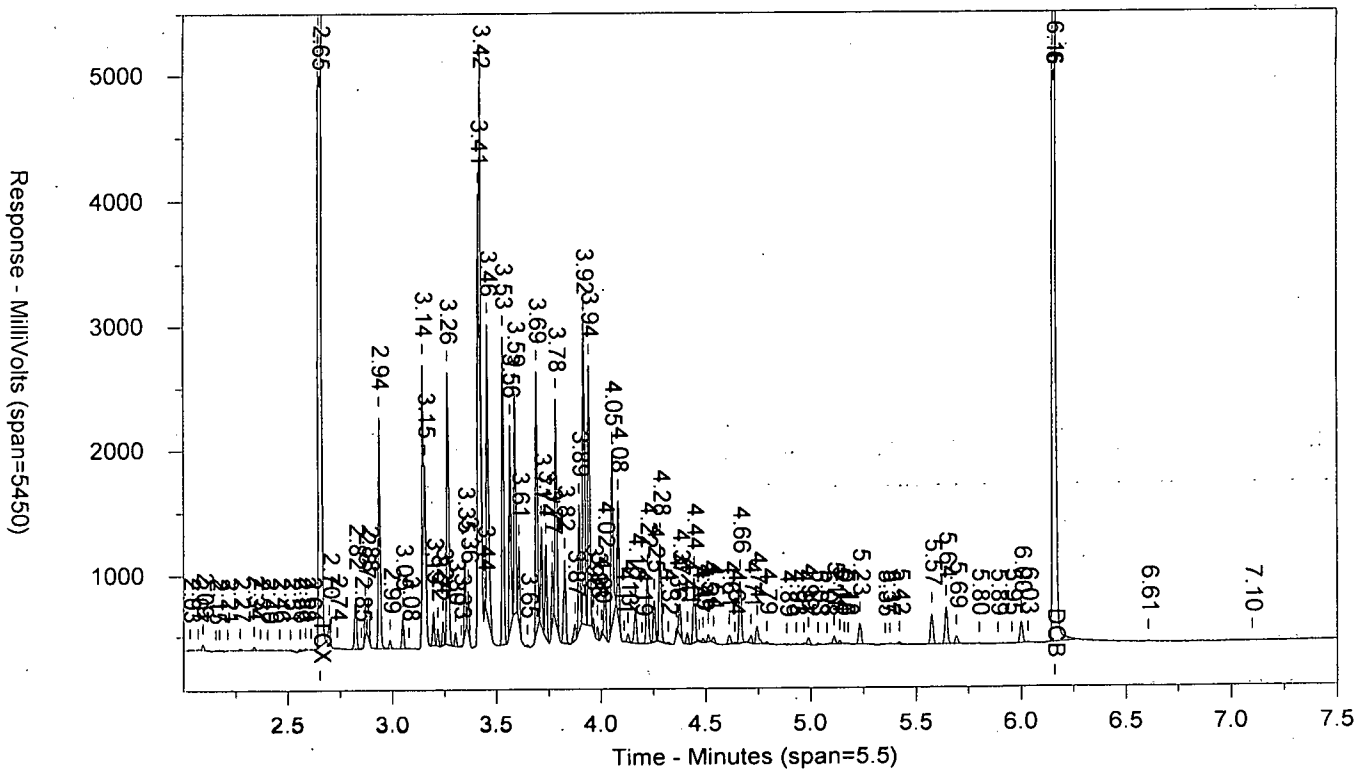

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:45:41 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	26845350	70.925	TCX	2.653	26780810	68.912	TCX
6.679	8633663	63.963	DCB	6.158	10108290	63.453	DCB

Files:
Area File: 07pcbs17250001.0029.RAW
Area File: 07pcbs17250001B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 3:54:22 AM
File Reported On: 9/8/2017 at 3:54:34 AM

AR4231724A AAAR423AA ICAL 1724999999 10736 SW-846 8082

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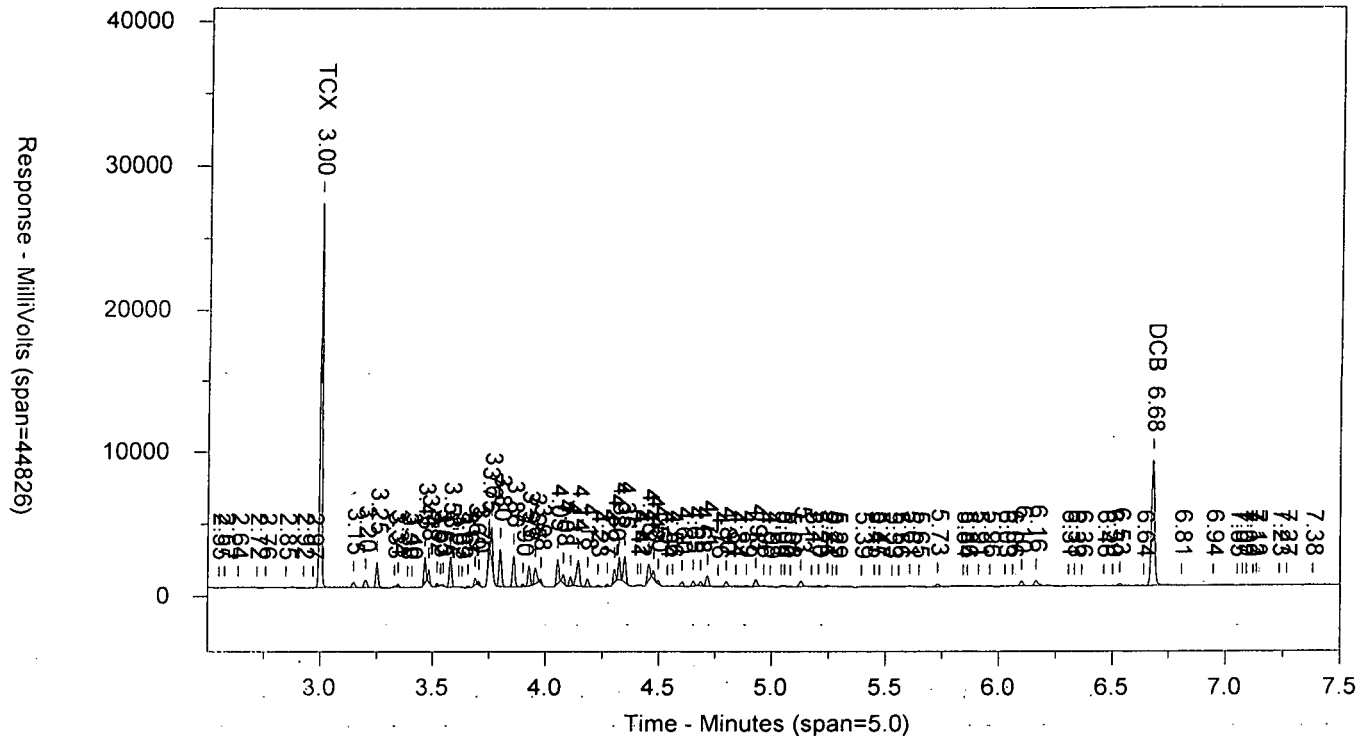

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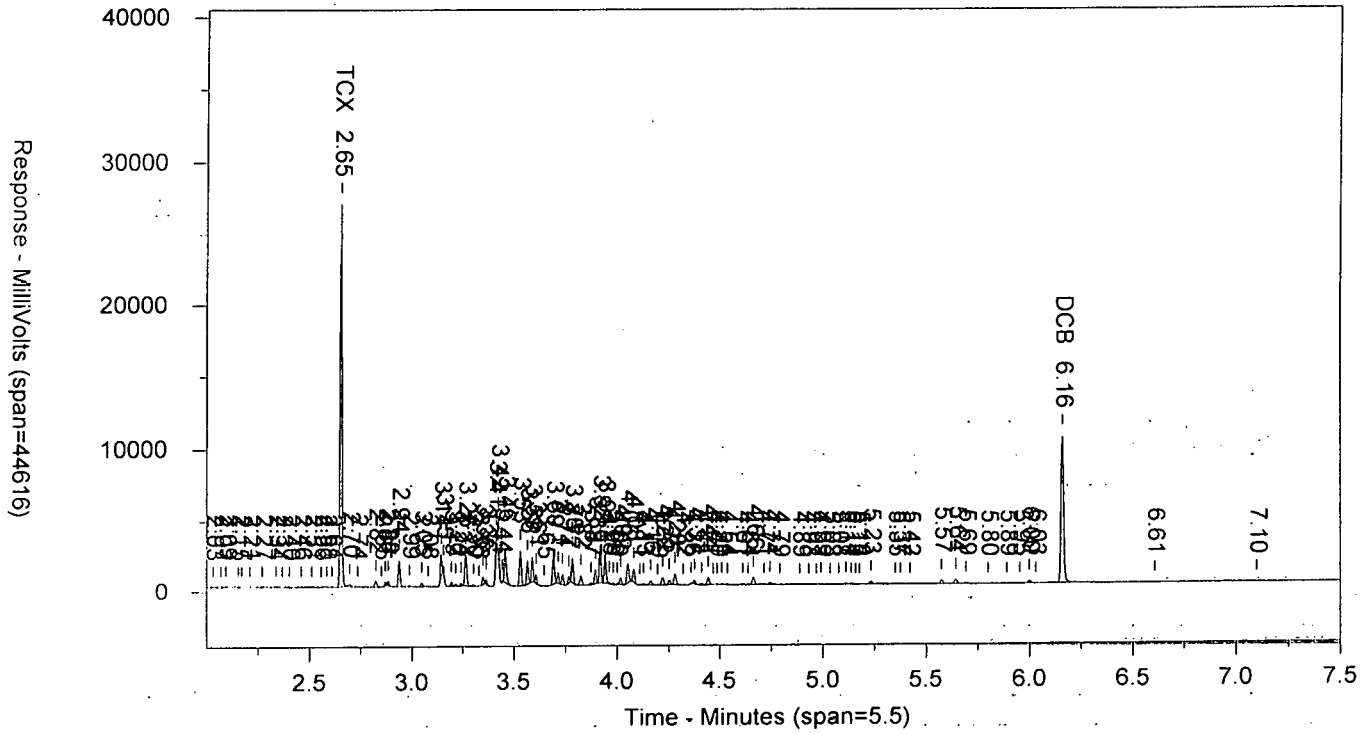

AR4231724A **AAAR423AA** **ICAL 1724999999** **10736** **SW-846 8082**

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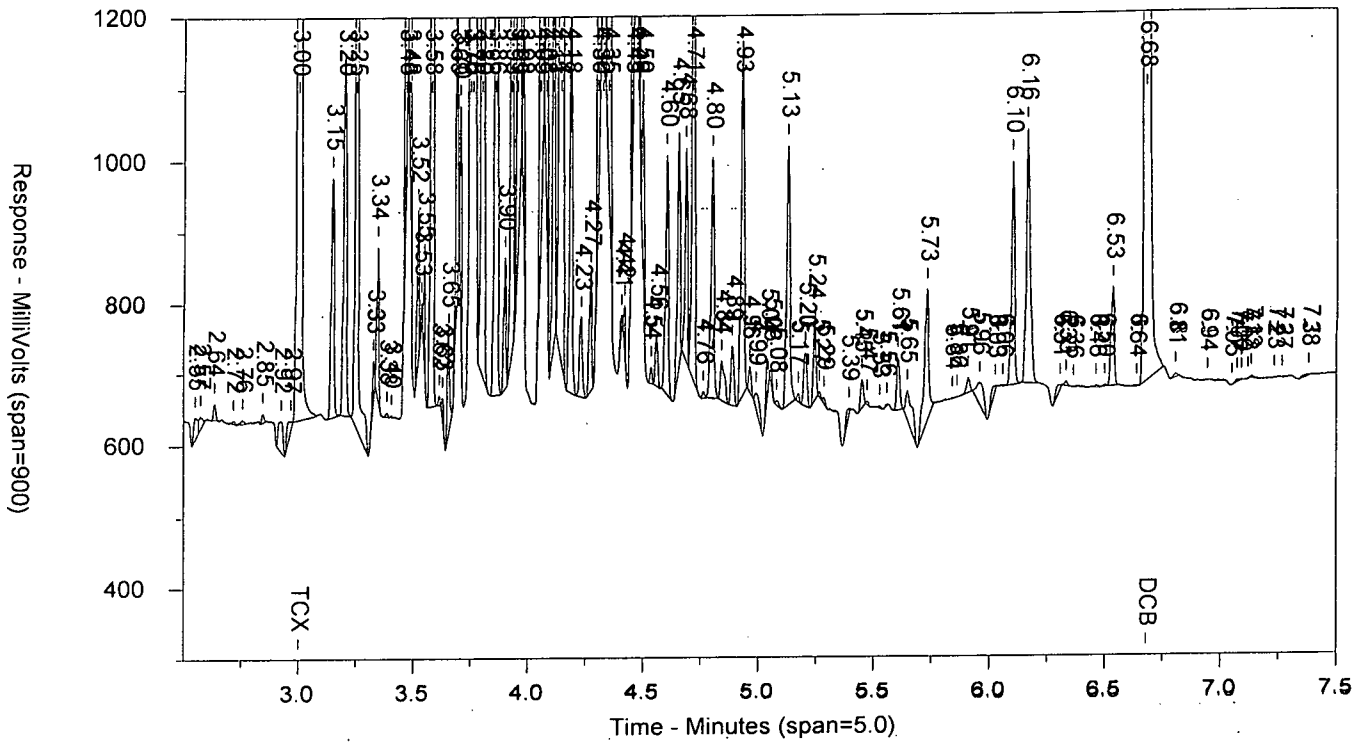

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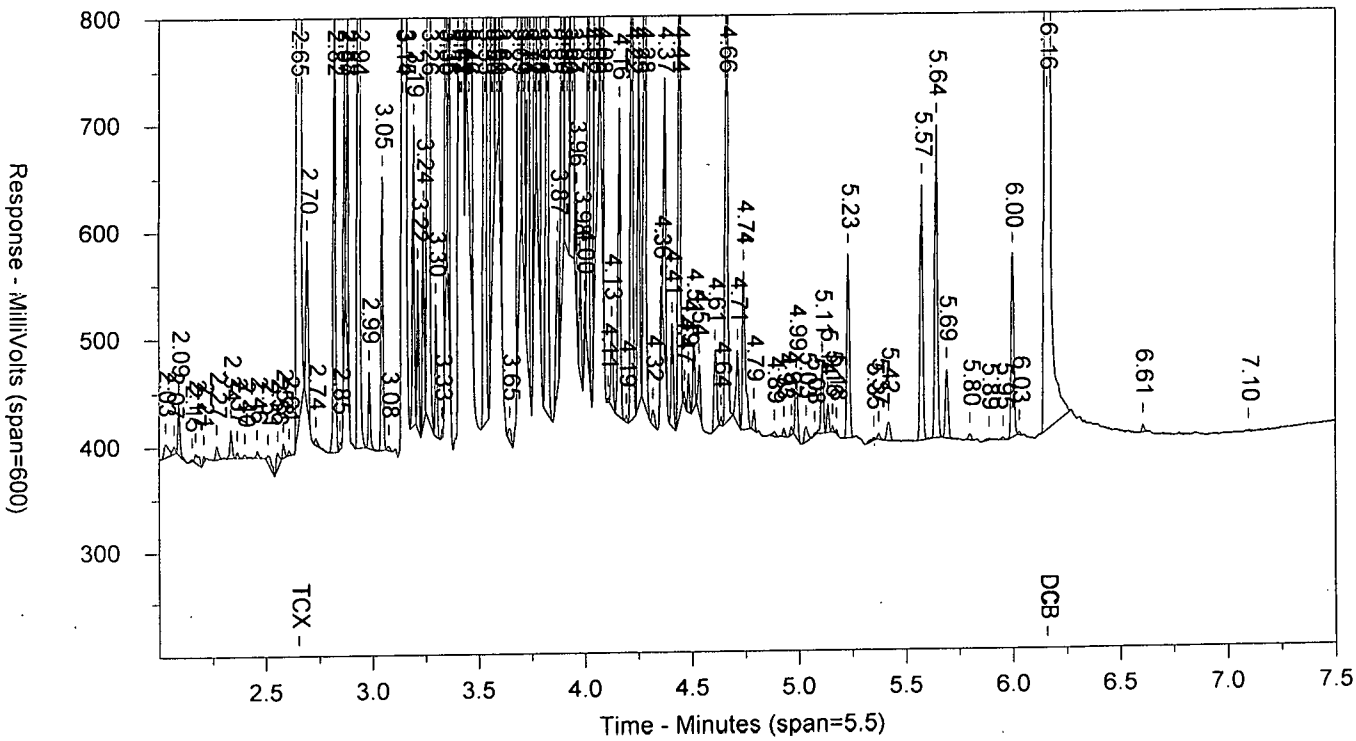

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:57:00 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.634		23460	21873
1.668		8766	21753
2.025		5898	5226
2.11		43322	68497
2.146		63195	227412
2.223		19584	19784
2.294		111092	77413
2.39		94037	62952
2.403		47764	29263
2.435		8723	11685
2.5		4560	3689
2.552		22716	26458
2.581		13162	16175
2.608		6727	8274
2.635		15057	10080
2.822		6340	7540
2.843		23457	28490
2.893		22180	27109
2.919		23230	32390
2.958		6486	8263
2.999	TCX	24323780	15026820
3.146		239507	209652
3.199		421676	378643
3.25		1275079	876280
3.327		42783	23597
3.343		145777	88886
3.383		3596	2191
3.464		1290072	763298
3.481		644914	355319
3.518		164860	95697
3.533		34999	13288
3.546		88286	45280
3.579		1528848	1114523
3.615		8536	4344
3.631		14961	8191
3.653		71575	47124
3.687		362827	210940
3.703		193691	99636
3.747		779319	449140
3.759		1510731	779446
3.798		1807839	1358924
3.857		1581632	1162378
3.899		139037	96668
3.926		1024178	732102
3.953		784044	630495
3.976		211666	122333
4.052		1155120	829348
4.077		456711	290573
4.108		489385	347299
4.142		1267796	1194618
4.183		405762	328226
4.229		60681	50521
4.27		75915	57263

RT A	Compound A	Height A	Area A
4.303		399847	270708
4.323		362656	229483
4.347		345498	257165
4.406		2476	6438
4.418		7964	4013
4.452		104489	92589
4.494		7146	4394
4.6		6796	12562
4.681		5903	7635
4.714		5425	4152
4.747		1431	256
4.799		5573	4547
4.816		1372	519
4.884		2247	893
4.928		7723	6842
4.964		46026	48420
5.003		5072	3333
5.04		4541	5822
5.092		2141	1395
5.121		6596	7088
5.15		3158	2375
5.204		69043	64233
5.247		2901	2159
5.285		1846	737
5.394		2570	5231
5.47		15137	50444
5.501		2345	1681
5.521		2621	2311
5.552		3858	1736
5.606		67220	66661
5.649		1397	674
5.729		166397	165441
5.777		15919	14797
5.802		7121	5641
5.874		4105	4468
5.91		29515	30379
5.956		10476	18580
6.015		4288	5349
6.051		1610	619
6.098		273234	268154
6.161		317417	379064
6.269		5132	6613
6.293		4627	4310
6.329		3762	3358
6.357		1442	545
6.385		1640	1341
6.46		2335	1913
6.489		1384	439
6.499		2835	1288
6.531		140034	138722
6.676	DCB	8033265	7976851
6.791		2767	1573
6.869		2963	1718
6.886		921	306
7.052		1949	433
7.136		3103	2670
7.214		3058	1254
7.363		1481	371
7.417		1534	1027
7.469		1023	795
7.765		1423	944
7.786		2393	1636
7.84		1281	447
7.999		1595	912
8.056		2114	385
8.095		1286	289

RT A	Compound A	Height A	Area A
8.123		1860	963
8.3		1470	1216
8.32		1405	416
8.393		1893	631
8.444		1463	335
8.563		1592	1633
8.608		1471	424
8.653		978	808

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:57:00 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.587		3440	3396
1.668		1868	5634
1.733		11337	17477
1.761		24554	54008
1.823		23693	57253
1.85		15691	26339
1.965		128860	137534
2.03		14556	27406
2.092		43155	29583
2.19		4838	4270
2.224		3084	6115
2.273		6663	7718
2.337		17880	12827
2.396		7817	5333
2.428		4387	5926
2.455		3683	5494
2.512		6320	14698
2.566		4890	10839
2.583		25701	16388
2.61		2746	1384
2.653	TCX	24314680	14485750
2.696		109497	75644
2.823		292688	195995
2.85		3512	1505
2.871		234495	114179
2.884		209441	99380
2.936		1314753	819111
2.987		62703	35903
3.047		186281	115682
3.109		2577	1602
3.144		1689947	1634393
3.195		210936	128357
3.216		106321	60217
3.242		144845	80525
3.266		1639230	1078733
3.302		64320	37213
3.329		13650	5994
3.348		422097	220158
3.363		250396	122060
3.391		3454	1805
3.413		886870	429741
3.423		1854798	789950
3.443		67868	23868
3.456		1662024	1112944
3.53		1781235	1102238
3.564		1148603	712783
3.588		1332239	722149
3.606		453730	223160
3.691		1483438	989680
3.714		580801	323028
3.735		532387	321121
3.766		341980	182448
3.783		1238869	758348
3.825		454495	328237

3.873		56631	46982
3.895		331412	205553
3.917		722992	459688
3.942		334007	208075
3.961		57864	28777
3.98		20139	10999
4.001		4539	1842
4.017		30583	18838
4.053		39446	21465
4.066		35125	15841
4.08		14702	6202
4.115		7154	15610
4.176		3610	1916
4.197		12290	20070
4.252		5949	12057
4.278		6918	7471
4.374		5694	4031
4.444		5991	4144
4.485		41568	31999
4.611		6986	6504
4.666		8175	6435
4.689		12022	13352
4.717		21460	11656
4.788		9520	37034
4.894		5579	5595
4.97		11761	13387
5.017		14009	13192
5.072		2522	1526
5.11		61533	53603
5.165		16619	16127
5.232		159194	136831
5.351		1717	1318
5.373		6426	19734
5.517		2779	38660
5.575		223762	191525
5.643		255207	226413
5.692		60842	50791
5.799		3491	2877
5.952		2409	2352
5.998		142126	120807
6.031		3800	2589
6.158	DCB	9583791	8366248
6.606		7260	6463
7.651		970	2075
8.29		6588	13299

AR16XX1724B AAAR16XAA ICAL 1724999999 10736 SW-846 8082

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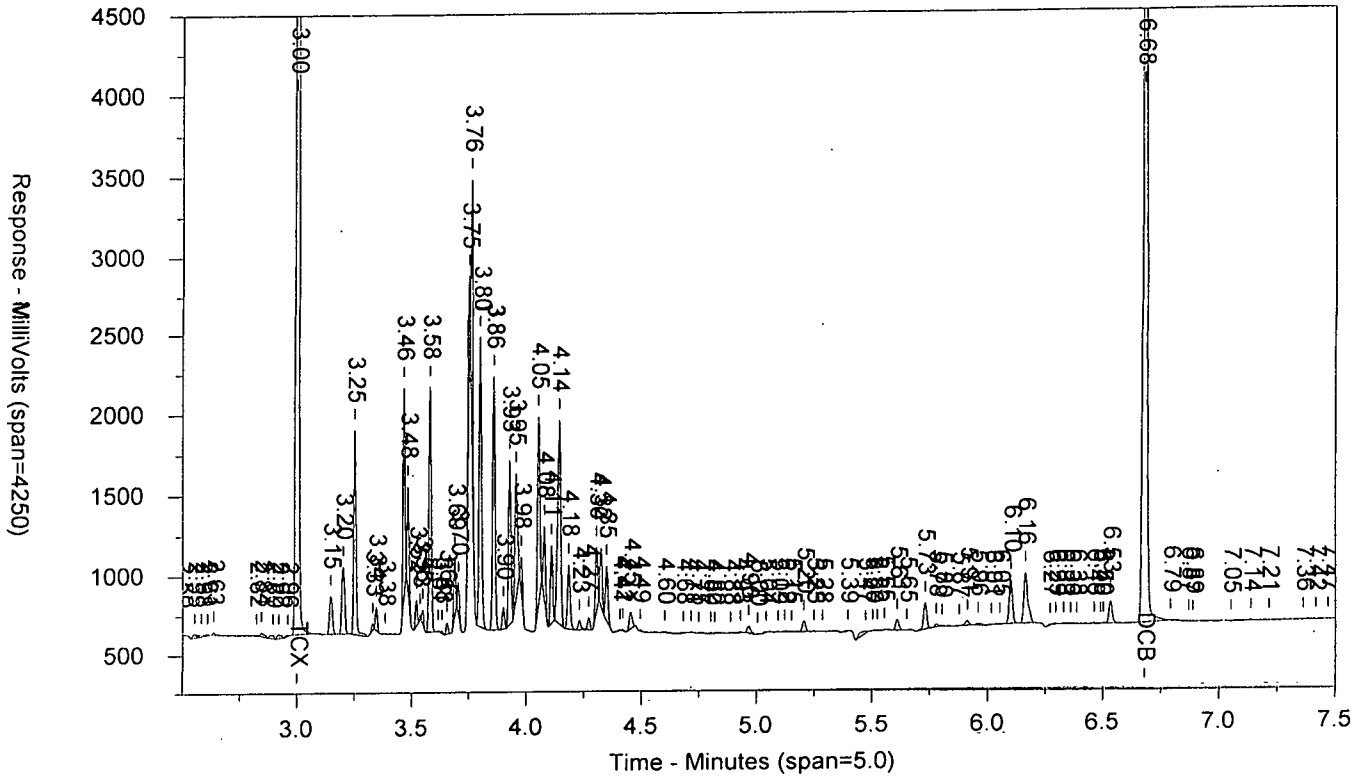

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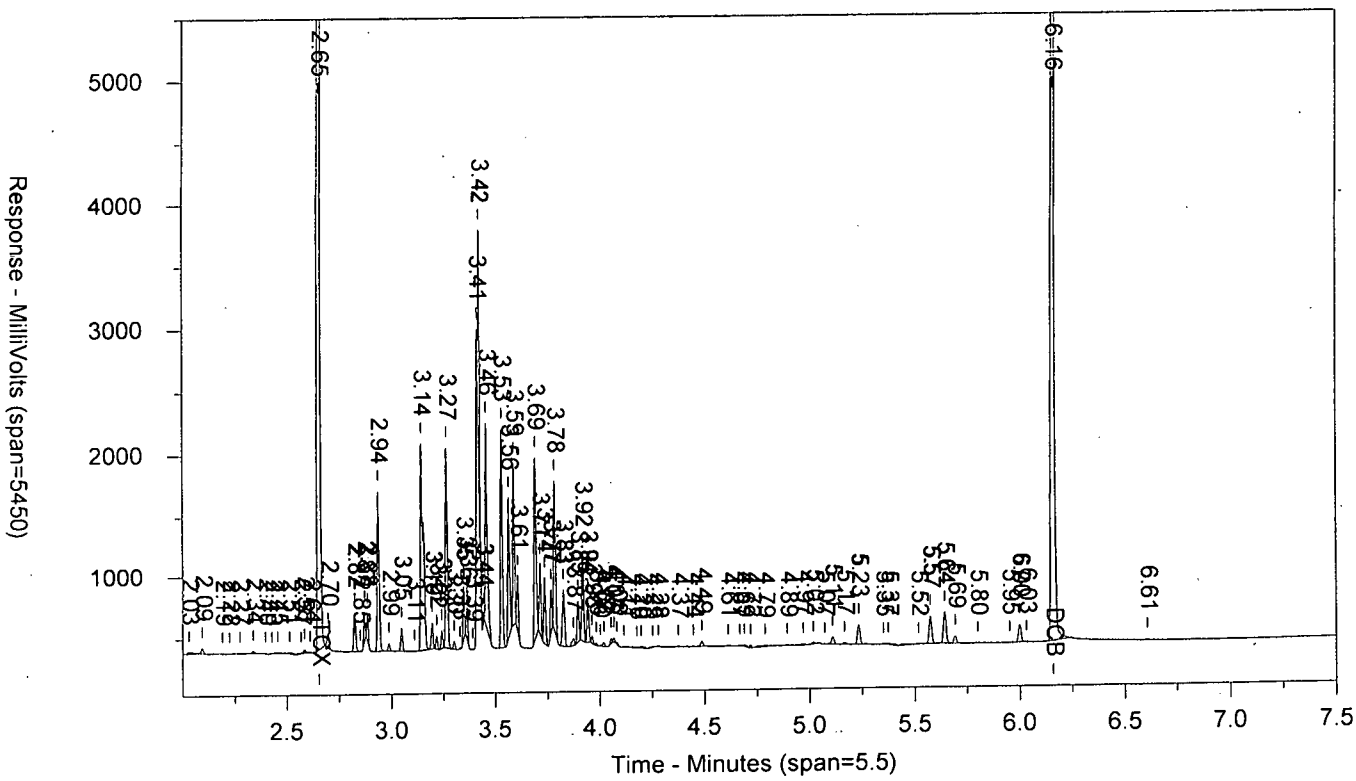

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 3:57:00 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	24323780	64.263	TCX	2.653	24314680	62.566	TCX
6.676	8033265	59.515	DCB	6.158	9583791	60.16	DCB

Files:
Area File: 07pcbs17250001.0030.RAW
Area File: 07pcbs17250001B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 4:05:43 AM
File Reported On: 9/8/2017 at 4:05:48 AM

AR16XX1724B AAAR16XAA ICAL 1724999999 10736 SW-846 8082

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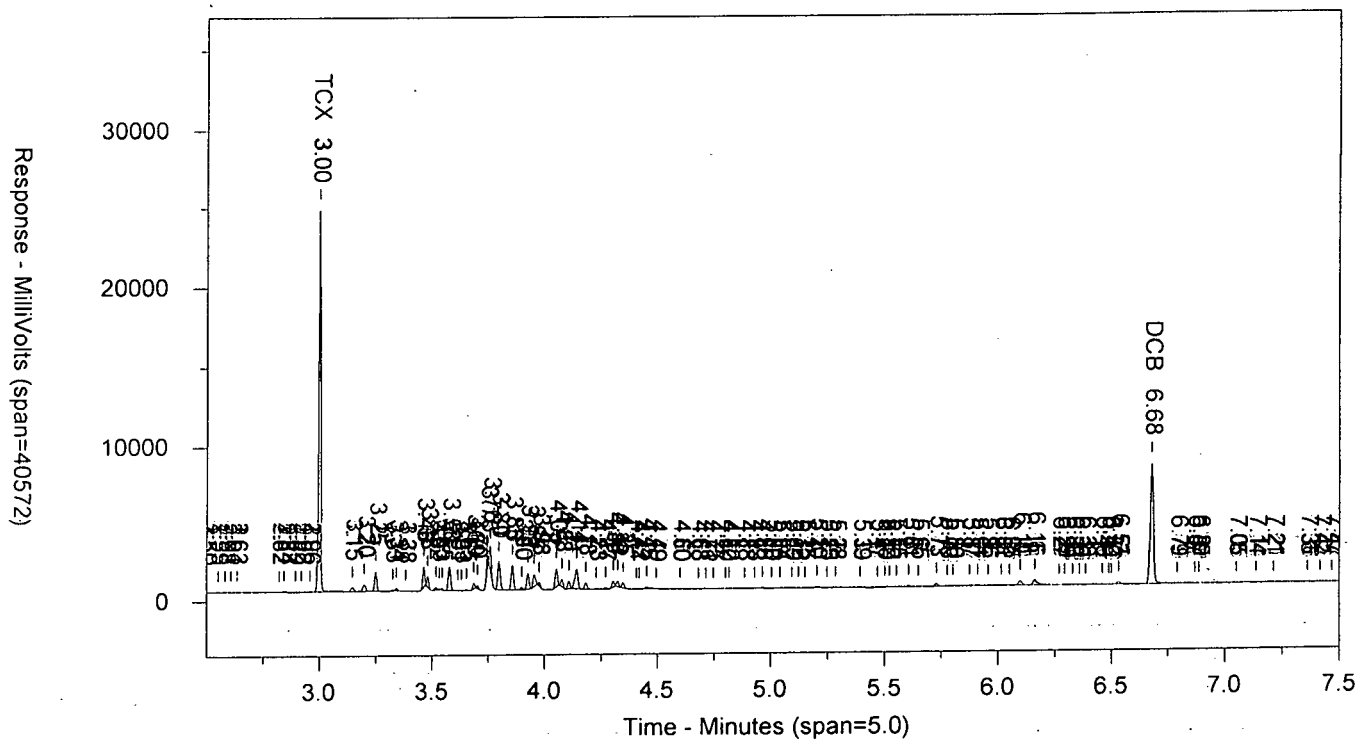

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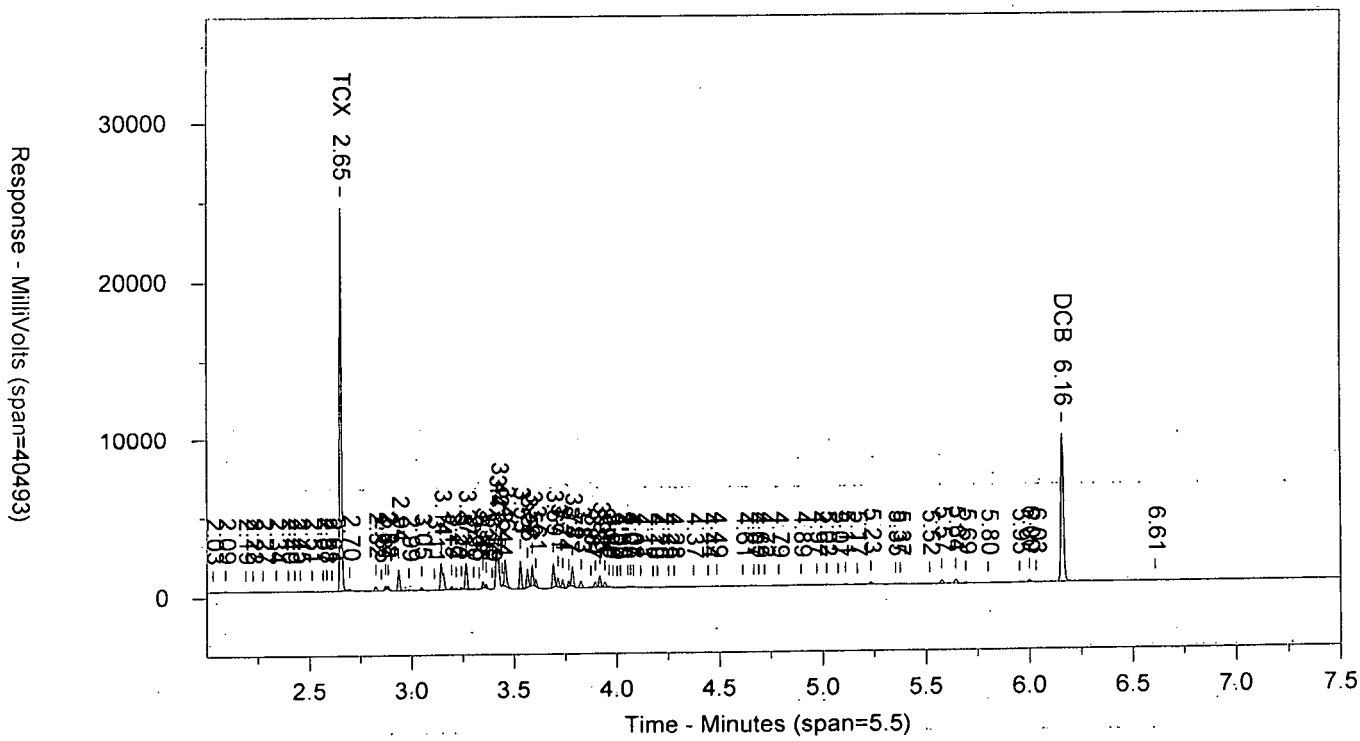

AR16XX1724B AAAR16XAA ICAL 1724999999 10736 SW-846 8082

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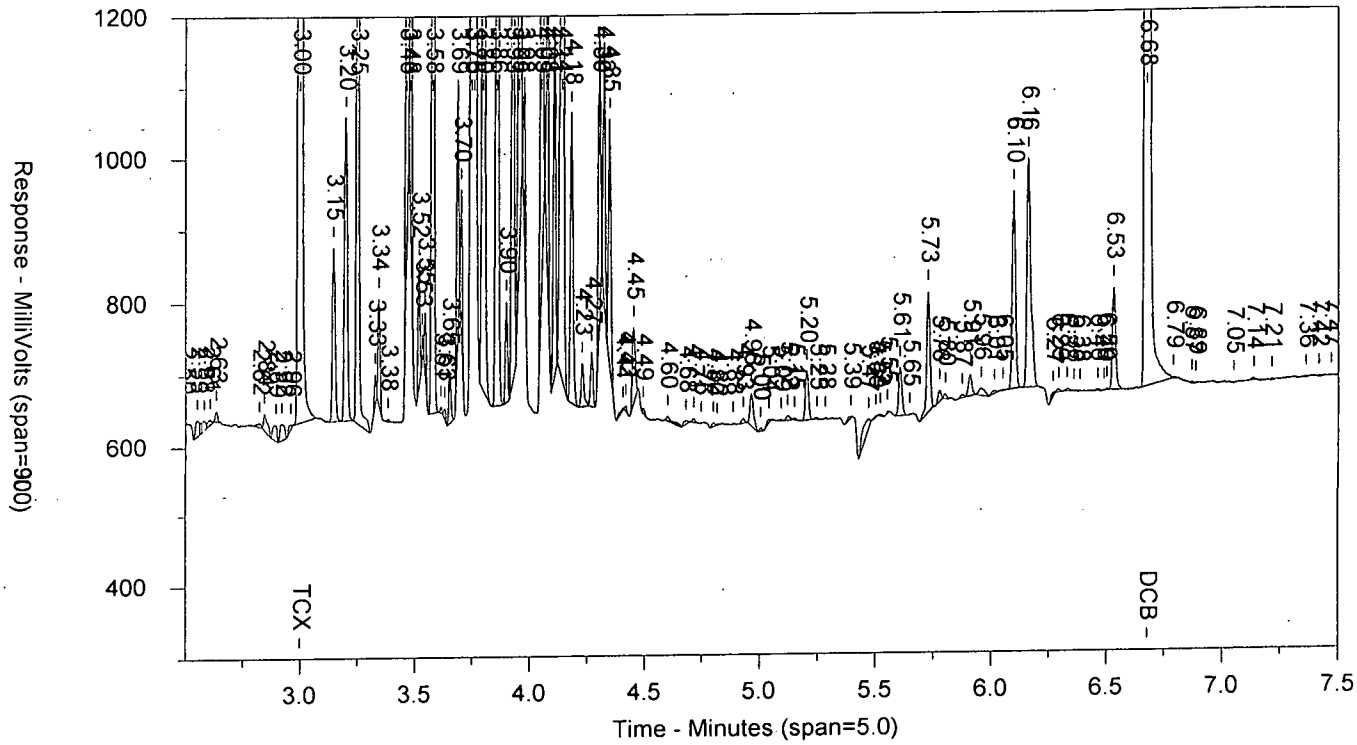

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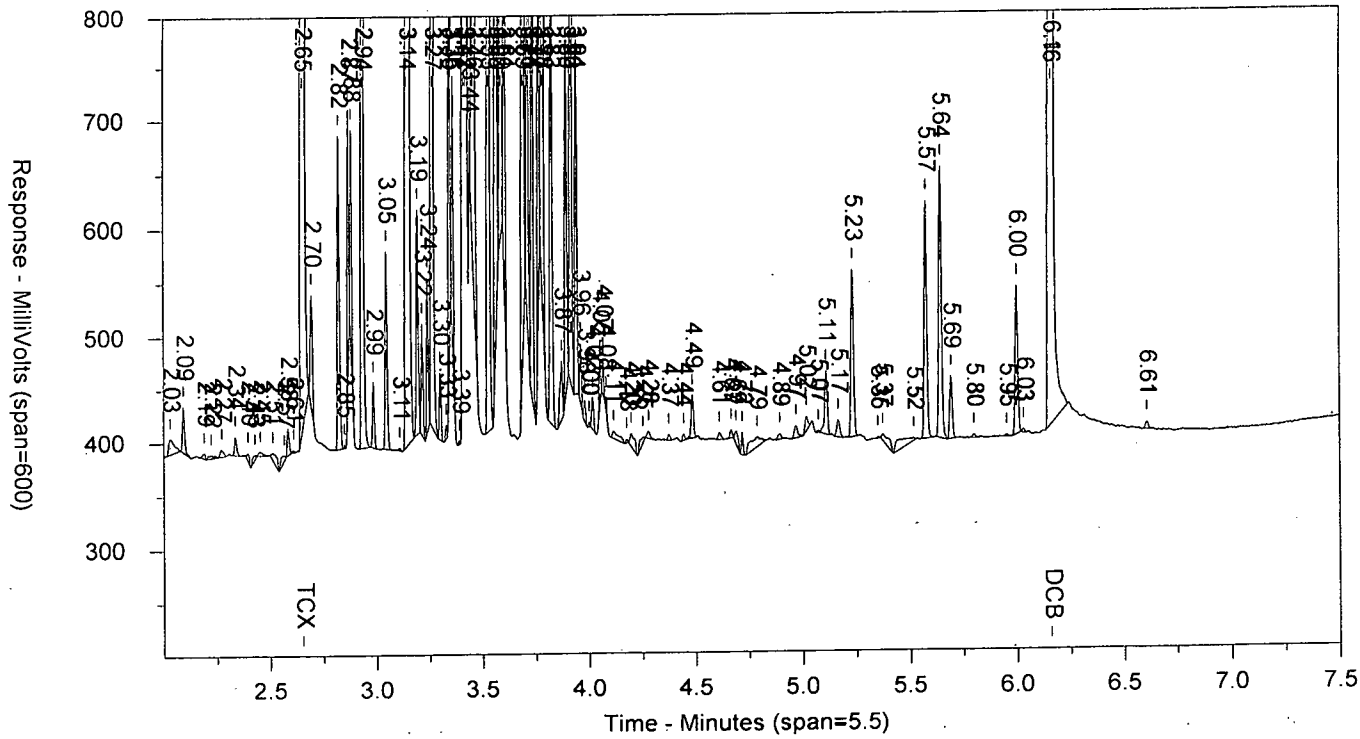

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: MD16X17 24B MD16XAA Sample ID: AA **Batchnumber: 1724999999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 08, 2017 04:08:33
Instrument : CP 7--19843A
Result file : 07PCBS17250001.0031.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.411956
%SSR(DCB) : 132% (45-143) Conc.: 0.531968

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**5.63**	
3.23	3.25	3.27	45328.48	6.894824			1
3.45	3.47	3.49	41323.97	6.140854			2
+ 3.45	3.48	3.49	23574.88	3.503291			2
3.56	3.58	3.60	47699.75	5.946085			3
+ 3.74	3.75	3.78	27628.12	3.517733			4
3.74	3.76	3.78	50637.49	6.447387			4
3.78	3.80	3.82	55441.02	6.014802			5
3.91	3.93	3.95	36548.41	6.46421			6
Height Summation:			**276979.12**				
Amount Avg CF:			**6.318027**	Linear:			
Aroclor-1221					**3**	**50.20**	
3.13	3.15	3.17	7086.006	2.327934			1
3.18	3.20	3.22	6911.174	2.482205			2
3.23	3.25	3.27	45328.48	5.345037			3
Height Summation:			**59325.66**				
Amount Avg CF:			**3.385059**	Linear:			
Aroclor-1232					**6**	**27.98**	
3.23	3.25	3.27	45328.48	5.877022			1
3.45	3.47	3.49	41323.97	12.83081			2
+ 3.45	3.48	3.49	23574.88	7.319839			2
3.56	3.58	3.60	47699.75	12.360178			3
+ 3.74	3.75	3.78	27628.12	7.631741			5
3.74	3.76	3.78	50637.49	13.987641			5
3.78	3.80	3.82	55441.02	12.272006			4
3.91	3.93	3.95	36548.41	16.070834			6
Height Summation:			**276979.12**				
Amount Avg CF:			**12.233082**	Linear:			
Aroclor-1242					**6**	**7.50**	
3.23	3.25	3.27	45328.48	5.14939			1
3.45	3.47	3.49	41323.97	4.669697			2
+ 3.45	3.48	3.49	23574.88	2.664012			2
3.56	3.58	3.60	47699.75	4.522019			3
+ 3.74	3.75	3.78	27628.12	2.37703			5
3.74	3.76	3.78	50637.49	4.356678			5
3.78	3.80	3.82	55441.02	4.348339			4
3.91	3.93	3.95	36548.41	5.078753			6
Height Summation:			**276979.12**				
Amount Avg CF:			**4.687479**	Linear:			

Analysis Report (B)

Injected on : Sep 08, 2017 04:08:33
Instrument : CP 7--19843B
Result file : 07PCBS17250001B.0031.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 111% (53-140) Conc.: 0.444814
%SSR(DCB) : 126% (45-143) Conc.: 0.507737

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**12.53**	
2.92	2.94	2.96	41235.46	6.131068			1
3.12	3.14	3.16	38993.28	4.558668			2
+ 3.12	3.16	3.16	19295.05	2.255766			2
3.25	3.27	3.29	54020.1	6.389361			3
+ 3.40	3.41	3.44	26258.44	2.89782			4
3.40	3.42	3.44	50766.23	5.602441			4
3.44	3.46	3.48	56080.71	6.589346			5
3.57	3.59	3.61	43420.77	6.193978			6
+ 3.57	3.61	3.61	13120.49	1.871639			6
Height Summation:			**284516.55**				
Amount Avg CF:			**5.910811**	Linear:			
Aroclor-1221					**3**	**29.37**	
2.80	2.82	2.84	20776.93	5.671584			1
+ 2.86	2.87	2.90	2855.795	1.2428			2
2.86	2.88	2.90	7065.354	3.074739			2
2.92	2.94	2.96	41235.46	4.5652			3
Height Summation:			**69077.744**				
Amount Avg CF:			**4.437174**	Linear:			
Aroclor-1232					**6**	**31.86**	
2.92	2.94	2.96	41235.46	5.011386			2
3.12	3.14	3.16	38993.28	9.029098			3
+ 3.12	3.16	3.16	19295.05	4.46787			3
3.25	3.27	3.29	54020.1	12.932754			4
+ 3.40	3.41	3.44	26258.44	6.296958			1
3.40	3.42	3.44	50766.23	12.174098			1
3.44	3.46	3.48	56080.71	13.206304			6
3.57	3.59	3.61	43420.77	14.732249			5
+ 3.57	3.61	3.61	13120.49	4.451656			5
Height Summation:			**284516.55**				
Amount Avg CF:			**11.180981**	Linear:			
Aroclor-1242					**6**	**9.89**	
2.92	2.94	2.96	41235.46	4.433568			1
3.12	3.14	3.16	38993.28	5.162577			2
+ 3.12	3.16	3.16	19295.05	2.554599			2
3.25	3.27	3.29	54020.1	4.888173			3
+ 3.40	3.41	3.44	26258.44	1.99571			5
3.40	3.42	3.44	50766.23	3.858367			5
3.44	3.46	3.48	56080.71	4.760692			4
3.57	3.59	3.61	43420.77	4.900029			6
+ 3.57	3.61	3.61	13120.49	1.480646			6
Height Summation:			**284516.55**				
Amount Avg CF:			**4.667234**	Linear:			

Eurofins-Lancaster Laboratories-Multiple Component Data Summary

Sample Name: MD16X17 24B MD16XAA Sample ID: AA **Batchnumber: 1724999999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 08, 2017 04:08:33
Instrument : CP 7--19843A
Result file : 07PCBS17250001.0031.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	55.90	
3.78	3.80	3.82	55441.02	12.201428			1
3.84	3.86	3.88	46588.3	9.638314			2
3.91	3.93	3.95	36548.41	4.541058			3
4.03	4.05	4.07	37650.14	4.142794			4
4.12	4.14	4.16	38083.24	4.84005			5
4.30	4.30	4.34	27609.86	3.285116			6
+ 4.30	4.33	4.34	13277.91	1.579852			6
Height Summation:			241920.97				
Amount Avg CF:			6.44146	Linear:			
Aroclor-1254					6	84.63	
4.29	4.30	4.32	27609.86	3.046644			1
4.63	4.67	4.67	15700.87	1.633636			2
4.69	4.72	4.73	23375.1	1.149631			3
4.91	4.93	4.95	13243.19	1.06549			4
5.11	5.13	5.15	34361	4.831656			5
5.23	5.24	5.27	77706.27	8.317732			6
Height Summation:			191996.29				
Amount Avg CF:			3.340798	Linear:			
Aroclor-1260					6	5.06	
4.82	4.84	4.86	86378.37	5.934874			1
5.02	5.04	5.06	91070.48	6.374598			2
5.23	5.24	5.27	77706.27	5.732171			3
5.45	5.47	5.49	46614.3	5.937987			4
5.69	5.71	5.73	109018.4	5.670823			5
5.89	5.91	5.93	80012.71	6.364273			6
Height Summation:			490800.53				
Amount Avg CF:			6.002454	Linear:			
Aroclor-1262					6	16.50	
5.29	5.31	5.33	43014.77	3.693291			1
5.45	5.47	5.49	46614.3	4.502159			2
5.69	5.71	5.73	109018.4	4.798724			3
5.89	5.91	5.93	80012.71	5.160134			4
5.95	5.96	5.99	27421.59	3.514693			5
6.31	6.33	6.35	25396.57	3.63021			6
Height Summation:			331478.34				
Amount Avg CF:			4.216535	Linear:			
Aroclor-1268					6	84.64	
5.89	5.91	5.93	80012.71	2.876505			1
5.95	5.96	5.99	27421.59	1.140044			2
6.08	6.10	6.12	4333.737	0.187745			3
6.14	6.18	6.18	16253.92	2.681951			4
6.31	6.33	6.35	25396.57	3.570299			5
6.51	6.53	6.55	3796.562	0.081091			6
Height Summation:			157215.089				
Amount Avg CF:			1.756273	Linear:			

Analysis Report (B)

Injected on : Sep 08, 2017 04:08:33
Instrument : CP 7--19843B
Result file : 07PCBS17250001B.0031.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	61.66	
3.44	3.46	3.48	56080.71	14.387059			1
3.51	3.53	3.55	52697.63	9.861808			2
3.55	3.56	3.59	40881.2	4.442778			3
3.67	3.69	3.71	48961.68	4.425502			4
+ 3.76	3.77	3.80	12099.54	1.581614			5
3.76	3.78	3.80	35854.07	4.686732			5
3.90	3.92	3.94	55432.41	3.809181			6
Height Summation:			289907.7				
Amount Avg CF:			6.93551	Linear:			
Aroclor-1254					6	112.30	
4.20	4.22	4.24	9047.696	0.783987			1
+ 4.26	4.26	4.30	11185.84	0.548176			2
+ 4.26	4.28	4.30	9239.554	0.452796			2
4.26	4.29	4.30	30669.07	1.502975			2
4.35	4.37	4.39	91617.84	9.558581			3
4.42	4.44	4.46	8061.824	0.639632			4
4.64	4.67	4.68	9786.581	1.102902			5
4.72	4.74	4.76	96866.1	6.889827			6
Height Summation:			246049.111				
Amount Avg CF:			3.412984	Linear:			
Aroclor-1260					6	4.33	
4.35	4.37	4.39	91617.84	6.147428			1
4.49	4.51	4.53	104337.9	6.102999			2
4.60	4.61	4.64	81046.01	5.862778			3
4.72	4.74	4.76	96866.1	5.806711			4
5.14	5.16	5.18	117944.2	5.476152			5
5.40	5.42	5.44	72531.31	5.686761			6
Height Summation:			564343.36				
Amount Avg CF:			5.847138	Linear:			
Aroclor-1262					6	19.87	
4.76	4.78	4.80	49329.12	3.024253			1
4.95	4.97	4.99	63537.13	4.185922			2
5.14	5.16	5.18	117944.2	4.211268			3
5.36	5.37	5.40	26683.44	2.634241			4
5.40	5.42	5.44	72531.31	4.244926			5
5.78	5.80	5.82	23552.94	3.220779			6
Height Summation:			353578.14				
Amount Avg CF:			3.586898	Linear:			
Aroclor-1268					5	99.77	
5.36	5.37	5.40	26683.44	0.919428			1
5.40	5.42	5.44	72531.31	2.606594			2
5.56	5.57	5.60	3379.568	0.145271			3
5.78	5.80	5.82	23552.94	2.953249			5
5.98	6.00	6.02	7238.19	0.131878			6
Height Summation:			133385.448				
Amount Avg CF:			1.351284	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: MD16X17 24B MD16XAA Sample ID: AA **Batchnumber: 1724999999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 08, 2017 04:08:33
Instrument : CP 7--19843A
Result file : 07PCBS17250001.0031.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 08, 2017 04:08:33
Instrument : CP 7--19843B
Result file : 07PCBS17250001B.0031.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						6.66	4	40	
Aroclor-1221						26.90	3	40	
Aroclor-1232						8.99	4	40	
Aroclor-1242						0.43	4	40	
Aroclor-1248						7.39	4	40	
Aroclor-1254						2.14	4	40	
Aroclor-1260						2.62	4	40	
Aroclor-1262						16.14	4	40	
Aroclor-1268						26.06	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:08:33 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0031.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.642		7333	15559
1.75		4345	3004
1.858		4089	2642
1.966		5415	4617
2.037		2616	3658
2.111		16661	30829
2.15		14274	18467
2.283		8578	6970
2.391		27046	22220
2.435		6784	6058
2.479		9402	6437
2.553		14691	15176
2.574		16470	16556
2.667		10457	8881
2.759		10263	9537
2.845		53004	42378
2.878		2758	1585
2.931		18570	22174
2.956		5405	5215
2.999	TCX	155926	98079
3.099		11546	10411
3.147		7086	5381
3.18		8988	6691
3.204		6911	4536
3.252		45328	34774
3.336		14671	28546
3.387		1708	1184
3.407		6535	5831
3.466		41324	24387
3.483		23575	12427
3.519		4908	2634
3.548		5638	3923
3.58		47700	33023
3.62		8934	12527
3.657		6411	5082
3.689		13247	7381
3.704		4969	2341
3.749		27628	13653
3.76		50637	25888
3.799		55441	42527
3.858		46588	33983
3.899		5490	3756
3.928		36548	25197
3.955		26789	24616
3.979		5886	3266
4.053		37650	26824
4.078		11610	6934
4.109		15077	10533
4.144		38083	36682
4.184		10487	9732
4.248		11086	8926
4.305		27610	19758
4.326		13278	8163

RT A	Compound A	Height A	Area A
4.351		14744	19438
4.399		4271	5473
4.419		6543	4535
4.463		44450	40799
4.546		1562	402
4.599		6180	5461
4.671		15701	11766
4.715		23375	21569
4.764		40051	43725
4.801		9991	6506
4.841		86378	80721
4.927		13243	13334
4.987		14005	15255
5.041		91070	118436
5.092		17019	13958
5.131		34361	37618
5.211		6238	7516
5.245		77706	70741
5.31		43015	37841
5.352		26640	23478
5.393		2551	3772
5.448		9444	7745
5.472		46614	42619
5.529		27276	23479
5.566		14571	13898
5.607		3231	2066
5.649		17060	23538
5.707		109018	101069
5.809		1454	651
5.831		1477	424
5.856		1348	1225
5.864		890	269
5.91		80013	76809
5.964		27422	50130
6.025		2933	4794
6.102		4334	4294
6.181		16254	23671
6.298		1732	1620
6.332		25397	25375
6.48		1716	554
6.488		2182	1133
6.531		3797	2557
6.567		1353	705
6.679	DCB	71804	66266
6.857		1489	377
6.969		1068	1123
7.086		1634	1213
7.148		1014	308
7.17		1544	850
7.19		1144	516
7.219		1668	1175
7.232		1603	378
7.313		2050	1571
7.356		1192	471
7.376		1128	439
7.449		1972	428
7.505		948	358
7.529		1494	686
7.62		1423	622
7.683		1722	560
7.754		1934	800
7.781		1528	563
7.811		1373	547
7.97		2036	486
8.034		1496	721
8.155		1438	376

RT A	Compound A	Height A	Area A
8.198		1388	338
8.252		1488	423
8.334		2045	403
8.435		1706	400
8.476		1868	390
8.5		1280	356
8.523		1337	539
8.556		1937	663
8.604		1050	1104

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:08:33 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0031.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.551		9321	6901
1.587		3184	2925
1.655		9191	7729
1.76		13489	11808
1.802		2147	1915
1.833		6127	5022
1.866		12627	10717
1.959		29827	31436
2.031		14884	21261
2.071		16546	11280
2.172		18084	15123
2.208		2269	1401
2.27		25604	23233
2.325		2836	2994
2.367		17533	12789
2.402		2905	2011
2.424		2225	1578
2.463		18885	15312
2.512		5775	9745
2.556		21913	19540
2.584		61711	49723
2.652	TCX	172865	110890
2.696		5797	4872
2.737		15899	15791
2.783		1979	1158
2.824		20777	16958
2.87		2856	1625
2.884		7065	3656
2.913		11450	9068
2.937		41235	26304
2.996		12291	11008
3.047		5800	5659
3.078		11924	11607
3.144		38993	18355
3.156		19295	7940
3.194		7020	4189
3.217		3318	2073
3.24		10467	7330
3.265		54020	35342
3.316		9328	9310
3.349		13911	7120
3.363		10934	5417
3.392		5658	3316
3.413		26258	12409
3.423		50766	23267
3.457		56081	41871
3.53		52698	33766
3.565		40881	24826
3.589		43421	23901
3.606		13120	7277
3.65		3992	3770
3.691		48962	32355
3.714		25660	16292
3.737		19449	12994

3.766		12100	6590
3.784		35854	23526
3.825		12782	8438
3.868		4202	4066
3.896		7234	4169
3.916		55432	33484
3.942		9885	6134
3.98		19052	16574
4.017		42090	28715
4.064		7892	10495
4.114		5094	9699
4.218		9048	4969
4.262		11186	6482
4.281		9240	4599
4.294		30669	17015
4.319		16117	16747
4.372		91618	68502
4.417		2974	2634
4.444		8062	5240
4.467		20694	14315
4.51		104338	83304
4.614		81046	79005
4.669		9787	7695
4.705		24129	17420
4.742		96866	80893
4.775		49329	36782
4.814		33528	26879
4.913		10387	10211
4.965		63537	48610
4.99		8134	5156
5.039		31785	28772
5.075		14321	11384
5.105		10983	8612
5.137		4200	2446
5.159		117944	99625
5.232		6212	4896
5.35		2013	1374
5.374		26683	21450
5.419		72531	78517
5.574		3380	2909
5.619		1532	1125
5.693		12244	11089
5.799		23553	19989
5.999		7238	6307
6.159	DCB	80885	72318
7.685		1342	1128
8.296		6201	13590

MD16X1724B AAMD16XAA ICAL 1724999999 10736 SW-846 8082

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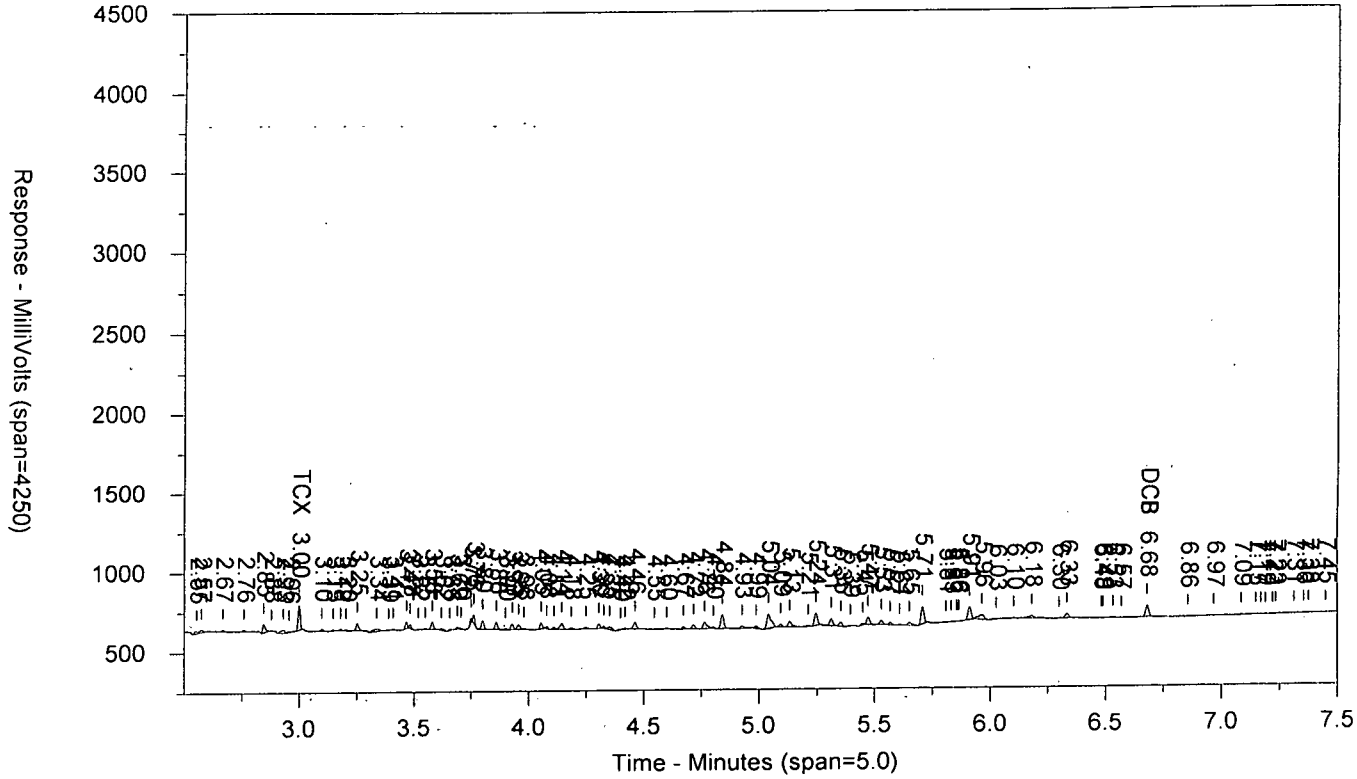

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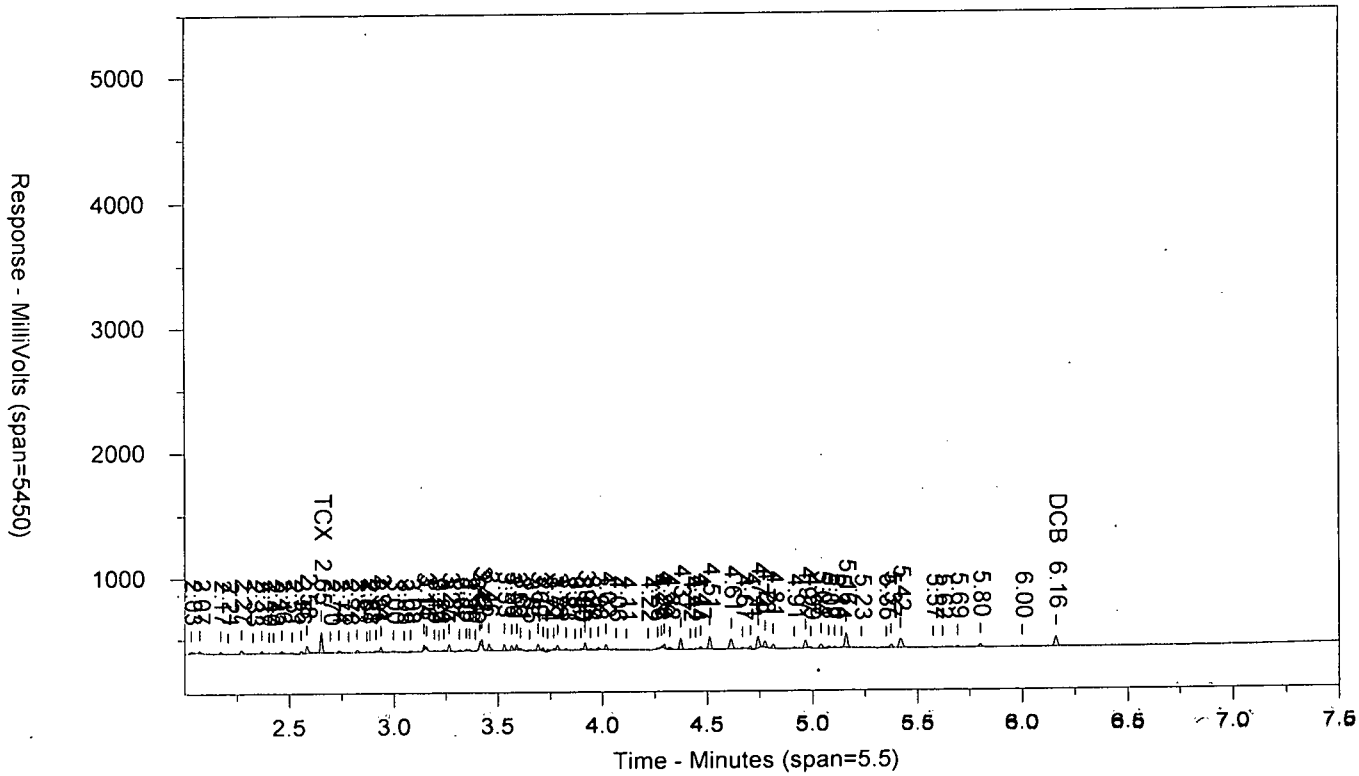

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:08:33 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	155926	.412	TCX	2.652	172865	.445	TCX
6.679	71804	.532	DCB	6.159	80885	.508	DCB

Files:
Area File: 07pcbs17250001.0031.RAW
Area File: 07pcbs17250001B.0031.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 4:17:17 AM
File Reported On: 9/8/2017 at 4:17:24 AM

MD16X1724B AAMD16XAA ICAL 1724999999 10736 SW-846 8082

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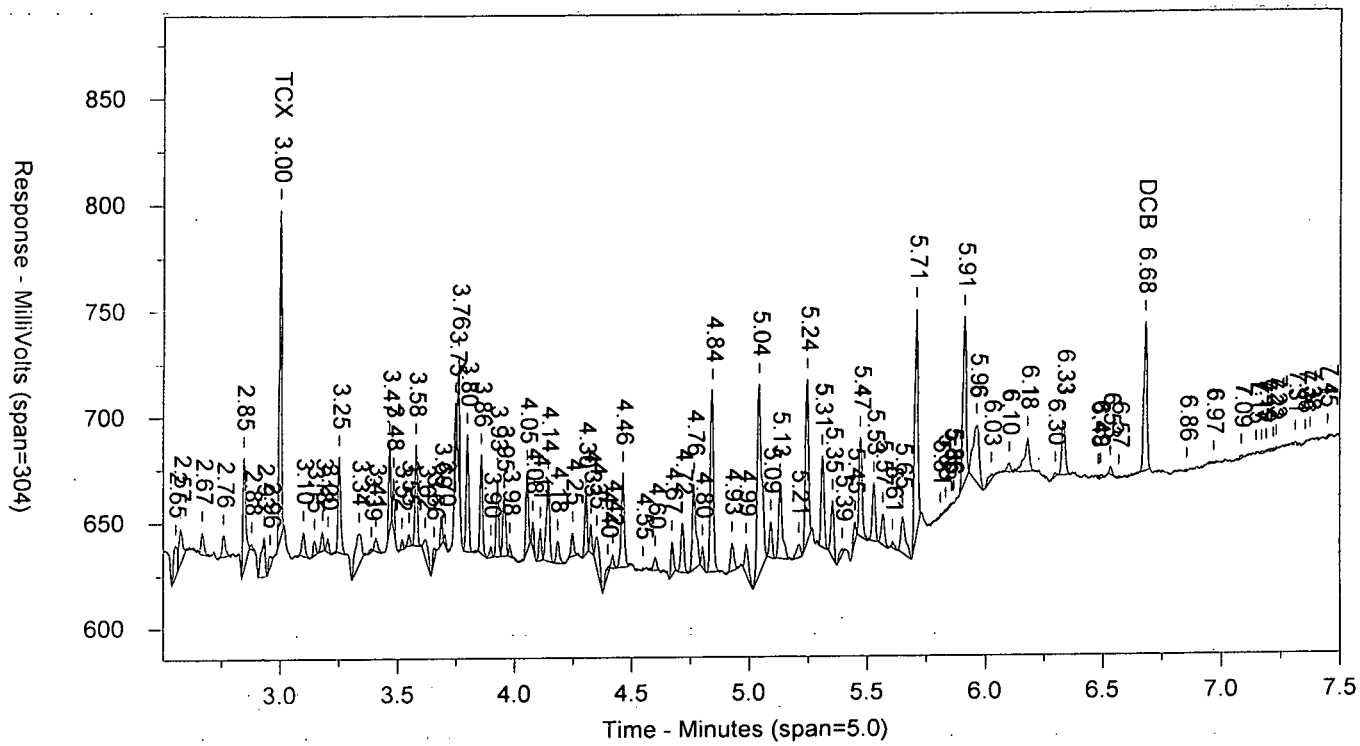

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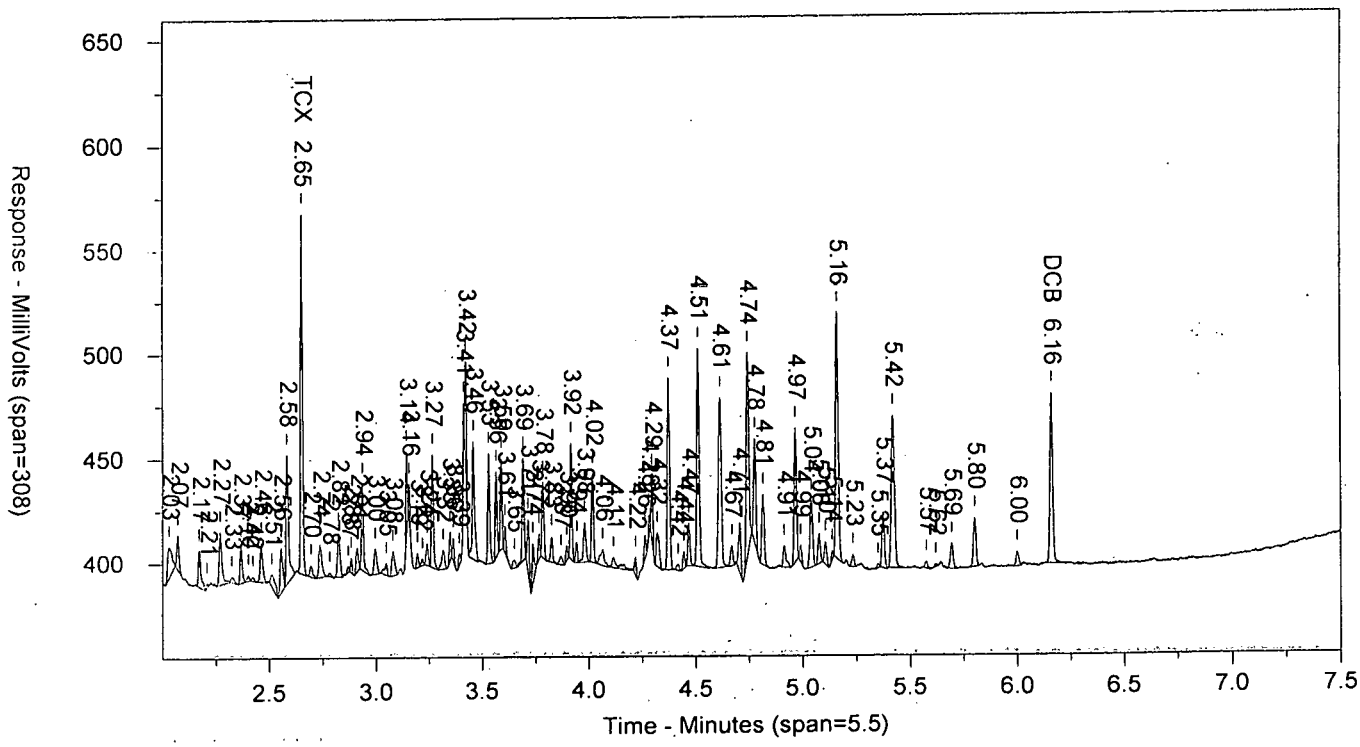

MD16X1724B AAMD16XAA ICAL 1724999999 10736 SW-846 8082

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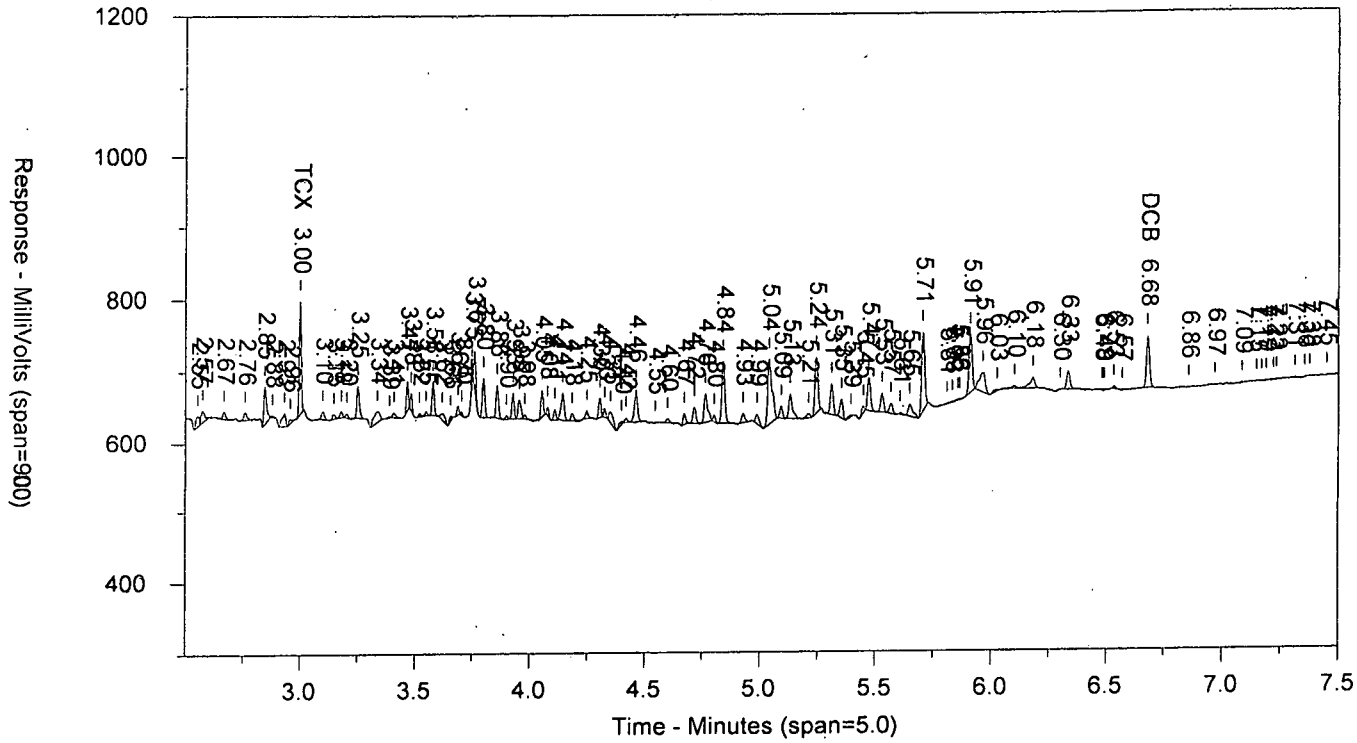

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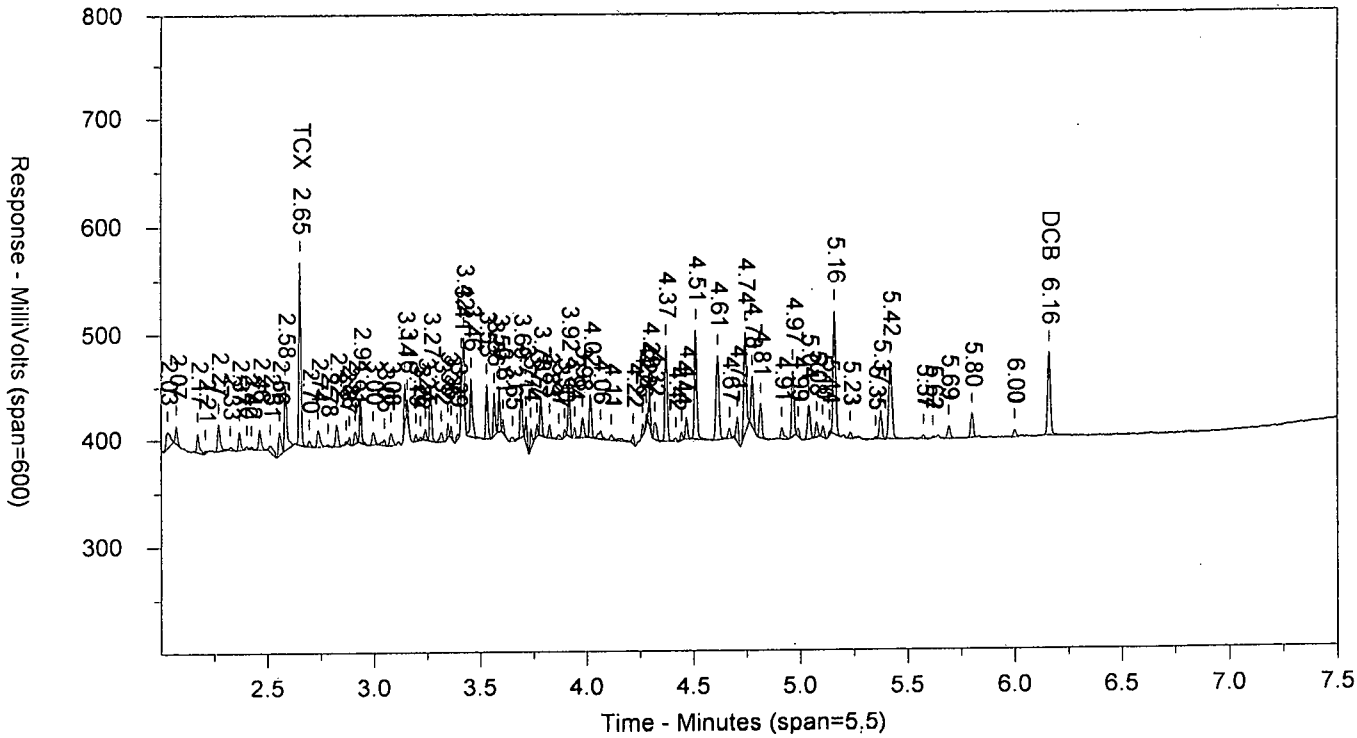

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:20:00 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0032.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.632		5421	4798
1.79		3629	2798
2.113		7690	15693
2.151		11969	15670
2.217		3428	1712
2.295		73303	53641
2.39		28151	20721
2.403		29972	20137
2.436		7248	7009
2.478		5897	3651
2.55		14756	14854
2.575		13313	15464
2.636		15483	10711
2.669		8124	6030
2.721		3468	2153
2.758		8917	7033
2.825		4457	3306
2.845		24428	21035
2.93		20812	30561
2.96		4047	5523
2.999	TCX	15202140	9669563
3.097		9513	8930
3.147		239824	203822
3.175		2845	1305
3.201		346273	305712
3.25		1261651	885955
3.328		24895	13031
3.344		164955	100985
3.386		6123	3608
3.41		5402	4652
3.465		1319845	798785
3.482		700893	370791
3.518		176229	100567
3.534		38281	14005
3.546		87342	43380
3.58		1572717	1172472
3.616		10373	5470
3.631		11907	6662
3.654		80276	51870
3.688		388394	222096
3.703		194511	100576
3.748		779308	446625
3.76		1671664	837843
3.798		1893604	1425727
3.858		1888814	1234427
3.899		147345	103229
3.927		1132894	813247
3.955		771413	682530
3.977		211243	113994
4.053		1217037	872486
4.077		433210	289136
4.109		469517	334725
4.143		1077201	1048155

RT A	Compound A	Height A	Area A
4.184		315400	250926
4.231		27102	20917
4.27		55588	39186
4.306		911369	699725
4.324		115686	59015
4.349		176323	142021
4.419		175909	149686
4.462		1196369	1113030
4.497		37380	25083
4.559		21420	16956
4.601		202721	199391
4.654		109339	73331
4.67		362954	261751
4.715		717145	841991
4.763		1263510	1399853
4.802		312050	218509
4.841		2791439	2545877
4.885		41444	34098
4.928		370126	395991
4.962		47812	32562
4.988		443663	416272
5.041		2680966	3326033
5.092		545148	501913
5.132		1157573	1298590
5.174		10772	5597
5.211		240356	282771
5.245		2449671	2247330
5.266		61203	31726
5.285		36292	18722
5.311		1321218	1204259
5.353		813180	753339
5.447		308339	253258
5.472		1516673	1332803
5.528		852590	778143
5.567		498042	492665
5.608		126064	124664
5.65		534615	564964
5.706		3647836	4015357
5.852		1630	726
5.91		2208273	2190547
5.941		95712	66036
5.964		517704	604007
6.007		4734	5597
6.1		278407	273391
6.162		53440	38003
6.179		342297	268431
6.292		3027	2731
6.332		818060	850578
6.377		53439	46620
6.533		343662	353767
6.638		1560	505
6.679	DCB	5185507	5238829
6.81		3866	4039
6.941		1287	1052
7.085		5225	11557
7.14		3375	2595
7.181		1320	632
7.247		1823	781
7.374		483	4134
7.474		1310	629
7.594		1734	497
7.709		3257	9222
7.732		1293	330
7.844		2228	1163
7.867		1424	447
7.895		1528	402

RT A	Compound A	Height A	Area A
7.971		1057	1233
8.084		1798	6482
8.119		2135	485
8.197		1789	651
8.335		1497	972
8.372		1379	1382
8.605		1439	603
8.627		1659	612

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:20:00 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0032.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.555		7032	6421
1.588		4037	3580
1.659		8091	8038
1.762		12027	8524
1.832		2859	5724
1.867		10687	8273
1.967		85207	76659
2.029		14510	22857
2.071		13394	9423
2.092		27413	17252
2.172		13881	12398
2.209		1709	825
2.27		19735	18629
2.337		16640	12897
2.367		13074	8541
2.401		2339	1674
2.462		14142	10942
2.556		19937	19415
2.584		25081	16107
2.609		3218	1795
2.653	TCX	16117830	9573002
2.696		116174	84034
2.736		11885	11369
2.824		298378	207588
2.85		2825	1372
2.871		149528	70520
2.884		228803	114448
2.91		6842	4166
2.937		1315287	841691
2.987		43986	30862
3.048		194558	125212
3.079		9523	8365
3.144		1793437	1750635
3.195		223066	135169
3.216		114332	63418
3.241		150344	85278
3.265		1727670	1150180
3.302		70316	42572
3.329		7217	3241
3.348		458303	241334
3.363		262434	122407
3.391		5806	2585
3.413		971416	450004
3.423		1930417	838200
3.442		75383	26632
3.457		1791259	1187788
3.53		1944148	1185283
3.565		1329270	791261
3.588		1471943	804583
3.606		454171	233161
3.691		1591943	1041574
3.714		577627	320156
3.735		528770	313768
3.765		368173	196202

3.783		1042997	632371
3.825		356296	249540
3.872		52137	53024
3.895		142364	83398
3.916		1288773	830780
3.942		179550	108750
3.961		27999	13042
3.981		188957	120105
4.017		1202207	851803
4.051		59046	35664
4.066		78646	50195
4.112		6321	3271
4.129		10054	7008
4.153		115655	139843
4.195		6678	3086
4.22		296808	213905
4.263		395698	241806
4.281		268101	123667
4.294		968243	554613
4.321		543881	541075
4.373		2868243	2178576
4.418		51593	50653
4.443		204016	135236
4.468		616729	463052
4.511		3380604	2516944
4.614		2737808	2577315
4.667		348510	285400
4.706		738554	626850
4.742		3118063	2638069
4.775		1700669	1180472
4.813		1137490	865105
4.884		4711	4637
4.913		386971	385834
4.965		2096878	1624209
4.989		227495	149582
5.04		1071572	961742
5.075		513607	410669
5.105		394253	323496
5.137		122266	75266
5.159		4329332	3487257
5.2		77599	58381
5.232		233097	192705
5.351		44200	28532
5.374		832547	691212
5.418		2525829	2759979
5.574		223624	192640
5.619		54285	37795
5.643		208176	165422
5.691		440695	388112
5.8		820993	711701
5.831		45800	33897
5.999		385394	331425
6.158	DCB	5928395	5409354
6.608		4888	7857
7.207		1590	2938
8.138		1480	1822
8.298		6241	13011

IC16X1724C AAIC16XAA CCAL 1724999999 10736 SW-846 8082

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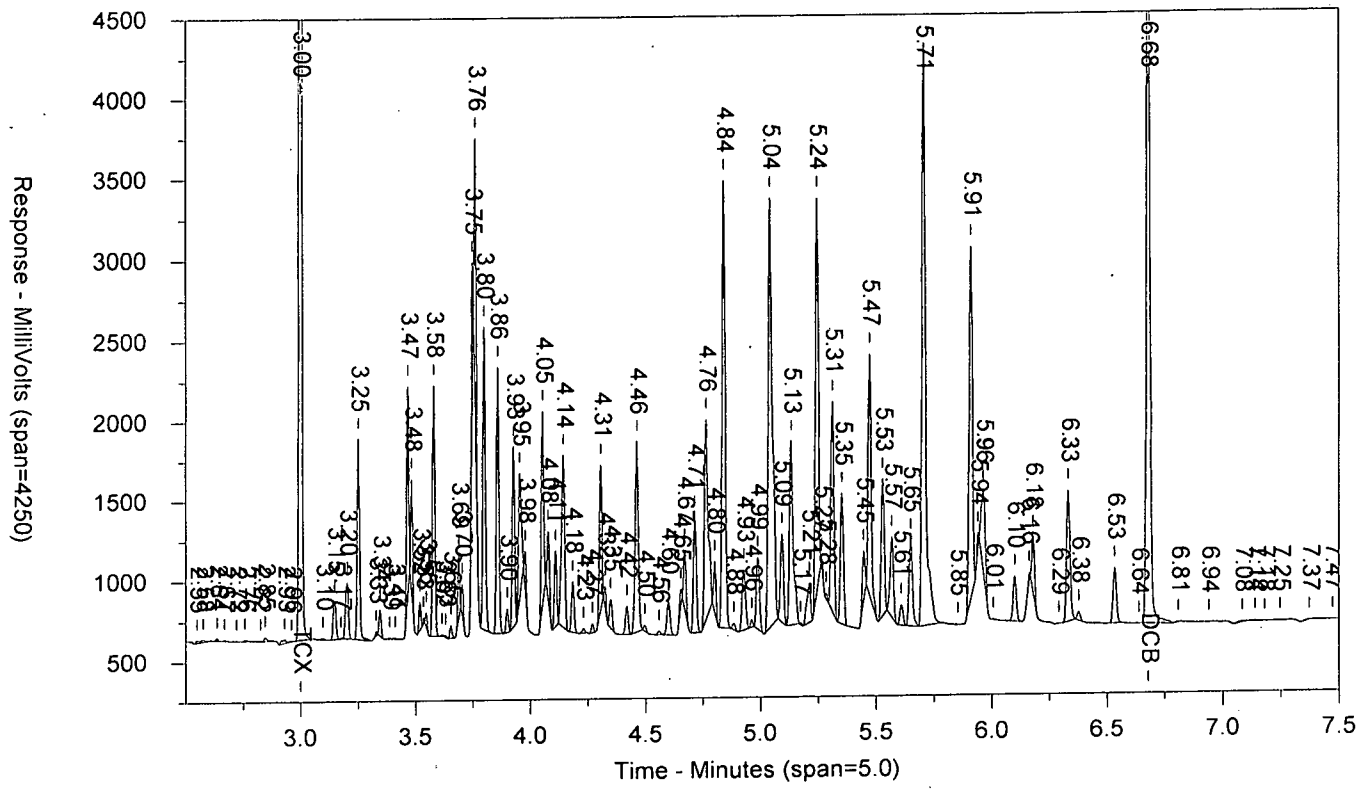

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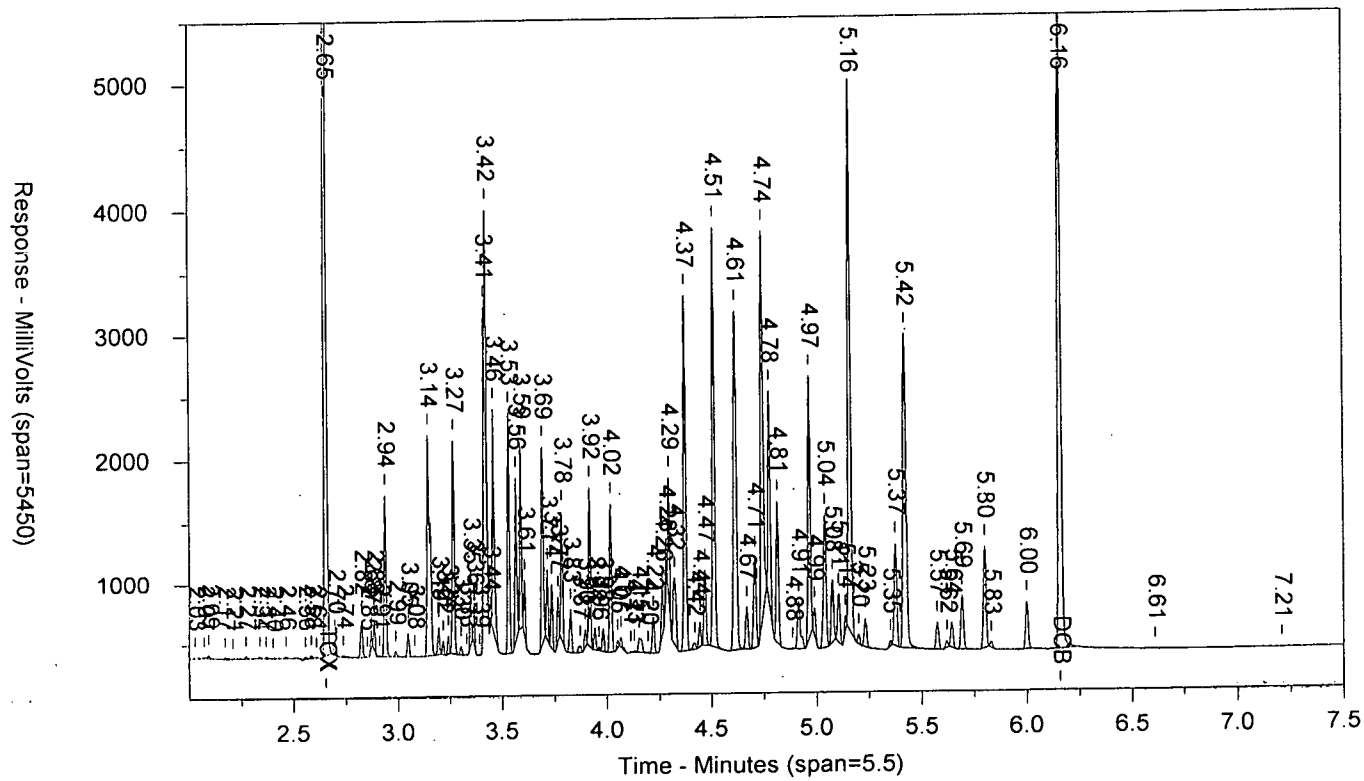

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:20:00 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	15202140	40.164	TCX	2.653	16117830	41.474	TCX
6.679	5185507	38.417	DCB	6.158	5928395	37.214	DCB

Files:
Area File: 07pcbs17250001.0032.RAW
Area File: 07pcbs17250001B.0032.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 4:28:43 AM
File Reported On: 9/8/2017 at 4:28:56 AM

IC16X1724C AAIC16XAA CCAL 1724999999 10736 SW-846 8082

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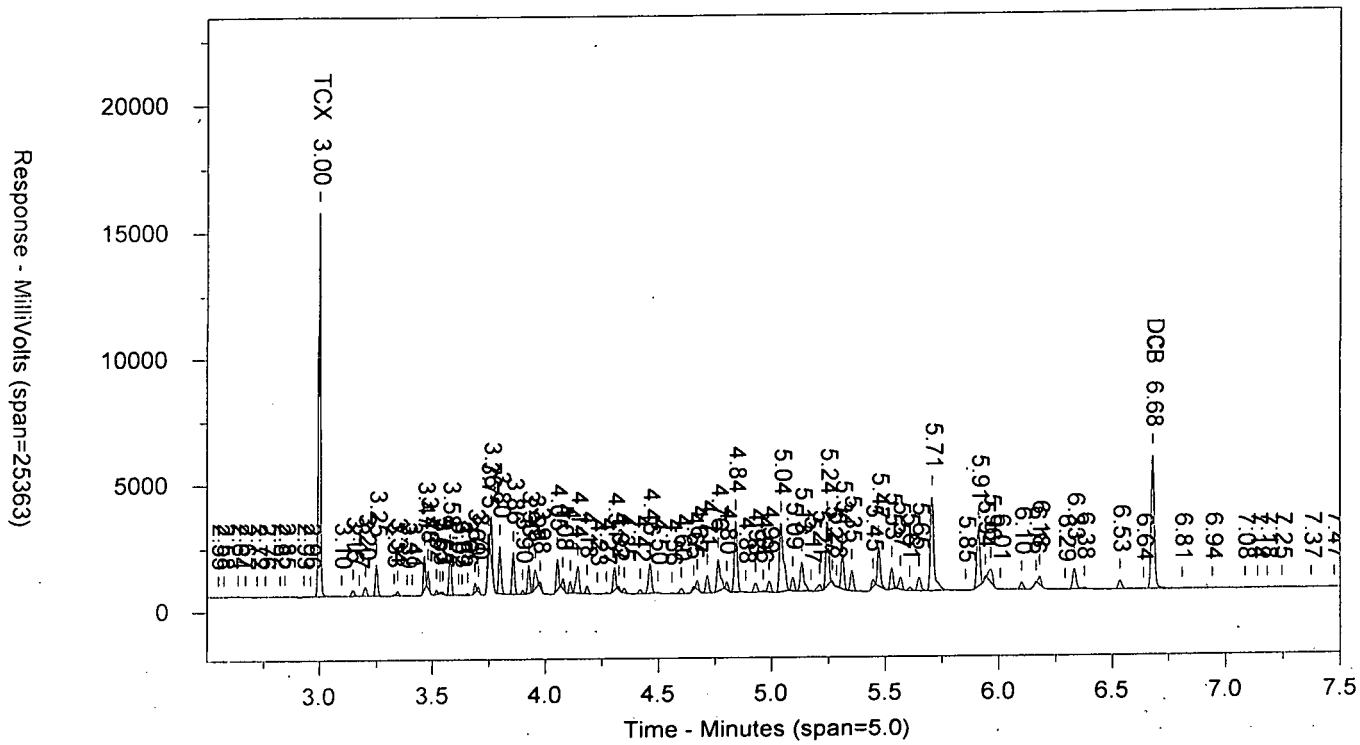

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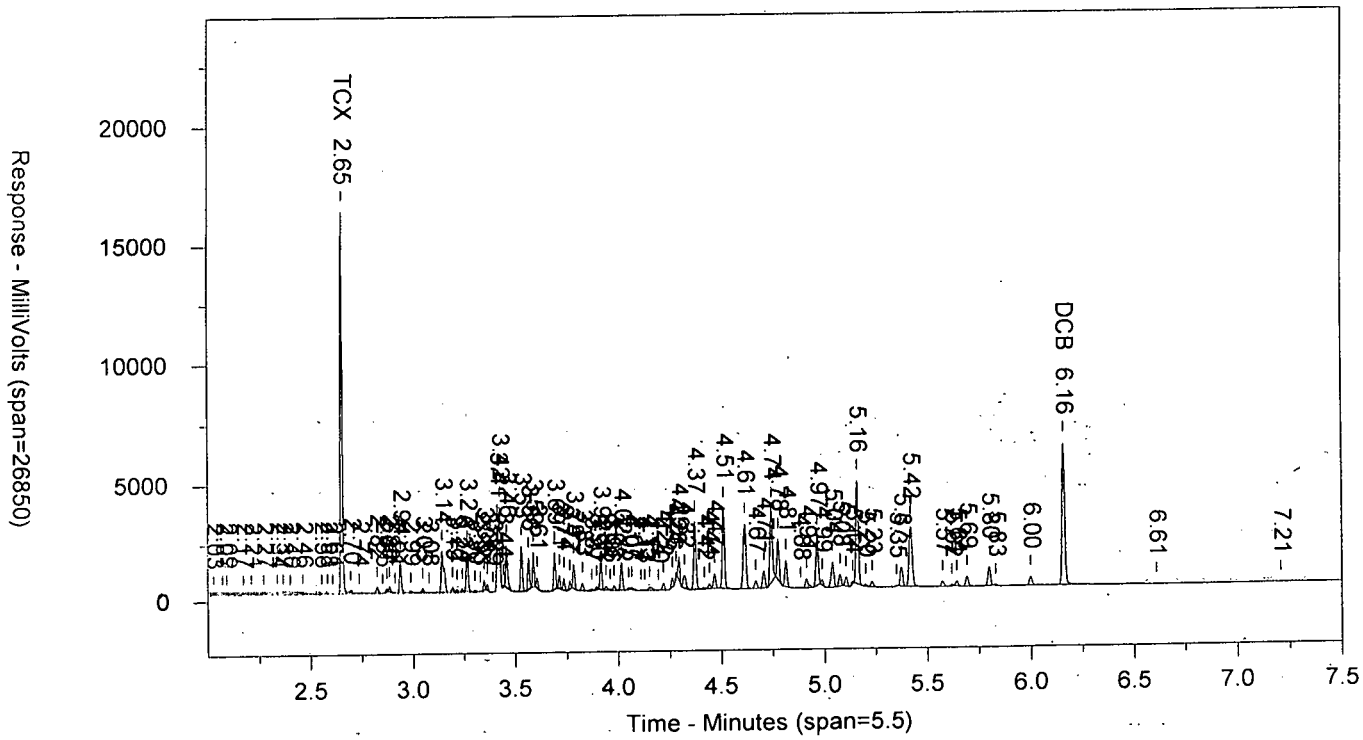

IC16X1724C AAIC16XAA CCAL 1724999999 10736 SW-846 8082

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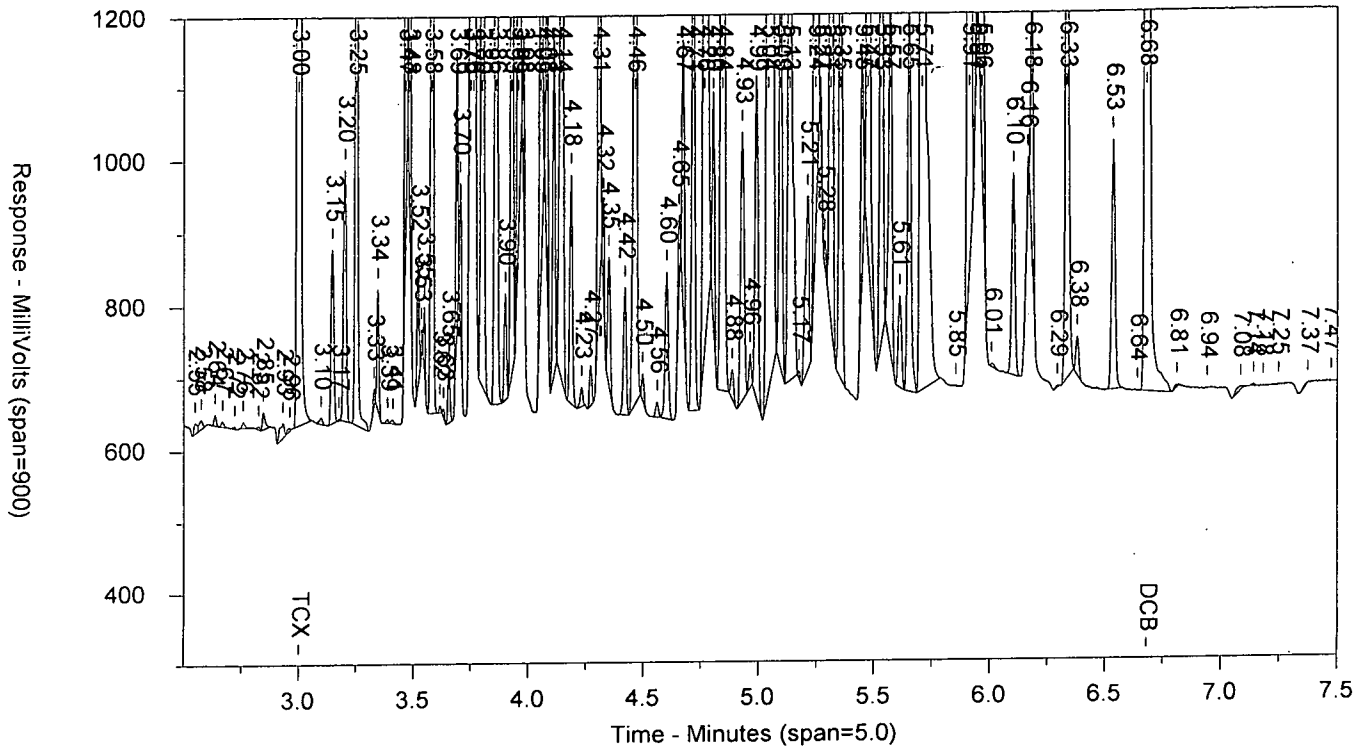

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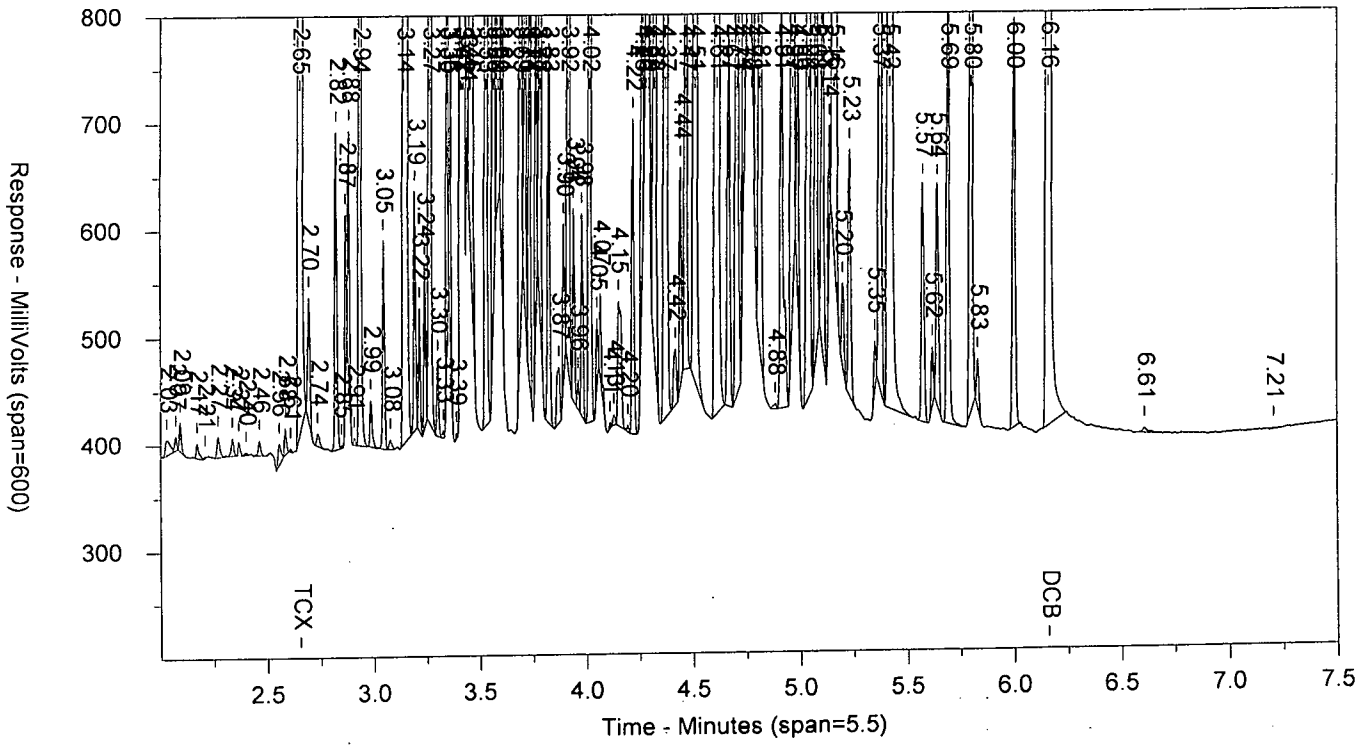

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:31:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0033.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.533		4252	3159
1.64		7317	9200
1.749		7275	5848
1.79		4988	5410
1.857		7114	4682
1.964		8513	6287
2.07		15814	10739
2.113		11460	23642
2.147		24235	38581
2.176		23453	24432
2.22		3007	3003
2.294		74870	65819
2.388		19933	18845
2.404		27182	18296
2.433		6568	6944
2.478		11800	8067
2.553		10489	11411
2.573		17987	15643
2.666		15027	12594
2.758		17611	16737
2.845		46209	37763
2.932		25417	35966
2.953		2523	1302
2.999	TCX	15010750	9509782
3.097		17904	15535
3.148		53738	44162
3.177		7401	3776
3.196		208416	144397
3.25		204224	149306
3.328		32918	18149
3.343		37648	20612
3.387		1945	1145
3.404		10425	9197
3.465		643479	395939
3.482		226317	118271
3.518		50349	28333
3.535		15609	6400
3.579		632402	455466
3.617		5265	2805
3.633		8437	4505
3.654		60588	39661
3.688		137311	81359
3.703		37369	17765
3.747		640767	359217
3.759		584457	291978
3.798		810282	658729
3.857		881500	668553
3.899		142974	101068
3.926		1499080	1099446
3.954		1009373	773386
3.976		273287	155309
4.053		1727360	1244517
4.078		544911	352134

RT A	Compound A	Height A	Area A
4.109		650839	467758
4.143		1553621	1398352
4.184		525963	415156
4.23		56391	44765
4.27		175036	134321
4.304		1192306	832669
4.324		1616802	1044437
4.348		1818608	1380398
4.418		167161	158087
4.454		1346712	1102643
4.474		373302	211168
4.496		423916	294244
4.537		29357	19137
4.56		107508	80795
4.601		514778	467966
4.652		706804	610051
4.685		435856	324490
4.715		1241461	1087428
4.762		15245	10072
4.798		448727	428248
4.841		97881	119291
4.888		121748	109910
4.928		766139	719208
4.962		15944	10280
5.008		62953	77669
5.04		44862	29765
5.055		36111	22952
5.092		3498	2242
5.127		582610	598429
5.172		16555	11582
5.204		47421	50275
5.245		147310	134721
5.266		8611	3971
5.284		9241	5747
5.312		6177	4204
5.349		4658	3242
5.384		4899	6013
5.45		54852	48504
5.471		7189	3946
5.524		3704	2617
5.563		6935	9834
5.606		37638	35561
5.647		28609	26068
5.67		5533	4951
5.706		14956	10282
5.729		82737	76462
5.783		1382	1091
5.875		1618	1835
5.91		28339	27539
5.959		13140	23046
6.011		1993	1470
6.057		1316	774
6.098		191336	186834
6.162		222735	269230
6.302		1101	1706
6.333		8381	8314
6.482		1406	459
6.498		1835	1188
6.531		115603	114630
6.62		921	242
6.678	DCB	4997899	5125872
7.072		1457	503
7.138		3035	3584
7.256		1491	447
7.338		1570	401
7.392		1353	969

RT A	Compound A	Height A	Area A
7.412		2077	846
7.44		2404	1038
7.605		1632	372
7.673		2187	432
7.8		1780	786
8.049		1640	564
8.083		1629	698
8.196		1861	724
8.364		1713	512
8.4		1480	496
8.534		1557	633
8.572		2028	689
8.685		1202	1070

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:31:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0033.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.552		17821	13442
1.588		4584	4296
1.656		19308	13680
1.761		21641	15523
1.832		3575	6056
1.865		22246	15203
1.898		1896	1360
1.927		2505	1985
1.967		90137	76801
2.033		16313	25753
2.071		23300	15655
2.092		25186	14896
2.172		25200	19582
2.226		3532	5233
2.271		31283	24578
2.324		3619	4702
2.368		23258	17160
2.422		2716	2305
2.462		23730	18942
2.515		12009	22356
2.556		32480	30111
2.584		48288	39084
2.653	TCX	15646850	9256385
2.695		11666	6066
2.738		19736	18539
2.825		80473	62347
2.871		209905	142798
2.91		15814	11740
2.937		207257	128746
2.988		44924	37700
3.048		54480	32989
3.077		15215	13604
3.115		2368	1816
3.144		819219	744808
3.195		64499	36695
3.217		29643	17530
3.241		24239	15031
3.265		654739	445975
3.303		55158	35520
3.329		10624	4317
3.348		152923	81042
3.363		55030	24402
3.391		6559	3484
3.413		650955	304755
3.423		708098	297105
3.443		148232	59271
3.456		715769	447343
3.53		996268	633558
3.565		1759448	1073648
3.588		1673262	908550
3.606		539786	281908
3.691		2142758	1377445
3.714		681638	376949
3.735		718405	432616

3.765		347215	183221
3.783		1560225	942755
3.825		596348	419277
3.873		125510	104906
3.894		1186327	721099
3.917		3001954	1852968
3.942		2081985	1269830
3.961		175179	83985
3.98		162300	93620
4.017		826606	586059
4.052		1483484	1124666
4.08		751989	426671
4.127		108196	74198
4.162		503028	373740
4.22		857524	641100
4.253		497998	352765
4.281		1280883	951349
4.318		22621	20888
4.374		513657	488687
4.41		133412	96520
4.442		847075	615391
4.466		21323	10347
4.485		12255	7000
4.51		83620	55836
4.535		64236	47034
4.609		122350	122239
4.662		809545	654814
4.714		43553	52678
4.743		216995	198313
4.789		23889	15266
4.811		4864	3301
4.931		10654	9628
4.965		11772	8100
4.989		79397	62082
5.034		10578	11839
5.074		3729	2218
5.11		33205	26320
5.136		31466	22258
5.158		16160	10345
5.232		97997	86770
5.35		1482	1028
5.374		10105	7887
5.419		25192	26989
5.574		158322	133912
5.643		181012	157876
5.692		37078	32419
5.799		7668	5771
5.999		118080	102105
6.029		2687	1531
6.158	DCB	6035548	5368960
6.305		1868	1341
6.609		3866	3181
7.239		2061	3865
7.683		1740	1740
8.289		4806	7054

IC48X1724B AAIC48XAA CCAL 1724999999 10736 SW-846 8082

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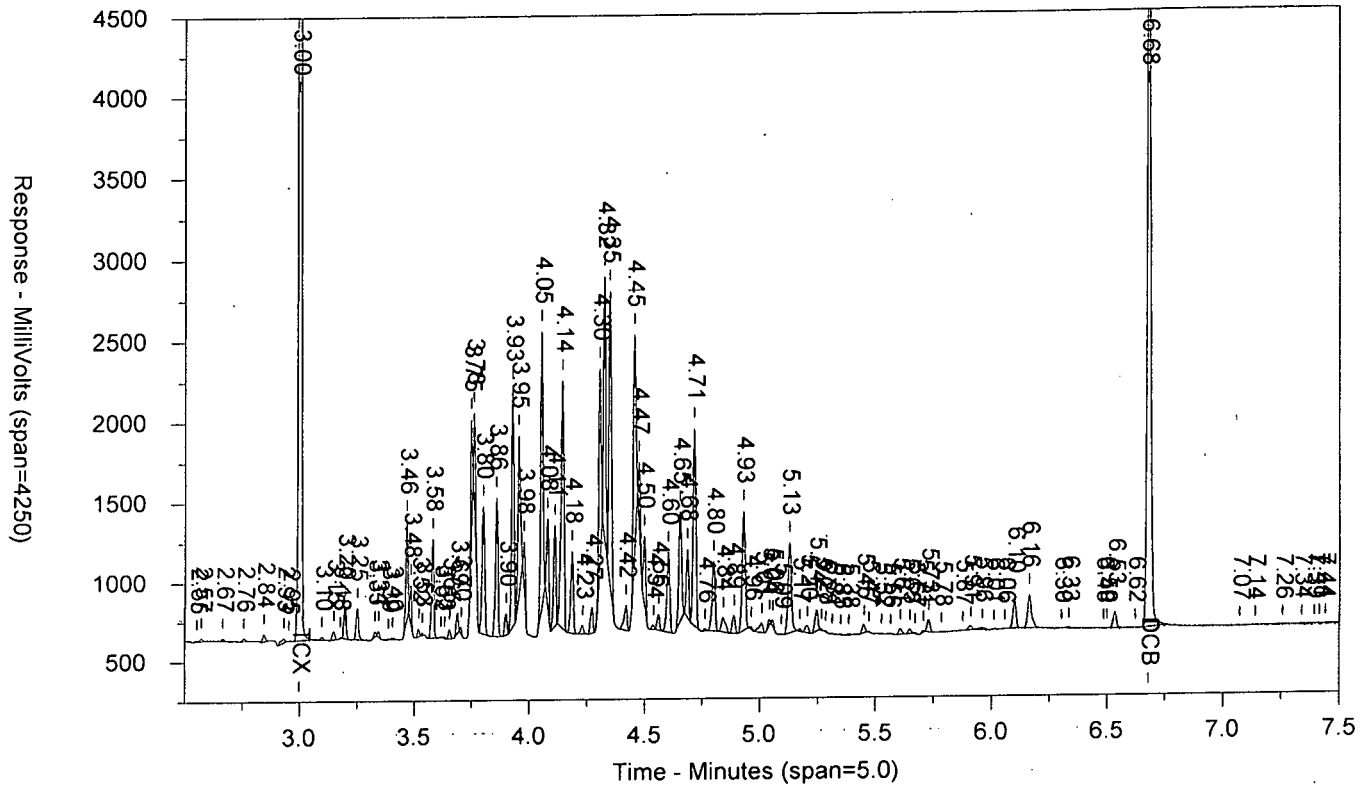

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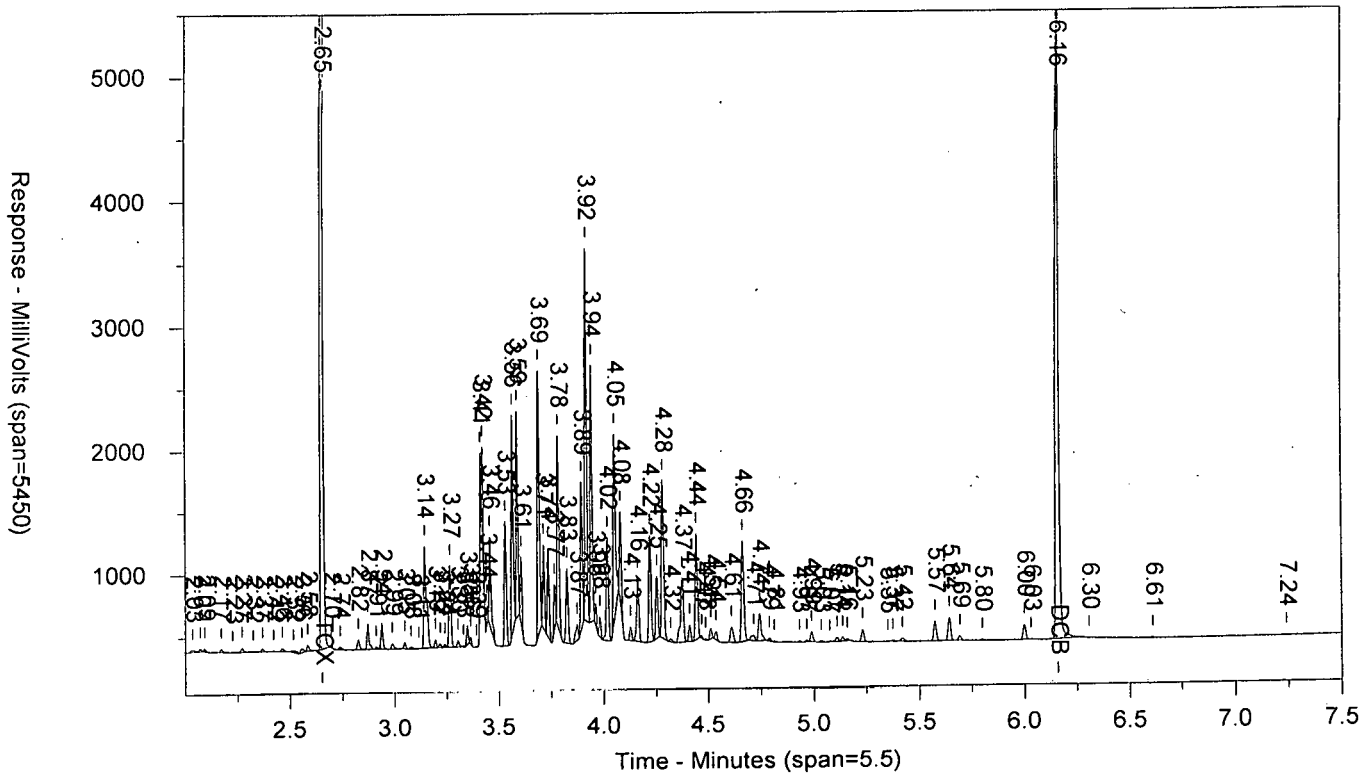


LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:31:17 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

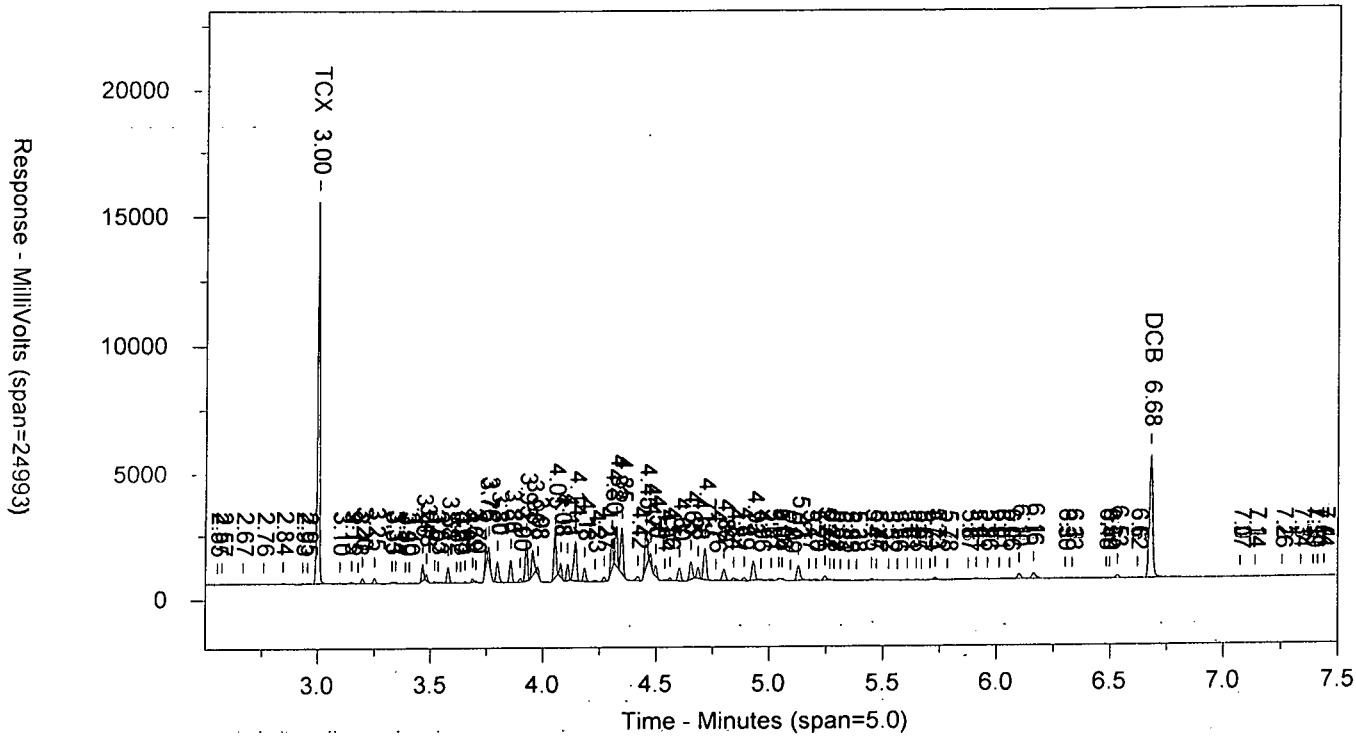
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	15010750	39.658	TCX	2.653	15646850	40.262	TCX
6.678	4997899	37.027	DCB	6.158	6035548	37.887	DCB

Files:
Area File: 07pcbs17250001.0033.RAW
Area File: 07pcbs17250001B.0033.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 4:40:00 AM
File Reported On: 9/8/2017 at 4:40:06 AM

IC48X1724B AAIC48XAA CCAL 1724999999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250001.0033.RAW



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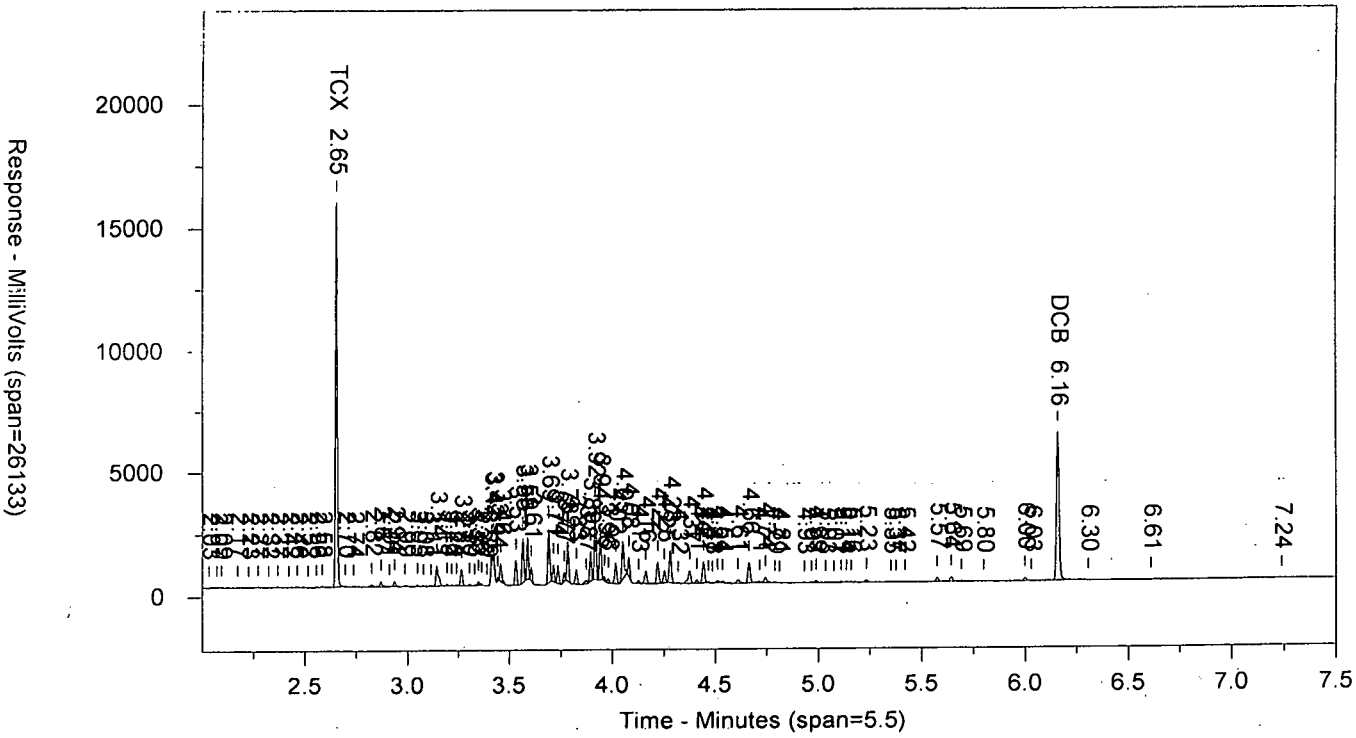

IC48X1724B AAIC48XAA CCAL 1724999999 10736 SW-846 8082

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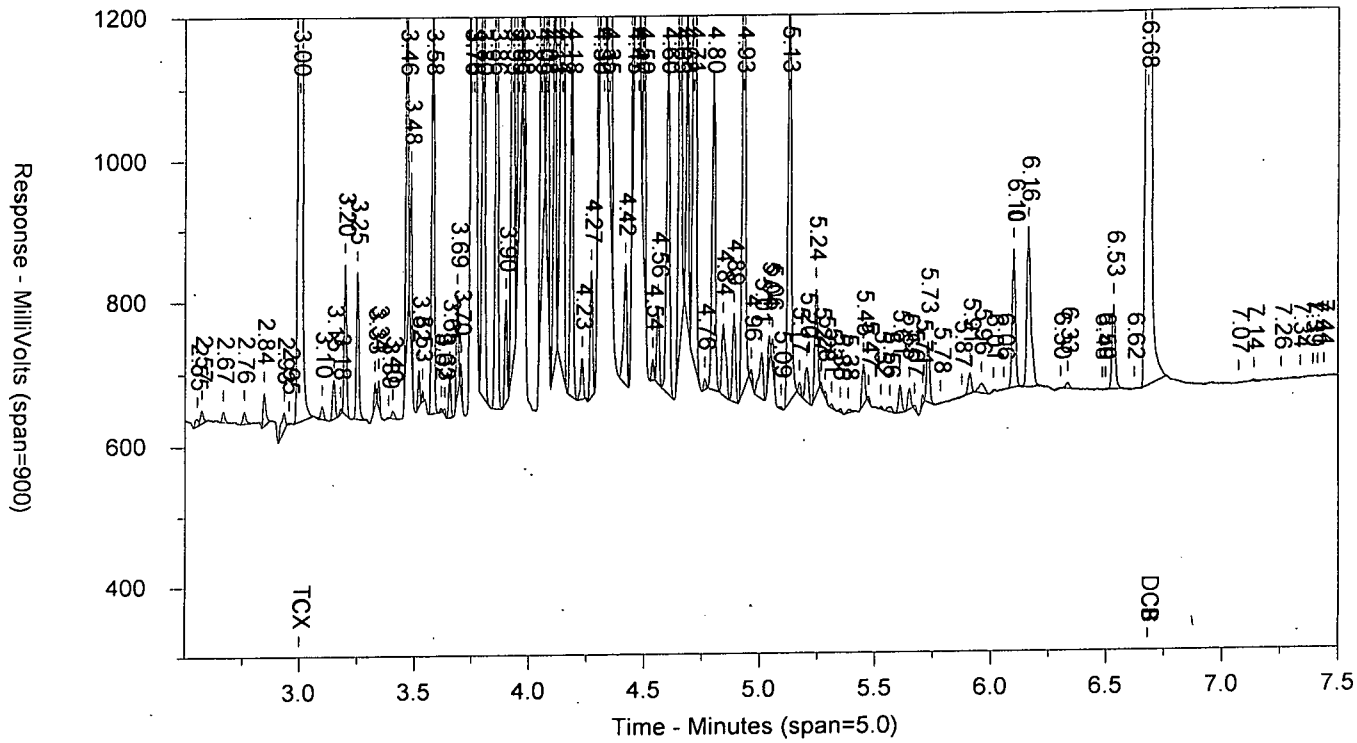

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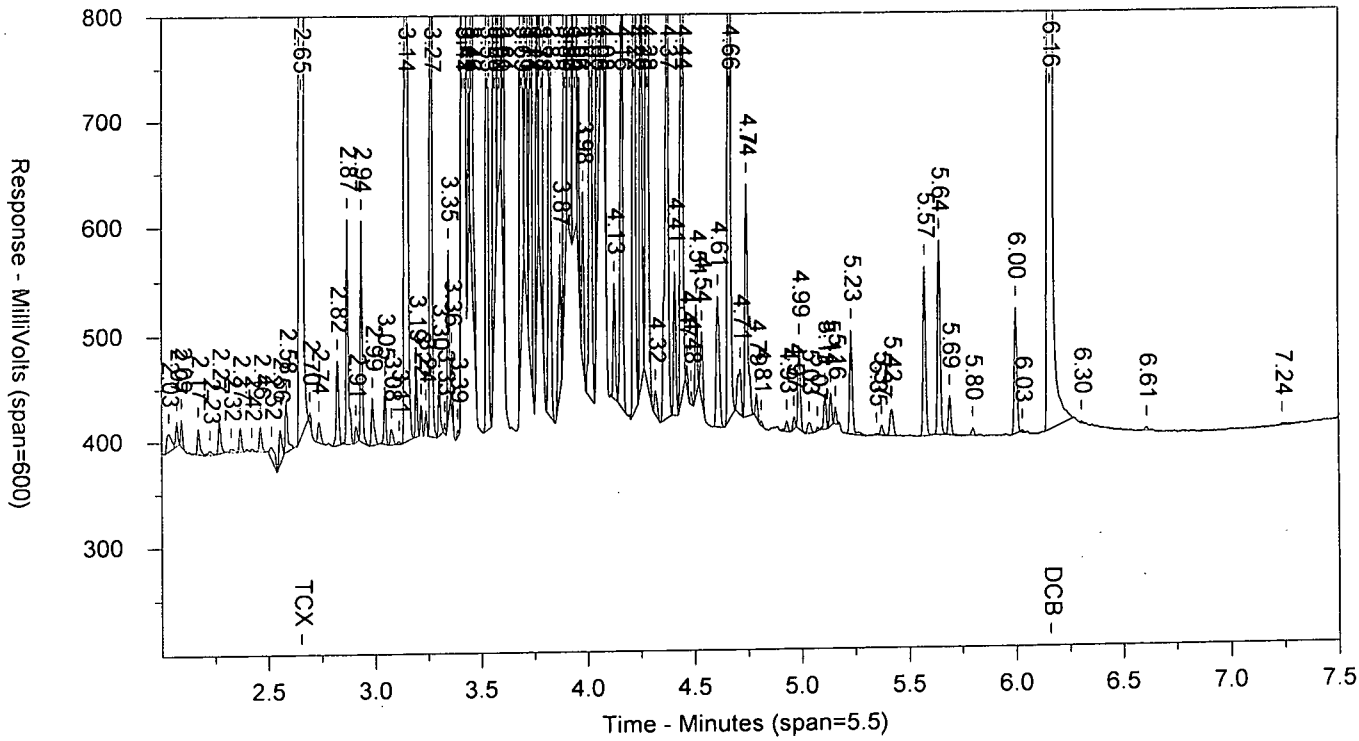

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:42:44 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001.0034.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.632		5587	4786
1.79		4761	2537
1.857		5117	3565
1.964		4827	4252
2.069		9858	6121
2.114		17560	34718
2.151		23753	33920
2.177		18542	21605
2.295		37053	31619
2.39		36304	22968
2.436		6113	5392
2.481		6846	4694
2.553		11356	12144
2.574		12768	12195
2.668		11295	12124
2.757		9104	7886
2.845		28846	22162
2.931		26372	47714
2.952		3547	2887
2.999	TCX	7419152	4707153
3.098		8213	7074
3.146		11098	8794
3.178		3812	1949
3.197		108740	71472
3.251		39916	31606
3.328		20253	13257
3.405		4113	3373
3.465		65180	40378
3.482		22102	11639
3.519		2735	1538
3.535		22403	15637
3.579		61611	44330
3.631		7543	3868
3.655		59011	41471
3.688		16670	9412
3.703		5636	2684
3.748		47441	25690
3.76		26120	26490
3.8		151427	123920
3.857		83374	60345
3.9		11950	6995
3.927		1426365	1067217
3.953		409221	414148
4.004		5517	2855
4.053		917428	692750
4.078		61731	38120
4.109		121912	84296
4.143		429931	407836
4.184		91856	74675
4.218		4033	1833
4.232		17264	9967
4.269		88411	62575
4.306		2031405	1452273

RT A	Compound A	Height A	Area A
4.324		825690	469122
4.35		657294	545156
4.419		670020	563991
4.461		3294854	3552195
4.496		1319790	1048025
4.538		50683	33295
4.56		244090	186464
4.603		1254863	1114049
4.652		2217183	1884538
4.684		520400	351264
4.714		4621243	3987342
4.764		237534	164850
4.78		75148	34686
4.8		628989	470359
4.819		3120	664
4.841		1441821	1439318
4.888		289443	258926
4.929		2682048	2608968
4.959		52762	34364
4.988		273365	218155
5.007		22693	16805
5.041		786623	599211
5.055		293570	181297
5.092		36030	28369
5.128		1599972	1693326
5.174		202629	149900
5.198		78484	51049
5.21		49248	29503
5.245		2145899	1905599
5.267		98144	50784
5.284		83267	53474
5.311		76722	57554
5.352		88675	87529
5.45		604988	524346
5.472		138865	91125
5.529		112862	97021
5.567		102402	96883
5.607		33582	30444
5.646		420117	386244
5.671		55560	38941
5.706		344420	298387
5.728		16714	11151
5.834		1538	356
5.87		1514	1588
5.909		315747	304770
5.939		49760	59028
6.017		3683	5398
6.099		101219	98648
6.162		122928	170918
6.3		2713	4359
6.332		18507	18725
6.499		1427	696
6.507		1472	480
6.531		54485	52830
6.677	DCB	2419110	2675321
6.89		1658	692
6.957		1624	1355
7.025		1635	672
7.062		1538	525
7.079		1154	590
7.102		1616	432
7.141		2035	2384
7.204		1505	969
7.362		2506	845
7.403		1917	2196
7.446		1613	581

RT A	Compound A	Height A	Area A
7.493		1817	781
7.586		1637	777
7.668		1456	255
7.704		2062	996
7.901		1748	392
7.98		1302	852
8.031		2339	560
8.052		1868	545
8.146		1901	943
8.17		1496	407
8.2		1541	496
8.25		1606	368
8.341		1270	905
8.432		1330	406
8.465		1531	534
8.474		1645	693
8.499		**2134**	**441**
8.542		2113	721
8.656		1860	506

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:42:44 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250001B.0034.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.552		10955	9161
1.588		4929	6160
1.656		12138	8792
1.76		14986	11025
1.833		5305	6276
1.865		12931	9343
1.927		1698	1171
1.966		56150	64686
2.031		15107	23511
2.071		15371	10615
2.092		12886	8083
2.172		13458	8389
2.21		1905	927
2.27		21298	18296
2.325		3297	4868
2.367		15895	13152
2.462		14564	11624
2.51		12311	31554
2.555		29032	29248
2.583		33877	26596
2.653	TCX	7944299	4740235
2.736		11884	11289
2.779		2211	1818
2.824		24009	25232
2.87		113422	72377
2.909		9039	6908
2.936		36292	24435
2.987		22711	19602
3.047		7201	4233
3.076		7869	7953
3.143		85515	89051
3.195		5999	2945
3.218		31588	19354
3.239		5148	3083
3.266		66238	46543
3.303		56920	38270
3.348		17880	8690
3.363		9329	4541
3.395		2985	2180
3.413		53506	24056
3.422		32190	11489
3.442		33478	15123
3.457		117297	88654
3.531		89343	57254
3.565		1750330	1043449
3.588		586867	332729
3.605		53046	22677
3.623		10556	5538
3.69		1095687	684473
3.714		87285	46503
3.735		136670	90649
3.766		100695	51769
3.783		383079	230331
3.824		117671	90002

3.864		94861	80853
3.894		337771	196393
3.916		3981043	2587930
3.942		400396	227028
3.961		401255	220226
3.981		688571	422225
4.017		3429506	2312450
4.049		1301079	793076
4.066		834146	431788
4.127		260750	187942
4.163		1198573	916430
4.219		2736379	1984585
4.253		737652	550354
4.281		4749732	3491407
4.319		339625	325471
4.373		2197151	1836016
4.41		341968	249309
4.443		2882997	2019130
4.467		442890	291614
4.51		1783606	1350620
4.536		87589	51363
4.61		1529495	1590201
4.663		2043310	1648836
4.703		521278	427332
4.743		3297940	3095035
4.789		226062	146558
4.813		107217	72075
4.873		35015	40914
4.914		6609	3839
4.931		144514	107495
4.965		166566	111314
4.989		970357	742277
5.04		127485	104257
5.076		100423	79939
5.106		61625	51611
5.137		411500	312004
5.159		289721	189993
5.176		34904	17390
5.232		56022	50936
5.352		2132	937
5.375		14608	12116
5.417		346229	348447
5.575		81157	67468
5.62		10741	7320
5.643		86997	71302
5.692		29032	24121
5.8		16630	13689
5.999		59138	51376
6.158	DCB	3021252	2725498
6.608		2414	3496
8.292		6122	10291

IC54X1724A AAIC54XAA CCAL 1724999999 10736 SW-846 8082

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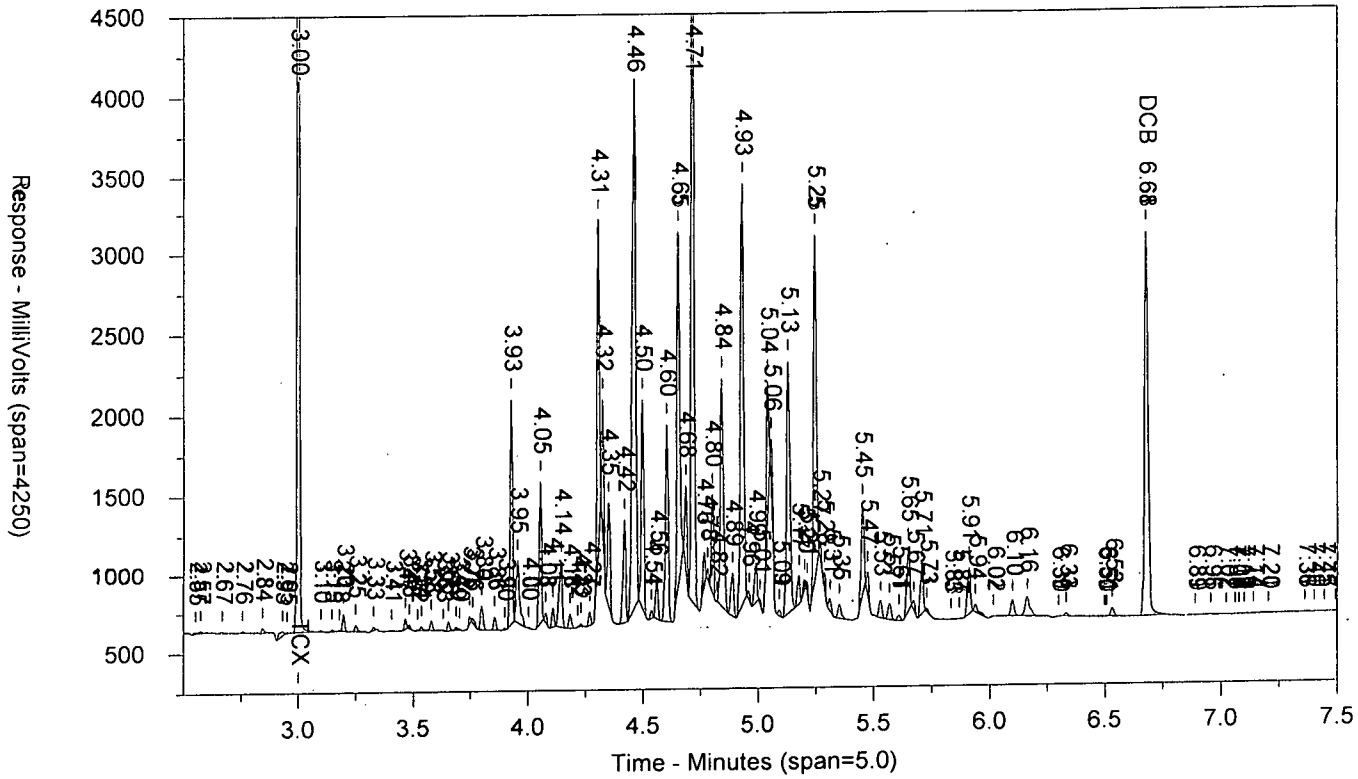

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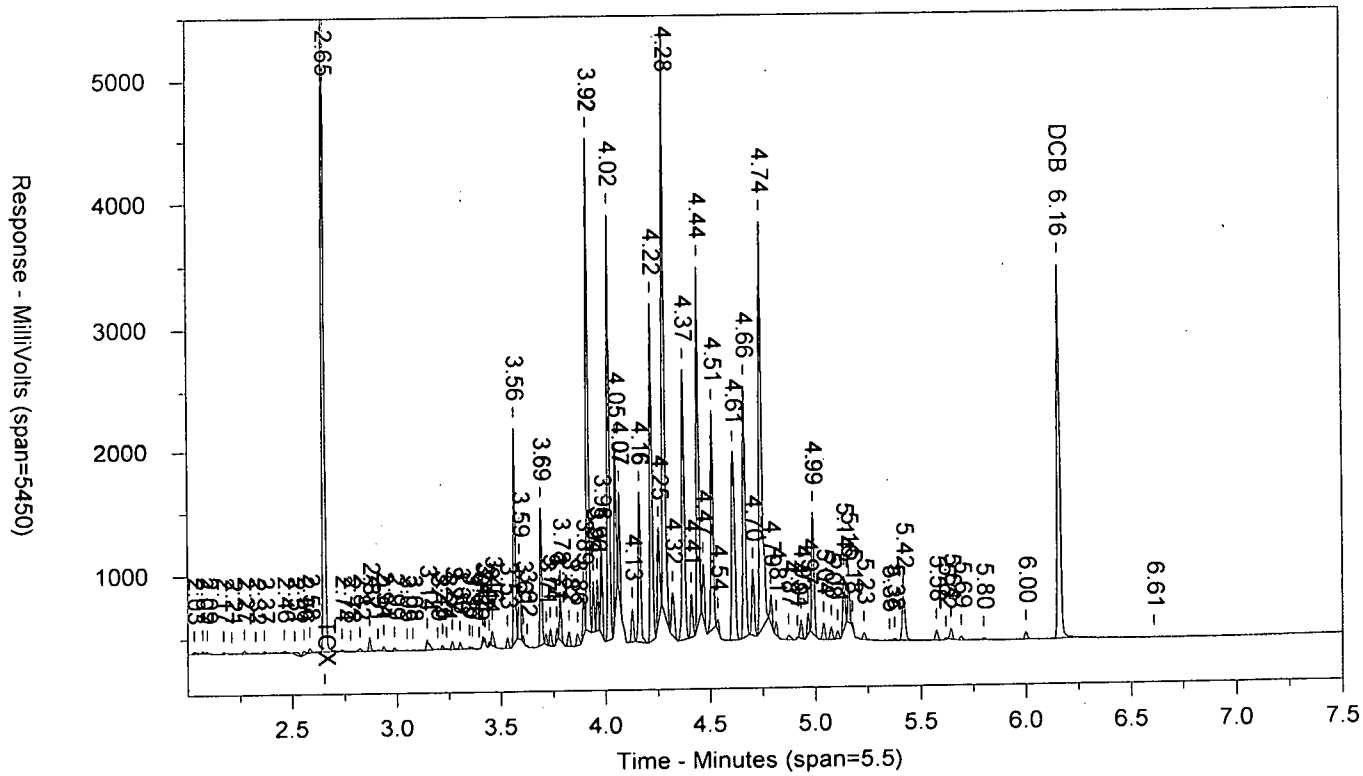

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1724999999 10736 SW-846 8082
Injected On: 9/8/2017 4:42:44 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	7419152	19.601	TCX	2.653	7944299	20.442	TCX
6.677	2419110	17.922	DCB	6.158	3021252	18.965	DCB

Files:
Area File: 07pcbs17250001.0034.RAW
Area File: 07pcbs17250001B.0034.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/8/2017 4:51:25 AM
File Reported On: 9/8/2017 at 4:51:36 AM

IC54X1724A AAIC54XAA CCAL 1724999999 10736 SW-846 8082

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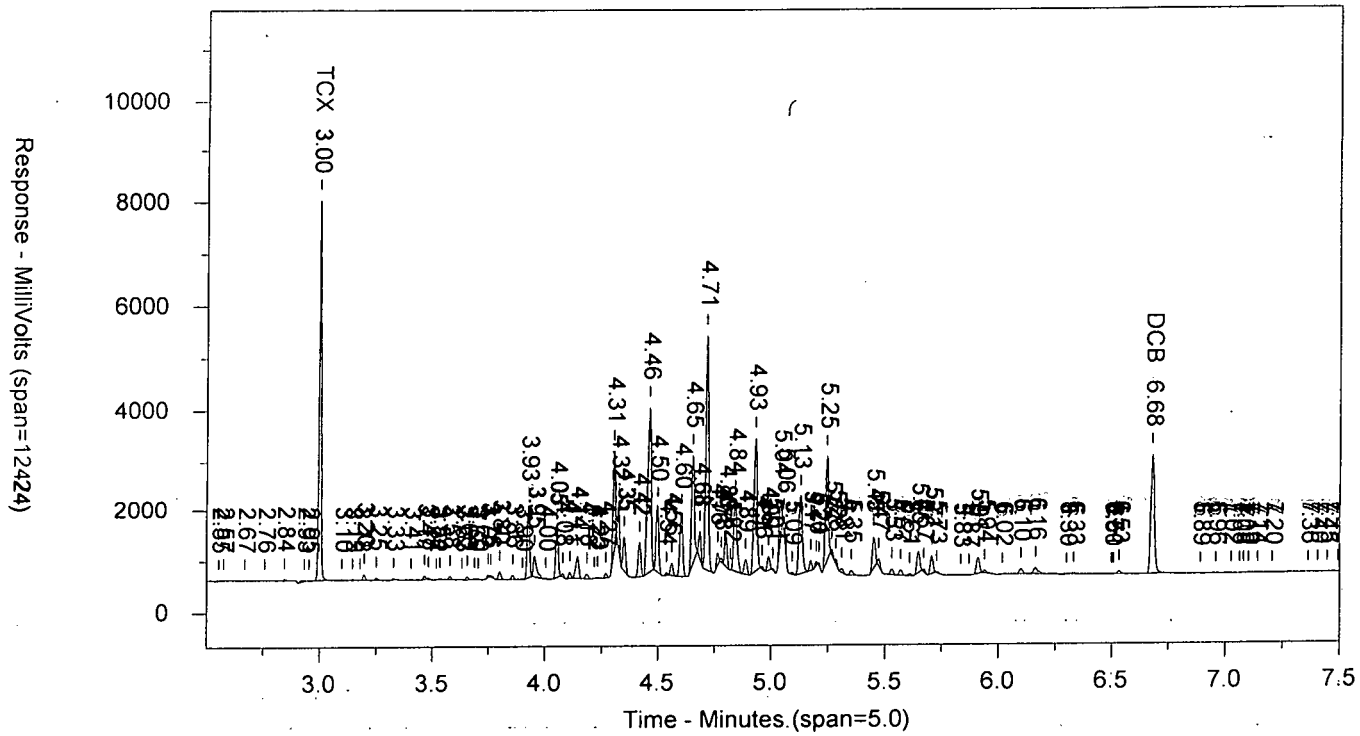

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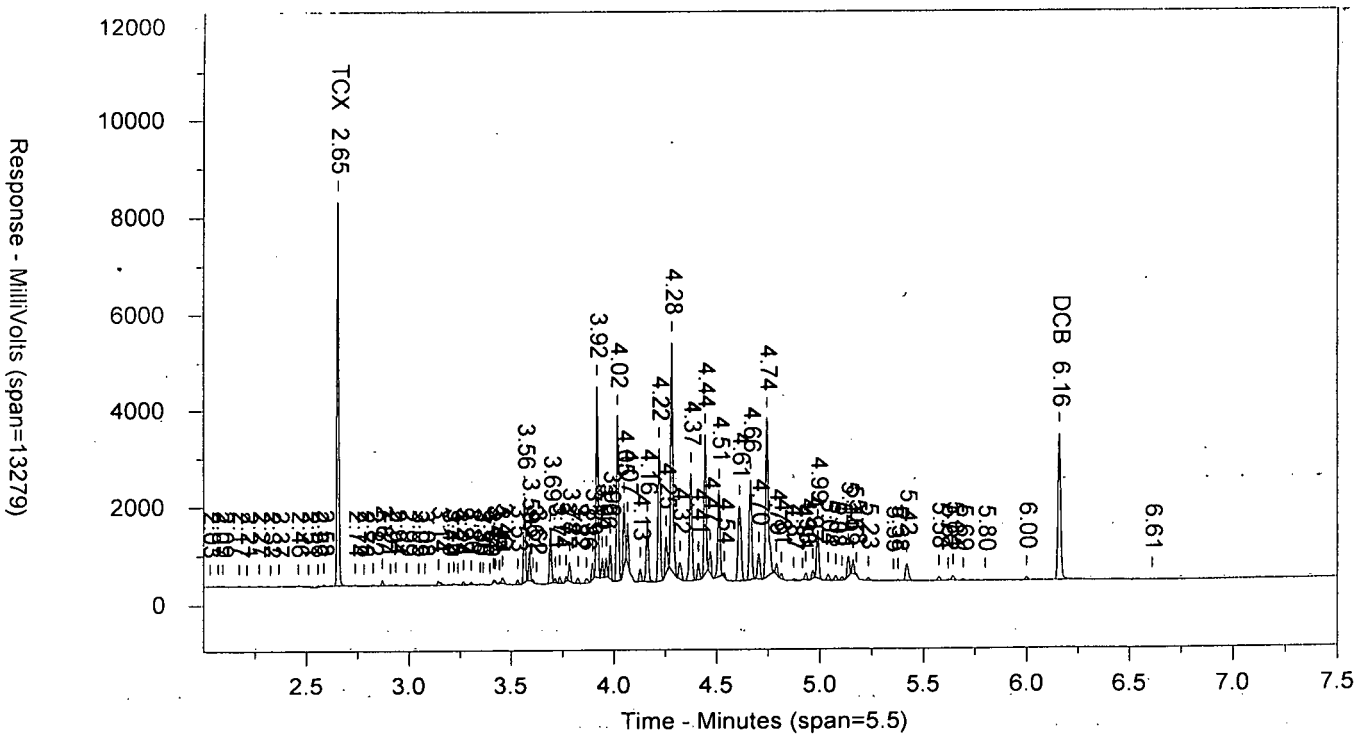

IC54X1724A AAIC54XAA CCAL 1724999999 10736 SW-846 8082

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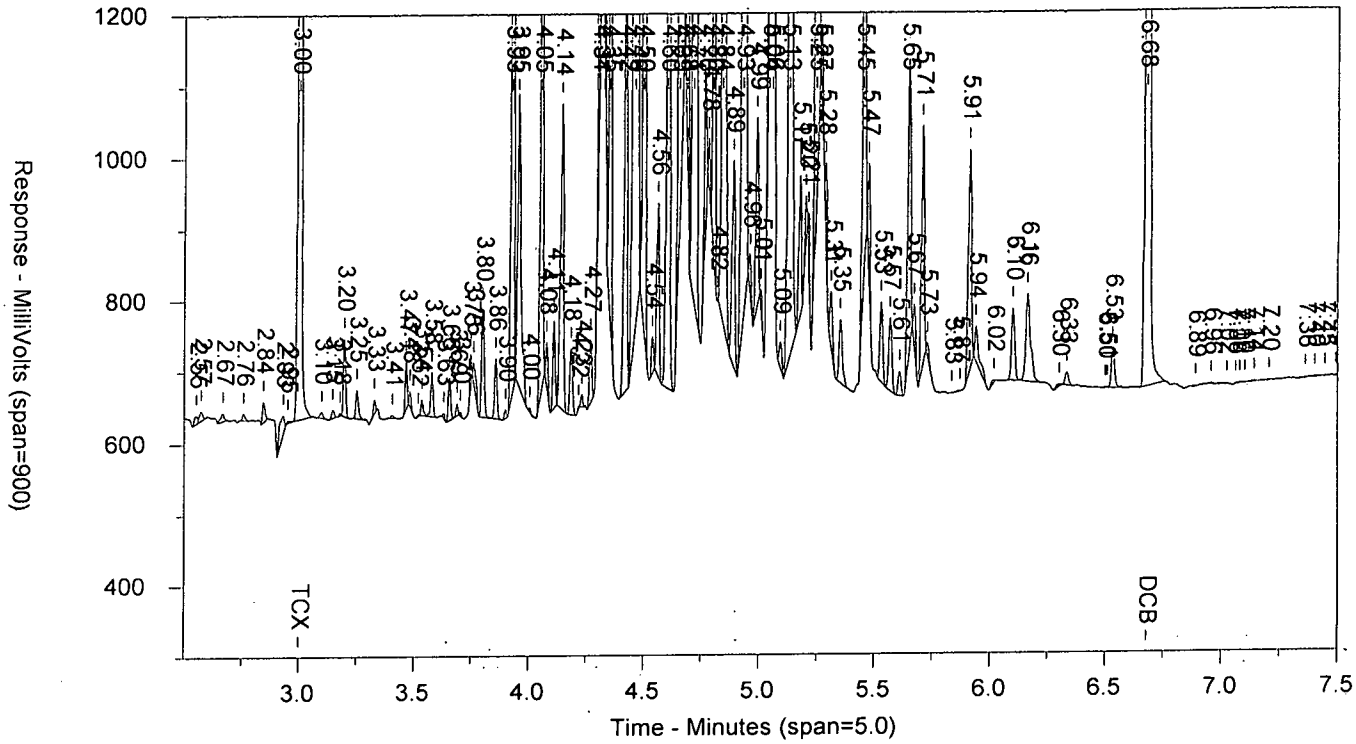

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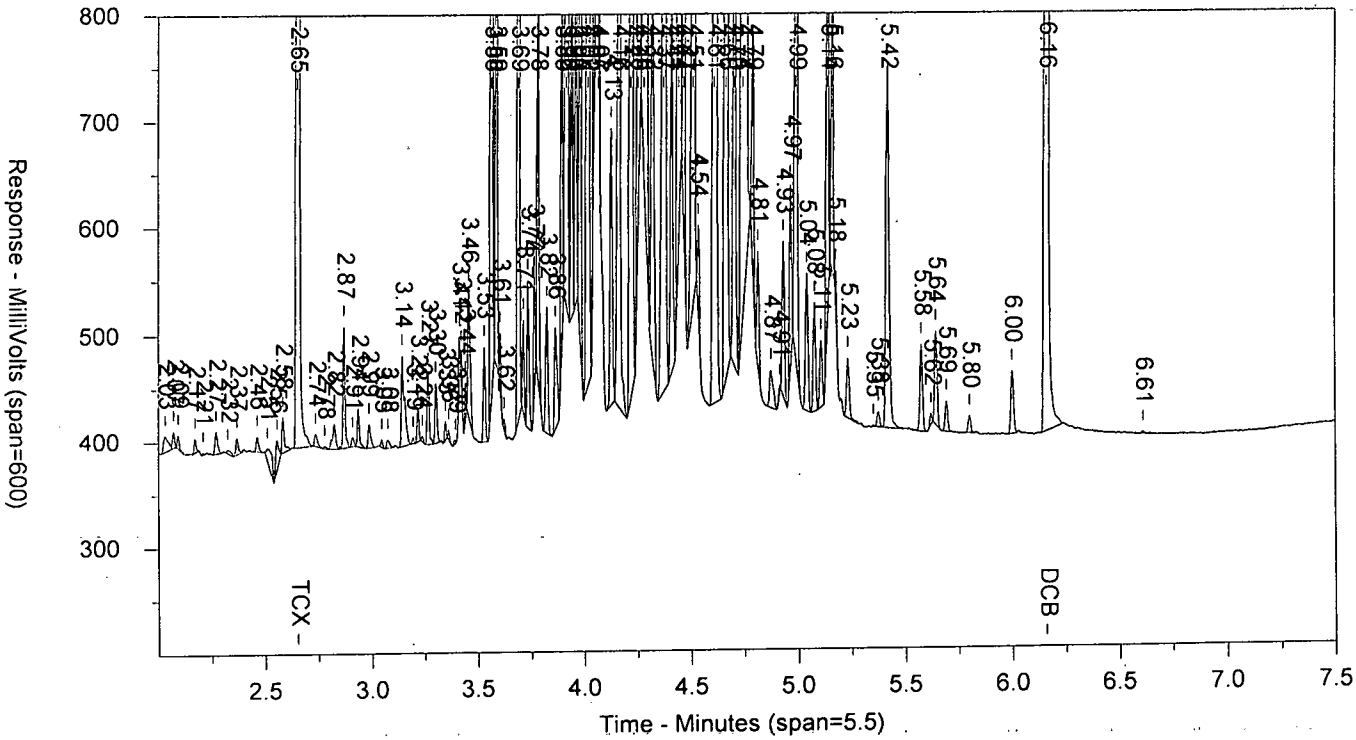

LANCASTER LABORATORIES

Sample Number: AR1641724B ZQAR164ZQ CCAL 1725999999 10736 SW-846 8082
Injected On: 9/17/2017 5:24:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.64		4796	8686
1.746		3247	2526
1.965		4693	2898
2.112		8551	18315
2.146		12945	14524
2.224		3184	3165
2.294		74302	52926
2.39		33138	23847
2.403		29283	19709
2.433		8766	8900
2.478		4259	2600
2.549		12605	12716
2.573		10814	9551
2.636		14405	10267
2.667		4980	3134
2.757		5150	3493
2.844		19580	16184
2.931		29336	58108
2.955		3561	2362
2.999	TCX	14947370	9568453
3.098		6180	4087
3.147		219993	189105
3.202		331266	310707
3.251		1265622	869828
3.328		25711	13262
3.345		154423	95886
3.385		3746	2369
3.466		1290418	772359
3.484		680936	358934
3.521		170542	97464
3.537		27216	11064
3.548		90449	44657
3.582		1494873	1126887
3.618		9306	5184
3.636		12129	6986
3.658		69513	45311
3.692		363360	207934
3.707		189577	98328
3.751		789218	440938
3.762		1571746	813931
3.801		1764594	1369202
3.862		1590304	1180489
3.903		138317	96637
3.93		1104247	792032
3.957		745646	643706
3.98		222704	115422
4.056		1218232	836060
4.081		440953	295476
4.113		482528	345923
4.146		1244293	1190540
4.187		397750	324356
4.235		59262	51493
4.274		85957	63448

RT A	Compound A	Height A	Area A
4.309		1129623	827821
4.328		270503	146214
4.352		324680	253659
4.422		194057	165747
4.465		1254199	1178704
4.499		40471	28605
4.562		15774	12703
4.604		160823	154348
4.657		139205	96797
4.674		352453	241513
4.719		766145	698456
4.767		1227971	1348932
4.804		281146	205350
4.844		2623777	2466161
4.888		25186	20600
4.93		409718	424547
4.966		36413	24364
4.992		447765	412818
5.044		2711170	3301996
5.096		547206	496234
5.135		1171755	1275507
5.177		12523	6190
5.214		228612	270272
5.248		2623335	2264445
5.27		95197	49811
5.29		38081	16276
5.315		1430646	1244014
5.356		870648	804462
5.45		337499	267136
5.474		1527316	1364541
5.531		888927	800835
5.569		504370	494532
5.612		108089	105614
5.652		509692	545100
5.708		3657495	3893206
5.857		1185	360
5.913		2232072	2107580
5.944		94302	68388
5.967		515881	592446
6.102		175562	167494
6.182		501233	748851
6.288		2116	516
6.337		805538	835796
6.381		52000	43790
6.457		2187	539
6.538		269739	286232
6.687	DCB	5141782	5191077
6.858		1879	704
6.876		1467	406
7.215		1688	423
7.223		1882	347
7.238		1368	577
7.499		1534	645
7.593		1711	726
7.69		1071	580
7.837		1225	376
7.865		1362	575
7.984		1950	546
8.138		1470	799
8.377		1706	483
8.536		1383	327

LANCASTER LABORATORIES

Sample Number: AR1641724B ZQAR164ZQ CCAL 1725999999 10736 SW-846 8082
Injected On: 9/17/2017 5:24:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.552		6192	4384
1.656		7251	5715
1.76		9501	10316
1.819		4441	9079
1.864		8540	7031
1.966		87993	78634
2.028		12204	18679
2.07		9394	6011
2.091		28378	18158
2.171		8971	8207
2.226		2638	4592
2.27		15887	13492
2.337		14976	10339
2.366		6646	3668
2.461		7812	5526
2.511		17307	40260
2.556		23213	25639
2.582		25693	16968
2.608		2932	1594
2.652	TCX	16257760	9773496
2.695		120355	86015
2.735		5804	5332
2.823		278044	188093
2.87		140299	69311
2.883		237853	119178
2.908		3863	2160
2.936		1330373	848300
2.986		43657	28057
3.046		194171	120191
3.074		4288	4138
3.143		1752221	1695027
3.194		218516	133539
3.215		106012	59457
3.241		149784	83968
3.265		1695506	1110496
3.302		65906	41050
3.329		21756	10138
3.348		437033	225903
3.363		248945	118260
3.414		953154	437862
3.423		1796316	743364
3.443		75266	26548
3.457		1649863	1119116
3.531		1782466	1120550
3.566		1210337	774393
3.59		1320499	740544
3.608		422405	217193
3.693		1509993	994022
3.716		578677	313014
3.737		545547	320370
3.767		347241	185963
3.784		1191169	732000
3.827		451434	325628
3.875		65342	60719

3.897		305903	176621
3.918		1606993	1045514
3.944		318503	189302
3.963		57023	27241
3.982		187796	122141
4.018		1247998	877544
4.053		54487	30478
4.068		113365	68777
4.114		3214	1489
4.13		10337	6927
4.164		106458	112299
4.222		347193	242060
4.264		378124	229558
4.283		270438	130972
4.296		898090	504111
4.322		503647	523663
4.374		2882204	2124605
4.421		42609	38283
4.444		239696	158171
4.469		629083	447319
4.512		3142782	2473080
4.615		2585382	2473169
4.669		332332	274235
4.707		732229	617104
4.743		3040719	2545107
4.776		1639570	1144081
4.815		1042461	843340
4.915		383815	375916
4.966		1951139	1549694
4.99		227818	147506
5.041		1009166	919349
5.076		509559	394375
5.107		369522	298213
5.138		126085	69597
5.161		4035413	3374262
5.202		73546	49800
5.234		203974	160771
5.352		48450	29291
5.375		827888	695481
5.421		2439050	2828803
5.576		145283	123839
5.621		47186	33408
5.644		130959	105584
5.693		427999	390425
5.8		787620	693345
5.832		39456	26777
6		282574	275028
6.16	DCB	5993562	5696438
6.612		4242	3797
6.789		1611	1376
7.317		917	4003
8.015		1446	3014
8.304		7765	13530

AR1641724B ZQAR164ZQ CCAL 1725999999 10736 SW-846 808

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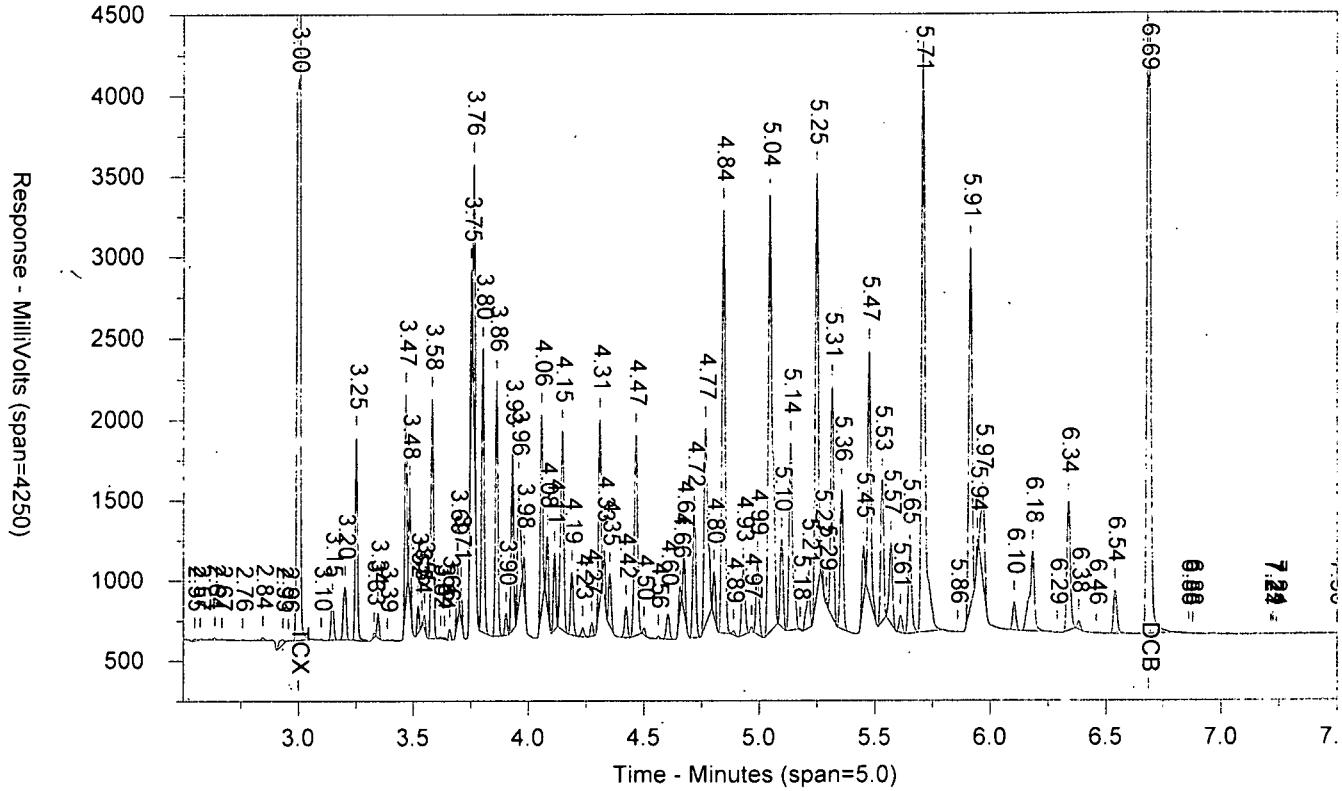

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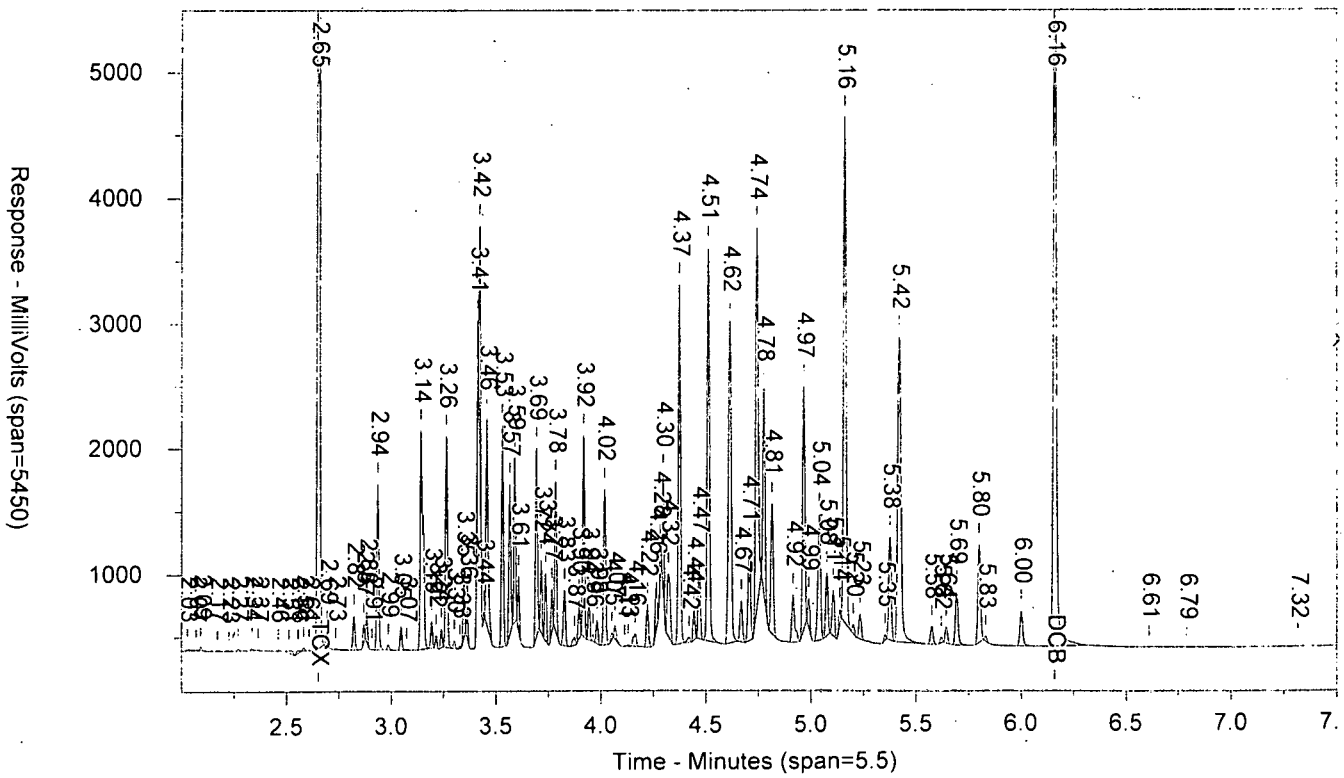

LANCASTER LABORATORIES

Sample Number: AR1641724B ZQAR164ZQ CCAL 1725999999 10736 SW-846 8082
Injected On: 9/17/2017 5:24:29 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	14947370	39.491	TCX	2.652	16257760	41.834	TCX
6.687	5141782	38.093	DCB	6.16	5993562	37.623	DCB

Files:
Area File: 07pcbs17250008.0005.RAW
Area File: 07pcbs17250008B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/17/2017 5:33:15 PM
File Reported On: 9/17/2017 at 5:33:23 PM

AR1641724B ZQAR164ZQ CCAL 1725999999 10736 SW-846 808

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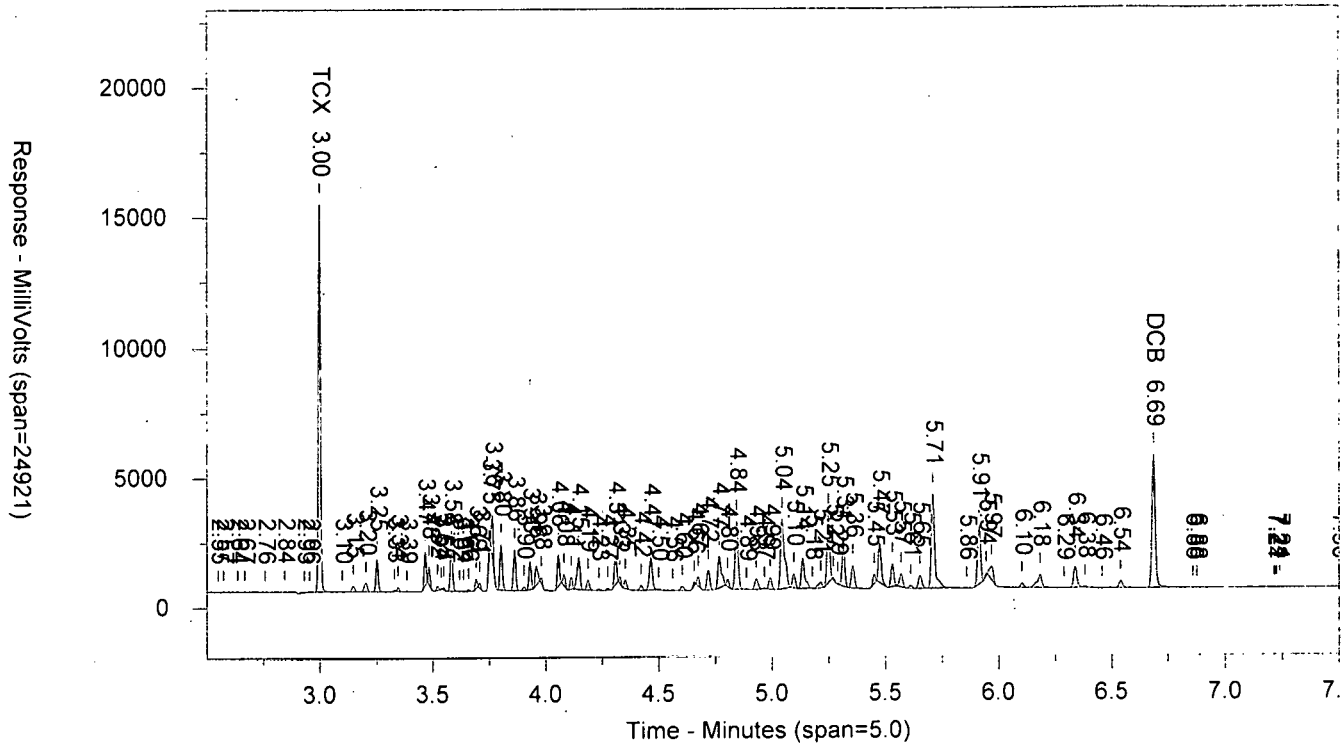

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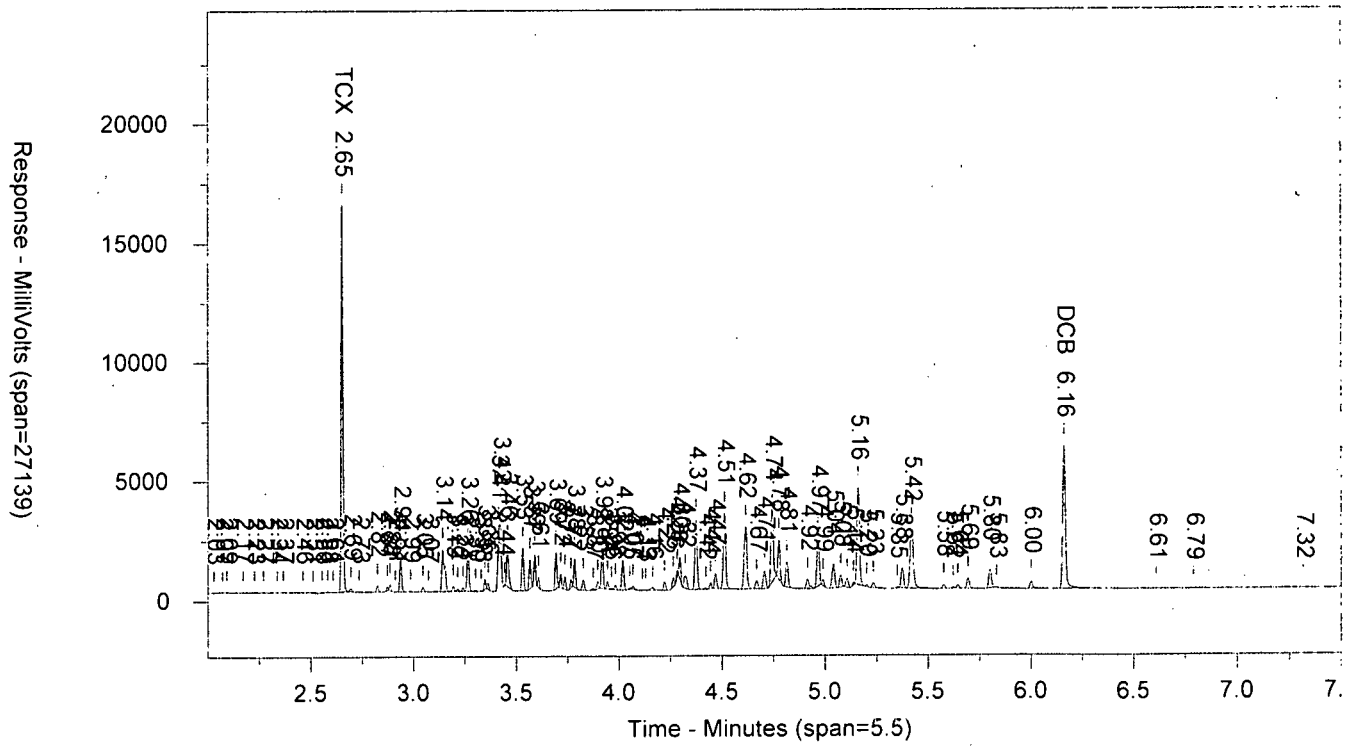

AR1641724B ZQAR164ZQ CCAL 1725999999 10736 SW-846 808

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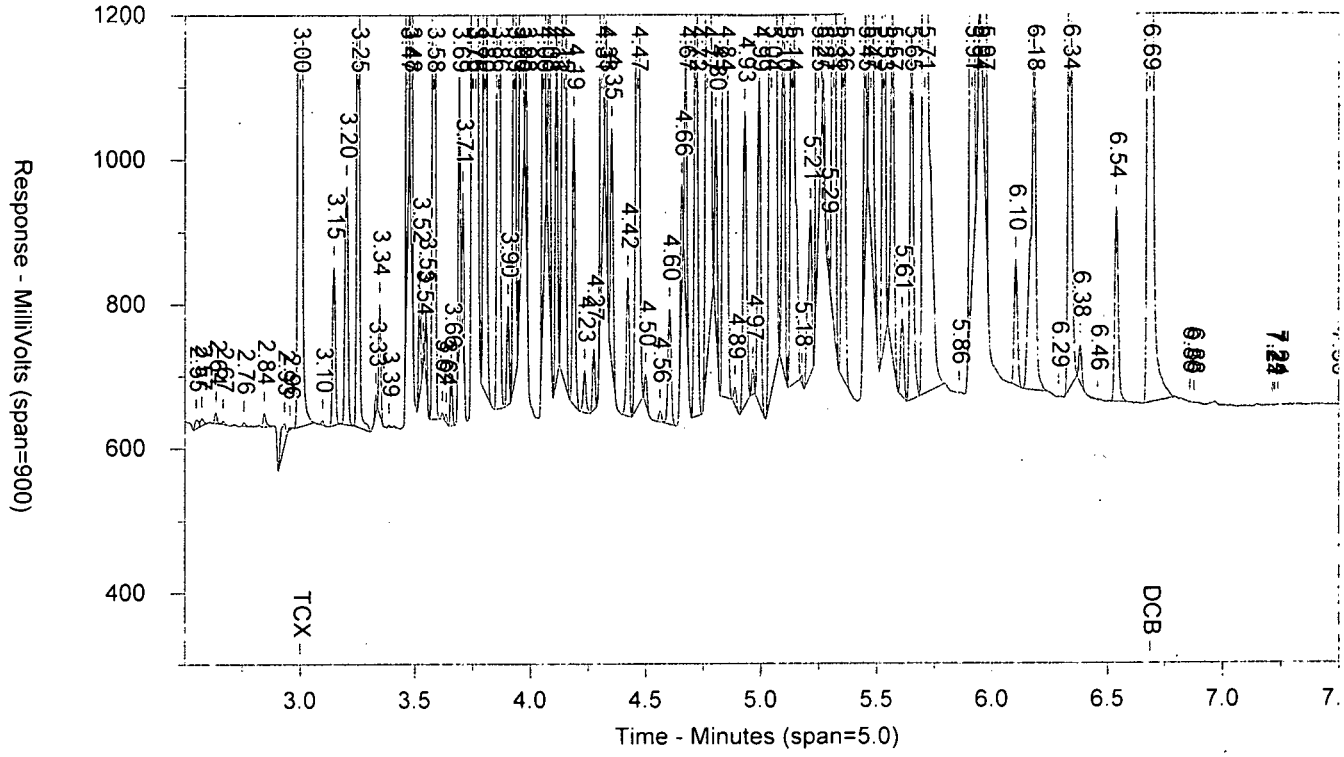

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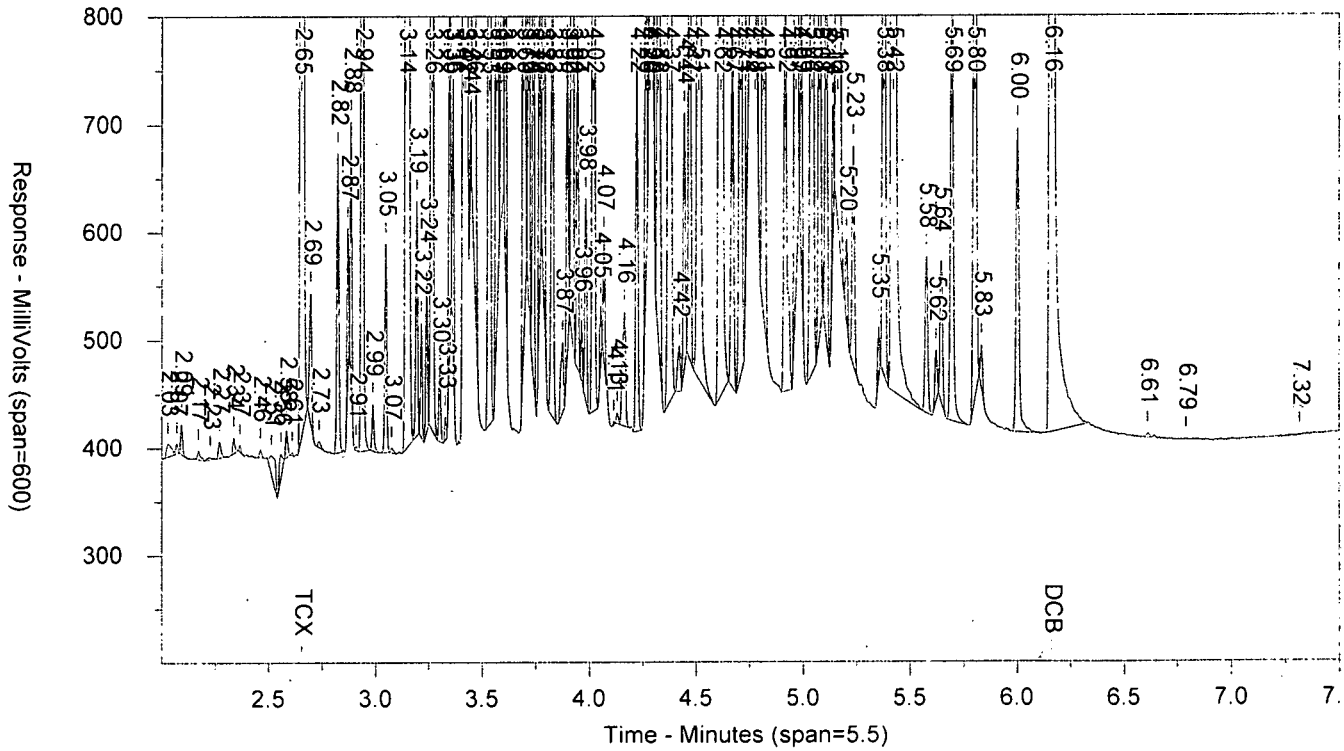

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZZPIBLKZZ PIBLK1725999999 10736 SW-846 8082
Injected On: 9/17/2017 5:36:00 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.634		4974	5156
1.967		1984	686
2.017		1568	693
2.112		12632	19895
2.147		25238	76977
2.295		40142	33746
2.391		24120	14076
2.432		7075	5321
2.552		11392	12318
2.577		8813	8806
2.669		5760	3500
2.717		2423	1510
2.758		5010	4147
2.845		37257	28503
2.931		29164	55379
2.954		3369	2778
3	TCX	7438673	4858011
3.197		111043	74105
3.257		4714	4002
3.329		28365	25749
3.408		2264	1767
3.557		1974	1401
3.666		3521	3876
3.844		1394	699
3.864		1098	236
3.88		927	239
3.9		570	207
3.909		744	293
3.933		1773	1103
3.995		2854	2589
4.072		2136	1752
4.135		1504	593
4.251		11376	11470
4.329		5602	5174
4.36		3809	4065
4.459		1376	1025
4.686		2189	3254
4.714		1525	855
4.739		1416	690
4.892		1405	481
4.923		1312	636
4.97		8614	8407
5.048		2898	4382
5.157		1829	1756
5.208		14119	12811
5.29		1388	897
5.402		1540	3146
5.437		1403	440
5.461		1535	334
5.515		2325	2408
5.612		11278	10740
5.735		31439	34688
5.827		2064	2542

RT A	Compound A	Height A	Area A
5.858		1154	1650
5.875		1163	495
5.913		4949	6014
5.959		2428	1276
6.016		852	779
6.037		1541	611
6.103		76793	73489
6.167		85039	99213
6.297		1135	586
6.464		2157	1037
6.505		2074	801
6.539		48505	49638
6.631		1599	571
6.686	DCB	2437983	2716282
6.83		1569	499
6.967		4333	6265
7.032		1385	418
7.088		1234	1227
7.264		2133	728
7.393		1471	672
7.501		1155	506
7.542		1324	359
7.618		1732	485
7.685		1284	365
7.851		1658	615
7.871		1682	671
7.937		1250	345
8.047		1401	593
8.078		1556	616
8.131		1208	335
8.234		1541	434
8.3		1262	334
8.4		1395	791
8.48		1698	498
8.605		1257	405
8.622		1294	814

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZZPIBLKZZ PIBLK1725999999 10736 SW-846 8082
Injected On: 9/17/2017 5:36:00 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.55		2027	1280
1.655		2624	3840
1.759		4914	6015
1.866		4326	3159
1.965		47586	53153
2.029		13449	21448
2.071		8118	6509
2.091		14017	8170
2.172		8176	8362
2.223		2212	3978
2.27		15113	13529
2.346		3417	5176
2.365		7394	4763
2.427		1945	1177
2.461		8683	6499
2.511		21802	49376
2.556		24413	28494
2.582		54267	42816
2.626		2496	1182
2.652	TCX	7998772	4823861
2.735		6627	5951
2.824		5090	5579
2.87		110726	69883
2.909		4389	4216
2.986		22457	16477
3.078		3406	3313
3.109		1983	1606
3.158		3328	2827
3.221		1785	1721
3.33		11565	9365
3.362		4708	3272
3.392		2956	2229
3.661		1657	2590
3.752		3906	8004
3.912		1505	1622
3.981		13905	12435
4.065		12498	12309
4.117		4632	4326
4.275		2610	3151
4.487		8844	9352
4.716		15997	12173
4.964		2355	3064
5.035		2797	2941
5.112		11492	9438
5.233		32749	27723
5.273		4910	4120
5.422		3711	3948
5.577		61237	54209
5.645		70972	59944
5.693		11164	9842
6		49642	48321
6.16	DCB	2965257	2947633
6.613		2086	1927
7.763		1492	2218

8.3	8281	15705

IBLKX1724B ZZPIBLKZZ PIBLK1725999999 10736 SW-846 8082

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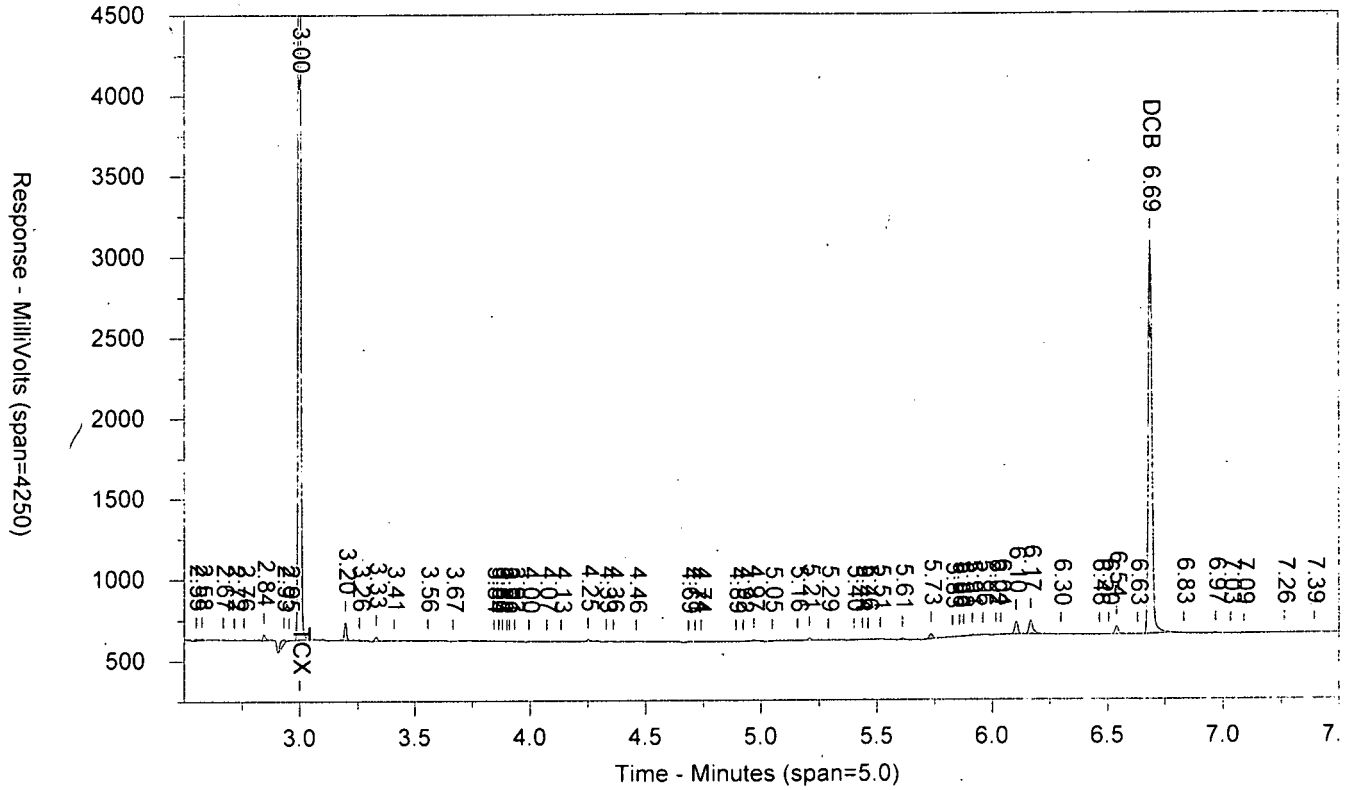

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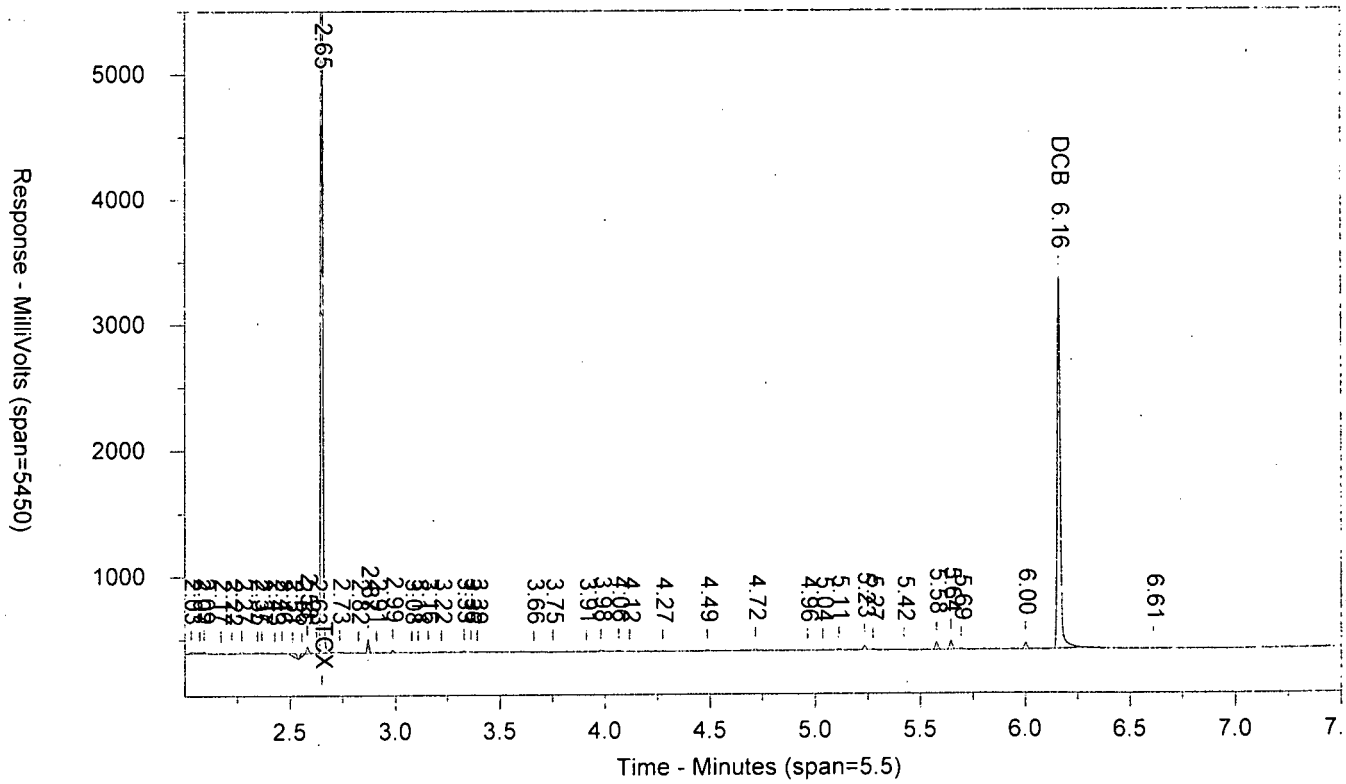

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZZPIBLKZZ PIBLK1725999999 10736 SW-846 8082
Injected On: 9/17/2017 5:36:00 PM Sample Weight: 1000
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	7438673	.197	TCX	2.652	7998772	.206	TCX
6.686	2437983	.181	DCB	6.16	2965257	.186	DCB

Files:
Area File: 07pcbs17250008.0006.RAW
Area File: 07pcbs17250008B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/17/2017 5:44:43 PM
File Reported On: 9/17/2017 at 5:44:57 PM

IBLKX1724B ZZPIBLKZZ PIBLK1725999999 10736 SW-846 8082

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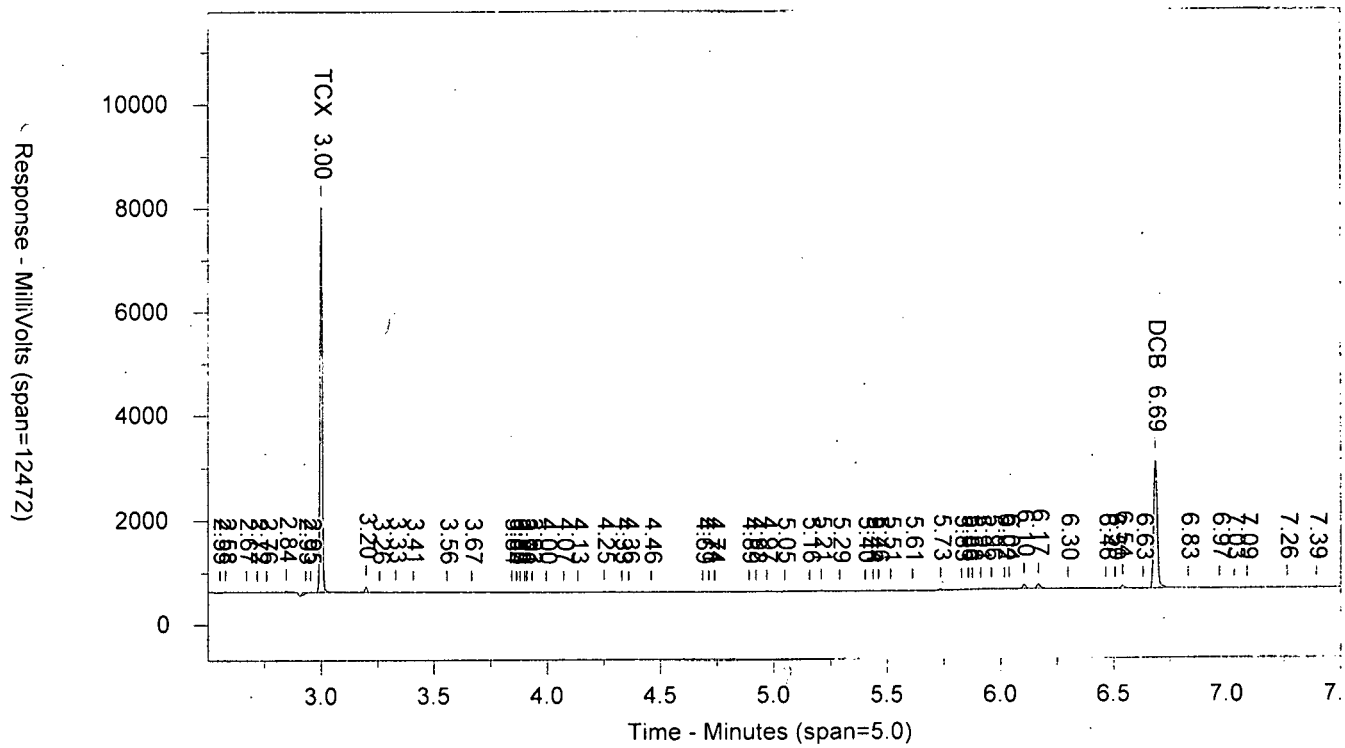

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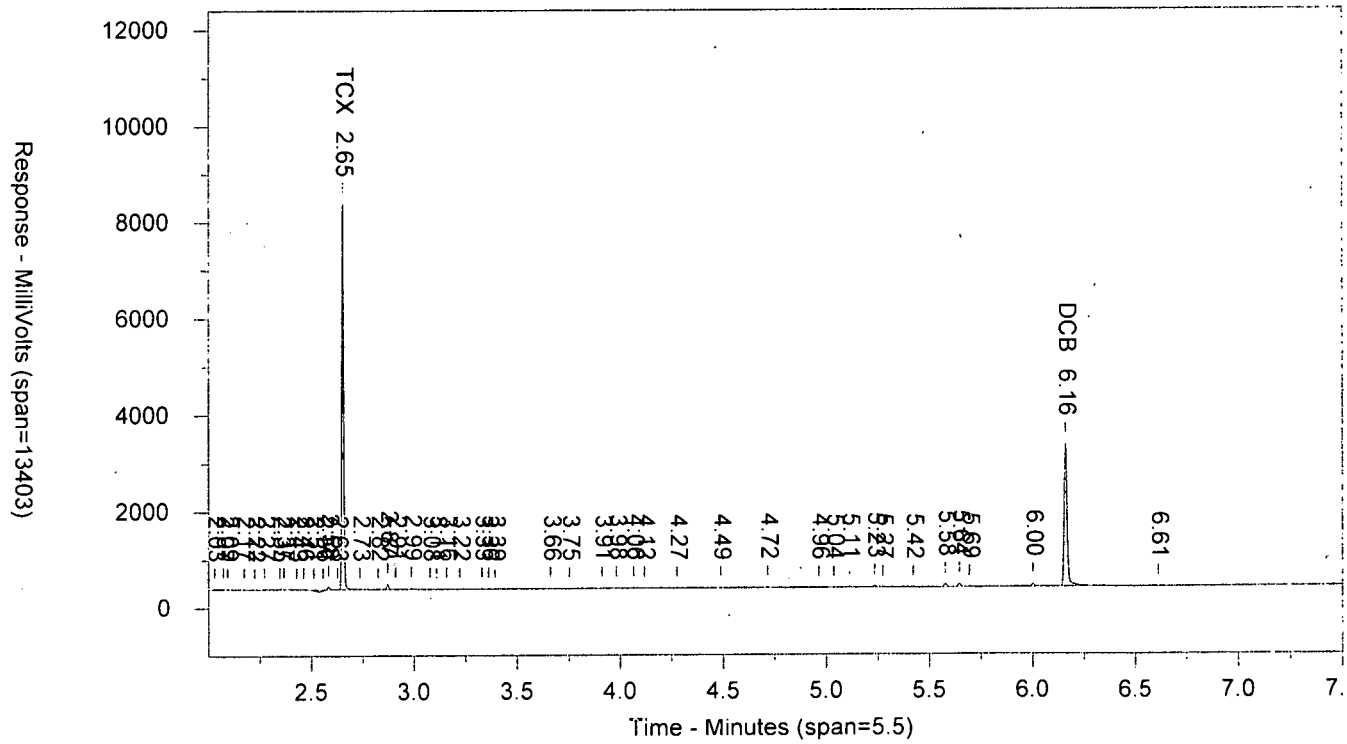

IBLKX1724B ZZPIBLKZZ PIBLK1725999999 10736 SW-846 8082

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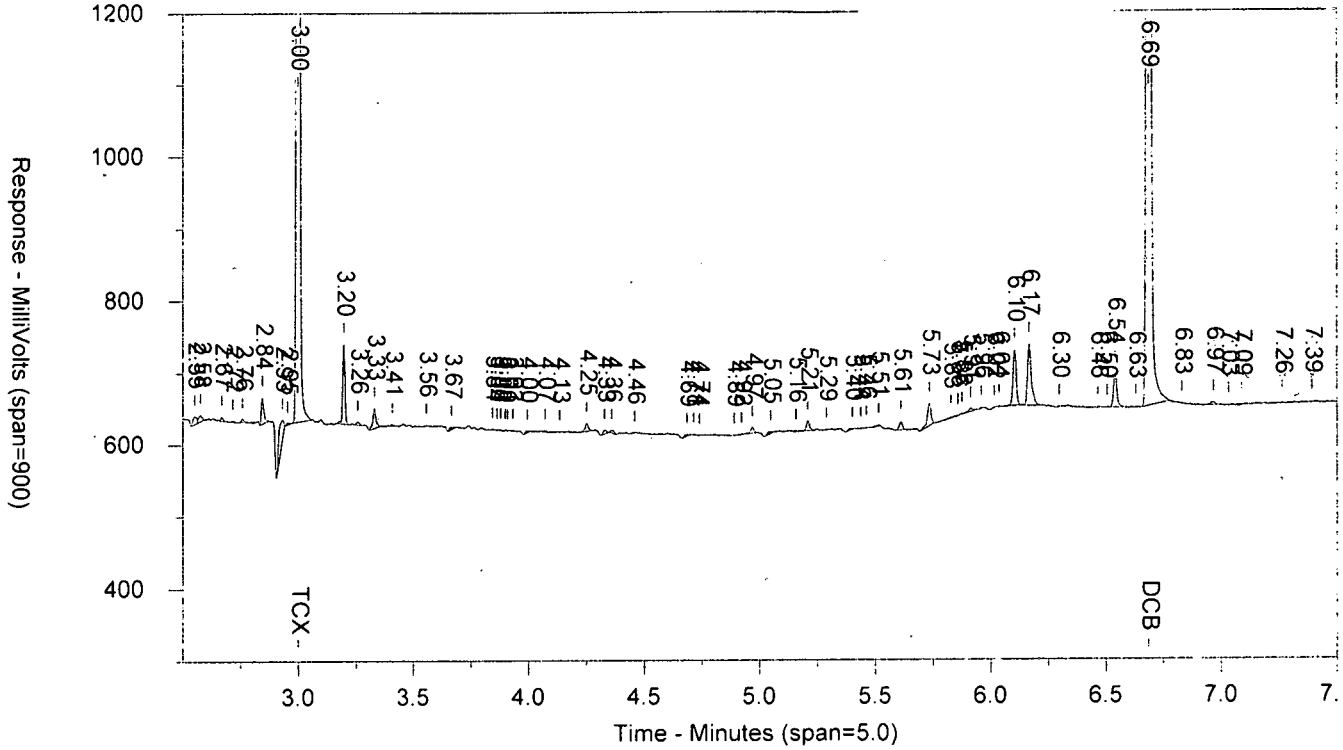

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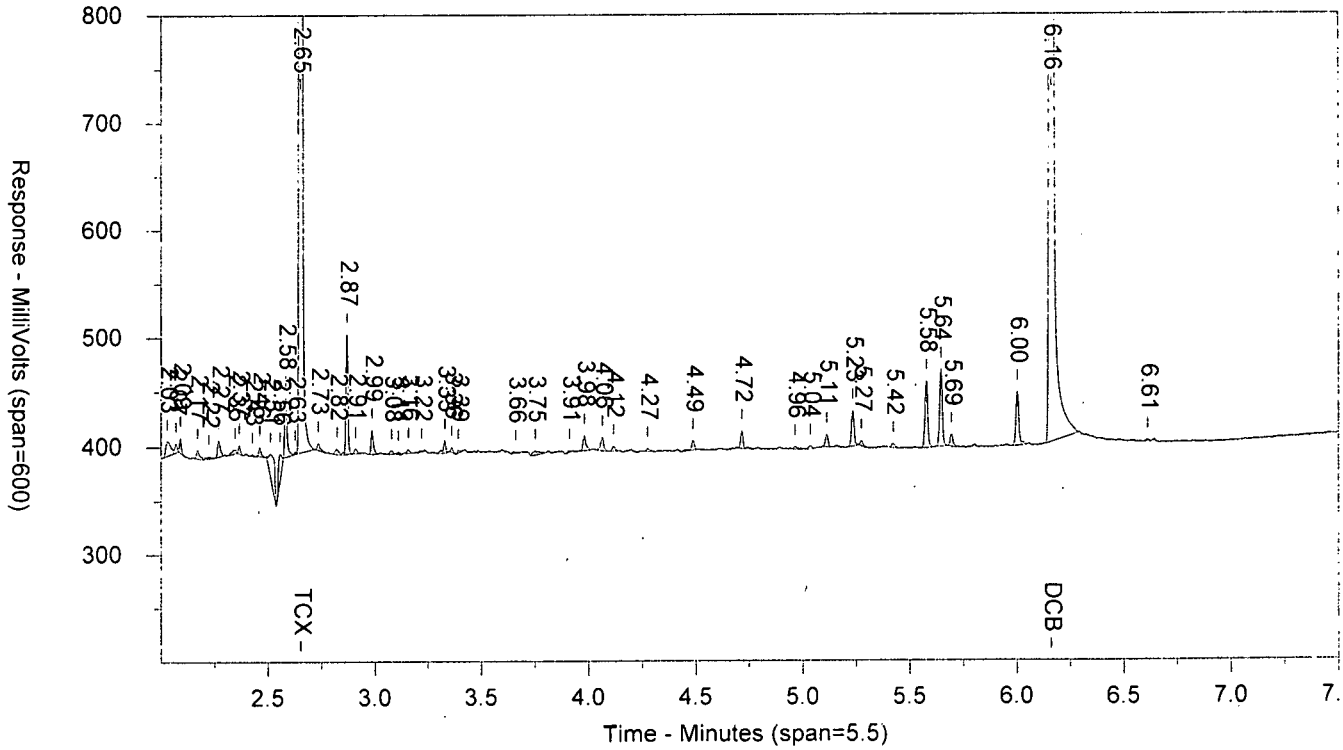

LANCASTER LABORATORIES

Sample Number: AR1641724B ZRAR164ZR CCAL 1725999999 10736 SW-846 8082
Injected On: 9/17/2017 9:24:17 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.637		4855	7713
2.108		14250	27236
2.151		27902	63317
2.216		3778	2025
2.294		75610	51469
2.39		45193	30960
2.403		29874	18390
2.432		9564	9430
2.552		13346	16216
2.602		3202	2798
2.635		15086	10214
2.823		6019	3471
2.843		31424	22502
2.927		30879	52411
2.956		4671	3770
2.999	TCX	15894750	10112390
3.146		219315	187570
3.201		367492	324135
3.25		1306093	902064
3.328		28402	13631
3.344		162318	100976
3.383		4425	2583
3.465		1350669	814807
3.482		702504	369155
3.519		178851	103593
3.535		29514	10908
3.547		97890	50088
3.58		1609865	1166810
3.616		10593	5278
3.636		28222	16239
3.655		62189	37554
3.689		365380	215246
3.704		198290	101687
3.748		986178	518529
3.76		1558009	818186
3.799		1818337	1407940
3.859		1622358	1217398
3.9		137044	98978
3.928		1141306	820305
3.955		801987	659882
3.978		235889	129302
4.054		1262528	876877
4.079		449060	298191
4.11		490786	353849
4.144		1305477	1220137
4.184		412492	332550
4.232		57909	51430
4.271		83573	62104
4.306		1166341	845924
4.325		289329	152290
4.349		338960	263766
4.42		200670	169820
4.462		1274782	1201973

RT A	Compound A	Height A	Area A
4.496		38979	27601
4.56		13008	9523
4.602		112636	105281
4.654		144887	100084
4.671		366880	248899
4.715		803139	719768
4.764		1285877	1387479
4.801		286498	204502
4.841		2765108	2557487
4.885		13805	10750
4.929		407410	434301
4.961		28462	18566
4.989		464475	430175
5.042		2686887	3369862
5.093		551811	506607
5.132		1158362	1312772
5.173		10205	4963
5.212		221728	268347
5.245		2543514	2314899
5.266		59894	38893
5.286		29368	11425
5.311		1376491	1253025
5.353		847331	808916
5.448		339933	271706
5.472		1528709	1386403
5.528		886612	802815
5.567		520087	505844
5.608		88481	93856
5.649		506318	556286
5.706		3727570	3988151
5.909		2299735	2174930
5.942		88949	69346
5.965		580445	624081
6.099		152075	146118
6.179		499398	729325
6.292		2394	1115
6.334		826058	860446
6.377		52460	45990
6.534		271201	289916
6.68	DCB	5252491	5425297
7.017		1767	998
7.118		900	432
7.136		2397	1201
7.302		1759	439
7.465		1341	467
7.494		1834	791
7.559		1203	589
7.652		1460	403
7.874		1851	600
8.045		1556	656
8.057		1908	990
8.136		1484	923
8.163		1963	461
8.268		1824	460
8.287		1891	1524
8.551		1143	302
8.657		1585	395

LANCASTER LABORATORIES

Sample Number: AR1641724B ZRAR164ZR CCAL 1725999999 10736 SW-846 8082
Injected On: 9/17/2017 9:24:17 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.656		1618	1389
1.761		3158	2705
1.805		2676	4688
1.965		86556	85565
2.03		15397	23228
2.092		28928	19665
2.171		2563	3917
2.222		1840	926
2.27		11029	13406
2.336		14231	8072
2.399		2494	1434
2.461		3023	1844
2.511		13837	35018
2.565		9974	24153
2.582		47949	33075
2.626		2388	1216
2.652	TCX	16568790	9914308
2.695		122485	85828
2.822		270501	180712
2.869		153557	71269
2.883		244398	122083
2.936		1354447	855905
2.986		44093	26624
3.046		197321	125109
3.143		1764795	1720831
3.194		221313	135331
3.215		101366	56259
3.241		151745	84892
3.264		1690901	1129582
3.301		60571	35383
3.329		32068	15724
3.347		442128	233587
3.363		259814	121490
3.389		3382	1498
3.413		828796	383291
3.422		1965415	836121
3.442		77589	27429
3.456		1704252	1145314
3.53		1790919	1149528
3.564		1271581	783975
3.588		1357541	747109
3.606		429383	228058
3.691		1583185	1024040
3.714		586362	323051
3.735		548073	326593
3.765		349652	189045
3.783		1244474	764806
3.825		457285	330728
3.873		61763	53605
3.895		318794	186974
3.916		1704641	1078068
3.942		318989	193631
3.961		56509	27155
3.981		200927	126962

4.017		1278464	906938
4.051		51318	30347
4.066		111638	68622
4.115		2355	1146
4.126		8888	5621
4.162		93720	81481
4.219		351764	249761
4.262		398132	240612
4.28		245036	135124
4.294		914408	526057
4.319		522574	538095
4.372		2860017	2183946
4.419		40344	32141
4.442		241098	160444
4.467		626207	467403
4.51		3303753	2582495
4.613		2653440	2540193
4.667		342351	276264
4.705		728997	624698
4.741		3145340	2591707
4.774		1597811	1153578
4.813		1148603	871018
4.913		387135	384936
4.964		1986361	1590518
4.987		232084	150470
5.039		1038299	942079
5.074		510297	401704
5.104		357954	291222
5.136		128367	72146
5.158		4168354	3476089
5.199		78245	52374
5.231		180758	144221
5.35		46673	30015
5.373		879467	709239
5.418		2462502	2913502
5.573		115417	106538
5.618		50860	35181
5.642		110086	83730
5.69		440896	399954
5.798		832220	715911
5.828		35530	25868
5.998		289891	281655
6.157	DCB	6213015	5997338
6.609		3358	3479
7.687		1343	1330
8.141		2319	9112
8.293		8554	16056

AR1641724B ZRAR164ZR CCAL 1725999999 10736 SW-846 808

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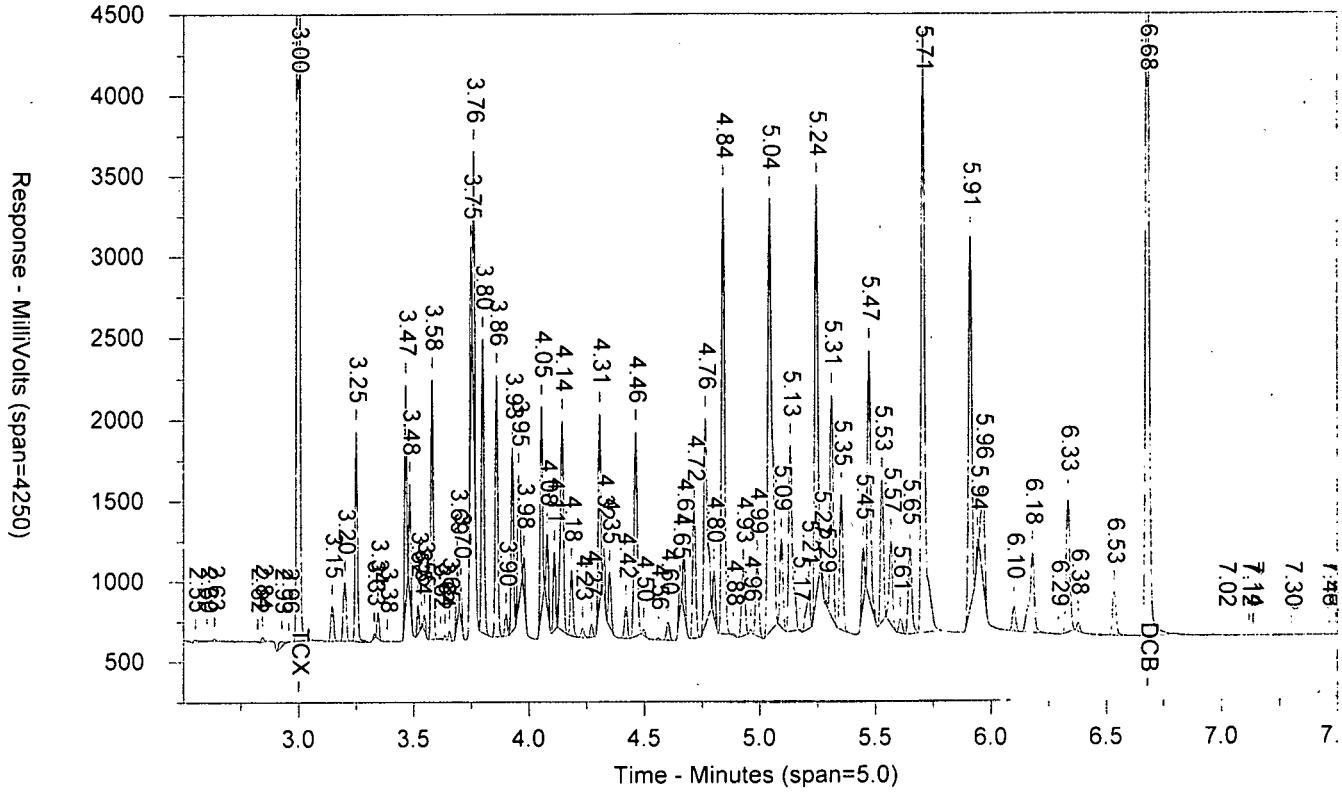

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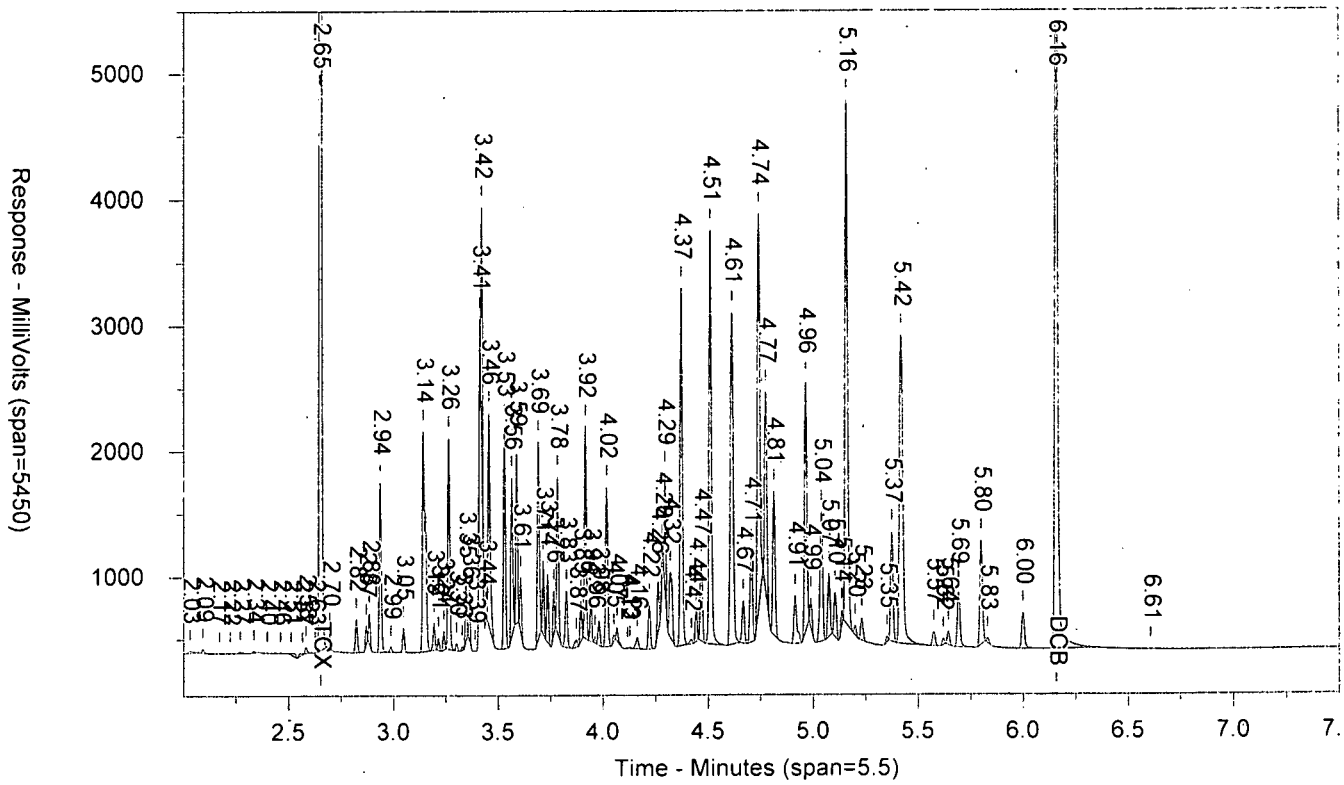

LANCASTER LABORATORIES

Sample Number: AR1641724B ZRAR164ZR CCAL 1725999999 10736 SW-846 8082
Injected On: 9/17/2017 9:24:17 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound E
2.999	15894750	41.994	TCX	2.652	16568790	42.635	TCX
6.68	5252491	38.913	DCB	6.157	6213015	39.001	DCB

Files:
Area File: 07pcbs17250008.0026.RAW
Area File: 07pcbs17250008B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/17/2017 9:33:01 PM
File Reported On: 9/17/2017 at 9:33:05 PM

AR1641724B ZRAR164ZR CCAL 1725999999 10736 SW-846 808

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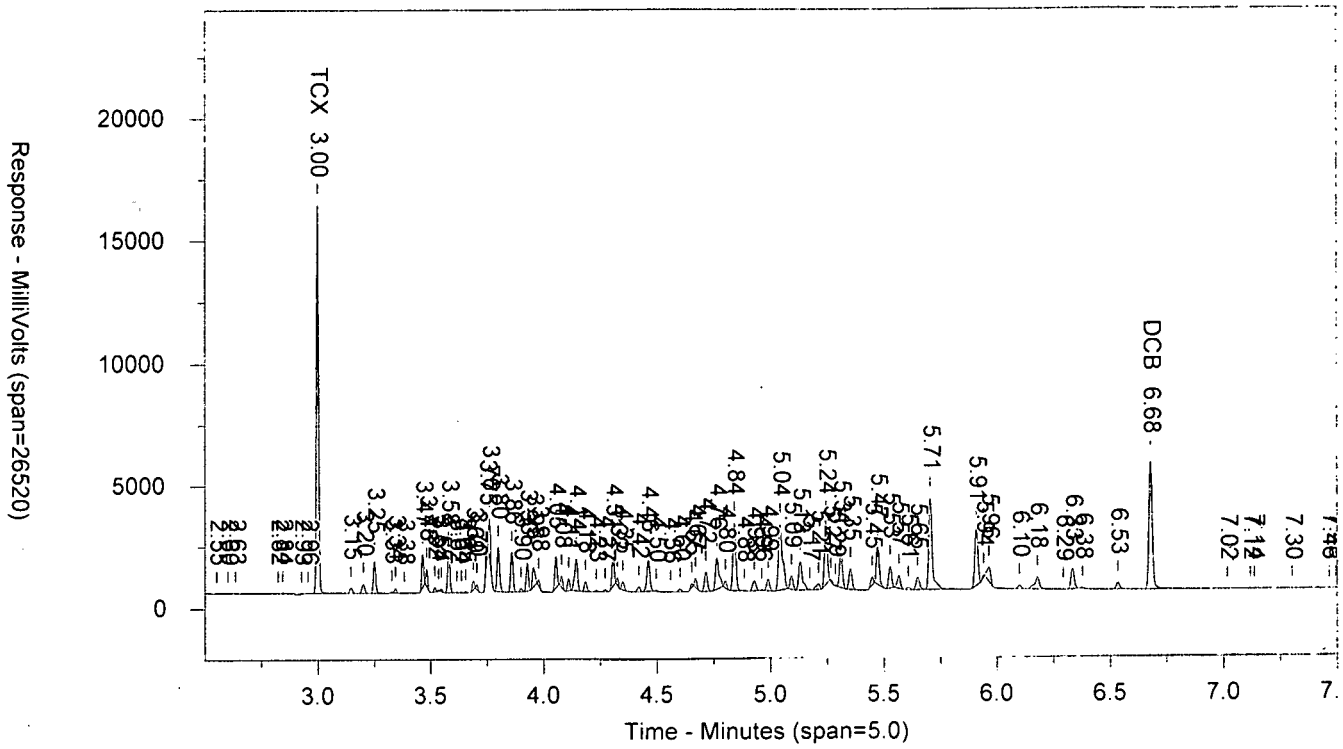

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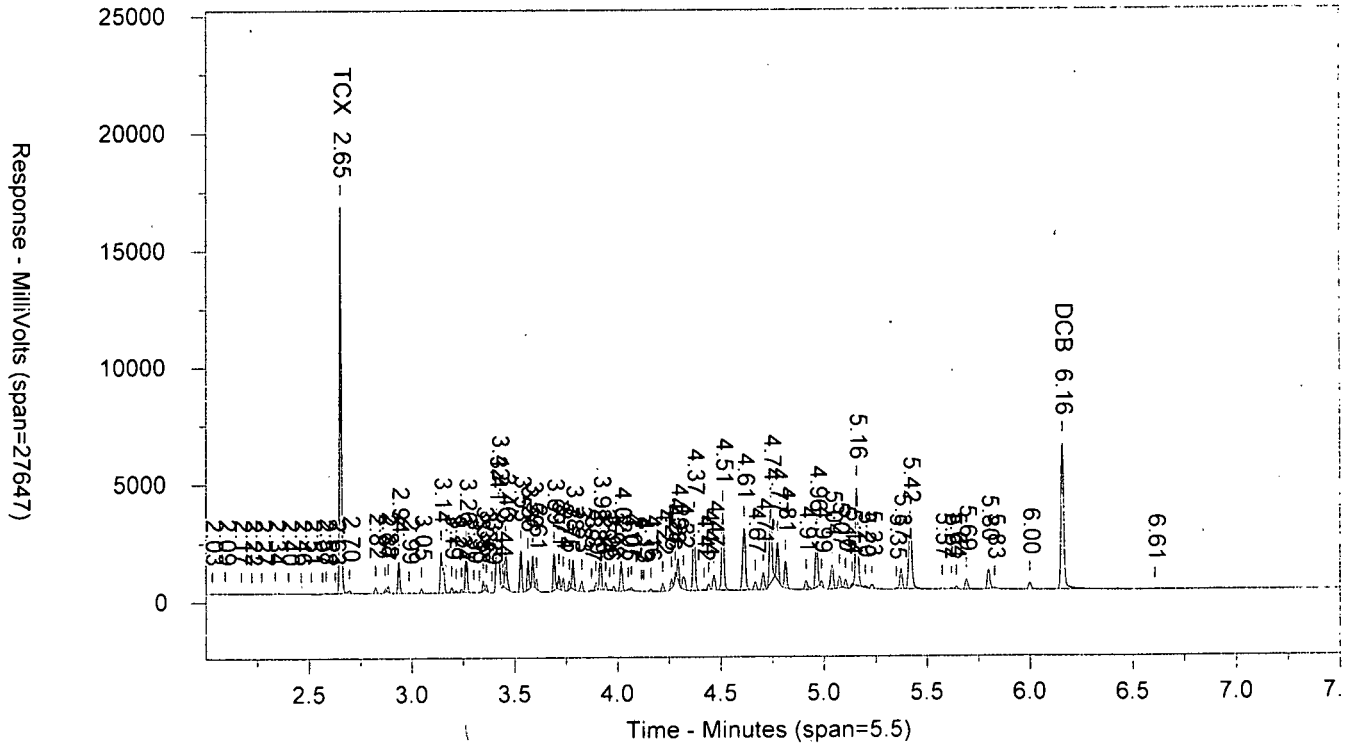

AR1641724B ZRAR164ZR CCAL 1725999999 10736 SW-846 808

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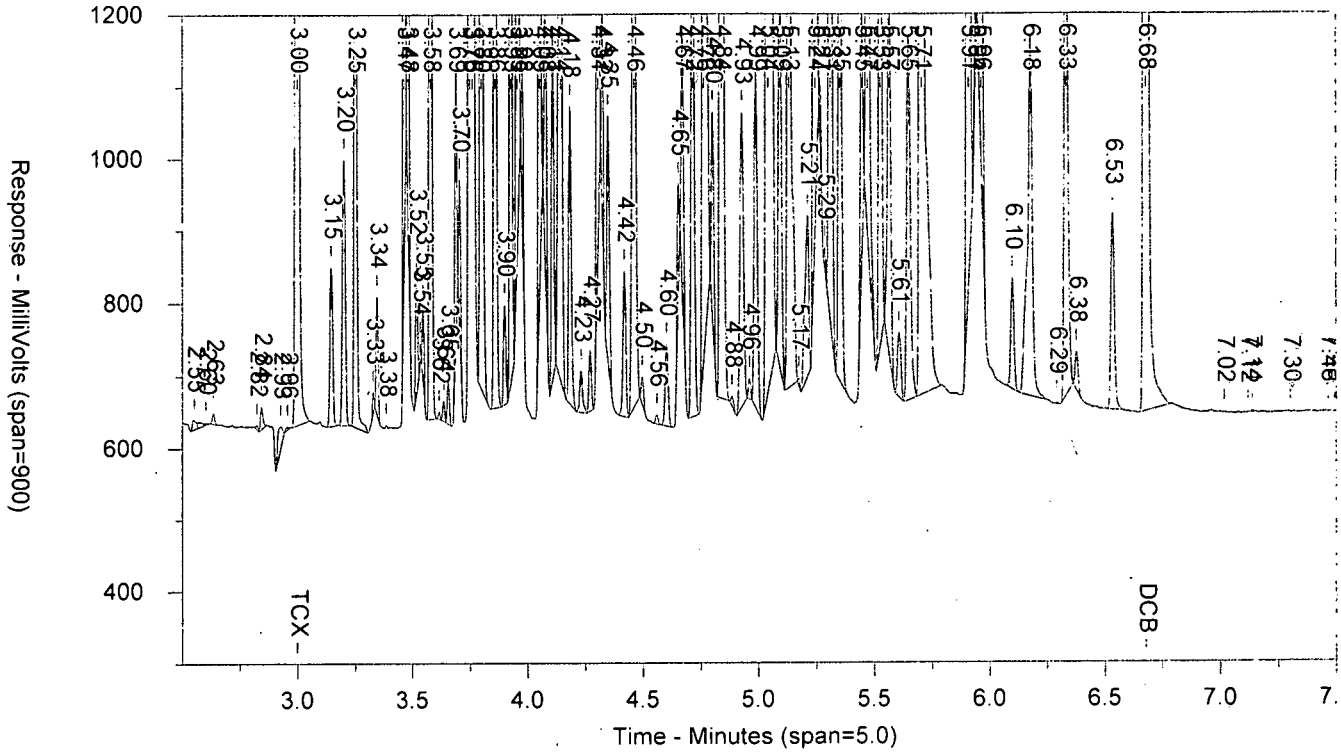

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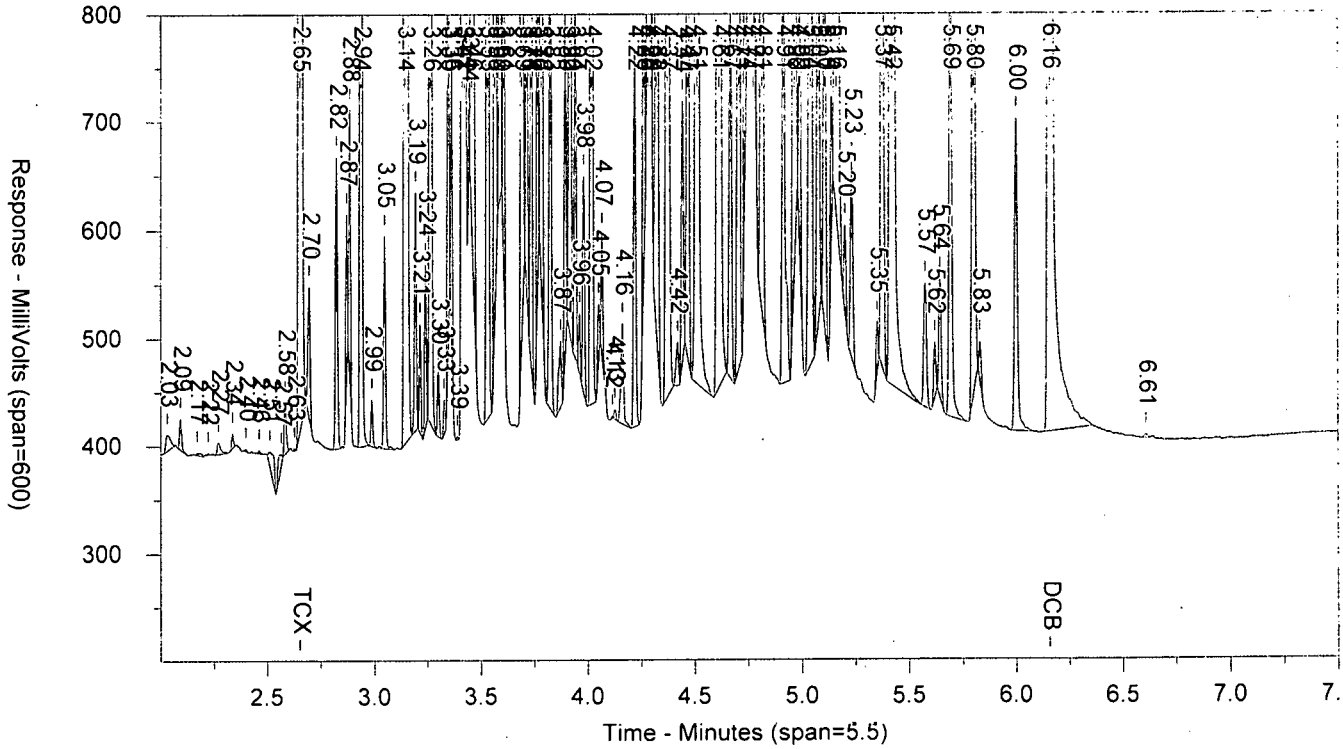

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ABPIBLKAB PIBLK1725999999 10736 SW-846 8082
Injected On: 9/17/2017 9:35:33 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.633		5802	6226
1.973		2371	1487
2.03		2527	2822
2.111		10573	17348
2.148		36039	98246
2.294		43613	43384
2.39		37495	27180
2.434		10987	12173
2.479		4977	3482
2.552		10385	11843
2.576		8139	7622
2.628		2394	2306
2.666		5559	3601
2.761		4347	3716
2.844		77394	135571
2.931		15470	27790
2.951		2572	1429
2.999	TCX	7840726	5022978
3.096		5283	3520
3.178		3291	1404
3.196		112854	72782
3.254		5357	4292
3.327		31166	27897
3.404		4481	3966
3.635		12218	6888
3.666		2432	3542
3.736		4855	3304
3.795		2730	2203
3.839		998	460
3.88		1469	691
3.892		975	302
3.899		1791	530
3.911		1034	317
3.93		1613	534
3.945		1226	651
3.99		2733	2484
4.036		1394	1122
4.068		1948	1144
4.248		12044	12723
4.324		5630	5910
4.359		4509	3066
4.45		1957	985
4.593		1224	732
4.631		2325	3209
4.682		2752	3721
4.861		1120	512
4.969		2075	1446
5.044		2067	3342
5.207		3239	2454
5.386		2251	1566
5.447		1120	1050
5.512		4965	7511
5.585		1359	734

RT A	Compound A	Height A	Area A
5.609		4259	4798
5.73		16414	20367
5.779		1566	558
5.805		1273	459
5.852		1435	1854
5.876		1457	333
5.913		3561	4739
5.938		1175	476
5.963		3106	4590
6.02		1698	2596
6.099		54715	53687
6.163		59577	63785
6.308		1615	2589
6.333		1942	753
6.417		1782	2142
6.533		45289	43540
6.63		1508	650
6.679	DCB	2640858	2766859
6.87		1050	418
6.922		1843	332
6.937		1401	385
7.001		1091	724
7.054		1206	532
7.075		955	464
7.097		1354	574
7.138		2210	1325
7.316		1443	668
7.372		1722	509
7.391		1784	1085
7.423		1651	350
7.451		2037	1985
7.491		1493	443
7.513		1232	539
7.642		1785	809
7.677		2461	701
8.053		1634	377
8.352		1136	1275
8.484		1980	1294
8.502		1587	1185
8.53		1882	810
8.591		1791	551
8.607		1566	402
8.626		1321	444
8.676		1312	399

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ABPIBLKAB PIBLK1725999999 10736 SW-846 8082
Injected On: 9/17/2017 9:35:33 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.564		2361	2153
1.666		3946	4265
1.767		7009	5881
1.826		2594	5399
1.869		6329	5056
1.965		48460	56812
2.033		22769	38831
2.072		9529	7543
2.091		13504	8620
2.173		8428	7206
2.271		18356	16891
2.327		1802	799
2.351		2650	1245
2.366		6815	4351
2.431		2151	1740
2.462		8063	6128
2.51		7641	20278
2.555		18597	19327
2.582		97613	81340
2.652	TCX	8305620	4991138
2.736		7553	7317
2.822		5819	6313
2.869		116332	71528
2.908		6246	5376
2.986		23533	16911
3.076		5563	4957
3.156		5146	4516
3.218		1683	944
3.235		3732	2910
3.328		18143	14116
3.361		5976	3718
3.391		2901	2162
3.422		2739	3197
3.462		2325	1828
3.484		2321	1463
3.599		3317	5180
3.646		1539	1169
3.756		3452	8176
3.813		2466	2197
3.912		2882	5893
3.978		14932	14383
4.063		11593	10501
4.115		6156	7664
4.27		3707	8649
4.445		1410	894
4.485		2369	1773
4.509		2205	2323
4.714		5010	3894
4.743		2949	3041
5.034		2256	2171
5.11		3622	2504
5.157		3591	3972
5.231		15231	12908
5.27		5354	5653

5.371		1658	1437
5.419		4552	5523
5.574		44250	39517
5.642		48462	43288
5.691		4653	3971
5.998		47634	41004
6.157	DCB	3119215	3006460
6.606		2061	1660
7.049		950	378
7.695		1556	2681
8.292		8240	15613

IBLKX1724B ABPIBLKAB PIBLK1725999999 10736 SW-846 8082

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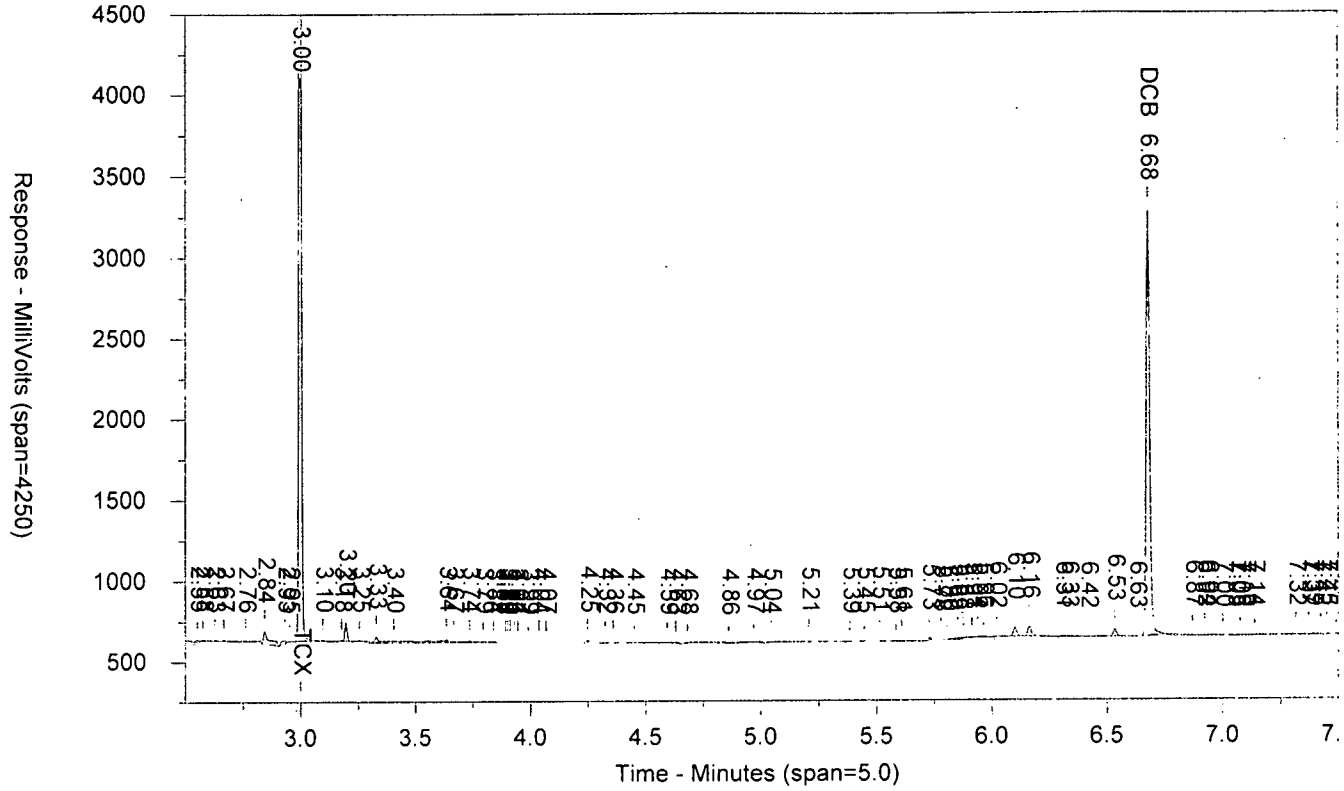

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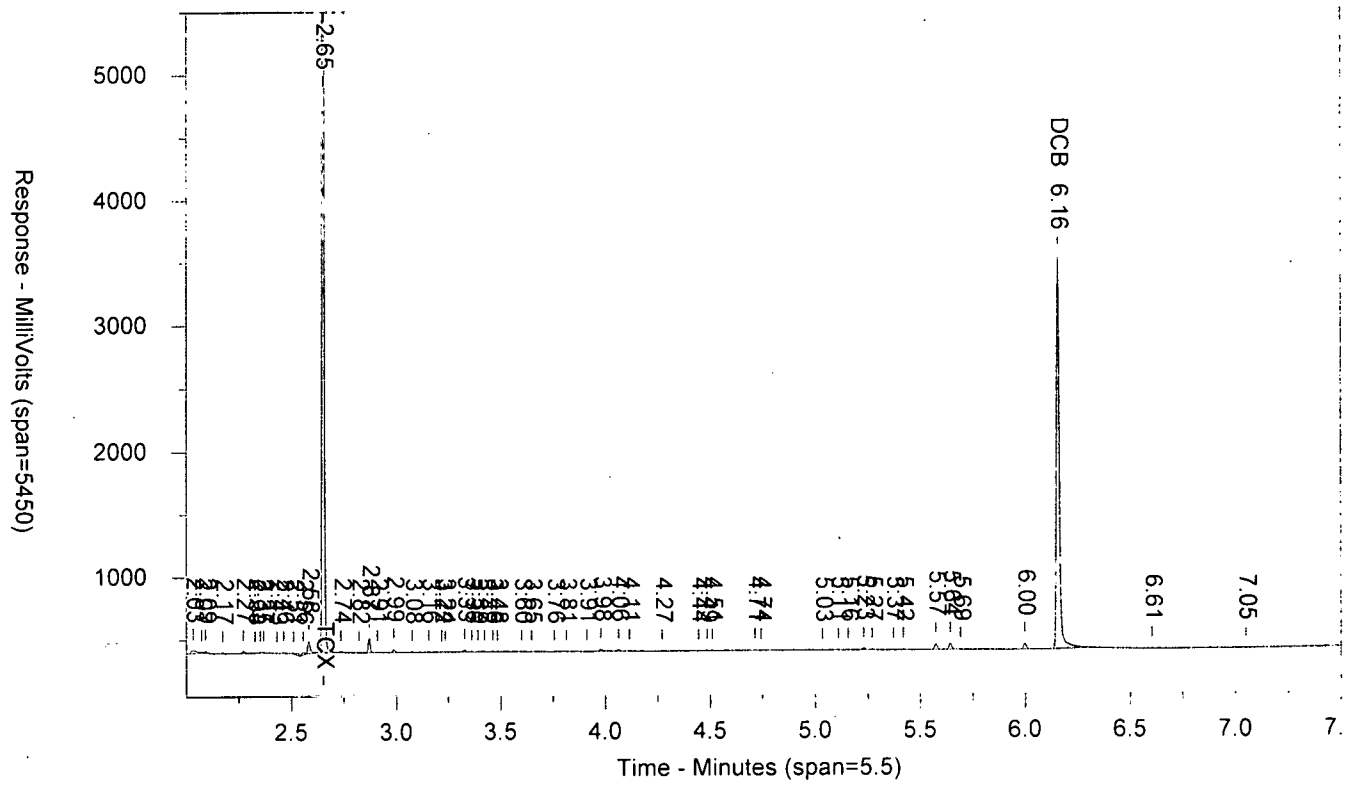

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ABPIBLKAB PIBLK1725999999 10736 SW-846 8082
Injected On: 9/17/2017 9:35:33 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	7840726	.207	TCX	2.652	8305620	.214	TCX
6.679	2640858	.196	DCB	6.157	3119215	.196	DCB

Files:
Area File: 07pcbs17250008.0027.RAW
Area File: 07pcbs17250008B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/17/2017 9:44:18 PM
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IBLKX1724B ABPIBLKAB PIBLK1725999999 10736 SW-846 8082

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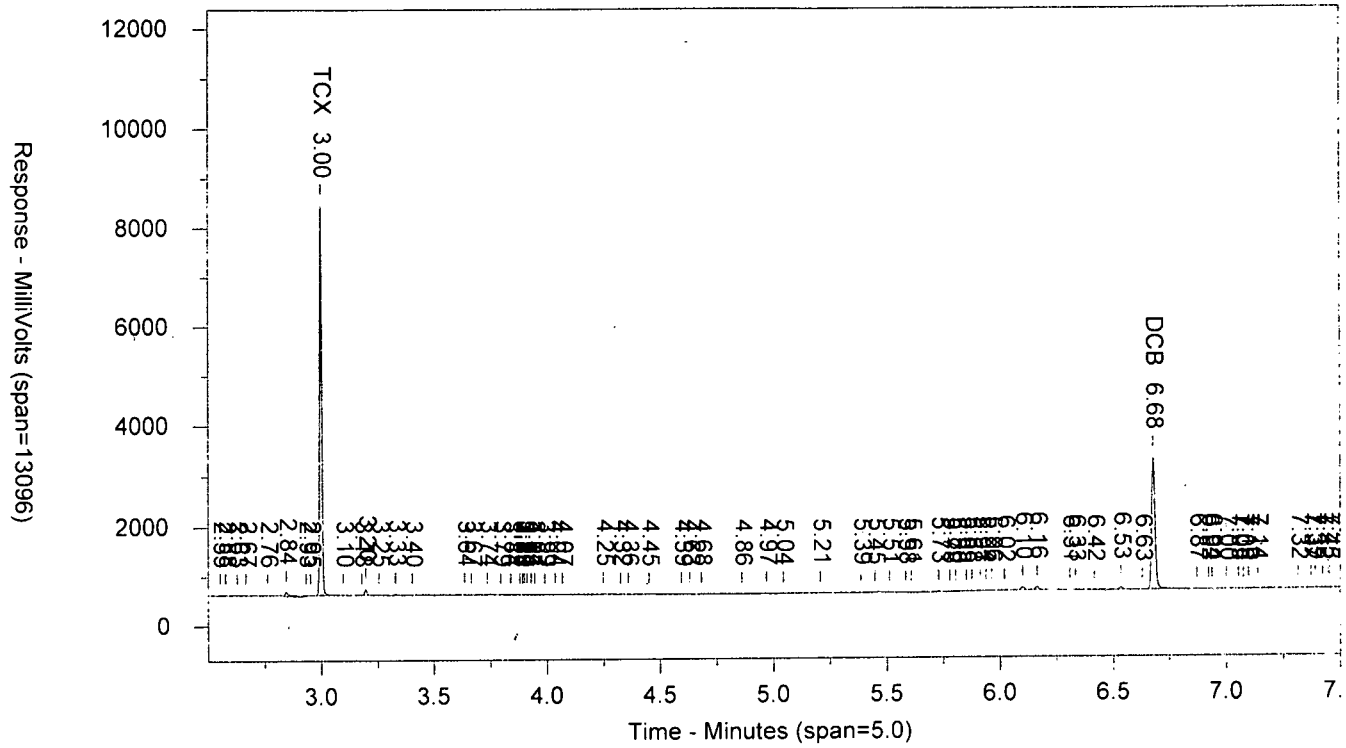

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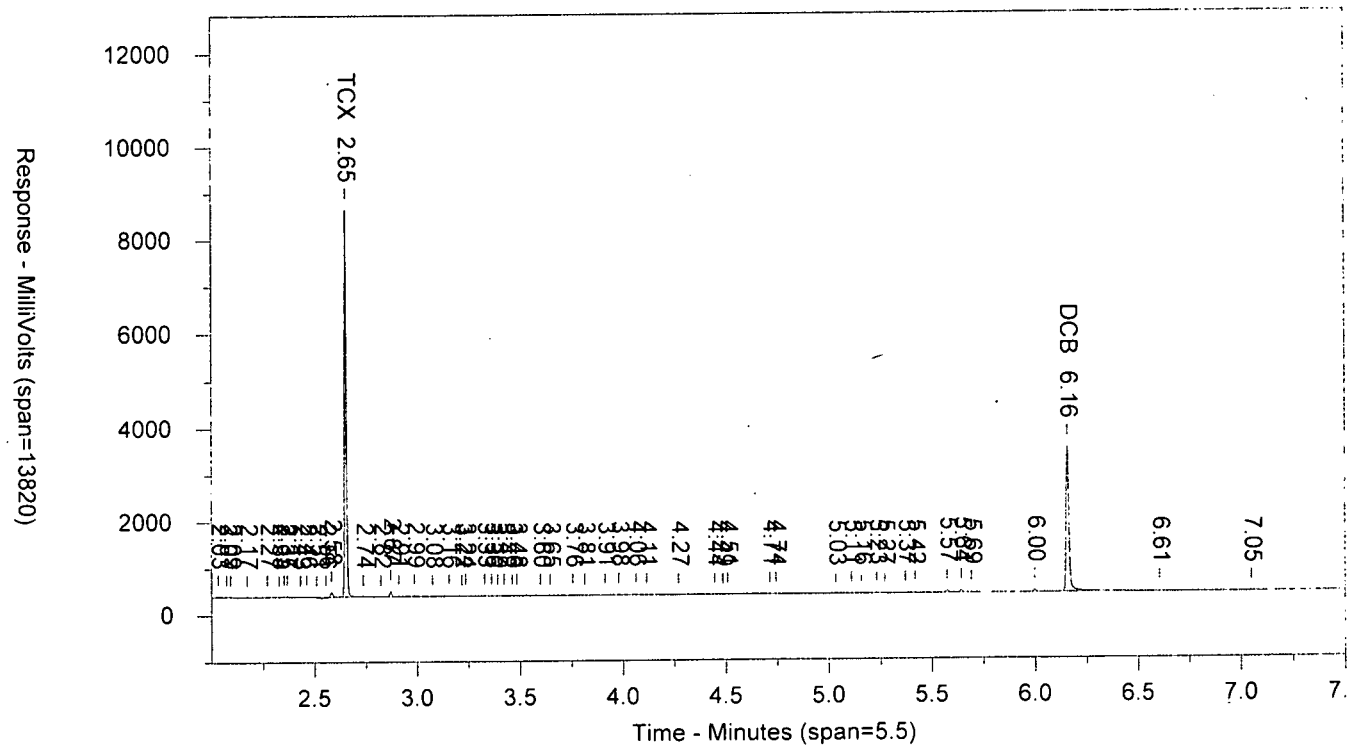

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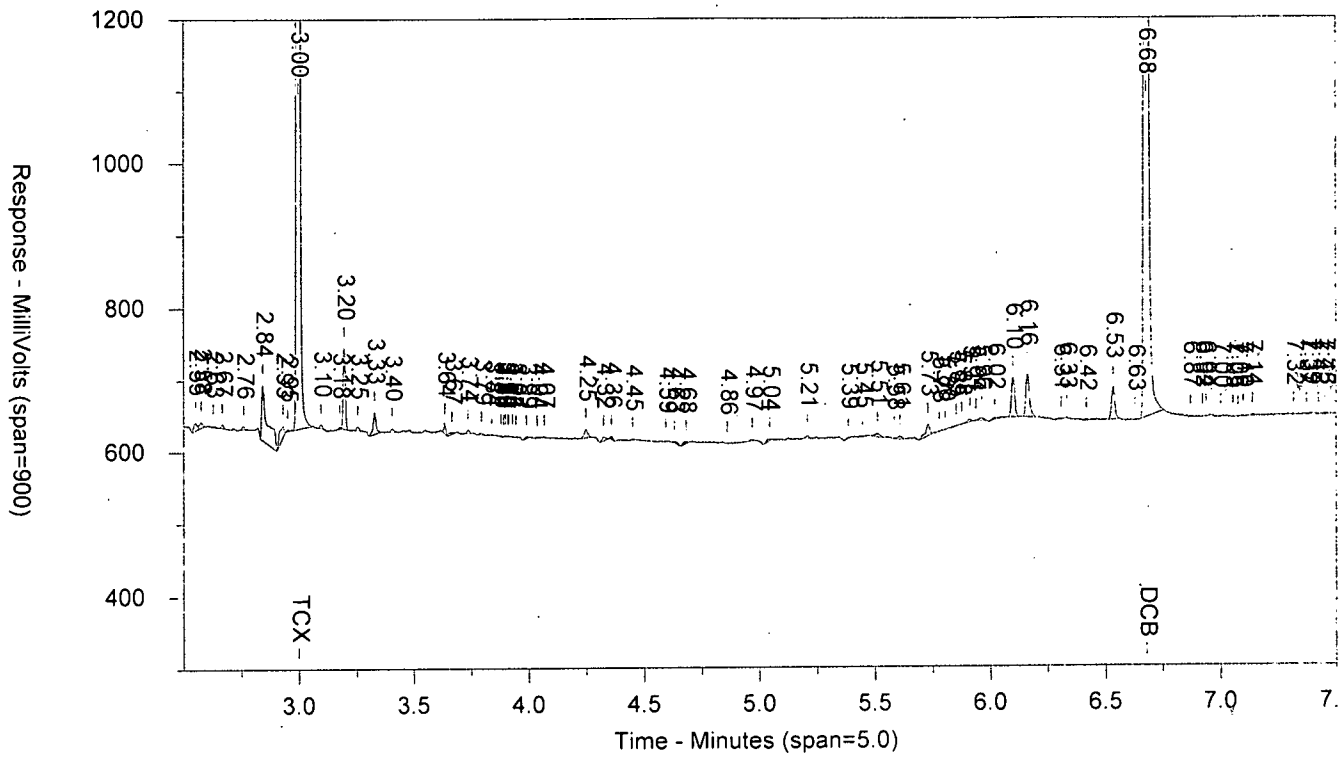

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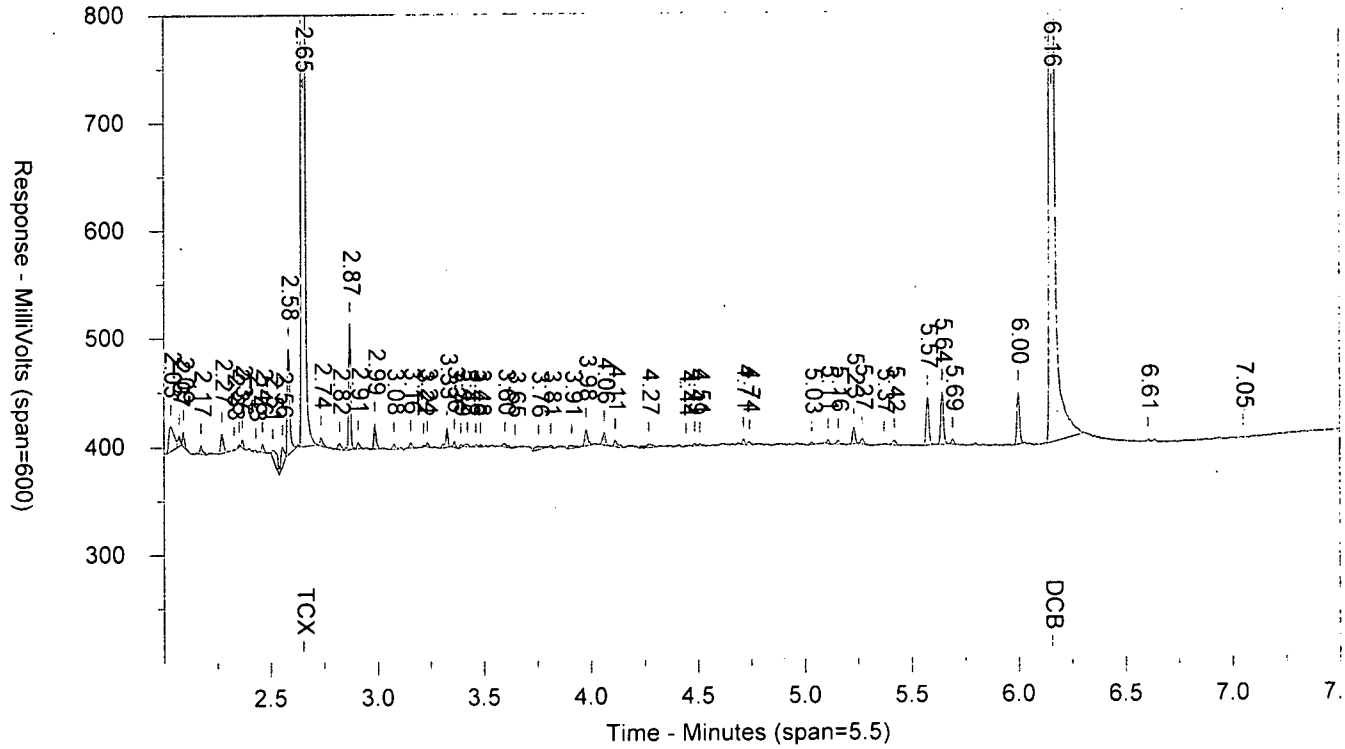


LANCASTER LABORATORIES

Sample Number: AR1641724B ZSAR164ZS CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 1:34:42 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0048.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.641		851	3361
2.111		9086	13585
2.149		21129	39574
2.219		2691	1843
2.295		75167	51591
2.391		35084	22147
2.404		30016	18950
2.433		8152	7488
2.549		8697	7905
2.635		16081	10612
2.717		3193	2403
2.844		9571	6603
2.931		25619	53787
2.953		3647	2138
2.999	TCX	15290510	9968292
3.147		225106	196902
3.202		367335	326629
3.251		1271165	889509
3.327		28596	13706
3.344		163603	102312
3.387		3673	2252
3.465		1399132	821809
3.482		653989	366859
3.519		174551	102645
3.535		32995	12283
3.547		96447	48178
3.581		1600929	1179139
3.616		9907	5247
3.636		22311	12339
3.655		63736	40132
3.689		377347	219343
3.705		206057	102816
3.748		854432	460732
3.76		1604840	841044
3.799		1838598	1412100
3.859		1613610	1220576
3.9		144078	98930
3.928		1119100	825412
3.955		792085	651826
3.977		229090	121289
4.054		1222783	874131
4.078		446898	296079
4.11		495459	354547
4.144		1264834	1220220
4.184		400917	333011
4.231		58382	49992
4.271		89363	65736
4.306		1220172	880435
4.325		266465	144349
4.349		322535	251195
4.419		199356	168695
4.462		1291996	1207059
4.497		43848	29836

RT A	Compound A	Height A	Area A
4.559		13678	11296
4.602		142942	132458
4.654		158438	98583
4.671		367276	255487
4.715		817435	718303
4.764		1275359	1409808
4.802		300221	214620
4.84		2858309	2565574
4.884		18231	15027
4.928		402940	429212
4.961		30568	19782
4.989		450710	428427
5.041		2771466	3422240
5.093		560460	512837
5.132		1199905	1326046
5.173		9450	3934
5.212		229489	269798
5.245		2570190	2302224
5.267		78673	45554
5.287		29191	11341
5.311		1418550	1261665
5.354		849736	811158
5.448		328645	267026
5.473		1561341	1376547
5.528		885110	786694
5.567		508000	499021
5.608		105196	103153
5.651		510556	555254
5.707		3763967	4055373
5.91		2193245	2088026
5.942		79689	58914
5.964		550780	618600
6.1		177235	173356
6.18		510264	780659
6.333		814431	873604
6.377		52883	48005
6.533		296048	312846
6.68	DCB	5309724	5583258
6.931		1751	400
7.075		1442	929
7.141		1736	1188
7.274		1535	710
7.436		1703	640
7.479		1401	1402
7.505		1375	643
7.659		1378	544
7.737		1434	436
7.861		1384	938
7.945		1584	1021
7.989		1534	518
8.184		1079	288
8.219		1685	733
8.28		1221	700
8.446		1618	503
8.471		1967	753
8.501		1111	497
8.566		1611	283
8.628		1565	479
8.67		1430	404
8.69		1912	728

LANCASTER LABORATORIES

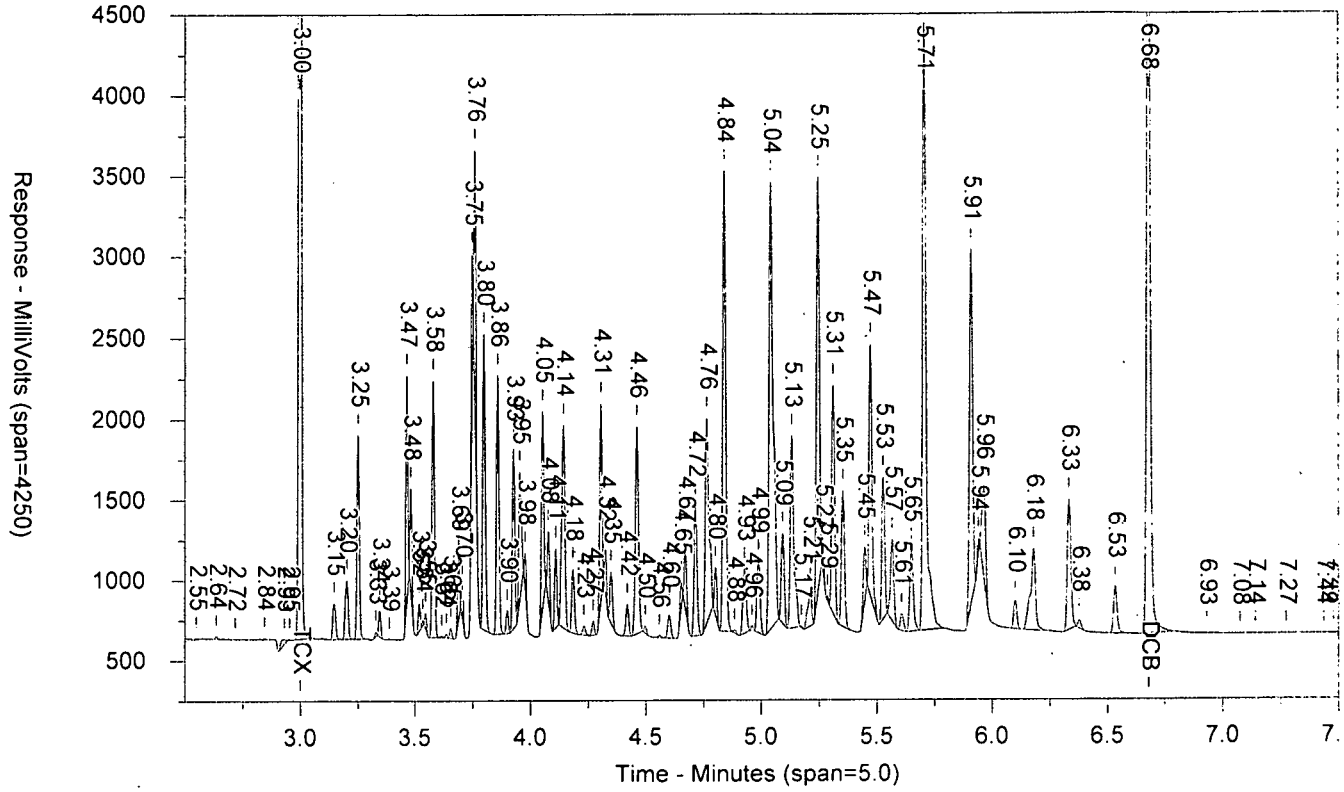
Sample Number: AR1641724B ZSAR164ZS CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 1:34:42 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0048.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.761		2237	1843
1.821		1885	3963
1.924		1431	3161
1.965		82383	78404
2.032		12929	24213
2.092		29353	20046
2.271		8487	8716
2.337		20515	24771
2.402		2878	2493
2.509		13075	38680
2.582		25412	67779
2.608		3473	1607
2.625		2217	1097
2.652	TCX	16381520	9915847
2.694		117542	86173
2.822		278430	188079
2.869		154176	73439
2.883		236609	122417
2.935		1330738	862369
2.985		42304	25583
3.046		197391	124238
3.142		1752364	1720088
3.193		220714	134925
3.214		106704	59841
3.24		144756	82135
3.264		1719397	1126857
3.301		66810	38051
3.328		26775	12540
3.347		441399	229919
3.362		253775	122087
3.413		803081	397473
3.422		1905042	789674
3.441		77479	26606
3.455		1664337	1138317
3.529		1811144	1135365
3.564		1273645	795330
3.587		1382393	751339
3.605		448543	220351
3.69		1577072	1019883
3.713		583488	319304
3.734		549364	326172
3.764		353249	187146
3.782		1208329	752928
3.824		457624	327071
3.873		62914	54038
3.894		297882	179745
3.916		1607115	1060401
3.941		308027	185705
3.96		58174	28070
3.98		202088	125743
4.016		1295425	896128
4.05		53694	30421
4.065		110159	68161
4.111		2661	1264

4.126		9558	6683
4.161		100531	103797
4.219		340695	247970
4.261		403396	236947
4.28		251227	129661
4.293		965817	532341
4.318		519070	533766
4.372		2926934	2170884
4.418		38695	32993
4.442		225146	148958
4.466		629393	453490
4.509		3223757	2552912
4.612		2538781	2522898
4.666		331569	275052
4.705		714205	623053
4.74		3073781	2541897
4.774		1635943	1161831
4.812		1082786	858237
4.912		385502	379179
4.964		1984932	1574955
4.987		219569	142880
5.038		994775	935012
5.074		495090	391848
5.104		350449	287826
5.136		92611	59447
5.158		4219427	3430403
5.199		71081	46617
5.231		185626	151119
5.35		44917	29084
5.373		840763	704510
5.418		2462430	2887172
5.574		142121	124212
5.619		43103	29974
5.642		131128	106423
5.691		426807	399435
5.798		834921	697369
5.83		34103	21125
5.998		288202	286849
6.157	DCB	6285492	6024228
6.608		4222	3590
8.292		8553	14160

AR1641724B ZSAR164ZS CCAL 1725999999 10736 SW-846 808

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250008.0048.RAW



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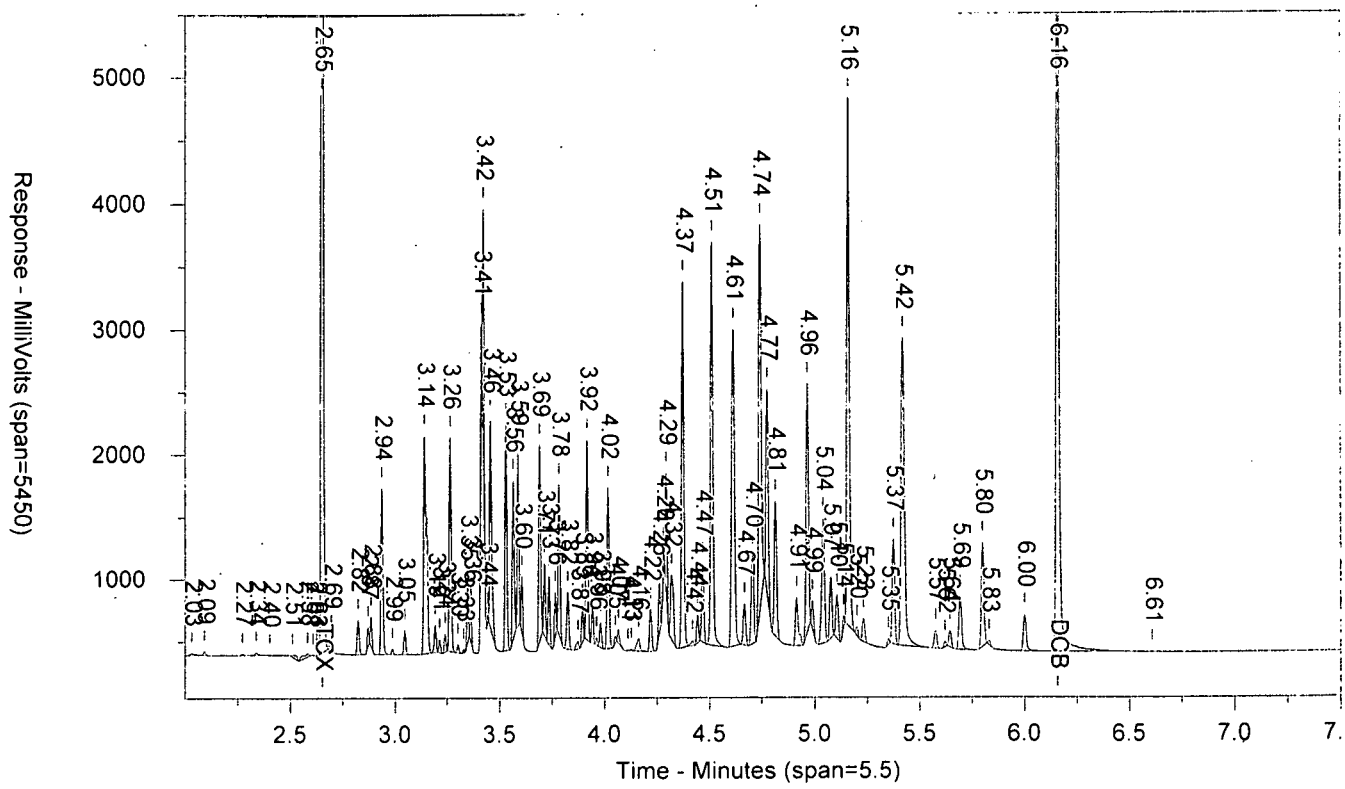

LANCASTER LABORATORIES

Sample Number: AR1641724B ZSAR164ZS CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 1:34:42 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound E
2.999	15290510	40.397	TCX	2.652	16381520	42.153	TCX
6.68	5309724	39.337	DCB	6.157	6285492	39.456	DCB

Files:
Area File: 07pcbs17250008.0048.RAW
Area File: 07pcbs17250008B.0048.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 1:43:30 AM
File Reported On: 9/18/2017 at 1:43:41 AM

AR1641724B ZSAR164ZS CCAL 1725999999 10736 SW-846 808

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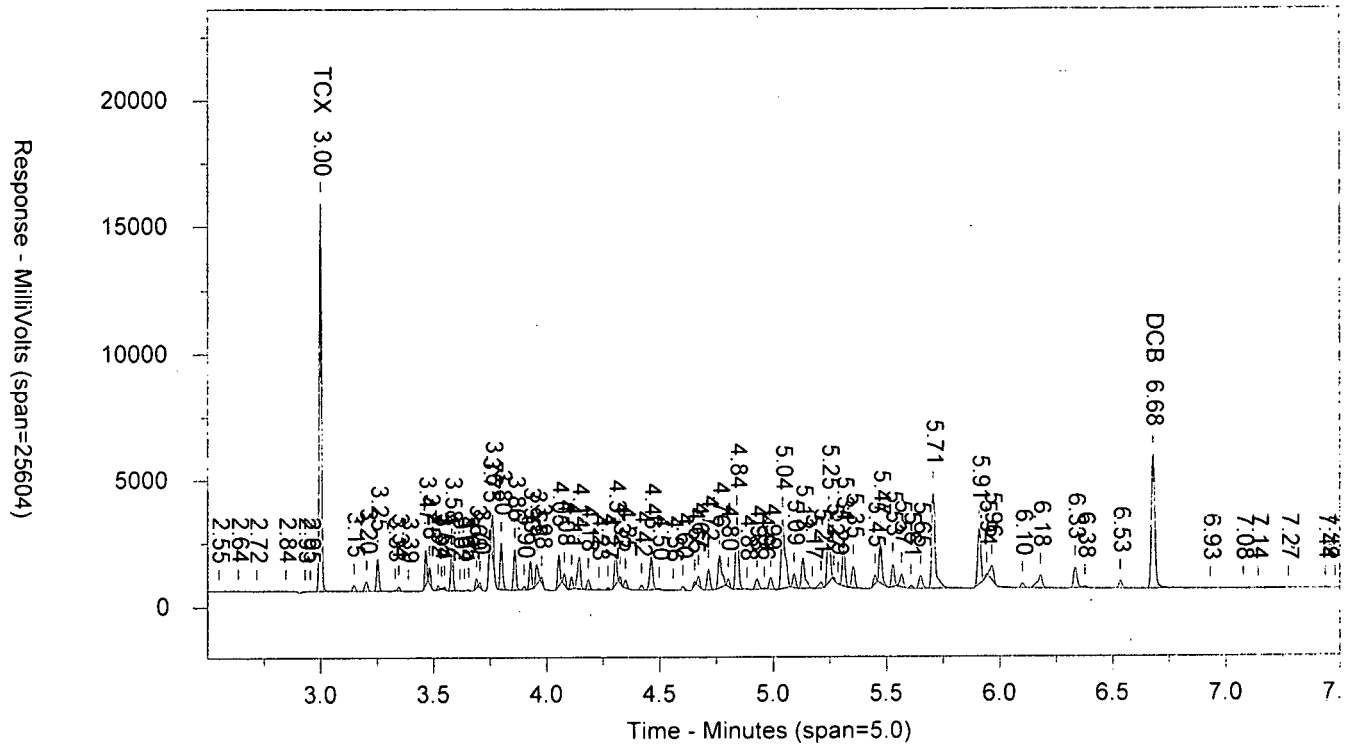

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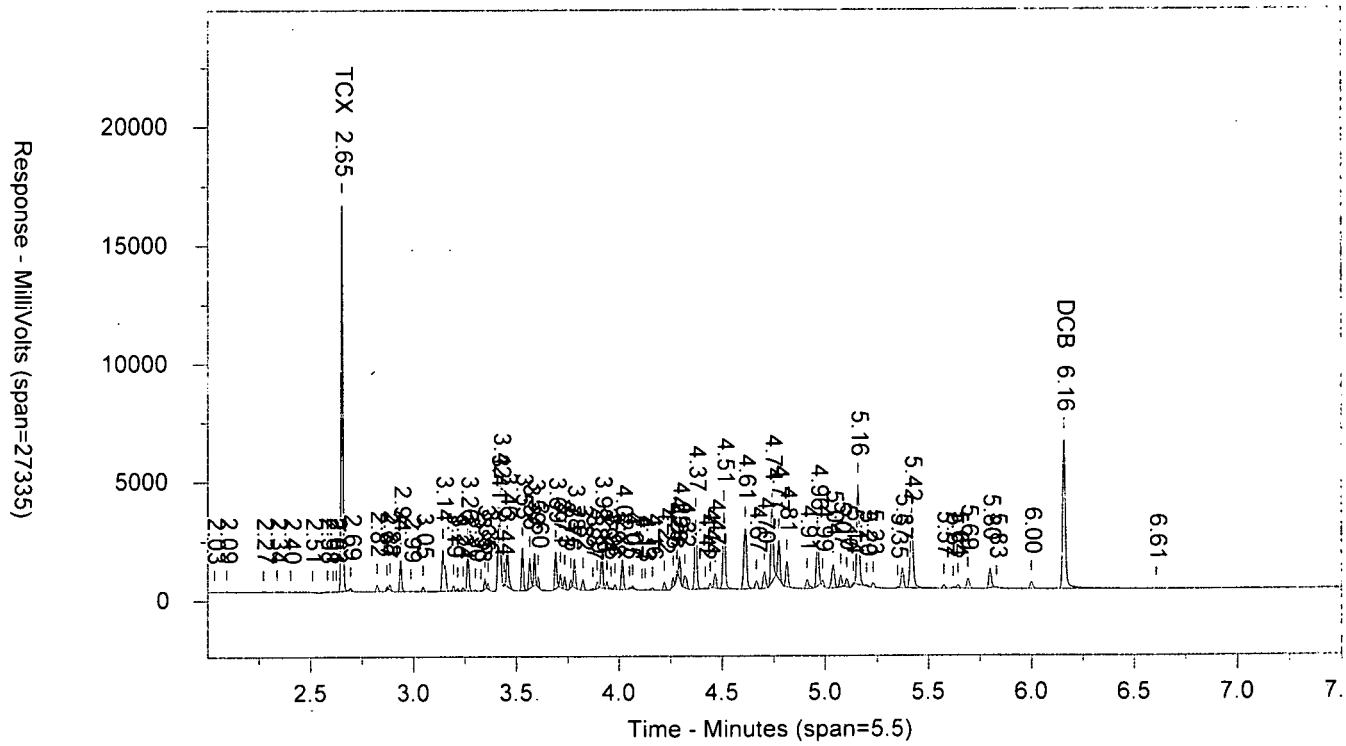

AR1641724B ZSAR164ZS CCAL 1725999999 10736 SW-846 808

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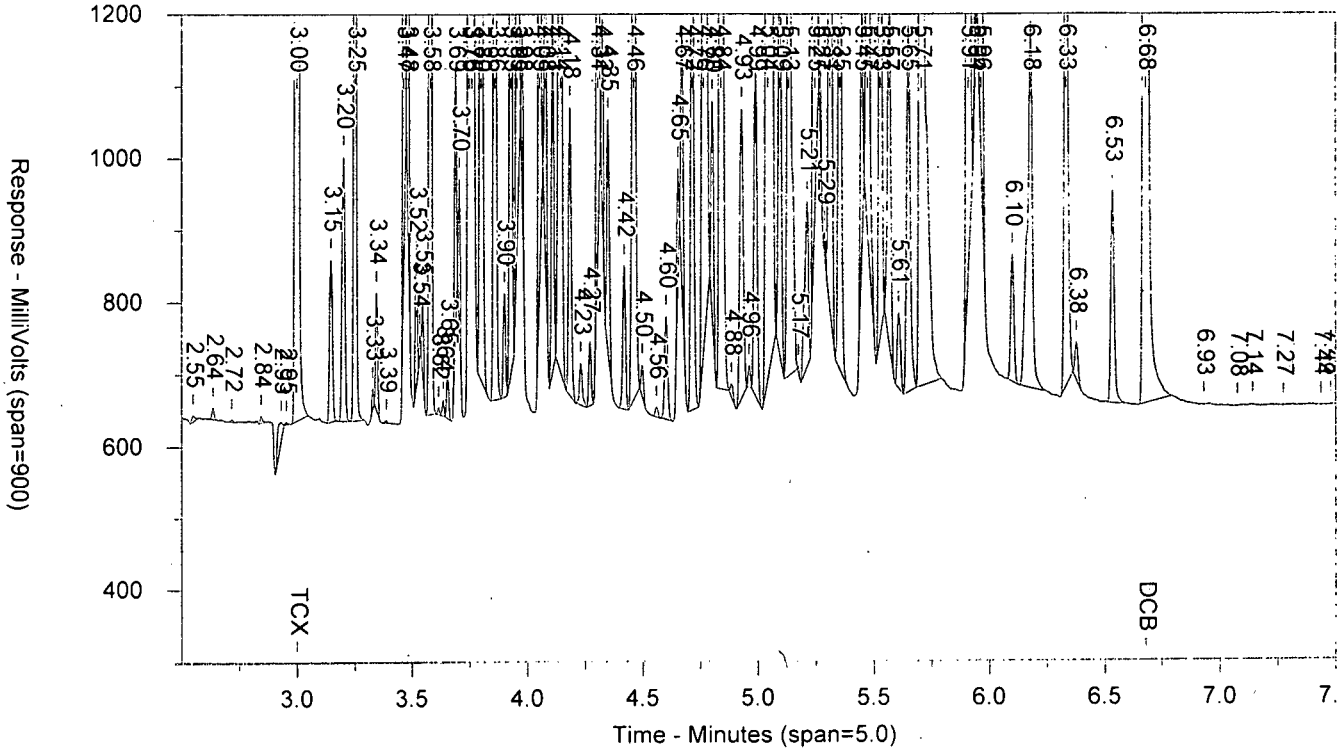

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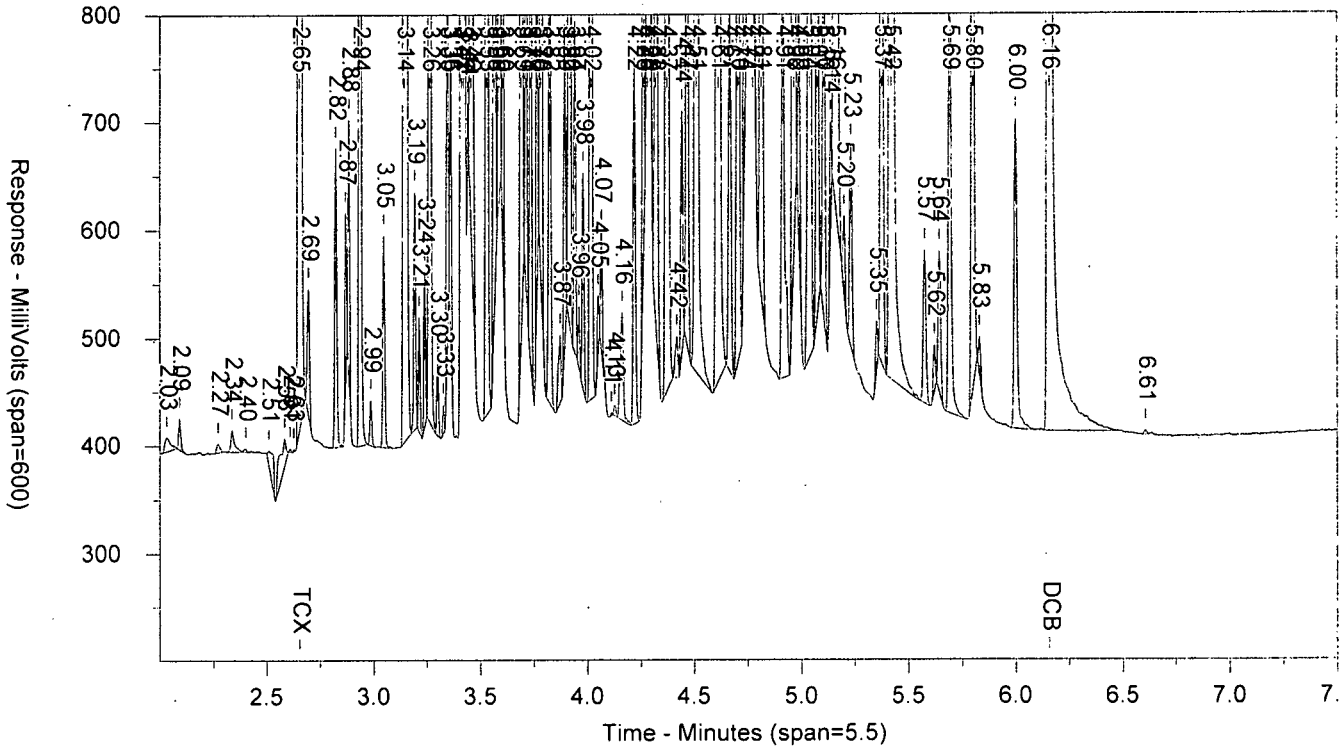

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ACPIBLKAC PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 1:46:04 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0049.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.636		13253	15864
1.666		5179	13009
2.111		19184	30179
2.148		15118	19106
2.224		18395	20584
2.294		38155	28822
2.39		21522	13640
2.402		14309	9252
2.432		8127	8012
2.551		10274	9845
2.63		1798	788
2.824		2891	1826
2.844		14939	17426
2.888		25979	33625
2.931		16650	33915
2.958		4542	5114
2.999	TCX	7505074	4863550
3.196		112456	72073
3.327		30464	30494
3.546		2420	1662
3.658		3899	3289
3.735		4417	3572
3.791		3378	2988
3.843		2207	1076
3.87		1505	758
3.897		770	174
3.921		1461	1093
3.994		3510	4159
4.112		1246	448
4.191		826	683
4.247		11835	10578
4.282		3094	5503
4.327		5978	6116
4.359		4532	3798
4.411		1486	2661
4.471		1407	779
4.681		1233	2439
4.87		1531	800
4.964		5065	4434
5.038		1961	2343
5.206		9347	7957
5.39		2029	2155
5.413		1198	755
5.45		1639	823
5.466		2191	1262
5.504		1435	1003
5.608		7230	6622
5.73		27252	31424
5.774		1627	1326
5.815		2025	2637
5.854		572	1297
5.912		3279	3461
5.956		1353	909

RT A	Compound A	Height A	Area A
6.015		2220	1808
6.051		1266	625
6.099		70104	69226
6.162		80344	89978
6.293		1546	1406
6.328		2612	2464
6.375		2166	833
6.398		1783	495
6.532		45106	43982
6.677	DCB	2622445	2762480
6.78		1788	380
6.873		1533	848
7.241		1675	1095
7.292		1115	600
7.353		1529	665
7.511		1402	333
7.563		903	342
8.075		1176	367
8.143		1819	622
8.185		1701	524
8.357		1374	404
8.423		2201	793
8.486		1685	353

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ACPIBLKAC PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 1:46:04 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0049.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.657		5041	41888
1.732		25254	45973
1.763		32419	69562
1.833		25818	64443
1.864		8264	7144
1.965		43832	41531
2.028		13718	19988
2.092		14461	10564
2.208		2034	1054
2.27		11696	13410
2.352		6579	11639
2.397		6305	4354
2.427		4701	7225
2.462		2771	1958
2.51		9685	24603
2.557		13448	16644
2.582		18085	13852
2.652	TCX	8166463	4902058
2.736		4336	4735
2.811		4203	5234
2.869		115659	71145
2.907		3122	2714
2.986		22465	15486
3.075		2301	2016
3.109		3005	1905
3.16		4885	9073
3.219		2587	1913
3.328		5030	2582
3.362		5745	4630
3.389		3127	1699
3.467		1667	1073
3.485		2539	1748
3.598		2797	4063
3.753		3989	6067
3.907		1631	1393
3.977		14134	12798
4.063		12979	11500
4.112		5640	7346
4.272		3299	8152
4.407		2164	2539
4.449		1843	2324
4.485		4844	3393
4.611		2026	2354
4.686		2174	1346
4.713		10524	7900
4.738		2491	2188
4.887		2188	2476
5.033		2576	2479
5.108		7938	6360
5.155		2571	1891
5.23		27376	22137
5.272		4032	3527
5.573		58635	50860
5.642		62528	54563

5.691		8476	7184
5.997		43435	39103
6.156	DCB	3000398	2819489
6.605		1657	1374
8.287		8616	15776

IBLKX1724B ACPIBLKAC PIBLK1725999999 10736 SW-846 8082

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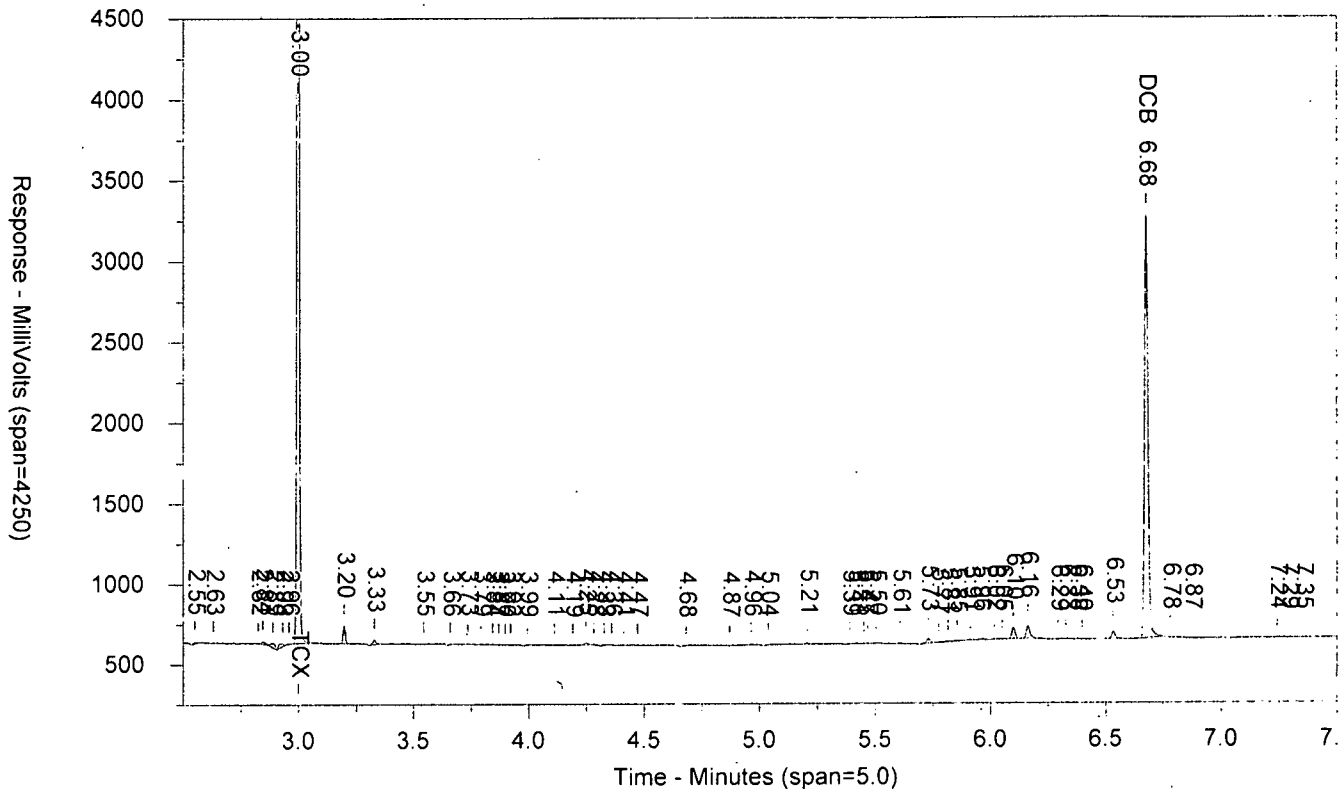

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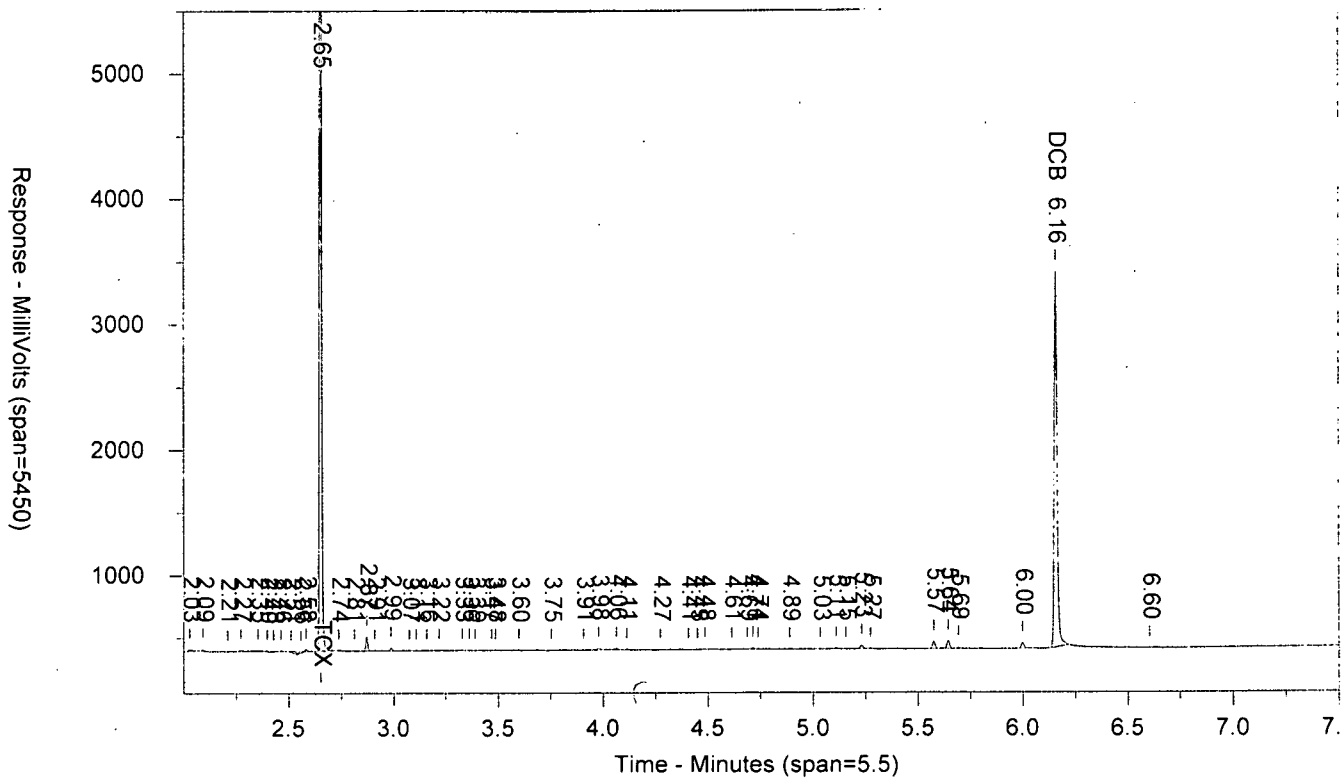

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ACPIBLKAC PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 1:46:04 AM Sample Weight: 1000
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	7505074	.198	TCX	2.652	8166463	.21	TCX
6.677	2622445	.194	DCB	6.156	3000398	.188	DCB

Files:
Area File: 07pcbs17250008.0049.RAW
Area File: 07pcbs17250008B.0049.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 1:54:49 AM
File Reported On: 9/18/2017 at 1:54:57 AM

IBLKX1724B ACPIBLKAC PIBLK1725999999 10736 SW-846 8082

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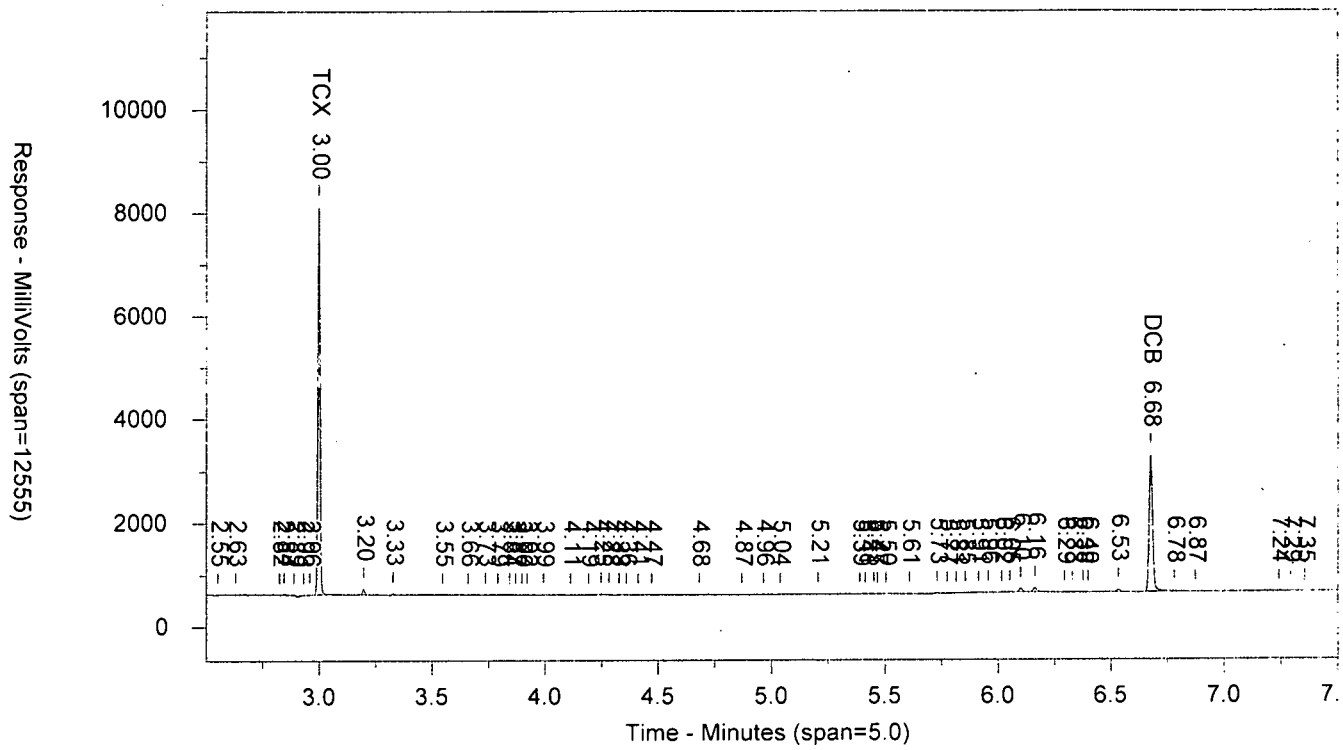

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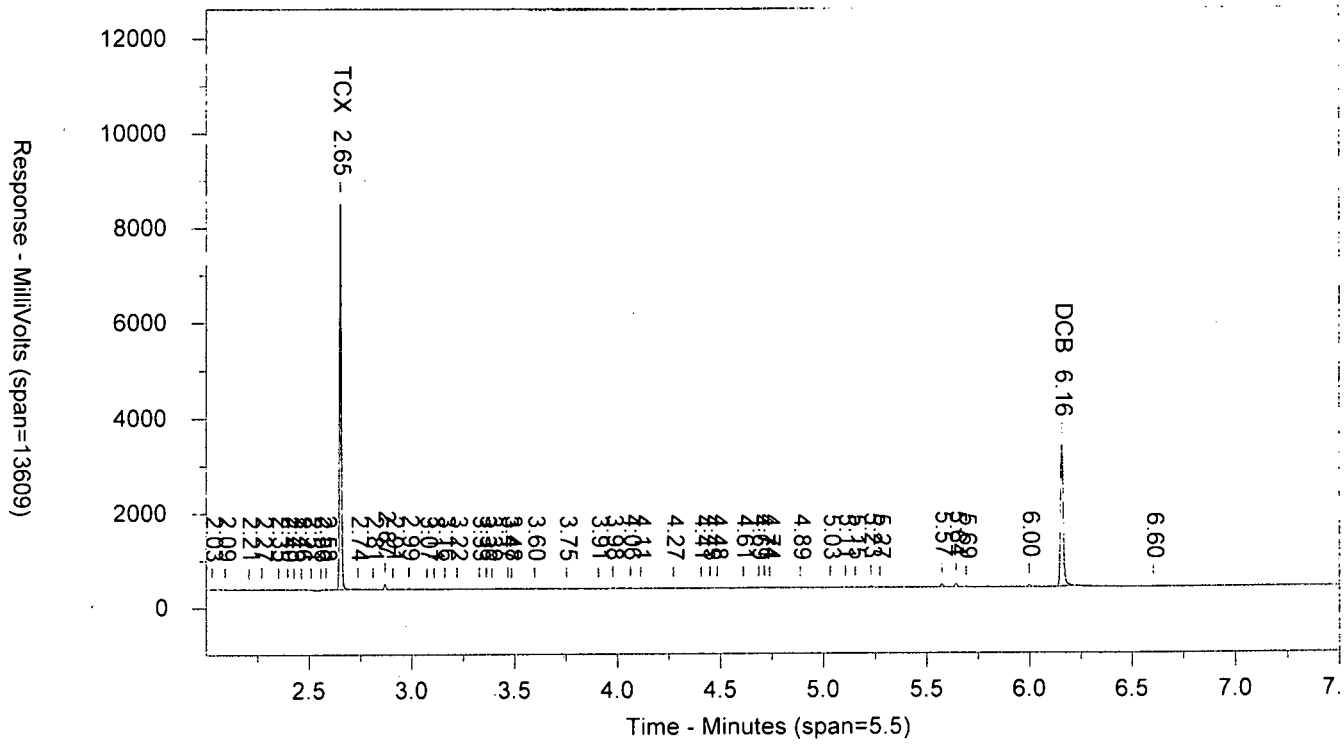

IBLKX1724B ACPIBLKAC PIBLK1725999999 10736 SW-846 8082

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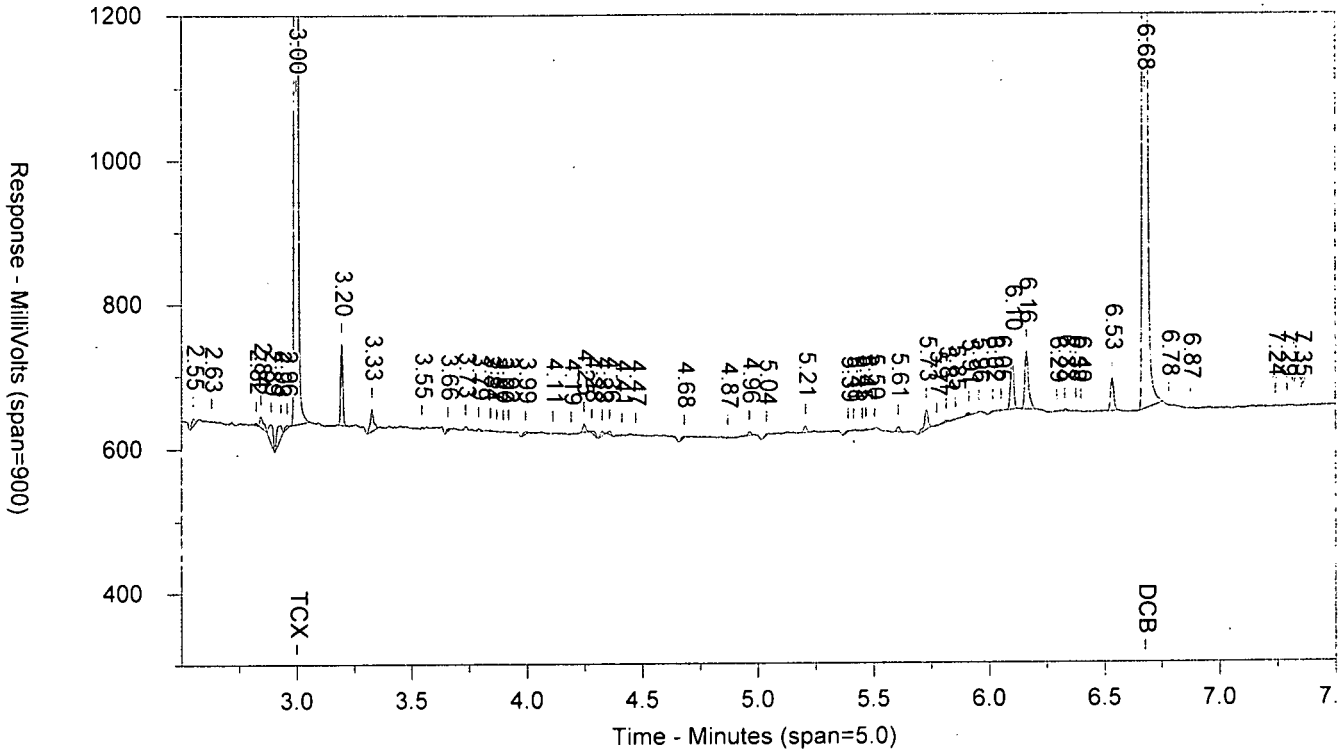

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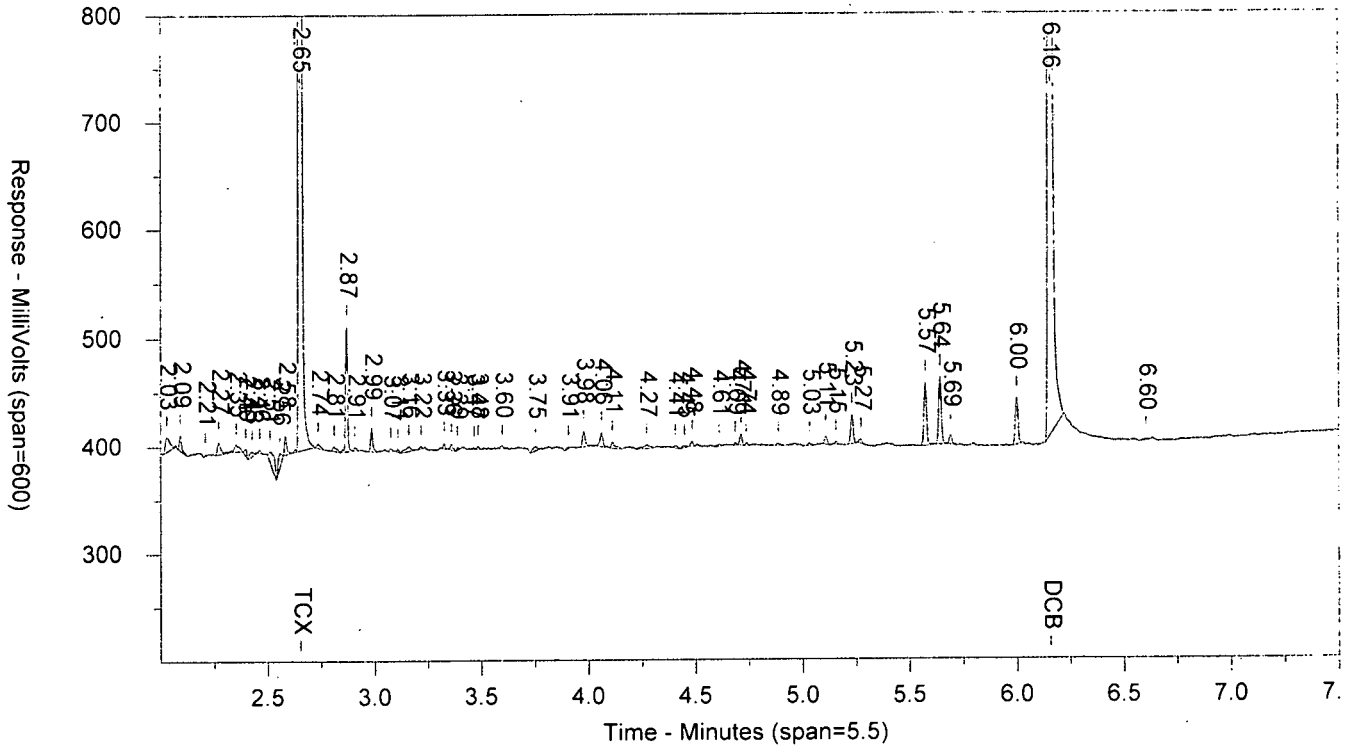

LANCASTER LABORATORIES

Sample Number: AR1641724B ZTAR164ZT CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 5:46:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0070.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.631		8755	7937
1.964		2071	1743
2.112		14383	36102
2.149		34328	99972
2.295		76842	56569
2.391		46083	31560
2.404		31008	19207
2.434		9247	10856
2.55		11705	12696
2.577		7838	8608
2.635		15887	10124
2.67		4274	2800
2.758		2636	1641
2.844		51788	49113
2.931		16668	30282
2.952		4960	3091
2.999	TCX	15906930	9990559
3.098		4948	2507
3.147		229357	196325
3.202		367036	323209
3.251		1278682	879851
3.328		28651	14211
3.344		167536	99983
3.383		4194	2970
3.466		1309682	806418
3.482		685367	364466
3.519		172423	101493
3.535		31974	12431
3.547		92805	47543
3.58		1612586	1162865
3.615		8886	4448
3.635		20618	11840
3.655		68443	43295
3.689		374911	215222
3.704		195768	97988
3.749		881815	486232
3.76		1704402	808970
3.799		1804510	1397419
3.859		1569724	1203577
3.9		140428	97921
3.928		1088781	815574
3.955		793358	662085
3.977		249738	134180
4.054		1214318	881287
4.078		453642	301877
4.11		519056	361947
4.144		1269151	1222137
4.185		404323	332930
4.231		60300	50930
4.271		88432	64553
4.306		1185761	864503
4.325		274457	151795
4.349		358569	270513

RT A	Compound A	Height A	Area A
4.419		204055	171186
4.462		1319243	1219566
4.497		58705	42361
4.534		2595	1208
4.559		16272	13314
4.601		153067	148634
4.654		164243	105822
4.671		369401	251893
4.715		848394	736221
4.764		1259519	1406461
4.801		296591	216155
4.841		2784976	2574347
4.886		25843	19843
4.928		430103	452837
4.961		32893	21731
4.988		441854	427923
5.041		2795451	3431796
5.093		553646	510543
5.132		1230380	1322717
5.173		9774	4404
5.211		230787	272524
5.245		2578792	2316869
5.267		85215	45387
5.286		34379	14850
5.311		1380268	1268923
5.353		872281	816616
5.447		349003	279820
5.472		1606993	1409715
5.528		905533	810898
5.567		512580	508256
5.608		102735	102078
5.65		507401	555532
5.706		3731593	4051915
5.91		2257495	2170349
5.941		78019	56057
5.965		571210	660480
6.1		181013	180331
6.179		507637	782656
6.332		852480	866198
6.378		49331	42810
6.533		285553	304112
6.626		1584	542
6.679	DCB	5095012	5474990
7.07		1102	640
7.186		1335	383
7.228		1774	455
7.287		1923	909
7.433		1434	532
7.502		1593	992
7.719		2240	579
7.789		1322	416
7.834		1399	381
7.941		1301	428
7.962		1423	477
8.033		1270	475
8.324		1462	540
8.4		2326	698
8.417		1321	673

LANCASTER LABORATORIES

Sample Number: AR1641724B ZTAR164ZT CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 5:46:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0070.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.555		2350	1669
1.657		3338	2394
1.762		5227	3728
1.865		4227	3887
1.965		87983	90456
2.031		19361	33792
2.072		7025	5888
2.091		28244	18515
2.171		5166	6777
2.27		12219	11797
2.336		19711	16958
2.367		3801	2176
2.464		5621	5908
2.558		15029	17862
2.582		67449	48120
2.626		2836	1460
2.652	TCX	16564400	9914508
2.695		121329	86433
2.735		4715	5675
2.822		280879	189435
2.869		146291	70336
2.883		242472	123368
2.935		1364057	860530
2.986		41914	27771
3.046		192875	121820
3.076		3385	2746
3.142		1769401	1723572
3.193		216474	134633
3.215		105196	58683
3.24		147272	83008
3.264		1685416	1128847
3.3		65953	38631
3.328		22973	10344
3.347		420351	226718
3.362		241105	119173
3.387		3788	1444
3.412		825716	408554
3.422		1795231	780675
3.441		73206	24723
3.455		1648199	1124947
3.529		1816306	1136164
3.564		1251632	787954
3.587		1349614	748491
3.605		438144	221445
3.69		1556544	1016206
3.713		603366	320690
3.734		542264	328244
3.764		361192	193665
3.782		1197696	754363
3.824		454593	326808
3.872		62561	57990
3.894		296401	178072
3.915		1620059	1063391
3.941		322531	193848

3.96		61828	29309
3.98		205747	126151
4.015		1280183	901712
4.05		70563	40005
4.065		108119	64597
4.112		2925	1525
4.127		12347	8066
4.161		107546	111436
4.218		346555	247105
4.261		393442	234908
4.28		237604	133134
4.292		933780	517927
4.318		524456	533032
4.371		2953458	2175871
4.417		43242	36830
4.441		249487	166575
4.466		621939	452684
4.509		3215691	2544711
4.612		2551517	2526780
4.666		354472	280678
4.704		727899	619888
4.741		3092972	2548412
4.773		1547691	1139043
4.812		1133098	860553
4.912		393792	377961
4.963		2027212	1569906
4.987		233124	148156
5.037		1031935	929753
5.073		494081	393390
5.103		357125	292149
5.136		113166	65618
5.158		4096495	3421455
5.198		70640	49796
5.23		197126	158601
5.349		47190	29117
5.373		836418	697177
5.417		2520641	2858883
5.574		150727	129550
5.618		43387	30003
5.642		139415	109902
5.69		431369	398701
5.798		780162	696709
5.829		33930	22160
5.998		279719	284400
6.157	DCB	6097177	5948558
6.606		3736	3754
6.639		2333	2254
8.294		9359	17749

AR1641724B ZTAR164ZT CCAL 1725999999 10736 SW-846 8082

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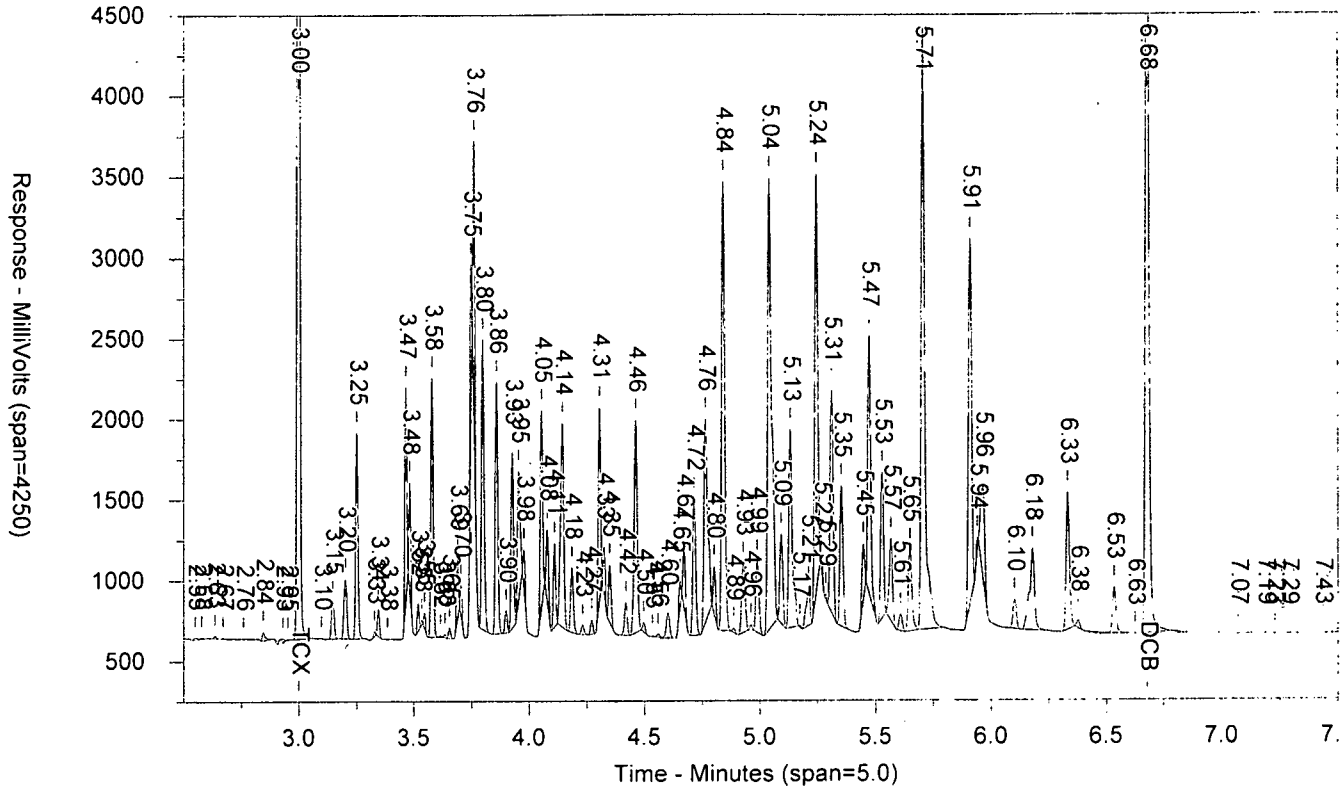

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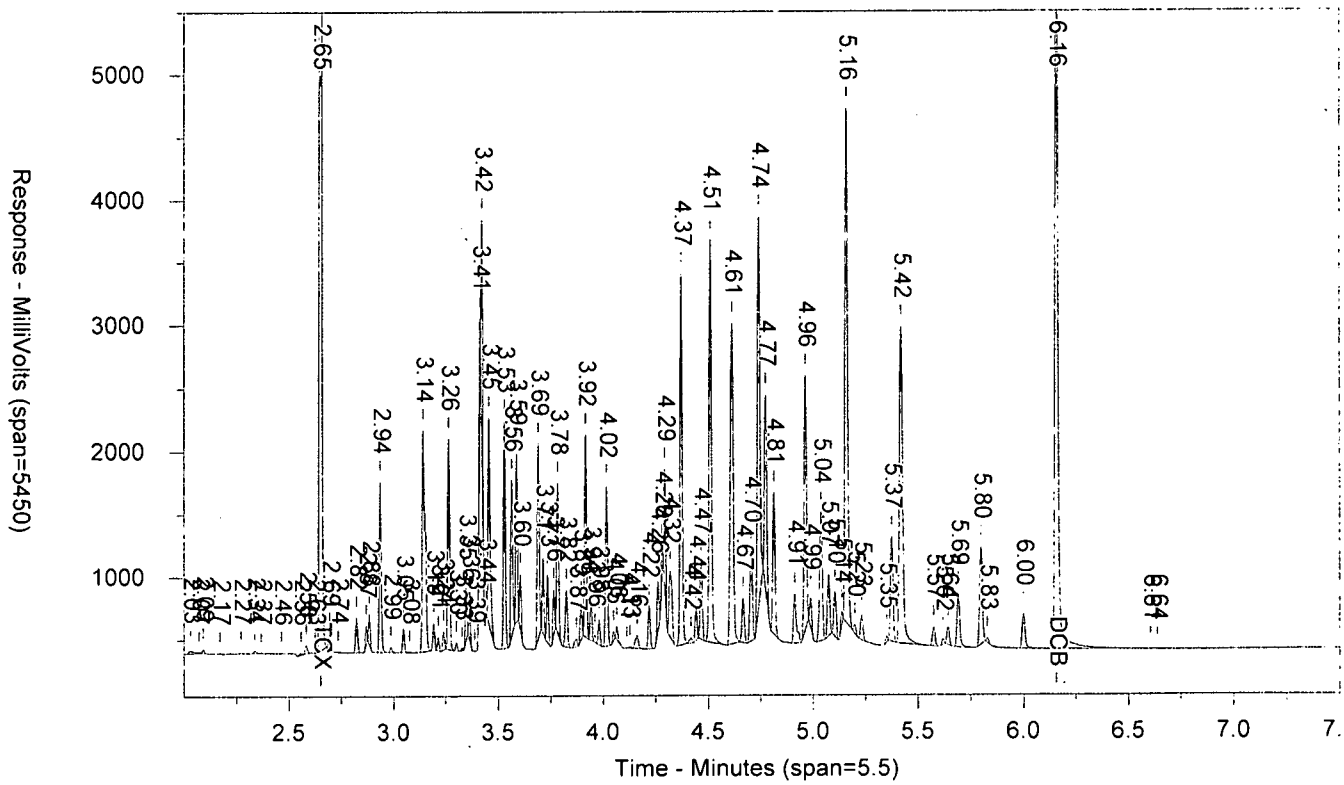

LANCASTER LABORATORIES

Sample Number: AR1641724B ZTAR164ZT CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 5:46:17 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	15906930	42.026	TCX	2.652	16564400	42.623	TCX
6.679	5095012	37.747	DCB	6.157	6097177	38.274	DCB

Files:
Area File: 07pcbs17250008.0070.RAW
Area File: 07pcbs17250008B.0070.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 9:55:15 AM
File Reported On: 9/18/2017 at 9:59:36 AM

AR1641724B ZTAR164ZT CCAL 1725999999 10736 SW-846 8082

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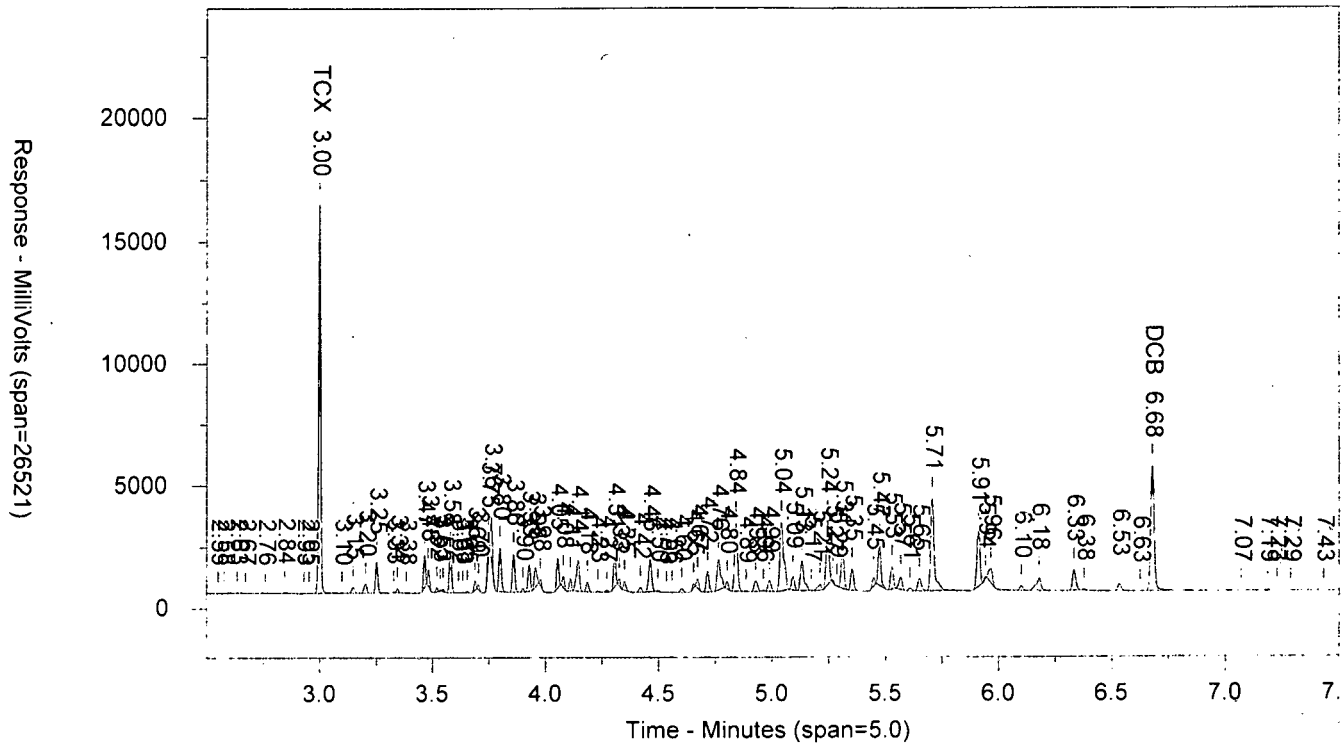

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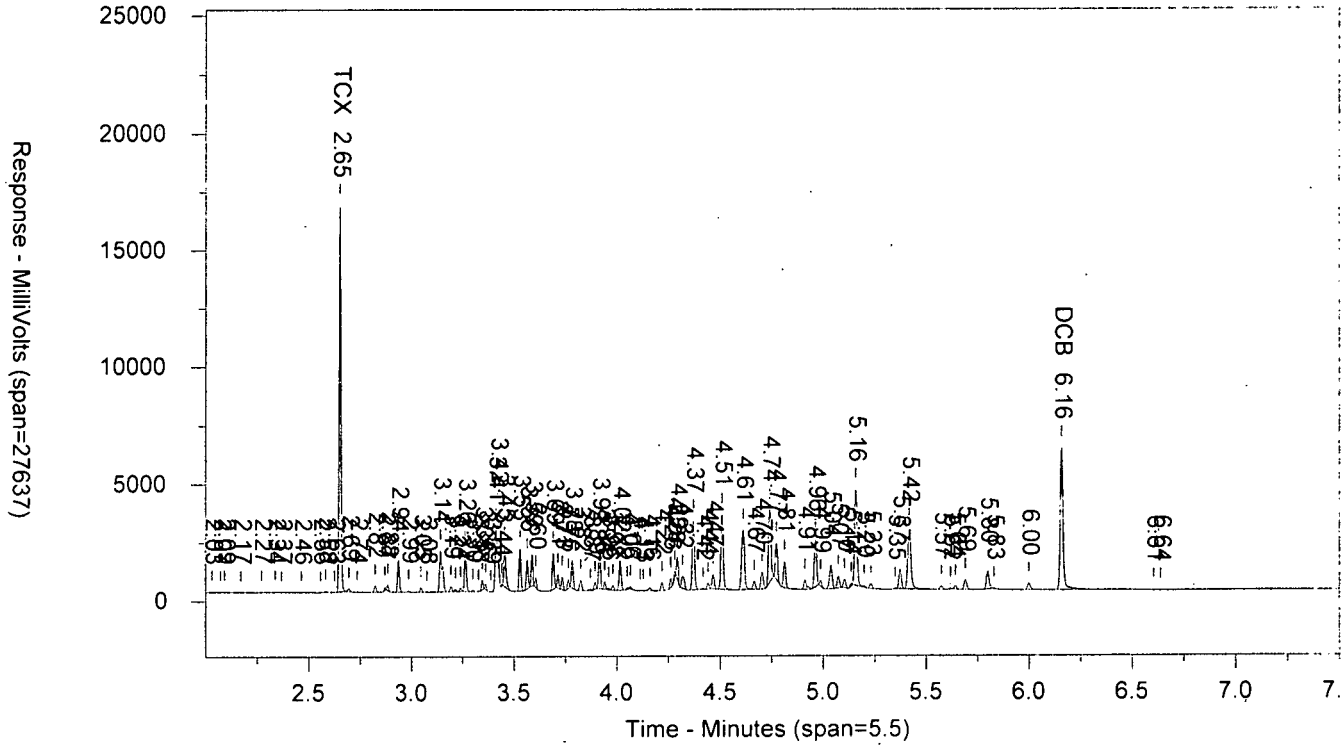

AR1641724B ZTAR164ZT CCAL 1725999999 10736 SW-846 8082

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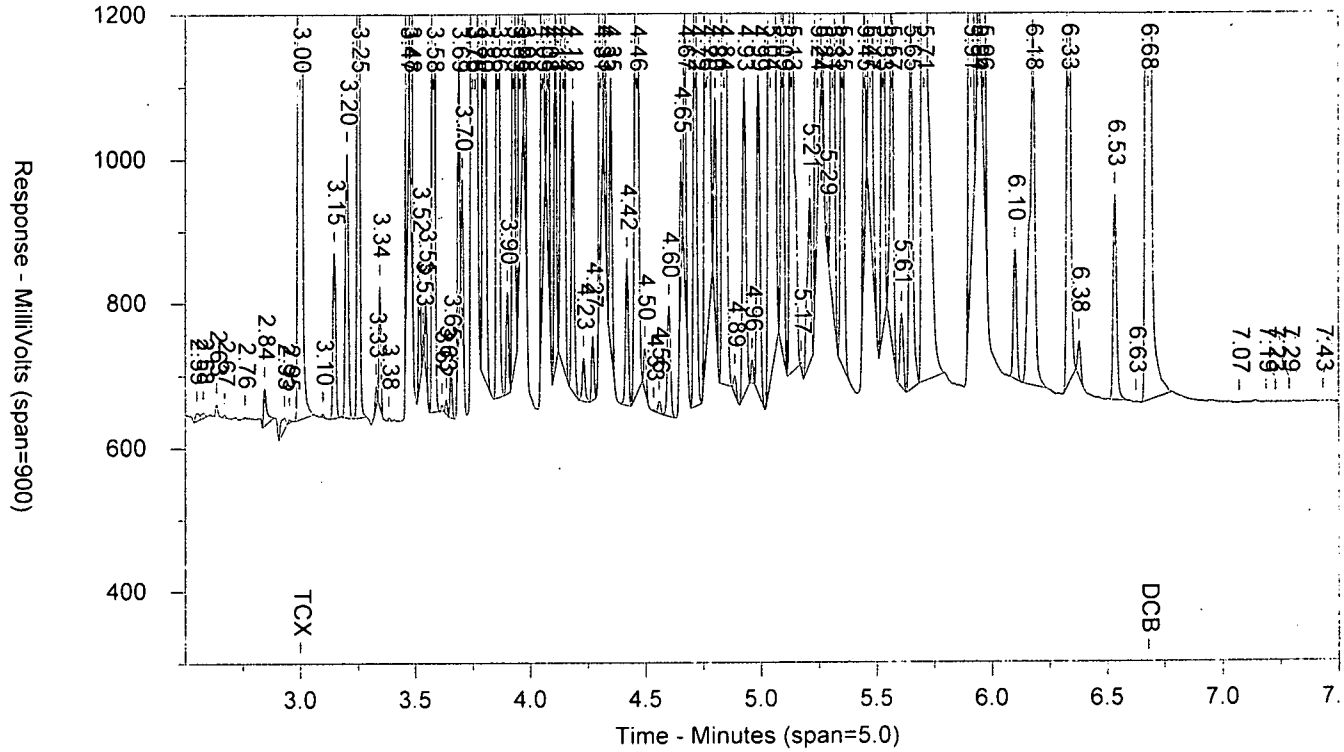

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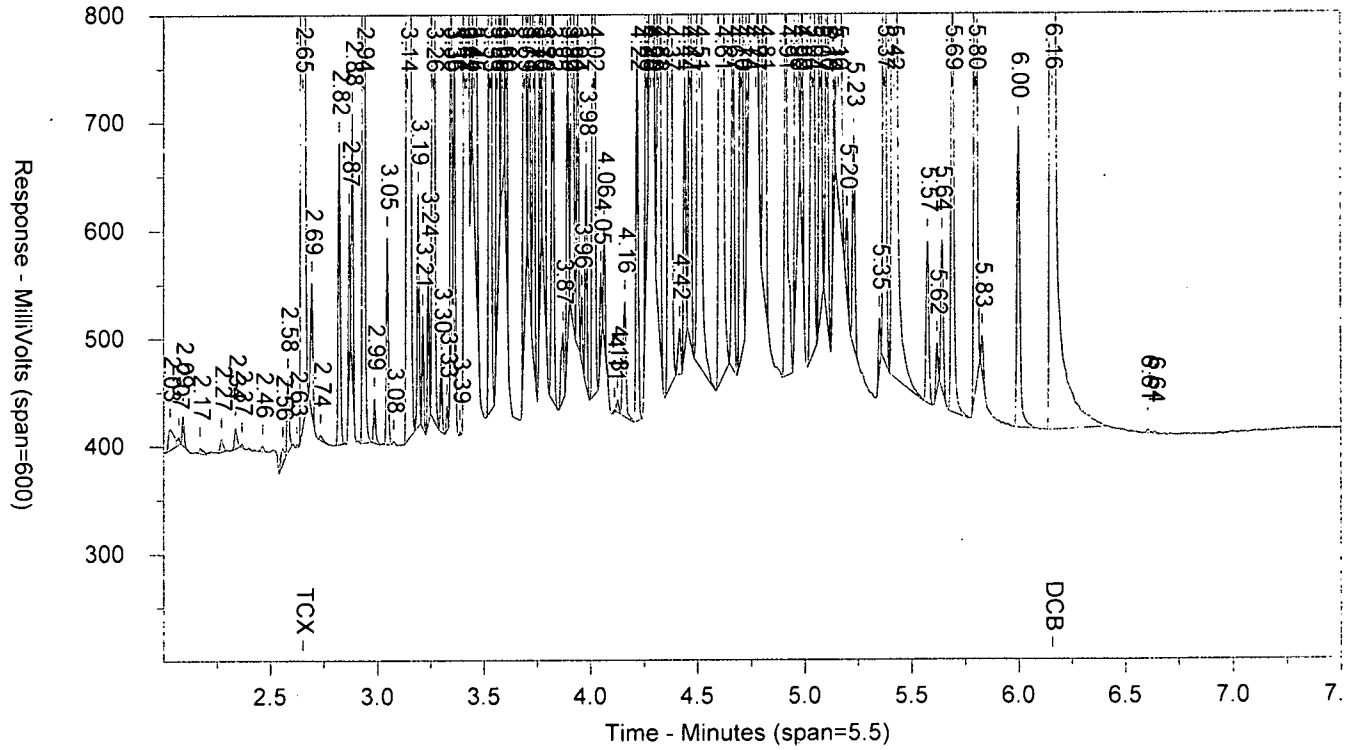

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ADPIBLKAD PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 5:57:43 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0071.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.671		4844	26915
2.112		14506	34065
2.148		28336	51122
2.217		6521	7567
2.295		39091	25579
2.391		25658	13870
2.433		8257	6023
2.552		8828	9140
2.717		2637	1857
2.844		24032	16586
2.929		33171	58752
2.953		5482	5503
2.999	TCX	7904109	4965437
3.133		2712	1758
3.197		119962	75563
3.256		2261	1247
3.328		27071	22529
3.362		1594	704
3.454		1862	1359
3.637		8742	4593
3.667		3231	4944
3.736		4458	3733
3.797		4244	3704
3.846		2261	789
3.858		1578	423
3.873		1840	415
3.88		917	210
3.889		950	207
3.897		644	145
3.919		676	158
3.926		2048	1284
3.954		3626	3182
3.992		2655	2394
4.051		1473	606
4.18		1058	503
4.248		10731	10979
4.327		5765	4954
4.356		6662	7608
4.46		2971	3860
4.559		1420	702
4.597		1905	2193
4.677		2259	1525
4.715		3445	2161
4.84		2950	2299
4.885		1825	849
4.931		4605	4065
4.946		1888	341
4.965		4616	4089
5.042		6086	7587
5.131		1674	1606
5.204		9948	9929
5.243		3626	2894
5.393		2290	3233

RT A	Compound A	Height A	Area A
5.421		1417	834
5.609		8880	8053
5.73		31690	39283
5.786		1451	777
5.861		1583	814
5.908		4695	4240
5.965		5531	10497
6.019		2186	2491
6.037		1506	937
6.101		79646	77154
6.163		89110	98882
6.249		1672	947
6.333		2317	1339
6.417		1888	447
6.506		1411	598
6.533		46543	49983
6.598		1503	486
6.623		1326	259
6.68	DCB	2486708	2729103
7.01		1162	406
7.065		1860	1600
7.138		1666	1286
7.297		1794	974
7.353		1791	628
7.438		1623	631
7.526		1186	367
7.536		2217	926
7.556		1959	665
7.95		1405	807
8.089		1454	405
8.104		1651	493
8.191		1392	706
8.445		2070	391
8.494		1222	805
8.616		889	312

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ADPIBLKAD PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 5:57:43 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0071.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.658		1607	1413
1.763		4086	7889
1.831		1914	4356
1.964		47636	52037
2.031		15928	31519
2.091		14805	11065
2.152		1530	1770
2.172		2413	3919
2.209		1664	1043
2.271		10208	10612
2.345		5862	9033
2.509		17226	45781
2.566		9113	25671
2.582		37702	29130
2.626		2554	1343
2.652	TCX	8243964	5011819
2.816		2423	2809
2.869		118420	71932
2.986		20753	13059
3.152		2818	4048
3.218		2257	1058
3.328		12347	7936
3.361		6302	4973
3.42		4998	8845
3.485		2292	1437
3.593		4471	7922
3.649		1543	1430
3.781		2995	13015
3.915		3405	3675
3.978		13183	11673
4.063		12198	12561
4.115		5128	6464
4.278		5936	11901
4.372		3730	2683
4.443		4883	4050
4.485		5200	3829
4.508		4492	5042
4.612		3757	4751
4.659		2662	2179
4.713		11853	8345
4.74		5404	4759
4.964		3184	2631
5.034		3101	3415
5.109		8923	6804
5.157		4320	4555
5.231		29802	24770
5.269		4229	4207
5.371		2157	2265
5.422		5220	5744
5.574		60443	52052
5.643		67842	61599
5.69		10466	10309
5.998		46379	45675
6.157	DCB	2942234	2867554

6.612	1790	1307
7.418	1445	1097
8.293	8857	15553

IBLKX1724B ADPIBLKAD PIBLK1725999999 10736 SW-846 8082

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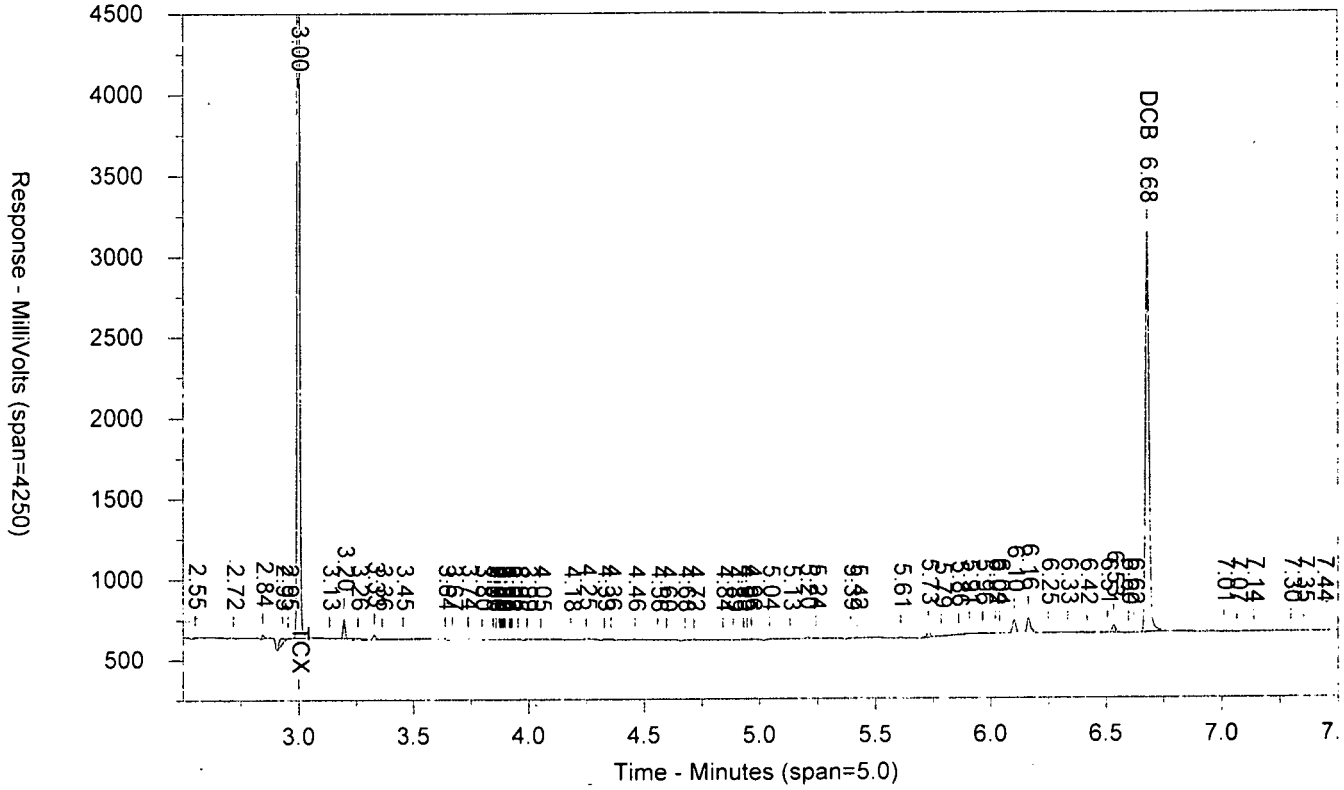

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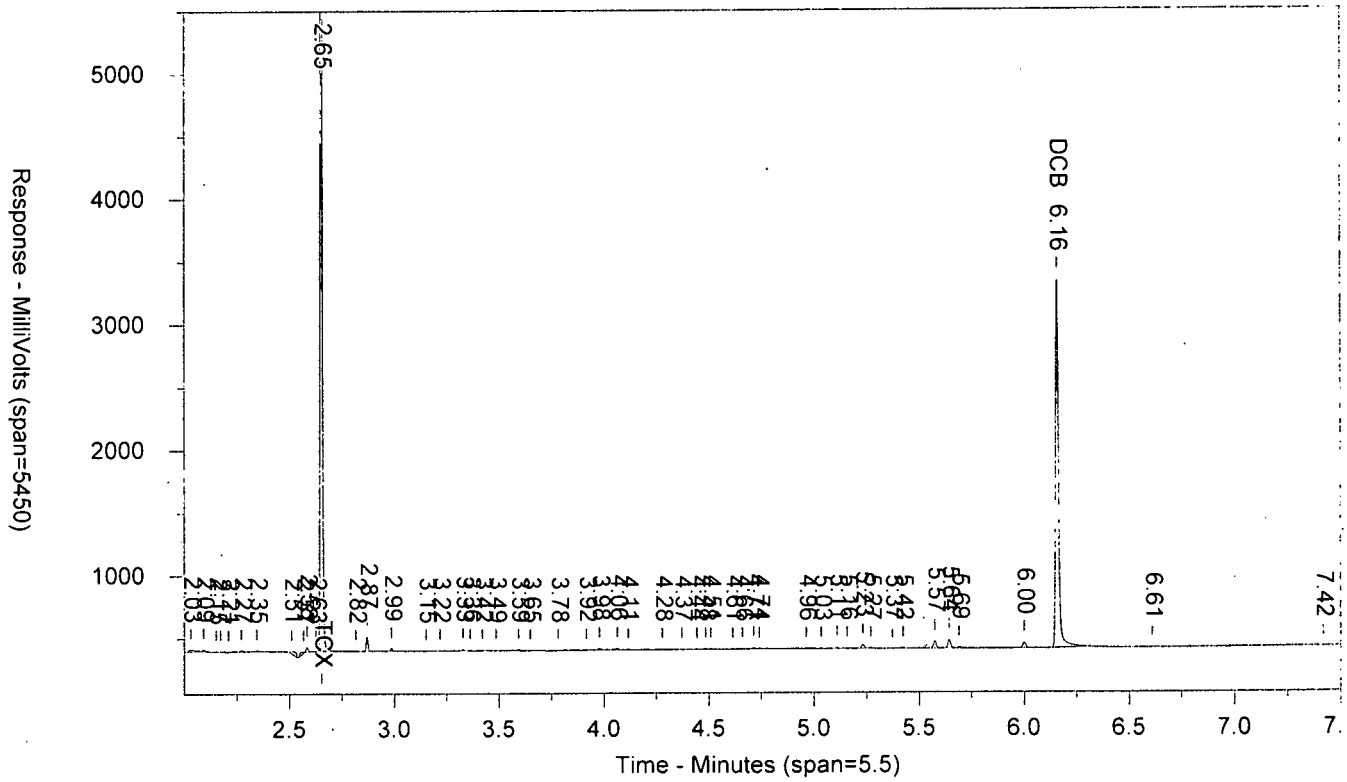

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ADPIBLKAD PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 5:57:43 AM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	7904109	.209	TCX	2.652	8243964	.212	TCX
6.68	2486708	.184	DCB	6.157	2942234	.185	DCB

Files:
Area File: 07pcbs17250008.0071.RAW
Area File: 07pcbs17250008B.0071.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 9:55:15 AM
File Reported On: 9/18/2017 at 9:59:50 AM

IBLKX1724B ADPIBLKAD PIBLK1725999999 10736 SW-846 8082

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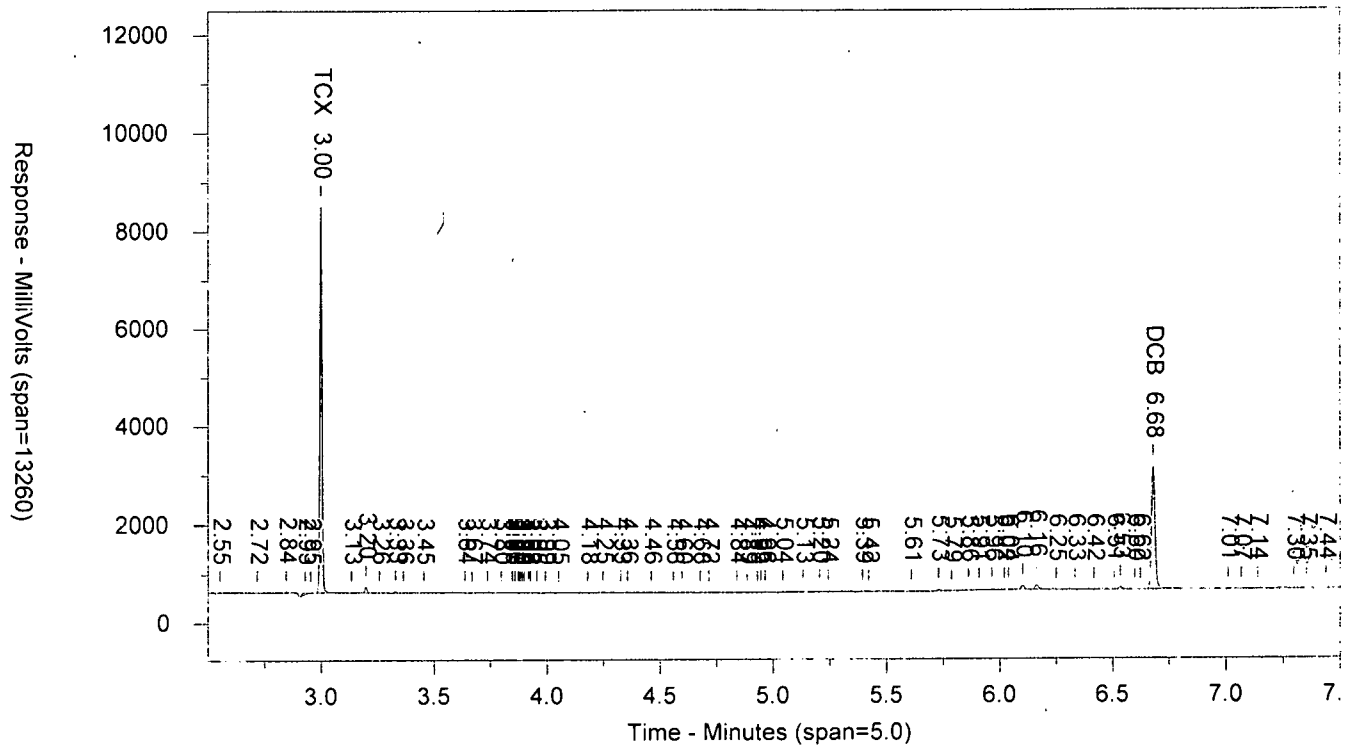

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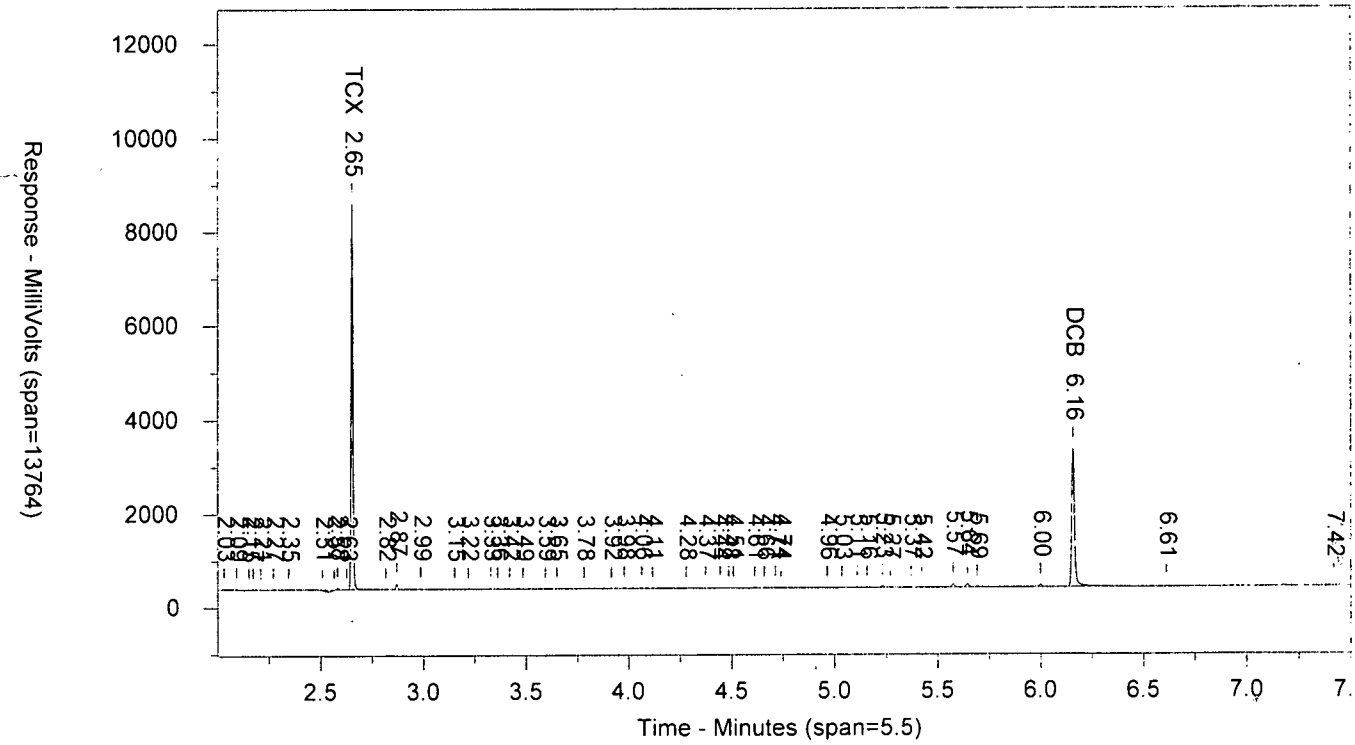

IBLKX1724B ADPIBLKAD PIBLK1725999999 10736 SW-846 8082

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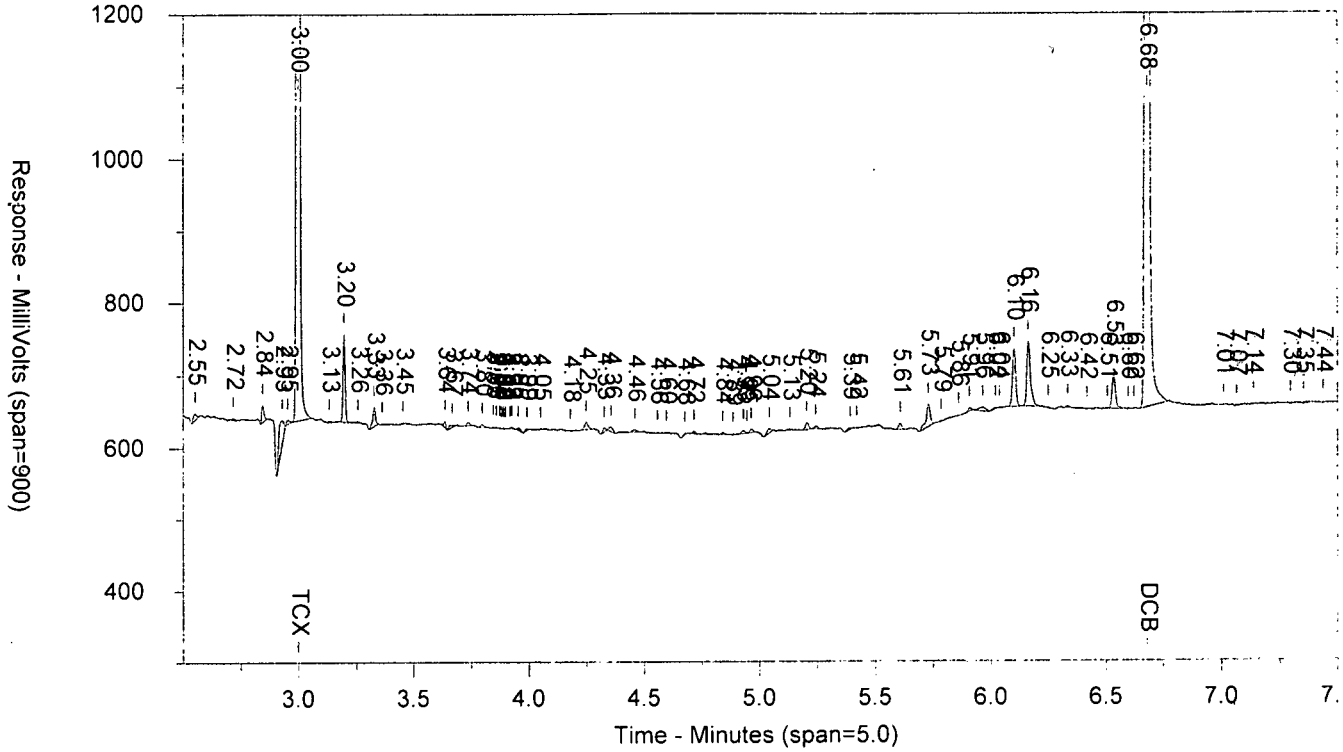

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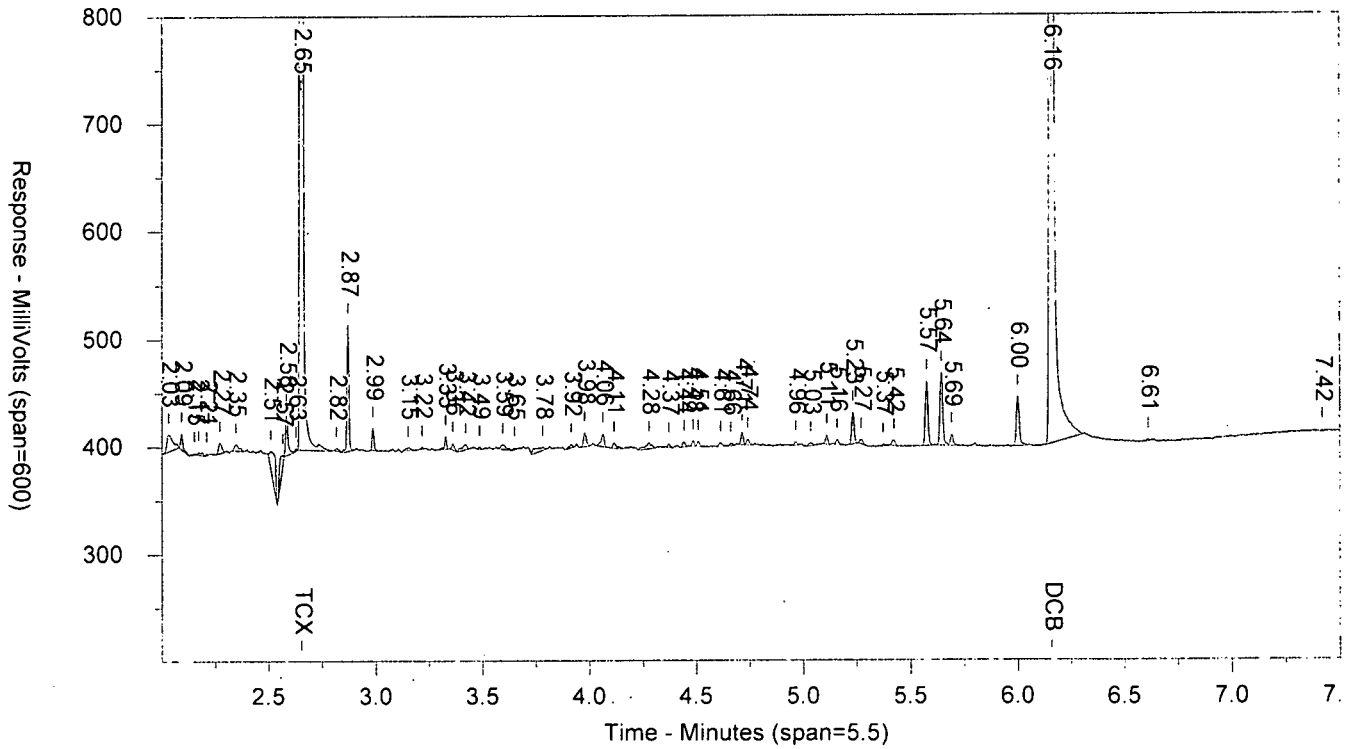

LANCASTER LABORATORIES

Sample Number: AR1641724B ZCAR164ZC CCAL 1725799999 10736 SW-846 8082
Injected On: 9/15/2017 1:40:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.636		4642	6296
2.031		2543	2555
2.106		11831	19714
2.148		44869	104297
2.216		7346	5559
2.294		74544	51975
2.39		20255	12249
2.403		29177	20087
2.433		7599	8705
2.497		3552	3354
2.549		8221	7345
2.635		17687	13166
2.718		3474	2444
2.843		127622	163219
2.919		4728	4590
2.956		3146	2979
2.999	TCX	15259150	9770122
3.147		250654	213377
3.202		357448	321406
3.251		1286199	879362
3.328		25409	12538
3.344		161516	101512
3.386		4643	2584
3.466		1342155	796008
3.483		694268	364975
3.52		173534	99776
3.536		33957	14142
3.548		93466	45295
3.581		1605783	1157813
3.617		9045	4742
3.633		12519	7049
3.656		79098	53677
3.69		388517	218604
3.706		212810	101937
3.75		794046	462567
3.761		1477758	769932
3.8		1839807	1398866
3.86		1643778	1195445
3.901		144259	97928
3.929		1120032	808368
3.956		808428	656597
3.978		205998	106485
4.055		1221550	855806
4.08		446162	298842
4.111		492070	354030
4.146		1238139	1221659
4.186		415351	328816
4.233		60122	53282
4.273		96410	68197
4.307		1138065	843353
4.327		266354	146746
4.351		328338	258939
4.421		199410	170686

RT A	Compound A	Height A	Area A
4.464		1285198	1220281
4.498		53414	36217
4.561		22488	18345
4.602		222246	217417
4.655		136874	101025
4.672		352510	246651
4.717		814782	721887
4.766		1269601	1387893
4.804		303939	222070
4.843		2769966	2551171
4.886		41631	35614
4.93		427451	440841
4.965		47485	33251
4.991		458422	405611
5.043		2639996	3366484
5.094		559210	506260
5.134		1199033	1298902
5.176		18660	8811
5.212		243362	290472
5.247		2558149	2290929
5.269		95470	45948
5.288		43593	18902
5.313		1312345	1238996
5.355		857539	803213
5.449		345838	276866
5.474		1561493	1383076
5.53		902896	795343
5.569		499209	505636
5.61		124302	123663
5.652		513560	552544
5.708		3484737	3171452
5.731		44539	29864
5.858		2205	665
5.911		2294551	2148012
5.943		71084	59782
5.966		546576	612286
6.101		230011	225534
6.165		28935	27589
6.18		334816	272980
6.335		798153	856832
6.379		50735	45482
6.536		291117	301752
6.684	DCB	4915721	5227321
6.934		1138	291
6.962		1608	815
6.987		1374	257
7.064		1562	384
7.074		1770	910
7.143		1521	1403
7.305		1207	995
7.374		1119	689
7.425		1618	549
7.465		1749	1441
7.527		1230	558
7.635		1292	437
7.743		1246	553
7.874		2218	1292
7.947		1533	924
8.033		1848	843
8.208		918	262
8.343		1262	333
8.368		1931	628
8.422		1611	501
8.562		1515	889
8.593		945	641

LANCASTER LABORATORIES

Sample Number: AR1641724B ZCAR164ZC CCAL 1725799999 10736 SW-846 8082
Injected On: 9/15/2017 1:40:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.655		1753	2711
1.808		1992	2429
1.852		1202	761
1.966		80060	70193
2.032		34301	64394
2.092		29725	21260
2.176		2959	4722
2.223		2203	4080
2.271		8030	8145
2.337		20928	21992
2.397		1883	1778
2.461		2426	1746
2.558		8838	11994
2.583		165727	155567
2.652	TCX	17008860	10017220
2.695		125143	89076
2.823		309650	208665
2.87		152870	70575
2.883		239170	120454
2.936		1383199	877749
2.986		40220	23974
3.047		196132	123348
3.143		1759720	1742001
3.194		224255	135023
3.215		112434	64582
3.241		149319	84518
3.264		1718679	1143038
3.301		79132	47073
3.329		11987	5394
3.348		431121	231717
3.363		248116	119889
3.39		3503	1548
3.413		857757	409770
3.423		1946970	825983
3.443		72878	25403
3.457		1708871	1156974
3.531		1813775	1152782
3.565		1276306	797619
3.589		1423761	776835
3.607		437247	216667
3.693		1556117	1027899
3.715		584299	318444
3.736		547467	331649
3.766		379432	205755
3.784		1236022	761168
3.826		461966	336712
3.873		74956	72963
3.896		303171	181611
3.918		1671653	1076697
3.943		335761	195916
3.963		62501	30272
3.982		201129	125483
4.018		1321124	911785
4.053		61330	38274

4.067		124590	72569
4.113		5544	2838
4.131		13794	9503
4.163		135673	159002
4.196		6242	3220
4.221		353111	254619
4.263		402323	243739
4.282		315084	147780
4.295		962533	530239
4.32		522293	542532
4.373		2973871	2206290
4.419		45657	47957
4.444		242448	163291
4.469		641735	455015
4.512		3213051	2526772
4.614		2677881	2569643
4.669		357029	296382
4.707		730137	646856
4.743		3137134	2582240
4.776		1623235	1153174
4.815		1131710	868650
4.915		388806	385889
4.966		2077505	1601704
4.99		254547	163689
5.04		1074824	950379
5.076		503674	404266
5.106		375634	313706
5.138		120588	72536
5.16		4176089	3504441
5.201		71772	52118
5.233		257160	207197
5.351		51634	32387
5.375		858324	716145
5.42		2496972	2900726
5.575		192018	168114
5.621		45755	32416
5.644		192186	154477
5.693		453255	416593
5.8		786577	725069
5.831		38457	26658
6		304826	289962
6.158	DCB	6219402	5615414
6.327		3076	2961
6.611		4214	3903
8.303		8094	17218

AR1641724B ZCAR164ZC CCAL 1725799999 10736 SW-846 808

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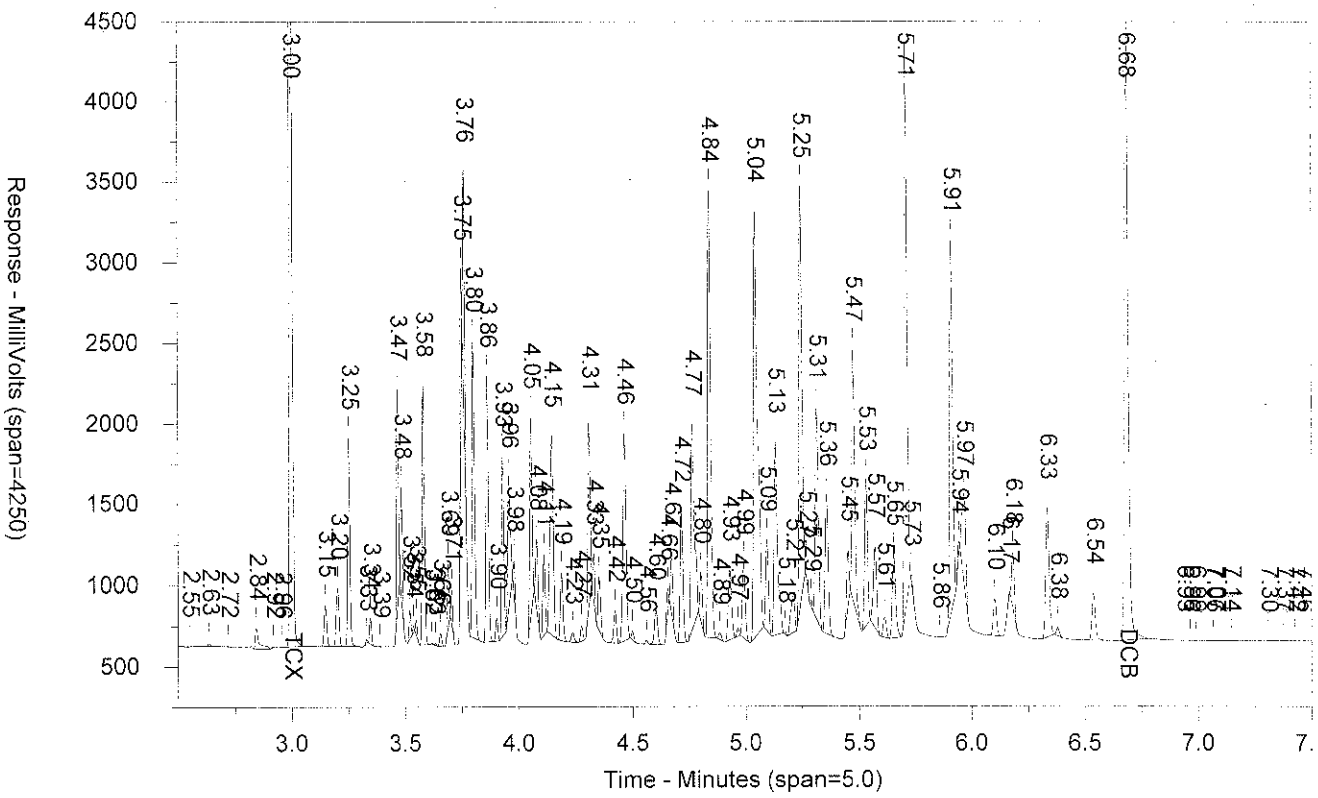

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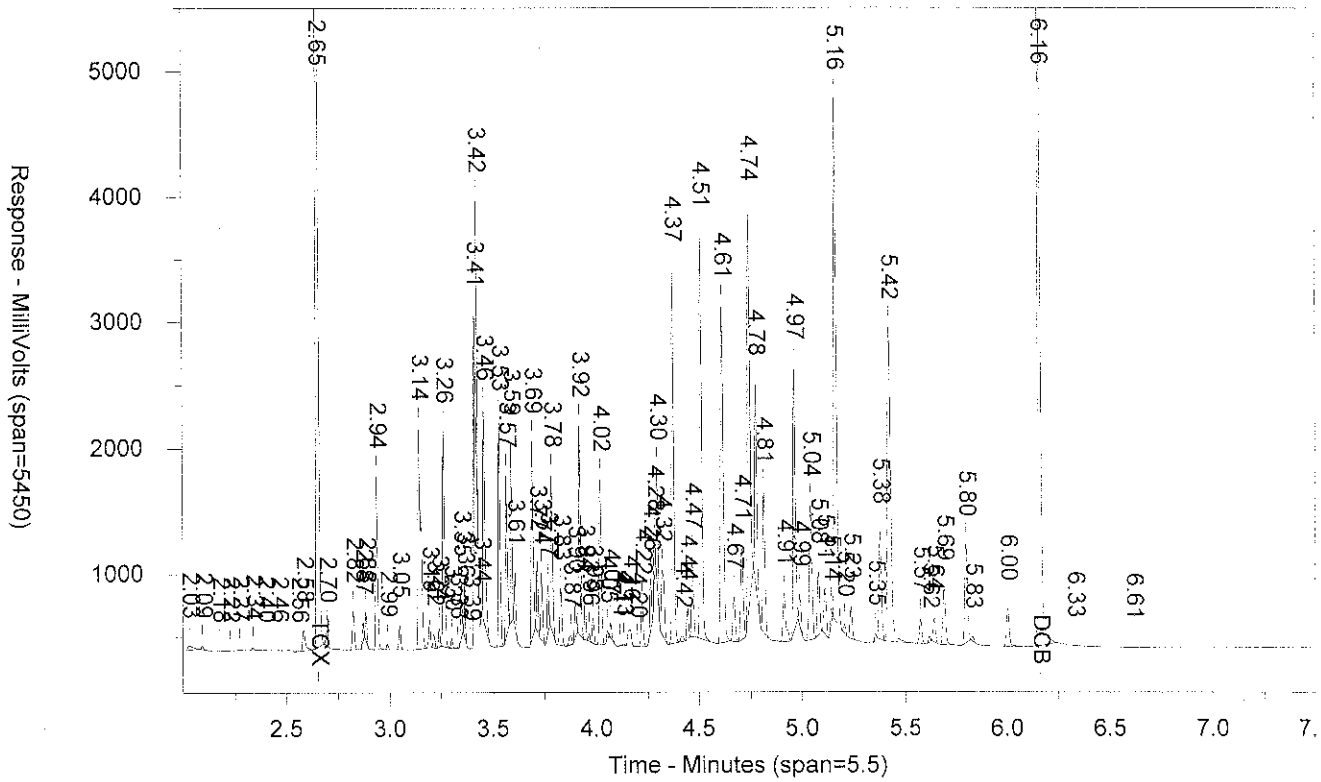

LANCASTER LABORATORIES

Sample Number: AR1641724B ZCAR164ZC CCAL 1725799999 10736 SW-846 8082
Injected On: 9/15/2017 1:40:08 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound E
2.999	15259150	40.314	TCX	2.652	17008860	43.767	TCX
6.684	4915721	36.418	DCB	6.158	6219402	39.041	DCB

Files:
Area File: 07pcbs17250007.0028.RAW
Area File: 07pcbs17250007B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 1:48:48 PM
File Reported On: 9/15/2017 at 1:49:03 PM

AR1641724B ZCAR164ZC CCAL 1725799999 10736 SW-846 808

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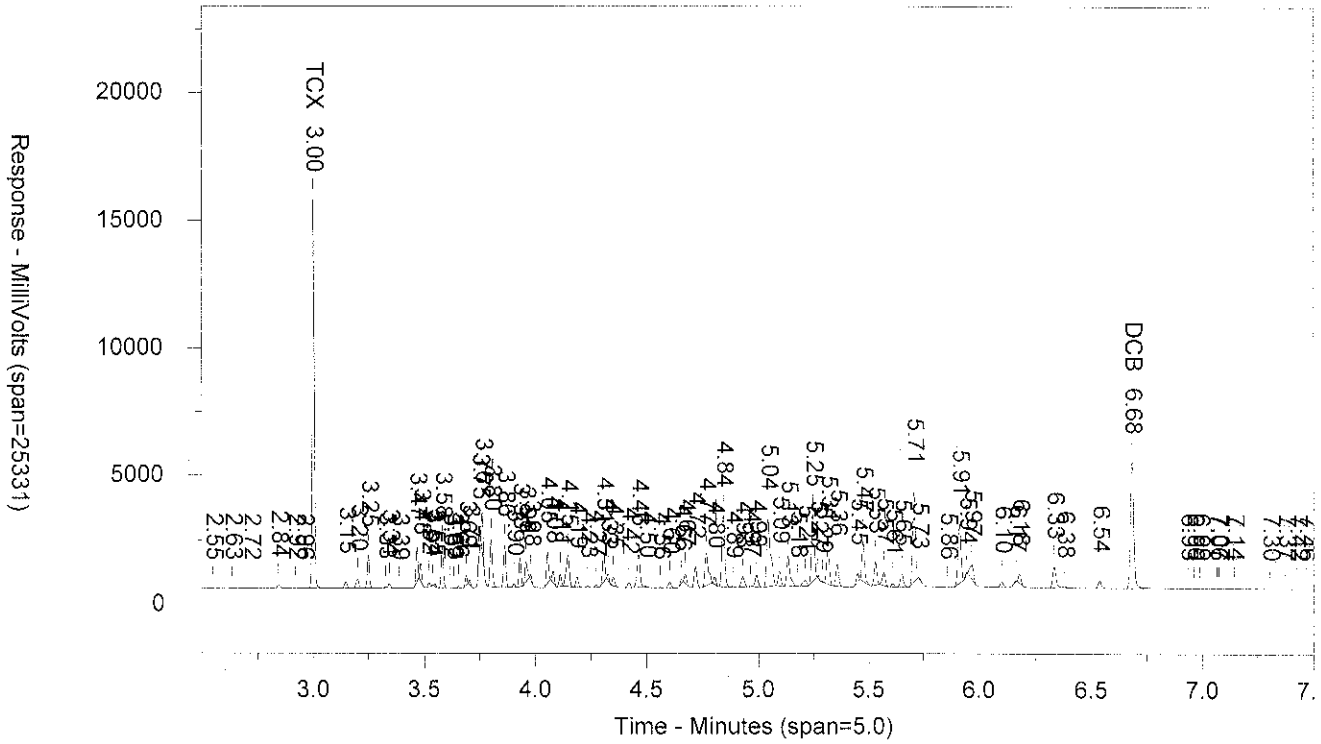

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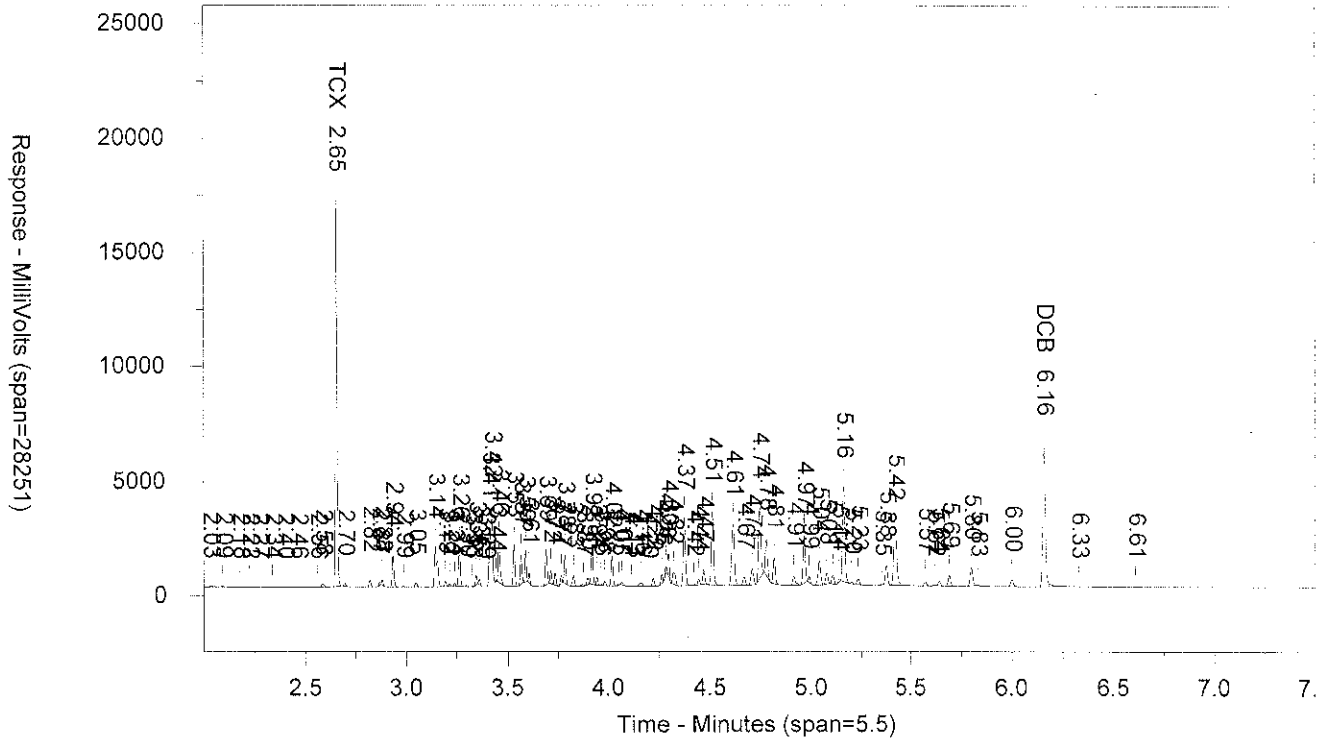

AR1641724B ZCAR164ZC CCAL 1725799999 10736 SW-846 808

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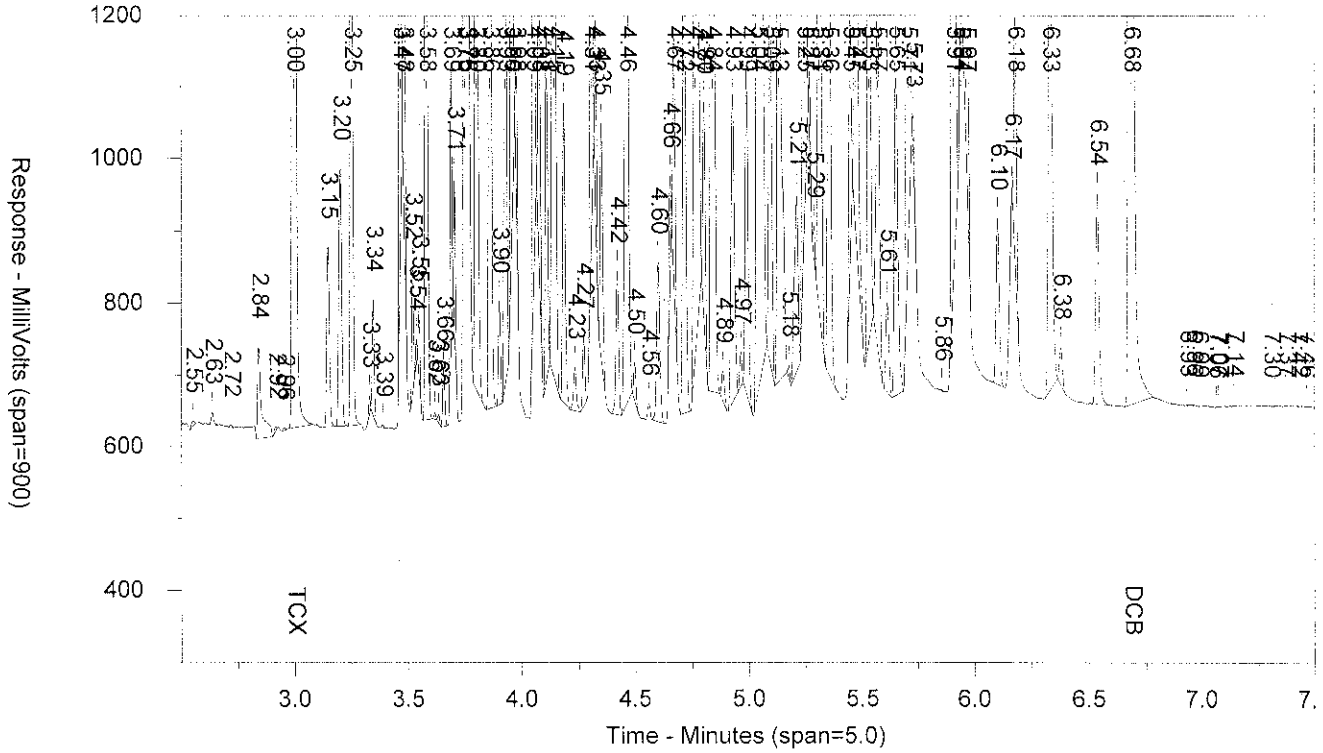

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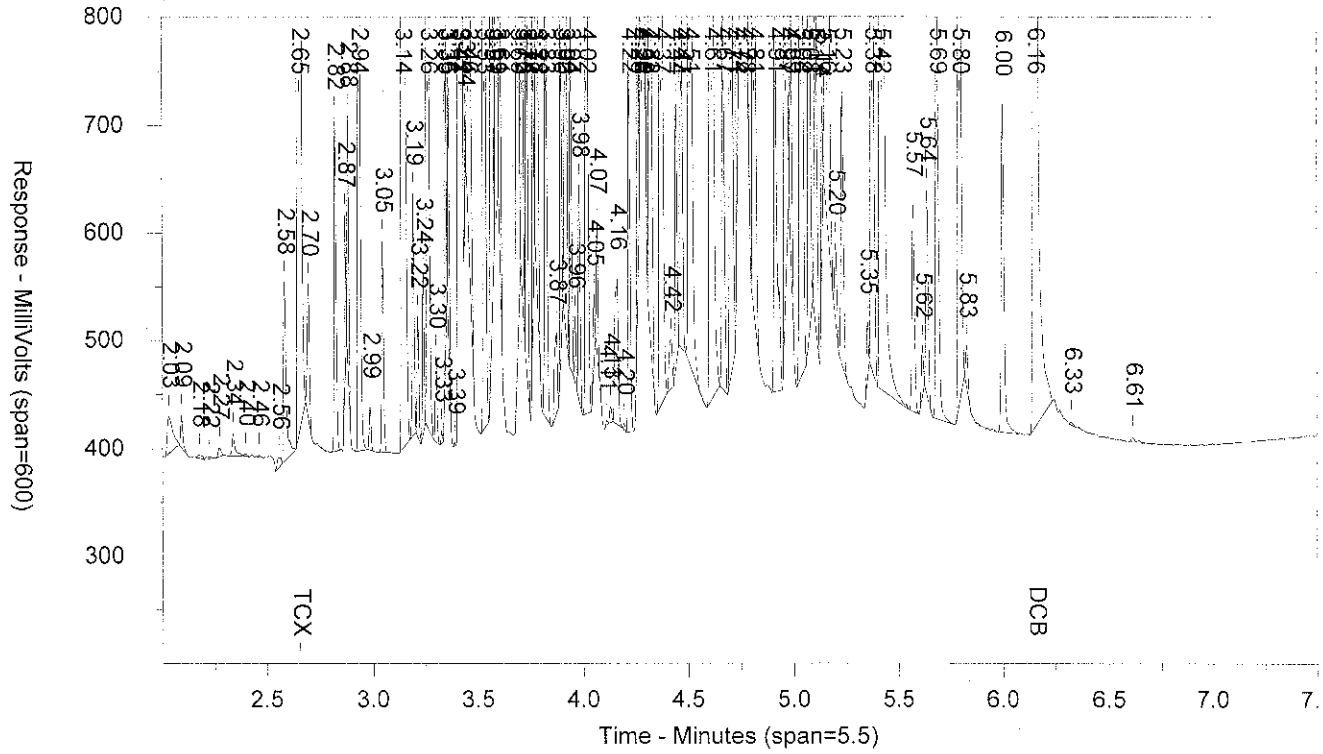

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZIPIBLKZI PIBLK1725799999 10736 SW-846 8082
Injected On: 9/15/2017 1:51:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.668		5382	35341
2.114		15828	38676
2.154		22878	51692
2.295		36888	29426
2.391		30215	22873
2.433		7810	9052
2.479		3903	2724
2.549		11616	10682
2.762		3061	2064
2.782		1715	662
2.845		32469	27783
2.927		41693	62580
2.957		4202	4263
3	TCX	7408396	4751616
3.099		5433	3666
3.197		114856	79425
3.329		29552	25521
3.411		4172	3343
3.456		2616	1320
3.557		2584	3107
3.675		2933	7419
3.74		3492	3452
3.834		1164	870
3.861		977	196
3.877		1309	538
3.891		1286	374
3.899		959	166
3.912		1319	554
3.936		1254	430
3.945		957	397
3.998		3373	4674
4.25		12180	12248
4.334		5903	7336
4.361		3469	2483
4.386		1285	915
4.54		908	572
4.693		2475	6619
4.753		1433	527
4.969		11137	9386
5.045		2937	4736
5.129		1527	1364
5.173		1881	927
5.208		20883	18749
5.402		2694	5663
5.453		1606	688
5.471		2040	603
5.516		4093	5306
5.61		17118	16918
5.733		49023	56718
5.824		1616	1898
5.848		1565	1393
5.867		1752	866
5.882		1477	840

RT A	Compound A	Height A	Area A
5.913		3978	3318
5.964		2945	3095
6.027		1873	3862
6.103		95016	96975
6.166		108604	125977
6.309		2373	2786
6.361		1477	415
6.404		1492	420
6.538		47332	46852
6.685	DCB	2285488	2568790
6.907		1467	493
6.937		1445	366
6.983		955	361
7.041		2106	754
7.085		2071	1762
7.152		2003	2823
7.172		1397	632
7.19		1268	818
7.239		1505	617
7.259		1506	403
7.453		1141	728
7.484		1552	623
7.83		1824	960
8.053		1784	704
8.149		1655	1019
8.204		1305	374
8.281		1515	458

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZIPIBLKZI PIBLK1725799999 10736 SW-846 8082
Injected On: 9/15/2017 1:51:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.551		4576	3344
1.614		2127	1500
1.656		5601	4334
1.761		6974	5467
1.814		2133	4016
1.847		2905	1735
1.866		6475	4018
1.965		48847	54013
2.03		14919	25409
2.07		7801	5362
2.091		13810	8784
2.171		8653	8892
2.221		2622	5033
2.271		13840	11772
2.367		7011	4349
2.461		7768	7376
2.51		13541	39206
2.557		25384	29543
2.583		45773	35129
2.652	TCX	8038732	4959044
2.736		7496	7030
2.823		7159	6518
2.85		2341	1470
2.87		114770	68156
2.909		5726	5283
2.986		22858	17281
3.076		5298	5015
3.16		6452	10749
3.329		10085	9294
3.363		5016	3677
3.391		4550	3379
3.467		2538	2221
3.542		1757	1227
3.6		3113	6675
3.655		2277	3259
3.924		3031	7812
3.981		15192	14580
4.065		11557	11418
4.116		5084	3954
4.179		1815	1481
4.277		2258	1772
4.382		1911	1588
4.488		11861	11523
4.67		1736	1264
4.717		23862	18469
5.035		3558	4027
5.113		17837	16416
5.235		48683	41435
5.273		3987	3205
5.379		2051	2162
5.423		3995	3134
5.576		76796	69436
5.645		88834	78991
5.693		16085	13742

6.001		50538	46247
6.159	DCB	2980442	2828603
6.611		2227	2528
6.645		2152	1671
8.209		2207	4089
8.299		8452	15149

IBLKX1724B ZIPIBLKZI PIBLK1725799999 10736 SW-846 8082

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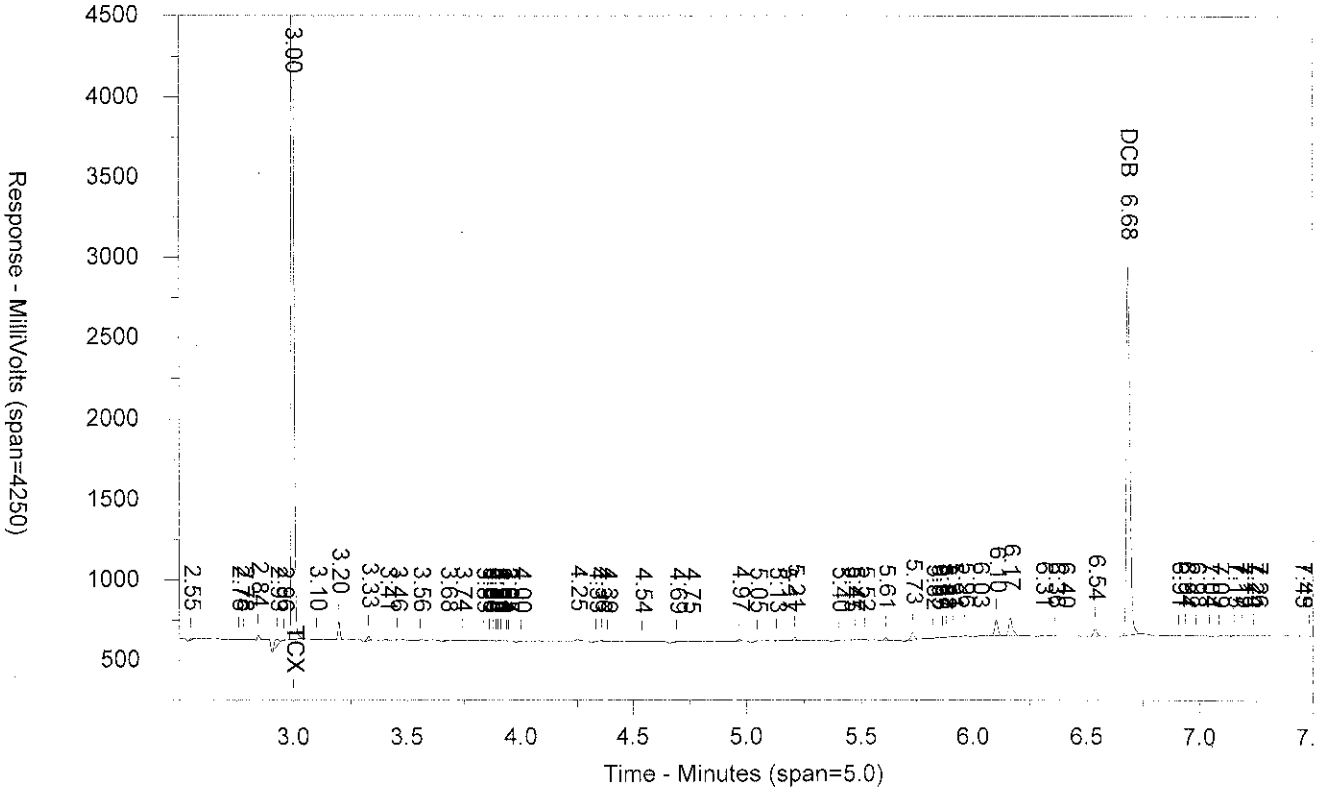

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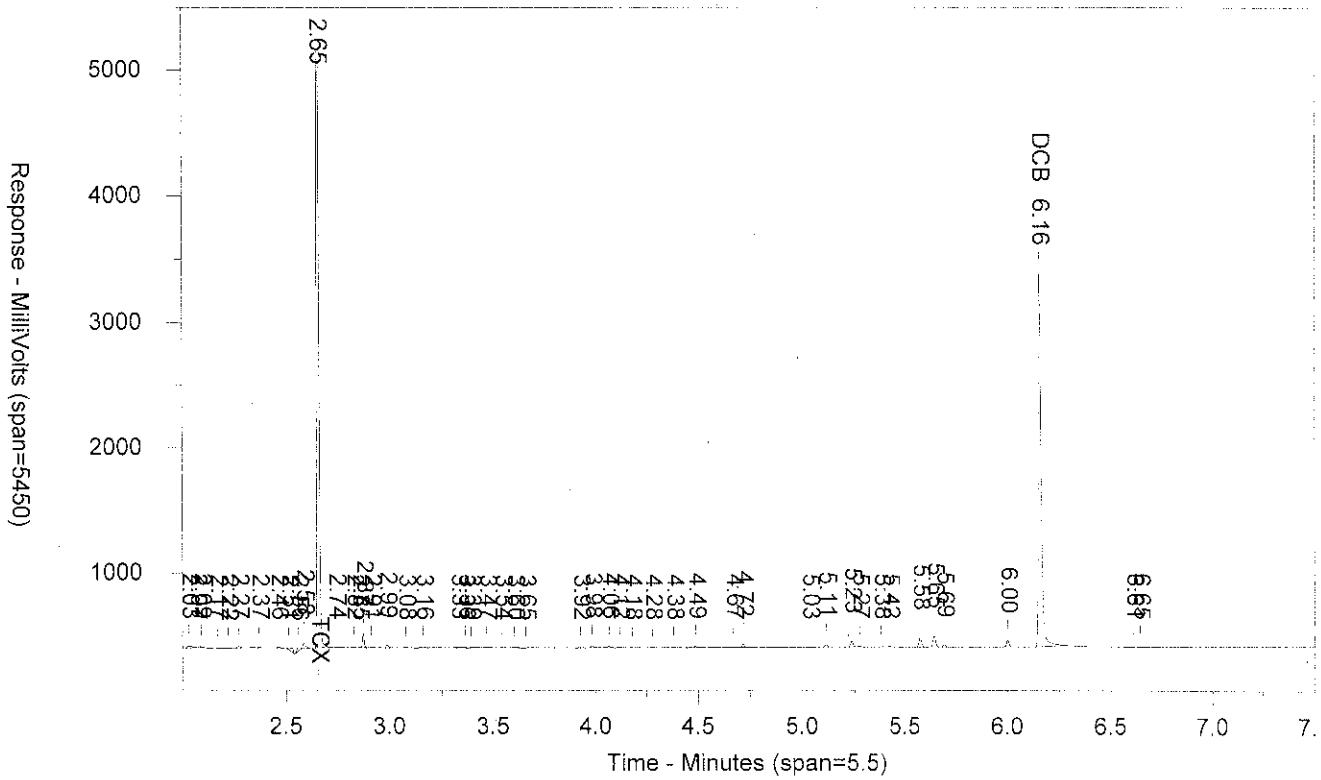

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZIPIBLKZI PIBLK1725799999 10736 SW-846 8082
Injected On: 9/15/2017 1:51:31 PM Sample Weight: 1000
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	7408396	.196	TCX	2.652	8038732	.207	TCX
6.685	2285488	.169	DCB	6.159	2980442	.187	DCB

Files:
Area File: 07pcbs17250007.0029.RAW
Area File: 07pcbs17250007B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 2:00:15 PM
File Reported On: 9/15/2017 at 2:00:25 PM

IBLKX1724B ZIPIBLKZI PIBLK1725799999 10736 SW-846 8082

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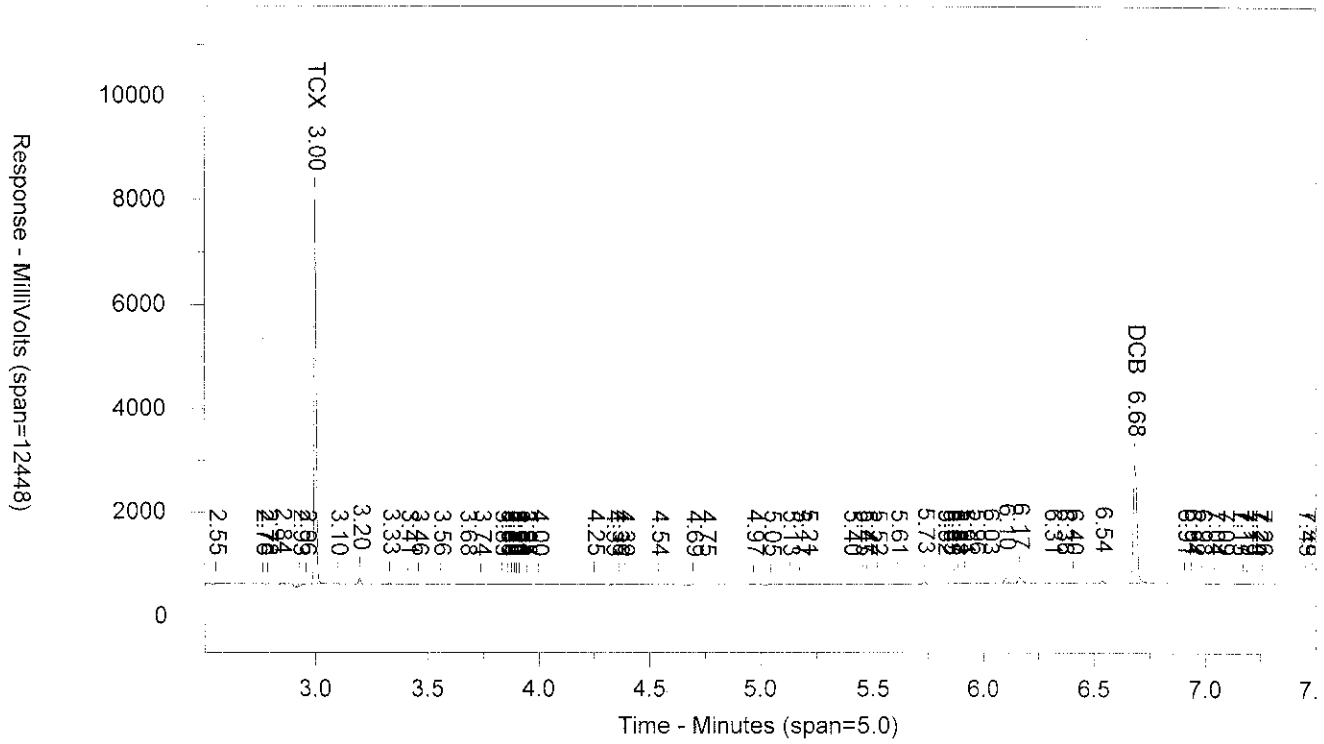

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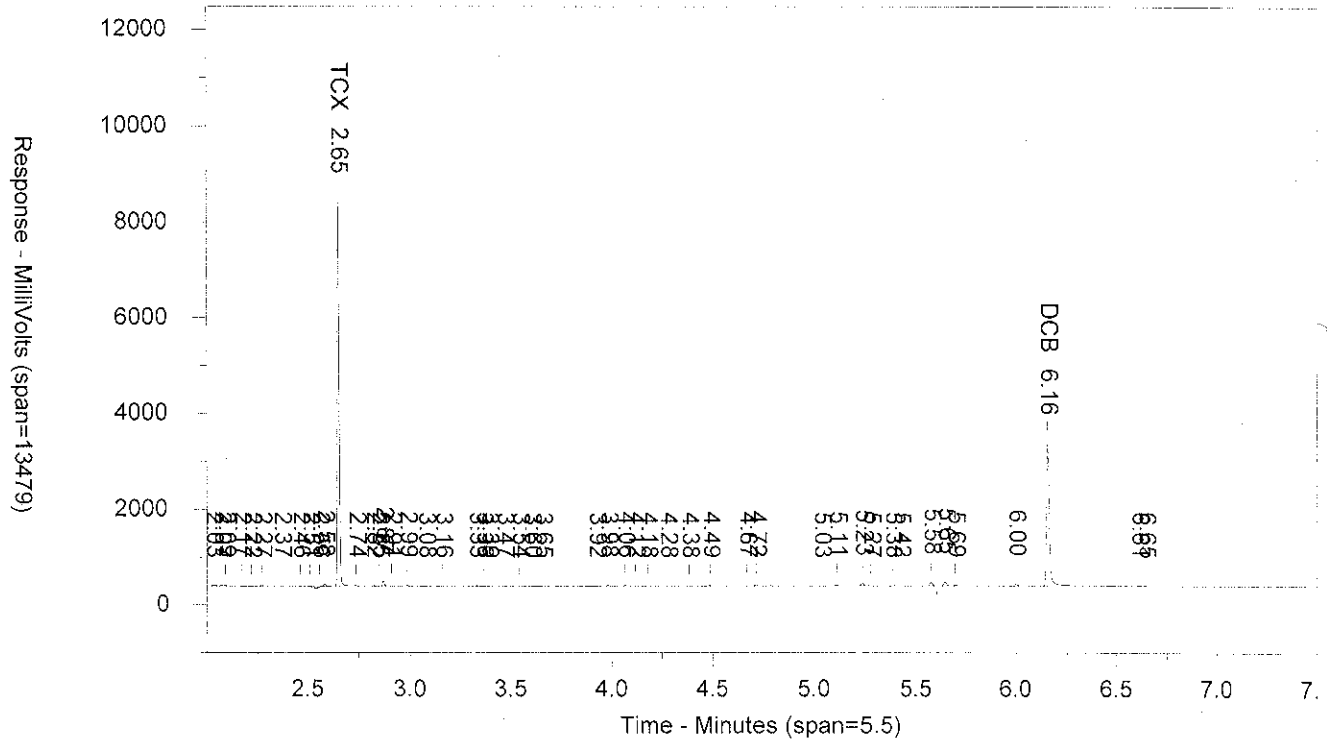

IBLKX1724B ZIPIBLKZI PIBLK1725799999 10736 SW-846 8082

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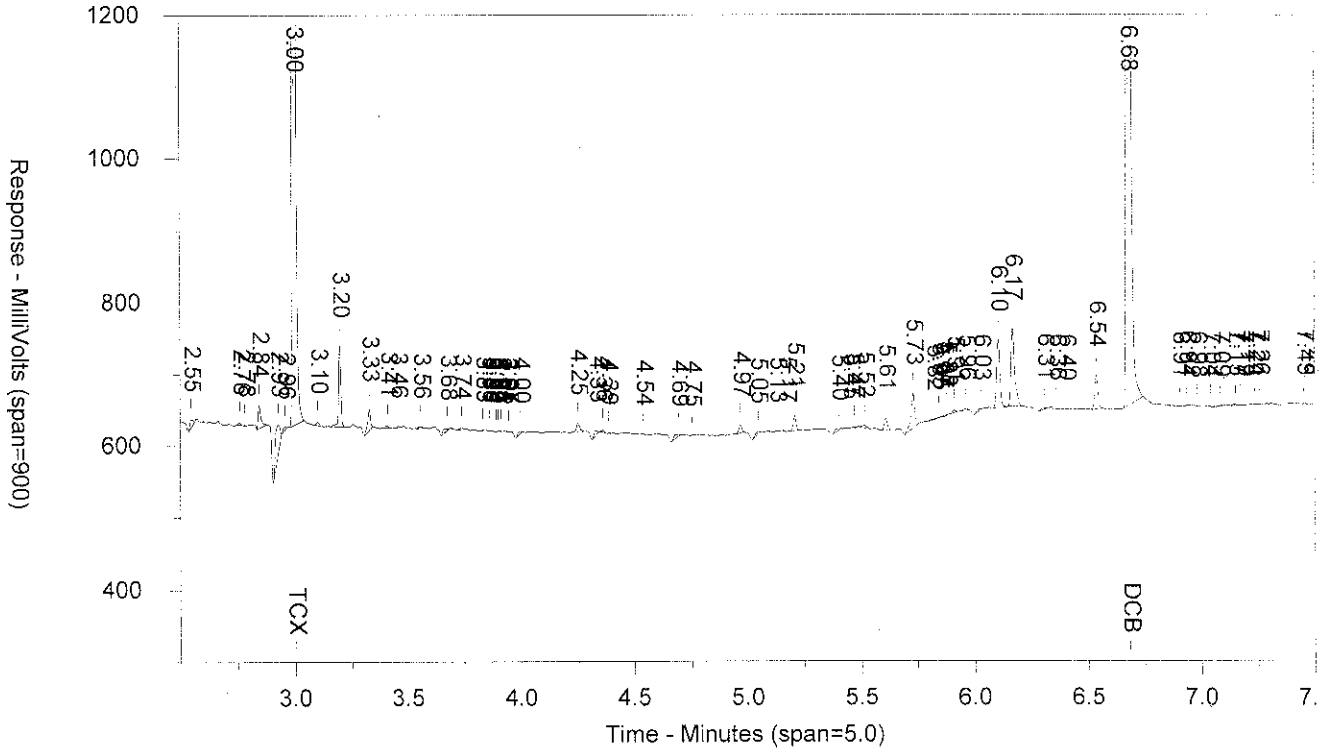

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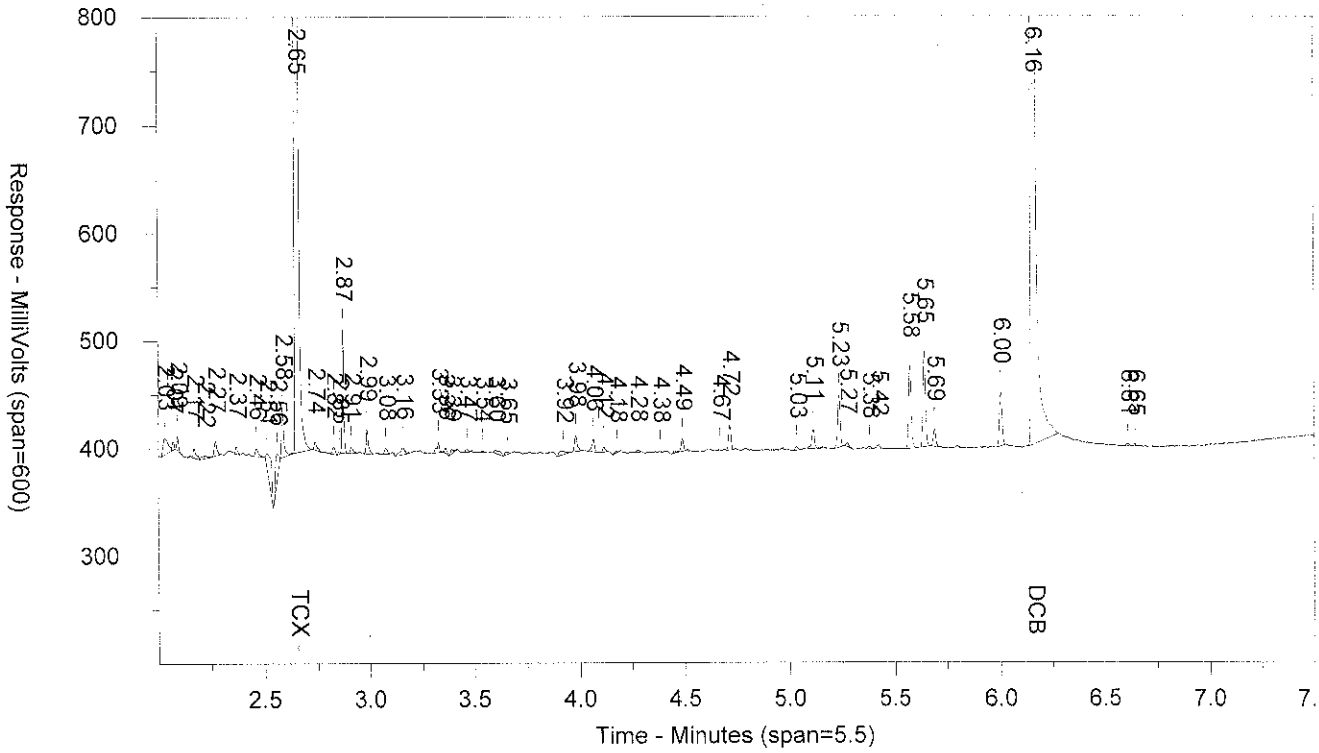

LANCASTER LABORATORIES

Sample Number: AR1641724B ZDAR164ZD CCAL 1725799999 10736 SW-846 8082
Injected On: 9/15/2017 5:52:03 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0050.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.637		5536	8788
2.027		3130	2219
2.112		19227	30969
2.152		40996	118683
2.295		76689	61501
2.391		53570	37356
2.404		29515	18275
2.435		6695	6916
2.478		3347	2278
2.552		14348	17159
2.577		10650	11529
2.635		15601	10134
2.67		5701	3922
2.758		5194	4044
2.845		60546	48933
2.925		14633	22564
2.957		4249	3762
2.999	TCX	14997110	9779375
3.098		6767	5867
3.147		242095	213977
3.176		2304	1305
3.202		349996	317224
3.251		1261416	880703
3.328		27524	14076
3.344		160591	99431
3.385		5061	2889
3.406		3018	1835
3.466		1358216	792496
3.483		699824	370689
3.52		165567	98499
3.536		33335	13516
3.548		87997	45026
3.581		1590214	1157192
3.619		8154	4625
3.633		11895	7367
3.656		85571	56678
3.691		360079	214006
3.705		197446	95987
3.75		846714	462305
3.761		1619451	797107
3.8		1808283	1403742
3.86		1624634	1201433
3.901		141328	98700
3.929		1121630	809801
3.956		741749	661532
3.978		193276	102284
4.055		1202927	860337
4.08		457460	301335
4.111		490313	353067
4.145		1225417	1222045
4.186		414828	328355
4.232		62298	52650
4.272		92365	67478

RT A	Compound A	Height A	Area A
4.307		1169495	850304
4.326		257637	146348
4.351		319406	252238
4.42		203153	168671
4.464		1284027	1223181
4.499		52855	36365
4.561		22716	18326
4.602		232457	225735
4.655		159847	103119
4.671		362659	246246
4.717		813182	717788
4.765		1239930	1383865
4.802		302620	217172
4.842		2758050	2551548
4.886		44433	36427
4.93		413984	437125
4.964		49930	35266
4.99		444305	410214
5.043		2670426	3374551
5.094		557607	505130
5.134		1177843	1300111
5.176		14968	7133
5.212		248058	290189
5.247		2532129	2267064
5.269		79298	41763
5.288		51095	22841
5.313		1390626	1246646
5.355		834578	804834
5.449		342892	275217
5.473		1575517	1385710
5.53		909012	802580
5.568		493609	496957
5.609		118997	123678
5.652		515252	552316
5.708		3568539	4029235
5.913		2237076	2171851
5.944		67228	59391
5.967		565772	618574
6.101		232685	225361
6.165		41683	30810
6.181		323981	258230
6.335		797097	849147
6.379		51339	46045
6.459		2526	2218
6.536		274825	294628
6.597		2262	684
6.683	DCB	4897326	5267332
7.14		2497	2551
7.227		1461	1311
7.294		1199	336
7.335		1403	388
7.425		1559	835
7.567		1402	800
7.606		1506	579
7.758		1118	540
7.866		1477	471
7.888		1547	1430
7.992		1788	1274
8.161		1641	596
8.204		1671	629
8.241		1594	476
8.283		1440	650
8.377		2427	508
8.613		1517	1257
8.695		1364	262

LANCASTER LABORATORIES

Sample Number: AR1641724B ZDAR164ZD CCAL 1725799999 10736 SW-846 8082
Injected On: 9/15/2017 5:52:03 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0050.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.765		8942	14465
1.806		2710	3811
1.87		6903	6997
1.965		88004	95857
2.035		21162	36880
2.072		9337	6929
2.091		27774	18572
2.173		10569	10494
2.225		2817	4874
2.271		16230	14688
2.337		21925	17421
2.367		8383	5413
2.399		2946	2516
2.462		10337	8214
2.51		6770	13818
2.555		14905	14857
2.582		79114	57173
2.652	TCX	16715660	9962265
2.695		125885	89844
2.735		7950	7673
2.823		312393	212080
2.87		148897	70049
2.883		231662	118174
2.909		4294	2515
2.935		1404880	872132
2.986		42803	28667
3.047		195689	122500
3.077		5318	4579
3.142		1784785	1729720
3.194		215465	134830
3.216		112792	66332
3.241		150099	84941
3.265		1704620	1135838
3.302		78342	46979
3.329		11937	5139
3.348		431516	231437
3.363		251085	121134
3.39		4185	1883
3.414		826922	382868
3.423		1759202	776677
3.443		79539	27280
3.457		1698683	1144697
3.531		1830487	1144455
3.565		1243147	791903
3.589		1386022	773770
3.607		435120	217063
3.692		1605272	1015596
3.715		567937	316304
3.736		550002	332499
3.766		371228	198551
3.784		1245469	752150
3.826		448992	334521
3.874		77325	74570
3.896		298125	178001

3.917		1633883	1067498
3.943		325645	191252
3.962		62377	29654
3.982		200800	125403
4.018		1302195	904201
4.052		60182	36240
4.067		122627	72506
4.115		5518	3132
4.13		12052	8566
4.154		51054	26929
4.163		48815	21844
4.196		7729	4007
4.221		352359	252232
4.263		392088	244182
4.283		241931	132880
4.295		978947	527461
4.32		530087	545333
4.374		2892021	2190131
4.419		49582	49316
4.444		236950	158867
4.468		625800	448458
4.511		3126656	2506313
4.614		2552307	2551096
4.668		350013	290895
4.707		705534	640329
4.743		3159866	2566210
4.775		1598068	1144225
4.814		1093383	862881
4.915		383225	384324
4.966		2049179	1583422
4.99		224783	154149
5.04		1021837	942226
5.076		518266	401857
5.106		379890	312623
5.138		109966	67723
5.16		4111014	3458174
5.201		70989	48910
5.232		252574	202900
5.352		45188	29048
5.375		831133	713370
5.42		2520725	2888108
5.575		187049	166912
5.62		45055	31376
5.643		184180	153476
5.693		455059	413400
5.8		811936	715827
5.831		37087	23511
6		299407	279430
6.159	DCB	6236049	5790410
6.61		4104	3062
7.921		1416	1483
8.083		1351	2116
8.297		8373	15375

AR1641724B ZDAR164ZD CCAL 1725799999 10736 SW-846 808

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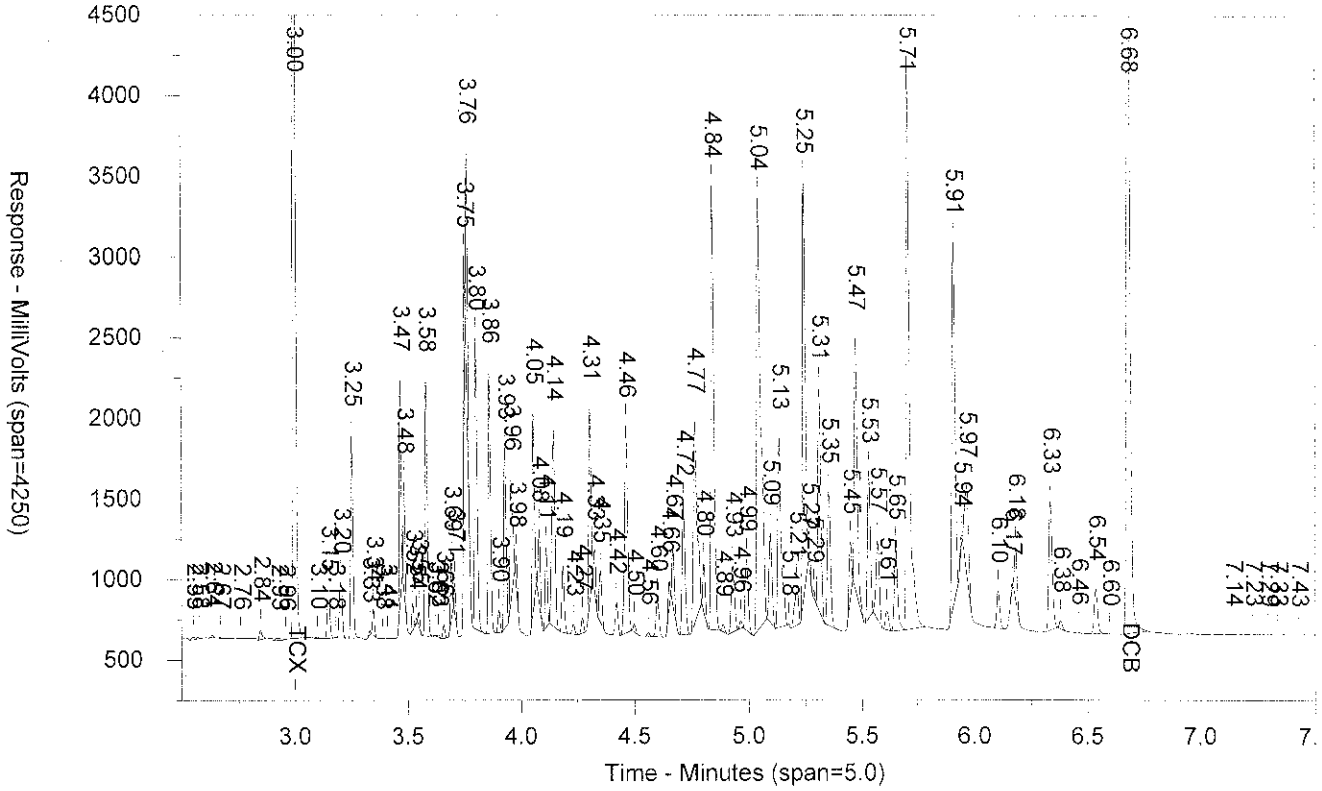

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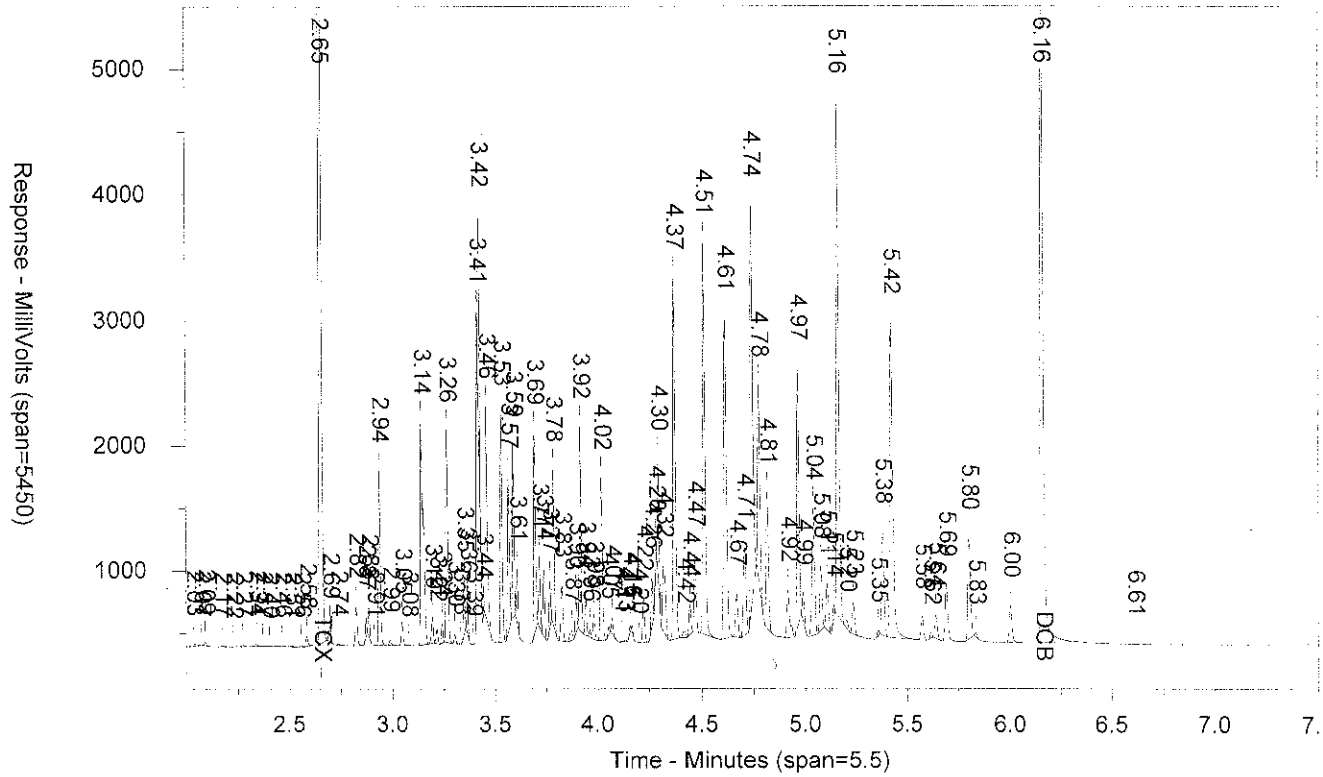

LANCASTER LABORATORIES

Sample Number: AR1641724B ZDAR164ZD CCAL 1725799999 10736 SW-846 8082
Injected On: 9/15/2017 5:52:03 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound E
2.999	14997110	39.622	TCX	2.652	16715660	43.013	TCX
6.683	4897326	36.282	DCB	6.159	6236049	39.146	DCB

Files:
Area File: 07pcbs17250007.0050.RAW
Area File: 07pcbs17250007B.0050.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 6:00:48 PM
File Reported On: 9/15/2017 at 6:01:05 PM

AR1641724B ZDAR164ZD CCAL 1725799999 10736 SW-846 808

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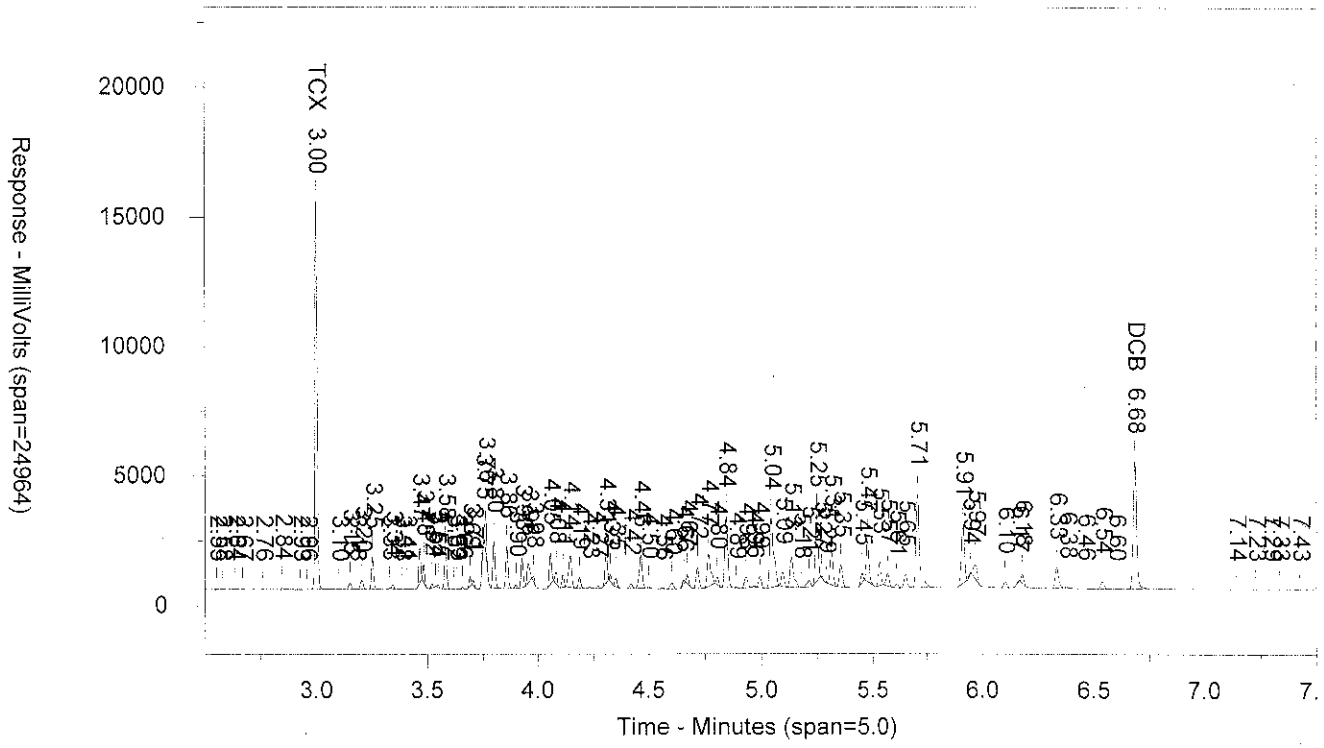

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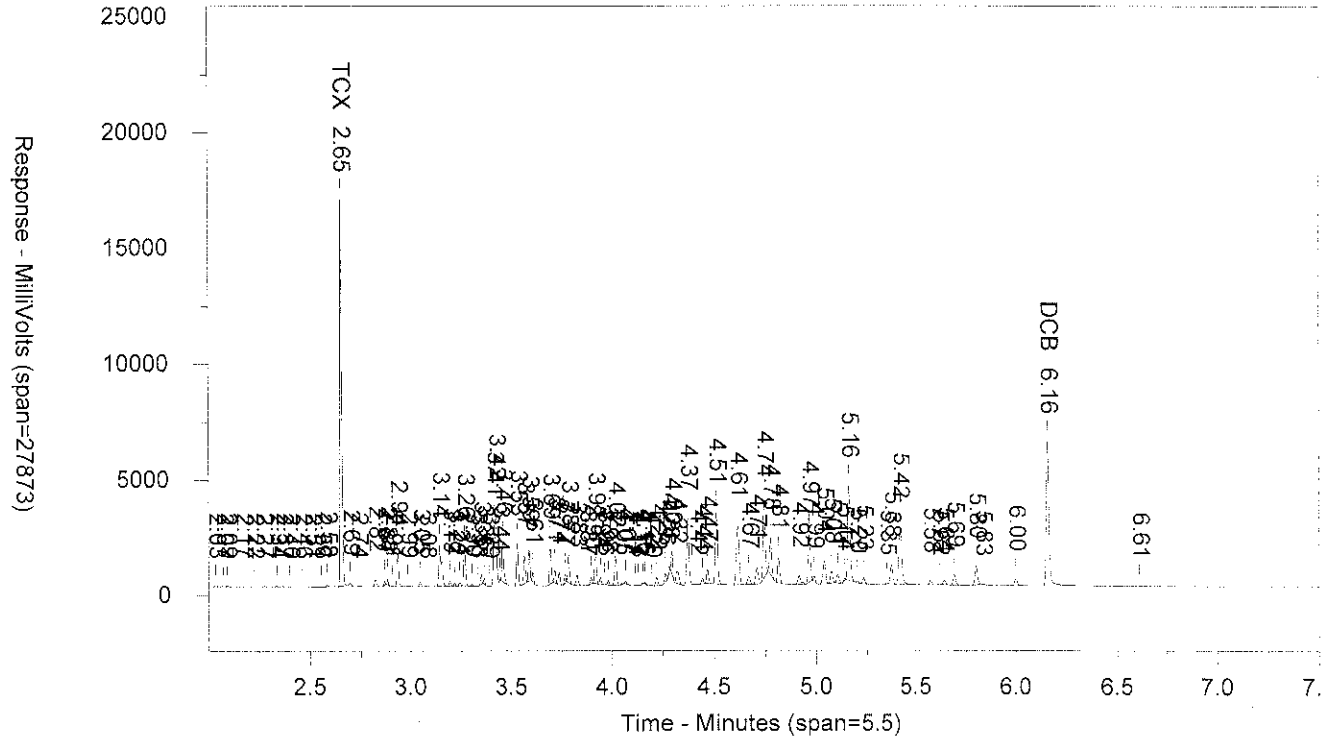

AR1641724B ZDAR164ZD CCAL 1725799999 10736 SW-846 808

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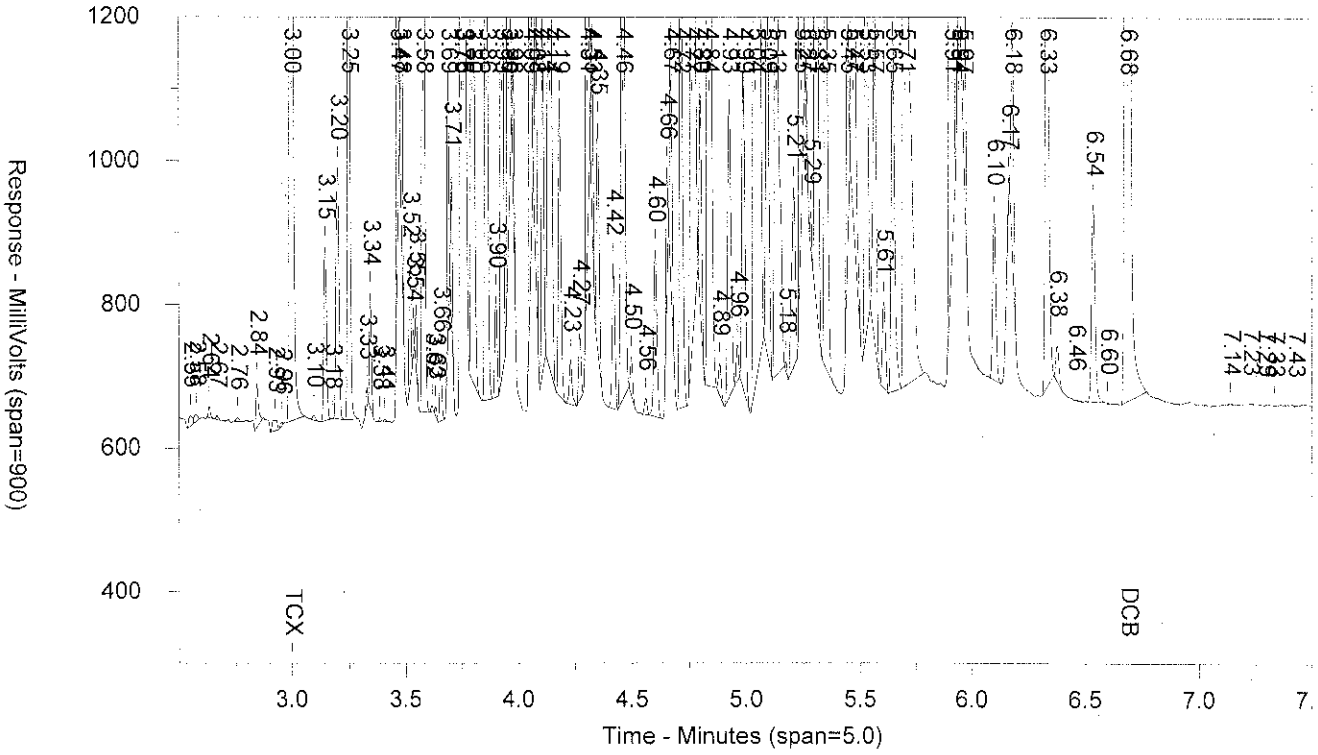

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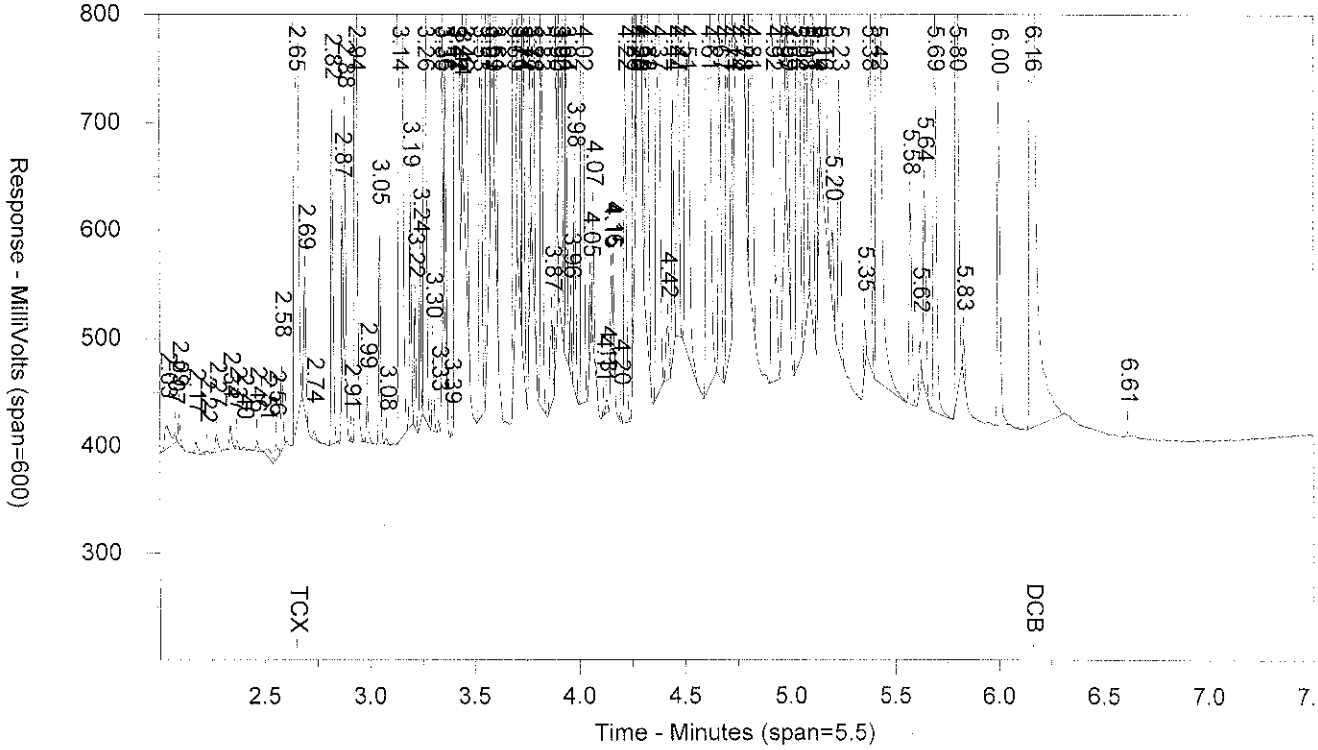

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZKPIBLKZK PIBLK1725799999 10736 SW-846 8082
Injected On: 9/15/2017 6:03:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0051.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.667		5947	32552
2.035		4039	7134
2.111		17775	30360
2.149		40902	116602
2.295		40617	36275
2.391		27214	19041
2.405		13463	7159
2.432		6902	6911
2.481		3568	2020
2.552		13970	15235
2.575		11271	12182
2.756		4787	4499
2.845		71364	60200
2.933		13459	21058
2.957		4913	4902
3	TCX	7462124	4908584
3.176		2791	1225
3.197		114924	72459
3.257		5236	4733
3.329		30520	33569
3.406		4330	3349
3.551		2390	817
3.666		4162	5060
3.69		2504	2109
3.798		3705	3847
3.854		1152	585
3.888		763	224
3.897		1013	323
3.923		2039	548
3.94		1136	235
3.956		3701	4069
3.993		2698	2256
4.04		1170	635
4.213		1385	602
4.249		13366	13360
4.287		6661	8253
4.328		2806	1571
4.358		3671	4169
4.422		1112	385
4.453		2221	1533
4.631		1350	671
4.678		4500	3779
4.737		1364	436
4.795		1569	379
4.967		14693	12960
5.052		1431	5140
5.079		1316	444
5.136		1318	421
5.207		26481	24190
5.245		2529	1554
5.409		1405	5257
5.424		1764	659
5.469		2035	912

RT A	Compound A	Height A	Area A
5.509		3123	2467
5.608		20859	21869
5.638		1238	434
5.66		1525	772
5.732		61360	67269
5.798		1987	2862
5.836		1260	976
5.91		5477	8457
5.957		3382	3028
6.031		1616	3764
6.101		108179	106322
6.164		119478	145534
6.467		1506	476
6.535		50229	48501
6.63		1547	594
6.683	DCB	2432872	2638601
6.864		1305	557
6.927		1363	522
7.139		1276	472
7.173		1685	496
7.294		1625	495
7.324		1697	549
7.401		1689	623
7.563		1962	333
7.719		1092	622
7.896		1731	916
8.064		1409	664
8.083		1442	914
8.103		1711	565
8.124		2449	1379
8.2		1641	493
8.358		2145	624
8.463		1958	461
8.553		1312	526

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZKPIBLKZK PIBLK1725799999 10736 SW-846 8082
Injected On: 9/15/2017 6:03:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0051.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.552		3890	3314
1.656		5677	5030
1.761		9467	9028
1.814		5001	12041
1.865		7760	8742
1.965		48848	52609
2.032		23637	40381
2.07		10105	8819
2.091		14082	10057
2.172		8898	8221
2.223		1760	2403
2.27		14776	13089
2.332		3709	5040
2.367		7090	4694
2.398		2201	3089
2.462		8355	6900
2.51		7217	14664
2.555		14557	14998
2.582		94796	78167
2.652	TCX	8319360	5039370
2.736		8017	8252
2.822		6560	6667
2.869		115459	73099
2.911		7093	6378
2.986		22326	17214
3.022		3569	2149
3.076		5095	4829
3.106		2341	1851
3.158		6066	7054
3.237		4753	3255
3.329		9255	8839
3.391		4131	2697
3.468		2861	2555
3.543		1832	1612
3.598		2424	5528
3.662		1518	1652
3.751		4115	4331
3.873		3909	6401
3.919		3002	6165
3.979		15265	17483
4.063		12705	12263
4.115		5278	8318
4.197		2549	1823
4.276		2248	2529
4.485		14894	14631
4.614		3376	5414
4.715		31290	23232
4.965		3350	4294
5.035		4197	4685
5.11		21215	19137
5.16		3219	2611
5.233		59136	49155
5.271		4305	3722
5.377		2324	2155

5.423		5087	4974
5.575		86094	74654
5.644		99976	86448
5.693		19571	16618
5.8		2017	1434
6		53765	47310
6.159	DCB	3060322	2911174
6.61		2335	1919
7.397		1703	1231
8.295		8171	14415

IBLKX1724B ZKPIBLKZK PIBLK1725799999 10736 SW-846 8082

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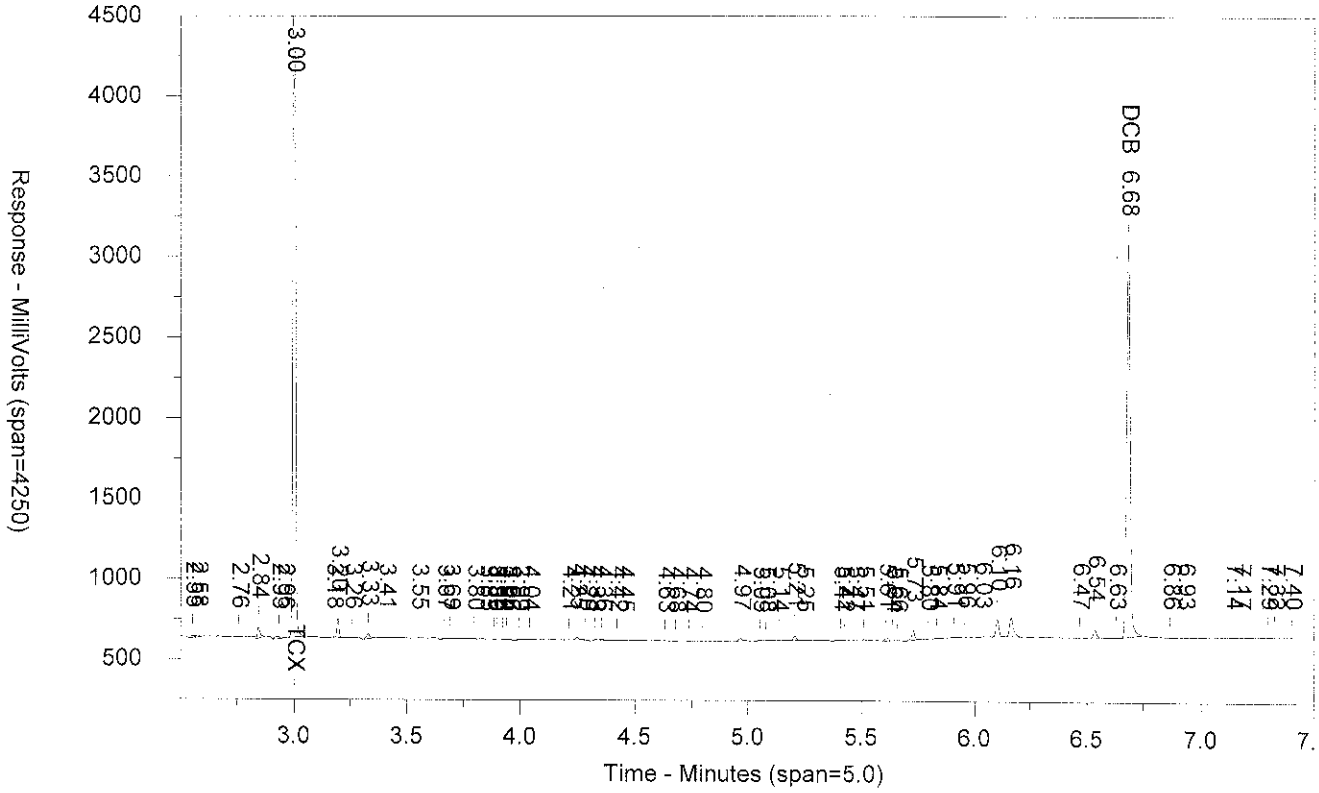

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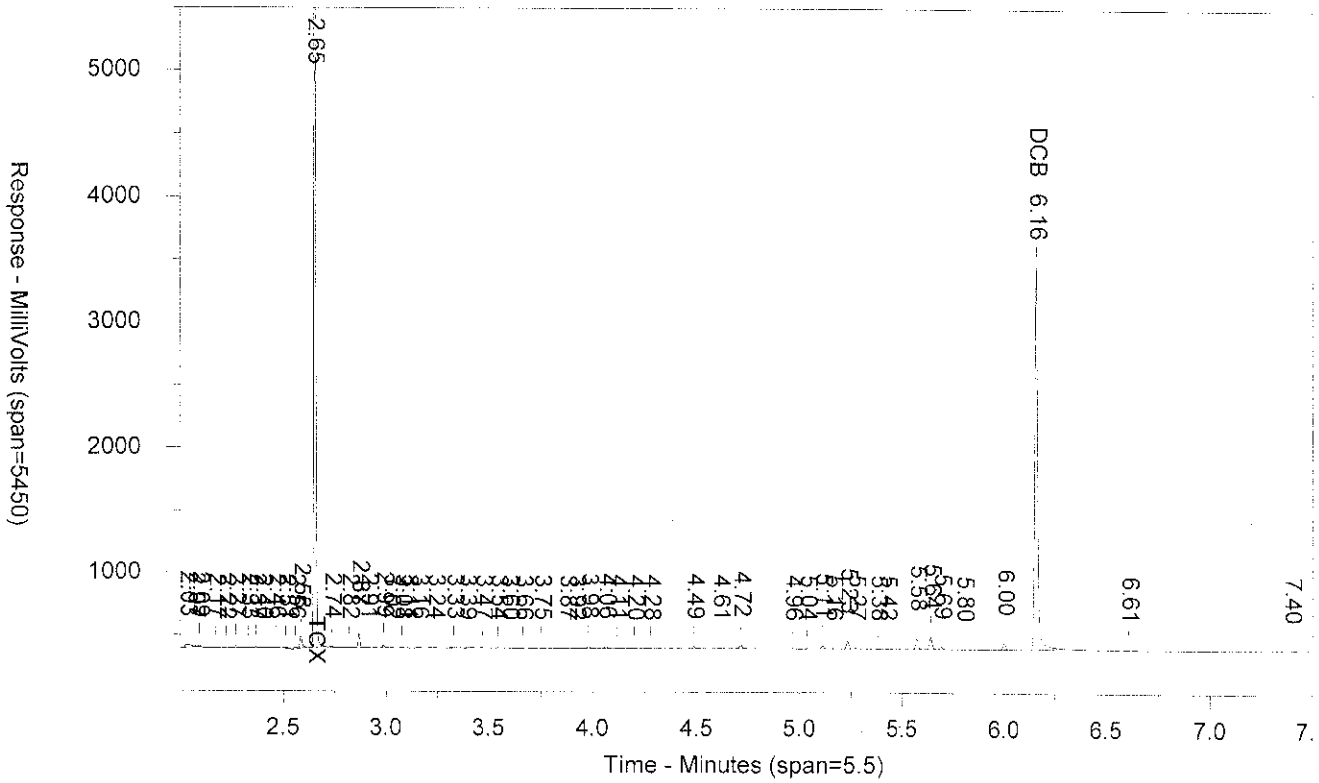

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZKPIBLKZK PIBLK1725799999 10736 SW-846 8082
Injected On: 9/15/2017 6:03:31 PM Sample Weight: 1000
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	7462124	.197	TCX	2.652	8319360	.214	TCX
6.683	2432872	.18	DCB	6.159	3060322	.192	DCB

Files:
Area File: 07pcbs17250007.0051.RAW
Area File: 07pcbs17250007B.0051.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 6:12:15 PM
File Reported On: 9/15/2017 at 6:12:27 PM

IBLKX1724B ZKPIBLKZK PIBLK1725799999 10736 SW-846 8082

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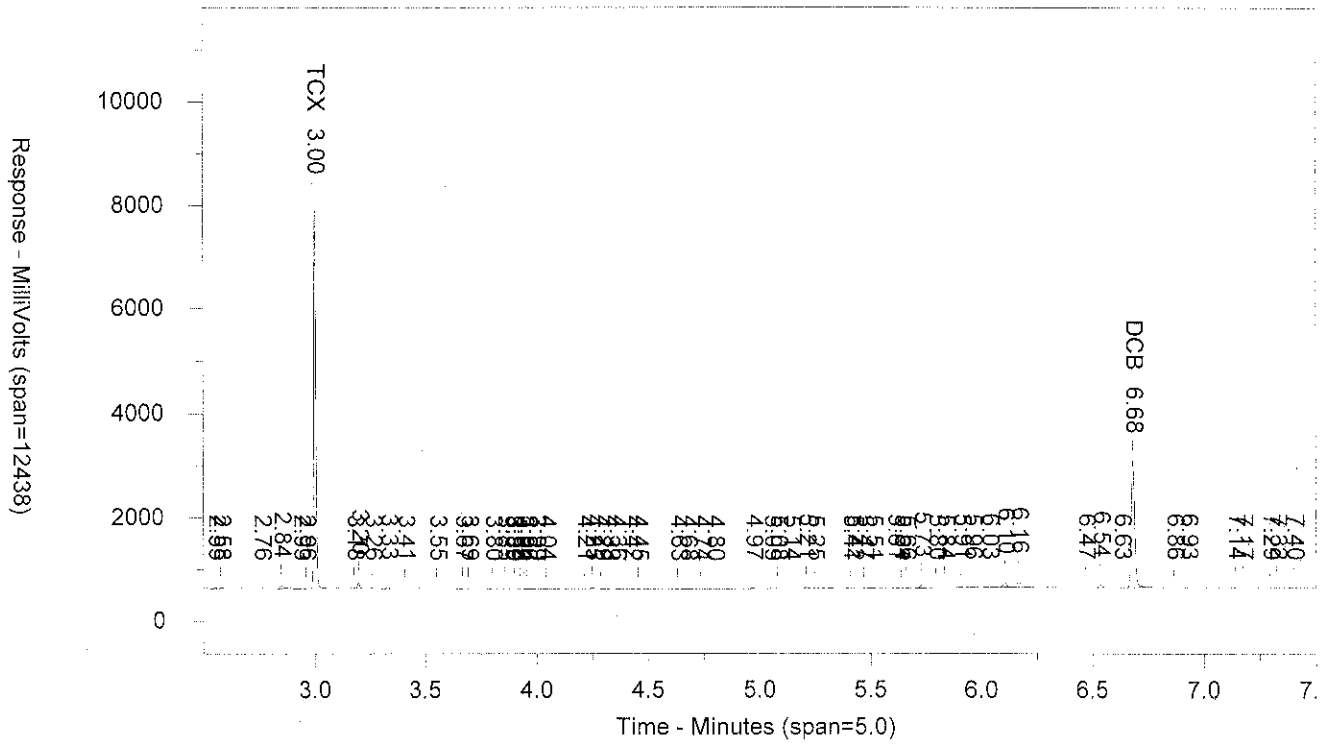

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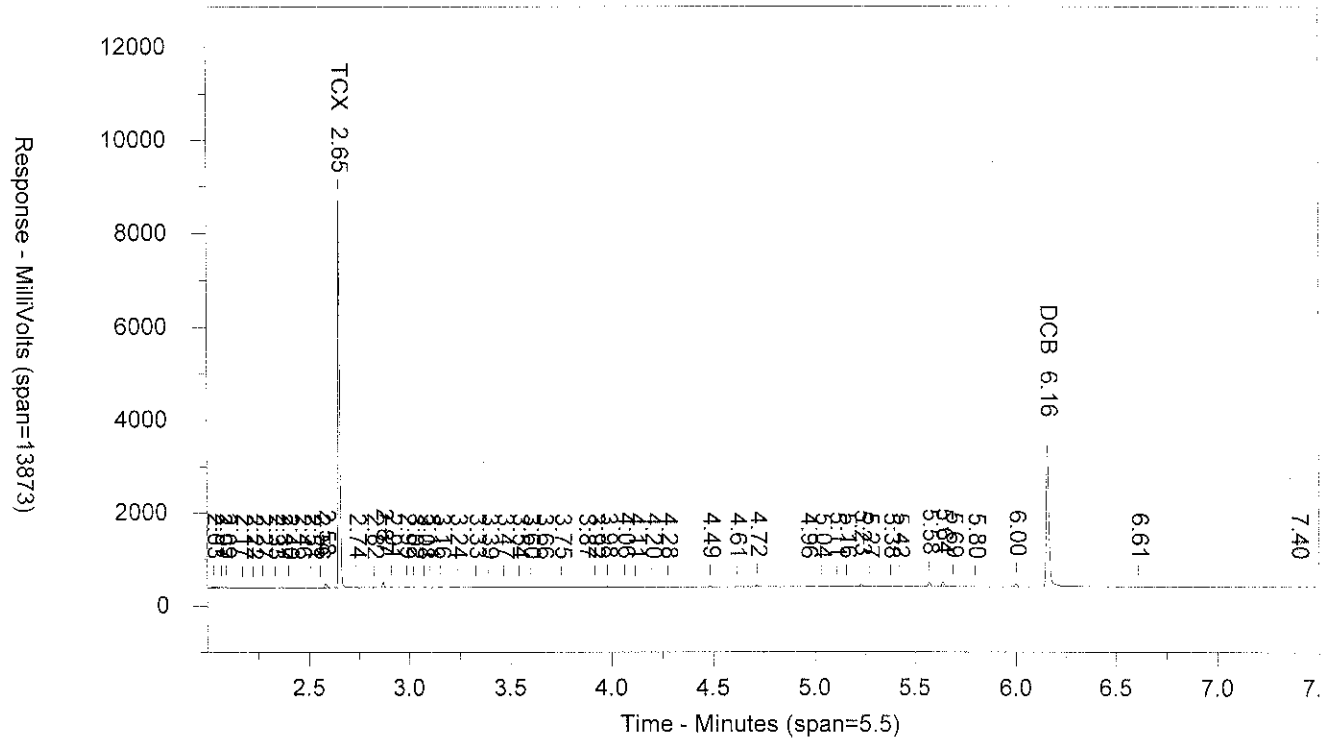

IBLKX1724B ZKPIBLKZK PIBLK1725799999 10736 SW-846 8082

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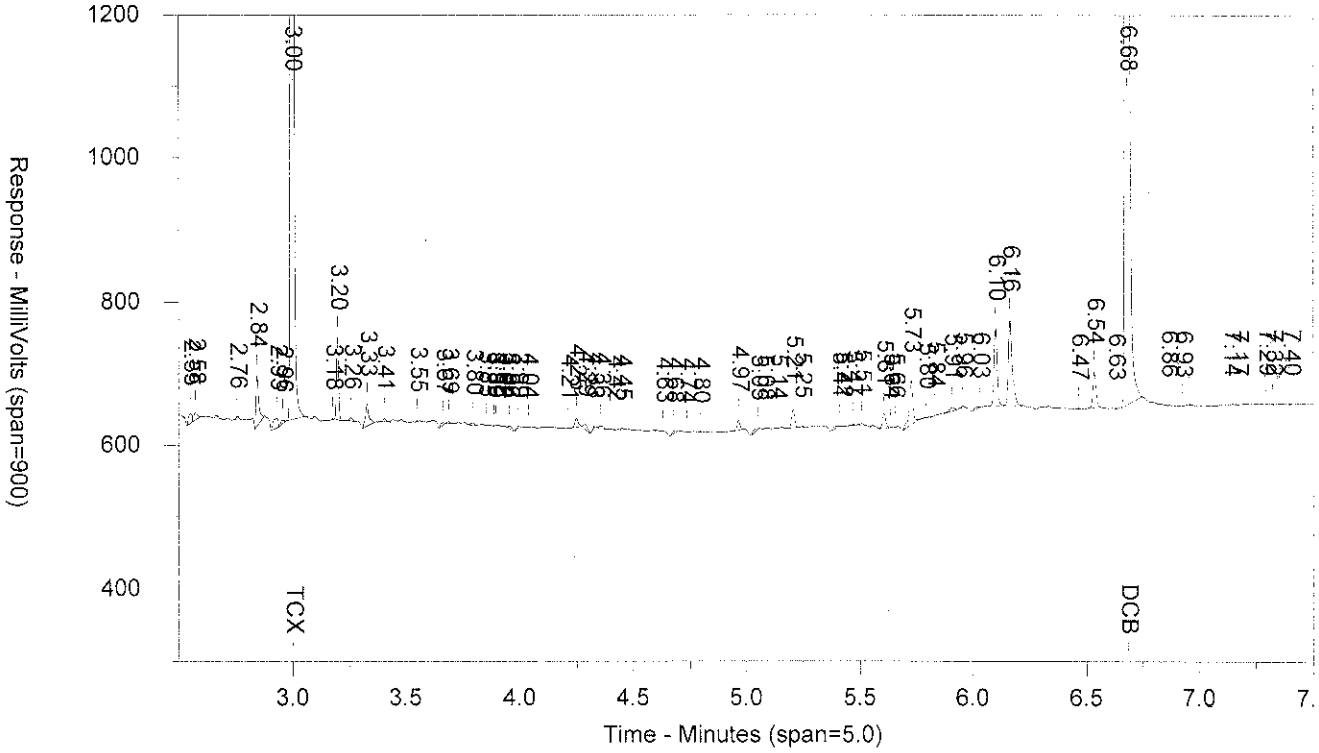

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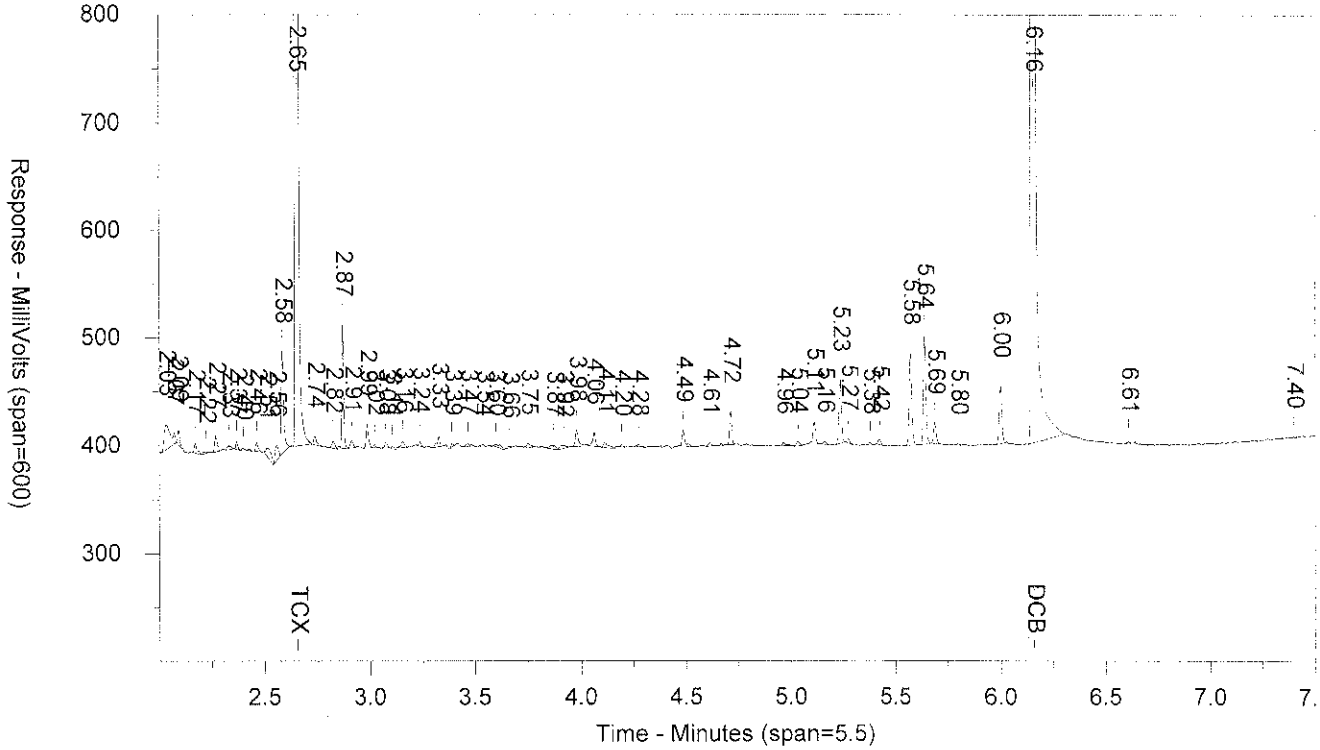

LANCASTER LABORATORIES

Sample Number: AR1641724B ZEAR164ZE CCAL 1725799999 10736 SW-846 8082
Injected On: 9/15/2017 10:04:38 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0072.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.637		6402	8667
1.857		2756	1951
1.966		4331	3762
2.03		6054	6311
2.111		9705	22240
2.149		19142	22580
2.295		78138	60583
2.391		30618	25633
2.404		31008	20934
2.434		7176	8197
2.48		11344	7140
2.551		13154	10774
2.576		18344	16976
2.637		17263	12969
2.668		14760	11359
2.76		16215	13634
2.846		64065	59940
2.933		24206	30260
2.955		4543	3787
3	TCX	15843910	9880503
3.1		13534	11828
3.148		258495	218574
3.181		3108	1566
3.203		346707	314467
3.252		1305929	917754
3.329		26148	13008
3.345		165290	100645
3.386		5917	3981
3.408		8288	7364
3.467		1375238	805645
3.484		710346	370246
3.521		172996	98932
3.537		38299	14097
3.549		94841	47810
3.582		1625362	1173927
3.619		10068	5079
3.634		10874	5838
3.658		86853	58503
3.692		379063	217184
3.707		196280	100861
3.75		939944	472661
3.762		1659904	818005
3.801		1774866	1410936
3.861		1639878	1203460
3.902		142455	98190
3.93		1096472	810957
3.956		768187	669168
3.98		207652	112733
4.056		1201986	871663
4.081		432558	290412
4.112		489811	355075
4.146		1246227	1223587
4.187		414880	328608

RT A	Compound A	Height A	Area A
4.234		59229	52003
4.273		92128	68448
4.309		1145133	845459
4.328		246872	132599
4.352		322758	252376
4.421		200206	171200
4.465		1280196	1228054
4.5		53255	36743
4.562		23463	19054
4.603		247987	242449
4.657		142755	98794
4.673		359946	245475
4.718		786211	715325
4.766		1250542	1392051
4.804		311386	221737
4.844		2749347	2549607
4.887		49950	41105
4.931		412560	432917
4.965		56222	41079
4.991		446525	409178
5.043		2615814	3384851
5.095		569664	507713
5.134		1162809	1310896
5.176		17543	9062
5.213		238605	285450
5.247		2518161	2278433
5.269		78979	38617
5.288		38697	16938
5.314		1367483	1254221
5.356		860873	815369
5.45		332868	266839
5.475		1563913	1385614
5.53		914564	801229
5.569		507561	499287
5.611		135311	125299
5.653		514924	550536
5.709		3589387	4034801
5.844		1538	348
5.912		2283549	2119689
5.944		65704	49683
5.966		564070	658024
6.102		238126	234758
6.167		20319	31075
6.181		329396	264073
6.291		2513	1056
6.335		785015	839243
6.38		48326	42519
6.483		1637	409
6.503		1182	505
6.536		285684	298188
6.628		1591	335
6.684	DCB	4974687	5157478
6.93		2100	570
6.943		1470	851
6.985		1854	739
7.229		1271	751
7.248		1326	486
7.291		1452	478
7.35		873	531
7.398		2021	438
7.422		1701	484
7.486		1430	529
7.601		1303	425
7.71		1403	953
7.806		1485	554
7.854		1775	800

RT A	Compound A	Height A	Area A
7.902		1417	778
8.008		1831	529
8.017		1401	593
8.06		1707	384
8.071		1611	647
8.224		1328	410
8.409		1762	1044
8.477		2226	671
8.663		2128	875

LANCASTER LABORATORIES

Sample Number: AR1641724B ZEAR164ZE CCAL 1725799999 10736 SW-846 8082
Injected On: 9/15/2017 10:04:38 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0072.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.552		7577	5342
1.656		10730	10370
1.76		16869	14972
1.816		5448	14602
1.866		17191	16481
1.924		2379	1513
1.966		91482	86437
2.03		20716	33492
2.071		19830	13019
2.092		25629	15624
2.171		23229	20008
2.223		3732	6256
2.27		28619	23466
2.336		22586	19911
2.367		21324	14785
2.425		2121	1742
2.463		21711	17237
2.514		10247	18166
2.556		25771	24020
2.582		70875	50892
2.652	TCX	16529180	9944794
2.695		121705	88210
2.737		15582	14711
2.823		319515	220443
2.869		153560	70910
2.883		237032	119148
2.911		9061	5890
2.935		1403501	865010
2.986		41786	32359
3.046		192899	122180
3.078		9974	8909
3.143		1777755	1728969
3.194		217178	133285
3.215		113695	64434
3.241		144629	84451
3.264		1693957	1133213
3.302		77679	48409
3.328		9074	3807
3.347		431989	230968
3.363		250923	118909
3.391		4198	2238
3.413		830382	399844
3.422		1793733	771651
3.442		73990	25783
3.457		1650629	1145488
3.53		1811732	1135666
3.565		1228960	782654
3.589		1330681	768918
3.607		442798	214830
3.692		1546546	1009118
3.715		578115	315641
3.736		546153	327427
3.766		371237	194479
3.784		1204757	736742

3.826		455003	330559
3.873		79098	77170
3.896		299511	178143
3.918		1649749	1062134
3.942		313114	185424
3.962		59693	29049
3.982		195352	125156
4.017		1283422	902868
4.052		65911	37403
4.067		128715	72525
4.113		6228	3617
4.13		13839	9338
4.155		138019	173629
4.197		7031	3341
4.221		351543	250656
4.263		393018	242595
4.282		307928	148476
4.295		934700	525348
4.32		504468	533326
4.373		2949258	2180567
4.417		53931	50184
4.444		230765	151829
4.468		617440	438897
4.511		3170496	2474654
4.614		2482813	2531476
4.668		349603	287695
4.707		751144	629410
4.743		2932774	2554675
4.776		1637615	1146160
4.815		1062930	845075
4.914		380708	374734
4.966		1952054	1564636
4.99		232680	148192
5.04		1044335	924099
5.076		509119	392312
5.106		359088	303829
5.138		114467	67321
5.16		4114440	3394294
5.201		66524	46666
5.234		254986	205623
5.352		44724	27331
5.375		840662	693189
5.419		2412184	2831190
5.575		192294	169089
5.621		44158	29362
5.644		198981	158135
5.693		430344	405833
5.8		773266	692083
5.83		33688	24452
6		296970	283249
6.16	DCB	5700395	5628782
6.61		4759	4341
7.264		1258	1420
8.298		8563	14508

AR1641724B ZEAR164ZE CCAL 1725799999 10736 SW-846 808

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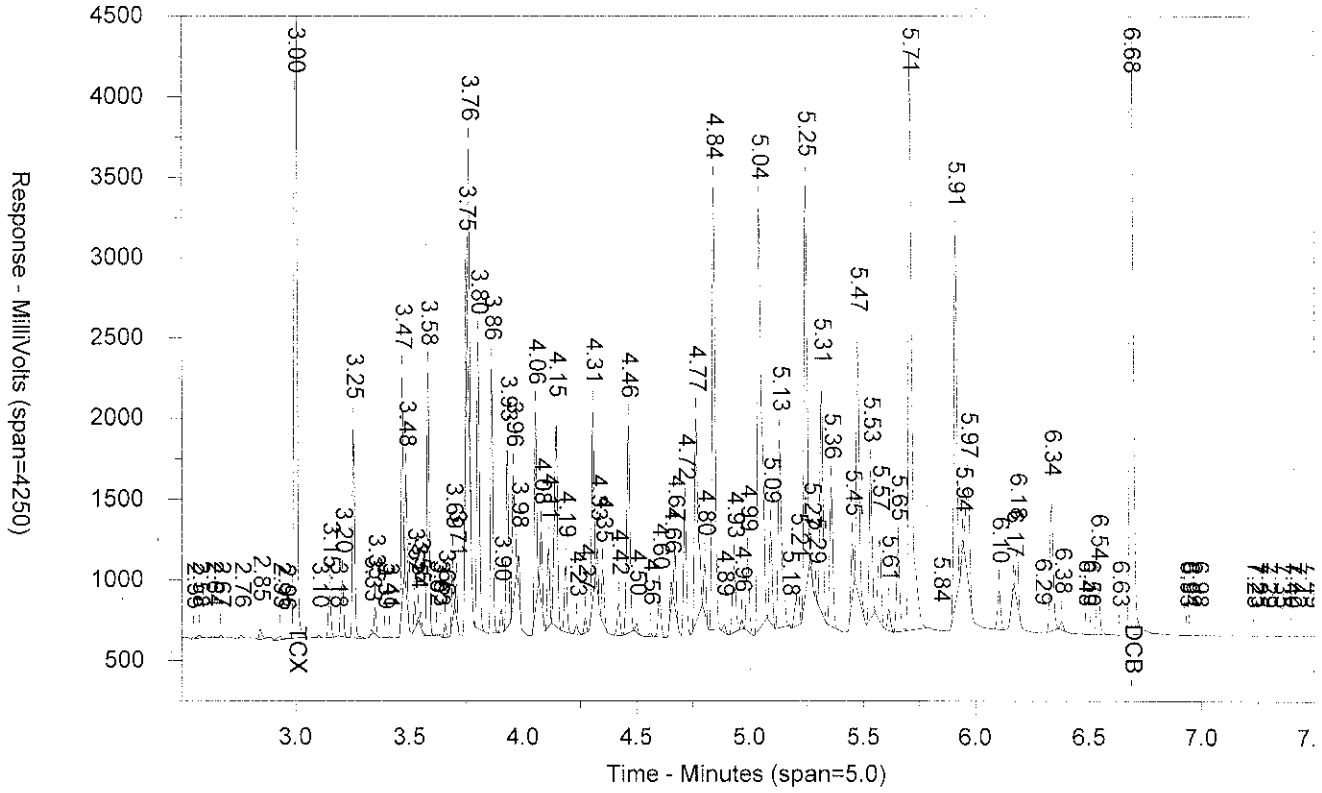

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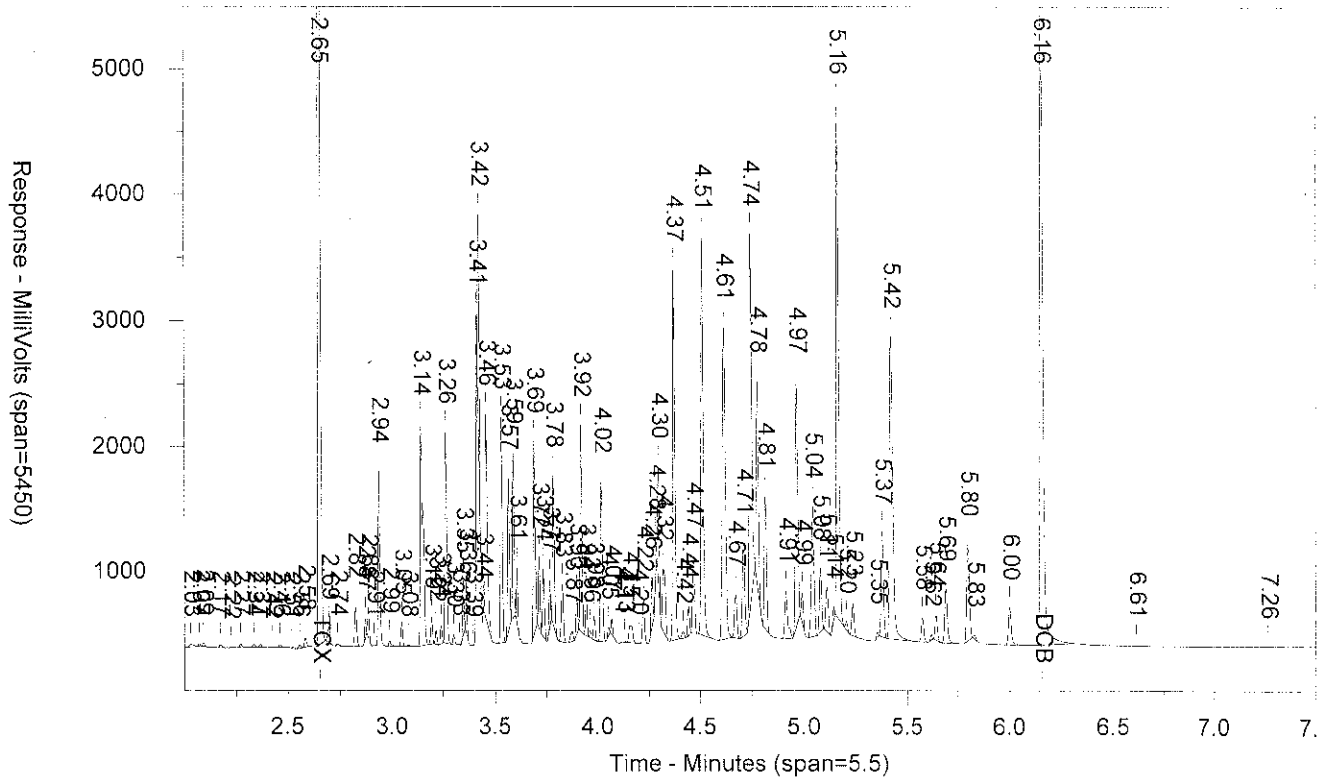

LANCASTER LABORATORIES

Sample Number: AR1641724B ZEAR164ZE CCAL 1725799999 10736 SW-846 8082
Injected On: 9/15/2017 10:04:38 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	15843910	41.859	TCX	2.652	16529180	42.533	TCX
6.684	4974687	36.855	DCB	6.16	5700395	35.783	DCB

Files:
Area File: 07pcbs17250007.0072.RAW
Area File: 07pcbs17250007B.0072.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 10:13:21 PM
File Reported On: 9/15/2017 at 10:13:29 PM

AR1641724B ZEAR164ZE CCAL 1725799999 10736 SW-846 808

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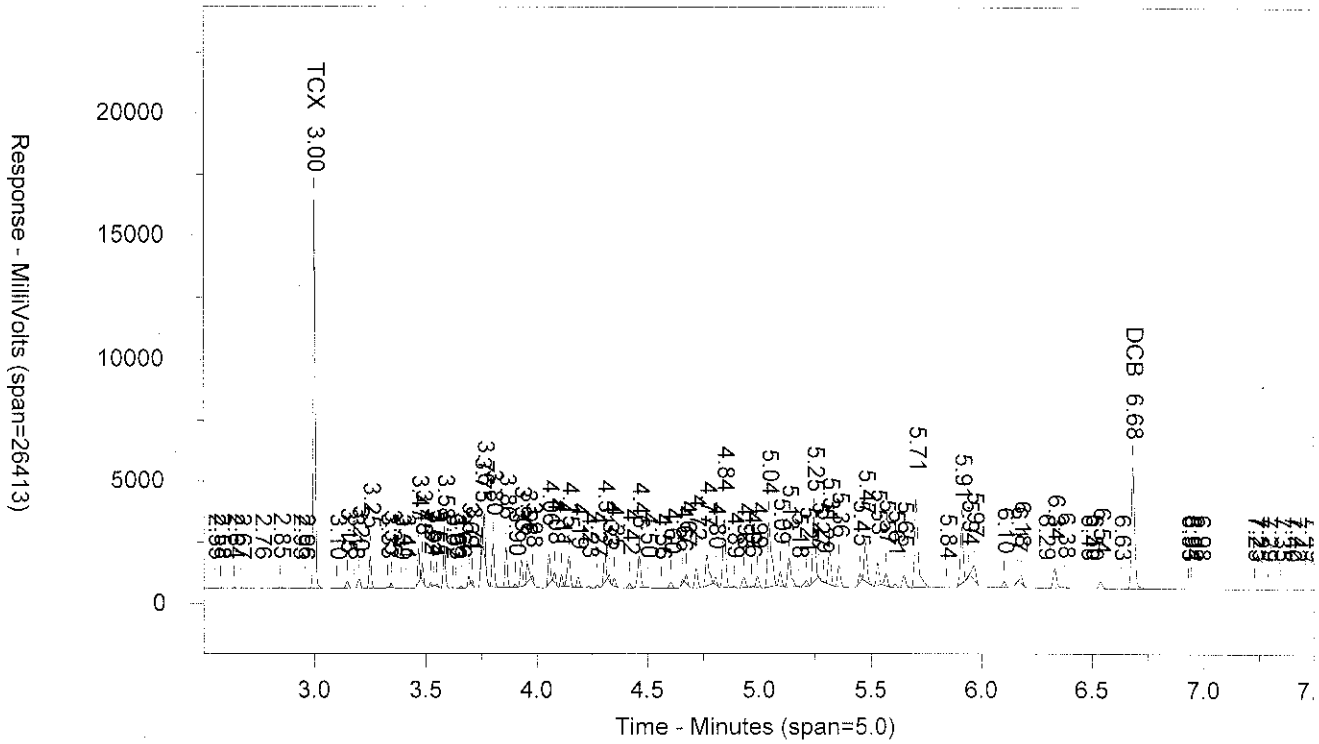

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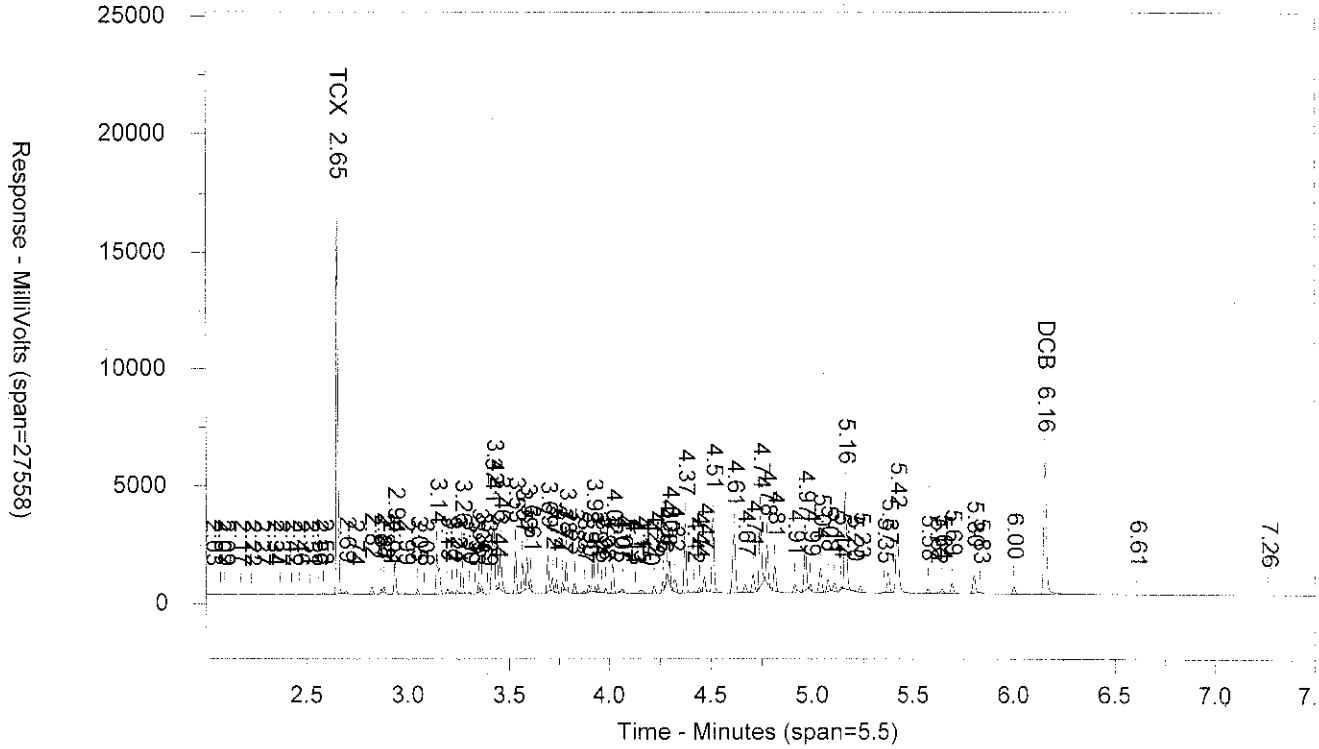

AR1641724B ZEAR164ZE CCAL 1725799999 10736 SW-846 808

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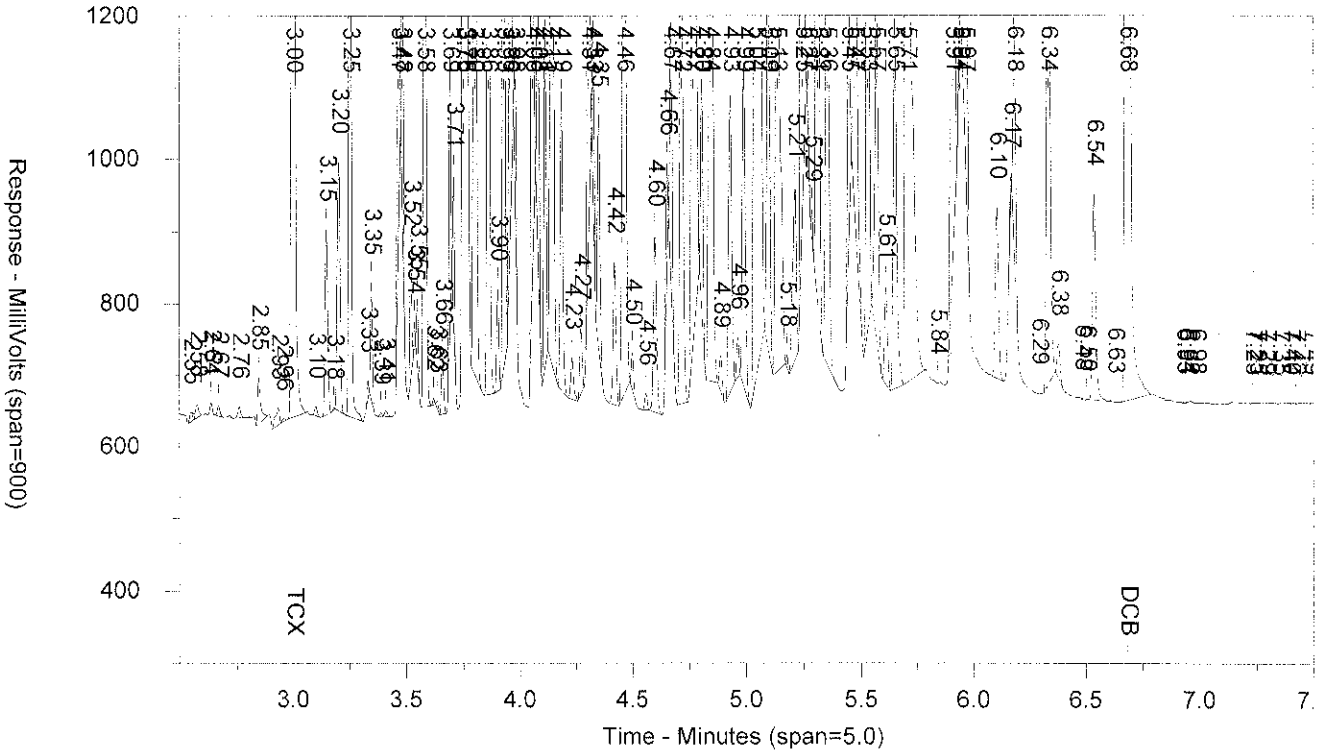

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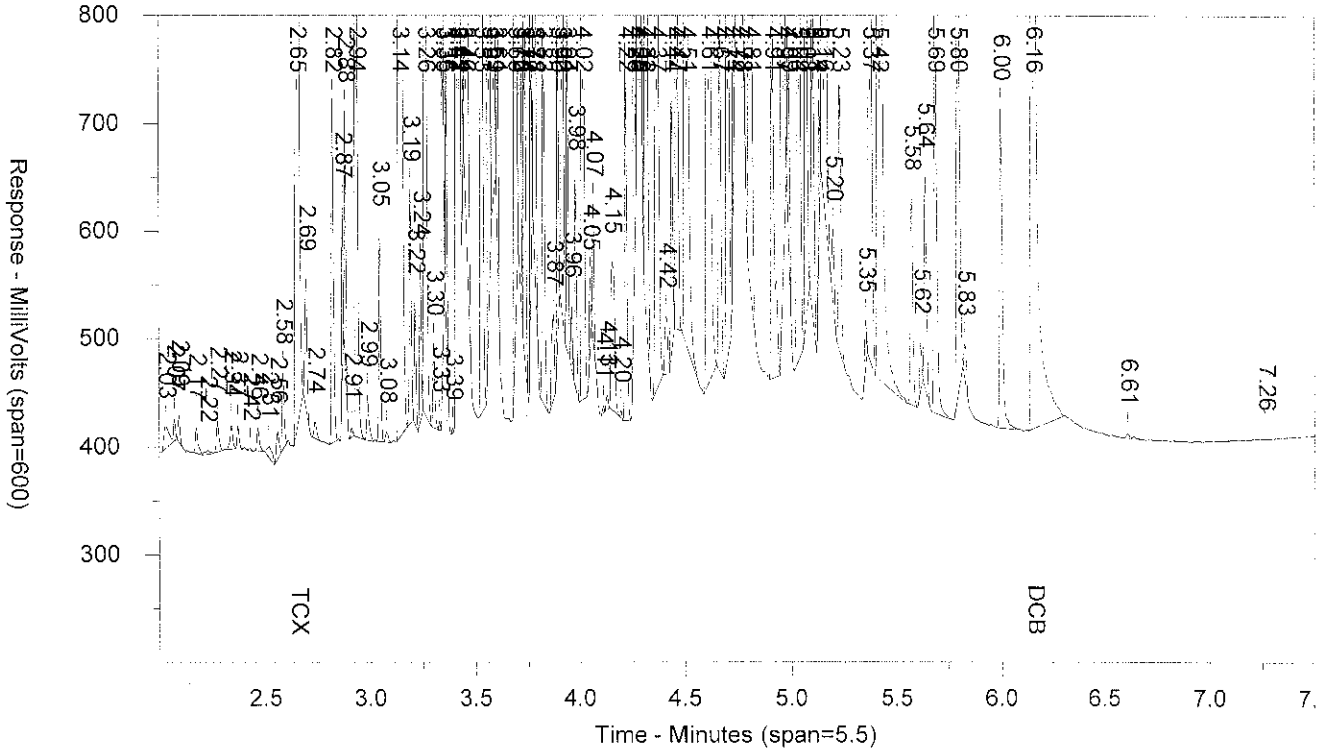

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZLPIBLKZL PIBLK1725799999 10736 SW-846 8082
Injected On: 9/15/2017 10:16:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0073.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.637		12334	18096
1.666		6897	11080
2.031		3663	5331
2.111		14266	27980
2.149		29286	75239
2.218		4688	3716
2.295		38090	29427
2.391		33053	22602
2.433		6760	6997
2.551		13450	14572
2.577		8716	11168
2.667		3976	2599
2.844		44386	34048
2.932		18617	35408
2.963		3364	4217
3	TCX	7588267	4799110
3.197		114215	73646
3.329		27501	25636
3.668		4609	5729
3.737		3363	2261
3.797		3243	2107
3.844		2213	1435
3.871		944	223
3.888		726	124
3.904		1108	323
3.914		1023	179
3.927		1311	657
3.995		3322	3612
4.13		1657	673
4.187		1694	911
4.249		11391	11242
4.329		3875	3182
4.36		6721	6950
4.395		2448	1668
4.462		2092	2258
4.681		2431	2804
4.703		1667	496
4.796		1459	1221
4.844		3448	3708
4.917		973	333
4.967		17050	17279
5.048		2501	4950
5.124		1394	663
5.206		27448	26368
5.245		2242	1422
5.33		1104	422
5.394		2626	3261
5.455		1868	1106
5.501		1523	1315
5.555		2122	1003
5.61		22078	21921
5.642		1270	406
5.732		59712	64628

RT A	Compound A	Height A	Area A
5.82		2820	2840
5.846		1404	1233
5.876		1164	852
5.913		5616	5791
5.935		1104	373
5.96		5131	9206
6.027		2486	3783
6.044		1481	520
6.101		108071	103717
6.164		121340	145199
6.287		1464	664
6.458		1762	1015
6.492		1341	1014
6.535		47557	45666
6.681	DCB	2404977	2564238
6.792		1844	467
6.893		1877	965
7.05		1584	649
7.113		1589	587
7.207		1568	996
7.238		1850	598
7.258		1730	601
7.298		2047	319
7.307		1614	784
7.37		1302	455
7.398		2314	744
7.463		1466	495
7.569		1095	480
7.606		1437	1474
7.66		1258	482
7.891		1529	1411
7.939		1296	618
8.004		1274	482
8.058		1919	496
8.065		1498	337
8.11		1449	465
8.192		1657	860
8.391		1258	452
8.446		1599	1143
8.492		967	433
8.556		1267	760
8.589		2331	822
8.693		1185	570

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZLPIBLKZL PIBLK1725799999 10736 SW-846 8082
Injected On: 9/15/2017 10:16:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0073.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.615		1660	1039
1.657		1953	3406
1.761		5604	5251
1.805		4090	4621
1.865		3248	3847
1.964		46310	51711
2.032		18054	30944
2.071		6028	5138
2.091		13518	9222
2.172		5069	5633
2.224		1093	1635
2.27		10447	10239
2.332		4482	6184
2.367		3950	2707
2.462		5285	3617
2.511		10430	24295
2.557		15367	18460
2.583		63478	49792
2.652	TCX	7979629	4875875
2.737		4645	4656
2.821		4318	4928
2.869		112337	69538
2.908		3536	3315
2.986		21338	17948
3.079		3753	3784
3.109		2661	1950
3.157		3950	5858
3.218		3324	2538
3.328		12347	9225
3.362		4435	3166
3.423		4253	9399
3.465		1806	1352
3.488		2797	1604
3.598		3187	4748
3.751		6052	10541
3.923		3116	6947
3.98		14884	13703
4.018		1575	1695
4.064		13721	12991
4.114		5391	8123
4.274		4705	13377
4.376		2016	1706
4.464		1082	2561
4.486		15524	11238
4.568		1224	1509
4.613		3347	2573
4.667		2452	1701
4.688		2718	1362
4.715		29033	21535
4.966		3149	2373
5.033		4388	4698
5.111		21605	16888
5.161		3199	2889
5.233		59693	50147

5.274		4353	3205
5.392		1611	949
5.575		84391	74509
5.644		97774	86452
5.693		20228	18735
5.798		2010	1470
6		51351	47899
6.159	DCB	2903636	2904682
8.297		7882	13343

IBLKX1724B ZLPIBLKZL PIBLK1725799999 10736 SW-846 8082

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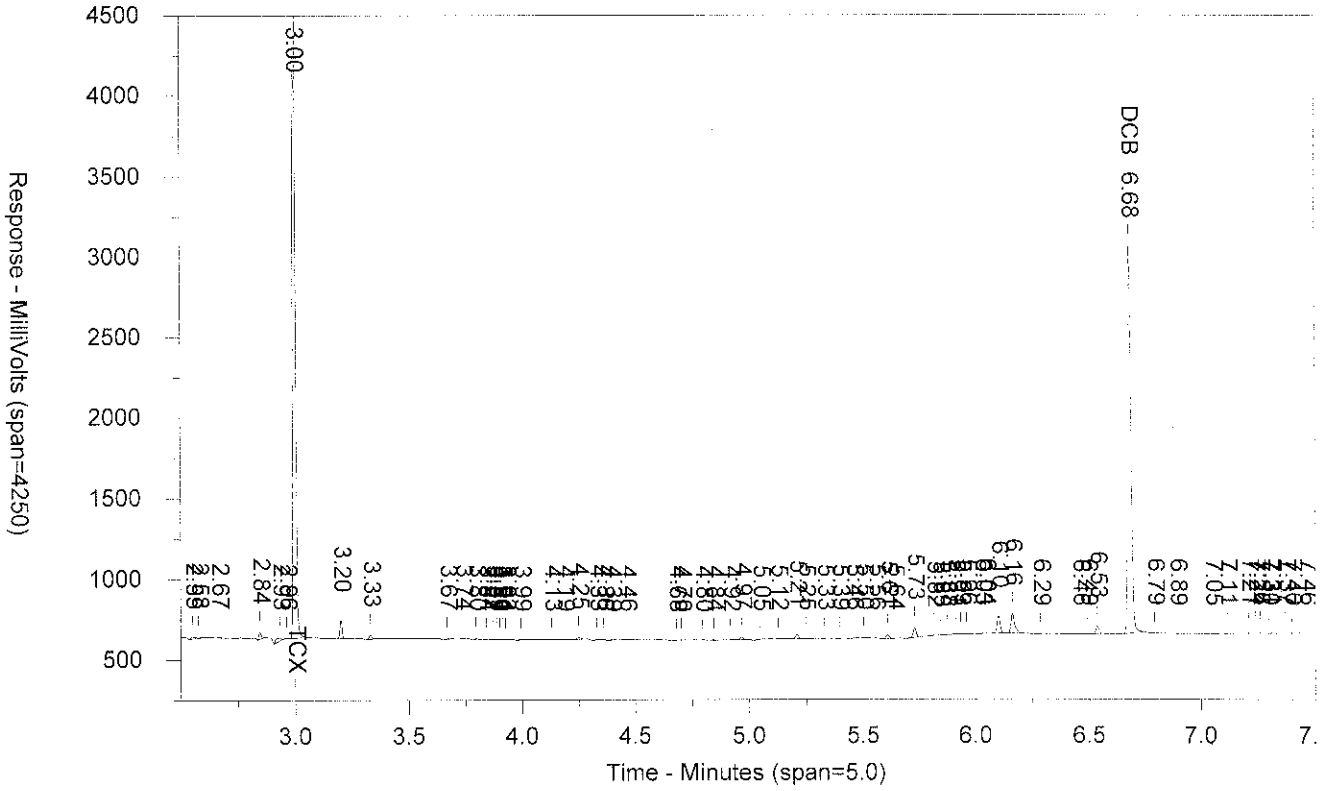

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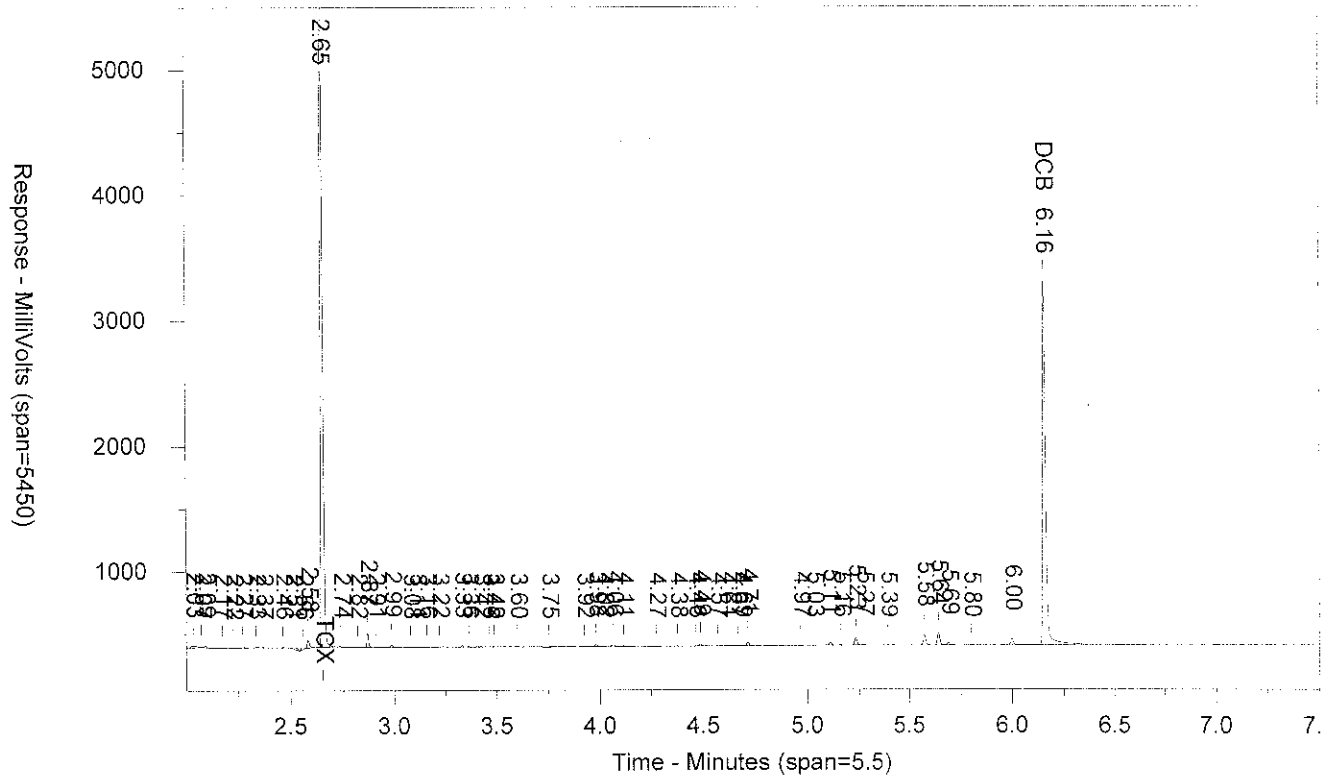

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZLPIBLKZL PIBLK1725799999 10736 SW-846 8082
Injected On: 9/15/2017 10:16:08 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	7588267	.2	TCX	2.652	7979629	.205	TCX
6.681	2404977	.178	DCB	6.159	2903636	.182	DCB

Files:
Area File: 07pcbs17250007.0073.RAW
Area File: 07pcbs17250007B.0073.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 10:24:53 PM
File Reported On: 9/15/2017 at 10:24:59 PM

IBLKX1724B ZLPIBLKZL PIBLK1725799999 10736 SW-846 8082

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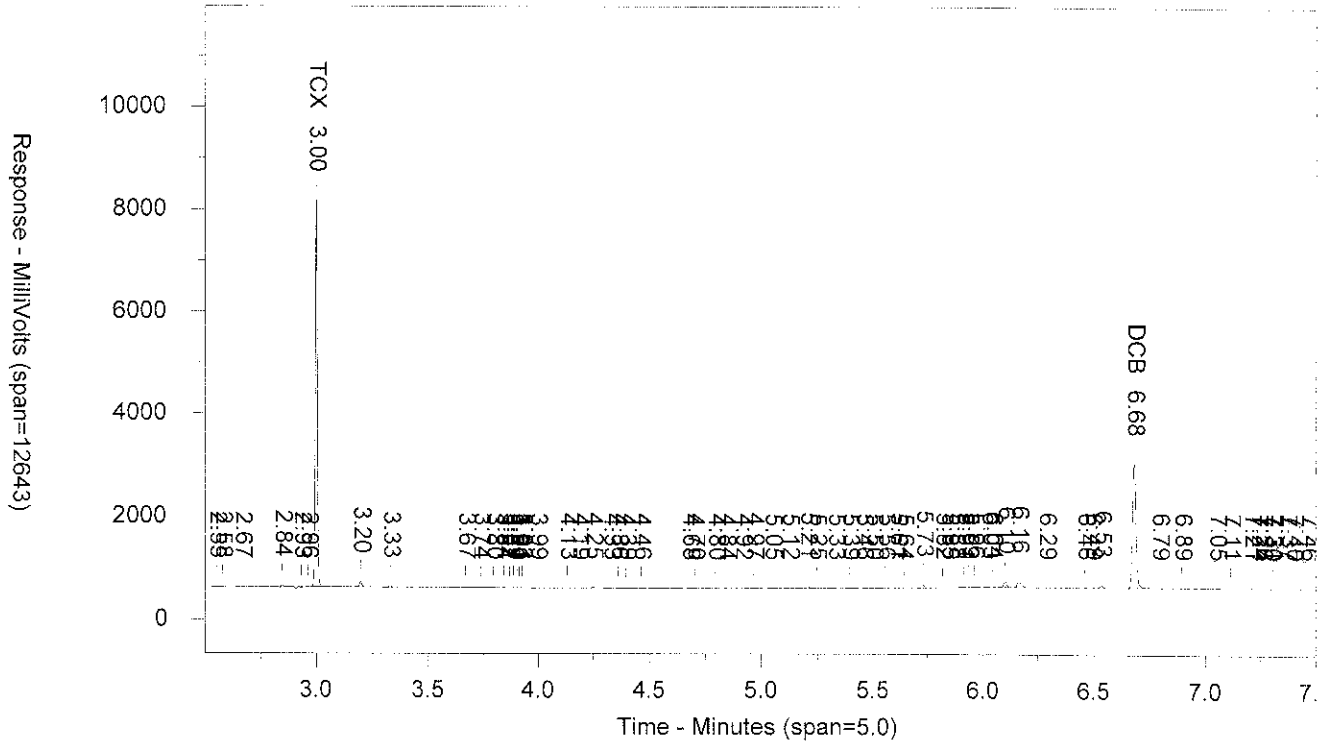

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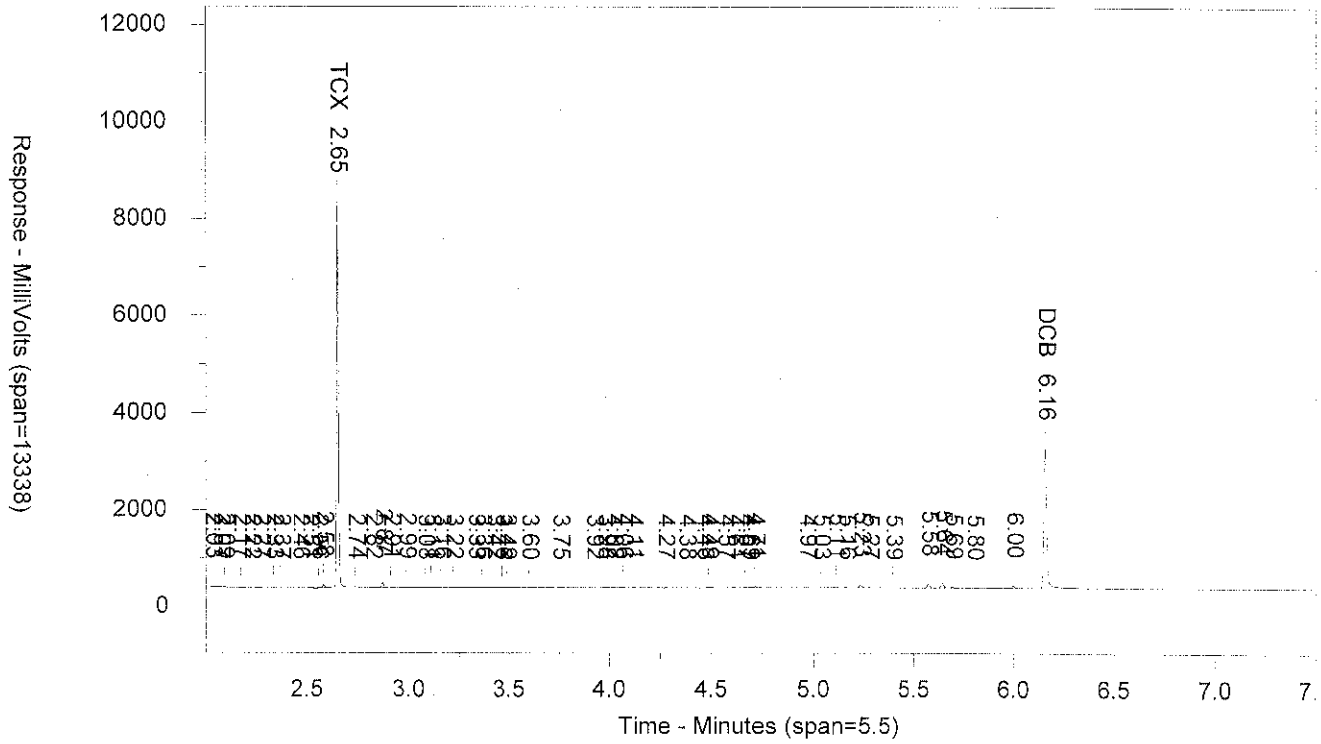

IBLKX1724B ZLPIBLKZL PIBLK1725799999 10736 SW-846 8082

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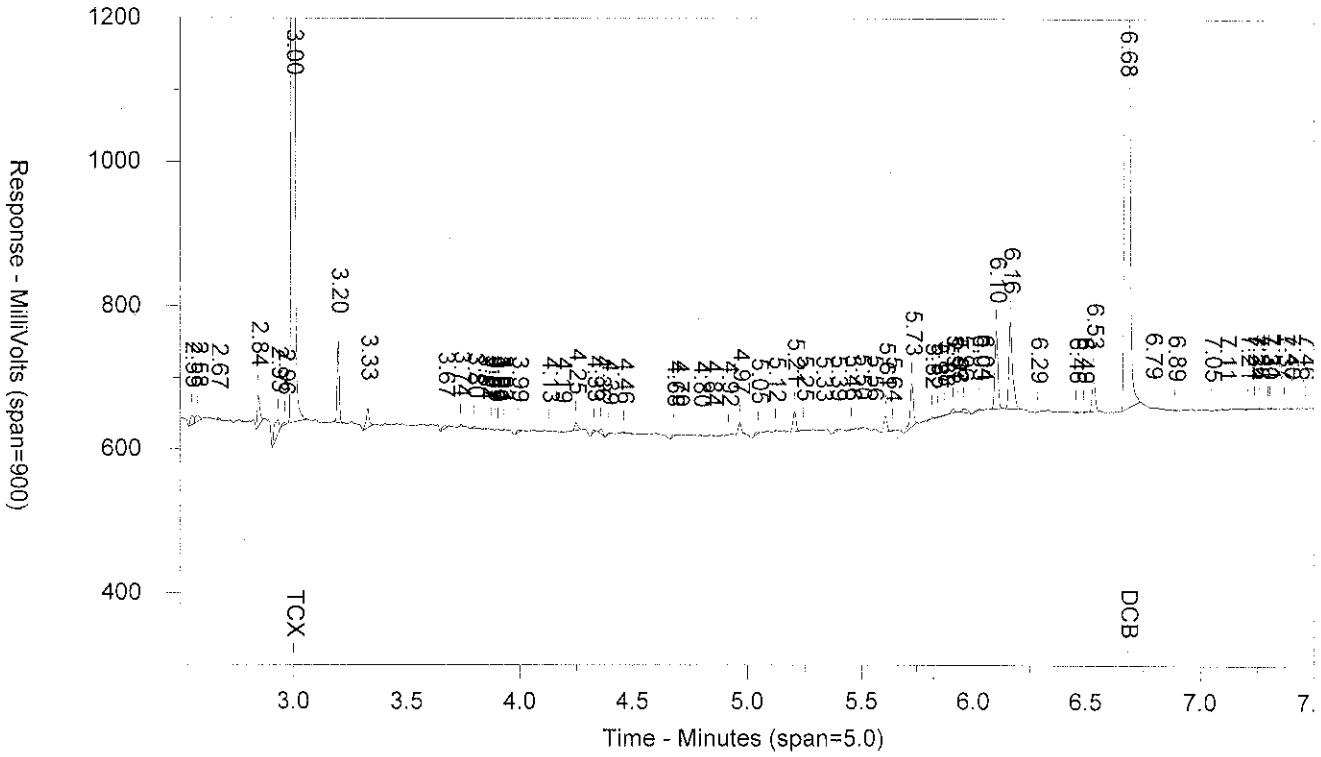

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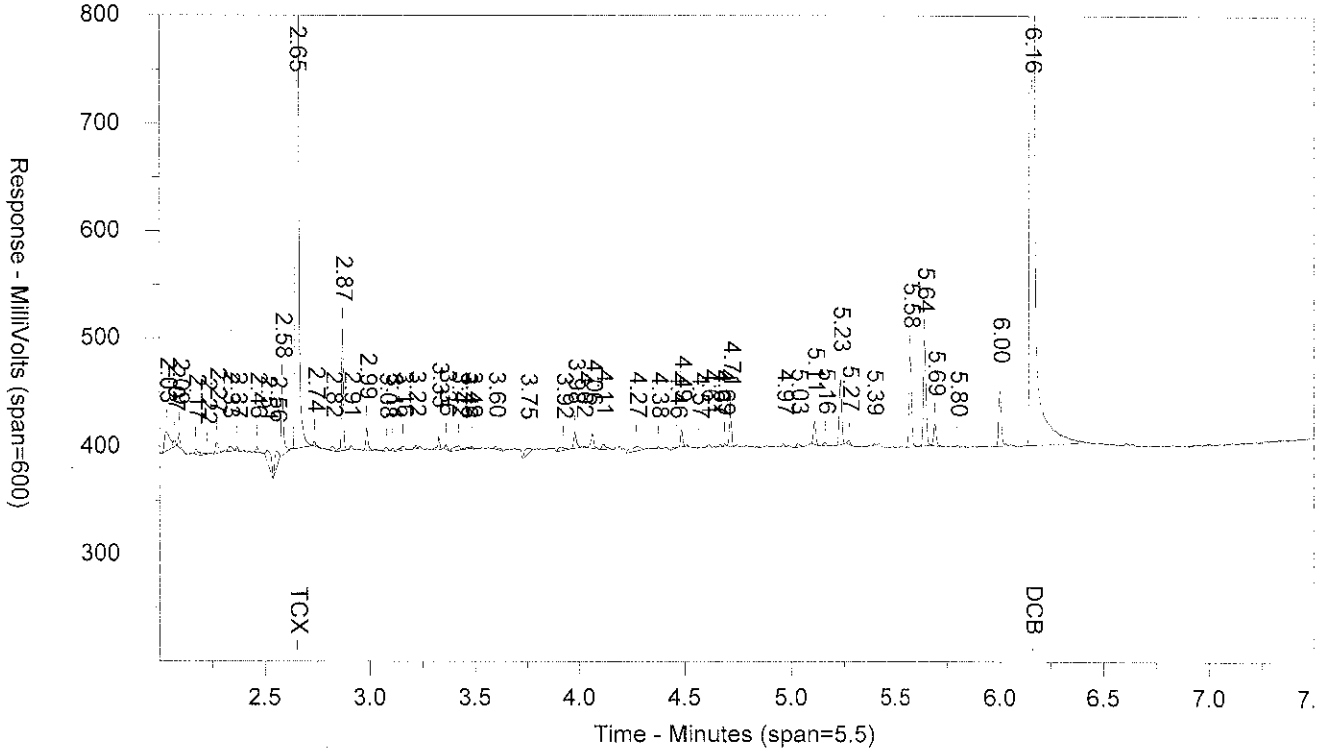

LANCASTER LABORATORIES

Sample Number: AR1641724B AMAR164AM CCAL 1726099999 10736 SW-846 8082
Injected On: 9/18/2017 6:53:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.667		7350	47176
2.104		22642	44015
2.147		24922	48093
2.295		71877	51181
2.391		22598	14475
2.404		26794	18401
2.435		8148	7772
2.553		13525	17351
2.635		15274	10624
2.844		21195	15376
2.925		41652	61120
2.953		10284	9609
2.999	TCX	15433070	9623079
3.147		227523	197395
3.201		346971	317217
3.25		1241754	860649
3.327		29221	15350
3.344		158414	99306
3.385		4401	2965
3.466		1314791	787155
3.483		684826	364013
3.519		172549	99309
3.536		30898	11691
3.547		94750	47577
3.581		1581941	1135646
3.616		8265	4556
3.633		11938	6838
3.656		73449	47163
3.69		380616	211430
3.705		192171	97250
3.749		962581	526257
3.761		1489001	761602
3.799		1803263	1384546
3.859		1562664	1192414
3.901		141339	97592
3.928		1098462	805457
3.956		801576	646309
3.978		218903	116825
4.054		1200098	854874
4.079		430627	285252
4.111		496271	350256
4.145		1246668	1194841
4.185		404036	324947
4.233		58696	51208
4.272		85444	64474
4.307		1097471	820627
4.326		244669	135780
4.35		319724	250043
4.42		193743	165607
4.464		1257922	1186511
4.498		45876	30761
4.561		15895	12275
4.602		157504	149199

RT A	Compound A	Height A	Area A
4.655		140756	96103
4.672		366333	249871
4.717		778668	697736
4.765		1218830	1358071
4.802		296024	210215
4.842		2757049	2489829
4.886		23024	17797
4.929		402050	412149
4.962		33267	22714
4.99		443552	417422
5.042		2595166	3314124
5.093		532732	499278
5.133		1146558	1285329
5.174		12317	5938
5.212		229579	265535
5.245		2493448	2236312
5.267		87601	47287
5.286		41242	16559
5.311		1372050	1265037
5.354		827363	806926
5.448		321483	264341
5.473		1565165	1404965
5.529		870702	798859
5.568		485643	483455
5.61		103690	99538
5.651		491470	532726
5.707		3536791	3887898
5.845		1606	981
5.911		2104725	2045272
5.943		85031	65288
5.966		531412	600594
6.1		189553	183668
6.18		483939	759062
6.29		2570	1893
6.334		792629	838843
6.379		49158	40784
6.535		276286	297432
6.681	DCB	5053175	5172609
7.064		1742	525
7.14		2075	1080
7.236		1781	607
7.303		1941	493
7.349		1663	668
7.374		1652	683
7.415		1357	524
7.538		1371	356
7.563		1469	353
7.637		1450	626
7.729		1380	360
7.771		1627	1731
7.812		1680	823
7.868		1280	602
7.917		1718	662
8.066		1203	750
8.088		2062	517
8.242		1317	1012
8.277		1742	534
8.348		1591	601
8.362		1286	470
8.383		2102	1127
8.41		1339	841
8.445		1541	977
8.613		1925	850

LANCASTER LABORATORIES

Sample Number: AR1641724B AMAR164AM CCAL 1726099999 10736 SW-846 8082
Injected On: 9/18/2017 6:53:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.848		4064	3442
1.907		4140	12376
1.965		77141	72986
2.032		14698	26280
2.091		28202	19974
2.222		2386	3527
2.27		8740	10683
2.336		19391	23392
2.51		13814	37673
2.582		44989	81868
2.607		2594	1233
2.652	TCX	15873760	9596624
2.695		117754	84603
2.822		279608	187758
2.848		3006	1560
2.869		143276	67284
2.883		228295	117291
2.935		1348419	840136
2.985		41613	25033
3.046		188398	122927
3.142		1687635	1679879
3.193		217813	131260
3.214		102721	58381
3.24		140380	81584
3.264		1691601	1099320
3.3		65753	39731
3.327		8413	3876
3.347		422962	226544
3.362		235386	115913
3.389		2780	1138
3.412		972540	441199
3.421		1761287	753026
3.441		72238	24690
3.455		1649369	1118125
3.529		1776565	1111849
3.564		1264589	773215
3.588		1329228	740518
3.606		426260	215279
3.691		1513903	999850
3.714		588652	311280
3.735		526022	320737
3.765		347113	189233
3.783		1185651	730277
3.825		443077	323395
3.872		64999	58208
3.894		290838	171807
3.916		1613830	1040840
3.941		310774	184983
3.961		57594	27860
3.981		196566	122984
4.016		1287366	878990
4.051		51749	31232
4.066		116571	68429
4.112		3434	1766

4.128		10790	7072
4.162		105347	113161
4.219		337719	244668
4.262		386220	228847
4.28		276185	132434
4.294		919802	513910
4.319		503345	526954
4.372		2776645	2132524
4.418		40346	34818
4.442		227394	147256
4.467		608819	446977
4.51		3054379	2479397
4.613		2560719	2465525
4.666		335678	271070
4.705		704346	608273
4.741		2900001	2450794
4.774		1648340	1119882
4.813		1040492	837990
4.913		379431	368918
4.963		1992166	1531785
4.987		211819	137459
5.038		985313	908803
5.074		498681	386698
5.104		346270	285626
5.136		109040	61358
5.158		3924752	3313213
5.199		64890	44641
5.231		204395	158068
5.35		45928	28336
5.373		833896	679933
5.418		2423606	2768350
5.573		147481	130228
5.619		38639	26643
5.642		136167	111359
5.691		407187	385334
5.798		770249	667813
5.829		31001	21662
5.998		279819	274083
6.156	DCB	5790332	5581880
6.607		3957	3363
8.294		8206	15239

AR1641724B AMAR164AM CCAL 1726099999 10736 SW-846 80

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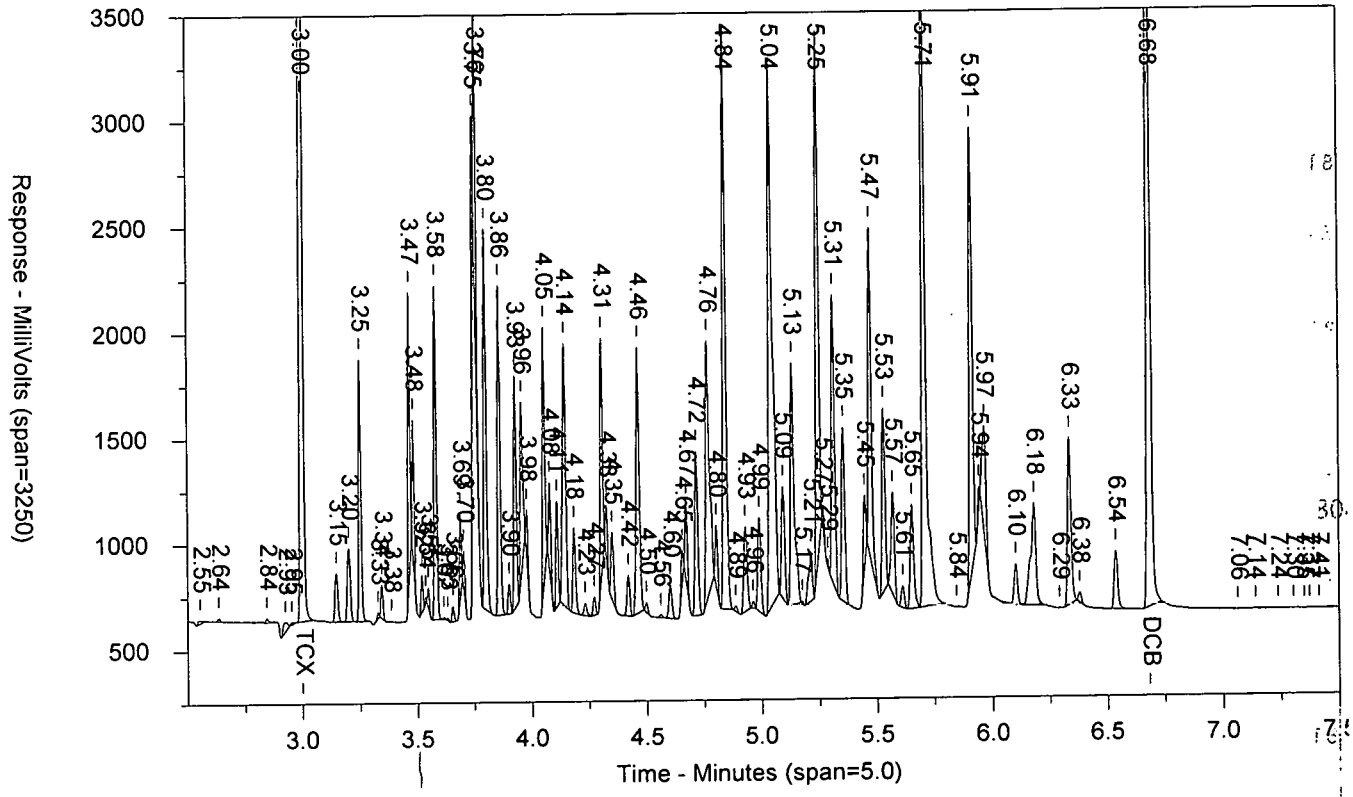

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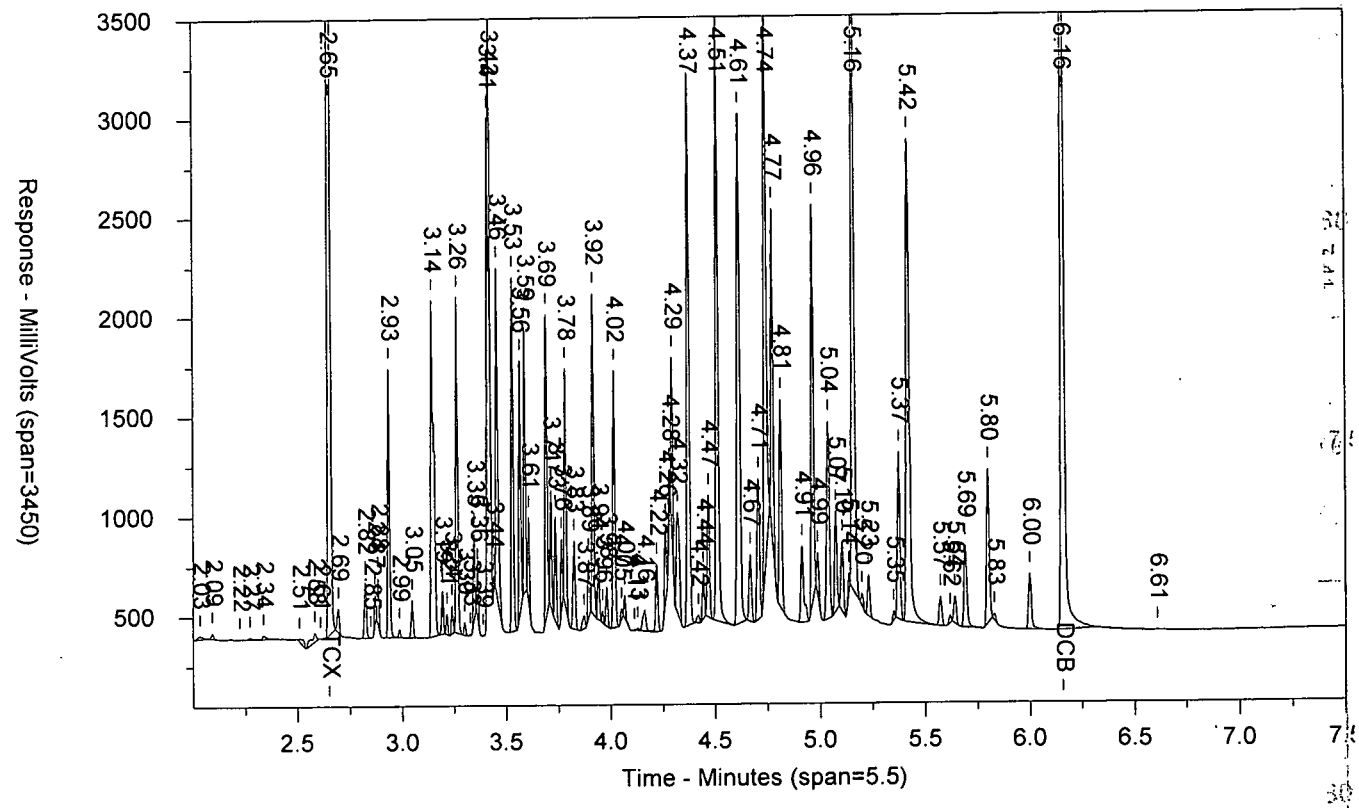

LANCASTER LABORATORIES

Sample Number: AR1641724B AMAR164AM CCAL 1726099999 10736 SW-846 8082
Injected On: 9/18/2017 6:53:31 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	15433070	40.774	TCX	2.652	15873760	40.846	TCX
6.681	5053175	37.437	DCB	6.156	5790332	36.348	DCB

Files:
Area File: 07pcbs17250009.0005.RAW
Area File: 07pcbs17250009B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 7:02:15 PM
File Reported On: 10/4/2017 at 2:10:52 PM

AR1641724B AMAR164AM CCAL 1726099999 10736 SW-846 80

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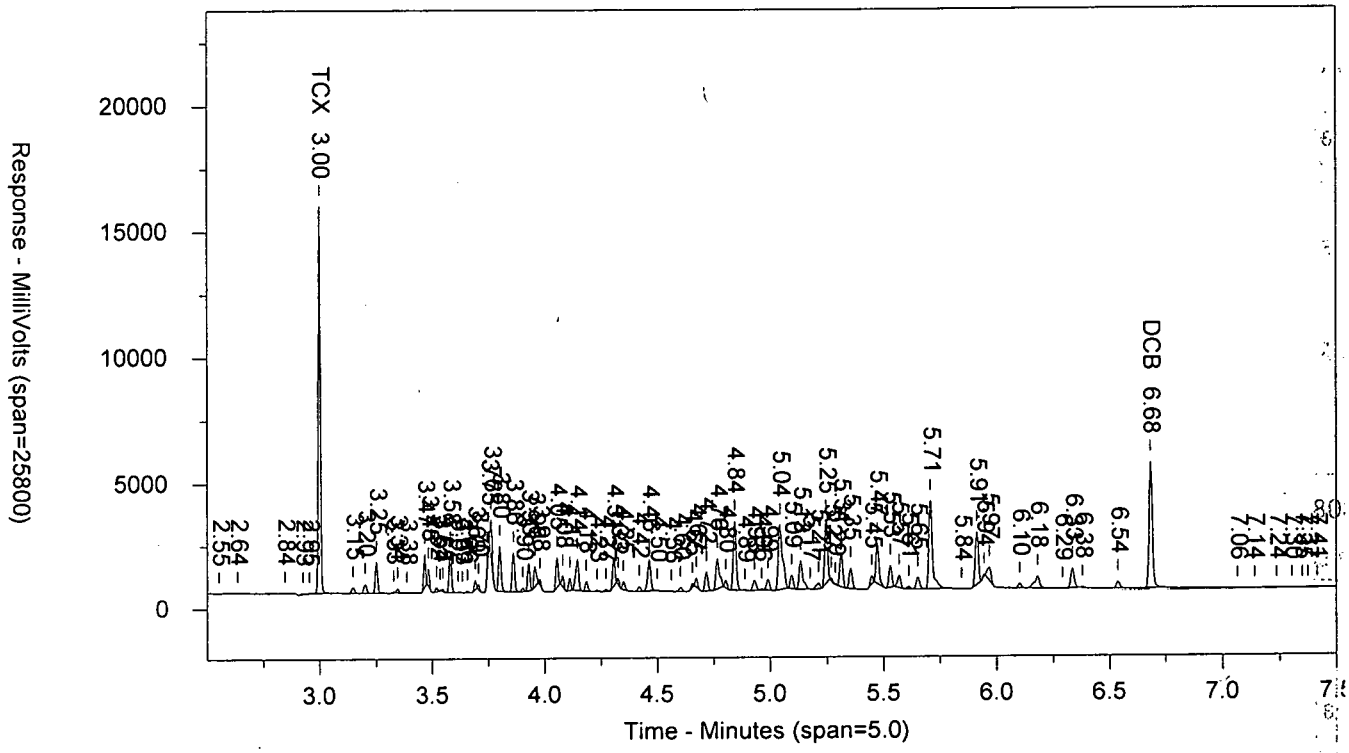

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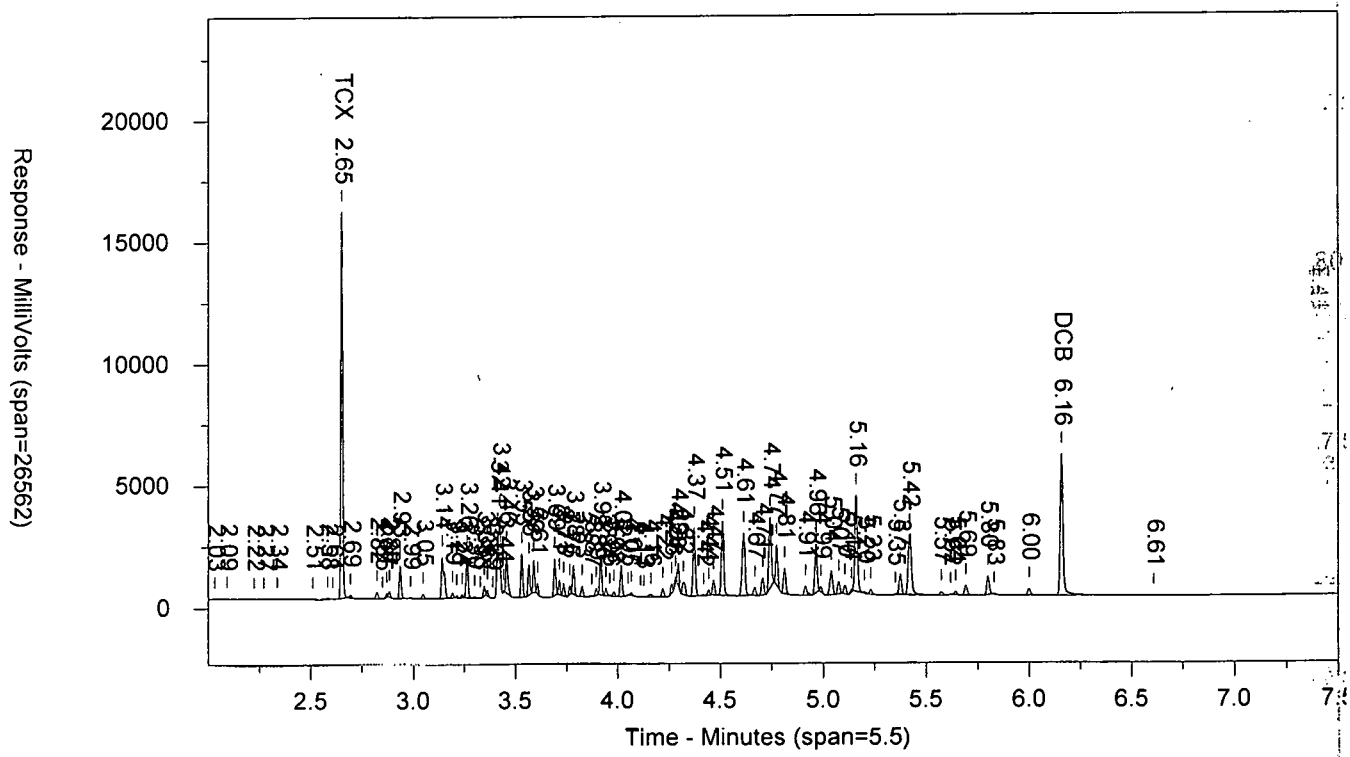

AR1641724B AMAR164AM CCAL 1726099999 10736 SW-846 80

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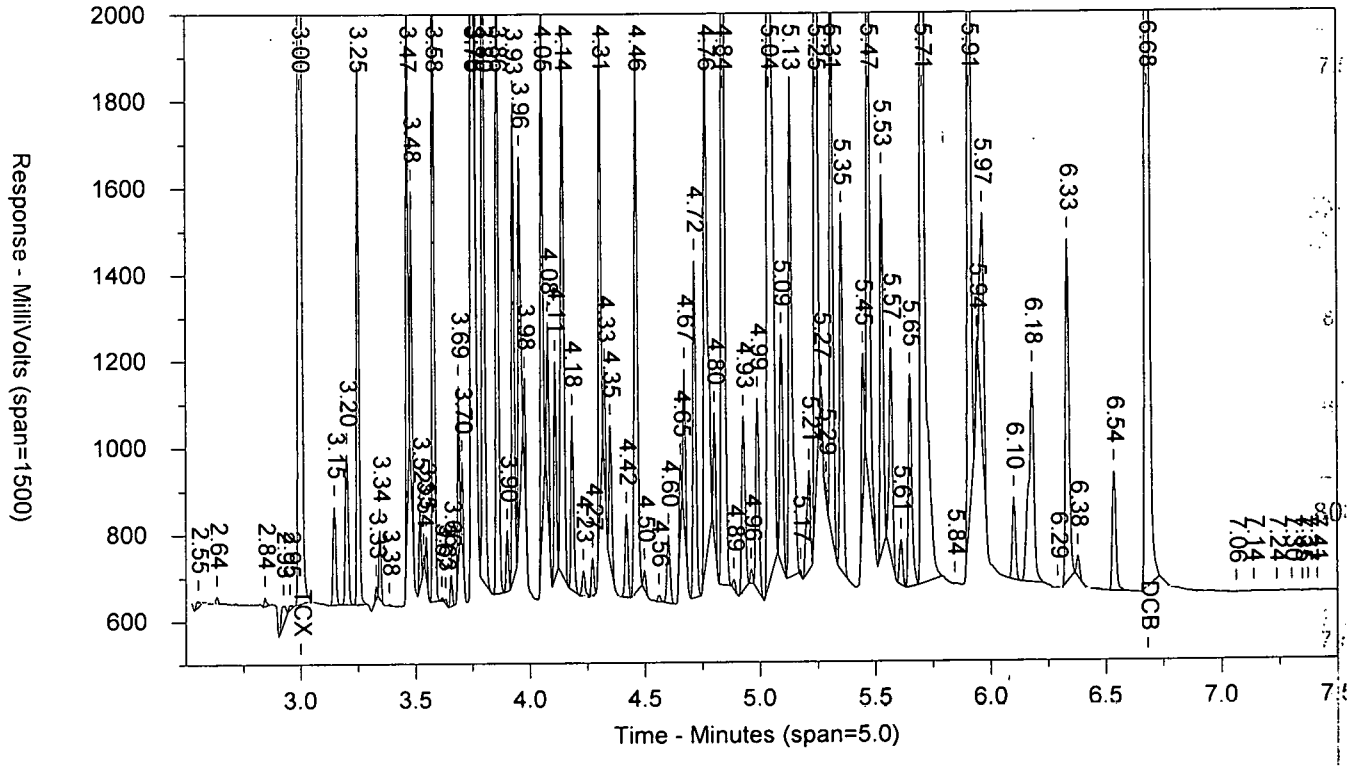

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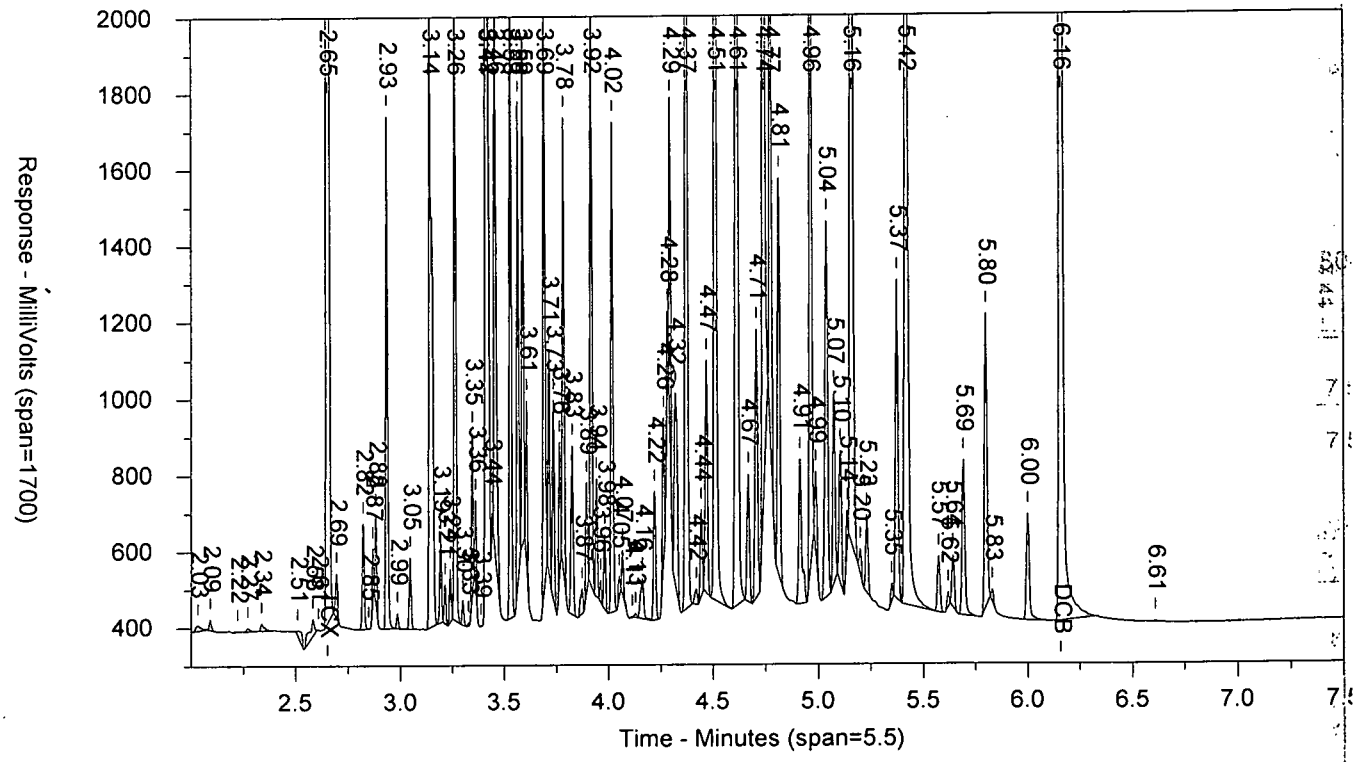

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AYPIBLKAY PIBLK1726099999 10736 SW-846 8082
Injected On: 9/18/2017 7:04:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.658		5233	21256
2.111		9026	20651
2.147		5697	4006
2.295		34712	23031
2.391		27132	15617
2.434		7682	7129
2.551		11121	11807
2.822		4998	3512
2.844		34523	26334
2.926		34624	52530
2.961		4222	5240
3	TCX	7407590	4765166
3.197		111933	73029
3.329		26653	25636
3.662		4103	2824
3.739		3729	2431
3.8		2070	1066
3.871		819	347
3.897		906	354
3.903		1054	394
3.926		613	96
3.934		996	392
3.998		3784	5571
4.072		1525	805
4.25		11032	11299
4.331		6094	5606
4.361		4666	4063
4.451		1523	586
4.529		1335	999
4.569		2113	1024
4.684		3894	4754
4.835		1367	500
4.968		7569	7264
5.049		3722	7267
5.088		1294	796
5.124		632	603
5.209		14639	13372
5.389		2048	1564
5.413		1716	666
5.45		1340	676
5.47		1837	762
5.515		5178	8658
5.61		12169	11199
5.732		35568	40932
5.777		1464	1395
5.816		1548	852
5.823		1789	611
5.85		1161	700
5.914		3342	3939
5.939		1690	459
5.958		3149	2784
6.017		1585	1276
6.101		83628	78674

RT A	Compound A	Height A	Area A
6.165		93820	107070
6.303		1414	1640
6.419		1075	697
6.534		48186	51152
6.682	DCB	2549209	2740002
7.006		1147	382
7.145		2144	1543
7.197		1403	415
7.254		1423	529
7.326		1940	825
7.355		1279	584
7.494		1276	1016
7.539		1403	510
7.739		1194	826
7.766		1765	398
7.86		1825	524
7.889		1490	430
7.97		1851	1284
8.047		1404	383
8.111		1111	853
8.413		1875	715
8.468		1800	550

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AYPIBLKAY PIBLK1726099999 10736 SW-846 8082
Injected On: 9/18/2017 7:04:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.832		2119	3832
1.849		1649	886
1.963		46528	52682
2.028		16992	33333
2.092		14120	10471
2.209		2064	3608
2.272		8070	8811
2.346		7235	10228
2.508		15674	44433
2.582		72594	120066
2.627		2968	1720
2.652	TCX	8025691	4815162
2.869		110594	70791
2.985		20163	13305
3.107		2251	1630
3.154		3044	7876
3.329		7118	3763
3.362		5464	4829
3.412		4196	7786
3.485		2270	1862
3.511		2042	4288
3.594		2530	2437
3.812		2587	16072
3.908		3076	5439
3.979		12603	11843
4.064		10753	10643
4.114		5081	7827
4.258		628	1958
4.274		2080	1347
4.445		1347	863
4.485		7362	7048
4.715		15395	13558
4.74		1847	2144
4.962		1814	1262
5.031		2830	3127
5.111		9998	8140
5.233		34503	29170
5.272		4641	4468
5.423		4290	4574
5.575		63738	56340
5.643		71686	63941
5.692		11107	9687
5.799		2196	1709
5.999		48017	43034
6.157	DCB	2875515	2767667
6.606		2308	1894
8.29		7564	12870

IBLKX1724B AYPIBLKAY PIBLK1726099999 10736 SW-846 8082

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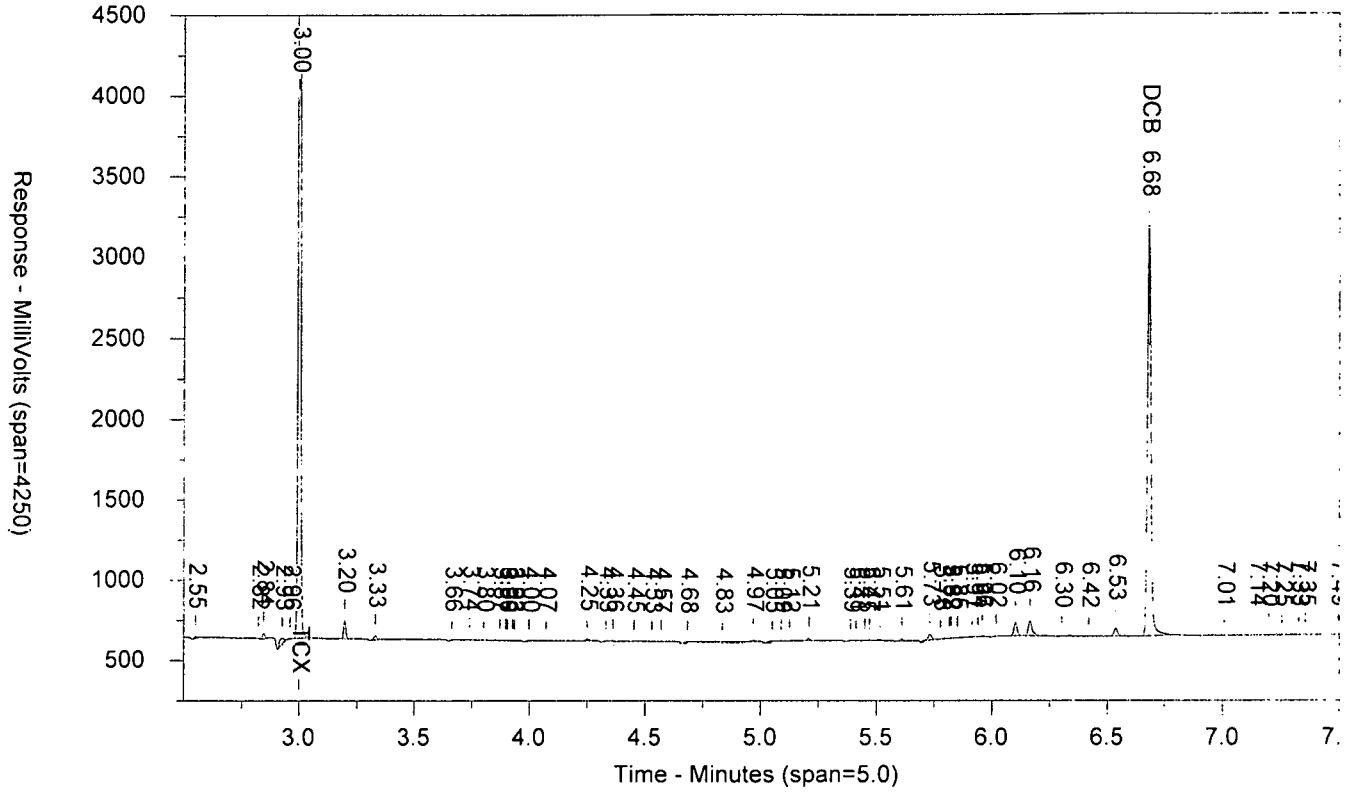

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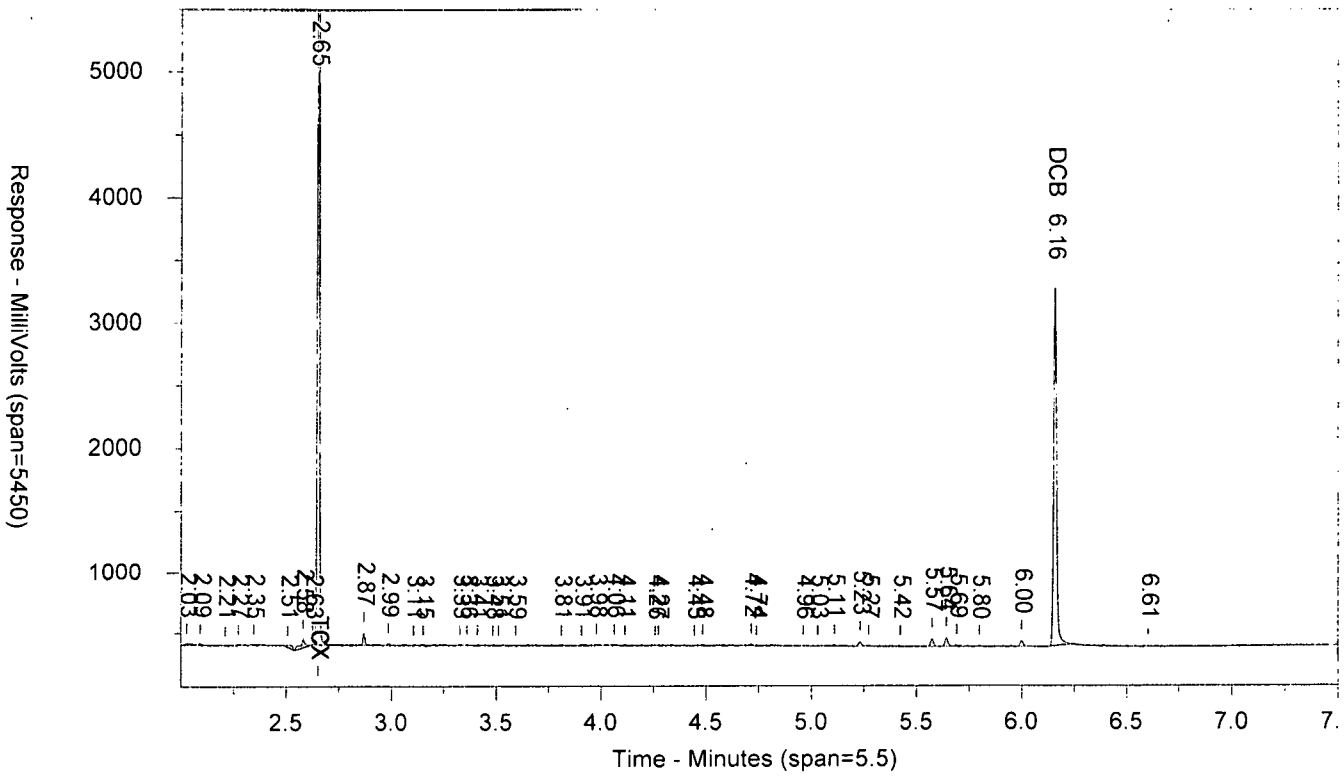

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AYPIBLKAY PIBLK1726099999 10736 SW-846 8082
Injected On: 9/18/2017 7:04:59 PM Sample Weight: 1000
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	7407590	.196	TCX	2.652	8025691	.207	TCX
6.682	2549209	.189	DCB	6.157	2875515	.181	DCB

Files:
Area File: 07pcbs17250009.0006.RAW
Area File: 07pcbs17250009B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 7:13:44 PM
File Reported On: 9/18/2017 at 7:13:54 PM

IBLKX1724B AYPIBLKAY PIBLK1726099999 10736 SW-846 8082

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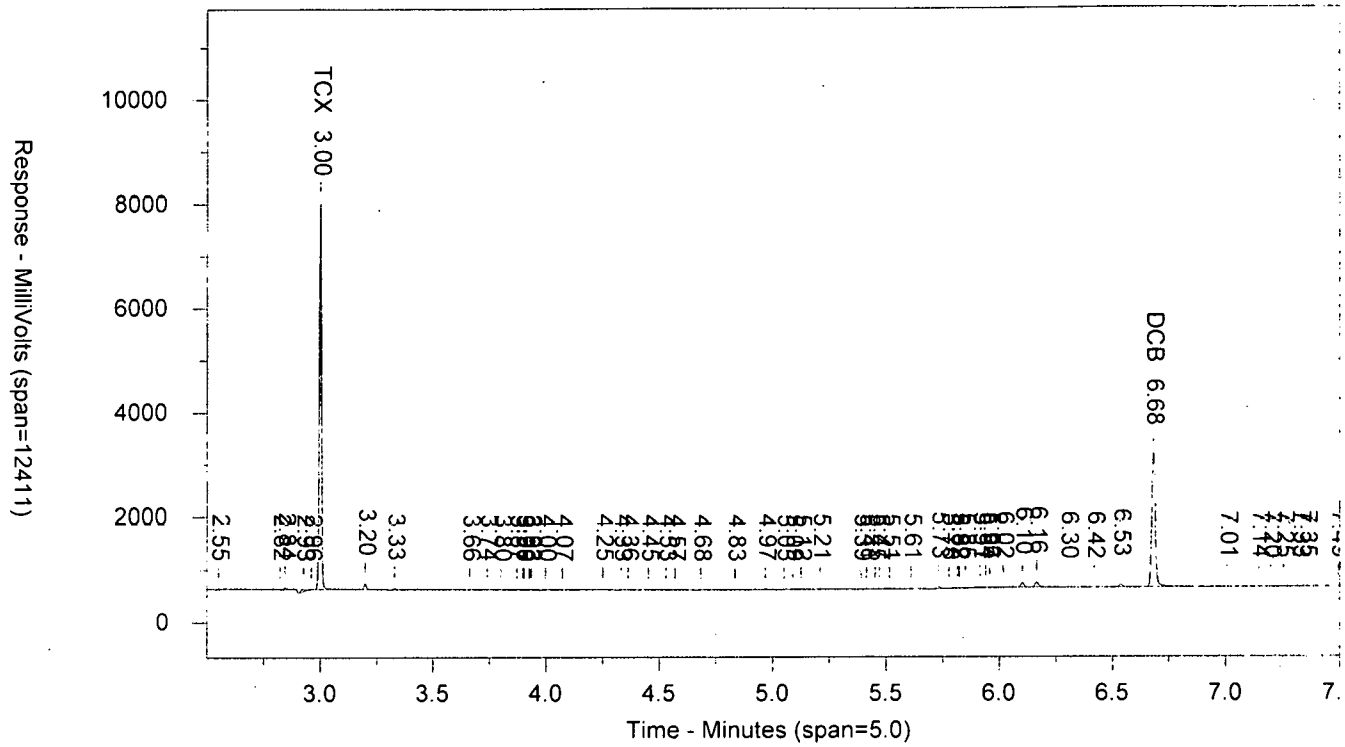

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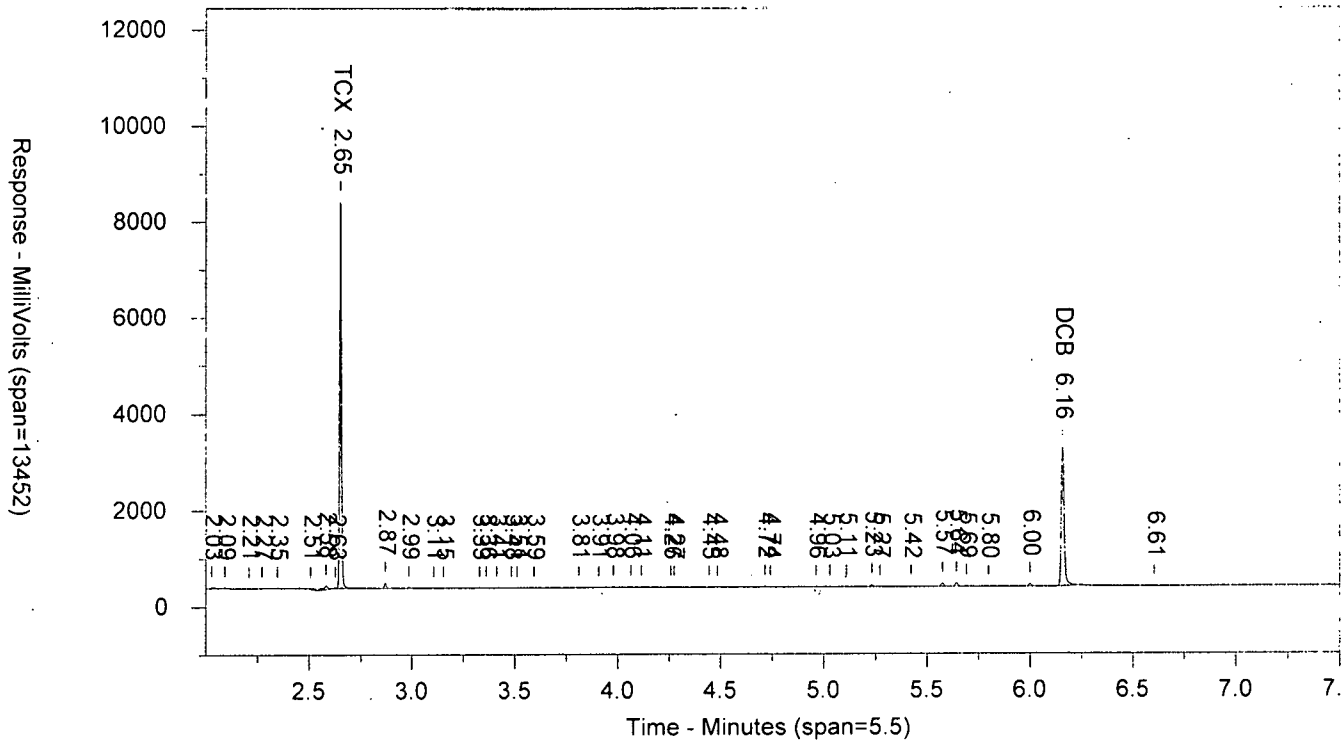

IBLKX1724B AYPIBLKAY PIBLK1726099999 10736 SW-846 8082

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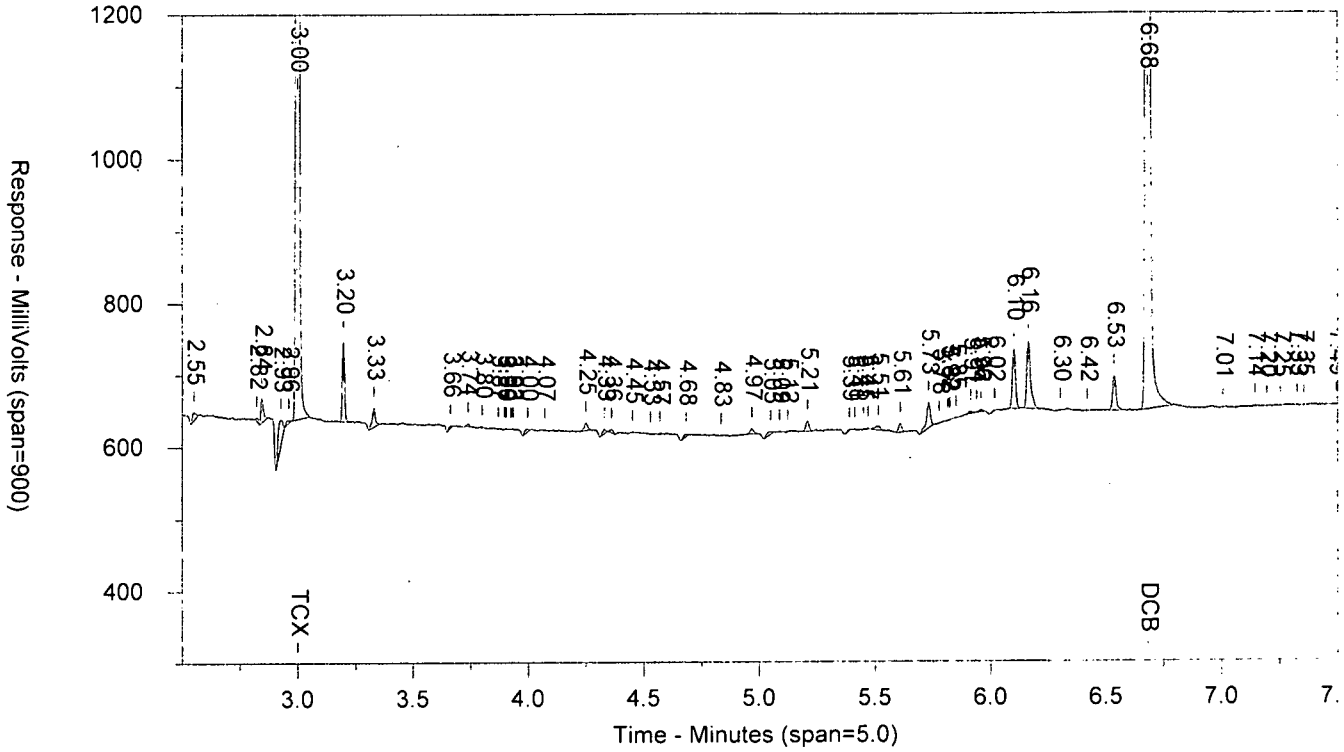

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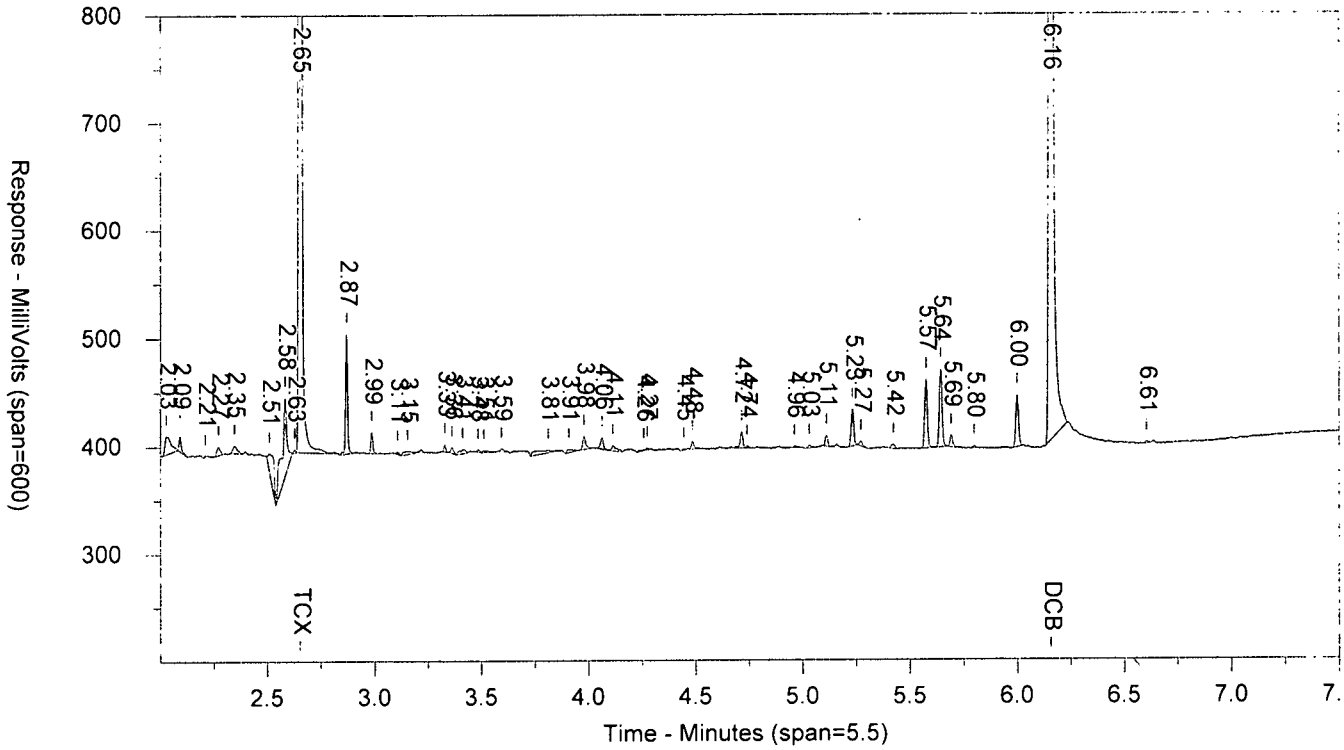

LANCASTER LABORATORIES

Sample Number: AR1641724B ANAR164AN CCAL 1726099999 10736 SW-846 8082
Injected On: 9/18/2017 11:05:27 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.671		17687	65549
1.76		5139	6664
2.113		16382	30705
2.147		28053	56938
2.22		9122	13545
2.295		76557	61354
2.39		29596	21245
2.404		29593	18829
2.434		8848	9202
2.481		5314	2540
2.55		16271	16007
2.576		12663	13725
2.635		16799	11373
2.669		6763	4759
2.757		7087	5855
2.846		14505	11386
2.931		36737	63130
2.958		4632	4619
2.999	TCX	16188450	10221960
3.097		10056	7513
3.147		245936	207409
3.177		2808	1140
3.201		362082	327122
3.251		1308080	909009
3.328		28340	15009
3.344		165477	103150
3.383		4426	2796
3.406		4016	2695
3.466		1333274	823661
3.483		697043	374120
3.52		177877	102314
3.535		31791	12726
3.548		96616	49903
3.581		1619404	1193158
3.618		10971	5558
3.635		13455	7184
3.656		77334	50183
3.69		388576	225683
3.705		215275	104111
3.749		945745	492960
3.761		1686691	835885
3.8		1870802	1428811
3.86		1679497	1229275
3.901		143723	101179
3.929		1153223	829736
3.956		826994	673294
3.979		253400	125577
4.055		1213002	881593
4.079		447799	293968
4.111		486656	359668
4.145		1247143	1236073
4.186		422064	335409
4.234		61409	51768

RT A	Compound A	Height A	Area A
4.273		92475	67314
4.307		1166165	866459
4.327		266632	153216
4.351		339647	255734
4.421		200647	169938
4.464		1245736	1218852
4.498		47588	33771
4.561		17663	13591
4.603		174139	161905
4.655		152172	103739
4.672		367131	251057
4.717		805337	719230
4.766		1246715	1399534
4.803		312172	217252
4.842		2769642	2547436
4.886		29255	22142
4.929		403028	432226
4.964		35426	24326
4.991		451831	424254
5.043		2658780	3400995
5.095		566849	508694
5.134		1209701	1314634
5.175		11724	6001
5.212		230017	277569
5.247		2511566	2292243
5.269		78447	40224
5.287		39380	17328
5.313		1355602	1256164
5.355		867457	805822
5.449		323199	263336
5.473		1550475	1363488
5.531		850352	790324
5.569		494997	498021
5.609		109537	106644
5.652		487758	536866
5.707		3606388	3861633
5.79		3086	1110
5.856		2370	1248
5.911		2130516	2059304
5.943		81328	58135
5.966		527587	601929
6.046		1969	457
6.101		181207	179325
6.181		488034	748720
6.335		797688	830313
6.378		52683	47212
6.535		275890	284629
6.682	DCB	5050468	5299914
6.896		1306	714
6.954		1187	584
7.057		1367	337
7.092		2217	738
7.141		2627	2437
7.177		2023	762
7.211		1243	425
7.65		1290	764
7.69		1651	474
7.852		2155	506
7.898		1586	551
7.919		1144	285
7.951		995	389
7.98		1477	583
8.048		1504	362
8.058		1617	420
8.113		1213	1149
8.237		1177	992

RT A	Compound A	Height A	Area A
8.389		2212	619
8.556		1521	316
8.586		1501	628
8.627		1760	751

LANCASTER LABORATORIES

Sample Number: AR1641724B ANAR164AN CCAL 1726099999 10736 SW-846 8082
Injected On: 9/18/2017 11:05:27 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.567		4187	4109
1.666		6193	5379
1.768		9806	10643
1.81		4920	8525
1.846		3219	2052
1.87		9519	8074
1.965		82971	80421
2.029		13103	19908
2.072		8956	5721
2.091		27342	16717
2.172		11703	11364
2.225		2947	5749
2.27		18053	17562
2.336		16770	14286
2.366		7568	4733
2.461		10130	8336
2.512		23036	48944
2.556		30103	31045
2.581		11559	7790
2.607		3937	2092
2.652	TCX	16636720	9904361
2.694		123073	87956
2.735		7926	7173
2.822		289940	199136
2.85		2370	890
2.869		151167	69727
2.883		233232	118722
2.91		4646	2925
2.935		1379237	862497
2.986		43800	29262
3.046		194039	121318
3.077		6020	4819
3.142		1718607	1731253
3.193		221285	134877
3.215		107735	60242
3.24		144252	83377
3.264		1697024	1133638
3.301		68139	40997
3.328		11627	5253
3.347		435137	230900
3.362		251319	120100
3.39		4516	2001
3.413		842294	393591
3.422		1834865	787641
3.442		82069	28327
3.456		1693705	1144198
3.53		1827724	1142106
3.565		1265603	780430
3.588		1358914	754751
3.606		441094	220762
3.692		1558789	1017606
3.714		588276	319568
3.735		540886	329348
3.765		365477	192930

3.783		1215287	754696
3.825		452473	331669
3.872		67688	62390
3.895		301793	178719
3.917		1589516	1068717
3.942		324895	191082
3.961		57507	27726
3.981		199691	124903
4.017		1270436	903531
4.051		53002	31949
4.066		122118	70557
4.113		3406	1936
4.128		11775	7583
4.162		108308	117878
4.22		345307	249678
4.262		402435	239294
4.28		272662	137591
4.294		948089	535375
4.32		530179	538843
4.373		2912904	2175523
4.419		42139	39163
4.443		233383	153576
4.467		617269	452529
4.51		3278331	2521293
4.613		2628677	2523300
4.667		339700	279875
4.705		742591	624524
4.742		3038732	2560384
4.775		1697246	1164768
4.813		1078248	855121
4.913		385803	377543
4.965		1983344	1569922
4.989		233469	147479
5.039		1031076	928007
5.074		500340	390971
5.105		369564	295836
5.137		102885	61161
5.16		3952528	3403271
5.2		70906	48880
5.232		206686	169557
5.35		44171	28320
5.374		810470	692301
5.419		2376510	2785568
5.575		155882	133589
5.62		41002	29177
5.642		143231	114610
5.692		428772	392558
5.799		787379	689534
5.831		37845	26159
5.998		274774	271678
6.157	DCB	5710970	5603374
6.609		4616	4391
6.947		1454	2847
8.293		8484	14165

AR1641724B ANAR164AN CCAL 1726099999 10736 SW-846 808

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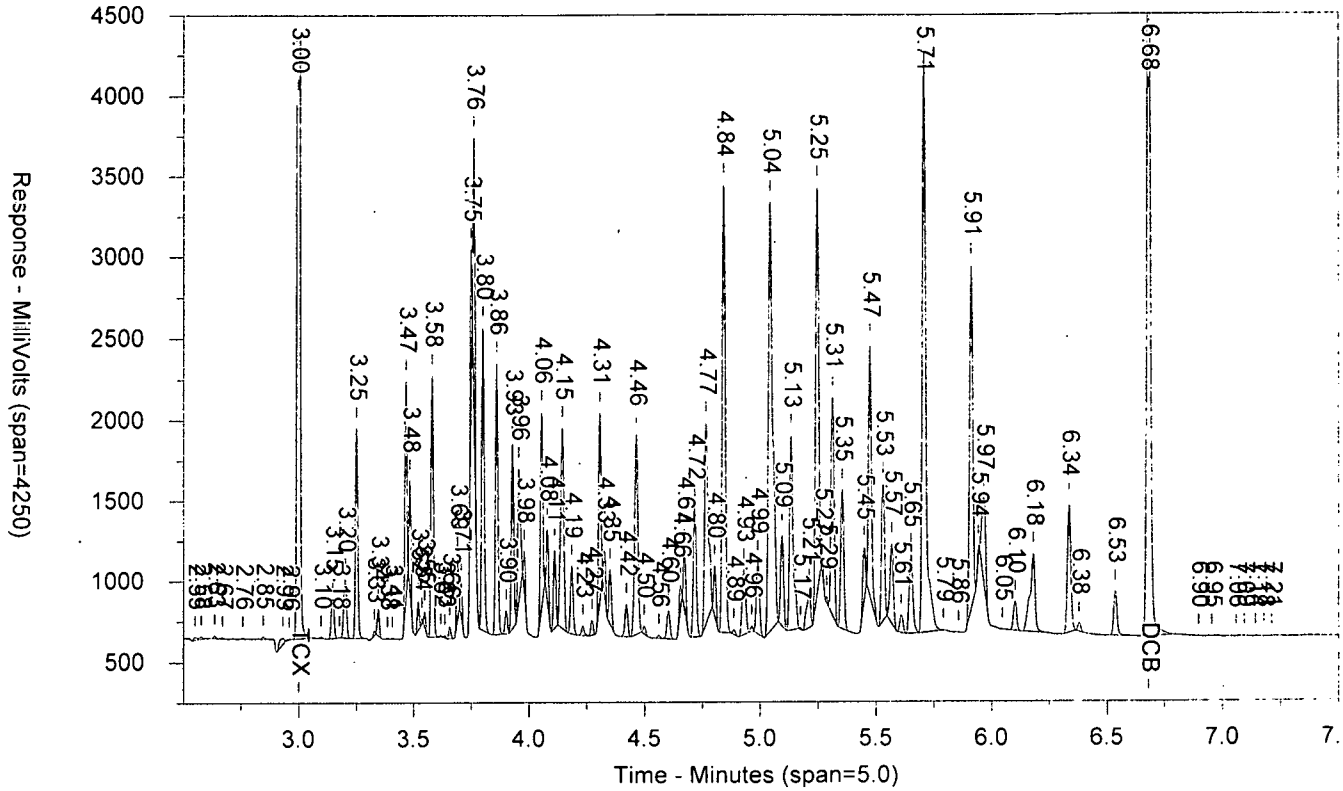

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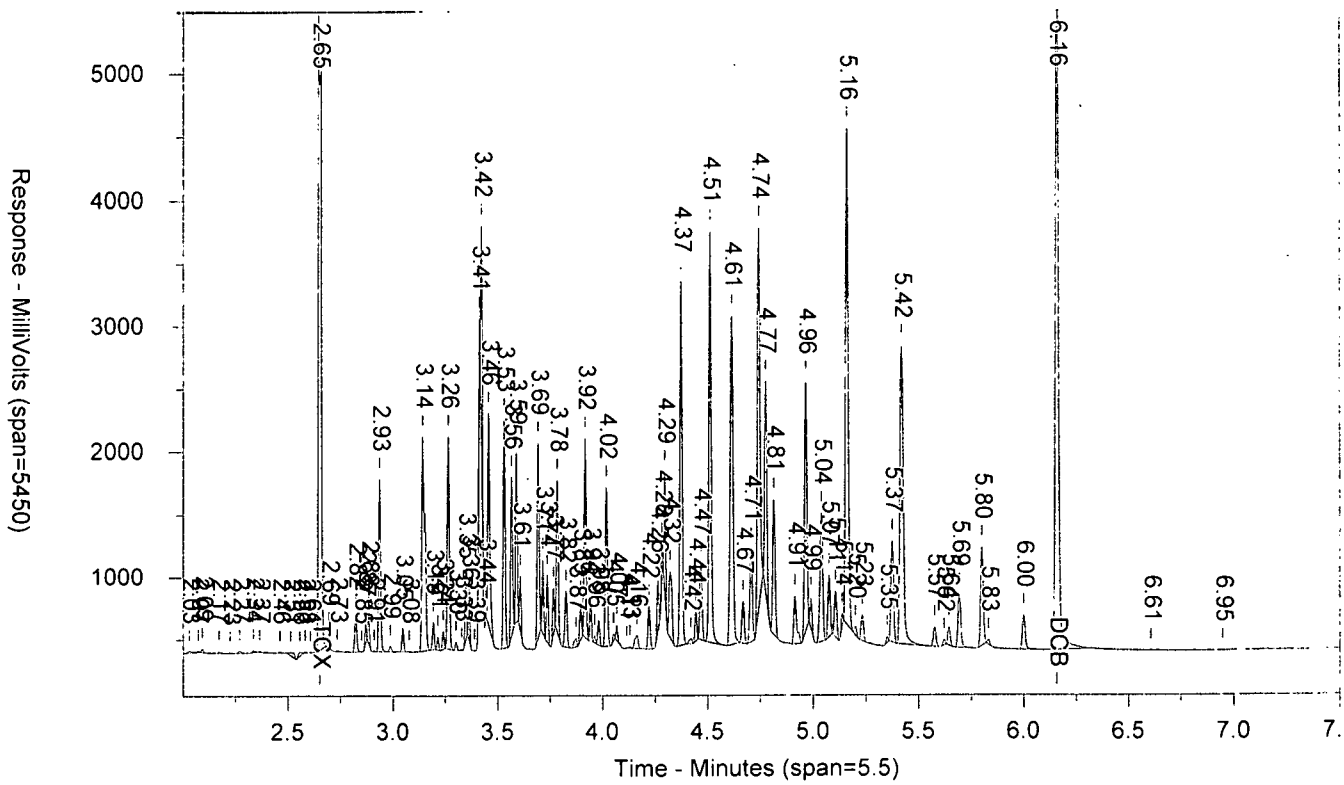

LANCASTER LABORATORIES

Sample Number: AR1641724B ANAR164AN CCAL 1726099999 10736 SW-846 8082
Injected On: 9/18/2017 11:05:27 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	16188450	42.77	TCX	2.652	16636720	42.809	TCX
6.682	5050468	37.417	DCB	6.157	5710970	35.849	DCB

Files:
Area File: 07pcbs17250009.0027.RAW
Area File: 07pcbs17250009B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 11:14:08 PM
File Reported On: 9/18/2017 at 11:14:18 PM

AR1641724B ANAR164AN CCAL 1726099999 10736 SW-846 808

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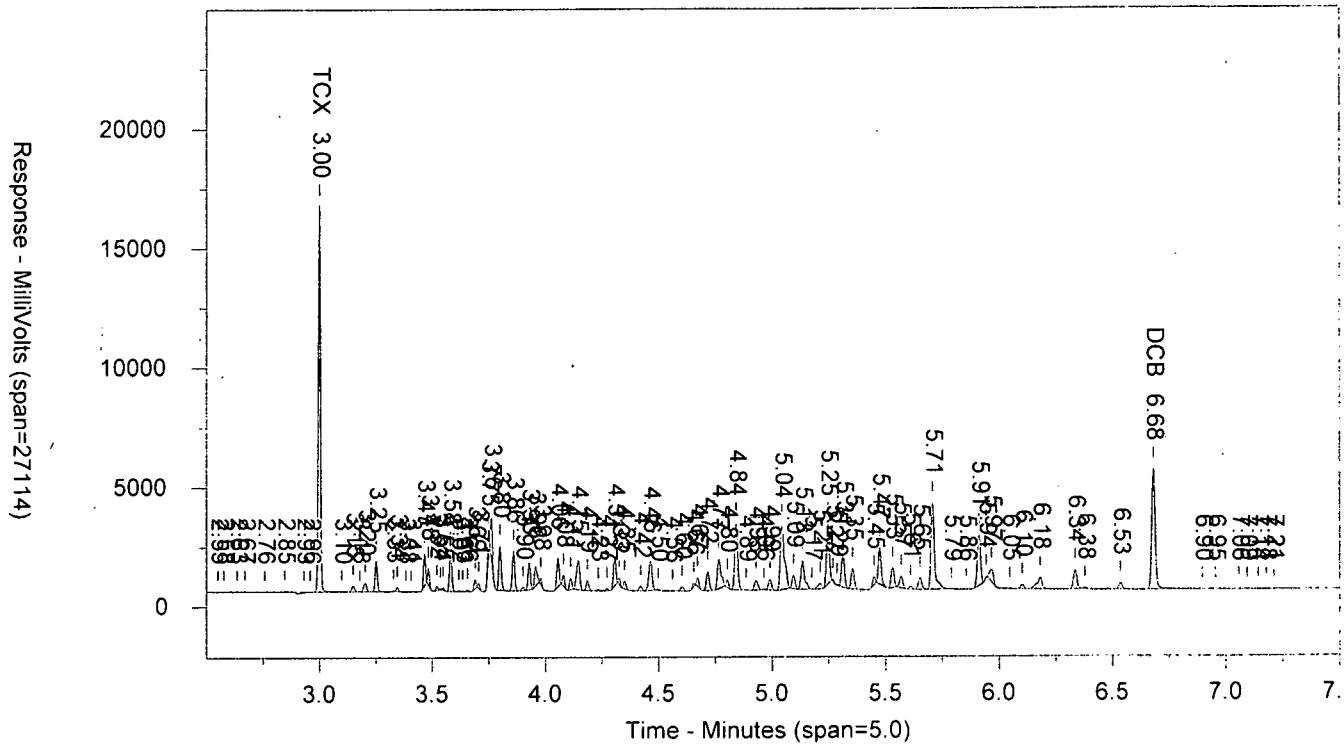

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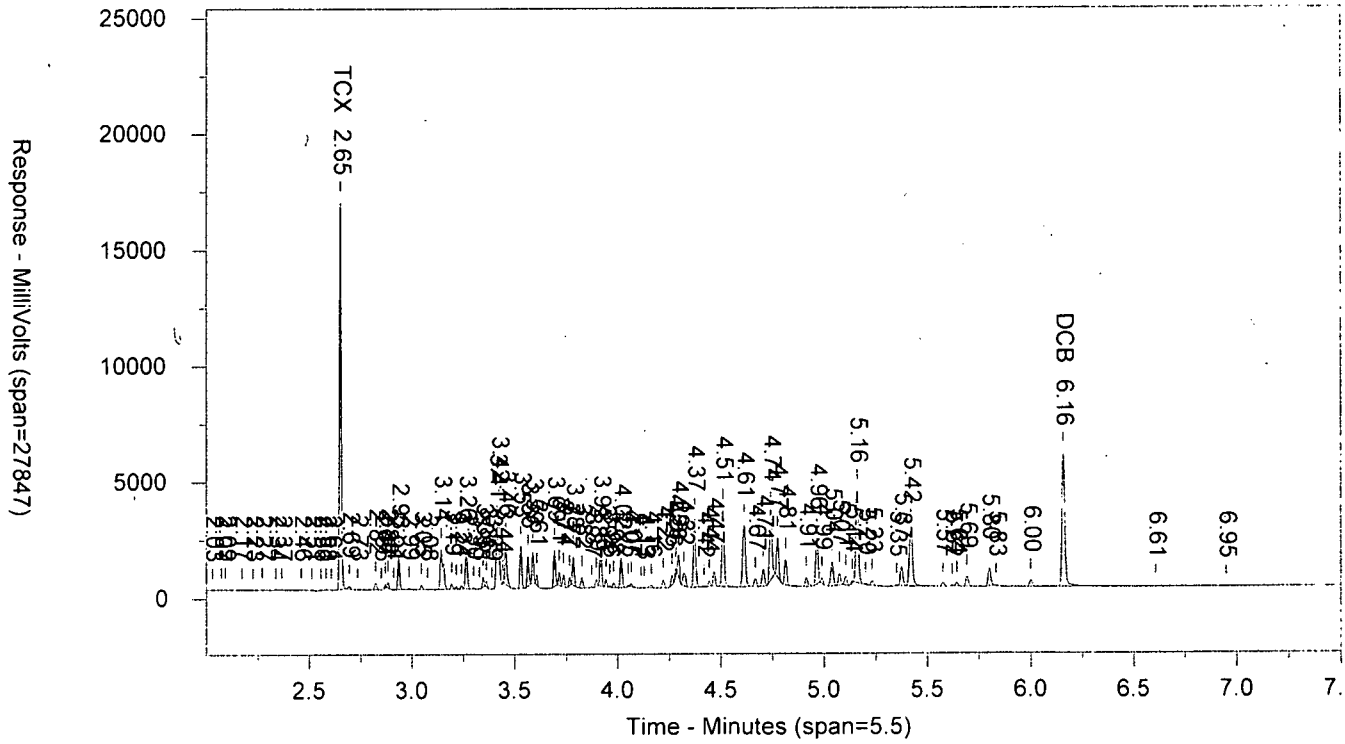

AR1641724B ANAR164AN CCAL 1726099999 10736 SW-846 808

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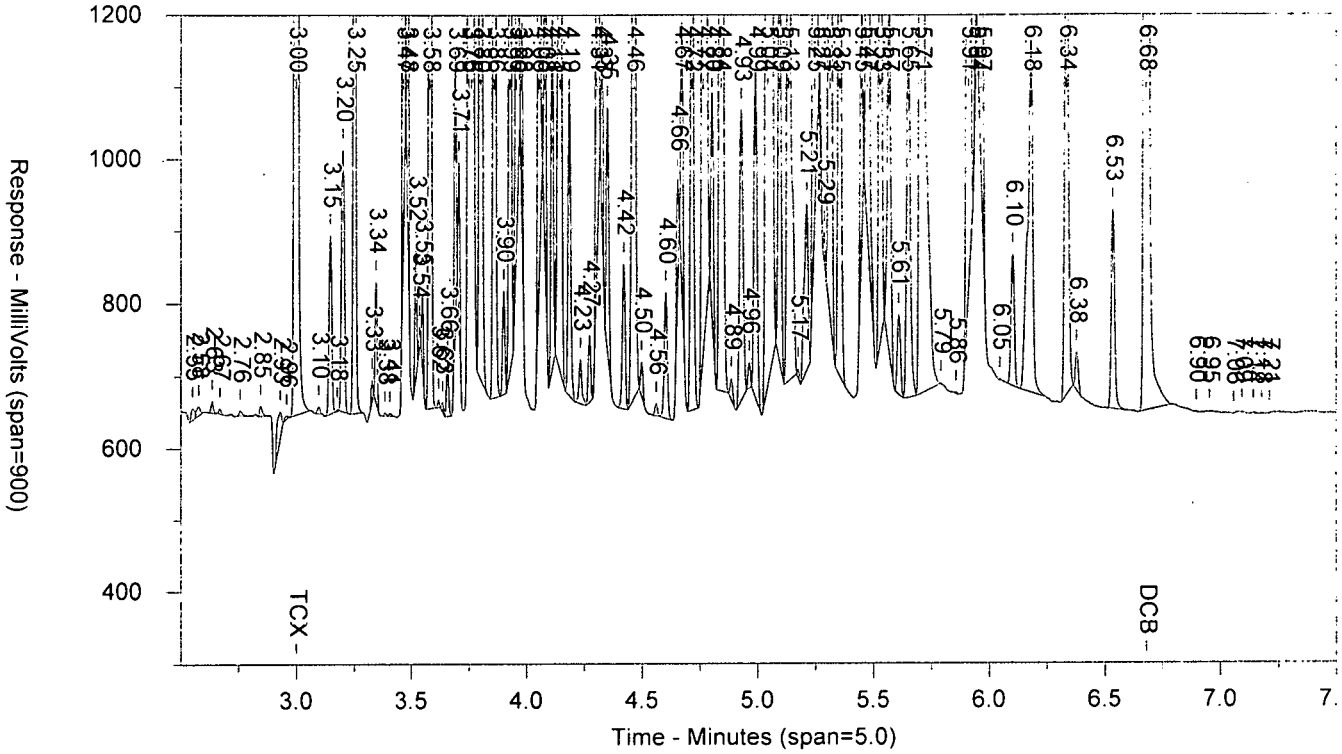

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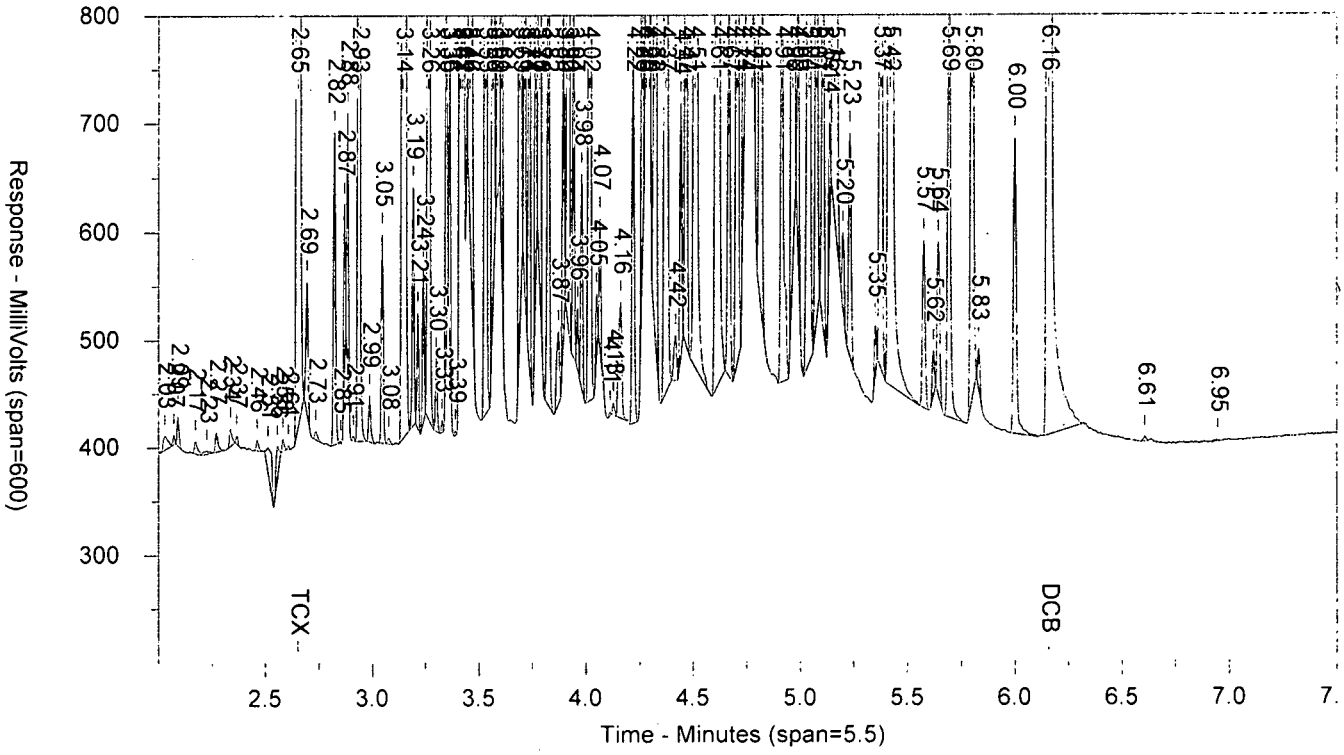

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AZPIBLKAZ PIBLK1726099999 10736 SW-846 8082
Injected On: 9/18/2017 11:16:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.636		5305	7282
1.774		2278	766
2.118		15747	36623
2.149		38827	116789
2.294		40453	31341
2.39		50686	42403
2.433		8146	8027
2.551		13697	16784
2.574		9108	8923
2.601		4943	5092
2.825		10810	7493
2.844		54601	47445
2.926		24259	37689
2.961		3075	4113
2.999	TCX	7832037	5023396
3.197		119707	76087
3.328		27904	25191
3.658		3691	2252
3.738		5393	4171
3.793		2370	1862
3.868		723	281
3.888		794	116
3.904		1141	405
3.913		1172	253
3.927		941	370
3.946		779	156
4		2952	4463
4.25		11926	12691
4.329		4702	4095
4.359		5331	4558
4.589		1007	746
4.686		2828	4822
4.779		1481	382
4.866		1394	496
4.968		7299	6146
5.044		2297	2788
5.206		14373	13126
5.286		1546	380
5.394		2434	2661
5.475		1457	679
5.552		1317	335
5.61		10991	10370
5.658		1710	442
5.732		36015	40260
5.76		1273	410
5.857		1739	4583
5.908		5511	8289
5.959		987	945
6.017		2047	1757
6.101		81522	77900
6.164		88974	102138
6.291		1859	799
6.313		1685	953

RT A	Compound A	Height A	Area A
6.335		2597	1266
6.42		1707	468
6.457		963	385
6.535		46172	45997
6.591		1789	1432
6.682	DCB	2556824	2713847
6.856		1547	1014
6.936		1107	455
7.12		1026	392
7.14		1404	476
7.245		1505	569
7.269		1561	622
7.291		1230	914
7.333		1717	1281
7.468		1421	550
7.611		1441	411
7.922		1954	488
8.036		1557	460
8.143		2005	935
8.343		1262	1150
8.368		1065	342
8.403		1396	615
8.441		1294	322
8.551		1699	612
8.569		2010	735

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AZPIBLKAZ PIBLK1726099999 10736 SW-846 8082
Injected On: 9/18/2017 11:16:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250009B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.654		1696	1839
1.806		1780	3497
1.959		60814	63467
2.03		21958	45037
2.091		14834	11312
2.185		2803	4065
2.242		1304	3178
2.271		9010	9199
2.349		8096	13335
2.397		2697	2092
2.461		2484	1494
2.511		11928	28854
2.557		15207	20967
2.582		78124	62655
2.626		2895	1327
2.652	TCX	8017814	4919820
2.869		111166	72317
2.908		2026	1906
2.986		21582	15810
3.021		1816	2862
3.217		2919	2133
3.328		9495	7441
3.362		6099	4317
3.418		3513	6989
3.561		1331	1161
3.597		2581	1964
3.667		1637	3660
3.76		2638	6657
3.931		1596	4765
3.979		14263	13534
4.063		11117	10130
4.117		5004	6698
4.277		2877	3937
4.444		1448	933
4.486		7300	4896
4.715		15915	11654
4.742		3106	2055
4.966		2389	1982
5.036		2672	2736
5.111		11776	9079
5.16		3400	2807
5.233		36849	30326
5.273		4726	3916
5.421		4527	5052
5.575		64714	56907
5.643		74715	65168
5.692		12188	10494
5.799		1688	1137
6		49467	48906
6.158	DCB	3066099	2883601
6.606		2319	1969
6.643		2321	3263
7.701		1557	2116
8.205		2176	3104

8.293	8865	18391

IBLKX1724B AZPIBLKAZ PIBLK1726099999 10736 SW-846 8082

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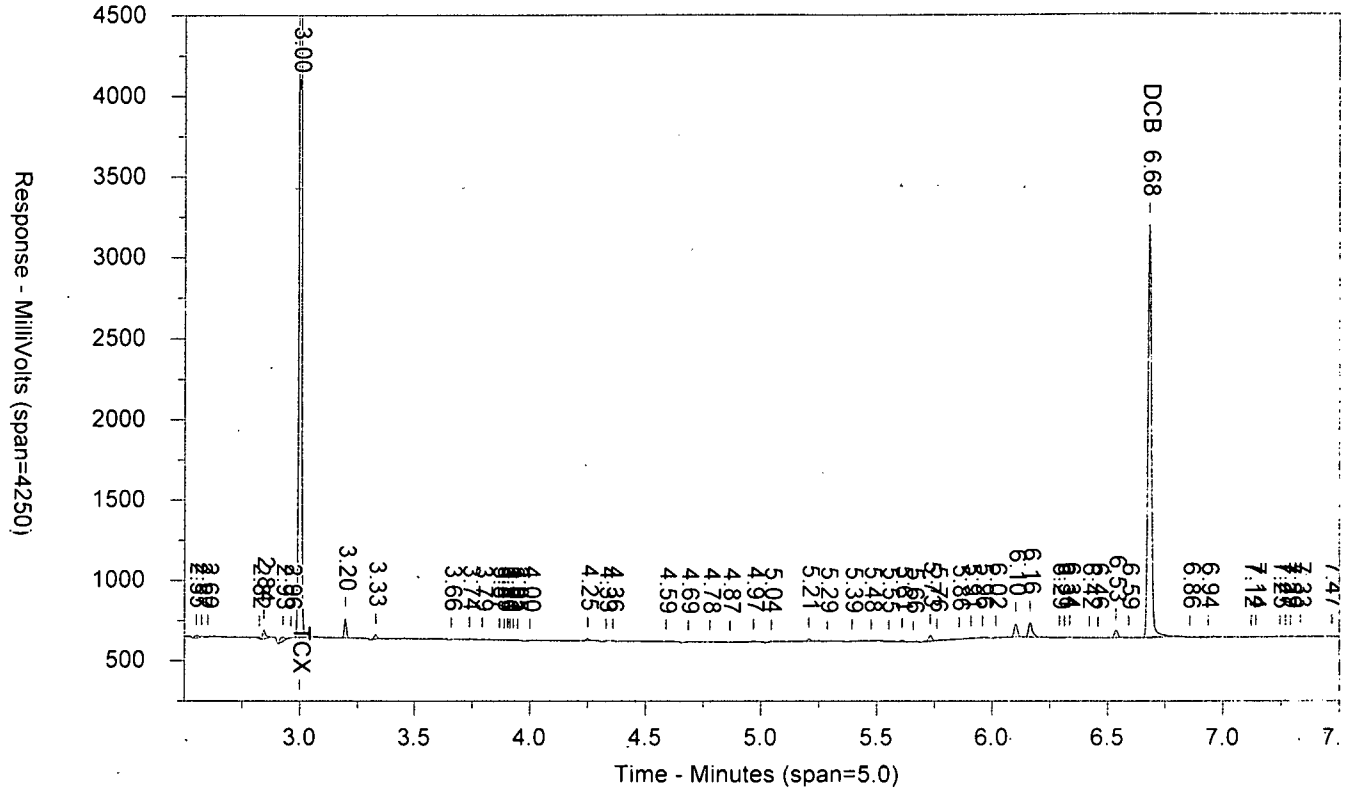

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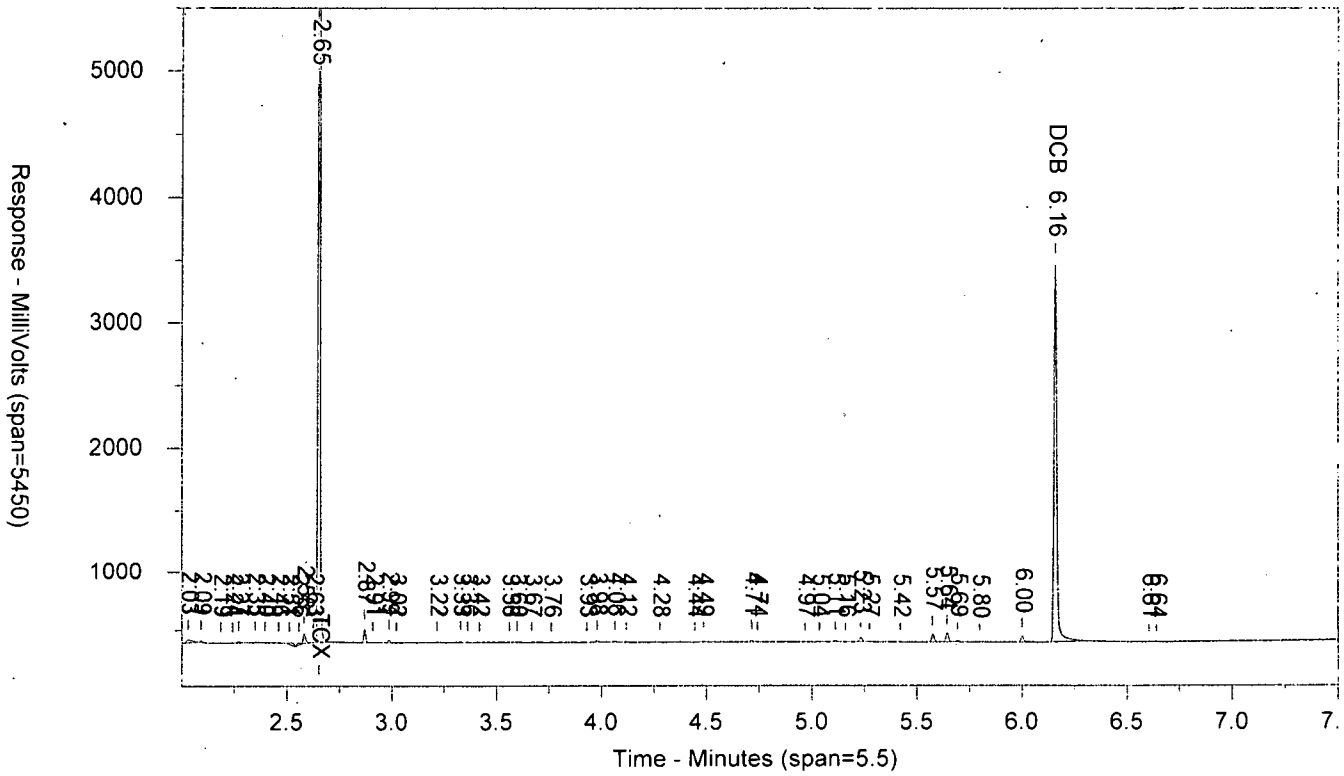

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AZPIBLKAZ PIBLK1726099999 10736 SW-846 8082
Injected On: 9/18/2017 11:16:53 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	7832037	.207	TCX	2.652	8017814	.206	TCX
6.682	2556824	.189	DCB	6.158	3066099	.192	DCB

Files:
Area File: 07pcbs17250009.0028.RAW
Area File: 07pcbs17250009B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/18/2017 11:25:34 PM
File Reported On: 9/18/2017 at 11:25:40 PM

IBLKX1724B AZPIBLKAZ PIBLK1726099999 10736 SW-846 8082

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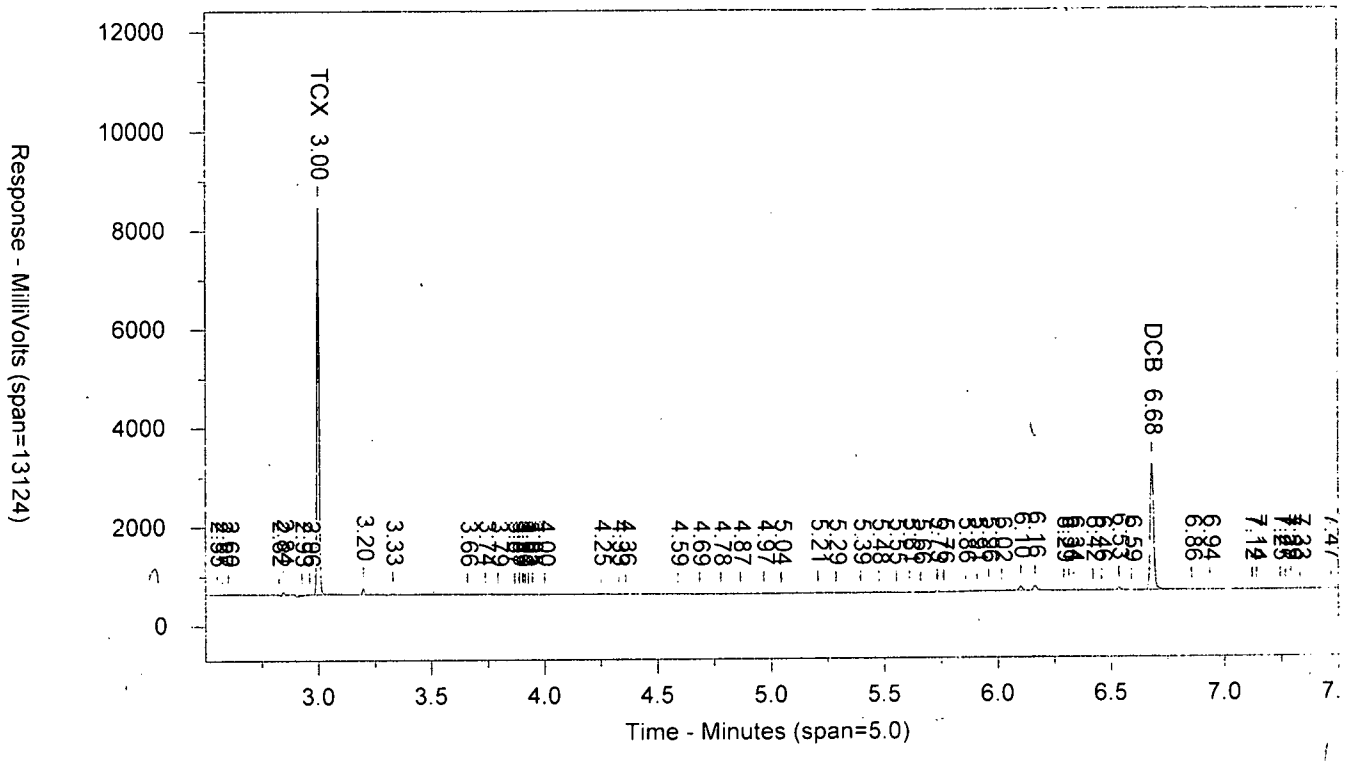

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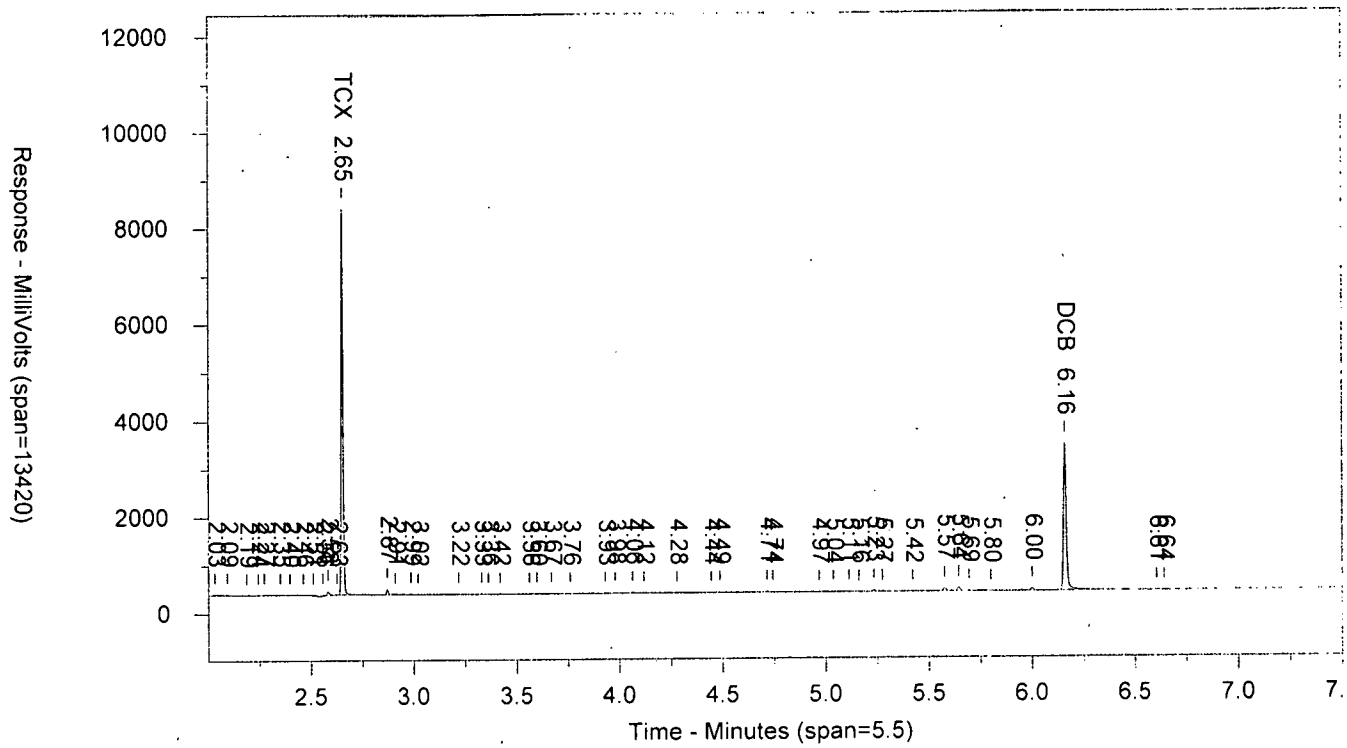

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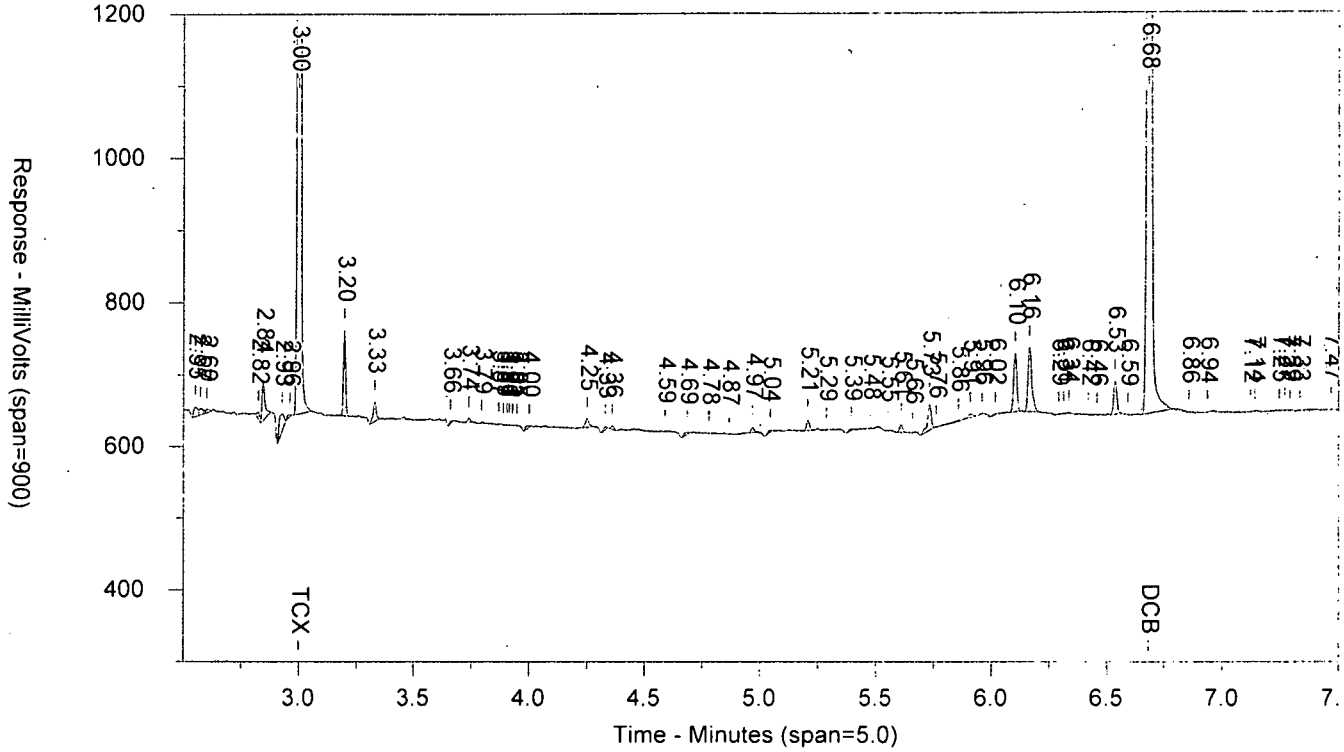

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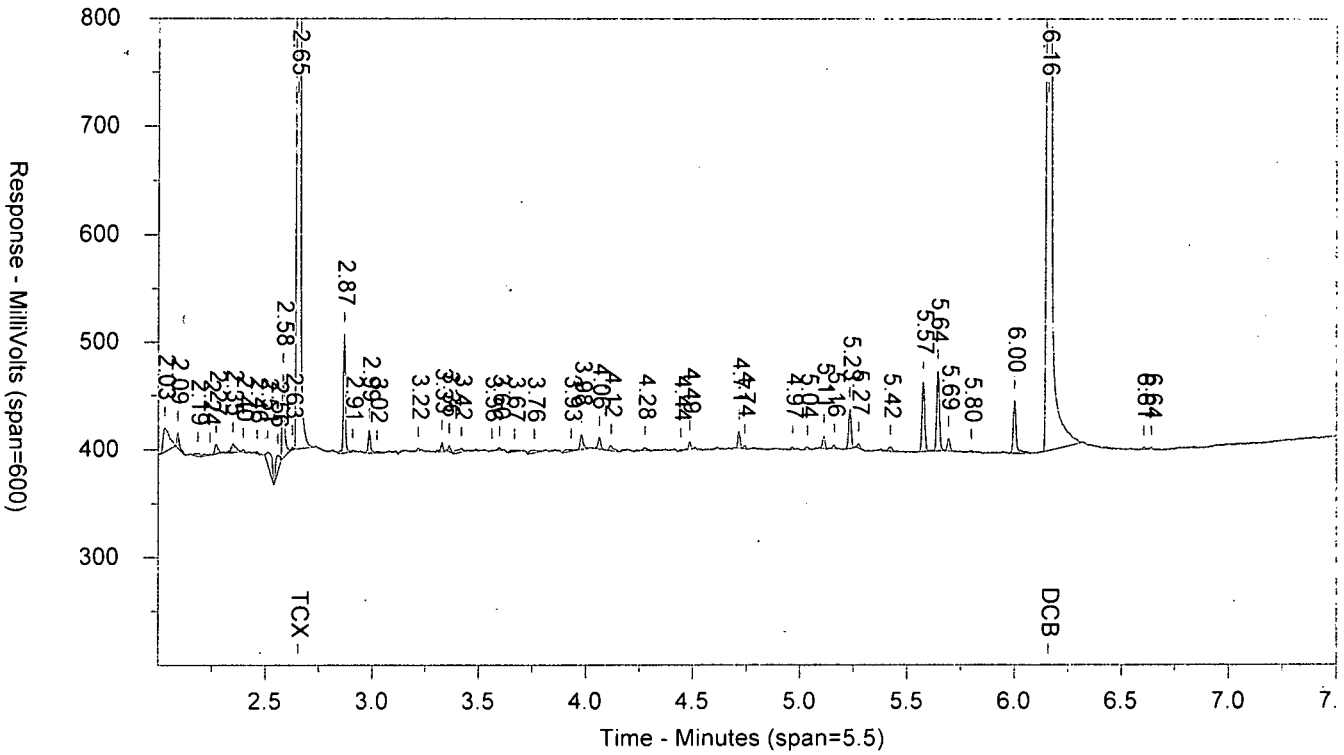

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 9/10/17 ACF PBLK39251 BLK Sample ID: AB **Batchnumber: 172510039A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 17, 2017 21:01:28
Instrument	19843A
Result file	07PCBS17250008.0024.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 101% (61 - 152) Conc: 30.97353
%SSR(DCB) 106% (48 - 164) Conc: 28.7648

Analysis Report (B)

Injected on	Sep 17, 2017 21:01:28
Instrument	19843B
Result file	07PCBS17250008B.0024.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 103% (61 - 152) Conc: 31.50843
%SSR(DCB) 103% (48 - 164) Conc: 27.96501

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	11723570	30.97353	Tetrachloro-m-xylene	2.62	2.65	2.68	12244880	31.50843
Decachlorobiphenyl	6.65	6.68	6.71	3882640	28.7648	Decachlorobiphenyl	6.13	6.16	6.19	4454944	27.96501

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	31.50843				1.71	
Tetrachloro-m-xylene-D1	A	30.97353					
Tetrachloro-m-xylene-D2	B	31.50843					
Decachlorobiphenyl	A	28.7648				2.82	
Decachlorobiphenyl-D1	A	28.7648					
Decachlorobiphenyl-D2	B	27.96501					

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
Petrologist Specialist

SEP 19 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:57:33

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 9/10/17 ACF PBLK39251 Sample ID: AB **Batchnumber: 172510039A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 17, 2017 21:01:28
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0024.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.97353
%SSR(DCB) : 106% (48-164) Conc.: 28.7648

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	47.84	
3.74	3.75	3.78	2600.51	0.331108			4
3.78	3.79	3.82	4154.925	0.450768			5
+ 3.91	3.91	3.95	984.4857	0.174123			6
3.91	3.93	3.95	4644.914	0.821532			6
Height Summation:			11400.349				
Amount Avg CF:			0.53447	Linear:			
Aroclor-1221					1		
3.18	3.20	3.22	100782.6	36.196904			2
Height Summation:			100782.6				
Amount Avg CF:			36.196904	Linear:			
Aroclor-1232					3	58.16	
3.74	3.75	3.78	2600.51	0.718341			4
3.78	3.79	3.82	4154.925	0.919703			5
+ 3.91	3.91	3.95	984.4857	0.432892			6
3.91	3.93	3.95	4644.914	2.042432			6
Height Summation:			11400.349				
Amount Avg CF:			1.226825	Linear:			
Aroclor-1242					3	55.23	
3.74	3.75	3.78	2600.51	0.223739			4
3.78	3.79	3.82	4154.925	0.325878			5
+ 3.91	3.91	3.95	984.4857	0.136804			6
3.91	3.93	3.95	4644.914	0.645455			6
Height Summation:			11400.349				
Amount Avg CF:			0.398358	Linear:			
Aroclor-1248					5	62.59	
3.78	3.79	3.82	4154.925	0.914414			1
3.84	3.86	3.88	1184.619	0.245077			2
+ 3.91	3.91	3.95	984.4857	0.12232			3
3.91	3.93	3.95	4644.914	0.57712			3
4.03	4.06	4.07	1657.385	0.182369			4
4.30	4.33	4.34	3571.04	0.424895			6
Height Summation:			15212.883				
Amount Avg CF:			0.468775	Linear:			
Aroclor-1254					4	59.41	
4.69	4.72	4.73	4602.075	0.226339			3
4.91	4.93	4.95	2076.563	0.167071			4
5.11	5.12	5.15	4585.106	0.644733			5
5.23	5.24	5.27	3816.127	0.408481			6
Height Summation:			15079.871				
Amount Avg CF:			0.361656	Linear:			

Analysis Report (B)

Injected on : Sep 17, 2017 21:01:28
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0024.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 103% (61-152) Conc.: 31.50843
%SSR(DCB) : 103% (48-164) Conc.: 27.96501

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	100.73	
3.12	3.15	3.16	3324.085	0.388616			2
3.25	3.28	3.29	22924.89	2.711498			3
3.40	3.41	3.44	6000.769	0.662231			4
* 3.44	3.44	3.48	3436.288	0.403755			5
+* 3.40	3.44	3.44	3436.288	0.379221			4
+ 3.44	3.47	3.48	2745.92	0.322639			5
3.57	3.59	3.61	4955.688	0.706929			6
Height Summation:			40641.72				
Amount Avg CF:			0.974606	Linear:			
Aroclor-1221					1		
2.86	2.87	2.90	88913.91	38.694038			2
Height Summation:			88913.91				
Amount Avg CF:			38.694038	Linear:			
Aroclor-1232					5	96.64	
3.12	3.15	3.16	3324.085	0.769709			2
3.25	3.28	3.29	22924.89	5.488364			3
3.40	3.41	3.44	6000.769	1.439026			4
* 3.44	3.44	3.48	3436.288	0.809203			5
+* 3.40	3.44	3.44	3436.288	0.824046			4
+ 3.44	3.47	3.48	2745.92	0.64663			5
3.57	3.59	3.61	4955.688	1.681417			6
Height Summation:			40641.72				
Amount Avg CF:			2.037544	Linear:			
Aroclor-1242					5	96.63	
3.12	3.15	3.16	3324.085	0.440097			2
3.25	3.28	3.29	22924.89	2.074428			3
3.40	3.41	3.44	6000.769	0.456074			4
* 3.44	3.44	3.48	3436.288	0.291707			5
+* 3.40	3.44	3.44	3436.288	0.261167			4
+ 3.44	3.47	3.48	2745.92	0.233101			5
3.57	3.59	3.61	4955.688	0.559249			6
Height Summation:			40641.72				
Amount Avg CF:			0.764311	Linear:			
Aroclor-1248					5	42.99	
3.44	3.44	3.48	3436.288	0.881552			1
+ 3.44	3.47	3.48	2745.92	0.704444			1
3.55	3.57	3.59	4748.792	0.516077			3
3.67	3.69	3.71	4384.705	0.396321			4
3.76	3.78	3.80	4810.54	0.628819			5
3.90	3.92	3.94	4018.46	0.276139			6
Height Summation:			21398.785				
Amount Avg CF:			0.539781	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 9/10/17 ACF PBLK39251 Sample ID: AB **Batchnumber: 172510039A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 17, 2017 21:01:28
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0024.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**5**	**49.90**	
+ 4.82	4.82	4.86	943.7266	0.064841			1
4.82	4.84	4.86	2330.561	0.160128			1
5.02	5.04	5.06	5019.399	0.351339			2
5.23	5.24	5.27	3816.127	0.281505			3
5.69	5.71	5.73	5376.613	0.279676			5
5.89	5.91	5.93	7681.403	0.610985			6
Height Summation:			**24224.103**				
Amount Avg CF:			**0.336727**	Linear:			
Aroclor-1262					**4**	**36.44**	
5.69	5.71	5.73	5376.613	0.236665			3
5.89	5.91	5.93	7681.403	0.495385			4
5.95	5.97	5.99	3915.342	0.501839			5
6.31	6.33	6.35	4543.97	0.649519			6
Height Summation:			**21517.328**				
Amount Avg CF:			**0.470852**	Linear:			
Aroclor-1268					**6**	**159.45**	
5.89	5.91	5.93	7681.403	0.276151			1
5.95	5.97	5.99	3915.342	0.162779			2
6.08	6.10	6.12	71565.86	3.100361			3
6.14	6.16	6.18	74228.15	12.247894			4
6.31	6.33	6.35	4543.97	0.6388			5
6.51	6.54	6.55	56443.23	1.205569			6
Height Summation:			**218377.955**				
Amount Avg CF:			**2.938592**	Linear:			

Analysis Report (B)

Injected on : Sep 17, 2017 21:01:28
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0024.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**4**	**29.46**	
4.26	4.28	4.30	5538.203	0.271406			2
4.35	4.38	4.39	3611.967	0.37684			3
4.42	4.44	4.46	3351.76	0.265932			4
4.72	4.74	4.76	6797.59	0.483494			6
Height Summation:			**19299.52**				
Amount Avg CF:			**0.349418**	Linear:			
Aroclor-1260					**5**	**23.51**	
4.35	4.38	4.39	3611.967	0.242358			1
4.49	4.51	4.53	4460.458	0.260904			2
4.60	4.62	4.64	3541.786	0.256209			3
4.72	4.74	4.76	6797.59	0.407487			4
5.14	5.16	5.18	7391.51	0.343188			5
Height Summation:			**25803.311**				
Amount Avg CF:			**0.302029**	Linear:			
Aroclor-1262					**4**	**41.75**	
4.95	4.97	4.99	3399.858	0.223988			2
5.14	5.16	5.18	7391.51	0.263918			3
5.36	5.38	5.40	2127.301	0.210011			4
5.78	5.80	5.82	3456.904	0.472719			6
Height Summation:			**16375.573**				
Amount Avg CF:			**0.292659**	Linear:			
Aroclor-1268					**5**	**149.98**	
5.36	5.38	5.40	2127.301	0.0733			1
5.56	5.57	5.60	58386.52	2.509748			3
5.62	5.64	5.66	59983.58	10.591884			4
5.78	5.80	5.82	3456.904	0.433453			5
5.98	6.00	6.02	55623.42	1.013445			6
Height Summation:			**179577.725**				
Amount Avg CF:			**2.924366**	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		** 58.33	4	40	
Aroclor-1221			51	15.3		6.67	3	40	
Aroclor-1232			51	12.3		** 49.67	4	40	
Aroclor-1242			51	12.3		** 62.95	4	40	
Aroclor-1248			51	9.9		14.08	4	40	
Aroclor-1254			51	13.2		3.44	4	40	
Aroclor-1260			51	11.7		10.86	4	40	
Aroclor-1262			51	9.9		** 46.68	4	40	
Aroclor-1268			51	9.9		0.49	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/17 ACF ABPBLK39251 BLK 172510039A 10225 SW-846 8082
Injected On: 9/17/2017 9:01:28 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.507		6389	3211
1.534		8450	9546
1.592		16677	21025
1.654		43539	97347
1.699		23700	25523
1.719		14797	11950
1.743		51784	59848
1.8		35751	42895
1.822		24779	22597
1.849		13060	17389
1.906		7525	7376
1.944		6995	4854
1.968		4536	4691
1.997		2602	1291
2.03		5645	4072
2.063		3154	1413
2.107		9905	14881
2.149		21289	34329
2.176		14664	11316
2.202		495273	345739
2.234		16945	11990
2.254		9859	6337
2.269		31457	22905
2.295		32307	20820
2.391		69489	58070
2.434		17239	16110
2.461		238229	162005
2.509		7572	6223
2.527		8633	5519
2.548		11814	10705
2.576		8708	9357
2.613		4719	3426
2.718		5420	3640
2.754		3344	1600
2.772		8110	4706
2.807		40381	41167
2.88		4228	2577
2.944		5716	3452
2.999	TCX	11723570	7483109
3.108		5863	6146
3.197		100783	68728
3.328		29084	20743
3.405		2497	1789
3.661		17974	16704
3.728		14200	9373
3.749		2601	1191
3.79		4155	2887
3.831		2326	1485
3.857		1185	268
3.879		819	155
3.892		1270	339
3.915		984	291
3.929		4645	3024

RT A	Compound A	Height A	Area A
3.956		4770	3585
3.981		1990	656
4.056		1657	901
4.109		2704	2100
4.168		1994	1637
4.249		13702	13311
4.329		3571	2504
4.356		7266	9090
4.425		2313	10838
4.455		3193	3069
4.489		4487	5827
4.591		934	491
4.719		4602	4118
4.801		2086	1188
4.823		944	329
4.838		2331	1665
4.931		2077	1617
4.966		2652	2200
5.042		5019	5319
5.089		891	518
5.124		4585	5144
5.206		6305	4944
5.243		3816	2987
5.286		1440	516
5.35		2161	2355
5.389		1631	747
5.409		1967	2082
5.447		1603	713
5.515		3398	3230
5.61		5608	5972
5.664		1172	397
5.707		5377	3587
5.732		16302	13472
5.772		967	387
5.815		1754	1735
5.913		7681	8240
5.965		3915	6445
6.017		1441	681
6.07		1580	1061
6.101		71566	70244
6.165		74228	81853
6.283		2623	4902
6.335		4544	5014
6.411		1775	781
6.536		56443	55530
6.682	DCB	3882640	3909143
6.869		1501	427
7.077		1153	647
7.102		1470	580
7.242		1995	535
7.336		2008	495
7.345		1531	914
7.442		1552	563
7.563		1661	766
7.585		1979	557
7.699		1506	498
7.78		1128	359
7.997		1562	1324
8.088		1708	465
8.136		2209	416
8.18		1617	323
8.219		1477	674
8.563		1256	791

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/17 ACF ABPBLK39251 BLK 172510039A 10225 SW-846 8082
Injected On: 9/17/2017 9:01:28 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.509		7199	4110
1.549		15553	15001
1.563		16744	17639
1.59		16086	16255
1.665		7857	9529
1.695		6525	9267
1.721		2570	1434
1.796		10715	20322
1.843		4239	2041
1.862		13582	9594
1.884		6744	5209
1.91		497687	353805
1.959		84057	87141
2.027		45064	43647
2.092		16158	9505
2.132		3605	1525
2.151		244233	141169
2.221		6773	4449
2.267		14858	13681
2.303		3291	1480
2.351		4337	4986
2.389		3131	3494
2.428		10567	7721
2.47		40363	27911
2.496		21410	10989
2.552		3168	1863
2.603		2682	1834
2.626		10205	5466
2.652	TCX	12244890	7497416
2.732		4275	4752
2.771		5564	3621
2.85		2497	1212
2.87		88914	54070
2.91		3127	2386
2.958		6146	3419
2.986		24031	17663
3.028		2762	2382
3.155		3324	4428
3.22		5011	7374
3.282		22925	16143
3.316		2528	2103
3.358		27212	21287
3.411		6001	11827
3.442		3436	1711
3.466		2746	2105
3.565		4749	3446
3.589		4956	7794
3.691		4385	5586
3.714		9585	7729
3.783		4811	24831
3.87		2678	2089
3.92		4018	4822
3.98		16521	14523
4.016		2695	2531

4.065		11869	12184
4.116		6016	6211
4.247		2855	4108
4.282		5538	6384
4.379		3612	3707
4.444		3352	2717
4.486		2712	1762
4.51		4460	3921
4.616		3542	4300
4.689		4442	3639
4.743		6798	5962
4.812		1706	1249
4.89		3656	4007
4.966		3400	2688
5.111		4720	3874
5.158		7392	6774
5.233		21005	16746
5.274		4313	3541
5.376		2127	1524
5.575		58387	50522
5.643		59984	50209
5.694		7138	6353
5.799		3457	2467
5.999		55623	49790
6.159	DCB	4454944	4261740
6.642		2828	3172
7.234		1178	2815
7.687		1643	2816
8.199		1878	2770
8.295		9038	18914

BLANKA 9/10/17 ACF ABPBLK39251 BLK 172510039A 10225 SW-846 8

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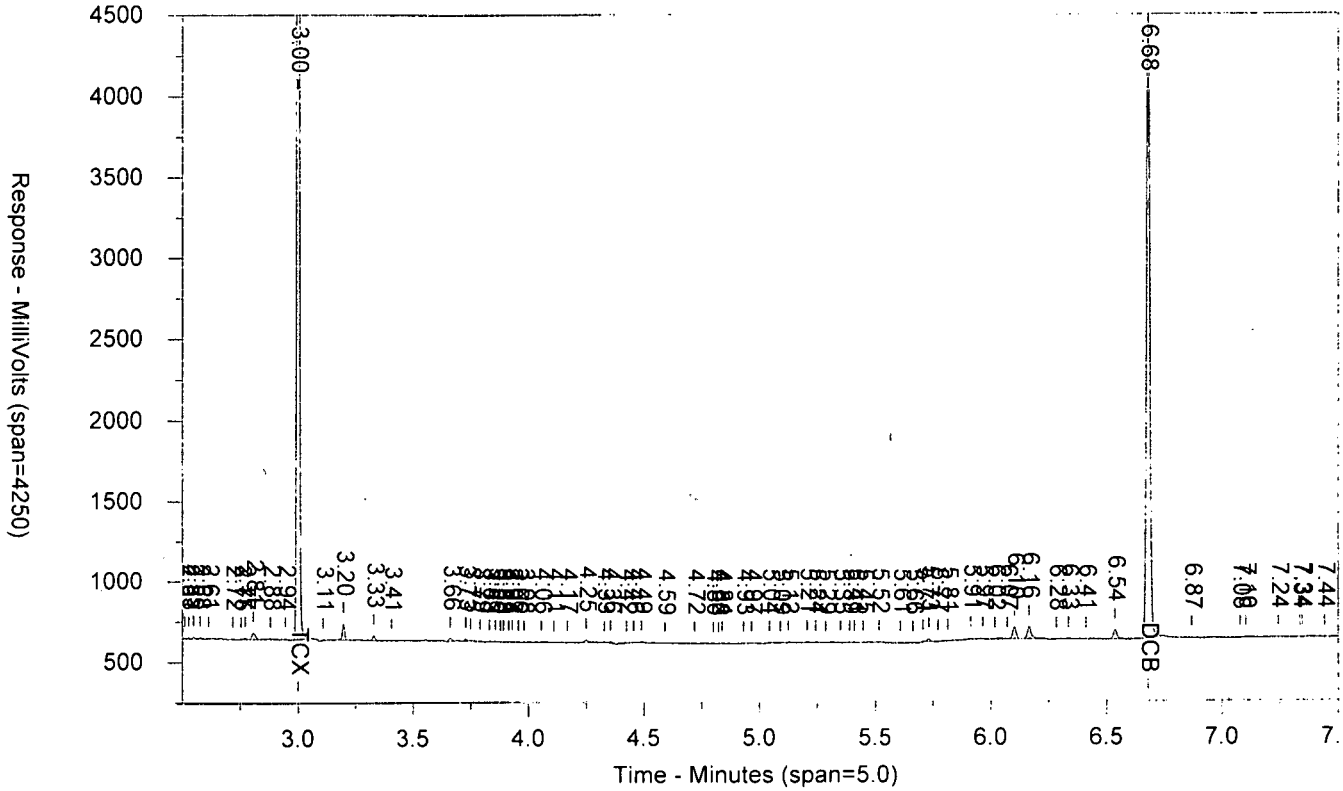

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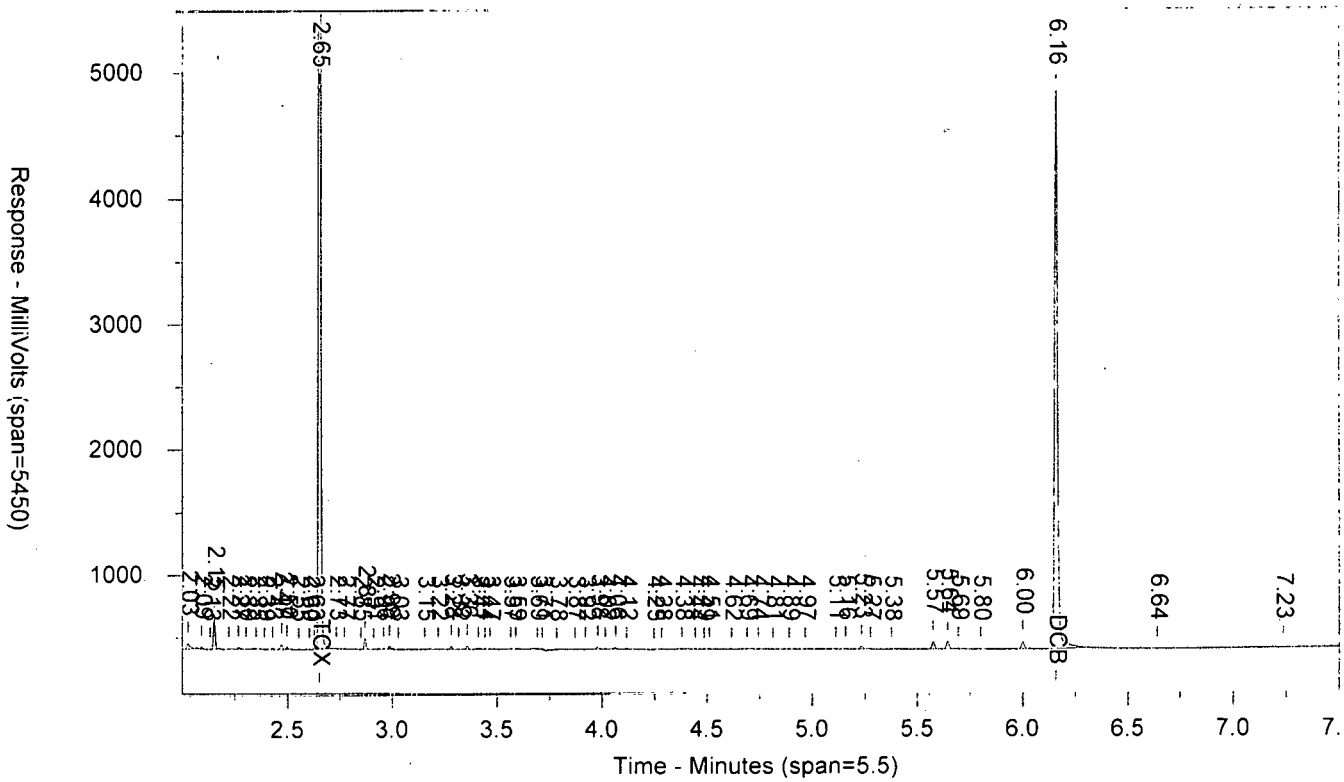


LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/17 ACF ABPBLK39251 BLK 172510039A 10225 SW-846 8082
Injected On: 9/17/2017 9:01:28 PM Sample Weight: 10
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

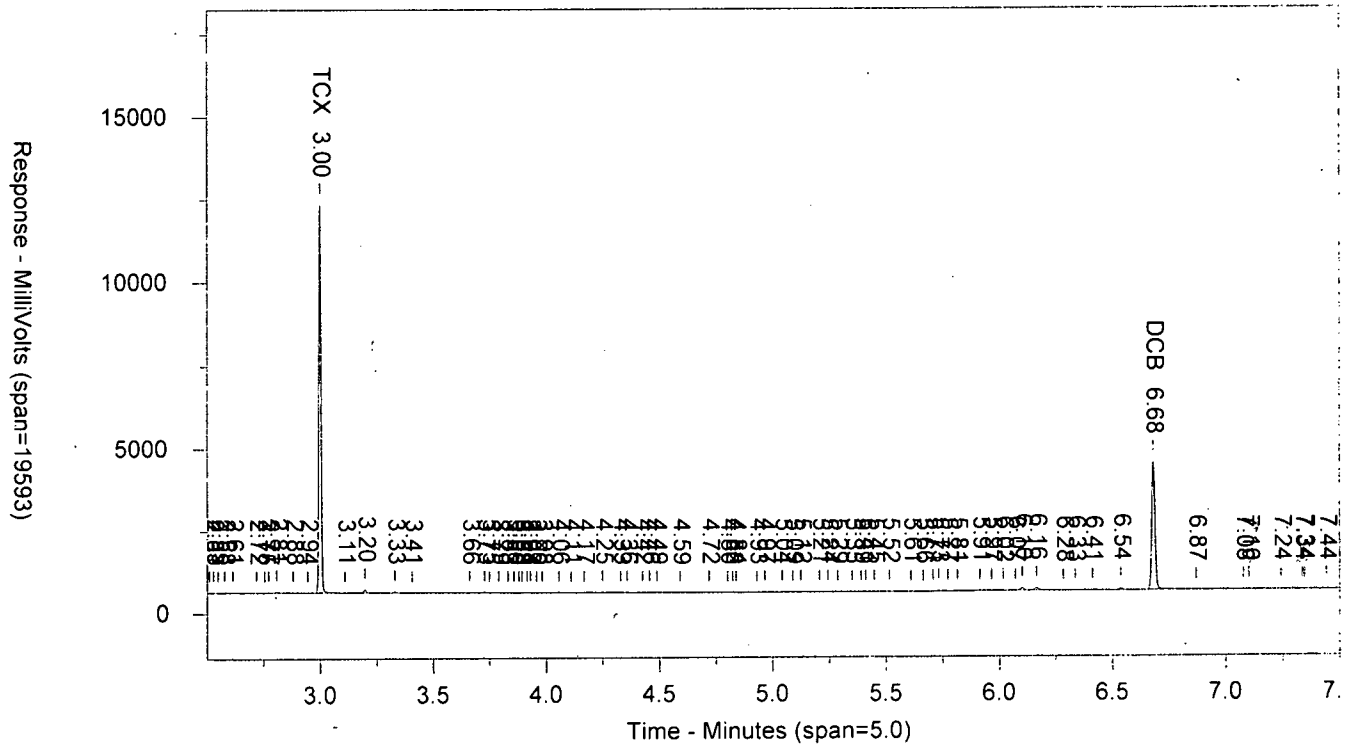
Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.999	11723570	30.974	TCX	2.652	12244890	31.508	TCX
6.682	3882640	28.765	DCB	6.159	4454944	27.965	DCB

Files:
Area File: 07pcbs17250008.0024.RAW
Area File: 07pcbs17250008B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/17/2017 9:10:14 PM
File Reported On: 9/17/2017 at 9:10:25 PM

BLANKA 9/10/17 ACF ABPBLK39251 BLK 172510039A 10225 SW-846 8

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250008.0024.RAW



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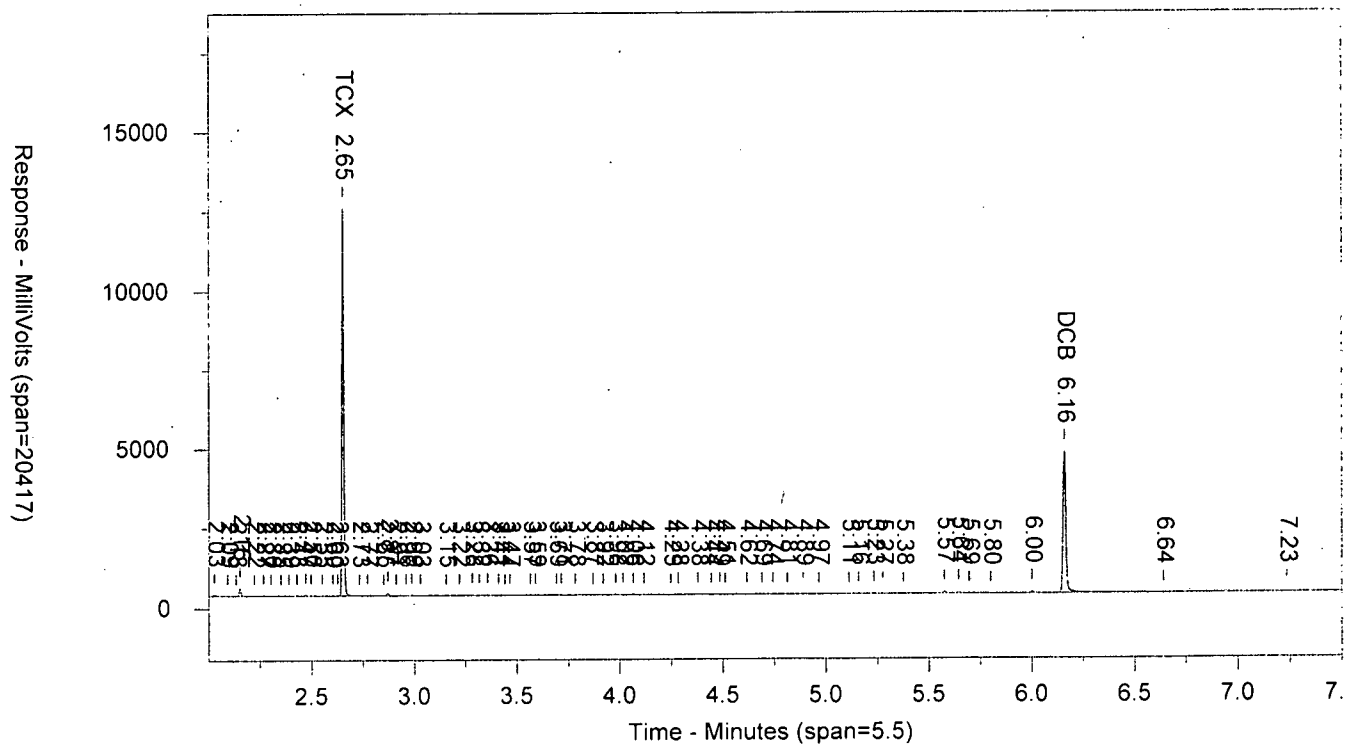

BLANKA 9/10/17 ACF ABPBLK39251 BLK 172510039A 10225 SW-846 8

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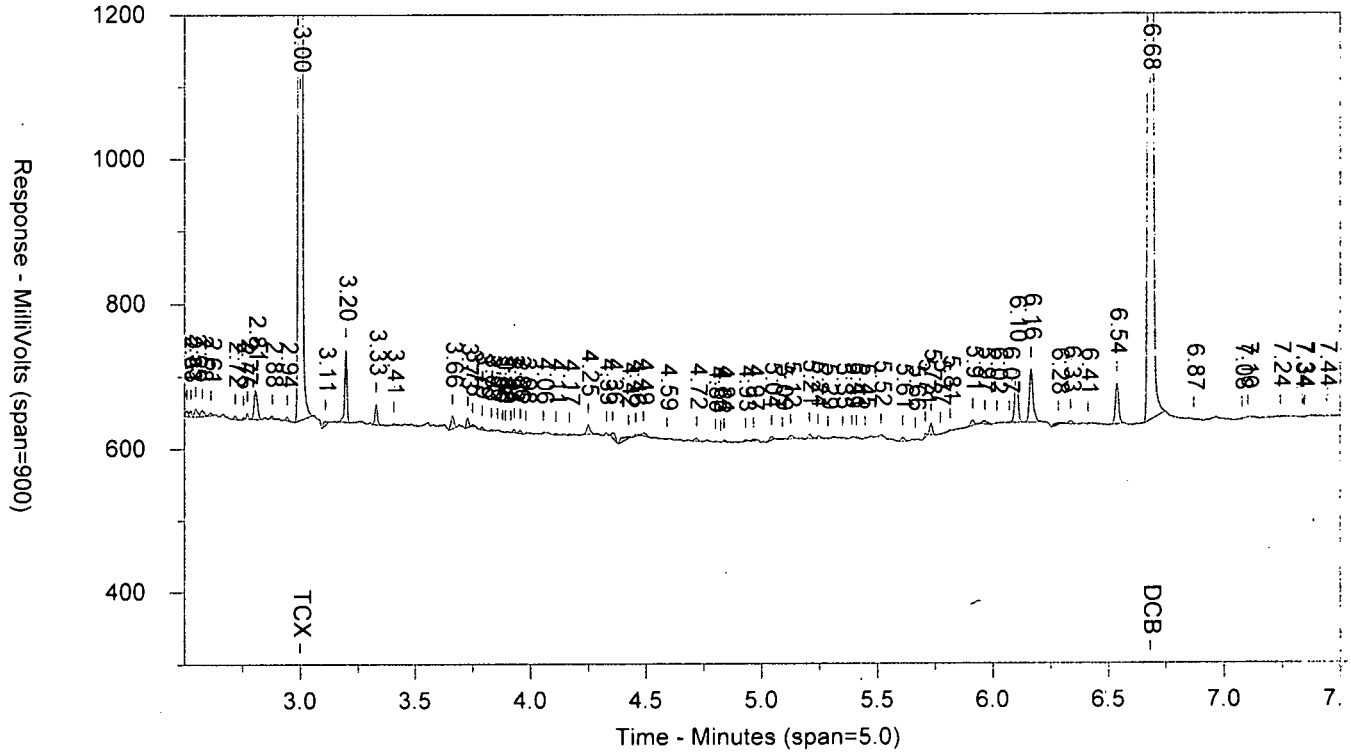

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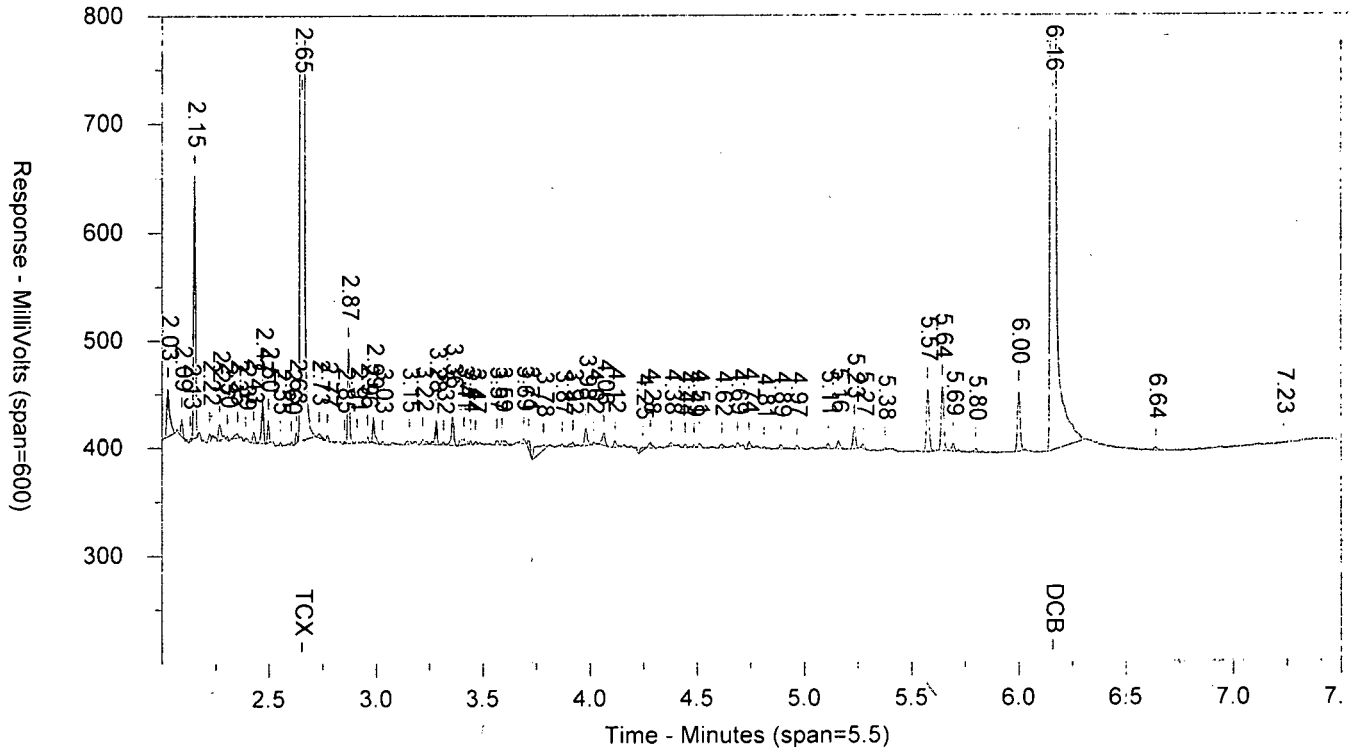

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Data Summary

Sample Name: LCSA 9/10/17 ACF LCS39251 LCS Sample ID: AB **Batchnumber: 172510039A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 17, 2017 21:12:59
Instrument	19843A
Result file	07PCBS17250008.0025.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 100% (61 - 152) Conc: 30.60195
%SSR(DCB) 108% (48 - 164) Conc: 29.433

Analysis Report (B)

Injected on	Sep 17, 2017 21:12:59
Instrument	19843B
Result file	07PCBS17250008B.0025.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 105% (61 - 152) Conc: 32.2338
%SSR(DCB) 105% (48 - 164) Conc: 28.3862

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	11582930	30.60195
Decachlorobiphenyl	6.65	6.68	6.71	3972833	29.433

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	12526780	32.2338
Decachlorobiphenyl	6.13	6.16	6.19	4522041	28.3862

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	32.2338				5.19	
☐ Tetrachloro-m-xylene-D1	A	30.60195					
☐ Tetrachloro-m-xylene-D2	B	32.2338					
☐ Decachlorobiphenyl	A	29.433				3.62	
☐ Decachlorobiphenyl-D1	A	29.433					
☐ Decachlorobiphenyl-D2	B	28.3862					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.50**	
3.23	3.25	3.27	2883595	438.617842			1
3.45	3.47	3.49	3038057	451.463486			2
3.56	3.58	3.60	3598321	448.554158			3
3.74	3.76	3.78	4011939	510.817674			4
3.78	3.80	3.82	4241897	460.203848			5
3.91	3.93	3.95	2619520	463.306817			6
Height summation:			**20393329**				
Concentration		CF:	**462.160638**	L:			
Aroclor-1260						**2.68**	
4.82	4.84	4.86	6560276	450.742574			1
5.02	5.04	5.06	6661532	466.28271			2
5.23	5.25	5.27	6640833	489.875403			3
5.45	5.47	5.49	3692035	470.311842			4
5.69	5.71	5.73	8961560	466.154536			5
5.89	5.91	5.93	5889409	468.448139			6
Height summation:			**38405645**				
Concentration		CF:	**468.635867**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.89**	
2.92	2.94	2.96	2924319	434.800511			1
3.12	3.14	3.16	3882748	453.928484			2
3.25	3.26	3.29	3753882	443.999692			3
3.40	3.42	3.44	4624292	510.325961			4
3.44	3.46	3.48	3874486	455.242643			5
3.57	3.59	3.61	3130275	446.5341			6
Height summation:			**22190002**				
Concentration		CF:	**457.471899**	L:			
Aroclor-1260						**3.52**	
4.35	4.37	4.39	6855884	460.02018			1
4.49	4.51	4.53	7944008	464.665989			2
4.60	4.61	4.64	6119224	442.657866			3
4.72	4.74	4.76	7692116	461.109693			4
5.14	5.16	5.18	10324930	479.386772			5
5.40	5.42	5.44	5543347	434.621784			6
Height summation:			**44479509**				
Concentration		CF:	**457.077047**	L:			

Valerie L. Tomayko
Principal Specialist

SEP 19 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:57:37

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Data Summary

Sample Name: LCSA 9/10/17 ACF LCS39251 LCS Sample ID: AB **Batchnumber: 172510039A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 17, 2017 21:12:59
Instrument	19843A
Result file	07PCBS17250008.0025.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

Analysis Report (B)

Injected on	Sep 17, 2017 21:12:59
Instrument	19843B
Result file	07PCBS17250008B.0025.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	462.160638	51	9.9		1.02	4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260	A	468.635867	51	11.7		2.50	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	930.796505	51	9.9				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:57:37

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 9/** 10/17 ACF LCS39251 Sample ID: AB **Batchnumber: 172510039A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 17, 2017 21:12:59
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0025.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**5.50**	
3.23	3.25	3.27	2883595	438.617842			1
3.45	3.47	3.49	3038057	451.463486			2
+ 3.45	3.48	3.49	1547871	230.017816			2
3.56	3.58	3.60	3598321	448.554158			3
+ 3.74	3.75	3.78	2047288	260.66969			4
3.74	3.76	3.78	4011939	510.817674			4
3.78	3.80	3.82	4241897	460.203848			5
3.91	3.93	3.95	2619520	463.306817			6
Height Summation:			**20393329**				
Amount Avg CF:			**462.160638**	Linear:			
Aroclor-1221					**3**	**38.80**	
3.13	3.15	3.17	467282.9	153.514384			1
E 3.18	3.20	3.22	642960.1	230.924435			2
E 3.23	3.25	3.27	2883595	340.027343			3
Height Summation:			**3993838**				
Amount Avg CF:			**241.48872**	Linear:			
Aroclor-1232					**6**	**30.66**	
E 3.23	3.25	3.27	2883595	373.86983			1
E 3.45	3.47	3.49	3038057	943.295893			2
E+ 3.45	3.48	3.49	1547871	480.603345			2
E 3.56	3.58	3.60	3598321	932.413427			3
E+ 3.74	3.75	3.78	2047288	565.52425			4
E 3.74	3.76	3.78	4011939	1108.221606			4
E 3.78	3.80	3.82	4241897	938.954323			5
E 3.91	3.93	3.95	2619520	1151.838669			6
Height Summation:			**20393329**				
Amount Avg CF:			**908.098958**	Linear:			
Aroclor-1242					**6**	**3.67**	
E 3.23	3.25	3.27	2883595	327.581114			1
E 3.45	3.47	3.49	3038057	343.30694			2
+ 3.45	3.48	3.49	1547871	174.912734			2
E 3.56	3.58	3.60	3598321	341.127079			3
+ 3.74	3.75	3.78	2047288	176.141706			4
E 3.74	3.76	3.78	4011939	345.173605			4
E 3.78	3.80	3.82	4241897	332.699631			5
E 3.91	3.93	3.95	2619520	364.007512			6
Height Summation:			**20393329**				
Amount Avg CF:			**342.31598**	Linear:			
Aroclor-1248					**6**	**53.07**	
E 3.78	3.80	3.82	4241897	933.554252			1
3.84	3.86	3.88	3709540	767.439701			2
3.91	3.93	3.95	2619520	325.469492			3
4.03	4.06	4.07	2823370	310.666614			4
4.12	4.15	4.16	2925074	371.751588			5
4.30	4.31	4.34	2914147	346.735266			6
+ 4.30	4.33	4.34	649723.1	77.306296			6
Height Summation:			**19233548**				
Amount Avg CF:			**509.269485**	Linear:			

Analysis Report (B)

Injected on : Sep 17, 2017 21:12:59
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0025.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**5.89**	
2.92	2.94	2.96	2924319	434.800511			1
3.12	3.14	3.16	3882748	453.928484			2
3.25	3.26	3.29	3753882	443.999692			3
+ 3.40	3.41	3.44	1991933	219.825029			4
3.40	3.42	3.44	4624292	510.325961			4
+* 3.40	3.44	3.44	147458.6	16.273183			4
+* 3.44	3.44	3.48	147458.6	17.326025			5
3.44	3.46	3.48	3874486	455.242643			5
3.57	3.59	3.61	3130275	446.5341			6
+ 3.57	3.61	3.61	942573.4	134.458207			6
Height Summation:			**22190002**				
Amount Avg CF:			**457.471899**	Linear:			
Aroclor-1221					**3**	**33.23**	
2.80	2.82	2.84	586583.6	160.122693			1
+ 2.86	2.87	2.90	47793.35	20.798969			2
E 2.86	2.88	2.90	603044.9	262.436352			2
E 2.92	2.94	2.96	2924319	323.752933			3
Height Summation:			**4113947.5**				
Amount Avg CF:			**248.77066**	Linear:			
Aroclor-1232					**6**	**30.84**	
E 2.92	2.94	2.96	2924319	355.39534			1
E 3.12	3.14	3.16	3882748	899.070603			2
E 3.25	3.26	3.29	3753882	898.703111			3
E+ 3.40	3.41	3.44	1991933	477.67949			4
E 3.40	3.42	3.44	4624292	1108.937623			4
+* 3.44	3.44	3.48	147458.6	34.724652			5
+* 3.40	3.44	3.44	147458.6	35.361605			4
E 3.44	3.46	3.48	3874486	912.3929			5
E 3.57	3.59	3.61	3130275	1062.072149			6
E+ 3.57	3.61	3.61	942573.4	319.806073			6
Height Summation:			**22190002**				
Amount Avg CF:			**872.761954**	Linear:			
Aroclor-1242					**6**	**20.03**	
E 2.92	2.94	2.96	2924319	314.417885			1
E 3.12	3.14	3.16	3882748	514.062569			2
E 3.25	3.26	3.29	3753882	339.681401			3
+ 3.40	3.41	3.44	1991933	151.39214			4
E 3.40	3.42	3.44	4624292	351.458338			4
+* 3.44	3.44	3.48	147458.6	12.517761			5
+* 3.40	3.44	3.44	147458.6	11.207241			4
E 3.44	3.46	3.48	3874486	328.905131			5
E 3.57	3.59	3.61	3130275	353.251149			6
+ 3.57	3.61	3.61	942573.4	106.369292			6
Height Summation:			**22190002**				
Amount Avg CF:			**366.962746**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 9/** 10/17 ACF LCS39251 Sample ID: AB **Batchnumber: 172510039A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 17, 2017 21:12:59
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0025.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	88.87	
4.29	4.31	4.32	2914147	321.565087			1
+ 4.63	4.66	4.67	375308.4	39.0499			2
4.63	4.67	4.67	733838	76.354008			2
4.69	4.72	4.73	1954162	96.109332			3
4.91	4.93	4.95	1050624	84.52871			4
5.11	5.13	5.15	2971050	417.772845			5
5.23	5.25	5.27	6640833	710.839322			6
Height Summation:			**16264654**				
Amount Avg CF:			**284.528217**	Linear:			
Aroclor-1260					6	2.68	
4.82	4.84	4.86	6560276	450.742574			1
5.02	5.04	5.06	6661532	466.28271			2
5.23	5.25	5.27	6640833	489.875403			3
5.45	5.47	5.49	3692035	470.311842			4
5.69	5.71	5.73	8961560	466.154536			5
5.89	5.91	5.93	5889409	468.448139			6
Height Summation:			**38405645**				
Amount Avg CF:			**468.635867**	Linear:			
Aroclor-1262					6	30.57	
E 5.29	5.31	5.33	3174632	272.577038			1
E 5.45	5.47	5.49	3692035	356.588644			2
E 5.69	5.71	5.73	8961560	394.465986			3
E 5.89	5.91	5.93	5889409	379.816407			4
5.95	5.97	5.99	1182780	151.599841			5
E 6.31	6.33	6.35	1822194	260.466121			6
Height Summation:			**24722610**				
Amount Avg CF:			**302.585673**	Linear:			
Aroclor-1268					6	93.37	
E 5.89	5.91	5.93	5889409	211.727766			1
5.95	5.97	5.99	1182780	49.173714			2
6.08	6.10	6.12	179248.2	7.765352			3
+ 6.14	6.15	6.18	70533.34	11.638238			4
6.14	6.18	6.18	918525	151.559713			4
E 6.31	6.33	6.35	1822194	256.167592			5
6.51	6.54	6.55	521285.8	11.134126			6
Height Summation:			**10513442**				
Amount Avg CF:			**114.588044**	Linear:			

Analysis Report (B)

Injected on : Sep 17, 2017 21:12:59
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0025.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	59.74	
+ 3.44	3.44	3.48	147458.6	37.829327			1
E 3.44	3.46	3.48	3874486	993.968464			1
3.51	3.53	3.55	4344898	813.101992			2
3.55	3.57	3.59	3024654	328.705268			3
3.67	3.69	3.71	3605834	325.920744			4
+ 3.76	3.77	3.80	798491.6	104.376319			5
3.76	3.78	3.80	2805854	366.772438			5
3.90	3.92	3.94	3834606	263.504859			6
Height Summation:			**21490332**				
Amount Avg CF:			**515.328961**	Linear:			
Aroclor-1254					6	111.27	
4.20	4.22	4.24	823318.9	71.340937			1
+ 4.26	4.26	4.30	838105.4	41.072378			2
+ 4.26	4.28	4.30	637302.7	31.231796			2
4.26	4.30	4.30	2136891	104.720951			2
4.35	4.37	4.39	6855884	715.281234			3
4.42	4.44	4.46	605044.9	48.004784			4
4.64	4.67	4.68	757000.6	85.310462			5
4.72	4.74	4.76	7692116	547.119704			6
Height Summation:			**18870255.4**				
Amount Avg CF:			**261.963012**	Linear:			
Aroclor-1260					6	3.52	
4.35	4.37	4.39	6855884	460.02018			1
4.49	4.51	4.53	7944008	464.665989			2
4.60	4.61	4.64	6119224	442.657866			3
4.72	4.74	4.76	7692116	461.109693			4
5.14	5.16	5.18	10324930	479.386772			5
5.40	5.42	5.44	5543347	434.621784			6
Height Summation:			**44479509**				
Amount Avg CF:			**457.077047**	Linear:			
Aroclor-1262					6	23.95	
E 4.76	4.78	4.80	3777790	231.607467			1
E 4.95	4.97	4.99	4664369	307.295687			2
E 5.14	5.16	5.18	10324930	368.657801			3
5.36	5.37	5.40	1869653	184.575743			4
E 5.40	5.42	5.44	5543347	324.426784			5
E 5.78	5.80	5.82	1905428	260.560348			6
Height Summation:			**28085517**				
Amount Avg CF:			**279.520638**	Linear:			
Aroclor-1268					6	115.41	
5.36	5.37	5.40	1869653	64.422407			1
5.40	5.42	5.44	5543347	199.214014			2
5.56	5.57	5.60	145109.6	6.237545			3
5.62	5.64	5.66	108106.2	19.089364			4
E 5.78	5.80	5.82	1905428	238.917242			5
5.98	6.00	6.02	500163.5	9.112858			6
Height Summation:			**10071807.3**				
Amount Avg CF:			**89.498905**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 9/** 10/17 ACF LCS39251 Sample ID: AB **Batchnumber: 172510039A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 17, 2017 21:12:59
Instrument : CP 7--19843A
Result file : 07PCBS17250008.0025.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 17, 2017 21:12:59
Instrument : CP 7--19843B
Result file : 07PCBS17250008B.0025.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						1.02	4	40	
Aroclor-1221						2.97	3	40	
Aroclor-1232						3.97	4	40	
Aroclor-1242						6.95	4	40	
Aroclor-1248						1.18	4	40	
Aroclor-1254						8.26	4	40	
Aroclor-1260						2.50	4	40	
Aroclor-1262						7.92	4	40	
Aroclor-1268						24.59	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/17 ACF ABLCS39251 LCS 172510039A 10225 SW-846 8082
Injected On: 9/17/2017 9:12:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.655		35153	78175
1.743		39333	53154
1.806		10715	13231
1.861		3068	2205
1.972		6181	6012
2.066		2393	1540
2.105		10369	14618
2.147		22310	33950
2.179		17445	19620
2.202		451343	322962
2.235		13138	9465
2.269		41388	37374
2.295		32719	22763
2.391		103430	82940
2.435		14398	13199
2.462		236569	149028
2.48		9717	4873
2.548		9239	9745
2.576		20097	17971
2.635		32549	20963
2.668		13590	11612
2.718		3443	3521
2.759		7653	4964
2.807		32793	29311
2.847		12238	11191
2.912		7015	4244
2.934		10592	10288
3	TCX	11582930	7483548
3.099		9308	7175
3.148		467283	399279
3.18		3756	1910
3.204		642960	453182
3.252		2883595	1898894
3.345		374086	281630
3.387		11478	6837
3.409		7490	5559
3.467		3038057	1782643
3.484		1547871	806544
3.521		374268	218232
3.537		49893	20527
3.549		201476	106075
3.582		3598321	2546625
3.618		20732	10759
3.633		15851	7908
3.657		150289	105342
3.692		821782	477858
3.706		418907	212237
3.728		4091	1158
3.75		2047288	1149577
3.762		4011939	2006003
3.801		4241897	3173702
3.861		3709540	2753362
3.902		302922	210455

RT A	Compound A	Height A	Area A
3.93		2619520	1834221
3.957		1797746	1443957
3.979		535823	277323
4.056		2823370	1977546
4.08		1015333	682229
4.112		1066874	773485
4.146		2925074	2759188
4.187		860011	708856
4.234		135672	112458
4.274		184129	141290
4.308		2914147	2020986
4.327		649723	335938
4.351		746467	587043
4.421		450705	390058
4.464		3025175	2791558
4.499		102186	71634
4.539		2900	1133
4.562		31198	22703
4.604		260359	241490
4.656		375308	248897
4.672		733838	510341
4.717		1954162	1707593
4.766		2956998	3173846
4.803		718166	489640
4.843		6560276	5968353
4.888		37490	33486
4.93		1050625	1052164
4.963		63497	40109
4.99		1026471	960903
5.042		6661533	8074695
5.094		1218967	1092894
5.134		2971050	3093521
5.176		26163	12536
5.213		513819	608779
5.247		6640833	5830058
5.269		258993	135165
5.288		67821	28762
5.313		3174633	2835269
5.354		2077556	1841122
5.449		820963	650790
5.474		3692035	3153634
5.531		2025779	1775343
5.568		1173086	1157353
5.61		209024	209279
5.651		1282745	1346400
5.708		8961560	9329528
5.794		9379	13486
5.856		5254	4035
5.911		5889409	5225227
5.942		289052	202989
5.966		1182780	1345977
6.058		3105	1072
6.101		179248	176255
6.155		70533	52226
6.181		918525	849429
6.284		16377	42294
6.335		1822194	1866938
6.38		141332	129414
6.536		521286	509596
6.61		1909	773
6.683	DCB	3972833	3976489
6.929		1239	442
6.963		1157	765
7.032		1418	564
7.074		1607	603
7.093		1598	671

RT A	Compound A	Height A	Area A
7.143		1417	538
7.384		1218	469
7.442		1498	671
7.479		1144	294
7.972		1374	466
8.016		1050	538
8.042		1416	957
8.1		1700	1269
8.2		1432	1169
8.283		2009	836
8.319		1498	746
8.428		1414	725
8.535		1474	712
8.555		1409	344
8.63		896	310
8.674		1091	794

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/17 ACF ABLCS39251 LCS 172510039A 10225 SW-846 8082
Injected On: 9/17/2017 9:12:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250008B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.56		9850	30590
1.661		10670	9984
1.764		12473	11279
1.795		5953	5411
1.824		2284	2201
1.864		19797	20002
1.91		455811	316836
1.959		112997	107020
2.027		53814	47066
2.072		15856	9839
2.091		13606	7640
2.132		4875	2305
2.151		242968	139089
2.171		17067	10014
2.236		8544	8429
2.27		27697	23116
2.302		3555	1958
2.336		39750	28427
2.366		16585	10430
2.399		4181	3808
2.428		10653	7920
2.47		37905	34183
2.497		10284	5331
2.555		16739	14598
2.607		8641	5409
2.626		8406	4157
2.652	TCX	12526780	7447628
2.695		256340	198280
2.736		13048	11972
2.773		3943	3992
2.822		586584	394227
2.869		47793	19085
2.883		603045	341236
2.91		7478	4353
2.936		2924319	1836738
2.987		23857	24306
3.046		413984	260542
3.075		7660	6795
3.142		3882748	3734988
3.194		482736	295058
3.215		213903	120457
3.241		317751	181422
3.264		3753882	2469214
3.301		131840	78389
3.348		979048	509423
3.363		532302	260989
3.39		9697	4414
3.413		1991933	964770
3.423		4624292	1954116
3.443		147459	50366
3.456		3874486	2607182
3.531		4344898	2615861
3.566		3024655	1776086
3.589		3130275	1700500

3.607		942573	496315
3.693		3605834	2302391
3.715		1318417	711841
3.736		1227668	714410
3.766		798492	410524
3.784		2805854	1754103
3.826		994411	718037
3.874		128750	113324
3.896		723452	418192
3.917		3834606	2517655
3.943		738161	444446
3.963		123062	57835
3.982		454173	281451
4.018		3100461	2114109
4.052		123512	73511
4.067		246568	150835
4.128		26456	21481
4.164		217106	196335
4.221		823319	591929
4.264		838105	501577
4.282		637303	335755
4.295		2136891	1183690
4.321		1237110	1230839
4.374		6855885	5046555
4.422		86855	67288
4.444		605045	404232
4.469		1479343	1069475
4.511		7944009	6102869
4.615		6119224	6005976
4.668		757001	626991
4.706		1687526	1424063
4.743		7692117	6390161
4.776		3777790	2579393
4.814		2595181	2013506
4.914		795229	558390
4.931		72199	34602
4.965		4664369	3642109
4.989		582170	364659
5.04		2316591	2097954
5.076		1170567	931450
5.106		845179	680122
5.138		281969	172640
5.16		10324930	8324360
5.2		188681	135203
5.232		374069	296540
5.351		105765	63360
5.375		1869653	1562180
5.419		5543347	6153283
5.574		145110	129375
5.62		139764	101791
5.643		108106	78750
5.692		973813	860479
5.8		1905428	1645766
5.831		98157	72511
5.999		500164	475215
6.159	DCB	4522041	4364729
8.293		8263	16331
8.474		1751	1605

LCSA 9/10/17 ACF ABLCS39251 LCS 172510039A 10225 SW-846 80

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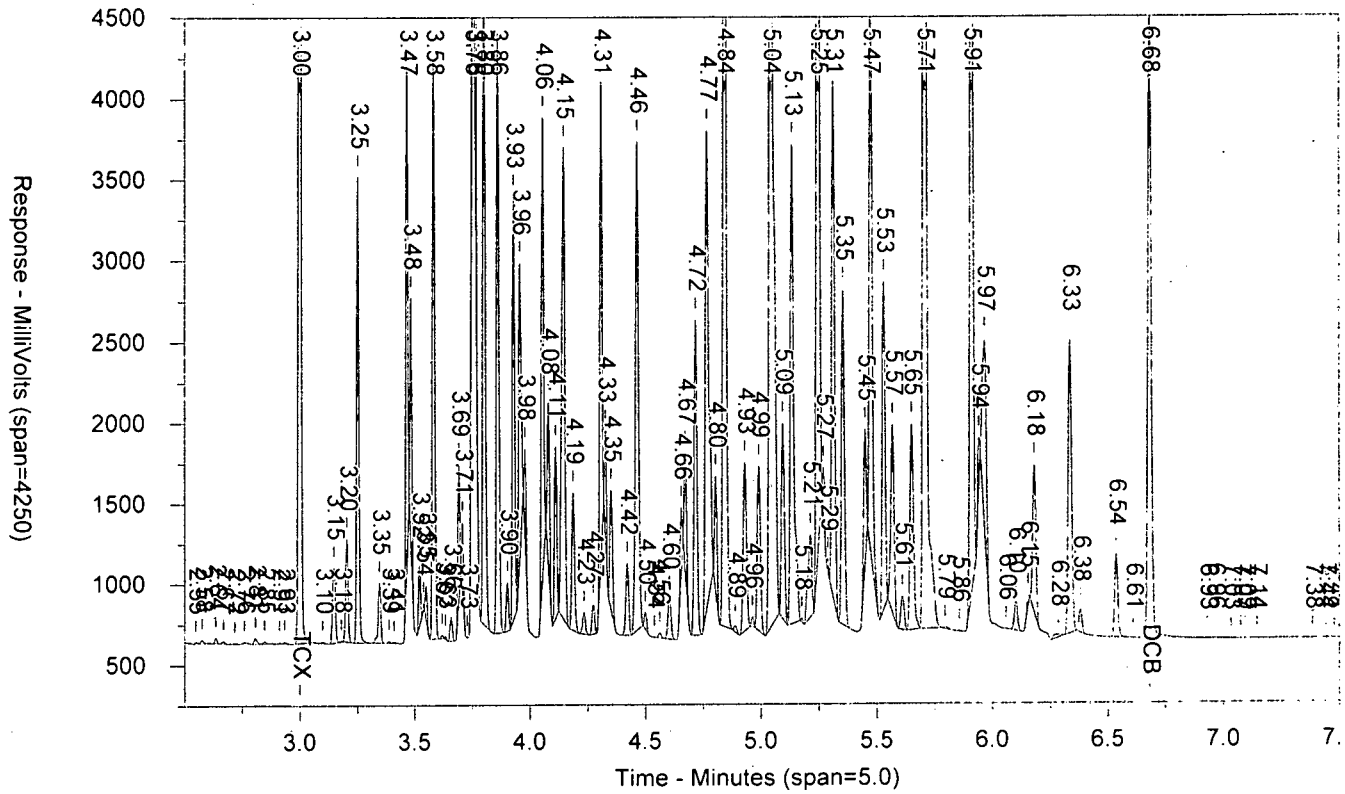

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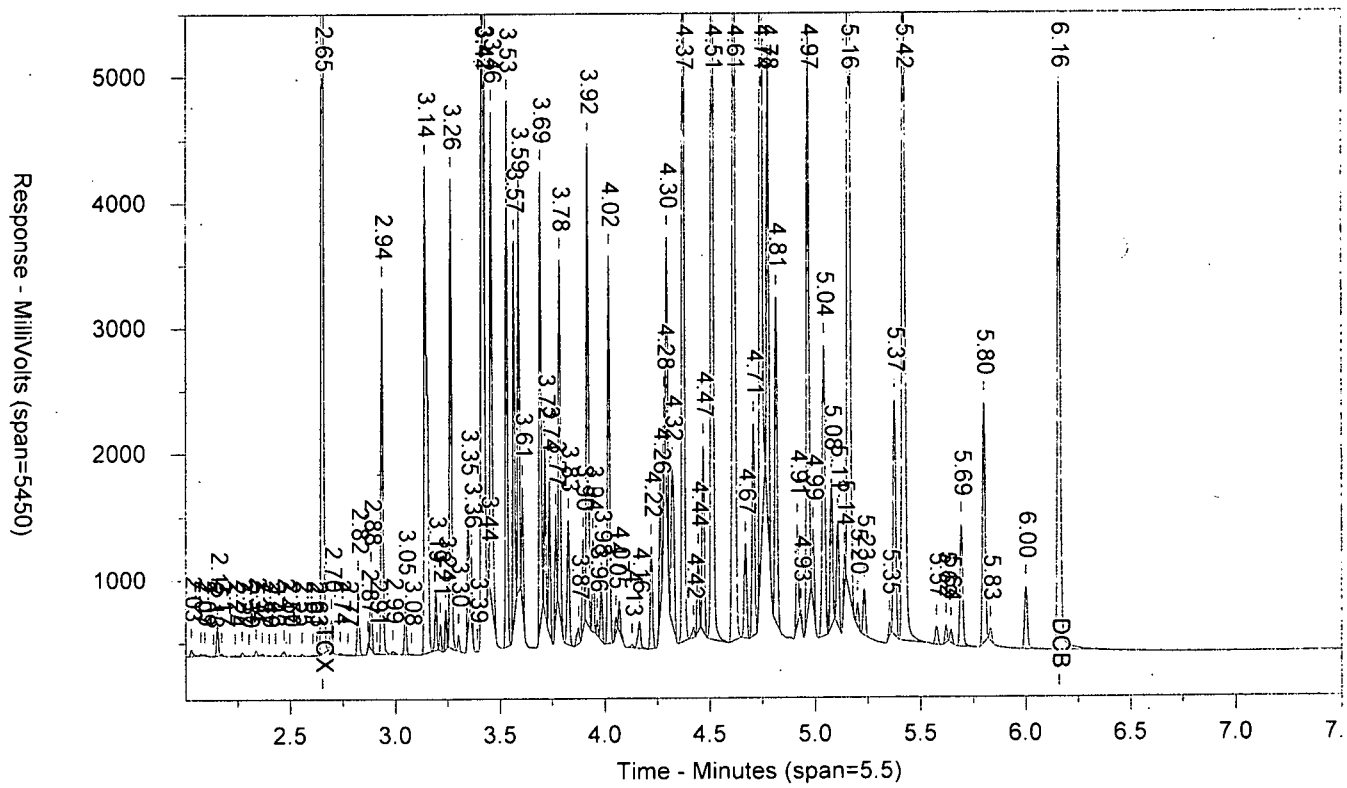

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/17 ACF ABLCS39251 LCS 172510039A 10225 SW-846 8082
Injected On: 9/17/2017 9:12:59 PM Sample Weight: 10
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	11582930	30.602	TCX	2.652	12526780	32.234	TCX
6.683	3972833	29.433	DCB	6.159	4522041	28.386	DCB

Files:
Area File: 07pcbs17250008.0025.RAW
Area File: 07pcbs17250008B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/17/2017 9:21:45 PM
File Reported On: 9/17/2017 at 9:21:53 PM

LCSA 9/10/17 ACF ABLCS39251 LCS 172510039A 10225 SW-846 80

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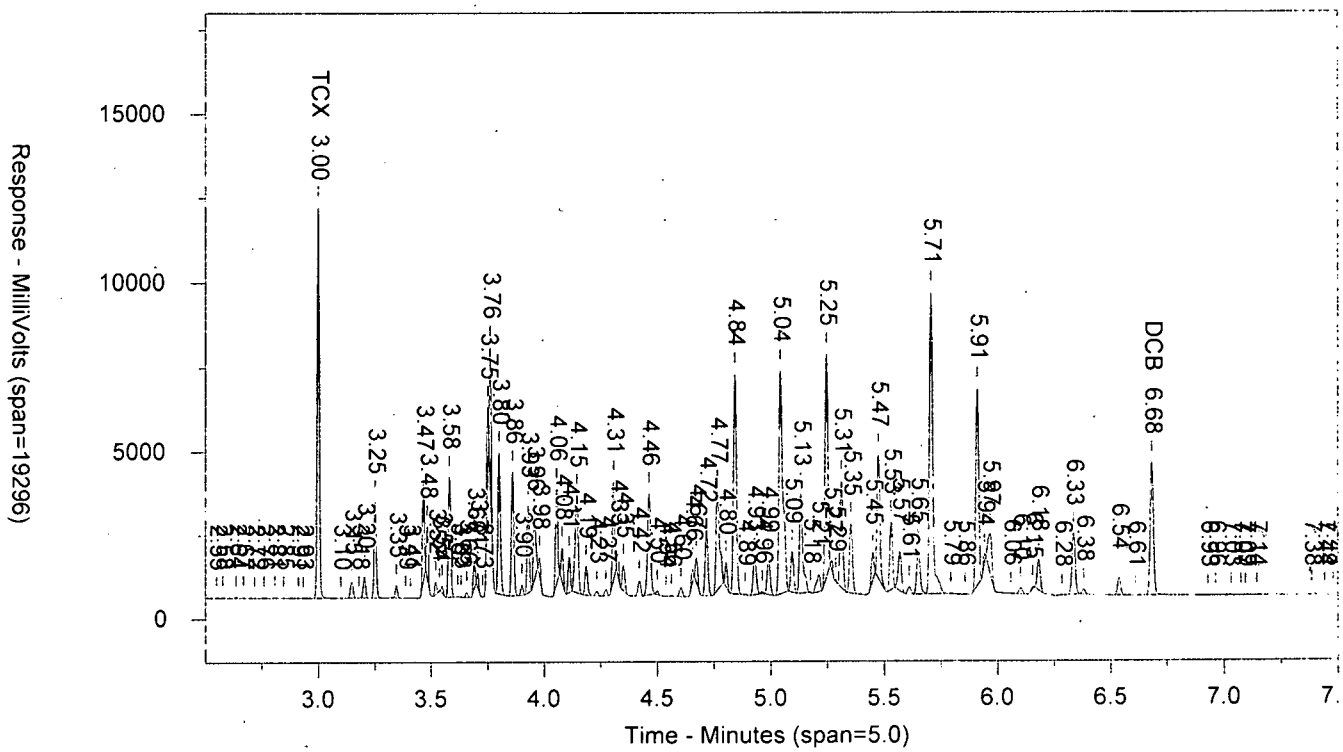

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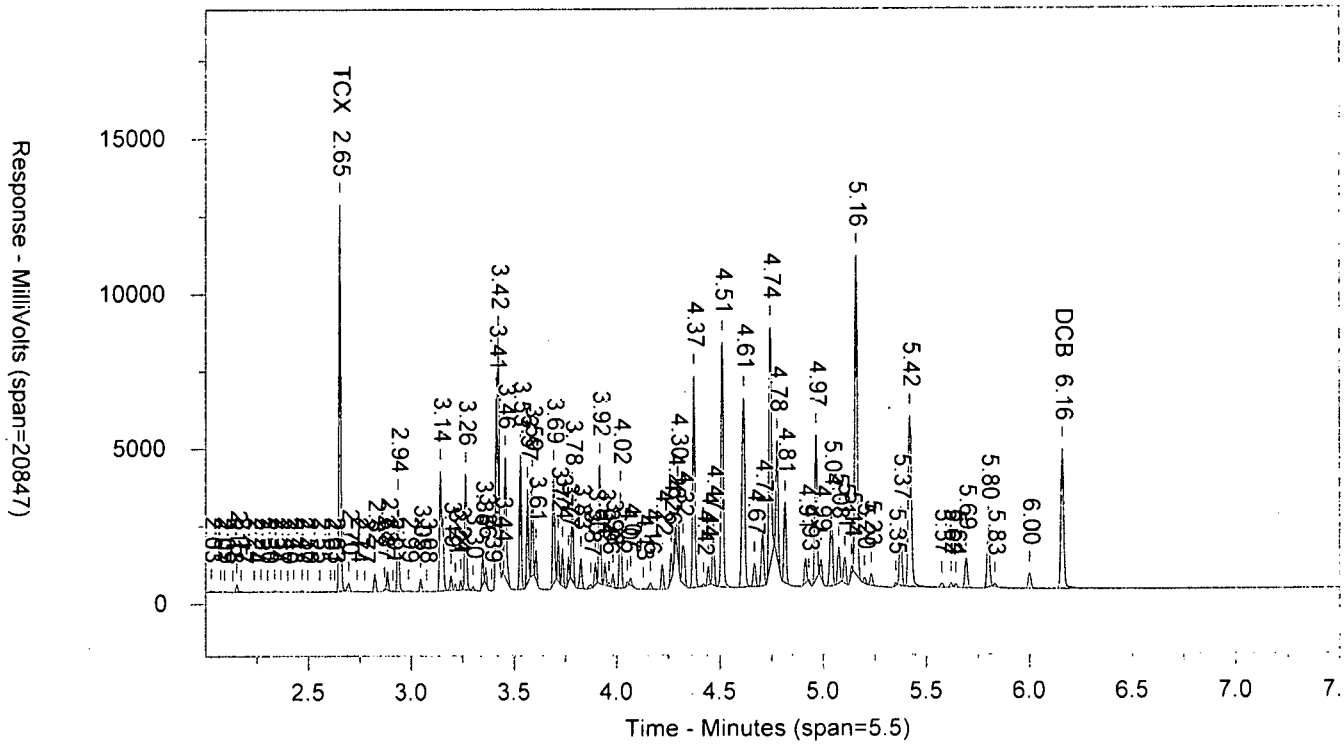

LCSA 9/10/17 ACF ABLCS39251 LCS 172510039A 10225 SW-846 80

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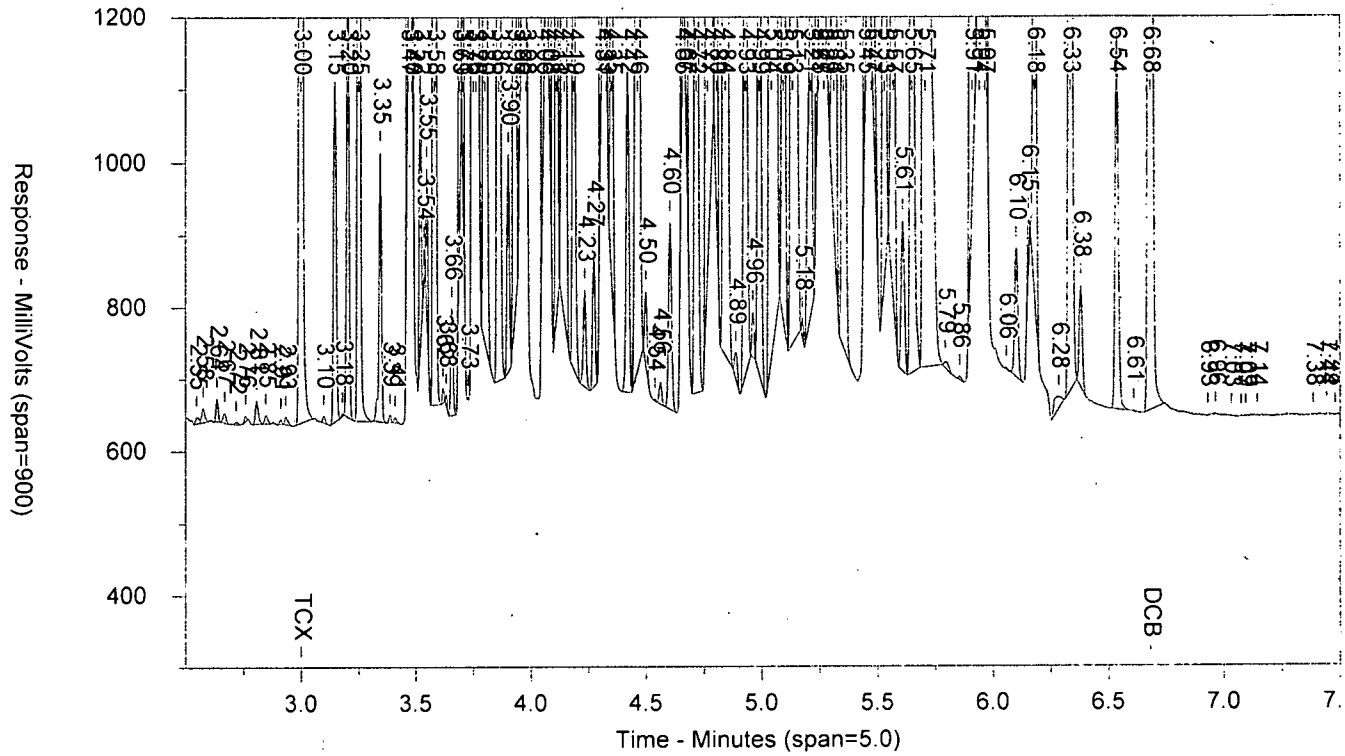

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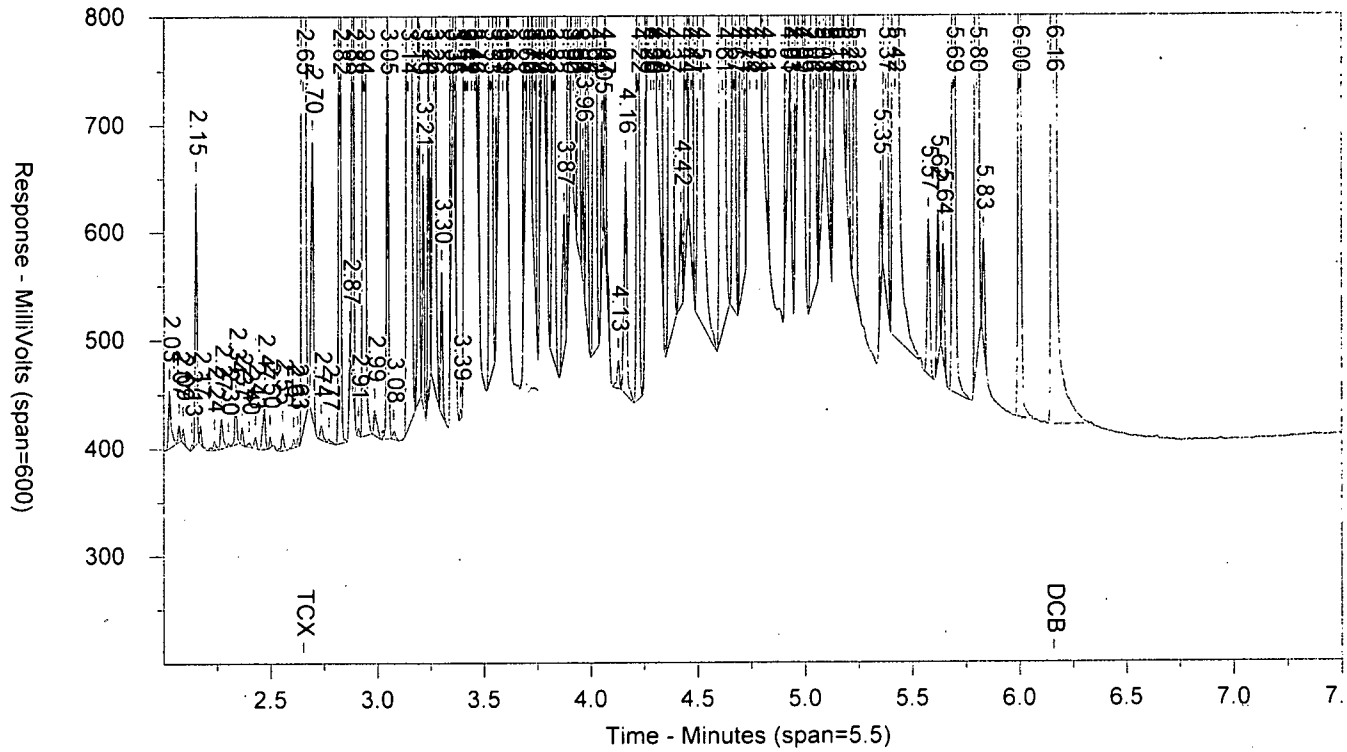

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Data Summary

Sample Name: BLANKA 9/10/17 CAF PBLK40251 BLK Sample ID: AD **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 19:00:59
Instrument	19843A
Result file	07PCBS17250007.0056.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 108% (61 - 152) Conc: 33.01035
%SSR(DCB) 105% (48 - 164) Conc: 28.52111

Analysis Report (B)

Injected on	Sep 15, 2017 19:00:59
Instrument	19843B
Result file	07PCBS17250007B.0056.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 111% (61 - 152) Conc: 33.93357
%SSR(DCB) 111% (48 - 164) Conc: 30.23358

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	12494510	33.01035	Tetrachloro-m-xylene	2.62	2.65	2.68	13187350	33.93357
Decachlorobiphenyl	6.65	6.68	6.71	3849748	28.52111	Decachlorobiphenyl	6.13	6.16	6.19	4816336	30.23358

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	33.93357				2.76	
Tetrachloro-m-xylene-D1	A	33.01035					
Tetrachloro-m-xylene-D2	B	33.93357					
Decachlorobiphenyl	B	30.23358				5.83	
Decachlorobiphenyl-D1	A	28.52111					
Decachlorobiphenyl-D2	B	30.23358					

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<9.9			4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260			<51	<11.7			4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs			<51	<9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:23

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 9/10/17 CAF PBLK40251 ID: AD **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 19:00:59
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0056.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 33.01035
%SSR(DCB) : 105% (48-164) Conc.: 28.52111

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	73.09	
3.23	3.27	3.27	8858.153	1.347396			1
3.45	3.46	3.49	3140.646	0.466708			2
3.56	3.57	3.60	4046.5	0.504423			3
3.78	3.80	3.82	1599.152	0.173492			5
+ 3.91	3.91	3.95	853.268	0.150915			6
3.91	3.93	3.95	2925.395	0.517406			6
Height Summation:			20569.846				
Amount Avg CF:			0.601885	Linear:			
Aroclor-1221					3	162.83	
3.13	3.15	3.17	1586.84	0.521318			1
3.18	3.20	3.22	104639.3	37.58207			2
3.23	3.27	3.27	8858.153	1.044534			3
Height Summation:			115084.293				
Amount Avg CF:			13.049307	Linear:			
Aroclor-1232					5	37.36	
3.23	3.27	3.27	8858.153	1.148496			1
3.45	3.46	3.49	3140.646	0.975149			2
3.56	3.57	3.60	4046.5	1.048548			3
3.78	3.80	3.82	1599.152	0.353976			5
+ 3.91	3.91	3.95	853.268	0.375194			6
3.91	3.93	3.95	2925.395	1.286336			6
Height Summation:			20569.846				
Amount Avg CF:			0.962501	Linear:			
Aroclor-1242					5	72.01	
3.23	3.27	3.27	8858.153	1.006301			1
3.45	3.46	3.49	3140.646	0.3549			2
3.56	3.57	3.60	4046.5	0.383615			3
3.78	3.80	3.82	1599.152	0.125424			5
+ 3.91	3.91	3.95	853.268	0.11857			6
3.91	3.93	3.95	2925.395	0.406512			6
Height Summation:			20569.846				
Amount Avg CF:			0.45535	Linear:			
Aroclor-1248					5	51.01	
3.78	3.80	3.82	1599.152	0.35194			1
+ 3.84	3.85	3.88	1249.25	0.258448			2
3.84	3.88	3.88	2312.372	0.47839			2
+ 3.91	3.91	3.95	853.268	0.106017			3
3.91	3.93	3.95	2925.395	0.363474			3
4.03	4.06	4.07	2507.995	0.275965			4
4.30	4.33	4.34	7378.951	0.877973			6
Height Summation:			16723.865				
Amount Avg CF:			0.469548	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 19:00:59
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0056.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 111% (61-152) Conc.: 33.93357
%SSR(DCB) : 111% (48-164) Conc.: 30.23358

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	80.49	
2.92	2.94	2.96	9002.984	1.338603			1
3.12	3.16	3.16	4750.236	0.555346			2
3.40	3.41	3.44	2862.363	0.315884			4
3.44	3.47	3.48	1686.113	0.198114			5
3.57	3.59	3.61	2844.306	0.405741			6
Height Summation:			21146.002				
Amount Avg CF:			0.562737	Linear:			
Aroclor-1221					2	134.48	
2.86	2.87	2.90	90998.91	39.601399			2
2.92	2.94	2.96	9002.984	0.996725			3
Height Summation:			100001.894				
Amount Avg CF:			20.299062	Linear:			
Aroclor-1232					5	35.71	
2.92	2.94	2.96	9002.984	1.094141			1
3.12	3.16	3.16	4750.236	1.099942			2
3.40	3.41	3.44	2862.363	0.686415			4
3.44	3.47	3.48	1686.113	0.397058			5
3.57	3.59	3.61	2844.306	0.965046			6
Height Summation:			21146.002				
Amount Avg CF:			0.84852	Linear:			
Aroclor-1242					5	74.82	
2.92	2.94	2.96	9002.984	0.967986			1
3.12	3.16	3.16	4750.236	0.628915			2
3.40	3.41	3.44	2862.363	0.217547			4
3.44	3.47	3.48	1686.113	0.143134			5
3.57	3.59	3.61	2844.306	0.32098			6
Height Summation:			21146.002				
Amount Avg CF:			0.455712	Linear:			
Aroclor-1248					3	23.87	
3.44	3.47	3.48	1686.113	0.432559			1
3.55	3.56	3.59	2434.594	0.26458			3
3.90	3.92	3.94	5386.899	0.370175			6
Height Summation:			9507.606				
Amount Avg CF:			0.355771	Linear:			
Aroclor-1254					5	59.65	
4.26	4.28	4.30	4878.614	0.239082			2
4.35	4.37	4.39	8514.418	0.888318			3
4.42	4.44	4.46	3511.781	0.278628			4
4.64	4.67	4.68	3962.537	0.44656			5
4.72	4.74	4.76	13112.22	0.932637			6
Height Summation:			33979.57				
Amount Avg CF:			0.557045	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 9/10/17 CAF PBLK40251 ID: AD **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 19:00:59
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0056.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**5**	**72.51**	
4.63	4.65	4.67	2833.187	0.294786			2
4.69	4.72	4.73	4782.943	0.235234			3
4.91	4.93	4.95	4800.464	0.386225			4
5.11	5.13	5.15	6248.345	0.878608			5
5.23	5.25	5.27	11777.9	1.260714			6
Height Summation:			**30442.839**				
Amount Avg CF:			**0.611114**	Linear:			
Aroclor-1260					**6**	**42.50**	
4.82	4.84	4.86	6918.162	0.475332			1
5.02	5.04	5.06	13154.54	0.920769			2
5.23	5.25	5.27	11777.9	0.868822			3
5.45	5.47	5.49	10125.28	1.289814			4
5.69	5.71	5.73	11209.34	0.583078			5
5.89	5.91	5.93	19046.64	1.514984			6
Height Summation:			**72231.862**				
Amount Avg CF:			**0.942133**	Linear:			
Aroclor-1262					**6**	**42.82**	
5.29	5.31	5.33	4384.309	0.376441			1
5.45	5.47	5.49	10125.28	0.977932			2
5.69	5.71	5.73	11209.34	0.493408			3
5.89	5.91	5.93	19046.64	1.228345			4
5.95	5.96	5.99	8912.188	1.142297			5
6.31	6.34	6.35	9176.011	1.311628			6
Height Summation:			**62853.768**				
Amount Avg CF:			**0.921675**	Linear:			
Aroclor-1268					**6**	**170.11**	
5.89	5.91	5.93	19046.64	0.684738			1
5.95	5.96	5.99	8912.188	0.370521			2
6.08	6.10	6.12	146651.2	6.353192			3
6.14	6.16	6.18	172915.5	28.531639			4
6.31	6.34	6.35	9176.011	1.289982			5
6.51	6.54	6.55	77137.39	1.647575			6
Height Summation:			**433838.929**				
Amount Avg CF:			**6.479608**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 19:00:59
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0056.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**42.72**	
4.35	4.37	4.39	8514.418	0.571305			1
4.49	4.51	4.53	10095.31	0.590501			2
4.60	4.61	4.64	4965.305	0.359185			3
4.72	4.74	4.76	13112.22	0.786022			4
5.14	5.16	5.18	19879.78	0.923019			5
5.40	5.42	5.44	16220.7	1.271771			6
Height Summation:			**72787.733**				
Amount Avg CF:			**0.750301**	Linear:			
Aroclor-1262					**6**	**39.38**	
4.76	4.77	4.80	5839.324	0.357995			1
4.95	4.97	4.99	9581.019	0.631212			2
5.14	5.16	5.18	19879.78	0.709819			3
5.36	5.37	5.40	4555.52	0.44973			4
5.40	5.42	5.44	16220.7	0.949323			5
5.78	5.80	5.82	7704.175	1.053518			6
Height Summation:			**63780.518**				
Amount Avg CF:			**0.691933**	Linear:			
Aroclor-1268					**6**	**173.69**	
5.36	5.37	5.40	4555.52	0.156969			1
5.40	5.42	5.44	16220.7	0.582931			2
5.56	5.58	5.60	120767.4	5.191194			3
5.62	5.64	5.66	137982.8	24.364966			4
5.78	5.80	5.82	7704.175	0.966009			5
5.98	6.00	6.02	75355.22	1.372954			6
Height Summation:			**362585.815**				
Amount Avg CF:			**5.43917**	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		6.72	4	40	
Aroclor-1221			51	15.3		** 43.48	3	40	
Aroclor-1232			51	12.3		12.59	4	40	
Aroclor-1242			51	12.3		0.08	4	40	
Aroclor-1248			51	9.9		27.57	4	40	
Aroclor-1254			51	13.2		9.26	4	40	
Aroclor-1260			51	11.7		22.67	4	40	
Aroclor-1262			51	9.9		28.48	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 9/10/17 CAF PBLK40251 ID: AD **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 15, 2017 19:00:59
Instrument	: CP 7--19843A
Result file	: 07PCBS17250007.0056.RAW
Calibration file	: 07PCBS1725001.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Sep 15, 2017 19:00:59
Instrument	: CP 7--19843B
Result file	: 07PCBS17250007B.0056.RAW
Calibration file	: 07PCBS1725001B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			51	9.9		17.46	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/17 CAF ADPBLK40251 BLK 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 7:00:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0056.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.529		3792	2995
1.592		12904	20164
1.637		18206	21215
1.668		22197	45298
1.699		12721	14898
1.746		8870	8425
1.798		11515	13003
1.823		7328	5182
1.996		2050	1192
2.028		2996	2004
2.12		9572	22098
2.152		21696	38418
2.201		47957	32567
2.269		18695	11631
2.295		37044	27132
2.39		30841	20132
2.404		18184	11139
2.434		7446	6868
2.527		5329	2586
2.551		10265	9672
2.754		3886	3909
2.845		2658	1659
2.876		5536	4165
2.959		3358	3644
3	TCX	12494510	7818510
3.108		10876	10291
3.15		1587	2027
3.197		104639	65528
3.267		8858	6728
3.328		29661	23784
3.456		3141	3149
3.573		4047	2296
3.669		7613	10831
3.734		4702	3540
3.799		1599	1006
3.852		1249	243
3.877		2312	1197
3.9		685	148
3.906		1684	368
3.913		853	165
3.929		2925	1407
3.953		4720	5964
4.003		2538	4786
4.056		2508	1127
4.109		2032	959
4.169		4322	3252
4.251		10880	11865
4.328		7379	6454
4.354		6110	9128
4.399		3461	4946
4.464		3799	4916
4.537		1915	1032
4.6		1491	701

RT A	Compound A	Height A	Area A
4.653		2833	2080
4.717		4783	3926
4.764		3424	2454
4.801		2863	2748
4.841		6918	5714
4.929		4800	5373
4.968		19015	16581
5.041		13155	17595
5.094		3005	2350
5.128		6248	6610
5.176		1198	584
5.207		38333	36685
5.246		11778	11232
5.287		2161	1061
5.314		4384	3051
5.353		5773	5310
5.401		1905	3220
5.474		10125	19232
5.527		12455	17026
5.554		2029	864
5.609		33378	33865
5.649		1765	747
5.672		2317	1753
5.709		11209	8313
5.732		80315	70093
5.785		1571	356
5.866		782	271
5.911		19047	18768
5.964		8912	14670
6.017		2039	1402
6.101		146651	154409
6.165		172916	214348
6.3		1281	339
6.335		9176	7824
6.457		1103	420
6.536		77137	75052
6.682	DCB	3849748	4063399
6.896		1287	501
6.938		1113	700
6.95		1317	342
7.019		1499	371
7.029		1349	580
7.077		1960	1015
7.281		1597	517
7.362		1761	372
7.396		973	637
7.694		1098	849
7.771		1388	450
7.871		2079	1297
7.893		1702	1378
7.941		1489	825
8.048		1220	433
8.102		1875	1004
8.36		2320	1049
8.635		1584	491

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/17 CAF ADPBLK40251 BLK 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 7:00:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0056.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.521		2500	3275
1.547		2635	1358
1.59		7158	5596
1.657		4854	6633
1.698		3633	3207
1.797		2425	1828
1.863		2659	1329
1.91		51568	36386
1.964		44016	47691
2.026		30407	32710
2.091		17165	12384
2.151		4660	2408
2.171		3806	2935
2.216		4239	2804
2.248		2033	871
2.267		13157	12416
2.364		4646	3063
2.402		4666	4899
2.461		3295	2879
2.516		2809	1575
2.552		2224	1244
2.652	TCX	13187350	7962263
2.849		3177	2055
2.87		90999	52096
2.906		3574	2562
2.937		9003	5136
2.959		8936	5200
2.986		26581	18798
3.032		4416	3241
3.156		4750	12468
3.22		3725	6395
3.314		4683	4650
3.361		2602	2444
3.41		2862	3005
3.468		1686	1454
3.564		2435	1468
3.593		2844	1974
3.648		2311	2118
3.714		11283	8540
3.744		7116	8581
3.877		3572	6844
3.916		5387	6253
3.979		14154	14320
4.016		2960	1592
4.062		12642	14835
4.115		6228	5838
4.195		11516	17994
4.258		1239	4626
4.279		4879	6093
4.374		8514	6974
4.442		3512	2765
4.486		20921	16291
4.51		10095	7729
4.615		4965	4208

4.665		3963	3352
4.691		3699	2456
4.715		26005	18755
4.744		13112	10743
4.774		5839	5752
4.813		3844	3940
4.889		12078	10639
4.965		9581	7624
5.037		7399	8400
5.076		2250	1314
5.11		33418	26791
5.16		19880	16440
5.233		89583	75264
5.268		3838	4228
5.327		1493	1060
5.372		4556	3382
5.421		16221	19585
5.529		2472	2538
5.575		120767	102973
5.617		2227	1578
5.644		137983	119071
5.692		36351	33109
5.799		7704	8328
5.939		1572	1677
5.999		75355	65042
6.159	DCB	4816336	4438232
7.28		1571	1242
7.65		1584	1477
8.3		8203	15110

BLANKA 9/10/17 CAF ADPBLK40251 BLK 172510040A 10225 SW-846 8

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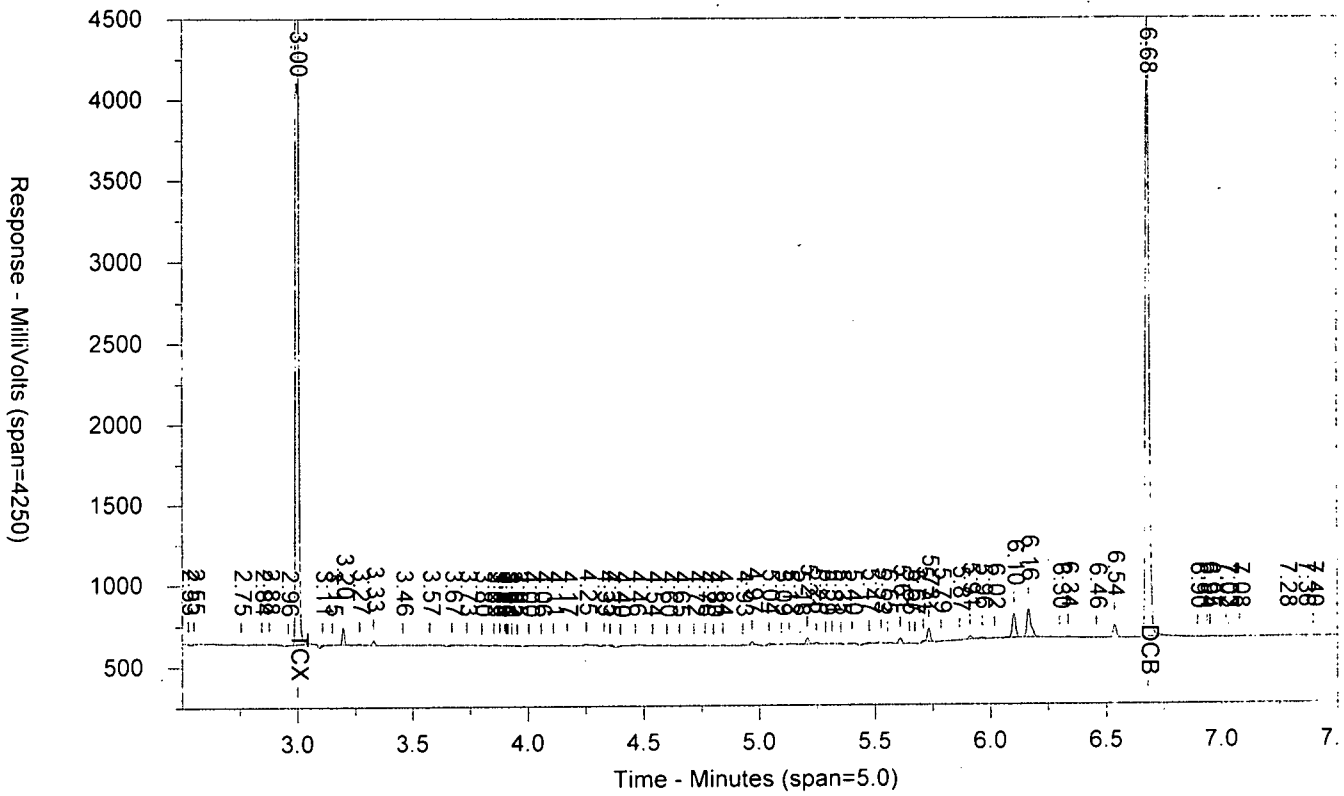

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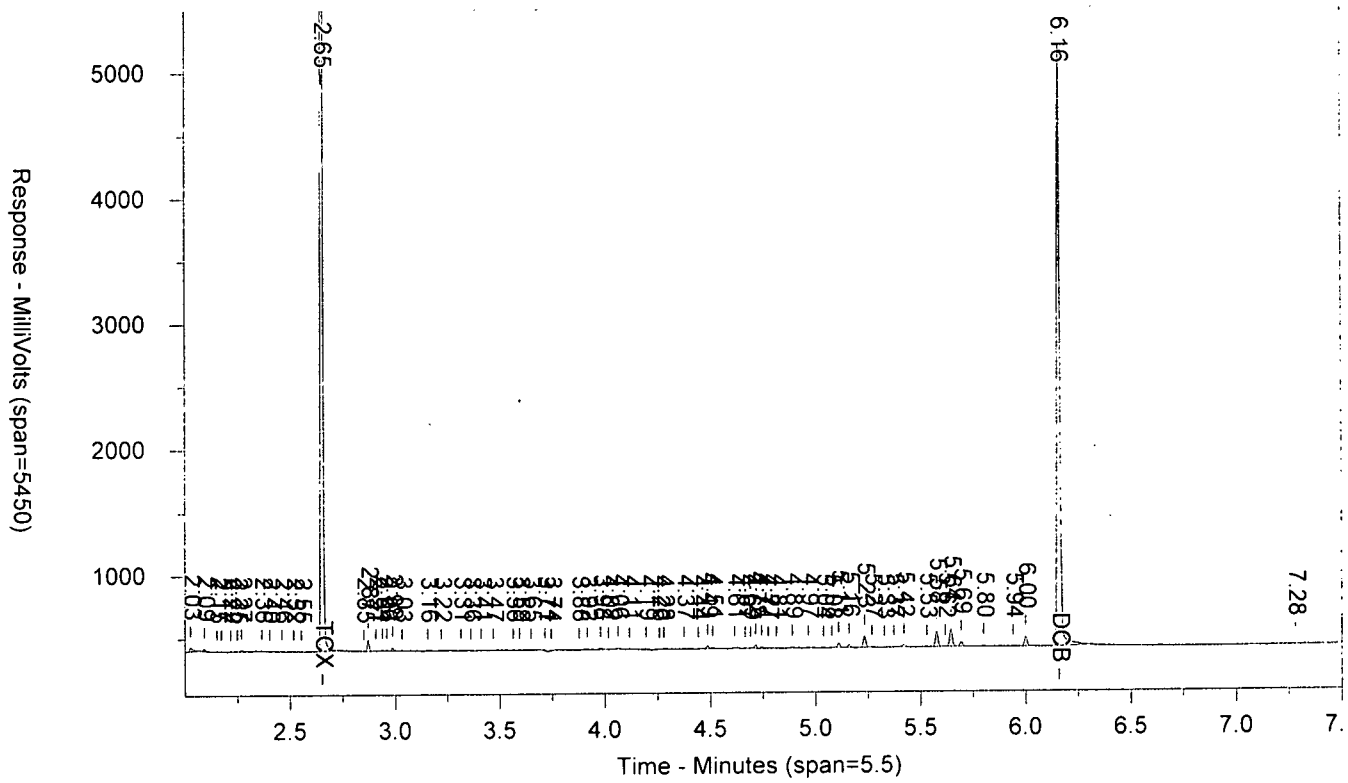

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/17 CAF ADPBLK40251 BLK 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 7:00:59 PM Sample Weight: 10
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound E
3	12494510	33.01	TCX	2.652	13187350	33.934	TCX
6.682	3849748	28.521	DCB	6.159	4816336	30.234	DCB

Files:
Area File: 07pcbs17250007.0056.RAW
Area File: 07pcbs17250007B.0056.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 7:09:43 PM
File Reported On: 9/15/2017 at 7:09:57 PM

BLANKA 9/10/17 CAF ADPBLK40251 BLK 172510040A 10225 SW-846 8

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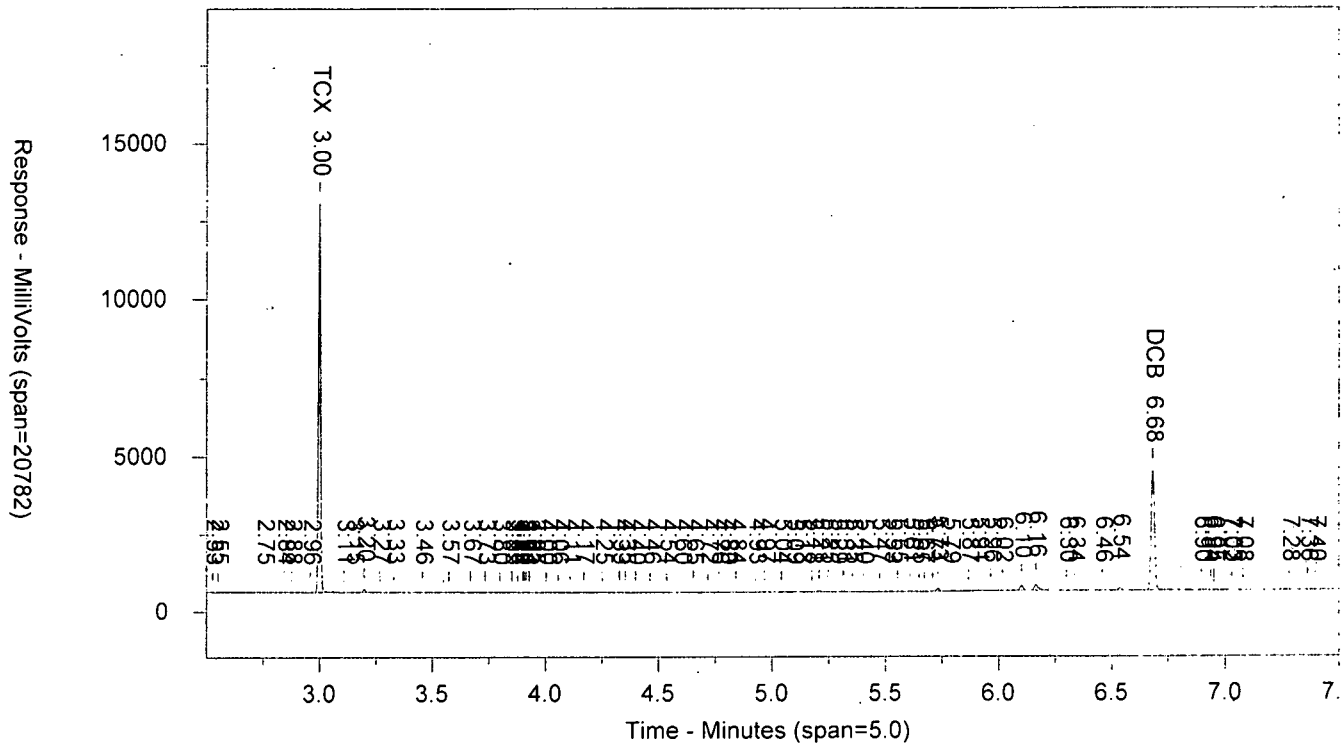

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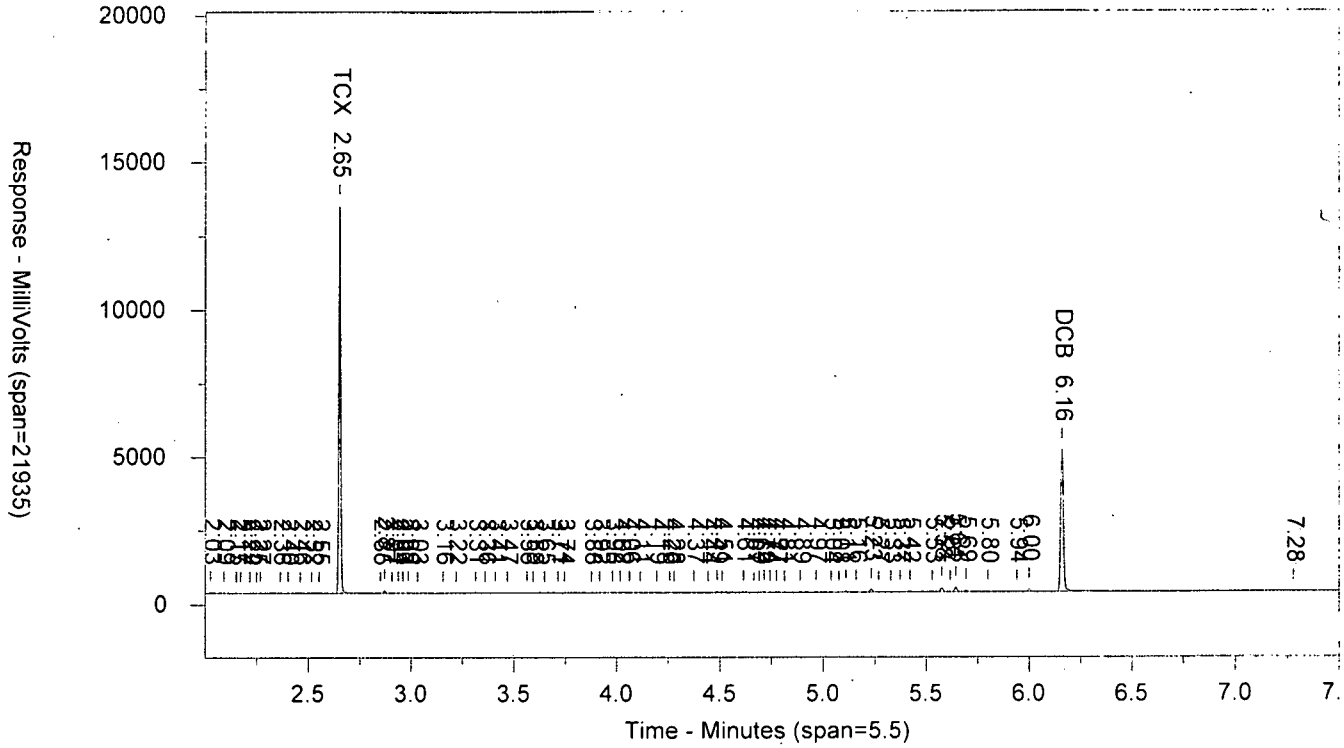

BLANKA 9/10/17 CAF ADPBLK40251 BLK 172510040A 10225 SW-846 8

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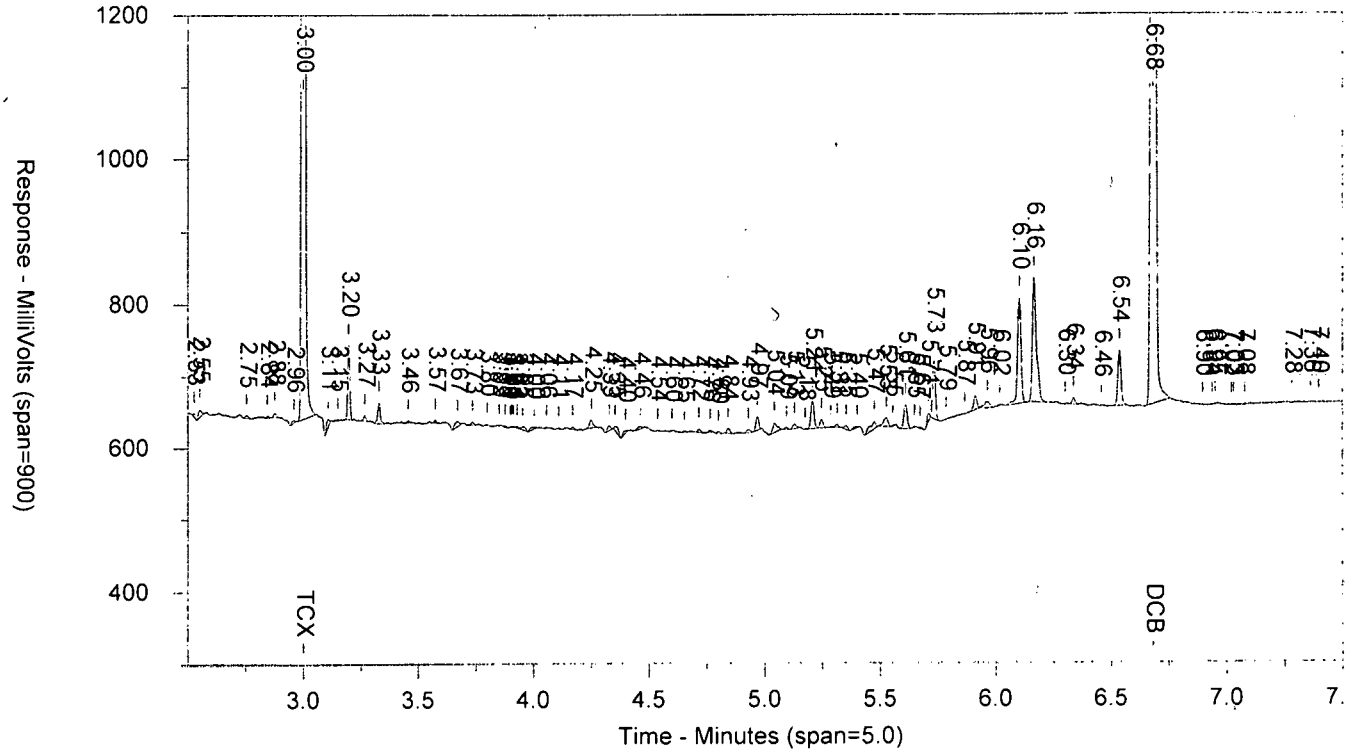

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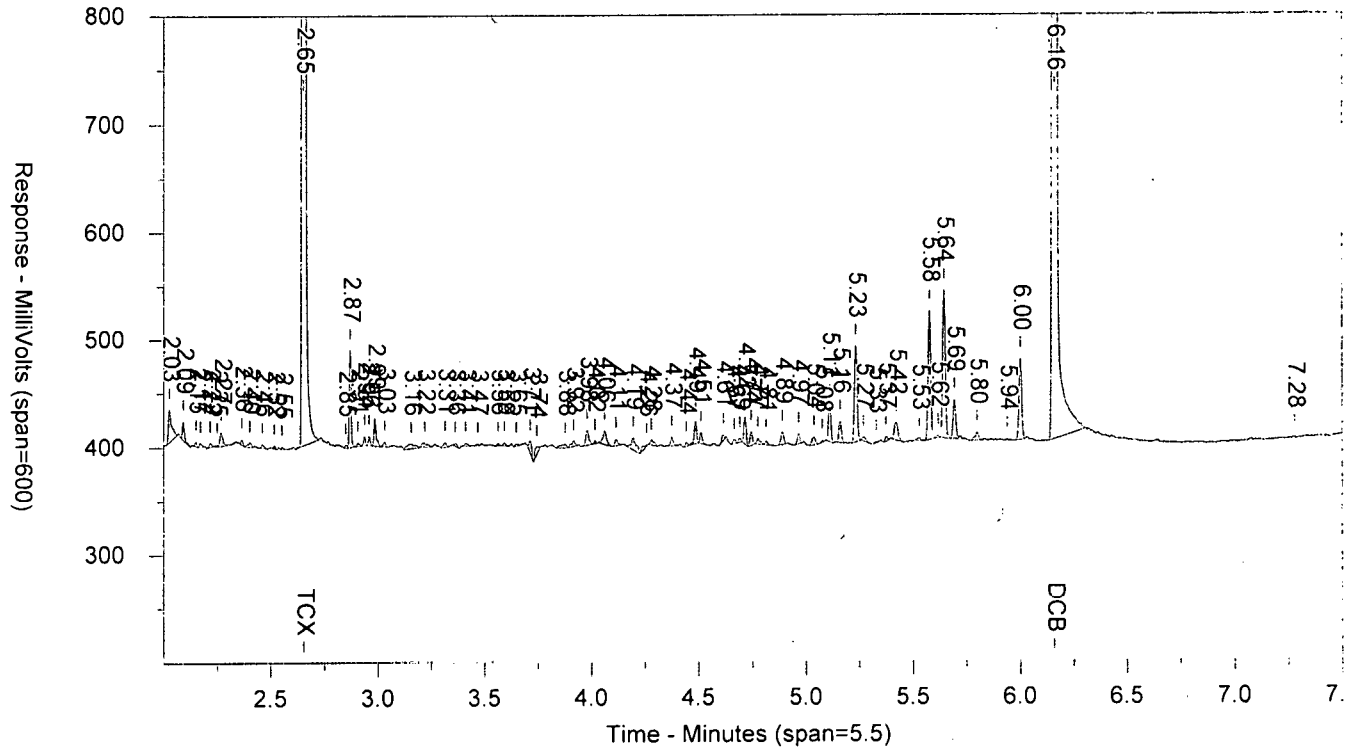

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Data Summary

Sample Name: LCSA 9/10/17 CAF LCS40251 LCS Sample ID: AD **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 19:12:27
Instrument	19843A
Result file	07PCBS17250007.0057.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 100% (61 - 152) Conc: 30.46204
%SSR(DCB) 110% (48 - 164) Conc: 29.95351

Analysis Report (B)

Injected on	Sep 15, 2017 19:12:27
Instrument	19843B
Result file	07PCBS17250007B.0057.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 104% (61 - 152) Conc: 31.7798
%SSR(DCB) 108% (48 - 164) Conc: 29.26993

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	11529970	30.46204
Decachlorobiphenyl	6.65	6.68	6.71	4043091	29.95351

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	12350340	31.7798
Decachlorobiphenyl	6.13	6.16	6.19	4662824	29.26993

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	31.7798				4.23	
☐ Tetrachloro-m-xylene-D1	A	30.46204					
☐ Tetrachloro-m-xylene-D2	B	31.7798					
☐ Decachlorobiphenyl	A	29.95351				2.31	
☐ Decachlorobiphenyl-D1	A	29.95351					
☐ Decachlorobiphenyl-D2	B	29.26993					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.35**	
3.23	3.25	3.27	2721092	413.899837			1
3.45	3.47	3.49	3051511	453.462787			2
3.56	3.58	3.60	3366972	419.714998			3
3.74	3.76	3.78	3865684	492.195846			4
3.78	3.80	3.82	4021461	436.288724			5
3.91	3.93	3.95	2520300	445.758067			6
Height summation:			**19547020**				
Concentration		CF:	**443.553377**	L:			
Aroclor-1260						**4.88**	
4.82	4.84	4.86	7225812	496.470134			1
5.02	5.04	5.06	7220796	505.429131			2
5.23	5.25	5.27	6890700	508.307383			3
5.45	5.47	5.49	3756088	478.471267			4
5.69	5.71	5.73	9481879	493.220031			5
5.89	5.91	5.93	5583649	444.127752			6
Height summation:			**40158924**				
Concentration		CF:	**487.67095**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.49**	
2.92	2.94	2.96	2974029	442.191611			1
3.12	3.14	3.16	3681072	430.350729			2
3.25	3.26	3.29	3790338	448.311616			3
3.40	3.42	3.44	4545093	501.585746			4
3.44	3.46	3.48	3992863	469.151652			5
3.57	3.59	3.61	3264378	465.663909			6
Height summation:			**22247773**				
Concentration		CF:	**459.542544**	L:			
Aroclor-1260						**3.00**	
4.35	4.37	4.39	7073819	474.643312			1
4.49	4.51	4.53	8199790	479.627353			2
4.60	4.61	4.64	6464332	467.622596			3
4.72	4.74	4.76	7743146	464.168725			4
5.14	5.16	5.18	9482040	440.251367			5
5.40	5.42	5.44	6037278	473.348058			6
Height summation:			**45000405**				
Concentration		CF:	**466.610235**	L:			

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:26

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Data Summary

Sample Name: LCSA 9/10/17 CAF LCS40251 LCS Sample ID: AD **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 19:12:27
Instrument	19843A
Result file	07PCBS17250007.0057.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

Analysis Report (B)

Injected on	Sep 15, 2017 19:12:27
Instrument	19843B
Result file	07PCBS17250007B.0057.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	459.542544	51	9.9		3.54	4	
☐ PCB-1221			<51	<15.3			3	
☐ PCB-1232			<51	<12.3			4	
☐ PCB-1242			<51	<12.3			4	
☐ PCB-1248			<51	<9.9			4	
☐ PCB-1254			<51	<13.2			4	
☐ PCB-1260	A	487.67095	51	11.7		4.41	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	947.213494	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 13:52:26

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/10/17 CAF LCS40251 ID: AD **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 19:12:27
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0057.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 100% (61-152) Conc.: 30.46204
%SSR(DCB) : 110% (48-164) Conc.: 29.95351

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.35	
3.23	3.25	3.27	2721092	413.899837			1
3.45	3.47	3.49	3051511	453.462787			2
+ 3.45	3.48	3.49	1504364	223.552559			2
3.56	3.58	3.60	3366972	419.714998			3
+ 3.74	3.75	3.78	2208795	281.233469			4
3.74	3.76	3.78	3865684	492.195846			4
3.78	3.80	3.82	4021461	436.288724			5
3.91	3.93	3.95	2520300	445.758067			6
Height Summation:			**19547020**				
Amount Avg CF:			**443.553376**	Linear:			
Aroclor-1221					3	30.62	
3.13	3.15	3.17	530131.4	174.161723			1
E 3.18	3.20	3.22	641153.5	230.27558			2
E 3.23	3.25	3.27	2721092	320.865337			3
Height Summation:			**3892376.9**				
Amount Avg CF:			**241.767547**	Linear:			
Aroclor-1232					6	31.14	
E 3.23	3.25	3.27	2721092	352.800654			1
E 3.45	3.47	3.49	3051511	947.473268			2
E+ 3.45	3.48	3.49	1504364	467.09472			2
E 3.56	3.58	3.60	3366972	872.465214			3
E+ 3.74	3.75	3.78	2208795	610.137478			4
E 3.74	3.76	3.78	3865684	1067.821453			4
E 3.78	3.80	3.82	4021461	890.160273			5
E 3.91	3.93	3.95	2520300	1108.210282			6
Height Summation:			**19547020**				
Amount Avg CF:			**873.155191**	Linear:			
Aroclor-1242					6	5.07	
E 3.23	3.25	3.27	2721092	309.120507			1
E 3.45	3.47	3.49	3051511	344.827271			2
+ 3.45	3.48	3.49	1504364	169.99635			2
E 3.56	3.58	3.60	3366972	319.194792			3
+ 3.74	3.75	3.78	2208795	190.037219			4
E 3.74	3.76	3.78	3865684	332.590321			4
E 3.78	3.80	3.82	4021461	315.410438			5
E 3.91	3.93	3.95	2520300	350.219938			6
Height Summation:			**19547020**				
Amount Avg CF:			**328.560545**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 19:12:27
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0057.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 104% (61-152) Conc.: 31.7798
%SSR(DCB) : 108% (48-164) Conc.: 29.26993

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	5.49	
2.92	2.94	2.96	2974029	442.191611			1
3.12	3.14	3.16	3681072	430.350729			2
3.25	3.26	3.29	3790338	448.311616			3
+ 3.40	3.41	3.44	2002248	220.963368			4
3.40	3.42	3.44	4545093	501.585746			4
+* 3.44	3.44	3.48	146165	17.174031			5
+* 3.40	3.44	3.44	146165	16.130425			4
3.44	3.46	3.48	3992863	469.151652			5
3.57	3.59	3.61	3264378	465.663909			6
+ 3.57	3.61	3.61	1012749	144.468765			6
Height Summation:			**22247773**				
Amount Avg CF:			**459.542544**	Linear:			
Aroclor-1221					3	36.86	
2.80	2.82	2.84	647912.6	176.863981			1
+ 2.86	2.87	2.90	42241.8	18.383016			2
2.86	2.88	2.90	430055.4	187.153843			2
E 2.92	2.94	2.96	2974029	329.256354			3
Height Summation:			**4051997**				
Amount Avg CF:			**231.091393**	Linear:			
Aroclor-1232					6	31.03	
E 2.92	2.94	2.96	2974029	361.436645			1
E 3.12	3.14	3.16	3681072	852.371471			2
E 3.25	3.26	3.29	3790338	907.430908			3
E+ 3.40	3.41	3.44	2002248	480.1531			4
E 3.40	3.42	3.44	4545093	1089.945148			4
+* 3.44	3.44	3.48	146165	34.420026			5
+* 3.40	3.44	3.44	146165	35.051391			4
E 3.44	3.46	3.48	3992863	940.2692			5
E 3.57	3.59	3.61	3264378	1107.572005			6
E+ 3.57	3.61	3.61	1012749	343.615978			6
Height Summation:			**22247773**				
Amount Avg CF:			**876.504229**	Linear:			
Aroclor-1242					6	16.59	
E 2.92	2.94	2.96	2974029	319.762621			1
E 3.12	3.14	3.16	3681072	487.361356			2
E 3.25	3.26	3.29	3790338	342.980232			3
+ 3.40	3.41	3.44	2002248	152.176107			4
E 3.40	3.42	3.44	4545093	345.439006			4
+* 3.44	3.44	3.48	146165	12.407947			5
+* 3.40	3.44	3.44	146165	11.108924			4
E 3.44	3.46	3.48	3992863	338.954155			5
E 3.57	3.59	3.61	3264378	368.384656			6
+ 3.57	3.61	3.61	1012749	114.2886			6
Height Summation:			**22247773**				
Amount Avg CF:			**367.147004**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/10/17 CAF LCS40251 ID: AD **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 19:12:27
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0057.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	50.08	
E 3.78	3.80	3.82	4021461	885.040824			1
3.84	3.86	3.88	3755040	776.852864			2
3.91	3.93	3.95	2520300	313.141629			3
4.03	4.05	4.07	2949656	324.562364			4
4.12	4.15	4.16	3150597	400.41361			5
4.30	4.31	4.34	2918491	347.25213			6
+ 4.30	4.33	4.34	625822	74.462461			6
Height Summation:			**19315545**				
Amount Avg CF:			**507.877237**	Linear:			
Aroclor-1254					6	88.70	
4.29	4.31	4.32	2918491	322.044431			1
+ 4.63	4.66	4.67	447626.9	46.574459			2
4.63	4.67	4.67	790039.5	82.201633			2
4.69	4.72	4.73	1999018	98.315434			3
4.91	4.93	4.95	1130967	90.992764			4
5.11	5.13	5.15	3164355	444.954339			5
5.23	5.25	5.27	6890700	737.585257			6
Height Summation:			**16893570.5**				
Amount Avg CF:			**296.015643**	Linear:			
Aroclor-1260					6	4.88	
4.82	4.84	4.86	7225812	496.470134			1
5.02	5.04	5.06	7220796	505.429131			2
5.23	5.25	5.27	6890700	508.307383			3
5.45	5.47	5.49	3756088	478.471267			4
5.69	5.71	5.73	9481879	493.220031			5
5.89	5.91	5.93	5583649	444.127752			6
Height Summation:			**40158924**				
Amount Avg CF:			**487.67095**	Linear:			
Aroclor-1262					6	29.18	
E 5.29	5.31	5.33	3358662	288.378035			1
E 5.45	5.47	5.49	3756088	362.775089			2
E 5.69	5.71	5.73	9481879	417.369158			3
E 5.89	5.91	5.93	5583649	360.097508			4
5.95	5.97	5.99	1272660	163.119984			5
E 6.31	6.33	6.35	1860072	265.880438			6
Height Summation:			**25313010**				
Amount Avg CF:			**309.603369**	Linear:			
Aroclor-1268					6	91.20	
5.89	5.91	5.93	5583649	200.735511			1
5.95	5.97	5.99	1272660	52.910448			2
6.08	6.10	6.12	228680.6	9.906852			3
6.14	6.18	6.18	1030124	169.973923			4
E 6.31	6.33	6.35	1860072	261.492555			5
6.51	6.54	6.55	505838.2	10.804181			6
Height Summation:			**10481023.8**				
Amount Avg CF:			**117.637245**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 19:12:27
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0057.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	59.30	
+ 3.44	3.44	3.48	146165	37.497464			1
E 3.44	3.46	3.48	3992863	1024.337138			1
3.51	3.53	3.55	4392486	822.007586			2
3.55	3.56	3.59	3038340	330.192598			3
3.67	3.69	3.71	3676420	332.300806			4
+ 3.76	3.77	3.80	884202.6	115.580192			5
3.76	3.78	3.80	2941287	384.475815			5
3.90	3.92	3.94	4085053	280.714972			6
Height Summation:			**22126449**				
Amount Avg CF:			**529.004819**	Linear:			
Aroclor-1254					6	110.65	
4.20	4.22	4.24	888192.9	76.962297			1
+ 4.26	4.26	4.30	896825.5	43.950028			2
+ 4.26	4.28	4.30	891884.2	43.707874			2
4.26	4.29	4.30	2124348	104.106266			2
4.35	4.37	4.39	7073819	738.01861			3
4.42	4.44	4.46	641107.4	50.866014			4
4.64	4.67	4.68	817433.1	92.120924			5
4.72	4.74	4.76	7743146	550.749332			6
Height Summation:			**19288046.4**				
Amount Avg CF:			**268.803907**	Linear:			
Aroclor-1260					6	3.00	
4.35	4.37	4.39	7073819	474.643312			1
4.49	4.51	4.53	8199790	479.627353			2
4.60	4.61	4.64	6464332	467.622596			3
4.72	4.74	4.76	7743146	464.168725			4
5.14	5.16	5.18	9482040	440.251367			5
5.40	5.42	5.44	6037278	473.348058			6
Height Summation:			**45000405**				
Amount Avg CF:			**466.610235**	Linear:			
Aroclor-1262					6	24.30	
E 4.76	4.77	4.80	3661988	224.507918			1
E 4.95	4.96	4.99	4476986	294.950611			2
E 5.14	5.16	5.18	9482040	338.561909			3
5.36	5.37	5.40	1799553	177.655336			4
E 5.40	5.42	5.44	6037278	353.334309			5
E 5.78	5.80	5.82	1981312	270.937209			6
Height Summation:			**27439157**				
Amount Avg CF:			**276.657882**	Linear:			
Aroclor-1268					6	113.42	
5.36	5.37	5.40	1799553	62.00698			1
E 5.40	5.42	5.44	6037278	216.964658			2
5.56	5.57	5.60	201313.5	8.653473			3
5.62	5.64	5.66	157052.2	27.732235			4
E 5.78	5.80	5.82	1981312	248.432162			5
5.98	6.00	6.02	531963.5	9.692246			6
Height Summation:			**10708472.2**				
Amount Avg CF:			**95.580292**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/10/17 CAF LCS40251 ID: AD **Batchnumber: 172510040A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 19:12:27
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0057.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2017 19:12:27
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0057.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		3.54	4	40	
Aroclor-1221			51	15.3	E	4.52	3	40	
Aroclor-1232			51	12.3	E	0.38	4	40	
Aroclor-1242			51	12.3	E	11.09	4	40	
Aroclor-1248			51	9.9	E	4.08	4	40	
Aroclor-1254			51	13.2		9.64	4	40	
Aroclor-1260			51	11.7		4.41	4	40	
Aroclor-1262			51	9.9	E	11.24	4	40	
Aroclor-1268			51	9.9	E	20.69	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/17 CAF ADLCS40251 LCS 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 7:12:27 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0057.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.533		5511	5689
1.591		17832	29772
1.666		33411	102981
1.701		24402	38252
1.744		24956	29765
1.798		22370	31107
1.823		15642	13663
1.849		6315	5416
1.912		5566	4033
1.943		3145	2091
1.969		4165	4247
2.032		3291	2270
2.11		17528	27326
2.154		28346	53526
2.176		25404	25557
2.202		76817	75979
2.269		28505	22448
2.295		40323	32379
2.391		37092	24586
2.404		17329	10057
2.433		9282	8881
2.462		3697	1855
2.497		3032	1726
2.554		14305	13362
2.575		8051	7787
2.636		40203	28362
2.729		5601	4664
2.808		2076	1062
2.846		3726	2682
2.876		3769	2157
2.911		6160	5508
2.954		3671	3226
3	TCX	11529970	7498034
3.083		24658	13449
3.105		26749	19776
3.147		530131	480577
3.177		6548	3731
3.204		641154	475248
3.251		2721092	1792361
3.327		15614	9506
3.345		385416	254244
3.383		15067	10217
3.428		51625	53628
3.466		3051511	1749244
3.483		1504364	785971
3.504		21856	7579
3.52		312761	181060
3.536		66304	26896
3.547		200113	94944
3.581		3366972	2397912
3.604		4608	1542
3.619		14866	6776
3.632		24954	13208

RT A	Compound A	Height A	Area A
3.656		171196	133416
3.691		773266	437071
3.705		359421	188829
3.75		2208795	1093890
3.761		3865684	1944563
3.8		4021461	2979646
3.86		3755040	2784434
3.901		308311	219855
3.929		2520300	1824746
3.956		1814837	1530193
3.978		501312	258447
4.055		2949656	2046199
4.08		1010241	673014
4.111		1138594	812981
4.145		3150597	2868964
4.185		914424	738768
4.233		149115	125377
4.273		208273	156357
4.308		2918491	2062638
4.326		625822	337796
4.35		824387	620251
4.39		2171	385
4.421		489876	412910
4.464		3232792	2986001
4.498		124148	89866
4.537		2254	1078
4.561		52339	39482
4.602		507716	479977
4.655		447627	292480
4.672		790040	516561
4.717		1999019	1809115
4.765		3131838	3268333
4.803		731616	523732
4.842		7225813	6246514
4.886		103683	86118
4.929		1130967	1141285
4.963		97081	65538
4.99		1079654	989995
5.042		7220796	8548353
5.094		1315280	1157714
5.133		3164355	3260399
5.175		43054	21981
5.211		558742	653581
5.246		6890700	6115759
5.268		286527	144433
5.288		124578	55142
5.312		3358662	2936354
5.354		2044853	1893862
5.448		852464	666049
5.473		3756088	3179064
5.529		2048889	1770366
5.567		1220345	1172704
5.61		242137	248112
5.65		1305700	1365336
5.707		9481879	9242381
5.794		16087	16330
5.867		3979	3255
5.911		5583649	5051499
5.941		354910	240776
5.966		1272660	1284985
6.04		4118	2728
6.054		2643	1387
6.101		228681	223693
6.18		1030125	1421901
6.261		4540	4186
6.334		1860073	1862434

RT A	Compound A	Height A	Area A
6.379		143653	130293
6.471		2698	1415
6.504		2110	1495
6.535		505838	504150
6.587		1691	439
6.603		1223	514
6.682	DCB	4043091	3954993
6.952		1624	594
7.022		1692	797
7.199		1474	367
7.253		2124	579
7.264		1327	541
7.291		1411	753
7.329		1276	394
7.694		1390	624
7.88		1104	660
7.951		2472	543
7.996		1471	637
8.111		1685	900
8.242		1665	455
8.254		1166	528
8.41		1554	591
8.461		1493	634
8.505		1930	726
8.543		1131	463
8.576		1761	607
8.619		1801	478

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/17 CAF ADLCS40251 LCS 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 7:12:27 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0057.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.51		4084	2663
1.55		2728	1840
1.589		10739	15272
1.66		7040	9369
1.696		6982	7361
1.775		3863	10590
1.847		2198	1338
1.865		3509	2364
1.91		69620	51391
1.96		47442	53906
2.027		32065	30876
2.091		15518	11499
2.135		2152	1225
2.15		5875	3349
2.17		6122	3869
2.222		3961	3737
2.247		3998	2161
2.268		10993	10510
2.336		39812	27396
2.364		9292	5434
2.402		4489	7802
2.468		5735	6954
2.517		4041	2258
2.553		9717	14367
2.606		17526	25893
2.652	TCX	12350340	7385416
2.695		268691	227241
2.741		38021	44250
2.77		15688	11884
2.791		3220	1355
2.823		647913	421997
2.849		6950	4036
2.87		42242	18398
2.883		430055	250601
2.915		4682	2183
2.935		2974029	1920849
2.986		53842	58033
3.013		6231	2804
3.046		389117	253717
3.078		8416	6720
3.094		5665	2995
3.142		3681073	3583363
3.193		425795	264047
3.215		214815	125728
3.241		277402	149111
3.264		3790338	2492513
3.301		143462	102897
3.347		1009881	518819
3.362		543759	265362
3.389		9406	4791
3.413		2002248	904431
3.422		4545093	1902044
3.442		146165	55470
3.456		3992863	2677108

3.53		4392486	2668147
3.565		3038340	1822686
3.588		3264378	1803514
3.606		1012749	503374
3.654		5348	3836
3.691		3676421	2401962
3.714		1336502	727682
3.735		1274978	747681
3.765		884203	455775
3.783		2941287	1796116
3.825		1050488	752240
3.873		172303	159444
3.895		732664	427342
3.916		4085053	2628027
3.942		797696	469608
3.962		137440	65881
3.981		466137	294696
4.017		3171071	2218849
4.051		158068	92252
4.066		271194	163684
4.112		8146	4492
4.129		32103	21747
4.162		299736	342938
4.193		28610	19303
4.219		888193	621493
4.263		896826	531792
4.281		891884	409656
4.294		2124348	1173195
4.32		1221167	1275620
4.372		7073819	5267031
4.419		105558	104561
4.443		641107	436219
4.467		1547514	1075697
4.511		8199790	6167868
4.613		6464333	6087977
4.667		817433	664846
4.705		1619977	1372279
4.742		7743147	6481392
4.775		3661988	2515839
4.813		2474200	1972642
4.88		17888	21847
4.913		853861	855586
4.964		4476986	3422683
4.988		576186	374691
5.039		2263288	1990457
5.075		1180940	908767
5.105		777311	638865
5.136		325741	190961
5.158		9482040	7785603
5.2		203927	145587
5.232		394858	318204
5.274		13841	16940
5.35		101057	63192
5.374		1799553	1467476
5.419		6037279	6436902
5.574		201314	174216
5.619		131670	99858
5.642		157052	119135
5.692		974327	859266
5.799		1981312	1659862
5.83		107457	77182
5.999		531964	486567
6.158	DCB	4662824	4361308
7.513		1541	5312
8.1		1277	3598
8.202		1800	2908
8.296		8717	15310

LCSA 9/10/17 CAF ADLCS40251 LCS 172510040A 10225 SW-846 80

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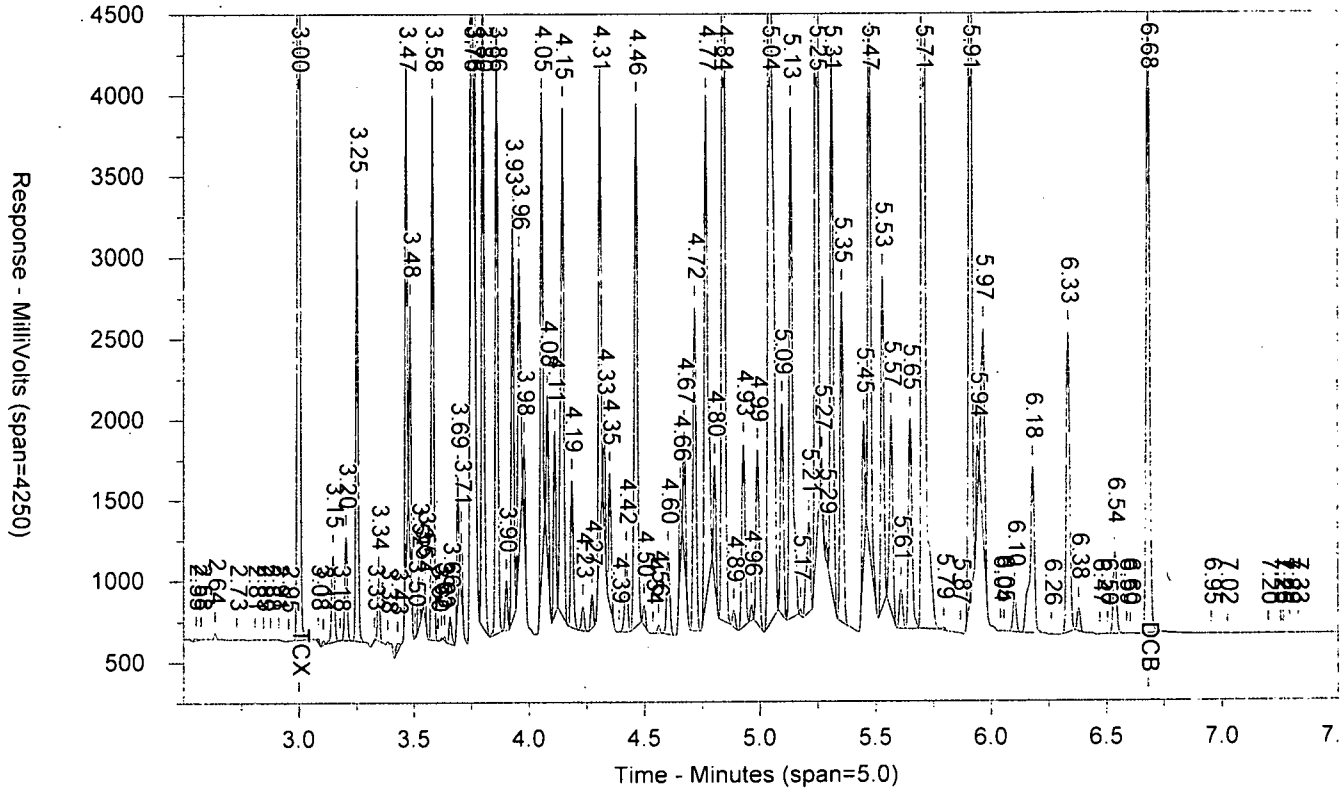

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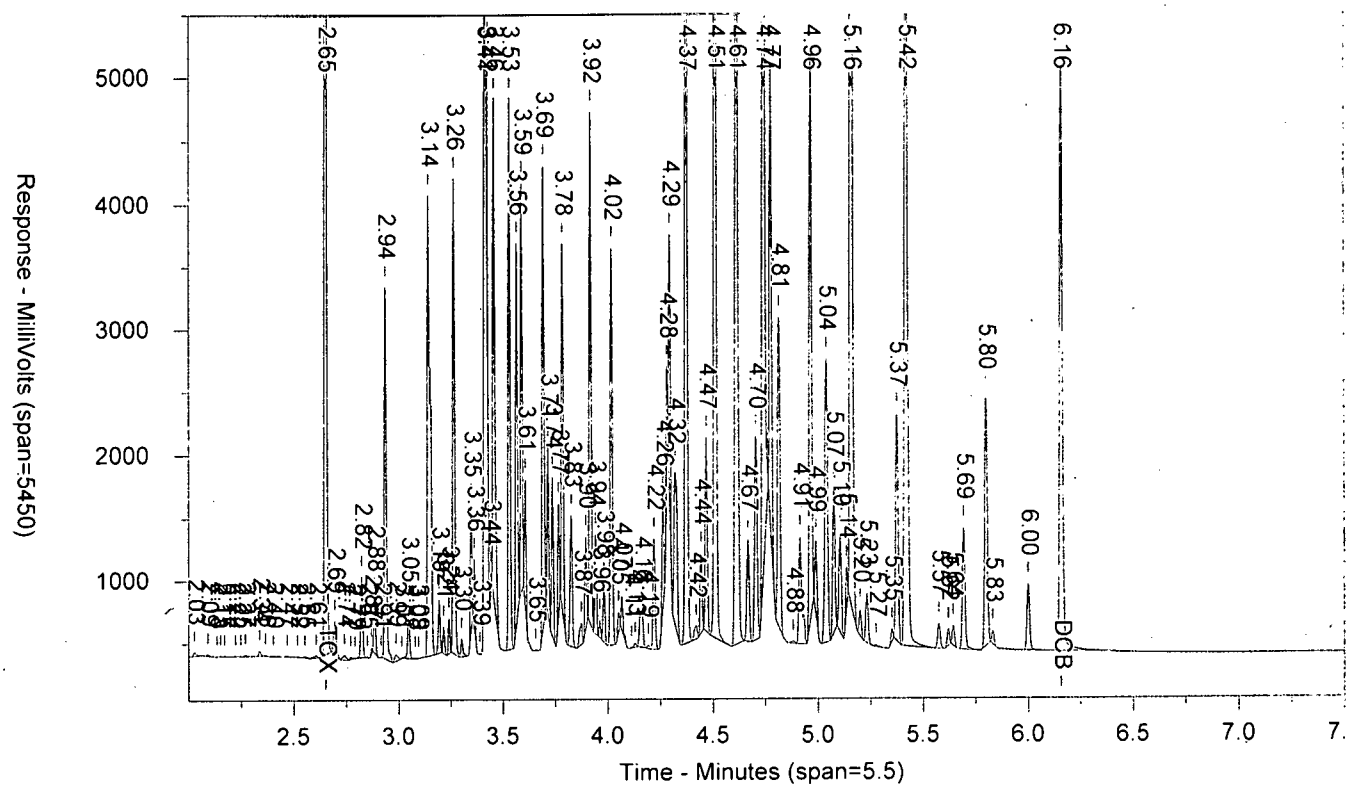

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/17 CAF ADLCS40251 LCS 172510040A 10225 SW-846 8082
Injected On: 9/15/2017 7:12:27 PM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	11529970	30.462	TCX	2.652	12350340	31.78	TCX
6.682	4043091	29.954	DCB	6.158	4662824	29.27	DCB

Files:
Area File: 07pcbs17250007.0057.RAW
Area File: 07pcbs17250007B.0057.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 7:21:11 PM
File Reported On: 9/15/2017 at 7:21:19 PM

LCSA 9/10/17 CAF ADLCS40251 LCS 172510040A 10225 SW-846 80

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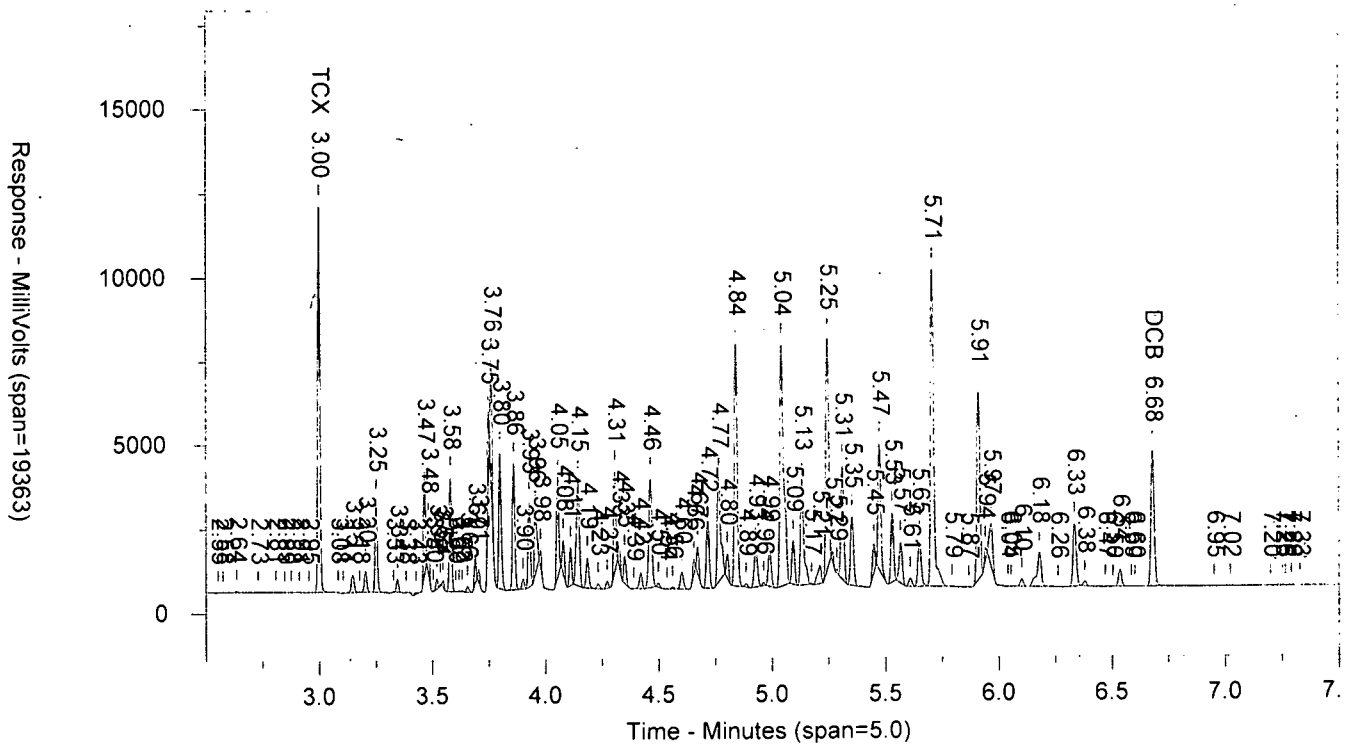

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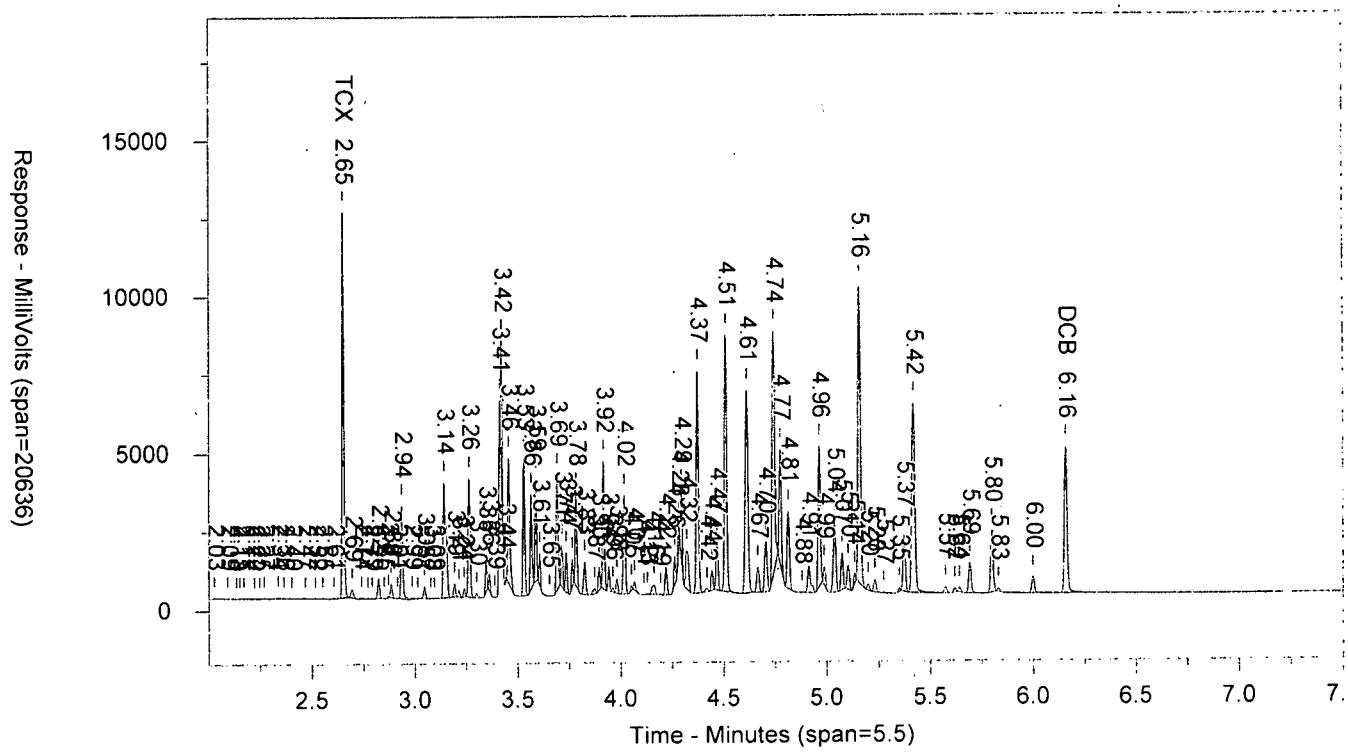

LCSA 9/10/17 CAF ADLCS40251 LCS 172510040A 10225 SW-846 80

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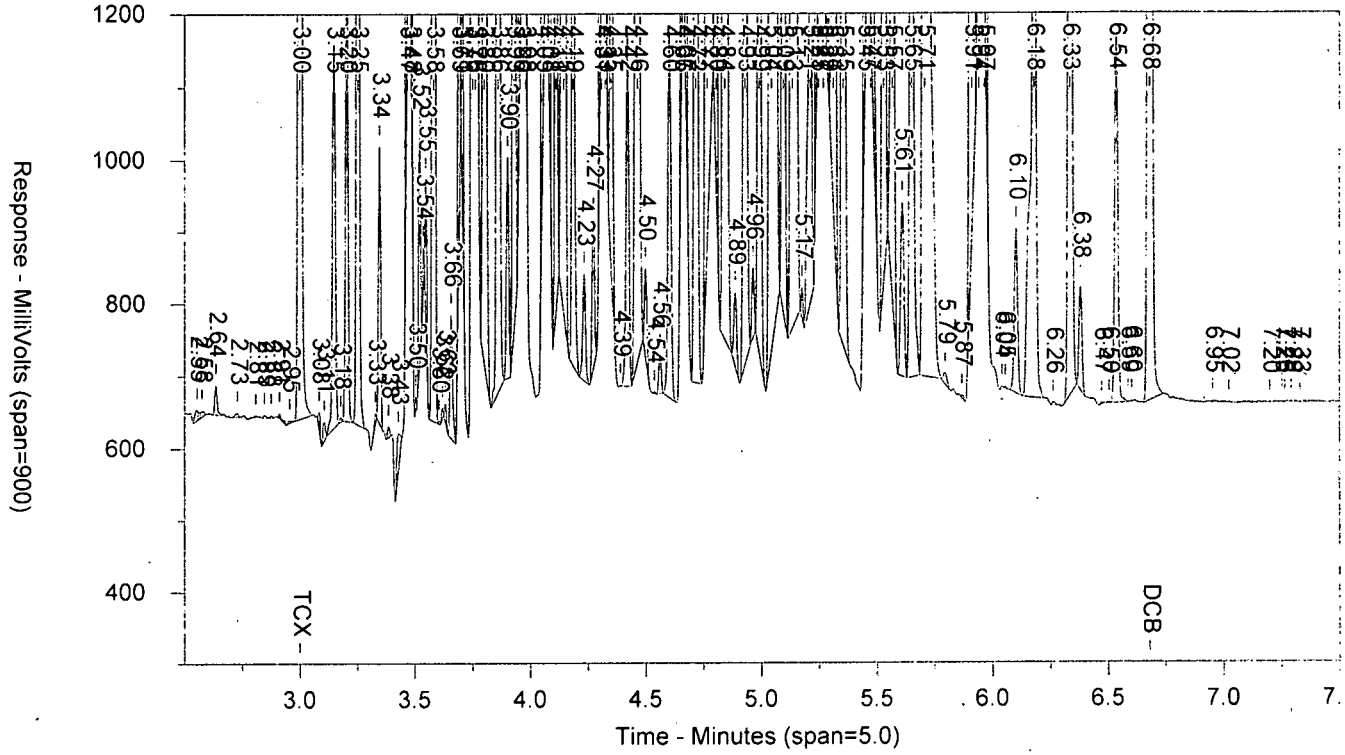

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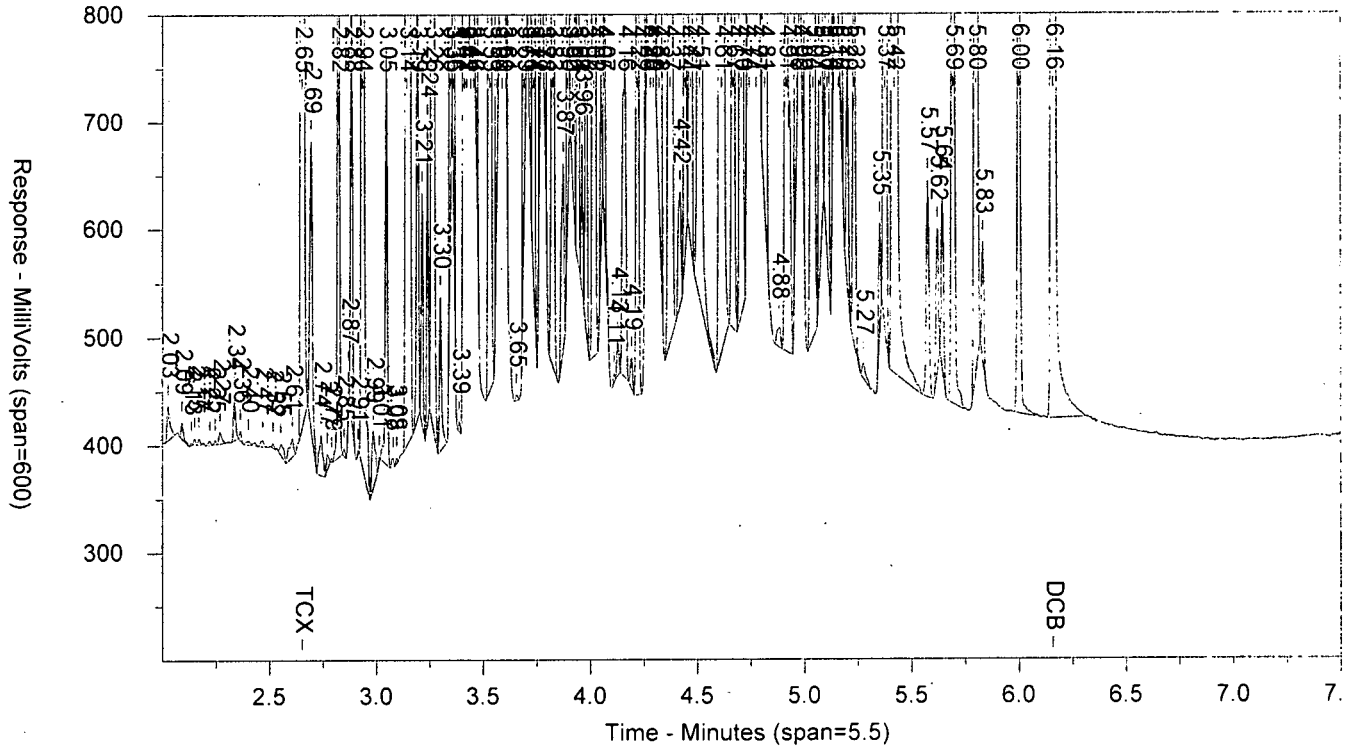

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Data Summary

Sample Name: BLANKA 9/10/17 ACF PBLK41251 BLK Sample ID: AB **Batchnumber: 172510041A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 16:43:18
Instrument	19843A
Result file	07PCBS17250007.0044.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 101% (61 - 152) Conc: 30.97784
%SSR(DCB) 102% (48 - 164) Conc: 27.77318

Analysis Report (B)

Injected on	Sep 15, 2017 16:43:18
Instrument	19843B
Result file	07PCBS17250007B.0044.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 103% (61 - 152) Conc: 31.49718
%SSR(DCB) 111% (48 - 164) Conc: 30.10147

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	11725200	30.97784	Tetrachloro-m-xylene	2.62	2.65	2.68	12240510	31.49718
Decachlorobiphenyl	6.65	6.68	6.71	3748792	27.77318	Decachlorobiphenyl	6.13	6.16	6.19	4795291	30.10147

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	31.49718				1.66	
Tetrachloro-m-xylene-D1	A	30.97784					
Tetrachloro-m-xylene-D2	B	31.49718					
Decachlorobiphenyl	B	30.10147				8.05	
Decachlorobiphenyl-D1	A	27.77318					
Decachlorobiphenyl-D2	B	30.10147					

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<9.9			4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260			<51	<11.7			4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs			<51	<9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:09:27

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 9/10/17 ACF PBLK41251 ID: AB **Batchnumber: 172510041A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 16:43:18
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0044.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.97784
%SSR(DCB) : 102% (48-164) Conc.: 27.77318

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	62.68	
3.23	3.27	3.27	7693.419	1.170231			1
3.45	3.46	3.49	2229.17	0.331261			2
3.74	3.76	3.78	2637.726	0.335847			4
3.91	3.93	3.95	3916.643	0.692725			6
Height Summation:			**16476.958**				
Amount Avg CF:			**0.632516**	Linear:			
Aroclor-1221					3	161.34	
3.13	3.14	3.17	2343.538	0.769912			1
3.18	3.20	3.22	97547.42	35.034962			2
+ 3.18	3.22	3.22	4064.77	1.459896			2
3.23	3.27	3.27	7693.419	0.907191			3
Height Summation:			**107584.377**				
Amount Avg CF:			**12.237355**	Linear:			
Aroclor-1232					4	46.17	
3.23	3.27	3.27	7693.419	0.997483			1
3.45	3.46	3.49	2229.17	0.692142			2
3.74	3.76	3.78	2637.726	0.728621			4
3.91	3.93	3.95	3916.643	1.722201			6
Height Summation:			**16476.958**				
Amount Avg CF:			**1.035112**	Linear:			
Aroclor-1242					4	63.87	
3.23	3.27	3.27	7693.419	0.873985			1
3.45	3.46	3.49	2229.17	0.251901			2
3.74	3.76	3.78	2637.726	0.226941			4
3.91	3.93	3.95	3916.643	0.544255			6
Height Summation:			**16476.958**				
Amount Avg CF:			**0.474271**	Linear:			
Aroclor-1248					5	66.18	
+ 3.84	3.84	3.88	472.6032	0.097773			2
3.84	3.85	3.88	1900.543	0.393189			2
+ 3.84	3.87	3.88	1244.39	0.257443			2
+ 3.84	3.88	3.88	1528.651	0.316251			2
3.91	3.93	3.95	3916.643	0.486634			3
4.03	4.05	4.07	1949.336	0.214493			4
4.12	4.14	4.16	3071.921	0.390415			5
4.30	4.33	4.34	9292.32	1.105632			6
Height Summation:			**20130.763**				
Amount Avg CF:			**0.518073**	Linear:			
Aroclor-1254					4	60.50	
4.69	4.72	4.73	21831.46	1.073712			3
4.91	4.93	4.95	16214.81	1.304574			4
5.11	5.13	5.15	15261.24	2.145952			5
5.23	5.25	5.27	36210.5	3.875997			6
Height Summation:			**89518.01**				
Amount Avg CF:			**2.100059**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 16:43:18
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0044.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 103% (61-152) Conc.: 31.49718
%SSR(DCB) : 111% (48-164) Conc.: 30.10147

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	66.61	
2.92	2.94	2.96	8878.074	1.320031			1
3.12	3.16	3.16	3862.798	0.451596			2
3.40	3.41	3.44	2664.844	0.294086			4
3.57	3.59	3.61	4530.907	0.646334			6
Height Summation:			**19936.623**				
Amount Avg CF:			**0.678012**	Linear:			
Aroclor-1221					2	134.21	
2.86	2.87	2.90	86321.9	37.566033			2
2.92	2.94	2.96	8878.074	0.982896			3
Height Summation:			**95199.974**				
Amount Avg CF:			**19.274465**	Linear:			
Aroclor-1232					4	36.52	
2.92	2.94	2.96	8878.074	1.078961			1
3.12	3.16	3.16	3862.798	0.894451			2
3.40	3.41	3.44	2664.844	0.639048			4
3.57	3.59	3.61	4530.907	1.537293			6
Height Summation:			**19936.623**				
Amount Avg CF:			**1.037438**	Linear:			
Aroclor-1242					4	56.78	
2.92	2.94	2.96	8878.074	0.954556			1
3.12	3.16	3.16	3862.798	0.511421			2
3.40	3.41	3.44	2664.844	0.202535			4
3.57	3.59	3.61	4530.907	0.511312			6
Height Summation:			**19936.623**				
Amount Avg CF:			**0.544956**	Linear:			
Aroclor-1248					4	69.03	
3.55	3.57	3.59	4833.967	0.525333			3
3.67	3.69	3.71	3339.231	0.301823			4
3.76	3.78	3.80	12573.19	1.643528			5
3.90	3.92	3.94	13824.75	0.950003			6
Height Summation:			**34571.138**				
Amount Avg CF:			**0.855172**	Linear:			
Aroclor-1254					6	54.20	
4.20	4.22	4.24	8217.438	0.712045			1
4.26	4.28	4.30	24220.56	1.186958			2
4.35	4.37	4.39	23942.12	2.497905			3
4.42	4.44	4.46	15975.12	1.26748			4
4.64	4.66	4.68	11686	1.316958			5
4.72	4.74	4.76	43442.05	3.089917			6
Height Summation:			**127483.288**				
Amount Avg CF:			**1.678544**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 9/10/17 ACF PBLK41251 ID: AB **Batchnumber: 172510041A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 16:43:18
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0044.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	28.13	
4.82	4.84	4.86	20817.96	1.430358			1
5.02	5.04	5.06	34324.57	2.402594			2
5.23	5.25	5.27	36210.5	2.671146			3
5.45	5.47	5.49	12871.13	1.639596			4
5.69	5.71	5.73	31643.2	1.645988			5
5.89	5.91	5.93	34834.97	2.7708			6
Height Summation:			**170702.33**				
Amount Avg CF:			**2.093414**	Linear:			
Aroclor-1262					6	50.73	
5.29	5.31	5.33	10191.93	0.875089			1
5.45	5.47	5.49	12871.13	1.243135			2
5.69	5.71	5.73	31643.2	1.392856			3
5.89	5.91	5.93	34834.97	2.246557			4
5.95	5.96	5.99	2940.144	0.376846			5
6.31	6.33	6.35	13487.51	1.927917			6
Height Summation:			**105968.884**				
Amount Avg CF:			**1.343733**	Linear:			
Aroclor-1268					6	163.52	
5.89	5.91	5.93	34834.97	1.252338			1
5.95	5.96	5.99	2940.144	0.122236			2
6.08	6.10	6.12	138635.2	6.005924			3
6.14	6.17	6.18	160949.7	26.557242			4
6.31	6.33	6.35	13487.51	1.896101			5
6.51	6.54	6.55	68774.03	1.468942			6
Height Summation:			**419621.554**				
Amount Avg CF:			**6.21713**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 16:43:18
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0044.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	20.08	
4.35	4.37	4.39	23942.12	1.606483			1
4.49	4.51	4.53	30625.27	1.791353			2
4.60	4.61	4.64	22828.39	1.65138			3
4.72	4.74	4.76	43442.05	2.604166			4
5.14	5.16	5.18	42397.05	1.968496			5
5.40	5.42	5.44	21227.84	1.664352			6
Height Summation:			**184462.72**				
Amount Avg CF:			**1.881038**	Linear:			
Aroclor-1262					6	28.21	
4.76	4.78	4.80	10696.07	0.655751			1
4.95	4.97	4.99	17355.88	1.143432			2
5.14	5.16	5.18	42397.05	1.513812			3
5.36	5.37	5.40	9777.909	0.965294			4
5.40	5.42	5.44	21227.84	1.242369			5
5.78	5.80	5.82	11044.45	1.510288			6
Height Summation:			**112499.199**				
Amount Avg CF:			**1.171824**	Linear:			
Aroclor-1268					6	166.38	
5.36	5.37	5.40	9777.909	0.336916			1
5.40	5.42	5.44	21227.84	0.762875			2
5.56	5.58	5.60	110791.9	4.762397			3
5.62	5.64	5.66	127577	22.527512			4
5.78	5.80	5.82	11044.45	1.384838			5
5.98	6.00	6.02	75317.58	1.372268			6
Height Summation:			**355736.679**				
Amount Avg CF:			**5.191134**	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		6.94	4	40	
Aroclor-1221			51	15.3		** 44.66	3	40	
Aroclor-1232			51	12.3		0.22	4	40	
Aroclor-1242			51	12.3		13.87	4	40	
Aroclor-1248			51	9.9		** 49.10	4	40	
Aroclor-1254			51	13.2		22.31	4	40	
Aroclor-1260			51	11.7		10.69	4	40	
Aroclor-1262			51	9.9		13.67	4	40	
Aroclor-1268			51	9.9		17.99	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/17 ACF ABPBLK41251 BLK 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 4:43:18 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0044.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.536		5812	6685
1.668		44161	143910
1.698		33251	45532
1.721		26953	32370
1.765		15571	20182
1.797		21979	28852
1.822		12007	8986
1.912		8363	6266
1.943		4801	3230
2.026		3220	2130
2.107		26430	55718
2.156		32100	68424
2.202		27938	46434
2.269		16508	17064
2.295		35946	30581
2.39		18230	9574
2.434		8590	8442
2.549		13545	10592
2.636		2934	1820
2.729		14934	10618
2.754		6938	4692
2.883		3485	2747
2.907		2325	1469
2.959		8952	11734
2.999	TCX	11725200	7243852
3.107		13092	14370
3.143		2344	2296
3.197		97547	62111
3.221		4065	1593
3.268		7693	4232
3.311		2896	1093
3.329		24788	15857
3.419		2655	1300
3.457		2229	2428
3.554		3264	2859
3.671		10308	16042
3.696		3300	2171
3.736		5370	5927
3.762		2638	1546
3.84		473	291
3.855		1901	389
3.866		1244	191
3.876		1529	494
3.896		577	181
3.928		3917	2803
3.955		7474	7917
3.993		5458	6269
4.055		1949	852
4.1		1466	448
4.14		3072	2805
4.169		16496	12347
4.253		14236	19869
4.328		9292	7295

RT A	Compound A	Height A	Area A
4.357		12374	15667
4.401		3801	8014
4.421		2874	2000
4.465		13725	15034
4.497		4292	3115
4.562		1908	1185
4.602		5869	5601
4.682		2180	2531
4.717		21831	20031
4.767		7574	7757
4.803		5347	3883
4.844		20818	18553
4.886		2145	1887
4.933		16215	15609
4.967		21881	25026
5.043		34325	49651
5.095		2807	2172
5.133		15261	16101
5.207		35555	32349
5.247		36211	34227
5.287		2037	1194
5.313		10192	8151
5.351		9481	9861
5.392		3735	4751
5.452		11391	12217
5.474		12871	9716
5.527		10067	11584
5.569		5339	4755
5.609		27951	26665
5.649		7696	6407
5.709		31643	24435
5.732		64737	51691
5.819		1222	1221
5.836		1595	834
5.911		34835	33850
5.943		2735	1255
5.958		2940	1576
6.015		2001	2055
6.075		1102	563
6.101		138635	132771
6.165		160950	187457
6.267		4013	3397
6.297		1419	576
6.335		13488	13444
6.469		1318	1161
6.535		68774	66679
6.63		1400	348
6.682	DCB	3748793	3887384
6.795		1482	586
6.928		1043	512
6.999		1107	421
7.02		862	321
7.087		1429	469
7.136		1306	432
7.177		1209	1311
7.262		1834	599
7.435		2044	641
7.462		1426	389
7.485		1009	445
7.507		1405	487
7.586		1125	432
7.627		1414	479
7.695		1643	1124
7.724		1078	456
7.797		2143	702
7.835		1950	808

RT A	Compound A	Height A	Area A
7.878		1175	251
7.902		1805	667
7.986		949	276
8.065		1662	1245
8.09		1717	584
8.239		1904	551
8.448		1813	784
8.517		2101	746
8.609		1501	698
8.677		1648	1131

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/17 ACF ABPBLK41251 BLK 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 4:43:18 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0044.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.51		5423	4005
1.529		7549	6515
1.562		12712	21045
1.59		16307	28154
1.657		6426	8634
1.697		8188	8330
1.798		5485	10824
1.848		2249	1312
1.911		13565	11986
1.964		38738	42948
2.027		18127	28845
2.092		15707	11184
2.15		4159	2545
2.178		2142	1439
2.22		5949	5733
2.247		2236	1175
2.268		8990	9455
2.332		2337	1808
2.364		16679	10084
2.401		4210	3146
2.536		7444	3565
2.555		2538	2774
2.604		2348	1482
2.652	TCX	12240510	7471516
2.85		5454	3864
2.87		86322	49947
2.907		2181	1877
2.937		8878	5027
2.96		22117	12869
2.986		23254	17029
3.031		6516	5523
3.063		4262	3163
3.107		4215	3105
3.156		3863	8689
3.219		3240	5869
3.307		3204	3314
3.347		2007	1106
3.361		5978	5475
3.413		2665	4864
3.487		2603	1415
3.565		4834	3270
3.589		4531	4072
3.626		4582	2652
3.654		2619	2352
3.691		3339	4278
3.714		27531	20658
3.782		12573	63713
3.917		13825	13252
3.98		16936	15921
4.017		13239	8694
4.051		3416	1556
4.065		8138	4259
4.116		6564	9031
4.165		2913	2363

4.196		4952	3436
4.218		8217	4512
4.282		24221	42153
4.321		4185	3791
4.374		23942	18569
4.444		15975	11397
4.468		3780	2178
4.486		16817	10668
4.511		30625	21920
4.613		22828	23172
4.665		11686	9192
4.69		4128	4525
4.717		7849	3988
4.744		43442	36285
4.776		10696	8722
4.815		8816	6756
4.891		5588	4824
4.913		2273	1284
4.966		17356	13069
4.99		9062	6540
5.04		11710	11864
5.076		4810	3500
5.11		29116	22958
5.137		3605	1883
5.159		42397	34145
5.233		78066	63290
5.273		5116	5883
5.375		9778	8079
5.417		21228	22687
5.519		2842	3493
5.576		110792	97676
5.643		127577	109778
5.692		31226	24734
5.799		11044	9054
6		75318	65597
6.158	DCB	4795291	4271928
8.297		8619	17286

BLANKA 9/10/17 ACF ABPBLK41251 BLK 172510041A 10225 SW-846 8

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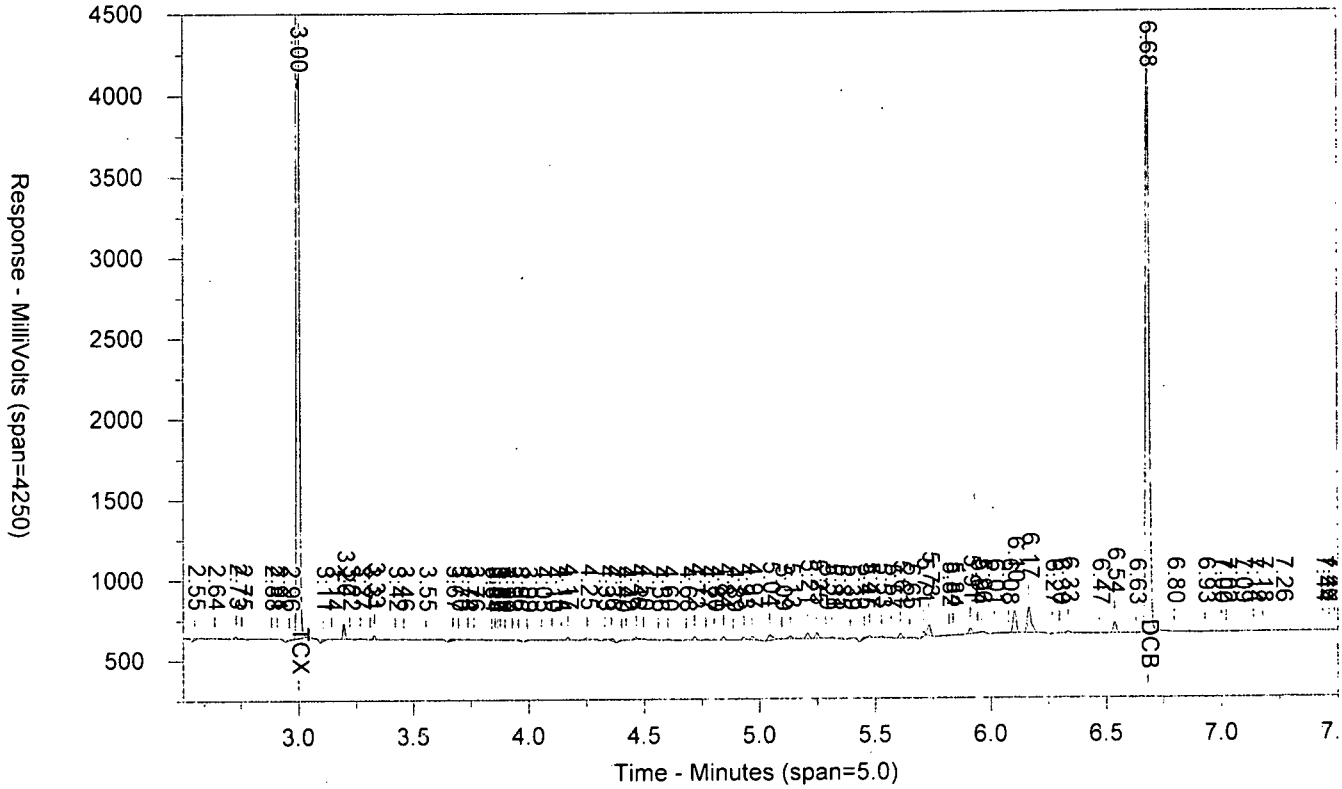

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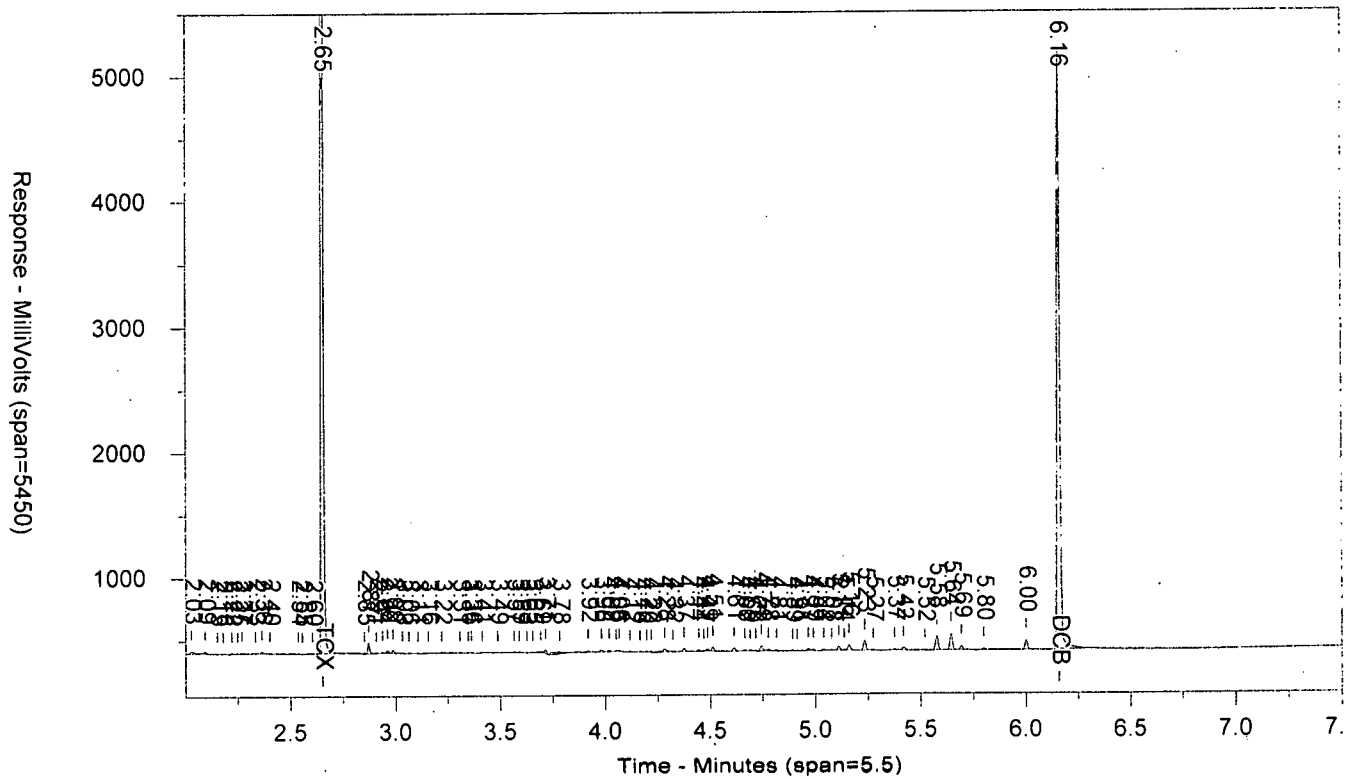

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/17 ACF ABPBLK41251 BLK 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 4:43:18 PM Sample Weight: 10
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound I
2.999	11725200	30.978	TCX	2.652	12240510	31.497	TCX
6.682	3748793	27.773	DCB	6.158	4795291	30.101	DCB

Files:
Area File: 07pcbs17250007.0044.RAW
Area File: 07pcbs17250007B.0044.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 4:52:01 PM
File Reported On: 9/15/2017 at 4:52:09 PM

BLANKA 9/10/17 ACF ABPBLK41251 BLK 172510041A 10225 SW-846 8

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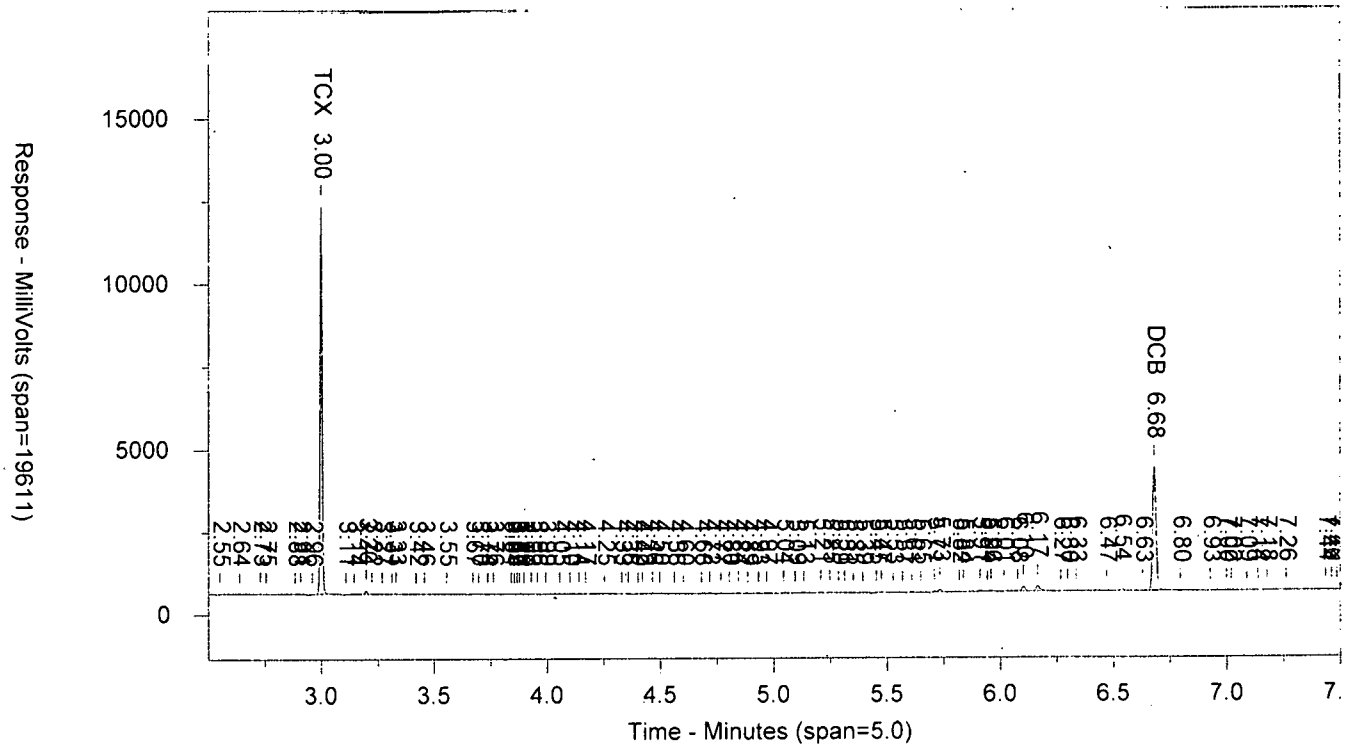

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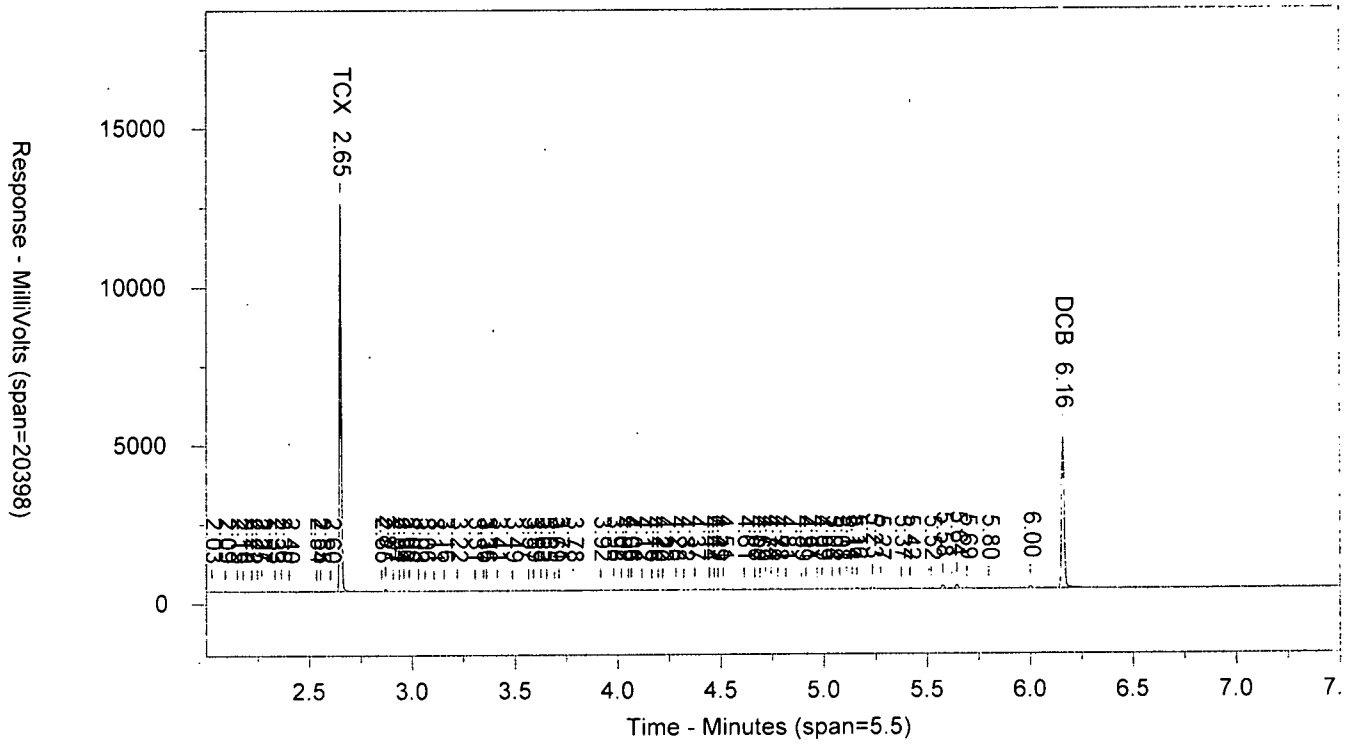

BLANKA 9/10/17 ACF ABPBLK41251 BLK 172510041A 10225 SW-846 8

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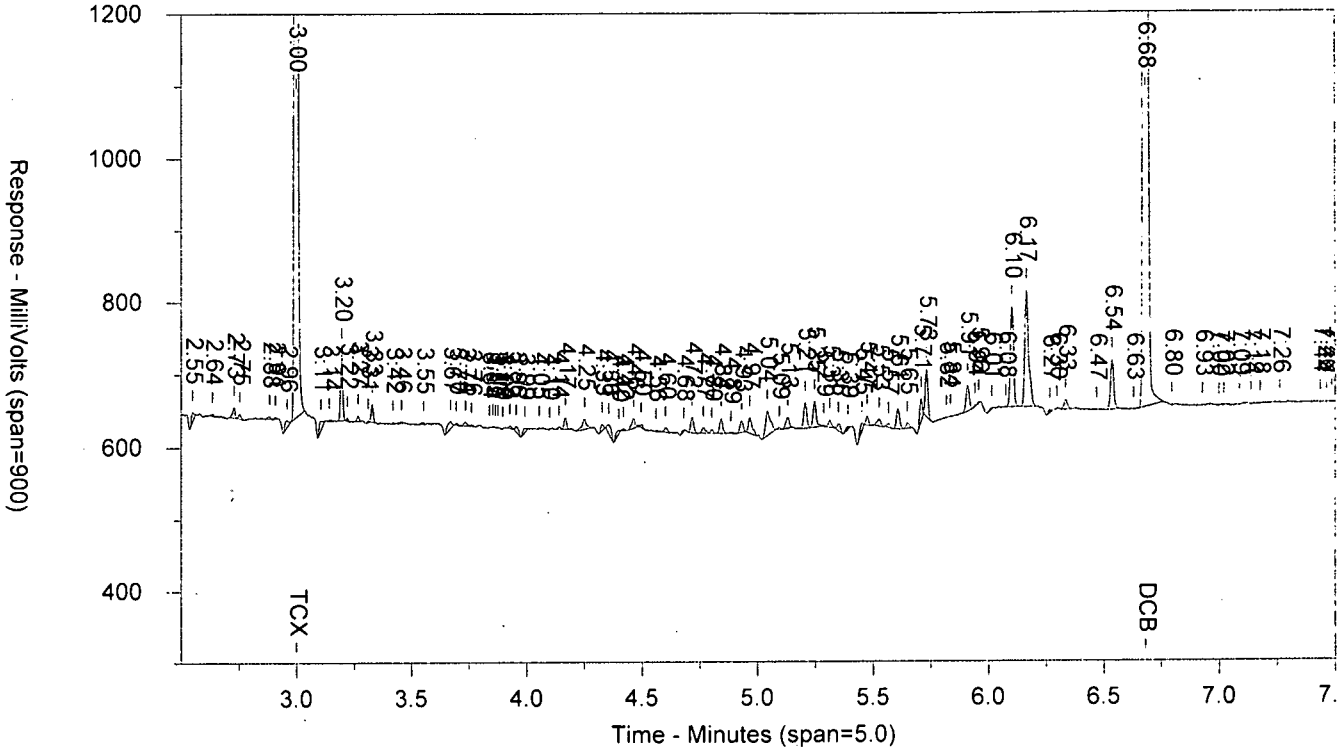

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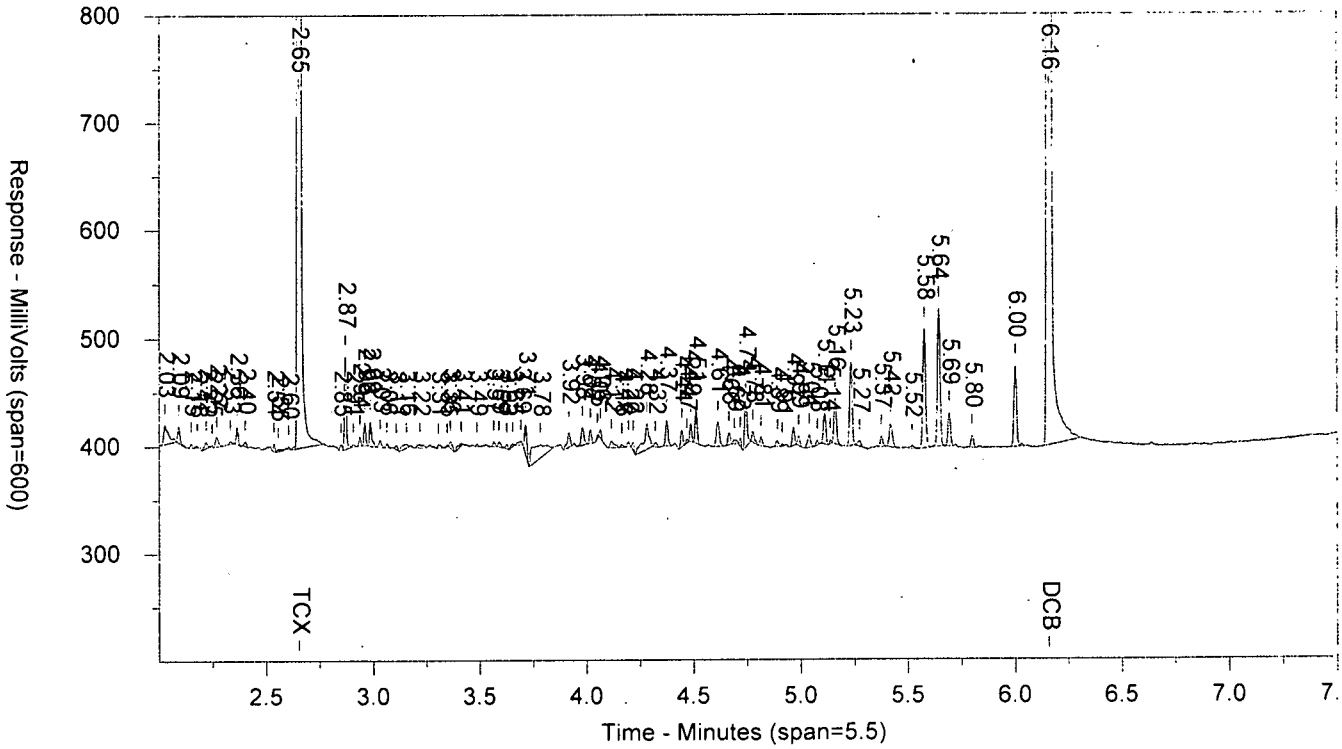

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Data Summary

Sample Name: 9197304 MS ACF DF5 T1-OE MS Sample ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.09 g Total Volume: 50 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 17:17:34
Instrument	19843A
Result file	07PCBS17250007.0047.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 108% (61 - 152) Conc: 32.57319
%SSR(DCB) 133% (48 - 164) Conc: 35.8838

Analysis Report (B)

Injected on	Sep 15, 2017 17:17:34
Instrument	19843B
Result file	07PCBS17250007B.0047.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 115% (61 - 152) Conc: 34.69302
%SSR(DCB) 132% (48 - 164) Conc: 35.43879

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	2488002	32.57319
Decachlorobiphenyl	6.65	6.68	6.71	977430	35.8838

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	2720766	34.69302
Decachlorobiphenyl	6.13	6.16	6.19	1139272	35.43879

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	34.69302				6.30	
Tetrachloro-m-xylene-D1	A	32.57319					
Tetrachloro-m-xylene-D2	B	34.69302					
Decachlorobiphenyl	A	35.8838				1.25	
Decachlorobiphenyl-D1	A	35.8838					
Decachlorobiphenyl-D2	B	35.43879					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**1.67**	
3.23	3.25	3.27	711989.1	536.666162			1
3.45	3.47	3.49	741656.4	546.145424			2
3.56	3.58	3.60	877752.4	542.207908			3
3.74	3.76	3.78	862775.9	544.362798			4
3.78	3.80	3.82	1016683	546.580995			5
3.91	3.93	3.95	643238.4	563.764562			6
Height summation:			**4854095.2**				
Concentration		CF:	**546.621308**	L:			
Aroclor-1260						**10.28**	
4.82	4.84	4.86	2448070	833.506785			1
5.02	5.04	5.06	2634456	913.787012			2
5.23	5.25	5.27	2914718	1065.463205			3
5.45	5.47	5.49	1641899	1036.4429			4
5.69	5.71	5.73	4247415	1094.837922			5
5.89	5.91	5.93	2677794	1055.469782			6
Height summation:			**16564352**				
Concentration		CF:	**999.917934**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**12.66**	
2.92	2.94	2.96	772470.4	569.14901			1
3.12	3.14	3.16	677132.8	392.284294			2
3.25	3.26	3.29	933120.2	546.913296			3
3.40	3.42	3.44	978664.2	535.19858			4
3.44	3.46	3.48	935570.6	544.733701			5
3.57	3.59	3.61	799065.7	564.85043			6
Height summation:			**5096023.9**				
Concentration		CF:	**525.521552**	L:			
Aroclor-1260						**11.05**	
4.35	4.37	4.39	2631116	874.847301			1
4.49	4.51	4.53	3224659	934.68193			2
4.60	4.62	4.64	2442244	875.466887			3
4.72	4.74	4.76	3258928	968.081744			4
5.14	5.16	5.18	4803102	1105.094907			5
5.40	5.42	5.44	2874561	1116.836997			6
Height summation:			**19234610**				
Concentration		CF:	**979.168294**	L:			

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:09:35

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Data Summary

Sample Name: 9197304 MS ACF DF5 T1-OE MS Sample ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.09 g Total Volume: 50 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 17:17:34
Instrument	19843A
Result file	07PCBS17250007.0047.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

Analysis Report (B)

Injected on	Sep 15, 2017 17:17:34
Instrument	19843B
Result file	07PCBS17250007B.0047.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	A	546.621308	252.7255	49.0585		3.94	4	
☐ PCB-1221			<252.7255	<75.8176			3	
☐ PCB-1232			<252.7255	<60.9514			4	
☐ PCB-1242			<252.7255	<60.9514			4	
☐ PCB-1248			<252.7255	<49.0585			4	
☐ PCB-1254			<252.7255	<65.4113			4	
☐ PCB-1260	A	999.917934	252.7255	57.9782		2.10	4	
☐ PCB-1262			<252.7255	<49.0585			4	
☐ PCB-1268			<252.7255	<49.0585			4	
☐ Total PCBs	A	1546.539243	252.7255	49.0585				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:09:35

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197304** MS ACF DF5 T1-OE ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.09 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:17:34
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0047.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 32.57319
%SSR(DCB) : 133% (48-164) Conc.: 35.8838

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	1.67	
3.23	3.25	3.27	711989.1	536.666162			1
3.45	3.47	3.49	741656.4	546.145424			2
+ 3.45	3.48	3.49	383592.1	282.47187			2
3.56	3.58	3.60	877752.4	542.207908			3
+ 3.74	3.75	3.78	542932.3	342.559575			4
3.74	3.76	3.78	862775.9	544.362798			4
3.78	3.80	3.82	1016683	546.580995			5
3.91	3.93	3.95	643238.4	563.764562			6
Height Summation:			**4854095.2**				
Amount Avg CF:			**546.621308**	Linear:			
Aroclor-1221					3	29.69	
3.13	3.15	3.17	143199.6	233.125525			1
3.18	3.20	3.22	164634.1	293.011387			2
3.23	3.25	3.27	711989.1	416.036813			3
Height Summation:			**1019822.8**				
Amount Avg CF:			**314.057909**	Linear:			
Aroclor-1232					6	29.77	
3.23	3.25	3.27	711989.1	457.444425			1
E 3.45	3.47	3.49	741656.4	1141.126031			2
+ 3.45	3.48	3.49	383592.1	590.201784			2
E 3.56	3.58	3.60	877752.4	1127.092291			3
+ 3.74	3.75	3.78	542932.3	743.184784			4
E 3.74	3.76	3.78	862775.9	1180.997927			4
E 3.78	3.80	3.82	1016683	1115.189692			5
E 3.91	3.93	3.95	643238.4	1401.589183			6
Height Summation:			**4854095.2**				
Amount Avg CF:			**1070.573258**	Linear:			
Aroclor-1242					6	6.13	
3.23	3.25	3.27	711989.1	400.808364			1
3.45	3.47	3.49	741656.4	415.306044			2
+ 3.45	3.48	3.49	383592.1	214.800435			2
3.56	3.58	3.60	877752.4	412.351098			3
+ 3.74	3.75	3.78	542932.3	231.476962			4
3.74	3.76	3.78	862775.9	367.840971			4
3.78	3.80	3.82	1016683	395.145099			5
3.91	3.93	3.95	643238.4	442.934419			6
Height Summation:			**4854095.2**				
Amount Avg CF:			**405.730999**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 17:17:34
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0047.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 115% (61-152) Conc.: 34.69302
%SSR(DCB) : 132% (48-164) Conc.: 35.43879

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	12.66	
2.92	2.94	2.96	772470.4	569.14901			1
3.12	3.14	3.16	677132.8	392.284294			2
+ 3.12	3.15	3.16	221055.8	128.064566			2
3.25	3.26	3.29	933120.2	546.913296			3
+ 3.40	3.41	3.44	548337.5	299.867361			4
3.40	3.42	3.44	978664.2	535.19858			4
+* 3.40	3.44	3.44	53447.2	29.228479			4
+* 3.44	3.44	3.48	53447.2	31.119502			5
3.44	3.46	3.48	935570.6	544.733701			5
3.57	3.59	3.61	799065.7	564.85043			6
+ 3.57	3.61	3.61	243319.1	171.999497			6
Height Summation:			**5096023.9**				
Amount Avg CF:			**525.521552**	Linear:			
Aroclor-1221					3	26.96	
2.80	2.82	2.84	179723.9	243.112697			1
+ 2.86	2.87	2.90	8891.105	19.173832			2
2.86	2.88	2.90	157270.4	339.156522			2
2.92	2.94	2.96	772470.4	423.788972			3
Height Summation:			**1109464.7**				
Amount Avg CF:			**335.35273**	Linear:			
Aroclor-1232					6	31.89	
2.92	2.94	2.96	772470.4	465.208529			1
3.12	3.14	3.16	677132.8	776.975425			2
+ 3.12	3.15	3.16	221055.8	253.65028			2
E 3.25	3.26	3.29	933120.2	1107.011309			3
+ 3.40	3.41	3.44	548337.5	651.611371			4
E 3.40	3.42	3.44	978664.2	1162.98579			4
+* 3.44	3.44	3.48	53447.2	62.369404			5
+* 3.40	3.44	3.44	53447.2	63.513444			4
E 3.44	3.46	3.48	935570.6	1091.750011			5
E 3.57	3.59	3.61	799065.7	1343.485101			6
+ 3.57	3.61	3.61	243319.1	409.097257			6
Height Summation:			**5096023.9**				
Amount Avg CF:			**991.236027**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197304** MS ACF DF5 T1-OE ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.09 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:17:34
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0047.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	52.40	
3.78	3.80	3.82	1016683	1108.776065			1
3.84	3.86	3.88	894526.1	917.056426			2
3.91	3.93	3.95	643238.4	396.040289			3
4.03	4.06	4.07	663807.4	361.949279			4
4.12	4.15	4.16	690663.9	434.972269			5
4.30	4.31	4.34	744579.7	439.0122			6
+ 4.30	4.33	4.34	164513.6	96.998988			6
Height Summation:			**4653498.5**				
Amount Avg CF:			**609.634421**	Linear:			
Aroclor-1254					6	103.57	
4.29	4.31	4.32	744579.7	407.143461			1
+ 4.63	4.66	4.67	105102	54.190288			2
4.63	4.67	4.67	287675.6	148.324709			2
4.69	4.72	4.73	680940.4	165.95599			3
4.91	4.93	4.95	382841	152.635025			4
5.11	5.13	5.15	1134856	790.769377			5
5.23	5.25	5.27	2914718	1546.052601			6
Height Summation:			**6145610.7**				
Amount Avg CF:			**535.146861**	Linear:			
Aroclor-1260					6	10.28	
4.82	4.84	4.86	2448070	833.506785			1
5.02	5.04	5.06	2634456	913.787012			2
5.23	5.25	5.27	2914718	1065.463205			3
5.45	5.47	5.49	1641899	1036.4429			4
5.69	5.71	5.73	4247415	1094.837922			5
5.89	5.91	5.93	2677794	1055.469782			6
Height Summation:			**16564352**				
Amount Avg CF:			**999.917934**	Linear:			
Aroclor-1262					6	28.03	
5.29	5.31	5.33	1438110	611.880795			1
5.45	5.47	5.49	1641899	785.827052			2
5.69	5.71	5.73	4247415	926.465985			3
5.89	5.91	5.93	2677794	855.771872			4
5.95	5.97	5.99	590471.6	375.035714			5
6.31	6.33	6.35	967874.9	685.574562			6
Height Summation:			**11563564.5**				
Amount Avg CF:			**706.75933**	Linear:			
Aroclor-1268					6	95.24	
5.89	5.91	5.93	2677794	477.048024			1
5.95	5.97	5.99	590471.6	121.648538			2
6.08	6.10	6.12	79015.94	16.962892			3
+ 6.14	6.16	6.18	37373.11	30.558418			4
6.14	6.18	6.18	487902.3	398.937164			4
6.31	6.33	6.35	967874.9	674.260377			5
6.51	6.54	6.55	211486.1	22.384164			6
Height Summation:			**5014544.84**				
Amount Avg CF:			**285.20686**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 17:17:34
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0047.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	7.25	
2.92	2.94	2.96	772470.4	411.569498			1
3.12	3.14	3.16	677132.8	444.252077			2
+ 3.12	3.15	3.16	221055.8	145.029894			2
3.25	3.26	3.29	933120.2	418.415322			3
+ 3.40	3.41	3.44	548337.5	206.5168			4
3.40	3.42	3.44	978664.2	368.587957			4
+* 3.44	3.44	3.48	53447.2	22.483315			5
+* 3.40	3.44	3.44	53447.2	20.129473			4
3.44	3.46	3.48	935570.6	393.560911			5
3.57	3.59	3.61	799065.7	446.850673			6
+ 3.57	3.61	3.61	243319.1	136.06804			6
Height Summation:			**5096023.9**				
Amount Avg CF:			**413.87274**	Linear:			
Aroclor-1248					6	57.63	
+ 3.44	3.44	3.48	53447.2	67.945751			1
3.44	3.46	3.48	935570.6	1189.361602			1
3.51	3.53	3.55	987834	916.069128			2
3.55	3.57	3.59	717171.4	386.218224			3
3.67	3.69	3.71	893627.2	400.259355			4
+ 3.76	3.77	3.80	216879.6	140.484744			5
3.76	3.78	3.80	673002.9	435.94068			5
3.90	3.92	3.94	1018328	346.764319			6
Height Summation:			**5225534.1**				
Amount Avg CF:			**612.435551**	Linear:			
Aroclor-1254					6	112.76	
4.20	4.22	4.24	251619.7	108.042395			1
+ 4.26	4.26	4.30	303492.6	73.70181			2
+ 4.26	4.28	4.30	234235.3	56.882987			2
4.26	4.30	4.30	766067.5	186.036039			2
4.35	4.37	4.39	2631116	1360.292188			3
4.42	4.44	4.46	212036.2	83.365386			4
4.64	4.67	4.68	351080.3	196.061069			5
4.72	4.74	4.76	3258928	1148.656395			6
Height Summation:			**7470847.7**				
Amount Avg CF:			**513.742245**	Linear:			
Aroclor-1260					6	11.05	
4.35	4.37	4.39	2631116	874.847301			1
4.49	4.51	4.53	3224659	934.68193			2
4.60	4.62	4.64	2442244	875.466887			3
4.72	4.74	4.76	3258928	968.081744			4
5.14	5.16	5.18	4803102	1105.094907			5
5.40	5.42	5.44	2874561	1116.836997			6
Height Summation:			**19234610**				
Amount Avg CF:			**979.168295**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197304** MS ACF DF5 T1-OE ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.09 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:17:34
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0047.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2017 17:17:34
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0047.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**25.44**	
4.76	4.78	4.80	1725001	524.062319			1
4.95	4.97	4.99	1994427	651.119268			2
5.14	5.16	5.18	4803102	849.839592			3
5.36	5.38	5.40	876271.4	428.677895			4
5.40	5.42	5.44	2874561	833.671593			5
5.78	5.80	5.82	941944.4	638.292719			6
Height Summation:			**13215306.8**				
Amount Avg CF:			**654.277231**	Linear:			
Aroclor-1268					**6**	**117.01**	
5.36	5.38	5.40	876271.4	149.621296			1
5.40	5.42	5.44	2874561	511.915393			2
5.56	5.57	5.60	76090.74	16.207954			3
5.62	5.64	5.66	51816.36	45.340529			4
5.78	5.80	5.82	941944.4	585.273763			5
5.98	6.00	6.02	222376.4	20.077523			6
Height Summation:			**5043060.3**				
Amount Avg CF:			**221.406077**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			252.7255	49.0585		3.94	4	40	
Aroclor-1221			252.7255	75.8176		6.56	3	40	
Aroclor-1232			252.7255	60.9514	E	7.70	4	40	
Aroclor-1242			252.7255	60.9514		1.99	4	40	
Aroclor-1248			252.7255	49.0585		0.46	4	40	
Aroclor-1254			252.7255	65.4113		4.08	4	40	
Aroclor-1260			252.7255	57.9782		2.10	4	40	
Aroclor-1262			252.7255	49.0585		7.71	4	40	
Aroclor-1268			252.7255	49.0585		25.19	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197304MS ACF DF5 ACT1-OE MS 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:17:34 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0047.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.64		10547	11220
1.747		6494	4279
1.8		3994	3664
1.965		2361	1138
2.045		2142	1861
2.11		6780	8806
2.15		7515	8250
2.27		37892	30080
2.296		8657	5688
2.39		14165	16163
2.434		5291	3358
2.475		3445	2355
2.549		7806	8203
2.575		9088	9368
2.636		9877	6817
2.668		5611	4016
2.702		23327	13191
2.721		29989	16826
2.762		7176	5938
2.847		6399	4448
2.874		9725	5878
2.93		3630	2458
3	TCX	2488002	1653824
3.106		9024	7426
3.148		143200	122178
3.181		3137	1811
3.204		164634	117693
3.251		711989	498375
3.32		129645	91512
3.345		94621	59823
3.384		2538	1648
3.466		741656	452113
3.484		383592	210401
3.52		99459	54734
3.536		21241	7737
3.548		52732	26388
3.582		877752	632754
3.618		5142	3000
3.657		53282	35485
3.691		212727	121811
3.706		112395	58025
3.75		542932	261127
3.761		862776	433863
3.801		1016683	779595
3.861		894526	667343
3.902		79831	55833
3.929		643238	472034
3.957		438406	389046
3.978		105160	54404
4.055		663807	484141
4.08		256706	171745
4.111		278103	203835
4.145		690664	701646

RT A	Compound A	Height A	Area A
4.186		225154	181020
4.234		32580	21951
4.272		61268	41909
4.307		744580	558393
4.327		164514	90375
4.351		206948	160923
4.421		157755	142362
4.464		884967	828791
4.498		62253	45009
4.537		1970	1028
4.561		23575	17664
4.602		229900	218859
4.656		105102	69725
4.673		287676	201700
4.717		680940	618402
4.766		1060691	1187452
4.803		257242	179670
4.843		2448070	2279966
4.886		48889	43528
4.929		382841	402622
4.963		36221	23829
4.99		480414	443886
5.042		2634456	3331746
5.094		527592	482221
5.134		1134856	1224145
5.175		24336	13092
5.213		245020	297629
5.246		2914719	2510527
5.269		100356	50482
5.288		57729	27215
5.312		1438110	1277825
5.354		924053	883289
5.449		334644	280834
5.473		1641899	1406241
5.53		958493	870444
5.568		578295	561399
5.611		97396	98687
5.651		531696	530368
5.707		4247415	4362248
5.793		3529	2465
5.824		4522	3351
5.853		4173	2939
5.911		2677794	2509654
5.943		162444	112488
5.967		590472	646848
6.078		7868	5875
6.101		79016	70740
6.156		37373	35394
6.181		487902	437310
6.334		967875	949906
6.381		65358	61506
6.536		211486	218269
6.591		1273	522
6.611		1339	335
6.638		1467	414
6.683	DCB	977430	983249
6.842		1671	355
6.912		1761	518
6.959		1631	493
7.088		1902	494
7.226		1512	530
7.354		1003	1025
7.443		1696	485
7.562		2598	838
7.686		1435	608
7.712		1804	908

RT A	Compound A	Height A	Area A
7.733		1227	483
7.799		1759	778
8.091		1565	271
8.18		1185	573
8.334		1244	993
8.545		1606	543

LANCASTER LABORATORIES

Sample Number: 9197304MS ACF DF5 ACT1-OE MS 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:17:34 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0047.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.527		6024	6754
1.552		7060	7307
1.587		2347	1825
1.655		7898	7259
1.759		5649	3224
1.832		4062	2706
1.864		7976	5012
1.91		4873	4976
1.966		17206	17206
1.994		35127	23841
2.028		11576	15189
2.069		11311	13739
2.17		10077	7631
2.268		15188	14356
2.347		21143	34774
2.401		34265	20446
2.462		10569	8101
2.529		7274	3948
2.556		9539	7787
2.606		2984	1925
2.652	TCX	2720766	1632471
2.696		75371	58113
2.739		12748	14285
2.823		179724	122523
2.87		8891	3433
2.884		157270	90999
2.91		5226	3406
2.936		772470	585476
2.989		9173	10836
3.047		108989	68177
3.076		7204	6580
3.143		677133	332288
3.154		221056	79591
3.194		122112	74420
3.216		62658	35285
3.241		87957	48988
3.265		933120	632930
3.302		52306	37057
3.347		252545	131596
3.363		153841	72865
3.39		3662	1893
3.413		548338	262024
3.423		978664	400767
3.443		53447	18039
3.457		935571	636065
3.531		987834	622722
3.566		717171	448693
3.589		799066	444389
3.607		243319	119710
3.693		893627	566052
3.715		339290	186001
3.736		321077	186454
3.766		216880	118925
3.784		673003	411156

3.826		252448	187379
3.874		55727	55536
3.896		174077	104299
3.918		1018328	662126
3.943		191137	112507
3.962		40950	20884
3.982		155452	99132
4.018		887898	619261
4.051		66124	39291
4.067		85396	46885
4.13		14418	14124
4.154		132813	160165
4.221		251620	173823
4.264		303493	186255
4.282		234235	125428
4.295		766068	439981
4.321		458982	463374
4.374		2631116	1971721
4.418		56510	59344
4.444		212036	141124
4.469		639274	476592
4.512		3224659	2459628
4.615		2442244	2318211
4.668		351080	291299
4.707		759240	651134
4.743		3258928	2741667
4.776		1725001	1192216
4.814		1201620	915916
4.871		5027	2583
4.914		331847	231050
4.932		44636	22727
4.966		1994427	1614744
4.99		267261	175355
5.041		1137806	1008212
5.076		581488	457238
5.106		420877	333738
5.138		122687	68928
5.16		4803102	3984092
5.201		93838	67474
5.233		166915	138220
5.276		6215	4246
5.352		45659	28368
5.375		876271	718013
5.42		2874561	3089161
5.575		76091	63860
5.62		73032	55825
5.644		51816	34787
5.692		473884	411640
5.8		941944	809760
5.832		51878	37822
6		222376	206389
6.159	DCB	1139272	1042730
6.363		6280	6752
6.645		2136	1451
6.827		1643	1574
7.073		2508	2109
7.572		1520	5999
7.629		8687	12826
7.946		1664	1834
8.067		1312	1049
8.297		8034	13814

9197304MS ACF DF5 ACT1-OE MS 172510041A 10225 SW-846 80

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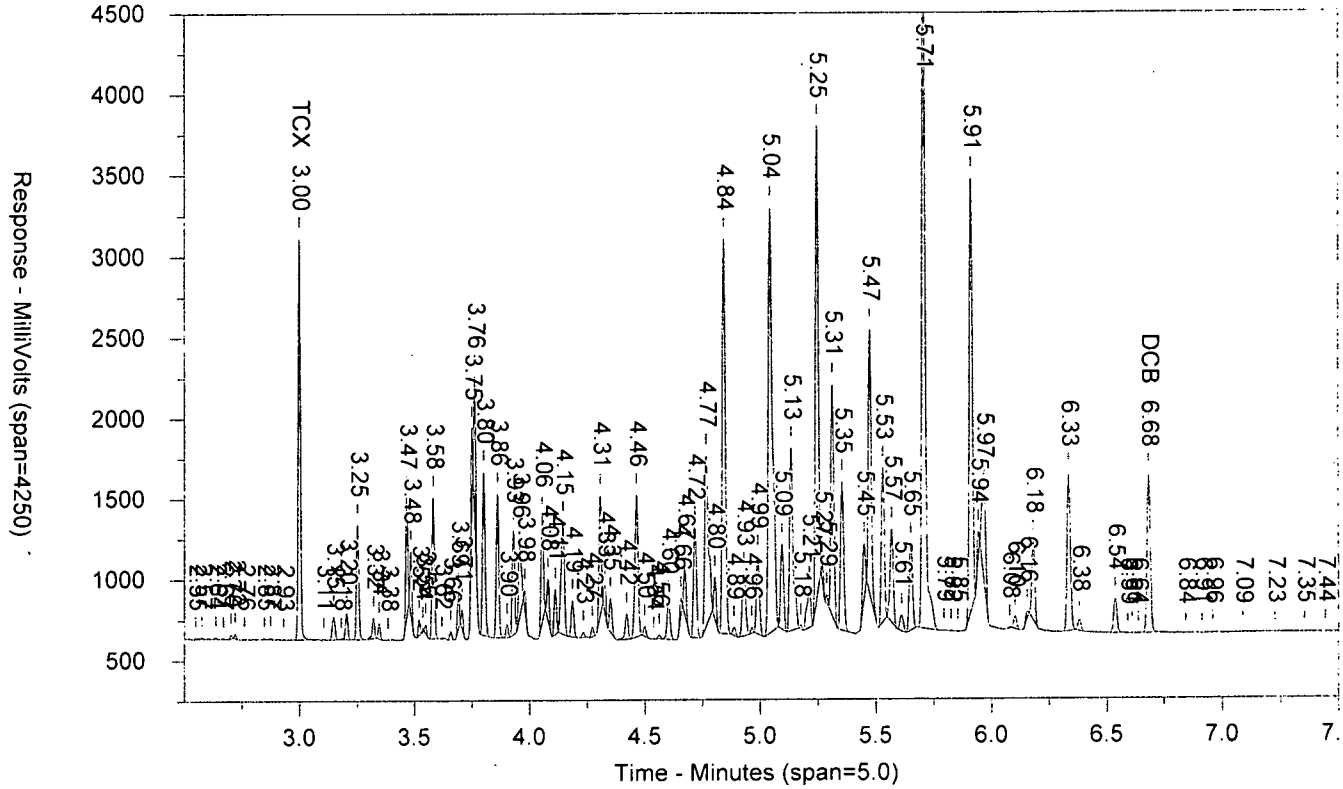

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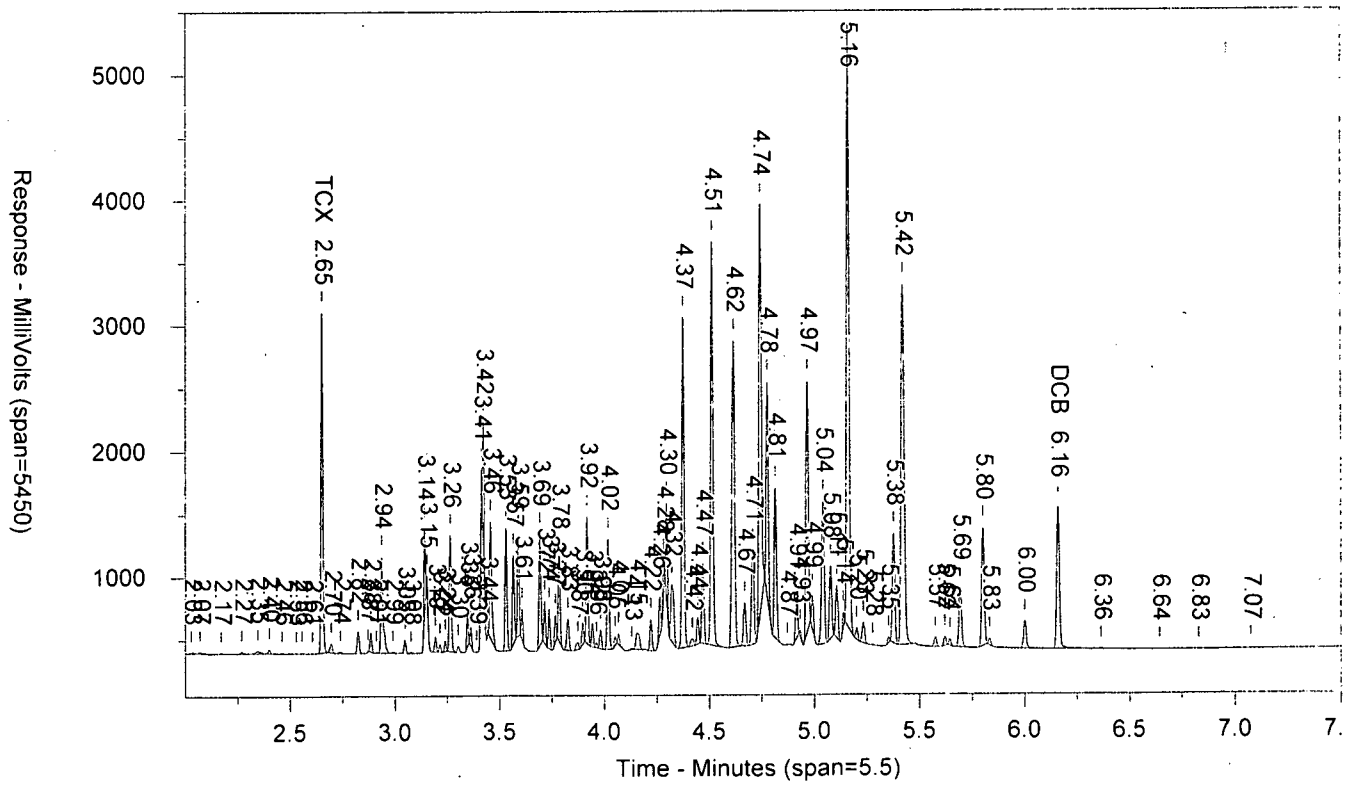

LANCASTER LABORATORIES

Sample Number: 9197304MS ACF DF5 ACT1-OE MS 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:17:34 PM
Sample Weight: 10.09
Instrument ID: CP7-19843A
Dilution Factor: 50
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	2488002	32.573	TCX	2.652	2720766	34.693	TCX
6.683	977430	35.884	DCB	6.159	1139272	35.439	DCB

Files:
Area File: 07pcbs17250007.0047.RAW
Area File: 07pcbs17250007B.0047.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 5:26:17 PM
File Reported On: 9/15/2017 at 5:26:27 PM

9197304MS ACF DF5 ACT1-OE MS 172510041A 10225 SW-846 80

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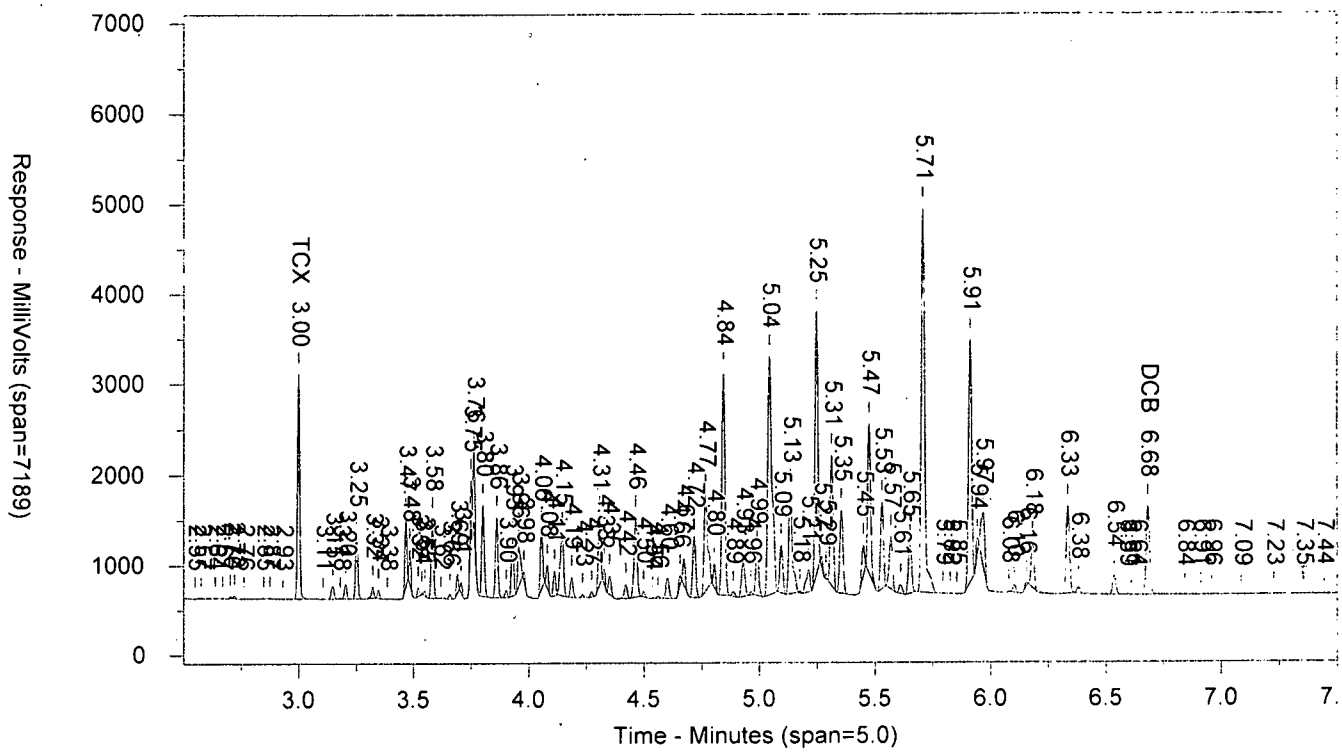

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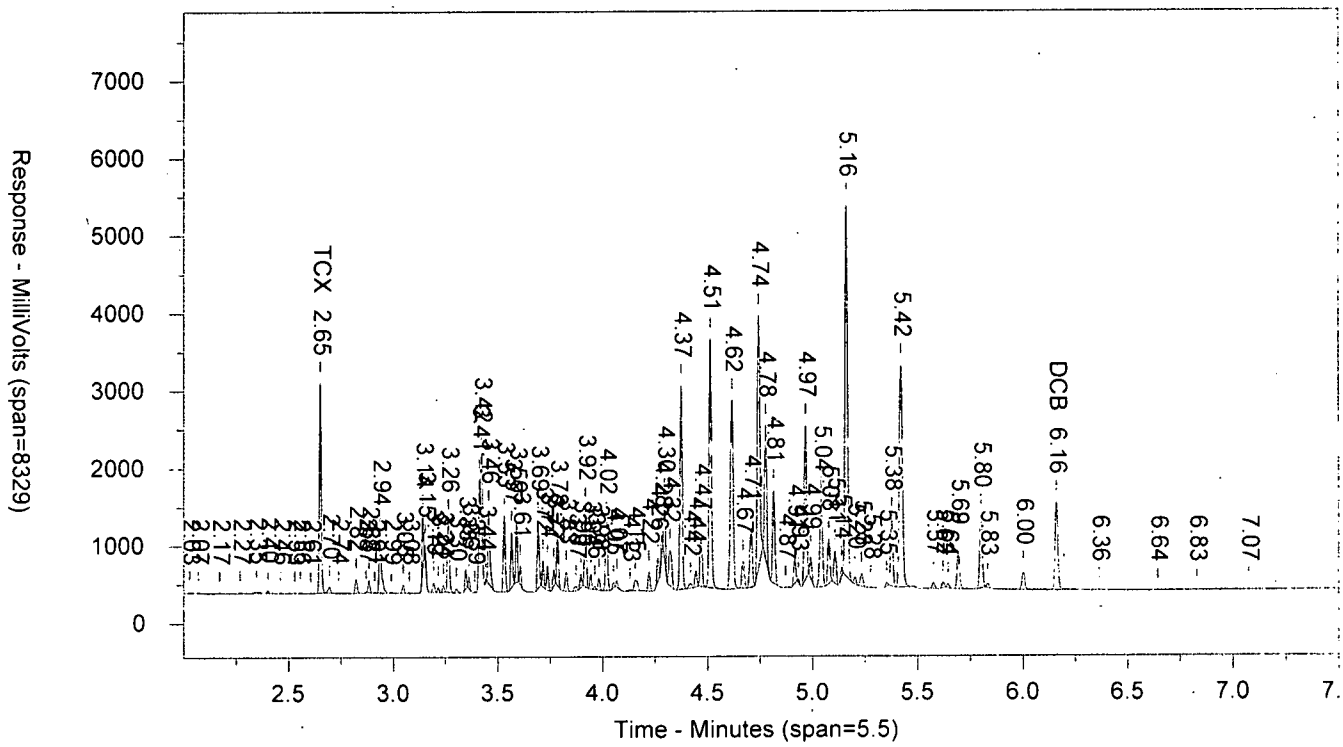

9197304MS ACF DF5 ACT1-OE MS 172510041A 10225 SW-846 80

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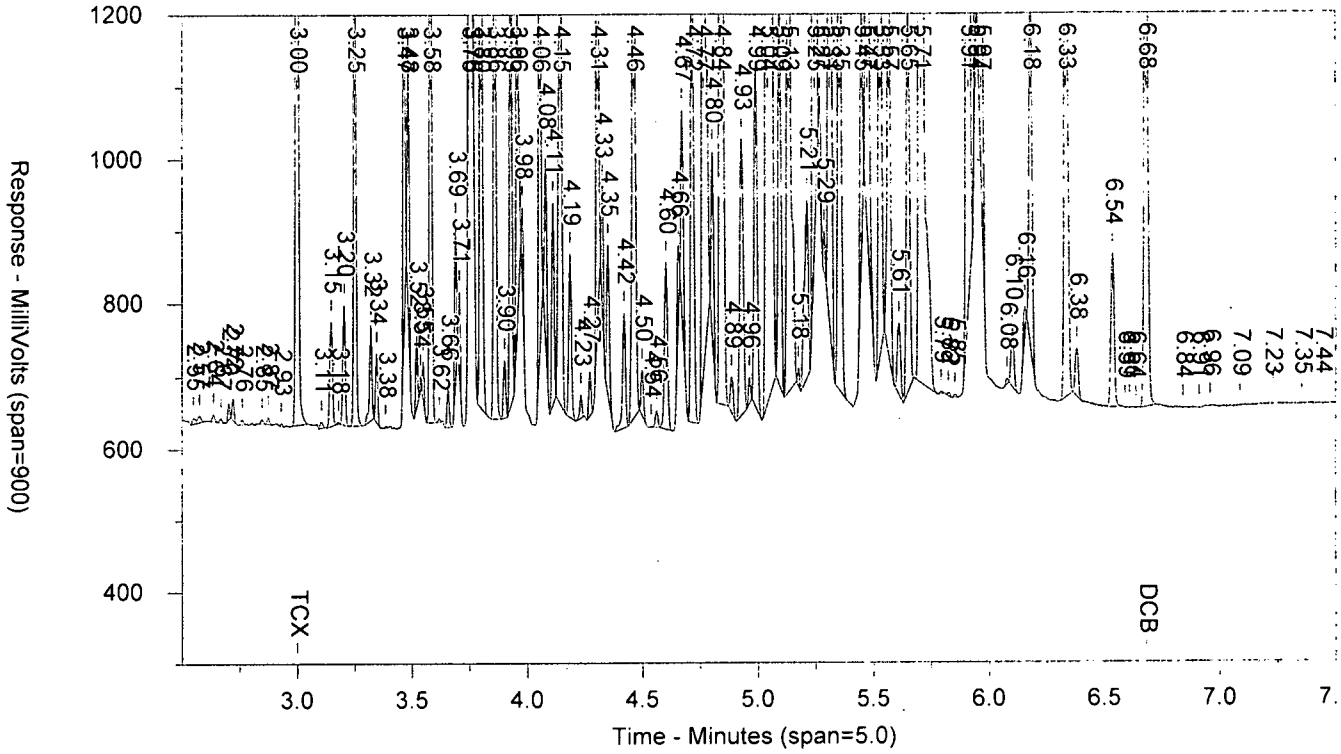

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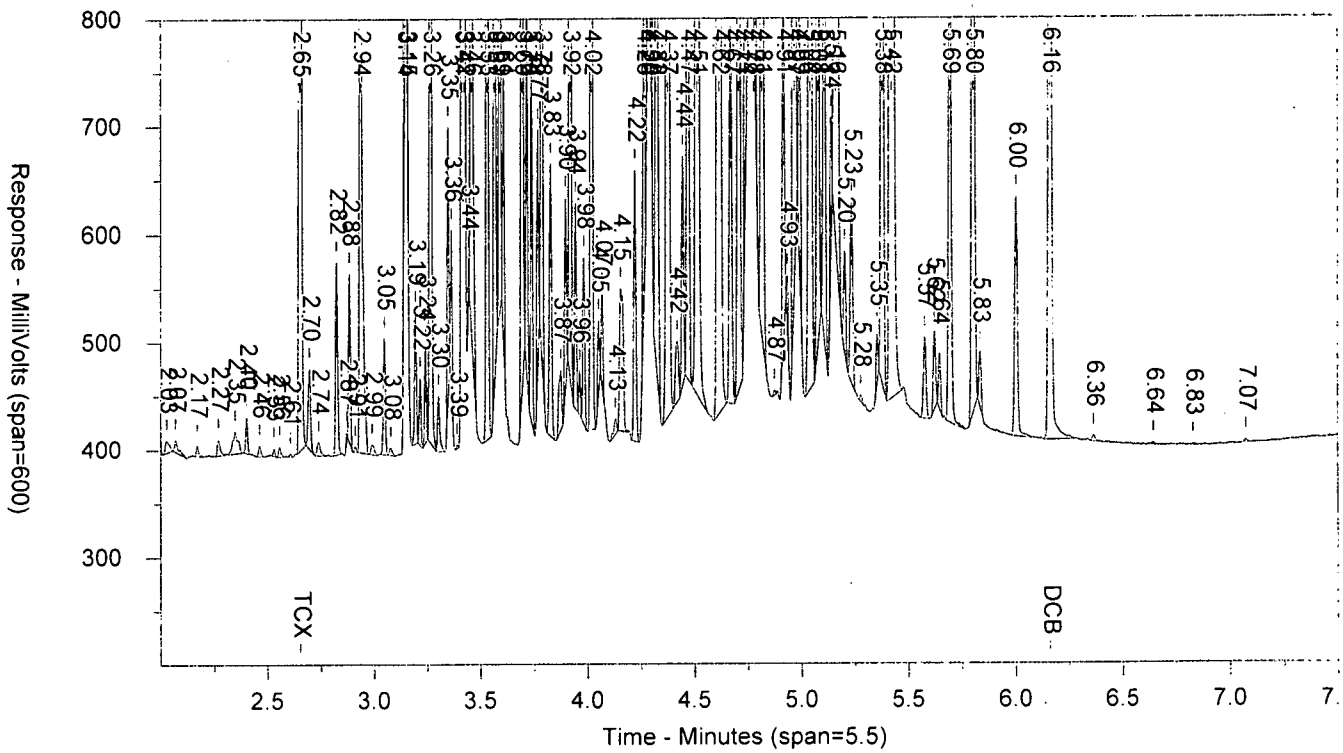

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Data Summary

Sample Name: 9197305 MSD ACF DF5 T1-OE MSD Sample ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.48 g Total Volume: 50 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 17:29:05
Instrument	19843A
Result file	07PCBS17250007.0048.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 72% (61 - 152) Conc: 21.12663
%SSR(DCB) 119% (48 - 164) Conc: 30.79133

Analysis Report (B)

Injected on	Sep 15, 2017 17:29:05
Instrument	19843B
Result file	07PCBS17250007B.0048.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 73% (61 - 152) Conc: 21.33101
%SSR(DCB) 95% (48 - 164) Conc: 24.71696

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	1676064	21.12663
Decachlorobiphenyl	6.65	6.68	6.71	871135	30.79133

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	1737523	21.33101
Decachlorobiphenyl	6.13	6.16	6.19	825303	24.71696

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	21.33101				0.96	
☐ Tetrachloro-m-xylene-D1	A	21.12663					
☐ Tetrachloro-m-xylene-D2	B	21.33101					
☐ Decachlorobiphenyl	A	30.79133				21.89	
☐ Decachlorobiphenyl-D1	A	30.79133					
☐ Decachlorobiphenyl-D2	B	24.71696					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**8.60**	
3.23	3.25	3.27	482636.3	350.252089			1
3.45	3.47	3.49	508181.4	360.291652			2
3.56	3.58	3.60	511290.7	304.08262			3
3.74	3.76	3.78	546838.2	332.184345			4
3.78	3.80	3.82	670998.3	347.312384			5
3.91	3.93	3.95	467314.2	394.334406			6
Height summation:			**3187259.1**				
Concentration		CF:	**348.076249**	L:			
Aroclor-1260						**15.00**	
4.82	4.84	4.86	8180837	2681.716912			1
5.02	5.04	5.06	8528713	2848.179888			2
5.23	5.25	5.27	10054230	3538.511511			3
5.45	5.47	5.49	5764818	3503.599267			4
5.69	5.71	5.73	16245550	4031.711414			5
5.89	5.91	5.93	9427102	3577.476007			6
Height summation:			**58201250**				
Concentration		CF:	**3363.5325**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**21.05**	
2.92	2.95	2.96	379682.8	269.336335			1
3.12	3.14	3.16	427483.1	238.438237			2
3.25	3.26	3.29	654652.8	369.421191			3
3.40	3.42	3.44	638658.5	336.263579			4
3.44	3.46	3.48	637278.3	357.245439			5
3.57	3.59	3.61	634538.4	431.855811			6
Height summation:			**3372293.9**				
Concentration		CF:	**333.760099**	L:			
Aroclor-1260						**16.22**	
4.35	4.37	4.39	8312534	2661.065589			1
4.49	4.51	4.53	10054460	2805.877363			2
4.60	4.62	4.64	7317464	2525.46382			3
4.72	4.74	4.76	10884720	3113.037914			4
5.14	5.16	5.18	16984320	3762.320727			5
5.40	5.42	5.44	9473666	3543.775621			6
Height summation:			**63027164**				
Concentration		CF:	**3068.590172**	L:			

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:09:37

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Data Summary

Sample Name: 9197305 MSD ACF DF5 T1-OE MSD Sample ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.48 g Total Volume: 50 ml Analyst: 9065 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 17:29:05
Instrument	19843A
Result file	07PCBS17250007.0048.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

Analysis Report (B)

Injected on	Sep 15, 2017 17:29:05
Instrument	19843B
Result file	07PCBS17250007B.0048.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	A	348.076249	243.3206	47.2328		4.20	4	
☐ PCB-1221			<243.3206	<72.9962			3	
☐ PCB-1232			<243.3206	<58.6832			4	
☐ PCB-1242			<243.3206	<58.6832			4	
☐ PCB-1248			<243.3206	<47.2328			4	
☐ PCB-1254			<243.3206	<62.9771			4	
☐ PCB-1260	A	3363.5325	243.3206	55.8206		9.17	4	
☐ PCB-1262			<243.3206	<47.2328			4	
☐ PCB-1268			<243.3206	<47.2328			4	
☐ Total PCBs	A	3711.608749	243.3206	47.2328				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:09:37

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197305** MSD ACF DF5 T1-OE ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.48 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:29:05
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0048.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 72% (61-152) Conc.: 21.12663
%SSR(DCB) : 119% (48-164) Conc.: 30.79133

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	8.60	
3.23	3.25	3.27	482636.3	350.252089			1
3.45	3.47	3.49	508181.4	360.291652			2
+ 3.45	3.48	3.49	281991.4	199.92693			2
3.56	3.58	3.60	511290.7	304.08262			3
+ 3.74	3.75	3.78	344616	209.341703			4
3.74	3.76	3.78	546838.2	332.184345			4
3.78	3.80	3.82	670998.3	347.312384			5
3.91	3.93	3.95	467314.2	394.334406			6
Height Summation:			**3187259.1**				
Amount Avg CF:			**348.076249**	Linear:			
Aroclor-1221					3	26.51	
3.13	3.15	3.17	102727.6	161.014522			1
3.18	3.20	3.22	117218.4	200.858575			2
3.23	3.25	3.27	482636.3	271.524037			3
Height Summation:			**702582.3**				
Amount Avg CF:			**211.132378**	Linear:			
Aroclor-1232					6	32.50	
3.23	3.25	3.27	482636.3	298.548477			1
3.45	3.47	3.49	508181.4	752.799831			2
+ 3.45	3.48	3.49	281991.4	417.730909			2
3.56	3.58	3.60	511290.7	632.099185			3
+ 3.74	3.75	3.78	344616	454.167916			4
3.74	3.76	3.78	546838.2	720.675667			4
3.78	3.80	3.82	670998.3	708.621767			5
E 3.91	3.93	3.95	467314.2	980.364633			6
Height Summation:			**3187259.1**				
Amount Avg CF:			**682.184927**	Linear:			
Aroclor-1242					6	12.02	
3.23	3.25	3.27	482636.3	261.585277			1
3.45	3.47	3.49	508181.4	273.977029			2
+ 3.45	3.48	3.49	281991.4	152.030684			2
3.56	3.58	3.60	511290.7	231.255945			3
+ 3.74	3.75	3.78	344616	141.457968			4
3.74	3.76	3.78	546838.2	224.466132			4
3.78	3.80	3.82	670998.3	251.085909			5
3.91	3.93	3.95	467314.2	309.817773			6
Height Summation:			**3187259.1**				
Amount Avg CF:			**258.698011**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 17:29:05
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0048.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 73% (61-152) Conc.: 21.33101
%SSR(DCB) : 95% (48-164) Conc.: 24.71696

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	21.05	
+ 2.92	2.94	2.96	339872	241.095669			1
2.92	2.95	2.96	379682.8	269.336335			1
3.12	3.14	3.16	427483.1	238.438237			2
+ 3.12	3.15	3.16	151275.2	84.377118			2
3.25	3.26	3.29	654652.8	369.421191			3
+ 3.40	3.41	3.44	360985.5	190.064449			4
3.40	3.42	3.44	638658.5	336.263579			4
+* 3.44	3.44	3.48	35834.66	20.088192			5
+* 3.40	3.44	3.44	35834.66	18.867503			4
3.44	3.46	3.48	637278.3	357.245439			5
3.57	3.59	3.61	634538.4	431.855811			6
+ 3.57	3.61	3.61	150641.7	102.524124			6
Height Summation:			**3372293.9**				
Amount Avg CF:			**333.760099**	Linear:			
Aroclor-1221					3	15.24	
2.80	2.82	2.84	133214.4	173.493363			1
+ 2.86	2.87	2.90	11250.69	23.359429			2
2.86	2.88	2.90	71066.31	147.552588			2
+ 2.92	2.94	2.96	339872	179.520097			3
2.92	2.95	2.96	379682.8	200.548128			3
Height Summation:			**583963.51**				
Amount Avg CF:			**173.864693**	Linear:			
Aroclor-1232					6	42.21	
+ 2.92	2.94	2.96	339872	197.065723			1
2.92	2.95	2.96	379682.8	220.148955			1
3.12	3.14	3.16	427483.1	472.261199			2
+ 3.12	3.15	3.16	151275.2	167.12101			2
3.25	3.26	3.29	654652.8	747.748206			3
+ 3.40	3.41	3.44	360985.5	413.009791			4
3.40	3.42	3.44	638658.5	730.700302			4
+* 3.44	3.44	3.48	35834.66	40.26056			5
+* 3.40	3.44	3.44	35834.66	40.999058			4
3.44	3.46	3.48	637278.3	715.987851			5
E 3.57	3.59	3.61	634538.4	1027.160142			6
+ 3.57	3.61	3.61	150641.7	243.851515			6
Height Summation:			**3372293.9**				
Amount Avg CF:			**652.334442**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197305** MSD ACF DF5 T1-OE ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.48 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:29:05
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0048.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	44.39	
3.78	3.80	3.82	670998.3	704.546374			1
3.84	3.86	3.88	644302.8	635.94996			2
3.91	3.93	3.95	467314.2	277.016901			3
4.03	4.06	4.07	476537.8	250.168639			4
4.12	4.15	4.16	490853	297.629618			5
4.30	4.31	4.34	917163.1	520.645183			6
+ 4.30	4.33	4.34	112422.1	63.818556			6
Height Summation:			3667169.2				
Amount Avg CF:			447.659446	Linear:			
Aroclor-1254					6	136.25	
4.29	4.31	4.32	917163.1	482.85055			1
4.63	4.63	4.67	8773.609	4.355306			2
4.69	4.72	4.73	1698231	398.483625			3
4.91	4.93	4.95	846635.5	324.984105			4
5.11	5.13	5.15	3666846	2459.980356			5
E 5.23	5.25	5.27	10054230	5134.597705			6
Height Summation:			17191879.209				
Amount Avg CF:			1467.541941	Linear:			
Aroclor-1260					6	15.00	
4.82	4.84	4.86	8180837	2681.716912			1
5.02	5.04	5.06	8528713	2848.179888			2
5.23	5.25	5.27	10054230	3538.511511			3
5.45	5.47	5.49	5764818	3503.599267			4
5.69	5.71	5.73	16245550	4031.711414			5
5.89	5.91	5.93	9427102	3577.476007			6
Height Summation:			58201250				
Amount Avg CF:			3363.5325	Linear:			
Aroclor-1262					6	35.62	
E 5.29	5.31	5.33	4737634	1940.734412			1
E 5.45	5.47	5.49	5764818	2656.415597			2
E 5.69	5.71	5.73	16245550	3411.68625			3
E 5.89	5.91	5.93	9427102	2900.607286			4
E 5.95	5.97	5.99	1716325	1049.549739			5
E 6.31	6.33	6.35	3025620	2063.382456			6
Height Summation:			40917049				
Amount Avg CF:			2337.062623	Linear:			
Aroclor-1268					6	96.05	
E 5.89	5.91	5.93	9427102	1616.936732			1
5.95	5.97	5.99	1716325	340.437421			2
6.08	6.10	6.12	218505.3	45.162403			3
+ 6.14	6.15	6.18	200653.9	157.960725			4
E 6.14	6.18	6.18	1451684	1142.808874			4
E 6.31	6.33	6.35	3025620	2029.330008			5
6.51	6.54	6.55	862562.4	87.898095			6
Height Summation:			16701798.7				
Amount Avg CF:			877.095589	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 17:29:05
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0048.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	18.84	
+ 2.92	2.94	2.96	339872	174.343839			1
2.92	2.95	2.96	379682.8	194.76555			1
3.12	3.14	3.16	427483.1	270.025295			2
+ 3.12	3.15	3.16	151275.2	95.55496			2
3.25	3.26	3.29	654652.8	282.625213			3
+ 3.40	3.41	3.44	360985.5	130.896213			4
3.40	3.42	3.44	638658.5	231.58265			4
+* 3.44	3.44	3.48	35834.66	14.51338			5
+* 3.40	3.44	3.44	35834.66	12.993933			4
3.44	3.46	3.48	637278.3	258.103804			5
3.57	3.59	3.61	634538.4	341.639219			6
+ 3.57	3.61	3.61	150641.7	81.10638			6
Height Summation:			3372293.9				
Amount Avg CF:			263.123622	Linear:			
Aroclor-1248					6	50.95	
+ 3.44	3.44	3.48	35834.66	43.860191			1
3.44	3.46	3.48	637278.3	780.003159			1
3.51	3.53	3.55	676837.1	604.307963			2
3.55	3.57	3.59	513605.6	266.298938			3
3.67	3.69	3.71	617298.9	266.2015			4
+ 3.76	3.77	3.80	217039.7	135.356628			5
3.76	3.78	3.80	431883.4	269.343722			5
+ 3.90	3.90	3.94	103468	33.922094			6
3.90	3.92	3.94	1131178	370.857915			6
Height Summation:			4008081.3				
Amount Avg CF:			426.168866	Linear:			
Aroclor-1254					6	121.25	
4.20	4.22	4.24	311652.6	128.839847			1
+ 4.26	4.26	4.30	812772	190.032842			2
+ 4.26	4.28	4.30	599885.8	140.258281			2
4.26	4.30	4.30	2424883	566.957779			2
4.35	4.37	4.39	8312534	4137.666913			3
4.42	4.44	4.46	347599.9	131.578605			4
4.64	4.67	4.68	1014365	545.392354			5
4.72	4.74	4.76	10884720	3693.707613			6
Height Summation:			23295754.5				
Amount Avg CF:			1534.023852	Linear:			
Aroclor-1260					6	16.22	
4.35	4.37	4.39	8312534	2661.065589			1
4.49	4.51	4.53	10054460	2805.877363			2
4.60	4.62	4.64	7317464	2525.46382			3
4.72	4.74	4.76	10884720	3113.037914			4
5.14	5.16	5.18	16984320	3762.320727			5
5.40	5.42	5.44	9473666	3543.775621			6
Height Summation:			63027164				
Amount Avg CF:			3068.590172	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9197305** MSD ACF DF5 T1-OE ID: AC **Batchnumber: 172510041A**
Sample Amount: 10.48 g Total Volume: 50 ml Analyst: 0492 SDG: ATG54 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 17:29:05
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0048.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2017 17:29:05
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0048.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**29.70**	
E 4.76	4.78	4.80	5494031	1606.995172			1
E 4.95	4.97	4.99	6875107	2160.984978			2
E 5.14	5.16	5.18	16984320	2893.298206			3
E 5.36	5.38	5.40	2597420	1223.388844			4
E 5.40	5.42	5.44	9473666	2645.278651			5
E 5.78	5.80	5.82	3166114	2065.622965			6

Height Summation: **44590658**
Amount Avg CF: **2099.261469** Linear:

Aroclor-1268					**6**	**121.28**	
5.36	5.38	5.40	2597420	426.998982			1
E 5.40	5.42	5.44	9473666	1624.331298			2
5.56	5.57	5.60	258321	52.976833			3
5.62	5.64	5.66	99327.29	83.679323			4
E 5.78	5.80	5.82	3166114	1894.044677			5
5.98	6.00	6.02	914854.1	79.524904			6

Height Summation: **16509702.39**
Amount Avg CF: **693.59267** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			243.3206	47.2328		4.20	4	40	
Aroclor-1221			243.3206	72.9962		19.36	3	40	
Aroclor-1232			243.3206	58.6832	E	4.47	4	40	
Aroclor-1242			243.3206	58.6832		1.70	4	40	
Aroclor-1248			243.3206	47.2328		4.92	4	40	
Aroclor-1254			243.3206	62.9771	E	4.43	4	40	
Aroclor-1260			243.3206	55.8206		9.17	4	40	
Aroclor-1262			243.3206	47.2328	E	10.72	4	40	
Aroclor-1268			243.3206	47.2328	E	23.37	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9197305MSD ACF DF5 ACT1-OE MSD 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:29:05 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0048.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.641		51759	48850
1.724		4157	7203
1.747		36433	29567
2.046		16873	15267
2.069		18073	16768
2.111		32188	38286
2.154		9717	14382
2.218		5134	3579
2.27		186788	128059
2.391		20603	23972
2.437		8629	6097
2.499		3461	1900
2.55		8264	6719
2.577		6381	4602
2.606		3474	2521
2.636		9129	6622
2.669		5292	4838
2.703		89404	50409
2.721		154118	90616
2.759		12755	11420
2.804		7277	5829
2.83		3383	3415
2.875		46594	30704
2.953		3991	3837
3	TCX	1676064	1134330
3.048		3933	3060
3.083		6537	3875
3.107		21506	13575
3.148		102728	86798
3.182		2967	2034
3.205		117218	80873
3.252		482636	325169
3.321		551379	435770
3.345		67964	43497
3.388		21109	45457
3.427		22864	18200
3.468		508181	309311
3.484		281991	144334
3.505		8949	3755
3.521		48441	26420
3.538		14525	5990
3.549		29220	13934
3.583		511291	371143
3.607		4376	2349
3.632		12592	13818
3.659		72280	55665
3.692		142418	80086
3.707		71885	34558
3.75		344616	182860
3.762		546838	286094
3.801		670998	535776
3.861		644303	498954
3.903		65108	46466

RT A	Compound A	Height A	Area A
3.93		467314	339837
3.958		115665	70164
4		12162	12344
4.032		4279	2024
4.055		476538	338894
4.081		177085	116122
4.113		199937	142688
4.146		490853	543311
4.187		159920	119487
4.219		5955	3353
4.234		21129	12415
4.25		4001	1790
4.273		90698	60960
4.309		917163	687105
4.327		112422	60148
4.352		183062	154542
4.422		265243	272449
4.465		1107733	973582
4.499		178470	141618
4.541		11654	8105
4.562		66503	48406
4.602		579912	571039
4.635		8774	3634
4.673		1157596	1358574
4.717		1698231	1480356
4.767		3249127	3481338
4.804		727947	503731
4.844		8180837	7102919
4.887		159257	151679
4.93		846636	905506
4.965		95252	67211
4.991		1536845	1341104
5.043		8528713	10255100
5.095		1559073	1405841
5.134		3666846	3707870
5.176		77919	44078
5.213		763624	917542
5.247		10054230	8436063
5.27		358848	168612
5.289		192810	91066
5.313		4737634	4095231
5.355		3076219	2895285
5.45		1182976	911258
5.474		5764818	4723613
5.53		3121828	2690974
5.568		1858249	1778219
5.609		285630	301427
5.652		1550632	1475167
5.682		29765	16130
5.708		16245550	15118030
5.795		41165	48509
5.826		20110	14053
5.854		17418	14024
5.911		9427102	8518079
5.943		507932	343126
5.966		1716325	1841867
6.076		67658	49692
6.101		218505	192594
6.153		200654	163940
6.181		1451684	1303470
6.244		14607	14609
6.306		5526	3249
6.335		3025620	2923935
6.379		208191	203125
6.452		3377	1964
6.501		2592	2017

RT A	Compound A	Height A	Area A
6.536		862562	853206
6.635		1234	331
6.651		6062	4530
6.684	DCB	871135	854499
6.747		8503	7159
6.802		2929	1364
6.851		1888	2891
6.944		3884	10174
7.007		1122	368
7.108		2187	1378
7.149		2357	2453
7.204		1556	973
7.355		1748	752
7.421		1668	1340
7.513		1335	637
7.538		1368	347
7.597		1937	809
7.696		1291	433
7.767		1474	673
7.843		1338	366
7.854		2547	1132
7.879		1321	409
7.927		1848	673
7.969		2568	1773
7.999		2431	1332
8.096		73158	127651
8.302		2116	1475
8.371		1284	297
8.431		1182	642
8.457		1498	265
8.538		1169	628
8.563		1388	931
8.676		1400	375

LANCASTER LABORATORIES

Sample Number: 9197305MSD ACF DF5 ACT1-OE MSD 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:29:05 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0048.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.526		36831	43532
1.589		5182	5776
1.615		5779	5573
1.655		4711	3303
1.796		5577	12373
1.833		26228	23123
1.863		8709	7740
1.899		9122	21371
1.958		18872	24178
1.993		188851	137743
2.026		14872	23617
2.07		13092	14415
2.148		3222	6746
2.168		7410	3862
2.193		3714	2110
2.244		1994	1565
2.268		14060	12840
2.347		72276	81411
2.401		169780	128516
2.462		9381	7763
2.496		3474	5300
2.53		40447	24291
2.554		7635	8068
2.604		6218	8503
2.652	TCX	1737523	1081268
2.695		55216	51470
2.741		19307	25772
2.791		3282	6132
2.823		133214	89664
2.849		3604	1886
2.87		11251	5224
2.884		71066	41392
2.914		4517	2633
2.936		339872	164359
2.949		379683	191171
2.988		17471	23712
3.027		3899	3425
3.047		71648	42471
3.073		12815	8781
3.117		1925	1778
3.143		427483	213181
3.154		151275	56170
3.194		76141	47837
3.216		45889	26798
3.241		62699	32124
3.265		654653	452350
3.303		68033	53315
3.348		174941	90692
3.363		102356	48960
3.391		5861	3213
3.413		360986	169615
3.423		638659	269357
3.443		35835	12795
3.457		637278	445061

3.531	676837	435846
3.566	513606	311770
3.59	634538	361261
3.607	150642	69806
3.624	26979	14886
3.664	5216	2462
3.693	617299	397670
3.715	236725	129722
3.737	231786	140168
3.767	217040	114151
3.784	431883	261748
3.826	186539	142485
3.873	101082	110291
3.897	103468	66256
3.918	1131178	729908
3.943	137326	79500
3.963	73026	38062
3.982	237369	153156
4.018	1124588	776927
4.051	161881	99359
4.068	126739	68306
4.132	41994	38430
4.154	390199	400987
4.193	43969	41276
4.22	311653	215238
4.264	812772	505927
4.282	599886	277751
4.295	2424883	1426418
4.322	1292876	1268857
4.374	8312534	6013832
4.42	179924	196580
4.444	347600	215163
4.469	2040298	1506274
4.512	10054460	7467338
4.615	7317464	7129377
4.668	1014365	846794
4.707	2388431	2028087
4.743	10884720	8824265
4.776	5494031	3858255
4.815	3876962	3056252
4.872	12055	6329
4.886	20872	10684
4.915	973659	689077
4.932	147998	78152
4.966	6875107	5261924
4.99	932822	600657
5.041	3668253	3212112
5.076	1910499	1473975
5.105	1337729	1052463
5.137	266754	148017
5.16	16984320	13819780
5.201	316970	234479
5.233	461418	376854
5.278	13842	10223
5.298	14710	8312
5.351	130586	82745
5.375	2597420	2049408
5.419	9473666	9830889
5.575	258321	221095
5.62	246741	200130
5.643	99327	64780
5.666	28459	15874
5.693	1452623	1223216
5.734	11006	10426
5.771	6395	3325
5.8	3166114	2632115
5.831	173606	130329

5.889		5128	13108
5.999		914854	812971
6.159	DCB	825303	731463
6.248		3018	4967
6.331		6687	5694
6.362		238418	216108
6.489		1390	1926
6.581		7585	13527
6.642		5714	16965
6.769		4245	6862
6.84		2583	3326
7.076		3108	3797
7.186		1367	1567
7.339		1727	2942
7.533		11989	17142
7.626		131220	196616
7.945		2494	4773
8.299		8753	16156
8.67		4859	9153

9197305MSD ACF DF5 ACT1-OE MSD 172510041A 10225 SW-846 8

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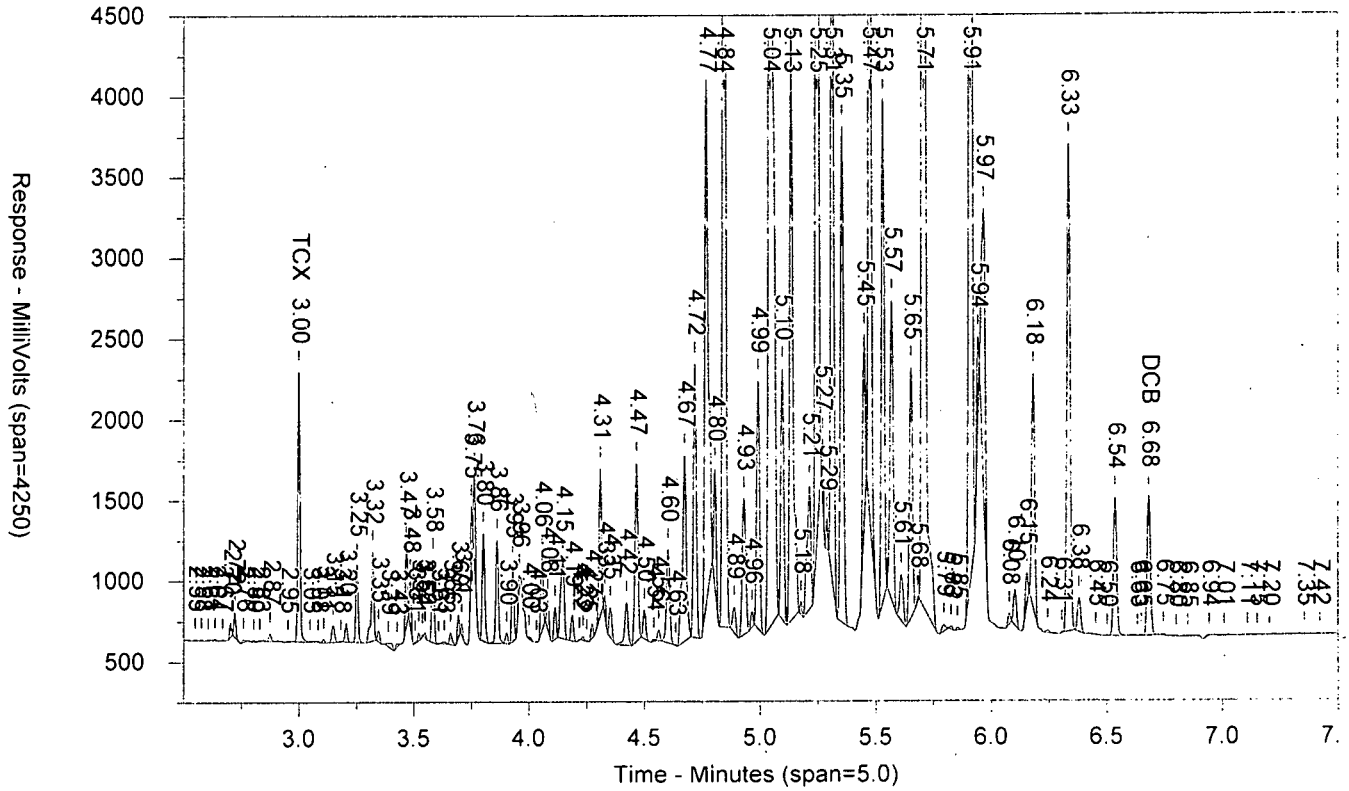

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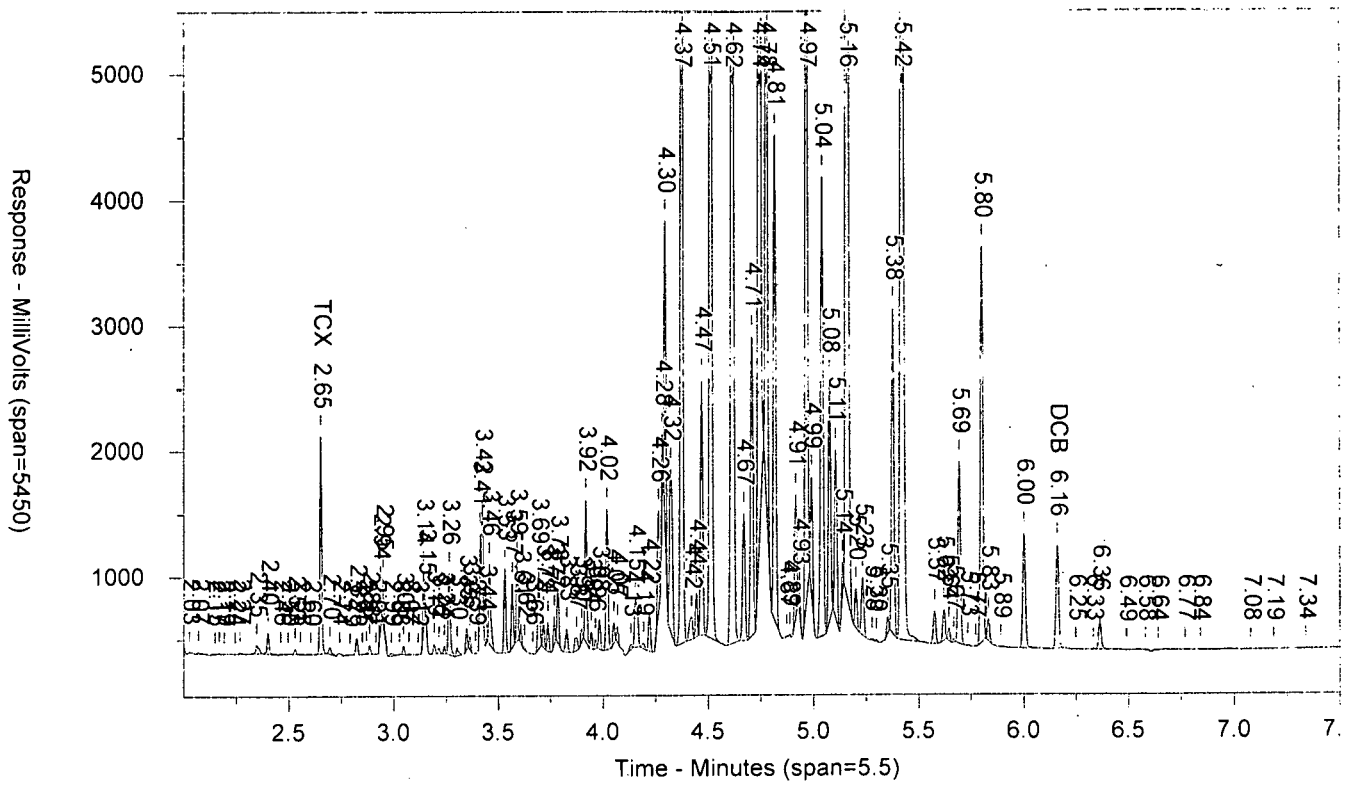


LANCASTER LABORATORIES

Sample Number: 9197305MSD ACF DF5 ACT1-OE MSD 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 5:29:05 PM Sample Weight: 10.48
Instrument ID: CP7-19843A Dilution Factor: 50
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

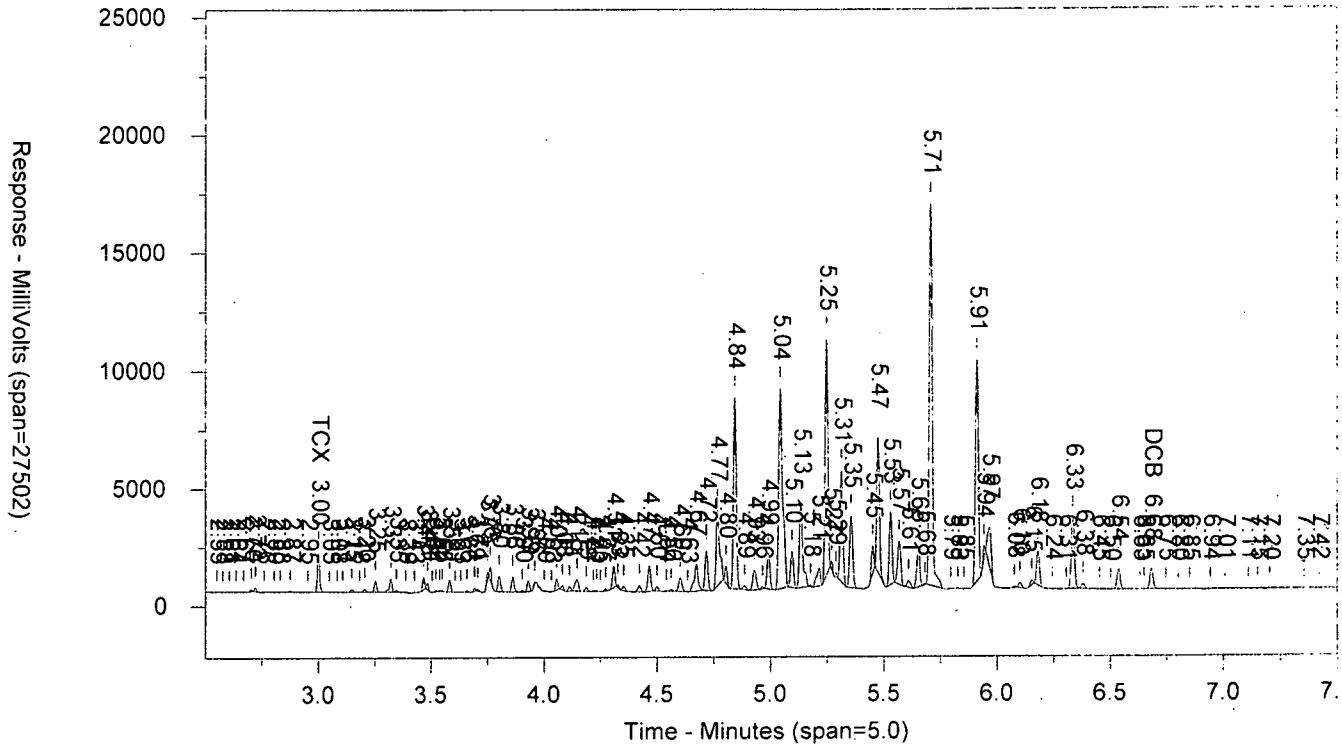
Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3	1676064	21.127	TCX	2.652	1737523	21.331	TCX
6.684	871135	30.791	DCB	6.159	825303	24.717	DCB

Files:
Area File: 07pcbs17250007.0048.RAW
Area File: 07pcbs17250007B.0048.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 5:37:49 PM
File Reported On: 9/15/2017 at 5:38:01 PM

9197305MSD ACF DF5 ACT1-OE MSD 172510041A 10225 SW-846 8

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17250007.0048.RAW



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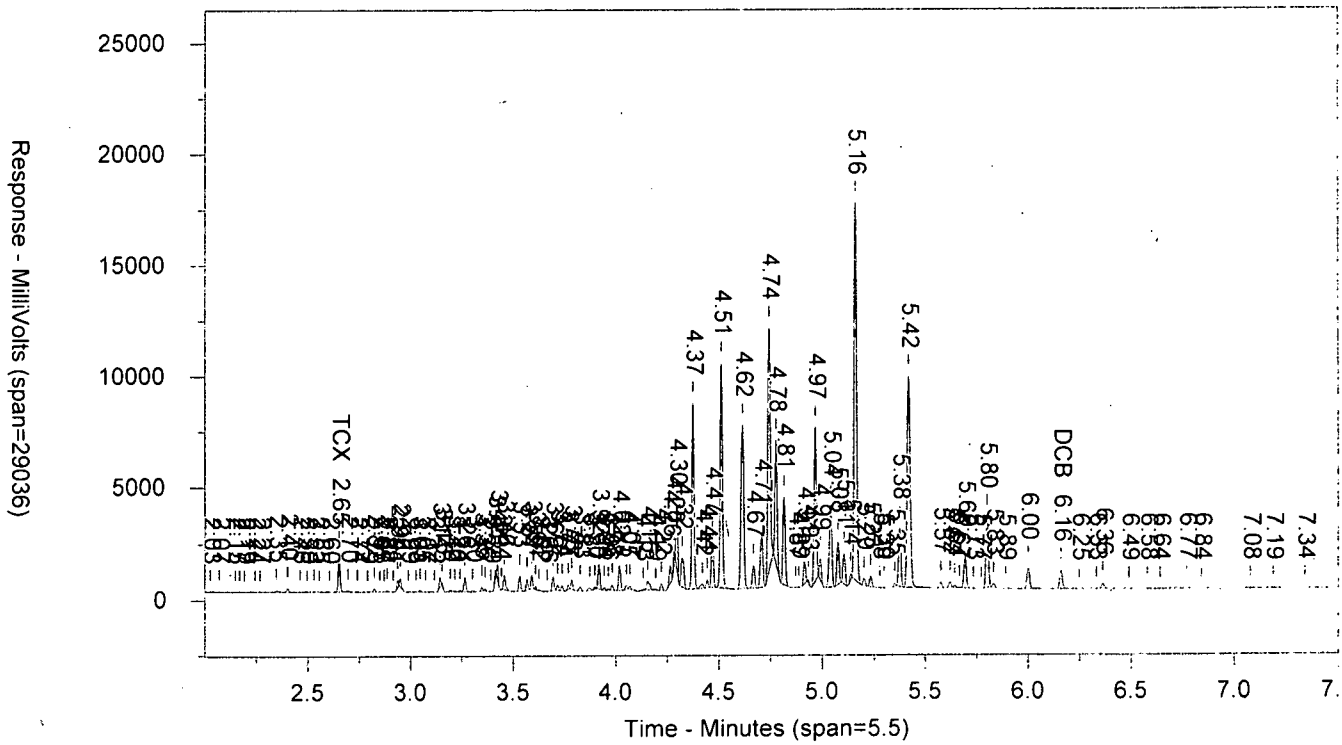

9197305MSD ACF DF5 ACT1-OE MSD 172510041A 10225 SW-846 8

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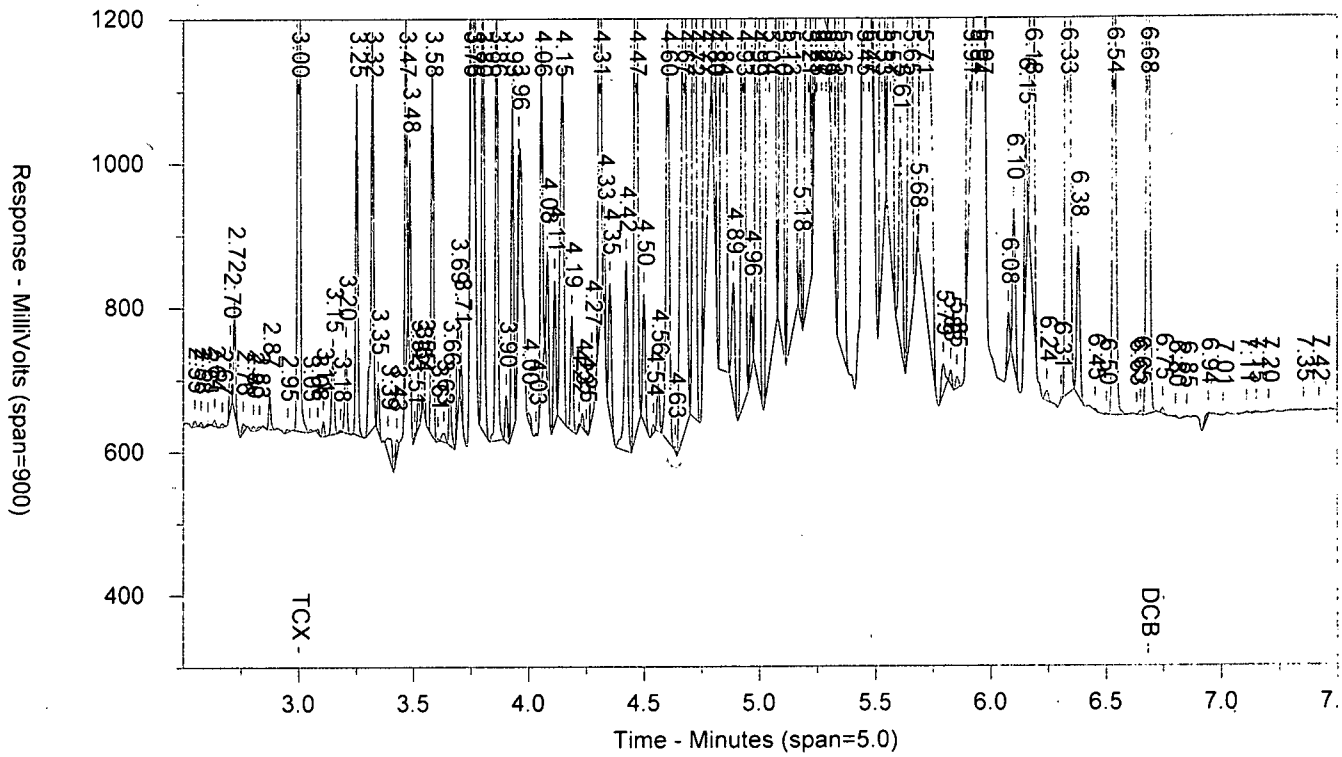

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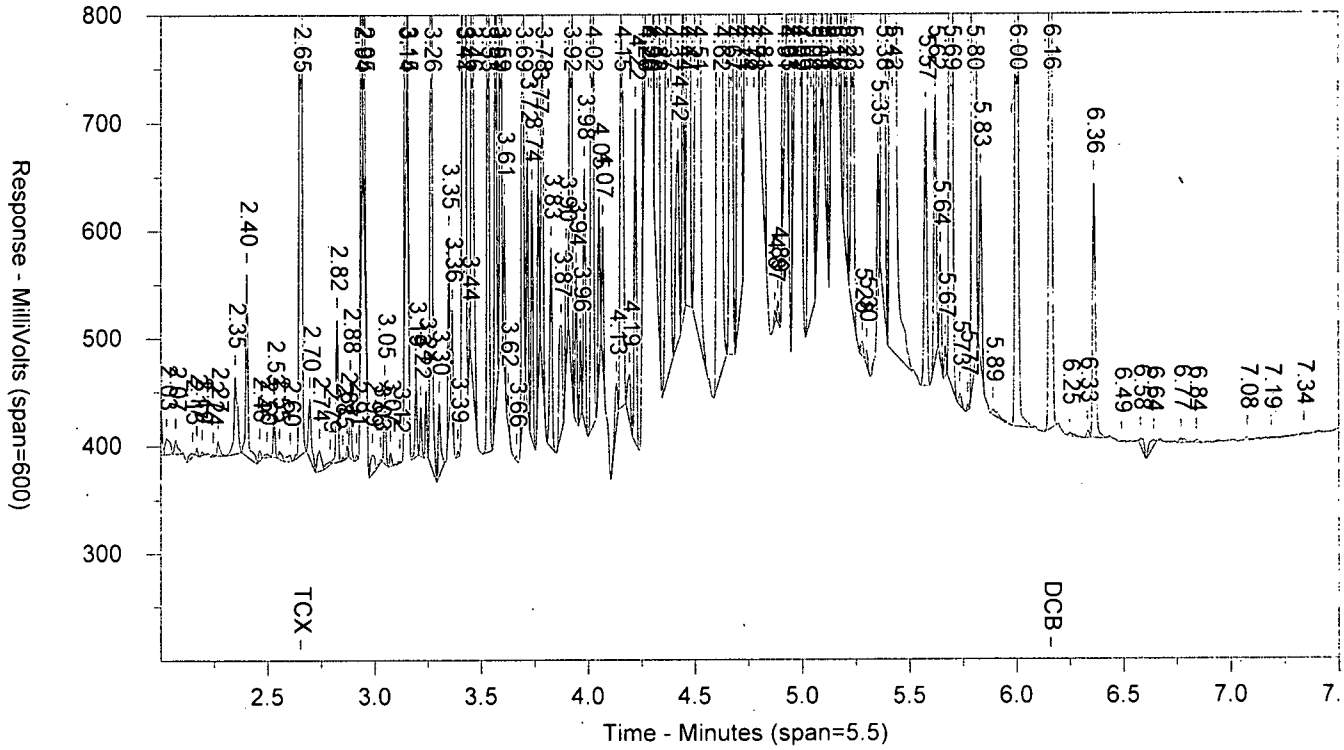

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Data Summary

Sample Name: LCSA 9/10/17 ACF LCS41251 LCS Sample ID: AB **Batchnumber: 172510041A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 16:54:37
Instrument	19843A
Result file	07PCBS17250007.0045.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

%SSR(TCX) 101% (61 - 152) Conc: 30.72184
%SSR(DCB) 109% (48 - 164) Conc: 29.56254

Analysis Report (B)

Injected on	Sep 15, 2017 16:54:37
Instrument	19843B
Result file	07PCBS17250007B.0045.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

%SSR(TCX) 108% (61 - 152) Conc: 32.85703
%SSR(DCB) 116% (48 - 164) Conc: 31.58503

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.97	3.00	3.03	11628310	30.72184
Decachlorobiphenyl	6.65	6.68	6.71	3990319	29.56254

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.62	2.65	2.68	12768980	32.85703
Decachlorobiphenyl	6.13	6.16	6.19	5031627	31.58503

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	32.85703				6.72	
☐ Tetrachloro-m-xylene-D1	A	30.72184					
☐ Tetrachloro-m-xylene-D2	B	32.85703					
☐ Decachlorobiphenyl	B	31.58503				6.62	
☐ Decachlorobiphenyl-D1	A	29.56254					
☐ Decachlorobiphenyl-D2	B	31.58503					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.09**	
3.23	3.25	3.27	2947638	448.359294			1
3.45	3.47	3.49	3146806	467.623881			2
3.56	3.58	3.60	3750944	467.57961			3
3.74	3.76	3.78	3821184	486.529911			4
3.78	3.80	3.82	4431654	480.790605			5
3.91	3.93	3.95	2745185	485.532817			6
Height summation:			**20843411**				
Concentration		CF:	**472.73602**	L:			
Aroclor-1260						**3.58**	
4.82	4.84	4.86	7356466	505.447091			1
5.02	5.04	5.06	7269111	508.811003			2
5.23	5.25	5.27	7294605	538.102308			3
5.45	5.47	5.49	3829439	487.815123			4
5.69	5.71	5.73	10023190	521.37747			5
5.89	5.91	5.93	6221390	494.854164			6
Height summation:			**41994201**				
Concentration		CF:	**509.401193**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**15.67**	
2.92	2.94	2.96	3194218	474.930272			1
3.12	3.14	3.16	2690637	314.559888			2
3.25	3.26	3.29	3917122	463.307308			3
3.40	3.42	3.44	4561290	503.373209			4
3.44	3.46	3.48	4223278	496.224852			5
3.57	3.59	3.61	3464156	494.162264			6
Height summation:			**22050701**				
Concentration		CF:	**457.759632**	L:			
Aroclor-1260						**1.47**	
4.35	4.37	4.39	7416874	497.66182			1
4.49	4.51	4.53	8613368	503.818622			2
4.60	4.61	4.64	7050691	510.039154			3
4.72	4.74	4.76	8533948	511.573947			4
5.14	5.16	5.18	11184000	519.273414			5
5.40	5.42	5.44	6440065	504.928257			6
Height summation:			**49238946**				
Concentration		CF:	**507.882536**	L:			

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:09:30

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Data Summary

Sample Name: LCSA 9/10/17 ACF LCS41251 LCS Sample ID: AB **Batchnumber: 172510041A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 15, 2017 16:54:37
Instrument	19843A
Result file	07PCBS17250007.0045.RAW
Calibration file	07PCBS1725001
Method file	07PCBS

Analysis Report (B)

Injected on	Sep 15, 2017 16:54:37
Instrument	19843B
Result file	07PCBS17250007B.0045.RAW
Calibration file	07PCBS1725001B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	472.73602	51	9.9		3.22	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	509.401193	51	11.7		0.30	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	982.137213	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 18 2017

Reviewed and digitally signed by Kirby B Turner on 9/18/2017 14:09:30

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/10/17 ACF LCS41251 ID: AB **Batchnumber: 172510041A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 16:54:37
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0045.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.72184
%SSR(DCB) : 109% (48-164) Conc.: 29.56254

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.09	
3.23	3.25	3.27	2947638	448.359294			1
3.45	3.47	3.49	3146806	467.623881			2
+ 3.45	3.48	3.49	1632268	242.559439			2
3.56	3.58	3.60	3750944	467.57961			3
+ 3.74	3.75	3.78	2215773	282.121939			4
3.74	3.76	3.78	3821184	486.529911			4
3.78	3.80	3.82	4431654	480.790605			5
3.91	3.93	3.95	2745185	485.532817			6
Height Summation:			20843411				
Amount Avg CF:			472.73602	Linear:			
Aroclor-1221					3	32.42	
3.13	3.15	3.17	557037.1	183.000934			1
E 3.18	3.20	3.22	672130.4	241.401189			2
E 3.23	3.25	3.27	2947638	347.579156			3
Height Summation:			4176805.5				
Amount Avg CF:			257.327093	Linear:			
Aroclor-1232					6	30.41	
E 3.23	3.25	3.27	2947638	382.173265			1
E 3.45	3.47	3.49	3146806	977.061713			2
E+ 3.45	3.48	3.49	1632268	506.808036			2
E 3.56	3.58	3.60	3750944	971.961798			3
E+ 3.74	3.75	3.78	2215773	612.065017			4
E 3.74	3.76	3.78	3821184	1055.529177			4
E 3.78	3.80	3.82	4431654	980.957501			5
E 3.91	3.93	3.95	2745185	1207.095284			6
Height Summation:			20843411				
Amount Avg CF:			929.12979	Linear:			
Aroclor-1242					6	5.32	
E 3.23	3.25	3.27	2947638	334.856504			1
E 3.45	3.47	3.49	3146806	355.595809			2
+ 3.45	3.48	3.49	1632268	184.449776			2
E 3.56	3.58	3.60	3750944	355.596004			3
+ 3.74	3.75	3.78	2215773	190.637583			4
E 3.74	3.76	3.78	3821184	328.761692			4
E 3.78	3.80	3.82	4431654	347.582614			5
E 3.91	3.93	3.95	2745185	381.469873			6
Height Summation:			20843411				
Amount Avg CF:			350.64375	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 16:54:37
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0045.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 108% (61-152) Conc.: 32.85703
%SSR(DCB) : 116% (48-164) Conc.: 31.58503

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	15.67	
2.92	2.94	2.96	3194218	474.930272			1
3.12	3.14	3.16	2690637	314.559888			2
+ 3.12	3.15	3.16	957134.2	111.897676			2
3.25	3.26	3.29	3917122	463.307308			3
+ 3.40	3.41	3.44	2441372	269.424057			4
3.40	3.42	3.44	4561290	503.373209			4
+* 3.44	3.44	3.48	171842.7	20.191098			5
+* 3.40	3.44	3.44	171842.7	18.964155			4
3.44	3.46	3.48	4223278	496.224852			5
3.57	3.59	3.61	3464156	494.162264			6
+ 3.57	3.61	3.61	1043220	148.815457			6
Height Summation:			22050701				
Amount Avg CF:			457.759632	Linear:			
Aroclor-1221					3	31.99	
2.80	2.82	2.84	692417.5	189.012708			1
+ 2.86	2.87	2.90	36270.48	15.784384			2
E 2.86	2.88	2.90	559873.2	243.648658			2
E 2.92	2.94	2.96	3194218	353.633597			3
Height Summation:			4446508.7				
Amount Avg CF:			262.098321	Linear:			
Aroclor-1232					6	34.78	
E 2.92	2.94	2.96	3194218	388.196429			1
E 3.12	3.14	3.16	2690637	623.031067			2
E+ 3.12	3.15	3.16	957134.2	221.629429			2
E 3.25	3.26	3.29	3917122	937.783801			3
E+ 3.40	3.41	3.44	2441372	585.458112			4
E 3.40	3.42	3.44	4561290	1093.829302			4
+* 3.40	3.44	3.44	171842.7	41.209084			4
+* 3.44	3.44	3.48	171842.7	40.466802			5
E 3.44	3.46	3.48	4223278	994.529045			5
E 3.57	3.59	3.61	3464156	1175.354756			6
E+ 3.57	3.61	3.61	1043220	353.954495			6
Height Summation:			22050701				
Amount Avg CF:			868.7874	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/10/17 ACF LCS41251 ID: AB **Batchnumber: 172510041A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 16:54:37
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0045.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	53.50	
E 3.78	3.80	3.82	4431654	975.315864			1
3.84	3.86	3.88	3967832	820.875851			2
3.91	3.93	3.95	2745185	341.083087			3
4.03	4.05	4.07	3012142	331.437947			4
4.12	4.15	4.16	3113087	395.646413			5
4.30	4.31	4.34	2909564	346.189964			6
+ 4.30	4.33	4.34	707821.9	84.219092			6
Height Summation:			**20179464**				
Amount Avg CF:			**535.091521**	Linear:			
Aroclor-1254					6	90.22	
4.29	4.31	4.32	2909564	321.05937			1
+ 4.63	4.65	4.67	438358.3	45.610084			2
4.63	4.67	4.67	797142	82.94063			2
4.69	4.72	4.73	2136662	105.085022			3
4.91	4.93	4.95	1156337	93.033925			4
5.11	5.13	5.15	3333001	468.66842			5
5.23	5.25	5.27	7294605	780.819525			6
Height Summation:			**17627311**				
Amount Avg CF:			**308.601149**	Linear:			
Aroclor-1260					6	3.58	
4.82	4.84	4.86	7356466	505.447091			1
5.02	5.04	5.06	7269111	508.811003			2
5.23	5.25	5.27	7294605	538.102308			3
5.45	5.47	5.49	3829439	487.815123			4
5.69	5.71	5.73	10023190	521.37747			5
5.89	5.91	5.93	6221390	494.854164			6
Height Summation:			**41994201**				
Amount Avg CF:			**509.401193**	Linear:			
Aroclor-1262					6	30.73	
E 5.29	5.31	5.33	3387802	290.880024			1
E 5.45	5.47	5.49	3829439	369.859565			2
E 5.69	5.71	5.73	10023190	441.196346			3
E 5.89	5.91	5.93	6221390	401.226337			4
5.95	5.96	5.99	1263391	161.931953			5
E 6.31	6.33	6.35	2037498	291.241877			6
Height Summation:			**26762710**				
Amount Avg CF:			**326.056017**	Linear:			
Aroclor-1268					6	92.07	
E 5.89	5.91	5.93	6221390	223.662681			1
5.95	5.96	5.99	1263391	52.525092			2
6.08	6.10	6.12	260147.4	11.27005			3
6.14	6.18	6.18	1159735	191.360174			4
E 6.31	6.33	6.35	2037498	286.435449			5
6.51	6.53	6.55	550839.7	11.765366			6
Height Summation:			**11493001.1**				
Amount Avg CF:			**129.503135**	Linear:			

Analysis Report (B)

Injected on : Sep 15, 2017 16:54:37
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0045.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	4.74	
E 2.92	2.94	2.96	3194218	343.436974			1
E 3.12	3.14	3.16	2690637	356.231146			2
+ 3.12	3.15	3.16	957134.2	126.721298			2
E 3.25	3.26	3.29	3917122	354.452667			3
+ 3.40	3.41	3.44	2441372	185.550685			4
E 3.40	3.42	3.44	4561290	346.670021			4
+* 3.44	3.44	3.48	171842.7	14.587727			5
+* 3.40	3.44	3.44	171842.7	13.060497			4
E 3.44	3.46	3.48	4223278	358.514085			5
E 3.57	3.59	3.61	3464156	390.929578			6
+ 3.57	3.61	3.61	1043220	117.727249			6
Height Summation:			**22050701**				
Amount Avg CF:			**358.372412**	Linear:			
Aroclor-1248					6	59.65	
+ 3.44	3.44	3.48	171842.7	44.084873			1
E 3.44	3.46	3.48	4223278	1083.448268			1
3.51	3.53	3.55	4506117	843.272433			2
3.55	3.56	3.59	3122858	339.37762			3
3.67	3.69	3.71	3865728	349.4118			4
+ 3.76	3.77	3.80	910933.2	119.074332			5
3.76	3.78	3.80	3070506	401.366918			5
3.90	3.92	3.94	4296115	295.218642			6
Height Summation:			**23084602**				
Amount Avg CF:			**552.015947**	Linear:			
Aroclor-1254					6	110.04	
4.20	4.22	4.24	875843.4	75.892207			1
+ 4.26	4.26	4.30	909701.6	44.581037			2
+ 4.26	4.28	4.30	870201	42.645262			2
4.26	4.29	4.30	2412295	118.21746			2
4.35	4.37	4.39	7416874	773.809881			3
4.42	4.44	4.46	698515.1	55.42079			4
4.64	4.67	4.68	864323.4	97.405244			5
4.72	4.74	4.76	8533948	606.99697			6
Height Summation:			**20801798.9**				
Amount Avg CF:			**287.957092**	Linear:			
Aroclor-1260					6	1.47	
4.35	4.37	4.39	7416874	497.66182			1
4.49	4.51	4.53	8613368	503.818622			2
4.60	4.61	4.64	7050691	510.039154			3
4.72	4.74	4.76	8533948	511.573947			4
5.14	5.16	5.18	11184000	519.273414			5
5.40	5.42	5.44	6440065	504.928257			6
Height Summation:			**49238946**				
Amount Avg CF:			**507.882536**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/10/17 ACF LCS41251 ID: AB **Batchnumber: 172510041A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 0492 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2017 16:54:37
Instrument : CP 7--19843A
Result file : 07PCBS17250007.0045.RAW
Calibration file : 07PCBS1725001.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2017 16:54:37
Instrument : CP 7--19843B
Result file : 07PCBS17250007B.0045.RAW
Calibration file : 07PCBS1725001B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**24.96**	
E 4.76	4.78	4.80	3964434	243.050174			1
E 4.95	4.97	4.99	5031941	331.511886			2
E 5.14	5.16	5.18	11184000	399.331409			3
E 5.36	5.37	5.40	2046885	202.072427			4
E 5.40	5.42	5.44	6440065	376.907593			5
E 5.78	5.80	5.82	2121735	290.139544			6
Height Summation:			**30789060**				
Amount Avg CF:			**307.168839**	Linear:			
Aroclor-1268					**6**	**111.39**	
5.36	5.37	5.40	2046885	70.529269			1
E 5.40	5.42	5.44	6440065	231.439814			2
5.56	5.57	5.60	215806.6	9.27646			3
5.62	5.64	5.66	183856.3	32.465296			4
E 5.78	5.80	5.82	2121735	266.03948			5
5.98	6.00	6.02	597597	10.888072			6
Height Summation:			**11605944.9**				
Amount Avg CF:			**103.439732**	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		3.22	4	40	
Aroclor-1221			51	15.3	E	1.84	3	40	
Aroclor-1232			51	12.3	E	6.71	4	40	
Aroclor-1242			51	12.3	E	2.18	4	40	
Aroclor-1248			51	9.9	E	3.11	4	40	
Aroclor-1254			51	13.2		6.92	4	40	
Aroclor-1260			51	11.7		0.30	4	40	
Aroclor-1262			51	9.9	E	5.97	4	40	
Aroclor-1268			51	9.9	E	22.38	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/17 ACF ABLCS41251 LCS 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 4:54:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007.0045.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1725001.CAL

RT A	Compound A	Height A	Area A
1.535		7574	7896
1.59		16354	25763
1.638		23936	27932
1.669		26021	51605
1.701		14456	13705
1.721		8469	6422
1.799		18670	20169
1.822		12497	9147
2.065		7856	7217
2.109		12690	20961
2.148		18330	31733
2.202		14882	11822
2.269		7781	4489
2.295		36187	27270
2.39		31919	22209
2.403		17291	10080
2.435		8621	9649
2.551		8185	7432
2.635		41100	28034
2.728		5605	4485
2.755		5755	4587
2.846		3124	2208
2.879		3340	2779
2.908		8740	5447
2.957		3667	3621
2.999	TCX	11628310	7561060
3.103		15680	12678
3.147		557037	480096
3.203		672130	484095
3.25		2947638	1953481
3.328		8664	4499
3.344		385586	249436
3.384		11546	7708
3.428		14056	15858
3.466		3146806	1835782
3.483		1632268	849457
3.52		371963	209929
3.535		85077	32244
3.547		208566	98196
3.581		3750945	2604410
3.618		21737	10206
3.632		23129	10971
3.656		189616	133649
3.69		822680	476740
3.705		457180	230967
3.749		2215773	1208512
3.761		3821185	1996322
3.8		4431654	3326890
3.86		3967832	2896004
3.901		316914	225945
3.929		2745185	1934488
3.956		1963318	1583488
3.978		517870	264634

RT A	Compound A	Height A	Area A
4.028		2702	960
4.055		3012142	2087892
4.079		1035495	703760
4.111		1186717	834878
4.145		3113087	2969144
4.186		934876	749342
4.233		153377	131421
4.272		213956	160838
4.307		2909564	2149517
4.326		707822	393612
4.35		817559	638623
4.42		498991	439467
4.463		3229585	3046129
4.498		128077	92126
4.539		3265	1358
4.561		55568	44114
4.602		533399	519814
4.655		438358	285348
4.672		797142	537816
4.717		2136663	1845955
4.766		3152326	3364618
4.803		744319	542021
4.842		7356466	6373564
4.886		105269	92122
4.93		1156337	1175968
4.963		92984	64739
4.99		1094099	978180
5.042		7269111	8694771
5.093		1311817	1182950
5.133		3333001	3321421
5.174		43453	22821
5.212		580445	684157
5.246		7294605	6323831
5.269		297648	154874
5.288		113561	50345
5.312		3387802	3006634
5.354		2096055	1976849
5.448		931290	717783
5.473		3829439	3309507
5.529		2074406	1892849
5.568		1292950	1255376
5.609		252094	254436
5.65		1400388	1460832
5.707		10023190	8738443
5.73		93138	112931
5.797		10080	12036
5.852		4672	4980
5.91		6221391	5632988
5.941		353344	238520
5.965		1263391	1430479
6.1		260147	246370
6.179		1159735	1559176
6.26		1945	1461
6.334		2037498	1998331
6.378		158093	147260
6.479		1555	515
6.534		550840	545270
6.641		2293	1206
6.681	DCB	3990319	4068314
6.814		1475	867
6.948		1210	282
7.098		1328	477
7.12		1935	1503
7.238		1692	1392
7.263		1439	902
7.287		1198	316

RT A	Compound A	Height A	Area A
7.74		1496	821
7.858		1442	361
7.953		1495	898
8.041		1696	1284
8.121		1878	496
8.133		1223	324
8.198		1139	274
8.281		1381	512
8.299		1406	671
8.351		1569	945
8.477		1372	465

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/17 ACF ABLCS41251 LCS 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 4:54:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 492
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17250007B.0045.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1725001B.CAL

RT B	Compound B	Height B	Area A
1.51		7226	4525
1.528		11720	10204
1.552		10126	8387
1.563		11765	11988
1.59		10917	10406
1.655		5278	7388
1.728		3749	3255
1.799		6667	17043
1.847		2376	1173
1.865		4929	3718
1.91		20149	21452
1.964		48889	58876
2.027		18109	24652
2.069		6205	4063
2.092		16672	12096
2.15		3312	1952
2.17		6308	6761
2.219		5463	5033
2.268		13864	12157
2.337		42172	28226
2.364		9231	5779
2.399		4573	4682
2.459		7030	6292
2.553		7105	6463
2.608		11592	10325
2.652	TCX	12768980	7737060
2.695		278546	222856
2.732		10085	14350
2.768		5290	4084
2.822		692418	475926
2.87		36270	14870
2.884		559873	326941
2.935		3194218	1995165
2.986		36592	34084
3.047		429921	276334
3.076		5416	3887
3.143		2690637	1335815
3.154		957134	338768
3.194		484480	300582
3.215		251904	142864
3.241		322509	180089
3.264		3917122	2609662
3.301		181522	113629
3.347		1049334	552560
3.362		585878	278142
3.389		9256	4204
3.413		2441372	1095793
3.422		4561290	1924370
3.443		171843	60848
3.456		4223278	2776248
3.53		4506117	2759368
3.565		3122859	1886246
3.588		3464156	1873893
3.606		1043220	519656

3.692		3865728	2464593
3.714		1445923	767279
3.736		1298187	755290
3.765		910933	483122
3.783		3070506	1847952
3.825		1073942	769639
3.873		187533	171306
3.895		744769	446930
3.917		4296115	2682512
3.942		777962	479682
3.962		136409	66872
3.981		482562	300133
4.017		3410483	2259185
4.051		154930	94644
4.066		289000	168963
4.112		11275	5400
4.129		34672	23665
4.154		56349	41324
4.162		115226	59237
4.196		10663	4656
4.22		875843	620013
4.263		909702	523978
4.281		870201	433802
4.295		2412295	1244166
4.32		1266868	1317306
4.373		7416874	5414665
4.419		106660	108738
4.443		698515	463637
4.468		1511844	1131000
4.511		8613368	6422160
4.613		7050691	6405173
4.667		864323	707892
4.706		1780722	1480329
4.742		8533948	6934412
4.775		3964434	2752506
4.814		2910815	2155384
4.883		12949	12773
4.914		962209	955916
4.965		5031941	3898730
4.989		684347	435715
5.039		2550883	2236568
5.075		1254170	1000248
5.105		903977	746020
5.137		348051	217648
5.159		11184000	8953606
5.2		217599	159116
5.233		433384	358779
5.273		9802	7759
5.35		117065	75030
5.374		2046885	1667438
5.418		6440065	7117912
5.536		3866	1996
5.575		215807	177884
5.619		159226	118011
5.643		183856	135122
5.692		1049876	923310
5.799		2121735	1803685
5.831		126612	91476
5.999		597597	514999
6.158	DCB	5031627	4494890
6.641		2307	2651
8.077		1870	4192
8.298		8771	17561

LCSA 9/10/17 ACF ABLCS41251 LCS 172510041A 10225 SW-846 80

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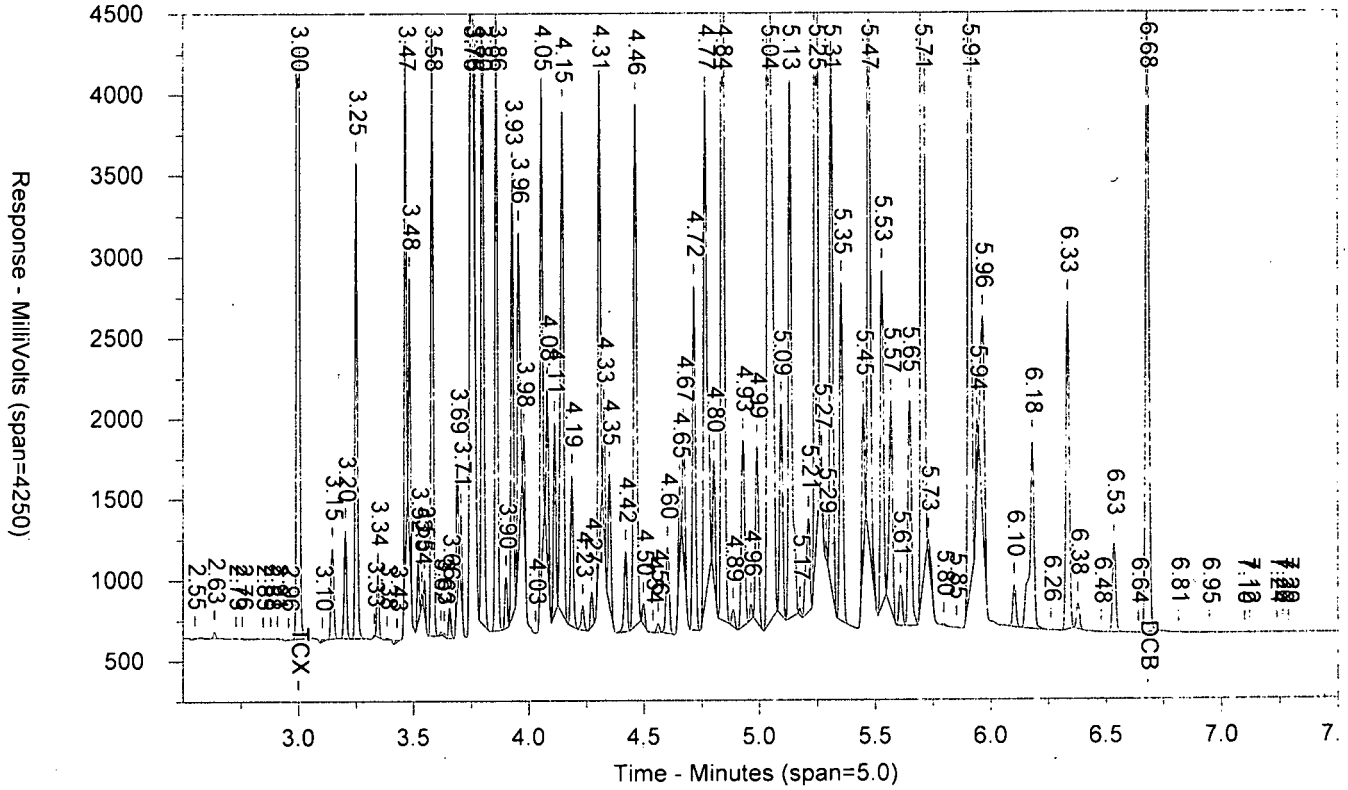

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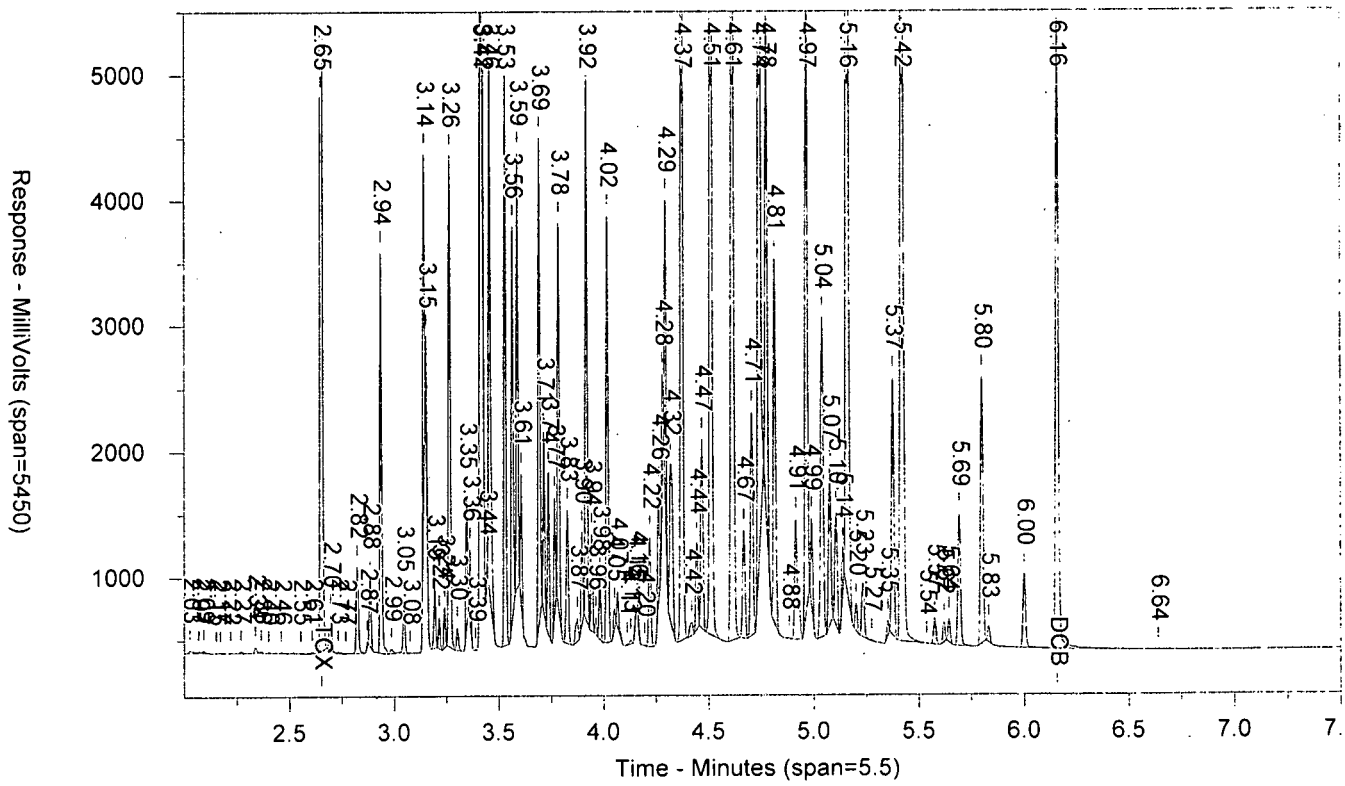

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/17 ACF ABLCS41251 LCS 172510041A 10225 SW-846 8082
Injected On: 9/15/2017 4:54:37 PM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 492

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound E
2.999	11628310	30.722	TCX	2.652	12768980	32.857	TCX
6.681	3990319	29.563	DCB	6.158	5031627	31.585	DCB

Files:
Area File: 07pcbs17250007.0045.RAW
Area File: 07pcbs17250007B.0045.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1725001.CAL
Calibration File B: 07PCBS1725001B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/15/2017 5:03:19 PM
File Reported On: 9/15/2017 at 5:03:31 PM

LCSA 9/10/17 ACF ABLCS41251 LCS 172510041A 10225 SW-846 80

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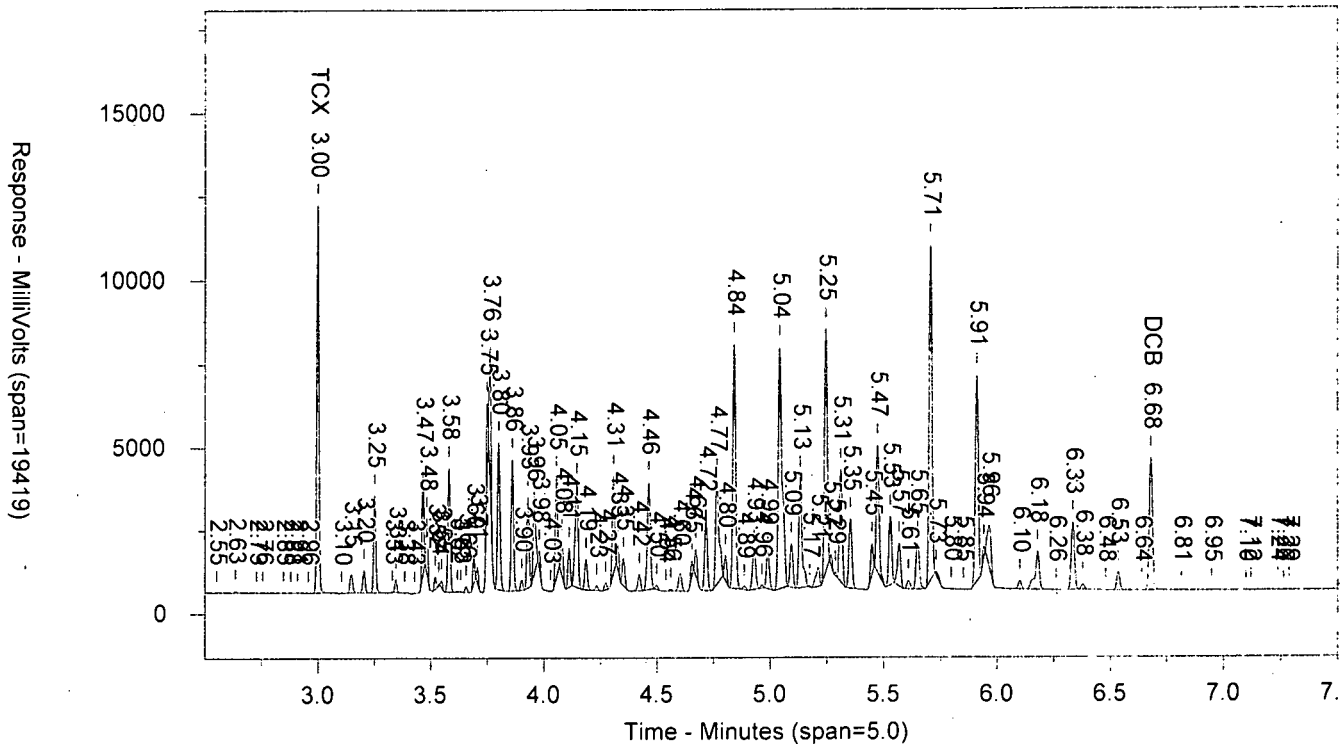

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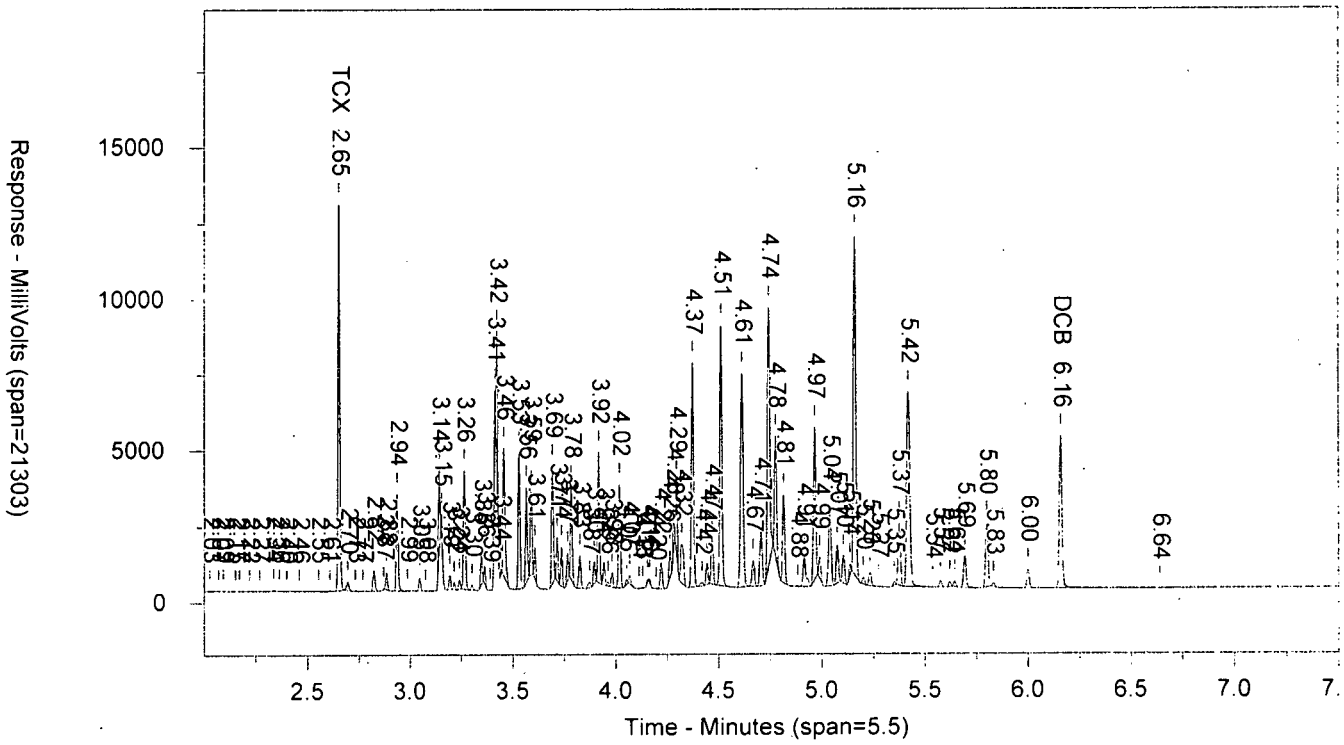

LCSA 9/10/17 ACF ABLCS41251 LCS 172510041A 10225 SW-846 80

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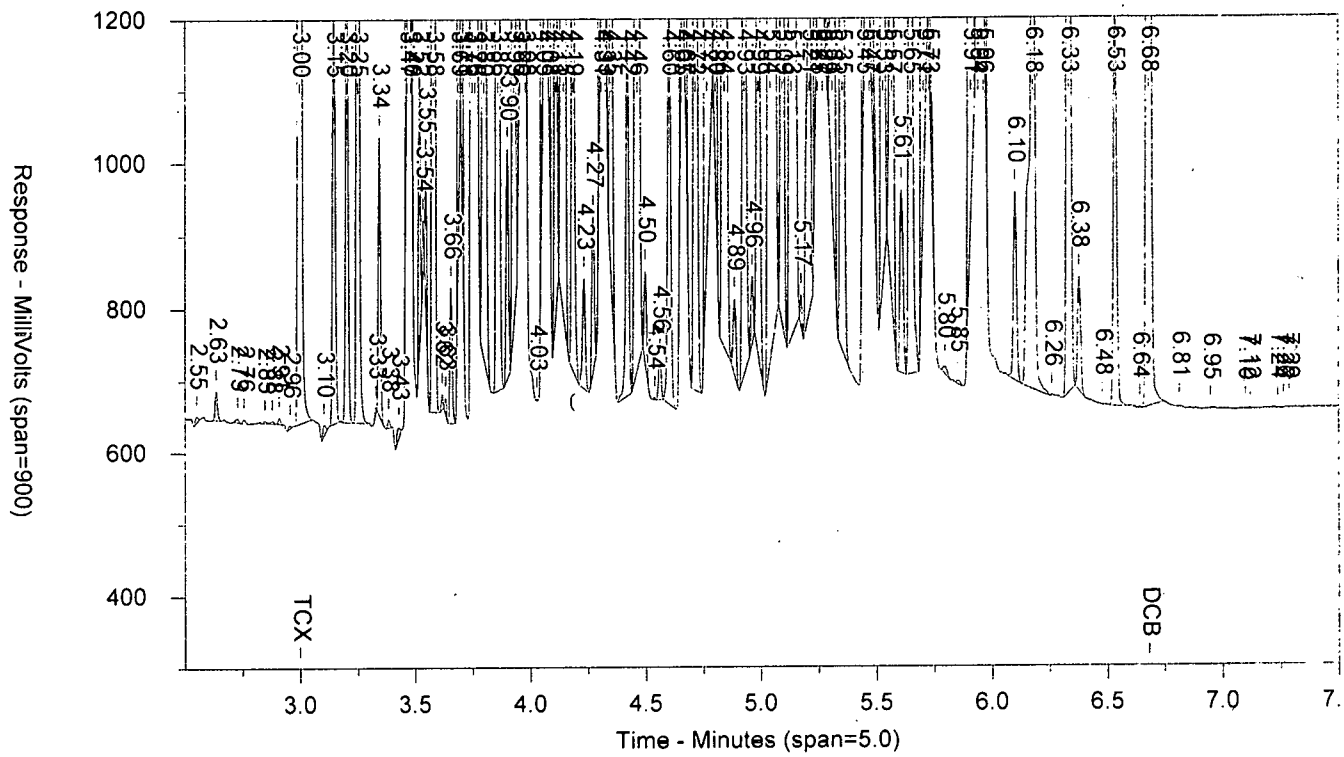

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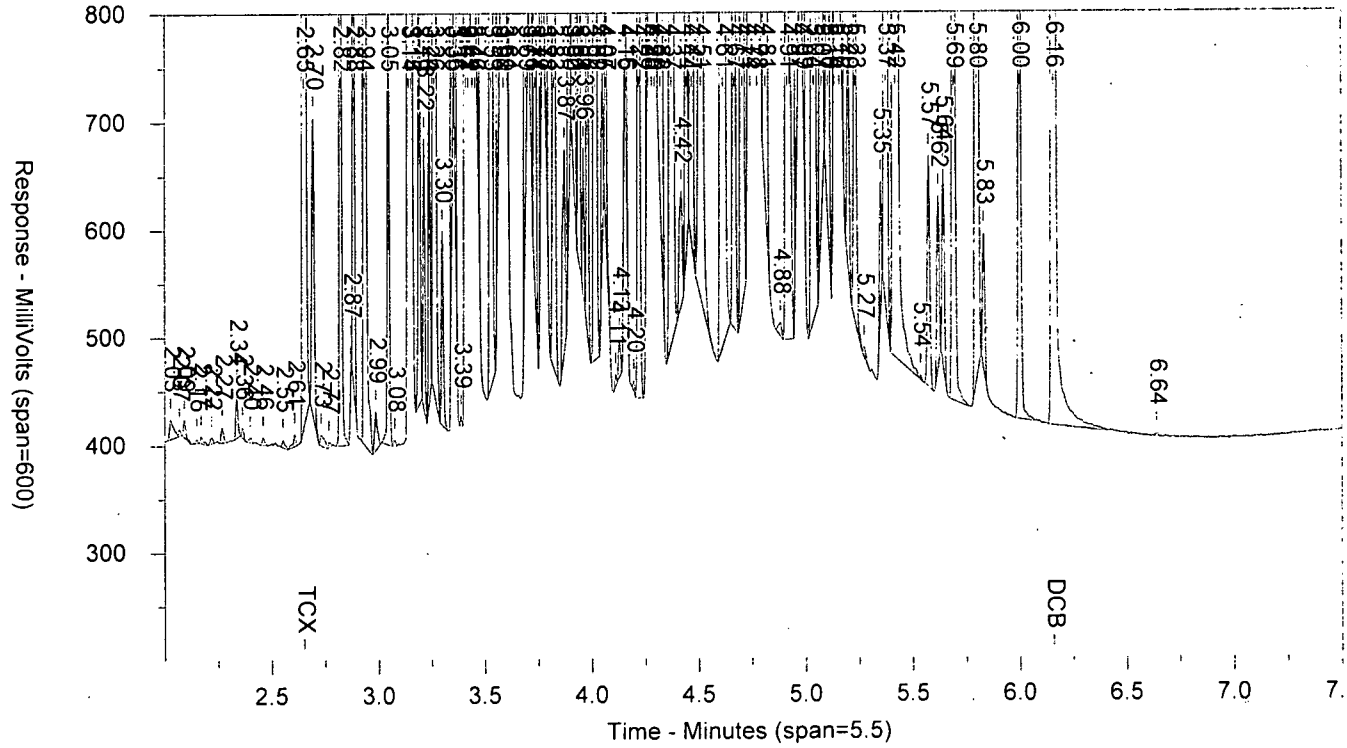

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 9874 Kayla Yuditsky Reviewed by: [illegible] Start Date: 9/10/17 Start time: 8:00

172510039A

Tech 1: Ky 9874 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
9197276MS	T1-OS	10.30	SS1723424A	1.0	MS1723324A	1.0	10	Z	Z	314A	gritty soil
9197277MSD	T1-OS	10.17	SS1723424A		MS1723324A	1.0	10	Z	Z	314A	
BLANKA	PBLK39251	10.0	SS1723424A		—		10	Z	Z		Na2SO4
LCSA	LCS39251	10.0	SS1723424A		MS1723324A	1.0	10	Z	Z		

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185072717A
Filter Paper	9823853
Hexane	174465
Sodium Sulfate	17244A

Spike Solutions: Witness:
MS1723324A PCB SPIKE
SS1723424A SW846 SURROGATE STANDARI

Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1 9197259	T120W	10.05	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Rocks;Black;Brown	10225	1869	09/19/2017	N
2 9197260	T120E	10.33	SS1723424A		10	Z	Z	314A	Soil;Wet;Brown	10225	1869	09/19/2017	N
3 9197261	T121W	10.37	SS1723424A		10	Z	Z	314A	Soil;Brown	10225	1869	09/19/2017	N
4 9197262	T121E	10.25	SS1723424A		10	Z	Z	314A	Soil;Gritty;Wet;Brown	10225	1869	09/19/2017	N
5 9197263	T122W	10.47	SS1723424A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	N
6 9197264	T122E	10.23	SS1723424A		10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	09/19/2017	N
7 9197265	T123W	10.11	SS1723424A		10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	09/19/2017	N
8 9197266	T123E	10.08	SS1723424A		10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	09/19/2017	N
9 9197267	T124W	10.37	SS1723424A		10	Z	Z	314A	Soil;Gritty;Wet;Brown	10225	1869	09/19/2017	N
10 9197268	T124E	10.14	SS1723424A		10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	09/19/2017	N
11 9197269	T125W	10.30	SS1723424A		10	Z	Z	314A	Soil;Gritty;Wet;Brown	10225	1869	09/19/2017	N
12 9197270	T125E	10.28	SS1723424A		10	Z	Z	314a	Soil;Gritty;Rocks;Brown	10225	1869	09/19/2017	N
13 9197271	T126W	10.47	SS1723424A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	09/19/2017	N
14 9197272	T126E	10.12	SS1723424A		10	Z	Z	314a	Soil;Gritty;Wet;Rocks;Black	10225	1869	09/19/2017	N
15 9197275BKG	T1-OS	10.35	SS1723424A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Black;Brown	10225	1869	09/19/2017	N
16 9197278	T1-D1	10.09	SS1723424A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	N
17 9197307	T1-1W	10.02	SS1723424A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Black	10225	1869	09/19/2017	N
18 9197308	T1-1E	10.10	SS1723424A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	N
19 9197309	T1-5E	10.05	SS1723424A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	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 6	98 C	S-bath ID	C	N-Evap	C	M-vap	C	172510039A

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
209197310	T1-6W	10.05	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Black;Brown	10225	1869	09/19/2017	N

Kirby B. Turner
Chemist

SEP 18 2017

N/A

Bench#	Bench#	Bench#		
Rack ID:		Work Station	hood 3	Micro Temp 100? —
Internal Standard		Balance #	17604	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C			
S-bath ID b	98 C	S-bath ID	C	N-Evap	C	M-vap	C	172510039A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172510039A

Verified: KMT 9/26
Start Date: 9/10/17
Start Time: 12:00
Tech 1: Kg 9/14
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9197276MS		10	10			
9197277MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9197259		10	10				10225
2	9197260		↓	↓				10225
3	9197261		↓	↓				10225
4	9197262		↓	↓				10225
5	9197263		↓	↓				10225
6	9197264		↓	↓				10225
7	9197265		↓	↓				10225
8	9197266		↓	↓				10225
9	9197267		↓	↓				10225
10	9197268		↓	↓				10225
11	9197269		↓	↓				10225
12	9197270		↓	↓				10225
13	9197271		↓	↓				10225
14	9197272		↓	↓				10225
15	9197275		↓	↓				10225
16	9197278		↓	↓				10225
17	9197307		↓	↓				10225
18	9197308		↓	↓				10225
19	9197309		↓	↓				10225
20	9197310		↓	↓				10225

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SEP 18 2017

Additional Comment: _____ DF = Dilution Factor FV = Final Volume N/A

Solvent Used	Lot No.	Solvent Used	Lot No.
		Sulfuric acid	174051

Prep-Process Worksheet

BR 7463 (3) 9/18/17 ~~Acid Cleanup~~ Florisil/Copper

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172510039A

Verified: KBT 9/18
Start Date: 9/10/17
Start Time: 12:15
Tech 1: KY 9854
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9197276MS		2	2			
9197277MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9197259		2	2				10225
2	9197260							10225
3	9197261							10225
4	9197262							10225
5	9197263							10225
6	9197264							10225
7	9197265							10225
8	9197266							10225
9	9197267							10225
10	9197268							10225
11	9197269							10225
12	9197270							10225
13	9197271							10225
14	9197272							10225
15	9197275							10225
16	9197278							10225
17	9197307							10225
18	9197308							10225
19	9197309							10225
20	9197310							10225

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Chemist

SEP 18 2017

N/A

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Copper	617060BC
		Florisil	414011CE

Organic Extraction Batchlog Assigned to: 701 Karen Beyer Reviewed by: [illegible] Start Date: 9/10/17 Start time: 21:30

172510040A

Tech 1: VB701 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
9197281MS	T1-OW	10.24	SS1723424A	1.0	MS1723324A	1.0	10	Z	Z	314A	
9197282MSD	T1-OW	10.33	SS1723424A	1.0	MS1723324A	1.0	10	Z	Z	314A	
BLANKA	PBLK40251	10.0	SS1723424A	1.0			10	Z	Z	NA	
LCSA	LCS40251	10.2	SS1723424A	1.0	MS1723324A	1.0	10	Z	Z	NA	

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185172717A
Filter Paper	9823853
Hexane	174465
Sodium Sulfate	17241A

NA VB701

Spike Solutions: Witness: NA

MS1723324A PCB SPIKE

SS1723424A SW846 SURROGATE STANDARI

Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	9/10/17 Comments	Analyses	List	Due Date	Prio
1 9197280BKG	T1-OW	10.45	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Brown	10225	1869	09/19/2017	N
2 9197283	T1-D2	10.12	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Black	10225	1869	09/19/2017	N
3 9197311	T1-6E	10.03	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	09/19/2017	N
4 9197312	T1-7W	10.08	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	09/19/2017	N
5 9197313	T1-7E	10.14	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Brown	10225	1869	09/19/2017	N
6 9197314	T1-8W	10.20	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Brown	10225	1869	09/19/2017	N
7 9197315	T1-8E	10.25	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Orange	10225	1869	09/19/2017	N
8 9197316	T1-9W	10.34	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	N
9 9197317	T1-9E	10.00	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	N
10 9197318	T110W	10.50	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	N
11 9197319	T1-2W	10.25	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	N
12 9197320	T1-2E	10.25	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	N

NA VB701

9/10/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Sonic Bath 3	Micro Temp 100?
Internal Standard		Balance #	—	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	95.1 C	S-bath ID	— C	N-Evap	— C	M-vap	— C

172510040A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172510040A

Verified: [illegible]
Start Date: 9/11/17
Start Time: 0[illegible]:30
Tech 1: [illegible]
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9197281MS		10	10			
9197282MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9197280		10	10				10225
2	9197283							10225
3	9197311							10225
4	9197312							10225
5	9197313							10225
6	9197314							10225
7	9197315							10225
8	9197316							10225
9	9197317							10225
10	9197318							10225
11	9197319							10225
12	9197320							10225

[illegible]

9/11/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
Hexane	174051		

Prep-Process Worksheet

BR 7963 9/8/17 ③ ~~Acid Cleanup~~ Florisil/Copper

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172510040A

Verified: TBT 9065
Start Date: 9/11/17
Start Time: 01:00
Tech 1: [illegible]
Tech 2: —

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9197281MS		2	2			
9197282MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9197280		2	2				10225
2	9197283							10225
3	9197311							10225
4	9197312							10225
5	9197313							10225
6	9197314							10225
7	9197315							10225
8	9197316							10225
9	9197317							10225
10	9197318							10225
11	9197319							10225
12	9197320							10225

[illegible]

9/11/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
Florisil	414011-CE	[illegible] 9/11/17	—
Copper	~~414011CE~~	617060-BC	—
	—		—
	—		—

Organic Extraction Batchlog Assigned to: 701 Karen Beyer

Reviewed by: [illegible] Start Date: 9/10/17 Start time: 20:35

172510041A

Tech 1: [illegible] 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
9197304MS	T1-OE	10.09	SS1723424A	1.0	MS1723324A	1.0	10	Z	Z	314A	
9197305MSD	T1-OE	10.48	SS1723424A	1.0	MS1723324A	1.0	10	Z	Z	314A	
BLANKA	PBLK41251	10.0	SS1723424A	1.0			10	Z	Z	[illegible]	
LCSA	LCS41251	10.0	SS1723424A	1.0	MS1723324A	1.0	10	Z	Z	[illegible]	

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185072717A
Filter Paper	9823853
Hexane	174465
Sodium Sulfate	17241A

[illegible] 9/10/17

Spike Solutions: Witness: [illegible]
MS1723324A PCB SPIKE
SS1723424A SW846 SURROGATE STANDARI

	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1	9197303BKG	T1-OE	10.19	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Brown	10225	1869	09/19/2017	N
2	9197306	T1-D3	10.22	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	09/19/2017	N
3	9197325	T1-3E	10.16	SS1723424A	1.0	10	Z	Z	314a	Soil;Gritty;Brown	10225	1869	09/19/2017	N
4	9197326	T1-4W	10.31	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	09/19/2017	N
5	9197327	T1-4E	10.24	SS1723424A	1.0	10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	09/19/2017	N
6	9197328	T1-5W	10.42	SS1723424A	1.0	10	Z	Z	314A	Soil;Wet;Rocks;Brown	10225	1869	09/19/2017	N

[illegible] 9/10/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Sonic Hood 3	Micro Temp 100?
Internal Standard		Balance #	—	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	95.0 C	S-bath ID	— C	N-Evap	— C	M-vap	— C

172510041A

3

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172510041A

Verified: [illegible]
Start Date: 9/11/17 @ KG701 9/11/17
Start Time: ~~01:00~~ 00:35
Tech 1: KG701
Tech 2: —

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9197304MS		10	10			
9197305MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9197303		10	10				10225
2	9197306							10225
3	9197325							10225
4	9197326							10225
5	9197327							10225
6	9197328							10225

KG701
9/11/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
Hexane	174051	—	—
—	—	—	—
—	—	—	—
—	—	—	—

Prep-Process Worksheet

BR7065 (3) 9/8/17 ~~Acid Cleanup~~ Florisil/Copper	
Prep: 14248 PCB 10g Sonication Ext	
Batch No: 172510041A	

Verified: [illegible]
Start Date: 9/11/17
Start Time: 01:[illegible]
Tech 1: [illegible]
Tech 2: —

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9197304MS		2	2			
9197305MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9197303		2	2				10225
2	9197306							10225
3	9197325							10225
4	9197326							10225
5	9197327							10225
6	9197328							10225

MA [illegible]

9/11/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
Florisil	414011-LE	—	—
Copper	617060-BC	—	—
—	—	—	—
—	—	—	—

Moisture Data

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CLIENT: **Stantec**
SDG: ATG54

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9197303	T1-OEBKG
9197304	T1-OEMS
9197305	T1-OEMSD
9197306	T1-D3FD
9197307	T1-1W
9197308	T1-1E
9197309	T1-5E
9197310	T1-6W
9197311	T1-6E
9197312	T1-7W
9197313	T1-7E
9197314	T1-8W
9197315	T1-8E
9197316	T1-9W
9197317	T1-9E
9197318	T110W

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:	17251820002C	Sample number(s):	9197306			
Moisture		100		99-101		
Batch number:	17251820003A	Sample number(s):	9197307-9197316			
Moisture		100		99-101		
Batch number:	17251820003B	Sample number(s):	9197317-9197318			
Moisture		100		99-101		
Batch number:	17256820010A	Sample number(s):	9197303-9197305			
Moisture		100		99-101		
Moisture		100		99-101		
Moisture Duplicate		100		99-101		

eurofins | Lancaster Laboratories Environmental

CLIENT: Stantec
SDG: ATG54

MOISTURE

Sample Matrix Quality Control

Analysis Name		BKG Conc	DUP Conc	RPD	RPD Max
Batch number:	17251820002C	Sample number(s):	9197306		
Moisture		17.7	23.1	26*	5
Batch number:	17251820003A	Sample number(s):	9197307-9197316		
Moisture		23.9	22.4	6*	5
Batch number:	17251820003B	Sample number(s):	9197317-9197318		
Moisture		22.9	19.8	15*	5
Batch number:	17256820010A	Sample number(s):	9197303-9197305		
Moisture		20.7	18.3	12*	5
Moisture		20.7	18.3	12*	5
Moisture Duplicate		20.7	18.3	12*	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

Moisture Data Report

Batch #: 17251820002

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9197306FD	C	00111	1.1049	9.1645	8.3747	20.67	9/ 8/17 (1201/SWF)	9/13/17 (236/CW)
LCS 89.5% Std.		00111	1.1274	5.0124	1.6578	89.42	9/ 8/17 (1201/SWF)	9/13/17 (236/CW)

Batch #: 17251820003

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9197307	A	00111	1.1148	8.0163	6.7911	29.19	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197308	A	00111	1.0893	9.6427	8.7971	20.07	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197309	A	00111	1.0909	9.6327	8.8793	19.15	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197310BKG	A	00111	1.1086	9.5974	8.4135	23.89	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197310DUP	A	00111	1.1044	9.9848	8.8482	22.44	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197311	A	00111	1.0998	8.3762	8.2252	14.93	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197312	A	00111	1.0924	8.7851	7.5818	26.13	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197313	A	00111	1.0988	9.3781	9.5016	10.40	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197314	A	00111	1.0949	9.4105	8.0186	26.43	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197315	A	00111	1.1025	9.6692	9.3421	14.79	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197316	A	00111	1.1084	7.8505	7.0701	24.06	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197317	B	00111	1.0928	8.3609	7.6628	21.42	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
9197318	B	00111	1.1083	6.7005	6.3701	21.47	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
P197321BKG	B	00111	1.0962	7.4191	6.8161	22.90	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
P197321DUP	B	00111	1.0846	7.3460	6.9773	19.78	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)
LCS 89.5% Std.		00111	1.1085	5.0317	1.6413	89.41	9/ 8/17 (1201/SWF)	9/12/17 (1382/SAS)

Batch #: 17256820010

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9197303BKG	A	00111	1.1296	8.7020	8.0289	20.72	9/13/17 (1201/SWF)	9/14/17 (236/CW)
9197304MS	A	00118				20.72	9/13/17 (1201/SWF)	9/14/17 (236/CW)
9197305MSD	A	00118				20.72	9/13/17 (1201/SWF)	9/14/17 (236/CW)
9197305MSD	A	00121	1.0977	8.0133	7.6413	18.34	9/13/17 (1201/SWF)	9/14/17 (236/CW)
LCS 89.5% Std.		00111	1.1162	5.0026	1.6453	89.42	9/13/17 (1201/SWF)	9/14/17 (236/CW)