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Type I Data Package

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Project: Amtrak Wilmington
Soil and Water Samples
Collected on 05/18/17

SDG# ATE53

GROUP	SAMPLE NUMBERS
1803883	9004800-9004820

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: 06/16/2017**

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 ATE53
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9004800	EB-20170518	05/18/2017 07:45	05/19/2017 18:15
9004801	F-24(0.0-0.3)	05/18/2017 08:21	05/19/2017 18:15
9004802	F-24(0.5-0.8)	05/18/2017 08:31	05/19/2017 18:15
9004803	F-24(1.0-1.3)	05/18/2017 08:36	05/19/2017 18:15
9004804	F-25(0.0-0.3)	05/18/2017 08:39	05/19/2017 18:15
9004805	F-25(0.5-0.8)	05/18/2017 08:41	05/19/2017 18:15
9004806	F-25(1.0-1.3)	05/18/2017 08:48	05/19/2017 18:15
9004807	F-26(0.0-0.3)	05/18/2017 08:53	05/19/2017 18:15
9004808	F-26(0.5-0.8)	05/18/2017 08:57	05/19/2017 18:15
9004809	F-26(1.0-1.3)	05/18/2017 09:01	05/19/2017 18:15
9004810	F-27(0.0-0.3)	05/18/2017 09:10	05/19/2017 18:15
9004811	F-27(0.5-0.8)	05/18/2017 09:14	05/19/2017 18:15
9004812	F-27(1.0-1.3)	05/18/2017 09:24	05/19/2017 18:15
9004813	F-27(1.5-1.8)	05/18/2017 09:42	05/19/2017 18:15
9004814	F-28(0.0-0.3)	05/18/2017 09:15	05/19/2017 18:15
9004815	F-28(0.5-0.8)	05/18/2017 09:19	05/19/2017 18:15
9004816	F-28(1.0-1.3)	05/18/2017 09:25	05/19/2017 18:15
9004817	F-28(1.5-1.8)	05/18/2017 09:38	05/19/2017 18:15
9004818	F-29(0.0-0.3)	05/18/2017 09:47	05/19/2017 18:15
9004819	F-29(0.0-0.3)MS	05/18/2017 09:47	05/19/2017 18:15
9004820	F-29(0.0-0.3)MSD	05/18/2017 09:47	05/19/2017 18:15

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10227 PCBs in Water

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.

11117 PCB Waters Extraction

The sample is solvent extracted and exchanged to hexane. Florisil cleanup is 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 Wastes, SW-846 Method 3510C, Rev 3, December 1996

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 placed in a tared container and dried to a constant weight in an oven at 103-105C. The increase in weight is the total solids.

Reference: Standard Methods for the Examination of Water and Wastewater, 22nd Edition, 2012, Method 2540 G-1997

Analysis Reports / Field Chain of Custody

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Report Date: May 31, 2017

Project: Amtrak Wilmington

Submittal Date: 05/19/2017
Group Number: 1803883
SDG: ATE53
PO Number: 213402048
State of Sample Origin: DE

Client Sample Description	Lancaster Labs (LL) #
EB-20170518 Grab Water	9004800
F-24(0.0-0.3) Grab Soil	9004801
F-24(0.5-0.8) Grab Soil	9004802
F-24(1.0-1.3) Grab Soil	9004803
F-25(0.0-0.3) Grab Soil	9004804
F-25(0.5-0.8) Grab Soil	9004805
F-25(1.0-1.3) Grab Soil	9004806
F-26(0.0-0.3) Grab Soil	9004807
F-26(0.5-0.8) Grab Soil	9004808
F-26(1.0-1.3) Grab Soil	9004809
F-27(0.0-0.3) Grab Soil	9004810
F-27(0.5-0.8) Grab Soil	9004811
F-27(1.0-1.3) Grab Soil	9004812
F-27(1.5-1.8) Grab Soil	9004813
F-28(0.0-0.3) Grab Soil	9004814
F-28(0.5-0.8) Grab Soil	9004815
F-28(1.0-1.3) Grab Soil	9004816
F-28(1.5-1.8) Grab Soil	9004817
F-29(0.0-0.3) Grab Soil	9004818
F-29(0.0-0.3)MS Grab Soil	9004819
F-29(0.0-0.3)MSD Grab Soil	9004820

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	Stantec	Attn: Jon Zerbe
Electronic Copy To	Stantec	Attn: Paul Miller
Electronic Copy To	Stantec	Attn: Steve Baggett

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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Analysis Report

Sample Description: EB-20170518 Grab Water
Amtrak Wilmington

LL Sample # WW 9004800
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 07:45 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5301 SDG#: ATE53-01EB

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		ug/l	ug/l	
10227	PCB-1016	12674-11-2	< 0.40	0.40	1
10227	PCB-1221	11104-28-2	< 0.40	0.40	1
10227	PCB-1232	11141-16-5	< 0.40	0.40	1
10227	PCB-1242	53469-21-9	< 0.40	0.40	1
10227	PCB-1248	12672-29-6	< 0.40	0.40	1
10227	PCB-1254	11097-69-1	< 0.40	0.40	1
10227	PCB-1260	11096-82-5	< 0.40	0.40	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
10227	PCBs in Water	SW-846 8082	1	171430011A	05/25/2017 00:23	Kirby B Turner	1
11117	PCB Waters Extraction	SW-846 3510C	1	171430011A	05/24/2017 01:05	Karen L Beyer	1

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Analysis Report

Sample Description: F-24(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004801
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 08:21 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5302 SDG#: ATE53-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.053	0.053	1
10225	PCB-1221	11104-28-2	< 0.053	0.053	1
10225	PCB-1232	11141-16-5	< 0.053	0.053	1
10225	PCB-1242	53469-21-9	< 0.053	0.053	1
10225	PCB-1248	12672-29-6	< 0.053	0.053	1
10225	PCB-1254	11097-69-1	< 0.053	0.053	1
10225	PCB-1260	11096-82-5	0.14	0.053	1
Wet Chemistry	**SM 2540 G-1997**		%	%	
00111	Moisture	n.a.	3.5	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	171450004A	05/31/2017 00:02	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

Sample Description: F-24(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004802
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 08:31 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5303 SDG#: ATE53-03

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	< 0.52	0.52	10
10225	PCB-1221	11104-28-2	< 0.52	0.52	10
10225	PCB-1232	11141-16-5	< 0.52	0.52	10
10225	PCB-1242	53469-21-9	< 0.52	0.52	10
10225	PCB-1248	12672-29-6	< 0.52	0.52	10
10225	PCB-1254	11097-69-1	< 0.52	0.52	10
10225	PCB-1260	11096-82-5	6.4	0.52	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.3	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171450004A	05/26/2017 17:32	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

Sample Description: F-24(1.0-1.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004803
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 08:36 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5304 SDG#: ATE53-04

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	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	1.0	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.8	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	171450004A	05/26/2017 17:44	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

Sample Description: F-25(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004804
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 08:39 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5305 SDG#: ATE53-05

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	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.89	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.1	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	171450004A	05/31/2017 00:25	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Sample Description: F-25(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004805
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 08:41 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5306 SDG#: ATE53-06

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	< 0.51	0.51	10
10225	PCB-1221	11104-28-2	< 0.51	0.51	10
10225	PCB-1232	11141-16-5	< 0.51	0.51	10
10225	PCB-1242	53469-21-9	< 0.51	0.51	10
10225	PCB-1248	12672-29-6	< 0.51	0.51	10
10225	PCB-1254	11097-69-1	< 0.51	0.51	10
10225	PCB-1260	11096-82-5	5.6	0.51	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.6	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171450004A	05/31/2017 00:37	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

Sample Description: F-25(1.0-1.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004806
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 08:48 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5307 SDG#: ATE53-07

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	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.63	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.7	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	171450004A	05/26/2017 18:29	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Sample Description: F-26(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004807
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 08:53 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5308 SDG#: ATE53-08

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	< 0.053	0.053	1
10225	PCB-1221	11104-28-2	< 0.053	0.053	1
10225	PCB-1232	11141-16-5	< 0.053	0.053	1
10225	PCB-1242	53469-21-9	< 0.053	0.053	1
10225	PCB-1248	12672-29-6	< 0.053	0.053	1
10225	PCB-1254	11097-69-1	< 0.053	0.053	1
10225	PCB-1260	11096-82-5	0.33	0.053	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.4	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	171450004A	05/31/2017 00:48	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Sample Description: F-26(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004808
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 08:57 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

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A5309 SDG#: ATE53-09

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	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	4.1	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.5	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	171450004A	05/26/2017 19:03	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Sample Description: F-26(1.0-1.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004809
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:01 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

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A5310 SDG#: ATE53-10

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	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.67	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.9	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	171450004A	05/26/2017 19:37	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

Sample Description: F-27(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004810
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:10 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

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A5311 SDG#: ATE53-11

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	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.26	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.1	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	171450004A	05/26/2017 19:48	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

Sample Description: F-27(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004811
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:14 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
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Suite 140
West Chester PA 19380

A5312 SDG#: ATE53-12

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	< 1.0	1.0	20
10225	PCB-1221	11104-28-2	< 1.0	1.0	20
10225	PCB-1232	11141-16-5	< 1.0	1.0	20
10225	PCB-1242	53469-21-9	< 1.0	1.0	20
10225	PCB-1248	12672-29-6	< 1.0	1.0	20
10225	PCB-1254	11097-69-1	< 1.0	1.0	20
10225	PCB-1260	11096-82-5	3.0	1.0	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.3	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171450004A	05/26/2017 20:00	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Sample Description: F-27(1.0-1.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004812
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:24 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

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A5313 SDG#: ATE53-13

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	< 1.0	1.0	20
10225	PCB-1221	11104-28-2	< 1.0	1.0	20
10225	PCB-1232	11141-16-5	< 1.0	1.0	20
10225	PCB-1242	53469-21-9	< 1.0	1.0	20
10225	PCB-1248	12672-29-6	< 1.0	1.0	20
10225	PCB-1254	11097-69-1	< 1.0	1.0	20
10225	PCB-1260	11096-82-5	3.4	1.0	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.3	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171450004A	05/26/2017 20:11	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

Sample Description: F-27(1.5-1.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004813
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:42 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

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A5314 SDG#: ATE53-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.52	0.52	10
10225	PCB-1221	11104-28-2	< 0.52	0.52	10
10225	PCB-1232	11141-16-5	< 0.52	0.52	10
10225	PCB-1242	53469-21-9	< 0.52	0.52	10
10225	PCB-1248	12672-29-6	< 0.52	0.52	10
10225	PCB-1254	11097-69-1	< 0.52	0.52	10
10225	PCB-1260	11096-82-5	1.5	0.52	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.4	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	171450004A	05/26/2017 20:22	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Sample Description: F-28(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004814
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:15 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

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A5315 SDG#: ATE53-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.052	0.052	1
10225	PCB-1221	11104-28-2	< 0.052	0.052	1
10225	PCB-1232	11141-16-5	< 0.052	0.052	1
10225	PCB-1242	53469-21-9	< 0.052	0.052	1
10225	PCB-1248	12672-29-6	< 0.052	0.052	1
10225	PCB-1254	11097-69-1	< 0.052	0.052	1
10225	PCB-1260	11096-82-5	0.24	0.052	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.6	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171450004A	05/26/2017 20:34	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Sample Description: F-28(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004815
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:19 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

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A5316 SDG#: ATE53-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.051	0.051	1
10225	PCB-1221	11104-28-2	< 0.051	0.051	1
10225	PCB-1232	11141-16-5	< 0.051	0.051	1
10225	PCB-1242	53469-21-9	< 0.051	0.051	1
10225	PCB-1248	12672-29-6	< 0.051	0.051	1
10225	PCB-1254	11097-69-1	< 0.051	0.051	1
10225	PCB-1260	11096-82-5	0.084	0.051	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.2	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	171450004A	05/26/2017 20:56	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Sample Description: F-28(1.0-1.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004816
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:25 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

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A5317 SDG#: ATE53-17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1	1.1	20
10225	PCB-1221	11104-28-2	< 1.1	1.1	20
10225	PCB-1232	11141-16-5	< 1.1	1.1	20
10225	PCB-1242	53469-21-9	< 1.1	1.1	20
10225	PCB-1248	12672-29-6	< 1.1	1.1	20
10225	PCB-1254	11097-69-1	< 1.1	1.1	20
10225	PCB-1260	11096-82-5	2.9	1.1	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.0	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171450004A	05/26/2017 21:08	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Sample Description: F-28(1.5-1.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004817
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:38 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

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A5318 SDG#: ATE53-18

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.051	0.051	1
10225	PCB-1221	11104-28-2	< 0.051	0.051	1
10225	PCB-1232	11141-16-5	< 0.051	0.051	1
10225	PCB-1242	53469-21-9	< 0.051	0.051	1
10225	PCB-1248	12672-29-6	< 0.051	0.051	1
10225	PCB-1254	11097-69-1	< 0.051	0.051	1
10225	PCB-1260	11096-82-5	0.24	0.051	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.3	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171450004A	05/30/2017 23:51	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

Sample Description: F-29(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9004818
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:47 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
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West Chester PA 19380

A5319 SDG#: ATE53-19BKG

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	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.28	0.26	5
Wet Chemistry	**SM 2540 G-1997**		%	%	
00111	Moisture	n.a.	2.8	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	171450004A	05/26/2017 21:30	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

Sample Description: F-29(0.0-0.3)MS Grab Soil
Amtrak Wilmington

LL Sample # SW 9004819
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:47 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
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West Chester PA 19380

A5319 SDG#: ATE53-19MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		mg/kg	mg/kg	
10225	PCB-1016	12674-11-2	0.56	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.99	0.26	5
Wet Chemistry	**SM 2540 G-1997**		%	%	
00118	Moisture	n.a.	2.8	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	171450004A	05/26/2017 21:42	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00118	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

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Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: F-29(0.0-0.3)MSD Grab Soil
Amtrak Wilmington

LL Sample # SW 9004820
LL Group # 1803883
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/18/2017 09:47 by JZ

Submitted: 05/19/2017 18:15
Reported: 05/31/2017 17:36

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5319 SDG#: ATE53-19MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	0.53	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.96	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	2.8	0.50	1
00121	Moisture Duplicate	n.a.	2.7	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171450004A	05/26/2017 21:53	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171450004A	05/25/2017 19:30	Sally L Appleyard	1
00118	Moisture	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997	1	17145820006A	05/26/2017 00:40	Scott W Freisher	1

Quality Control Summary

Client Name: Stantec
Reported: 05/31/2017 17:36

Group Number: 1803883

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	LOQ
	mg/kg	mg/kg
Batch number: 171450004A	Sample number(s): 9004801-9004820	
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
	ug/l	ug/l
Batch number: 171430011A	Sample number(s): 9004800	
PCB-1016	< 0.40	0.40
PCB-1221	< 0.40	0.40
PCB-1232	< 0.40	0.40
PCB-1242	< 0.40	0.40
PCB-1248	< 0.40	0.40
PCB-1254	< 0.40	0.40
PCB-1260	< 0.40	0.40

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: 171450004A	Sample number(s): 9004801-9004820								
PCB-1016	0.501	0.513			102		80-121		
PCB-1260	0.504	0.551			109		84-125		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171430011A	Sample number(s): 9004800								
PCB-1016	5.01	4.88	5.01	4.67	97	93	60-117	5	30
PCB-1260	5.04	5.26	5.04	4.67	104	93	57-134	12	30
	%	%	%	%					
Batch number: 17145820006A	Sample number(s): 9004801-9004820								
Moisture	89.5	88.98			99		99-101		
Moisture	89.5	88.98			99		99-101		

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

Quality Control Summary

Client Name: Stantec
Reported: 05/31/2017 17:36

Group Number: 1803883

LCS/LCSD (continued)

Analysis Name	LCS Spike Added %	LCS Conc %	LCSD Spike Added %	LCSD Conc %	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Moisture Duplicate	89.5	88.98			99		99-101		

MS/MSD

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

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 171450004A	Sample number(s): 9004801-9004820 UNSPK: 9004818									
PCB-1016	< 0.25	0.498	0.542	0.495	0.519	109	105	80-121	4	50
PCB-1260	0.271	0.501	0.961	0.499	0.936	138*	133*	84-125	3	50

Laboratory Duplicate

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

Analysis Name	BKG Conc %	DUP Conc %	DUP RPD	DUP RPD Max
Batch number: 17145820006A	Sample number(s): 9004801-9004820 BKG: 9004818, P004818			
Moisture	2.84	2.69	5	5
Moisture	2.84	2.69	5	5
Moisture Duplicate	2.84	2.69	5	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.

Analysis Name: PCBs in Water
Batch number: 171430011A

	Tetrachloro-m-xylene	Decachlorobiphenyl
9004800	88	80
Blank	98	86
LCS	105	81
LCSD	105	44
Limits:	33-137	10-148

*- 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: 05/31/2017 17:36

Group Number: 1803883

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.

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 171450004A

	Tetrachloro-m-xylene	Decachlorobiphenyl
9004801	107	107
9004802	96	103
9004803	104	103
9004804	105	112
9004805	101	116
9004806	98	101
9004807	105	89
9004808	91	102
9004809	99	106
9004810	86	94
9004811	91	112
9004812	90	120
9004813	94	114
9004814	117	112
9004815	121	113
9004816	98	121
9004817	101	94
9004818	100	112
9004819	101	110
9004820	95	107
Blank	103	109
LCS	103	114
MS	101	110
MSD	95	107
Limits:	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 # 1803883 Sample # 9004800-20

COC # 528926 1089

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jan Zerbe

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

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

Analysis Requested / **Preservation Codes**

For Lab Use Only
FSC:
SCR#:

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

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Other	Total # of Containers	PCBs 3550B	Remarks
EB-20170518	5-18-17	745	X			X		2	X	
F-24 (0.0-0.3)		821			X			1		
F-24 (0.5-0.8)		831								
F-24 (1.0-1.3)		836								
F-25 (0.0-0.3)		839								
F-25 (0.5-0.8)		841								
F-25 (1.0-1.3)		848								
F-26 (0.0-0.3)		853								
F-26 (0.5-0.8)		857								
F-26 (1.0-1.3)		901								

Remarks

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

Date results are needed: ____

E-mail address: Paul.Miller@Stantec.com

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]	5-19-17	12:55	[signature]	5-19-17	12:55
[signature]	5/19/17	1815			
			[signature]	5/19/17	1818

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 1.8-2.1 °C

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1803853 Sample # 9004800-20

COC # 528927 2 of 9

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jan Zelke

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

For Lab Use Only

FSC:

SCR#:

Preservation Codes

H=HCl T=Thiosulfate

N=HNO_3 B=NaOH

S=H_2SO_4 O=Other

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Matrix: Soil ☒ / Sediment ☐ / Tissue ☐	Water: Potable ☐ / Ground ☐ / NPDES ☐ / Surface ☐ / Other:	Total # of Containers	Analysis Requested: PCBs 3550b	Remarks
F-27 (0.0-0.3)	5-18-17	910	X		X		1	X	
F-27 (0.5-0.8)		914							
F-27 (1.0-1.3)		924							
F-27 (1.5-1.8)		942							
F-28 (0.0-0.3)		915							
F-28 (0.5-0.8)		919							
F-28 (1.0-1.3)		925							
F-28 (1.5-1.8)		938							
F-29 (0.0-0.3)		947							
F-29 (0.0-0.3) MS		947							

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]	5-19-17	1255	[signature]	5-19-17	12:55
[signature]	5-19-17	1815			
			[signature]	5/19/17	1815

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 1.5-2.1 °C

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1803883 Sample # 9004800-20

COC # 528928

3 of 9

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zerbe

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

For Lab Use Only

FSC:

SCR#:

Sample Identification	Collected Date	Collected Time	Grab	Composite	Matrix: Soil ☒	Sediment ☐	Tissue ☐	Water: Potable ☐	Ground ☐	NPDES ☐	Surface ☐	Other:	Total # of Containers	PCBs 3550b	Remarks
F-29 (0.0-0.3) MSD	5-18-17	947	X		X								1	X	
DUP-10		947													
F-29 (0.5-0.8)		957													
F-29 (1.0-1.3)		1011													
F-29 (1.5-1.8)		1019													
G-16 (0.0-0.3)		1031													
G-17 (0.0-0.3)		1032													
G-18 (0.0-0.3)		1034													collected at 1034
G-19 (0.0-0.3)		1037													
G-19 (0.5-0.8)		1040													

Preservation Codes

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

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]	5-19-17	1255	[signature]	5-19-17	1255
[signature]	5-19-17	1914			
			[signature]	5/19/17	1815

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 1.5-2.1°C

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Sample Administration Receipt Documentation Log

Doc Log ID: 184256

Group Number(s): 1803883

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	05/19/2017 18:15
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 Simon Nies (25112) at 22:07 on 05/19/2017

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	2.1	DT	Wet	Y	Bagged	N
2	DT146	1.5	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17601-5994
T | 717-656-2300
F | 717-656-2681
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Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	none detected
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.

Laboratory Data Qualifiers:

C - Result confirmed by reanalysis
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.

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.

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

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

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

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

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

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Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

Polychlorinated Biphenyls (PCBs)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATE53

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

PCBs in Solids by 8082/3550

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9004800	EB-20170518	X		1	Equipment Blank
9004801	F-24(0.0-0.3)		X	1	
9004802	F-24(0.5-0.8)		X	10	
9004803	F-24(1.0-1.3)		X	5	
9004804	F-25(0.0-0.3)		X	5	
9004805	F-25(0.5-0.8)		X	10	
9004806	F-25(1.0-1.3)		X	5	
9004807	F-26(0.0-0.3)		X	1	
9004808	F-26(0.5-0.8)		X	5	
9004809	F-26(1.0-1.3)		X	5	
9004810	F-27(0.0-0.3)		X	5	
9004811	F-27(0.5-0.8)		X	20	
9004812	F-27(1.0-1.3)		X	20	
9004813	F-27(1.5-1.8)		X	10	
9004814	F-28(0.0-0.3)		X	1	
9004815	F-28(0.5-0.8)		X	1	
9004816	F-28(1.0-1.3)		X	20	
9004817	F-28(1.5-1.8)		X	1	
9004818	F-29(0.0-0.3)		X	5	Unspiked
9004819	F-29(0.0-0.3)MS		X	5	Matrix Spike
9004820	F-29(0.0-0.3)MSD		X	5	Matrix Spike Duplicate

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:

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATE53

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

(Sample number(s): 9004800: Analysis: 10227)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

(Sample number(s): 9004801-9004820: 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.

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#: 171450004A (Sample number(s): 9004801-9004820, UNSPK: 9004818)
The recovery(ies) for the following analyte(s) in the MS and MSD exceeded the acceptance window indicating a positive bias: PCB-1260

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: ATE53

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	171450004A	PBLK04145	05/26/2017 16:36:00
		LCS04145	05/26/2017 16:47:00
		9004801	05/31/2017 00:02:00
		9004802	05/26/2017 17:32:00
		9004803	05/26/2017 17:44:00
		9004804	05/31/2017 00:25:00
		9004805	05/31/2017 00:37:00
		9004806	05/26/2017 18:29:00
		9004807	05/31/2017 00:48:00
		9004808	05/26/2017 19:03:00
		9004809	05/26/2017 19:37:00
		9004810	05/26/2017 19:48:00
		9004811	05/26/2017 20:00:00
		9004812	05/26/2017 20:11:00
		9004813	05/26/2017 20:22:00
		9004814	05/26/2017 20:34:00
		9004815	05/26/2017 20:56:00
		9004816	05/26/2017 21:08:00
		9004817	05/30/2017 23:51:00
		9004818 UNSPK	05/26/2017 21:30:00
		9004819 MS	05/26/2017 21:42:00
		9004820 MSD	05/26/2017 21:53:00
PCBs in Water	171430011A	PBLK11143	05/24/2017 23:14:00
		LCS11143	05/24/2017 23:26:00
		LCSD11143	05/24/2017 23:37:00
		9004800	05/25/2017 00:23:00

Lancaster Laboratories Environmental

Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATE53
Matrix: LIQUID

Fraction: Polychlorinated Biphenyls (PCBs)

171430011A / PBLK11143 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	05/24/17	N.D.	ug/l	0.080	0.40
PCB-1221	05/24/17	N.D.	ug/l	0.080	0.40
PCB-1232	05/24/17	N.D.	ug/l	0.16	0.40
PCB-1242	05/24/17	N.D.	ug/l	0.080	0.40
PCB-1248	05/24/17	N.D.	ug/l	0.080	0.40
PCB-1254	05/24/17	N.D.	ug/l	0.080	0.40
PCB-1260	05/24/17	N.D.	ug/l	0.12	0.40

Lancaster Laboratories Environmental

Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATE53
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

171450004A / PBLK04145 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	05/26/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	05/26/17	N.D.	mg/kg	0.015	0.051
PCB-1232	05/26/17	N.D.	mg/kg	0.012	0.051
PCB-1242	05/26/17	N.D.	mg/kg	0.012	0.051
PCB-1248	05/26/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	05/26/17	N.D.	mg/kg	0.013	0.051
PCB-1260	05/26/17	N.D.	mg/kg	0.012	0.051

Lancaster Laboratories Environmental

Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATE53
Matrix: LIQUID

Fraction: Polychlorinated Biphenyls (PCBs)

171430011A	**Decachlorobiphenyl**		**Tetrachloro-m-xylene**	
	Spike Added	0.293 ug/l	**Spike Added**	0.292 ug/l
Sample	**% Recovery**	**Limits**	**% Recovery**	**Limits**
PBLK11143	86	10 - 148	98	33 - 137
LCS11143	81	10 - 148	105	33 - 137
LCSD11143	44	10 - 148	105	33 - 137
9004800	80	10 - 148	88	33 - 137

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATE53
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

171450004A	**Decachlorobiphenyl**		**Tetrachloro-m-xylene**	
	Spike Added	29.3 ug/kg	**Spike Added**	29.2 ug/kg
Sample	**% Recovery**	**Limits**	**% Recovery**	**Limits**
PBLK04145	109	48 - 164	103	61 - 152
LCS04145	114	48 - 164	103	61 - 152
9004801	107	48 - 164	107	61 - 152
9004802	103	48 - 164	96	61 - 152
9004803	103	48 - 164	104	61 - 152
9004804	112	48 - 164	105	61 - 152
9004805	116	48 - 164	101	61 - 152
9004806	101	48 - 164	98	61 - 152
9004807	89	48 - 164	105	61 - 152
9004808	102	48 - 164	91	61 - 152
9004809	106	48 - 164	99	61 - 152
9004810	94	48 - 164	86	61 - 152
9004811	112	48 - 164	91	61 - 152
9004812	120	48 - 164	90	61 - 152
9004813	114	48 - 164	94	61 - 152
9004814	112	48 - 164	117	61 - 152
9004815	113	48 - 164	121	61 - 152
9004816	121	48 - 164	98	61 - 152
9004817	94	48 - 164	101	61 - 152
9004818 UNSPK	112	48 - 164	100	61 - 152
9004819 MS	110	48 - 164	101	61 - 152
9004820 MSD	107	48 - 164	95	61 - 152

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ATE53
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9004818 MS: 9004819 MSD: 9004820 **Analyte**	Batch: **171450004A** (Sample number(s): 9004801-9004820)								
	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	0.498 / 0.495	N.D.	0.542	0.519	109	105	80-121	4	50
PCB-1260	0.501 / 0.499	0.271	0.961	0.936	138 *	133 *	84-125	3	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: ATE53
Matrix: LIQUID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS11143 LCSD: LCSD11143	Batch: **171430011A** (Sample number(s): 9004800)							
Analyte	**Spike Added ug/l**	**LCS Conc ug/l**	**LCSD Conc ug/l**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	5.01	4.88	4.67	97	93	60-117	5	30
PCB-1260	5.04	5.26	4.67	104	93	57-134	12	30

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

SDG: ATE53
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS04145	Batch: **171450004A** (Sample number(s): 9004801-9004820)							
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	0.513	NA	102	NA	80-121	NA	NA
PCB-1260	0.504	0.551	NA	109	NA	84-125	NA	NA

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1711601

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.95	2.95	2.95	2.95	2.95	2.95	2.92	2.98
Decachlorobiphenyl	6.64	6.64	6.64	6.63	6.63	6.64	6.61	6.67

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1711601

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.42E+05	1.34E+05	1.39E+05	1.43E+05	1.40E+05	1.40E+05	2
Decachlorobiphenyl	1.14E+05	9.37E+04	9.40E+04	1.04E+05	9.24E+04	9.97E+04	9

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1711601

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.20	3.18	3.22	2744	2329	1	50.01	137247	11
					2349		2	100.02	234898	
					2281		3	200.04	456256	
					2196		4	500.1	1098147	
					2075		5	1000.2	2075330	
	2	3.42	3.40	3.44	2605	2210	1	50.01	130254	11
					2281		2	100.02	228118	
					2096		3	200.04	419215	
					2097		4	500.1	1048765	
					1974		5	1000.2	1974577	
	3	3.53	3.51	3.55	3263	2800	1	50.01	163191	10
					2763		2	100.02	276401	
					2754		3	200.04	550934	
					2678		4	500.1	1339253	
					2543		5	1000.2	2543272	
	4	3.75	3.73	3.77	3845	3402	1	50.01	192301	8
					3324		2	100.02	332492	
					3354		3	200.04	670860	
					3319		4	500.1	1659659	
					3170		5	1000.2	3170642	
	5	3.81	3.79	3.83	3481	3039	1	50.01	174073	8
					2963		2	100.02	296402	
					2952		3	200.04	590422	
					2943		4	500.1	1471728	
					2857		5	1000.2	2857406	
	6	4.00	3.98	4.02	2555	2145	1	50.01	127759	11
					2139		2	100.02	213983	
					2023		3	200.04	404757	
					2090		4	500.1	1044978	
					1917		5	1000.2	1916949	
Aroclor-1221	1	3.09	3.07	3.11	1134	1134	1	200.24	227157	0
	2	3.15	3.13	3.17	1041	1041	1	200.24	208523	0
	3	3.20	3.18	3.22	3187	3187	1	200.24	638197	0
Aroclor-1232	1	3.20	3.18	3.22	2848	2848	1	200.6	571287	0
	2	3.42	3.40	3.44	1056	1056	1	200.6	211882	0
	3	3.54	3.52	3.56	1390	1390	1	200.6	278767	0
	4	3.76	3.74	3.78	1704	1704	1	200.6	341867	0
	5	3.81	3.79	3.83	1418	1418	1	200.6	284438	0
	6	4.01	3.99	4.03	927	927	1	200.6	185961	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1711601

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.20	3.18	3.22	1976	1976	1	200.36	395986	0
	2	3.42	3.40	3.44	1833	1833	1	200.36	367334	0
	3	3.53	3.51	3.55	2338	2338	1	200.36	468454	0
	4	3.75	3.73	3.77	2833	2833	1	200.36	567716	0
	5	3.81	3.79	3.83	2430	2430	1	200.36	486802	0
	6	4.00	3.98	4.02	1784	1784	1	200.36	357454	0
Aroclor-1248	1	3.81	3.79	3.83	1992	1743	1	50.16	99929	12
					1909		2	100.32	191464	
					1630		3	200.64	326974	
					1674		4	501.6	839485	
					1510		5	1003.2	1514410	
	2	3.88	3.86	3.90	3150	2737	1	50.16	157996	12
					3059		2	100.32	306897	
					2529		3	200.64	507379	
					2535		4	501.6	1271324	
					2410		5	1003.2	2418095	
	3	4.00	3.98	4.02	3493	3165	1	50.16	175202	10
					3479		2	100.32	349033	
					2962		3	200.64	594382	
					3053		4	501.6	1531452	
					2836		5	1003.2	2844586	
	4	4.09	4.07	4.11	3027	2723	1	50.16	151810	9
					2953		2	100.32	296263	
					2497		3	200.64	500965	
					2645		4	501.6	1326735	
					2495		5	1003.2	2502560	
	5	4.27	4.25	4.29	2852	2710	1	50.16	143034	6
					2769		2	100.32	277771	
					2430		3	200.64	487537	
					2814		4	501.6	1411254	
					2686		5	1003.2	2694960	
	6	4.66	4.64	4.68	2572	2214	1	50.16	129029	12
					2437		2	100.32	244483	
					2084		3	200.64	418167	
					2032		4	501.6	1019302	
					1944		5	1003.2	1949762	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1711601

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.26	4.24	4.28	3124	2915	1	50.3	157116	7
					3099		2	100.6	311719	
					2859		3	251.5	719156	
					2807		4	503	1411910	
					2684		5	1006	2700546	
	2	4.60	4.58	4.62	3750	3459	1	50.3	188601	6
					3593		2	100.6	361456	
					3358		3	251.5	844623	
					3318		4	503	1668932	
					3279		5	1006	3298215	
	3	4.66	4.64	4.68	7475	6689	1	50.3	375994	8
					6994		2	100.6	703560	
					6491		3	251.5	1632588	
					6501		4	503	3269799	
					5985		5	1006	6021110	
	4	4.79	4.77	4.81	2512	2162	1	50.3	126332	12
					2347		2	100.6	236071	
					2089		3	251.5	525496	
					1915		4	503	963052	
					1946		5	1006	1957356	
	5	4.88	4.86	4.90	5371	4920	1	50.3	270183	7
					5119		2	100.6	514933	
					4792		3	251.5	1205207	
					4792		4	503	2410578	
					4525		5	1006	4552584	
	6	5.07	5.05	5.09	3936	3659	1	50.3	197988	5
					3771		2	100.6	379350	
					3512		3	251.5	883277	
					3457		4	503	1738884	
					3620		5	1006	3642189	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1711601

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.78	4.76	4.80	5511	4837	1	50.05	275828	8
					4792		2	100.1	479640	
					4634		3	200.2	927678	
					4754		4	500.5	2379337	
					4495		5	1001	4499349	
	2	5.07	5.05	5.09	3139	2803	1	50.05	157091	7
					2803		2	100.1	280617	
					2754		3	200.2	551284	
					2708		4	500.5	1355198	
					2609		5	1001	2612085	
	3	5.25	5.23	5.27	3799	3290	1	50.05	190135	9
					3313		2	100.1	331666	
					3201		3	200.2	640896	
					3117		4	500.5	1559884	
					3019		5	1001	3022334	
	4	5.42	5.40	5.44	4029	3585	1	50.05	201645	7
					3471		2	100.1	347404	
					3496		3	200.2	699881	
					3573		4	500.5	1788332	
					3356		5	1001	3359660	
	5	5.65	5.63	5.67	10669	9720	1	50.05	533998	6
					9144		2	100.1	915333	
					9261		3	200.2	1854117	
					9930		4	500.5	4970026	
					9594		5	1001	9603692	
	6	5.85	5.83	5.87	6472	5937	1	50.05	323917	6
					5644		2	100.1	564931	
					5813		3	200.2	1163676	
					6062		4	500.5	3034028	
					5693		5	1001	5698614	
Aroclor-1262	1	5.25	5.23	5.27	5871	5871	1	200.8	1178900	0
	2	5.42	5.40	5.44	5055	5055	1	200.8	1015100	0
	3	5.65	5.63	5.67	13033	13033	1	200.8	2616967	0
	4	5.85	5.83	5.87	7995	7995	1	200.8	1605369	0
	5	5.91	5.89	5.93	3665	3665	1	200.8	735876	0
	6	6.28	6.26	6.30	4731	4731	1	200.8	949964	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1711601

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.85	5.83	5.87	14117	14117	1	201	2837532	0
	2	5.91	5.89	5.93	12846	12846	1	201	2581956	0
	3	6.05	6.03	6.07	11930	11930	1	201	2397956	0
	4	6.11	6.09	6.13	3103	3103	1	201	623793	0
	5	6.28	6.26	6.30	5057	5057	1	201	1016396	0
	6	6.49	6.47	6.51	41523	41523	1	201	8346168	0

File Name: V:\CP25\25PCBS1711601.CAL
Version: 7

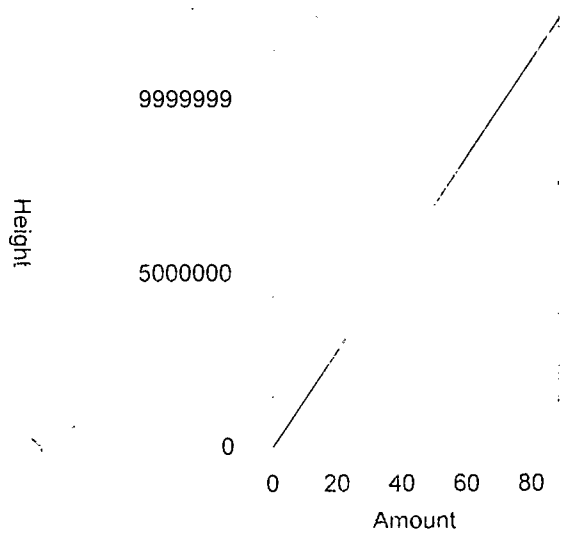
Creator:
Description:
Reason for change:

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: 2.945 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

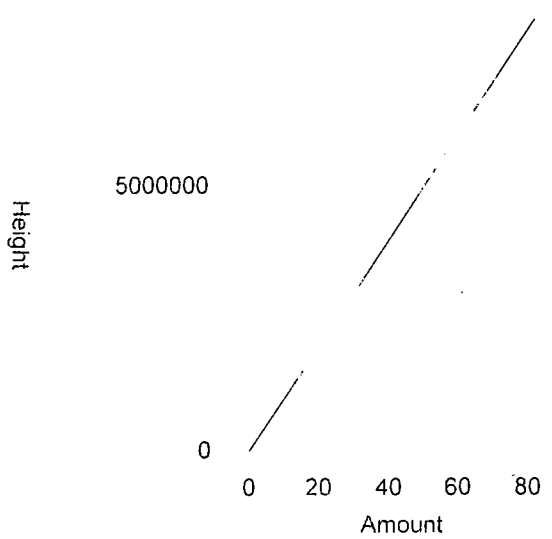
Single peak quantification by height

Y = 139774 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9994287
Average error: 1.659%
Average CF: 139774
RSD: 2.352%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	570418.1	142248.9	1.771	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.007.B1
2	20.04	2693565	134409.4	-3.838	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.008.B1
3	40.08	5584748	139340	-0.310	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.009.B1
4	60.92	8685794	142577.1	2.005	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.010.B1
5	80.16	1.124601E+07	140294.5	0.372	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.011.B1

2 DCB



Expected retention time:	6.635 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 = 99683.39 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9860451
Average error:	7.610%
Average CF:	99683.39
RSD:	9.445%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	458501.8	114339.6	14.703	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.007.BN
2	20.04	1877519	93688.57	-6.014	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.008.BN
3	40.08	3765898	93959.52	-5.742	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.009.BN
4	60.92	6335256	103993	4.323	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.010.BN
5	80.16	7409686	92436.2	-7.270	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.011.BN

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1711601B

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.62	2.62	2.62	2.62	2.62	2.62	2.59	2.65
Decachlorobiphenyl	6.13	6.13	6.13	6.13	6.13	6.13	6.10	6.16

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1711601B

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.77E+05	1.87E+05	1.94E+05	2.02E+05	1.92E+05	1.90E+05	5
Decachlorobiphenyl	2.61E+05	2.21E+05	2.30E+05	2.36E+05	2.30E+05	2.36E+05	6

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1711601B

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.91	2.89	2.93	3740	3275	1	50.01	187039	8
					3271		2	100.02	327207	
					3139		3	200.04	627991	
					3201		4	500.1	1600751	
					3022		5	1000.2	3022627	
	2	3.24	3.22	3.26	4831	4361	1	50.01	241595	7
					4295		2	100.02	429603	
					4250		3	200.04	850135	
					4387		4	500.1	2194127	
					4040		5	1000.2	4040465	
	3	3.43	3.41	3.45	5298	4929	1	50.01	264957	5
					4825		2	100.02	482583	
					4808		3	200.04	961811	
					5048		4	500.1	2524293	
					4667		5	1000.2	4668416	
	4	3.51	3.49	3.53	5388	5128	1	50.01	269433	3
					4972		2	100.02	497275	
					5004		3	200.04	1000944	
					5227		4	500.1	2614001	
					5051		5	1000.2	5051665	
	5	3.67	3.65	3.69	4640	4156	1	50.01	232043	7
					4132		2	100.02	413300	
					3921		3	200.04	784432	
					4228		4	500.1	2114367	
					3859		5	1000.2	3859676	
	6	3.76	3.74	3.78	4034	3797	1	50.01	201732	4
					3655		2	100.02	365623	
					3684		3	200.04	736975	
					3839		4	500.1	1919641	
					3775		5	1000.2	3775553	
Aroclor-1221	1	2.79	2.77	2.81	1699	1699	1	200.24	340243	0
	2	2.86	2.84	2.88	1049	1049	1	200.24	210110	0
	3	2.91	2.89	2.93	4431	4431	1	200.24	887228	0
Aroclor-1232	1	2.91	2.89	2.93	4095	4095	1	200.6	821522	0
	2	3.24	3.22	3.26	2058	2058	1	200.6	412778	0
	3	3.43	3.41	3.45	2212	2212	1	200.6	443703	0
	4	3.51	3.49	3.53	2284	2284	1	200.6	458225	0
	5	3.67	3.65	3.69	1759	1759	1	200.6	352889	0
	6	3.77	3.75	3.79	1756	1756	1	200.6	352231	0

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1711601B

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	2.91	2.89	2.93	2743	2743	1	200.36	549511	0
	2	3.24	3.22	3.26	3482	3482	1	200.36	697718	0
	3	3.43	3.41	3.45	3959	3959	1	200.36	793225	0
	4	3.51	3.49	3.53	4039	4039	1	200.36	809315	0
	5	3.67	3.65	3.69	3377	3377	1	200.36	676648	0
	6	3.76	3.74	3.78	3229	3229	1	200.36	647038	0
Aroclor-1248	1	3.43	3.41	3.45	2063	1971	1	50.16	103474	5
					1948		2	100.32	195450	
					1818		3	200.64	364830	
					1968		4	501.6	987072	
					2060		5	1003.2	2066409	
	2	3.54	3.52	3.56	5270	5036	1	50.16	264361	6
					5338		2	100.32	535504	
					4655		3	200.64	934041	
					5128		4	501.6	2572300	
					4790		5	1003.2	4805663	
	3	3.67	3.65	3.69	5989	6023	1	50.16	300428	5
					6469		2	100.32	649016	
					5636		3	200.64	1130774	
					6167		4	501.6	3093358	
					5856		5	1003.2	5874348	
	4	3.76	3.74	3.78	4717	4600	1	50.16	236585	5
					4765		2	100.32	478068	
					4285		3	200.64	859677	
					4757		4	501.6	2386070	
					4479		5	1003.2	4492910	
	5	3.90	3.88	3.92	9063	9251	1	50.16	454587	5
					9330		2	100.32	935955	
					8627		3	200.64	1730835	
					10024		4	501.6	5028161	
					9214		5	1003.2	9243298	
	6	4.26	4.24	4.28	4556	4382	1	50.16	228542	6
					4618		2	100.32	463314	
					3924		3	200.64	787379	
					4486		4	501.6	2250080	
					4326		5	1003.2	4340198	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1711601B

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.20	4.18	4.22	7967	7680	1	50.3	400736	3
					7675		2	100.6	772118	
					7699		3	251.5	1936379	
					7750		4	503	3898232	
					7310		5	1006	7354041	
	2	4.26	4.24	4.28	14151	14101	1	50.3	711782	2
					13919		2	100.6	1400221	
					14340		3	251.5	3606498	
					14309		4	503	7197296	
					13785		5	1006	13867230	
	3	4.35	4.33	4.37	6970	6474	1	50.3	350594	5
					6599		2	100.6	663870	
					6388		3	251.5	1606644	
					6313		4	503	3175556	
					6099		5	1006	6135689	
	4	4.42	4.40	4.44	9507	9428	1	50.3	478180	2
					9539		2	100.6	959628	
					9221		3	251.5	2319028	
					9285		4	503	4670518	
					9589		5	1006	9646209	
	5	4.49	4.47	4.51	5691	5228	1	50.3	286254	7
					5393		2	100.6	542513	
					5289		3	251.5	1330286	
					5029		4	503	2529463	
					4737		5	1006	4765321	
	6	4.64	4.62	4.66	6767	6877	1	50.3	340364	3
					6817		2	100.6	685802	
					6658		3	251.5	1674538	
					7227		4	503	3635116	
					6918		5	1006	6959700	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1711601B

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.35	4.33	4.37	11227	10501	1	50.05	561898	5
					9765		2	100.1	977510	
					10214		3	200.2	2044882	
					10781		4	500.5	5395685	
					10518		5	1001	10528420	
	2	4.49	4.47	4.51	12677	12029	1	50.05	634489	4
					11555		2	100.1	1156651	
					11870		3	200.2	2376417	
					12286		4	500.5	6149306	
					11755		5	1001	11766620	
	3	4.59	4.57	4.61	10625	10326	1	50.05	531772	3
					9943		2	100.1	995262	
					10051		3	200.2	2012222	
					10677		4	500.5	5344055	
					10333		5	1001	10343460	
	4	4.94	4.92	4.96	8659	8273	1	50.05	433398	4
					7907		2	100.1	791451	
					8115		3	200.2	1624706	
					8523		4	500.5	4265864	
					8162		5	1001	8170100	
	5	5.13	5.11	5.15	20272	20403	1	50.05	1014630	7
					18583		2	100.1	1860200	
					19572		3	200.2	3918282	
					21981		4	500.5	11001540	
					21604		5	1001	21625850	
	6	5.39	5.37	5.41	12284	12238	1	50.05	614824	11
					10201		2	100.1	1021071	
					12858		3	200.2	2574270	
					11961		4	500.5	5986446	
					13885		5	1001	13899230	
Aroclor-1262	1	4.75	4.73	4.77	13223	13223	1	200.8	2655234	0
	2	4.94	4.92	4.96	13077	13077	1	200.8	2625957	0
	3	5.13	5.11	5.15	27366	27366	1	200.8	5495144	0
	4	5.35	5.33	5.37	10290	10290	1	200.8	2066216	0
	5	5.39	5.37	5.41	17862	17862	1	200.8	3586774	0
	6	5.77	5.75	5.79	10259	10259	1	200.8	2059958	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1711601B

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

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.35	5.33	5.37	32507	32507	1	201	6533992	0
	2	5.39	5.37	5.41	31614	31614	1	201	6354480	0
	3	5.55	5.53	5.57	27505	27505	1	201	5528464	0
	4	5.61	5.59	5.63	6773	6773	1	201	1361341	0
	5	5.77	5.75	5.79	11456	11456	1	201	2302684	0
	6	5.97	5.95	5.99	97671	97671	1	201	19631940	0

File Name: V:\CP25\25PCBS1711601b.CAL
Version: 8

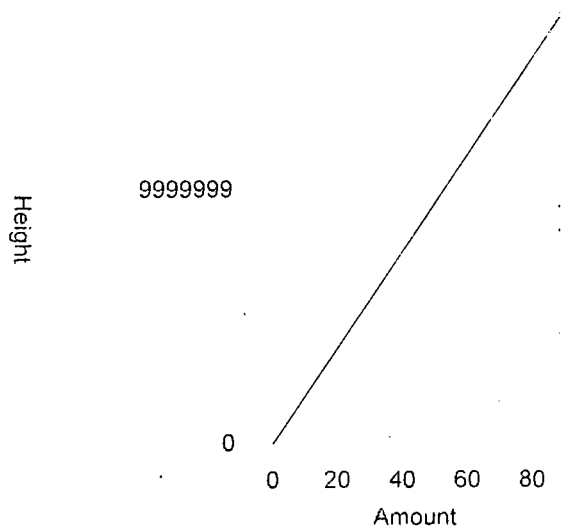
Creator:
Description:
Reason for change:

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: 2.621 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

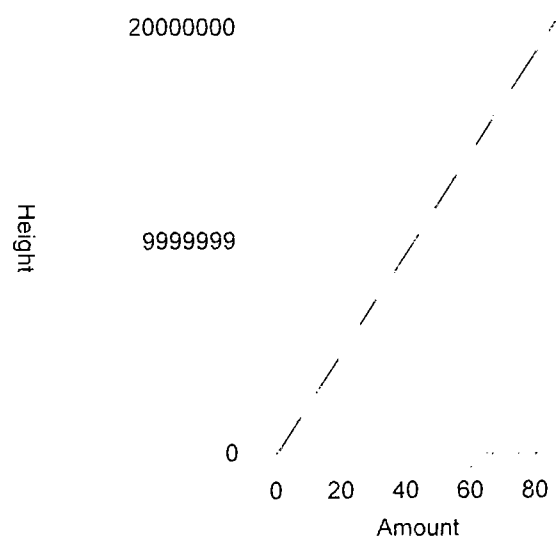
Single peak quantification by height

Y = 190427.7 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.996327
Average error: 3.578%
Average CF: 190427.7
RSD: 4.904%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	708303.4	176634.3	-7.243	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.007.I
2	20.04	3751281	187189.7	-1.700	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.008.I
3	40.08	7793176	194440.5	2.107	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.009.I
4	60.92	1.229355E+07	201798.3	5.971	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.010.I
5	80.16	1.539681E+07	192076	0.866	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.011.I

2 DCB



Expected retention time:	6.13 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 = 235730.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9983557
Average error:	4.371%
Average CF:	235730.8
RSD:	6.381%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	1045903	260823.7	10.645	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(
2	20.04	4432207	221168	-6.178	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(
3	40.08	9210380	229799.9	-2.516	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(
4	60.92	1.440147E+07	236399.7	0.284	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(
5	80.16	1.847388E+07	230462.6	-2.235	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.92	2.92	2.92	2.92	2.92	2.92	2.89	2.95
Decachlorobiphenyl	6.61	6.61	6.61	6.61	6.61	6.61	6.58	6.64

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.10E+05	1.13E+05	1.14E+05	1.16E+05	1.16E+05	1.14E+05	2
Decachlorobiphenyl	7.29E+04	6.92E+04	6.43E+04	6.84E+04	6.93E+04	6.88E+04	4

Average % RSD: 3

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.18	3.16	3.20	2306	2052	1	50.01	115327	9
					2149		2	100.02	214919	
					2049		3	200.04	409975	
					1904		4	500.1	952439	
					1851		5	1000.2	1850936	
	2	3.39	3.37	3.41	2406	2095	1	50.01	120312	10
					2147		2	100.02	214700	
					2084		3	200.04	416894	
					1887		4	500.1	943890	
					1952		5	1000.2	1952608	
	3	3.51	3.49	3.53	2634	2359	1	50.01	131734	8
					2422		2	100.02	242210	
					2378		3	200.04	475744	
					2245		4	500.1	1122490	
					2116		5	1000.2	2116157	
	4	3.73	3.71	3.75	2832	2613	1	50.01	141614	6
					2692		2	100.02	269286	
					2499		3	200.04	499852	
					2565		4	500.1	1282676	
					2480		5	1000.2	2480108	
	5	3.78	3.76	3.80	2304	2138	1	50.01	115235	5
					2063		2	100.02	206316	
					2097		3	200.04	419475	
					2146		4	500.1	1073439	
					2078		5	1000.2	2078035	
	6	3.98	3.96	4.00	1862	1714	1	50.01	93099	6
					1749		2	100.02	174917	
					1695		3	200.04	339155	
					1625		4	500.1	812490	
					1639		5	1000.2	1639692	
Aroclor-1221	1	3.08	3.06	3.10	983	983	1	200.1	196682	0
	2	3.13	3.11	3.15	850	850	1	200.1	170034	0
	3	3.18	3.16	3.20	2745	2745	1	200.1	549305	0
Aroclor-1232	1	3.18	3.16	3.20	2462	2462	1	200.6	493963	0
	2	3.40	3.38	3.42	991	991	1	200.6	198764	0
	3	3.51	3.49	3.53	1087	1087	1	200.6	218093	0
	4	3.73	3.71	3.75	1179	1179	1	200.6	236587	0
	5	3.79	3.77	3.81	925	925	1	200.6	185481	0
	6	3.98	3.96	4.00	715	715	1	200.6	143380	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.18	3.16	3.20	1758	1758	1	200	351560	0
	2	3.40	3.38	3.42	1736	1736	1	200	347157	0
	3	3.51	3.49	3.53	1901	1901	1	200	380135	0
	4	3.73	3.71	3.75	2138	2138	1	200	427632	0
	5	3.79	3.77	3.81	1674	1674	1	200	334814	0
	6	3.98	3.96	4.00	1369	1369	1	200	273708	0
Aroclor-1248	1	3.78	3.76	3.80	1282	1161	1	50.16	64312	6
					1183		2	100.32	118635	
					1125		3	200.64	225668	
					1116		4	501.6	559879	
					1097		5	1003.2	1100756	
	2	3.85	3.83	3.87	2405	2111	1	50.16	120639	10
					2249		2	100.32	225584	
					2048		3	200.64	411007	
					1936		4	501.6	971043	
					1915		5	1003.2	1921107	
	3	3.98	3.96	4.00	2682	2486	1	50.16	134537	7
					2635		2	100.32	264307	
					2430		3	200.64	487480	
					2304		4	501.6	1155522	
					2378		5	1003.2	2385746	
	4	4.07	4.05	4.09	2214	2066	1	50.16	111038	5
					2147		2	100.32	215342	
					2007		3	200.64	402590	
					2002		4	501.6	1004437	
					1962		5	1003.2	1968562	
	5	4.25	4.23	4.27	2508	2448	1	50.16	125818	3
					2554		2	100.32	256218	
					2351		3	200.64	471790	
					2445		4	501.6	1226616	
					2380		5	1003.2	2387278	
	6	4.63	4.61	4.65	1934	1794	1	50.16	96997	5
					1829		2	100.32	183459	
					1776		3	200.64	356304	
					1712		4	501.6	858936	
					1721		5	1003.2	1726522	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.23	4.21	4.25	3160	2886	1	50.3	158940	7
					3033		2	100.6	305110	
					2743		3	251.5	689965	
					2779		4	503	1397875	
					2715		5	1006	2731089	
	2	4.57	4.55	4.59	3132	2900	1	50.3	157523	5
					2830		2	100.6	284736	
					2729		3	251.5	686384	
					2891		4	503	1454115	
					2920		5	1006	2937191	
	3	4.63	4.61	4.65	6023	5858	1	50.3	302959	2
					5927		2	100.6	596274	
					5739		3	251.5	1443245	
					5825		4	503	2930175	
					5775		5	1006	5809577	
	4	4.75	4.73	4.77	1973	1758	1	50.3	99229	8
					1826		2	100.6	183692	
					1652		3	251.5	415415	
					1688		4	503	849024	
					1653		5	1006	1662863	
	5	4.85	4.83	4.87	4050	3871	1	50.3	203718	3
					3913		2	100.6	393671	
					3754		3	251.5	944204	
					3728		4	503	1875048	
					3910		5	1006	3933572	
	6	5.16	5.14	5.18	4097	3976	1	50.3	206064	2
					3959		2	100.6	398325	
					3832		3	251.5	963852	
					3979		4	503	2001599	
					4015		5	1006	4038610	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.75	4.73	4.77	4426	4191	1	50.05	221540	3
					4127		2	100.1	413142	
					4175		3	200.2	835899	
					4139		4	500.5	2071612	
					4086		5	1001	4090584	
	2	5.05	5.03	5.07	2343	2316	1	50.05	117261	1
					2319		2	100.1	232102	
					2267		3	200.2	453871	
					2315		4	500.5	1158517	
					2335		5	1001	2337167	
	3	5.22	5.20	5.24	2873	2711	1	50.05	143814	5
					2785		2	100.1	278765	
					2740		3	200.2	548490	
					2619		4	500.5	1310605	
					2540		5	1001	2543038	
	4	5.39	5.37	5.41	3345	3094	1	50.05	167397	8
					2812		2	100.1	281443	
					3269		3	200.2	654544	
					3228		4	500.5	1615414	
					2815		5	1001	2818184	
	5	5.63	5.61	5.65	7610	7500	1	50.05	380872	4
					6993		2	100.1	700029	
					7571		3	200.2	1515702	
					7688		4	500.5	3847696	
					7636		5	1001	7643374	
	6	5.84	5.82	5.86	4241	4213	1	50.05	212271	2
					4252		2	100.1	425595	
					4283		3	200.2	857403	
					4100		4	500.5	2051991	
					4189		5	1001	4193396	
Aroclor-1262	1	5.23	5.21	5.25	4992	4992	1	200.8	1002432	0
	2	5.39	5.37	5.41	4033	4033	1	200.8	809822	0
	3	5.63	5.61	5.65	9748	9748	1	200.8	1957322	0
	4	5.83	5.81	5.85	5387	5387	1	200.8	1081708	0
	5	5.89	5.87	5.91	2669	2669	1	200.8	535861	0
	6	6.27	6.25	6.29	3247	3247	1	200.8	651921	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.83	5.81	5.85	11979	11979	1	201	2407763	0
	2	5.89	5.87	5.91	10452	10452	1	201	2100808	0
	3	6.02	6.00	6.04	9746	9746	1	201	1958924	0
	4	6.09	6.07	6.11	2234	2234	1	201	449104	0
	5	6.27	6.25	6.29	4026	4026	1	201	809132	0
	6	6.47	6.45	6.49	31503	31503	1	201	6332050	0

File Name: V:\CP20\20pcbs1713701.CAL
Version: 7

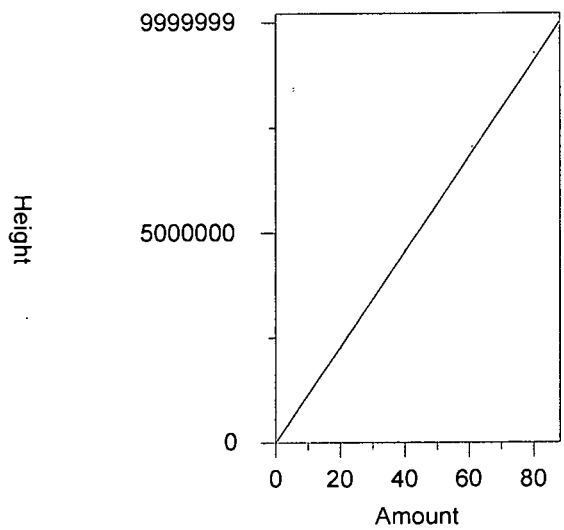
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.923 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

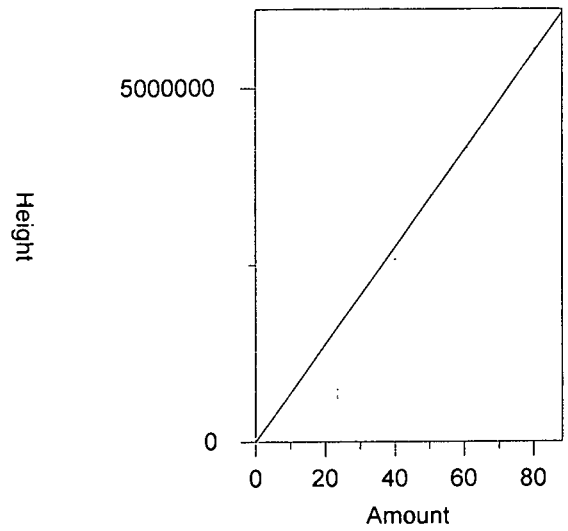
Single peak quantification by height

Y = 113640.5 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9990097
Average error: 1.793%
Average CF: 113640.5
RSD: 2.329%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	439163.3	109517	-3.629	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.007.BNC
2	20.04	2257924	112670.9	-0.853	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.008.BNC
3	40.08	4583477	114358.2	0.632	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.009.BNC
4	60.92	7055128	115809.7	1.909	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.010.BNC
5	80.16	9286271	115846.7	1.941	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.011.BNC

2 DCB



Expected retention time:	6.609 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 68816.38 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9979855
Average error:	2.906%
Average CF:	68816.38
RSD:	4.470%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	292285.8	72889.23	5.918	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.00
2	20.04	1387708	69246.91	0.626	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.00
3	40.08	2576136	64274.85	-6.599	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.00
4	60.92	4164353	68357.73	-0.666	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.01
5	80.16	5556144	69313.17	0.722	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.01

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.62	2.62	2.62	2.62	2.62	2.62	2.59	2.65
Decachlorobiphenyl	6.11	6.11	6.11	6.11	6.11	6.11	6.08	6.14

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	6.59E+05	6.78E+05	7.07E+05	7.07E+05	7.06E+05	6.91E+05	3
Decachlorobiphenyl	5.13E+05	4.93E+05	4.78E+05	4.79E+05	4.74E+05	4.87E+05	3

Average % RSD: 3

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.90	2.88	2.92	12697	11308	1	50.01	634997	9
					11782		2	100.02	1178404	
					11258		3	200.04	2252085	
					10688		4	500.1	5345188	
					10113		5	1000.2	10114640	
	2	3.23	3.21	3.25	15601	14052	1	50.01	780216	8
					14579		2	100.02	1458177	
					13945		3	200.04	2789487	
					13376		4	500.1	6689352	
					12760		5	1000.2	12762260	
	3	3.42	3.40	3.44	15040	14120	1	50.01	752133	5
					14220		2	100.02	1422333	
					14267		3	200.04	2853916	
					13250		4	500.1	6626458	
					13823		5	1000.2	13825460	
	4	3.49	3.47	3.51	17197	16698	1	50.01	860044	3
					16884		2	100.02	1688703	
					16943		3	200.04	3389307	
					15981		4	500.1	7991920	
					16486		5	1000.2	16489420	
	5	3.65	3.63	3.67	15163	14030	1	50.01	758311	6
					14372		2	100.02	1437489	
					14028		3	200.04	2806160	
					13612		4	500.1	6807312	
					12973		5	1000.2	12975370	
	6	3.74	3.72	3.76	12742	12022	1	50.01	637243	4
					12267		2	100.02	1226975	
					11884		3	200.04	2377296	
					11676		4	500.1	5839000	
					11540		5	1000.2	11542480	
Aroclor-1221	1	2.79	2.77	2.81	5968	5968	1	200.1	1194106	0
	2	2.85	2.83	2.87	3679	3679	1	200.1	736099	0
	3	2.90	2.88	2.92	15260	15260	1	200.1	3053589	0
Aroclor-1232	1	2.90	2.88	2.92	13815	13815	1	200.6	2771218	0
	2	3.23	3.21	3.25	6677	6677	1	200.6	1339343	0
	3	3.42	3.40	3.44	5973	5973	1	200.6	1198255	0
	4	3.49	3.47	3.51	7339	7339	1	200.6	1472147	0
	5	3.68	3.66	3.70	2004	2004	1	200.6	402038	0
	6	3.75	3.73	3.77	5254	5254	1	200.6	1054047	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	2.90	2.88	2.92	9723	9723	1	200	1944532	0
	2	3.23	3.21	3.25	11612	11612	1	200	2322300	0
	3	3.42	3.40	3.44	11419	11419	1	200	2283706	0
	4	3.49	3.47	3.51	13050	13050	1	200	2610073	0
	5	3.66	3.64	3.68	10745	10745	1	200	2148996	0
	6	3.75	3.73	3.77	9625	9625	1	200	1924911	0
Aroclor-1248	1	3.42	3.40	3.44	6114	5569	1	50.16	306693	9
					5944		2	100.32	596263	
					5630		3	200.64	1129540	
					4881		4	501.6	2448493	
					5276		5	1003.2	5292533	
	2	3.53	3.51	3.55	17248	15707	1	50.16	865156	7
					15984		2	100.32	1603513	
					15904		3	200.64	3190942	
					14927		4	501.6	7487300	
					14471		5	1003.2	14516990	
	3	3.65	3.63	3.67	21134	19623	1	50.16	1060079	6
					20336		2	100.32	2040152	
					19443		3	200.64	3901099	
					18952		4	501.6	9506378	
					18251		5	1003.2	18309420	
	4	3.74	3.72	3.76	14897	14169	1	50.16	747212	4
					14415		2	100.32	1446082	
					13940		3	200.64	2796950	
					14002		4	501.6	7023268	
					13594		5	1003.2	13637050	
	5	3.88	3.86	3.90	28043	26838	1	50.16	1406614	3
					27418		2	100.32	2750550	
					26688		3	200.64	5354666	
					26132		4	501.6	13107570	
					25910		5	1003.2	25993180	
	6	4.24	4.22	4.26	12708	11866	1	50.16	637437	6
					12266		2	100.32	1230562	
					11833		3	200.64	2374166	
					11589		4	501.6	5812918	
					10934		5	1003.2	10969450	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.18	4.16	4.20	21640	20906	1	50.3	1088486	4
					21189		2	100.6	2131657	
					19723		3	251.5	4960347	
					20502		4	503	10312280	
					21475		5	1006	21603490	
	2	4.24	4.22	4.26	39358	37094	1	50.3	1979718	4
					37156		2	100.6	3737878	
					35247		3	251.5	8864505	
					36757		4	503	18488900	
					36953		5	1006	37174280	
	3	4.33	4.31	4.35	18912	17256	1	50.3	951254	6
					17592		2	100.6	1769741	
					16589		3	251.5	4172151	
					16648		4	503	8373806	
					16538		5	1006	16637400	
	4	4.40	4.38	4.42	26081	24936	1	50.3	1311884	3
					24554		2	100.6	2470128	
					23888		3	251.5	6007734	
					25160		4	503	12655280	
					24997		5	1006	25147190	
	5	4.46	4.44	4.48	16107	14360	1	50.3	810169	7
					14494		2	100.6	1458073	
					13670		3	251.5	3438030	
					13779		4	503	6931070	
					13749		5	1006	13831460	
	6	4.62	4.60	4.64	17518	17494	1	50.3	881164	3
					16723		2	100.6	1682300	
					17139		3	251.5	4310358	
					18236		4	503	9172670	
					17855		5	1006	17962290	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.33	4.31	4.35	29544	28234	1	50.05	1478677	3
					28490		2	100.1	2851820	
					27854		3	200.2	5576324	
					28212		4	500.5	14120120	
					27069		5	1001	27096230	
	2	4.46	4.44	4.48	34749	33295	1	50.05	1739197	3
					32298		2	100.1	3233009	
					33532		3	200.2	6713137	
					32974		4	500.5	16503720	
					32921		5	1001	32954410	
	3	4.57	4.55	4.59	27188	26788	1	50.05	1360754	1
					26586		2	100.1	2661244	
					26373		3	200.2	5279960	
					27218		4	500.5	13622760	
					26575		5	1001	26601510	
	4	4.92	4.90	4.94	21623	20591	1	50.05	1082249	3
					20745		2	100.1	2076618	
					19976		3	200.2	3999104	
					19960		4	500.5	9989858	
					20653		5	1001	20673490	
	5	5.11	5.09	5.13	46103	46730	1	50.05	2307434	3
					45013		2	100.1	4505800	
					48156		3	200.2	9640877	
					47069		4	500.5	23558250	
					47308		5	1001	47355350	
	6	5.37	5.35	5.39	30488	31260	1	50.05	1525920	3
					32319		2	100.1	3235155	
					32121		3	200.2	6430639	
					29795		4	500.5	14912590	
					31578		5	1001	31609230	
Aroclor-1262	1	4.73	4.71	4.75	32412	32412	1	200.8	6508424	0
	2	4.92	4.90	4.94	32242	32242	1	200.8	6474238	0
	3	5.11	5.09	5.13	61328	61328	1	200.8	12314600	0
	4	5.33	5.31	5.35	25412	25412	1	200.8	5102818	0
	5	5.37	5.35	5.39	40904	40904	1	200.8	8213507	0
	6	5.75	5.73	5.77	22137	22137	1	200.8	4445078	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.33	5.31	5.35	82763	82763	1	201	16635460	0
	2	5.37	5.35	5.39	83795	83795	1	201	16842710	0
	3	5.53	5.51	5.55	71989	71989	1	201	14469800	0
	4	5.59	5.57	5.61	17405	17405	1	201	3498455	0
	5	5.75	5.73	5.77	28206	28206	1	201	5669354	0
	6	5.95	5.93	5.97	214367	214367	1	201	43087670	0

File Name: V:\CP20\20pcbs1713701b.CAL
Version: 7

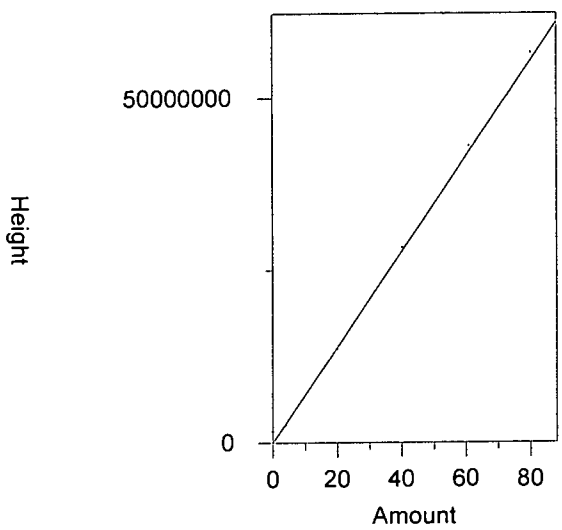
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.616 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

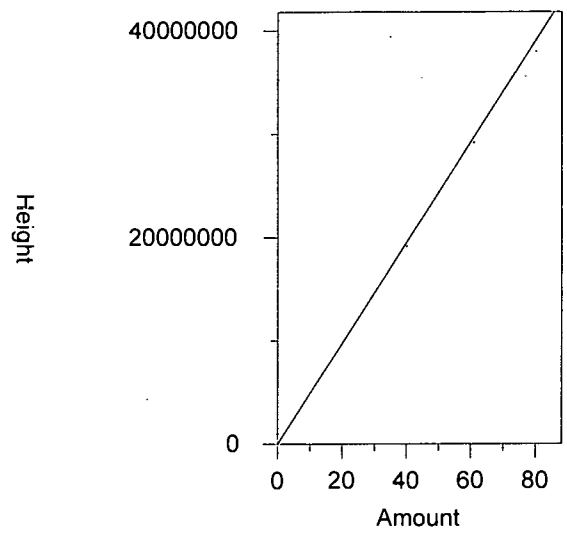
Single peak quantification by height

Y = 691308.8 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9985253
Average error: 2.688%
Average CF: 691308.8
RSD: 3.220%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	2640776	658547.6	-4.739	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.00
2	20.04	1.357936E+07	677612.8	-1.981	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.00
3	40.08	2.834864E+07	707301.4	2.313	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.00
4	60.92	4.309731E+07	707441.1	2.334	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.01
5	80.16	5.65642E+07	705641.2	2.073	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.01

2 DCB



Expected retention time:	6.108 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 487178.5 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9980877
Average error:	2.557%
Average CF:	487178.5
RSD:	3.294%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	2056760	512907.7	5.281	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700
2	20.04	9871559	492592.8	1.111	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700
3	40.08	1.915147E+07	477831.1	-1.919	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700
4	60.92	2.917417E+07	478893.2	-1.701	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700
5	80.16	3.796923E+07	473668	-2.773	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 04/26/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 18:58

Lab File ID: 25PCBS17116001.029.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: IC16XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	40.95	40.08	2
Decachlorobiphenyl	6.63	6.61	6.67	40.08	40.08	0
Aroclor-1016	3.20	3.18	3.22	201.41	201.00	0
	3.41	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.80	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	196.55	201.80	-3
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 1

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 04/26/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 18:58

Lab File ID: 25PCBS17116001B.029.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: IC16XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	40.10	40.08	0
Decachlorobiphenyl	6.13	6.10	6.16	39.73	40.08	-1
Aroclor-1016	2.91	2.89	2.93	194.85	201.00	-3
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.50	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	193.05	201.80	-4
	4.48	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 2

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 04/26/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 19:10

Lab File ID: 25PCBS17116001.030.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: IC48XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	41.88	40.08	4
Decachlorobiphenyl	6.63	6.61	6.67	40.00	40.08	0
Aroclor-1248	3.81	3.79	3.83	202.31	200.00	1
	3.88	3.86	3.90			
	4.00	3.98	4.02			
	4.09	4.07	4.11			
	4.29	4.25	4.29			
	4.66	4.64	4.68			

Compounds 8 Average of %D: 2

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 04/26/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 19:10

Lab File ID: 25PCBS17116001B.030.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: IC48XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	40.06	40.08	0
Decachlorobiphenyl	6.13	6.10	6.16	38.16	40.08	-5
Aroclor-1248	3.43	3.41	3.45	195.71	200.00	-2
	3.54	3.52	3.56			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
	3.89	3.88	3.92			
	4.26	4.24	4.28			

Compounds 8 Average of %D: 2

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 04/26/17

GC Column (1) : MR-1 ID: .32 (mm) . Time Analyzed: 19:21

Lab File ID: 25PCBS17116001.031.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: IC54XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.95	2.92	2.98	19.55	20.00	-2
Decachlorobiphenyl	6.64	6.61	6.67	19.64	20.12	-2
Aroclor-1254	4.26	4.24	4.28	225.58	250.00	-10
	4.60	4.58	4.62			
	4.66	4.64	4.68			
	4.79	4.77	4.81			
	4.87	4.86	4.90			
	5.07	5.05	5.09			

Compounds 8 Average of %D: 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 04/26/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 19:21

Lab File ID: 25PCBS17116001B.031.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: IC54XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	19.29	20.00	-4
Decachlorobiphenyl	6.13	6.10	6.16	19.80	20.12	-2
Aroclor-1254	4.20	4.18	4.22	225.56	250.00	-10
	4.26	4.24	4.28			
	4.35	4.33	4.37			
	4.42	4.40	4.44			
	4.49	4.47	4.51			
	4.64	4.62	4.66			

Compounds 8 Average of %D: 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 21:52

Lab File ID: 20PCBS17137001.029.RAW Initial Calibration: 20PCBS1713701

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

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	40.05	40.08	0
Decachlorobiphenyl	6.62	6.58	6.64	36.85	40.08	-8
Aroclor-1016	3.18	3.16	3.20	203.20	201.00	1
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	191.43	201.80	-5
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 21:52

Lab File ID: 20PCBS17137001B.029.RAW Initial Calibration: 20PCBS1713701B

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

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	41.22	40.08	3
Decachlorobiphenyl	6.11	6.08	6.14	36.08	40.08	-10
Aroclor-1016	2.90	2.88	2.92	200.28	201.00	0
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.66	3.63	3.67			
	3.75	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	196.86	201.80	-2
	4.47	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 22:03

Lab File ID: 20PCBS17137001.030.RAW Initial Calibration: 20PCBS1713701

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

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	41.10	40.08	3
Decachlorobiphenyl	6.61	6.58	6.64	37.77	40.08	-6
Aroclor-1248	3.79	3.76	3.80	203.00	200.00	1
	3.86	3.83	3.87			
	3.98	3.96	4.00			
	4.07	4.05	4.09			
	4.25	4.23	4.27			
	4.64	4.61	4.65			

Compounds 8 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 22:03

Lab File ID: 20PCBS17137001B.030.RAW Initial Calibration: 20PCBS1713701B

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

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	41.77	40.08	4
Decachlorobiphenyl	6.11	6.08	6.14	37.97	40.08	-5
Aroclor-1248	3.42	3.40	3.44	206.77	200.00	3
	3.53	3.51	3.55			
	3.66	3.63	3.67			
	3.75	3.72	3.76			
	3.88	3.86	3.90			
	4.24	4.22	4.26			

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 22:15

Lab File ID: 20PCBS17137001.031.RAW Initial Calibration: 20PCBS1713701

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

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	20.11	20.00	1
Decachlorobiphenyl	6.61	6.58	6.64	18.42	20.12	-8
Aroclor-1254	4.23	4.21	4.25	237.50	250.00	-5
	4.57	4.55	4.59			
	4.64	4.61	4.65			
	4.76	4.73	4.77			
	4.85	4.83	4.87			
	5.17	5.14	5.18			

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 22:15

Lab File ID: 20PCBS17137001B.031.RAW Initial Calibration: 20PCBS1713701B

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

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	20.63	20.00	3
Decachlorobiphenyl	6.11	6.08	6.14	18.24	20.12	-9
Aroclor-1254	4.18	4.16	4.20	239.96	250.00	-4
	4.24	4.22	4.26			
	4.33	4.31	4.35			
	4.40	4.38	4.42			
	4.47	4.44	4.48			
	4.62	4.60	4.64			

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 05/26/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 15:05

Lab File ID: 25PCBS17116021.005.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163FO Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	40.26	40.08	0
Decachlorobiphenyl	6.64	6.61	6.67	40.51	40.08	1
Aroclor-1016	3.20	3.18	3.22	197.42	200.04	-1
	3.42	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.81	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.79	4.76	4.80	195.55	200.20	-2
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 1

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 05/26/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 15:05

Lab File ID: 25PCBS17116021B.005.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163FO Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	41.94	40.08	5
Decachlorobiphenyl	6.13	6.10	6.16	42.89	40.08	7
Aroclor-1016	2.91	2.89	2.93	208.72	200.04	4
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	206.59	200.20	3
	4.49	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKAD Sample ID: AD **Batchnumber: 1714599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 26, 2017 15:16:36
Instrument : CP25--18274A
Result file : 25PCBS17116021.006.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**62.29**	
3.40	3.43	3.44	395.1234	0.001788			2
3.51	3.52	3.55	1618.859	0.005781			3
+ 3.51	3.54	3.55	908.0968	0.003243			3
3.73	3.75	3.77	534.2192	0.00157			4
3.79	3.80	3.83	1010.401	0.003325			5
Height Summation:			**3558.6026**				
Amount Avg CF:			**0.003116**	Linear:			
Aroclor-1221					**2**	**137.42**	
3.07	3.09	3.11	600.8432	0.005296			1
+ 3.07	3.11	3.11	508.96	0.004487			1
3.13	3.14	3.17	38437.93	0.369111			2
Height Summation:			**39038.7732**				
Amount Avg CF:			**0.187204**	Linear:			
Aroclor-1232					**4**	**60.94**	
3.40	3.43	3.44	395.1234	0.003741			2
3.52	3.52	3.56	1618.859	0.011649			3
+ 3.52	3.54	3.56	908.0968	0.006535			3
3.74	3.75	3.78	534.2192	0.003135			4
3.79	3.80	3.83	1010.401	0.007126			5
Height Summation:			**3558.6026**				
Amount Avg CF:			**0.006413**	Linear:			
Aroclor-1242					**4**	**61.57**	
3.40	3.43	3.44	395.1234	0.002155			2
3.51	3.52	3.55	1618.859	0.006924			3
+ 3.51	3.54	3.55	908.0968	0.003884			3
3.73	3.75	3.77	534.2192	0.001885			4
3.79	3.80	3.83	1010.401	0.004159			5
Height Summation:			**3558.6026**				
Amount Avg CF:			**0.003781**	Linear:			
Aroclor-1248					**3**	**78.54**	
3.79	3.80	3.83	1010.401	0.005798			1
3.86	3.88	3.90	1841.057	0.006728			2
4.64	4.66	4.68	4829.267	0.021814			6
Height Summation:			**7680.725**				
Amount Avg CF:			**0.011447**	Linear:			
Aroclor-1254					**4**	**58.76**	
4.58	4.61	4.62	1851.41	0.005352			2
4.64	4.66	4.68	4829.267	0.00722			3
4.86	4.87	4.89	509.47	0.001036			5
5.05	5.07	5.09	1496.346	0.004089			6
Height Summation:			**8686.493**				
Amount Avg CF:			**0.004424**	Linear:			
Aroclor-1260					**3**	**104.73**	
5.05	5.07	5.09	1496.346	0.005339			2
5.63	5.65	5.67	473.0292	0.000487			5
+ 5.83	5.84	5.87	510.5954	0.00086			6
5.83	5.85	5.87	893.0927	0.001504			6
Height Summation:			**2862.4679**				
Amount Avg CF:			**0.002443**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 15:16:36
Instrument : CP25--18274B
Result file : 25PCBS17116021B.006.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**74.49**	
3.41	3.42	3.45	5076.015	0.010298			3
+ 3.41	3.45	3.45	1896.937	0.003848			3
+ 3.49	3.49	3.53	1508.696	0.002942			4
3.49	3.52	3.53	2132.128	0.004158			4
3.65	3.68	3.69	10653.34	0.025633			5
3.74	3.76	3.78	3608.025	0.009501			6
Height Summation:			**21469.508**				
Amount Avg CF:			**0.012398**	Linear:			
Aroclor-1221					**1**		
2.84	2.84	2.88	49515.14	0.471891			2
Height Summation:			**49515.14**				
Amount Avg CF:			**0.471891**	Linear:			
Aroclor-1232					**4**	**78.59**	
3.41	3.42	3.45	5076.015	0.022949			3
+ 3.41	3.45	3.45	1896.937	0.008576			3
+ 3.49	3.49	3.53	1508.696	0.006605			4
3.49	3.52	3.53	2132.128	0.009334			4
3.65	3.68	3.69	10653.34	0.060559			5
3.75	3.76	3.79	3608.025	0.020548			6
Height Summation:			**21469.508**				
Amount Avg CF:			**0.028347**	Linear:			
Aroclor-1242					**4**	**74.75**	
3.41	3.42	3.45	5076.015	0.012821			3
+ 3.41	3.45	3.45	1896.937	0.004791			3
+ 3.49	3.49	3.53	1508.696	0.003735			4
3.49	3.52	3.53	2132.128	0.005278			4
3.65	3.68	3.69	10653.34	0.031545			5
3.74	3.76	3.78	3608.025	0.011173			6
Height Summation:			**21469.508**				
Amount Avg CF:			**0.015204**	Linear:			
Aroclor-1248					**6**	**75.35**	
3.41	3.42	3.45	5076.015	0.025748			1
+ 3.41	3.45	3.45	1896.937	0.009622			1
3.52	3.52	3.56	2132.128	0.004233			2
3.65	3.68	3.69	10653.34	0.017686			3
3.74	3.76	3.78	3608.025	0.007843			4
3.88	3.91	3.92	8464.463	0.009149			5
4.24	4.25	4.28	1710.292	0.003903			6
Height Summation:			**31644.263**				
Amount Avg CF:			**0.011427**	Linear:			
Aroclor-1254					**1**		
4.24	4.25	4.28	1710.292	0.001213			2
Height Summation:			**1710.292**				
Amount Avg CF:			**0.001213**	Linear:			
Aroclor-1260					**1**		
4.92	4.95	4.96	1433.524	0.001733			4
Height Summation:			**1433.524**				
Amount Avg CF:			**0.001733**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKAD Sample ID: AD **Batchnumber: 1714599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 26, 2017 15:16:36
Instrument : CP25--18274A
Result file : 25PCBS17116021.006.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**40.42**	
5.63	5.65	5.67	473.0292	0.000363			3
+ 5.83	5.84	5.87	510.5954	0.000639			4
5.83	5.85	5.87	893.0927	0.001117			4
5.89	5.92	5.93	415.2531	0.001133			5
6.26	6.27	6.30	491.8237	0.00104			6
Height Summation:			**2273.1987**				
Amount Avg CF:			**0.000913**	Linear:			
Aroclor-1268					**6**	**162.98**	
+ 5.83	5.84	5.87	510.5954	0.000362			1
5.83	5.85	5.87	893.0927	0.000633			1
5.89	5.92	5.93	415.2531	0.000323			2
6.03	6.05	6.07	15113.8	0.012669			3
6.09	6.11	6.13	14055.65	0.04529			4
6.26	6.27	6.30	491.8237	0.000973			5
6.47	6.48	6.51	19585.67	0.004717			6
Height Summation:			**50555.2895**				
Amount Avg CF:			**0.010767**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 15:16:36
Instrument : CP25--18274B
Result file : 25PCBS17116021B.006.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**94.64**	
4.73	4.75	4.77	4624.976	0.003498			1
4.92	4.95	4.96	1433.524	0.001096			2
5.33	5.36	5.36	8521.079	0.008281			4
5.75	5.75	5.79	1303.572	0.001271			6
Height Summation:			**15883.151**				
Amount Avg CF:			**0.003536**	Linear:			
Aroclor-1268					**5**	**142.58**	
5.33	5.36	5.37	8521.079	0.002621			1
5.53	5.54	5.57	38423.38	0.01397			3
5.59	5.61	5.63	34296.16	0.050638			4
5.75	5.75	5.79	1303.572	0.001138			5
5.95	5.97	5.99	43781.37	0.004483			6
Height Summation:			**126325.561**				
Amount Avg CF:			**0.01457**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 119.66	4	40	
Aroclor-1221						** 86.39	3	5	
Aroclor-1232						** 126.21	4	10	
Aroclor-1242						** 120.34	4	30	
Aroclor-1248						0.17	4	40	
Aroclor-1254						** 113.93	4	40	
Aroclor-1260						34.04	4	40	
Aroclor-1262						** 117.91	4	40	
Aroclor-1268						30.01	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 05/26/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 19:14

Lab File ID: 25PCBS17116021.027.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163FP Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	40.77	40.08	2
Decachlorobiphenyl	6.63	6.61	6.67	37.65	40.08	-6
Aroclor-1016	3.20	3.18	3.22	198.53	200.04	-1
	3.41	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.80	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	195.67	200.20	-2
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 05/26/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 19:14

Lab File ID: 25PCBS17116021B.027.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163FP Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	45.67	40.08	14
Decachlorobiphenyl	6.12	6.10	6.16	42.25	40.08	5
Aroclor-1016	2.91	2.89	2.93	216.73	200.04	8
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.50	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.34	4.33	4.37	218.52	200.20	9
	4.48	4.47	4.51			
	4.58	4.57	4.61			
	4.93	4.92	4.96			
	5.13	5.11	5.15			
	5.38	5.37	5.41			

Compounds 14 Average of %D: 9

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKAE Sample ID: AE **Batchnumber: 1714599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 26, 2017 19:26:12
Instrument : CP25--18274A
Result file : 25PCBS17116021.028.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 99% (53-140) Conc.: 0.198753
%SSR(DCB) : 101% (45-143) Conc.: 0.202739

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	42.65	
3.51	3.52	3.55	1574.383	0.005622			3
+ 3.51	3.54	3.55	915.945	0.003271			3
3.73	3.74	3.77	770.3542	0.002264			4
3.98	3.99	4.02	841.4708	0.003923			6
Height Summation:			3186.208				
Amount Avg CF:				0.003937 Linear:			
Aroclor-1221					2	137.12	
3.07	3.09	3.11	662.0946	0.005836			1
3.13	3.14	3.17	39371.39	0.378075			2
Height Summation:			40033.4846				
Amount Avg CF:				0.191956 Linear:			
Aroclor-1232					2	12.36	
3.52	3.52	3.56	1574.383	0.011329			3
+ 3.52	3.54	3.56	915.945	0.006591			3
+ 3.74	3.74	3.78	770.3542	0.00452			4
3.74	3.77	3.78	1620.431	0.009508			4
Height Summation:			3194.814				
Amount Avg CF:				0.010419 Linear:			
Aroclor-1242					3	42.50	
3.51	3.52	3.55	1574.383	0.006734			3
+ 3.51	3.54	3.55	915.945	0.003918			3
3.73	3.74	3.77	770.3542	0.002719			4
3.98	3.99	4.02	841.4708	0.004717			6
Height Summation:			3186.208				
Amount Avg CF:				0.004723 Linear:			
Aroclor-1248					4	101.38	
3.86	3.87	3.90	1847.332	0.006751			2
3.98	3.99	4.02	841.4708	0.002659			3
4.07	4.11	4.11	605.7071	0.002224			4
4.64	4.66	4.68	4141.59	0.018708			6
Height Summation:			7436.0999				
Amount Avg CF:				0.007585 Linear:			
Aroclor-1254					4	51.73	
4.58	4.60	4.62	1325.567	0.003832			2
4.64	4.66	4.68	4141.59	0.006191			3
4.86	4.87	4.89	625.2115	0.001271			5
5.05	5.06	5.09	1894.738	0.005178			6
Height Summation:			7987.1065				
Amount Avg CF:				0.004118 Linear:			
Aroclor-1260					1		
5.05	5.06	5.09	1894.738	0.006761			2
Height Summation:			1894.738				
Amount Avg CF:				0.006761 Linear:			
Aroclor-1262					1		
5.89	5.90	5.93	501.7966	0.001369			5
+ 5.89	5.93	5.93	497.3613	0.001357			5
Height Summation:			501.7966				
Amount Avg CF:				0.001369 Linear:			

Analysis Report (B)

Injected on : May 26, 2017 19:26:12
Instrument : CP25--18274B
Result file : 25PCBS17116021B.028.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 109% (53-140) Conc.: 0.218571
%SSR(DCB) : 99% (45-143) Conc.: 0.198795

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	83.31	
2.89	2.89	2.93	1411.318	0.00431			1
3.41	3.42	3.45	5874.678	0.011918			3
+ 3.41	3.44	3.45	2068.572	0.004197			3
3.49	3.52	3.53	2687.19	0.00524			4
3.65	3.68	3.69	11664.66	0.028067			5
3.74	3.75	3.78	3237.267	0.008525			6
Height Summation:			24875.113				
Amount Avg CF:				0.011612 Linear:			
Aroclor-1221					2	139.68	
2.84	2.84	2.88	53933.7	0.514001			2
2.89	2.89	2.93	1411.318	0.003185			3
Height Summation:			55345.018				
Amount Avg CF:				0.258593 Linear:			
Aroclor-1232					5	96.63	
2.89	2.89	2.93	1411.318	0.003446			1
3.41	3.42	3.45	5874.678	0.02656			3
+ 3.41	3.44	3.45	2068.572	0.009352			3
3.49	3.52	3.53	2687.19	0.011764			4
3.65	3.68	3.69	11664.66	0.066308			5
3.75	3.75	3.79	3237.267	0.018437			6
Height Summation:			24875.113				
Amount Avg CF:				0.025303 Linear:			
Aroclor-1242					5	83.86	
2.89	2.89	2.93	1411.318	0.005146			1
3.41	3.42	3.45	5874.678	0.014839			3
+ 3.41	3.44	3.45	2068.572	0.005225			3
3.49	3.52	3.53	2687.19	0.006653			4
3.65	3.68	3.69	11664.66	0.03454			5
3.74	3.75	3.78	3237.267	0.010024			6
Height Summation:			24875.113				
Amount Avg CF:				0.01424 Linear:			
Aroclor-1248					5	76.52	
3.41	3.42	3.45	5874.678	0.029799			1
+ 3.41	3.44	3.45	2068.572	0.010493			1
3.65	3.68	3.69	11664.66	0.019365			3
3.74	3.75	3.78	3237.267	0.007037			4
3.88	3.90	3.92	6911.898	0.007471			5
4.24	4.25	4.28	2311.863	0.005276			6
Height Summation:			30000.366				
Amount Avg CF:				0.01379 Linear:			
Aroclor-1254					4	79.72	
4.18	4.22	4.22	6533.311	0.008507			1
4.24	4.25	4.28	2311.863	0.00164			2
4.40	4.42	4.44	1309.131	0.001389			4
4.47	4.50	4.51	4144.888	0.007929			5
Height Summation:			14299.193				
Amount Avg CF:				0.004866 Linear:			
Aroclor-1260					2	20.79	
4.47	4.50	4.51	4144.888	0.003446			2
4.57	4.61	4.61	2645.891	0.002562			3
Height Summation:			6790.779				
Amount Avg CF:				0.003004 Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKAE Sample ID: AE **Batchnumber: 1714599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 26, 2017 19:26:12
Instrument : CP25--18274A
Result file : 25PCBS17116021.028.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**113.95**	
5.89	5.90	5.93	501.7966	0.000391			2
+ 5.89	5.93	5.93	497.3613	0.000387			2
6.03	6.04	6.07	10673.53	0.008947			3
6.09	6.11	6.13	8186.781	0.02638			4
6.47	6.48	6.51	18443.66	0.004442			6

Height Summation: **37805.7676**
Amount Avg CF: **0.01004** Linear:

Analysis Report (B)

Injected on : May 26, 2017 19:26:12
Instrument : CP25--18274B
Result file : 25PCBS17116021B.028.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**1**		
5.33	5.36	5.36	8850.921	0.008602			4

Height Summation: **8850.921**
Amount Avg CF: **0.008602** Linear:

Aroclor-1268					**4**	**105.13**	
5.33	5.36	5.37	8850.921	0.002723			1
5.53	5.54	5.57	28970.71	0.010533			3
5.59	5.61	5.63	20131.98	0.029725			4
5.95	5.97	5.99	41523.59	0.004251			6

Height Summation: **99477.201**
Amount Avg CF: **0.011808** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 98.73	4	40	
Aroclor-1221						29.58	3	5	
Aroclor-1232						** 83.33	4	10	
Aroclor-1242						** 100.38	4	30	
Aroclor-1248						** 58.05	4	40	
Aroclor-1254						16.65	4	40	
Aroclor-1260						** 76.94	4	40	
Aroclor-1262						** 145.07	4	40	
Aroclor-1268						16.19	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 05/26/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 22:04

Lab File ID: 25PCBS17116021.042.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163FQ Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	39.68	40.08	-1
Decachlorobiphenyl	6.63	6.61	6.67	38.57	40.08	-4
Aroclor-1016	3.20	3.18	3.22	199.70	200.04	0
	3.41	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.81	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	199.11	200.20	-1
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 2

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 05/26/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 22:04

Lab File ID: 25PCBS17116021B.042.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163FQ Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	45.32	40.08	13
Decachlorobiphenyl	6.13	6.10	6.16	41.94	40.08	5
Aroclor-1016	2.91	2.89	2.93	222.30	200.04	11
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.50	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	218.29	200.20	9
	4.48	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKAF Sample ID: AF **Batchnumber: 1714599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 26, 2017 22:16:15
Instrument : CP25--18274A
Result file : 25PCBS17116021.043.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.205312
%SSR(DCB) : 102% (45-143) Conc.: 0.204711

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	56.85	
3.40	3.40	3.44	702.4324	0.003178			2
+ 3.40	3.43	3.44	453.7078	0.002053			2
3.51	3.52	3.55	1937.25	0.006918			3
3.73	3.75	3.77	833.9918	0.002451			4
3.79	3.80	3.83	752.1418	0.002475			5
Height Summation:			**4225.816**				
Amount Avg CF:				**0.003755** Linear:			
Aroclor-1221					2	138.42	
3.07	3.11	3.11	457.9965	0.004037			1
3.13	3.14	3.17	39229.68	0.376714			2
Height Summation:			**39687.6765**				
Amount Avg CF:				**0.190376** Linear:			
Aroclor-1232					4	54.94	
3.40	3.40	3.44	702.4324	0.00665			2
+ 3.40	3.43	3.44	453.7078	0.004295			2
3.52	3.52	3.56	1937.25	0.01394			3
3.74	3.75	3.78	833.9918	0.004894			4
3.79	3.80	3.83	752.1418	0.005304			5
Height Summation:			**4225.816**				
Amount Avg CF:				**0.007697** Linear:			
Aroclor-1242					4	55.69	
3.40	3.40	3.44	702.4324	0.003831			2
+ 3.40	3.43	3.44	453.7078	0.002475			2
3.51	3.52	3.55	1937.25	0.008286			3
3.73	3.75	3.77	833.9918	0.002943			4
3.79	3.80	3.83	752.1418	0.003096			5
Height Summation:			**4225.816**				
Amount Avg CF:				**0.004539** Linear:			
Aroclor-1248					3	55.85	
3.79	3.80	3.83	752.1418	0.004316			1
3.86	3.88	3.90	2351.178	0.008592			2
4.64	4.66	4.68	3202.526	0.014466			6
Height Summation:			**6305.8458**				
Amount Avg CF:				**0.009125** Linear:			
Aroclor-1254					6	55.20	
4.24	4.24	4.28	1901.88	0.006525			1
4.58	4.62	4.62	902.5969	0.002609			2
4.64	4.66	4.68	3202.526	0.004788			3
4.77	4.78	4.81	778.0582	0.003599			4
4.86	4.88	4.89	319.7829	0.00065			5
5.05	5.07	5.09	1244.698	0.003401			6
Height Summation:			**8349.542**				
Amount Avg CF:				**0.003595** Linear:			
Aroclor-1260					4	74.97	
4.76	4.78	4.80	778.0582	0.001609			1
5.05	5.07	5.09	1244.698	0.004441			2
5.23	5.23	5.27	526.513	0.0016			3
5.83	5.85	5.87	493.5251	0.000831			6
Height Summation:			**3042.7943**				
Amount Avg CF:				**0.00212** Linear:			

Analysis Report (B)

Injected on : May 26, 2017 22:16:15
Instrument : CP25--18274B
Result file : 25PCBS17116021B.043.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 113% (53-140) Conc.: 0.226922
%SSR(DCB) : 106% (45-143) Conc.: 0.212757

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	105.73	
3.22	3.24	3.26	1311.61	0.003008			2
3.41	3.42	3.45	8225.159	0.016687			3
3.49	3.49	3.53	1460.108	0.002847			4
Height Summation:			**10996.877**				
Amount Avg CF:				**0.007514** Linear:			
Aroclor-1221					1		
2.84	2.84	2.88	56438.15	0.537869			2
Height Summation:			**56438.15**				
Amount Avg CF:				**0.537869** Linear:			
Aroclor-1232					4	79.96	
3.22	3.24	3.26	1311.61	0.006374			2
3.41	3.42	3.45	8225.159	0.037186			3
3.49	3.49	3.53	1460.108	0.006392			4
3.65	3.69	3.69	5026.705	0.028574			5
Height Summation:			**16023.582**				
Amount Avg CF:				**0.019632** Linear:			
Aroclor-1242					3	105.10	
3.22	3.24	3.26	1311.61	0.003766			2
3.41	3.42	3.45	8225.159	0.020776			3
3.49	3.49	3.53	1460.108	0.003615			4
Height Summation:			**10996.877**				
Amount Avg CF:				**0.009386** Linear:			
Aroclor-1248					4	97.24	
3.41	3.42	3.45	8225.159	0.041722			1
+ 3.52	3.54	3.56	1243.794	0.00247			2
3.52	3.56	3.56	4441.364	0.008818			2
3.88	3.91	3.92	5486.077	0.00593			5
4.24	4.25	4.28	5188.133	0.011839			6
Height Summation:			**23340.733**				
Amount Avg CF:				**0.017077** Linear:			
Aroclor-1254					3	48.96	
4.24	4.25	4.28	5188.133	0.003679			2
4.40	4.42	4.44	2015.85	0.002138			4
4.47	4.51	4.51	3114.486	0.005958			5
Height Summation:			**10318.469**				
Amount Avg CF:				**0.003925** Linear:			
Aroclor-1262					1		
5.33	5.36	5.36	14972.28	0.01455			4
Height Summation:			**14972.28**				
Amount Avg CF:				**0.01455** Linear:			
Aroclor-1268					5	124.76	
5.33	5.36	5.37	14972.28	0.004606			1
5.37	5.41	5.41	5656.291	0.001789			2
5.53	5.54	5.57	32610.78	0.011856			3
5.59	5.61	5.63	26595.12	0.039267			4
5.95	5.97	5.99	43958.81	0.004501			6
Height Summation:			**123793.281**				
Amount Avg CF:				**0.012404** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKAF Sample ID: AF **Batchnumber: 1714599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 26, 2017 22:16:15
Instrument : CP25--18274A
Result file : 25PCBS17116021.043.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**37.80**	
5.23	5.23	5.27	526.513	0.000897			1
5.83	5.85	5.87	493.5251	0.000617			4
6.26	6.26	6.30	628.3873	0.001328			6
Height Summation:			**1648.4254**				
Amount Avg CF:			**0.000947**	Linear:			
Aroclor-1268					**5**	**139.56**	
5.83	5.85	5.87	493.5251	0.00035			1
6.03	6.04	6.07	12285.69	0.010298			3
6.09	6.11	6.13	10249.68	0.033027			4
6.26	6.26	6.30	628.3873	0.001243			5
6.47	6.48	6.51	15642.93	0.003767			6
Height Summation:			**39300.2124**				
Amount Avg CF:			**0.009737**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 22:16:15
Instrument : CP25--18274B
Result file : 25PCBS17116021B.043.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 66.70	4	40	
Aroclor-1221						** 95.43	3	5	
Aroclor-1232						** 87.34	4	10	
Aroclor-1242						** 69.61	4	30	
Aroclor-1248						** 60.70	4	40	
Aroclor-1254						8.76	4	40	
Aroclor-1260							4	40	
Aroclor-1262						** 175.55	4	40	
Aroclor-1268						24.09	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 05/24/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 22:51

Lab File ID: 20PCBS17137007.016.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163EM Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	41.13	40.08	3
Decachlorobiphenyl	6.61	6.58	6.64	40.43	40.08	1
Aroclor-1016	3.18	3.16	3.20	199.05	200.04	0
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.75	4.73	4.77	196.57	200.20	-2
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 2

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/24/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 22:51

Lab File ID: 20PCBS17137007B.016.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163EM Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	41.15	40.08	3
Decachlorobiphenyl	6.11	6.08	6.14	41.50	40.08	4
Aroclor-1016	2.90	2.88	2.92	194.30	200.04	-3
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	198.48	200.20	-1
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKYS Sample ID: YS **Batchnumber: 1714399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 24, 2017 23:03:12
Instrument : CP20--17342A
Result file : 20PCBS17137007.017.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	78.32	
3.16	3.19	3.20	3729.595	0.018177			1
3.37	3.39	3.41	1698.708	0.008108			2
3.71	3.73	3.75	813.0939	0.003111			4
Height Summation:			6241.3969				
Amount Avg CF:			0.009798	Linear:			
Aroclor-1221					3	156.63	
3.06	3.07	3.10	1288.608	0.01311			1
3.11	3.12	3.15	33280.48	0.391652			2
3.16	3.19	3.20	3729.595	0.013586			3
Height Summation:			38298.683				
Amount Avg CF:			0.13945	Linear:			
Aroclor-1232					4	32.31	
3.16	3.19	3.20	3729.595	0.015146			1
3.38	3.39	3.42	1698.708	0.017144			2
3.49	3.53	3.53	2337.62	0.021501			3
+ 3.71	3.73	3.75	813.0939	0.006894			4
3.71	3.75	3.75	1089.744	0.00924			4
Height Summation:			8855.667				
Amount Avg CF:			0.015758	Linear:			
Aroclor-1242					4	55.96	
3.16	3.19	3.20	3729.595	0.021217			1
3.38	3.39	3.42	1698.708	0.009786			2
3.49	3.53	3.53	2337.62	0.012299			3
+ 3.71	3.73	3.75	813.0939	0.003803			4
3.71	3.75	3.75	1089.744	0.005097			4
Height Summation:			8855.667				
Amount Avg CF:			0.0121	Linear:			
Aroclor-1248					4	27.32	
3.83	3.85	3.87	2225.07	0.010542			2
4.05	4.06	4.09	1475.171	0.007139			4
4.23	4.25	4.27	1329.297	0.005431			5
4.61	4.63	4.65	1485.584	0.008279			6
Height Summation:			6515.122				
Amount Avg CF:			0.007848	Linear:			
Aroclor-1254					4	28.20	
4.55	4.57	4.59	1220.452	0.004208			2
4.61	4.63	4.65	1485.584	0.002536			3
4.83	4.85	4.87	2049.948	0.005296			5
5.14	5.16	5.18	1615.84	0.004063			6
Height Summation:			6371.824				
Amount Avg CF:			0.004026	Linear:			
Aroclor-1260					3	47.30	
5.03	5.05	5.07	3145.262	0.013583			2
5.37	5.37	5.41	2442.15	0.007894			4
5.82	5.84	5.86	2243.311	0.005325			6
Height Summation:			7830.723				
Amount Avg CF:			0.008934	Linear:			
Aroclor-1262					3	24.59	
5.37	5.37	5.41	2442.15	0.006055			2
5.81	5.84	5.85	2243.311	0.004164			4
6.25	6.27	6.29	1280.385	0.003944			6
Height Summation:			5965.846				
Amount Avg CF:			0.004721	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 23:03:12
Instrument : CP20--17342B
Result file : 20PCBS17137007B.017.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	61.91	
2.88	2.91	2.92	8694.856	0.007689			1
3.21	3.22	3.25	2955.934	0.002104			2
3.40	3.41	3.44	18230.08	0.012911			3
3.47	3.49	3.51	5936.182	0.003555			4
3.63	3.65	3.67	11355.86	0.008094			5
Height Summation:			47172.912				
Amount Avg CF:			0.006871	Linear:			
Aroclor-1221					3	164.54	
2.77	2.78	2.81	7771.052	0.013022			1
+ 2.77	2.80	2.81	2779.507	0.004658			1
2.83	2.83	2.87	199247.1	0.54163			2
2.88	2.91	2.92	8694.856	0.005698			3
Height Summation:			215713.008				
Amount Avg CF:			0.186783	Linear:			
Aroclor-1232					4	99.06	
2.88	2.91	2.92	8694.856	0.006294			1
3.21	3.22	3.25	2955.934	0.004427			2
3.40	3.41	3.44	18230.08	0.030519			3
3.47	3.49	3.51	5936.182	0.008089			4
Height Summation:			35817.052				
Amount Avg CF:			0.012332	Linear:			
Aroclor-1242					5	61.95	
2.88	2.91	2.92	8694.856	0.008943			1
3.21	3.22	3.25	2955.934	0.002546			2
3.40	3.41	3.44	18230.08	0.015965			3
3.47	3.49	3.51	5936.182	0.004549			4
3.64	3.65	3.68	11355.86	0.010569			5
Height Summation:			47172.912				
Amount Avg CF:			0.008514	Linear:			
Aroclor-1248					6	96.45	
3.40	3.41	3.44	18230.08	0.032735			1
+ 3.51	3.52	3.55	4485.671	0.002856			2
3.51	3.54	3.55	10228.49	0.006512			2
3.63	3.65	3.67	11355.86	0.005787			3
3.72	3.72	3.76	11694.5	0.008253			4
3.86	3.87	3.90	4800.296	0.001789			5
4.22	4.23	4.26	16892.59	0.014236			6
Height Summation:			73201.816				
Amount Avg CF:			0.011552	Linear:			
Aroclor-1254					4	23.93	
4.22	4.23	4.26	16892.59	0.004554			2
4.31	4.33	4.35	9397.879	0.005446			3
4.38	4.39	4.42	8899.253	0.003569			4
4.60	4.61	4.64	11104.17	0.006347			6
Height Summation:			46293.892				
Amount Avg CF:			0.004979	Linear:			
Aroclor-1260					5	32.07	
4.31	4.33	4.35	9397.879	0.003329			1
4.55	4.56	4.59	6550.2	0.002445			3
4.90	4.91	4.94	4720.259	0.002292			4
5.09	5.11	5.13	5674.499	0.001214			5
5.35	5.37	5.39	7778.541	0.002488			6
Height Summation:			34121.378				
Amount Avg CF:			0.002354	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKYS Sample ID: YS **Batchnumber: 1714399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 24, 2017 23:03:12
Instrument : CP20--17342A
Result file : 20PCBS17137007.017.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**155.23**	
5.81	5.84	5.85	2243.311	0.001873			1
6.00	6.02	6.04	23263.62	0.02387			3
6.07	6.09	6.11	21757.82	0.097379			4
6.25	6.27	6.29	1280.385	0.003181			5
6.45	6.47	6.49	15672.02	0.004975			6

Height Summation: **64217.156**
Amount Avg CF: **0.026255** Linear:

Analysis Report (B)

Injected on : May 24, 2017 23:03:12
Instrument : CP20--17342B
Result file : 20PCBS17137007B.017.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**38.60**	
4.71	4.74	4.75	4066.328	0.001255			1
4.90	4.91	4.94	4720.259	0.001464			2
5.09	5.11	5.13	5674.499	0.000925			3
5.31	5.34	5.35	1469.271	0.000578			4
5.35	5.37	5.39	7778.541	0.001902			5
5.73	5.75	5.77	2268.346	0.001025			6

Height Summation: **25977.244**
Amount Avg CF: **0.001191** Linear:

Aroclor-1268					**6**	**186.65**	
5.31	5.34	5.35	1469.271	0.000178			1
5.35	5.37	5.39	7778.541	0.000928			2
5.51	5.52	5.55	169269	0.023513			3
5.57	5.59	5.61	199343	0.11453			4
5.73	5.75	5.77	2268.346	0.000804			5
5.93	5.95	5.97	110604.5	0.00516			6

Height Summation: **490732.658**
Amount Avg CF: **0.024186** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						35.13	4	40	
Aroclor-1221						29.02	3	5	
Aroclor-1232						24.39	4	10	
Aroclor-1242						34.79	4	30	
Aroclor-1248						38.19	4	40	
Aroclor-1254						21.17	4	40	
Aroclor-1260						** 116.59	4	40	
Aroclor-1262						** 119.40	4	40	
Aroclor-1268						8.21	4	40	

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 05/24/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 23:49

Lab File ID: 20PCBS17137007.021.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163EV Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	43.82	40.08	9
Decachlorobiphenyl	6.61	6.58	6.64	38.16	40.08	-5
Aroclor-1016	3.18	3.16	3.20	206.41	200.04	3
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	203.17	200.20	1
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/24/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 23:49

Lab File ID: 20PCBS17137007B.021.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163EV Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	43.11	40.08	8
Decachlorobiphenyl	6.11	6.08	6.14	42.82	40.08	7
Aroclor-1016	2.90	2.88	2.92	212.05	200.04	6
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	198.58	200.20	-1
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKZB Sample ID: ZB **Batchnumber: 1714399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 25, 2017 00:00:45
Instrument : CP20--17342A
Result file : 20PCBS17137007.022.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**75.42**	
3.16	3.19	3.20	2916.811	0.014215			1
3.37	3.39	3.41	835.2565	0.003987			2
3.49	3.49	3.53	1632.675	0.006921			3
3.71	3.73	3.75	653.0673	0.002499			4
Height Summation:			**6037.8098**				
Amount Avg CF:			**0.006906**	Linear:			
Aroclor-1221					**2**	**134.03**	
3.11	3.12	3.15	33628.41	0.395747			2
3.16	3.19	3.20	2916.811	0.010625			3
Height Summation:			**36545.221**				
Amount Avg CF:			**0.203186**	Linear:			
Aroclor-1232					**4**	**34.12**	
3.16	3.19	3.20	2916.811	0.011845			1
3.38	3.39	3.42	835.2565	0.00843			2
3.49	3.53	3.53	1377.13	0.012667			3
3.71	3.73	3.75	653.0673	0.005537			4
Height Summation:			**5782.2648**				
Amount Avg CF:			**0.00962**	Linear:			
Aroclor-1242					**4**	**76.05**	
3.16	3.19	3.20	2916.811	0.016594			1
3.38	3.39	3.42	835.2565	0.004812			2
3.49	3.53	3.53	1377.13	0.007245			3
3.71	3.73	3.75	653.0673	0.003054			4
Height Summation:			**5782.2648**				
Amount Avg CF:			**0.007926**	Linear:			
Aroclor-1248					**2**	**64.75**	
3.83	3.85	3.87	1948.709	0.009233			2
4.05	4.06	4.09	709.5001	0.003434			4
Height Summation:			**2658.2091**				
Amount Avg CF:			**0.006333**	Linear:			
Aroclor-1260					**3**	**49.09**	
5.20	5.21	5.24	1596.195	0.005887			3
5.37	5.37	5.41	702.9399	0.002272			4
5.82	5.84	5.86	1372.849	0.003259			6
Height Summation:			**3671.9839**				
Amount Avg CF:			**0.003806**	Linear:			
Aroclor-1262					**3**	**29.19**	
5.21	5.21	5.24	1596.195	0.003197			1
5.37	5.37	5.41	702.9399	0.001743			2
5.81	5.84	5.85	1372.849	0.002548			4
Height Summation:			**3671.9839**				
Amount Avg CF:			**0.002496**	Linear:			
Aroclor-1268					**4**	**142.07**	
5.81	5.84	5.85	1372.849	0.001146			1
6.00	6.02	6.04	21764.43	0.022332			3
6.07	6.09	6.11	21482.09	0.096145			4
6.45	6.47	6.49	15926.17	0.005055			6
Height Summation:			**60545.539**				
Amount Avg CF:			**0.03117**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 00:00:45
Instrument : CP20--17342B
Result file : 20PCBS17137007B.022.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**62.50**	
2.88	2.89	2.92	4285.24	0.00379			1
3.21	3.23	3.25	7171.187	0.005103			2
3.40	3.41	3.44	15357.81	0.010877			3
3.47	3.48	3.51	3250.718	0.001947			4
3.72	3.73	3.76	12532.58	0.010425			6
Height Summation:			**42597.535**				
Amount Avg CF:			**0.006428**	Linear:			
Aroclor-1221					**3**	**166.34**	
2.77	2.78	2.81	7350.247	0.012317			1
+ 2.77	2.80	2.81	2552.852	0.004278			1
2.83	2.83	2.87	204280.9	0.555314			2
2.88	2.89	2.92	4285.24	0.002808			3
Height Summation:			**215916.387**				
Amount Avg CF:			**0.190146**	Linear:			
Aroclor-1232					**5**	**78.55**	
2.88	2.89	2.92	4285.24	0.003102			1
3.21	3.23	3.25	7171.187	0.010741			2
3.40	3.41	3.44	15357.81	0.025711			3
3.47	3.48	3.51	3250.718	0.00443			4
3.73	3.73	3.77	12532.58	0.023851			6
Height Summation:			**42597.535**				
Amount Avg CF:			**0.013567**	Linear:			
Aroclor-1242					**5**	**63.68**	
2.88	2.89	2.92	4285.24	0.004407			1
3.21	3.23	3.25	7171.187	0.006176			2
3.40	3.41	3.44	15357.81	0.01345			3
3.47	3.48	3.51	3250.718	0.002491			4
3.73	3.73	3.77	12532.58	0.013021			6
Height Summation:			**42597.535**				
Amount Avg CF:			**0.007909**	Linear:			
Aroclor-1248					**5**	**101.95**	
3.40	3.41	3.44	15357.81	0.027578			1
3.51	3.54	3.55	10378.82	0.006608			2
3.72	3.73	3.76	12532.58	0.008845			4
3.86	3.86	3.90	2126.762	0.000792			5
4.22	4.25	4.26	7598.237	0.006403			6
Height Summation:			**47994.209**				
Amount Avg CF:			**0.010045**	Linear:			
Aroclor-1254					**1**		
4.22	4.25	4.26	7598.237	0.002048			2
Height Summation:			**7598.237**				
Amount Avg CF:			**0.002048**	Linear:			
Aroclor-1260					**2**	**20.28**	
4.90	4.92	4.94	3687.432	0.001791			4
5.35	5.37	5.39	4193.521	0.001341			6
Height Summation:			**7880.953**				
Amount Avg CF:			**0.001566**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKZB Sample ID: ZB **Batchnumber: 1714399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 25, 2017 00:00:45
Instrument : CP20--17342A
Result file : 20PCBS17137007.022.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 25, 2017 00:00:45
Instrument : CP20--17342B
Result file : 20PCBS17137007B.022.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**12.41**	
4.71	4.74	4.75	3147.791	0.000971			1
4.90	4.92	4.94	3687.432	0.001144			2
5.35	5.37	5.39	4193.521	0.001025			5
5.73	5.73	5.77	1872.269	0.000846			6
Height Summation:			**12901.013**				
Amount Avg CF:				**0.000996** Linear:			
Aroclor-1268					**6**	**186.86**	
5.31	5.35	5.35	2577.576	0.000311			1
5.35	5.37	5.39	4193.521	0.0005			2
5.51	5.53	5.55	160002.7	0.022226			3
5.57	5.59	5.61	188178.5	0.108116			4
5.73	5.73	5.77	1872.269	0.000664			5
5.93	5.95	5.97	108592.2	0.005066			6
Height Summation:			**465416.766**				
Amount Avg CF:				**0.022814** Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						7.16	4	40	
Aroclor-1221						6.63	3	5	
Aroclor-1232						34.05	4	10	
Aroclor-1242						0.22	4	30	
Aroclor-1248						** 45.33	4	40	
Aroclor-1254							4	40	
Aroclor-1260						** 83.39	4	40	
Aroclor-1262						** 85.88	4	40	
Aroclor-1268						30.96	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 05/25/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 1:32

Lab File ID: 20PCBS17137007.030.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163EN Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	43.69	40.08	9
Decachlorobiphenyl	6.61	6.58	6.64	39.08	40.08	-2
Aroclor-1016	3.18	3.16	3.20	209.21	200.04	5
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	204.00	200.20	2
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/25/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 1:32

Lab File ID: 20PCBS17137007B.030.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163EN Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	43.75	40.08	9
Decachlorobiphenyl	6.11	6.08	6.14	40.95	40.08	2
Aroclor-1016	2.90	2.88	2.92	215.16	200.04	8
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	204.97	200.20	2
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKYT Sample ID: YT **Batchnumber: 1714399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 25, 2017 01:43:52
Instrument : CP20--17342A
Result file : 20PCBS17137007.031.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**60.07**	
3.16	3.19	3.20	2718.008	0.013246			1
3.49	3.49	3.53	1261.472	0.005348			3
Height Summation:			**3979.48**				
Amount Avg CF:				**0.009297** Linear:			
Aroclor-1221					**2**	**134.69**	
3.11	3.12	3.15	34501.34	0.40602			2
3.16	3.19	3.20	2718.008	0.009901			3
Height Summation:			**37219.348**				
Amount Avg CF:				**0.20796** Linear:			
Aroclor-1232					**2**	**3.53**	
3.16	3.19	3.20	2718.008	0.011038			1
3.49	3.49	3.53	1261.472	0.011603			3
+ 3.49	3.53	3.53	1216.431	0.011189			3
Height Summation:			**3979.48**				
Amount Avg CF:				**0.01132** Linear:			
Aroclor-1242					**2**	**56.48**	
3.16	3.19	3.20	2718.008	0.015463			1
3.49	3.49	3.53	1261.472	0.006637			3
+ 3.49	3.53	3.53	1216.431	0.0064			3
Height Summation:			**3979.48**				
Amount Avg CF:				**0.01105** Linear:			
Aroclor-1248					**3**	**43.91**	
3.83	3.85	3.87	1784.813	0.008456			2
4.05	4.06	4.09	1055.629	0.005109			4
4.23	4.26	4.27	3135.113	0.012808			5
Height Summation:			**5975.555**				
Amount Avg CF:				**0.008791** Linear:			
Aroclor-1254					**1**		
4.55	4.57	4.59	1190.576	0.004105			2
Height Summation:			**1190.576**				
Amount Avg CF:				**0.004105** Linear:			
Aroclor-1260					**2**	**49.81**	
5.20	5.21	5.24	1784.768	0.006582			3
5.82	5.84	5.86	1328.549	0.003153			6
Height Summation:			**3113.317**				
Amount Avg CF:				**0.004868** Linear:			
Aroclor-1262					**2**	**25.96**	
5.21	5.21	5.24	1784.768	0.003575			1
5.81	5.84	5.85	1328.549	0.002466			4
Height Summation:			**3113.317**				
Amount Avg CF:				**0.003021** Linear:			
Aroclor-1268					**4**	**141.74**	
5.81	5.84	5.85	1328.549	0.001109			1
6.00	6.02	6.04	23228.02	0.023834			3
6.07	6.09	6.11	22431.21	0.100393			4
6.45	6.47	6.49	16301.95	0.005175			6
Height Summation:			**63289.729**				
Amount Avg CF:				**0.032628** Linear:			

Analysis Report (B)

Injected on : May 25, 2017 01:43:52
Instrument : CP20--17342B
Result file : 20PCBS17137007B.031.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**61.48**	
2.88	2.91	2.92	7307.965	0.006463			1
3.21	3.23	3.25	3104.921	0.00221			2
3.40	3.41	3.44	14233.98	0.010081			3
3.72	3.72	3.76	4481.443	0.003728			6
Height Summation:			**29128.309**				
Amount Avg CF:				**0.00562** Linear:			
Aroclor-1221					**3**	**166.11**	
2.77	2.78	2.81	6458.984	0.010824			1
2.83	2.83	2.87	204251.5	0.555234			2
2.88	2.91	2.92	7307.965	0.004789			3
Height Summation:			**218018.449**				
Amount Avg CF:				**0.190282** Linear:			
Aroclor-1232					**3**	**96.77**	
2.88	2.91	2.92	7307.965	0.00529			1
3.21	3.23	3.25	3104.921	0.00465			2
3.40	3.41	3.44	14233.98	0.023829			3
Height Summation:			**24646.866**				
Amount Avg CF:				**0.011257** Linear:			
Aroclor-1242					**3**	**64.83**	
2.88	2.91	2.92	7307.965	0.007516			1
3.21	3.23	3.25	3104.921	0.002674			2
3.40	3.41	3.44	14233.98	0.012466			3
Height Summation:			**24646.866**				
Amount Avg CF:				**0.007552** Linear:			
Aroclor-1248					**5**	**114.20**	
3.40	3.41	3.44	14233.98	0.02556			1
+ 3.51	3.52	3.55	2055.896	0.001309			2
3.51	3.54	3.55	8691.038	0.005533			2
3.72	3.72	3.76	4481.443	0.003163			4
3.86	3.89	3.90	8096.948	0.003017			5
4.22	4.23	4.26	5823.515	0.004908			6
Height Summation:			**41326.924**				
Amount Avg CF:				**0.008436** Linear:			
Aroclor-1254					**2**	**30.65**	
4.22	4.23	4.26	5823.515	0.00157			2
+ 4.31	4.31	4.35	1842.357	0.001068			3
4.31	4.33	4.35	4208.025	0.002439			3
Height Summation:			**10031.54**				
Amount Avg CF:				**0.002004** Linear:			
Aroclor-1260					**5**	**47.61**	
+ 4.31	4.31	4.35	1842.357	0.000653			1
4.31	4.33	4.35	4208.025	0.00149			1
4.55	4.57	4.59	6875.619	0.002567			3
4.90	4.91	4.94	4129.411	0.002005			4
5.09	5.13	5.13	1975.438	0.000423			5
5.35	5.37	5.39	6121.776	0.001958			6
Height Summation:			**23310.269**				
Amount Avg CF:				**0.001689** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKYT Sample ID: YT **Batchnumber: 1714399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 25, 2017 01:43:52
Instrument : CP20--17342A
Result file : 20PCBS17137007.031.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 25, 2017 01:43:52
Instrument : CP20--17342B
Result file : 20PCBS17137007B.031.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**49.40**	
4.90	4.91	4.94	4129.411	0.001281			2
5.09	5.13	5.13	1975.438	0.000322			3
5.31	5.32	5.35	2627.536	0.001034			4
5.35	5.37	5.39	6121.776	0.001497			5
Height Summation:			**14854.161**				
Amount Avg CF:				**0.001033** Linear:			
Aroclor-1268					**5**	**167.75**	
5.31	5.32	5.35	2627.536	0.000317			1
5.35	5.37	5.39	6121.776	0.000731			2
5.51	5.53	5.55	165105.1	0.022935			3
5.57	5.59	5.61	188115.4	0.10808			4
5.93	5.95	5.97	109371.5	0.005102			6
Height Summation:			**471341.312**				
Amount Avg CF:				**0.027433** Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 49.30	4	40	
Aroclor-1221						8.88	3	5	
Aroclor-1232						0.57	4	10	
Aroclor-1242						37.61	4	30	
Aroclor-1248						4.12	4	40	
Aroclor-1254						** 68.77	4	40	
Aroclor-1260						** 96.98	4	40	
Aroclor-1262						** 98.04	4	40	
Aroclor-1268						17.30	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 05/30/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 23:05

Lab File ID: 20PCBS17137012.025.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163GC Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	42.79	40.08	7
Decachlorobiphenyl	6.61	6.58	6.64	39.60	40.08	-1
Aroclor-1016	3.18	3.16	3.20	208.88	200.04	4
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	200.88	200.20	0
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/30/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 23:05

Lab File ID: 20PCBS17137012B.025.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163GC Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	43.47	40.08	8
Decachlorobiphenyl	6.11	6.08	6.14	40.18	40.08	0
Aroclor-1016	2.90	2.88	2.92	208.86	200.04	4
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	206.30	200.20	3
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKBG Sample ID: BG **Batchnumber: 1714999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:

Analysis Report (A)

Injected on : May 30, 2017 23:17:07
Instrument : CP20--17342A
Result file : 20PCBS17137012.026.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	63.49	
3.16	3.19	3.20	2562.212	0.012487			1
3.49	3.49	3.53	1120.168	0.004749			3
Height Summation:			3682.38				
Amount Avg CF:			0.008618	Linear:			
Aroclor-1221					2	135.03	
3.11	3.12	3.15	34326.64	0.403964			2
3.16	3.19	3.20	2562.212	0.009334			3
Height Summation:			36888.852				
Amount Avg CF:			0.206649	Linear:			
Aroclor-1232					3	16.48	
3.16	3.19	3.20	2562.212	0.010405			1
3.49	3.53	3.53	1001.528	0.009212			3
3.71	3.75	3.75	1498.397	0.012705			4
Height Summation:			5062.137				
Amount Avg CF:			0.010774	Linear:			
Aroclor-1242					3	55.28	
3.16	3.19	3.20	2562.212	0.014576			1
3.49	3.53	3.53	1001.528	0.005269			3
3.71	3.75	3.75	1498.397	0.007008			4
Height Summation:			5062.137				
Amount Avg CF:			0.008951	Linear:			
Aroclor-1248					2	54.24	
3.83	3.85	3.87	1938.688	0.009185			2
4.05	4.06	4.09	845.6957	0.004093			4
Height Summation:			2784.3837				
Amount Avg CF:			0.006639	Linear:			
Aroclor-1260					2	32.34	
5.20	5.21	5.24	1479.509	0.005457			3
5.82	5.84	5.86	1443.101	0.003425			6
Height Summation:			2922.61				
Amount Avg CF:			0.004441	Linear:			
Aroclor-1262					2	7.14	
5.21	5.21	5.24	1479.509	0.002964			1
5.81	5.84	5.85	1443.101	0.002679			4
Height Summation:			2922.61				
Amount Avg CF:			0.002821	Linear:			
Aroclor-1268					4	144.93	
5.81	5.84	5.85	1443.101	0.001205			1
6.00	6.02	6.04	25779.11	0.026451			3
6.07	6.09	6.11	26461.32	0.11843			4
6.45	6.47	6.49	16692.63	0.005299			6
Height Summation:			70376.161				
Amount Avg CF:			0.037846	Linear:			

Analysis Report (B)

Injected on : May 30, 2017 23:17:07
Instrument : CP20--17342B
Result file : 20PCBS17137012B.026.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	75.09	
2.88	2.88	2.92	5627.431	0.004977			1
3.40	3.41	3.44	22937.97	0.016245			3
Height Summation:			28565.401				
Amount Avg CF:			0.010611	Linear:			
Aroclor-1221					3	164.89	
2.77	2.78	2.81	8952.687	0.015002			1
+ 2.77	2.80	2.81	4931.765	0.008264			1
2.83	2.83	2.87	207403.8	0.563803			2
2.88	2.88	2.92	5627.431	0.003688			3
Height Summation:			221983.918				
Amount Avg CF:			0.194164	Linear:			
Aroclor-1232					2	114.29	
2.88	2.88	2.92	5627.431	0.004074			1
3.40	3.41	3.44	22937.97	0.0384			3
Height Summation:			28565.401				
Amount Avg CF:			0.021237	Linear:			
Aroclor-1242					2	78.16	
2.88	2.88	2.92	5627.431	0.005788			1
3.40	3.41	3.44	22937.97	0.020088			3
Height Summation:			28565.401				
Amount Avg CF:			0.012938	Linear:			
Aroclor-1248					4	127.76	
3.40	3.41	3.44	22937.97	0.041189			1
3.51	3.54	3.55	14598.26	0.009294			2
3.86	3.86	3.90	2909.483	0.001084			5
4.22	4.25	4.26	6605.13	0.005566			6
Height Summation:			47050.843				
Amount Avg CF:			0.014284	Linear:			
Aroclor-1254					3	16.21	
4.22	4.25	4.26	6605.13	0.001781			2
4.31	4.33	4.35	3645.212	0.002112			3
4.60	4.62	4.64	4317.435	0.002468			6
Height Summation:			14567.777				
Amount Avg CF:			0.00212	Linear:			
Aroclor-1260					3	44.24	
4.31	4.33	4.35	3645.212	0.001291			1
4.55	4.57	4.59	2756.515	0.001029			3
5.09	5.12	5.13	2249.845	0.000481			5
Height Summation:			8651.572				
Amount Avg CF:			0.000934	Linear:			
Aroclor-1262					2	70.06	
4.71	4.74	4.75	3524.075	0.001087			1
5.09	5.12	5.13	2249.845	0.000367			3
Height Summation:			5773.92				
Amount Avg CF:			0.000727	Linear:			
Aroclor-1268					4	147.72	
5.31	5.35	5.35	13604.29	0.001644			1
5.51	5.53	5.55	179343.4	0.024913			3
5.57	5.59	5.61	213121.6	0.122447			4
5.93	5.95	5.97	108133.3	0.005044			6
Height Summation:			514202.59				
Amount Avg CF:			0.038512	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKBG Sample ID: BG **Batchnumber: 1714999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:

Analysis Report (A)

Injected on : May 30, 2017 23:17:07
Instrument : CP20--17342A
Result file : 20PCBS17137012.026.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 30, 2017 23:17:07
Instrument : CP20--17342B
Result file : 20PCBS17137012B.026.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						20.73	4	40	
Aroclor-1221						6.23	3	5	
Aroclor-1232						** 65.37	4	10	
Aroclor-1242						36.43	4	30	
Aroclor-1248						** 73.07	4	40	
Aroclor-1254							4	40	
Aroclor-1260						** 130.50	4	40	
Aroclor-1262						** 118.04	4	40	
Aroclor-1268						1.74	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 05/31/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 3:17

Lab File ID: 20PCBS17137012.047.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163GJ Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	45.45	40.08	13
Decachlorobiphenyl	6.61	6.58	6.64	40.16	40.08	0
Aroclor-1016	3.18	3.16	3.20	212.62	200.04	6
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	200.06	200.20	0
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/31/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 3:17

Lab File ID: 20PCBS17137012B.047.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163GJ Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	44.62	40.08	11
Decachlorobiphenyl	6.11	6.08	6.14	40.17	40.08	0
Aroclor-1016	2.90	2.88	2.92	215.52	200.04	8
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	207.77	200.20	4
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKBS Sample ID: BS **Batchnumber: 1714999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:

Analysis Report (A)

Injected on : May 31, 2017 03:28:32
Instrument : CP20--17342A
Result file : 20PCBS17137012.048.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**57.33**	
3.16	3.19	3.20	2709.004	0.013203			1
+ 3.49	3.49	3.53	1135.891	0.004815			3
+ 3.49	3.51	3.53	983.3202	0.004169			3
3.49	3.53	3.53	1317.546	0.005586			3
Height Summation:			**4026.55**				
Amount Avg CF:			**0.009394**	Linear:			
Aroclor-1221					**2**	**134.88**	
3.11	3.12	3.15	35405.18	0.416656			2
3.16	3.19	3.20	2709.004	0.009868			3
Height Summation:			**38114.184**				
Amount Avg CF:			**0.213262**	Linear:			
Aroclor-1232					**3**	**5.13**	
3.16	3.19	3.20	2709.004	0.011001			1
+ 3.49	3.51	3.53	983.3202	0.009044			3
3.49	3.53	3.53	1317.546	0.012119			3
3.71	3.75	3.75	1407.848	0.011937			4
Height Summation:			**5434.398**				
Amount Avg CF:			**0.011686**	Linear:			
Aroclor-1242					**3**	**51.84**	
3.16	3.19	3.20	2709.004	0.015411			1
+ 3.49	3.51	3.53	983.3202	0.005174			3
3.49	3.53	3.53	1317.546	0.006932			3
3.71	3.75	3.75	1407.848	0.006584			4
Height Summation:			**5434.398**				
Amount Avg CF:			**0.009643**	Linear:			
Aroclor-1248					**1**		
3.83	3.85	3.87	1659.391	0.007862			2
Height Summation:			**1659.391**				
Amount Avg CF:			**0.007862**	Linear:			
Aroclor-1254					**2**	**33.78**	
4.55	4.57	4.59	1094.881	0.003775			2
4.83	4.86	4.87	897.8732	0.002319			5
Height Summation:			**1992.7542**				
Amount Avg CF:			**0.003047**	Linear:			
Aroclor-1260					**3**	**64.72**	
5.03	5.04	5.07	1891.952	0.00817			2
5.37	5.40	5.41	720.3295	0.002328			4
5.82	5.84	5.86	1549.616	0.003678			6
Height Summation:			**4161.8975**				
Amount Avg CF:			**0.004726**	Linear:			
Aroclor-1262					**2**	**33.08**	
5.37	5.40	5.41	720.3295	0.001786			2
5.81	5.84	5.85	1549.616	0.002877			4
Height Summation:			**2269.9455**				
Amount Avg CF:			**0.002331**	Linear:			
Aroclor-1268					**4**	**144.07**	
5.81	5.84	5.85	1549.616	0.001294			1
6.00	6.02	6.04	22990.38	0.02359			3
6.07	6.09	6.11	23568.86	0.105484			4
6.45	6.46	6.49	15711.68	0.004987			6
Height Summation:			**63820.536**				
Amount Avg CF:			**0.033839**	Linear:			

Analysis Report (B)

Injected on : May 31, 2017 03:28:32
Instrument : CP20--17342B
Result file : 20PCBS17137012B.048.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**88.33**	
2.88	2.89	2.92	8549.788	0.007561			1
3.21	3.23	3.25	4850.781	0.003452			2
3.40	3.41	3.44	21978.61	0.015566			3
3.47	3.48	3.51	2608.486	0.001562			4
Height Summation:			**37987.665**				
Amount Avg CF:			**0.007035**	Linear:			
Aroclor-1221					**3**	**163.56**	
2.77	2.78	2.81	9223.445	0.015456			1
+ 2.77	2.80	2.81	3036.472	0.005088			1
2.83	2.83	2.87	200370.5	0.544684			2
2.88	2.89	2.92	8549.788	0.005603			3
Height Summation:			**218143.733**				
Amount Avg CF:			**0.188581**	Linear:			
Aroclor-1232					**4**	**116.28**	
2.88	2.89	2.92	8549.788	0.006189			1
3.21	3.23	3.25	4850.781	0.007265			2
3.40	3.41	3.44	21978.61	0.036794			3
3.47	3.48	3.51	2608.486	0.003554			4
Height Summation:			**37987.665**				
Amount Avg CF:			**0.013451**	Linear:			
Aroclor-1242					**4**	**89.68**	
2.88	2.89	2.92	8549.788	0.008794			1
3.21	3.23	3.25	4850.781	0.004178			2
3.40	3.41	3.44	21978.61	0.019248			3
3.47	3.48	3.51	2608.486	0.001999			4
Height Summation:			**37987.665**				
Amount Avg CF:			**0.008555**	Linear:			
Aroclor-1248					**3**	**102.96**	
3.40	3.41	3.44	21978.61	0.039467			1
+ 3.51	3.52	3.55	3745.151	0.002384			2
3.51	3.54	3.55	12242.57	0.007795			2
4.22	4.23	4.26	8118.08	0.006841			6
Height Summation:			**42339.26**				
Amount Avg CF:			**0.018034**	Linear:			
Aroclor-1254					**4**	**24.50**	
4.22	4.23	4.26	8118.08	0.002189			2
4.31	4.33	4.35	4747.366	0.002751			3
4.38	4.40	4.42	3663.395	0.001469			4
4.60	4.62	4.64	3780.873	0.002161			6
Height Summation:			**20309.714**				
Amount Avg CF:			**0.002143**	Linear:			
Aroclor-1260					**4**	**28.87**	
4.31	4.33	4.35	4747.366	0.001681			1
4.55	4.56	4.59	3689.573	0.001377			3
4.90	4.91	4.94	3606.576	0.001751			4
5.09	5.11	5.13	3986.819	0.000853			5
Height Summation:			**16030.334**				
Amount Avg CF:			**0.001416**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1724A PIBLKBS Sample ID: BS **Batchnumber: 1714999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:

Analysis Report (A)

Injected on : May 31, 2017 03:28:32
Instrument : CP20--17342A
Result file : 20PCBS17137012.048.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 31, 2017 03:28:32
Instrument : CP20--17342B
Result file : 20PCBS17137012B.048.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**5**	**175.19**	
4.71	4.74	4.75	3458.378	0.001067			1
4.90	4.91	4.94	3606.576	0.001119			2
5.09	5.11	5.13	3986.819	0.00065			3
5.31	5.34	5.35	51289.91	0.020183			4
5.73	5.73	5.77	3102.977	0.001402			6
Height Summation:			**65444.66**				
Amount Avg CF:				**0.004884** Linear:			
Aroclor-1268					**5**	**156.90**	
5.31	5.34	5.35	51289.91	0.006197			1
5.51	5.52	5.55	163837.8	0.022759			3
5.57	5.59	5.61	184250.1	0.105859			4
5.73	5.73	5.77	3102.977	0.0011			5
5.93	5.95	5.97	106653.8	0.004975			6
Height Summation:			**509134.587**				
Amount Avg CF:				**0.028178** Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						28.72	4	40	
Aroclor-1221						12.28	3	5	
Aroclor-1232						14.04	4	10	
Aroclor-1242						11.96	4	30	
Aroclor-1248						** 78.56	4	40	
Aroclor-1254						34.87	4	40	
Aroclor-1260						** 107.78	4	40	
Aroclor-1262						** 70.76	4	40	
Aroclor-1268						18.26	4	40	

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17116001
Instrument CP25--18274A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17116001.001	CONDITIONER		4/26/17 13:40	1711599999	1.00
9065	25PCBS17116001.002	CONDITIONER		4/26/17 13:52	1711599999	1.00
9065	25PCBS17116001.003	CONDITIONER		4/26/17 14:03	1711599999	1.00
9065	25PCBS17116001.004	CONDITIONER		4/26/17 14:14	1711599999	1.00
9065	25PCBS17116001.005	IBLKX1724A	PIBLKAA	4/26/17 14:26	1711599999	10.00
9065	25PCBS17116001.006	EVALX1624B	EVALXAA	4/26/17 14:37	1711599999	1.00
9065	25PCBS17116001.007	AR1611724A	AR161AA	4/26/17 14:49	1711599999	1.00
9065	25PCBS17116001.008	AR1621724A	AR162AA	4/26/17 15:00	1711599999	1.00
9065	25PCBS17116001.009	AR1631724A	AR163AA	4/26/17 15:11	1711599999	1.00
9065	25PCBS17116001.010	AR1641724A	AR164AA	4/26/17 15:22	1711599999	1.00
9065	25PCBS17116001.011	AR1651724A	AR165AA	4/26/17 15:34	1711599999	1.00
9065	25PCBS17116001.012	AR4811724A	AR481AA	4/26/17 15:45	1711599999	1.00
9065	25PCBS17116001.013	AR4821724A	AR482AA	4/26/17 15:57	1711599999	1.00
9065	25PCBS17116001.014	AR4831724A	AR483AA	4/26/17 16:08	1711599999	1.00
9065	25PCBS17116001.015	AR4841724A	AR484AA	4/26/17 16:19	1711599999	1.00
9065	25PCBS17116001.016	AR4851724A	AR485AA	4/26/17 16:31	1711599999	1.00
9065	25PCBS17116001.017	AR5411724A	AR541AA	4/26/17 16:42	1711599999	1.00
9065	25PCBS17116001.018	AR5421724A	AR542AA	4/26/17 16:53	1711599999	1.00
9065	25PCBS17116001.019	AR5431724A	AR543AA	4/26/17 17:05	1711599999	1.00
9065	25PCBS17116001.020	AR5441724A	AR544AA	4/26/17 17:16	1711599999	1.00
9065	25PCBS17116001.021	AR5451724A	AR545AA	4/26/17 17:28	1711599999	1.00
9065	25PCBS17116001.022	AR6231624B	AR623AA	4/26/17 17:39	1711599999	1.00
9065	25PCBS17116001.023	AR6831724A	AR683AA	4/26/17 17:50	1711599999	1.00
9065	25PCBS17116001.024	AR2131724A	AR213AA	4/26/17 18:02	1711599999	1.00
9065	25PCBS17116001.025	AR3231724A	AR323AA	4/26/17 18:13	1711599999	1.00
9065	25PCBS17116001.026	AR4231724A	AR423AA	4/26/17 18:25	1711599999	1.00
9065	25PCBS17116001.027	AR16XX1724A	AR16XAA	4/26/17 18:36	1711599999	1.00
9065	25PCBS17116001.028	MD16X1724A	MD16XAA	4/26/17 18:47	1711599999	1.00
9065	25PCBS17116001.029	IC16X1724A	IC16XAA	4/26/17 18:58	1711599999	1.00
9065	25PCBS17116001.030	IC48X1724A	IC48XAA	4/26/17 19:10	1711599999	1.00
9065	25PCBS17116001.031	IC54X1724A	IC54XAA	4/26/17 19:21	1711599999	1.00
9065	25PCBS17116001.032	BLANKA 4/25/17 ACF	PBLK43114	4/26/17 19:33	171140043A	10.00
9065	25PCBS17116001.033	LCSA 4/25/17 ACF	LCS43114	4/26/17 19:44	171140043A	10.00
9065	25PCBS17116001.034	8948180 RI ACF	526AR	4/26/17 19:55	171140043A	10.00
9065	25PCBS17116001.035	8952554 RI ACF	93375	4/26/17 20:07	171140043A	10.00
9065	25PCBS17116001.036	8952555 RI ACF	93376	4/26/17 20:18	171140043A	10.00
9065	25PCBS17116001.037	8952556 RI ACF	93374	4/26/17 20:30	171140043A	10.00
9065	25PCBS17116001.038	8952558 RI ACF	93373	4/26/17 20:41	171140043A	10.00
9065	25PCBS17116001.039	8953175 RI ACF	CHW01	4/26/17 20:52	171140043A	10.00
9065	25PCBS17116001.040	8953325 RI ACF	06134	4/26/17 21:04	171140043A	10.00
9065	25PCBS17116001.041	8953330 RI ACF	99104	4/26/17 21:15	171140043A	10.00
9065	25PCBS17116001.042	AR1631724A	AR163TQ	4/26/17 21:26	1711599999	1.00
9065	25PCBS17116001.043	IBLKX1724A	PIBLKID	4/26/17 21:38	1711599999	10.00
9065	25PCBS17116001.044	8953507 RI ACF	GL312	4/26/17 21:49	171140043A	10.00
9065	25PCBS17116001.045	8953508 RI ACF	GL313	4/26/17 22:00	171140043A	10.00
9065	25PCBS17116001.046	8953508MSACF	GL313MS	4/26/17 22:12	171140043A	10.00
9065	25PCBS17116001.047	8953508MSDACF	GL313MSD	4/26/17 22:23	171140043A	10.00
9065	25PCBS17116001.048	8953509 RI ACF	GL314	4/26/17 22:34	171140043A	10.00
9065	25PCBS17116001.049	8953510 RI ACF	GL315	4/26/17 22:46	171140043A	10.00
9065	25PCBS17116001.050	8953511 RI ACF	GL316	4/26/17 22:57	171140043A	10.00
9065	25PCBS17116001.051	8953512 RI ACF	GL317	4/26/17 23:09	171140043A	10.00
9065	25PCBS17116001.052	8953513 RI ACF	GL318	4/26/17 23:20	171140043A	10.00
9065	25PCBS17116001.053	8953514 RI ACF	GL319	4/26/17 23:32	171140043A	10.00
9065	25PCBS17116001.054	AR1631724A	AR163TR	4/26/17 23:43	1711599999	1.00
9065	25PCBS17116001.055	IBLKX1724A	PIBLKIE	4/26/17 23:55	1711599999	10.00
9065	25PCBS17116001.056	8953515 RI ACF	GL320	4/27/17 0:06	171140043A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17116001.057	8953516 RI ACF	GL321	4/27/17 0:17	171140043A	10.00
9065	25PCBS17116001.058	8953517 RI ACF	GL322	4/27/17 0:28	171140043A	10.00
9065	25PCBS17116001.059	8953518 RI ACF	GL323	4/27/17 0:40	171140043A	10.00
9065	25PCBS17116001.060	AR1631724A	AR163TS	4/27/17 0:51	1711599999	1.00
9065	25PCBS17116001.061	IBLKX1724A	PIBLKIF	4/27/17 1:03	1711599999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 20PCBS17137001
Instrument CP20--17342A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	20PCBS17137001.001	CONDITIONER		5/17/17 16:32	1713699999	1.00
2855	20PCBS17137001.002	CONDITIONER		5/17/17 16:43	1713699999	1.00
2855	20PCBS17137001.003	CONDITIONER		5/17/17 16:55	1713699999	1.00
2855	20PCBS17137001.004	CONDITIONER		5/17/17 17:06	1713699999	1.00
2855	20PCBS17137001.005	IBLKX1724A	PIBLKAA	5/17/17 17:17	1713699999	10.00
2855	20PCBS17137001.006	EVALX1624B	EVALXAA	5/17/17 17:29	1713699999	1.00
2855	20PCBS17137001.007	AR1611724A	AR161AA	5/17/17 17:40	1713699999	1.00
2855	20PCBS17137001.008	AR1621724A	AR162AA	5/17/17 17:51	1713699999	1.00
2855	20PCBS17137001.009	AR1631724A	AR163AA	5/17/17 18:03	1713699999	1.00
2855	20PCBS17137001.010	AR1641724A	AR164AA	5/17/17 18:14	1713699999	1.00
2855	20PCBS17137001.011	AR1651724A	AR165AA	5/17/17 18:26	1713699999	1.00
2855	20PCBS17137001.012	AR4811724A	AR481AA	5/17/17 18:37	1713699999	1.00
2855	20PCBS17137001.013	AR4821724A	AR482AA	5/17/17 18:49	1713699999	1.00
2855	20PCBS17137001.014	AR4831724A	AR483AA	5/17/17 19:00	1713699999	1.00
2855	20PCBS17137001.015	AR4841724A	AR484AA	5/17/17 19:12	1713699999	1.00
2855	20PCBS17137001.016	AR4851724A	AR485AA	5/17/17 19:23	1713699999	1.00
2855	20PCBS17137001.017	AR5411724A	AR541AA	5/17/17 19:34	1713699999	1.00
2855	20PCBS17137001.018	AR5421724A	AR542AA	5/17/17 19:46	1713699999	1.00
2855	20PCBS17137001.019	AR5431724A	AR543AA	5/17/17 19:57	1713699999	1.00
2855	20PCBS17137001.020	AR5441724A	AR544AA	5/17/17 20:09	1713699999	1.00
2855	20PCBS17137001.021	AR5451724A	AR545AA	5/17/17 20:20	1713699999	1.00
2855	20PCBS17137001.022	AR6231724A	AR623AA	5/17/17 20:31	1713699999	1.00
2855	20PCBS17137001.023	AR6831724A	AR683AA	5/17/17 20:43	1713699999	1.00
2855	20PCBS17137001.024	AR2131724A	AR213AA	5/17/17 20:54	1713699999	1.00
2855	20PCBS17137001.025	AR3231724A	AR323AA	5/17/17 21:06	1713699999	1.00
2855	20PCBS17137001.026	AR4231724A	AR423AA	5/17/17 21:17	1713699999	1.00
2855	20PCBS17137001.027	AR16XX1724A	AR16XAA	5/17/17 21:29	1713699999	1.00
2855	20PCBS17137001.028	MD16X1724A	MD16XAA	5/17/17 21:40	1713699999	1.00
2855	20PCBS17137001.029	IC16X1724A	IC16XAA	5/17/17 21:52	1713699999	1.00
2855	20PCBS17137001.030	IC48X1724A	IC48XAA	5/17/17 22:03	1713699999	1.00
2855	20PCBS17137001.031	IC54X1724A	IC54XAA	5/17/17 22:15	1713699999	1.00
2855	20PCBS17137001.032	BLANKA 5/16/17 RI A	PBLK35135	5/17/17 22:26	171350035A	10.00
2855	20PCBS17137001.033	LOD 5/16/17 RI A		5/17/17 22:38	171350035A	10.00
2855	20PCBS17137001.034	AR1631724A	AR163BR	5/17/17 22:49	1713699999	1.00
2855	20PCBS17137001.035	IBLKX1724A	PIBLKUF	5/17/17 23:01	1713699999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17116021
Instrument CP25--18274A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	25PCBS17116021.001	CONDITIONER		5/26/17 14:20	1714599999	1.00
2855	25PCBS17116021.002	CONDITIONER		5/26/17 14:31	1714599999	1.00
2855	25PCBS17116021.003	CONDITIONER		5/26/17 14:42	1714599999	1.00
2855	25PCBS17116021.004	CONDITIONER		5/26/17 14:54	1714599999	1.00
2855	25PCBS17116021.005	AR1631724A	AR163FO	5/26/17 15:05	1714599999	1.00
2855	25PCBS17116021.006	IBLKX1724A	PIBLKAD	5/26/17 15:16	1714599999	10.00
2855	25PCBS17116021.007	9004829ACF DF20	A5409	5/26/17 15:28	171440024A	200.00
2855	25PCBS17116021.008	9004829ACF DF50	A5409	5/26/17 15:39	171440024A	500.00
2855	25PCBS17116021.009	9004831ACF DF10	A5411	5/26/17 15:50	171440024A	100.00
2855	25PCBS17116021.010	9004831ACF DF20	A5411	5/26/17 16:01	171440024A	200.00
2855	25PCBS17116021.011	9004836ACF DF50	A5414	5/26/17 16:13	171440024A	500.00
2855	25PCBS17116021.012	9004836ACF DF100	A5414	5/26/17 16:24	171440024A	1,000.00
2855	25PCBS17116021.013	BLANKA 5/25/17 ACF	PBLK04145	5/26/17 16:36	171450004A	10.00
2855	25PCBS17116021.014	LCSA 5/25/17 ACF	LCS04145	5/26/17 16:47	171450004A	10.00
2855	25PCBS17116021.015	9001102RACF	A4914	5/26/17 16:58	171450004A	10.00
2855	25PCBS17116021.016	9004801ACF DF50	A5302	5/26/17 17:10	171450004A	500.00
2855	25PCBS17116021.017	9004802ACF DF5	A5303	5/26/17 17:21	171450004A	50.00
2855	25PCBS17116021.018	9004802ACF DF10	A5303	5/26/17 17:32	171450004A	100.00
2855	25PCBS17116021.019	9004803ACF DF5	A5304	5/26/17 17:44	171450004A	50.00
2855	25PCBS17116021.020	9004803ACF DF10	A5304	5/26/17 17:55	171450004A	100.00
2855	25PCBS17116021.021	9004804ACF DF50	A5305	5/26/17 18:07	171450004A	500.00
2855	25PCBS17116021.022	9004805ACF DF5	A5306	5/26/17 18:18	171450004A	50.00
2855	25PCBS17116021.023	9004806ACF DF5	A5307	5/26/17 18:29	171450004A	50.00
2855	25PCBS17116021.024	9004807ACF DF20	A5308	5/26/17 18:40	171450004A	200.00
2855	25PCBS17116021.025	9004807ACF DF50	A5308	5/26/17 18:52	171450004A	500.00
2855	25PCBS17116021.026	9004808ACF DF5	A5309	5/26/17 19:03	171450004A	50.00
2855	25PCBS17116021.027	AR1631724A	AR163FP	5/26/17 19:14	1714599999	1.00
2855	25PCBS17116021.028	IBLKX1724A	PIBLKAE	5/26/17 19:26	1714599999	10.00
2855	25PCBS17116021.029	9004809ACF DF5	A5310	5/26/17 19:37	171450004A	50.00
2855	25PCBS17116021.030	9004810ACF DF5	A5311	5/26/17 19:48	171450004A	50.00
2855	25PCBS17116021.031	9004811ACF DF20	A5312	5/26/17 20:00	171450004A	200.00
2855	25PCBS17116021.032	9004812ACF DF20	A5313	5/26/17 20:11	171450004A	200.00
2855	25PCBS17116021.033	9004813ACF DF10	A5314	5/26/17 20:22	171450004A	100.00
2855	25PCBS17116021.034	9004814 RI ACF	A5315	5/26/17 20:34	171450004A	10.00
2855	25PCBS17116021.035	9004814ACF DF5	A5315	5/26/17 20:45	171450004A	50.00
2855	25PCBS17116021.036	9004815 RI ACF	A5316	5/26/17 20:56	171450004A	10.00
2855	25PCBS17116021.037	9004816ACF DF20	A5317	5/26/17 21:08	171450004A	200.00
2855	25PCBS17116021.038	9004817ACF DF5	A5318	5/26/17 21:19	171450004A	50.00
2855	25PCBS17116021.039	9004818ACF DF5	A5319	5/26/17 21:30	171450004A	50.00
2855	25PCBS17116021.040	9004819MSACF DF5	A5319	5/26/17 21:42	171450004A	50.00
2855	25PCBS17116021.041	9004820MSDACF DF	A5319	5/26/17 21:53	171450004A	50.00
2855	25PCBS17116021.042	AR1631724A	AR163FQ	5/26/17 22:04	1714599999	1.00
2855	25PCBS17116021.043	IBLKX1724A	PIBLKAF	5/26/17 22:16	1714599999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 20PCBS17137007
Instrument CP20--17342A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	20PCBS17137007.001	CONDITIONER		5/24/17 20:01	1714399999	1.00
2855	20PCBS17137007.002	CONDITIONER		5/24/17 20:12	1714399999	1.00
2855	20PCBS17137007.003	CONDITIONER		5/24/17 20:23	1714399999	1.00
2855	20PCBS17137007.004	CONDITIONER		5/24/17 20:35	1714399999	1.00
2855	20PCBS17137007.005	AR1631724A	AR163EL	5/24/17 20:46	1714399999	1.00
2855	20PCBS17137007.006	IBLKX1724A	PIBLKYR	5/24/17 20:57	1714399999	10.00
2855	20PCBS17137007.007	AR4231724A	AA	5/24/17 21:09	1714399999	1.00
2855	20PCBS17137007.008	AR4831724A	AA	5/24/17 21:20	1714399999	1.00
2855	20PCBS17137007.009	AR5431724A	AA	5/24/17 21:31	1714399999	1.00
2855	20PCBS17137007.010	9004133ACF DF10	DA520	5/24/17 21:43	171420023A	100.00
2855	20PCBS17137007.011	CONDITIONER		5/24/17 21:54	1714399999	1.00
2855	20PCBS17137007.012	9004133ACF DF20	DA520	5/24/17 22:06	171420023A	200.00
2855	20PCBS17137007.013	CONDITIONER		5/24/17 22:17	1714399999	1.00
2855	20PCBS17137007.014	9001089 RI ACF	A4903	5/24/17 22:29	171420036A	10.00
2855	20PCBS17137007.015	9001089ACF DF5	A4903	5/24/17 22:40	171420036A	50.00
2855	20PCBS17137007.016	AR1631724A	AR163EM	5/24/17 22:51	1714399999	1.00
2855	20PCBS17137007.017	IBLKX1724A	PIBLKYS	5/24/17 23:03	1714399999	10.00
2855	20PCBS17137007.018	BLANKA 5/24/17 CAF	PBLK11143	5/24/17 23:14	171430011A	2.00
2855	20PCBS17137007.019	LCSA 5/24/17 CAF	LCS11143	5/24/17 23:26	171430011A	2.00
2855	20PCBS17137007.020	LCSDA 5/24/17 CAF	LCSD11143	5/24/17 23:37	171430011A	2.00
2855	20PCBS17137007.021	AR1631724A	AR163EV	5/24/17 23:49	1714399999	1.00
2855	20PCBS17137007.022	IBLKX1724A	PIBLKZB	5/25/17 0:00	1714399999	10.00
2855	20PCBS17137007.023	9001150CAF	52A22	5/25/17 0:12	171430011A	2.00
2855	20PCBS17137007.024	9004800CAF	A5301	5/25/17 0:23	171430011A	2.00
2855	20PCBS17137007.025	9005022CAF	12202	5/25/17 0:35	171430011A	2.00
2855	20PCBS17137007.026	9005023CAF	12203	5/25/17 0:46	171430011A	2.00
2855	20PCBS17137007.027	9007661CAF	A6106	5/25/17 0:58	171430011A	2.00
2855	20PCBS17137007.028	BLANKA 5/24/17 CAF	PBLK09143	5/25/17 1:09	171430009A	2.00
2855	20PCBS17137007.029	LCSA 5/24/17 CAF	LCS09143	5/25/17 1:20	171430009A	2.00
2855	20PCBS17137007.030	AR1631724A	AR163EN	5/25/17 1:32	1714399999	1.00
2855	20PCBS17137007.031	IBLKX1724A	PIBLKYT	5/25/17 1:43	1714399999	10.00
2855	20PCBS17137007.032	8995590RCAF	LP--4	5/25/17 1:55	171430009A	2.00
2855	20PCBS17137007.033	8995591RCAF	DERLP	5/25/17 2:06	171430009A	2.00
2855	20PCBS17137007.034	9004735CAF	DLF02	5/25/17 2:18	171430009A	2.00
2855	20PCBS17137007.035	9004736MSCAF	DLF02	5/25/17 2:29	171430009A	2.00
2855	20PCBS17137007.036	9004737MSDCAF	DLF02	5/25/17 2:41	171430009A	2.00
2855	20PCBS17137007.037	9004743CAF	DLF1B	5/25/17 2:52	171430009A	2.00
2855	20PCBS17137007.038	9004745CAF	DLF1A	5/25/17 3:04	171430009A	2.00
2855	20PCBS17137007.039	9004747CAF	DLFFD	5/25/17 3:15	171430009A	2.00
2855	20PCBS17137007.040	9004749CAF	DLFE2	5/25/17 3:27	171430009A	2.00
2855	20PCBS17137007.041	BLANKA 5/23/17 CAF	PBLK21143	5/25/17 3:38	171430021A	2.00
2855	20PCBS17137007.042	AR1631724A	AR163EO	5/25/17 3:50	1714399999	1.00
2855	20PCBS17137007.043	IBLKX1724A	PIBLKYU	5/25/17 4:01	1714399999	10.00
2855	20PCBS17137007.044	LCSA 5/23/17 CAF	LCS21143	5/25/17 4:12	171430021A	2.00
2855	20PCBS17137007.045	8994865RCAF	CMG22	5/25/17 4:24	171430021A	2.00
2855	20PCBS17137007.046	8994866RMSCAF	CMG22	5/25/17 4:35	171430021A	2.00
2855	20PCBS17137007.047	8994867RMSDCAF	CMG22	5/25/17 4:47	171430021A	2.00
2855	20PCBS17137007.048	8994870RCAF	CMG23	5/25/17 4:58	171430021A	2.00
2855	20PCBS17137007.049	8994871RCAF	CMG25	5/25/17 5:09	171430021A	2.00
2855	20PCBS17137007.050	8994872RCAF	CMG26	5/25/17 5:21	171430021A	2.00
2855	20PCBS17137007.051	8994873RCAF	CMG27	5/25/17 5:32	171430021A	2.00
2855	20PCBS17137007.052	8994874RCAF	CG127	5/25/17 5:43	171430021A	2.00
2855	20PCBS17137007.053	8994875RCAF	E2004	5/25/17 5:55	171430021A	2.00
2855	20PCBS17137007.054	AR1631724A	AR163EP	5/25/17 6:06	1714399999	1.00
2855	20PCBS17137007.055	IBLKX1724A	PIBLKYV	5/25/17 6:18	1714399999	10.00
2855	20PCBS17137007.056	8994876RCAF	CMG28	5/25/17 6:29	171430021A	2.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	20PCBS17137007.057	8994877RCAF	CMG24	5/25/17 6:41	171430021A	2.00
2855	20PCBS17137007.058	8994878RCAF	CMG19	5/25/17 6:52	171430021A	2.00
2855	20PCBS17137007.059	8994879RCAF	E2005	5/25/17 7:04	171430021A	2.00
2855	20PCBS17137007.060	BLANKA 5/24/17 ACF	PBLK31143	5/25/17 7:15	171430031A	10.00
2855	20PCBS17137007.061	LCSA 5/24/17 ACF	LCS31143	5/25/17 7:27	171430031A	10.00
2855	20PCBS17137007.062	AR1631724A	AR163EQ	5/25/17 7:38	1714399999	1.00
2855	20PCBS17137007.063	IBLKX1724A	PIBLKYW	5/25/17 7:49	1714399999	10.00
2855	20PCBS17137007.064	9001109ACF DF10	51A03	5/25/17 8:01	171430031A	100.00
2855	20PCBS17137007.065	9001110ACF	51A04	5/25/17 8:12	171430031A	10.00
2855	20PCBS17137007.066	9001111ACF	51A05	5/25/17 8:24	171430031A	10.00
2855	20PCBS17137007.067	9001112ACF	51A06	5/25/17 8:35	171430031A	10.00
2855	20PCBS17137007.068	9001113ACF	51A07	5/25/17 8:47	171430031A	10.00
2855	20PCBS17137007.069	9001114ACF DF5	51A08	5/25/17 8:58	171430031A	50.00
2855	20PCBS17137007.070	9001115ACF	51A09	5/25/17 9:09	171430031A	10.00
2855	20PCBS17137007.071	9001116ACF DF5	51A10	5/25/17 9:21	171430031A	50.00
2855	20PCBS17137007.072	9001117ACF	51A11	5/25/17 9:32	171430031A	10.00
2855	20PCBS17137007.073	9001118ACF DF5	51A12	5/25/17 9:44	171430031A	50.00
2855	20PCBS17137007.074	9001118MSACF DF5	51A12MS	5/25/17 9:55	171430031A	50.00
2855	20PCBS17137007.075	9001118MSDACF DF	51A12MSD	5/25/17 10:06	171430031A	50.00
2855	20PCBS17137007.076	9001119ACF DF5	51A13	5/25/17 10:18	171430031A	50.00
2855	20PCBS17137007.077	9001120ACF DF5	51A14	5/25/17 10:29	171430031A	50.00
2855	20PCBS17137007.078	9001121ACF DF5	51A15	5/25/17 10:41	171430031A	50.00
2855	20PCBS17137007.079	9001122ACF	51A16	5/25/17 10:52	171430031A	10.00
2855	20PCBS17137007.080	9001123ACF DF5	51A17	5/25/17 11:04	171430031A	50.00
2855	20PCBS17137007.081	9001124ACF DF10	51A18	5/25/17 11:15	171430031A	100.00
2855	20PCBS17137007.082	9001125ACF DF5	51A19	5/25/17 11:27	171430031A	50.00
2855	20PCBS17137007.083	9001126ACF	51A20	5/25/17 11:38	171430031A	10.00
2855	20PCBS17137007.084	AR1631724A	AR163ER	5/25/17 11:50	1714399999	1.00
2855	20PCBS17137007.085	IBLKX1724A	PIBLKYX	5/25/17 12:01	1714399999	10.00
2855	20PCBS17137007.086	9001127ACF DF5	52A01	5/25/17 12:13	171430031A	50.00
2855	20PCBS17137007.087	9001128ACF	52A02	5/25/17 12:24	171430031A	10.00
2855	20PCBS17137007.088	AR1631724A	AR163ES	5/25/17 12:36	1714399999	1.00
2855	20PCBS17137007.089	IBLKX1724A	PIBLKYY	5/25/17 12:47	1714399999	10.00
2855	20PCBS17137007.090	IBLKX1724A	PIBLKYZ	5/25/17 12:59	1714399999	10.00
2855	20PCBS17137007.091	AR1631724A	AR163ET	5/25/17 13:10	1714399999	1.00
2855	20PCBS17137007.092	BLANKA 5/24/17 ACF	PBLK32143	5/25/17 13:22	171430032A	10.00
2855	20PCBS17137007.093	LCSA 5/24/17 ACF	LCS32143	5/25/17 13:33	171430032A	10.00
2855	20PCBS17137007.094	9007238ACF	12721	5/25/17 13:44	171430032A	10.00
2855	20PCBS17137007.095	9007238ACF DF5	12721	5/25/17 13:56	171430032A	50.00
2855	20PCBS17137007.096	9007810ACF	14T01	5/25/17 14:07	171430032A	10.00
2855	20PCBS17137007.097	9007811MSACF	14T01	5/25/17 14:19	171430032A	10.00
2855	20PCBS17137007.098	9007812MSDACF	14T01	5/25/17 14:30	171430032A	10.00
2855	20PCBS17137007.099	IBLKX1724A	PIBLKZA	5/25/17 14:42	1714399999	10.00
2855	20PCBS17137007.100	AR1631724A	AR163EU	5/25/17 14:53	1714399999	1.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 20PCBS17137012
Instrument CP20--17342A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	20PCBS17137012.001	CONDITIONER		5/30/17 18:30	1714999999	1.00
9065	20PCBS17137012.002	CONDITIONER		5/30/17 18:42	1714999999	1.00
9065	20PCBS17137012.003	CONDITIONER		5/30/17 18:53	1714999999	1.00
9065	20PCBS17137012.004	CONDITIONER		5/30/17 19:04	1714999999	1.00
9065	20PCBS17137012.005	AR1631724A	AR163GL	5/30/17 19:16	1714999999	1.00
9065	20PCBS17137012.006	IBLKX1724A	PIBLKBU	5/30/17 19:27	1714999999	10.00
9065	20PCBS17137012.007	9009159 RI ACF	D1901	5/30/17 19:39	171450029A	10.00
9065	20PCBS17137012.008	9010877 RI ACF	54051	5/30/17 19:50	171450029A	10.00
9065	20PCBS17137012.009	9010880ACF DF5	54052	5/30/17 20:02	171450029A	50.00
9065	20PCBS17137012.010	9011634 RI ACF	E3200	5/30/17 20:13	171450029A	10.00
9065	20PCBS17137012.011	9011635 RI ACF	E3217	5/30/17 20:24	171450029A	10.00
9065	20PCBS17137012.012	9011636 RI ACF	E3250	5/30/17 20:36	171450029A	10.00
9065	20PCBS17137012.013	9011637 RI ACF	E3210	5/30/17 20:47	171450029A	10.00
9065	20PCBS17137012.014	9012396 RI ACF	R0108	5/30/17 20:59	171450029A	10.00
9065	20PCBS17137012.015	9013867 RI ACF	1E300	5/30/17 21:10	171450029A	10.00
9065	20PCBS17137012.016	9013868 RI ACF	1E317	5/30/17 21:22	171450029A	10.00
9065	20PCBS17137012.017	AR1631724A	AR163GB	5/30/17 21:33	1714999999	1.00
9065	20PCBS17137012.018	IBLKX1724A	PIBLKBF	5/30/17 21:45	1714999999	10.00
9065	20PCBS17137012.019	9013869 RI ACF	1E350	5/30/17 21:56	171450029A	10.00
9065	20PCBS17137012.020	9013870 RI ACF	1E310	5/30/17 22:08	171450029A	10.00
9065	20PCBS17137012.021	9013895 RI ACF	E3500	5/30/17 22:19	171450029A	10.00
9065	20PCBS17137012.022	9013896 RI ACF	E3517	5/30/17 22:31	171450029A	10.00
9065	20PCBS17137012.023	9013897 RI ACF	E3550	5/30/17 22:42	171450029A	10.00
9065	20PCBS17137012.024	9013898 RI ACF	E3510	5/30/17 22:54	171450029A	10.00
9065	20PCBS17137012.025	AR1631724A	AR163GC	5/30/17 23:05	1714999999	1.00
9065	20PCBS17137012.026	IBLKX1724A	PIBLKBG	5/30/17 23:17	1714999999	10.00
9065	20PCBS17137012.027	9004831ACF DF50	A5411	5/30/17 23:28	171440024A	500.00
9065	20PCBS17137012.028	9004831ACF DF100	A5411	5/30/17 23:39	171440024A	1,000.00
9065	20PCBS17137012.029	9004817 RI ACF	A5318	5/30/17 23:51	171450004A	10.00
9065	20PCBS17137012.030	9004801 RI ACF	A5302	5/31/17 0:02	171450004A	10.00
9065	20PCBS17137012.031	9004804 RI ACF	A5305	5/31/17 0:14	171450004A	10.00
9065	20PCBS17137012.032	9004804ACF DF5	A5305	5/31/17 0:25	171450004A	50.00
9065	20PCBS17137012.033	9004805ACF DF10	A5306	5/31/17 0:37	171450004A	100.00
9065	20PCBS17137012.034	9004807 RI ACF	A5308	5/31/17 0:48	171450004A	10.00
9065	20PCBS17137012.035	9004807ACF DF5	A5308	5/31/17 0:59	171450004A	50.00
9065	20PCBS17137012.036	9004869ACF DF5	A5608	5/31/17 1:11	171450027A	50.00
9065	20PCBS17137012.037	9004869ACF DF10	A5608	5/31/17 1:22	171450027A	100.00
9065	20PCBS17137012.038	9004870ACF DF50	A5609	5/31/17 1:34	171450027A	500.00
9065	20PCBS17137012.039	9004870ACF DF100	A5609	5/31/17 1:45	171450027A	1,000.00
9065	20PCBS17137012.040	9004871 RI ACF	A5610	5/31/17 1:57	171450027A	10.00
9065	20PCBS17137012.041	9004871ACF DF5	A5610	5/31/17 2:08	171450027A	50.00
9065	20PCBS17137012.042	9004872ACF DF10	A5611	5/31/17 2:20	171450027A	100.00
9065	20PCBS17137012.043	9004872ACF DF20	A5611	5/31/17 2:31	171450027A	200.00
9065	20PCBS17137012.044	9004873ACF DF5	A5612	5/31/17 2:42	171450027A	50.00
9065	20PCBS17137012.045	9004873ACF DF10	A5612	5/31/17 2:54	171450027A	100.00
9065	20PCBS17137012.046	9004878ACF DF50	A5617	5/31/17 3:05	171450027A	500.00
9065	20PCBS17137012.047	AR1631724A	AR163GJ	5/31/17 3:17	1714999999	1.00
9065	20PCBS17137012.048	IBLKX1724A	PIBLKBS	5/31/17 3:28	1714999999	10.00
9065	20PCBS17137012.049	9004878ACF DF100	A5617	5/31/17 3:40	171450027A	1,000.00
9065	20PCBS17137012.050	9004878ACF DF200	A5617	5/31/17 3:51	171450027A	2,000.00
9065	20PCBS17137012.051	AR1631724A	AR163GK	5/31/17 4:03	1714999999	1.00
9065	20PCBS17137012.052	IBLKX1724A	PIBLKBT	5/31/17 4:14	1714999999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATE53

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

10227: PCBs in Water Analyte Name	Default MDL	Default LOQ	Units
PCB-1016	0.080	0.40	ug/l
PCB-1221	0.080	0.40	ug/l
PCB-1232	0.16	0.40	ug/l
PCB-1242	0.080	0.40	ug/l
PCB-1248	0.080	0.40	ug/l
PCB-1254	0.080	0.40	ug/l
PCB-1260	0.12	0.40	ug/l

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Data Summary

Sample Name: 9004800 CAF A5301 Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 247 ml Total Volume: 2 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10227

Analysis Report (A)

Injected on	May 25, 2017 00:23:41
Instrument	17342A
Result file	20PCBS17137007.024.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 88% (33 - 137) Conc: 0.260532
%SSR(DCB) 79% (10 - 148) Conc: 0.234021

Analysis Report (B)

Injected on	May 25, 2017 00:23:41
Instrument	17342B
Result file	20PCBS17137007B.024.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 86% (33 - 137) Conc: 0.253794
%SSR(DCB) 80% (10 - 148) Conc: 0.237909

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3656462	0.260532	Tetrachloro-m-xylene	2.59	2.61	2.65	21668050	0.253794
Decachlorobiphenyl	6.58	6.61	6.64	1988901	0.234021	Decachlorobiphenyl	6.08	6.11	6.14	14314180	0.237909

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	0.260532				2.62	
☑	Decachlorobiphenyl	B	0.237909				1.65	

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<0.4049	<0.081			4	
☑	PCB-1221			<0.4049	<0.081			3	
☑	PCB-1232			<0.4049	<0.1619			4	
☑	PCB-1242			<0.4049	<0.081			4	
☑	PCB-1248			<0.4049	<0.081			4	
☑	PCB-1254			<0.4049	<0.081			4	
☑	PCB-1260			<0.4049	<0.1215			4	

Units: ug/l

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist
Date: MAY 26 2017

Verified by:
Date: MAY 26 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004800** CAF A5301 Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 247 ml Total Volume: 2 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10227

Analysis Report (A)

Injected on : May 25, 2017 00:23:41
Instrument : CP20--17342A
Result file : 20PCBS17137007.024.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 88% (33-137) Conc.: 0.260532
%SSR(DCB) : 79% (10-148) Conc.: 0.234021

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	52.27	
3.16	3.19	3.20	1644.46	0.006489			1
3.37	3.39	3.41	4177.747	0.016145			2
3.76	3.79	3.80	2016.691	0.007639			5
Height Summation:			7838.898				
Amount Avg CF:			0.010091	Linear:			
Aroclor-1221					3	112.93	
3.06	3.07	3.10	1705.585	0.01405			1
3.11	3.12	3.15	6381.552	0.060809			2
3.16	3.19	3.20	1644.46	0.004851			3
Height Summation:			9731.597				
Amount Avg CF:			0.02657	Linear:			
Aroclor-1232					3	75.61	
3.16	3.19	3.20	1644.46	0.005407			1
3.38	3.39	3.42	4177.747	0.03414			2
3.77	3.79	3.81	2016.691	0.017661			5
Height Summation:			7838.898				
Amount Avg CF:			0.019069	Linear:			
Aroclor-1242					3	51.69	
3.16	3.19	3.20	1644.46	0.007575			1
3.38	3.39	3.42	4177.747	0.019489			2
3.77	3.79	3.81	2016.691	0.009754			5
Height Summation:			7838.898				
Amount Avg CF:			0.012273	Linear:			
Aroclor-1248					3	128.05	
3.76	3.79	3.80	2016.691	0.01407			1
3.83	3.85	3.87	908.1778	0.003484			2
4.05	4.08	4.09	20728.5	0.081228			4
Height Summation:			23653.3688				
Amount Avg CF:			0.032928	Linear:			
Aroclor-1254					1		
4.55	4.57	4.59	1300.444	0.003631			2
Height Summation:			1300.444				
Amount Avg CF:			0.003631	Linear:			
Aroclor-1260					2	18.45	
5.20	5.21	5.24	1289.813	0.003852			3
5.82	5.84	5.86	1541.55	0.002963			6
Height Summation:			2831.363				
Amount Avg CF:			0.003407	Linear:			
Aroclor-1262					2	7.22	
5.21	5.21	5.24	1289.813	0.002092			1
5.81	5.84	5.85	1541.55	0.002317			4
Height Summation:			2831.363				
Amount Avg CF:			0.002205	Linear:			
Aroclor-1268					4	143.06	
5.81	5.84	5.85	1541.55	0.001042			1
6.00	6.02	6.04	32284.26	0.026823			3
6.07	6.09	6.11	31747.03	0.11505			4
6.45	6.47	6.49	22022.31	0.00566			6
Height Summation:			87595.15				
Amount Avg CF:			0.037144	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 00:23:41
Instrument : CP20--17342B
Result file : 20PCBS17137007B.024.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 86% (33-137) Conc.: 0.253794
%SSR(DCB) : 80% (10-148) Conc.: 0.237909

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	181.79	
2.88	2.88	2.92	5028.197	0.003601			1
3.21	3.22	3.25	4452.479	0.002566			2
3.47	3.49	3.51	3644.464	0.001767			4
3.63	3.64	3.67	6433.343	0.003713			5
+ 3.72	3.72	3.76	10136.41	0.006827			6
3.72	3.76	3.76	98094.5	0.06607			6
Height Summation:			117652.983				
Amount Avg CF:			0.015543	Linear:			
Aroclor-1221					2	114.07	
2.83	2.83	2.87	11321.25	0.024919			2
2.88	2.88	2.92	5028.197	0.002668			3
Height Summation:			16349.447				
Amount Avg CF:			0.013794	Linear:			
Aroclor-1232					5	178.29	
2.88	2.88	2.92	5028.197	0.002947			1
3.21	3.22	3.25	4452.479	0.0054			2
3.47	3.49	3.51	3644.464	0.004021			4
3.66	3.67	3.70	192554.7	0.777949			5
3.73	3.76	3.77	98094.5	0.151164			6
Height Summation:			303774.34				
Amount Avg CF:			0.188296	Linear:			
Aroclor-1242					5	135.99	
2.88	2.88	2.92	5028.197	0.004188			1
3.21	3.22	3.25	4452.479	0.003105			2
3.47	3.49	3.51	3644.464	0.002261			4
+ 3.64	3.64	3.68	6433.343	0.004848			5
3.64	3.67	3.68	192554.7	0.145105			5
3.73	3.76	3.77	98094.5	0.082527			6
Height Summation:			303774.34				
Amount Avg CF:			0.047437	Linear:			
Aroclor-1248					5	178.02	
3.51	3.52	3.55	3740.69	0.001928			2
3.63	3.64	3.67	6433.343	0.002655			3
+ 3.72	3.72	3.76	10136.41	0.005793			4
3.72	3.76	3.76	98094.5	0.056057			4
3.86	3.87	3.90	4668.55	0.001409			5
4.22	4.23	4.26	7353.434	0.005018			6
Height Summation:			120290.517				
Amount Avg CF:			0.013413	Linear:			
Aroclor-1254					3	30.76	
4.22	4.23	4.26	7353.434	0.001605			2
4.31	4.33	4.35	5878.706	0.002759			3
4.60	4.62	4.64	3790.871	0.001755			6
Height Summation:			17023.011				
Amount Avg CF:			0.002039	Linear:			
Aroclor-1260					4	50.61	
4.31	4.33	4.35	5878.706	0.001686			1
+ 4.55	4.57	4.59	2336.363	0.000706			3
4.55	4.58	4.59	3031.289	0.000916			3
4.90	4.91	4.94	4695.897	0.001847			4
5.09	5.11	5.13	3013.937	0.000522			5
Height Summation:			16619.829				
Amount Avg CF:			0.001243	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004800** CAF A5301 Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 247 ml Total Volume: 2 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10227

Analysis Report (A)

Injected on : May 25, 2017 00:23:41
Instrument : CP20--17342A
Result file : 20PCBS17137007.024.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 25, 2017 00:23:41
Instrument : CP20--17342B
Result file : 20PCBS17137007B.024.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**52.30**	
4.71	4.74	4.75	1926.956	0.000481			1
4.90	4.91	4.94	4695.897	0.001179			2
5.09	5.11	5.13	3013.937	0.000398			3
5.31	5.32	5.35	3595.51	0.001146			4
Height Summation:			**13232.3**				
Amount Avg CF:				**0.000801** Linear:			
Aroclor-1268					**4**	**146.94**	
5.31	5.32	5.35	3595.51	0.000352			1
5.51	5.53	5.55	226560.8	0.025483			3
5.57	5.59	5.61	256527.8	0.11934			4
5.93	5.95	5.97	153486.9	0.005798			6
Height Summation:			**640171.01**				
Amount Avg CF:				**0.037743** Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0.4049	0.081		** 42.54	4	40	
Aroclor-1221			0.4049	0.081		** 63.31	3	5	
Aroclor-1232			0.4049	0.1619		** 163.22	4	10	
Aroclor-1242			0.4049	0.081		** 117.78	4	30	
Aroclor-1248			0.4049	0.081		** 84.22	4	40	
Aroclor-1254			0.4049	0.081		** 56.12	4	40	
Aroclor-1260			0.4049	0.1215		** 93.10	4	40	
Aroclor-1262			0.4049	0.1619		** 93.39	4	40	
Aroclor-1268			0.4049	0.1296		1.60	4	40	

Units: ug/l

LANCASTER LABORATORIES

Sample Number: 9004800CAF ACA5301 T 171430011A 10227 SW-846 8082
Injected On: 5/25/2017 12:23:41 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.024.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		5022	4235
2.101		9078	11448
2.13		2606	1580
2.217		10974	8893
2.31		8032	4775
2.329		5240	3058
2.385		2605	3123
2.424		1394	1357
2.475		15708	11409
2.569		7156	5714
2.648		16391	12433
2.781		6354	4299
2.924	TCX	3656462	2373186
3.075		1706	3996
3.124		6382	4108
3.194		1644	1137
3.236		24882	15556
3.255		2967	1400
3.315		1127	1091
3.389		4178	3673
3.466		837	1055
3.535		871	916
3.666		2610	2472
3.79		2017	2124
3.85		908	888
4.006		825	941
4.08		20729	16411
4.169		12166	9148
4.191		2156	1706
4.297		5905	6471
4.385		945	1060
4.408		1776	1601
4.519		1169	1924
4.575		1300	1466
4.72		792	2019
4.879		6568	5964
4.925		1222	2233
5.119		13238	13052
5.209		1290	1773
5.367		1191	1579
5.431		50736	64217
5.53		13054	12576
5.652		24519	23594
5.837		1542	1325
6.023		32284	31218
6.088		31747	27180
6.466		22022	22934
6.612	DCB	1988901	2086523
6.728		1695	2645
7.483		659	866

LANCASTER LABORATORIES

Sample Number: 9004800CAF ACA5301 T 171430011A 10227 SW-846 8082
Injected On: 5/25/2017 12:23:41 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.024.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		10385	6837
2.053		35182	22908
2.095		111370	60708
2.114		11680	6104
2.156		56982	37454
2.199		3922	2436
2.236		17219	27059
2.323		4728	4189
2.364		106998	65232
2.395		48741	28421
2.452		2642	1658
2.473		5199	3706
2.567		6005	5712
2.614	TCX	21668050	12652450
2.732		2825	2377
2.835		11321	5820
2.88		5028	3716
2.922		151048	88392
2.948		23406	11487
2.999		6494	5669
3.119		30478	27965
3.172		8107	9129
3.217		4452	4460
3.325		13809	10570
3.375		5122	6438
3.396		10659	10173
3.448		3990	5371
3.485		3644	4132
3.523		3741	2935
3.558		3802	3611
3.589		18267	14508
3.639		6433	6202
3.673		192555	122990
3.725		10136	37184
3.759		98095	64991
3.809		2836	5026
3.874		4669	6659
3.935		20028	13578
3.988		1728	2017
4.006		7529	9556
4.07		30393	26211
4.109		2966	2332
4.15		11824	18262
4.198		12053	18147
4.231		7353	8625
4.33		5879	13953
4.437		46144	36488
4.53		3322	6264
4.566		2336	1770
4.581		3031	1779
4.617		3791	2730
4.642		4178	2701
4.667		70301	51878
4.739		1927	1428

RT B	Compound B	Height B	Area B
4.839		307313	312330
4.915		4696	3166
4.98		7831	8787
5.06		75051	74390
5.106		3014	1755
5.182		162002	145343
5.325		3596	5524
5.525		226561	195189
5.594		256528	224559
5.643		69236	59658
5.719		1573	1281
5.948		153487	131613
5.979		4196	2830
6.107	DCB	14314180	12569400
6.287		3667	6256
6.586		2960	2776
7.353		1766	686
7.835		2615	4007
8.003		1783	2086
8.212		20446	40145
8.363		1684	1459
8.506		1830	998

9004800CAF ACA5301 T 171430011A 10227 SW-846 8082

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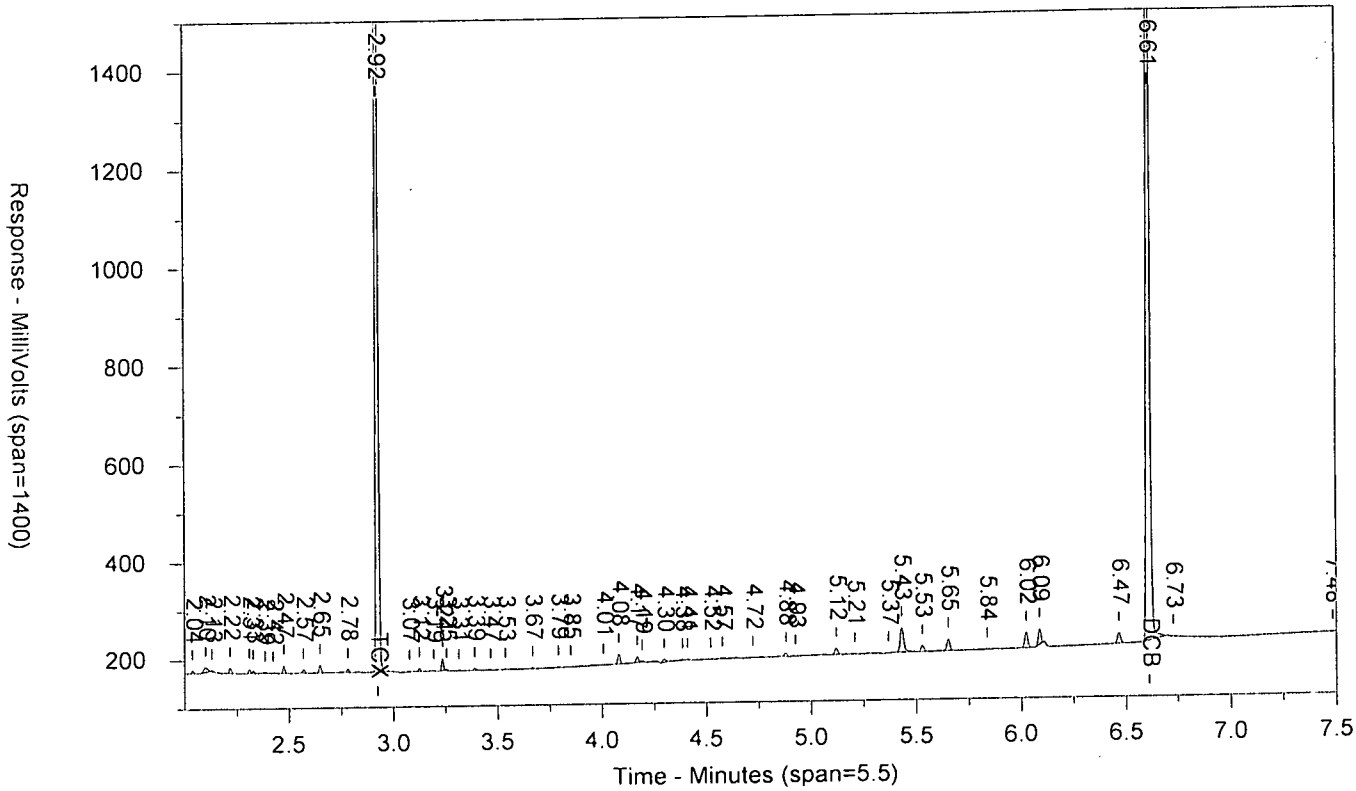

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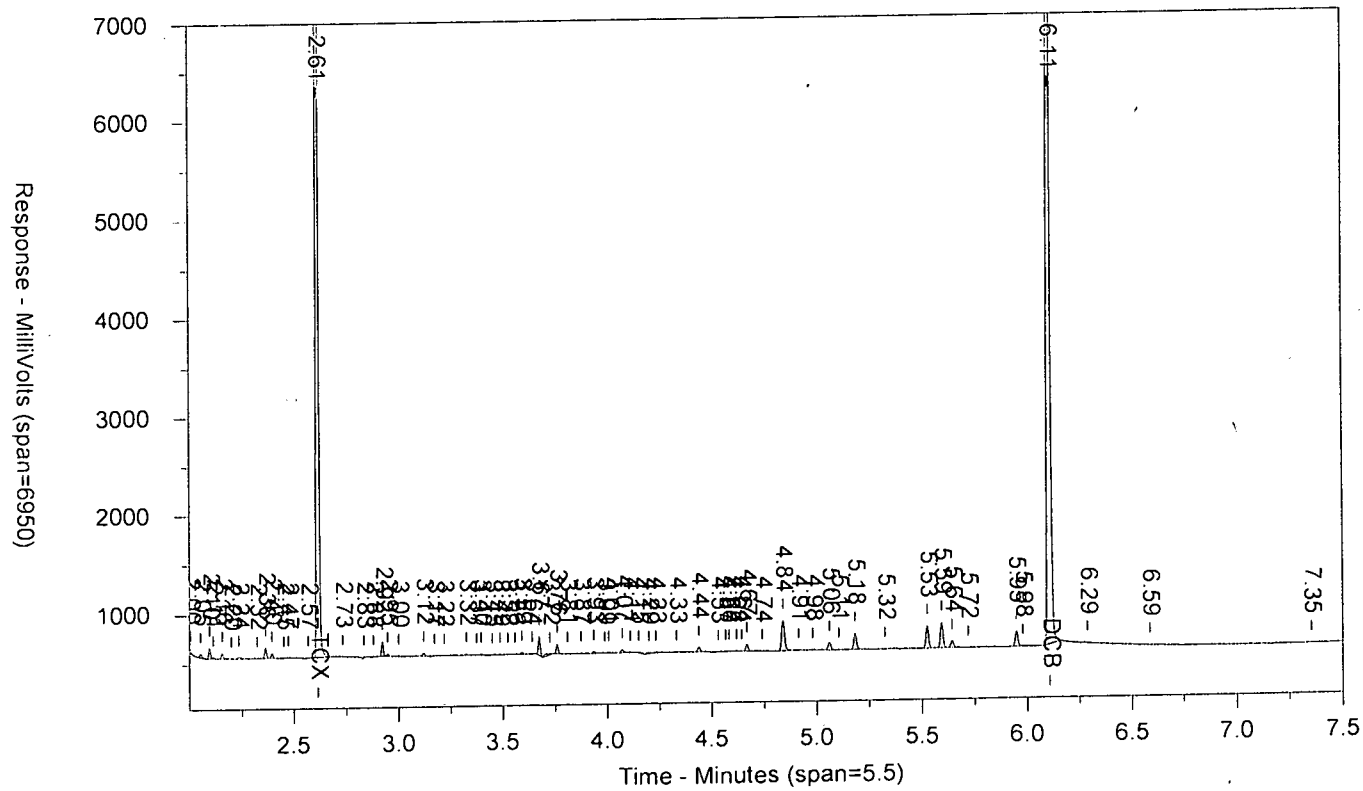

LANCASTER LABORATORIES

Sample Number: 9004800CAF ACA5301 T 171430011A 10227 SW-846 8082
Injected On: 5/25/2017 12:23:41 AM Sample Weight: 247
Instrument ID: CP20-17342 Dilution Factor: 2
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3656462	.261	TCX	2.614	21668050	.254	TCX
6.612	1988901	.234	DCB	6.107	14314180	.238	DCB

Files:
Area File: 20pcbs17137007.024.RAW
Area File: 20pcbs17137007B.024.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 12:32:25 AM
File Reported On: 5/25/2017 at 12:32:34 AM

9004800CAF ACA5301 T 171430011A 10227 SW-846 8082

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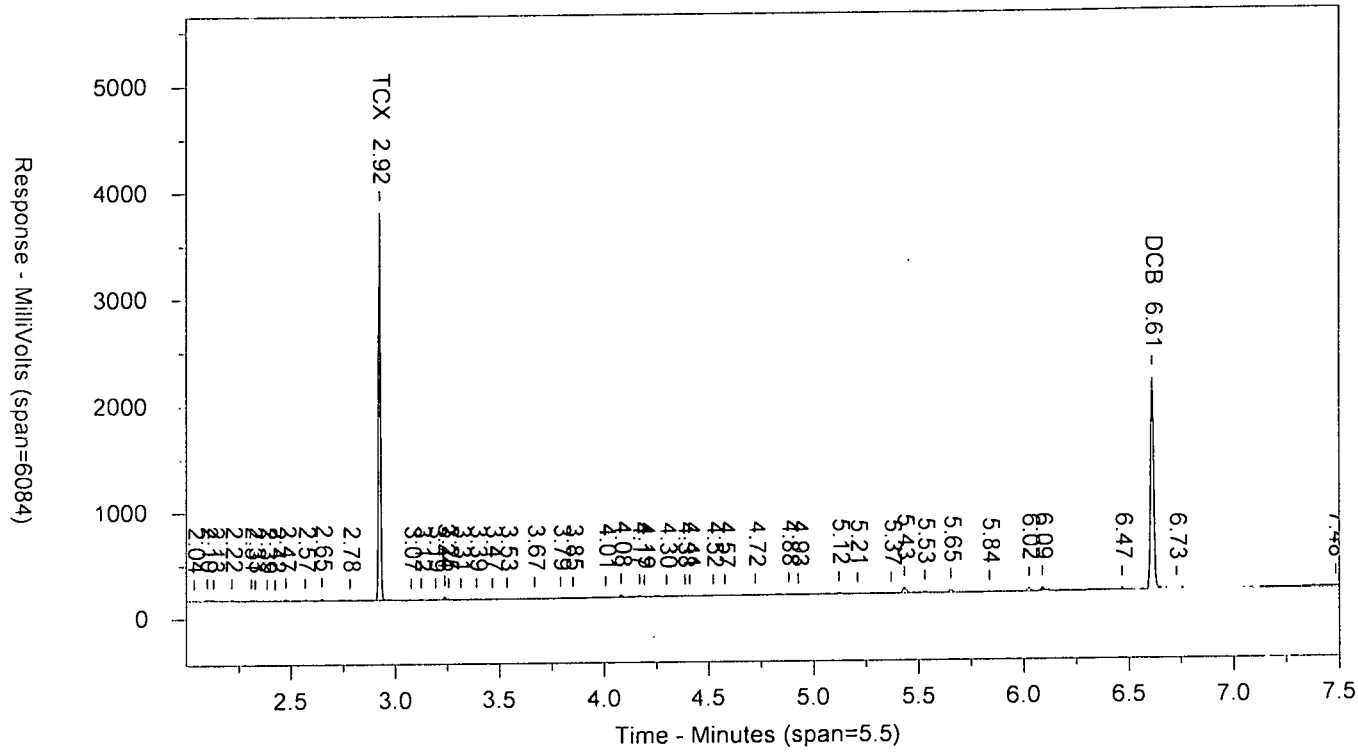

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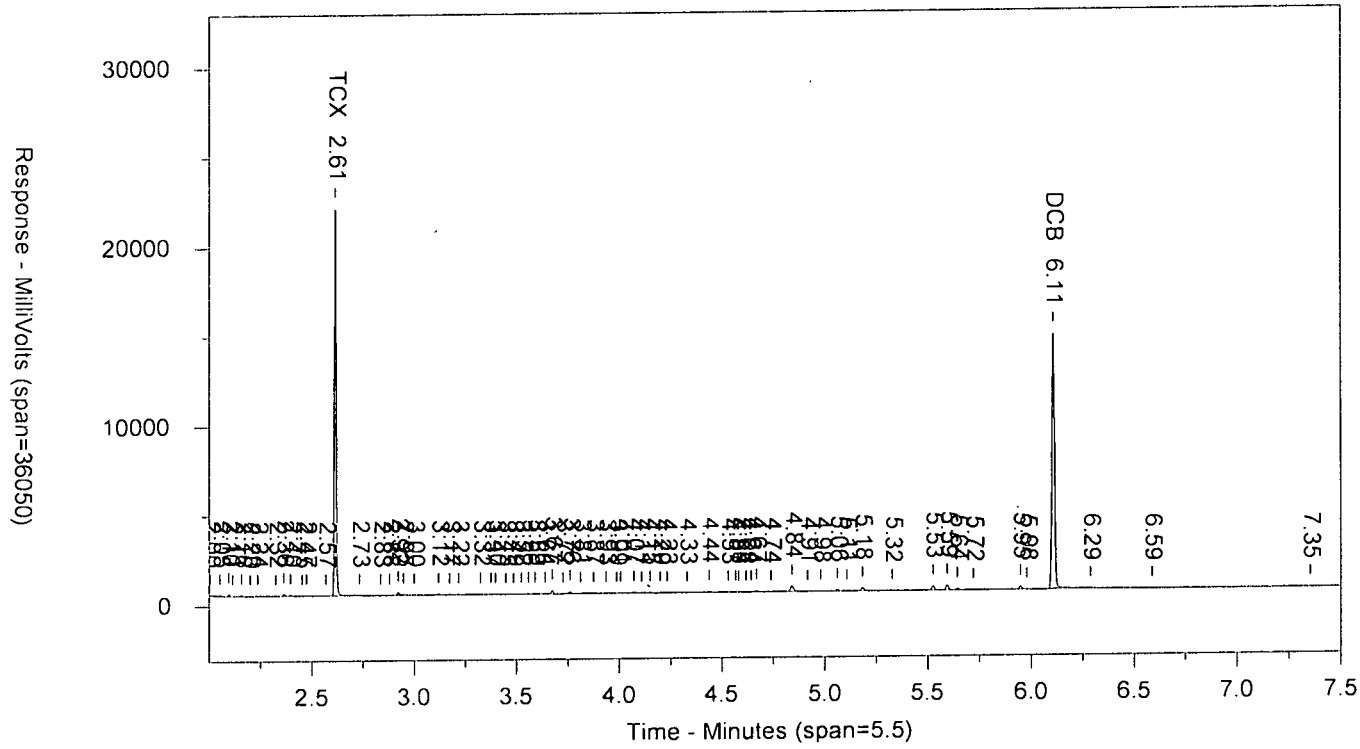

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Data Summary

Sample Name: 9004801 RI ACF A5302 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.01 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 31, 2017 00:02:52
Instrument	17342A
Result file	20PCBS17137012.030.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 107% (61 - 152) Conc: 31.33203
%SSR(DCB) 107% (48 - 164) Conc: 31.19321

Analysis Report (B)

Injected on	May 31, 2017 00:02:52
Instrument	17342B
Result file	20PCBS17137012B.030.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 100% (61 - 152) Conc: 29.12491
%SSR(DCB) 99% (48 - 164) Conc: 29.06433

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.91	2.95	3564149	31.33203
Decachlorobiphenyl	6.58	6.60	6.64	2148750	31.19321

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	20154450	29.12491
Decachlorobiphenyl	6.08	6.11	6.14	14173680	29.06433

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	31.33203				7.30	
☑	Decachlorobiphenyl	A	31.19321				7.07	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.64**	
4.73	4.74	4.77	478947.2	114.168119			1
5.20	5.21	5.24	328675.6	121.098154			3
5.37	5.38	5.41	274194.7	88.540717			4
5.61	5.62	5.65	1070363	142.581967			5
5.82	5.82	5.86	629127.3	149.182958			6

Height summation: **2781307.8**
Concentration CF: **123.114383** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.76**	
4.31	4.33	4.35	3488063	123.418979			1
4.44	4.46	4.48	4747208	142.437693			2
4.55	4.57	4.59	3186170	118.821012			3
4.90	4.92	4.94	2281770	110.70117			4
5.09	5.11	5.13	6889818	147.292033			5
5.35	5.37	5.39	4512912	144.221607			6

Height summation: **25105941**
Concentration CF: **131.148749** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<50.9491	<9.8901			4	
☑	PCB-1221			<50.9491	<15.2847			3	
☑	PCB-1232			<50.9491	<12.2877			4	
☑	PCB-1242			<50.9491	<12.2877			4	
☑	PCB-1248			<50.9491	<9.8901			4	
☑	PCB-1254			<50.9491	<13.1868			4	
☑	PCB-1260	B	131.148749	50.9491	11.6883		6.32	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 31 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 31 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004801** RI ACF A5302 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.01 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:02:52
Instrument : CP20--17342A
Result file : 20PCBS17137012.030.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 107% (61-152) Conc.: 31.33203
%SSR(DCB) : 107% (48-164) Conc.: 31.19321

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**96.22**	
3.16	3.17	3.20	3518.04	1.712837			1
3.37	3.38	3.41	3613.258	1.722818			2
3.49	3.50	3.53	5821.513	2.465474			3
3.71	3.72	3.75	22870.31	8.742264			4
3.76	3.77	3.80	5508.519	2.574387			5
+ 3.76	3.80	3.80	1577.861	0.737408			5
3.96	3.96	4.00	23413.8	13.646866			6
+ 3.96	3.99	4.00	4811.77	2.804567			6
Height Summation:			**64745.44**				
Amount Avg CF:			**5.144108**	Linear:			
Aroclor-1221					**1**		
3.16	3.17	3.20	3518.04	1.280266			3
Height Summation:			**3518.04**				
Amount Avg CF:			**1.280266**	Linear:			
Aroclor-1232					**6**	**106.91**	
3.16	3.17	3.20	3518.04	1.42726			1
3.38	3.38	3.42	3613.258	3.642991			2
3.49	3.50	3.53	5821.513	5.349227			3
3.71	3.72	3.75	22870.31	19.372159			4
3.77	3.77	3.81	5508.519	5.95158			5
+ 3.77	3.80	3.81	1577.861	1.704771			5
3.96	3.96	4.00	23413.8	32.72504			6
+ 3.96	3.99	4.00	4811.77	6.725323			6
Height Summation:			**64745.44**				
Amount Avg CF:			**11.411376**	Linear:			
Aroclor-1242					**6**	**97.21**	
3.16	3.17	3.20	3518.04	1.999389			1
3.38	3.38	3.42	3613.258	2.079548			2
3.49	3.50	3.53	5821.513	3.059806			3
3.71	3.72	3.75	22870.31	10.685572			4
3.77	3.77	3.81	5508.519	3.287208			5
+ 3.77	3.80	3.81	1577.861	0.941588			5
3.96	3.96	4.00	23413.8	17.091506			6
+ 3.96	3.99	4.00	4811.77	3.512475			6
Height Summation:			**64745.44**				
Amount Avg CF:			**6.367171**	Linear:			
Aroclor-1248					**6**	**176.30**	
3.76	3.77	3.80	5508.519	4.741629			1
+ 3.76	3.80	3.80	1577.861	1.358193			1
3.83	3.84	3.87	41364.63	19.578793			2
+ 3.83	3.87	3.87	23741.86	11.237547			2
3.96	3.96	4.00	23413.8	9.410194			3
+ 3.96	3.99	4.00	4811.77	1.933889			3
4.05	4.05	4.09	24906.44	12.041594			4
+ 4.23	4.23	4.27	47312.08	19.309359			5
4.23	4.26	4.27	92610.1	37.796725			5
4.61	4.62	4.65	482399.5	268.575483			6
Height Summation:			**670202.989**				
Amount Avg CF:			**58.690736**	Linear:			

Analysis Report (B)

Injected on : May 31, 2017 00:02:52
Instrument : CP20--17342B
Result file : 20PCBS17137012B.030.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 100% (61-152) Conc.: 29.12491
%SSR(DCB) : 99% (48-164) Conc.: 29.06433

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**72.43**	
2.88	2.91	2.92	29540.5	2.609831			1
3.21	3.23	3.25	40131.97	2.853091			2
+ 3.21	3.24	3.25	15398.72	1.094737			2
+ 3.40	3.40	3.44	63986.86	4.527131			3
+ 3.40	3.42	3.44	11830.67	0.837031			3
3.40	3.43	3.44	106118.5	7.507985			3
3.47	3.49	3.51	35887.88	2.147059			4
3.63	3.65	3.67	155690.2	11.086199			5
+ 3.72	3.73	3.76	36645.87	3.045212			6
3.72	3.74	3.76	156966.3	13.043642			6
Height Summation:			**524335.35**				
Amount Avg CF:			**6.541301**	Linear:			
Aroclor-1221					**3**	**53.91**	
2.77	2.78	2.81	17776.3	2.975853			1
2.83	2.83	2.87	20615.63	5.598522			2
2.88	2.91	2.92	29540.5	1.933839			3
Height Summation:			**67932.43**				
Amount Avg CF:			**3.502738**	Linear:			
Aroclor-1232					**6**	**87.60**	
2.88	2.91	2.92	29540.5	2.13621			1
3.21	3.23	3.25	40131.97	6.004758			2
+ 3.21	3.24	3.25	15398.72	2.304038			2
+ 3.40	3.40	3.44	63986.86	10.701346			3
+ 3.40	3.42	3.44	11830.67	1.978595			3
3.40	3.43	3.44	106118.5	17.747562			3
3.47	3.49	3.51	35887.88	4.885325			4
3.66	3.68	3.70	70574.25	35.178395			5
+ 3.73	3.73	3.77	36645.87	6.967258			6
3.73	3.74	3.77	156966.3	29.843056			6
Height Summation:			**439219.4**				
Amount Avg CF:			**15.965884**	Linear:			
Aroclor-1242					**6**	**74.05**	
2.88	2.91	2.92	29540.5	3.035279			1
3.21	3.23	3.25	40131.97	3.452773			2
+ 3.21	3.24	3.25	15398.72	1.324836			2
+ 3.40	3.40	3.44	63986.86	5.598176			3
+ 3.40	3.42	3.44	11830.67	1.035059			3
3.40	3.43	3.44	106118.5	9.28425			3
3.47	3.49	3.51	35887.88	2.747205			4
3.64	3.65	3.68	155690.2	14.4751			5
+ 3.73	3.73	3.77	36645.87	3.803735			6
3.73	3.74	3.77	156966.3	16.292648			6
Height Summation:			**524335.35**				
Amount Avg CF:			**8.214543**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004801** RI ACF A5302 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.01 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:02:52
Instrument : CP20--17342A
Result file : 20PCBS17137012.030.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	71.94	
4.21	4.21	4.25	147293.9	50.986334			1
+ 4.21	4.23	4.25	47312.08	16.377253			1
4.55	4.56	4.59	164366.5	56.614585			2
+ 4.55	4.59	4.59	65561.77	22.582171			2
4.61	4.62	4.65	482399.5	82.269122			3
4.73	4.74	4.77	478947.2	272.125554			4
4.83	4.83	4.87	427879.6	110.421813			5
+ 4.83	4.86	4.87	9842.197	2.539951			5
5.14	5.15	5.18	996174.3	250.265701			6
+ 5.14	5.17	5.18	41772.48	10.494367			6
Height Summation:			**2697061**				
Amount Avg CF:			**137.113852**	Linear:			
Aroclor-1260					6	37.20	
4.73	4.74	4.77	478947.2	114.168119			1
5.03	5.03	5.07	561174.4	242.09848			2
5.20	5.21	5.24	328675.6	121.098154			3
5.37	5.38	5.41	274194.7	88.540717			4
5.61	5.62	5.65	1070363	142.581967			5
5.82	5.82	5.86	629127.3	149.182958			6
Height Summation:			**3342482.2**				
Amount Avg CF:			**142.945066**	Linear:			
Aroclor-1262					6	48.38	
5.21	5.21	5.24	328675.6	65.77217			1
5.37	5.38	5.41	274194.7	67.920225			2
5.61	5.62	5.65	1070363	109.697932			3
5.81	5.82	5.85	629127.3	116.669711			4
5.87	5.87	5.91	38692.74	14.484615			5
6.25	6.25	6.29	267255.4	82.235843			6
Height Summation:			**2608308.74**				
Amount Avg CF:			**76.130083**	Linear:			
Aroclor-1268					6	100.34	
5.81	5.82	5.85	629127.3	52.467066			1
5.87	5.87	5.91	38692.74	3.698325			2
6.00	6.01	6.04	36767.5	3.768847			3
+ 6.07	6.07	6.11	36759.54	16.435583			4
6.07	6.09	6.11	96371.66	43.0888			4
6.25	6.25	6.29	267255.4	66.323753			5
6.45	6.45	6.49	76002.06	2.410144			6
Height Summation:			**1144216.66**				
Amount Avg CF:			**28.626156**	Linear:			

Analysis Report (B)

Injected on : May 31, 2017 00:02:52
Instrument : CP20--17342B
Result file : 20PCBS17137012B.030.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	155.30	
+ 3.40	3.40	3.44	63986.86	11.478513			1
+ 3.40	3.42	3.44	11830.67	2.122287			1
3.40	3.43	3.44	106118.5	19.036449			1
3.51	3.53	3.55	294619.1	18.738865			2
3.63	3.65	3.67	155690.2	7.925996			3
+ 3.72	3.73	3.76	36645.87	2.583696			4
3.72	3.74	3.76	156966.3	11.066819			4
3.86	3.88	3.90	1291758	48.083588			5
4.22	4.24	4.26	2744812	231.083884			6
Height Summation:			**4749964.1**				
Amount Avg CF:			**55.989267**	Linear:			
Aroclor-1254					6	70.22	
4.16	4.18	4.19	1116649	53.360225			1
4.22	4.24	4.26	2744812	73.922029			2
4.31	4.33	4.35	3488063	201.93797			3
4.38	4.40	4.42	2455210	98.362437			4
4.44	4.46	4.48	4747208	330.259695			5
4.60	4.62	4.64	2208636	126.124184			6
Height Summation:			**16760578**				
Amount Avg CF:			**147.327757**	Linear:			
Aroclor-1260					6	11.76	
4.31	4.33	4.35	3488063	123.418979			1
4.44	4.46	4.48	4747208	142.437693			2
4.55	4.57	4.59	3186170	118.821012			3
4.90	4.92	4.94	2281770	110.70117			4
5.09	5.11	5.13	6889818	147.292033			5
5.35	5.37	5.39	4512912	144.221607			6
Height Summation:			**25105941**				
Amount Avg CF:			**131.148749**	Linear:			
Aroclor-1262					6	37.16	
4.71	4.73	4.75	1618484	49.884107			1
4.90	4.92	4.94	2281770	70.698929			2
5.09	5.11	5.13	6889818	112.232095			3
5.31	5.33	5.35	1142997	44.93292			4
5.35	5.37	5.39	4512912	110.219355			5
5.73	5.75	5.77	1707438	77.054			6
Height Summation:			**18153419**				
Amount Avg CF:			**77.503568**	Linear:			
Aroclor-1268					6	105.84	
5.31	5.33	5.35	1142997	13.796606			1
5.35	5.37	5.39	4512912	53.803047			2
5.51	5.53	5.55	242222.9	3.361357			3
5.57	5.59	5.61	225226.5	12.927221			4
5.73	5.75	5.77	1707438	60.474648			5
5.93	5.95	5.97	480303.5	2.238333			6
Height Summation:			**8311099.9**				
Amount Avg CF:			**24.433535**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.949	9.8901		23.91	4	40	
Aroclor-1221			50.949	15.2847		** 92.93	3	5	
Aroclor-1232			50.949	12.2877		33.27	4	10	
Aroclor-1242			50.949	12.2877		25.34	4	30	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9004801 RI ACF A5302 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.01 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:02:52
Instrument : CP20--17342A
Result file : 20PCBS17137012.030.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 31, 2017 00:02:52
Instrument : CP20--17342B
Result file : 20PCBS17137012B.030.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1248			50.949	9.8901		4.71	4	40	
Aroclor-1254			50.949	13.1868		7.18	4	40	
Aroclor-1260			50.949	11.6883		8.61	4	40	
Aroclor-1262			50.949	9.8901		1.79	4	40	
Aroclor-1268			50.949	9.8901		15.80	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004801 RI ACF ABA5302 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:02:52 AM Injection Volume: 1 ul
Instrument ID: CP20 17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137012.030.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.019		2513	2828
2.084		13923	16210
2.112		23485	15039
2.18		28748	18253
2.2		9752	5209
2.292		22659	13981
2.311		4222	2306
2.37		5119	5455
2.404		1621	1114
2.551		1925	1542
2.61		1047	701
2.631		16124	10888
2.716		1647	1912
2.907	TCX	3564149	2347832
2.993		2308	1965
3.02		2683	1690
3.042		1071	1617
3.107		5470	3738
3.165		3518	4331
3.213		41937	23803
3.381		3613	2318
3.448		1072	615
3.497		5822	4747
3.571		5068	4039
3.609		1398	1408
3.646		1700	1451
3.682		13299	14911
3.719		22870	19060
3.773		5509	5088
3.803		1578	1611
3.839		41365	31200
3.866		23742	15956
3.888		45836	31564
3.963		23414	16192
3.987		4812	3146
4.017		9943	6758
4.052		24906	25019
4.095		11987	8992
4.122		4547	3695
4.175		8325	6186
4.211		147294	111472
4.232		47312	26963
4.255		92610	69860
4.322		59940	51146
4.365		324873	326773
4.4		135227	114040
4.441		12123	9337
4.463		17713	12334
4.505		119719	112711
4.557		164367	163347
4.588		65562	41209
4.618		482400	417184
4.663		166944	198264
4.702		93497	69888

RT A	Compound A	Height A	Area A
4.74		478947	452824
4.791		48971	42635
4.832		427880	405130
4.861		9842	5634
4.887		114532	103017
4.939		751503	927171
4.991		94068	83949
5.033		561174	562943
5.076		36744	27058
5.111		80315	103347
5.149		996174	929023
5.171		41772	19173
5.211		328676	287612
5.254		231864	238461
5.359		48696	38581
5.375		274195	217111
5.416		16637	13279
5.433		166813	133580
5.473		118866	111109
5.514		28735	27578
5.558		204732	186249
5.585		14262	8394
5.615		1070363	1121632
5.701		2112	2121
5.821		629127	641097
5.859		50021	57876
5.872		38693	33686
5.914		2357	2836
6.006		36768	39318
6.07		36760	28124
6.092		96372	85640
6.162		974	1020
6.25		267255	265174
6.295		18252	18229
6.45		76002	77543
6.595	DCB	2148750	2207098
6.714		1043	1291
7.287		625	1270
7.76		2047	3052
8.013		3682	5085
8.516		704	799

LANCASTER LABORATORIES

Sample Number: 9004801 RI ACF ABA5302 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:02:52 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137012B.030.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		15507	7577
2.053		35516	27075
2.096		5582	2509
2.113		33851	20350
2.156		17574	13683
2.212		5453	3060
2.235		11705	18311
2.32		9003	8702
2.364		102422	68415
2.435		7990	5065
2.461		6881	3197
2.548		4177	2223
2.569		3890	2098
2.591		2267	1417
2.615	TCX	20154450	11810750
2.679		2648	1674
2.703		12057	8266
2.733		5188	3087
2.784		17776	9976
2.812		14714	15936
2.835		20616	16169
2.876		7235	5186
2.911		29541	12745
2.921		230556	112335
2.948		22789	16333
2.992		5662	8013
3.069		2436	1098
3.105		13651	6230
3.149		4238	3078
3.18		10864	7799
3.226		40132	25451
3.244		15399	7228
3.264		21186	13557
3.324		24680	30256
3.355		5949	3178
3.385		60351	47345
3.405		63987	32765
3.419		11831	4511
3.435		106119	60005
3.493		35888	31208
3.527		294619	174472
3.551		214580	115731
3.569		324278	184673
3.591		10875	8250
3.654		155690	102741
3.677		70574	42180
3.699		90296	71078
3.727		36646	17933
3.743		156966	93377
3.782		56027	40128
3.825		41612	40860
3.854		163830	98687
3.876		1291758	844177
3.901		426868	251434

RT B	Compound B	Height B	Area B
3.921		199302	108934
3.94		357311	216864
3.975		1979999	1331214
4.007		934740	615685
4.024		172313	78846
4.041		49350	37106
4.085		118479	98692
4.12		660955	502992
4.14		31654	28932
4.176		1116649	835165
4.21		569702	475750
4.237		2744812	2564701
4.275		557937	543727
4.328		3488063	2827962
4.366		330788	264543
4.398		2455210	1685849
4.422		863911	591398
4.465		4747209	3570772
4.49		39619	18434
4.518		15748	12196
4.567		3186170	3085842
4.617		2208636	1836280
4.658		1077546	925463
4.696		6074319	5057575
4.728		1618484	1104835
4.766		1459494	1117973
4.84		420264	375889
4.866		266985	167185
4.882		165635	94356
4.917		2281770	1759212
4.941		1080538	749018
4.991		1300352	1210633
5.027		797633	615482
5.056		544458	450556
5.088		544787	337694
5.111		6889818	5416232
5.152		145934	105389
5.184		282629	237111
5.247		8293	5403
5.282		3918	2403
5.302		58125	36320
5.326		1142997	926482
5.37		4512912	4798781
5.471		20210	21400
5.525		242223	208469
5.571		155412	109566
5.595		225227	171321
5.643		793951	666609
5.75		1707438	1458006
5.781		110631	84204
5.949		480304	412654
5.98		3259	2185
6.065		2710	2391
6.108	DCB	14173680	12432070
6.283		4838	3660
6.309		13106	9841
6.373		3665	3040
6.445		3067	3242
6.532		10807	14088
6.583		4239	4547
6.656		4353	8632
6.831		2165	3518
6.881		1350	720
6.913		3054	4217
7.014		13739	21506
7.126		2234	4046

RT B	Compound B	Height B	Area B
7.308		2191	3082
7.433		2243	5077
7.557		20937	26011
7.612		2666	3106
8.053		2516	3003
8.114		5977	12553
8.217		20410	33002
8.438		5436	10476

9004801 RI ACF ABA5302 T 171450004A 10225 SW-846 8082

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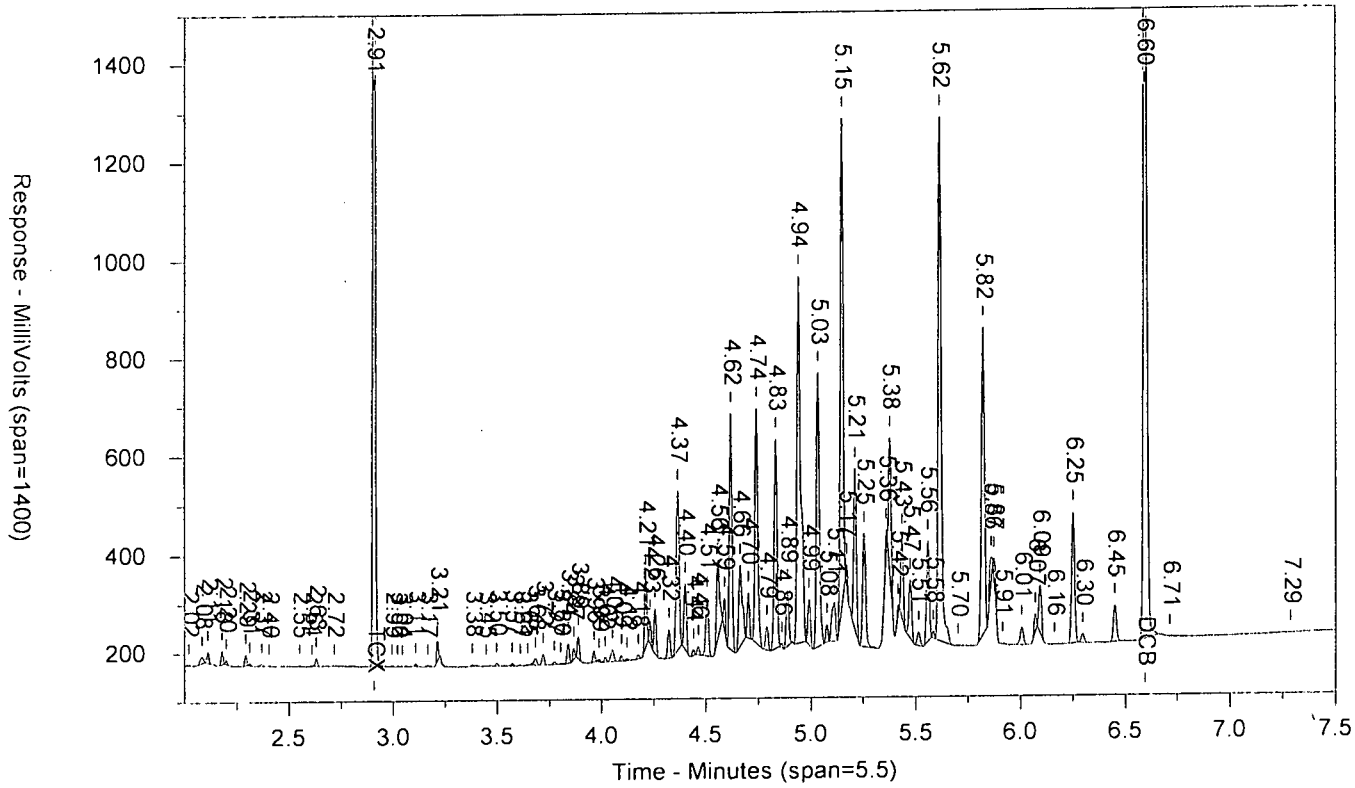

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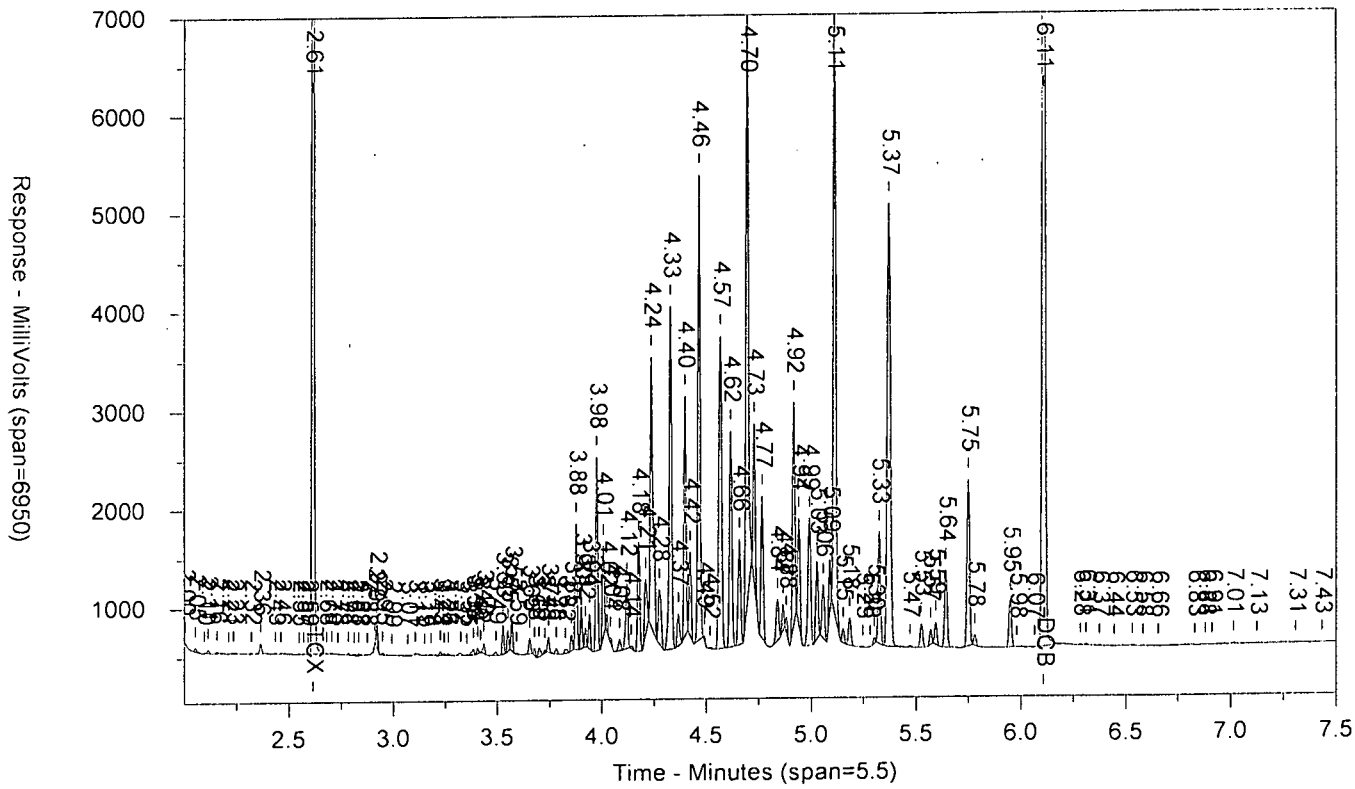


LANCASTER LABORATORIES

Sample Number: 9004801 RI ACF ABA5302 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:02:52 AM Sample Weight: 10.01
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

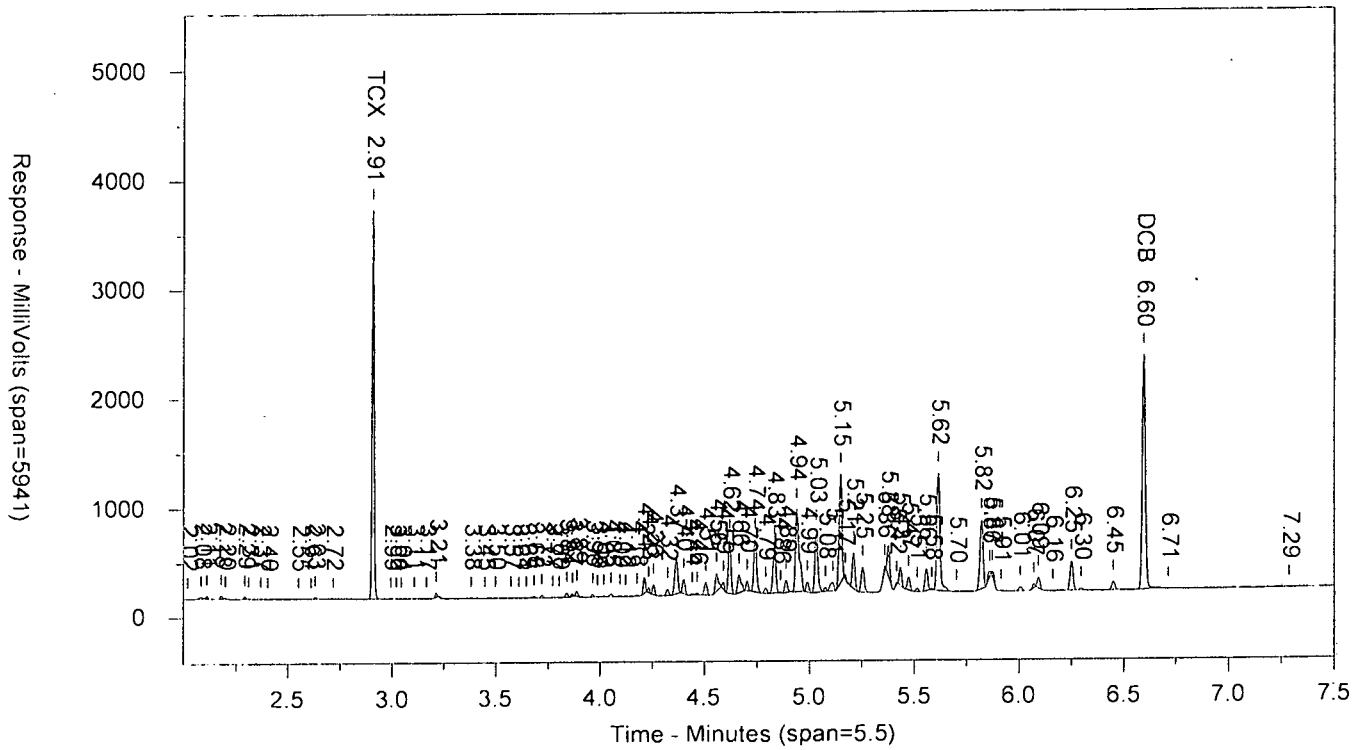
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.907	3564149	31.332	TCX	2.615	20154450	29.125	TCX
6.595	2148750	31.193	DCB	6.108	14173680	29.064	DCB

Files:
Area File: 20pcbs17137012.030.RAW
Area File: 20pcbs17137012B.030.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/31/2017 12:11:33 AM
File Reported On: 5/31/2017 at 12:11:45 AM

9004801 RI ACF ABA5302 T 171450004A 10225 SW-846 8082

---- \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137012.030.RAW



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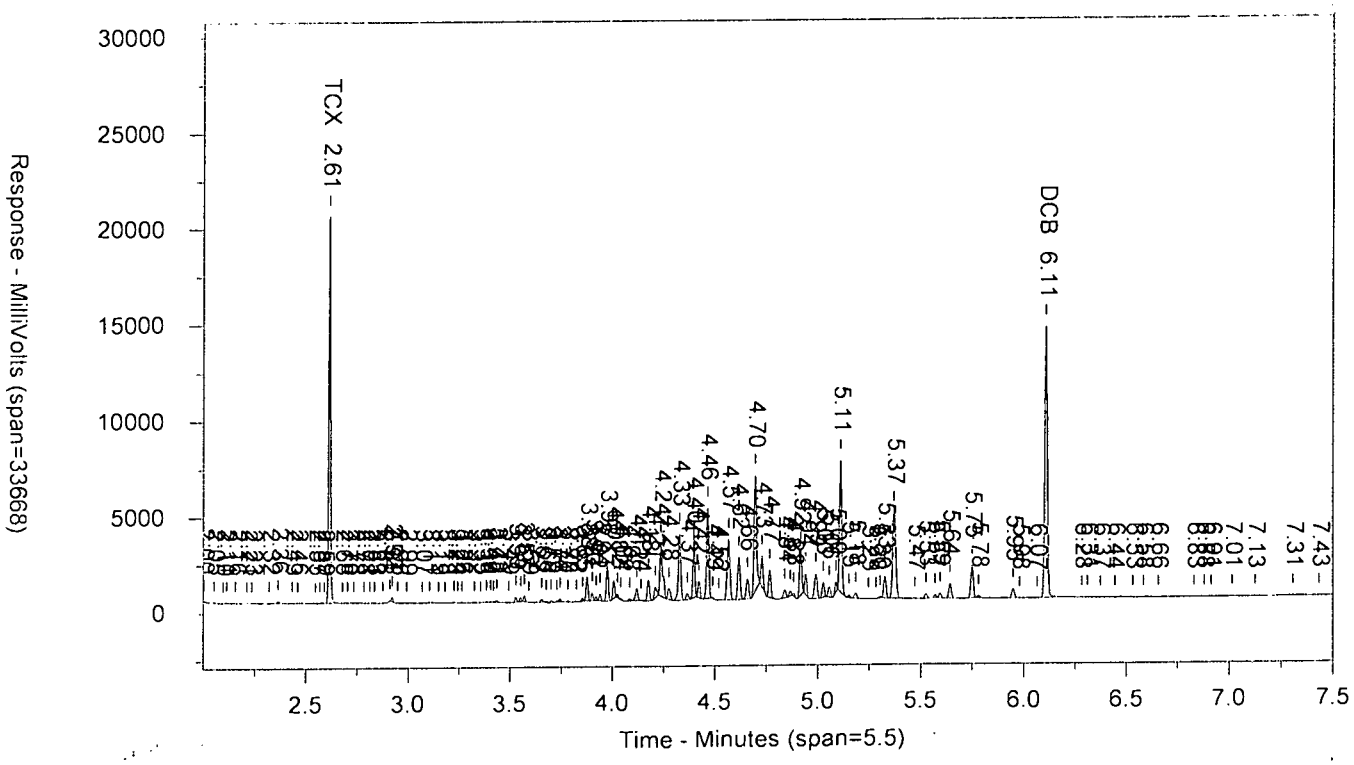

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Data Summary

Sample Name: 9004802 ACF DF10 A5303 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 17:32:35
Instrument	18274A
Result file	25PCBS17116021.018.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 96% (61 - 152) Conc: 27.6153
%SSR(DCB) 103% (48 - 164) Conc: 29.51389

Analysis Report (B)

Injected on	May 26, 2017 17:32:35
Instrument	18274B
Result file	25PCBS17116021B.018.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 95% (61 - 152) Conc: 27.12039
%SSR(DCB) 97% (48 - 164) Conc: 27.76126

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	394482	27.6153
Decachlorobiphenyl	6.61	6.63	6.67	300677	29.51389

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	527809	27.12039
Decachlorobiphenyl	6.10	6.13	6.16	668815	27.76126

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	27.6153				1.81	
☑ Decachlorobiphenyl	A	29.51389				6.12	

Multiple Component Data

Aroclor-1260 — %RSD 10.04

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.78	4.80	2388786	4832.222124			1
5.23	5.25	5.27	1697155	5047.636971			3
5.40	5.41	5.44	1766789	4822.262274			4
5.63	5.65	5.67	5776741	5815.331725			5
5.83	5.85	5.87	3574775	5891.959868			6

Height summation: **15204246**
Concentration CF: **5281.882592** L:

Aroclor-1260 — %RSD 10.73

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.33	4.35	4.37	6123602	5705.942967			1
4.47	4.48	4.51	8209207	6677.77652			2
4.57	4.59	4.61	5909854	5600.170048			3
4.92	4.93	4.96	4685054	5540.964099			4
5.11	5.13	5.15	13420580	6436.283788			5
5.37	5.39	5.41	8927876	7138.23019			6

Height summation: **47276173**
Concentration CF: **6183.227935** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<499.0215	<96.8689			4	
☑ PCB-1221			<499.0215	<149.7065			3	
☑ PCB-1232			<499.0215	<120.3523			4	
☑ PCB-1242			<499.0215	<120.3523			4	
☑ PCB-1248			<499.0215	<96.8689			4	
☑ PCB-1254			<499.0215	<129.1585			4	
☑ PCB-1260	B	6183.227935	499.0215	114.4814		15.72	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004802** ACF DF10 A5303 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 17:32:35
Instrument : CP25--18274A
Result file : 25PCBS17116021.018.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 96% (61-152) Conc.: 27.6153
%SSR(DCB) : 103% (48-164) Conc.: 29.51389

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**163.16**	
3.18	3.20	3.22	3882.254	16.311068			1
3.40	3.40	3.44	5046.743	22.339854			2
+ 3.40	3.41	3.44	1001.357	4.432595			2
3.51	3.53	3.55	4479.255	15.651322			3
3.73	3.75	3.77	10074.03	28.971577			4
3.79	3.81	3.83	7005.019	22.553602			5
3.98	4.00	4.02	59987.46	273.678567			6
Height Summation:			**90474.761**				
Amount Avg CF:			**63.250998**	Linear:			
Aroclor-1221					**2**	**41.82**	
3.13	3.14	3.17	2333.81	21.928629			2
3.18	3.20	3.22	3882.254	11.918707			3
Height Summation:			**6216.064**				
Amount Avg CF:			**16.923668**	Linear:			
Aroclor-1232					**6**	**186.11**	
3.18	3.20	3.22	3882.254	13.338581			1
3.40	3.41	3.44	1001.357	9.276303			2
3.52	3.53	3.56	4479.255	31.538749			3
3.74	3.75	3.78	10074.03	57.839708			4
3.79	3.81	3.83	7005.019	48.339453			5
3.99	4.00	4.03	59987.46	633.167527			6
+ 3.99	4.02	4.03	9341.996	98.60475			6
Height Summation:			**86429.375**				
Amount Avg CF:			**132.250053**	Linear:			
Aroclor-1242					**6**	**162.86**	
3.18	3.20	3.22	3882.254	19.220481			1
3.40	3.40	3.44	5046.743	26.934579			2
+ 3.40	3.41	3.44	1001.357	5.344264			2
3.51	3.53	3.55	4479.255	18.745583			3
3.73	3.75	3.77	10074.03	34.788222			4
3.79	3.81	3.83	7005.019	28.21091			5
3.98	4.00	4.02	59987.46	329.00344			6
Height Summation:			**90474.761**				
Amount Avg CF:			**76.150536**	Linear:			
Aroclor-1248					**6**	**213.26**	
3.79	3.81	3.83	7005.019	39.330682			1
3.86	3.88	3.90	122497.5	437.999039			2
3.98	4.00	4.02	59987.46	185.475701			3
4.07	4.09	4.11	74972.49	269.381572			4
4.25	4.27	4.29	92532.03	334.091985			5
E 4.64	4.66	4.68	2361807	10438.730559			6
Height Summation:			**2718801.499**				
Amount Avg CF:			**1950.834923**	Linear:			
Aroclor-1254					**6**	**73.72**	
4.24	4.25	4.28	491591.5	1650.337135			1
+ 4.24	4.27	4.28	92532.03	310.64216			1
4.58	4.60	4.62	529912.3	1498.798031			2
+ 4.58	4.61	4.62	27804.96	78.643238			2
4.64	4.66	4.68	2361807	3454.785467			3
E 4.77	4.78	4.81	2388786	10813.173579			4
4.86	4.87	4.89	2326028	4625.936605			5
5.05	5.07	5.09	2704177	7230.779495			6
Height Summation:			**10802301.8**				
Amount Avg CF:			**4878.968385**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 17:32:35
Instrument : CP25--18274B
Result file : 25PCBS17116021B.018.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 27.12039
%SSR(DCB) : 97% (48-164) Conc.: 27.76126

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**116.77**	
3.22	3.24	3.26	8484.799	19.039044			2
+ 3.41	3.42	3.45	10846.97	21.531753			3
+ 3.41	3.43	3.45	2711.448	5.382354			3
3.41	3.45	3.45	11355.49	22.541189			3
3.49	3.51	3.53	12668.76	24.172628			4
3.65	3.67	3.69	118095.8	278.036807			5
+ 3.74	3.74	3.78	4534.135	11.68321			6
3.74	3.76	3.78	135890	350.150885			6
Height Summation:			**286494.849**				
Amount Avg CF:			**138.788111**	Linear:			
Aroclor-1221					**1**		
2.77	2.79	2.81	14092.43	81.151514			1
Height Summation:			**14092.43**				
Amount Avg CF:			**81.151514**	Linear:			
Aroclor-1232					**5**	**116.30**	
3.22	3.24	3.26	8484.799	40.346424			2
+ 3.41	3.42	3.45	10846.97	47.983962			3
+ 3.41	3.43	3.45	2711.448	11.994688			3
3.41	3.45	3.45	11355.49	50.233513			3
3.49	3.51	3.53	12668.76	54.266944			4
3.65	3.67	3.69	118095.8	656.865367			5
+ 3.65	3.69	3.69	25061.55	139.395848			5
3.75	3.76	3.79	135890	757.251175			6
Height Summation:			**286494.849**				
Amount Avg CF:			**311.792684**	Linear:			
Aroclor-1242					**5**	**115.35**	
3.22	3.24	3.26	8484.799	23.840851			2
+ 3.41	3.42	3.45	10846.97	26.808479			3
+ 3.41	3.43	3.45	2711.448	6.701392			3
3.41	3.45	3.45	11355.49	28.065295			3
3.49	3.51	3.53	12668.76	30.68857			4
3.65	3.67	3.69	118095.8	342.162001			5
+ 3.74	3.74	3.78	4534.135	13.73804			6
3.74	3.76	3.78	135890	411.73505			6
Height Summation:			**286494.849**				
Amount Avg CF:			**167.298353**	Linear:			
Aroclor-1248					**6**	**190.70**	
+ 3.41	3.42	3.45	10846.97	53.836475			1
+ 3.41	3.43	3.45	2711.448	13.457657			1
3.41	3.45	3.45	11355.49	56.360399			1
3.52	3.54	3.56	223305.7	433.836607			2
3.65	3.67	3.69	118095.8	191.839411			3
+ 3.65	3.69	3.69	25061.55	40.710957			3
3.74	3.76	3.78	135890	289.026113			4
3.88	3.89	3.92	1602508	1694.889018			5
E 4.24	4.25	4.28	5077830	11337.903058			6
Height Summation:			**7168984.99**				
Amount Avg CF:			**2333.975768**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004802** ACF DF10 A5303 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 17:32:35
Instrument : CP25--18274A
Result file : 25PCBS17116021.018.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	29.51	
4.76	4.78	4.80	2388786	4832.222124			1
E 5.05	5.07	5.09	2704177	9441.19306			2
5.23	5.25	5.27	1697155	5047.636971			3
5.40	5.41	5.44	1766789	4822.262274			4
5.63	5.65	5.67	5776741	5815.331725			5
5.83	5.85	5.87	3574775	5891.959868			6
Height Summation:			**17908423**				
Amount Avg CF:			**5975.101004**	Linear:			
Aroclor-1262					6	30.65	
E 5.23	5.25	5.27	1697155	2828.507619			1
E 5.40	5.41	5.44	1766789	3419.705222			2
E 5.63	5.65	5.67	5776741	4337.080298			3
E 5.83	5.85	5.87	3574775	4375.086585			4
5.89	5.91	5.93	647613.4	1729.115485			5
E 6.26	6.28	6.30	1435842	2969.698215			6
Height Summation:			**14898915.4**				
Amount Avg CF:			**3276.532237**	Linear:			
Aroclor-1268					6	96.75	
E 5.83	5.85	5.87	3574775	2477.725017			1
5.89	5.91	5.93	647613.4	493.301176			2
6.03	6.04	6.07	49077.7	40.252064			3
+ 6.09	6.09	6.13	87641.04	276.319915			4
6.09	6.12	6.13	543325.8	1713.030095			4
E 6.26	6.28	6.30	1435842	2778.362235			5
6.47	6.48	6.51	326016	76.824007			6
Height Summation:			**6576649.9**				
Amount Avg CF:			**1263.249099**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 17:32:35
Instrument : CP25--18274B
Result file : 25PCBS17116021B.018.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	67.50	
4.18	4.19	4.22	1757364	2238.888731			1
4.24	4.25	4.28	5077830	3523.642472			2
4.33	4.35	4.37	6123602	9255.222692			3
4.40	4.42	4.44	5039078	5229.702398			4
+ 4.40	4.44	4.44	1302672	1351.951068			4
E 4.47	4.48	4.51	8209207	15365.093053			5
4.62	4.63	4.66	4676066	6652.803159			6
Height Summation:			**30883147**				
Amount Avg CF:			**7044.225418**	Linear:			
Aroclor-1260					6	10.73	
4.33	4.35	4.37	6123602	5705.942967			1
4.47	4.48	4.51	8209207	6677.77652			2
4.57	4.59	4.61	5909854	5600.170048			3
4.92	4.93	4.96	4685054	5540.964099			4
5.11	5.13	5.15	13420580	6436.283788			5
5.37	5.39	5.41	8927876	7138.23019			6
Height Summation:			**47276173**				
Amount Avg CF:			**6183.227935**	Linear:			
Aroclor-1262					6	34.89	
E 4.73	4.75	4.77	3120470	2309.032383			1
E 4.92	4.93	4.96	4685054	3505.417927			2
E 5.11	5.13	5.15	13420580	4798.49471			3
E 5.33	5.34	5.36	2175910	2069.083515			4
E 5.37	5.39	5.41	8927876	4890.541509			5
E 5.75	5.77	5.79	3251175	3100.950214			6
Height Summation:			**35581065**				
Amount Avg CF:			**3445.58671**	Linear:			
Aroclor-1268					6	125.87	
5.33	5.34	5.37	2175910	654.949012			1
E 5.37	5.39	5.41	8927876	2763.206197			2
5.53	5.54	5.57	116497.3	41.443511			3
5.59	5.61	5.63	58772.81	84.909189			4
+ 5.59	5.63	5.63	14013.56	20.245416			4
E 5.75	5.77	5.79	3251175	2776.841972			5
5.95	5.97	5.99	682119.6	68.334886			6
Height Summation:			**15212350.71**				
Amount Avg CF:			**1064.947461**	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		** 74.77	4	40	
Aroclor-1221			499.0215	149.7065		** 130.98	3	5	
Aroclor-1232			499.0215	120.3522		** 80.87	4	10	
Aroclor-1242			499.0215	120.3522		** 74.88	4	30	
Aroclor-1248			499.0215	96.8689	E	17.88	4	40	
Aroclor-1254			499.0215	129.1585	E	36.32	4	40	
Aroclor-1260			499.0215	114.4814	E	3.42	4	40	
Aroclor-1262			499.0215	96.8689	E	5.03	4	40	
Aroclor-1268			499.0215	96.8689	E	17.03	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004802ACF DF10 ADA5303 T 171450004A . 10225 SW-846 8082
Injected On: 5/26/2017 5:32:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.022		1030	939
2.053		16802	18521
2.088		4991	5984
2.126		468	208
2.145		3851	4679
2.212		213034	176346
2.289		849	588
2.338		6842	5479
2.373		1779	1315
2.396		1122	1381
2.502		2172	3066
2.575		995	799
2.596		1280	975
2.663		96835	70964
2.701		552	414
2.721		422	231
2.762		3659	8567
2.82		1092	969
2.884		509	412
2.912		1044	714
2.944	TCX	394482	276615
3.052		9793	6516
3.142		2334	2117
3.198		3882	2414
3.249		142113	91618
3.267		23009	10717
3.396		5047	3402
3.414		1001	1550
3.459		976	841
3.499		1419	1737
3.532		4479	3070
3.605		1787	1440
3.628		876	442
3.711		12070	17086
3.753		10074	9500
3.805		7005	6485
3.848		1759	1260
3.876		122498	92947
3.904		34230	22840
3.926		30552	20431
4		59987	44997
4.025		9342	6083
4.056		21897	16605
4.09		74972	63748
4.132		10239	10339
4.165		2630	1657
4.192		8977	6387
4.216		20417	15195
4.252		491592	368818
4.269		92532	48382
4.294		279444	243595
4.365		225430	200341
4.407		1338594	1382409
4.441		632716	527305

RT A	Compound A	Height A	Area A
4.481		39150	27387
4.504		68294	50318
4.546		450463	411086
4.595		529912	401825
4.612		27805	9504
4.627		275544	175878
4.657		2361807	2092831
4.707		773310	802949
4.741		286629	221393
4.783		2388786	2271231
4.828		247133	223629
4.869		2326028	2248219
4.901		27745	15654
4.93		524300	567650
4.982		3632805	4439391
5.033		429359	372035
5.067		2704177	3046488
5.115		149257	102410
5.15		304792	380476
5.185		5564934	5698056
5.226		67799	29092
5.252		1697155	1551310
5.295		1111761	1139937
5.389		912809	724256
5.413		1766789	1498671
5.469		947362	881548
5.508		563358	536076
5.55		64046	63715
5.587		952002	1154799
5.647		5776741	5938606
5.733		15181	16906
5.767		9753	6212
5.804		8028	10501
5.851		3574775	3272882
5.88		225473	145622
5.906		647613	722998
5.946		2554	2549
6.017		11365	8587
6.042		49078	45877
6.092		87641	71014
6.121		543326	534830
6.157		6896	4880
6.183		2475	2001
6.227		1074	1338
6.251		2073	1443
6.278		1435843	1428722
6.323		98524	98189
6.376		1738	1794
6.405		2539	3464
6.481		326016	347433
6.561		1387	1436
6.605		4677	3236
6.632	DCB	300677	320509
6.667		5264	3399
6.689		4196	3095
6.734		484	204
6.771		665	338
6.789		1323	1220
6.836		975	1413
6.874		2063	2464
6.922		4593	5833

LANCASTER LABORATORIES

Sample Number: 9004802ACF DF10 ADA5303 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 5:32:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.114		2977	4557
2.163		3109	3451
2.213		1144	1585
2.237		2847	5853
2.368		120037	88825
2.473		2043	1818
2.542		1486	1602
2.574		1734	1879
2.619	TCX	527809	339463
2.682		1895	3391
2.765		1037	1097
2.791		14092	8525
2.817		3719	4848
2.884		3986	2524
2.929		237172	189849
3.113		5546	9241
3.208		1819	1248
3.236		8485	6779
3.275		4016	4106
3.323		1730	1114
3.367		2961	1983
3.397		22108	17804
3.416		10847	5509
3.431		2711	1148
3.447		11355	6071
3.506		12669	10029
3.541		223306	141160
3.564		81345	44802
3.582		67737	37925
3.668		118096	76231
3.692		25062	13358
3.713		45261	31099
3.742		4534	2131
3.758		135890	88635
3.798		26118	19823
3.839		37443	31311
3.871		194109	116507
3.892		1602508	1032003
3.918		460757	275431
3.937		157900	81563
3.956		462383	300603
3.992		2854756	1958684
4.024		1629291	1598296
4.102		157348	122047
4.137		880084	692929
4.194		1757364	1302642
4.228		920159	760732
4.254		5077831	4557471
4.293		831807	840606
4.346		6123602	4718216
4.384		527888	411879
4.416		5039079	3414485
4.441		1302672	876390
4.483		8209207	6495382

RT B	Compound B	Height B	Area B
4.537		20521	15198
4.586		5909855	5592554
4.635		4676067	3769242
4.677		1856073	1567415
4.714		11041730	9462757
4.747		3120470	2079505
4.785		2503564	1945682
4.844		31443	18986
4.857		34471	20320
4.884		571680	383996
4.901		267524	143763
4.935		4685054	3476793
4.959		1950829	1358776
5.009		2424015	2190769
5.044		1294978	1013239
5.074		878264	708950
5.106		1047090	649927
5.128		13420580	10615590
5.17		228156	161730
5.201		338492	284218
5.245		8401	5255
5.266		34026	22656
5.299		18821	12811
5.32		90113	56194
5.343		2175911	1750724
5.387		8927876	9112360
5.439		6444	9584
5.486		4745	7898
5.542		116497	103388
5.588		250102	193644
5.611		58773	37638
5.632		14014	6974
5.66		1330509	1111638
5.702		10416	9278
5.74		16390	9530
5.766		3251175	2630325
5.798		184560	142748
5.878		3830	4064
5.966		682120	589861
6.014		5799	6535
6.081		1228	659
6.125	DCB	668815	613203
6.162		20779	15911
6.258		5206	4686
6.302		15211	12389
6.327		6364	5607
6.368		3875	3128
6.396		12755	11284
6.494		3972	6032
6.553		22193	24080
6.608		27977	24996
6.653		2947	3829
6.694		1350	2590
6.843		3430	21585
6.903		2858	3564
6.984		1408	1398

9004802ACF DF10 ADA5303 T 171450004A 10225 SW-846 8082

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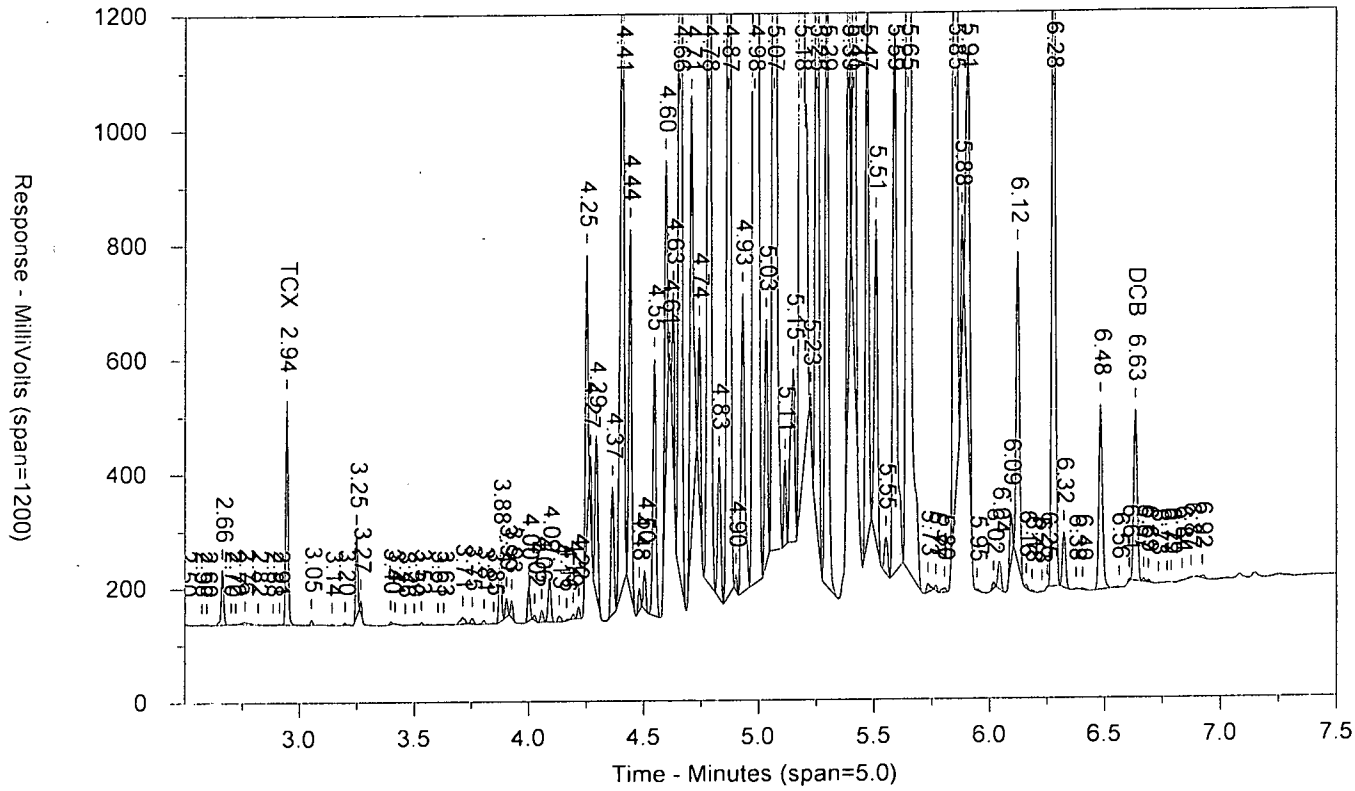

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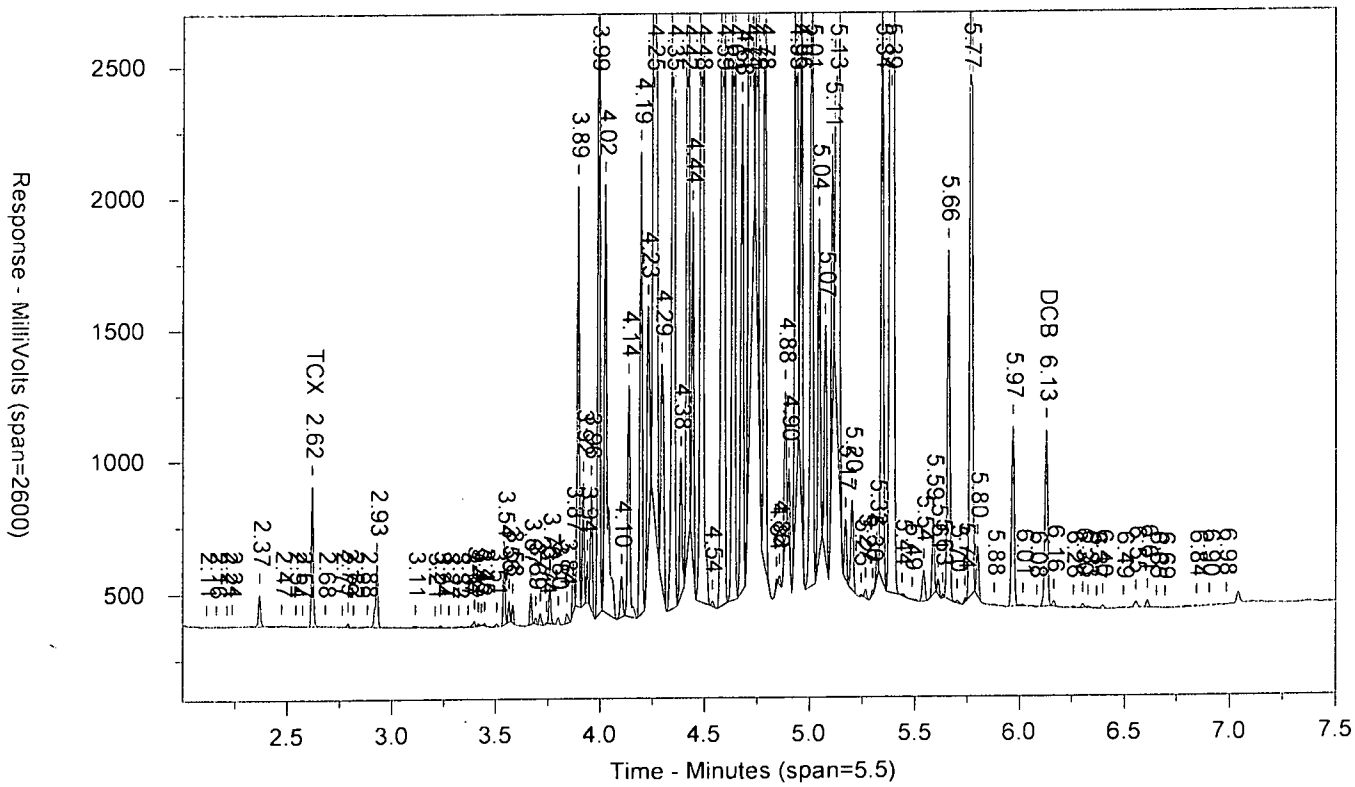

LANCASTER LABORATORIES

Sample Number: 9004802ACF DF10 ADA5303 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 5:32:35 PM Sample Weight: 10.22
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	394482	27.615	TCX	2.619	527809	27.12	TCX
6.632	300677	29.514	DCB	6.125	668815	27.761	DCB

Files:
Area File: 25pcbs17116021.018.RAW
Area File: 25pcbs17116021B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 5:41:08 PM
File Reported On: 5/26/2017 at 5:41:18 PM

9004802ACF DF10 ADA5303 T 171450004A 10225 SW-846 8082

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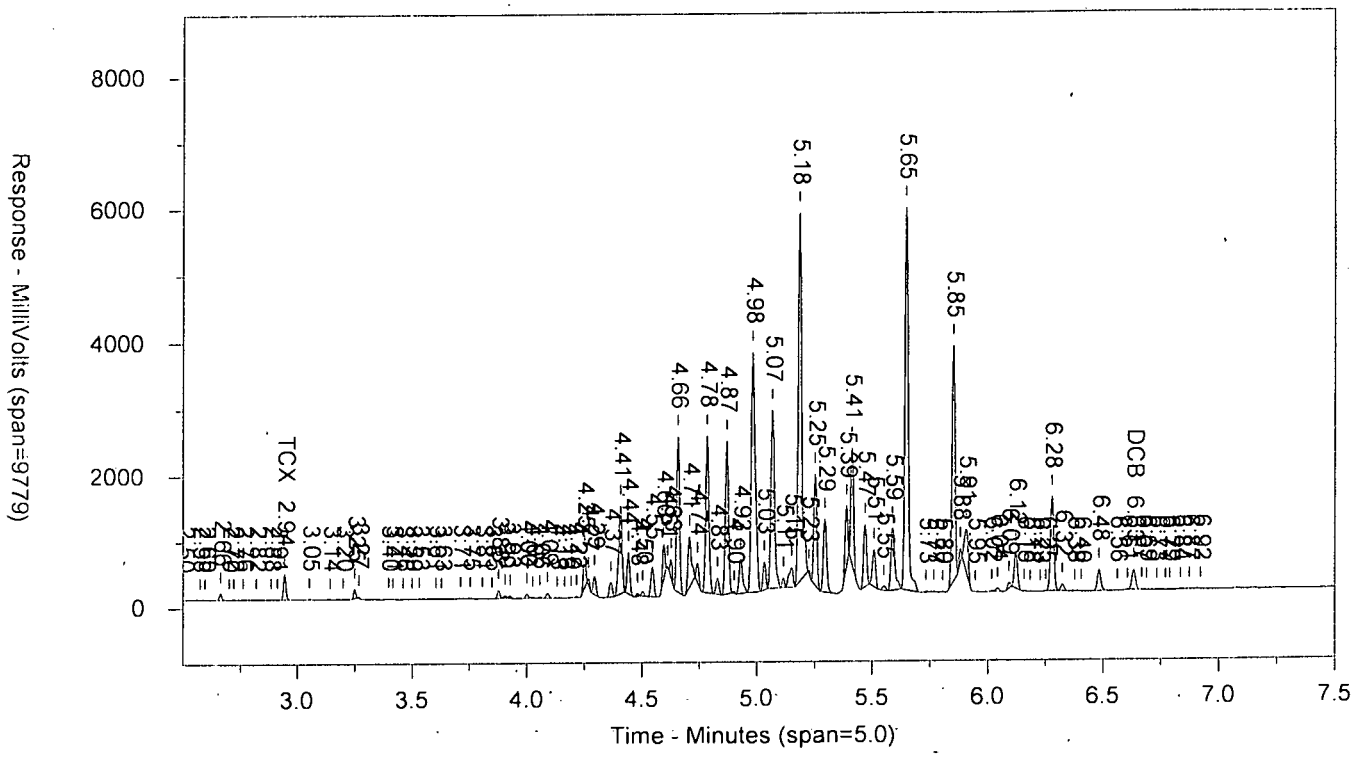

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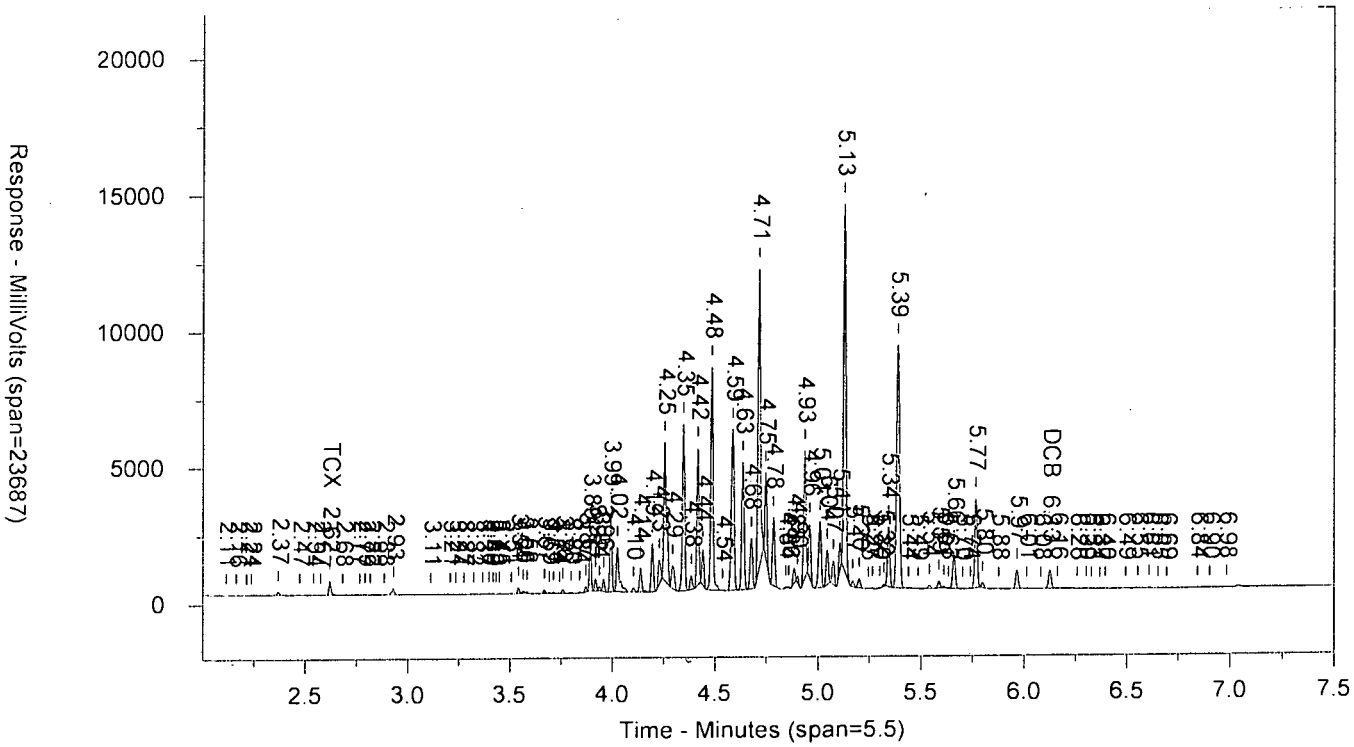

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Data Summary

Sample Name: 9004803 ACF DF5 A5304 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.04 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 17:44:22
Instrument	18274A
Result file	25PCBS17116021.019.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 104% (61 - 152) Conc: 30.25323
%SSR(DCB) 102% (48 - 164) Conc: 29.68549

Analysis Report (B)

Injected on	May 26, 2017 17:44:22
Instrument	18274B
Result file	25PCBS17116021B.019.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 104% (61 - 152) Conc: 30.22504
%SSR(DCB) 103% (48 - 164) Conc: 30.03748

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.95	2.97	849106	30.25323
Decachlorobiphenyl	6.61	6.64	6.67	594197	29.68549

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1155742	30.22504
Decachlorobiphenyl	6.10	6.13	6.16	1421816	30.03748

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	30.25323				0.09	
☑ Decachlorobiphenyl	B	30.03748				1.18	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**25.11**	
4.76	4.79	4.80	785339.6	808.563865			1
5.05	5.07	5.09	830714.8	1476.151387			2
5.23	5.26	5.27	559945.2	847.616336			3
5.40	5.42	5.44	617607.1	857.95717			4
5.63	5.65	5.67	1901060	974.035102			5
5.83	5.85	5.87	1149691	964.449266			6

Height summation: **5844357.7**
Concentration CF: **988.128854** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.61**	
4.33	4.35	4.37	1935582	917.950436			1
4.47	4.49	4.51	2668646	1104.864015			2
4.57	4.59	4.61	1902521	917.574021			3
4.92	4.94	4.96	1451576	873.771151			4
5.11	5.13	5.15	4217417	1029.431922			5
5.37	5.39	5.41	2855422	1161.983303			6

Height summation: **15031164**
Concentration CF: **1000.929141** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<253.9841	<49.3028			4	
☑ PCB-1221			<253.9841	<76.1952			3	
☑ PCB-1232			<253.9841	<61.255			4	
☑ PCB-1242			<253.9841	<61.255			4	
☑ PCB-1248			<253.9841	<49.3028			4	
☑ PCB-1254			<253.9841	<65.7371			4	
☑ PCB-1260	B	1000.929141	253.9841	58.2669		1.29	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004803** ACF DF5 A5304 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.04 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 17:44:22
Instrument : CP25--18274A
Result file : 25PCBS17116021.019.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 104% (61-152) Conc.: 30.25323
%SSR(DCB) : 102% (48-164) Conc.: 29.68549

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	145.93	
3.18	3.20	3.22	1391.719	2.976029			1
3.40	3.40	3.44	2414.915	5.440742			2
3.51	3.53	3.55	1629.585	2.898074			3
3.73	3.76	3.77	3481.76	5.096299			4
3.79	3.81	3.83	3031.975	4.968433			5
3.98	4.00	4.02	18020.29	41.843623			6
Height Summation:			29970.244				
Amount Avg CF:			10.5372	Linear:			
Aroclor-1221					3	110.77	
3.07	3.10	3.11	686.6443	3.014344			1
3.13	3.14	3.17	3702.612	17.706852			2
+ 3.18	3.20	3.22	1391.719	2.174623			3
3.18	3.22	3.22	1657.986	2.590677			3
Height Summation:			6047.2423				
Amount Avg CF:			7.770624	Linear:			
Aroclor-1232					6	158.22	
+ 3.18	3.20	3.22	1391.719	2.433685			1
3.18	3.22	3.22	1657.986	2.899304			1
3.40	3.40	3.44	2414.915	11.3861			2
3.52	3.53	3.56	1629.585	5.839866			3
3.74	3.76	3.78	3481.76	10.174401			4
3.79	3.81	3.83	3031.975	10.648912			5
3.99	4.00	4.03	18020.29	96.807081			6
Height Summation:			30236.511				
Amount Avg CF:			22.959277	Linear:			
Aroclor-1242					6	143.75	
+ 3.18	3.20	3.22	1391.719	3.506865			1
3.18	3.22	3.22	1657.986	4.177807			1
3.40	3.40	3.44	2414.915	6.559761			2
3.51	3.53	3.55	1629.585	3.471022			3
3.73	3.76	3.77	3481.76	6.119487			4
3.79	3.81	3.83	3031.975	6.214706			5
3.98	4.00	4.02	18020.29	50.302426			6
Height Summation:			30236.511				
Amount Avg CF:			12.807535	Linear:			
Aroclor-1248					6	182.27	
3.79	3.81	3.83	3031.975	8.66433			1
3.86	3.88	3.90	40372.9	73.472204			2
3.98	4.00	4.02	18020.29	28.357994			3
4.07	4.09	4.11	22438.84	41.034915			4
4.25	4.26	4.29	158840.9	291.892874			5
+ 4.25	4.27	4.29	28022.36	51.495095			5
4.64	4.66	4.68	689197.8	1550.366416			6
Height Summation:			931902.705				
Amount Avg CF:			332.298122	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 17:44:22
Instrument : CP25--18274B
Result file : 25PCBS17116021B.019.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 104% (61-152) Conc.: 30.22504
%SSR(DCB) : 103% (48-164) Conc.: 30.03748

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	107.13	
3.22	3.24	3.26	6207.632	7.089518			2
3.41	3.42	3.45	7781.762	7.862055			3
+ 3.41	3.45	3.45	7081.187	7.154251			3
3.49	3.51	3.53	3530.647	3.428714			4
3.65	3.67	3.69	38360.19	45.965901			5
3.74	3.76	3.78	48449.53	63.539601			6
Height Summation:			104329.761				
Amount Avg CF:			25.577158	Linear:			
Aroclor-1221					2	55.93	
2.77	2.79	2.81	8712.642	25.535702			1
2.84	2.84	2.88	2330.69	11.061777			2
+ 2.84	2.87	2.88	2028.582	9.627931			2
Height Summation:			11043.332				
Amount Avg CF:			18.29874	Linear:			
Aroclor-1232					5	106.53	
3.22	3.24	3.26	6207.632	15.023691			2
3.41	3.42	3.45	7781.762	17.520754			3
+ 3.41	3.45	3.45	7081.187	15.943399			3
3.49	3.51	3.53	3530.647	7.697377			4
3.65	3.67	3.69	38360.19	108.595005			5
3.75	3.76	3.79	48449.53	137.41344			6
Height Summation:			104329.761				
Amount Avg CF:			57.250053	Linear:			
Aroclor-1242					5	105.18	
3.22	3.24	3.26	6207.632	8.877555			2
3.41	3.42	3.45	7781.762	9.788787			3
+ 3.41	3.45	3.45	7081.187	8.907524			3
3.49	3.51	3.53	3530.647	4.352953			4
3.65	3.67	3.69	38360.19	56.567275			5
3.74	3.76	3.78	48449.53	74.714879			6
Height Summation:			104329.761				
Amount Avg CF:			30.86029	Linear:			
Aroclor-1248					6	188.02	
3.41	3.42	3.45	7781.762	19.657727			1
+ 3.41	3.45	3.45	7081.187	17.887985			1
3.52	3.54	3.56	74377.04	73.544883			2
3.65	3.67	3.69	38360.19	31.715482			3
3.74	3.76	3.78	48449.53	52.447687			4
3.88	3.90	3.92	463451.2	249.478002			5
4.24	4.26	4.28	1514969	1721.652572			6
Height Summation:			2147388.722				
Amount Avg CF:			358.082726	Linear:			
Aroclor-1254					6	76.70	
4.18	4.20	4.22	495344.5	321.192442			1
4.24	4.26	4.28	1514969	535.062621			2
4.33	4.35	4.37	1935582	1488.945079			3
4.40	4.42	4.44	1238728	654.318254			4
4.47	4.49	4.51	2668646	2542.214217			5
4.62	4.64	4.66	1243352	900.337473			6
Height Summation:			9096621.5				
Amount Avg CF:			1073.678348	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004803** ACF DF5 A5304 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.04 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 17:44:22
Instrument : CP25--18274A
Result file : 25PCBS17116021.019.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	79.86	
4.24	4.26	4.28	158840.9	271.404993			1
+ 4.24	4.27	4.28	28022.36	47.880668			1
4.58	4.60	4.62	142720.9	205.453657			2
+ 4.58	4.62	4.62	11359.78	16.352954			2
4.64	4.66	4.68	689197.8	513.106774			3
4.77	4.79	4.81	785339.6	1809.341788			4
4.86	4.87	4.89	642060.9	649.902412			5
5.05	5.07	5.09	830714.8	1130.548345			6
Height Summation:			**3248874.9**				
Amount Avg CF:			**763.292995**	Linear:			
Aroclor-1260					6	25.11	
4.76	4.79	4.80	785339.6	808.563865			1
5.05	5.07	5.09	830714.8	1476.151387			2
5.23	5.26	5.27	559945.2	847.616336			3
5.40	5.42	5.44	617607.1	857.95717			4
5.63	5.65	5.67	1901060	974.035102			5
5.83	5.85	5.87	1149691	964.449266			6
Height Summation:			**5844357.7**				
Amount Avg CF:			**988.128854**	Linear:			
Aroclor-1262					6	29.57	
5.23	5.26	5.27	559945.2	474.972602			1
5.40	5.42	5.44	617607.1	608.419959			2
5.63	5.65	5.67	1901060	726.436367			3
5.83	5.85	5.87	1149691	716.153732			4
5.89	5.91	5.93	222620.7	302.524746			5
6.26	6.28	6.30	460114.5	484.349407			6
Height Summation:			**4911038.5**				
Amount Avg CF:			**552.142802**	Linear:			
Aroclor-1268					6	94.42	
5.83	5.85	5.87	1149691	405.576434			1
5.89	5.91	5.93	222620.7	86.307603			2
6.03	6.05	6.07	17609.57	7.350889			3
+ 6.09	6.10	6.13	30952.93	49.669938			4
6.09	6.13	6.13	195644.7	313.949604			4
6.26	6.28	6.30	460114.5	453.143048			5
6.47	6.49	6.51	115817.6	13.890561			6
Height Summation:			**2161498.07**				
Amount Avg CF:			**213.36969**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 17:44:22
Instrument : CP25--18274B
Result file : 25PCBS17116021B.019.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	11.61	
4.33	4.35	4.37	1935582	917.950436			1
4.47	4.49	4.51	2668646	1104.864015			2
4.57	4.59	4.61	1902521	917.574021			3
4.92	4.94	4.96	1451576	873.771151			4
5.11	5.13	5.15	4217417	1029.431922			5
5.37	5.39	5.41	2855422	1161.983303			6
Height Summation:			**15031164**				
Amount Avg CF:			**1000.929141**	Linear:			
Aroclor-1262					6	32.96	
4.73	4.75	4.77	1033304	389.157415			1
4.92	4.94	4.96	1451576	552.779806			2
5.11	5.13	5.15	4217417	767.480707			3
5.33	5.35	5.36	727751.6	352.214676			4
5.37	5.39	5.41	2855422	796.097552			5
5.75	5.77	5.79	1078468	523.538829			6
Height Summation:			**11363938.6**				
Amount Avg CF:			**563.544831**	Linear:			
Aroclor-1268					6	124.24	
5.33	5.35	5.37	727751.6	111.490258			1
5.37	5.39	5.41	2855422	449.803296			2
5.53	5.54	5.57	50402.88	9.126058			3
5.59	5.61	5.63	22380.09	16.456113			4
5.75	5.77	5.79	1078468	468.81907			5
5.95	5.97	5.99	251470.8	12.822027			6
Height Summation:			**4985895.37**				
Amount Avg CF:			**178.086137**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			253.9841	49.3028		** 83.29	4	40	
Aroclor-1221			253.9841	76.1952		** 80.77	3	5	
Aroclor-1232			253.9841	61.255		** 85.50	4	10	
Aroclor-1242			253.9841	61.255		** 82.68	4	30	
Aroclor-1248			253.9841	49.3028		7.47	4	40	
Aroclor-1254			253.9841	65.7371		33.79	4	40	
Aroclor-1260			253.9841	58.2669		1.29	4	40	
Aroclor-1262			253.9841	49.3028		2.04	4	40	
Aroclor-1268			253.9841	49.3028		18.03	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004803ACF DF5 ACA5304 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 5:44:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		741	678
2.047		8120	9969
2.09		7173	9516
2.146		21852	16929
2.214		45682	33501
2.239		2309	1300
2.29		1369	1634
2.341		20619	15713
2.377		2106	1632
2.407		2332	1922
2.504		3872	3881
2.548		1430	1147
2.576		630	461
2.601		1416	1019
2.666		23177	17942
2.698		1107	793
2.721		966	582
2.753		4056	5135
2.794		4697	3878
2.86		389	225
2.888		1679	1184
2.916		2699	1960
2.946	TCX	849106	585478
3.037		445	302
3.055		5294	3755
3.097		687	531
3.144		3703	3270
3.199		1392	870
3.218		1658	1340
3.252		60368	38398
3.27		11694	5875
3.403		2415	3886
3.469		1595	1421
3.504		426	525
3.525		1630	2818
3.617		1281	647
3.633		1501	1021
3.7		19112	19321
3.761		3482	3845
3.809		3032	3538
3.848		1252	1262
3.88		40373	30785
3.908		10350	6932
3.93		11888	7919
3.969		1511	1233
4.005		18020	13901
4.029		3220	1843
4.062		6925	5460
4.095		22439	19328
4.141		3466	3364
4.197		11247	9307
4.22		5291	3404
4.256		158841	120575
4.273		28022	13321

RT A	Compound A	Height A	Area A
4.298		91728	77719
4.369		79255	66443
4.411		395680	417717
4.446		193586	168630
4.486		12274	8851
4.509		19590	14606
4.55		139863	124310
4.6		142721	109512
4.617		11360	4409
4.63		67884	46257
4.662		689198	627383
4.711		266207	296821
4.746		86170	63247
4.787		785340	758199
4.833		75216	66695
4.874		642061	626677
4.904		7332	4275
4.934		185679	201939
4.986		1191072	1450362
5.036		163910	144925
5.073		830715	893663
5.118		49322	32860
5.155		111389	140925
5.189		1732882	1778467
5.229		19886	9614
5.256		559945	532020
5.299		397085	398347
5.392		296390	246542
5.416		617607	512914
5.472		349510	325172
5.511		194730	188219
5.554		22089	20457
5.591		294821	355297
5.651		1901060	1919839
5.736		6751	6691
5.771		5869	4147
5.796		2514	2615
5.854		1149691	1083536
5.884		81170	49293
5.91		222621	245294
5.953		795	753
5.979		534	180
6.021		5137	4847
6.047		17610	15983
6.097		30953	24873
6.125		195645	189243
6.162		4229	3245
6.189		1006	585
6.231		434	445
6.254		2670	1659
6.281		460115	487755
6.328		35389	33258
6.372		5378	5942
6.405		1350	1589
6.457		479	289
6.487		115818	124377
6.537		540	317
6.576		3139	2936
6.637	DCB	594197	674097
6.672		3150	2016
6.694		1633	1092
6.797		1904	2997
6.831		1742	2428
6.917		921	4214
6.976		1376	1412

LANCASTER LABORATORIES

Sample Number: 9004803ACF DF5 ACA5304 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 5:44:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

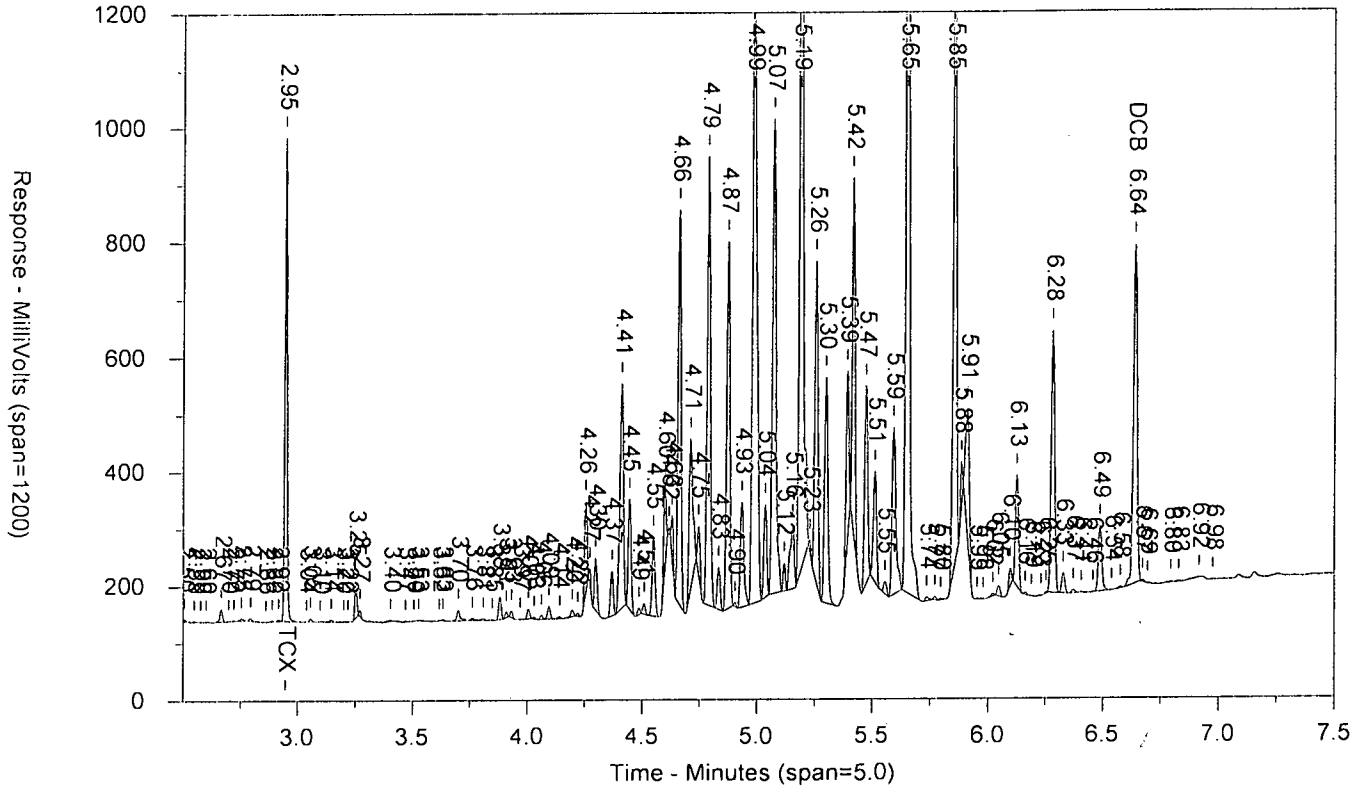
RT B	Compound B	Height B	Area B
2.054		1882	3591
2.114		3074	2924
2.159		3461	4543
2.209		2862	3346
2.235		2941	2546
2.282		1686	1837
2.322		1259	1301
2.367		31609	25910
2.415		1321	857
2.479		1810	1912
2.536		2267	2470
2.553		6092	3917
2.577		1495	731
2.619	TCX	1155742	726927
2.709		3460	4697
2.743		1838	1364
2.763		2131	1850
2.791		8713	5177
2.819		5543	6904
2.843		2331	857
2.871		2029	3586
2.884		1943	1225
2.929		108569	87920
2.955		3006	2782
2.998		2384	2527
3.041		1737	1238
3.103		1303	895
3.118		4923	4637
3.149		4233	4423
3.194		6502	8071
3.24		6208	6880
3.285		4370	6000
3.339		29780	19687
3.369		4323	3486
3.395		6813	5980
3.419		7782	6059
3.449		7081	4038
3.466		2982	1495
3.506		3531	3151
3.543		74377	46364
3.567		28896	16466
3.585		27191	13929
3.606		2908	2938
3.672		38360	23949
3.695		9384	4709
3.717		12712	9805
3.762		48450	35362
3.801		8854	6890
3.842		13270	12393
3.873		57867	34546
3.895		463451	312015
3.921		133471	79378
3.941		53356	28462
3.96		175430	116296

RT B	Compound B	Height B	Area B
3.995		828942	586689
4.027		476312	490562
4.106		53123	44414
4.141		279892	218920
4.197		495345	376963
4.231		280675	249245
4.258		1514969	1413513
4.296		302511	298377
4.35		1935582	1557180
4.387		161315	129122
4.42		1238728	902469
4.444		464026	315887
4.487		2668646	2104880
4.539		7259	4965
4.589		1902521	1803291
4.639		1243352	1015543
4.68		638983	540559
4.717		3584156	2963759
4.749		1033304	712556
4.788		868582	674882
4.846		12881	7401
4.864		43289	29203
4.887		202813	132801
4.905		83827	47395
4.938		1451576	1136141
4.962		572125	400703
5.012		861485	780599
5.047		438243	352444
5.077		301848	239722
5.109		267541	165717
5.131		4217417	3409343
5.172		80734	58002
5.204		120030	103097
5.25		4004	3423
5.269		18353	12410
5.302		12120	8853
5.322		32658	19097
5.346		727752	603315
5.389		2855423	3018926
5.445		7650	8699
5.544		50403	44107
5.59		90941	72874
5.613		22380	14127
5.636		8781	4619
5.662		445164	392748
5.703		6995	6244
5.743		12431	7906
5.769		1078468	887980
5.801		68104	51392
5.876		2217	3425
5.912		1645	2136
5.968		251471	218885
6.019		3502	2788
6.061		2087	1793
6.128	DCB	1421816	1284289
6.165		14848	10777
6.259		3485	3458
6.306		6820	5316
6.332		4286	4121
6.371		2743	2037
6.4		8529	6806
6.497		3425	4910
6.555		12943	12794
6.612		26716	23011
6.666		3586	6430
6.764		1480	1705

RT B	Compound B	Height B	Area B
6.862		933	3674
6.912		5529	11520

9004803ACF DF5 ACA5304 T 171450004A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116021.019.RAW



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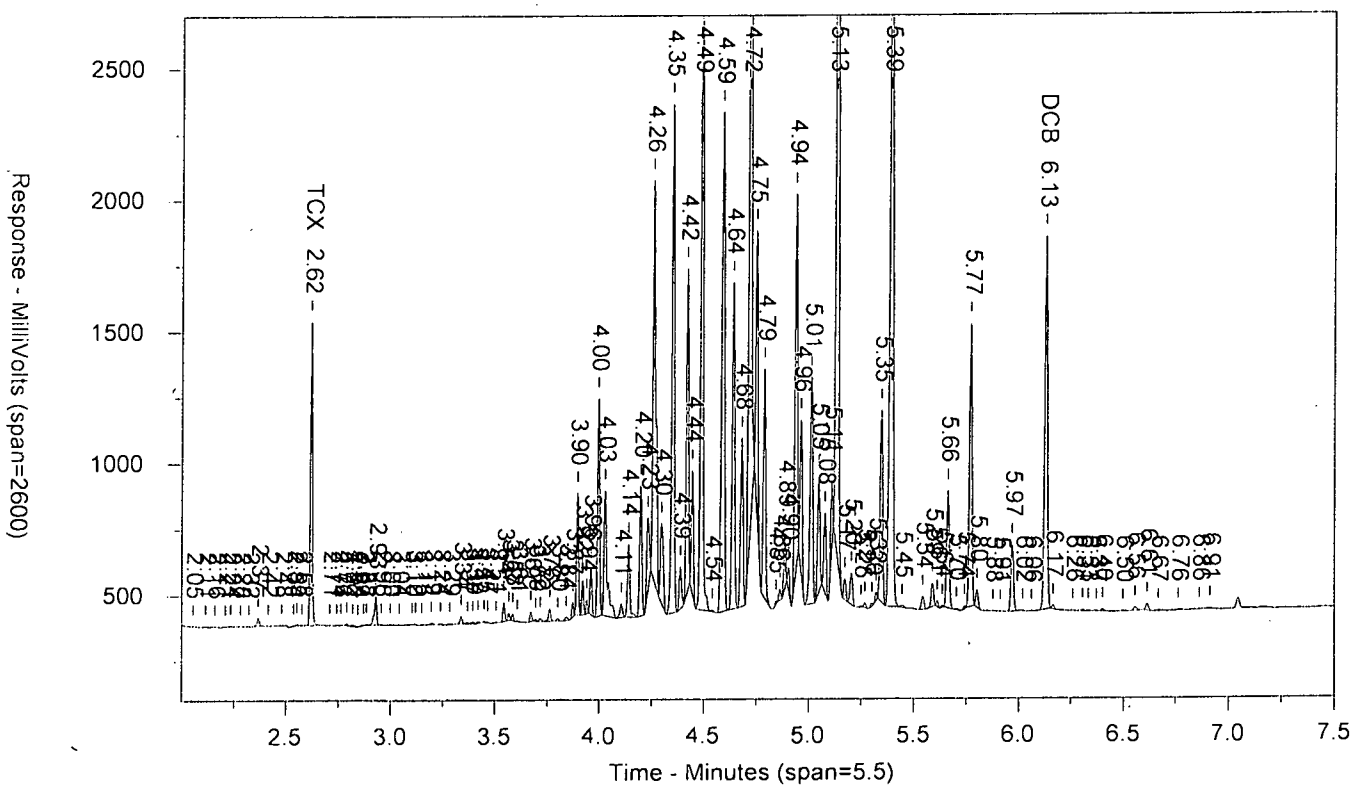

LANCASTER LABORATORIES

Sample Number: 9004803ACF DF5 ACA5304 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 5:44:22 PM
Sample Weight: 10.04
Instrument ID: CP25-18274
Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.946	849106	30.253	TCX	2.619	1155742	30.225	TCX
6.637	594197	29.685	DCB	6.128	1421816	30.037	DCB

Files:
Area File: 25pcbs17116021.019.RAW
Area File: 25pcbs17116021B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 5:52:54 PM
File Reported On: 5/26/2017 at 5:53:04 PM

9004803ACF DF5 ACA5304 T 171450004A 10225 SW-846 8082

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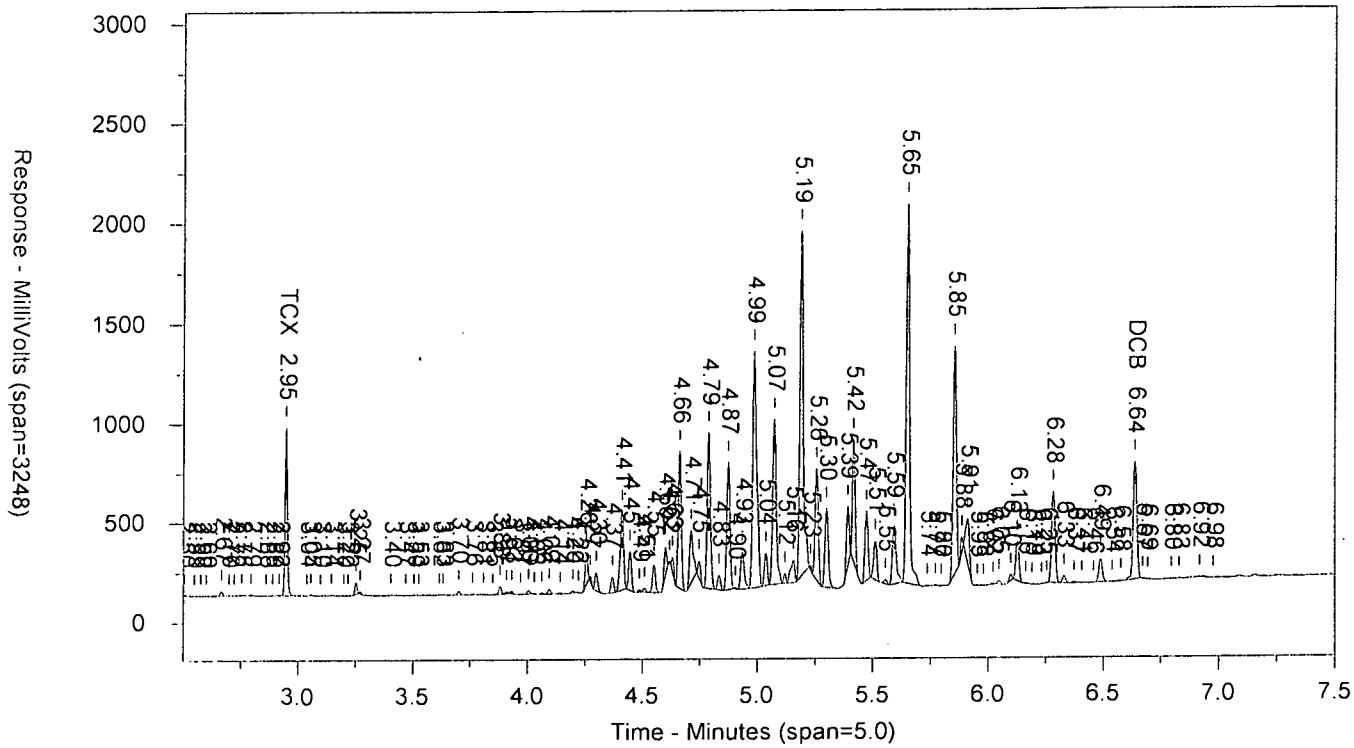

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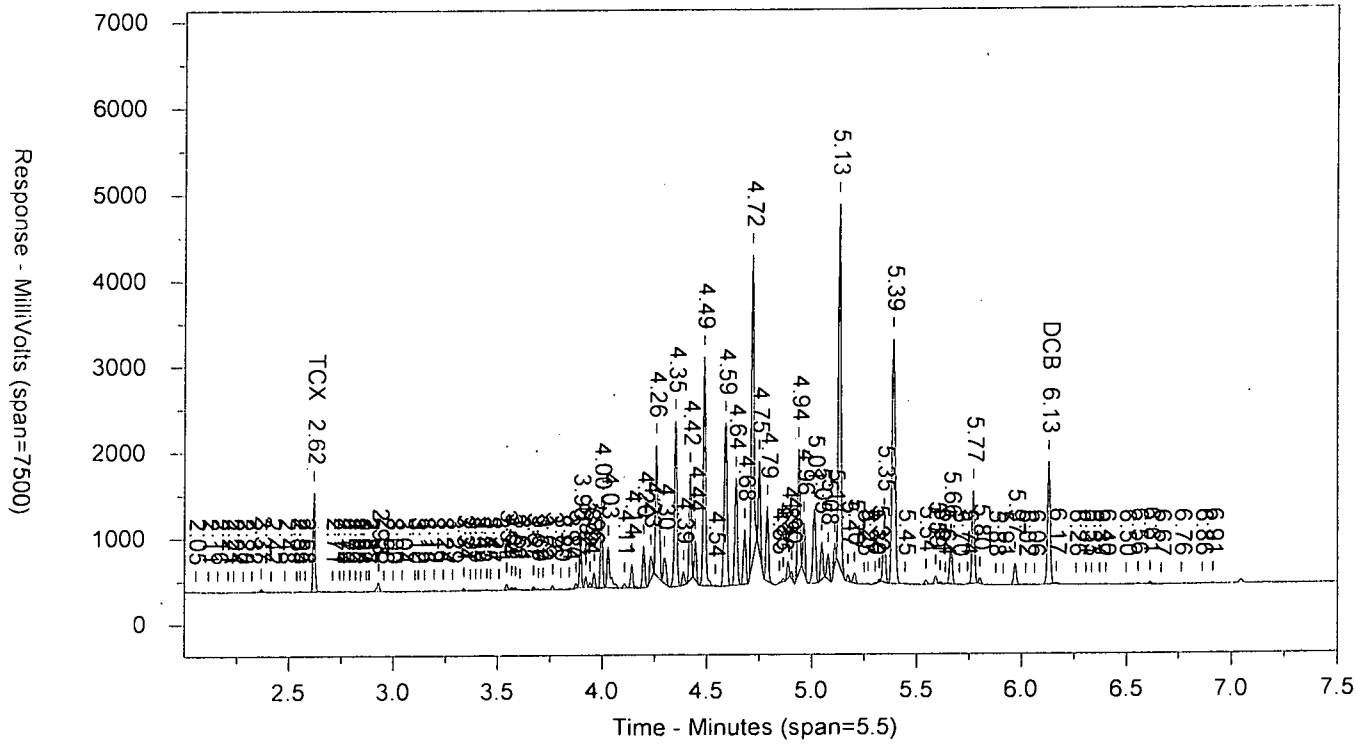

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Data Summary

Sample Name: 9004804 ACF DF5 A5305 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.14 g Total Volume: 50 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 31, 2017 00:25:44
Instrument	17342A
Result file	20PCBS17137012.032.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 105% (61 - 152) Conc: 30.26646
%SSR(DCB) 112% (48 - 164) Conc: 32.29624

Analysis Report (B)

Injected on	May 31, 2017 00:25:44
Instrument	17342B
Result file	20PCBS17137012B.032.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 27.8924
%SSR(DCB) 105% (48 - 164) Conc: 30.40894

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	697530	30.26646
Decachlorobiphenyl	6.58	6.61	6.64	450725	32.29624

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	3910442	27.8924
Decachlorobiphenyl	6.08	6.11	6.14	3004397	30.40894

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	30.26646				8.16	
☑ Decachlorobiphenyl	A	32.29624				6.02	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.52**	
4.73	4.76	4.77	628392.8	739.357586			1
5.20	5.23	5.24	413116	751.291025			3
5.37	5.39	5.41	339017.4	540.346194			4
5.61	5.63	5.65	1369921	900.731114			5
5.82	5.84	5.86	774720.4	906.758849			6

Height summation: **3525167.6**
Concentration CF: **767.696954** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.75**	
4.31	4.33	4.35	5005437	874.189844			1
4.44	4.46	4.48	6505498	963.459234			2
4.55	4.57	4.59	4555278	838.504345			3
4.90	4.92	4.94	3113239	745.519377			4
5.09	5.11	5.13	8679120	915.826754			5
5.35	5.37	5.39	5269452	831.199063			6

Height summation: **33128024**
Concentration CF: **861.44977** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<251.4793	<48.8166			4	
☑ PCB-1221			<251.4793	<75.4438			3	
☑ PCB-1232			<251.4793	<60.6509			4	
☑ PCB-1242			<251.4793	<60.6509			4	
☑ PCB-1248			<251.4793	<48.8166			4	
☑ PCB-1254			<251.4793	<65.0888			4	
☑ PCB-1260	B	861.44977	251.4793	57.6923		11.51	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist
Date: MAY 3 1 2017

Verified by:
Date: MAY 3 1 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004804** ACF DF5 A5305 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.14 g Total Volume: 50 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:25:44
Instrument : CP20--17342A
Result file : 20PCBS17137012.032.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 105% (61-152) Conc.: 30.26646
%SSR(DCB) : 112% (48-164) Conc.: 32.29624

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	144.51	
3.16	3.19	3.20	2899.892	6.968885			1
3.37	3.40	3.41	3245.691	7.638597			2
+ 3.49	3.49	3.53	1218.734	2.547649			3
3.49	3.51	3.53	4065.45	8.498442			3
3.71	3.73	3.75	13817.53	26.070441			4
3.76	3.79	3.80	4200.249	9.689028			5
3.96	3.98	4.00	38081.14	109.556235			6
Height Summation:			66309.952				
Amount Avg CF:			28.070272	Linear:			
Aroclor-1221					3	26.59	
3.06	3.08	3.10	749.5161	3.760066			1
3.11	3.12	3.15	1120.253	6.50069			2
3.16	3.19	3.20	2899.892	5.208917			3
Height Summation:			4769.6611				
Amount Avg CF:			5.156558	Linear:			
Aroclor-1232					6	154.98	
3.16	3.19	3.20	2899.892	5.806981			1
3.38	3.40	3.42	3245.691	16.152227			2
3.49	3.51	3.53	4065.45	18.438682			3
3.71	3.73	3.75	13817.53	57.77002			4
3.77	3.79	3.81	4200.249	22.399514			5
3.96	3.98	4.00	38081.14	262.714681			6
Height Summation:			66309.952				
Amount Avg CF:			63.880351	Linear:			
Aroclor-1242					6	145.87	
3.16	3.19	3.20	2899.892	8.134754			1
3.38	3.40	3.42	3245.691	9.220263			2
3.49	3.51	3.53	4065.45	10.547094			3
3.71	3.73	3.75	13817.53	31.865612			4
3.77	3.79	3.81	4200.249	12.371817			5
3.96	3.98	4.00	38081.14	137.209599			6
Height Summation:			66309.952				
Amount Avg CF:			34.891523	Linear:			
Aroclor-1248					6	163.12	
3.76	3.79	3.80	4200.249	17.845712			1
3.83	3.86	3.87	64084.85	149.719467			2
3.96	3.98	4.00	38081.14	75.544478			3
4.05	4.07	4.09	32167.78	76.764344			4
4.23	4.23	4.27	231621.6	466.595994			5
+ 4.23	4.25	4.27	71546.19	144.128033			5
4.61	4.64	4.65	694503.4	1908.534519			6
Height Summation:			1064659.019				
Amount Avg CF:			449.167419	Linear:			
Aroclor-1254					6	63.96	
4.21	4.23	4.25	231621.6	395.743884			1
4.55	4.57	4.59	250039	425.097844			2
4.61	4.64	4.65	694503.4	584.615755			3
4.73	4.76	4.77	628392.8	1762.296644			4
4.83	4.85	4.87	630739.2	803.432219			5
5.14	5.16	5.18	1223259	1516.877628			6
Height Summation:			3658555				
Amount Avg CF:			914.677329	Linear:			

Analysis Report (B)

Injected on : May 31, 2017 00:25:44
Instrument : CP20--17342B
Result file : 20PCBS17137012B.032.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 97% (61-152) Conc.: 27.8924
%SSR(DCB) : 105% (48-164) Conc.: 30.40894

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	79.20	
2.88	2.91	2.92	189176	82.494839			1
3.21	3.22	3.25	32454.08	11.388342			2
+ 3.21	3.24	3.25	9898.843	3.473567			2
+ 3.40	3.40	3.44	41971.06	14.65711			3
3.40	3.43	3.44	60119.98	20.995066			3
3.47	3.49	3.51	35756.29	10.558806			4
3.63	3.65	3.67	267416	93.988545			5
+ 3.72	3.73	3.76	43800.53	17.965444			6
3.72	3.74	3.76	202547.3	83.077812			6
Height Summation:			787469.65				
Amount Avg CF:			50.417235	Linear:			
Aroclor-1221					3	91.83	
2.77	2.78	2.81	23611.26	19.509917			1
2.83	2.84	2.87	6856.506	9.19064			2
2.88	2.91	2.92	189176	61.127213			3
Height Summation:			219643.766				
Amount Avg CF:			29.94259	Linear:			
Aroclor-1232					6	92.68	
2.88	2.91	2.92	189176	67.524025			1
3.21	3.22	3.25	32454.08	23.968479			2
+ 3.21	3.24	3.25	9898.843	7.310643			2
+ 3.40	3.40	3.44	41971.06	34.646843			3
3.40	3.43	3.44	60119.98	49.628661			3
3.47	3.49	3.51	35756.29	24.025047			4
+ 3.66	3.68	3.70	70001.19	172.227024			5
3.66	3.70	3.70	95793.91	235.685994			5
+ 3.73	3.73	3.77	43800.53	41.103837			6
3.73	3.74	3.77	202547.3	190.076952			6
Height Summation:			615847.56				
Amount Avg CF:			98.48486	Linear:			
Aroclor-1242					6	80.03	
2.88	2.91	2.92	189176	95.942933			1
3.21	3.22	3.25	32454.08	13.782025			2
+ 3.21	3.24	3.25	9898.843	4.203666			2
+ 3.40	3.40	3.44	41971.06	18.12474			3
3.40	3.43	3.44	60119.98	25.962151			3
3.47	3.49	3.51	35756.29	13.510202			4
3.64	3.65	3.68	267416	122.71957			5
+ 3.73	3.73	3.77	43800.53	22.440408			6
3.73	3.74	3.77	202547.3	103.771441			6
Height Summation:			787469.65				
Amount Avg CF:			62.61472	Linear:			
Aroclor-1248					6	161.03	
+ 3.40	3.40	3.44	41971.06	37.163012			1
3.40	3.43	3.44	60119.98	53.23286			1
3.51	3.53	3.55	423597.3	132.984707			2
3.63	3.65	3.67	267416	67.196411			3
+ 3.72	3.73	3.76	43800.53	15.242699			4
3.72	3.74	3.76	202547.3	70.48699			4
3.86	3.87	3.90	2037466	374.345141			5
4.22	4.24	4.26	4006490	1664.896516			6
Height Summation:			6997636.58				
Amount Avg CF:			393.857104	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004804** ACF DF5 A5305 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.14 g Total Volume: 50 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:25:44
Instrument : CP20--17342A
Result file : 20PCBS17137012.032.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	43.79	
4.73	4.76	4.77	628392.8	739.357586			1
5.03	5.05	5.07	799439.7	1702.339008			2
5.20	5.23	5.24	413116	751.291025			3
+ 5.37	5.38	5.41	33204.66	52.923572			4
5.37	5.39	5.41	339017.4	540.346194			4
5.61	5.63	5.65	1369921	900.731114			5
5.82	5.84	5.86	774720.4	906.758849			6
Height Summation:			**4324607.3**				
Amount Avg CF:			**923.470629**	Linear:			
Aroclor-1262					6	30.56	
5.21	5.23	5.24	413116	408.049501			1
+ 5.37	5.38	5.41	33204.66	40.598055			2
5.37	5.39	5.41	339017.4	414.503475			2
5.61	5.63	5.65	1369921	692.993248			3
5.81	5.84	5.85	774720.4	709.137918			4
5.87	5.88	5.91	193615.3	357.752997			5
6.25	6.27	6.29	296305.9	450.029606			6
Height Summation:			**3386696**				
Amount Avg CF:			**505.411124**	Linear:			
Aroclor-1268					6	112.47	
5.81	5.84	5.85	774720.4	318.903556			1
5.87	5.88	5.91	193615.3	91.344293			2
6.00	6.02	6.04	17088.35	8.645909			3
6.07	6.09	6.11	23854.73	52.644825			4
6.25	6.27	6.29	296305.9	362.951862			5
6.45	6.47	6.49	70334.76	11.00915			6
Height Summation:			**1375919.44**				
Amount Avg CF:			**140.916599**	Linear:			

Analysis Report (B)

Injected on : May 31, 2017 00:25:44
Instrument : CP20--17342B
Result file : 20PCBS17137012B.032.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	63.26	
4.16	4.18	4.19	1849687	436.28004			1
4.22	4.24	4.26	4006490	532.588111			2
4.31	4.33	4.35	5005437	1430.348261			3
4.38	4.40	4.42	3921609	775.480807			4
4.44	4.46	4.48	6505498	2233.901344			5
4.60	4.62	4.64	3481110	981.201261			6
Height Summation:			**24769831**				
Amount Avg CF:			**1064.966637**	Linear:			
Aroclor-1260					6	8.75	
4.31	4.33	4.35	5005437	874.189844			1
4.44	4.46	4.48	6505498	963.459234			2
4.55	4.57	4.59	4555278	838.504345			3
4.90	4.92	4.94	3113239	745.519377			4
5.09	5.11	5.13	8679120	915.826754			5
5.35	5.37	5.39	5269452	831.199063			6
Height Summation:			**33128024**				
Amount Avg CF:			**861.449769**	Linear:			
Aroclor-1262					6	34.53	
4.71	4.73	4.75	2118020	322.218133			1
4.90	4.92	4.94	3113239	476.123437			2
5.09	5.11	5.13	8679120	697.832418			3
5.31	5.33	5.35	1444665	280.31919			4
5.35	5.37	5.39	5269452	635.232309			5
5.73	5.75	5.77	2071284	461.377086			6
Height Summation:			**22695780**				
Amount Avg CF:			**478.850429**	Linear:			
Aroclor-1268					6	119.58	
5.31	5.33	5.35	1444665	86.071712			1
5.35	5.37	5.39	5269452	310.085593			2
5.51	5.53	5.55	122764.2	8.408864			3
5.57	5.59	5.61	88415.57	25.048433			4
5.73	5.75	5.77	2071284	362.104716			5
5.93	5.95	5.97	488604.7	11.239131			6
Height Summation:			**9485185.47**				
Amount Avg CF:			**133.826408**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			251.4793	48.8166		** 56.94	4	40	
Aroclor-1221			251.4793	75.4438		** 141.23	3	5	
Aroclor-1232			251.4793	60.6509		** 42.63	4	10	
Aroclor-1242			251.4793	60.6509		** 56.86	4	30	
Aroclor-1248			251.4793	48.8166		13.12	4	40	
Aroclor-1254			251.4793	65.0888		15.18	4	40	
Aroclor-1260			251.4793	57.6923		6.95	4	40	
Aroclor-1262			251.4793	48.8166		5.40	4	40	
Aroclor-1268			251.4793	48.8166		5.16	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004804ACF DF5 ADA5305 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:25:44 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137012.032.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.038		4073	4453
2.1		6296	7018
2.13		13367	8172
2.198		54385	40731
2.31		14023	9396
2.381		3967	5681
2.423		2217	2305
2.502		1094	1422
2.549		1734	1313
2.627		4536	2819
2.648		27650	17352
2.734		1250	1298
2.775		6159	4905
2.825		1708	1780
2.924	TCX	697530	456429
3.013		1293	816
3.038		3360	2062
3.076		750	859
3.123		1120	578
3.189		2900	3485
3.23		41953	22138
3.244		43393	21171
3.397		3246	2051
3.465		1374	1006
3.491		1219	929
3.514		4065	3522
3.587		4170	2961
3.637		932	1075
3.667		5861	3816
3.695		10013	9728
3.734		13818	12060
3.786		4200	3386
3.83		857	720
3.856		64085	47088
3.882		26051	18108
3.904		28300	17997
3.979		38081	26940
4.003		7925	4818
4.034		11572	8270
4.069		32168	31530
4.111		9240	7157
4.138		1924	1081
4.157		1436	871
4.192		11202	8949
4.228		231622	169877
4.248		71546	42411
4.272		131556	100530
4.339		81534	67578
4.381		479675	462495
4.416		200183	164237
4.457		14120	10080
4.48		24731	18038
4.521		167797	158920
4.574		250039	237199

RT A	Compound A	Height A	Area A
4.605		94547	62238
4.635		694503	590263
4.68		221006	261033
4.719		131124	103961
4.757		628393	623993
4.808		68267	61293
4.849		630739	592512
4.878		8259	4384
4.904		141179	125700
4.929		6756	2730
4.956		953401	1204888
5.007		122112	108716
5.049		799440	790542
5.092		49113	36285
5.129		96673	124048
5.165		1223259	1202713
5.188		36702	17715
5.228		413116	363280
5.271		294461	293909
5.314		1992	1614
5.377		33205	41069
5.391		339017	272623
5.451		253386	231425
5.491		148233	136242
5.53		28277	27855
5.576		270864	240895
5.602		18668	10777
5.632		1369921	1368695
5.723		2967	2935
5.752		1203	821
5.792		1367	1042
5.838		774720	783220
5.876		193615	394307
6.023		17088	21725
6.087		23855	19165
6.111		123916	111101
6.176		1202	1005
6.267		296306	315008
6.313		22393	21395
6.387		1060	1664
6.467		70335	73432
6.54		2011	2014
6.612	DCB	450725	474477
6.691		1393	1965
6.944		366	1450
7.128		1249	3303
7.784		2257	3857
8.028		3826	6267
8.258		679	504
8.681		4456	6598

LANCASTER LABORATORIES

Sample Number: 9004804ACF DF5 ADA5305 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:25:44 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137012B.032.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		7483	4859
2.051		6146	2843
2.069		9450	6580
2.111		14744	23252
2.156		18554	16697
2.24		15987	28263
2.284		6679	6005
2.31		7744	3981
2.364		165584	107649
2.394		4759	2125
2.416		3854	2761
2.433		4378	4014
2.463		2998	1309
2.478		2770	1640
2.545		29522	42619
2.591		4886	2933
2.615	TCX	3910443	2287322
2.705		9704	12089
2.732		5734	4315
2.784		23611	18232
2.81		10049	9272
2.836		6857	3841
2.911		189176	86968
2.921		197793	83085
2.947		6774	4671
2.971		4210	1906
2.99		6206	5006
3.034		11534	8199
3.067		3142	1602
3.091		1851	1274
3.106		15529	14042
3.138		2920	2317
3.18		12184	7870
3.225		32454	20521
3.243		9899	4518
3.264		28132	18746
3.325		70466	54628
3.355		5085	3246
3.384		63464	47122
3.404		41971	21916
3.434		60120	48672
3.493		35756	28695
3.527		423597	255753
3.55		248502	137058
3.568		222795	120778
3.653		267416	166278
3.676		70001	37979
3.697		95794	69328
3.726		43801	21262
3.742		202547	113167
3.781		60082	51187
3.829		53292	56385
3.853		294044	173766
3.875		2037466	1316283

RT B	Compound B	Height B	Area B
3.9		712034	421050
3.92		225996	118540
3.939		468649	289670
3.974		2830800	1952216
4.006		1440055	942144
4.023		269998	123205
4.084		179004	140558
4.119		1018130	761755
4.141		26695	25920
4.176		1849687	1379139
4.209		909816	700388
4.236		4006490	3731853
4.275		750963	760356
4.328		5005437	3931280
4.365		469877	388694
4.397		3921609	2650998
4.422		1146046	779241
4.464		6505498	5192070
4.519		19985	15293
4.566		4555278	4292698
4.617		3481110	2792185
4.658		1424338	1244729
4.695		8277624	6837856
4.727		2118020	1432286
4.766		1894847	1491191
4.839		117285	118132
4.866		435502	276368
4.882		209651	116726
4.917		3113239	2350578
4.94		1436264	990058
4.991		1767987	1584211
5.026		1020519	790971
5.056		662332	548592
5.088		738014	471365
5.111		8679120	6971209
5.152		189684	137893
5.184		269141	222924
5.223		4467	3346
5.247		9792	6740
5.281		5518	3042
5.302		82131	49671
5.326		1444665	1207647
5.37		5269453	5984803
5.469		6805	8113
5.526		122764	104603
5.571		190980	150283
5.594		88416	59838
5.643		925260	809258
5.75		2071284	1789676
5.781		133263	99549
5.858		4163	5451
5.949		488605	427650
6.026		2006	2060
6.108	DCB	3004397	2602700
6.283		7410	5810
6.31		19214	15806
6.373		4018	4143
6.477		2554	3060
6.529		10318	11390
6.587		4962	6386
7.013		14257	18376
7.128		2210	3667
7.299		2931	4476
7.556		23085	36186
8.115		2518	2463
8.217		20491	41443

RT B	Compound B	Height B	Area B
8.425		2770	4622
8.668		5069	21931

9004804ACF DF5 ADA5305 T 171450004A 10225 SW-846 8082

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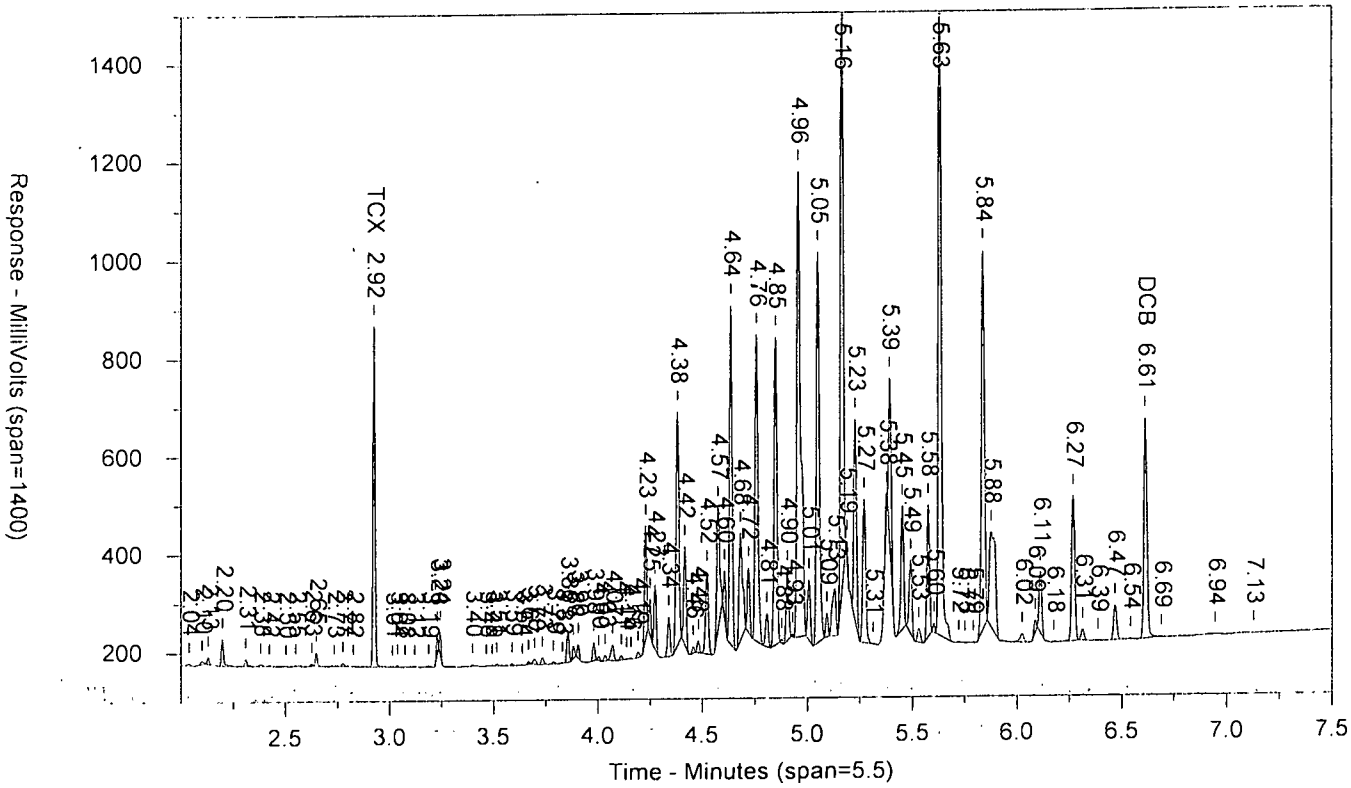

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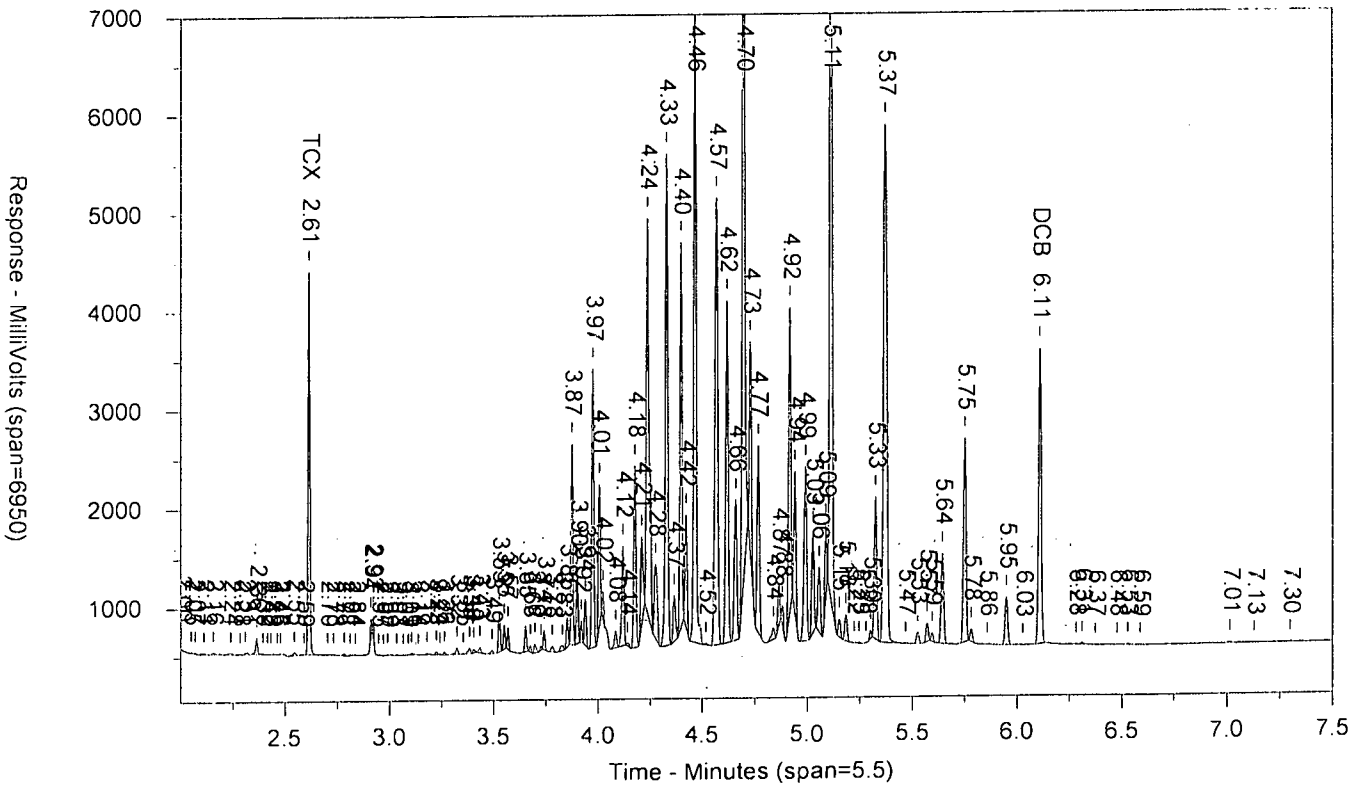


LANCASTER LABORATORIES

Sample Number: 9004804ACF DF5 ADA5305 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:25:44 AM Sample Weight: 10.14
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

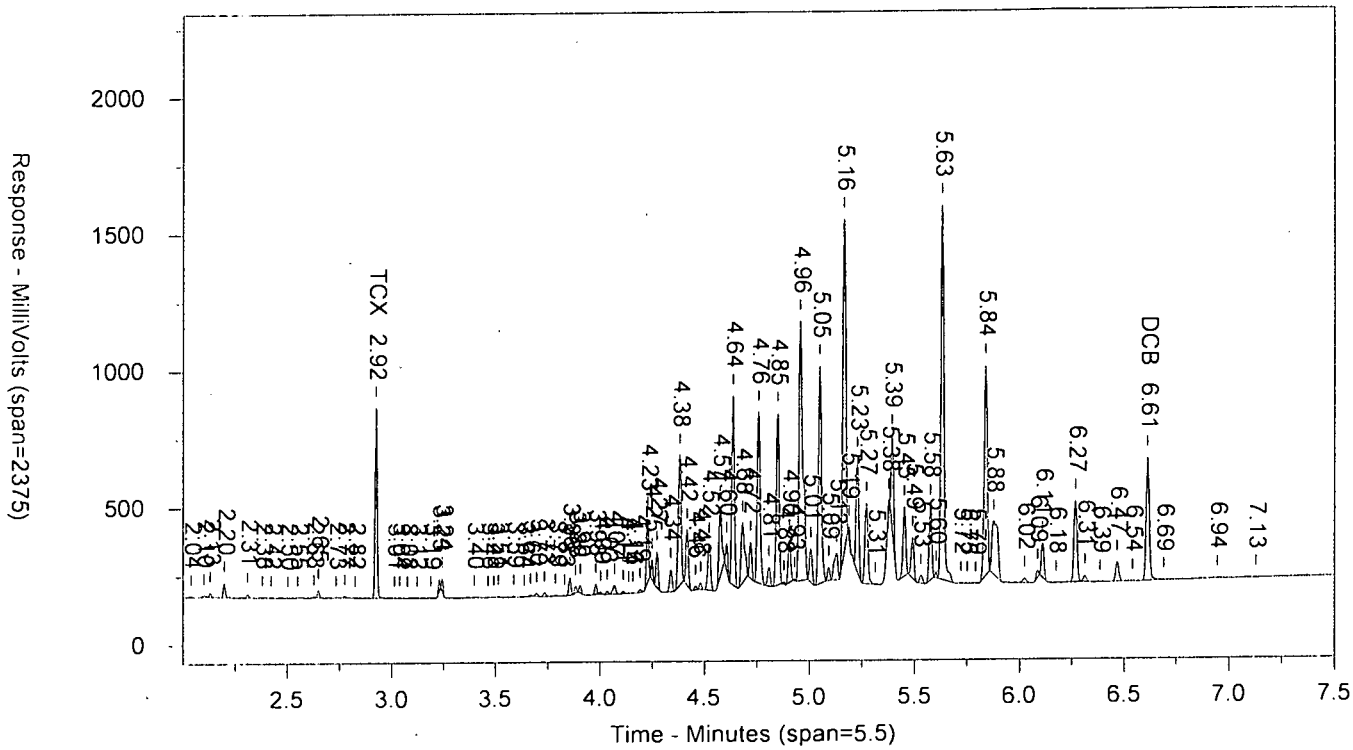
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	697530	30.266	TCX	2.615	3910443	27.892	TCX
6.612	450725	32.296	DCB	6.108	3004397	30.409	DCB

Files:
Area File: 20pcbs17137012.032.RAW
Area File: 20pcbs17137012B.032.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/31/2017 12:34:28 AM
File Reported On: 5/31/2017 at 12:34:36 AM

9004804ACF DF5 ADA5305 T 171450004A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137012.032.RAW



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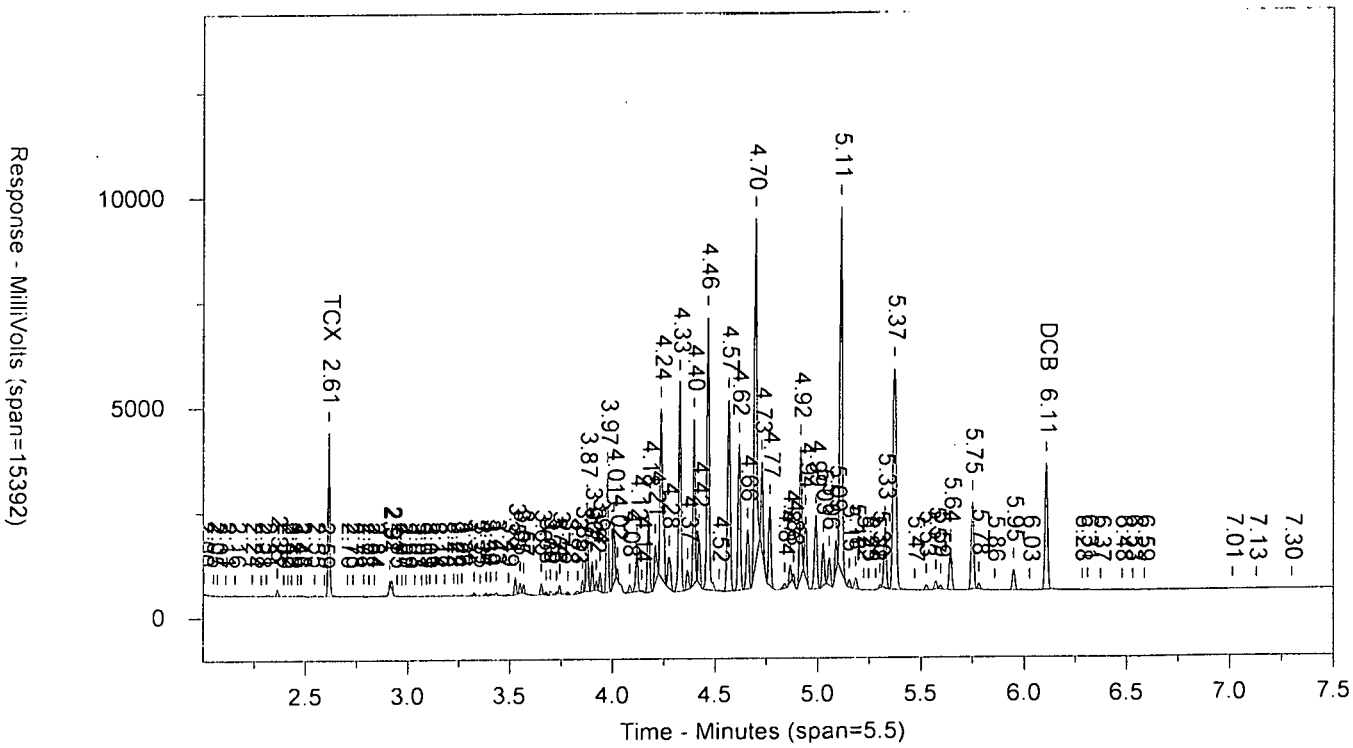

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Data Summary

Sample Name: 9004805 ACF DF10 A5306 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.42 g Total Volume: 100 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 31, 2017 00:37:02
Instrument	17342A
Result file	20PCBS17137012.033.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 101% (61 - 152) Conc: 28.28517
%SSR(DCB) 116% (48 - 164) Conc: 32.70486

Analysis Report (B)

Injected on	May 31, 2017 00:37:02
Instrument	17342B
Result file	20PCBS17137012B.033.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 27.67538
%SSR(DCB) 113% (48 - 164) Conc: 31.75268

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	334934	28.28517
Decachlorobiphenyl	6.58	6.61	6.64	234516	32.70486

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	1993579	27.67538
Decachlorobiphenyl	6.08	6.11	6.14	1611893	31.75268

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	28.28517				2.18	
☑	Decachlorobiphenyl	A	32.70486				2.95	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.10**	
4.73	4.76	4.77	1978296	4530.173523			1
5.20	5.23	5.24	1324249	4687.119981			3
5.37	5.39	5.41	1259526	3907.126534			4
5.61	5.63	5.65	4504598	5764.423937			5
5.82	5.84	5.86	2487047	5665.405954			6

Height summation: **11553716**
Concentration CF: **4910.849986** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.89**	
4.31	4.33	4.35	14474640	4920.075419			1
4.44	4.46	4.48	19915190	5740.338215			2
4.55	4.57	4.59	14295580	5121.444172			3
4.90	4.92	4.94	10770110	5019.573803			4
5.09	5.11	5.13	29588880	6076.680343			5
5.35	5.37	5.39	18889920	5799.224779			6

Height summation: **107934320**
Concentration CF: **5446.222789** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<489.4434	<95.0096			4	
☑	PCB-1221			<489.4434	<146.833			3	
☑	PCB-1232			<489.4434	<118.0422			4	
☑	PCB-1242			<489.4434	<118.0422			4	
☑	PCB-1248			<489.4434	<95.0096			4	
☑	PCB-1254			<489.4434	<126.6795			4	
☑	PCB-1260	B	5446.222789	489.4434	112.2841		10.34	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 31 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 31 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004805** ACF DF10 A5306 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.42 g Total Volume: 100 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:37:02
Instrument : CP20--17342A
Result file : 20PCBS17137012.033.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 28.28517
%SSR(DCB) : 116% (48-164) Conc.: 32.70486

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**158.25**	
3.16	3.18	3.20	2968.943	13.886205			1
3.37	3.40	3.41	4880.664	22.355562			2
3.49	3.51	3.53	5653.084	22.999392			3
3.71	3.73	3.75	21862.09	80.280465			4
3.76	3.78	3.80	8886.689	39.897474			5
3.96	3.98	4.00	74358.39	416.34885			6
Height Summation:			**118609.86**				
Amount Avg CF:			**99.294658**	Linear:			
Aroclor-1221					**2**	**22.60**	
3.06	3.07	3.10	1467.391	14.327176			1
3.16	3.18	3.20	2968.943	10.379291			3
Height Summation:			**4436.334**				
Amount Avg CF:			**12.353234**	Linear:			
Aroclor-1232					**6**	**165.96**	
3.16	3.18	3.20	2968.943	11.570994			1
3.38	3.40	3.42	4880.664	47.272045			2
3.49	3.51	3.53	5653.084	49.900733			3
3.71	3.73	3.75	21862.09	177.89511			4
3.77	3.78	3.81	8886.689	92.236701			5
3.96	3.98	4.00	74358.39	998.40009			6
Height Summation:			**118609.86**				
Amount Avg CF:			**229.545945**	Linear:			
Aroclor-1242					**6**	**159.27**	
3.16	3.18	3.20	2968.943	16.209316			1
3.38	3.40	3.42	4880.664	26.984555			2
3.49	3.51	3.53	5653.084	28.543673			3
3.71	3.73	3.75	21862.09	98.125924			4
3.77	3.78	3.81	8886.689	50.944658			5
3.96	3.98	4.00	74358.39	521.440505			6
Height Summation:			**118609.86**				
Amount Avg CF:			**123.708105**	Linear:			
Aroclor-1248					**6**	**201.45**	
3.76	3.78	3.80	8886.689	73.485062			1
3.83	3.85	3.87	129658.2	589.553361			2
3.96	3.98	4.00	74358.39	287.093258			3
4.05	4.07	4.09	72190.02	335.286332			4
4.23	4.25	4.27	133531.8	523.536401			5
E 4.61	4.63	4.65	1936448	10356.94605			6
Height Summation:			**2355073.099**				
Amount Avg CF:			**2027.650077**	Linear:			
Aroclor-1254					**6**	**75.14**	
4.21	4.23	4.25	531593.9	1767.72773			1
4.55	4.57	4.59	609472.6	2016.673382			2
4.61	4.63	4.65	1936448	3172.50423			3
E 4.73	4.76	4.77	1978296	10797.900433			4
4.83	4.85	4.87	1773361	4396.396018			5
E 5.14	5.16	5.18	4159703	10039.097718			6
Height Summation:			**10988874.5**				
Amount Avg CF:			**5365.049919**	Linear:			

Analysis Report (B)

Injected on : May 31, 2017 00:37:02
Instrument : CP20--17342B
Result file : 20PCBS17137012B.033.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 27.67538
%SSR(DCB) : 113% (48-164) Conc.: 31.75268

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**108.26**	
2.88	2.91	2.92	76869.91	65.24051			1
3.21	3.23	3.25	35877.73	24.502838			2
+ 3.40	3.40	3.44	35522.6	24.143676			3
3.40	3.42	3.44	69064.15	46.940891			3
3.47	3.49	3.51	72903.7	41.89982			4
3.63	3.65	3.67	540710.4	369.872883			5
+ 3.72	3.73	3.76	126909	101.30975			6
3.72	3.74	3.76	408790	326.331567			6
Height Summation:			**1204215.89**				
Amount Avg CF:			**145.798085**	Linear:			
Aroclor-1221					**3**	**57.96**	
2.77	2.78	2.81	51682.98	83.115885			1
2.83	2.84	2.87	9011.93	23.510451			2
2.88	2.91	2.92	76869.91	48.342061			3
Height Summation:			**137564.82**				
Amount Avg CF:			**51.656132**	Linear:			
Aroclor-1232					**6**	**119.03**	
2.88	2.91	2.92	76869.91	53.400939			1
3.21	3.23	3.25	35877.73	51.569908			2
+ 3.40	3.40	3.44	35522.6	57.071424			3
3.40	3.42	3.44	69064.15	110.960047			3
3.47	3.49	3.51	72903.7	95.337026			4
+ 3.66	3.67	3.70	118409.8	567.000907			5
3.66	3.70	3.70	187279.9	896.78281			5
+ 3.73	3.73	3.77	126909	231.790512			6
3.73	3.74	3.77	408790	746.626666			6
Height Summation:			**850785.39**				
Amount Avg CF:			**325.779566**	Linear:			
Aroclor-1242					**6**	**110.41**	
2.88	2.91	2.92	76869.91	75.875847			1
3.21	3.23	3.25	35877.73	29.653019			2
+ 3.40	3.40	3.44	35522.6	29.855671			3
3.40	3.42	3.44	69064.15	58.046328			3
3.47	3.49	3.51	72903.7	53.611652			4
3.64	3.65	3.68	540710.4	482.938015			5
+ 3.64	3.67	3.68	118409.8	105.758265			5
+ 3.73	3.73	3.77	126909	126.544724			6
3.73	3.74	3.77	408790	407.616622			6
Height Summation:			**1204215.89**				
Amount Avg CF:			**184.623581**	Linear:			
Aroclor-1248					**6**	**179.66**	
+ 3.40	3.40	3.44	35522.6	61.216141			1
3.40	3.42	3.44	69064.15	119.018336			1
3.51	3.53	3.55	890132.8	543.880583			2
3.63	3.65	3.67	540710.4	264.437867			3
+ 3.72	3.73	3.76	126909	85.955795			4
3.72	3.74	3.76	408790	276.874529			4
3.86	3.87	3.90	4664004	1667.788503			5
E 4.22	4.23	4.26	11954080	9668.065211			6
Height Summation:			**18526781.35**				
Amount Avg CF:			**2090.010838**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004805** ACF DF10 A5306 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.42 g Total Volume: 100 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:37:02
Instrument : CP20--17342A
Result file : 20PCBS17137012.033.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	40.01	
4.73	4.76	4.77	1978296	4530.173523			1
E 5.03	5.05	5.07	2495255	10341.308774			2
5.20	5.23	5.24	1324249	4687.119981			3
+ 5.37	5.37	5.41	161604.1	501.305783			4
5.37	5.39	5.41	1259526	3907.126534			4
5.61	5.63	5.65	4504598	5764.423937			5
5.82	5.84	5.86	2487047	5665.405954			6
Height Summation:			**14048971**				
Amount Avg CF:			**5815.926451**	Linear:			
Aroclor-1262					6	44.74	
E 5.21	5.23	5.24	1324249	2545.720508			1
+ 5.37	5.37	5.41	161604.1	384.555293			2
E 5.37	5.39	5.41	1259526	2997.185036			2
E 5.61	5.63	5.65	4504598	4434.960454			3
E 5.81	5.84	5.85	2487047	4430.675467			4
5.87	5.88	5.91	224621.1	807.782405			5
+ 5.87	5.89	5.91	215625.9	775.433866			5
E 6.25	6.26	6.29	981946.5	2902.611055			6
Height Summation:			**10781987.6**				
Amount Avg CF:			**3019.822487**	Linear:			
Aroclor-1268					6	127.49	
E 5.81	5.84	5.85	2487047	1992.501214			1
5.87	5.88	5.91	224621.1	206.24932			2
+ 5.87	5.89	5.91	215625.9	197.989838			2
6.00	6.02	6.04	39562.96	38.958258			3
6.07	6.08	6.11	70267.53	301.811722			4
E 6.25	6.26	6.29	981946.5	2340.975065			5
6.45	6.46	6.49	206294.8	62.845225			6
Height Summation:			**4009739.89**				
Amount Avg CF:			**823.890134**	Linear:			

Analysis Report (B)

Injected on : May 31, 2017 00:37:02
Instrument : CP20--17342B
Result file : 20PCBS17137012B.033.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	67.16	
4.16	4.17	4.19	4920705	2258.887807			1
4.22	4.23	4.26	11954080	3092.742723			2
4.31	4.33	4.35	14474640	8050.220864			3
4.38	4.40	4.42	10861600	4180.235985			4
E 4.44	4.46	4.48	19915190	13309.695737			5
4.60	4.61	4.64	10235350	5614.916221			6
Height Summation:			**72361565**				
Amount Avg CF:			**6084.449889**	Linear:			
Aroclor-1260					6	8.89	
4.31	4.33	4.35	14474640	4920.075419			1
4.44	4.46	4.48	19915190	5740.338215			2
4.55	4.57	4.59	14295580	5121.444172			3
4.90	4.92	4.94	10770110	5019.573803			4
5.09	5.11	5.13	29588880	6076.680343			5
5.35	5.37	5.39	18889920	5799.224779			6
Height Summation:			**107934320**				
Amount Avg CF:			**5446.222789**	Linear:			
Aroclor-1262					6	36.44	
E 4.71	4.73	4.75	6964796	2062.189409			1
E 4.90	4.92	4.94	10770110	3205.733887			2
E 5.09	5.11	5.13	29588880	4630.247504			3
5.31	5.33	5.35	4801814	1813.390116			4
E 5.35	5.37	5.39	18889920	4431.976782			5
E 5.73	5.75	5.77	7059234	3060.37173			6
Height Summation:			**78074754**				
Amount Avg CF:			**3200.651571**	Linear:			
Aroclor-1268					6	124.32	
5.31	5.33	5.35	4801814	556.799527			1
E 5.35	5.37	5.39	18889920	2163.448125			2
5.51	5.52	5.55	289930.7	38.650936			3
5.57	5.59	5.61	162975.4	89.861591			4
E 5.73	5.75	5.77	7059234	2401.885725			5
5.93	5.95	5.97	1444774	64.68078			6
Height Summation:			**32648648.1**				
Amount Avg CF:			**885.88778**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			489.4434	95.0096		37.95	4	40	
Aroclor-1221			489.4434	146.833		** 122.80	3	5	
Aroclor-1232			489.4434	118.0422		34.66	4	10	
Aroclor-1242			489.4434	118.0422		39.51	4	30	
Aroclor-1248			489.4434	95.0096	E	3.03	4	40	
Aroclor-1254			489.4434	126.6795	E	12.57	4	40	
Aroclor-1260			489.4434	112.2841	E	6.57	4	40	
Aroclor-1262			489.4434	95.0096	E	5.81	4	40	
Aroclor-1268			489.4434	95.0096	E	7.25	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004805ACF DF10 ADA5306 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:37:02 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137012.033.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		10975	11422
2.1		3480	4537
2.197		184658	138986
2.309		3179	2125
2.38		3985	5047
2.499		1011	1456
2.571		1092	874
2.626		3321	1794
2.647		82173	51988
2.763		1515	2940
2.923	TCX	334934	228901
3.036		8120	5275
3.07		1467	2064
3.18		2969	3553
3.229		177408	164806
3.395		4881	5674
3.466		2437	1690
3.512		5653	4086
3.586		8576	6115
3.624		1706	1933
3.692		14995	18118
3.73		21862	17891
3.784		8887	6985
3.828		1293	1016
3.854		129658	98240
3.881		42582	33369
3.902		21008	11119
3.977		74358	54794
4.001		12921	8358
4.032		25060	17277
4.067		72190	70611
4.108		14620	11633
4.137		2593	1650
4.154		4618	2919
4.189		20178	15817
4.226		531594	398960
4.246		133532	75248
4.27		289706	218343
4.337		195367	169655
4.379		1224218	1160656
4.414		539036	425369
4.454		32529	23114
4.477		59928	44822
4.52		429116	393178
4.572		609473	603314
4.603		256217	159759
4.633		1936448	1670935
4.678		720537	789751
4.716		373833	282177
4.756		1978296	1870262
4.805		174939	160312
4.847		1773361	1688297
4.875		21345	10308
4.902		388840	351665

RT A	Compound A	Height A	Area A
4.927		15741	6570
4.955		2999553	3565945
5.004		364119	323558
5.048		2495255	2420545
5.091		132871	99365
5.127		274391	343532
5.164		4159703	3772607
5.186		143607	68981
5.226		1324249	1163327
5.268		942000	894906
5.312		3456	2497
5.374		161604	154057
5.391		1259527	961333
5.449		744102	695381
5.488		421445	382192
5.529		75298	71813
5.574		819500	713835
5.6		55986	31270
5.63		4504598	4252237
5.665		28992	17133
5.718		10119	10387
5.755		4794	3912
5.798		2012	1317
5.836		2487047	2537042
5.876		224621	246966
5.891		215626	139386
6.021		39563	49276
6.055		1425	599
6.085		70268	49973
6.109		388996	347680
6.172		2614	2537
6.232		5162	3629
6.265		981947	979588
6.31		68271	65171
6.465		206295	224231
6.609	DCB	234516	241249
6.648		4464	3932
6.687		4407	4595
6.776		1272	1163
6.861		820	909
6.92		4043	4556
7.075		4246	4796
7.128		2774	4080
7.35		607	805
7.575		872	1598
7.707		612	2250
7.774		11399	19218
8.029		1809	2676

LANCASTER LABORATORIES

Sample Number: 9004805ACF DF10 ADA5306 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:37:02 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137012B.033.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		5679	3290
2.11		11619	17833
2.157		15404	23431
2.239		17311	26638
2.279		6516	6502
2.31		16087	16492
2.364		461949	299351
2.473		4447	3961
2.534		4299	2803
2.565		3440	2722
2.615	TCX	1993579	1182499
2.705		2319	2228
2.785		51683	28194
2.814		6974	6288
2.844		9012	6780
2.876		7585	4625
2.911		76870	37360
2.922		827071	405670
2.993		2682	1805
3.034		8519	5483
3.068		1978	1813
3.106		27080	33618
3.178		17520	10164
3.201		8570	4222
3.225		35878	23605
3.264		67987	42085
3.308		8861	5630
3.324		12594	6430
3.353		13374	7141
3.383		87297	67346
3.403		35523	16917
3.419		69064	80798
3.492		72904	51534
3.526		890133	543701
3.549		450985	256295
3.567		215624	108108
3.584		15565	8042
3.652		540710	337676
3.674		118410	62380
3.696		187280	123915
3.725		126909	63614
3.741		408790	228492
3.781		114322	100099
3.823		135206	139012
3.852		623273	367042
3.874		4664005	3014904
3.899		1535783	902723
3.918		477338	245723
3.937		1243745	745576
3.973		7478564	5039336
4.005		3710804	2461606
4.022		583416	262115
4.083		425951	314083
4.118		2584534	1914671

RT B	Compound B	Height B	Area B
4.138		47056	37774
4.175		4920705	3611491
4.208		2403947	1942122
4.235		11954080	10946470
4.274		2141956	2187396
4.326		14474640	11501040
4.364		1286141	1016880
4.396		10861600	7533960
4.42		3357737	2263985
4.463		19915190	14543390
4.487		185711	81313
4.516		35346	25274
4.566		14295580	13113960
4.615		10235350	8208276
4.657		4365053	3737301
4.694		25802130	21160550
4.726		6964797	4705477
4.764		6041107	4571145
4.823		73803	42755
4.836		74372	39526
4.864		1355948	930219
4.881		570204	326175
4.916		10770110	7768789
4.939		4234718	2959813
4.99		5453229	4932374
5.025		3022276	2371066
5.055		2145789	1682844
5.087		2276265	1369684
5.11		29588880	23348960
5.15		539010	376546
5.183		803828	649360
5.226		19400	13099
5.247		58031	41537
5.28		32447	20909
5.301		237813	141890
5.325		4801815	3918357
5.369		18889920	19732790
5.468		13476	10263
5.524		289931	249018
5.569		576274	440255
5.593		162975	101534
5.614		31101	14834
5.642		3056147	2471748
5.682		18277	17145
5.721		34548	20876
5.748		7059235	5687478
5.78		404827	297246
5.863		7948	9095
5.948		1444774	1248833
5.994		7773	6448
6.062		3754	2908
6.106	DCB	1611893	1373397
6.143		38665	30602
6.237		8405	7129
6.281		20351	14625
6.308		16169	13246
6.342		6821	4848
6.373		21102	16924
6.472		4813	5808
6.527		30492	30237
6.583		24101	22057
6.638		4152	4531
6.873		1729	1282
7.011		73006	76134
7.123		4414	6192
7.302		3186	4520

RT B	Compound B	Height B	Area B
7.423		2240	3352
7.553		9615	11360
7.837		2949	5088
8.107		5203	9857
8.214		21815	40325
8.425		9732	18573

9004805ACF DF10 ADA5306 T 171450004A 10225 SW-846 8082

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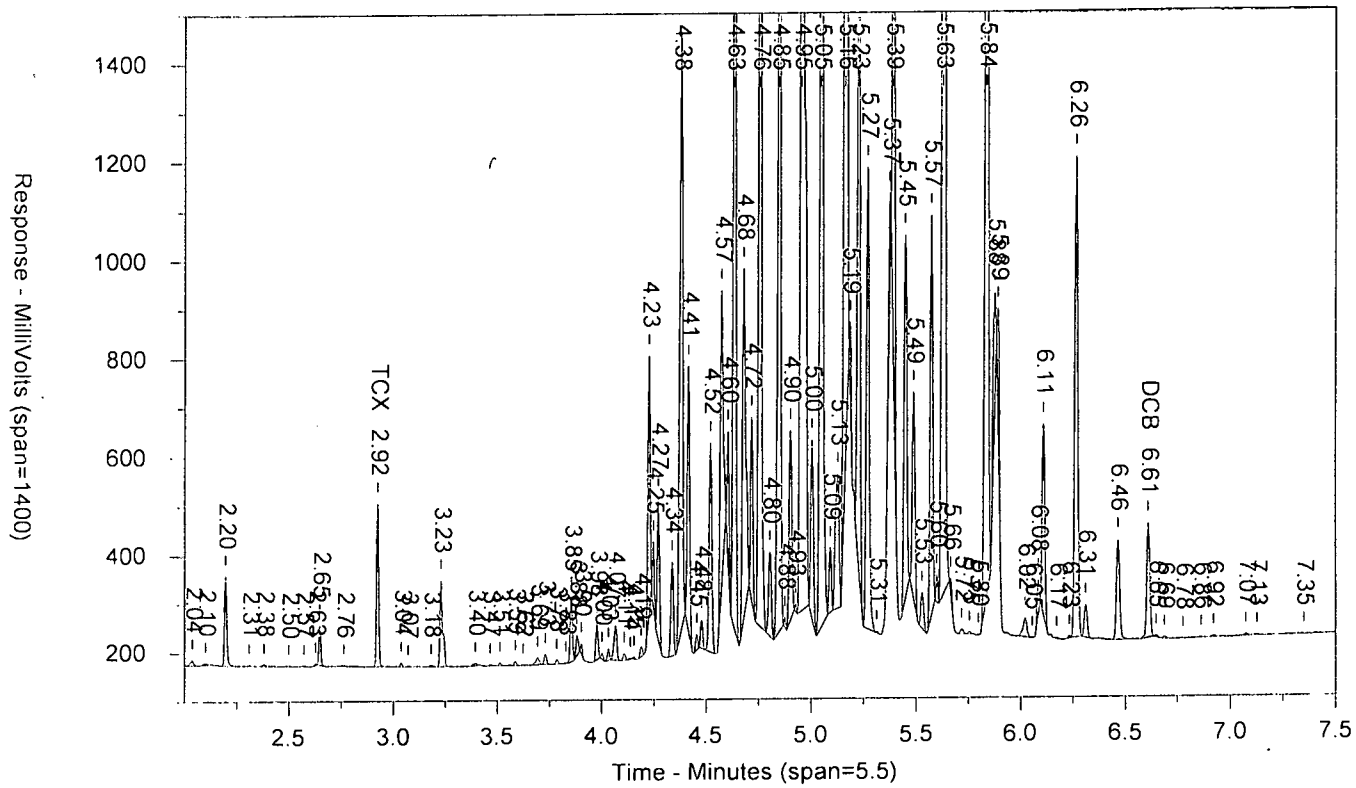

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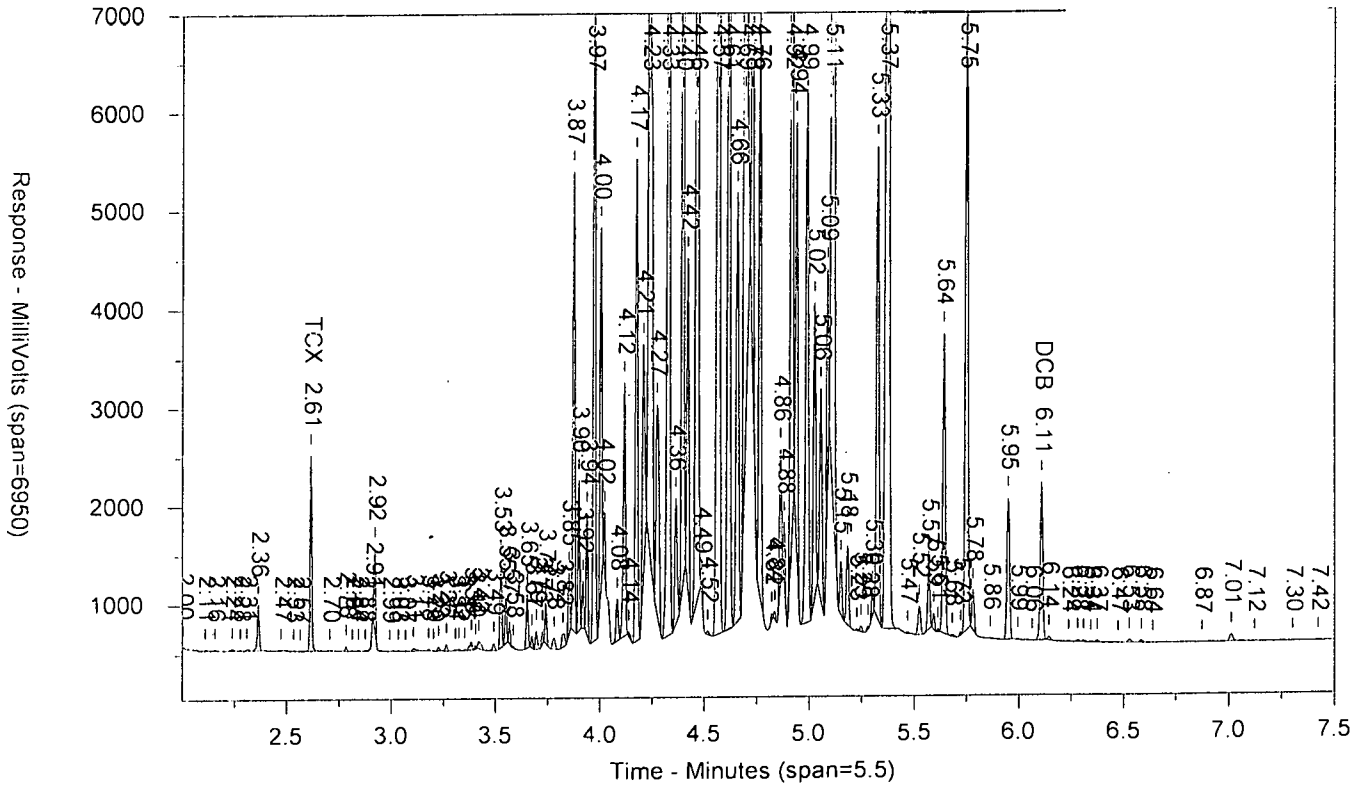

LANCASTER LABORATORIES

Sample Number: 9004805ACF DF10 ADA5306 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:37:02 AM Sample Weight: 10.42
Instrument ID: CP20-17342 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	334934	28.285	TCX	2.615	1993579	27.675	TCX
6.609	234516	32.705	DCB	6.106	1611893	31.753	DCB

Files:
Area File: 20pcbs17137012.033.RAW
Area File: 20pcbs17137012B.033.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/31/2017 12:45:46 AM
File Reported On: 5/31/2017 at 12:45:58 AM

9004805ACF DF10 ADA5306 T 171450004A 10225 SW-846 8082

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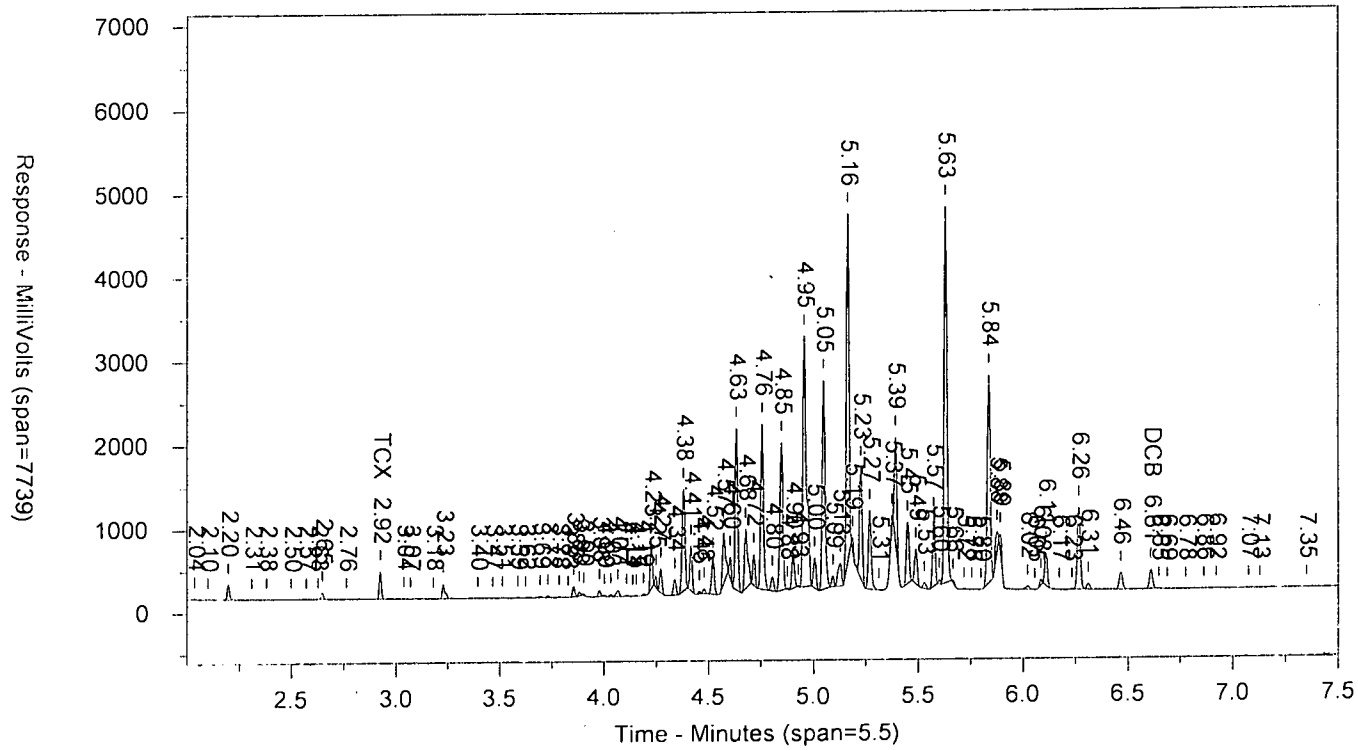

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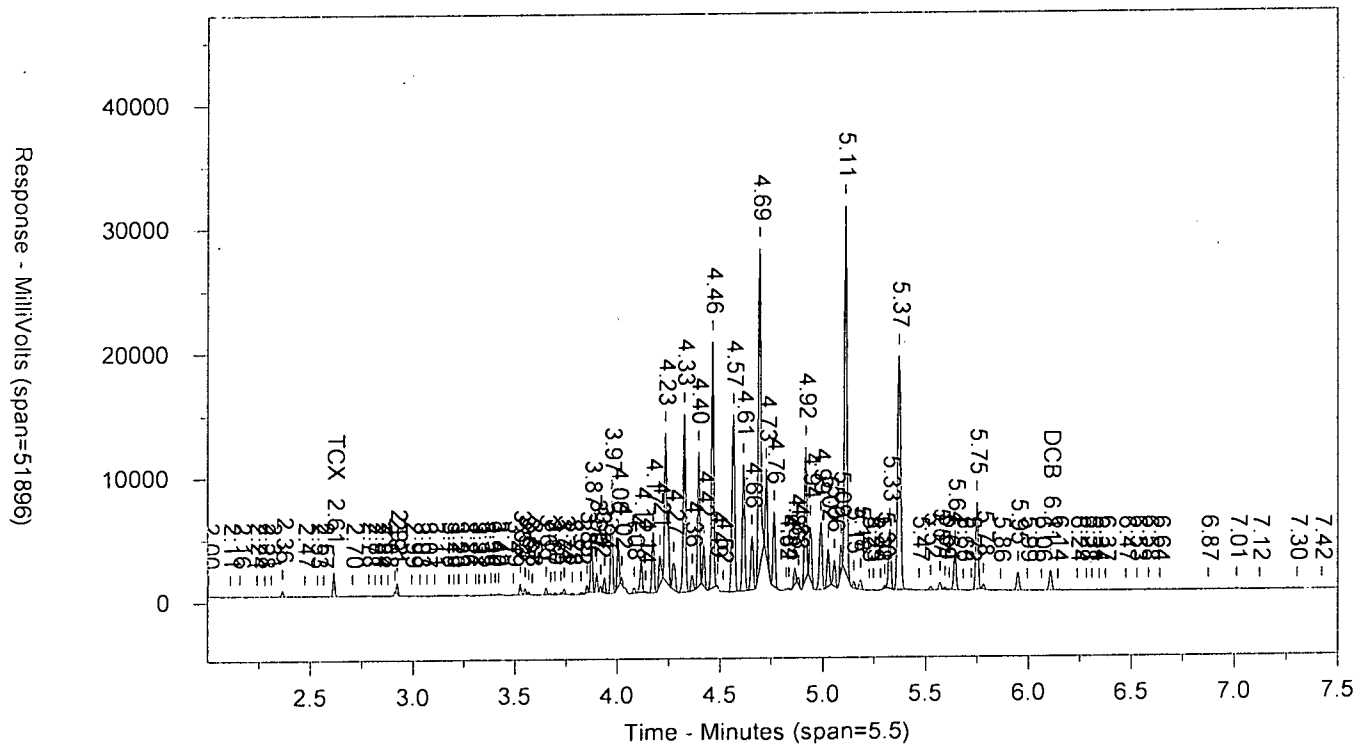

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Data Summary

Sample Name: 9004806 ACF DF5 A5307 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.08 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 18:29:34
Instrument	18274A
Result file	25PCBS17116021.023.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 96% (61 - 152) Conc: 27.82644
%SSR(DCB) 101% (48 - 164) Conc: 29.2358

Analysis Report (B)

Injected on	May 26, 2017 18:29:34
Instrument	18274B
Result file	25PCBS17116021B.023.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 28.35429
%SSR(DCB) 100% (48 - 164) Conc: 28.9355

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	784106	27.82644
Decachlorobiphenyl	6.61	6.63	6.67	587528	29.2358

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1088528	28.35429
Decachlorobiphenyl	6.10	6.13	6.16	1375111	28.9355

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	28.35429				1.88	
☑ Decachlorobiphenyl	A	29.2358				1.03	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**25.13**	
4.76	4.78	4.80	496772.7	509.433773			1
5.05	5.07	5.09	506922.2	897.208631			2
5.23	5.25	5.27	349934.5	527.61087			3
5.40	5.41	5.44	367977.9	509.152927			4
5.63	5.65	5.67	1119994	571.567677			5
5.83	5.85	5.87	672443	561.858445			6

Height summation: **3514044.3**
Concentration CF: **596.138721** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.93**	
4.33	4.35	4.37	1274643	602.101076			1
4.47	4.48	4.51	1621570	668.692948			2
4.57	4.59	4.61	1163749	559.041632			3
4.92	4.93	4.96	865542.2	518.942632			4
5.11	5.13	5.15	2478863	602.666141			5
5.37	5.39	5.41	1655973	671.206291			6

Height summation: **9060340.2**
Concentration CF: **603.77512** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<252.9762	<49.1071			4	
☑ PCB-1221			<252.9762	<75.8929			3	
☑ PCB-1232			<252.9762	<61.0119			4	
☑ PCB-1242			<252.9762	<61.0119			4	
☑ PCB-1248			<252.9762	<49.1071			4	
☑ PCB-1254			<252.9762	<65.4762			4	
☑ PCB-1260	B	603.77512	252.9762	58.0357		1.27	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004806** ACF DF5 A5307 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.08 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 18:29:34
Instrument : CP25--18274A
Result file : 25PCBS17116021.023.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 96% (61-152) Conc.: 27.82644
%SSR(DCB) : 101% (48-164) Conc.: 29.2358

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	158.17	
3.18	3.20	3.22	1043.674	2.222919			1
3.40	3.42	3.44	1278.421	2.868821			2
3.51	3.54	3.55	3831.493	6.786934			3
3.73	3.76	3.77	3549.266	5.174493			4
3.79	3.80	3.83	3336.157	5.445195			5
3.98	4.00	4.02	23005.9	53.208364			6
Height Summation:			36044.911				
Amount Avg CF:			12.617788	Linear:			
Aroclor-1221					3	131.17	
3.07	3.09	3.11	779.8021	3.409719			1
3.13	3.14	3.17	5430.748	25.868187			2
3.18	3.20	3.22	1043.674	1.624316			3
Height Summation:			7254.2241				
Amount Avg CF:			10.300741	Linear:			
Aroclor-1232					6	168.90	
3.18	3.20	3.22	1043.674	1.81782			1
3.40	3.42	3.44	1278.421	6.003717			2
3.52	3.54	3.56	3831.493	13.676251			3
3.74	3.76	3.78	3549.266	10.33051			4
3.79	3.80	3.83	3336.157	11.670763			5
3.99	4.00	4.03	23005.9	123.099916			6
+ 3.99	4.02	4.03	3200.543	17.125458			6
Height Summation:			36044.911				
Amount Avg CF:			27.766496	Linear:			
Aroclor-1242					6	157.77	
3.18	3.20	3.22	1043.674	2.619422			1
3.40	3.42	3.44	1278.421	3.458862			2
3.51	3.54	3.55	3831.493	8.128709			3
3.73	3.76	3.77	3549.266	6.21338			4
3.79	3.80	3.83	3336.157	6.811059			5
3.98	4.00	4.02	23005.9	63.964581			6
Height Summation:			36044.911				
Amount Avg CF:			15.199336	Linear:			
Aroclor-1248					6	200.16	
3.79	3.80	3.83	3336.157	9.495744			1
3.86	3.88	3.90	40750.27	73.864675			2
3.98	4.00	4.02	23005.9	36.060035			3
4.07	4.09	4.11	19188.92	34.952388			4
4.25	4.27	4.29	22126.24	40.498781			5
4.64	4.66	4.68	480893.2	1077.487614			6
Height Summation:			589300.687				
Amount Avg CF:			212.059873	Linear:			
Aroclor-1254					6	68.13	
4.24	4.25	4.28	135831.6	231.168945			1
+ 4.24	4.27	4.28	22126.24	37.656183			1
4.58	4.60	4.62	156919.6	224.996972			2
4.64	4.66	4.68	480893.2	356.603567			3
4.77	4.78	4.81	496772.7	1139.971565			4
4.86	4.87	4.89	443777.5	447.414841			5
5.05	5.07	5.09	506922.2	687.150208			6
Height Summation:			2221116.8				
Amount Avg CF:			514.551016	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 18:29:34
Instrument : CP25--18274B
Result file : 25PCBS17116021B.023.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 98% (61-152) Conc.: 28.35429
%SSR(DCB) : 100% (48-164) Conc.: 28.9355

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	110.27	
3.22	3.24	3.26	4654.927	5.295132			2
+ 3.41	3.42	3.45	3697.323	3.720649			3
3.41	3.45	3.45	6802.292	6.845207			3
3.49	3.51	3.53	3459.282	3.346078			4
3.65	3.67	3.69	48111.27	57.421566			5
+ 3.65	3.69	3.69	10018.34	11.957048			5
3.74	3.76	3.78	45212.61	59.059216			6
Height Summation:			108240.381				
Amount Avg CF:			26.39344	Linear:			
Aroclor-1221					2	63.53	
2.77	2.79	2.81	4645.395	13.561064			1
2.84	2.85	2.88	7547.532	35.679483			2
Height Summation:			12192.927				
Amount Avg CF:			24.620273	Linear:			
Aroclor-1232					5	111.04	
3.22	3.24	3.26	4654.927	11.221134			2
+ 3.41	3.42	3.45	3697.323	8.291544			3
3.41	3.45	3.45	6802.292	15.254687			3
3.49	3.51	3.53	3459.282	7.511862			4
3.65	3.67	3.69	48111.27	135.659153			5
+ 3.65	3.69	3.69	10018.34	28.248673			5
3.75	3.76	3.79	45212.61	127.723968			6
Height Summation:			108240.381				
Amount Avg CF:			59.474161	Linear:			
Aroclor-1242					5	109.28	
3.22	3.24	3.26	4654.927	6.630609			2
+ 3.41	3.42	3.45	3697.323	4.632458			3
3.41	3.45	3.45	6802.292	8.522743			3
3.49	3.51	3.53	3459.282	4.248043			4
3.65	3.67	3.69	48111.27	70.665025			5
3.74	3.76	3.78	45212.61	69.446488			6
Height Summation:			108240.381				
Amount Avg CF:			31.902581	Linear:			
Aroclor-1248					6	171.23	
+ 3.41	3.42	3.45	3697.323	9.302848			1
3.41	3.45	3.45	6802.292	17.115272			1
3.52	3.54	3.56	77432.4	76.262225			2
+ 3.52	3.56	3.56	30516.64	30.055466			2
3.65	3.67	3.69	48111.27	39.619644			3
+ 3.65	3.69	3.69	10018.34	8.250106			3
3.74	3.76	3.78	45212.61	48.749429			4
3.88	3.89	3.92	389701.4	208.945679			5
4.24	4.25	4.28	992281.9	1123.181702			6
Height Summation:			1559541.872				
Amount Avg CF:			252.312325	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004806** ACF DF5 A5307 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.08 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 18:29:34
Instrument : CP25--18274A
Result file : 25PCBS17116021.023.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	25.13	
4.76	4.78	4.80	496772.7	509.433773			1
5.05	5.07	5.09	506922.2	897.208631			2
5.23	5.25	5.27	349934.5	527.61087			3
5.40	5.41	5.44	367977.9	509.152927			4
5.63	5.65	5.67	1119994	571.567677			5
5.83	5.85	5.87	672443	561.858445			6
Height Summation:			**3514044.3**				
Amount Avg CF:			**596.138721**	Linear:			
Aroclor-1262					6	27.15	
5.23	5.25	5.27	349934.5	295.653466			1
5.40	5.41	5.44	367977.9	361.06558			2
5.63	5.65	5.67	1119994	426.275753			3
5.83	5.85	5.87	672443	417.209112			4
5.89	5.91	5.93	134046.5	181.436233			5
6.26	6.28	6.30	306347.5	321.203578			6
Height Summation:			**2950743.4**				
Amount Avg CF:			**333.807287**	Linear:			
Aroclor-1268					6	95.88	
5.83	5.85	5.87	672443	236.276342			1
5.89	5.91	5.93	134046.5	51.762134			2
6.03	6.04	6.07	10743.26	4.46684			3
+ 6.09	6.09	6.13	20588.95	32.907829			4
6.09	6.12	6.13	122615	195.978593			4
6.26	6.28	6.30	306347.5	300.508612			5
6.47	6.48	6.51	73123.49	8.73525			6
Height Summation:			**1319318.75**				
Amount Avg CF:			**132.954628**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 18:29:34
Instrument : CP25--18274B
Result file : 25PCBS17116021B.023.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	69.72	
4.18	4.19	4.22	392818.3	253.701401			1
4.24	4.25	4.28	992281.9	349.06726			2
4.33	4.35	4.37	1274643	976.627277			3
4.40	4.42	4.44	871256.8	458.387159			4
+ 4.40	4.44	4.44	293410.3	154.369543			4
4.47	4.48	4.51	1621570	1538.615336			5
4.62	4.64	4.66	818702.9	590.487541			6
Height Summation:			**5971272.9**				
Amount Avg CF:			**694.480996**	Linear:			
Aroclor-1260					6	9.93	
4.33	4.35	4.37	1274643	602.101076			1
4.47	4.48	4.51	1621570	668.692948			2
4.57	4.59	4.61	1163749	559.041632			3
4.92	4.93	4.96	865542.2	518.942632			4
5.11	5.13	5.15	2478863	602.666141			5
5.37	5.39	5.41	1655973	671.206291			6
Height Summation:			**9060340.2**				
Amount Avg CF:			**603.77512**	Linear:			
Aroclor-1262					6	31.46	
4.73	4.75	4.77	618021.1	231.832161			1
4.92	4.93	4.96	865542.2	328.302218			2
5.11	5.13	5.15	2478863	449.310563			3
5.33	5.34	5.36	435686.2	210.025131			4
5.37	5.39	5.41	1655973	459.856595			5
5.75	5.77	5.79	667313	322.659458			6
Height Summation:			**6721398.5**				
Amount Avg CF:			**333.664354**	Linear:			
Aroclor-1268					6	123.37	
5.33	5.34	5.37	435686.2	66.481489			1
5.37	5.39	5.41	1655973	259.823701			2
5.53	5.54	5.57	33568.29	6.053831			3
5.59	5.61	5.63	16425.88	12.030045			4
5.75	5.77	5.79	667313	288.935412			5
5.95	5.97	5.99	164501.9	8.354361			6
Height Summation:			**2973468.27**				
Amount Avg CF:			**106.946473**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			252.9762	49.1071		** 70.62	4	40	
Aroclor-1221			252.9762	75.8929		** 82.01	3	5	
Aroclor-1232			252.9762	61.0119		** 72.69	4	10	
Aroclor-1242			252.9762	61.0119		** 70.92	4	30	
Aroclor-1248			252.9762	49.1071		17.34	4	40	
Aroclor-1254			252.9762	65.4762		29.76	4	40	
Aroclor-1260			252.9762	58.0357		1.27	4	40	
Aroclor-1262			252.9762	49.1071		0.04	4	40	
Aroclor-1268			252.9762	49.1071		21.68	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004806ACF DF5 ACA5307 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 6:29:34 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		680	711
2.044		8443	10342
2.089		6962	10395
2.144		19287	13564
2.176		1480	1522
2.211		41212	29853
2.238		2059	1133
2.297		1063	1194
2.339		20577	15832
2.374		2316	2000
2.405		1708	1768
2.449		671	392
2.503		5718	7317
2.546		1275	1728
2.602		2054	1493
2.664		19478	15349
2.699		2300	2368
2.749		2854	4078
2.79		9912	8295
2.884		2841	2185
2.913		2818	2144
2.944	TCX	784106	549442
3.007		646	499
3.033		394	160
3.054		4672	4174
3.093		780	998
3.142		5431	5021
3.197		1044	628
3.226		2353	1599
3.249		49915	30723
3.267		10860	5583
3.307		2988	2239
3.388		3173	3356
3.418		1278	1594
3.463		3329	2815
3.539		3831	9350
3.617		1574	1229
3.694		20684	21231
3.76		3549	4775
3.804		3336	3439
3.839		2908	2845
3.876		40750	31165
3.904		11412	7899
3.926		7113	4395
3.963		1501	1212
4		23006	18568
4.025		3201	2041
4.057		7890	6345
4.09		19189	15791
4.133		4767	4642
4.193		11006	7759
4.215		5138	3396
4.251		135832	106668
4.269		22126	11455

RT A	Compound A	Height A	Area A
4.294		88313	74913
4.364		58578	48270
4.407		309297	337812
4.441		153148	131158
4.481		8503	5988
4.504		15890	11444
4.546		113115	101675
4.596		156920	141850
4.626		64016	41223
4.657		480893	438238
4.707		171877	189539
4.741		78588	55708
4.783		496773	495373
4.828		54068	46252
4.869		443778	441823
4.901		5566	3240
4.929		125892	131493
4.982		709745	928160
5.032		103577	90262
5.068		506922	578282
5.114		32244	21572
5.151		72037	93036
5.185		1058928	1102777
5.224		11842	6625
5.252		349935	331085
5.295		246534	249475
5.388		181787	153066
5.412		367978	309302
5.469		218794	209325
5.507		131143	126897
5.55		13859	14435
5.587		190146	233236
5.647		1119994	1159249
5.732		2368	2315
5.767		1957	1357
5.792		858	534
5.85		672443	648376
5.881		40257	29678
5.907		134047	153873
6.016		3674	4298
6.042		10743	9623
6.093		20589	15415
6.121		122615	119941
6.159		1608	978
6.184		853	588
6.222		652	343
6.25		814	756
6.277		306348	301617
6.322		21487	19821
6.365		2828	3012
6.407		1195	1446
6.481		73123	78059
6.571		3790	4044
6.63	DCB	587528	652709
6.688		977	540
6.748		505	910
6.783		1991	3438
6.833		1492	2439
6.901		7842	25009

LANCASTER LABORATORIES

Sample Number: 9004806ACF DF5 ACA5307 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 6:29:34 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.116		1849	1754
2.176		3195	4300
2.209		2552	3303
2.236		3324	3400
2.281		2948	2775
2.367		26551	21902
2.478		5760	10424
2.552		12529	7861
2.575		3716	2284
2.619	TCX	1088528	691919
2.671		5190	4510
2.766		4916	3961
2.79		4645	2468
2.855		7548	7413
2.928		91943	83290
2.994		2218	2198
3.033		5087	5425
3.116		8910	8460
3.157		1718	1844
3.2		7216	8416
3.237		4655	5034
3.282		7972	9330
3.337		29651	20690
3.365		5951	4683
3.394		7621	6343
3.42		3697	3225
3.446		6802	6658
3.505		3459	1875
3.541		77432	49857
3.564		30517	17079
3.582		17291	8376
3.6		3905	3794
3.669		48111	30513
3.691		10018	5270
3.713		12608	8757
3.758		45213	35140
3.797		9789	7440
3.839		11432	13899
3.87		63298	36966
3.892		389701	260026
3.917		133923	79370
3.937		42390	22302
3.957		132228	85980
3.992		629768	443935
4.024		322673	212670
4.041		49476	21555
4.102		41724	34341
4.137		220343	179662
4.194		392818	301938
4.228		215689	182380
4.255		992282	923515
4.293		201600	196856
4.346		1274643	998141
4.384		114875	90707

RT B	Compound B	Height B	Area B
4.416		871257	626897
4.441		293410	199007
4.483		1621570	1323223
4.537		3268	1837
4.586		1163749	1137160
4.635		818703	683025
4.676		378524	338750
4.714		2199231	1834338
4.746		618021	439452
4.785		549401	418744
4.86		40979	36148
4.883		119792	79825
4.901		54254	31456
4.934		865542	676921
4.958		371407	257652
5.009		502701	468378
5.044		286875	224356
5.074		186063	148697
5.106		179710	110975
5.128		2478863	1982239
5.17		60001	43460
5.2		75171	61066
5.264		5785	4214
5.299		4405	2971
5.319		22427	13583
5.342		435686	368662
5.386		1655973	1822490
5.485		2793	3757
5.541		33568	30080
5.587		58318	45267
5.61		16426	10439
5.633		5095	2904
5.659		289415	248410
5.701		3157	2489
5.74		4604	2667
5.766		667313	561091
5.798		43057	32311
5.966		164502	144918
6.013		1965	1211
6.125	DCB	1375111	1232459
6.256		1490	998
6.3		3707	3085
6.326		2616	3973
6.394		3080	2589
6.497		1654	1717
6.553		4337	4830
6.608		5122	4748
6.655		2102	2362
6.874		1115	6958

9004806ACF DF5 ACA5307 T 171450004A 10225 SW-846 8082

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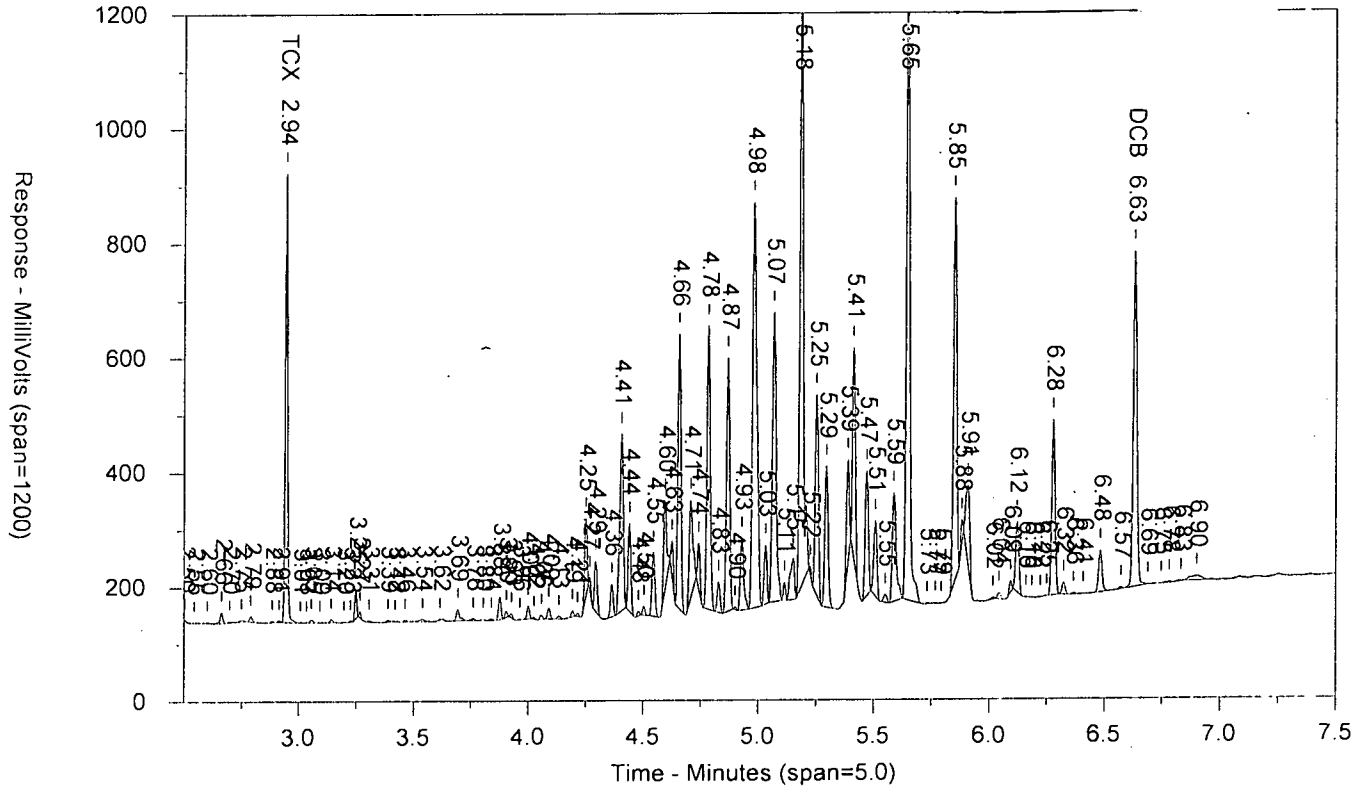

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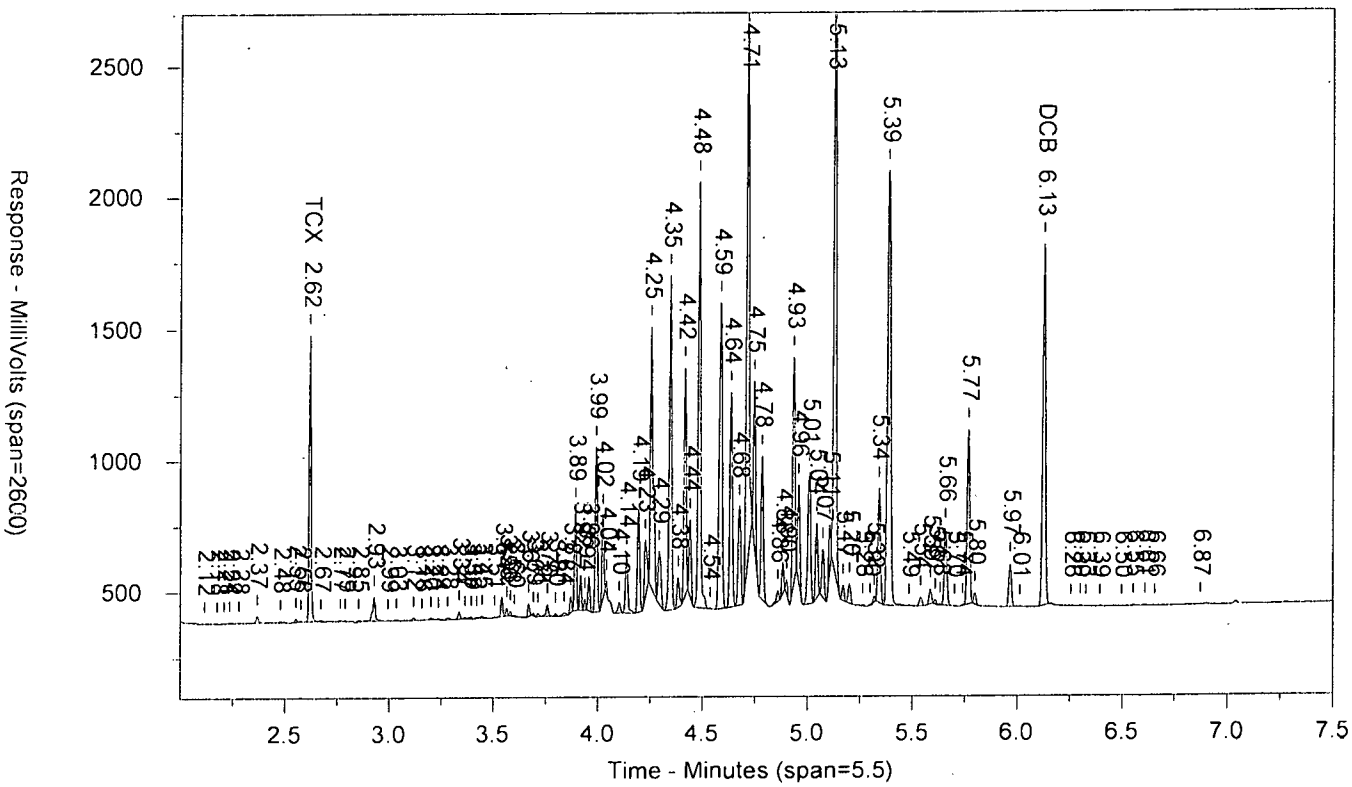

LANCASTER LABORATORIES

Sample Number: 9004806ACF DF5 ACA5307 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 6:29:34 PM Sample Weight: 10.08
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	784106	27.826	TCX	2.619	1088528	28.354	TCX
6.63	587528	29.236	DCB	6.125	1375111	28.936	DCB

Files:
Area File: 25pcbs17116021.023.RAW
Area File: 25pcbs17116021B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 6:38:08 PM
File Reported On: 5/26/2017 at 6:38:19 PM

9004806ACF DF5 ACA5307 T 171450004A 10225 SW-846 8082

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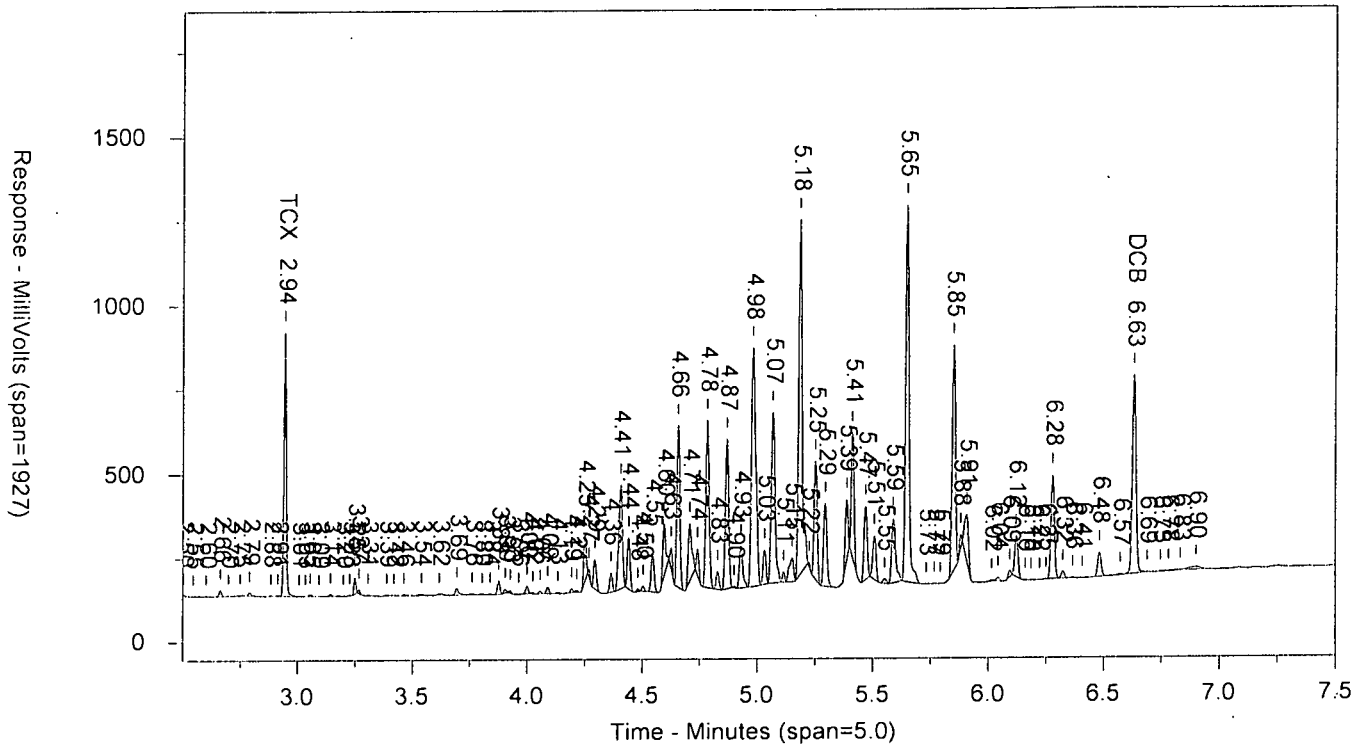

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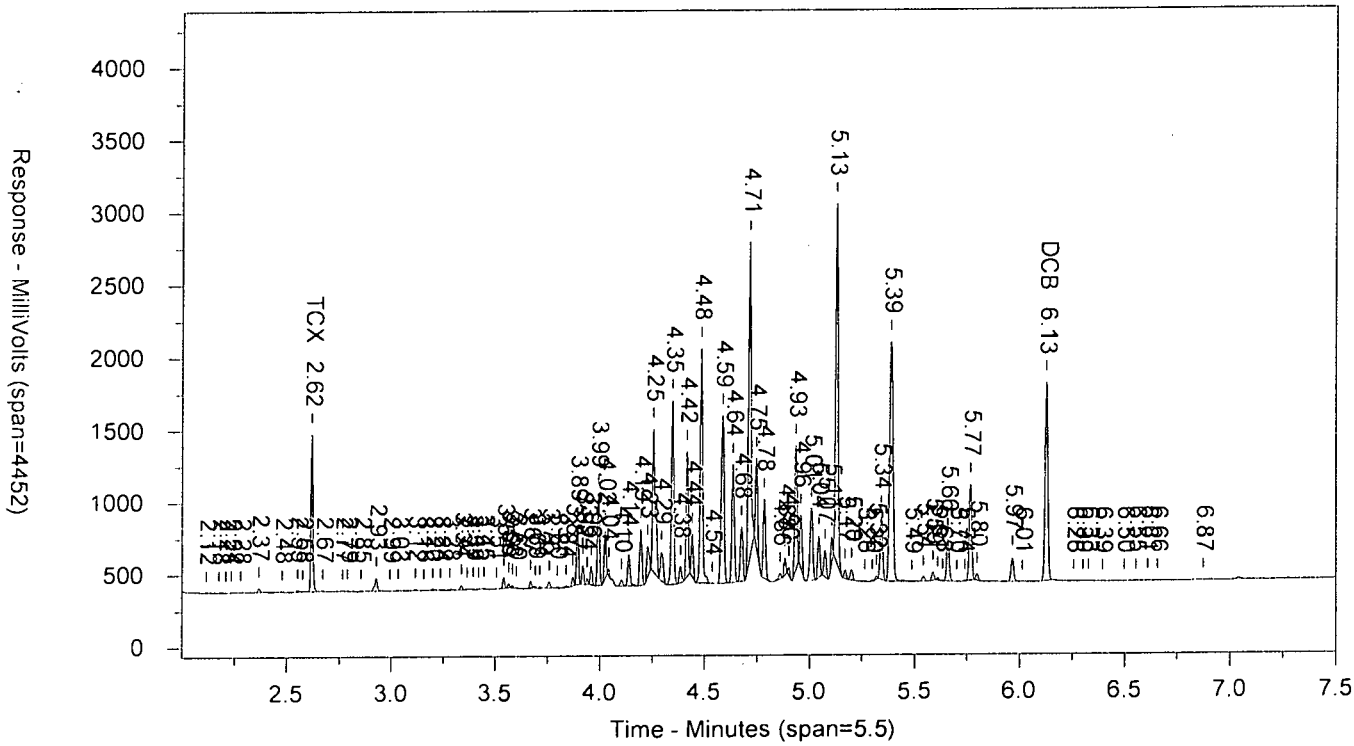

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9004807 RI ACF A5308 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.02 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 31, 2017 00:48:29
Instrument	17342A
Result file	20PCBS17137012.034.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 105% (61 - 152) Conc: 30.70001
%SSR(DCB) 89% (48 - 164) Conc: 26.09722

Analysis Report (B)

Injected on	May 31, 2017 00:48:29
Instrument	17342B
Result file	20PCBS17137012B.034.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 28.22808
%SSR(DCB) 69% (48 - 164) Conc: 20.06081

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3495742	30.70001
Decachlorobiphenyl	6.58	6.61	6.64	1799508	26.09722

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	19553350	28.22808
Decachlorobiphenyl	6.08	6.11	6.14	9792741	20.06081

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	30.70001				8.39	
☑ Decachlorobiphenyl	A	26.09722				26.16	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.73**	
4.73	4.75	4.77	1195639	284.72371			1
5.20	5.23	5.24	790305.8	290.89187			3
5.37	5.39	5.41	699641.9	225.697188			4
5.61	5.63	5.65	2944983	391.906677			5
5.82	5.84	5.86	1636434	387.655128			6

Height summation: **7267003.7**
Concentration CF: **316.174915** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.35**	
4.31	4.33	4.35	8055650	284.750552			1
4.44	4.46	4.48	10976590	329.018613			2
4.55	4.57	4.59	6813707	253.848215			3
4.90	4.92	4.94	4920480	238.481214			4
5.09	5.11	5.13	15326740	327.331388			5
5.35	5.37	5.39	9905505	316.239739			6

Height summation: **55998672**
Concentration CF: **291.61162** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<50.8982	<9.8802			4	
☑ PCB-1221			<50.8982	<15.2695			3	
☑ PCB-1232			<50.8982	<12.2754			4	
☑ PCB-1242			<50.8982	<12.2754			4	
☑ PCB-1248			<50.8982	<9.8802			4	
☑ PCB-1254			<50.8982	<13.1737			4	
☑ PCB-1260	A	316.174915	50.8982	11.6766		8.08	4	

Units: ug/kg

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

Reviewed by: Kirby E. Turner, Associate Chemist
Date: MAY 31 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 31 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004807** RI ACF A5308 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.02 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:48:29
Instrument : CP20--17342A
Result file : 20PCBS17137012.034.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 105% (61-152) Conc.: 30.70001
%SSR(DCB) : 89% (48-164) Conc.: 26.09722

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	121.03	
3.16	3.18	3.20	2141.132	1.041418			1
3.37	3.40	3.41	5796.683	2.761126			2
+ 3.37	3.41	3.41	2328.481	1.109122			2
3.49	3.51	3.53	10309.61	4.361874			3
3.71	3.73	3.75	57480.91	21.950369			4
3.76	3.79	3.80	8472.043	3.955429			5
3.96	3.98	4.00	61481.39	35.799014			6
Height Summation:			**145681.768**				
Amount Avg CF:			**11.644872**	Linear:			
Aroclor-1221					3	76.43	
3.06	3.09	3.10	9470.599	9.61595			1
3.11	3.12	3.15	7210.519	8.468571			2
3.16	3.18	3.20	2141.132	0.778412			3
Height Summation:			**18822.25**				
Amount Avg CF:			**6.287644**	Linear:			
Aroclor-1232					6	126.63	
3.16	3.18	3.20	2141.132	0.867785			1
3.38	3.40	3.42	5796.683	5.83855			2
+ 3.38	3.41	3.42	2328.481	2.345299			2
3.49	3.51	3.53	10309.61	9.46376			3
3.71	3.73	3.75	57480.91	48.640269			4
3.77	3.79	3.81	8472.043	9.144331			5
3.96	3.98	4.00	61481.39	85.845653			6
Height Summation:			**145681.768**				
Amount Avg CF:			**26.633391**	Linear:			
Aroclor-1242					6	121.69	
3.16	3.18	3.20	2141.132	1.215644			1
3.38	3.40	3.42	5796.683	3.332851			2
+ 3.38	3.41	3.42	2328.481	1.338779			2
3.49	3.51	3.53	10309.61	5.413357			3
3.71	3.73	3.75	57480.91	26.829694			4
3.77	3.79	3.81	8472.043	5.050645			5
3.96	3.98	4.00	61481.39	44.835133			6
Height Summation:			**145681.768**				
Amount Avg CF:			**14.44622**	Linear:			
Aroclor-1248					6	163.30	
3.76	3.79	3.80	8472.043	7.285297			1
3.83	3.85	3.87	114272.8	54.033861			2
3.96	3.98	4.00	61481.39	24.685202			3
4.05	4.07	4.09	58386.84	28.200295			4
4.23	4.23	4.27	387948.9	158.174584			5
+ 4.23	4.25	4.27	102275.2	41.69966			5
4.61	4.63	4.65	1197046	665.789148			6
Height Summation:			**1827607.973**				
Amount Avg CF:			**156.361398**	Linear:			
Aroclor-1254					6	74.21	
4.21	4.23	4.25	387948.9	134.15594			1
4.55	4.57	4.59	416305.2	143.249533			2
4.61	4.63	4.65	1197046	203.942251			3
4.73	4.75	4.77	1195639	678.653535			4
4.83	4.85	4.87	929794.9	239.710363			5
5.14	5.16	5.18	2601856	653.003655			6
Height Summation:			**6728590**				
Amount Avg CF:			**342.119213**	Linear:			

Analysis Report (B)

Injected on : May 31, 2017 00:48:29
Instrument : CP20--17342B
Result file : 20PCBS17137012B.034.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 97% (61-152) Conc.: 28.22808
%SSR(DCB) : 69% (48-164) Conc.: 20.06081

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	72.29	
2.88	2.91	2.92	484142.1	42.730091			1
3.21	3.22	3.25	56263.6	3.99594			2
+ 3.21	3.24	3.25	24991.67	1.774952			2
+ 3.40	3.40	3.44	235135.4	16.619451			3
3.40	3.43	3.44	289455.9	20.458842			3
3.47	3.49	3.51	60648.26	3.624774			4
3.63	3.63	3.67	391686.7	27.862918			5
+ 3.63	3.65	3.67	304026.2	21.627124			5
+ 3.72	3.72	3.76	70954.97	5.890357			6
3.72	3.74	3.76	326060.9	27.068086			6
Height Summation:			**1608257.46**				
Amount Avg CF:			**20.956775**	Linear:			
Aroclor-1221					3	92.41	
2.77	2.78	2.81	50776.18	8.491737			1
2.83	2.83	2.87	21744.38	5.89916			2
+ 2.83	2.86	2.87	8766.514	2.378319			2
2.88	2.91	2.92	484142.1	31.66224			3
Height Summation:			**556662.66**				
Amount Avg CF:			**15.351045**	Linear:			
Aroclor-1232					6	72.17	
+ 2.88	2.88	2.92	7724.53	0.558039			1
2.88	2.91	2.92	484142.1	34.975615			1
3.21	3.22	3.25	56263.6	8.410056			2
+ 3.21	3.24	3.25	24991.67	3.735654			2
+ 3.40	3.40	3.44	235135.4	39.285472			3
3.40	3.43	3.44	289455.9	48.361121			3
3.47	3.49	3.51	60648.26	8.247653			4
+ 3.66	3.68	3.70	96423.55	48.015253			5
3.66	3.70	3.70	162965.2	81.150458			5
3.73	3.74	3.77	326060.9	61.930125			6
Height Summation:			**1379535.96**				
Amount Avg CF:			**40.512505**	Linear:			
Aroclor-1242					6	71.34	
+ 2.88	2.88	2.92	7724.53	0.792902			1
2.88	2.91	2.92	484142.1	49.695839			1
3.21	3.22	3.25	56263.6	4.835835			2
+ 3.21	3.24	3.25	24991.67	2.148024			2
+ 3.40	3.40	3.44	235135.4	20.551338			3
3.40	3.43	3.44	289455.9	25.299066			3
3.47	3.49	3.51	60648.26	4.63797			4
3.64	3.65	3.68	304026.2	28.238243			5
3.73	3.74	3.77	326060.9	33.810403			6
Height Summation:			**1520596.96**				
Amount Avg CF:			**24.419559**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004807** RI ACF A5308 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.02 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:48:29
Instrument : CP20--17342A
Result file : 20PCBS17137012.034.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	33.29	
4.73	4.75	4.77	1195639	284.72371			1
5.03	5.05	5.07	1301662	560.994748			2
5.20	5.23	5.24	790305.8	290.89187			3
+ 5.37	5.37	5.41	63347.79	20.435337			4
5.37	5.39	5.41	699641.9	225.697188			4
5.61	5.63	5.65	2944983	391.906677			5
5.82	5.84	5.86	1636434	387.655128			6
Height Summation:			**8568665.7**				
Amount Avg CF:			**356.97822**	Linear:			
Aroclor-1262					6	49.87	
5.21	5.23	5.24	790305.8	157.992414			1
+ 5.37	5.37	5.41	63347.79	15.676095			2
5.37	5.39	5.41	699641.9	173.133946			2
E 5.61	5.63	5.65	2944983	301.520262			3
E 5.81	5.84	5.85	1636434	303.168754			4
5.87	5.88	5.91	120587.4	45.096804			5
+ 5.87	5.89	5.91	86931.16	32.510175			5
6.25	6.27	6.29	619375.4	190.39475			6
Height Summation:			**6811327.5**				
Amount Avg CF:			**195.217822**	Linear:			
Aroclor-1268					6	123.49	
5.81	5.84	5.85	1636434	136.336799			1
5.87	5.88	5.91	120587.4	11.514469			2
+ 5.87	5.89	5.91	86931.16	8.300752			2
6.00	6.02	6.04	45376.81	4.646701			3
6.07	6.09	6.11	59328.22	26.499808			4
6.25	6.27	6.29	619375.4	153.554628			5
6.45	6.47	6.49	148278.6	4.697453			6
Height Summation:			**2629380.43**				
Amount Avg CF:			**56.20831**	Linear:			

Analysis Report (B)

Injected on : May 31, 2017 00:48:29
Instrument : CP20--17342B
Result file : 20PCBS17137012B.034.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	142.55	
+ 3.40	3.40	3.44	235135.4	42.138514			1
3.40	3.43	3.44	289455.9	51.873268			1
3.51	3.53	3.55	695383	44.184792			2
3.63	3.63	3.67	391686.7	19.920386			3
+ 3.63	3.65	3.67	304026.2	15.462152			3
+ 3.72	3.72	3.76	70954.97	4.997647			4
3.72	3.74	3.76	326060.9	22.965794			4
3.86	3.87	3.90	3265266	121.422907			5
4.22	4.24	4.26	5513572	463.720677			6
+ 4.22	4.25	4.26	2282472	191.968013			6
Height Summation:			**10481424.5**				
Amount Avg CF:			**120.681304**	Linear:			
Aroclor-1254					6	77.35	
4.16	4.17	4.19	2683354	128.09887			1
4.22	4.24	4.26	5513572	148.340823			2
+ 4.22	4.25	4.26	2282472	61.409151			2
4.31	4.33	4.35	8055650	465.908475			3
4.38	4.40	4.42	4528394	181.238808			4
4.44	4.46	4.48	10976590	762.871013			5
4.60	4.62	4.64	4243009	242.055265			6
Height Summation:			**36000569**				
Amount Avg CF:			**321.418876**	Linear:			
Aroclor-1260					6	13.35	
4.31	4.33	4.35	8055650	284.750552			1
4.44	4.46	4.48	10976590	329.018613			2
4.55	4.57	4.59	6813707	253.848215			3
4.90	4.92	4.94	4920480	238.481214			4
5.09	5.11	5.13	15326740	327.331388			5
5.35	5.37	5.39	9905505	316.239739			6
Height Summation:			**55998672**				
Amount Avg CF:			**291.61162**	Linear:			
Aroclor-1262					6	39.31	
4.71	4.73	4.75	3603579	110.95687			1
4.90	4.92	4.94	4920480	152.305223			2
E 5.09	5.11	5.13	15326740	249.416665			3
5.31	5.33	5.35	2304228	90.492244			4
E 5.35	5.37	5.39	9905505	241.681817			5
5.73	5.75	5.77	3533480	159.30127			6
Height Summation:			**39594012**				
Amount Avg CF:			**167.359015**	Linear:			
Aroclor-1268					6	120.30	
5.31	5.33	5.35	2304228	27.785548			1
5.35	5.37	5.39	9905505	117.975815			2
5.51	5.52	5.55	221359.7	3.06877			3
5.57	5.59	5.61	178304.3	10.223836			4
5.73	5.75	5.77	3533480	125.025154			5
5.93	5.95	5.97	795374.2	3.702941			6
Height Summation:			**16938251.2**				
Amount Avg CF:			**47.963677**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.8982	9.8802		** 57.13	4	40	
Aroclor-1221			50.8982	15.2695		** 83.77	3	5	
Aroclor-1232			50.8982	12.2754		** 41.34	4	10	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004807** RI ACF A5308 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.02 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 31, 2017 00:48:29
Instrument : CP20--17342A
Result file : 20PCBS17137012.034.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 31, 2017 00:48:29
Instrument : CP20--17342B
Result file : 20PCBS17137012B.034.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1242			50.8982	12.2754		** 51.32	4	30	
Aroclor-1248			50.8982	9.8802		25.76	4	40	
Aroclor-1254			50.8982	13.1737		6.24	4	40	
Aroclor-1260			50.8982	11.6766		20.16	4	40	
Aroclor-1262			50.8982	9.8802	E	15.37	4	40	
Aroclor-1268			50.8982	9.8802		15.83	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004807 RI ACF ABA5308 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:48:29 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137012.034.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		6707	7986
2.101		14274	15990
2.13		42473	26472
2.197		76569	50770
2.217		7216	3567
2.283		3528	2178
2.31		16770	10507
2.329		4168	2266
2.385		4869	6496
2.419		1278	1652
2.558		2281	3258
2.626		13445	7470
2.647		53653	33795
2.731		1927	1668
2.782		1288	668
2.797		2648	1366
2.826		4270	3338
2.882		1190	1258
2.924	TCX	3495742	2263429
2.978		1238	3504
3.037		8465	5098
3.085		9471	9281
3.124		7211	5997
3.181		2141	1537
3.229		68796	35990
3.243		110009	58947
3.351		2092	2545
3.396		5797	4800
3.413		2328	1555
3.466		1070	922
3.483		1746	1321
3.513		10310	7225
3.555		1398	1450
3.585		10603	8327
3.625		1727	1370
3.653		3821	3915
3.698		36215	36055
3.734		57481	46193
3.786		8472	7100
3.819		4386	4567
3.854		114273	82872
3.881		63418	42231
3.903		106976	71755
3.978		61481	43676
4.002		12032	7411
4.032		23905	16678
4.068		58387	55787
4.11		26828	18765
4.135		59046	48158
4.189		17416	13286
4.226		387949	284212
4.247		102275	58087
4.27		220373	169673
4.338		149115	126949

RT A	Compound A	Height A	Area A
4.379		802649	792258
4.414		336778	267373
4.454		32587	23819
4.478		41395	30023
4.52		278322	260018
4.572		416305	397249
4.602		154244	98782
4.634		1197046	1029766
4.679		413533	486053
4.718		220405	161982
4.755		1195639	1147911
4.806		78995	56730
4.847		929795	1138529
4.875		18181	9497
4.905		611609	631000
4.955		1890794	2319603
5.005		216145	190144
5.048		1301662	1331009
5.091		85611	64228
5.127		184587	230824
5.163		2601856	2367143
5.186		74607	42000
5.226		790306	690330
5.269		590709	569326
5.312		2975	2674
5.375		63348	63525
5.391		699642	576010
5.449		477335	460731
5.489		290697	265104
5.53		52760	52088
5.574		480924	432963
5.6		33618	19612
5.63		2944983	2716060
5.666		32013	22611
5.718		6343	6447
5.753		2172	1495
5.837		1636434	1631027
5.877		120587	149662
5.889		86931	61156
5.939		12368	13884
6.022		45377	55844
6.085		59328	44065
6.108		244476	216047
6.234		1172	1009
6.266		619375	643533
6.311		45313	43793
6.466		148279	163346
6.611	DCB	1799508	1977257
6.689		4345	4530
6.786		1199	1804
6.888		1141	1173
6.926		1053	1347
6.945		733	564
7.082		2345	5270
7.168		1225	2372
7.224		289301	445684
7.521		853	9133
7.634		855	621
7.778		2394	3563
7.934		2642	5702
8.027		50396	82512
8.224		786	1540
8.492		964	2759
8.62		746	2952

LANCASTER LABORATORIES

Sample Number: 9004807 RI ACF ABA5308 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:48:29 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137012B.034.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		21874	12570
2.053		36175	31597
2.112		42052	47658
2.157		15560	13220
2.21		5312	3954
2.236		21864	27420
2.281		8869	9300
2.31		23356	10990
2.32		25493	9763
2.364		302728	203373
2.395		15665	10093
2.433		9815	6581
2.461		3109	1281
2.477		22854	11919
2.493		19547	9667
2.519		6912	2785
2.535		6544	5444
2.566		5198	3256
2.593		3756	2722
2.615	TCX	19553350	11105090
2.674		7255	3812
2.706		30658	15561
2.731		27502	26606
2.752		13729	7378
2.784		50776	27953
2.812		15720	16263
2.834		21744	10762
2.861		8767	8415
2.878		7725	4333
2.911		484142	223669
2.921		320336	130094
2.949		21429	15636
2.974		4636	2377
3.034		20950	13185
3.058		4828	2366
3.089		5700	3614
3.105		34049	36807
3.149		12900	12113
3.179		12803	7821
3.202		69580	53263
3.225		56264	31378
3.243		24992	11449
3.263		38247	28956
3.311		13371	8145
3.353		6973	3699
3.383		107015	82034
3.404		235135	149965
3.433		289456	168132
3.491		60648	76075
3.526		695383	419690
3.549		427400	233117
3.567		710954	397482
3.635		391687	228268
3.652		304026	165089

RT B	Compound B	Height B	Area B
3.675		96424	51331
3.696		162965	125618
3.725		70955	34460
3.741		326061	198034
3.78		117650	90666
3.823		89986	79277
3.852		291187	171616
3.875		3265266	2049651
3.899		849392	495693
3.919		431411	232737
3.938		753547	463491
3.973		4438788	2976666
4.005		2005333	1310607
4.022		417958	194703
4.042		95134	69205
4.084		248061	184414
4.118		1375848	1021840
4.139		62666	63597
4.174		2683354	1944190
4.208		1186073	968894
4.236		5513572	3312426
4.25		2282472	1176030
4.274		996239	895083
4.327		8055651	6228822
4.363		620812	497514
4.396		4528395	3215527
4.421		1814009	1224885
4.463		10976590	8479715
4.518		41303	30370
4.567		6813707	6621380
4.615		4243009	3507268
4.657		2226074	1910745
4.694		13698300	11154280
4.726		3603579	2314167
4.765		3184890	2351265
4.837		360596	330983
4.865		592691	377803
4.88		312309	184356
4.915		4920480	3697019
4.939		2197811	1493036
4.989		2757182	2421208
5.025		1510072	1234575
5.055		1104924	862415
5.087		930442	593436
5.11		15326740	12143850
5.151		290622	209774
5.182		413010	341179
5.224		5679	3738
5.246		16009	10254
5.301		113787	75877
5.326		2304228	1835190
5.369		9905505	10223080
5.469		7828	8165
5.524		221360	194526
5.57		320234	244262
5.594		178304	126838
5.642		1510509	1261071
5.683		5918	5771
5.749		3533480	2905374
5.781		216458	165410
5.854		30096	29980
5.949		795374	678758
6.107	DCB	9792741	8939329
6.284		19964	15829
6.31		117421	93456
6.382		4636	5283

RT B	Compound B	Height B	Area B
6.409		14748	17892
6.448		6505	5662
6.531		2710286	2714856
6.581		5110	5683
6.657		2214	4051
6.713		4835	7977
6.798		2178	3876
6.832		3823	3828
6.907		5325	15445
6.953		1693	1253
6.976		1344	896
7.014		12229	13567
7.042		1813	961
7.06		2039	1628
7.122		3173	2578
7.202		2262	5217
7.228		2080	1329
7.303		3131	5481
7.369		1839	1741
7.437		2008	3519
7.465		13754	17137
7.555		271301	340781
7.61		7142	10185
7.72		2010	3093
7.759		2100	1666
7.868		2606	7097
7.917		1085	1541
7.985		6612	13555
8.047		3744	3492
8.112		8410	14677
8.212		19651	33471
8.432		13573	24786
8.585		1999	3034
8.623		3983	5380

9004807 RI ACF ABA5308 T 171450004A 10225 SW-846 8082

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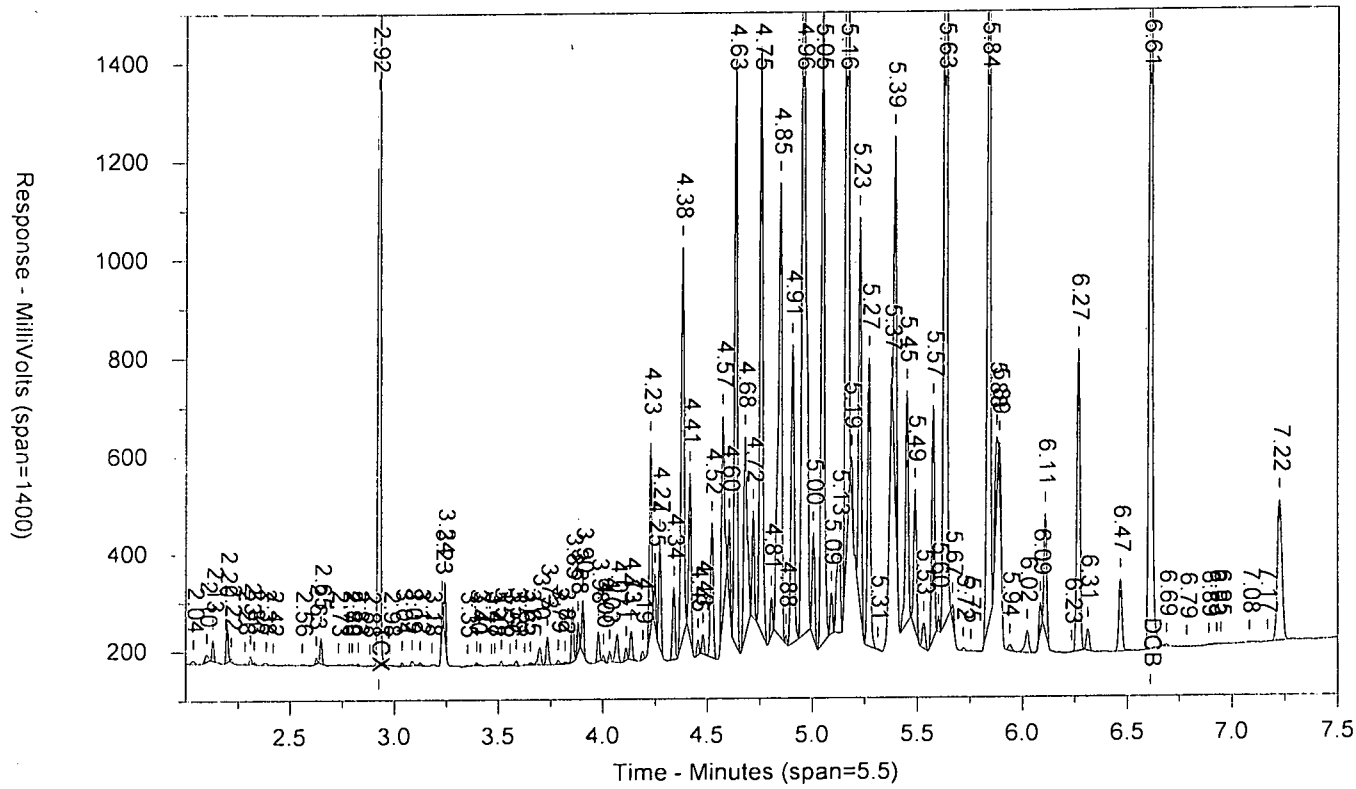

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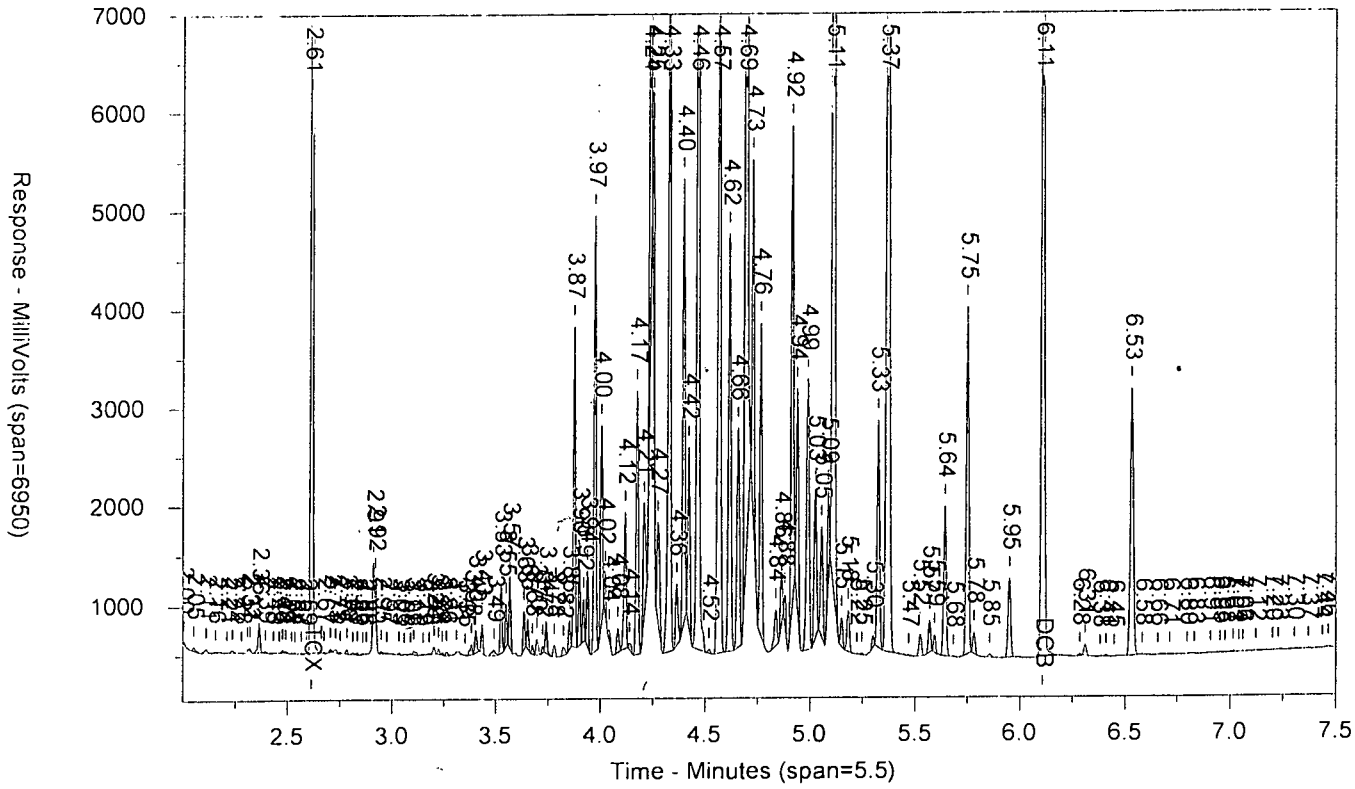

LANCASTER LABORATORIES

Sample Number: 9004807 RI ACF ABA5308 T 171450004A 10225 SW-846 8082
Injected On: 5/31/2017 12:48:29 AM Sample Weight: 10.02
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3495742	30.7	TCX	2.615	19553350	28.228	TCX
6.611	1799508	26.097	DCB	6.107	9792741	20.061	DCB

Files:
Area File: 20pcbs17137012.034.RAW
Area File: 20pcbs17137012B.034.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/31/2017 12:57:12 AM
File Reported On: 5/31/2017 at 12:57:20 AM

9004807 RI ACF ABA5308 T 171450004A 10225 SW-846 8082

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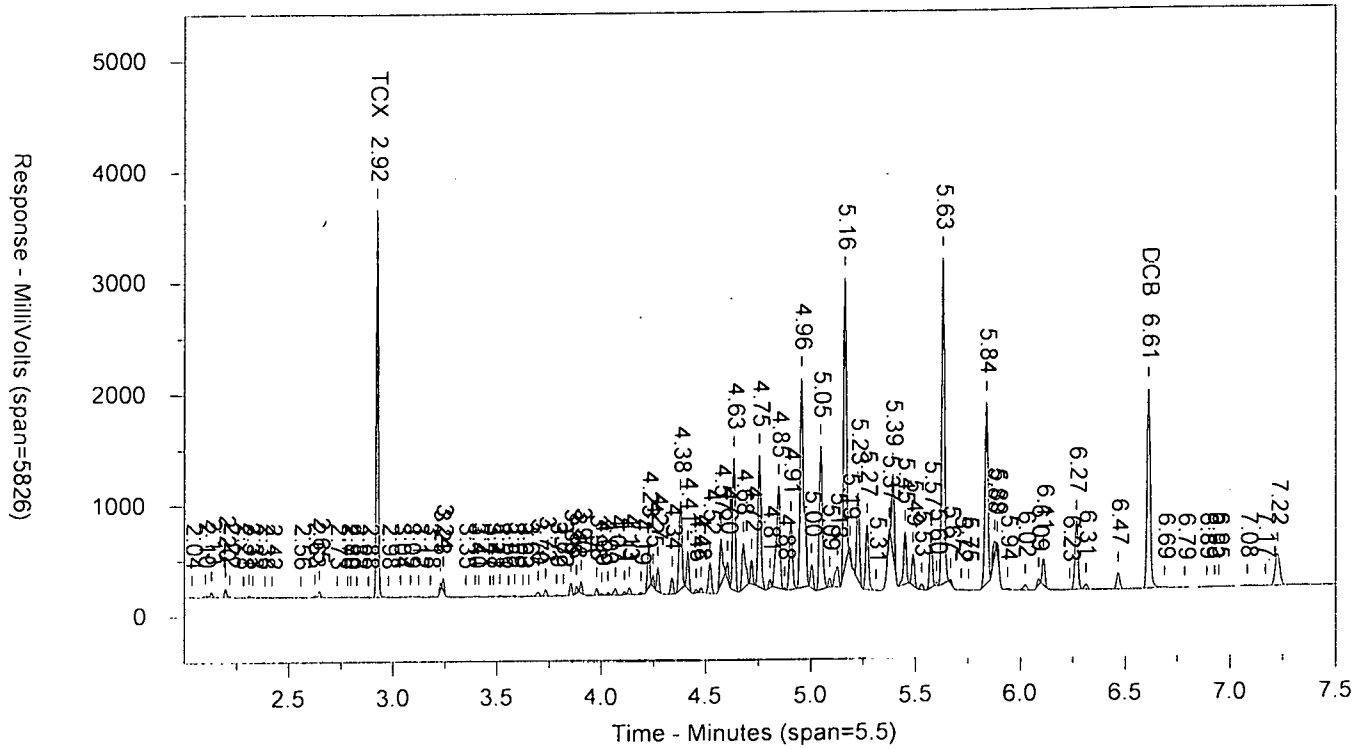

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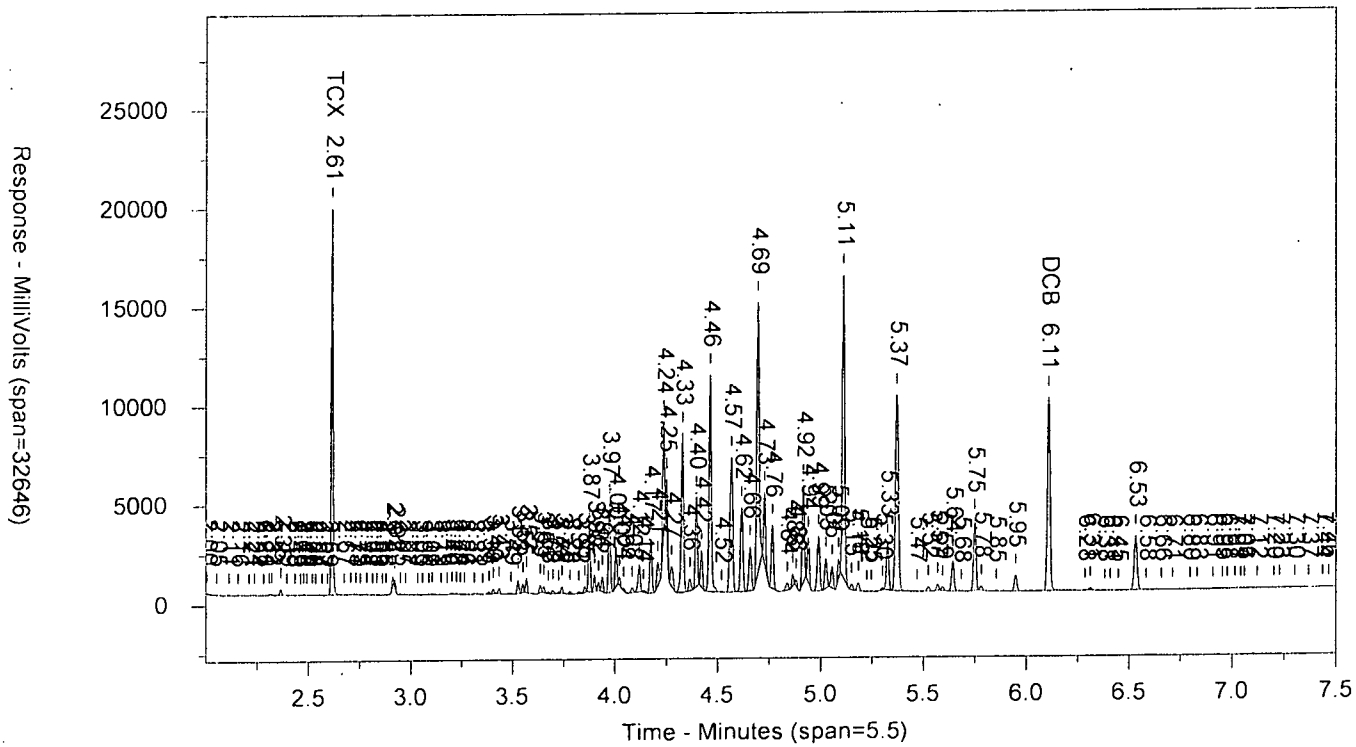

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Data Summary

Sample Name: 9004808 ACF DF5 A5309 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.41 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 19:03:40
Instrument	18274A
Result file	25PCBS17116021.026.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 91% (61 - 152) Conc: 25.56383
%SSR(DCB) 102% (48 - 164) Conc: 28.65127

Analysis Report (B)

Injected on	May 26, 2017 19:03:40
Instrument	18274B
Result file	25PCBS17116021B.026.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 91% (61 - 152) Conc: 25.67734
%SSR(DCB) 101% (48 - 164) Conc: 28.51982

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	743931	25.56383
Decachlorobiphenyl	6.61	6.63	6.67	594631	28.65127

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1018031	25.67734
Decachlorobiphenyl	6.10	6.12	6.16	1399728	28.51982

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	25.67734				0.44	
☑ Decachlorobiphenyl	A	28.65127				0.46	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.43**	
4.76	4.78	4.80	2946066	2925.379993			1
5.23	5.25	5.27	1968554	2873.982424			3
5.40	5.41	5.44	2223556	2979.095207			4
5.63	5.65	5.67	7552262	3731.97577			5
5.83	5.85	5.87	4392802	3554.044547			6

Height summation: **19083240**
Concentration CF: **3212.895588** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.35**	
4.33	4.35	4.37	7941596	3632.439846			1
4.47	4.48	4.51	10518000	4199.852238			2
4.57	4.59	4.61	7373629	3429.856227			3
4.92	4.93	4.96	5808364	3372.055632			4
5.11	5.13	5.15	17984170	4233.742783			5
5.37	5.39	5.41	11069340	4344.444934			6

Height summation: **60695099**
Concentration CF: **3868.731943** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<244.9568	<47.5504			4	
☑ PCB-1221			<244.9568	<73.487			3	
☑ PCB-1232			<244.9568	<59.0778			4	
☑ PCB-1242			<244.9568	<59.0778			4	
☑ PCB-1248			<244.9568	<47.5504			4	
☑ PCB-1254			<244.9568	<63.4006			4	
☑ PCB-1260	B	3868.731943	244.9568	56.196		18.52	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004808** ACF DF5 A5309 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.41 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 19:03:40
Instrument : CP25--18274A
Result file : 25PCBS17116021.026.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 91% (61-152) Conc.: 25.56383
%SSR(DCB) : 102% (48-164) Conc.: 28.65127

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**178.76**	
3.18	3.20	3.22	7488.85	15.444852			1
3.40	3.40	3.44	6294.663	13.67766			2
3.51	3.53	3.55	5774.734	9.904838			3
3.73	3.75	3.77	10403.21	14.686098			4
3.79	3.80	3.83	12025.63	19.005732			5
3.98	4.00	4.02	111538.5	249.790135			6
Height Summation:			**153525.587**				
Amount Avg CF:			**53.751553**	Linear:			
Aroclor-1221					**3**	**63.30**	
3.07	3.09	3.11	938.743	3.974575			1
3.13	3.14	3.17	3905.398	18.012809			2
3.18	3.20	3.22	7488.85	11.285752			3
Height Summation:			**12332.991**				
Amount Avg CF:			**11.091045**	Linear:			
Aroclor-1232					**5**	**181.61**	
3.18	3.20	3.22	7488.85	12.630222			1
3.52	3.53	3.56	5774.734	19.959094			3
3.74	3.75	3.78	10403.21	29.319758			4
3.79	3.80	3.83	12025.63	40.735254			5
3.99	4.00	4.03	111538.5	577.90058			6
+ 3.99	4.02	4.03	14354.65	74.373966			6
Height Summation:			**147230.924**				
Amount Avg CF:			**136.108982**	Linear:			
Aroclor-1242					**6**	**178.45**	
3.18	3.20	3.22	7488.85	18.199757			1
3.40	3.40	3.44	6294.663	16.490797			2
3.51	3.53	3.55	5774.734	11.863022			3
3.73	3.75	3.77	10403.21	17.634637			4
3.79	3.80	3.83	12025.63	23.773098			5
3.98	4.00	4.02	111538.5	300.285897			6
Height Summation:			**153525.587**				
Amount Avg CF:			**64.707868**	Linear:			
Aroclor-1248					**6**	**206.40**	
3.79	3.80	3.83	12025.63	33.143637			1
3.86	3.88	3.90	217495.5	381.738865			2
3.98	4.00	4.02	111538.5	169.286185			3
4.07	4.09	4.11	117577	207.376			4
4.25	4.27	4.29	112204.3	198.86284			5
E 4.64	4.66	4.68	3007178	6524.27996			6
Height Summation:			**3578018.93**				
Amount Avg CF:			**1252.447915**	Linear:			
Aroclor-1254					**6**	**67.80**	
4.24	4.25	4.28	751285.9	1238.065768			1
+ 4.24	4.27	4.28	112204.3	184.904712			1
4.58	4.59	4.62	932166.2	1294.203696			2
4.64	4.66	4.68	3007178	2159.265196			3
E 4.77	4.78	4.81	2946066	6546.189484			4
4.86	4.87	4.89	2712099	2647.64923			5
5.05	5.07	5.09	3302662	4334.952103			6
Height Summation:			**13651457.1**				
Amount Avg CF:			**3036.720913**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 19:03:40
Instrument : CP25--18274B
Result file : 25PCBS17116021B.026.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 91% (61-152) Conc.: 25.67734
%SSR(DCB) : 101% (48-164) Conc.: 28.51982

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**118.19**	
3.22	3.24	3.26	11610.45	12.788594			2
3.41	3.42	3.45	13390.53	13.047848			3
+ 3.41	3.44	3.45	5263.102	5.128412			3
3.49	3.51	3.53	21039.07	19.705455			4
3.65	3.67	3.69	218055.8	252.002967			5
+ 3.65	3.69	3.69	38954.17	45.018598			5
3.74	3.76	3.78	202515.1	256.150561			6
Height Summation:			**466610.95**				
Amount Avg CF:			**110.739085**	Linear:			
Aroclor-1221					**2**	**91.66**	
2.77	2.79	2.81	22988.49	64.981743			1
2.84	2.85	2.88	3030.865	13.873626			2
Height Summation:			**26019.355**				
Amount Avg CF:			**39.427685**	Linear:			
Aroclor-1232					**5**	**118.77**	
3.22	3.24	3.26	11610.45	27.100838			2
3.41	3.42	3.45	13390.53	29.077402			3
+ 3.41	3.44	3.45	5263.102	11.428773			3
3.49	3.51	3.53	21039.07	44.238252			4
3.65	3.67	3.69	218055.8	595.3601			5
+ 3.65	3.69	3.69	38954.17	106.35699			5
3.75	3.76	3.79	202515.1	553.962082			6
Height Summation:			**466610.95**				
Amount Avg CF:			**249.947735**	Linear:			
Aroclor-1242					**5**	**117.44**	
3.22	3.24	3.26	11610.45	16.013985			2
3.41	3.42	3.45	13390.53	16.245447			3
+ 3.41	3.44	3.45	5263.102	6.385217			3
3.49	3.51	3.53	21039.07	25.017231			4
3.65	3.67	3.69	218055.8	310.12383			5
+ 3.74	3.74	3.78	10379.29	15.437187			6
3.74	3.76	3.78	202515.1	301.202049			6
Height Summation:			**466610.95**				
Amount Avg CF:			**133.720508**	Linear:			
Aroclor-1248					**6**	**182.18**	
3.41	3.42	3.45	13390.53	32.623918			1
+ 3.41	3.44	3.45	5263.102	12.822719			1
3.52	3.54	3.56	407940.2	389.038929			2
+ 3.52	3.56	3.56	128573.9	122.616629			2
3.65	3.67	3.69	218055.8	173.876622			3
+ 3.65	3.69	3.69	38954.17	31.061863			3
3.74	3.76	3.78	202515.1	211.435139			4
3.88	3.89	3.92	2304223	1196.287975			5
E 4.24	4.25	4.28	6459050	7079.350247			6
Height Summation:			**9605174.63**				
Amount Avg CF:			**1513.768805**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004808** ACF DF5 A5309 Sample ID: AD **Batchnumber: 171450004A**
Sample Amount: 10.41 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 19:03:40
Instrument : CP25--18274A
Result file : 25PCBS17116021.026.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	29.30	
4.76	4.78	4.80	2946066	2925.379993			1
E 5.05	5.07	5.09	3302662	5660.125542			2
5.23	5.25	5.27	1968554	2873.982424			3
5.40	5.41	5.44	2223556	2979.095207			4
5.63	5.65	5.67	7552262	3731.97577			5
5.83	5.85	5.87	4392802	3554.044547			6
Height Summation:			**22385902**				
Amount Avg CF:			**3620.767247**	Linear:			
Aroclor-1262					6	32.47	
E 5.23	5.25	5.27	1968554	1610.472629			1
E 5.40	5.41	5.44	2223556	2112.624087			2
E 5.63	5.65	5.67	7552262	2783.311314			3
E 5.83	5.85	5.87	4392802	2639.062887			4
E 5.89	5.91	5.93	823113.5	1078.792874			5
E 6.26	6.28	6.30	1720624	1746.87493			6
Height Summation:			**18680911.5**				
Amount Avg CF:			**1995.189787**	Linear:			
Aroclor-1268					6	95.88	
E 5.83	5.85	5.87	4392802	1494.569767			1
5.89	5.91	5.93	823113.5	307.769954			2
6.03	6.04	6.07	53677.62	21.610627			3
+ 6.09	6.09	6.13	106740.7	165.198037			4
E 6.09	6.12	6.13	691140.5	1069.648726			4
E 6.26	6.28	6.30	1720624	1634.324764			5
6.47	6.48	6.51	358881.6	41.512549			6
Height Summation:			**8040239.22**				
Amount Avg CF:			**761.572731**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 19:03:40
Instrument : CP25--18274B
Result file : 25PCBS17116021B.026.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	67.81	
4.18	4.19	4.22	2575208	1610.472334			1
4.24	4.25	4.28	6459050	2200.15104			2
E 4.33	4.35	4.37	7941596	5891.934055			3
4.40	4.42	4.44	5877280	2994.142368			4
+ 4.40	4.44	4.44	1676629	854.147824			4
E 4.47	4.48	4.51	10518000	9663.563951			5
4.62	4.63	4.66	5834124	4074.458209			6
Height Summation:			**39205258**				
Amount Avg CF:			**4405.786993**	Linear:			
Aroclor-1260					6	11.35	
4.33	4.35	4.37	7941596	3632.439846			1
4.47	4.48	4.51	10518000	4199.852238			2
4.57	4.59	4.61	7373629	3429.856227			3
4.92	4.93	4.96	5808364	3372.055632			4
+ 4.92	4.96	4.96	2448582	1421.528459			4
5.11	5.13	5.15	17984170	4233.742783			5
5.37	5.39	5.41	11069340	4344.444934			6
Height Summation:			**60695099**				
Amount Avg CF:			**3868.731943**	Linear:			
Aroclor-1262					6	36.82	
E 4.73	4.75	4.77	3908052	1419.516734			1
E 4.92	4.93	4.96	5808364	2133.286564			2
E 5.11	5.13	5.15	17984170	3156.4165			3
E 5.33	5.34	5.36	2595182	1211.365173			4
E 5.37	5.39	5.41	11069340	2976.464434			5
E 5.75	5.77	5.79	4274624	2001.347658			6
Height Summation:			**45639732**				
Amount Avg CF:			**2149.732844**	Linear:			
Aroclor-1268					6	127.37	
5.33	5.34	5.37	2595182	383.446302			1
E 5.37	5.39	5.41	11069340	1681.732985			2
5.53	5.54	5.57	134651.2	23.513705			3
5.59	5.61	5.63	74178.59	52.604995			4
+ 5.59	5.63	5.63	32712.8	23.198832			4
E 5.75	5.77	5.79	4274624	1792.168785			5
5.95	5.96	5.99	836137.2	41.11778			6
Height Summation:			**18984112.99**				
Amount Avg CF:			**662.430759**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			244.9568	47.5504		** 69.29	4	40	
Aroclor-1221			244.9568	73.487		** 112.18	3	5	
Aroclor-1232			244.9568	59.0778		** 58.98	4	10	
Aroclor-1242			244.9568	59.0778		** 69.56	4	30	
Aroclor-1248			244.9568	47.5504	E	18.89	4	40	
Aroclor-1254			244.9568	63.4006	E	36.79	4	40	
Aroclor-1260			244.9568	56.196	E	6.62	4	40	
Aroclor-1262			244.9568	47.5504	E	7.46	4	40	
Aroclor-1268			244.9568	47.5504	E	13.92	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004807ACF DF50 ADA5308 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 6:52:22 PM Sample Weight: 10.02
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

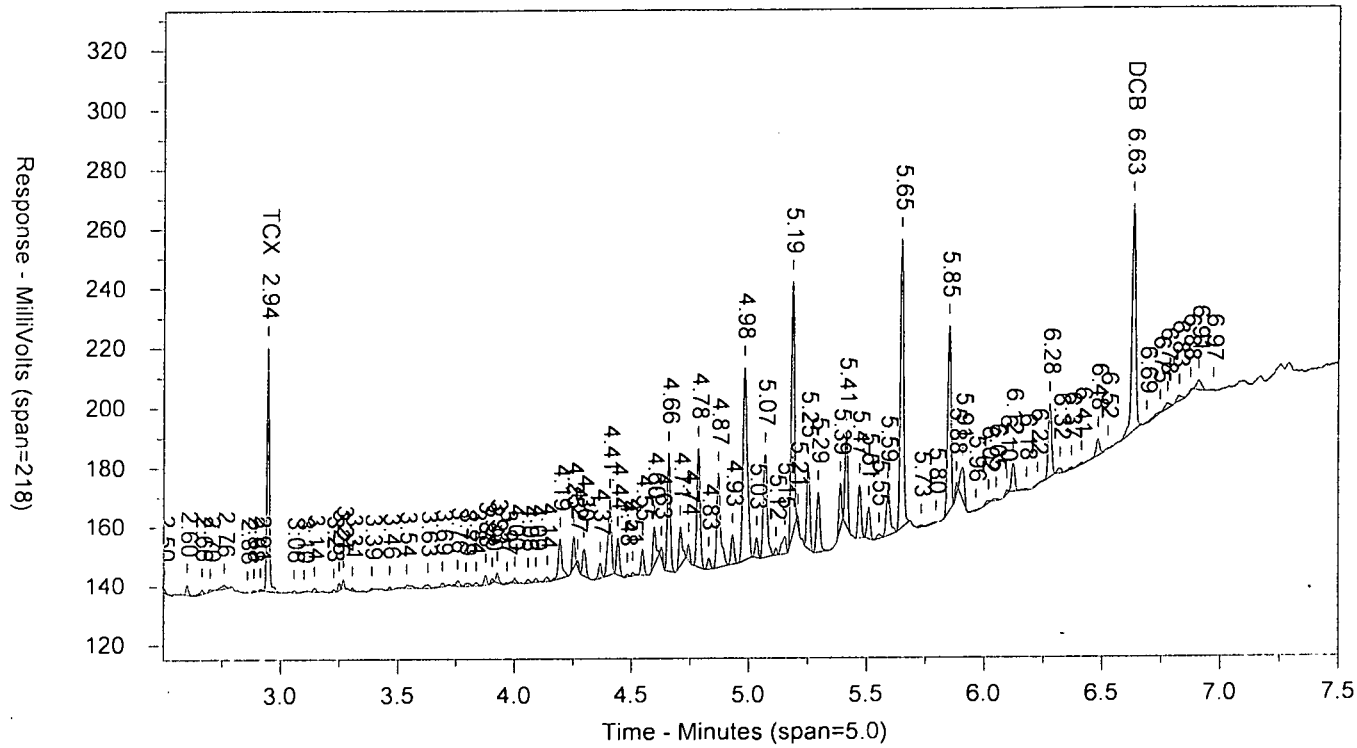
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	82132	29.322	TCX	2.619	111114	29.117	TCX
6.632	76416	38.253	DCB	6.126	170721	36.139	DCB

Files:
Area File: 25pcbs17116021.025.RAW
Area File: 25pcbs17116021B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 7:00:53 PM
File Reported On: 5/26/2017 at 7:01:03 PM

9004807ACF DF50 ADA5308 T 171450004A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116021.025.RAW



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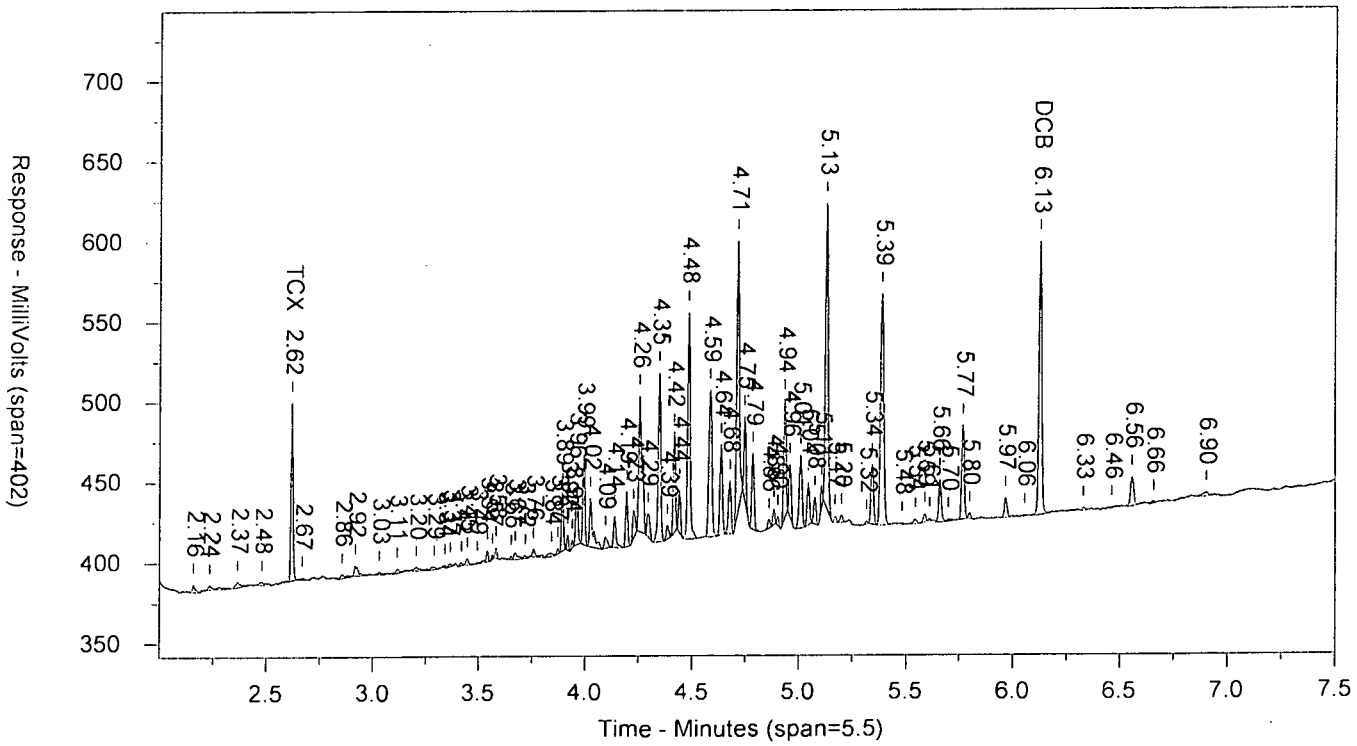

LANCASTER LABORATORIES

Sample Number: 9004808ACF DF5 ADA5309 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 7:03:40 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		982	851
2.052		22269	28038
2.087		5489	6721
2.145		9705	9004
2.212		260404	217519
2.288		1780	1650
2.339		22513	17408
2.375		1802	1260
2.395		1453	2226
2.448		919	1092
2.503		4983	5920
2.545		1563	1464
2.576		1906	1400
2.599		1688	1257
2.663		127720	104778
2.722		467	353
2.761		3395	4143
2.79		11016	9053
2.885		1074	770
2.913		2893	2259
2.944	TCX	743931	520837
3.034		345	166
3.052		15615	10411
3.092		939	1275
3.141		3905	3863
3.198		7489	6091
3.249		415892	277551
3.266		29082	11804
3.31		1163	648
3.398		6295	4664
3.463		1053	771
3.498		1413	1537
3.531		5775	4340
3.556		576	883
3.608		2911	2180
3.63		2219	2270
3.695		7250	4523
3.71		11141	9288
3.75		10403	10076
3.805		12026	10822
3.847		1761	1099
3.876		217496	167591
3.902		56071	38323
3.925		24369	15033
3.961		1130	1010
4		111539	87168
4.024		14355	8986
4.056		33974	24883
4.09		117577	101129
4.13		17329	14947
4.165		2683	2178
4.193		8816	5649
4.216		28382	20793
4.251		751286	581423

RT A	Compound A	Height A	Area A
4.269		112204	53693
4.293		425604	352523
4.365		298026	254055
4.407		1809438	1903080
4.441		807979	654793
4.481		43572	30139
4.503		91596	70487
4.545		608218	565490
4.595		932166	836287
4.626		395597	251713
4.657		3007179	2610125
4.707		942318	997810
4.741		387013	290069
4.782		2946066	2882575
4.828		291208	258760
4.869		2712099	2641861
4.901		34847	19583
4.929		652801	700780
4.981		4473950	5627957
5.031		532751	452066
5.067		3302663	3754270
5.114		174816	117061
5.151		373736	464897
5.185		6706746	5879815
5.206		204929	109004
5.224		69137	33686
5.251		1968554	1868162
5.294		1423174	1405187
5.388		1126642	900108
5.412		2223556	1873306
5.468		1189795	1098972
5.506		736726	687249
5.549		75442	76926
5.588		1177227	1388943
5.647		7552262	7453558
5.732		16038	15626
5.765		9567	6837
5.79		8747	10111
5.85		4392802	4111333
5.881		300702	183374
5.906		823114	890090
5.946		3323	2545
6.017		13081	9772
6.041		53678	50064
6.092		106741	85517
6.121		691141	657626
6.157		7290	5353
6.184		3371	2544
6.249		13111	8991
6.276		1720624	1696179
6.322		116635	116445
6.37		5459	5598
6.404		2143	2184
6.448		930	645
6.48		358882	402069
6.566		4655	5440
6.602		10087	7149
6.63	DCB	594631	603716
6.665		23923	18072
6.688		3861	2348
6.739		531	228
6.788		6136	6945
6.824		1888	2479
6.866		5145	5249
6.923		16214	20043
6.96		3346	3478

LANCASTER LABORATORIES

Sample Number: 9004808ACF DF5 ADA5309 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 7:03:40 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.028		1178	805
2.116		4626	7532
2.16		4964	5176
2.196		1505	915
2.236		3133	3459
2.29		3904	3502
2.323		3660	3694
2.368		158952	124762
2.418		1776	1266
2.452		1683	1937
2.474		4055	7435
2.552		22135	19472
2.62	TCX	1018031	656857
2.685		2611	1580
2.711		2452	2348
2.76		1581	1384
2.791		22988	13084
2.819		6082	5891
2.851		3031	2709
2.884		7804	5619
2.929		688471	485911
3.02		2942	3420
3.075		1572	896
3.115		8409	11285
3.191		1569	1221
3.235		11610	7929
3.275		7656	6576
3.337		17698	14598
3.367		2305	1475
3.396		29870	23458
3.416		13391	8828
3.445		5263	2875
3.505		21039	13644
3.54		407940	252870
3.563		128574	73226
3.582		57376	30333
3.667		218056	141574
3.691		38954	20874
3.712		66900	44647
3.741		10379	4493
3.757		202515	133183
3.798		41706	32608
3.839		46619	43355
3.869		305051	182948
3.892		2304223	1475345
3.917		710918	418826
3.937		192116	99522
3.956		607451	381733
3.991		3993225	2677417
4.024		1863006	1213236
4.041		271419	115058
4.102		209648	159120
4.137		1299522	970460
4.194		2575208	1888947

RT B	Compound B	Height B	Area B
4.227		1314170	1073521
4.254		6459050	5981986
4.294		1116932	1104452
4.346		7941597	6193256
4.384		650570	496652
4.416		5877281	4084528
4.44		1676629	1133297
4.483		10518000	8322987
4.536		17978	12553
4.585		7373629	7261277
4.635		5834124	4659607
4.676		2340333	1979119
4.713		14754660	12243310
4.746		3908053	2511885
4.784		3324904	2525169
4.843		38610	23848
4.857		41954	23795
4.883		774780	509196
4.901		331314	183150
4.934		5808365	4372703
4.958		2448582	1684436
5.008		3230465	2802295
5.043		1734539	1338498
5.074		1120300	902367
5.105		1316824	814895
5.128		17984170	13823310
5.169		277239	203557
5.201		408632	337497
5.244		10436	6413
5.264		34650	23768
5.298		18607	13058
5.318		118003	73901
5.341		2595182	2139404
5.386		11069340	11731080
5.434		7650	12839
5.486		6374	8354
5.541		134651	119583
5.587		327342	264369
5.61		74179	45931
5.632		32713	18465
5.659		1680189	1403565
5.699		14619	12877
5.739		56144	37078
5.765		4274624	3366712
5.797		242350	181101
5.887		8320	7232
5.91		3743	3379
5.965		836137	734652
6.011		9765	11003
6.061		3855	3161
6.124	DCB	1399729	1280492
6.161		74388	59020
6.192		3722	1643
6.254		16970	14881
6.3		17888	14419
6.328		8192	6857
6.366		12254	9377
6.394		37200	30365
6.495		9196	9116
6.549		63158	62968
6.605		66841	61710
6.664		9108	10741
6.696		3007	3409
6.808		1078	1646
6.9		3067	3393
6.975		2074	1932

9004808ACF DF5 ADA5309 T 171450004A 10225 SW-846 8082

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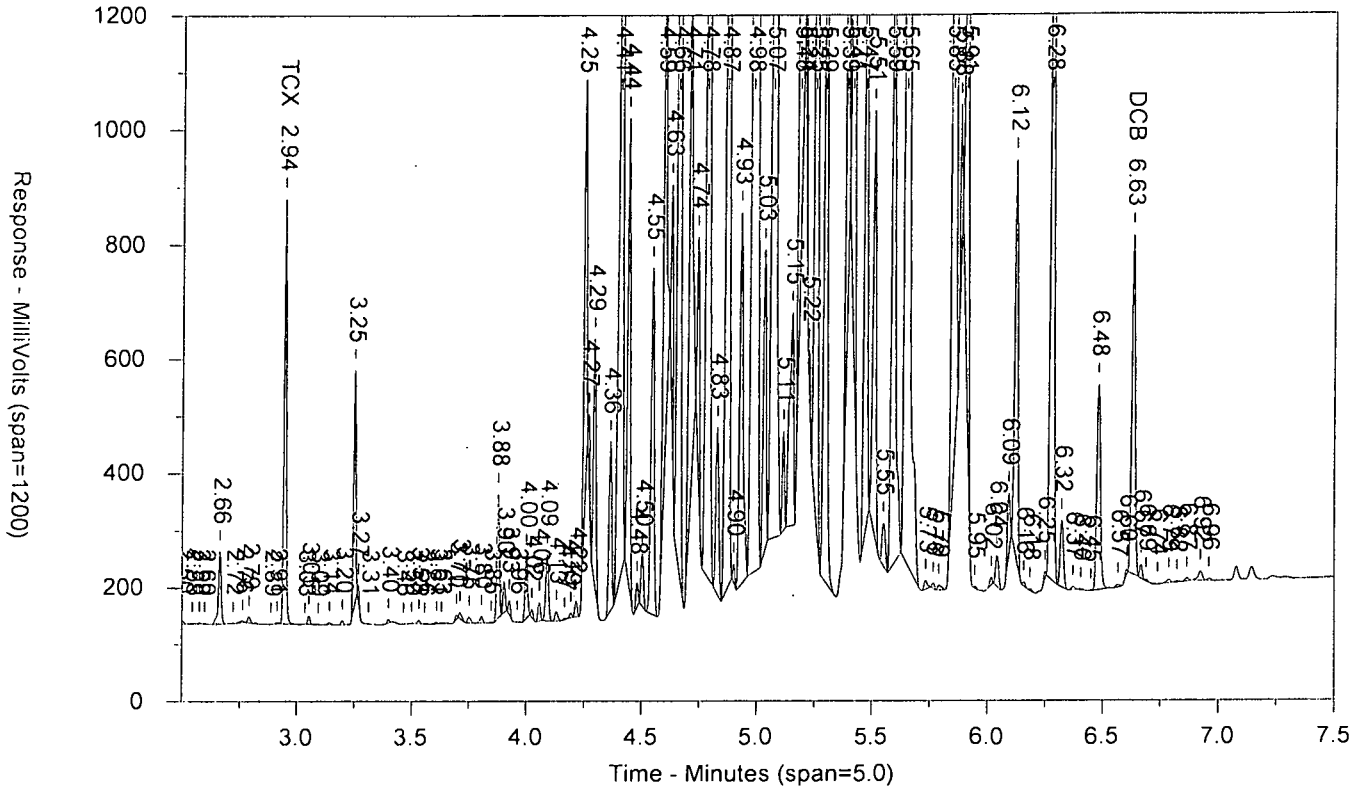

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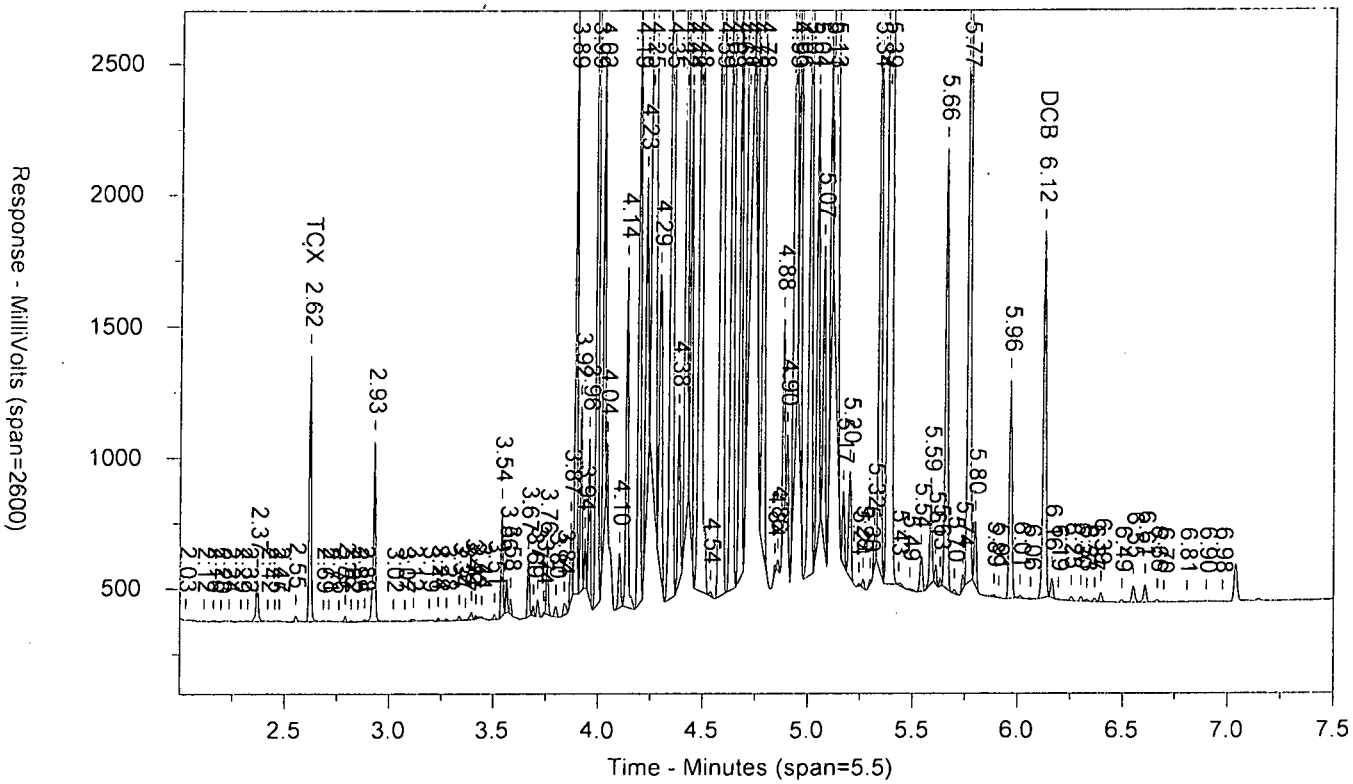

LANCASTER LABORATORIES

Sample Number: 9004808ACF DF5 ADA5309 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 7:03:40 PM Sample Weight: 10.41
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	743931	25.564	TCX	2.62	1018031	25.677	TCX
6.63	594631	28.651	DCB	6.124	1399729	28.52	DCB

Files:
Area File: 25pcbs17116021.026.RAW
Area File: 25pcbs17116021B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 7:12:11 PM
File Reported On: 5/26/2017 at 7:12:18 PM

9004808ACF DF5 ADA5309 T 171450004A 10225 SW-846 8082

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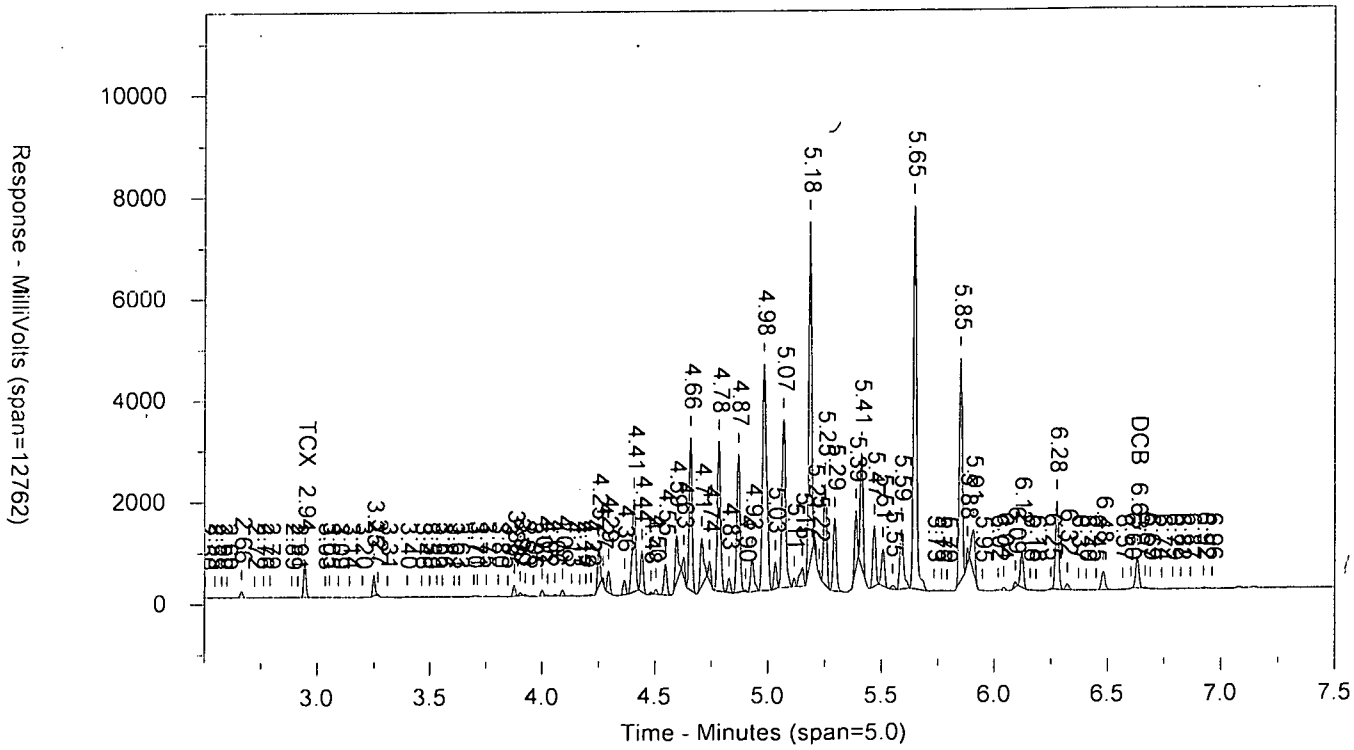

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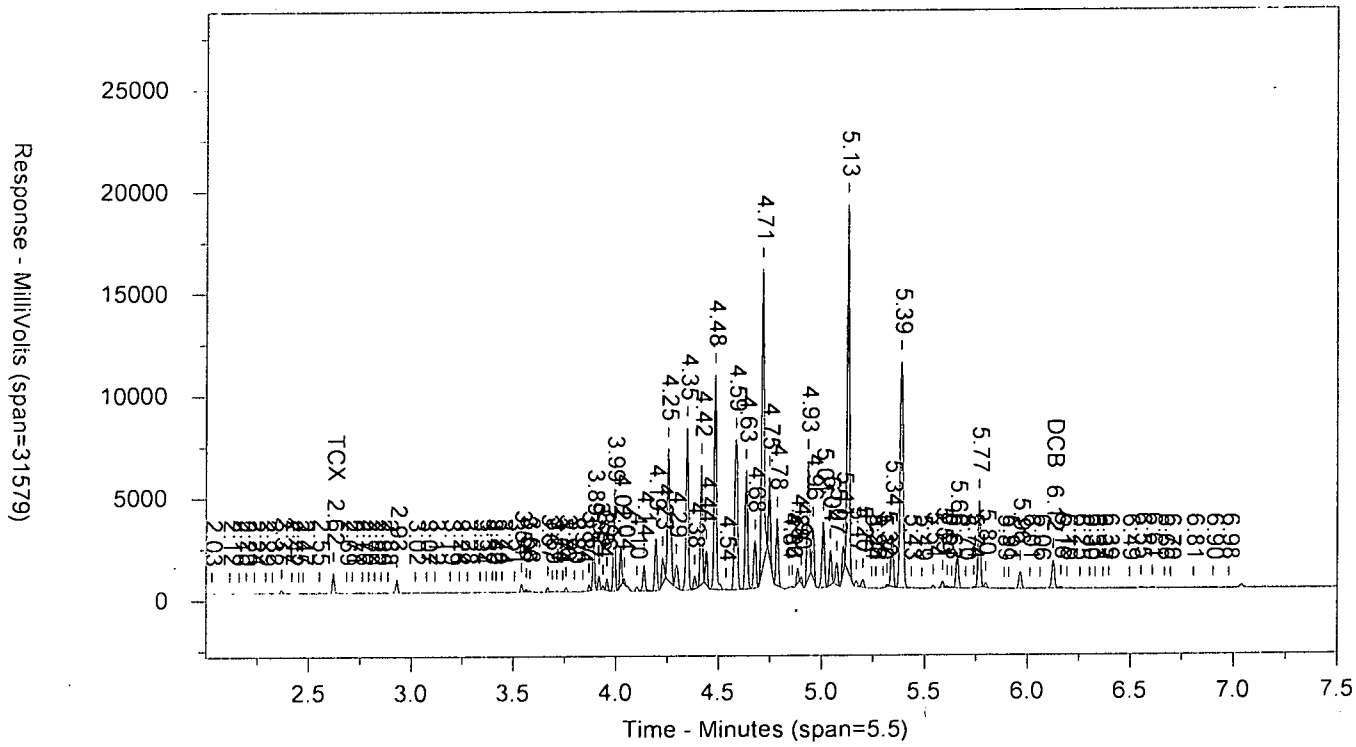

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9004809 ACF DF5 A5310 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.38 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 19:37:30
Instrument	18274A
Result file	25PCBS17116021.029.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 95% (61 - 152) Conc: 26.89182
%SSR(DCB) 106% (48 - 164) Conc: 29.87145

Analysis Report (B)

Injected on	May 26, 2017 19:37:30
Instrument	18274B
Result file	25PCBS17116021B.029.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 28.02634
%SSR(DCB) 106% (48 - 164) Conc: 29.76621

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	780322	26.89182
Decachlorobiphenyl	6.61	6.63	6.67	618168	29.87145

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1107960	28.02634
Decachlorobiphenyl	6.10	6.13	6.16	1456690	29.76621

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	28.02634				4.13	
☑ Decachlorobiphenyl	A	29.87145				0.35	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.46**	
4.76	4.78	4.80	534501.1	532.282017			1
5.05	5.07	5.09	522181.4	897.504653			2
5.23	5.25	5.27	383761.8	561.890764			3
5.40	5.41	5.44	407550.9	547.610219			4
5.63	5.65	5.67	1297540	643.036905			5
5.83	5.85	5.87	768336.4	623.427597			6

Height summation: **3913871.6**
Concentration CF: **634.292026** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.05**	
4.33	4.35	4.37	1302103	597.295656			1
4.47	4.48	4.51	1808405	724.185658			2
4.57	4.59	4.61	1237369	577.227802			3
4.92	4.94	4.96	964172.2	561.369596			4
5.11	5.13	5.15	2847634	672.313165			5
5.37	5.39	5.41	1884823	741.884877			6

Height summation: **10044506.2**
Concentration CF: **645.712792** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<245.6647	<47.6879			4	
☑ PCB-1221			<245.6647	<73.6994			3	
☑ PCB-1232			<245.6647	<59.2486			4	
☑ PCB-1242			<245.6647	<59.2486			4	
☑ PCB-1248			<245.6647	<47.6879			4	
☑ PCB-1254			<245.6647	<63.5838			4	
☑ PCB-1260	B	645.712792	245.6647	56.3584		1.78	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004809** ACF DF5 A5310 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.38 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 19:37:30
Instrument : CP25--18274A
Result file : 25PCBS17116021.029.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 95% (61-152) Conc.: 26.89182
%SSR(DCB) : 106% (48-164) Conc.: 29.87145

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**169.51**	
3.18	3.20	3.22	1372.361	2.83851			1
3.40	3.40	3.44	1448.386	3.156291			2
3.51	3.53	3.55	1252.84	2.155085			3
3.73	3.75	3.77	1872.604	2.651175			4
3.79	3.80	3.83	2897.844	4.593092			5
3.98	4.00	4.02	19779.88	44.425008			6
Height Summation:			**28623.915**				
Amount Avg CF:			**9.96986**	Linear:			
Aroclor-1221					**3**	**101.43**	
3.07	3.10	3.11	806.5775	3.424865			1
3.13	3.14	3.17	3083.597	14.263534			2
3.18	3.20	3.22	1372.361	2.074135			3
Height Summation:			**5262.5355**				
Amount Avg CF:			**6.587511**	Linear:			
Aroclor-1232					**6**	**181.66**	
3.18	3.20	3.22	1372.361	2.321227			1
3.40	3.40	3.44	1448.386	6.60532			2
3.52	3.53	3.56	1252.84	4.34268			3
3.74	3.75	3.78	1872.604	5.292884			4
3.79	3.80	3.83	2897.844	9.844439			5
3.99	4.00	4.03	19779.88	102.77923			6
+ 3.99	4.03	4.03	2509.452	13.03949			6
Height Summation:			**28623.915**				
Amount Avg CF:			**21.864296**	Linear:			
Aroclor-1242					**6**	**169.08**	
3.18	3.20	3.22	1372.361	3.344816			1
3.40	3.40	3.44	1448.386	3.805457			2
3.51	3.53	3.55	1252.84	2.581145			3
3.73	3.75	3.77	1872.604	3.183453			4
3.79	3.80	3.83	2897.844	5.745215			5
3.98	4.00	4.02	19779.88	53.405645			6
Height Summation:			**28623.915**				
Amount Avg CF:			**12.010955**	Linear:			
Aroclor-1248					**6**	**202.94**	
3.79	3.80	3.83	2897.844	8.009782			1
3.86	3.88	3.90	37270.67	65.60496			2
3.98	4.00	4.02	19779.88	30.107434			3
4.07	4.09	4.11	18340.95	32.442276			4
4.25	4.27	4.29	20483.48	36.408372			5
4.64	4.66	4.68	472931.3	1029.022538			6
Height Summation:			**571704.124**				
Amount Avg CF:			**200.265894**	Linear:			
Aroclor-1254					**6**	**73.92**	
4.24	4.25	4.28	142576	235.634176			1
+ 4.24	4.27	4.28	20483.48	33.852878			1
4.58	4.60	4.62	132070.3	183.894112			2
+ 4.58	4.61	4.62	5581.989	7.772337			2
4.64	4.66	4.68	472931.3	340.563643			3
4.77	4.78	4.81	534501.1	1191.099602			4
4.86	4.87	4.89	435017.4	425.907133			5
5.05	5.07	5.09	522181.4	687.376924			6
Height Summation:			**2239277.5**				
Amount Avg CF:			**510.745932**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 19:37:30
Instrument : CP25--18274B
Result file : 25PCBS17116021B.029.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 28.02634
%SSR(DCB) : 106% (48-164) Conc.: 29.76621

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**113.01**	
3.22	3.24	3.26	2317.779	2.560349			2
3.41	3.42	3.45	5373.973	5.25158			3
3.49	3.51	3.53	4184.031	3.930142			4
3.65	3.67	3.69	42159.27	48.863488			5
3.74	3.76	3.78	40075.39	50.835726			6
Height Summation:			**94110.443**				
Amount Avg CF:			**22.288257**	Linear:			
Aroclor-1221					**2**	**15.83**	
2.77	2.79	2.81	6344.57	17.986078			1
2.84	2.86	2.88	3129.162	14.364973			2
Height Summation:			**9473.732**				
Amount Avg CF:			**16.175526**	Linear:			
Aroclor-1232					**5**	**113.52**	
3.22	3.24	3.26	2317.779	5.425741			2
3.41	3.42	3.45	5373.973	11.703256			3
3.49	3.51	3.53	4184.031	8.823069			4
3.65	3.67	3.69	42159.27	115.440591			5
+ 3.65	3.69	3.69	8156.655	22.334568			5
3.75	3.76	3.79	40075.39	109.939501			6
Height Summation:			**94110.443**				
Amount Avg CF:			**50.266432**	Linear:			
Aroclor-1242					**5**	**112.04**	
3.22	3.24	3.26	2317.779	3.20609			2
3.41	3.42	3.45	5373.973	6.53857			3
3.49	3.51	3.53	4184.031	4.989545			4
3.65	3.67	3.69	42159.27	60.13315			5
3.74	3.76	3.78	40075.39	59.77666			6
Height Summation:			**94110.443**				
Amount Avg CF:			**26.928803**	Linear:			
Aroclor-1248					**6**	**173.05**	
3.41	3.42	3.45	5373.973	13.13068			1
3.52	3.54	3.56	76488.3	73.155156			2
3.65	3.67	3.69	42159.27	33.714755			3
+ 3.65	3.69	3.69	8156.655	6.522874			3
3.74	3.76	3.78	40075.39	41.961489			4
3.88	3.89	3.92	388808.8	202.442034			5
4.24	4.26	4.28	981912.8	1079.322052			6
Height Summation:			**1534818.533**				
Amount Avg CF:			**240.621028**	Linear:			
Aroclor-1254					**6**	**76.55**	
4.18	4.19	4.22	397001.9	248.992873			1
4.24	4.26	4.28	981912.8	335.436368			2
4.33	4.35	4.37	1302103	968.832731			3
4.40	4.42	4.44	833198	425.694128			4
+ 4.40	4.44	4.44	306628.2	156.661231			4
4.47	4.48	4.51	1808405	1666.300151			5
4.62	4.64	4.66	796207.9	557.665876			6
Height Summation:			**6118828.6**				
Amount Avg CF:			**700.487021**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004809** ACF DF5 A5310 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.38 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 19:37:30
Instrument : CP25--18274A
Result file : 25PCBS17116021.029.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	21.46	
4.76	4.78	4.80	534501.1	532.282017			1
5.05	5.07	5.09	522181.4	897.504653			2
5.23	5.25	5.27	383761.8	561.890764			3
5.40	5.41	5.44	407550.9	547.610219			4
5.63	5.65	5.67	1297540	643.036905			5
5.83	5.85	5.87	768336.4	623.427597			6
Height Summation:			**3913871.6**				
Amount Avg CF:			**634.292026**	Linear:			
Aroclor-1262					6	29.07	
5.23	5.25	5.27	383761.8	314.862641			1
5.40	5.41	5.44	407550.9	388.337552			2
5.63	5.65	5.67	1297540	479.577576			3
5.83	5.85	5.87	768336.4	462.927409			4
5.89	5.91	5.93	149483.4	196.482867			5
6.26	6.28	6.30	323886.7	329.778491			6
Height Summation:			**3330559.2**				
Amount Avg CF:			**361.994423**	Linear:			
Aroclor-1268					6	94.69	
5.83	5.85	5.87	768336.4	262.167799			1
5.89	5.91	5.93	149483.4	56.054804			2
6.03	6.05	6.07	12134.83	4.899606			3
+ 6.09	6.09	6.13	21865.12	33.937518			4
6.09	6.12	6.13	139873.4	217.101759			4
6.26	6.28	6.30	323886.7	308.531049			5
6.47	6.48	6.51	78444.3	9.100033			6
Height Summation:			**1472159.03**				
Amount Avg CF:			**142.975842**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 19:37:30
Instrument : CP25--18274B
Result file : 25PCBS17116021B.029.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	12.05	
4.33	4.35	4.37	1302103	597.295656			1
4.47	4.48	4.51	1808405	724.185658			2
4.57	4.59	4.61	1237369	577.227802			3
4.92	4.94	4.96	964172.2	561.369596			4
5.11	5.13	5.15	2847634	672.313165			5
5.37	5.39	5.41	1884823	741.884877			6
Height Summation:			**10044506.2**				
Amount Avg CF:			**645.712792**	Linear:			
Aroclor-1262					6	31.35	
4.73	4.75	4.77	751079.9	273.602271			1
4.92	4.94	4.96	964172.2	355.143078			2
5.11	5.13	5.15	2847634	501.235072			3
5.33	5.34	5.36	486506.2	227.745088			4
5.37	5.39	5.41	1884823	508.27988			5
5.75	5.77	5.79	734159.9	344.721724			6
Height Summation:			**7668375.2**				
Amount Avg CF:			**368.454519**	Linear:			
Aroclor-1268					6	123.44	
5.33	5.34	5.37	486506.2	72.090575			1
5.37	5.39	5.41	1884823	287.183354			2
5.53	5.54	5.57	34768.1	6.088989			3
5.59	5.61	5.63	17995.04	12.798368			4
5.75	5.77	5.79	734159.9	308.691751			5
5.95	5.97	5.99	184988	9.123239			6
Height Summation:			**3343240.24**				
Amount Avg CF:			**115.996046**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			245.6647	47.6879		** 76.37	4	40	
Aroclor-1221			245.6647	73.6994		** 84.24	3	5	
Aroclor-1232			245.6647	59.2486		** 78.75	4	10	
Aroclor-1242			245.6647	59.2486		** 76.62	4	30	
Aroclor-1248			245.6647	47.6879		18.31	4	40	
Aroclor-1254			245.6647	63.5838		31.33	4	40	
Aroclor-1260			245.6647	56.3584		1.78	4	40	
Aroclor-1262			245.6647	47.6879		1.77	4	40	
Aroclor-1268			245.6647	47.6879		20.84	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004809ACF DF5 ACA5310 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 7:37:30 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		1185	1050
2.044		8721	10679
2.089		6853	8771
2.144		13381	11773
2.212		39424	28577
2.238		2299	1330
2.29		832	943
2.339		22497	16999
2.375		2206	1777
2.402		872	869
2.453		416	345
2.502		4839	6160
2.547		1265	914
2.575		617	436
2.6		938	481
2.664		19759	15539
2.699		816	659
2.717		698	380
2.751		2552	4017
2.791		15452	14198
2.886		1153	982
2.914		2703	2147
2.944	TCX	780322	544760
3.034		473	188
3.053		4167	3144
3.097		807	1384
3.142		3084	2939
3.197		1372	861
3.249		93676	59458
3.267		6813	3014
3.373		299	82
3.4		1448	3022
3.461		1170	924
3.53		1253	3234
3.615		553	401
3.632		2422	1976
3.657		422	191
3.696		12848	13651
3.754		1873	1713
3.805		2898	3868
3.878		37271	29313
3.905		9363	6371
3.928		5573	3381
3.965		1800	1632
4.002		19780	14764
4.026		2509	1420
4.058		5807	4295
4.092		18341	16223
4.132		2628	2305
4.195		11154	8430
4.217		3783	2363
4.253		142576	107153
4.27		20483	9964
4.295		75279	66560

RT A	Compound A	Height A	Area A
4.365		56159	46291
4.408		310734	335589
4.443		143121	119600
4.483		7639	5245
4.505		14396	11186
4.547		110876	100259
4.597		132070	103327
4.614		5582	1788
4.628		65046	41005
4.658		472931	428161
4.708		193015	200936
4.743		69868	52967
4.785		534501	531947
4.829		49129	44182
4.87		435017	422737
4.902		5704	3364
4.931		138423	141777
4.983		830005	1026125
5.033		114634	100981
5.069		522181	609738
5.116		31536	20368
5.153		81886	99455
5.186		1172991	1283226
5.254		383762	374654
5.296		284115	284652
5.389		200965	163145
5.414		407551	350968
5.471		240952	232626
5.509		147025	143520
5.553		17288	16337
5.591		204092	256731
5.649		1297540	1334700
5.736		2395	1756
5.769		1574	1019
5.795		1592	1297
5.853		768336	736810
5.883		48350	32636
5.908		149483	168658
5.951		832	666
6.019		2893	3888
6.046		12135	11023
6.095		21865	17120
6.124		139873	134512
6.158		1024	748
6.254		1858	1290
6.28		323887	332818
6.325		22296	21308
6.37		2246	2562
6.404		1393	1286
6.484		78444	83348
6.532		714	382
6.574		6400	7091
6.634	DCB	618168	673975
6.668		2009	1341
6.694		1170	503
6.709		655	180
6.751		599	777
6.787		1903	2717
6.827		418	289
6.835		1173	425
6.883		1198	1038
6.925		4071	7665

LANCASTER LABORATORIES

Sample Number: 9004809ACF DF5 ACA5310 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 7:37:30 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.117		2154	2843
2.16		2523	3735
2.211		1851	2570
2.235		3169	3981
2.3		1454	3411
2.367		28141	25569
2.472		2892	11173
2.536		3005	3125
2.552		30961	27278
2.619	TCX	1107960	697315
2.719		1609	3652
2.791		6345	3657
2.858		3129	3993
2.883		1787	1380
2.928		153083	112580
3		1499	1137
3.115		4010	3206
3.156		2001	3394
3.196		2227	3145
3.238		2318	1712
3.281		4148	5077
3.337		22588	15213
3.366		2191	1194
3.394		6010	4871
3.418		5374	4584
3.462		1709	1152
3.506		4184	4025
3.541		76488	47431
3.565		26380	14980
3.583		13060	6315
3.67		42159	25956
3.692		8157	4348
3.713		11013	7451
3.759		40075	28597
3.8		7691	6002
3.84		8310	8425
3.871		53485	31877
3.893		388809	258850
3.918		120834	72542
3.938		39823	21315
3.958		136249	89575
3.992		647791	451260
4.024		339336	372837
4.103		40863	34906
4.138		218823	170842
4.195		397002	300324
4.229		211003	175633
4.255		981913	927784
4.295		206364	210433
4.347		1302103	1059100
4.385		105922	88131
4.417		833198	591951
4.442		306628	215757
4.484		1808405	1461396

RT B	Compound B	Height B	Area B
4.587		1237369	1229374
4.636		796208	669394
4.678		423637	362217
4.714		2276419	1944744
4.747		751080	503485
4.785		609347	472953
4.844		5166	2842
4.861		40263	28633
4.885		131119	88792
4.902		57582	33645
4.936		964172	758189
4.959		357571	253549
5.009		576806	522267
5.045		310503	250349
5.074		213228	168720
5.106		191591	119719
5.129		2847634	2304992
5.171		66501	47570
5.201		82956	66005
5.243		2330	1786
5.266		6383	3838
5.32		24031	14338
5.343		486506	406707
5.388		1884823	2035750
5.485		1859	2328
5.543		34768	30307
5.588		66287	51114
5.611		17995	11450
5.633		5754	3180
5.66		322281	273094
5.74		10682	6028
5.768		734160	616228
5.799		47586	35848
5.928		1174	999
5.968		184988	159920
6.056		1461	1415
6.126	DCB	1456690	1313156
6.163		10213	7305
6.219		1330	972
6.256		2920	2766
6.304		3531	2650
6.332		7559	6966
6.37		2222	1889
6.397		5189	4142
6.494		2260	2101
6.554		11295	13646
6.609		13003	13869
6.665		2428	3534
6.744		739	561
6.852		1658	4589
6.905		3557	9890

9004809ACF DF5 ACA5310 T 171450004A 10225 SW-846 8082

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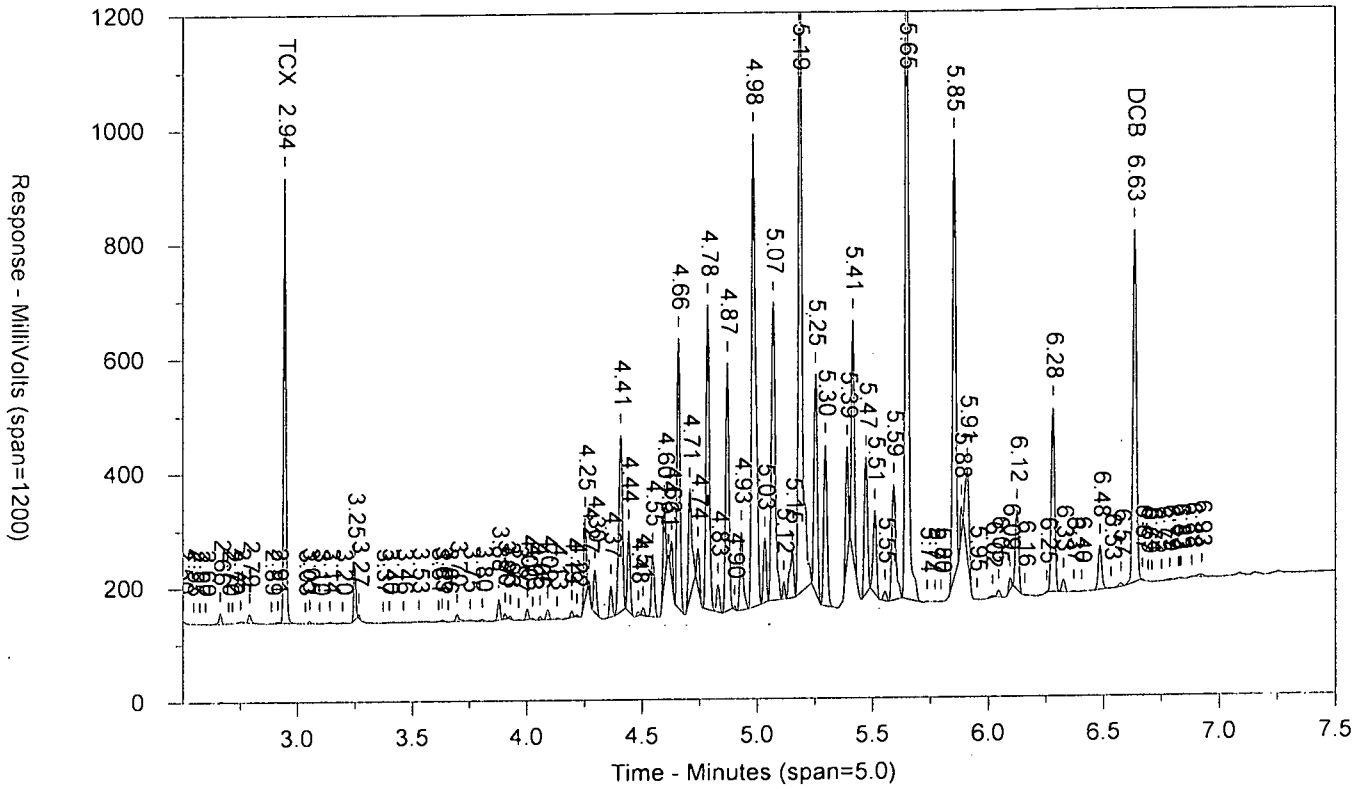

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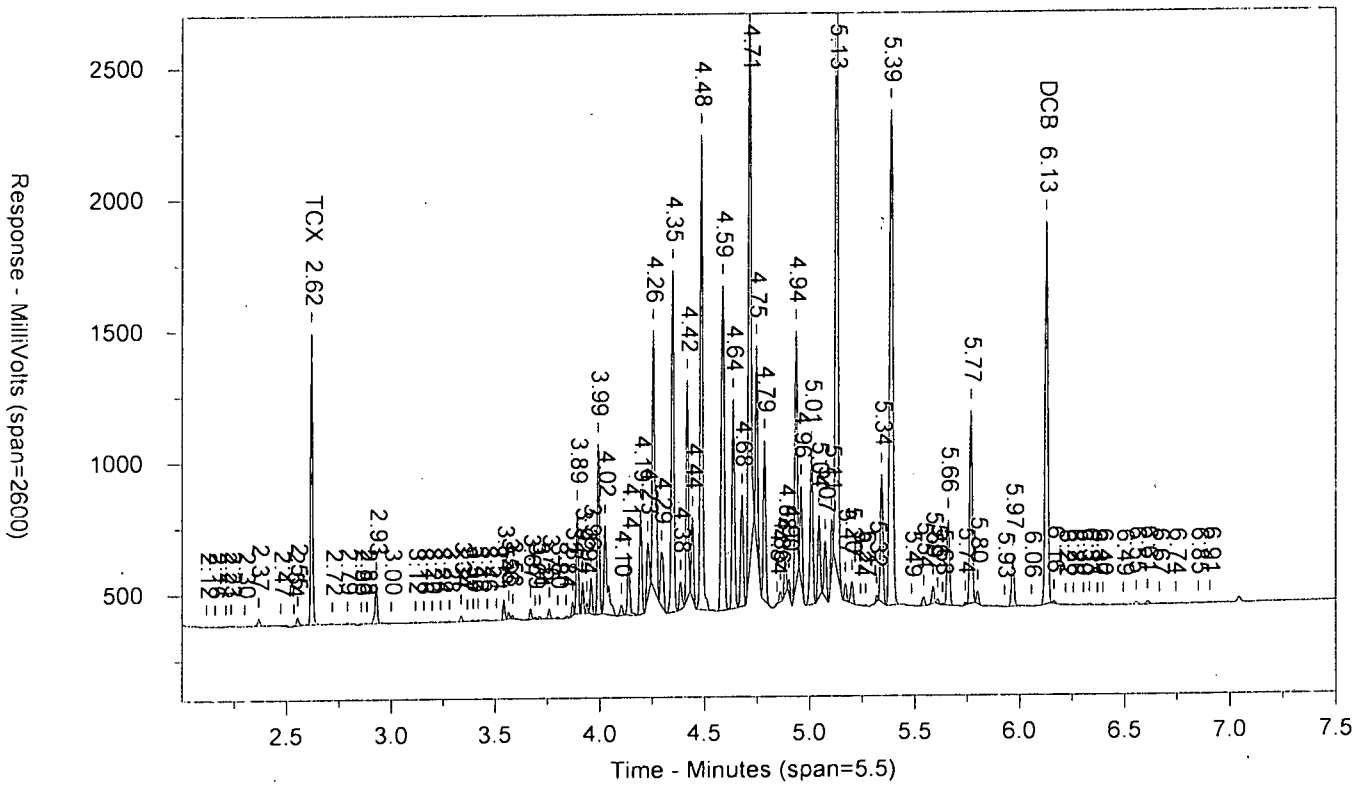

LANCASTER LABORATORIES

Sample Number: 9004809ACF DF5 ACA5310 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 7:37:30 PM Sample Weight: 10.38
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	780322	26.892	TCX	2.619	1107960	28.026	TCX
6.634	618168	29.871	DCB	6.126	1456690	29.766	DCB

Files:
Area File: 25pcbs17116021.029.RAW
Area File: 25pcbs17116021B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 7:46:02 PM
File Reported On: 5/26/2017 at 7:46:08 PM

9004809ACF DF5 ACA5310 T 171450004A 10225 SW-846 8082

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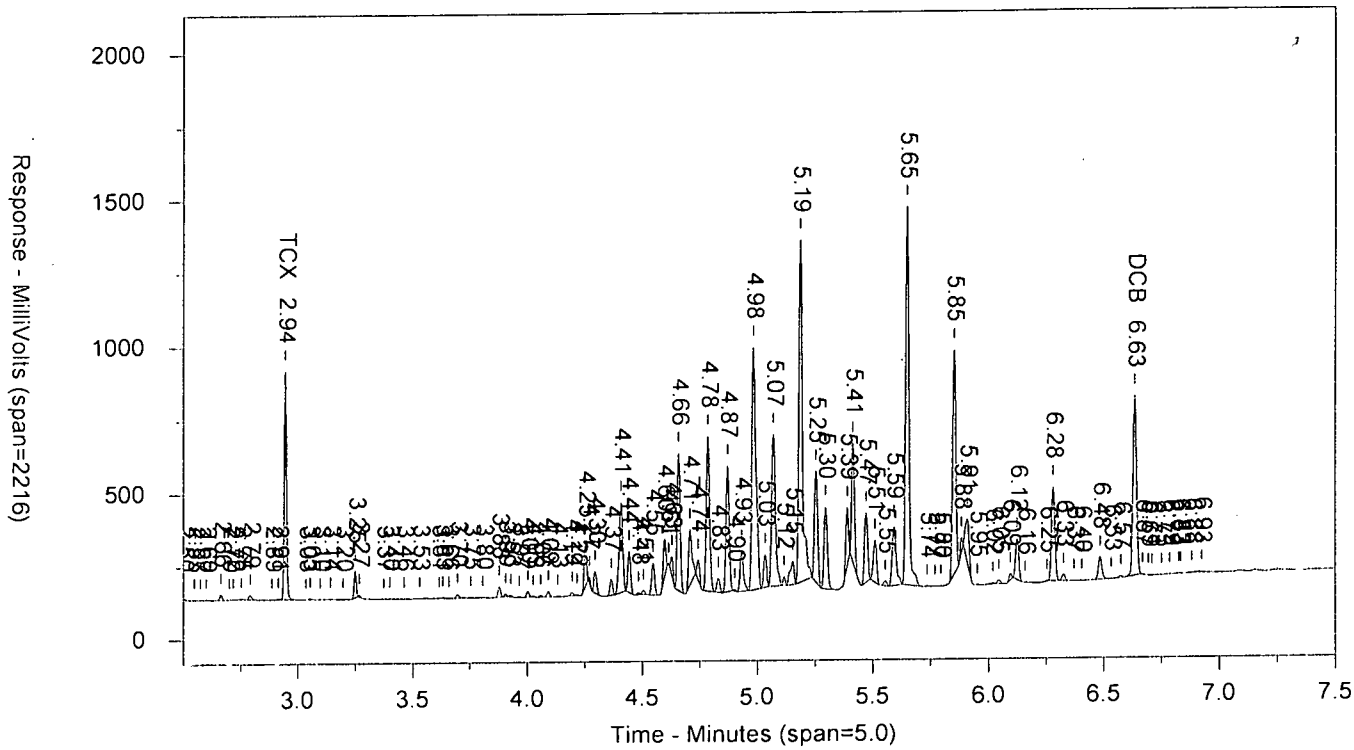

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Data Summary

Sample Name: 9004810 ACF DF5 A5311 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.24 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 19:48:51
Instrument	18274A
Result file	25PCBS17116021.030.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 85% (61 - 152) Conc: 24.17017
%SSR(DCB) 94% (48 - 164) Conc: 26.79863

Analysis Report (B)

Injected on	May 26, 2017 19:48:51
Instrument	18274B
Result file	25PCBS17116021B.030.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 86% (61 - 152) Conc: 24.52078
%SSR(DCB) 93% (48 - 164) Conc: 26.64641

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	691888	24.17017
Decachlorobiphenyl	6.61	6.64	6.67	547098	26.79863

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	956300	24.52078
Decachlorobiphenyl	6.10	6.13	6.16	1286426	26.64641

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	B	24.52078				1.44	
☑	Decachlorobiphenyl	A	26.79863				0.57	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.72**	
4.76	4.79	4.80	192474.7	194.29617			1
5.05	5.07	5.09	186768.5	325.399093			2
5.23	5.26	5.27	167684.5	248.874539			3
5.40	5.42	5.44	162148.1	220.850785			4
5.63	5.65	5.67	508307.7	255.35198			5
5.83	5.85	5.87	327025.5	268.976061			6

Height summation: **1544409**
Concentration CF: **252.291438** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.95**	
4.33	4.35	4.37	520383.4	241.971852			1
4.47	4.48	4.51	700885.8	284.51088			2
4.57	4.59	4.61	464515.5	219.657287			3
4.92	4.94	4.96	367546	216.92189			4
5.11	5.13	5.15	1097343	262.619664			5
5.37	5.39	5.41	765404.1	305.389518			6

Height summation: **3916077.8**
Concentration CF: **255.178515** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<249.0234	<48.3398			4	
☑	PCB-1221			<249.0234	<74.707			3	
☑	PCB-1232			<249.0234	<60.0586			4	
☑	PCB-1242			<249.0234	<60.0586			4	
☑	PCB-1248			<249.0234	<48.3398			4	
☑	PCB-1254			<249.0234	<64.4531			4	
☑	PCB-1260	B	255.178515	249.0234	57.1289		1.14	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004810** ACF DF5 A5311 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.24 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 19:48:51
Instrument : CP25--18274A
Result file : 25PCBS17116021.030.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 85% (61-152) Conc.: 24.17017
%SSR(DCB) : 94% (48-164) Conc.: 26.79863

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	142.16	
+ 3.18	3.18	3.22	754.7277	1.582376			1
3.18	3.20	3.22	782.4223	1.640441			1
3.40	3.42	3.44	638.1126	1.409572			2
3.51	3.53	3.55	13648.05	23.797799			3
3.73	3.76	3.77	64339.18	92.33479			4
3.79	3.80	3.83	2059.188	3.308442			5
3.98	4.00	4.02	10985.11	25.009538			6
Height Summation:			**92452.0629**				
Amount Avg CF:				**24.58343** Linear:			
Aroclor-1221					3	121.81	
3.07	3.09	3.11	582.8942	2.508907			1
3.13	3.14	3.17	3170.634	14.866647			2
+ 3.18	3.18	3.22	754.7277	1.156262			3
3.18	3.20	3.22	782.4223	1.198691			3
Height Summation:			**4535.9505**				
Amount Avg CF:				**6.191415** Linear:			
Aroclor-1232					6	139.39	
3.18	3.20	3.22	782.4223	1.341491			1
3.40	3.42	3.44	638.1126	2.949879			2
3.52	3.53	3.56	13648.05	47.954594			3
3.74	3.76	3.78	64339.18	184.339887			4
3.79	3.80	3.83	2059.188	7.091031			5
3.99	4.00	4.03	10985.11	57.860677			6
Height Summation:			**92452.0629**				
Amount Avg CF:				**50.25626** Linear:			
Aroclor-1242					6	142.03	
+ 3.18	3.18	3.22	754.7277	1.864625			1
3.18	3.20	3.22	782.4223	1.933047			1
3.40	3.42	3.44	638.1126	1.699485			2
3.51	3.53	3.55	13648.05	28.502616			3
3.73	3.76	3.77	64339.18	110.872913			4
3.79	3.80	3.83	2059.188	4.138326			5
3.98	4.00	4.02	10985.11	30.065285			6
Height Summation:			**92452.0629**				
Amount Avg CF:				**29.535279** Linear:			
Aroclor-1248					6	146.45	
3.79	3.80	3.83	2059.188	5.769512			1
3.86	3.88	3.90	39756.35	70.937092			2
3.98	4.00	4.02	10985.11	16.949305			3
4.07	4.10	4.11	20453.4	36.673504			4
4.25	4.26	4.29	59343.65	106.922515			5
+ 4.25	4.27	4.29	12526.81	22.5702			5
4.64	4.66	4.68	201913.9	445.338706			6
Height Summation:			**334511.598**				
Amount Avg CF:				**113.765106** Linear:			

Analysis Report (B)

Injected on : May 26, 2017 19:48:51
Instrument : CP25--18274B
Result file : 25PCBS17116021B.030.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 86% (61-152) Conc.: 24.52078
%SSR(DCB) : 93% (48-164) Conc.: 26.64641

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	97.03	
2.89	2.92	2.93	6956.772	10.372945			1
3.22	3.24	3.26	26170.27	29.304393			2
+ 3.41	3.42	3.45	76303.23	75.584859			3
3.41	3.45	3.45	126512.5	125.321424			3
3.49	3.50	3.53	11990.66	11.417047			4
+ 3.65	3.65	3.69	4068.763	4.780256			5
3.65	3.67	3.69	23087.83	27.125134			5
3.74	3.76	3.78	67825.67	87.213309			6
Height Summation:			**262543.702**				
Amount Avg CF:				**48.459042** Linear:			
Aroclor-1221					2	12.40	
2.84	2.87	2.88	1964.188	9.140232			2
2.89	2.92	2.93	6956.772	7.666434			3
Height Summation:			**8920.96**				
Amount Avg CF:				**8.403333** Linear:			
Aroclor-1232					6	101.59	
2.89	2.92	2.93	6956.772	8.294487			1
3.22	3.24	3.26	26170.27	62.100148			2
+ 3.41	3.42	3.45	76303.23	168.442444			3
3.41	3.45	3.45	126512.5	279.281423			3
3.49	3.50	3.53	11990.66	25.630984			4
+ 3.65	3.65	3.69	4068.763	11.293414			5
3.65	3.67	3.69	23087.83	64.083463			5
+ 3.65	3.69	3.69	9886.545	27.441472			5
3.75	3.76	3.79	67825.67	188.611207			6
Height Summation:			**262543.702**				
Amount Avg CF:				**104.666952** Linear:			
Aroclor-1242					6	97.29	
2.89	2.92	2.93	6956.772	12.385469			1
3.22	3.24	3.26	26170.27	36.695207			2
+ 3.41	3.42	3.45	76303.23	94.108229			3
3.41	3.45	3.45	126512.5	156.033595			3
3.49	3.50	3.53	11990.66	14.494611			4
+ 3.65	3.65	3.69	4068.763	5.882754			5
3.65	3.67	3.69	23087.83	33.381157			5
3.74	3.76	3.78	67825.67	102.552293			6
Height Summation:			**262543.702**				
Amount Avg CF:				**59.257055** Linear:			
Aroclor-1248					6	97.36	
+ 3.41	3.42	3.45	76303.23	188.987049			1
3.41	3.45	3.45	126512.5	313.344848			1
3.52	3.54	3.56	77686.02	75.316512			2
+ 3.65	3.65	3.69	4068.763	3.298274			3
3.65	3.67	3.69	23087.83	18.715759			3
3.74	3.76	3.78	67825.67	71.988748			4
3.88	3.89	3.92	179980.1	94.991882			5
4.24	4.26	4.28	377459.3	420.577133			6
Height Summation:			**852551.42**				
Amount Avg CF:				**165.82248** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004810** ACF DF5 A5311 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.24 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 19:48:51
Instrument : CP25--18274A
Result file : 25PCBS17116021.030.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	65.75	
4.24	4.26	4.28	59343.65	99.417653			1
+ 4.24	4.27	4.28	12526.81	20.986003			1
4.58	4.60	4.62	57400.96	81.01757			2
+ 4.58	4.62	4.62	7637.245	10.779454			2
4.64	4.66	4.68	201913.9	147.388582			3
4.77	4.79	4.81	192474.7	434.780967			4
4.86	4.87	4.89	179673.1	178.315355			5
5.05	5.07	5.09	186768.5	249.215229			6
Height Summation:			**877574.81**				
Amount Avg CF:			**198.355893**	Linear:			
Aroclor-1260					6	17.72	
+ 4.76	4.77	4.80	8784.094	8.867222			1
4.76	4.79	4.80	192474.7	194.29617			1
5.05	5.07	5.09	186768.5	325.399093			2
5.23	5.26	5.27	167684.5	248.874539			3
5.40	5.42	5.44	162148.1	220.850785			4
5.63	5.65	5.67	508307.7	255.35198			5
5.83	5.85	5.87	327025.5	268.976061			6
Height Summation:			**1544409**				
Amount Avg CF:			**252.291438**	Linear:			
Aroclor-1262					6	23.82	
5.23	5.26	5.27	167684.5	139.460015			1
5.40	5.42	5.44	162148.1	156.61624			2
5.63	5.65	5.67	508307.7	190.441765			3
5.83	5.85	5.87	327025.5	199.728712			4
5.89	5.91	5.93	71875.42	95.765595			5
6.26	6.28	6.30	157454.7	162.510803			6
Height Summation:			**1394495.92**				
Amount Avg CF:			**157.420522**	Linear:			
Aroclor-1268					6	95.09	
5.83	5.85	5.87	327025.5	113.11155			1
5.89	5.91	5.93	71875.42	27.321067			2
6.03	6.05	6.07	6189.988	2.533464			3
+ 6.09	6.10	6.13	7849.89	12.350632			4
6.09	6.12	6.13	63425.06	99.789879			4
6.26	6.28	6.30	157454.7	152.040324			5
6.47	6.49	6.51	40079.51	4.713043			6
Height Summation:			**666050.178**				
Amount Avg CF:			**66.584888**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 19:48:51
Instrument : CP25--18274B
Result file : 25PCBS17116021B.030.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	74.68	
4.18	4.20	4.22	175394.6	111.508493			1
4.24	4.26	4.28	377459.3	130.708777			2
4.33	4.35	4.37	520383.4	392.486112			3
4.40	4.42	4.44	333805.2	172.878082			4
+ 4.40	4.44	4.44	145627.5	75.420643			4
4.47	4.48	4.51	700885.8	654.639479			5
4.62	4.64	4.66	308173.9	218.796736			6
Height Summation:			**2416102.2**				
Amount Avg CF:			**280.169613**	Linear:			
Aroclor-1260					6	13.95	
4.33	4.35	4.37	520383.4	241.971852			1
4.47	4.48	4.51	700885.8	284.51088			2
4.57	4.59	4.61	464515.5	219.657287			3
4.92	4.94	4.96	367546	216.92189			4
5.11	5.13	5.15	1097343	262.619664			5
5.37	5.39	5.41	765404.1	305.389518			6
Height Summation:			**3916077.8**				
Amount Avg CF:			**255.178515**	Linear:			
Aroclor-1262					6	29.03	
4.73	4.75	4.77	302337.7	111.640882			1
4.92	4.94	4.96	367546	137.232775			2
5.11	5.13	5.15	1097343	195.792962			3
5.33	5.34	5.36	211087.3	100.165956			4
5.37	5.39	5.41	765404.1	209.228349			5
5.75	5.77	5.79	342116.1	162.835429			6
Height Summation:			**3085834.2**				
Amount Avg CF:			**152.816059**	Linear:			
Aroclor-1268					6	122.06	
5.33	5.34	5.37	211087.3	31.706595			1
5.37	5.39	5.41	765404.1	118.216167			2
5.53	5.54	5.57	19192.78	3.407215			3
5.59	5.61	5.63	11108.08	8.00826			4
5.75	5.77	5.79	342116.1	145.816031			5
5.95	5.97	5.99	94741.87	4.736361			6
Height Summation:			**1443650.23**				
Amount Avg CF:			**51.981772**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			249.0234	48.3398		** 65.37	4	40	
Aroclor-1221			249.0234	74.707		30.31	3	5	
Aroclor-1232			249.0234	60.0586		** 70.24	4	10	
Aroclor-1242			249.0234	60.0586		** 66.95	4	30	
Aroclor-1248			249.0234	48.3398		37.24	4	40	
Aroclor-1254			249.0234	64.4531		34.19	4	40	
Aroclor-1260			249.0234	57.1289		1.14	4	40	
Aroclor-1262			249.0234	48.3398		2.97	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004810** ACF DF5 A5311 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.24 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: May 26, 2017 19:48:51
Instrument	: CP25--18274A
Result file	: 25PCBS17116021.030.RAW
Calibration file	: 25PCBS1711601.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: May 26, 2017 19:48:51
Instrument	: CP25--18274B
Result file	: 25PCBS17116021B.030.RAW
Calibration file	: 25PCBS1711601B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			249.0234	48.3398		24.63	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004810ACF DF5 ACA5311 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 7:48:51 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.014		825	764
2.044		9423	10152
2.09		6401	8952
2.145		7510	5493
2.212		11893	8603
2.239		2625	1810
2.293		1010	1085
2.339		20482	15721
2.374		1935	1409
2.404		1719	1652
2.442		479	532
2.503		6145	7330
2.545		1375	1035
2.601		1198	855
2.664		7150	6875
2.697		1398	1118
2.721		838	604
2.754		2770	4428
2.79		8229	6533
2.883		1234	1046
2.914		3532	2854
2.944	TCX	691888	478506
3.054		1076	880
3.091		583	444
3.118		780	648
3.143		3171	2721
3.179		755	313
3.195		782	420
3.226		885	769
3.25		16205	9871
3.268		8493	4474
3.392		860	1180
3.419		638	435
3.466		1347	1112
3.534		13648	12339
3.602		4647	3319
3.633		2885	2458
3.698		21493	14488
3.724		33902	24702
3.76		64339	50914
3.803		2059	2430
3.847		7084	5954
3.879		39756	29781
3.906		54869	35395
3.929		149661	112290
3.967		1561	1154
4.003		10985	7970
4.028		5564	3577
4.059		13487	10619
4.095		20453	20797
4.141		24084	20058
4.169		8261	5683
4.196		12224	8772
4.22		5345	3319

RT A	Compound A	Height A	Area A
4.255		59344	44597
4.272		12527	6162
4.3		72426	70009
4.368		39746	34100
4.409		153419	185117
4.445		76963	65913
4.485		14300	10689
4.506		5931	4089
4.549		44510	42471
4.598		57401	42743
4.615		7637	3338
4.628		16098	9780
4.66		201914	180527
4.71		87679	90883
4.745		22073	13546
4.766		8784	4362
4.786		192475	180621
4.832		22549	20244
4.872		179673	197590
4.932		61427	58386
4.984		329611	432891
5.035		49607	43378
5.07		186769	225140
5.117		14001	9715
5.153		34402	39634
5.187		443937	489181
5.229		6269	2679
5.255		167685	161505
5.298		122430	117346
5.391		78147	63716
5.415		162148	142806
5.472		108439	106143
5.51		62038	58247
5.553		7792	8312
5.591		88657	102705
5.649		508308	552113
5.733		1480	1419
5.826		2950	1891
5.852		327026	317125
5.883		22642	14514
5.908		71875	84294
6.019		2346	3625
6.046		6190	5300
6.096		7850	6218
6.124		63425	60589
6.21		347	154
6.249		603	1410
6.28		157455	161032
6.325		9406	8760
6.366		3499	3709
6.409		670	728
6.485		40080	42247
6.577		5454	7013
6.636	DCB	547098	611919
6.691		1174	1028
6.723		492	161
6.744		618	582
6.788		1826	3357
6.835		2823	4928
6.912		5041	12163
6.961		736	472
6.978		583	289

LANCASTER LABORATORIES

Sample Number: 9004810ACF DF5 ACA5311 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 7:48:51 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.047		2435	5609
2.117		2875	5183
2.162		4407	6662
2.21		2586	4296
2.233		2511	2717
2.283		2306	3249
2.367		10146	10323
2.417		1337	1156
2.467		2639	7784
2.552		13008	9822
2.596		1749	1035
2.619	TCX	956300	617969
2.711		2188	2216
2.761		1948	6250
2.816		4704	6589
2.872		1964	5477
2.918		6957	3135
2.928		21843	9960
2.983		1139	705
3.018		2108	3715
3.044		1582	1168
3.077		1468	1125
3.116		4961	4448
3.148		3129	3597
3.194		4221	6012
3.235		26170	17473
3.279		4187	4517
3.338		42019	34346
3.367		3822	2532
3.397		11015	8112
3.417		76303	48835
3.448		126513	85162
3.497		11991	8982
3.542		77686	46918
3.566		105602	56231
3.584		284236	166718
3.654		4069	3017
3.671		23088	13708
3.693		9887	4993
3.715		30952	32538
3.76		67826	52126
3.798		23457	15689
3.841		9639	10137
3.872		24190	14507
3.894		179980	123622
3.92		61451	34651
3.94		92104	53914
3.96		98076	63671
3.995		359007	251564
4.026		155217	102175
4.043		23646	10106
4.065		37535	25464
4.108		24804	26688
4.14		89009	61078

RT B	Compound B	Height B	Area B
4.16		18726	12727
4.196		175395	131221
4.231		77042	72012
4.258		377459	420991
4.296		78588	72477
4.349		520383	484396
4.386		50364	45431
4.419		333805	233374
4.443		145628	106028
4.485		700886	581678
4.542		2663	1712
4.588		464516	463365
4.638		308174	254249
4.679		179513	155781
4.715		890903	745730
4.749		302338	210712
4.786		243424	192315
4.862		49590	39321
4.886		46600	29689
4.904		26866	16415
4.937		367546	291610
4.961		148439	105810
5.011		239703	216546
5.046		130812	106891
5.076		89848	71135
5.108		70538	44384
5.131		1097343	899547
5.173		37472	29196
5.202		34653	28037
5.321		10408	6901
5.345		211087	176047
5.388		765404	843615
5.543		19193	16623
5.589		32015	24220
5.612		11108	7394
5.661		150000	130933
5.768		342116	288356
5.799		23402	18215
5.878		2174	2962
5.968		94742	83045
6.061		1254	813
6.128	DCB	1286426	1175211
6.243		1683	2654
6.306		3000	2649
6.331		3427	2843
6.441		1030	836
6.491		1014	584
6.559		57711	60291
6.617		1898	2053
6.689		962	1922
6.908		2652	4975

9004810ACF DF5 ACA5311 T 171450004A 10225 SW-846 8082

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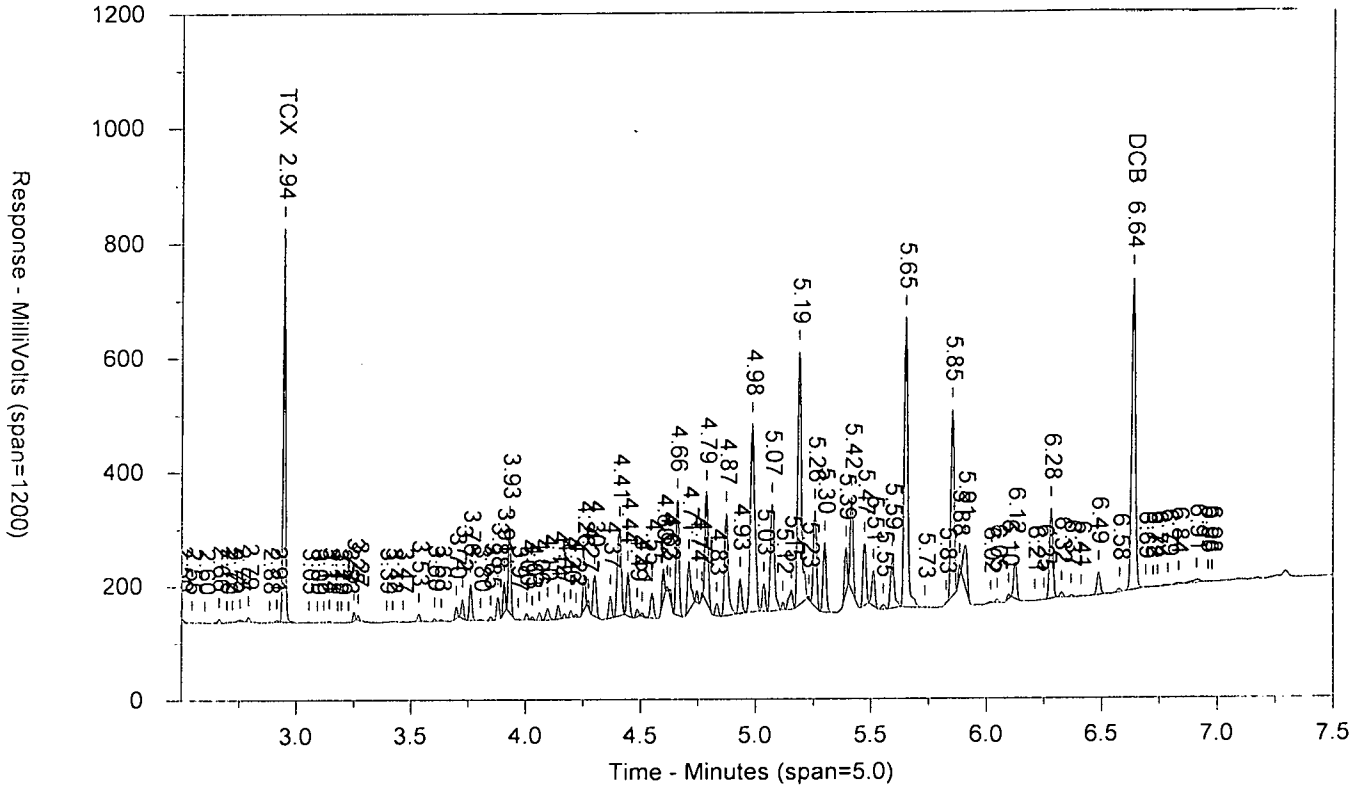

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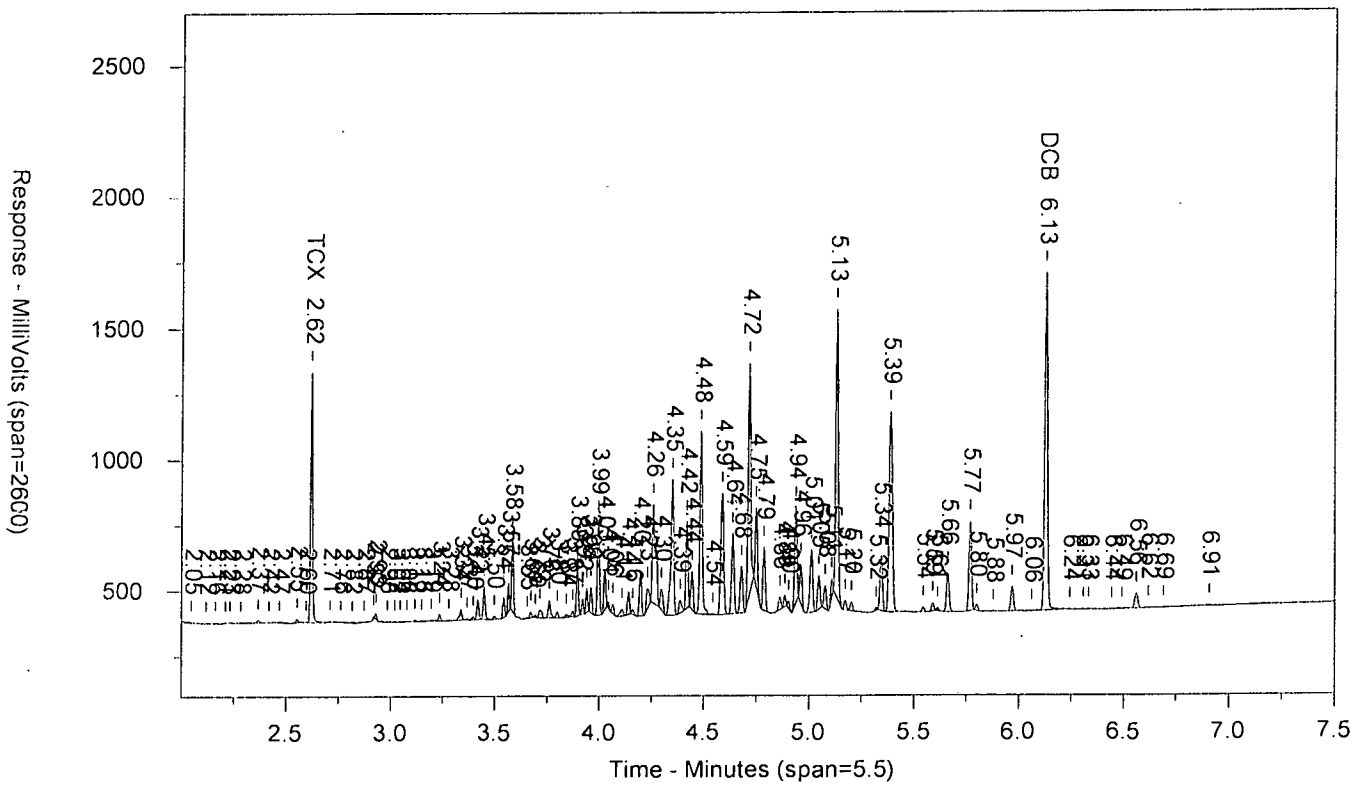

LANCASTER LABORATORIES

Sample Number: 9004810ACF DF5 ACA5311 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 7:48:51 PM Sample Weight: 10.24
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	691888	24.17	TCX	2.619	956300	24.521	TCX
6.636	547098	26.799	DCB	6.128	1286426	26.646	DCB

Files:
Area File: 25pcbs17116021.030.RAW
Area File: 25pcbs17116021B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 7:57:22 PM
File Reported On: 5/26/2017 at 7:57:32 PM

9004810ACF DF5 ACA5311 T 171450004A 10225 SW-846 8082

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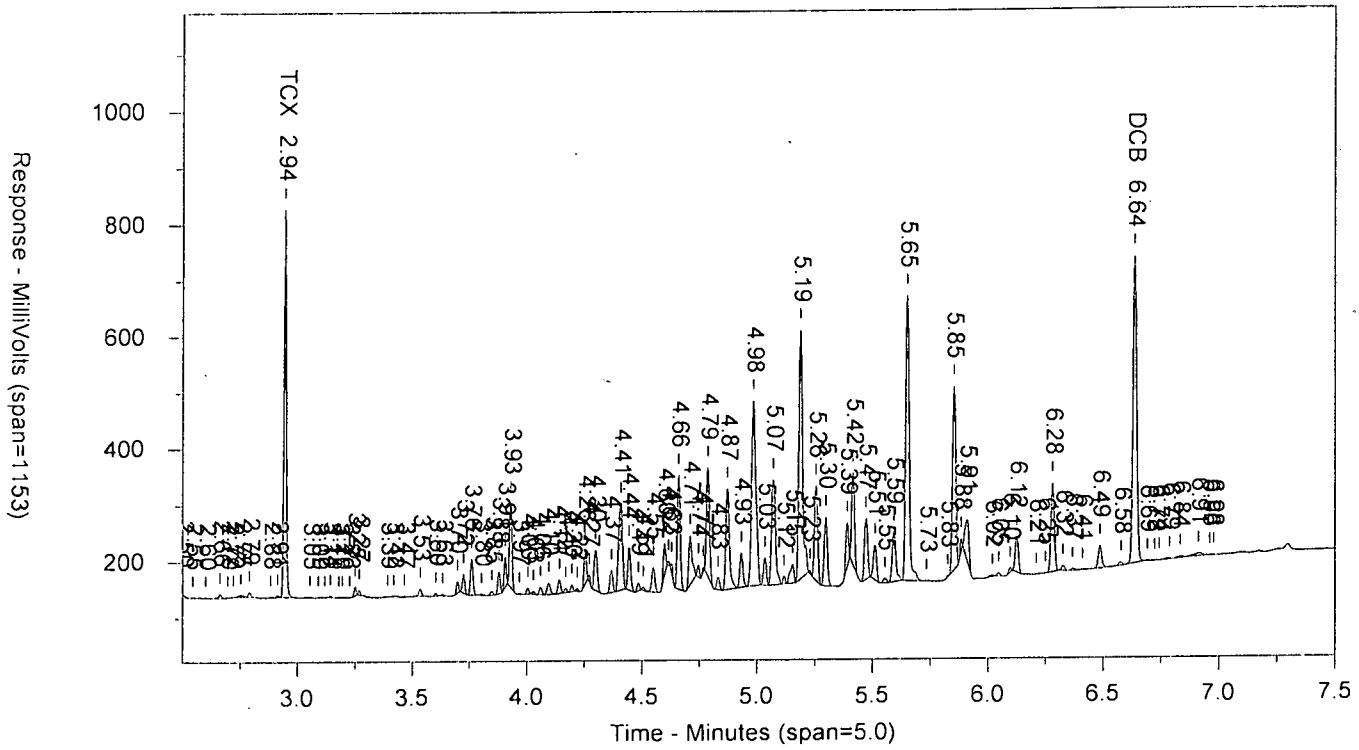

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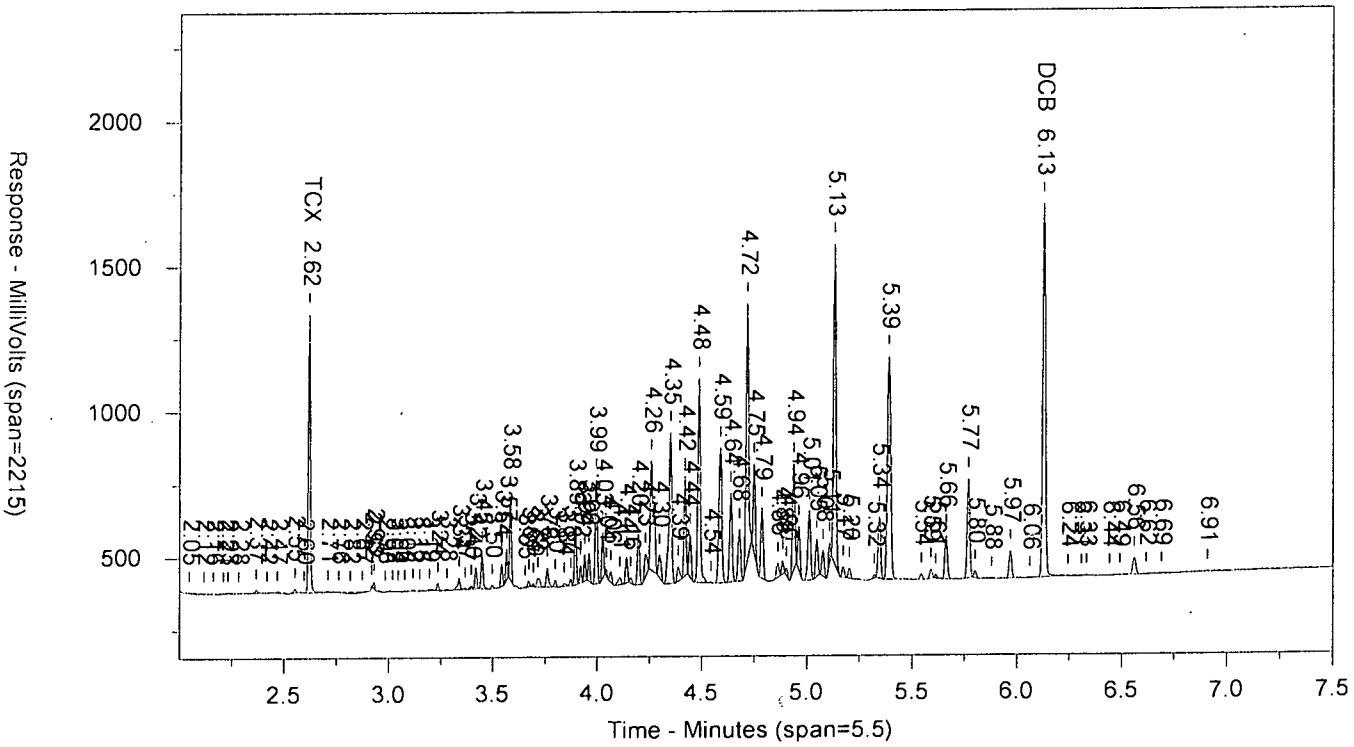

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Data Summary

Sample Name: 9004811 ACF DF20 A5312 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.05 g Total Volume: 200 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 20:00:20
Instrument	18274A
Result file	25PCBS17116021.031.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 90% (61 - 152) Conc: 26.1136
%SSR(DCB) 112% (48 - 164) Conc: 32.51132

Analysis Report (B)

Injected on	May 26, 2017 20:00:20
Instrument	18274B
Result file	25PCBS17116021B.031.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 91% (61 - 152) Conc: 26.4591
%SSR(DCB) 110% (48 - 164) Conc: 32.12933

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.95	2.97	183413	26.1136
Decachlorobiphenyl	6.61	6.64	6.67	162852	32.51132

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	253187	26.4591
Decachlorobiphenyl	6.10	6.13	6.16	380587	32.12933

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	26.4591				1.31	
☑ Decachlorobiphenyl	A	32.51132				1.18	

Multiple Component Data

Aroclor-1260 (%RSD 29.72)

Min	RT	Max	Height	Amount	Pks	Peak
4.76	4.79	4.80	578369.9	2379.52437		1
5.05	5.07	5.09	637791.5	4528.822719		2
5.23	5.26	5.27	405793.2	2454.630914		3
5.40	5.42	5.44	427728.8	2374.375835		4
5.63	5.65	5.67	1295287	2651.993367		5
5.83	5.85	5.87	768959	2577.680476		6

Height summation: **4113929.4**
Concentration CF: **2827.837947** L:

Aroclor-1260 (%RSD 10.82)

Min	RT	Max	Height	Amount	Pks	Peak
4.33	4.35	4.37	1563126	2962.301693		1
4.47	4.49	4.51	1960012	3242.681053		2
4.57	4.59	4.61	1396320	2691.06539		3
4.92	4.94	4.96	1029263	2475.779292		4
5.11	5.13	5.15	2805498	2736.457407		5
5.37	5.39	5.41	1994606	3243.503343		6

Height summation: **10748825**
Concentration CF: **2891.964696** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<1014.9254	<197.0149			4	
☑ PCB-1221			<1014.9254	<304.4776			3	
☑ PCB-1232			<1014.9254	<244.7761			4	
☑ PCB-1242			<1014.9254	<244.7761			4	
☑ PCB-1248			<1014.9254	<197.0149			4	
☑ PCB-1254			<1014.9254	<262.6866			4	
☑ PCB-1260	B	2891.964696	1014.9254	232.8358		2.24	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004811** ACF DF20 A5312 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.05 g Total Volume: 200 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:00:20
Instrument : CP25--18274A
Result file : 25PCBS17116021.031.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 90% (61-152) Conc.: 26.1136
%SSR(DCB) : 112% (48-164) Conc.: 32.51132

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**144.57**	
3.18	3.20	3.22	1149.45	9.822078			1
3.40	3.40	3.44	7830.246	70.495171			2
3.51	3.53	3.55	3876.985	27.552067			3
3.73	3.76	3.77	12353.14	72.253867			4
3.79	3.81	3.83	3790.644	24.821866			5
3.98	4.00	4.02	41093.21	381.2986			6
Height Summation:			**70093.675**				
Amount Avg CF:			**97.707275**	Linear:			
Aroclor-1221					**3**	**93.17**	
3.07	3.09	3.11	615.1622	10.791412			1
+ 3.07	3.11	3.11	548.296	9.61842			1
3.13	3.14	3.17	2094.126	40.018759			2
3.18	3.20	3.22	1149.45	7.177118			3
Height Summation:			**3858.7382**				
Amount Avg CF:			**19.329096**	Linear:			
Aroclor-1232					**6**	**154.05**	
3.18	3.20	3.22	1149.45	8.032128			1
3.40	3.40	3.44	7830.246	147.528595			2
3.52	3.53	3.56	3876.985	55.519765			3
3.74	3.76	3.78	12353.14	144.249742			4
3.79	3.81	3.83	3790.644	53.201055			5
3.99	4.00	4.03	41093.21	882.151257			6
Height Summation:			**70093.675**				
Amount Avg CF:			**215.113757**	Linear:			
Aroclor-1242					**6**	**144.29**	
3.18	3.20	3.22	1149.45	11.574046			1
3.40	3.40	3.44	7830.246	84.994189			2
3.51	3.53	3.55	3876.985	32.999102			3
3.73	3.76	3.77	12353.14	86.760328			4
3.79	3.81	3.83	3790.644	31.048141			5
3.98	4.00	4.02	41093.21	458.379159			6
Height Summation:			**70093.675**				
Amount Avg CF:			**117.625828**	Linear:			
Aroclor-1248					**6**	**155.60**	
3.79	3.81	3.83	3790.644	43.286253			1
3.86	3.88	3.90	70663.52	513.873271			2
3.98	4.00	4.02	41093.21	258.411267			3
4.07	4.09	4.11	32928.94	240.634852			4
4.25	4.26	4.29	209950.5	1541.720722			5
+ 4.25	4.27	4.29	23235.5	170.624275			5
4.64	4.66	4.68	610415.1	5487.106385			6
Height Summation:			**968841.914**				
Amount Avg CF:			**1347.505458**	Linear:			
Aroclor-1254					**6**	**58.73**	
4.24	4.26	4.28	209950.5	1433.507766			1
+ 4.24	4.27	4.28	23235.5	158.648204			1
4.58	4.60	4.62	226232.4	1301.393838			2
4.64	4.66	4.68	610415.1	1816.003899			3
4.77	4.79	4.81	578369.9	5324.715914			4
4.86	4.87	4.89	593358.3	2400.029556			5
5.05	5.07	5.09	637791.5	3468.514863			6
Height Summation:			**2856117.7**				
Amount Avg CF:			**2624.027639**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:00:20
Instrument : CP25--18274B
Result file : 25PCBS17116021B.031.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 91% (61-152) Conc.: 26.4591
%SSR(DCB) : 110% (48-164) Conc.: 32.12933

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**100.76**	
3.22	3.24	3.26	9341.075	42.629994			2
+ 3.41	3.42	3.45	15964.9	64.454312			3
3.41	3.45	3.45	22594.37	91.219147			3
3.49	3.51	3.53	6055.483	23.499216			4
3.65	3.67	3.69	88510.52	423.816209			5
3.74	3.76	3.78	72902.59	382.054674			6
Height Summation:			**199404.038**				
Amount Avg CF:			**192.643848**	Linear:			
Aroclor-1221					**1**		
2.77	2.79	2.81	5665.439	66.352782			1
Height Summation:			**5665.439**				
Amount Avg CF:			**66.352782**	Linear:			
Aroclor-1232					**5**	**102.37**	
3.22	3.24	3.26	9341.075	90.338979			2
+ 3.41	3.42	3.45	15964.9	143.637785			3
3.41	3.45	3.45	22594.37	203.283783			3
3.49	3.51	3.53	6055.483	52.755151			4
3.65	3.67	3.69	88510.52	1001.270991			5
3.75	3.76	3.79	72902.59	826.247664			6
Height Summation:			**199404.038**				
Amount Avg CF:			**434.779314**	Linear:			
Aroclor-1242					**5**	**99.93**	
3.22	3.24	3.26	9341.075	53.381637			2
+ 3.41	3.42	3.45	15964.9	80.249949			3
3.41	3.45	3.45	22594.37	113.573968			3
3.49	3.51	3.53	6055.483	29.833634			4
3.65	3.67	3.69	88510.52	521.563327			5
3.74	3.76	3.78	72902.59	449.250043			6
Height Summation:			**199404.038**				
Amount Avg CF:			**233.520522**	Linear:			
Aroclor-1248					**6**	**156.34**	
+ 3.41	3.42	3.45	15964.9	161.157013			1
3.41	3.45	3.45	22594.37	228.07792			1
3.52	3.54	3.56	141032.5	557.263271			2
3.65	3.67	3.69	88510.52	292.42406			3
3.74	3.76	3.78	72902.59	315.360555			4
3.88	3.89	3.92	580845.3	1249.442771			5
4.24	4.26	4.28	1300494	5905.7868			6
Height Summation:			**2206379.28**				
Amount Avg CF:			**1424.725896**	Linear:			
Aroclor-1254					**6**	**61.46**	
4.18	4.20	4.22	593940	1538.963038			1
4.24	4.26	4.28	1300494	1835.425924			2
4.33	4.35	4.37	1563126	4804.948457			3
4.40	4.42	4.44	1241507	2620.534592			4
4.47	4.49	4.51	1960012	7461.180525			5
4.62	4.64	4.66	1188788	3439.879931			6
Height Summation:			**7847867**				
Amount Avg CF:			**3616.822078**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004811** ACF DF20 A5312 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.05 g Total Volume: 200 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:00:20
Instrument : CP25--18274A
Result file : 25PCBS17116021.031.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	29.72	
4.76	4.79	4.80	578369.9	2379.52437			1
5.05	5.07	5.09	637791.5	4528.822719			2
5.23	5.26	5.27	405793.2	2454.630914			3
5.40	5.42	5.44	427728.8	2374.375835			4
5.63	5.65	5.67	1295287	2651.993367			5
5.83	5.85	5.87	768959	2577.680476			6
Height Summation:			**4113929.4**				
Amount Avg CF:			**2827.837947**	Linear:			
Aroclor-1262					6	27.02	
5.23	5.26	5.27	405793.2	1375.483673			1
5.40	5.42	5.44	427728.8	1683.787604			2
5.63	5.65	5.67	1295287	1977.859342			3
5.83	5.85	5.87	768959	1914.061793			4
5.89	5.91	5.93	157114.4	853.176716			5
6.26	6.28	6.30	339006.7	1426.030375			6
Height Summation:			**3393889.1**				
Amount Avg CF:			**1538.399917**	Linear:			
Aroclor-1268					6	94.86	
5.83	5.85	5.87	768959	1083.982841			1
5.89	5.91	5.93	157114.4	243.403683			2
6.03	6.05	6.07	10567.28	17.627146			3
+ 6.09	6.10	6.13	21500.95	137.872339			4
6.09	6.13	6.13	143265.7	918.674624			4
6.26	6.28	6.30	339006.7	1334.152043			5
6.47	6.49	6.51	84097.55	40.304748			6
Height Summation:			**1503010.63**				
Amount Avg CF:			**606.357514**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:00:20
Instrument : CP25--18274B
Result file : 25PCBS17116021B.031.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	10.82	
4.33	4.35	4.37	1563126	2962.301693			1
4.47	4.49	4.51	1960012	3242.681053			2
4.57	4.59	4.61	1396320	2691.06539			3
4.92	4.94	4.96	1029263	2475.779292			4
5.11	5.13	5.15	2805498	2736.457407			5
5.37	5.39	5.41	1994606	3243.503343			6
Height Summation:			**10748825**				
Amount Avg CF:			**2891.964686**	Linear:			
Aroclor-1262					6	31.22	
4.73	4.75	4.77	702416.4	1057.108305			1
4.92	4.94	4.96	1029263	1566.269147			2
5.11	5.13	5.15	2805498	2040.133223			3
5.33	5.34	5.36	535193.6	1035.053584			4
5.37	5.39	5.41	1994606	2222.187757			5
5.75	5.77	5.79	772235.4	1498.02473			6
Height Summation:			**7839212.4**				
Amount Avg CF:			**1569.796124**	Linear:			
Aroclor-1268					6	123.09	
5.33	5.34	5.37	535193.6	327.63652			1
5.37	5.39	5.41	1994606	1255.558913			2
5.53	5.54	5.57	34332.25	24.840353			3
5.59	5.61	5.63	18456.98	54.231761			4
5.75	5.77	5.79	772235.4	1341.45267			5
5.95	5.97	5.99	185002.1	37.694105			6
Height Summation:			**3539826.33**				
Amount Avg CF:			**506.902387**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1014.9253	197.0149		** 65.39	4	40	
Aroclor-1221			1014.9253	304.4776		** 109.76	3	5	
Aroclor-1232			1014.9253	244.7761		** 67.60	4	10	
Aroclor-1242			1014.9253	244.7761		** 66.01	4	30	
Aroclor-1248			1014.9253	197.0149		5.57	4	40	
Aroclor-1254			1014.9253	262.6865		31.82	4	40	
Aroclor-1260			1014.9253	232.8358		2.24	4	40	
Aroclor-1262			1014.9253	197.0149		2.02	4	40	
Aroclor-1268			1014.9253	197.0149		17.87	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004811ACF DF20 ACA5312 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:00:20 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.014		633	488
2.053		6658	8427
2.089		5299	7886
2.146		2156	2982
2.213		68439	54641
2.34		4459	3926
2.376		1792	1702
2.503		2523	3028
2.539		734	947
2.576		1051	708
2.602		4336	3204
2.664		34047	29039
2.699		964	860
2.762		3907	8456
2.82		1138	801
2.89		853	753
2.918		1074	982
2.945	TCX	183413	128703
3.054		2901	2265
3.089		615	495
3.109		548	446
3.143		2094	2084
3.198		1149	604
3.228		435	198
3.251		200858	130741
3.268		12951	5547
3.356		438	221
3.399		7830	11054
3.466		1243	975
3.499		891	799
3.535		3877	4368
3.611		849	853
3.633		912	780
3.702		796	427
3.725		8710	8377
3.761		12353	10122
3.81		3791	4000
3.849		1920	1816
3.88		70664	54544
3.907		26701	18074
3.93		31212	21076
3.97		461	194
4.004		41093	31480
4.029		6101	3674
4.06		11952	8829
4.095		32929	29614
4.138		8217	8842
4.169		1437	903
4.197		10422	7743
4.22		7256	4752
4.256		209951	158173
4.273		23236	11902
4.298		124264	106047
4.368		73914	61524

RT A	Compound A	Height A	Area A
4.411		411153	473752
4.446		194907	166373
4.486		12722	8868
4.508		21911	16710
4.55		154709	146914
4.6		226232	205801
4.63		83779	57522
4.661		610415	552610
4.711		198380	210231
4.745		101761	78041
4.787		578370	579334
4.832		70770	63260
4.873		593358	591018
4.905		7513	4345
4.933		142453	158512
4.985		870223	1102255
5.036		121072	106208
5.071		637792	757760
5.118		39624	27850
5.154		87822	108064
5.188		1265221	1299653
5.228		18834	8950
5.255		405793	381072
5.298		289649	289369
5.392		236583	185969
5.416		427729	353850
5.472		242257	234347
5.51		149241	155077
5.554		18792	19770
5.591		248228	297674
5.651		1295287	1340039
5.736		1991	2118
5.77		1135	654
5.794		1529	1623
5.854		768959	758258
5.884		53855	33387
5.909		157114	189440
5.955		672	331
6.021		2845	2620
6.046		10567	9475
6.096		21501	16544
6.125		143266	141948
6.231		669	332
6.255		1798	1351
6.282		339007	349391
6.327		23541	22811
6.378		888	570
6.408		563	401
6.486		84098	90158
6.575		814	1456
6.636	DCB	162852	182568
6.672		3590	2468
6.729		528	221
6.748		485	138
6.791		2267	3932
6.836		2177	3247
6.931		5878	15821
6.97		1388	1420

LANCASTER LABORATORIES

Sample Number: 9004811ACF DF20 ACA5312 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:00:20 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.047		3273	2450
2.071		3042	2232
2.099		3876	8708
2.16		8612	8748
2.194		2120	1448
2.234		5537	10397
2.286		3345	3459
2.313		2728	2971
2.367		48987	47513
2.425		1314	958
2.475		5471	7259
2.515		2977	2834
2.544		3290	3473
2.577		3159	4283
2.619	TCX	253187	162073
2.713		4286	5696
2.764		1755	1172
2.786		5665	4881
2.818		5860	10821
2.875		2181	1617
2.928		319387	237467
2.979		1748	1075
3.045		2418	2083
3.079		1637	954
3.104		2642	1441
3.14		1674	1188
3.183		1428	947
3.204		3956	4022
3.236		9341	7639
3.273		3564	3991
3.339		2954	3736
3.368		1896	1518
3.397		11156	8029
3.417		15965	9908
3.448		22594	14929
3.507		6055	5401
3.543		141033	88233
3.566		63277	34950
3.584		66279	37435
3.617		3216	2259
3.671		88511	56844
3.694		17157	8774
3.715		25076	18433
3.761		72903	52509
3.801		18344	13948
3.842		14374	13512
3.872		100152	60305
3.894		580845	390672
3.92		194604	119623
3.94		68683	36580
3.96		162895	107693
3.995		873949	613745
4.027		436010	281727
4.044		86560	37238

RT B	Compound B	Height B	Area B
4.105		59958	48102
4.14		320743	250950
4.197		593940	456873
4.231		280423	238664
4.257		1300494	1171099
4.296		232361	236835
4.349		1563127	1231869
4.386		154108	121577
4.419		1241507	869738
4.443		329739	229892
4.486		1960012	1597728
4.542		3373	2163
4.588		1396320	1353094
4.637		1188788	946965
4.679		449992	393305
4.716		2561821	2122725
4.749		702416	491701
4.787		606128	473178
4.846		6183	3740
4.861		10865	6867
4.886		143731	96140
4.903		71655	40716
4.937		1029263	785534
4.961		471724	324227
5.011		588491	537770
5.046		321471	259719
5.076		220607	177921
5.108		241660	156416
5.131		2805498	2296208
5.172		60271	42518
5.202		89993	73994
5.242		2946	2178
5.267		4124	2972
5.299		2094	898
5.321		29649	17141
5.345		535194	443736
5.389		1994606	2128774
5.544		34332	29721
5.589		72593	54619
5.613		18457	10835
5.634		6858	3798
5.661		337262	289202
5.701		3106	3173
5.742		11515	7197
5.768		772235	657323
5.8		51738	38741
5.891		3053	2573
5.968		185002	171170
6.128	DCB	380587	350836
6.165		13944	11396
6.259		3057	2477
6.306		3463	2617
6.335		2544	2281
6.367		3589	2849
6.399		9111	7762
6.495		3040	3395
6.555		14066	13800
6.612		7596	8305
6.666		2569	5212
6.767		1672	2137
6.911		2957	3755

9004811ACF DF20 ACA5312 T 171450004A 10225 SW-846 8082

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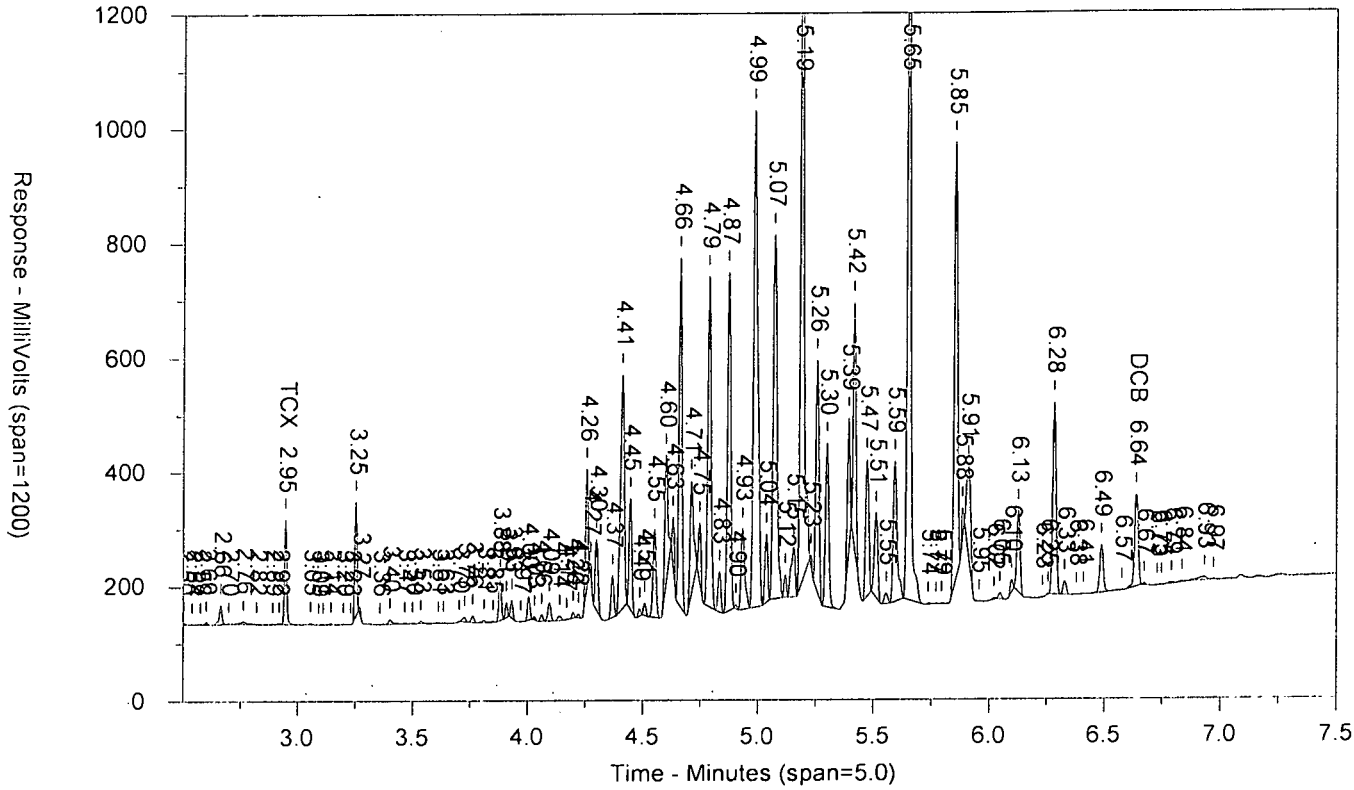

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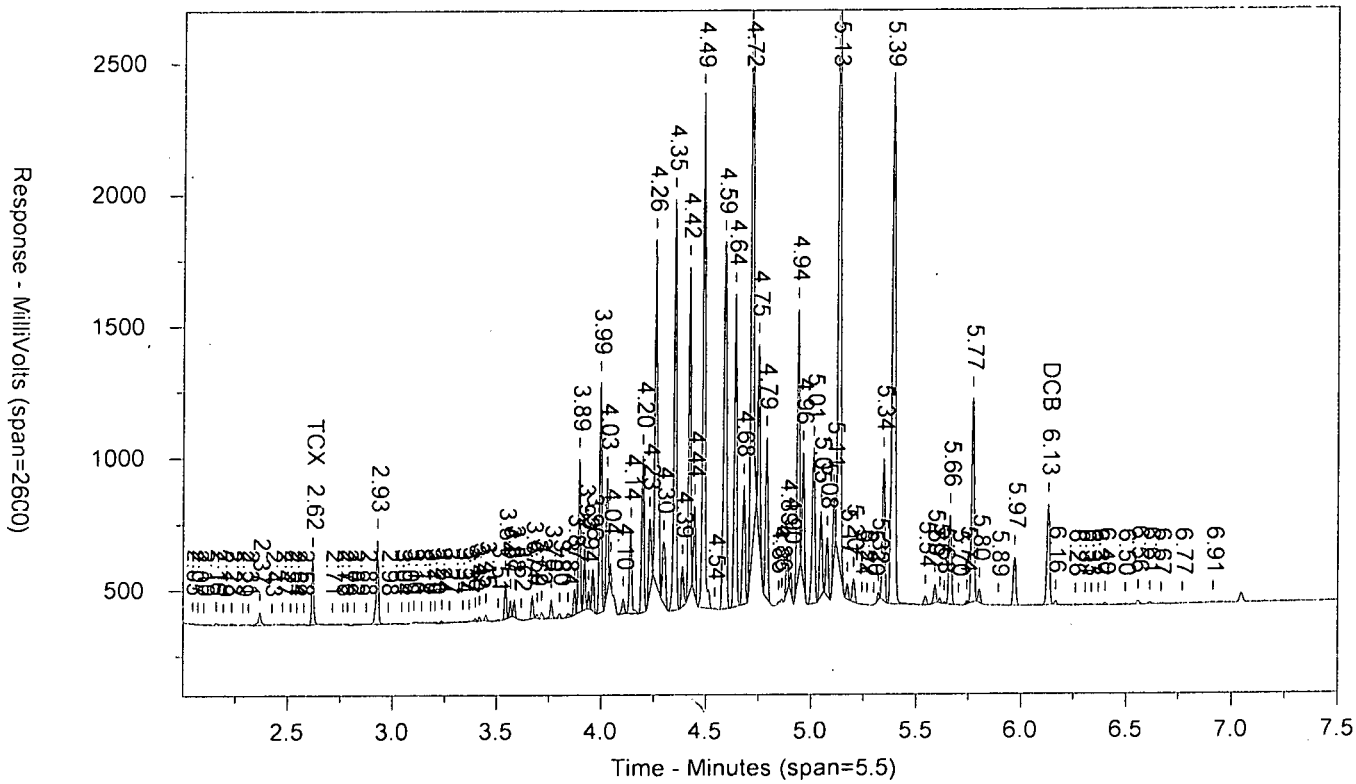

LANCASTER LABORATORIES

Sample Number: 9004811ACF DF20 ACA5312 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:00:20 PM Sample Weight: 10.05
Instrument ID: CP25-18274 Dilution Factor: 200
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	183413	26.114	TCX	2.619	253187	26.459	TCX
6.636	162852	32.511	DCB	6.128	380587	32.129	DCB

Files:
Area File: 25pcbs17116021.031.RAW
Area File: 25pcbs17116021B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 8:08:51 PM
File Reported On: 5/26/2017 at 8:09:00 PM

9004811ACF DF20 ACA5312 T 171450004A 10225 SW-846 8082

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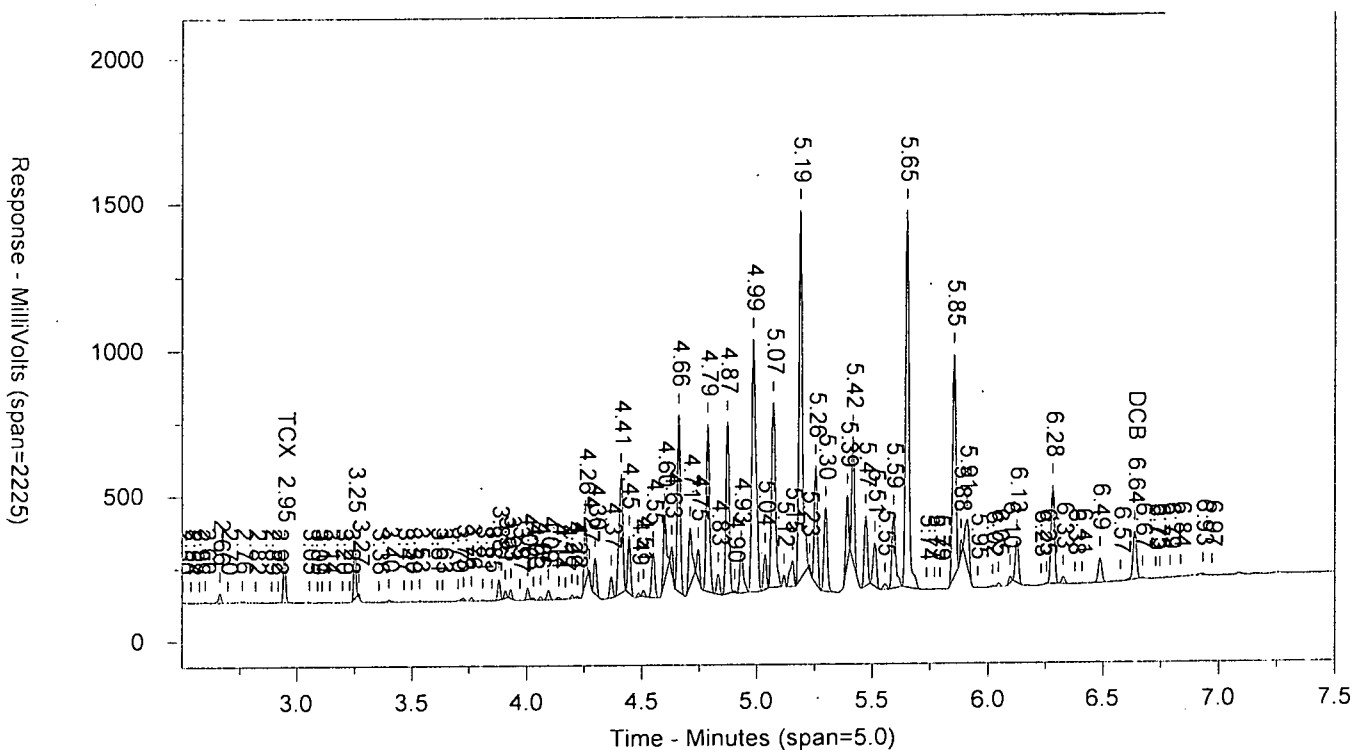

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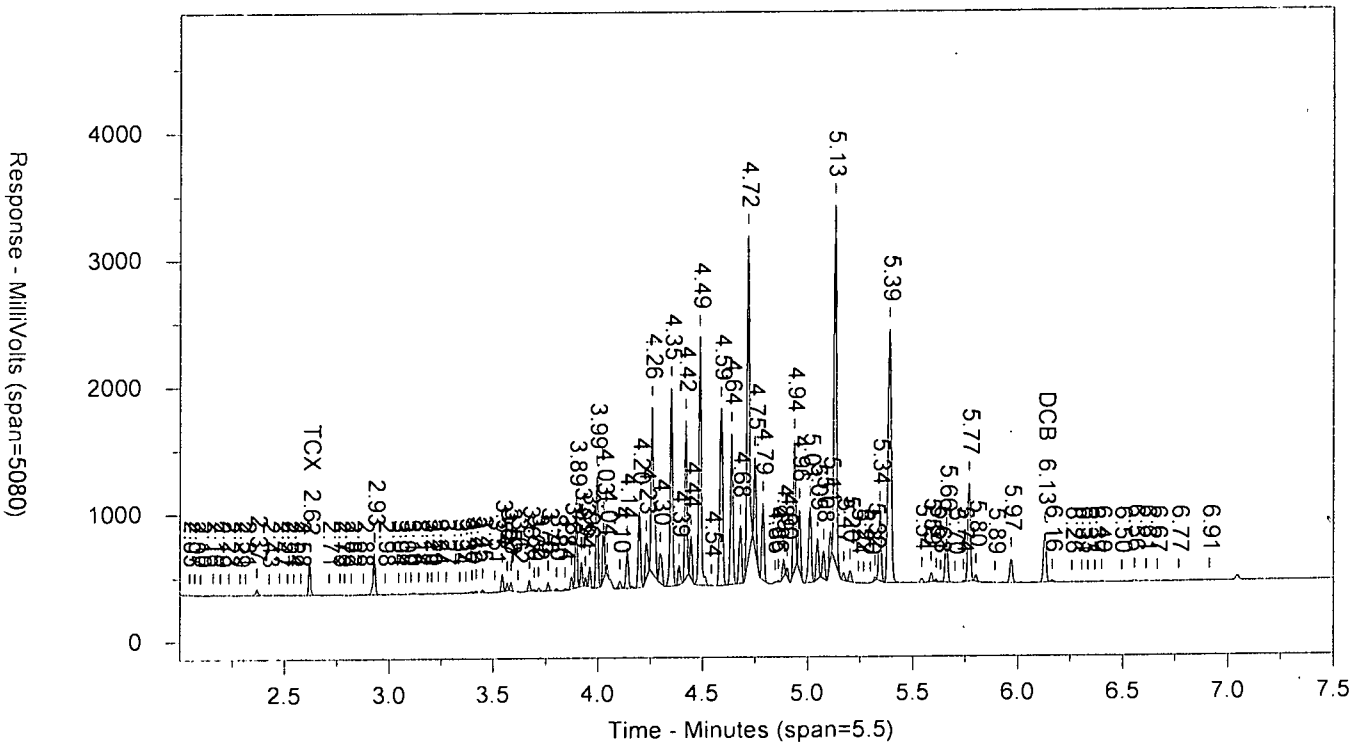

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Data Summary

Sample Name: 9004812 ACF DF20 A5313 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.31 g Total Volume: 200 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 20:11:36
Instrument	18274A
Result file	25PCBS17116021.032.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 89% (61 - 152) Conc: 25.22556
%SSR(DCB) 120% (48 - 164) Conc: 34.00485

Analysis Report (B)

Injected on	May 26, 2017 20:11:36
Instrument	18274B
Result file	25PCBS17116021B.032.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 90% (61 - 152) Conc: 25.45258
%SSR(DCB) 112% (48 - 164) Conc: 31.70715

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	181759	25.22556
Decachlorobiphenyl	6.61	6.63	6.67	174740	34.00485

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	249857	25.45258
Decachlorobiphenyl	6.10	6.13	6.16	385303	31.70715

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	25.45258				0.90	
☑ Decachlorobiphenyl	A	34.00485				6.99	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**5.23**	
4.76	4.78	4.80	673359	2700.464918			1
5.23	5.25	5.27	473141.8	2789.845472			3
5.40	5.41	5.44	502336.7	2718.211684			4
5.63	5.65	5.67	1527137	3047.837601			5
5.83	5.85	5.87	896811.9	2930.452299			6

Height summation: **4072786.4**
Concentration CF: **2837.362395** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.87**	
4.33	4.35	4.37	1786463	3300.173117			1
4.47	4.48	4.51	2195268	3540.303113			2
4.57	4.59	4.61	1580710	2969.606392			3
4.92	4.94	4.96	1207962	2832.345532			4
5.11	5.13	5.15	3245724	3086.012725			5
5.37	5.39	5.41	2289384	3628.969086			6

Height summation: **12305511**
Concentration CF: **3226.234994** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<989.3308	<192.0466			4	
☑ PCB-1221			<989.3308	<296.7992			3	
☑ PCB-1232			<989.3308	<238.6033			4	
☑ PCB-1242			<989.3308	<238.6033			4	
☑ PCB-1248			<989.3308	<192.0466			4	
☑ PCB-1254			<989.3308	<256.0621			4	
☑ PCB-1260	B	3226.234994	989.3308	226.9641		12.83	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004812** ACF DF20 A5313 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.31 g Total Volume: 200 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:11:36
Instrument : CP25--18274A
Result file : 25PCBS17116021.032.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 89% (61-152) Conc.: 25.22556
%SSR(DCB) : 120% (48-164) Conc.: 34.00485

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	130.98	
3.18	3.20	3.22	1445.855	12.043297			1
+ 3.18	3.22	3.22	1281.617	10.675272			1
3.40	3.40	3.44	19439.3	170.597233			2
3.51	3.53	3.55	4212.841	29.183846			3
3.73	3.76	3.77	18864.21	107.554788			4
3.79	3.81	3.83	4464.207	28.495295			5
3.98	4.00	4.02	54795.45	495.617962			6
Height Summation:			**103221.863**				
Amount Avg CF:			**140.58207**	Linear:			
Aroclor-1221					3	67.97	
3.07	3.09	3.11	609.1932	10.417202			1
3.13	3.14	3.17	1510.593	28.139454			2
3.18	3.20	3.22	1445.855	8.800192			3
+ 3.18	3.22	3.22	1281.617	7.800558			3
Height Summation:			**3565.6412**				
Amount Avg CF:			**15.785616**	Linear:			
Aroclor-1232					5	161.12	
3.18	3.20	3.22	1445.855	9.848558			1
+ 3.18	3.22	3.22	1281.617	8.729838			1
3.52	3.53	3.56	4212.841	58.80794			3
3.74	3.76	3.78	18864.21	214.725539			4
3.79	3.81	3.83	4464.207	61.074366			5
3.99	4.00	4.03	54795.45	1146.634181			6
+ 3.99	4.03	4.03	6296.568	131.760212			6
Height Summation:			**83782.563**				
Amount Avg CF:			**298.218117**	Linear:			
Aroclor-1242					6	130.75	
3.18	3.20	3.22	1445.855	14.191466			1
+ 3.18	3.22	3.22	1281.617	12.579425			1
3.40	3.40	3.44	19439.3	205.684634			2
3.51	3.53	3.55	4212.841	34.953484			3
3.73	3.76	3.77	18864.21	129.148641			4
3.79	3.81	3.83	4464.207	35.643006			5
3.98	4.00	4.02	54795.45	595.808493			6
Height Summation:			**103221.863**				
Amount Avg CF:			**169.238287**	Linear:			
Aroclor-1248					5	177.78	
3.79	3.81	3.83	4464.207	49.692256			1
3.86	3.88	3.90	93121.94	660.115869			2
3.98	4.00	4.02	54795.45	335.88706			3
4.07	4.09	4.11	41783.23	297.639238			4
4.64	4.66	4.68	771492	6760.159387			6
Height Summation:			**965656.827**				
Amount Avg CF:			**1620.698762**	Linear:			
Aroclor-1254					6	51.56	
4.24	4.25	4.28	320300.8	2131.810302			1
4.58	4.60	4.62	287317	1611.100613			2
4.64	4.66	4.68	771492	2237.331472			3
4.77	4.78	4.81	673359	6042.891893			4
4.86	4.87	4.89	767542.7	3026.282805			5
5.05	5.07	5.09	783225.2	4152.014692			6
Height Summation:			**3603236.7**				
Amount Avg CF:			**3200.238629**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:11:36
Instrument : CP25--18274B
Result file : 25PCBS17116021B.032.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 90% (61-152) Conc.: 25.45258
%SSR(DCB) : 112% (48-164) Conc.: 31.70715

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	98.20	
3.22	3.24	3.26	10428.65	46.393154			2
+ 3.41	3.42	3.45	23236.28	91.444959			3
3.41	3.45	3.45	33553.98	132.049636			3
3.49	3.51	3.53	8304.557	31.414377			4
3.65	3.67	3.69	110898.9	517.627457			5
3.74	3.76	3.78	88613.37	452.677813			6
Height Summation:			**251799.457**				
Amount Avg CF:			**236.032487**	Linear:			
Aroclor-1221					2	25.37	
2.77	2.78	2.81	6335.67	72.331174			1
2.84	2.84	2.88	2722.06	50.323766			2
Height Summation:			**9057.73**				
Amount Avg CF:			**61.32747**	Linear:			
Aroclor-1232					5	99.93	
3.22	3.24	3.26	10428.65	98.313647			2
+ 3.41	3.42	3.45	23236.28	203.787009			3
3.41	3.45	3.45	33553.98	294.275384			3
3.49	3.51	3.53	8304.557	70.524489			4
3.65	3.67	3.69	110898.9	1222.901215			5
+ 3.65	3.69	3.69	17433.65	192.243852			5
3.75	3.76	3.79	88613.37	978.980264			6
Height Summation:			**251799.457**				
Amount Avg CF:			**532.999**	Linear:			
Aroclor-1242					5	97.41	
3.22	3.24	3.26	10428.65	58.093898			2
+ 3.41	3.42	3.45	23236.28	113.855119			3
3.41	3.45	3.45	33553.98	164.410671			3
3.49	3.51	3.53	8304.557	39.882395			4
3.65	3.67	3.69	110898.9	637.010791			5
3.74	3.76	3.78	88613.37	532.294305			6
Height Summation:			**251799.457**				
Amount Avg CF:			**286.338412**	Linear:			
Aroclor-1248					6	152.86	
+ 3.41	3.42	3.45	23236.28	228.642523			1
3.41	3.45	3.45	33553.98	330.167594			1
3.52	3.54	3.56	176706.8	680.615561			2
3.65	3.67	3.69	110898.9	357.151802			3
+ 3.65	3.69	3.69	17433.65	56.145368			3
3.74	3.76	3.78	88613.37	373.655228			4
3.88	3.89	3.92	710962.1	1490.76688			5
4.24	4.26	4.28	1544410	6836.588079			6
Height Summation:			**2665145.15**				
Amount Avg CF:			**1678.157524**	Linear:			
Aroclor-1254					6	55.71	
4.18	4.19	4.22	765091.6	1932.441898			1
4.24	4.26	4.28	1544410	2124.704365			2
4.33	4.35	4.37	1786463	5352.986753			3
4.40	4.42	4.44	1607608	3307.716499			4
+ 4.40	4.44	4.44	366277.1	753.629496			4
4.47	4.48	4.51	2195268	8145.987906			5
4.62	4.64	4.66	1499676	4230.032548			6
Height Summation:			**9398516.6**				
Amount Avg CF:			**4182.311661**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004812** ACF DF20 A5313 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.31 g Total Volume: 200 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:11:36
Instrument : CP25--18274A
Result file : 25PCBS17116021.032.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	32.53	
4.76	4.78	4.80	673359	2700.464918			1
5.05	5.07	5.09	783225.2	5421.265069			2
5.23	5.25	5.27	473141.8	2789.845472			3
5.40	5.41	5.44	502336.7	2718.211684			4
5.63	5.65	5.67	1527137	3047.837601			5
5.83	5.85	5.87	896811.9	2930.452299			6
Height Summation:			**4856011.6**				
Amount Avg CF:			**3268.012841**	Linear:			
Aroclor-1262					6	24.98	
5.23	5.25	5.27	473141.8	1563.325417			1
5.40	5.41	5.44	502336.7	1927.618649			2
5.63	5.65	5.67	1527137	2273.080374			3
5.83	5.85	5.87	896811.9	2176.013217			4
5.89	5.91	5.93	204687.6	1083.482581			5
6.26	6.28	6.30	393679.9	1614.251256			6
Height Summation:			**3997794.9**				
Amount Avg CF:			**1772.961916**	Linear:			
Aroclor-1268					6	93.15	
5.83	5.85	5.87	896811.9	1232.332727			1
5.89	5.91	5.93	204687.6	309.107886			2
6.03	6.04	6.07	14091.7	22.913402			3
+ 6.09	6.09	6.13	24140.48	150.894285			4
6.09	6.12	6.13	170348.1	1064.790542			4
6.26	6.28	6.30	393679.9	1510.245959			5
6.47	6.48	6.51	98999.09	46.249971			6
Height Summation:			**1778618.29**				
Amount Avg CF:			**697.606748**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:11:36
Instrument : CP25--18274B
Result file : 25PCBS17116021B.032.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	9.87	
4.33	4.35	4.37	1786463	3300.173117			1
4.47	4.48	4.51	2195268	3540.303113			2
4.57	4.59	4.61	1580710	2969.606392			3
4.92	4.94	4.96	1207962	2832.345532			4
5.11	5.13	5.15	3245724	3066.012725			5
5.37	5.39	5.41	2289384	3628.969086			6
Height Summation:			**12305511**				
Amount Avg CF:			**3226.234994**	Linear:			
Aroclor-1262					6	29.32	
4.73	4.75	4.77	846158.8	1241.321032			1
4.92	4.94	4.96	1207962	1791.846081			2
5.11	5.13	5.15	3245724	2300.740027			3
5.33	5.34	5.36	649535.3	1224.50927			4
5.37	5.39	5.41	2289384	2486.277897			5
5.75	5.77	5.79	894989.4	1692.367064			6
Height Summation:			**9133753.5**				
Amount Avg CF:			**1789.510228**	Linear:			
Aroclor-1268					6	121.81	
5.33	5.34	5.37	649535.3	387.606943			1
5.37	5.39	5.41	2289384	1404.772555			2
5.53	5.54	5.57	41847.64	29.514394			3
5.59	5.61	5.63	22639.18	64.84271			4
+ 5.59	5.63	5.63	9754.415	27.93841			4
5.75	5.77	5.79	894989.4	1515.482536			5
5.95	5.97	5.99	222296	44.150519			6
Height Summation:			**4120691.52**				
Amount Avg CF:			**574.394943**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			989.3307	192.0465		** 50.69	4	40	
Aroclor-1221			989.3307	296.7992		** 118.12	3	5	
Aroclor-1232			989.3307	238.6033		** 56.49	4	10	
Aroclor-1242			989.3307	238.6033		** 51.41	4	30	
Aroclor-1248			989.3307	192.0465		3.48	4	40	
Aroclor-1254			989.3307	256.0621		26.61	4	40	
Aroclor-1260			989.3307	226.9641		1.29	4	40	
Aroclor-1262			989.3307	192.0465		0.93	4	40	
Aroclor-1268			989.3307	192.0465		19.37	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004812ACF DF20 ACA5313 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:11:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		738	888
2.052		9197	11103
2.088		4560	7047
2.145		3648	2428
2.212		98724	80261
2.339		3689	3707
2.374		1622	1247
2.398		1041	1656
2.44		569	365
2.469		712	468
2.503		2349	2827
2.54		1237	1726
2.577		972	882
2.601		1534	1238
2.664		44577	36495
2.696		338	234
2.763		6956	12188
2.82		1195	1020
2.89		860	1038
2.913		612	497
2.944	TCX	181759	129103
3.03		322	270
3.052		1995	1444
3.086		609	466
3.14		1511	1690
3.197		1446	905
3.217		1282	1010
3.249		175602	113397
3.267		12560	5627
3.31		940	558
3.398		19439	22822
3.46		2674	1856
3.499		523	331
3.532		4213	3137
3.605		1773	1991
3.631		1294	1247
3.662		508	310
3.698		2066	1169
3.723		14101	12438
3.758		18864	14669
3.806		4464	4298
3.848		2014	1254
3.877		93122	71045
3.904		33578	22311
3.927		40779	28591
4.002		54795	40983
4.026		6297	3793
4.058		12690	9841
4.092		41783	37688
4.138		9360	10677
4.167		2039	1299
4.195		9469	6853
4.218		9593	6860
4.253		320301	345697

RT A	Compound A	Height A	Area A
4.295		162063	138386
4.366		92344	75090
4.408		511267	589936
4.443		239339	208155
4.483		14313	9990
4.506		29733	22214
4.547		197955	187091
4.597		287317	257938
4.628		115823	79498
4.659		771492	683841
4.708		233229	241038
4.743		124975	95366
4.784		673359	672141
4.83		89617	79155
4.87		767543	737359
4.902		9726	5678
4.931		161607	186517
4.982		997142	1262596
5.034		141916	127575
5.069		783225	936887
5.115		56478	38012
5.153		92931	122722
5.187		1460907	1513506
5.226		19639	10250
5.253		473142	451507
5.295		326933	332689
5.39		283639	232093
5.414		502337	417376
5.47		295398	267713
5.509		166549	172886
5.551		23146	22777
5.589		286942	358715
5.648		1527137	1544885
5.737		2520	2758
5.768		1234	726
5.793		2129	2360
5.852		896812	869402
5.882		67211	43052
5.908		204688	229475
5.948		1235	1021
6.018		2981	2579
6.044		14092	12795
6.094		24140	17622
6.123		170348	167054
6.251		4475	2870
6.278		393680	404616
6.323		29897	27786
6.373		1325	1085
6.408		806	1012
6.483		98999	108835
6.533		775	329
6.564		1310	1607
6.633	DCB	174740	186187
6.67		7975	6070
6.752		448	347
6.786		2704	3900
6.829		1463	1271
6.877		1585	1795
6.929		6823	11251
6.971		1334	1461

LANCASTER LABORATORIES

Sample Number: 9004812ACF DF20 ACA5313 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:11:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.026		2680	1489
2.048		5348	4086
2.074		5042	3924
2.108		6900	13993
2.163		8164	11879
2.195		4485	3073
2.22		2143	1425
2.234		4152	4891
2.288		4844	5493
2.321		6051	5258
2.367		62832	63833
2.422		1767	945
2.447		4828	5094
2.472		8349	12121
2.513		3993	3322
2.554		3395	4011
2.576		4529	6072
2.619	TCX	249857	178229
2.714		6325	8208
2.737		4051	5184
2.783		6336	6243
2.819		4519	3196
2.843		2722	2693
2.876		2115	1789
2.928		282243	208469
2.979		2372	1949
3.015		4783	6083
3.048		3747	3270
3.079		2369	1826
3.104		14083	14558
3.137		4058	3710
3.236		10429	8015
3.273		4538	4242
3.338		3237	4535
3.367		1546	1291
3.395		13777	11361
3.417		23236	14018
3.447		33554	21807
3.506		8305	7936
3.54		176707	111793
3.564		76895	41996
3.582		87342	49040
3.614		3732	2262
3.669		110899	73319
3.692		17434	8728
3.713		27782	21040
3.759		88613	64095
3.799		21321	16286
3.84		16802	15418
3.87		135837	82463
3.893		710962	467140
3.918		257783	153732
3.938		80509	44071
3.958		185543	121335

RT B	Compound B	Height B	Area B
3.993		1090125	742461
4.025		624250	719792
4.103		74405	58750
4.138		398913	309177
4.195		765092	567636
4.228		370628	300347
4.256		1544410	1422844
4.294		274462	273117
4.347		1786463	1437412
4.385		184255	146423
4.417		1607608	1085795
4.442		366277	254489
4.484		2195268	1808343
4.537		3752	2406
4.586		1580710	1563685
4.636		1499676	1207937
4.677		523358	458015
4.714		2989060	2445536
4.747		846159	585287
4.786		695745	531063
4.844		12728	7691
4.859		13641	7876
4.884		179012	117547
4.902		76821	44821
4.935		1207962	913303
4.959		549727	389113
5.009		681658	619418
5.045		346789	287947
5.075		258623	203642
5.107		306181	188438
5.128		3245724	2614500
5.17		65461	46212
5.201		110490	90235
5.241		3219	2482
5.267		6359	4508
5.32		35311	21899
5.343		649535	535873
5.387		2289384	2423382
5.486		2662	3335
5.542		41848	35922
5.587		76652	60235
5.61		22639	13778
5.632		9754	5093
5.659		393012	337847
5.697		4510	3851
5.739		18532	11779
5.766		894989	767842
5.798		61994	47344
5.888		4020	3933
5.966		222296	196787
6.027		1417	748
6.061		1934	2148
6.125	DCB	385303	357805
6.162		23065	19334
6.257		5038	4313
6.299		3824	4396
6.332		2324	1929
6.367		5131	4212
6.397		13920	11695
6.498		4379	4199
6.553		23650	24031
6.609		13228	13236
6.669		3172	3155
6.766		3599	5567
6.853		1411	742
6.902		3091	2538

9004812ACF DF20 ACA5313 T 171450004A 10225 SW-846 8082

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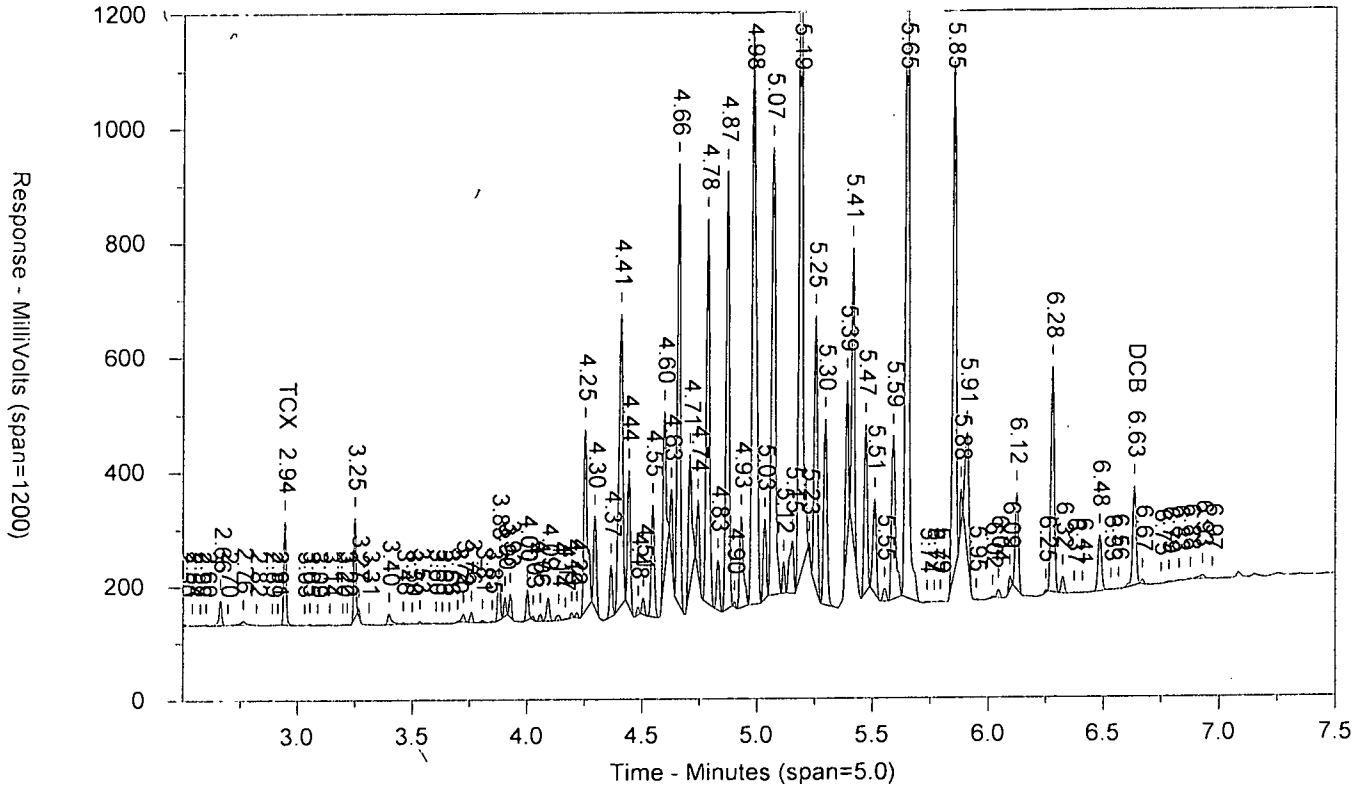

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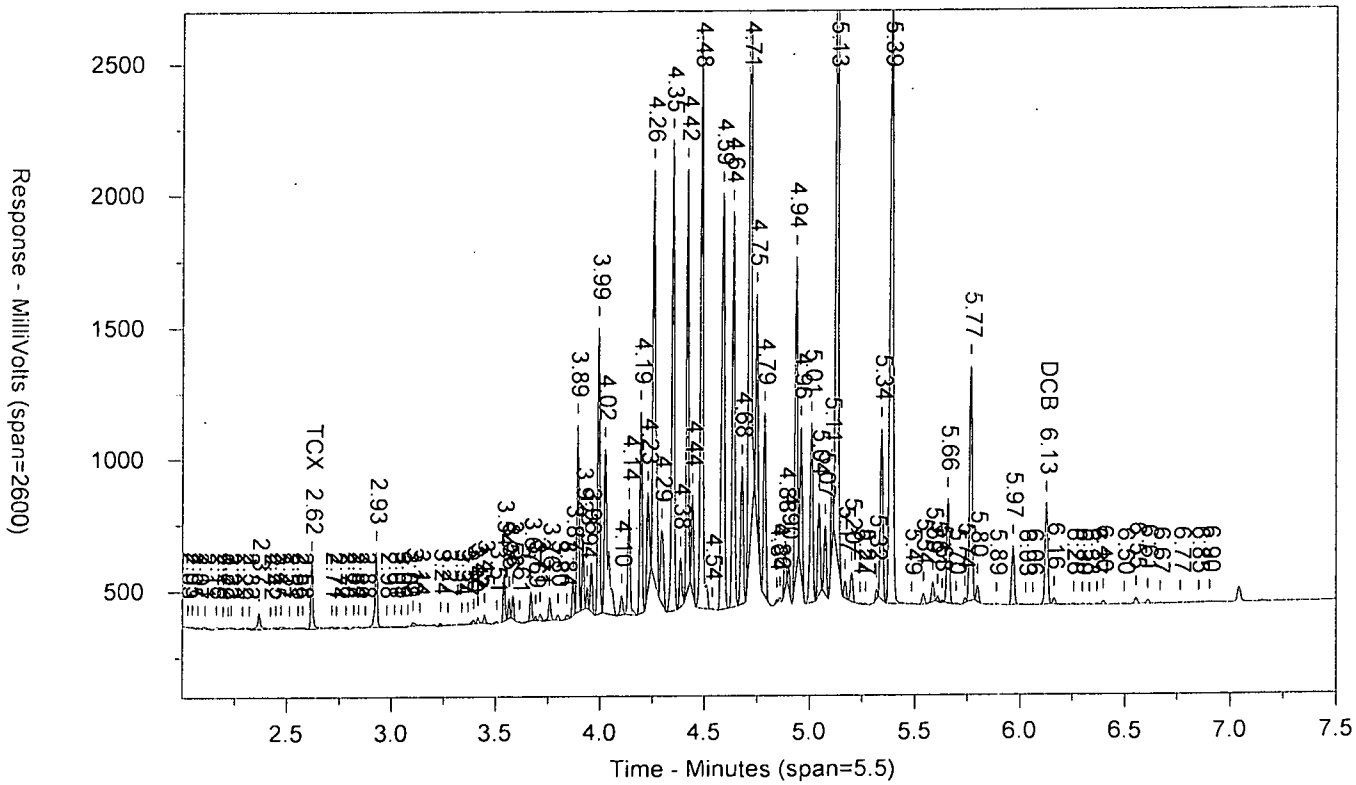

LANCASTER LABORATORIES

Sample Number: 9004812ACF DF20 ACA5313 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:11:36 PM
Sample Weight: 10.31
Instrument ID: CP25-18274
Dilution Factor: 200
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	181759	25.226	TCX	2.619	249857	25.453	TCX
6.633	174740	34.005	DCB	6.125	385303	31.707	DCB

Files:
Area File: 25pcbs17116021.032.RAW
Area File: 25pcbs17116021B.032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 8:20:09 PM
File Reported On: 5/26/2017 at 8:20:18 PM

9004812ACF DF20 ACA5313 T 171450004A 10225 SW-846 8082

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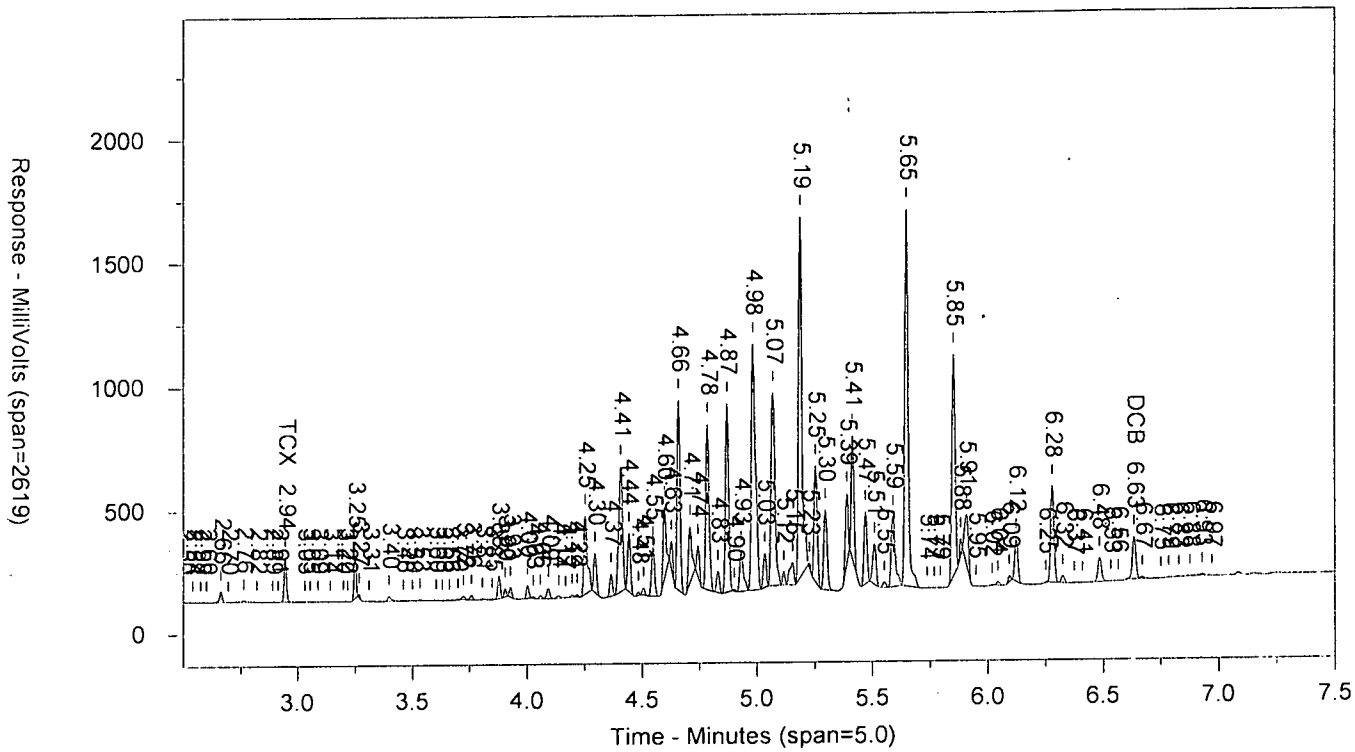

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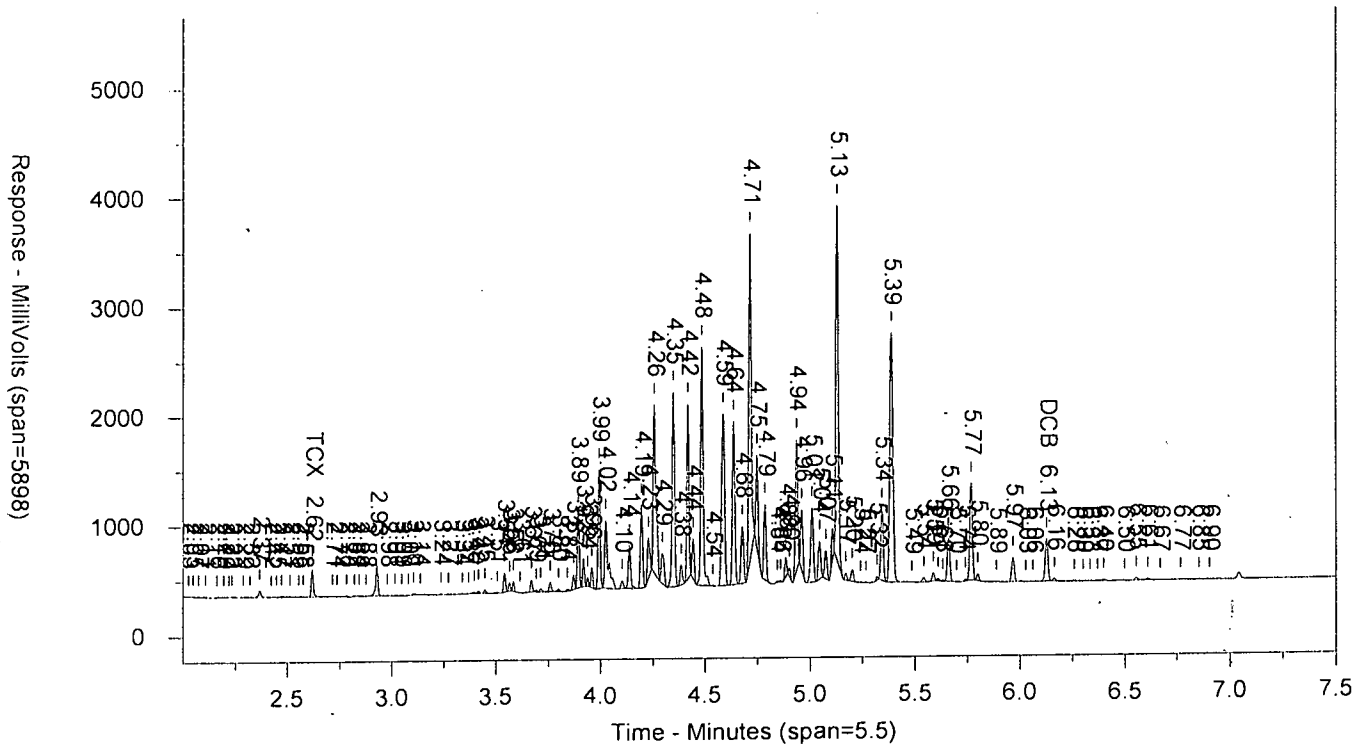

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Data Summary

Sample Name: 9004813 ACF DF10 A5314 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 20:22:57
Instrument	18274A
Result file	25PCBS17116021.033.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 91% (61 - 152) Conc: 25.93418
%SSR(DCB) 114% (48 - 164) Conc: 32.78743

Analysis Report (B)

Injected on	May 26, 2017 20:22:57
Instrument	18274B
Result file	25PCBS17116021B.033.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 94% (61 - 152) Conc: 26.88682
%SSR(DCB) 111% (48 - 164) Conc: 31.88191

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	370105	25.93418
Decachlorobiphenyl	6.61	6.63	6.67	333700	32.78743

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	522752	26.88682
Decachlorobiphenyl	6.10	6.13	6.16	767337	31.88191

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	26.88682				3.61	
☑ Decachlorobiphenyl	A	32.78743				2.80	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**5.62**	
4.76	4.78	4.80	605881.2	1226.824032			1
5.23	5.25	5.27	436870.5	1300.602181			3
5.40	5.41	5.44	427333	1167.502249			4
5.63	5.65	5.67	1329426	1339.617829			5
5.83	5.85	5.87	798201.8	1316.888256			6

Height summation: **3597712.5**
Concentration CF: **1270.286909** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.73**	
4.33	4.35	4.37	1613683	1505.094774			1
4.47	4.48	4.51	2054398	1672.786101			2
4.57	4.59	4.61	1425318	1351.952353			3
4.92	4.94	4.96	1103151	1305.962937			4
5.11	5.13	5.15	2919957	1401.733682			5
5.37	5.39	5.41	2087310	1670.530874			6

Height summation: **11203817**
Concentration CF: **1484.676787** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<499.5103	<96.9638			4	
☑ PCB-1221			<499.5103	<149.8531			3	
☑ PCB-1232			<499.5103	<120.4701			4	
☑ PCB-1242			<499.5103	<120.4701			4	
☑ PCB-1248			<499.5103	<96.9638			4	
☑ PCB-1254			<499.5103	<129.285			4	
☑ PCB-1260	B	1484.676787	499.5103	114.5935		15.56	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist
Date: MAY 30 2017

Verified by:
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004813** ACF DF10 A5314 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:22:57
Instrument : CP25--18274A
Result file : 25PCBS17116021.033.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 91% (61-152) Conc.: 25.93418
%SSR(DCB) : 114% (48-164) Conc.: 32.78743

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	126.60	
3.18	3.20	3.22	1188.141	4.996796			1
+ 3.18	3.22	3.22	832.1362	3.499597			1
3.40	3.40	3.44	15842.68	70.197709			2
3.51	3.53	3.55	5823.704	20.368999			3
3.73	3.76	3.77	21149.43	60.882534			4
3.79	3.81	3.83	4427.251	14.268092			5
3.98	4.00	4.02	50843.54	232.18879			6
Height Summation:			99274.746				
Amount Avg CF:			67.150487	Linear:			
Aroclor-1221					3	87.05	
3.07	3.11	3.11	647.2371	5.588077			1
3.13	3.14	3.17	1958.258	18.417939			2
3.18	3.20	3.22	1188.141	3.651223			3
+ 3.18	3.22	3.22	832.1362	2.5572			3
Height Summation:			3793.6361				
Amount Avg CF:			9.21908	Linear:			
Aroclor-1232					5	151.50	
3.18	3.20	3.22	1188.141	4.086193			1
+ 3.18	3.22	3.22	832.1362	2.861839			1
3.52	3.53	3.56	5823.704	41.04527			3
3.74	3.76	3.78	21149.43	121.54768			4
3.79	3.81	3.83	4427.251	30.581002			5
3.99	4.00	4.03	50843.54	537.179084			6
+ 3.99	4.03	4.03	6330.936	66.888466			6
Height Summation:			83432.066				
Amount Avg CF:			146.887846	Linear:			
Aroclor-1242					6	126.36	
3.18	3.20	3.22	1188.141	5.888076			1
+ 3.18	3.22	3.22	832.1362	4.123822			1
3.40	3.40	3.44	15842.68	84.635547			2
3.51	3.53	3.55	5823.704	24.395944			3
3.73	3.76	3.77	21149.43	73.105965			4
3.79	3.81	3.83	4427.251	17.847076			5
3.98	4.00	4.02	50843.54	279.126391			6
Height Summation:			99274.746				
Amount Avg CF:			80.833166	Linear:			
Aroclor-1248					6	151.95	
3.79	3.81	3.83	4427.251	24.881781			1
3.86	3.88	3.90	87035.25	311.505893			2
3.98	4.00	4.02	50843.54	157.357513			3
4.07	4.09	4.11	39845.01	143.30622			4
4.25	4.25	4.29	230602.7	833.419213			5
+ 4.25	4.27	4.29	40963.54	148.045974			5
4.64	4.66	4.68	664309.3	2938.994467			6
Height Summation:			1077063.051				
Amount Avg CF:			734.910848	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:22:57
Instrument : CP25--18274B
Result file : 25PCBS17116021B.033.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 94% (61-152) Conc.: 26.88682
%SSR(DCB) : 111% (48-164) Conc.: 31.88191

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	92.72	
3.22	3.24	3.26	12845.77	28.852861			2
+ 3.41	3.42	3.45	24854.54	49.385769			3
3.41	3.45	3.45	37757.99	75.02482			3
3.49	3.51	3.53	8456.577	16.151376			4
3.65	3.67	3.69	104362.2	245.943993			5
+ 3.74	3.74	3.78	3087.689	7.963912			6
3.74	3.76	3.78	87654.98	226.083818			6
Height Summation:			251077.517				
Amount Avg CF:			118.411373	Linear:			
Aroclor-1221					2	17.90	
2.77	2.78	2.81	5605.545	32.311248			1
+ 2.84	2.84	2.88	2337.971	21.823153			2
2.84	2.87	2.88	2683.718	25.050434			2
Height Summation:			8289.263				
Amount Avg CF:			28.680841	Linear:			
Aroclor-1232					5	94.31	
3.22	3.24	3.26	12845.77	61.143288			2
+ 3.41	3.42	3.45	24854.54	110.057223			3
3.41	3.45	3.45	37757.99	167.194385			3
3.49	3.51	3.53	8456.577	36.259433			4
3.65	3.67	3.69	104362.2	581.045699			5
+ 3.65	3.69	3.69	17721.36	98.665226			5
3.75	3.76	3.79	87654.98	488.938466			6
Height Summation:			251077.517				
Amount Avg CF:			266.916254	Linear:			
Aroclor-1242					5	91.70	
3.22	3.24	3.26	12845.77	36.129795			2
+ 3.41	3.42	3.45	24854.54	61.488602			3
3.41	3.45	3.45	37757.99	93.410943			3
3.49	3.51	3.53	8456.577	20.505119			4
3.65	3.67	3.69	104362.2	302.66744			5
+ 3.74	3.74	3.78	3087.689	9.364596			6
3.74	3.76	3.78	87654.98	265.847199			6
Height Summation:			251077.517				
Amount Avg CF:			143.712099	Linear:			
Aroclor-1248					6	151.36	
+ 3.41	3.42	3.45	24854.54	123.480694			1
3.41	3.45	3.45	37757.99	187.586767			1
3.52	3.54	3.56	163093.1	317.166367			2
3.65	3.67	3.69	104362.2	169.69606			3
+ 3.74	3.74	3.78	3087.689	6.573676			4
3.74	3.76	3.78	87654.98	186.617055			4
3.88	3.89	3.92	653029.9	691.35209			5
4.24	4.26	4.28	1440127	3218.700213			6
Height Summation:			2486025.17				
Amount Avg CF:			795.186425	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004813** ACF DF10 A5314 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:22:57
Instrument : CP25--18274A
Result file : 25PCBS17116021.033.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	56.07	
4.24	4.25	4.28	230602.7	774.921746			1
+ 4.24	4.27	4.28	40963.54	137.654667			1
4.58	4.60	4.62	251221.9	711.249155			2
4.64	4.66	4.68	664309.3	972.684879			3
4.77	4.78	4.81	605881.2	2745.292098			4
4.86	4.87	4.89	692737.4	1379.045284			5
5.05	5.07	5.09	751401.2	2011.161938			6
Height Summation:			**3196153.7**				
Amount Avg CF:			**1432.392517**	Linear:			
Aroclor-1260					6	37.23	
4.76	4.78	4.80	605881.2	1226.824032			1
5.05	5.07	5.09	751401.2	2625.964205			2
5.23	5.25	5.27	436870.5	1300.602181			3
5.40	5.41	5.44	427333	1167.502249			4
5.63	5.65	5.67	1329426	1339.617829			5
5.83	5.85	5.87	798201.8	1316.888256			6
Height Summation:			**4349113.7**				
Amount Avg CF:			**1496.233125**	Linear:			
Aroclor-1262					6	24.54	
5.23	5.25	5.27	436870.5	728.808985			1
5.40	5.41	5.44	427333	827.933719			2
5.63	5.65	5.67	1329426	999.088335			3
5.83	5.85	5.87	798201.8	977.858008			4
5.89	5.91	5.93	176168.9	470.828312			5
6.26	6.28	6.30	358233.6	741.646816			6
Height Summation:			**3526233.8**				
Amount Avg CF:			**791.027363**	Linear:			
Aroclor-1268					6	93.86	
5.83	5.85	5.87	798201.8	553.786354			1
5.89	5.91	5.93	176168.9	134.323105			2
6.03	6.05	6.07	13548.4	11.122877			3
+ 6.09	6.10	6.13	22788.39	71.91897			4
6.09	6.12	6.13	152130.5	480.115925			4
6.26	6.28	6.30	358233.6	693.86293			5
6.47	6.48	6.51	89850.39	21.193523			6
Height Summation:			**1588133.59**				
Amount Avg CF:			**315.734119**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:22:57
Instrument : CP25--18274B
Result file : 25PCBS17116021B.033.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	58.24	
4.18	4.20	4.22	682791.2	870.730694			1
4.24	4.26	4.28	1440127	1000.321551			2
4.33	4.35	4.37	1613683	2441.312047			3
4.40	4.42	4.44	1372680	1426.002722			4
+ 4.40	4.44	4.44	349066.2	362.625922			4
4.47	4.48	4.51	2054398	3848.962903			5
4.62	4.64	4.66	1314037	1871.357617			6
Height Summation:			**8477716.2**				
Amount Avg CF:			**1909.781256**	Linear:			
Aroclor-1260					6	10.73	
4.33	4.35	4.37	1613683	1505.094774			1
4.47	4.48	4.51	2054398	1672.786101			2
4.57	4.59	4.61	1425318	1351.952353			3
4.92	4.94	4.96	1103151	1305.962937			4
5.11	5.13	5.15	2919957	1401.733682			5
5.37	5.39	5.41	2087310	1670.530874			6
Height Summation:			**11203817**				
Amount Avg CF:			**1484.676787**	Linear:			
Aroclor-1262					6	30.39	
4.73	4.75	4.77	749046.1	554.809275			1
4.92	4.94	4.96	1103151	826.200244			2
5.11	5.13	5.15	2919957	1045.04585			3
5.33	5.34	5.36	564282.8	537.104831			4
5.37	5.39	5.41	2087310	1144.513467			5
5.75	5.77	5.79	824377.2	787.055889			6
Height Summation:			**8248124.1**				
Amount Avg CF:			**815.788259**	Linear:			
Aroclor-1268					6	122.83	
5.33	5.34	5.37	564282.8	170.015505			1
5.37	5.39	5.41	2087310	646.661867			2
5.53	5.54	5.57	37664.82	13.412253			3
5.59	5.61	5.63	20930.36	30.267747			4
5.75	5.77	5.79	824377.2	704.793587			5
5.95	5.97	5.99	199616.5	20.017209			6
Height Summation:			**3734181.68**				
Amount Avg CF:			**264.194695**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			499.5103	96.9638		** 55.25	4	40	
Aroclor-1221			499.5103	149.8531		** 102.70	3	5	
Aroclor-1232			499.5103	120.4701		** 58.01	4	10	
Aroclor-1242			499.5103	120.4701		** 56.01	4	30	
Aroclor-1248			499.5103	96.9638		7.88	4	40	
Aroclor-1254			499.5103	129.285		28.57	4	40	
Aroclor-1260			499.5103	114.5935		0.78	4	40	
Aroclor-1262			499.5103	96.9638		3.08	4	40	
Aroclor-1268			499.5103	96.9638		17.77	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004813ACF DF10 ACA5314 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:22:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.019		654	557
2.053		9133	11348
2.089		4458	6260
2.145		7944	7117
2.212		98054	78720
2.289		933	1118
2.34		4913	4843
2.376		1356	779
2.401		1166	1741
2.438		835	620
2.502		2678	3441
2.539		1165	1584
2.575		1195	996
2.6		983	838
2.664		39489	32999
2.715		329	171
2.764		4663	6193
2.818		1326	995
2.89		660	485
2.914		1014	819
2.945	TCX	370105	260310
3.004		571	315
3.028		319	227
3.052		2666	1651
3.113		647	874
3.141		1958	1805
3.198		1188	893
3.216		832	635
3.25		126478	80195
3.268		19349	9378
3.357		384	264
3.398		15843	19711
3.464		601	363
3.496		817	874
3.533		5824	4171
3.604		1865	1962
3.63		1806	1656
3.662		620	590
3.722		14109	16895
3.758		21149	16193
3.806		4427	4625
3.847		2227	1567
3.878		87035	66039
3.904		34934	23131
3.927		50278	34283
3.965		714	561
4.002		50844	38671
4.026		6331	4110
4.058		13201	10108
4.092		39845	36147
4.137		10207	10419
4.167		2432	1480
4.195		10315	7352
4.218		9335	6534

RT A	Compound A	Height A	Area A
4.254		230603	174862
4.271		40964	21342
4.295		150427	130596
4.367		83549	69000
4.409		451899	535270
4.443		216119	188150
4.484		14167	9633
4.505		24921	19271
4.548		180541	165969
4.598		251222	225775
4.628		103543	71009
4.659		664309	611998
4.709		216829	221306
4.742		113029	85715
4.785		605881	611108
4.831		79614	71504
4.871		692737	671628
4.902		7760	4495
4.932		147390	170924
4.983		900093	1151473
5.035		124193	112560
5.069		751401	841932
5.116		48862	33499
5.153		86426	113069
5.187		1279067	1374190
5.226		17966	10130
5.254		436871	406950
5.296		289568	298704
5.39		251703	202842
5.414		427333	367190
5.471		255666	244179
5.509		156663	155288
5.552		19298	19840
5.59		267288	321663
5.649		1329426	1390416
5.735		2394	2235
5.769		1423	939
5.794		1719	1330
5.852		798202	781918
5.883		53984	34948
5.909		176169	191482
5.952		1525	1313
6.019		3203	2750
6.045		13548	12008
6.095		22788	16790
6.123		152131	146757
6.157		720	699
6.228		684	481
6.253		1685	1116
6.279		358234	363768
6.325		26379	24795
6.377		912	1164
6.485		89850	97676
6.573		797	920
6.635	DCB	333700	358732
6.672		2951	1755
6.691		872	459
6.743		331	454
6.755		566	223
6.793		1836	3359
6.827		953	543
6.835		966	287
6.856		434	176
6.88		1036	1363
6.926		4530	9351
6.969		1026	781

LANCASTER LABORATORIES

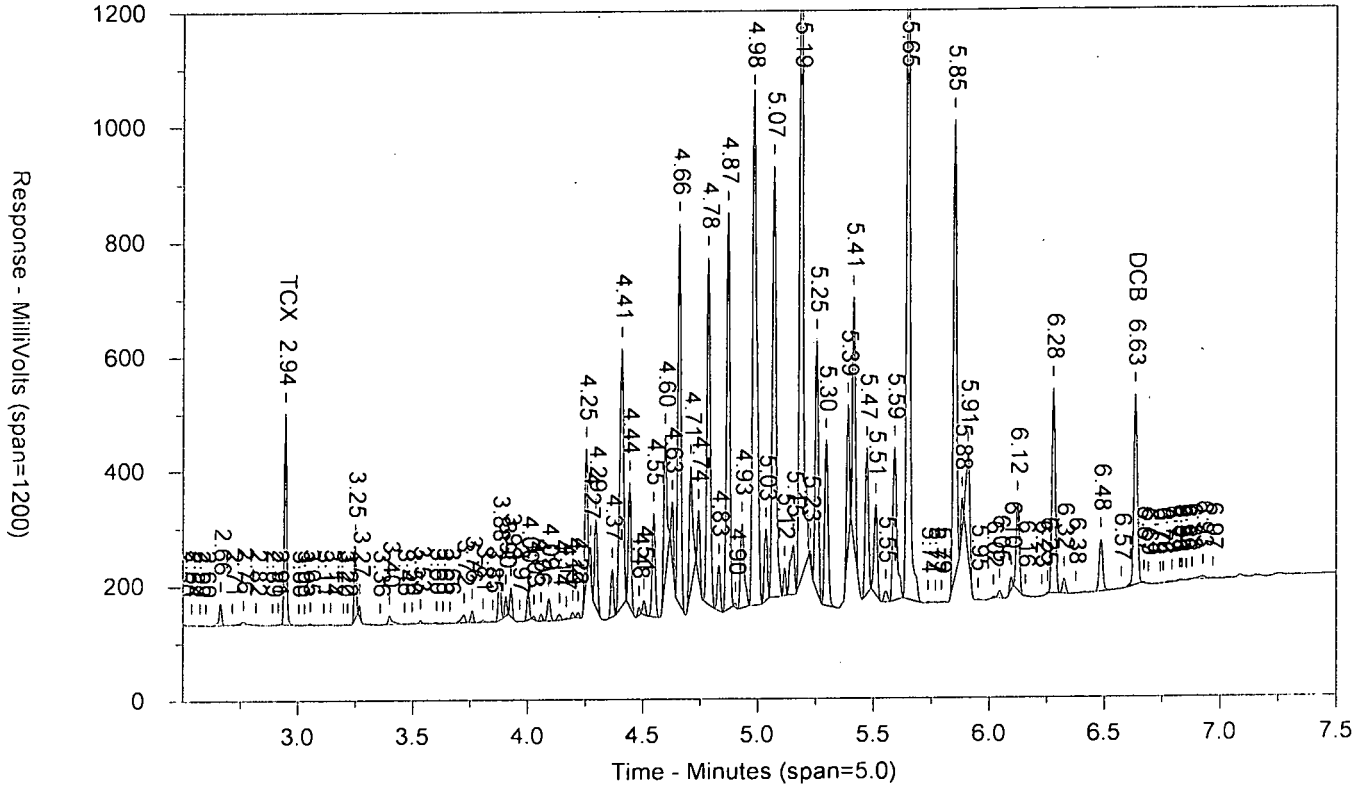
Sample Number: 9004813ACF DF10 ACA5314 T 171450004A 10225 SW-846 8082
Injected On. 5/26/2017 8:22:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.024		3011	1697
2.05		5412	4884
2.071		5556	4446
2.104		7206	14903
2.164		7534	10569
2.194		4277	2993
2.218		1946	1330
2.251		3110	1908
2.29		4383	5020
2.368		53731	42821
2.423		1602	1020
2.448		4065	4733
2.472		6802	9846
2.513		3187	2231
2.544		4092	4537
2.576		3199	4681
2.62	TCX	522752	344621
2.682		2025	1126
2.713		4746	5087
2.737		4067	3176
2.784		5606	6513
2.818		3298	2069
2.844		2338	1695
2.874		2684	1932
2.929		205907	161180
2.956		2581	1659
2.979		3385	2079
3.015		4671	6231
3.045		3921	3105
3.081		2256	1679
3.104		10670	13607
3.157		2035	3735
3.21		3833	2688
3.236		12846	11098
3.273		4586	3804
3.326		4594	6274
3.369		1908	1609
3.397		11248	8201
3.417		24855	15103
3.448		37758	24926
3.506		8457	8382
3.541		163093	103789
3.565		77615	43796
3.583		102861	57755
3.669		104362	68750
3.693		17721	9347
3.714		29384	22215
3.744		3088	1221
3.76		87655	55981
3.799		20836	15358
3.841		15254	14737
3.872		128130	78884
3.894		653030	435656
3.919		239867	146534

RT B	Compound B	Height B	Area B
3.938		79219	41882
3.959		170743	115475
3.994		971206	675050
4.025		577427	655504
4.104		67146	53632
4.139		353150	277832
4.196		682791	508030
4.229		332330	271912
4.256		1440127	1278115
4.295		244059	245423
4.348		1613683	1307274
4.386		174398	134526
4.418		1372680	992073
4.442		349066	235586
4.485		2054398	1661343
4.54		4915	3271
4.587		1425318	1411505
4.637		1314037	1088954
4.678		473405	418692
4.715		2714699	2246717
4.748		749046	524705
4.786		623148	488942
4.845		7734	4452
4.86		20235	12774
4.885		152647	102575
4.903		77808	45812
4.936		1103151	838444
4.959		500693	356183
5.01		633084	571483
5.046		330225	269602
5.075		233770	186367
5.107		290915	179782
5.129		2919957	2379451
5.171		61791	42351
5.202		97552	80969
5.268		5825	3673
5.301		2206	1668
5.32		30759	19029
5.343		564283	471523
5.388		2087310	2184478
5.489		4895	5502
5.543		37665	32991
5.588		71275	56024
5.612		20930	12790
5.633		6958	3533
5.66		357271	303829
5.701		3271	3472
5.741		9100	5898
5.767		824377	688608
5.799		53733	41281
5.967		199617	179068
6.127	DCB	767337	692858
6.164		11821	9204
6.255		2338	2519
6.305		3923	2833
6.332		4050	3382
6.369		3057	2624
6.399		7030	6768
6.476		836	534
6.497		2372	1947
6.555		14404	16099
6.609		9074	8382
6.665		2210	2764
6.862		1250	3870
6.909		3742	6167

9004813ACF DF10 ACA5314 T 171450004A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116021.033.RAW



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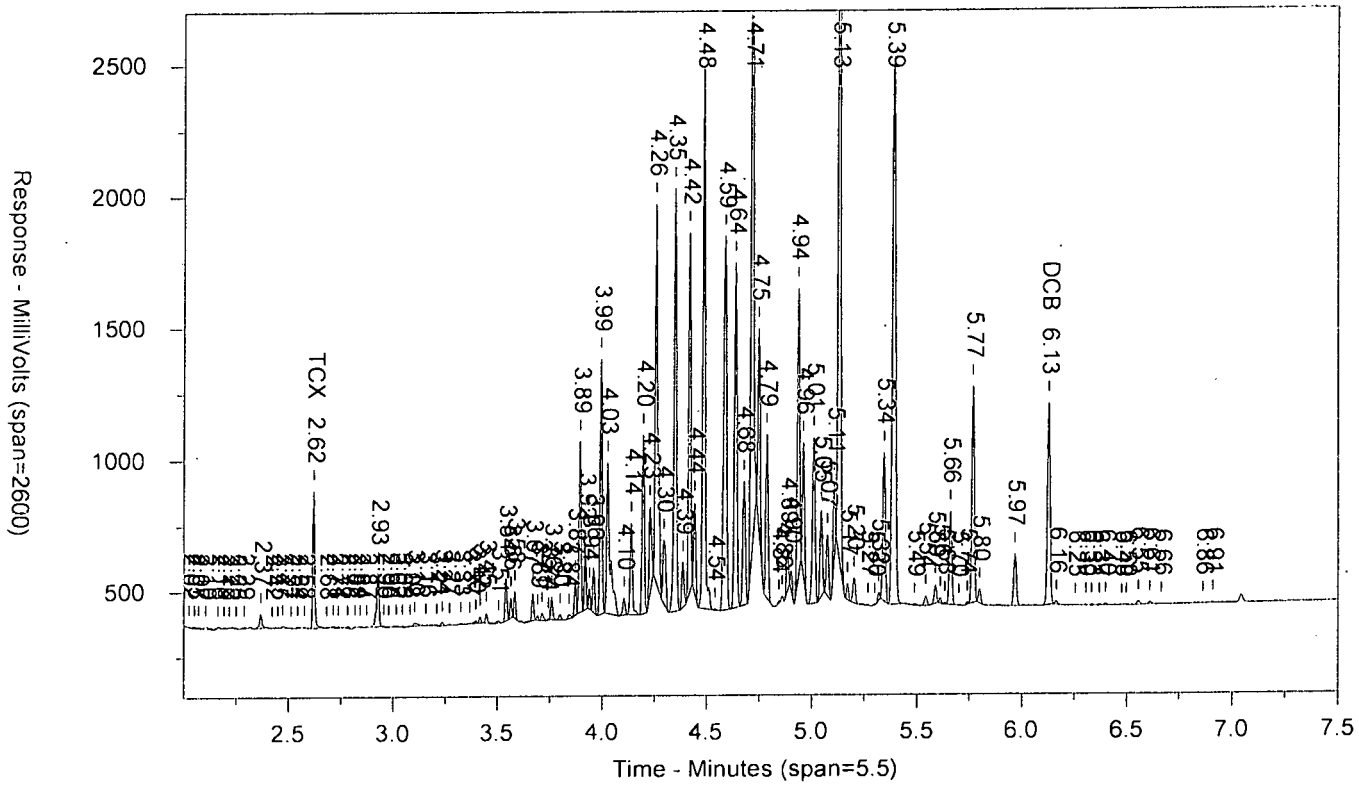

LANCASTER LABORATORIES

Sample Number: 9004813ACF DF10 ACA5314 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:22:57 PM
Sample Weight: 10.21
Instrument ID: CP25-18274
Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	370105	25.934	TCX	2.62	522752	26.887	TCX
6.635	333700	32.787	DCB	6.127	767337	31.882	DCB

Files:
Area File: 25pcbs17116021.033.RAW
Area File: 25pcbs17116021B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 8:31:28 PM
File Reported On: 5/26/2017 at 8:31:45 PM

9004813ACF DF10 ACA5314 T 171450004A 10225 SW-846 8082

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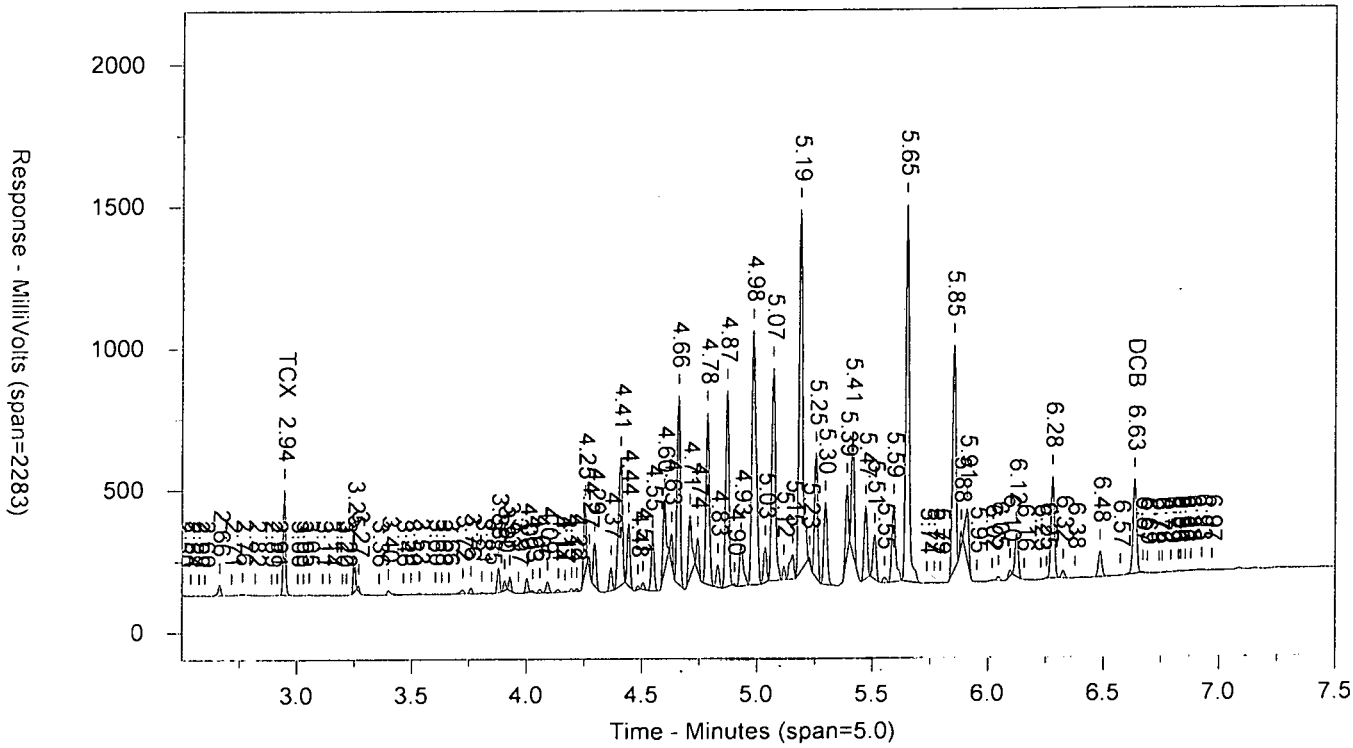

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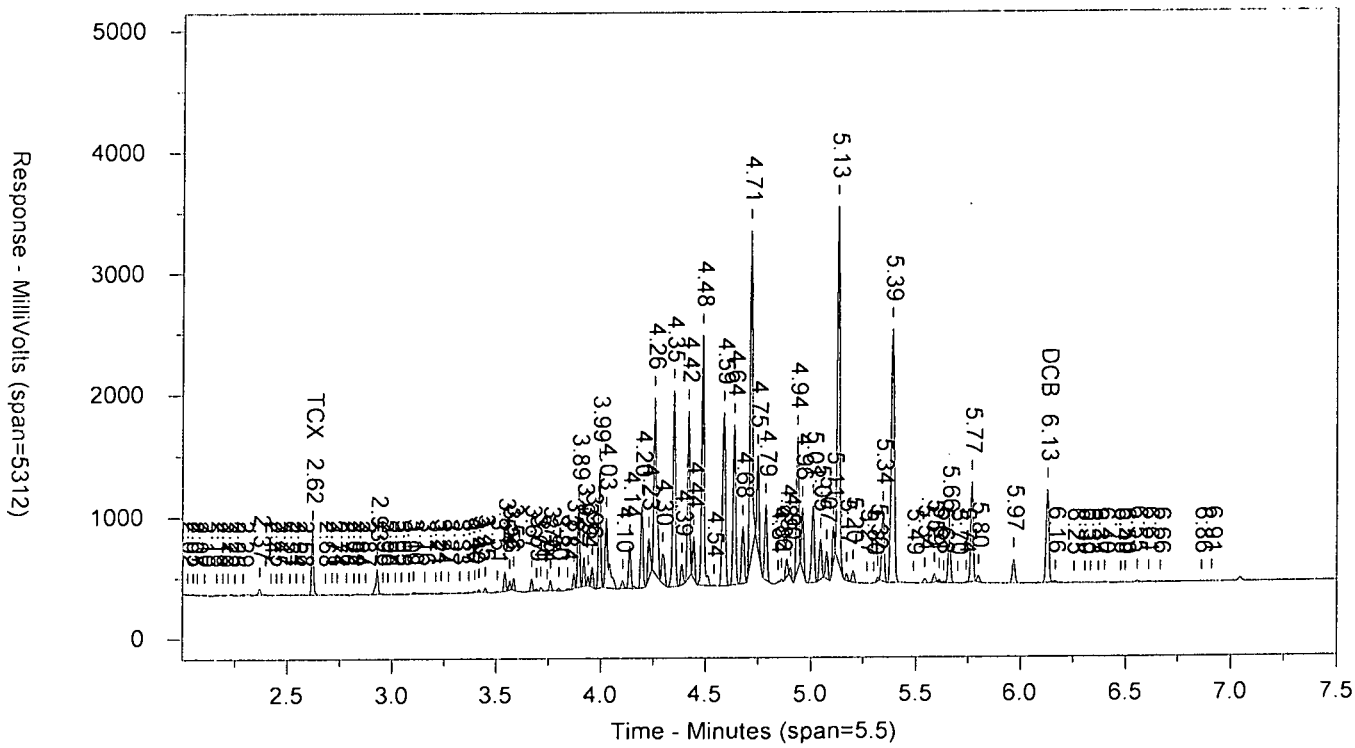

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Data Summary

Sample Name: 9004814 RI ACF A5315 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.11 g Total Volume: 10 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 20:34:14
Instrument	18274A
Result file	25PCBS17116021.034.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 112% (61 - 152) Conc: 32.40616
%SSR(DCB) 105% (48 - 164) Conc: 30.29594

Analysis Report (B)

Injected on	May 26, 2017 20:34:14
Instrument	18274B
Result file	25PCBS17116021B.034.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 117% (61 - 152) Conc: 33.87051
%SSR(DCB) 112% (48 - 164) Conc: 32.34945

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	4579363	32.40616
Decachlorobiphenyl	6.61	6.64	6.67	3053222	30.29594

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	6520833	33.87051
Decachlorobiphenyl	6.10	6.13	6.16	7709642	32.34945

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	33.87051				4.42	
☑ Decachlorobiphenyl	B	32.34945				6.56	

Multiple Component Data

Aroclor-1260 (%RSD 12.08)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.79	4.80	887929.9	181.57166			1
5.23	5.25	5.27	573370.7	172.38594			3
5.40	5.41	5.44	645993.4	178.235399			4
5.63	5.65	5.67	2149326	218.722585			5
5.83	5.85	5.87	1326038	220.936148			6

Height summation: **5582658**
Concentration CF: **194.370346** L:

Aroclor-1260 (%RSD 14.44)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.33	4.35	4.37	2346522	221.026751			1
4.47	4.49	4.51	3285155	270.138373			2
4.57	4.59	4.61	2121177	203.18943			3
4.92	4.94	4.96	1567743	187.432693			4
5.11	5.13	5.15	4844592	234.866376			5
5.37	5.39	5.41	3290182	265.926772			6

Height summation: **17455371**
Concentration CF: **230.430066** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<50.4451	<9.7923			4	
☑ PCB-1221			<50.4451	<15.1335			3	
☑ PCB-1232			<50.4451	<12.1662			4	
☑ PCB-1242			<50.4451	<12.1662			4	
☑ PCB-1248			<50.4451	<9.7923			4	
☑ PCB-1254			<50.4451	<13.0564			4	
☑ PCB-1260	B	230.430066	50.4451	11.5727		16.98	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby E. Turner, Associate Chemist
Date: MAY 30 2017

Verified by:
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004814** RI ACF A5315 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.11 g Total Volume: 10 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:34:14
Instrument : CP25--18274A
Result file : 25PCBS17116021.034.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 112% (61-152) Conc.: 32.40616
%SSR(DCB) : 105% (48-164) Conc.: 30.29594

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	154.19	
3.18	3.20	3.22	1807.76	0.767784			1
3.40	3.42	3.44	833.994	0.373192			2
3.51	3.53	3.55	4762.271	1.682128			3
3.73	3.76	3.77	24388.01	7.08998			4
3.79	3.81	3.83	8509.868	2.769677			5
3.98	4.00	4.02	57315.48	26.433337			6
Height Summation:			**97617.383**				
Amount Avg CF:			**6.51935**	Linear:			
Aroclor-1221					3	143.03	
3.07	3.09	3.11	844.2983	0.736155			1
3.13	3.14	3.17	10386.35	9.865263			2
3.18	3.20	3.22	1807.76	0.561029			3
Height Summation:			**13038.4083**				
Amount Avg CF:			**3.720816**	Linear:			
Aroclor-1232					6	163.66	
3.18	3.20	3.22	1807.76	0.627865			1
3.40	3.42	3.44	833.994	0.780996			2
3.52	3.53	3.56	4762.271	3.389632			3
3.74	3.76	3.78	24388.01	14.154644			4
3.79	3.81	3.83	8509.868	5.936288			5
3.99	4.00	4.03	57315.48	61.154699			6
+ 3.99	4.03	4.03	9517.417	10.154932			6
Height Summation:			**97617.383**				
Amount Avg CF:			**14.340687**	Linear:			
Aroclor-1242					6	153.76	
3.18	3.20	3.22	1807.76	0.904734			1
3.40	3.42	3.44	833.994	0.449947			2
3.51	3.53	3.55	4762.271	2.014684			3
3.73	3.76	3.77	24388.01	8.51344			4
3.79	3.81	3.83	8509.868	3.464418			5
3.98	4.00	4.02	57315.48	31.776908			6
Height Summation:			**97617.383**				
Amount Avg CF:			**7.854022**	Linear:			
Aroclor-1248					6	166.14	
3.79	3.81	3.83	8509.868	4.829973			1
3.86	3.88	3.90	95821.06	34.634318			2
3.98	4.00	4.02	57315.48	17.914233			3
4.07	4.09	4.11	39835.18	14.468799			4
4.25	4.25	4.29	292172.2	106.638149			5
+ 4.25	4.27	4.29	43522.91	15.885161			5
4.64	4.66	4.68	1024455	457.715805			6
Height Summation:			**1518108.788**				
Amount Avg CF:			**106.033546**	Linear:			
Aroclor-1254					6	59.12	
4.24	4.25	4.28	292172.2	99.153246			1
+ 4.24	4.27	4.28	43522.91	14.770186			1
4.58	4.60	4.62	381140.5	108.974266			2
4.64	4.66	4.68	1024455	151.484886			3
4.77	4.79	4.81	887929.9	406.307043			4
4.86	4.87	4.89	802201.8	161.275394			5
5.05	5.07	5.09	938723.4	253.739095			6
Height Summation:			**4326622.8**				
Amount Avg CF:			**196.822322**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:34:14
Instrument : CP25--18274B
Result file : 25PCBS17116021B.034.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 117% (61-152) Conc.: 33.87051
%SSR(DCB) : 112% (48-164) Conc.: 32.34945

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	92.16	
3.22	3.24	3.26	8858.83	2.009462			2
+ 3.22	3.25	3.26	5155.911	1.169523			2
+ 3.41	3.42	3.45	28148.41	5.648388			3
3.41	3.45	3.45	47030.72	9.437399			3
3.49	3.51	3.53	11824.1	2.280644			4
3.65	3.67	3.69	112959	26.883662			5
3.74	3.76	3.78	95924.27	24.985956			6
Height Summation:			**276596.92**				
Amount Avg CF:			**13.119424**	Linear:			
Aroclor-1221					2	41.45	
2.77	2.79	2.81	8570.078	4.98879			1
2.84	2.85	2.88	9680.482	9.125359			2
Height Summation:			**18250.56**				
Amount Avg CF:			**7.057074**	Linear:			
Aroclor-1232					5	93.50	
3.22	3.24	3.26	8858.83	4.258333			2
+ 3.22	3.25	3.26	5155.911	2.478384			2
+ 3.41	3.42	3.45	28148.41	12.587552			3
3.41	3.45	3.45	47030.72	21.031441			3
3.49	3.51	3.53	11824.1	5.11999			4
3.65	3.67	3.69	112959	63.51298			5
+ 3.65	3.69	3.69	27452.2	15.435433			5
3.75	3.76	3.79	95924.27	54.03569			6
Height Summation:			**276596.92**				
Amount Avg CF:			**29.591687**	Linear:			
Aroclor-1242					5	91.13	
3.22	3.24	3.26	8858.83	2.516265			2
+ 3.22	3.25	3.26	5155.911	1.464486			2
+ 3.41	3.42	3.45	28148.41	7.032623			3
3.41	3.45	3.45	47030.72	11.750196			3
3.49	3.51	3.53	11824.1	2.895412			4
3.65	3.67	3.69	112959	33.083992			5
3.74	3.76	3.78	95924.27	29.380459			6
Height Summation:			**276596.92**				
Amount Avg CF:			**15.925265**	Linear:			
Aroclor-1248					6	163.38	
+ 3.41	3.42	3.45	28148.41	14.122832			1
3.41	3.45	3.45	47030.72	23.596606			1
3.52	3.54	3.56	184020.8	36.140407			2
3.65	3.67	3.69	112959	18.549148			3
3.74	3.76	3.78	95924.27	20.624234			4
3.88	3.89	3.92	891321.2	95.29608			5
4.24	4.26	4.28	2166820	489.076908			6
Height Summation:			**3498075.99**				
Amount Avg CF:			**113.880564**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004814** RI ACF A5315 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.11 g Total Volume: 10 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:34:14
Instrument : CP25--18274A
Result file : 25PCBS17116021.034.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	27.50	
4.76	4.79	4.80	887929.9	181.57166			1
5.05	5.07	5.09	938723.4	331.305883			2
5.23	5.25	5.27	573370.7	172.38594			3
5.40	5.41	5.44	645993.4	178.235399			4
5.63	5.65	5.67	2149326	218.722585			5
5.83	5.85	5.87	1326038	220.936148			6
Height Summation:			**6521381.4**				
Amount Avg CF:			**217.192936**	Linear:			
Aroclor-1262					6	31.76	
5.23	5.25	5.27	573370.7	96.598655			1
5.40	5.41	5.44	645993.4	126.395556			2
5.63	5.65	5.67	2149326	163.123525			3
5.83	5.85	5.87	1326038	164.056579			4
5.89	5.91	5.93	235783.6	63.638731			5
6.26	6.28	6.30	571992.3	119.590199			6
Height Summation:			**5502504**				
Amount Avg CF:			**122.233874**	Linear:			
Aroclor-1268					6	96.54	
5.83	5.85	5.87	1326038	92.909496			1
5.89	5.91	5.93	235783.6	18.15556			2
6.03	6.04	6.07	31387.1	2.602285			3
+ 6.09	6.09	6.13	38040.84	12.124239			4
6.09	6.12	6.13	214820.4	68.466784			4
6.26	6.28	6.30	571992.3	111.88507			5
6.47	6.48	6.51	140632.8	3.349997			6
Height Summation:			**2520654.2**				
Amount Avg CF:			**49.561532**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:34:14
Instrument : CP25--18274B
Result file : 25PCBS17116021B.034.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	69.12	
4.18	4.20	4.22	926018.4	119.258719			1
4.24	4.26	4.28	2166820	151.997433			2
4.33	4.35	4.37	2346522	358.512487			3
4.40	4.42	4.44	1627666	170.76188			4
+ 4.40	4.44	4.44	539669.2	56.617836			4
4.47	4.49	4.51	3285155	621.569353			5
4.62	4.64	4.66	1560926	224.494702			6
Height Summation:			**11913107.4**				
Amount Avg CF:			**274.432429**	Linear:			
Aroclor-1260					6	14.44	
4.33	4.35	4.37	2346522	221.026751			1
4.47	4.49	4.51	3285155	270.138373			2
4.57	4.59	4.61	2121177	203.18943			3
4.92	4.94	4.96	1567743	187.432693			4
5.11	5.13	5.15	4844592	234.866376			5
5.37	5.39	5.41	3290182	265.926772			6
Height Summation:			**17455371**				
Amount Avg CF:			**230.430066**	Linear:			
Aroclor-1262					6	40.54	
4.73	4.75	4.77	918185.8	68.681587			1
4.92	4.94	4.96	1567743	118.576824			2
5.11	5.13	5.15	4844592	175.101829			3
5.33	5.34	5.36	706426.1	67.905284			4
5.37	5.39	5.41	3290182	182.191647			5
5.75	5.77	5.79	1239943	119.551742			6
Height Summation:			**12567071.9**				
Amount Avg CF:			**122.001486**	Linear:			
Aroclor-1268					6	123.49	
5.33	5.34	5.37	706426.1	21.494782			1
5.37	5.39	5.41	3290182	102.940152			2
5.53	5.54	5.57	75576.97	2.717878			3
5.59	5.61	5.63	47658.78	6.960187			4
5.75	5.77	5.79	1239943	107.056312			5
5.95	5.97	5.99	307468.7	3.113742			6
Height Summation:			**5667255.55**				
Amount Avg CF:			**40.713842**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.4451	9.7923		** 67.21	4	40	
Aroclor-1221			50.4451	15.1335		** 61.91	3	5	
Aroclor-1232			50.4451	12.1662		** 69.43	4	10	
Aroclor-1242			50.4451	12.1662		** 67.88	4	30	
Aroclor-1248			50.4451	9.7923		7.14	4	40	
Aroclor-1254			50.4451	13.0564		32.94	4	40	
Aroclor-1260			50.4451	11.5727		5.91	4	40	
Aroclor-1262			50.4451	9.7923		0.19	4	40	
Aroclor-1268			50.4451	9.7923		19.60	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004814 RI ACF ABA5315 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:34:14 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.034.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.017		1866	1839
2.052		7561	9679
2.088		8285	10820
2.144		76266	58437
2.212		75731	54029
2.238		14892	9537
2.293		1301	1123
2.339		27412	24798
2.375		1591	1067
2.404		9798	7430
2.44		993	1207
2.502		3559	5426
2.551		643	480
2.577		957	831
2.599		2034	1330
2.664		46373	36200
2.698		1235	944
2.718		947	452
2.752		6114	6382
2.79		2033	1305
2.852		460	355
2.885		2147	1837
2.914		1086	739
2.944	TCX	4579363	3077533
3.052		6726	5404
3.094		844	820
3.142		10386	8401
3.198		1808	1069
3.223		1502	1507
3.249		95317	60259
3.267		17124	9127
3.307		1718	1268
3.387		1479	1122
3.417		834	557
3.460		2047	1905
3.51		1794	1694
3.533		4762	4923
3.614		2608	2358
3.631		963	638
3.657		950	465
3.68		1178	707
3.7		1401	975
3.721		14304	14151
3.758		24388	20612
3.805		8510	8485
3.846		4436	3938
3.877		95821	73590
3.904		36187	23015
3.927		66619	47640
3.966		633	294
4.002		57315	42643
4.026		9517	6082
4.058		17701	13450
4.092		39835	35543

RT A	Compound A	Height A	Area A
4.138		16853	16748
4.167		4272	2941
4.194		10479	7209
4.217		11235	8222
4.253		292172	221080
4.27		43523	22623
4.296		180957	164263
4.367		127955	108300
4.409		656967	725512
4.443		318808	277535
4.484		22645	16062
4.506		36077	26881
4.548		243272	232614
4.597		381141	324570
4.627		144164	99945
4.659		1024455	919262
4.708		266169	279628
4.744		144462	109669
4.785		887930	880112
4.83		102221	90054
4.871		802202	788987
4.902		13158	7718
4.932		227308	245543
4.983		1459637	1850212
5.034		152238	134237
5.07		938723	1078408
5.116		73079	50681
5.152		137396	178085
5.186		2224621	2438825
5.254		573371	533772
5.295		440714	451701
5.39		385159	308996
5.415		645993	523412
5.471		384199	384459
5.509		238782	230186
5.552		33187	33029
5.59		375900	469635
5.649		2149326	2241517
5.75		22084	27974
5.803		1772	2199
5.852		1326038	1245415
5.882		97224	63803
5.907		235784	263032
5.95		1368	1079
6.018		3438	2367
6.045		31387	28144
6.095		38041	30936
6.123		214820	209809
6.183		675	478
6.251		901	1986
6.28		571992	564562
6.325		43953	41753
6.371		1839	2010
6.41		1211	1697
6.452		599	254
6.484		140633	166819
6.574		904	1979
6.635	DCB	3053223	3271489
6.736		705	457
6.772		1283	2071
6.833		2189	3582
6.907		702	299
6.965		692	712

LANCASTER LABORATORIES

Sample Number: 9004814 RI ACF ABA5315 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:34:14 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.034.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.056		11269	11116
2.117		12888	10695
2.164		2578	3440
2.214		2017	1617
2.236		3208	2743
2.325		2913	3089
2.367		65786	47067
2.44		4051	2715
2.466		3972	4485
2.55		1384	1649
2.572		4047	2586
2.595		2235	1084
2.619	TCX	6520833	4146270
2.76		4073	3326
2.791		8570	4495
2.817		5352	6918
2.852		9680	10766
2.884		2749	1602
2.928		164792	129500
2.955		6181	3197
2.995		2332	1871
3.03		3971	3924
3.115		8135	9106
3.162		1048	756
3.196		5569	7928
3.236		8859	5833
3.254		5156	2434
3.281		7647	8835
3.335		6855	8384
3.365		6275	4216
3.396		24331	17196
3.417		28148	16747
3.447		47031	30813
3.506		11824	9646
3.541		184021	114873
3.565		82046	43640
3.583		133537	76766
3.612		12330	9060
3.669		112959	71878
3.692		27452	15101
3.714		36063	30298
3.759		95924	73630
3.799		30712	22163
3.84		23608	21051
3.871		86338	51227
3.893		891321	591674
3.919		274099	159414
3.938		127543	69474
3.958		262512	165809
3.993		1437477	986153
4.025		755890	687357
4.062		31240	20109
4.104		94795	77669
4.138		510925	404809

RT B	Compound B	Height B	Area B
4.195		926018	717778
4.229		442047	362901
4.256		2166820	1875659
4.295		345845	347561
4.348		2346522	1918220
4.385		212675	171495
4.418		1627667	1124689
4.442		539669	382616
4.485		3285155	2671891
4.54		6672	4858
4.587		2121177	2100412
4.636		1560927	1287975
4.678		714236	610242
4.716		4468421	3776019
4.747		918186	636735
4.786		984224	745691
4.862		159548	134088
4.885		176893	105985
4.903		130094	78728
4.936		1567743	1151111
4.96		831685	590423
5.01		885656	793298
5.045		526039	426764
5.075		353602	279045
5.107		367813	239346
5.13		4844592	3894910
5.171		101646	71770
5.202		129884	106202
5.244		3159	2096
5.264		5038	3578
5.3		3144	1393
5.32		40129	25344
5.343		706426	588457
5.387		3290182	3445285
5.487		3929	3423
5.543		75577	66587
5.588		123215	95183
5.612		47659	31450
5.66		543037	455167
5.704		3032	3377
5.767		1239943	1069597
5.799		86545	64875
5.967		307469	275124
5.998		3232	4590
6.06		1977	2777
6.127	DCB	7709643	6612777
6.302		6626	4196
6.331		20894	18042
6.559		31577	35221
6.611		4464	7569
6.66		2488	2471
6.747		1023	739
6.822		1700	3229
6.91		2657	3125
6.945		1349	1060

9004814 RI ACF ABA5315 T 171450004A 10225 SW-846 8082

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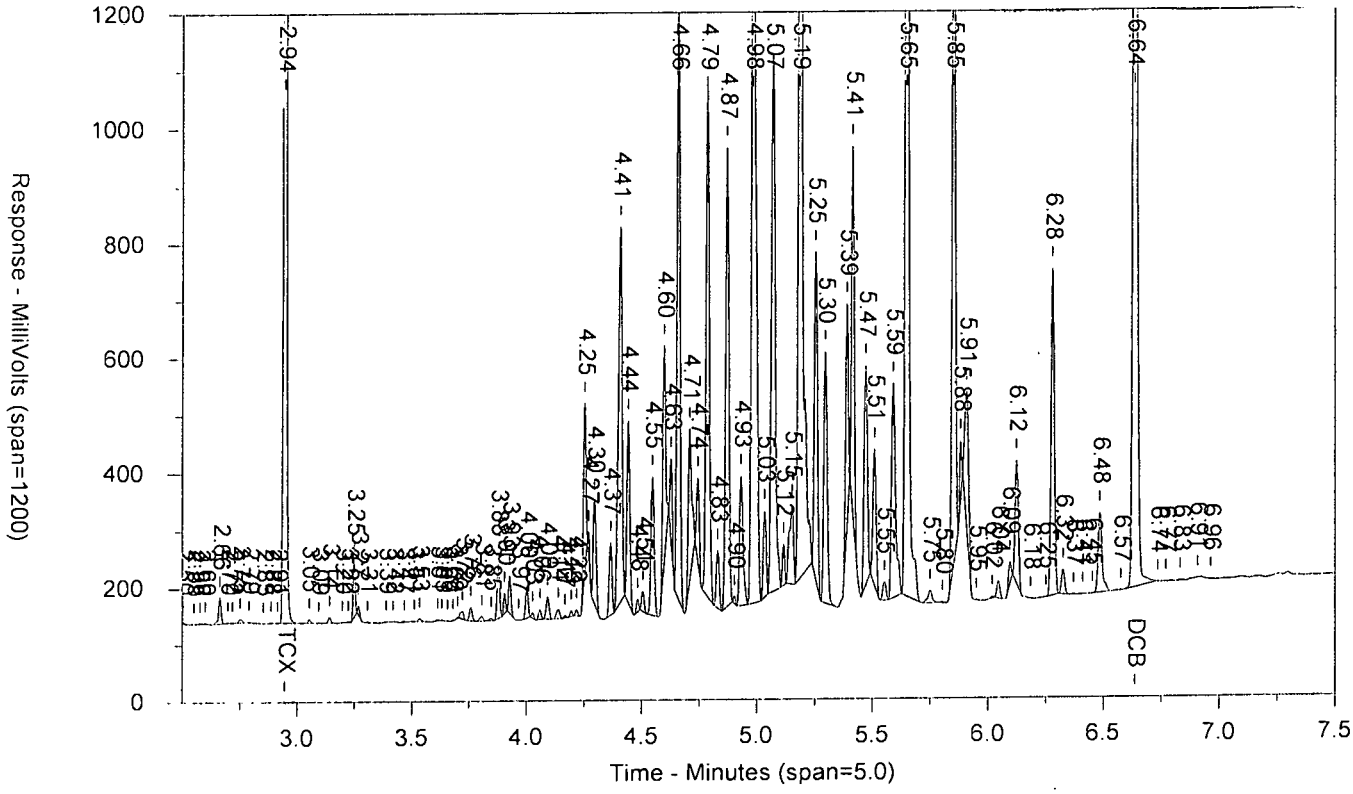

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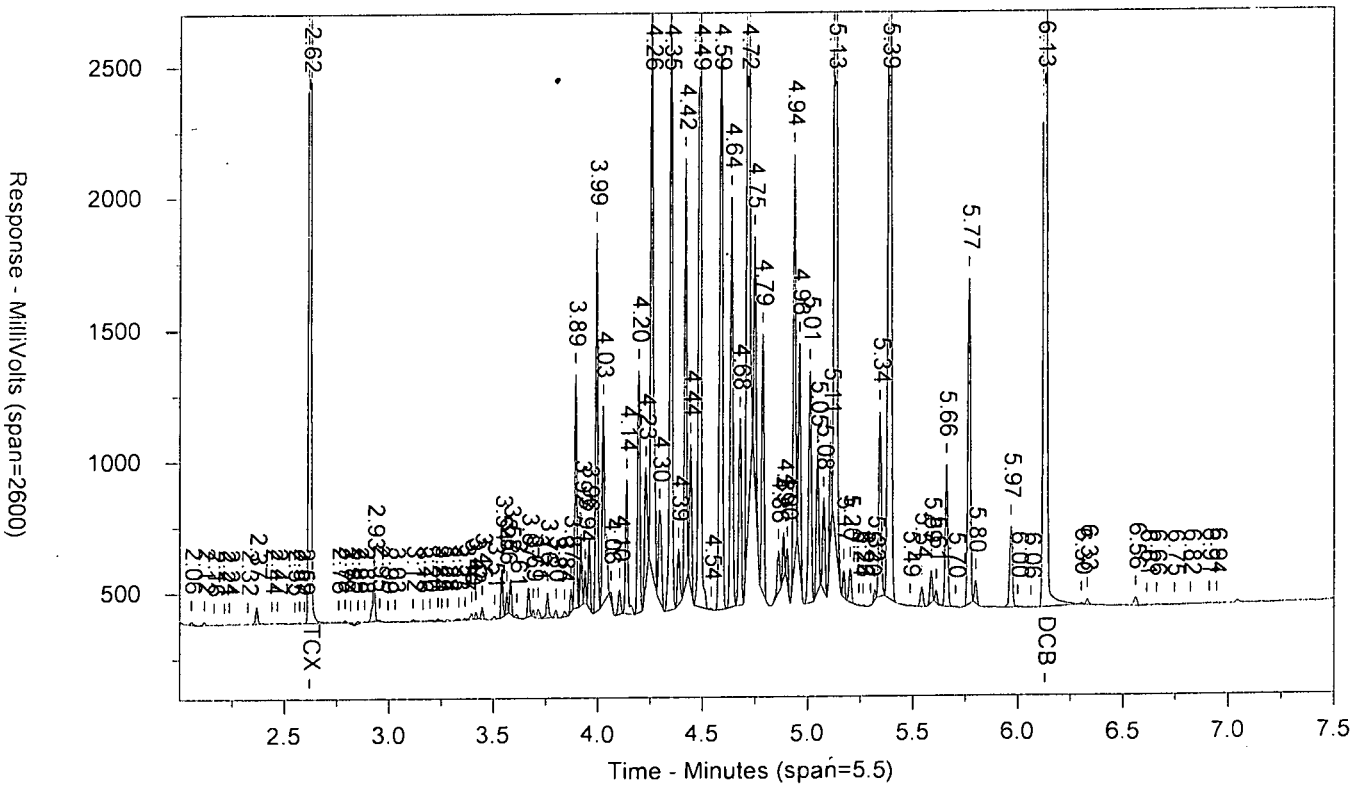

LANCASTER LABORATORIES

Sample Number: 9004814 RI ACF ABA5315 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:34:14 PM Sample Weight: 10.11
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	4579363	32.406	TCX	2.619	6520833	33.871	TCX
6.635	3053223	30.296	DCB	6.127	7709643	32.349	DCB

Files:
Area File: 25pcbs17116021.034.RAW
Area File: 25pcbs17116021B.034.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 8:42:46 PM
File Reported On: 5/26/2017 at 8:42:53 PM

9004814 RI ACF ABA5315 T 171450004A 10225 SW-846 8082

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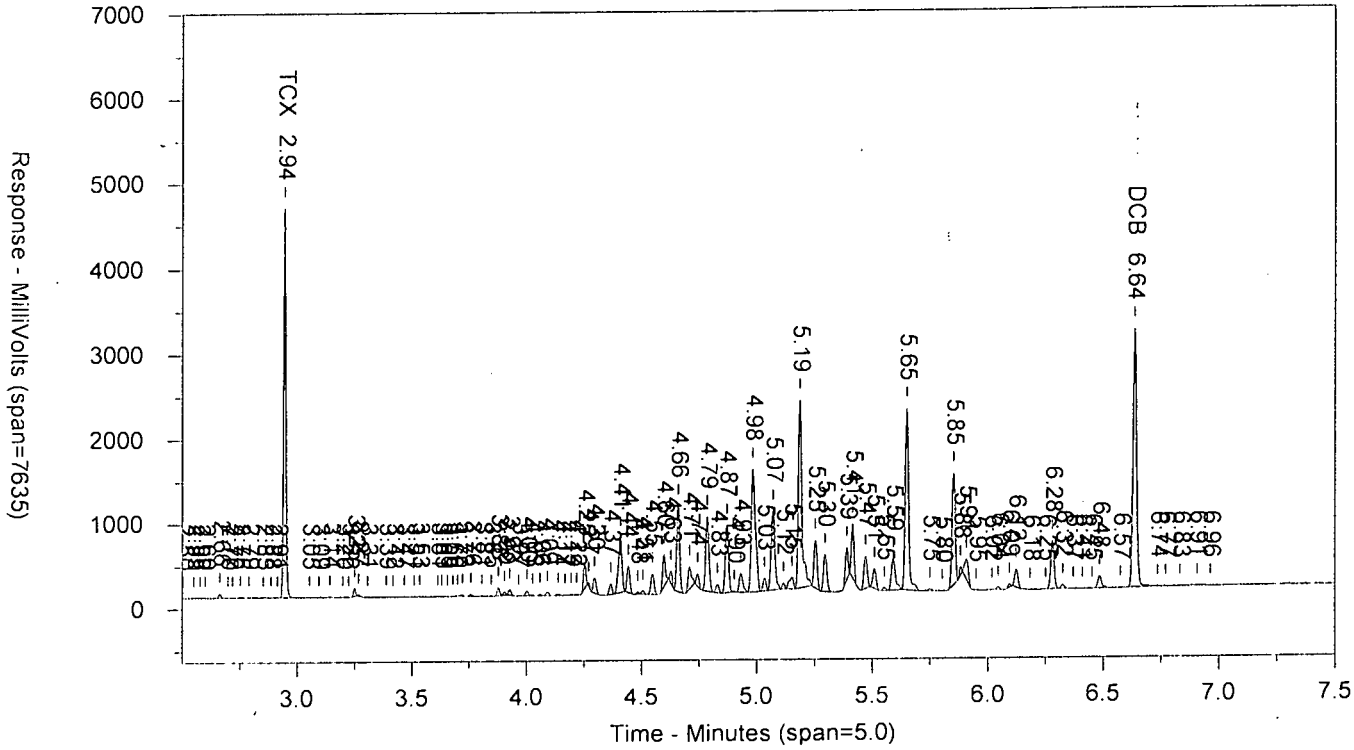

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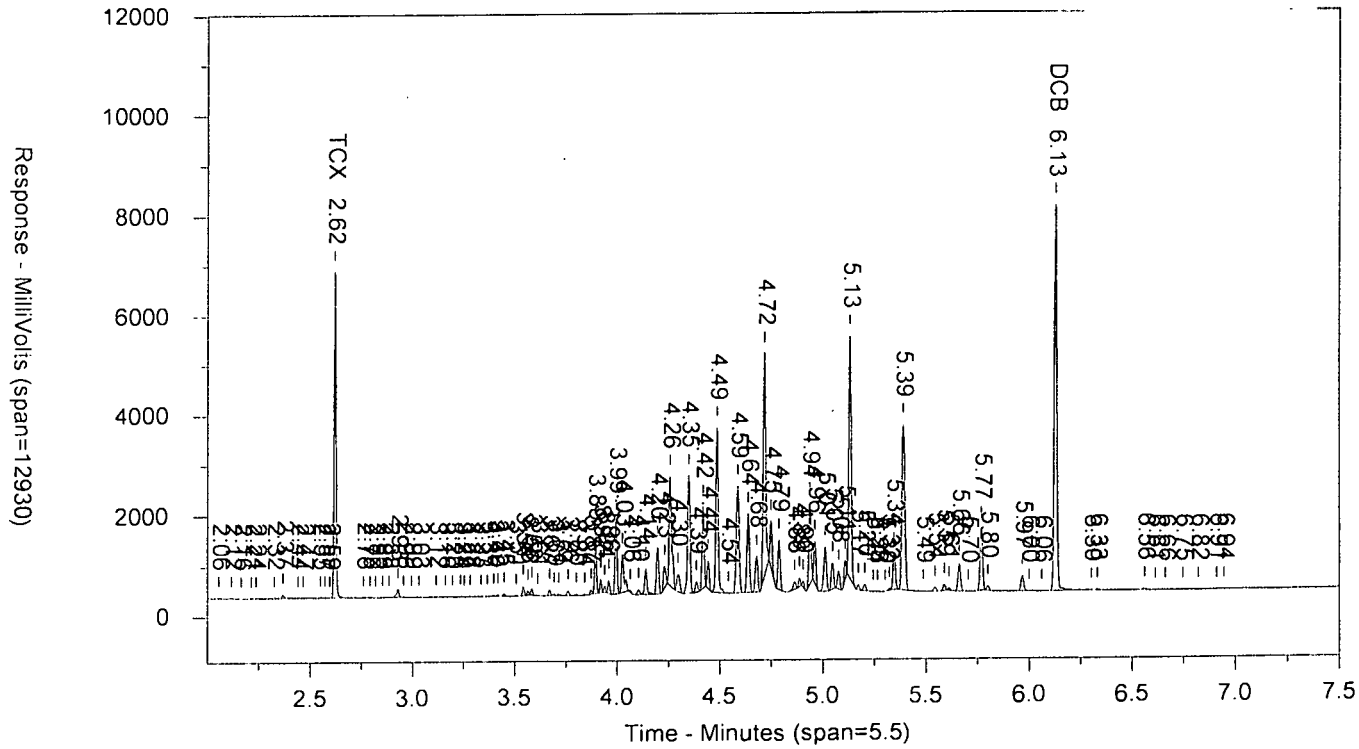

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Data Summary

Sample Name: 9004815 RI ACF A5316 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.41 g Total Volume: 10 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 20:56:50
Instrument	18274A
Result file	25PCBS17116021.036.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 108% (61 - 152) Conc: 30.41744
%SSR(DCB) 103% (48 - 164) Conc: 28.93458

Analysis Report (B)

Injected on	May 26, 2017 20:56:50
Instrument	18274B
Result file	25PCBS17116021B.036.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 121% (61 - 152) Conc: 33.94902
%SSR(DCB) 113% (48 - 164) Conc: 31.78775

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	4425881	30.41744
Decachlorobiphenyl	6.61	6.64	6.67	3002553	28.93458

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	6729893	33.94902
Decachlorobiphenyl	6.10	6.13	6.16	7800578	31.78775

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	33.94902				10.97	
☑ Decachlorobiphenyl	B	31.78775				9.40	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.05**	
4.76	4.79	4.80	330839.7	65.703337			1
5.05	5.07	5.09	275683.9	94.493804			2
5.23	5.25	5.27	252300.6	73.669047			3
5.40	5.41	5.44	248866.4	66.685678			4
5.63	5.65	5.67	782068.3	77.292338			5
5.83	5.85	5.87	509895.7	82.50734			6

Height summation: **2399654.6**
Concentration CF: **76.725257** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.47**	
4.33	4.35	4.37	851036.1	77.851793			1
4.47	4.48	4.51	1117321	89.22957			2
4.57	4.59	4.61	770223	71.654111			3
4.92	4.94	4.96	608068.4	70.603029			4
5.11	5.13	5.15	1731189	81.50956			5
5.37	5.39	5.41	1190999	93.48759			6

Height summation: **6268836.5**
Concentration CF: **80.722609** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<48.9914	<9.5101			4	
☑ PCB-1221			<48.9914	<14.6974			3	
☑ PCB-1232			<48.9914	<11.8156			4	
☑ PCB-1242			<48.9914	<11.8156			4	
☑ PCB-1248			<48.9914	<9.5101			4	
☑ PCB-1254			<48.9914	<12.6801			4	
☑ PCB-1260	B	80.722609	48.9914	11.2392		5.08	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004815** RI ACF A5316 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.41 g Total Volume: 10 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:56:50
Instrument : CP25--18274A
Result file : 25PCBS17116021.036.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 30.41744
%SSR(DCB) : 103% (48-164) Conc.: 28.93458

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**104.49**	
3.18	3.20	3.22	2502.946	1.032405			1
+ 3.18	3.21	3.22	1738.8	0.717213			1
3.40	3.41	3.44	477.2157	0.207388			2
3.51	3.53	3.55	1255.483	0.430682			3
3.73	3.76	3.77	22933.45	6.47498			4
3.79	3.80	3.83	5856.739	1.85124			5
3.98	4.00	4.02	10054.2	4.50327			6
Height Summation:			**43080.0337**				
Amount Avg CF:			**2.416661**	Linear:			
Aroclor-1221					**3**	**139.57**	
3.07	3.09	3.11	588.5053	0.498338			1
3.13	3.14	3.17	9115.453	8.408614			2
3.18	3.20	3.22	2502.946	0.754392			3
+ 3.18	3.21	3.22	1738.8	0.524077			3
Height Summation:			**12206.9043**				
Amount Avg CF:			**3.220448**	Linear:			
Aroclor-1232					**6**	**110.96**	
3.18	3.20	3.22	2502.946	0.844262			1
+ 3.18	3.21	3.22	1738.8	0.58651			1
3.40	3.41	3.44	477.2157	0.434011			2
3.52	3.53	3.56	1255.483	0.86786			3
3.74	3.76	3.78	22933.45	12.926841			4
3.79	3.80	3.83	5856.739	3.967788			5
3.99	4.00	4.03	10054.2	10.418516			6
+ 3.99	4.03	4.03	2628.572	2.723819			6
Height Summation:			**43080.0337**				
Amount Avg CF:			**4.90988**	Linear:			
Aroclor-1242					**6**	**104.03**	
3.18	3.20	3.22	2502.946	1.216556			1
+ 3.18	3.21	3.22	1738.8	0.845143			1
3.40	3.41	3.44	477.2157	0.250043			2
3.51	3.53	3.55	1255.483	0.515827			3
3.73	3.76	3.77	22933.45	7.774967			4
3.79	3.80	3.83	5856.739	2.315601			5
3.98	4.00	4.02	10054.2	5.413619			6
Height Summation:			**43080.0337**				
Amount Avg CF:			**2.914435**	Linear:			
Aroclor-1248					**6**	**158.37**	
3.79	3.80	3.83	5856.739	3.228332			1
3.86	3.88	3.90	20484.97	7.19087			2
3.98	4.00	4.02	10054.2	3.051928			3
4.07	4.09	4.11	12669.83	4.469273			4
4.25	4.25	4.29	114768	40.681312			5
4.64	4.66	4.68	287842.9	124.899003			6
Height Summation:			**451676.639**				
Amount Avg CF:			**30.586786**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:56:50
Instrument : CP25--18274B
Result file : 25PCBS17116021B.036.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 121% (61-152) Conc.: 33.94902
%SSR(DCB) : 113% (48-164) Conc.: 31.78775

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**81.17**	
+ 3.22	3.24	3.26	3360.775	0.74036			2
3.22	3.25	3.26	5422.32	1.194508			2
+ 3.41	3.42	3.45	26427.83	5.150301			3
3.41	3.45	3.45	45371.59	8.842094			3
3.49	3.50	3.53	5018.22	0.940025			4
3.65	3.67	3.69	22193.93	5.129821			5
3.74	3.76	3.78	40773.66	10.314486			6
Height Summation:			**118779.72**				
Amount Avg CF:			**5.284187**	Linear:			
Aroclor-1221					**1**		
2.84	2.87	2.88	4789.215	4.384476			2
Height Summation:			**4789.215**				
Amount Avg CF:			**4.384476**	Linear:			
Aroclor-1232					**5**	**79.89**	
+ 3.22	3.24	3.26	3360.775	1.568928			2
3.22	3.25	3.26	5422.32	2.53133			2
+ 3.41	3.42	3.45	26427.83	11.477554			3
3.41	3.45	3.45	45371.59	19.704791			3
3.49	3.50	3.53	5018.22	2.110334			4
3.65	3.67	3.69	22193.93	12.119265			5
+ 3.65	3.69	3.69	12663.42	6.915014			5
3.75	3.76	3.79	40773.66	22.306546			6
Height Summation:			**118779.72**				
Amount Avg CF:			**11.754453**	Linear:			
Aroclor-1242					**5**	**79.79**	
+ 3.22	3.24	3.26	3360.775	0.927086			2
3.22	3.25	3.26	5422.32	1.495772			2
+ 3.41	3.42	3.45	26427.83	6.412471			3
3.41	3.45	3.45	45371.59	11.009001			3
3.49	3.50	3.53	5018.22	1.193417			4
3.65	3.67	3.69	22193.93	6.312941			5
3.74	3.76	3.78	40773.66	12.128587			6
Height Summation:			**118779.72**				
Amount Avg CF:			**6.427944**	Linear:			
Aroclor-1248					**6**	**144.38**	
+ 3.41	3.42	3.45	26427.83	12.877449			1
3.41	3.45	3.45	45371.59	22.108147			1
3.52	3.54	3.56	42908.48	8.184077			2
3.65	3.67	3.69	22193.93	3.539466			3
3.74	3.76	3.78	40773.66	8.513918			4
3.88	3.89	3.92	266106.8	27.631038			5
4.24	4.26	4.28	589469.1	129.215851			6
Height Summation:			**1006823.56**				
Amount Avg CF:			**33.198749**	Linear:			
Aroclor-1254					**6**	**81.09**	
4.18	4.20	4.22	250714.7	31.358173			1
4.24	4.26	4.28	589469.1	40.15826			2
4.33	4.35	4.37	851036.1	126.278108			3
4.40	4.42	4.44	430879	43.901705			4
+ 4.40	4.44	4.44	215995.6	22.007513			4
4.47	4.48	4.51	1117321	205.310951			5
4.62	4.64	4.66	424750.7	59.327809			6
Height Summation:			**3664170.6**				
Amount Avg CF:			**84.389168**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004815** RI ACF A5316 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.41 g Total Volume: 10 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 20:56:50
Instrument : CP25--18274A
Result file : 25PCBS17116021.036.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	73.69	
4.24	4.25	4.28	114768	37.825901			1
4.58	4.60	4.62	80364.3	22.315285			2
+ 4.58	4.61	4.62	7716.431	2.142672			2
4.64	4.66	4.68	287842.9	41.336373			3
4.77	4.79	4.81	330839.7	147.025855			4
4.86	4.87	4.89	237072.2	46.287693			5
5.05	5.07	5.09	275683.9	72.3705			6
Height Summation:			**1326571**				
Amount Avg CF:			**61.193601**	Linear:			
Aroclor-1260					6	14.05	
4.76	4.79	4.80	330839.7	65.703337			1
5.05	5.07	5.09	275683.9	94.493804			2
5.23	5.25	5.27	252300.6	73.669047			3
5.40	5.41	5.44	248866.4	66.685678			4
5.63	5.65	5.67	782068.3	77.292338			5
5.83	5.85	5.87	509895.7	82.50734			6
Height Summation:			**2399654.6**				
Amount Avg CF:			**76.725258**	Linear:			
Aroclor-1262					6	26.17	
5.23	5.25	5.27	252300.6	41.281388			1
5.40	5.41	5.44	248866.4	47.29012			2
5.63	5.65	5.67	782068.3	57.644704			3
5.83	5.85	5.87	509895.7	61.26599			4
5.89	5.91	5.93	105314.9	27.605662			5
6.26	6.28	6.30	213373.6	43.325793			6
Height Summation:			**2111819.5**				
Amount Avg CF:			**46.402276**	Linear:			
Aroclor-1268					6	90.55	
5.83	5.85	5.87	509895.7	34.696519			1
5.89	5.91	5.93	105314.9	7.875648			2
6.03	6.04	6.07	23607.54	1.900881			3
+ 6.09	6.10	6.13	5305.75	1.642297			4
6.09	6.12	6.13	93723.61	29.010408			4
6.26	6.28	6.30	213373.6	40.534336			5
6.47	6.48	6.51	73690.55	1.704787			6
Height Summation:			**1019605.9**				
Amount Avg CF:			**19.287097**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 20:56:50
Instrument : CP25--18274B
Result file : 25PCBS17116021B.036.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	11.47	
4.33	4.35	4.37	851036.1	77.851793			1
4.47	4.48	4.51	1117321	89.22957			2
4.57	4.59	4.61	770223	71.654111			3
4.92	4.94	4.96	608068.4	70.603029			4
5.11	5.13	5.15	1731189	81.50956			5
5.37	5.39	5.41	1190999	93.48759			6
Height Summation:			**6268836.5**				
Amount Avg CF:			**80.722609**	Linear:			
Aroclor-1262					6	30.12	
4.73	4.75	4.77	443117.3	32.190586			1
4.92	4.94	4.96	608068.4	44.666076			2
5.11	5.13	5.15	1731189	60.768482			3
5.33	5.34	5.36	327494.2	30.573198			4
5.37	5.39	5.41	1190999	64.050181			5
5.75	5.77	5.79	488991.2	45.78842			6
Height Summation:			**4789859.1**				
Amount Avg CF:			**46.339491**	Linear:			
Aroclor-1268					6	111.50	
5.33	5.34	5.37	327494.2	9.67766			1
5.37	5.39	5.41	1190999	36.18901			2
5.53	5.54	5.57	60208.54	2.102805			3
5.59	5.61	5.63	37896.57	5.374998			4
5.75	5.77	5.79	488991.2	41.00266			5
5.95	5.97	5.99	156820.7	1.542359			6
Height Summation:			**2262410.21**				
Amount Avg CF:			**15.981582**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			48.9914	9.5101		** 74.47	4	40	
Aroclor-1221			48.9914	14.6974		30.61	3	5	
Aroclor-1232			48.9914	11.8156		** 82.15	4	10	
Aroclor-1242			48.9914	11.8156		** 75.22	4	30	
Aroclor-1248			48.9914	9.5101		8.19	4	40	
Aroclor-1254			48.9914	12.6801		31.87	4	40	
Aroclor-1260			48.9914	11.2392		5.08	4	40	
Aroclor-1262			48.9914	9.5101		0.14	4	40	
Aroclor-1268			48.9914	9.5101		18.74	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004815 RI ACF ABA5316 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:56:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.036.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.02		762	800
2.044		5268	6365
2.089		8979	11071
2.144		97668	72786
2.212		25516	18015
2.238		15974	11328
2.339		33172	28829
2.376		2000	1680
2.404		10954	7417
2.44		1145	1330
2.501		4378	6540
2.549		585	384
2.576		916	612
2.6		9264	6372
2.664		13589	12210
2.7		841	840
2.717		1468	835
2.751		7368	7492
2.794		744	463
2.807		1148	907
2.886		1960	1375
2.914		1548	1060
2.944	TCX	4425881	3037959
3.052		2188	1781
3.092		589	455
3.116		379	140
3.142		9115	7546
3.198		2503	1569
3.215		1739	1529
3.249		97856	62474
3.268		8445	4674
3.335		684	524
3.389		848	1162
3.406		477	222
3.464		1728	1444
3.509		2714	2941
3.535		1255	1084
3.563		1034	1086
3.614		2822	2443
3.629		1475	836
3.654		1380	1004
3.679		2157	1324
3.697		1506	852
3.723		11927	9137
3.758		22933	16973
3.801		5857	6406
3.845		3029	2900
3.878		20485	15362
3.904		12891	8309
3.927		45399	32173
3.965		1073	885
4.001		10054	7951
4.026		2629	1825
4.058		5599	4334

RT A	Compound A	Height A	Area A
4.093		12670	11536
4.115		865	378
4.139		10590	8827
4.166		3950	2700
4.195		10691	7902
4.217		3884	2562
4.254		114768	118519
4.297		60480	56012
4.366		44182	37168
4.408		194336	217232
4.443		95920	81783
4.483		8594	6001
4.506		9689	6957
4.547		69293	63605
4.598		80364	58970
4.614		7716	2730
4.628		33449	21851
4.659		287843	265551
4.708		124981	131469
4.743		43043	30109
4.785		330840	331615
4.831		27247	23675
4.87		237072	230404
4.903		4203	2574
4.932		90886	89822
4.983		482226	644846
5.034		73786	63912
5.071		275684	338838
5.117		23106	15259
5.153		52910	66677
5.186		685919	752238
5.226		9043	4639
5.253		252301	239823
5.296		175905	178503
5.367		1403	1010
5.39		122576	99211
5.415		248866	221969
5.473		204145	212617
5.51		88087	81735
5.553		13095	14409
5.591		125111	150551
5.65		782068	839534
5.733		1778	1393
5.753		1131	1024
5.8		806	759
5.852		509896	480084
5.883		38492	25258
5.908		105315	117087
5.949		966	911
6.02		1670	1987
6.045		23608	22033
6.098		5306	4782
6.123		93724	90836
6.17		2262	3925
6.249		1642	3510
6.28		213374	225710
6.325		15553	14019
6.367		3146	3319
6.409		1409	1434
6.484		73691	79666
6.553		581	576
6.571		459	193
6.635	DCB	3002553	3252904
6.77		514	440
6.787		1374	1574
6.835		2665	4126

RT A	Compound A	Height A	Area A
6.88		572	359
6.917		3894	5846
6.965		775	796

LANCASTER LABORATORIES

Sample Number: 9004815 RI ACF ABA5316 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:56:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.036.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		10361	10073
2.118		13223	10756
2.16		12841	9649
2.214		1376	1595
2.235		3071	3038
2.283		1450	1784
2.324		2172	1474
2.368		19778	16736
2.397		3578	2603
2.439		7478	4227
2.469		3134	6841
2.535		1476	1106
2.572		2371	1746
2.619	TCX	6729893	4112101
2.739		3980	2263
2.76		1665	1478
2.823		13165	15685
2.865		4789	11108
2.884		4049	2269
2.929		166420	120004
2.955		9740	6661
3		3250	2919
3.041		1724	838
3.081		1283	1562
3.118		4927	5693
3.157		4043	5771
3.179		1931	1036
3.194		6126	4912
3.238		3361	2206
3.253		5422	2688
3.283		4413	5623
3.336		7982	9319
3.366		5176	4039
3.395		6783	5397
3.417		26428	15687
3.447		45372	29878
3.498		5018	5970
3.541		42908	26261
3.564		28925	14795
3.583		87544	51466
3.607		7995	5226
3.67		22194	13854
3.692		12663	7785
3.72		15029	14405
3.759		40774	31376
3.798		14926	10308
3.84		10091	9976
3.871		25717	14985
3.893		266107	179610
3.919		66220	38168
3.938		64181	36689
3.958		105961	70004
3.993		420820	298087
4.025		227672	205218

RT B	Compound B	Height B	Area B
4.062		16708	10822
4.104		32203	29223
4.139		138662	98601
4.159		10169	6529
4.195		250715	180561
4.229		131481	118950
4.256		589469	581176
4.294		136798	136464
4.348		851036	705146
4.385		62819	53013
4.418		430879	308845
4.442		215996	152337
4.485		1117321	907469
4.541		4487	3804
4.587		770223	773365
4.637		424751	363635
4.677		278021	233528
4.715		1472431	1211997
4.748		443117	317112
4.786		367222	293328
4.862		208650	174824
4.885		70016	38873
4.902		40371	23734
4.936		608068	474951
4.96		255507	180153
5.01		367136	336058
5.046		206133	162317
5.075		138048	114469
5.108		93729	56490
5.13		1731189	1421099
5.171		38516	27150
5.201		63728	54574
5.266		2660	1649
5.297		3585	2330
5.32		19592	11535
5.344		327494	269009
5.389		1190999	1274144
5.49		4247	5348
5.543		60209	53626
5.589		40868	30728
5.612		37897	26657
5.661		214556	190894
5.767		488991	429552
5.798		34960	25855
5.834		1092	789
5.886		2246	2712
5.967		156821	142118
5.997		3199	1957
6.127	DCB	7800578	6748384
6.303		3618	2732
6.331		5398	4553
6.469		1408	2200
6.558		8117	8908
6.61		4274	5954
6.657		2129	2148
6.758		1383	1696
6.823		2001	2402
6.907		3723	5924

9004815 RI ACF ABA5316 T 171450004A 10225 SW-846 8082

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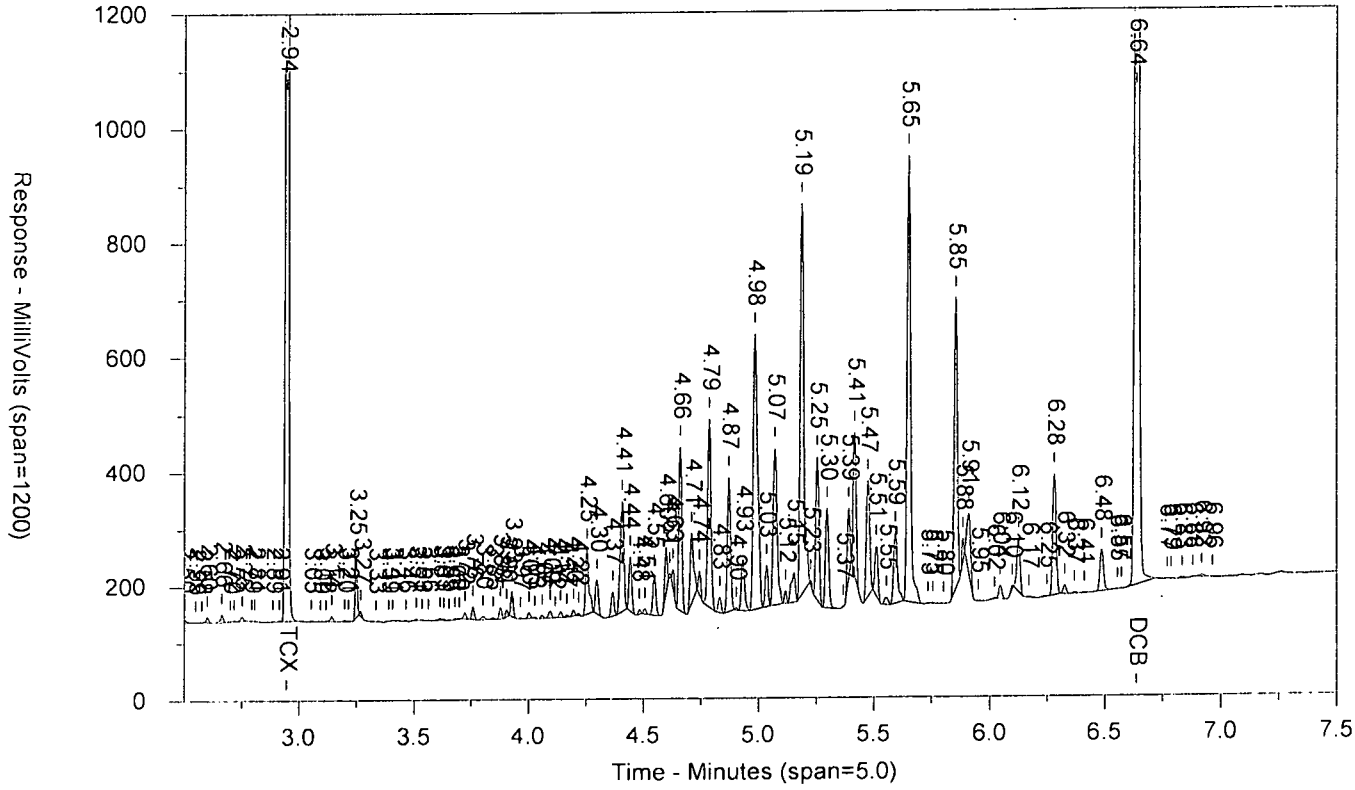

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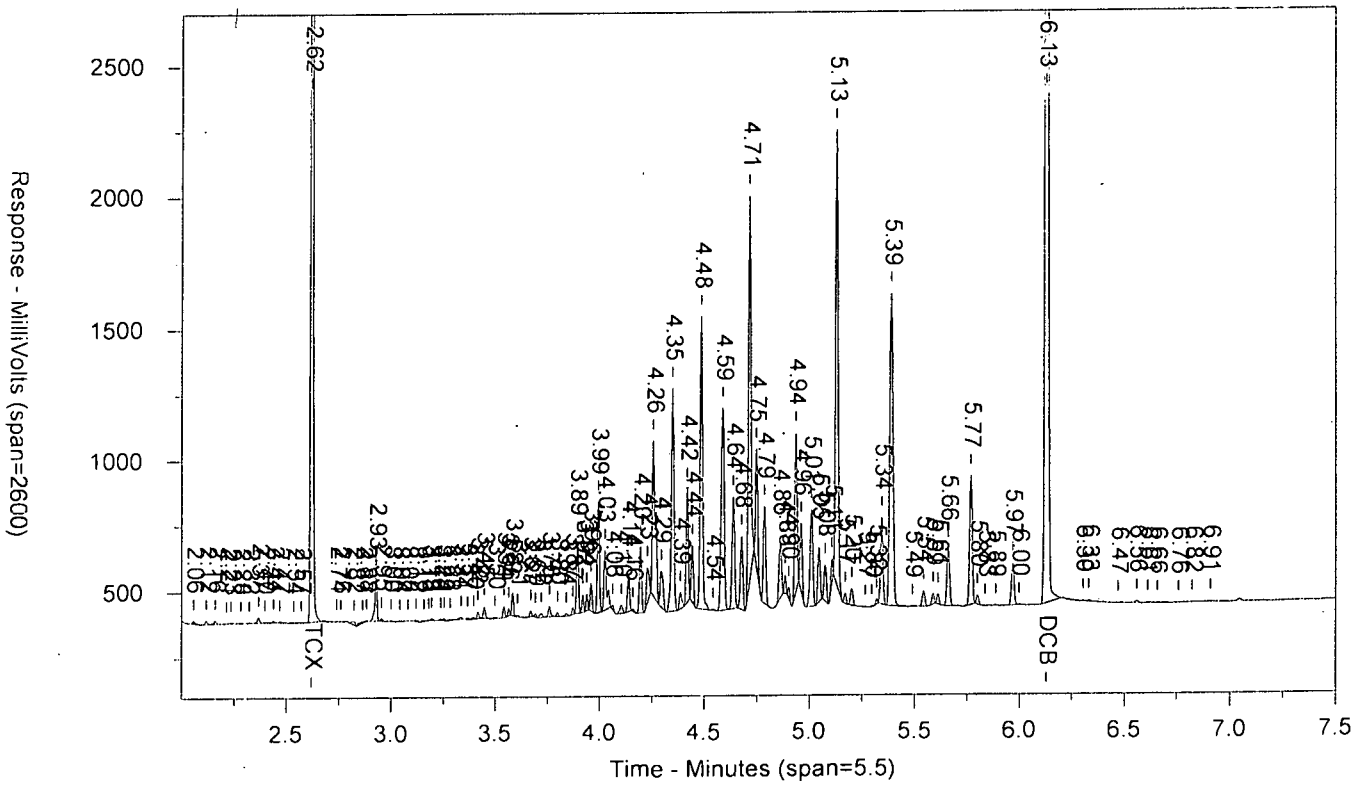

LANCASTER LABORATORIES

Sample Number: 9004815 RI ACF ABA5316 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 8:56:50 PM Sample Weight: 10.41
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	4425881	30.417	TCX	2.619	6729893	33.949	TCX
6.635	3002553	28.935	DCB	6.127	7800578	31.788	DCB

Files:
Area File: 25pcbs17116021.036.RAW
Area File: 25pcbs17116021B.036.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 9:05:22 PM
File Reported On: 5/26/2017 at 9:05:31 PM

9004815 RI ACF ABA5316 T 171450004A 10225 SW-846 8082

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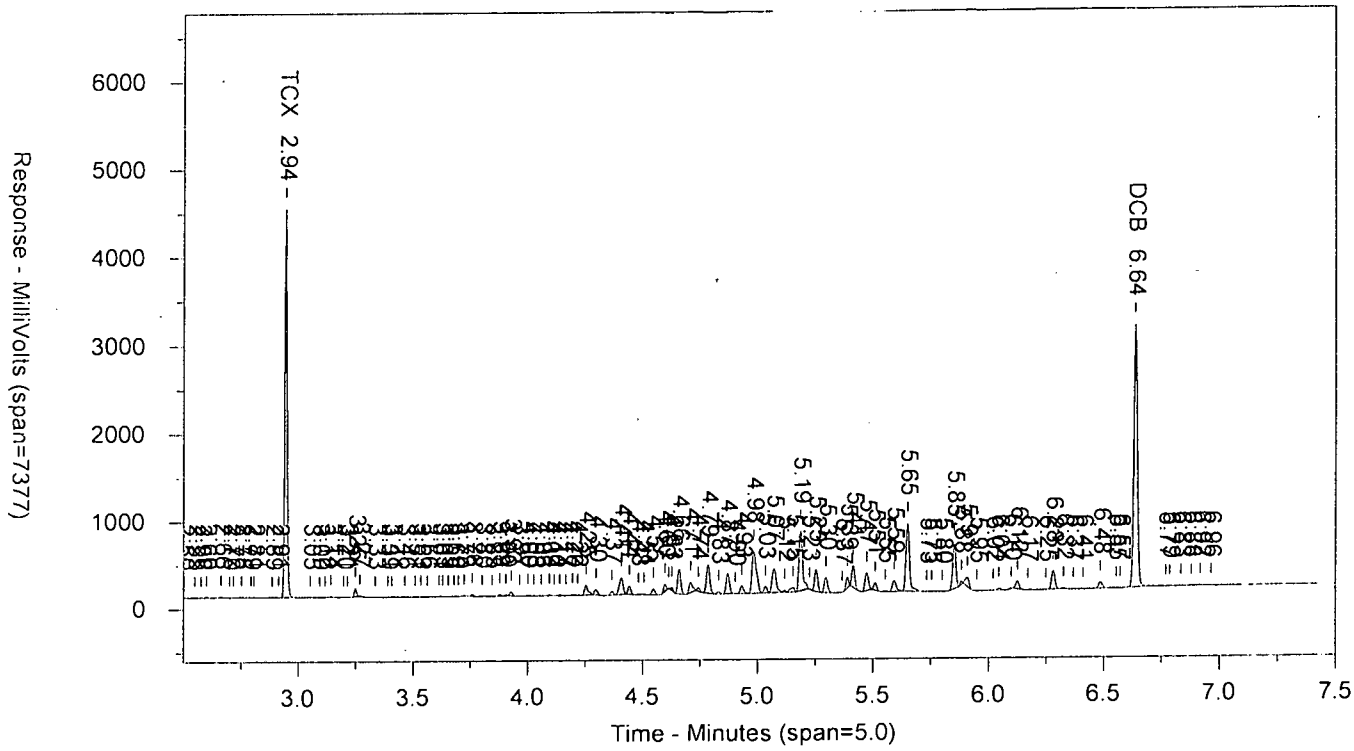

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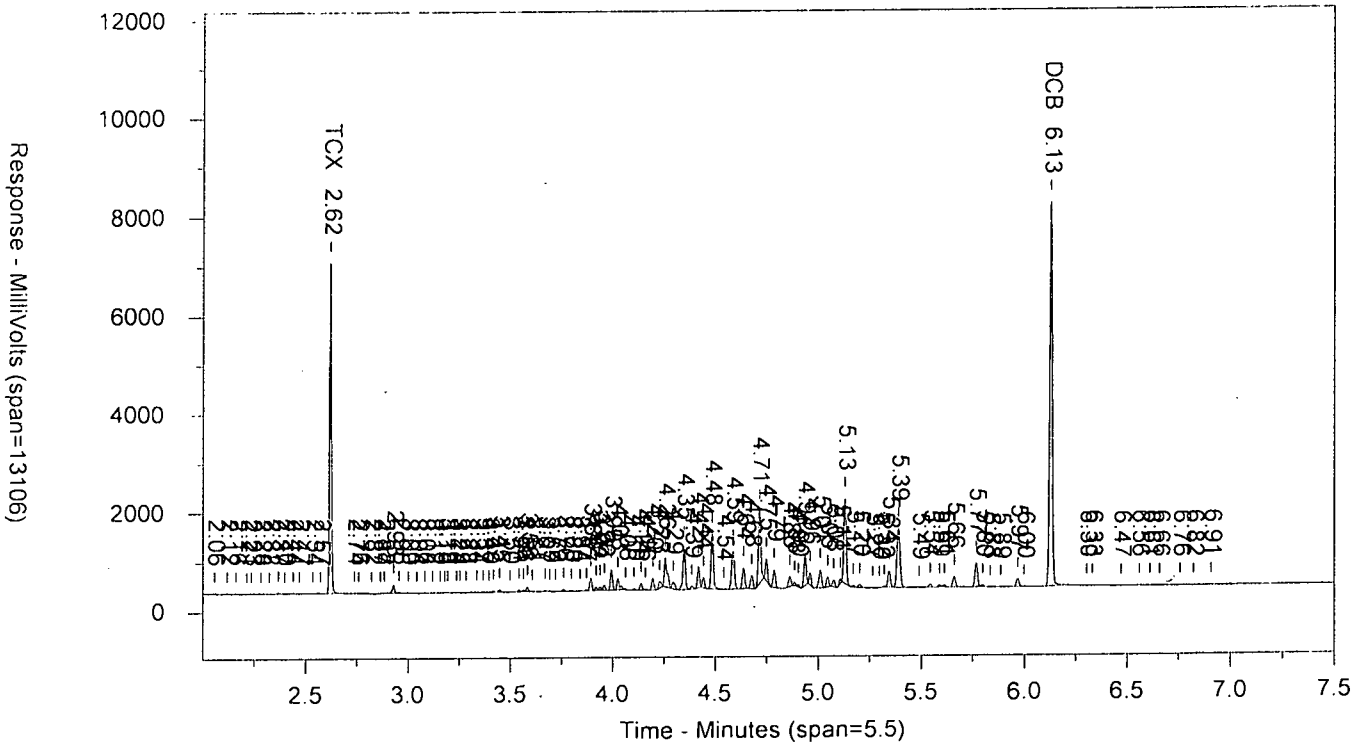

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Data Summary

Sample Name: 9004816 ACF DF20 A5317 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.02 g Total Volume: 200 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 21:08:20
Instrument	18274A
Result file	25PCBS17116021.037.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 98% (61 - 152) Conc: 28.54007
%SSR(DCB) 121% (48 - 164) Conc: 35.2664

Analysis Report (B)

Injected on	May 26, 2017 21:08:20
Instrument	18274B
Result file	25PCBS17116021B.037.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 28.28391
%SSR(DCB) 119% (48 - 164) Conc: 34.82149

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.95	2.97	199857	28.54007
Decachlorobiphenyl	6.61	6.64	6.67	176125	35.2664

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	269841	28.28391
Decachlorobiphenyl	6.10	6.13	6.16	411246	34.82149

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	28.54007				0.90	
☑ Decachlorobiphenyl	A	35.2664				1.27	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**5.69**	
4.76	4.79	4.80	559021.6	2306.807757			1
5.23	5.26	5.27	385086.9	2336.353315			3
5.40	5.42	5.44	388489.5	2163.010341			4
5.63	5.65	5.67	1217155	2499.485688			5
5.83	5.85	5.87	732196.6	2461.795343			6

Height summation: **3281949.6**
Concentration CF: **2353.490489** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.19**	
4.33	4.35	4.37	1513750	2877.317561			1
4.47	4.49	4.51	1876535	3113.870255			2
4.57	4.59	4.61	1291308	2496.131575			3
4.92	4.94	4.96	968015.5	2335.426569			4
5.11	5.13	5.15	2706154	2647.461035			5
5.37	5.39	5.41	1857300	3029.267516			6

Height summation: **10213062.5**
Concentration CF: **2749.912419** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<1017.9641	<197.6048			4	
☑ PCB-1221			<1017.9641	<305.3892			3	
☑ PCB-1232			<1017.9641	<245.509			4	
☑ PCB-1242			<1017.9641	<245.509			4	
☑ PCB-1248			<1017.9641	<197.6048			4	
☑ PCB-1254			<1017.9641	<263.4731			4	
☑ PCB-1260	B	2749.912419	1017.9641	233.5329		15.54	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004816** ACF DF20 A5317 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.02 g Total Volume: 200 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 21:08:20
Instrument : CP25--18274A
Result file : 25PCBS17116021.037.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 98% (61-152) Conc.: 28.54007
%SSR(DCB) : 121% (48-164) Conc.: 35.2664

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	178.93	
3.18	3.20	3.22	1095.614	9.390078			1
3.51	3.54	3.55	1510.382	10.765773			3
3.73	3.76	3.77	3167.295	18.581064			4
3.79	3.81	3.83	4121.514	27.06927			5
3.98	4.00	4.02	36962.76	343.999551			6
Height Summation:			**46857.565**				
Amount Avg CF:			**81.961147**	Linear:			
Aroclor-1221					3	100.52	
3.07	3.09	3.11	634.814	11.169494			1
3.13	3.14	3.17	2398.618	45.974841			2
3.18	3.20	3.22	1095.614	6.86145			3
Height Summation:			**4129.046**				
Amount Avg CF:			**21.335262**	Linear:			
Aroclor-1232					5	186.08	
3.18	3.20	3.22	1095.614	7.678854			1
3.52	3.54	3.56	1510.382	21.69395			3
3.74	3.76	3.78	3167.295	37.095783			4
3.79	3.81	3.83	4121.514	58.017948			5
3.99	4.00	4.03	36962.76	795.858249			6
Height Summation:			**46857.565**				
Amount Avg CF:			**184.068957**	Linear:			
Aroclor-1242					5	178.47	
3.18	3.20	3.22	1095.614	11.06499			1
3.51	3.54	3.55	1510.382	12.894163			3
3.73	3.76	3.77	3167.295	22.311598			4
3.79	3.81	3.83	4121.514	33.85928			5
3.98	4.00	4.02	36962.76	413.540005			6
Height Summation:			**46857.565**				
Amount Avg CF:			**98.734007**	Linear:			
Aroclor-1248					6	153.19	
3.79	3.81	3.83	4121.514	47.205447			1
3.86	3.88	3.90	65918.27	480.800491			2
3.98	4.00	4.02	36962.76	233.133193			3
4.07	4.09	4.11	23116.38	169.433368			4
4.25	4.26	4.29	248699	1831.728808			5
4.64	4.66	4.68	598447.9	5395.637939			6
Height Summation:			**977265.824**				
Amount Avg CF:			**1359.656541**	Linear:			
Aroclor-1254					6	54.55	
4.24	4.26	4.28	248699	1703.160263			1
4.58	4.60	4.62	241677.3	1394.402472			2
4.64	4.66	4.68	598447.9	1785.731649			3
4.77	4.79	4.81	559021.6	5161.996292			4
4.86	4.87	4.89	560576.9	2274.223307			5
5.05	5.07	5.09	576520.8	3144.692274			6
Height Summation:			**2784943.5**				
Amount Avg CF:			**2577.36771**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 21:08:20
Instrument : CP25--18274B
Result file : 25PCBS17116021B.037.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 97% (61-152) Conc.: 28.28391
%SSR(DCB) : 119% (48-164) Conc.: 34.82149

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	119.85	
3.22	3.24	3.26	3732.513	17.085122			2
3.41	3.42	3.45	6048.027	24.49051			3
+ 3.41	3.45	3.45	5423.437	21.961334			3
3.49	3.51	3.53	5701.11	22.190258			4
3.65	3.67	3.69	78905.77	378.956859			5
3.74	3.76	3.78	50238.56	264.069402			6
Height Summation:			**144625.98**				
Amount Avg CF:			**141.35843**	Linear:			
Aroclor-1221					2	27.31	
2.77	2.79	2.81	3506.287	41.188063			1
2.84	2.85	2.88	3201.599	60.902248			2
Height Summation:			**6707.886**				
Amount Avg CF:			**51.045156**	Linear:			
Aroclor-1232					5	122.30	
3.22	3.24	3.26	3732.513	36.205787			2
3.41	3.42	3.45	6048.027	54.577616			3
+ 3.41	3.45	3.45	5423.437	48.941293			3
3.49	3.51	3.53	5701.11	49.816572			4
3.65	3.67	3.69	78905.77	895.290228			5
3.75	3.76	3.79	50238.56	571.087704			6
Height Summation:			**144625.98**				
Amount Avg CF:			**321.395581**	Linear:			
Aroclor-1242					5	120.01	
3.22	3.24	3.26	3732.513	21.394133			2
3.41	3.42	3.45	6048.027	30.492331			3
+ 3.41	3.45	3.45	5423.437	27.343336			3
3.49	3.51	3.53	5701.11	28.171834			4
3.65	3.67	3.69	78905.77	466.357813			5
3.74	3.76	3.78	50238.56	310.513647			6
Height Summation:			**144625.98**				
Amount Avg CF:			**171.385952**	Linear:			
Aroclor-1248					6	165.69	
3.41	3.42	3.45	6048.027	61.234344			1
+ 3.41	3.45	3.45	5423.437	54.910569			1
3.52	3.54	3.56	125379.2	496.895485			2
3.65	3.67	3.69	78905.77	261.472075			3
3.74	3.76	3.78	50238.56	217.971612			4
3.88	3.89	3.92	593209.2	1279.858943			5
4.24	4.26	4.28	1310007	5966.798453			6
Height Summation:			**2163787.757**				
Amount Avg CF:			**1380.705152**	Linear:			
Aroclor-1254					6	61.87	
4.18	4.20	4.22	634078.4	1647.885051			1
4.24	4.26	4.28	1310007	1854.387389			2
4.33	4.35	4.37	1513750	4667.101465			3
4.40	4.42	4.44	1128776	2389.718972			4
4.47	4.49	4.51	1876535	7164.795958			5
4.62	4.64	4.66	987723.1	2866.635153			6
Height Summation:			**7450869.5**				
Amount Avg CF:			**3431.753998**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004816** ACF DF20 A5317 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.02 g Total Volume: 200 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 21:08:20
Instrument : CP25--18274A
Result file : 25PCBS17116021.037.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	27.42	
4.76	4.79	4.80	559021.6	2306.807757			1
5.05	5.07	5.09	576520.8	4106.009164			2
5.23	5.26	5.27	385086.9	2336.353315			3
5.40	5.42	5.44	388489.5	2163.010341			4
5.63	5.65	5.67	1217155	2499.485688			5
5.83	5.85	5.87	732196.6	2461.795343			6
Height Summation:			**3858470.4**				
Amount Avg CF:			**2645.576935**	Linear:			
Aroclor-1262					6	24.07	
5.23	5.26	5.27	385086.9	1309.205315			1
5.40	5.42	5.44	388489.5	1533.897855			2
5.63	5.65	5.67	1217155	1864.118961			3
5.83	5.85	5.87	732196.6	1828.011056			4
5.89	5.91	5.93	167198	910.65195			5
6.26	6.28	6.30	333227	1405.91485			6
Height Summation:			**3223353**				
Amount Avg CF:			**1475.299998**	Linear:			
Aroclor-1268					6	93.68	
5.83	5.85	5.87	732196.6	1035.250077			1
5.89	5.91	5.93	167198	259.800853			2
6.03	6.05	6.07	11429.32	19.122185			3
+ 6.09	6.10	6.13	19768.46	127.142478			4
6.09	6.13	6.13	141831.5	912.200972			4
6.26	6.28	6.30	333227	1315.33255			5
6.47	6.49	6.51	85083.02	40.899133			6
Height Summation:			**1470965.44**				
Amount Avg CF:			**597.100962**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 21:08:20
Instrument : CP25--18274B
Result file : 25PCBS17116021B.037.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	11.19	
4.33	4.35	4.37	1513750	2877.317561			1
4.47	4.49	4.51	1876535	3113.870255			2
4.57	4.59	4.61	1291308	2496.131575			3
4.92	4.94	4.96	968015.5	2335.426569			4
5.11	5.13	5.15	2706154	2647.461035			5
5.37	5.39	5.41	1857300	3029.267516			6
Height Summation:			**10213062.5**				
Amount Avg CF:			**2749.912418**	Linear:			
Aroclor-1262					6	29.60	
4.73	4.75	4.77	677591.8	1022.801423			1
4.92	4.94	4.96	968015.5	1477.476846			2
5.11	5.13	5.15	2706154	1973.783038			3
5.33	5.35	5.36	527549.6	1023.324944			4
5.37	5.39	5.41	1857300	2075.41059			5
5.75	5.77	5.79	790614.2	1538.268785			6
Height Summation:			**7527225.1**				
Amount Avg CF:			**1518.510938**	Linear:			
Aroclor-1268					6	123.46	
5.33	5.35	5.37	527549.6	323.923929			1
5.37	5.39	5.41	1857300	1172.628305			2
5.53	5.54	5.57	31290.54	22.707374			3
5.59	5.61	5.63	18543.42	54.648877			4
5.75	5.77	5.79	790614.2	1377.490456			5
5.95	5.97	5.99	188266	38.473971			6
Height Summation:			**3413563.76**				
Amount Avg CF:			**498.312152**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1017.964	197.6048		** 53.19	4	40	
Aroclor-1221			1017.964	305.3892		** 82.09	3	5	
Aroclor-1232			1017.964	245.509		** 54.34	4	10	
Aroclor-1242			1017.964	245.509		** 53.79	4	30	
Aroclor-1248			1017.964	197.6048		1.54	4	40	
Aroclor-1254			1017.964	263.473		28.44	4	40	
Aroclor-1260			1017.964	233.5329		3.87	4	40	
Aroclor-1262			1017.964	197.6048		2.89	4	40	
Aroclor-1268			1017.964	197.6048		18.04	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004816ACF DF20 ACA5317 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:08:20 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.037.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		565	561
2.053		6632	8010
2.089		6774	9110
2.146		3571	3962
2.213		74397	57984
2.297		679	472
2.34		5340	3671
2.376		2734	4733
2.504		2965	4122
2.549		561	459
2.602		2285	1696
2.665		40739	30374
2.702		1074	833
2.759		1924	2937
2.793		1461	855
2.887		1523	1356
2.916		1160	900
2.945	TCX	199857	140233
3.055		3056	2579
3.093		635	869
3.145		2399	2281
3.2		1096	705
3.227		1032	649
3.251		66974	42335
3.269		10716	4898
3.311		1336	1114
3.394		1146	1324
3.47		1372	1067
3.502		534	429
3.536		1510	1522
3.622		521	579
3.702		668	579
3.716		3310	3496
3.757		3167	4034
3.808		4122	3936
3.848		1593	1784
3.88		65918	49094
3.907		17982	12246
3.93		9093	5881
4.004		36963	28989
4.028		4923	3080
4.06		8815	6737
4.094		23116	20302
4.134		6292	6035
4.198		10266	7505
4.22		5951	3988
4.256		248699	267381
4.298		109976	93715
4.368		73655	61436
4.411		406808	458786
4.445		208370	175825
4.486		9470	6699
4.508		23681	17952
4.549		164188	150782

RT A	Compound A	Height A	Area A
4.6		241677	210136
4.631		105543	69869
4.661		598448	551223
4.71		191082	189595
4.745		102037	79019
4.787		559022	556089
4.832		63646	57084
4.872		560577	538831
4.905		8011	4834
4.934		131351	147795
4.985		818790	1058629
5.036		113599	100122
5.072		576521	673394
5.118		45526	31629
5.154		80922	103843
5.189		1245105	1258118
5.229		23198	11177
5.255		385087	359359
5.298		269188	273272
5.392		245667	200457
5.417		388490	337791
5.473		230244	219358
5.511		142552	146675
5.554		19351	18947
5.591		228956	288319
5.652		1217155	1280910
5.737		1788	1881
5.77		964	739
5.801		1199	1402
5.854		732197	726934
5.884		54808	34104
5.911		167198	188213
5.956		1094	1173
6.023		1777	1966
6.048		11429	10445
6.098		19768	15682
6.126		141832	135491
6.161		670	590
6.282		333227	348336
6.327		24722	23014
6.41		1200	1491
6.453		639	257
6.487		85083	89750
6.543		156	252
6.576		647	1124
6.638	DCB	176125	194115
6.673		1153	616
6.689		585	518
6.746		759	1140
6.787		1964	3183
6.838		2088	3360
6.894		755	1445
6.924		3500	5619

LANCASTER LABORATORIES

Sample Number: 9004816ACF DF20 ACA5317 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:08:20 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.037.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.158		2147	1309
2.207		879	913
2.237		2414	2298
2.282		1770	2089
2.324		1323	657
2.367		58308	46164
2.477		2978	5703
2.546		960	952
2.574		2322	1462
2.62	TCX	269841	175381
2.724		1993	3420
2.767		2344	2333
2.792		3506	2049
2.821		2745	3007
2.853		3202	2780
2.883		1550	851
2.929		121788	96755
3.006		838	1229
3.033		2276	2445
3.078		1097	594
3.118		4624	4236
3.202		2792	3135
3.238		3733	2380
3.283		3440	4071
3.338		2042	2967
3.368		1992	1676
3.397		9670	7658
3.418		6048	3365
3.448		5423	4409
3.508		5701	3370
3.543		125379	79789
3.566		45260	25387
3.585		22051	11504
3.671		78906	51176
3.694		14494	7599
3.716		17289	12099
3.761		50239	37911
3.802		14531	10633
3.842		13823	13059
3.873		67830	39878
3.895		593209	393865
3.92		169385	100708
3.94		63900	34380
3.96		165193	109351
3.994		857029	610994
4.027		443187	279857
4.044		94414	44650
4.105		59797	48881
4.14		342241	260179
4.197		634078	473962
4.231		306434	249875
4.258		1310007	1164174
4.297		228455	231196
4.35		1513751	1191868

RT B	Compound B	Height B	Area B
4.387		142029	111009
4.42		1128776	789210
4.444		316942	219452
4.486		1876535	1537841
4.588		1291308	1308405
4.639		987723	818326
4.68		446624	382321
4.716		2480294	2080351
4.749		677592	472992
4.787		562911	450726
4.847		8009	5033
4.862		11501	7215
4.887		136687	92087
4.904		65420	39327
4.938		968016	749631
4.962		479967	336075
5.012		570147	510844
5.047		318441	248023
5.077		211504	171717
5.109		219280	136215
5.131		2706154	2195645
5.172		55195	39441
5.203		86982	74401
5.27		3462	2036
5.322		30451	17820
5.345		527550	438315
5.389		1857300	2047718
5.545		31291	27681
5.59		64566	50096
5.613		18543	12299
5.662		335045	287756
5.743		2549	1522
5.769		790614	658490
5.801		51879	38246
5.969		188266	172121
6.128	DCB	411246	371724
6.309		2453	2151
6.4		3079	2527
6.559		3267	3119
6.614		3877	3547
6.659		1629	1695
6.74		725	1028
6.842		1362	2131

9004816ACF DF20 ACA5317 T 171450004A 10225 SW-846 8082

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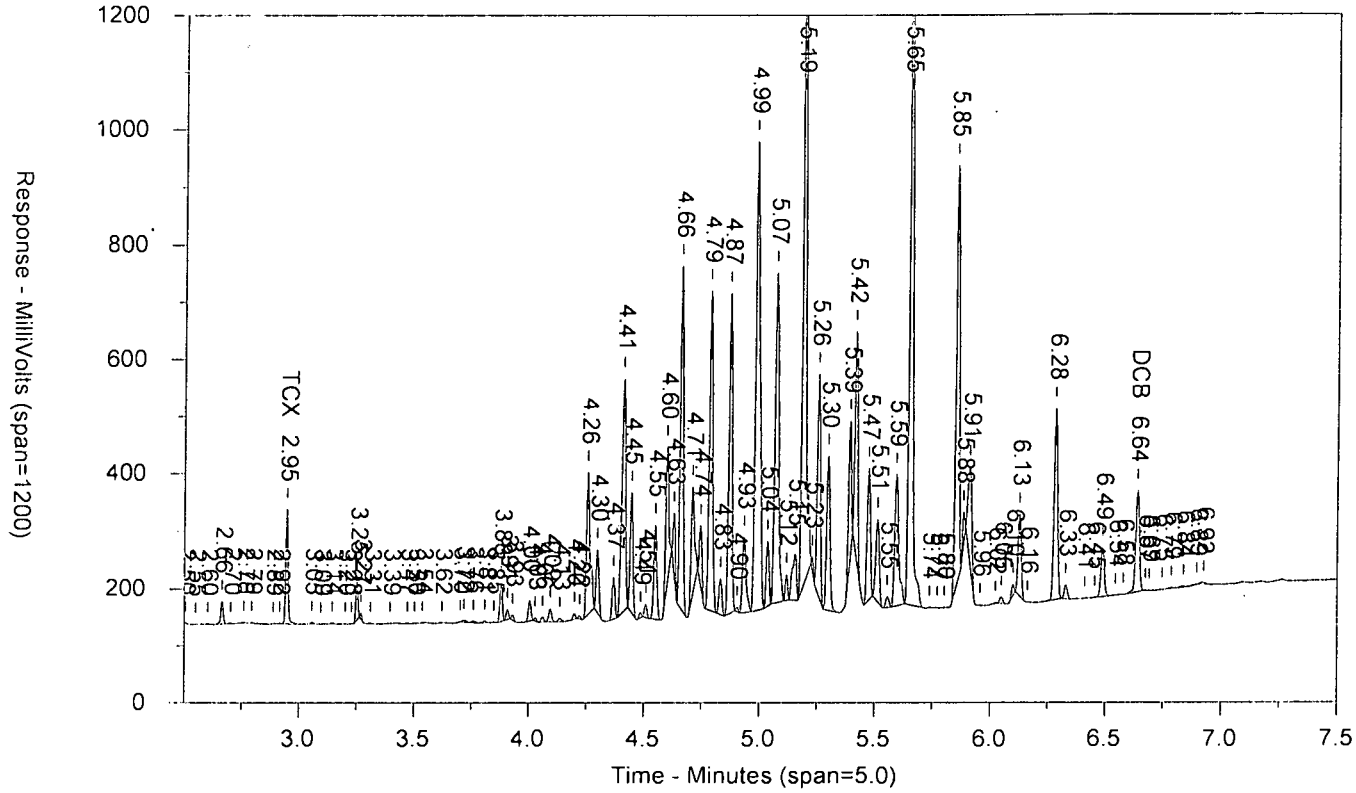

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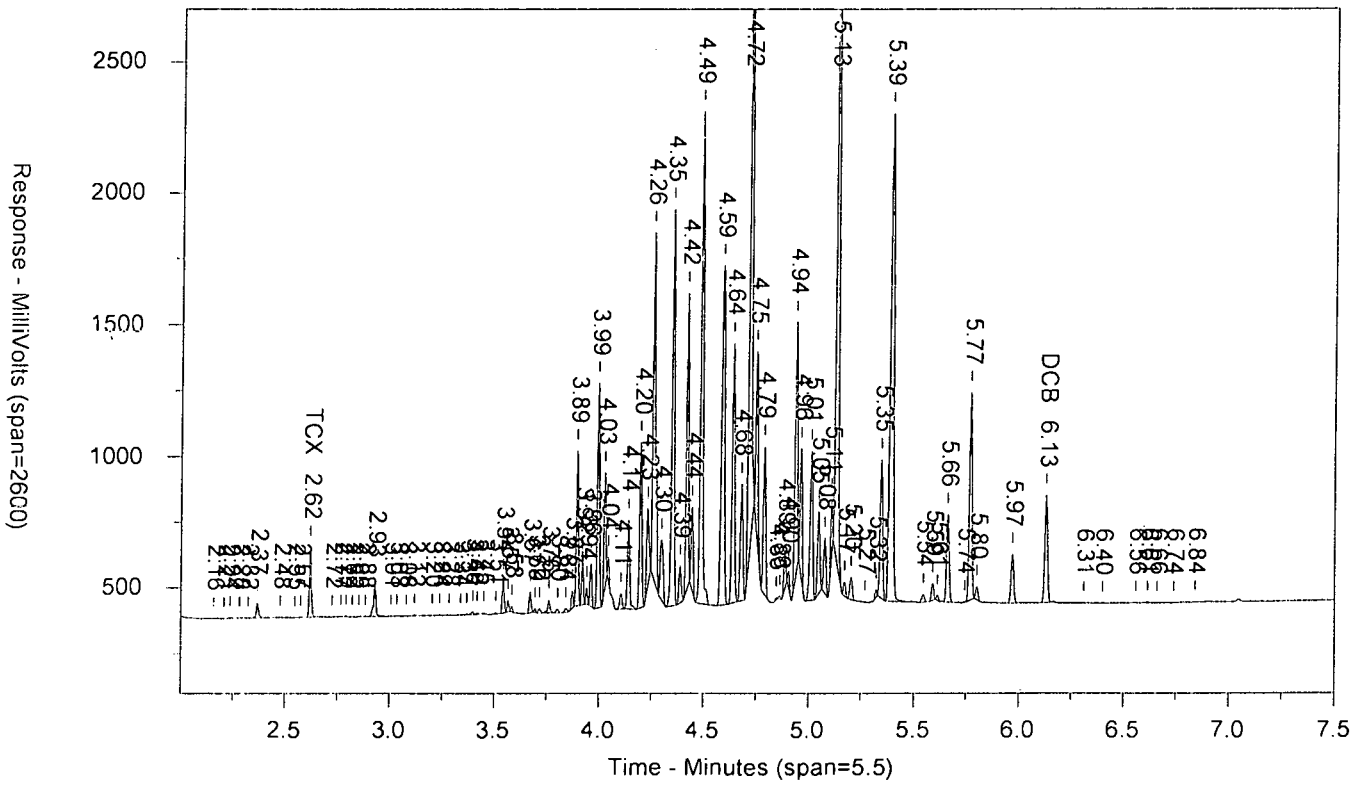


LANCASTER LABORATORIES

Sample Number: 9004816ACF DF20 ACA5317 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:08:20 PM Sample Weight: 10.02
Instrument ID: CP25-18274 Dilution Factor: 200
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

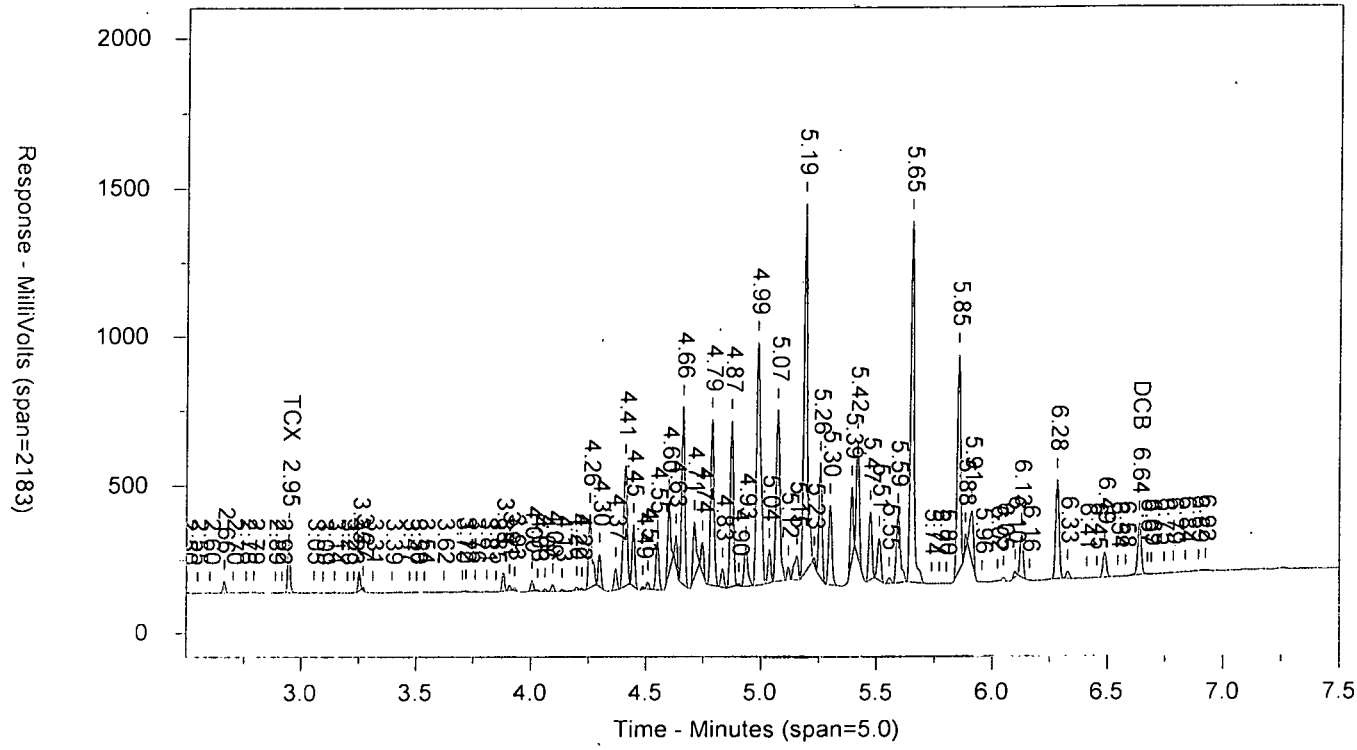
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	199857	28.54	TCX	2.62	269841	28.284	TCX
6.638	176125	35.266	DCB	6.128	411246	34.821	DCB

Files:
Area File: 25pcbs17116021.037.RAW
Area File: 25pcbs17116021B.037.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 9:16:51 PM
File Reported On: 5/26/2017 at 9:16:57 PM

9004816ACF DF20 ACA5317 T 171450004A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116021.037.RAW



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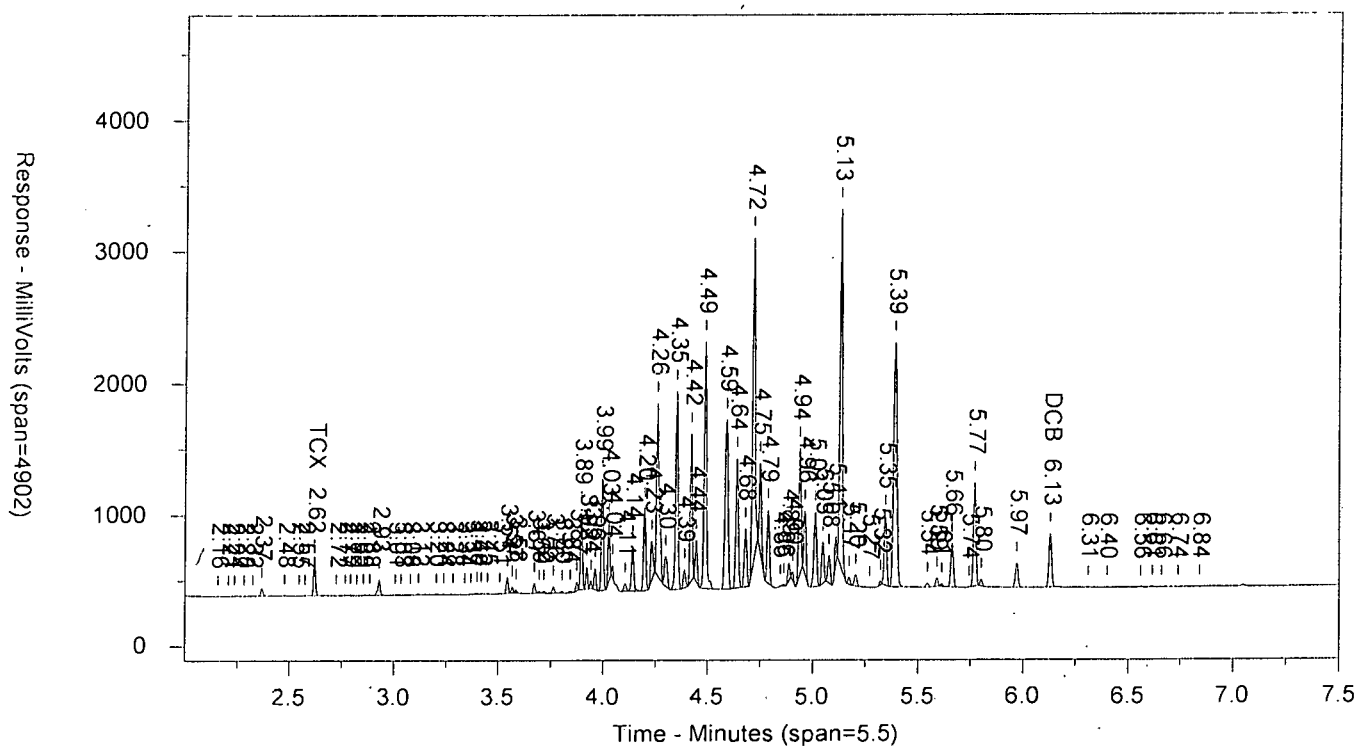

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Data Summary

Sample Name: 9004817 RI ACF A5318 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.45 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 30, 2017 23:51:23
Instrument	17342A
Result file	20PCBS17137012.029.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 101% (61 - 152) Conc: 28.25363
%SSR(DCB) 89% (48 - 164) Conc: 24.84126

Analysis Report (B)

Injected on	May 30, 2017 23:51:23
Instrument	17342B
Result file	20PCBS17137012B.029.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 27.74742
%SSR(DCB) 94% (48 - 164) Conc: 26.39326

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3355241	28.25363
Decachlorobiphenyl	6.58	6.61	6.64	1786412	24.84126

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	20045230	27.74742
Decachlorobiphenyl	6.08	6.11	6.14	13436850	26.39326

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	28.25363				1.81	
☑ Decachlorobiphenyl	B	26.39326				6.06	

Multiple Component Data

Aroclor-1260 (%RSD 15.46)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.73	4.76	4.77	866223.8	197.790353			1
5.20	5.23	5.24	557658.6	196.814119			3
5.37	5.39	5.41	475279.1	147.011221			4
5.61	5.63	5.65	1737780	221.741048			5
5.82	5.84	5.86	974738.8	221.404643			6

Height summation: **4611680.3**
Concentration CF: **196.952277** L:

Aroclor-1260 (%RSD 8.33)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.31	4.33	4.35	7054587	239.104093			1
4.44	4.46	4.48	9105793	261.711152			2
4.55	4.57	4.59	6170906	220.440315			3
4.90	4.92	4.94	4384956	203.780852			4
5.09	5.11	5.13	11401850	233.488028			5
5.35	5.37	5.39	7650847	234.207484			6

Height summation: **45768939**
Concentration CF: **232.121987** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<48.8038	<9.4737			4	
☑ PCB-1221			<48.8038	<14.6411			3	
☑ PCB-1232			<48.8038	<11.7703			4	
☑ PCB-1242			<48.8038	<11.7703			4	
☑ PCB-1248			<48.8038	<9.4737			4	
☑ PCB-1254			<48.8038	<12.6316			4	
☑ PCB-1260	B	232.121987	48.8038	11.1962		16.39	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 31 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 31 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004817** RI ACF A5318 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.45 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 30, 2017 23:51:23
Instrument : CP20--17342A
Result file : 20PCBS17137012.029.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 101% (61-152) Conc.: 28.25363
%SSR(DCB) : 89% (48-164) Conc.: 24.84126

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**155.11**	
3.16	3.19	3.20	3382.941	1.577711			1
3.37	3.40	3.41	3709.918	1.694425			2
3.49	3.51	3.53	2445.239	0.991982			3
3.71	3.73	3.75	11106.83	4.066865			4
3.76	3.79	3.80	6568.944	2.940711			5
3.96	3.98	4.00	45084.3	25.171213			6
Height Summation:			**72298.172**				
Amount Avg CF:			**6.073818**	Linear:			
Aroclor-1221					**3**	**87.56**	
3.06	3.07	3.10	2212.917	2.154425			1
3.11	3.12	3.15	5891.694	6.634913			2
3.16	3.19	3.20	3382.941	1.179266			3
Height Summation:			**11487.552**				
Amount Avg CF:			**3.322868**	Linear:			
Aroclor-1232					**6**	**165.53**	
3.16	3.19	3.20	3382.941	1.314664			1
3.38	3.40	3.42	3709.918	3.582954			2
3.49	3.51	3.53	2445.239	2.152257			3
3.71	3.73	3.75	11106.83	9.011849			4
3.77	3.79	3.81	6568.944	6.798463			5
3.96	3.98	4.00	45084.3	60.3603			6
Height Summation:			**72298.172**				
Amount Avg CF:			**13.870081**	Linear:			
Aroclor-1242					**6**	**156.33**	
3.16	3.19	3.20	3382.941	1.841657			1
3.38	3.40	3.42	3709.918	2.045277			2
3.49	3.51	3.53	2445.239	1.231111			3
3.71	3.73	3.75	11106.83	4.970884			4
3.77	3.79	3.81	6568.944	3.754963			5
3.96	3.98	4.00	45084.3	31.524742			6
Height Summation:			**72298.172**				
Amount Avg CF:			**7.561439**	Linear:			
Aroclor-1248					**6**	**161.67**	
3.76	3.79	3.80	6568.944	5.416342			1
3.83	3.85	3.87	76310.91	34.598812			2
3.96	3.98	4.00	45084.3	17.356805			3
4.05	4.07	4.09	34727.22	16.082743			4
4.23	4.23	4.27	314695.4	123.028011			5
+ 4.23	4.25	4.27	65025.85	25.421411			5
4.61	4.63	4.65	860433.7	458.875335			6
Height Summation:			**1337820.474**				
Amount Avg CF:			**109.226341**	Linear:			
Aroclor-1254					**6**	**69.03**	
4.21	4.23	4.25	314695.4	104.346337			1
4.55	4.57	4.59	331724.4	109.448604			2
4.61	4.63	4.65	860433.7	140.561121			3
4.73	4.76	4.77	866223.8	471.443428			4
4.83	4.85	4.87	712625.1	176.161985			5
5.14	5.16	5.18	1708970	411.261661			6
Height Summation:			**4794672.4**				
Amount Avg CF:			**235.537189**	Linear:			

Analysis Report (B)

Injected on : May 30, 2017 23:51:23
Instrument : CP20--17342B
Result file : 20PCBS17137012B.029.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 99% (61-152) Conc.: 27.74742
%SSR(DCB) : 94% (48-164) Conc.: 26.39326

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**106.02**	
+ 3.21	3.23	3.25	14793.6	1.007434			2
3.21	3.24	3.25	29911.35	2.036943			2
+ 3.40	3.40	3.44	21258.51	1.440731			3
3.40	3.42	3.44	31738.75	2.150997			3
3.47	3.49	3.51	46510.83	2.665435			4
3.63	3.65	3.67	332432.4	22.674752			5
+ 3.72	3.72	3.76	81628.17	6.49756			6
3.72	3.74	3.76	195234	15.540526			6
Height Summation:			**635827.33**				
Amount Avg CF:			**9.013731**	Linear:			
Aroclor-1221					**2**	**97.22**	
2.77	2.78	2.81	189684.8	30.417285			1
2.83	2.85	2.87	21656.94	5.633673			2
Height Summation:			**211341.74**				
Amount Avg CF:			**18.025479**	Linear:			
Aroclor-1232					**5**	**104.29**	
+ 3.21	3.23	3.25	14793.6	2.120297			2
3.21	3.24	3.25	29911.35	4.287053			2
+ 3.40	3.40	3.44	21258.51	3.405636			3
3.40	3.42	3.44	31738.75	5.084581			3
3.47	3.49	3.51	46510.83	6.064815			4
+ 3.66	3.67	3.70	86996.19	41.538209			5
3.66	3.70	3.70	102035.1	48.718861			5
3.73	3.74	3.77	195234	35.555772			6
Height Summation:			**405430.03**				
Amount Avg CF:			**19.942217**	Linear:			
Aroclor-1242					**5**	**107.78**	
+ 3.21	3.23	3.25	14793.6	1.219184			2
3.21	3.24	3.25	29911.35	2.465082			2
+ 3.40	3.40	3.44	21258.51	1.781584			3
3.40	3.42	3.44	31738.75	2.659888			3
3.47	3.49	3.51	46510.83	3.410477			4
3.64	3.65	3.68	332432.4	29.606116			5
+ 3.64	3.67	3.68	86996.19	7.747799			5
3.73	3.74	3.77	195234	19.411473			6
Height Summation:			**635827.33**				
Amount Avg CF:			**11.510607**	Linear:			
Aroclor-1248					**6**	**166.72**	
+ 3.40	3.40	3.44	21258.51	3.652965			1
3.40	3.42	3.44	31738.75	5.453841			1
3.51	3.53	3.55	572378.2	34.872514			2
3.63	3.65	3.67	332432.4	16.211145			3
+ 3.72	3.72	3.76	81628.17	5.512825			4
3.72	3.74	3.76	195234	13.185288			4
3.86	3.87	3.90	2866920	102.223104			5
4.22	4.23	4.26	5531226	446.063046			6
Height Summation:			**9529929.35**				
Amount Avg CF:			**103.00149**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004817** RI ACF A5318 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10.45 g Total Volume: 10 ml Analyst: 9065 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 30, 2017 23:51:23
Instrument : CP20--17342A
Result file : 20PCBS17137012.029.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	36.93	
4.73	4.76	4.77	866223.8	197.790353			1
5.03	5.05	5.07	952877.2	393.775721			2
5.20	5.23	5.24	557658.6	196.814119			3
+ 5.37	5.37	5.41	69785.86	21.585852			4
5.37	5.39	5.41	475279.1	147.011221			4
5.61	5.63	5.65	1737780	221.741048			5
5.82	5.84	5.86	974738.8	221.404643			6
Height Summation:			**5564557.5**				
Amount Avg CF:			**229.756184**	Linear:			
Aroclor-1262					6	43.00	
5.21	5.23	5.24	557658.6	106.895864			1
+ 5.37	5.37	5.41	69785.86	16.558664			2
5.37	5.39	5.41	475279.1	112.773371			2
5.61	5.63	5.65	1737780	170.600357			3
5.81	5.84	5.85	974738.8	173.15125			4
+ 5.87	5.87	5.91	87582.27	31.405916			5
5.87	5.89	5.91	94685.63	33.953093			5
6.25	6.27	6.29	389762.7	114.882194			6
Height Summation:			**4229904.83**				
Amount Avg CF:			**118.709355**	Linear:			
Aroclor-1268					6	119.45	
5.81	5.84	5.85	974738.8	77.867151			1
+ 5.87	5.87	5.91	87582.27	8.018804			2
5.87	5.89	5.91	94685.63	8.669169			2
6.00	6.02	6.04	40620.99	3.988528			3
6.07	6.09	6.11	38387.43	16.44076			4
6.25	6.27	6.29	389762.7	92.653252			5
6.45	6.47	6.49	107919.5	3.278199			6
Height Summation:			**1646115.05**				
Amount Avg CF:			**33.816176**	Linear:			

Analysis Report (B)

Injected on : May 30, 2017 23:51:23
Instrument : CP20--17342B
Result file : 20PCBS17137012B.029.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	70.32	
4.16	4.17	4.19	2259796	103.439877			1
4.22	4.23	4.26	5531226	142.692277			2
4.31	4.33	4.35	7054587	391.2218			3
4.38	4.40	4.42	4411186	169.283174			4
4.44	4.46	4.48	9105793	606.810204			5
4.60	4.62	4.64	4104764	224.533013			6
Height Summation:			**32467352**				
Amount Avg CF:			**272.996724**	Linear:			
Aroclor-1260					6	8.33	
4.31	4.33	4.35	7054587	239.104093			1
4.44	4.46	4.48	9105793	261.711152			2
4.55	4.57	4.59	6170906	220.440315			3
4.90	4.92	4.94	4384956	203.780852			4
5.09	5.11	5.13	11401850	233.488028			5
5.35	5.37	5.39	7650847	234.207484			6
Height Summation:			**45768939**				
Amount Avg CF:			**232.121987**	Linear:			
Aroclor-1262					6	33.31	
4.71	4.73	4.75	2986623	88.176323			1
4.90	4.92	4.94	4384956	130.143954			2
5.09	5.11	5.13	11401850	177.910849			3
5.31	5.32	5.35	2030419	76.458013			4
5.35	5.37	5.39	7650847	178.989809			5
5.73	5.75	5.77	2918026	126.141267			6
Height Summation:			**31372721**				
Amount Avg CF:			**129.636702**	Linear:			
Aroclor-1268					6	111.96	
5.31	5.32	5.35	2030419	23.476352			1
5.35	5.37	5.39	7650847	87.373013			2
5.51	5.52	5.55	301948.2	4.013744			3
5.57	5.59	5.61	253840.7	13.956121			4
5.73	5.75	5.77	2918026	99.000035			5
5.93	5.95	5.97	747717.8	3.337832			6
Height Summation:			**13902798.7**				
Amount Avg CF:			**38.526183**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			48.8038	9.4737		38.97	4	40	
Aroclor-1221			48.8038	14.6411		** 137.74	3	5	
Aroclor-1232			48.8038	11.7703		35.92	4	10	
Aroclor-1242			48.8038	11.7703		** 41.41	4	30	
Aroclor-1248			48.8038	9.4737		5.87	4	40	
Aroclor-1254			48.8038	12.6316		14.73	4	40	
Aroclor-1260			48.8038	11.1962		1.02	4	40	
Aroclor-1262			48.8038	9.4737		8.80	4	40	
Aroclor-1268			48.8038	9.4737		13.02	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004817 RI ACF ABA5318 T 171450004A 10225 SW-846 8082
Injected On: 5/30/2017 11:51:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137012.029.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.005		2237	1011
2.037		6397	6943
2.101		11363	13871
2.13		53353	36188
2.198		78637	52582
2.217		7292	3443
2.31		43350	27853
2.329		3631	1787
2.387		13969	13258
2.424		2024	3074
2.493		2079	2056
2.57		2616	2049
2.648		53094	47051
2.733		2633	3581
2.829		2589	2148
2.924	TCX	3355241	2254885
3.037		30941	19649
3.068		2213	2073
3.123		5892	3878
3.192		3383	4235
3.229		385498	339912
3.294		1140	755
3.396		3710	2676
3.465		1709	990
3.511		2445	2273
3.586		8710	5983
3.66		1872	1849
3.694		6145	6935
3.73		11107	8881
3.787		6569	6250
3.854		76311	58596
3.881		22560	19266
3.902		7526	3691
3.977		45084	33186
4.002		6343	3945
4.032		10452	7252
4.067		34727	36359
4.109		7934	6358
4.137		1749	1143
4.155		1391	909
4.189		12076	9460
4.226		314695	236534
4.246		65026	37574
4.27		139399	103225
4.338		103642	87731
4.379		595325	584516
4.414		275115	226639
4.454		14642	10638
4.478		31919	24235
4.519		231398	206958
4.573		331724	307121
4.603		135587	88858
4.633		860434	755837
4.679		317191	369624

RT A	Compound A	Height A	Area A
4.717		179809	138470
4.756		866224	860852
4.806		75531	68834
4.847		712625	670292
4.875		16246	8855
4.903		180336	157549
4.955		1349668	1592769
5.005		166224	150486
5.048		952877	962116
5.091		60489	44737
5.127		123060	158912
5.164		1708970	1578002
5.186		54848	26000
5.202		15225	5892
5.226		557659	502010
5.27		386860	391100
5.375		69786	64592
5.39		475279	383225
5.45		316474	344076
5.489		183379	168870
5.529		37640	38893
5.574		305402	280013
5.601		24549	13869
5.63		1737780	1785105
5.719		5090	5443
5.754		2864	3172
5.798		1196	735
5.837		974739	1014066
5.873		87582	86238
5.89		94686	67606
5.959		4669	3866
6.022		40621	45847
6.086		38387	31331
6.109		153128	138164
6.179		2292	2792
6.233		1744	1209
6.266		389763	405785
6.312		29274	27940
6.467		107920	116877
6.562		1353	975
6.614	DCB	1786412	1977647
6.73		1154	1178
7.012		591	759
7.531		414	675

LANCASTER LABORATORIES

Sample Number: 9004817 RI ACF ABA5318 T 171450004A 10225 SW-846 8082
Injected On: 5/30/2017 11:51:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137012B.029.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

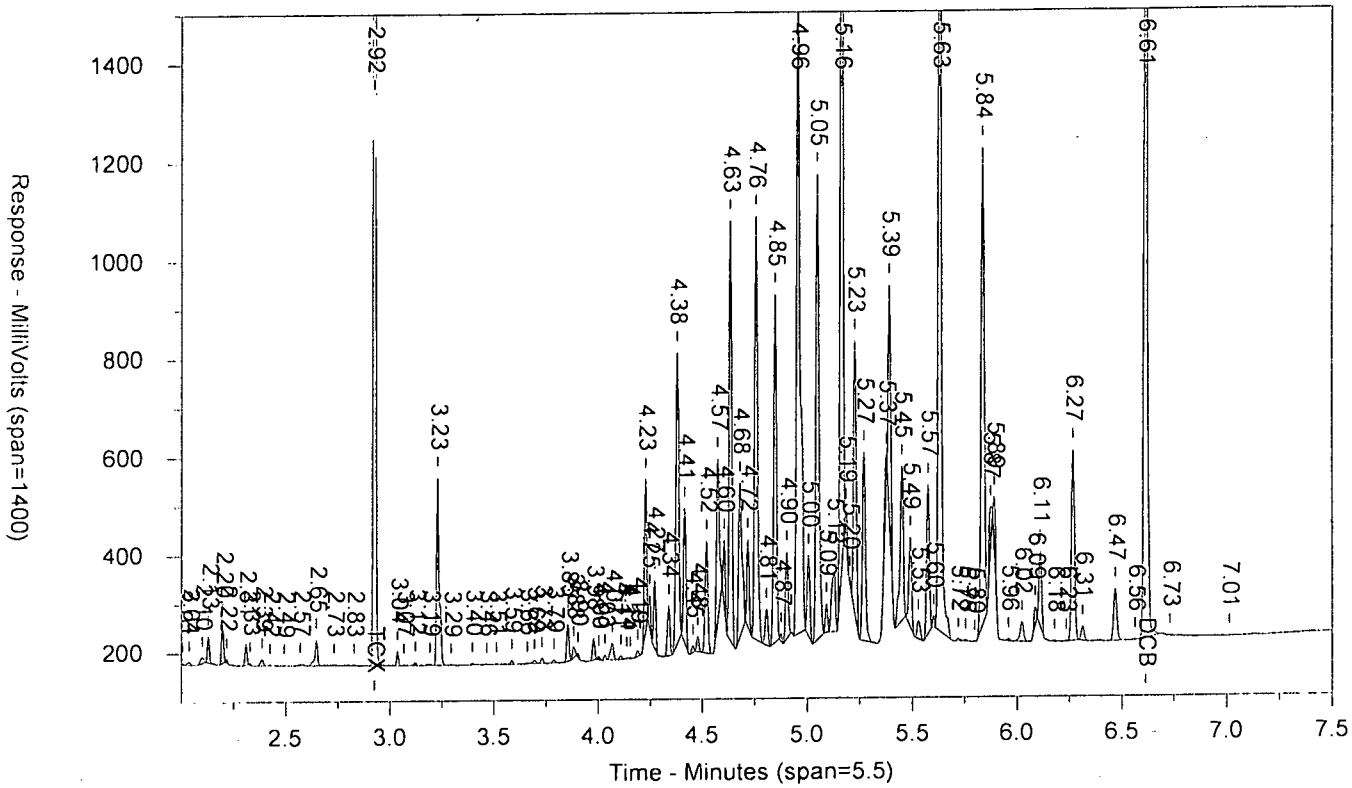
RT B	Compound B	Height B	Area B
2.003		8086	6692
2.053		34865	29105
2.114		79523	50271
2.157		60236	36608
2.18		6313	7463
2.236		16354	28472
2.281		10280	6160
2.32		16748	16857
2.364		309957	246114
2.392		3825	2563
2.433		14865	8319
2.459		3773	1930
2.477		2811	1516
2.493		6286	5126
2.565		7286	8131
2.592		5318	3397
2.615	TCX	20045230	11697310
2.677		7537	4220
2.733		2864	1776
2.784		189685	105202
2.813		16552	16312
2.846		21657	32499
2.877		11997	7389
2.921		2195232	1674115
2.948		19407	10907
2.988		4369	3220
3.013		6755	3531
3.034		11266	6483
3.058		2197	1210
3.106		18079	30451
3.178		14476	13792
3.202		7316	3676
3.225		14794	8492
3.243		29911	14635
3.263		37285	25091
3.321		28850	27465
3.355		3178	1972
3.383		43459	35875
3.403		21259	10163
3.419		31739	35699
3.492		46511	32657
3.526		572378	337688
3.55		269913	154101
3.567		98844	47193
3.588		18538	15464
3.652		332432	210555
3.674		86996	54307
3.698		102035	72982
3.725		81628	39836
3.741		195234	110442
3.781		57111	46837
3.822		81511	74289
3.852		314879	185791
3.874		2866920	1834124

RT B	Compound B	Height B	Area B
3.899		799226	461823
3.918		290742	151508
3.937		635905	387199
3.973		3843353	2572213
4.004		1931481	1279061
4.022		441001	197969
4.083		239860	180947
4.118		1431254	1047739
4.138		20944	17571
4.174		2259796	1678140
4.207		1268858	1023083
4.235		5531226	5087796
4.274		1062074	1075319
4.326		7054587	5488163
4.363		560736	447420
4.396		4411186	3040304
4.42		1481247	1035118
4.463		9105793	6993932
4.517		31299	25397
4.565		6170906	5898102
4.615		4104765	3332359
4.657		1864121	1621540
4.694		11000480	9057283
4.726		2986623	2070871
4.765		2632035	2001746
4.839		404608	374863
4.864		615273	392018
4.881		252553	148790
4.916		4384956	3312699
4.94		1819564	1290242
4.99		2443490	2186591
5.025		1281231	1034086
5.055		874489	736252
5.087		761312	465268
5.11		11401850	9420792
5.151		217040	155297
5.182		456941	376119
5.225		5857	3425
5.247		39278	26629
5.28		19493	12033
5.301		111823	66044
5.324		2030419	1708666
5.37		7650847	8268755
5.473		38411	36190
5.525		301948	257276
5.57		218452	164626
5.594		253841	179231
5.615		13303	5673
5.642		1288377	1108142
5.681		6906	5437
5.722		17237	12471
5.749		2918026	2400246
5.78		178334	130095
5.842		9363	15562
5.948		747718	651536
5.978		3437	1928
6.066		9279	6635
6.107	DCB	13436850	11709240
6.206		4218	2885
6.236		4821	5599
6.282		8057	6447
6.586		13138	11814
6.718		1968	2195
6.78		1926	2210
7.012		4107	4171
7.257		1875	3599

RT B	Compound B	Height B	Area B
7.355		2532	7593
7.854		2316	3688
7.917		2216	4858
8.058		1726	1413
8.216		21989	44659
8.431		3429	5397
8.556		1437	2370

9004817 RI ACF ABA5318 T 171450004A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137012.029.RAW



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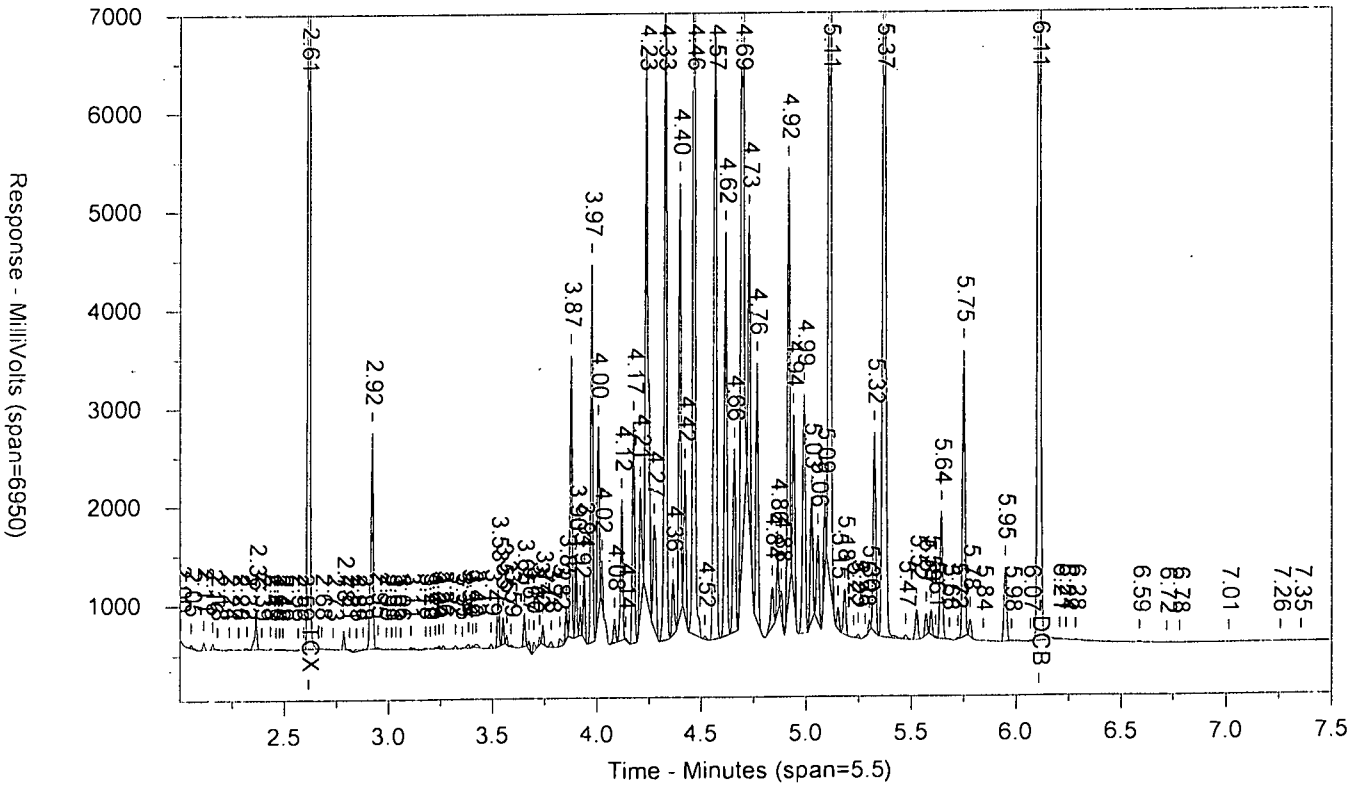

LANCASTER LABORATORIES

Sample Number: 9004817 RI ACF ABA5318 T 171450004A 10225 SW-846 8082
Injected On: 5/30/2017 11:51:23 PM Sample Weight: 10.45
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3355241	28.254	TCX	2.615	20045230	27.747	TCX
6.614	1786412	24.841	DCB	6.107	13436850	26.393	DCB

Files:
Area File: 20pcbs17137012.029.RAW
Area File: 20pcbs17137012B.029.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/31/2017 12:00:06 AM
File Reported On: 5/31/2017 at 12:00:17 AM

9004817 RI ACF ABA5318 T 171450004A 10225 SW-846 8082

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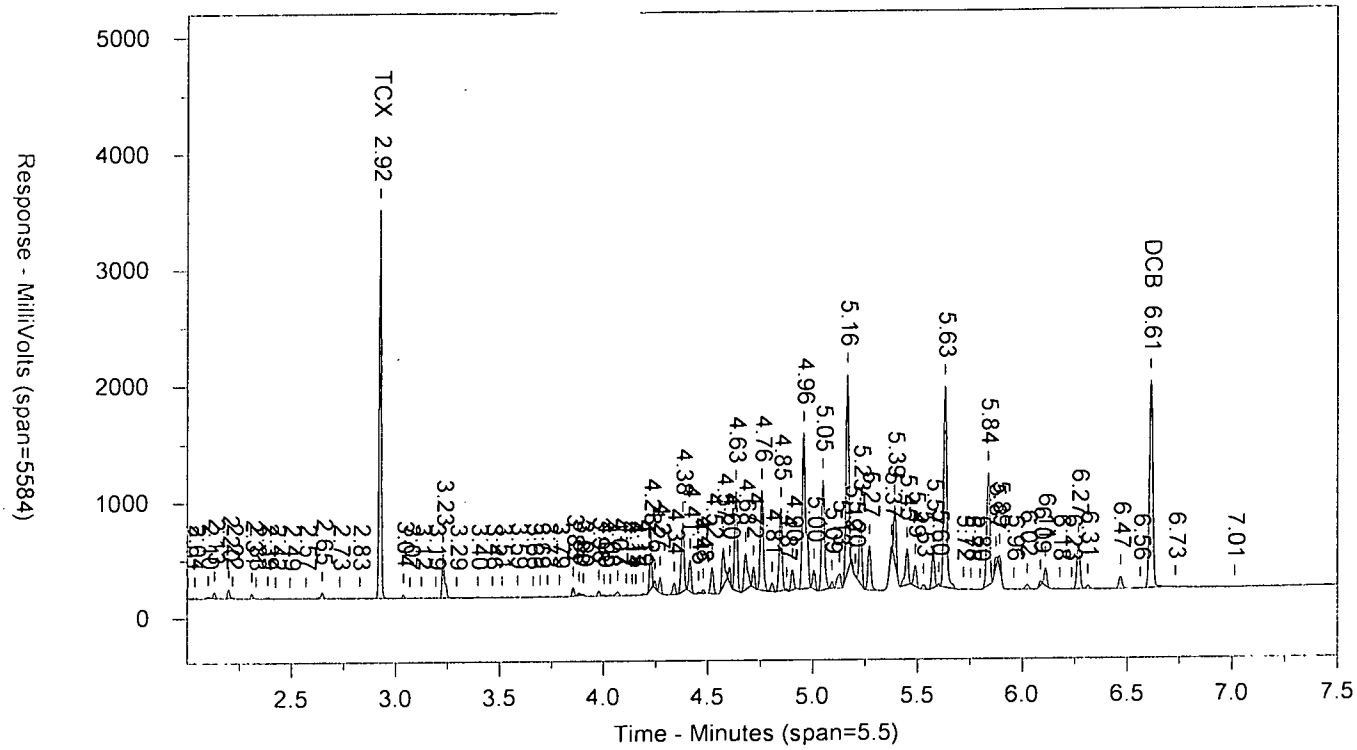

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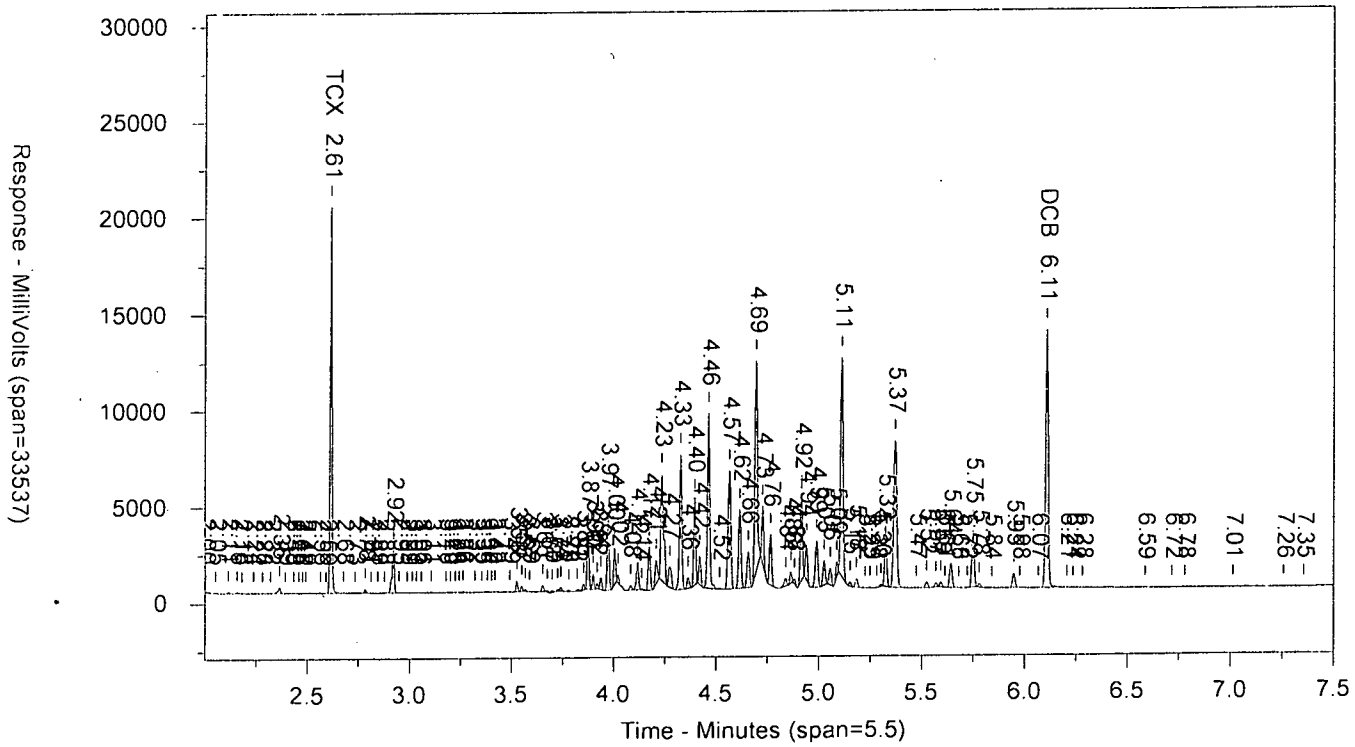

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Data Summary

Sample Name: 9004818 ACF DF5 A5319 Sample ID:AC **Batchnumber: 171450004A**
Sample Amount: 10.14 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 21:30:54
Instrument	18274A
Result file	25PCBS17116021.039.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 95% (61 - 152) Conc: 27.50169
%SSR(DCB) 106% (48 - 164) Conc: 30.56865

Analysis Report (B)

Injected on	May 26, 2017 21:30:54
Instrument	18274B
Result file	25PCBS17116021B.039.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 100% (61 - 152) Conc: 28.84972
%SSR(DCB) 112% (48 - 164) Conc: 32.36991

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	779567	27.50169
Decachlorobiphenyl	6.61	6.64	6.67	617970	30.56865

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1114140	28.84972
Decachlorobiphenyl	6.10	6.13	6.16	1547482	32.36991

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	28.84972				4.78	
☑ Decachlorobiphenyl	B	32.36991				5.72	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.18**	
4.76	4.78	4.80	226092.4	230.482817			1
5.23	5.25	5.27	154833.6	232.067734			3
5.40	5.41	5.44	172909.9	237.831265			4
5.63	5.65	5.67	545121.1	276.546098			5
5.83	5.85	5.87	340881	283.137119			6

Height summation: **1439838**
Concentration CF: **252.013007** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.61**	
4.33	4.35	4.37	554772.9	260.506554			1
4.47	4.48	4.51	760255.9	311.654512			2
4.57	4.59	4.61	494123.9	235.962652			3
4.92	4.94	4.96	377762.8	225.150476			4
5.11	5.13	5.15	1120739	270.864026			5
5.37	5.39	5.41	802970.6	323.537771			6

Height summation: **4110625.1**
Concentration CF: **271.279332** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<251.4793	<48.8166			4	
☑ PCB-1221			<251.4793	<75.4438			3	
☑ PCB-1232			<251.4793	<60.6509			4	
☑ PCB-1242			<251.4793	<60.6509			4	
☑ PCB-1248			<251.4793	<48.8166			4	
☑ PCB-1254			<251.4793	<65.0888			4	
☑ PCB-1260	B	271.279332	251.4793	57.6923		7.36	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004818** ACF DF5 A5319 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.14 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 21:30:54
Instrument : CP25--18274A
Result file : 25PCBS17116021.039.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 95% (61-152) Conc.: 27.50169
%SSR(DCB) : 106% (48-164) Conc.: 30.56865

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	151.08	
3.18	3.19	3.22	607.2756	1.285782			1
3.40	3.42	3.44	1244.821	2.776892			2
3.51	3.52	3.55	431.3228	0.759505			3
3.73	3.76	3.77	3484.602	5.050159			4
3.79	3.80	3.83	2343.04	3.801625			5
3.98	4.00	4.02	12346.41	28.385984			6
Height Summation:			20457.4714				
Amount Avg CF:			7.009991	Linear:			
Aroclor-1221					3	129.14	
3.07	3.09	3.11	531.5978	2.310681			1
3.13	3.14	3.17	3319.175	15.716617			2
3.18	3.19	3.22	607.2756	0.939537			3
Height Summation:			4458.0484				
Amount Avg CF:			6.322278	Linear:			
Aroclor-1232					6	161.83	
3.18	3.19	3.22	607.2756	1.051464			1
3.40	3.42	3.44	1244.821	5.811334			2
3.52	3.52	3.56	431.3228	1.530467			3
3.74	3.76	3.78	3484.602	10.082285			4
3.79	3.80	3.83	2343.04	8.148076			5
3.99	4.00	4.03	12346.41	65.672235			6
+ 3.99	4.03	4.03	1977.706	10.519687			6
Height Summation:			20457.4714				
Amount Avg CF:			15.382644	Linear:			
Aroclor-1242					6	150.53	
3.18	3.19	3.22	607.2756	1.515127			1
3.40	3.42	3.44	1244.821	3.348026			2
3.51	3.52	3.55	431.3228	0.909659			3
3.73	3.76	3.77	3484.602	6.064083			4
3.79	3.80	3.83	2343.04	4.755218			5
3.98	4.00	4.02	12346.41	34.124289			6
Height Summation:			20457.4714				
Amount Avg CF:			8.452734	Linear:			
Aroclor-1248					6	189.73	
3.79	3.80	3.83	2343.04	6.629562			1
3.86	3.88	3.90	23084.79	41.59631			2
3.98	4.00	4.02	12346.41	19.237569			3
4.07	4.09	4.11	10886.64	19.712548			4
4.25	4.27	4.29	19999.33	36.389187			5
4.64	4.66	4.68	237915.3	529.917912			6
Height Summation:			306575.51				
Amount Avg CF:			108.913848	Linear:			
Aroclor-1254					6	60.56	
4.24	4.25	4.28	65596.15	110.976137			1
+ 4.24	4.27	4.28	19999.33	33.83504			1
4.58	4.60	4.62	94665.63	134.931823			2
4.64	4.66	4.68	237915.3	175.380779			3
4.77	4.78	4.81	226092.4	515.756653			4
4.86	4.87	4.89	237049.1	237.577875			5
5.05	5.07	5.09	241331.2	325.196918			6
Height Summation:			1102649.78				
Amount Avg CF:			249.970031	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 21:30:54
Instrument : CP25--18274B
Result file : 25PCBS17116021B.039.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 100% (61-152) Conc.: 28.84972
%SSR(DCB) : 112% (48-164) Conc.: 32.36991

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	92.16	
3.22	3.24	3.26	4803.251	5.431525			2
+ 3.41	3.42	3.45	6544.72	6.547039			3
3.41	3.45	3.45	8023.286	8.026129			3
3.49	3.50	3.53	3368.844	3.239318			4
3.65	3.67	3.69	27602.03	32.74853			5
3.74	3.76	3.78	26564.17	34.494267			6
Height Summation:			70361.581				
Amount Avg CF:			16.787954	Linear:			
Aroclor-1221					2	44.56	
2.77	2.79	2.81	3618.622	10.501151			1
2.84	2.86	2.88	4290.698	20.163416			2
Height Summation:			7909.32				
Amount Avg CF:			15.332284	Linear:			
Aroclor-1232					5	93.14	
3.22	3.24	3.26	4803.251	11.510169			2
+ 3.41	3.42	3.45	6544.72	14.590215			3
3.41	3.45	3.45	8023.286	17.886398			3
3.49	3.50	3.53	3368.844	7.272188			4
3.65	3.67	3.69	27602.03	77.368803			5
+ 3.65	3.69	3.69	8662.537	24.28119			5
3.75	3.76	3.79	26564.17	74.598768			6
Height Summation:			70361.581				
Amount Avg CF:			37.727265	Linear:			
Aroclor-1242					5	90.63	
3.22	3.24	3.26	4803.251	6.801402			2
+ 3.41	3.42	3.45	6544.72	8.151504			3
3.41	3.45	3.45	8023.286	9.993071			3
3.49	3.50	3.53	3368.844	4.112504			4
3.65	3.67	3.69	27602.03	40.301508			5
3.74	3.76	3.78	26564.17	40.561082			6
Height Summation:			70361.581				
Amount Avg CF:			20.353913	Linear:			
Aroclor-1248					6	157.25	
+ 3.41	3.42	3.45	6544.72	16.369756			1
3.41	3.45	3.45	8023.286	20.067968			1
3.52	3.54	3.56	44496.66	43.564902			2
3.65	3.67	3.69	27602.03	22.595781			3
+ 3.65	3.69	3.69	8662.537	7.091391			3
3.74	3.76	3.78	26564.17	28.472708			4
3.88	3.89	3.92	213915.1	114.015907			5
4.24	4.26	4.28	458646.8	516.078653			6
Height Summation:			779248.046				
Amount Avg CF:			124.132653	Linear:			
Aroclor-1254					6	66.37	
4.18	4.19	4.22	213403.7	137.011075			1
4.24	4.26	4.28	458646.8	160.389152			2
4.33	4.35	4.37	554772.9	422.549994			3
4.40	4.42	4.44	453807.1	237.345021			4
+ 4.40	4.44	4.44	136971.2	71.637117			4
4.47	4.48	4.51	760255.9	717.095063			5
4.62	4.64	4.66	397971	285.337212			6
Height Summation:			2838857.4				
Amount Avg CF:			326.621253	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004818** ACF DF5 A5319 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.14 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 21:30:54
Instrument : CP25--18274A
Result file : 25PCBS17116021.039.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	26.39	
4.76	4.78	4.80	226092.4	230.482817			1
5.05	5.07	5.09	241331.2	424.608009			2
5.23	5.25	5.27	154833.6	232.067734			3
5.40	5.41	5.44	172909.9	237.831265			4
5.63	5.65	5.67	545121.1	276.546098			5
5.83	5.85	5.87	340881	283.137119			6
Height Summation:			**1681169.2**				
Amount Avg CF:			**280.77884**	Linear:			
Aroclor-1262					6	29.11	
5.23	5.25	5.27	154833.6	130.042108			1
5.40	5.41	5.44	172909.9	168.657939			2
5.63	5.65	5.67	545121.1	206.24836			3
5.83	5.85	5.87	340881	210.244034			4
5.89	5.91	5.93	65353.31	87.93438			5
6.26	6.28	6.30	150229	156.582199			6
Height Summation:			**1429327.91**				
Amount Avg CF:			**159.951503**	Linear:			
Aroclor-1268					6	95.53	
5.83	5.85	5.87	340881	119.06665			1
5.89	5.91	5.93	65353.31	25.086892			2
6.03	6.05	6.07	6995.563	2.891409			3
+ 6.09	6.10	6.13	9193.408	14.607105			4
6.09	6.12	6.13	59238.47	94.122064			4
6.26	6.28	6.30	150229	146.493696			5
6.47	6.49	6.51	39079.57	4.640778			6
Height Summation:			**661776.913**				
Amount Avg CF:			**65.383581**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 21:30:54
Instrument : CP25--18274B
Result file : 25PCBS17116021B.039.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	14.61	
4.33	4.35	4.37	554772.9	260.506554			1
4.47	4.48	4.51	760255.9	311.654512			2
4.57	4.59	4.61	494123.9	235.962652			3
4.92	4.94	4.96	377762.8	225.150476			4
5.11	5.13	5.15	1120739	270.864026			5
5.37	5.39	5.41	802970.6	323.537771			6
Height Summation:			**4110625.1**				
Amount Avg CF:			**271.279332**	Linear:			
Aroclor-1262					6	34.12	
4.73	4.75	4.77	258753.9	96.489457			1
4.92	4.94	4.96	377762.8	142.438482			2
5.11	5.13	5.15	1120739	201.939448			3
5.33	5.34	5.36	200850.6	96.248323			4
5.37	5.39	5.41	802970.6	221.662072			5
5.75	5.77	5.79	337459.2	162.202919			6
Height Summation:			**3098536.1**				
Amount Avg CF:			**153.496783**	Linear:			
Aroclor-1268					6	122.29	
5.33	5.34	5.37	200850.6	30.466505			1
5.37	5.39	5.41	802970.6	125.241348			2
5.53	5.54	5.57	21674.15	3.885668			3
5.59	5.61	5.63	11947.86	8.698639			4
5.75	5.77	5.79	337459.2	145.24963			5
5.95	5.97	5.99	85199.66	4.30133			6
Height Summation:			**1460102.07**				
Amount Avg CF:			**52.973853**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			251.4793	48.8166		** 82.17	4	40	
Aroclor-1221			251.4793	75.4438		** 83.22	3	5	
Aroclor-1232			251.4793	60.6509		** 84.14	4	10	
Aroclor-1242			251.4793	60.6509		** 82.63	4	30	
Aroclor-1248			251.4793	48.8166		13.06	4	40	
Aroclor-1254			251.4793	65.0888		26.59	4	40	
Aroclor-1260			251.4793	57.6923		3.44	4	40	
Aroclor-1262			251.4793	48.8166		4.12	4	40	
Aroclor-1268			251.4793	48.8166		20.97	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004818ACF DF5 ACA5319 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:30:54 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.039.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.017		1208	1061
2.045		7612	8658
2.089		7383	9385
2.144		6070	4061
2.166		636	317
2.212		16652	11822
2.238		2736	2385
2.296		1328	1435
2.339		26914	19959
2.374		2176	1664
2.404		2047	1538
2.453		549	357
2.502		5057	7020
2.547		2796	3531
2.6		1877	1306
2.664		10381	8272
2.699		1054	713
2.719		1534	858
2.757		3141	3794
2.79		18737	17671
2.886		1498	1284
2.912		2466	1893
2.944	TCX	779567	550489
3.032		392	193
3.052		1493	1307
3.09		532	683
3.143		3319	2880
3.194		607	353
3.225		592	406
3.249		15392	9365
3.268		6052	3529
3.417		1245	4012
3.465		1207	1141
3.523		431	188
3.559		539	512
3.632		3301	4458
3.696		6322	4227
3.712		1554	1359
3.757		3485	3387
3.801		2343	2844
3.837		1007	1295
3.878		23085	17735
3.904		8680	5595
3.927		12015	8041
3.967		1506	1170
4.002		12346	9411
4.025		1978	1238
4.058		4570	3557
4.092		10887	9001
4.138		2688	2805
4.195		11186	8912
4.216		1697	982
4.253		65596	46683
4.27		19999	11014

RT A	Compound A	Height A	Area A
4.295		49310	42699
4.366		27149	23522
4.408		159018	174944
4.443		74365	61735
4.483		5039	3391
4.505		7927	5873
4.547		58076	52581
4.596		94666	79500
4.627		34803	22670
4.658		237915	217291
4.708		70253	69765
4.743		34170	25874
4.784		226092	221900
4.83		26510	23289
4.87		237049	229616
4.904		3261	1962
4.931		59170	62343
4.982		356291	457594
5.033		39422	34230
5.069		241331	282100
5.115		16581	10928
5.152		37456	45370
5.186		480493	440298
5.207		16200	9213
5.253		154834	146696
5.296		123528	120536
5.39		100755	82816
5.414		172910	148047
5.471		108464	106530
5.509		68429	61806
5.552		7432	8247
5.59		107832	125855
5.648		545121	561617
5.74		358	376
5.792		382	174
5.852		340881	330752
5.883		24312	15910
5.908		65353	75603
5.962		538	665
6.018		2362	2878
6.045		6996	6210
6.096		9193	7454
6.124		59238	57760
6.238		604	731
6.253		414	171
6.281		150229	155184
6.325		9897	9128
6.368		1148	969
6.422		995	1597
6.485		39080	41849
6.572		800	1839
6.636	DCB	617970	689484
6.693		532	350
6.738		891	971
6.785		2047	3398
6.835		2310	3937
6.915		5506	15128

LANCASTER LABORATORIES

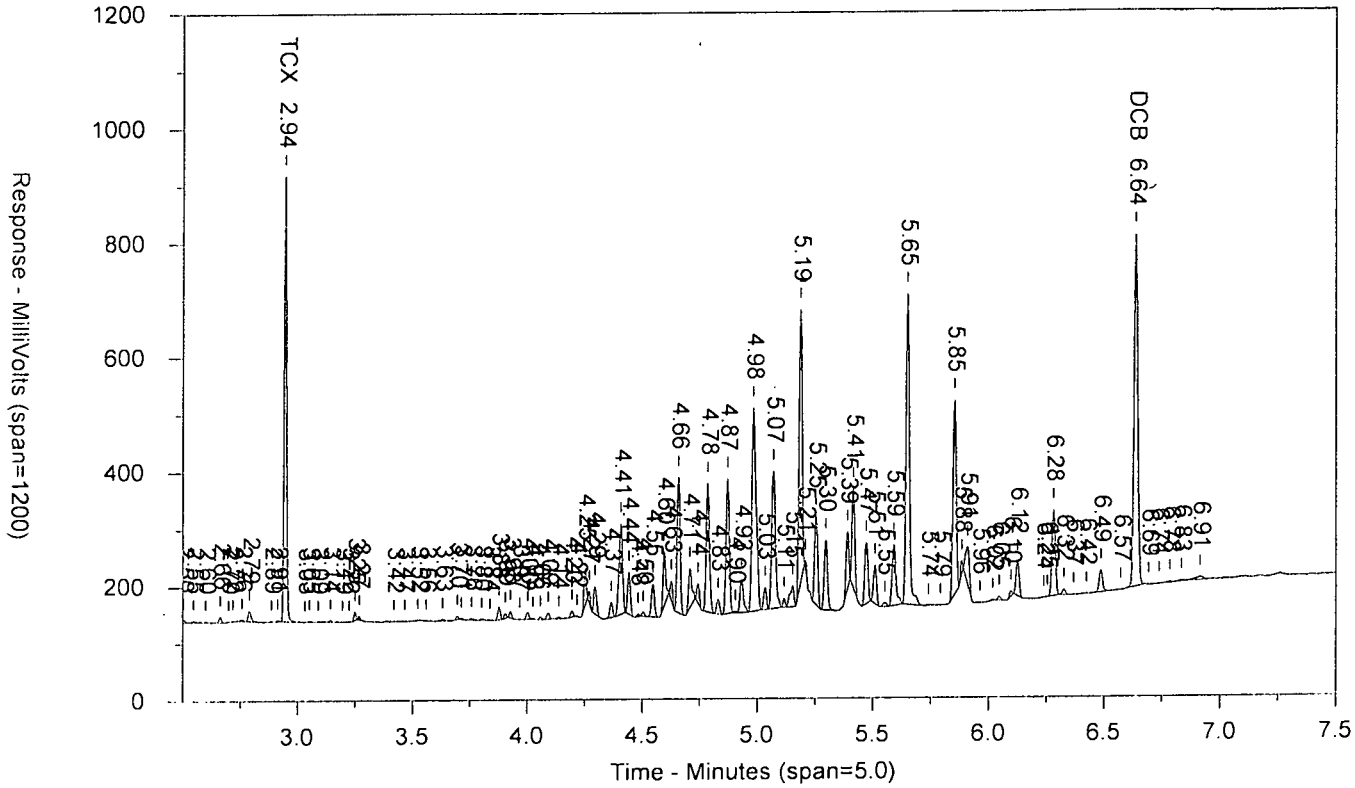
Sample Number: 9004818ACF DF5 ACA5319 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:30:54 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.039.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		1887	2706
2.118		3066	3902
2.162		3152	4206
2.211		2109	2728
2.238		3046	3354
2.32		1807	1549
2.367		15078	12851
2.416		3056	2868
2.465		3358	11298
2.536		2767	1324
2.552		36482	29001
2.595		2848	1421
2.62	TCX	1114140	703511
2.709		2989	4614
2.768		2054	2222
2.79		3619	1885
2.819		4137	5865
2.855		4291	4999
2.928		30262	27561
2.999		1122	1372
3.079		1244	680
3.117		3962	3809
3.158		1815	2323
3.196		3695	4254
3.237		4803	4769
3.281		4019	3772
3.337		13176	9979
3.364		3706	2832
3.396		7253	5837
3.418		6545	4997
3.447		8023	7301
3.505		3369	4058
3.541		44497	26906
3.564		21341	11903
3.583		25954	14394
3.613		4240	3578
3.669		27602	17044
3.691		8663	4955
3.715		8577	6965
3.759		26564	19542
3.799		6023	4418
3.84		5174	6003
3.871		34929	20601
3.893		213915	145138
3.918		77745	47287
3.938		27840	14568
3.958		75835	53399
3.993		315405	225721
4.025		184263	207490
4.103		22969	21965
4.138		124109	98961
4.195		213404	161275
4.228		106876	85881
4.255		458647	427344

RT B	Compound B	Height B	Area B
4.295		89467	89968
4.347		554773	462766
4.385		61114	49618
4.417		453807	326166
4.441		136971	96552
4.485		760256	639907
4.586		494124	509232
4.636		397971	334998
4.677		183623	161208
4.714		1021239	860185
4.747		258754	174109
4.785		237348	193221
4.861		50760	38967
4.884		47578	27904
4.902		34156	21318
4.935		377763	292029
4.959		191007	136741
5.009		232216	211759
5.044		139143	114410
5.075		92262	73079
5.107		100712	65142
5.128		1120739	910813
5.17		26349	18603
5.201		33834	27508
5.266		2125	1596
5.32		8945	5679
5.343		200851	167344
5.387		802971	883575
5.542		21674	20096
5.589		32986	25351
5.612		11948	8094
5.66		148674	128070
5.767		337459	288064
5.799		22809	16218
5.926		1484	1157
5.967		85200	75151
6.054		1479	1490
6.127	DCB	1547482	1411650
6.306		2281	2194
6.332		3873	3189
6.567		1291	1567
6.66		1878	3537
6.909		3163	8656

9004818ACF DF5 ACA5319 T 171450004A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116021.039.RAW



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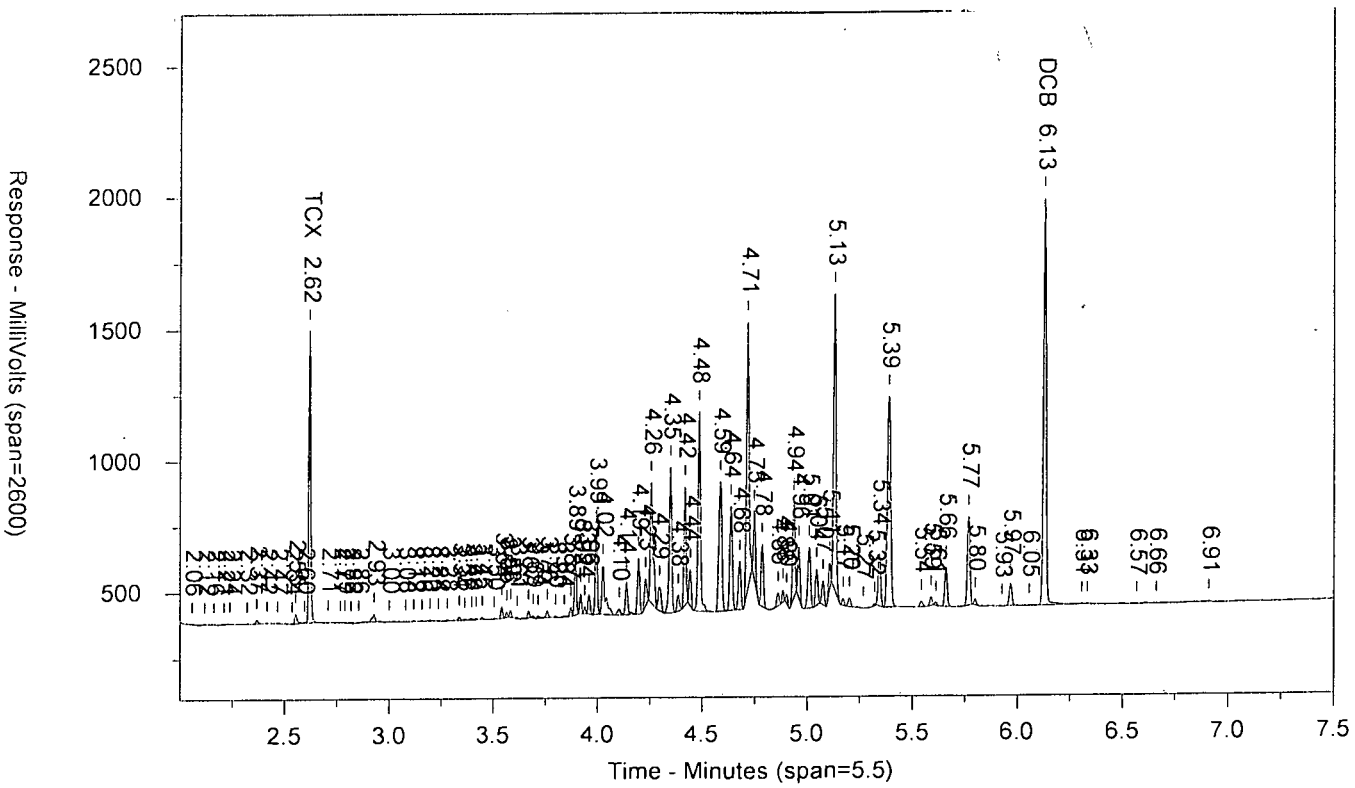

LANCASTER LABORATORIES

Sample Number: 9004818ACF DF5 ACA5319 T 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:30:54 PM Sample Weight: 10.14
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	779567	27.502	TCX	2.62	1114140	28.85	TCX
6.636	617970	30.569	DCB	6.127	1547482	32.37	DCB

Files:
Area File: 25pcbs17116021.039.RAW
Area File: 25pcbs17116021B.039.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 9:39:25 PM
File Reported On: 5/26/2017 at 9:39:34 PM

9004818ACF DF5 ACA5319 T 171450004A 10225 SW-846 8082

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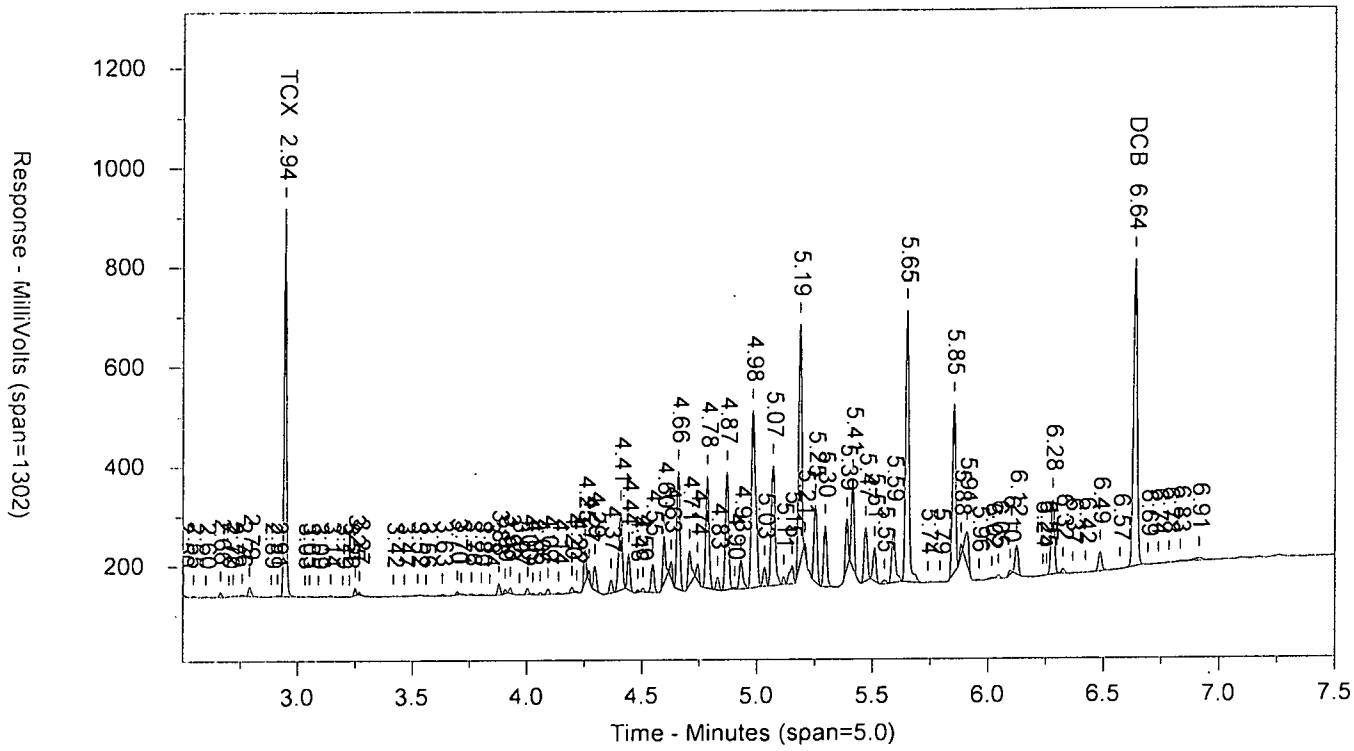

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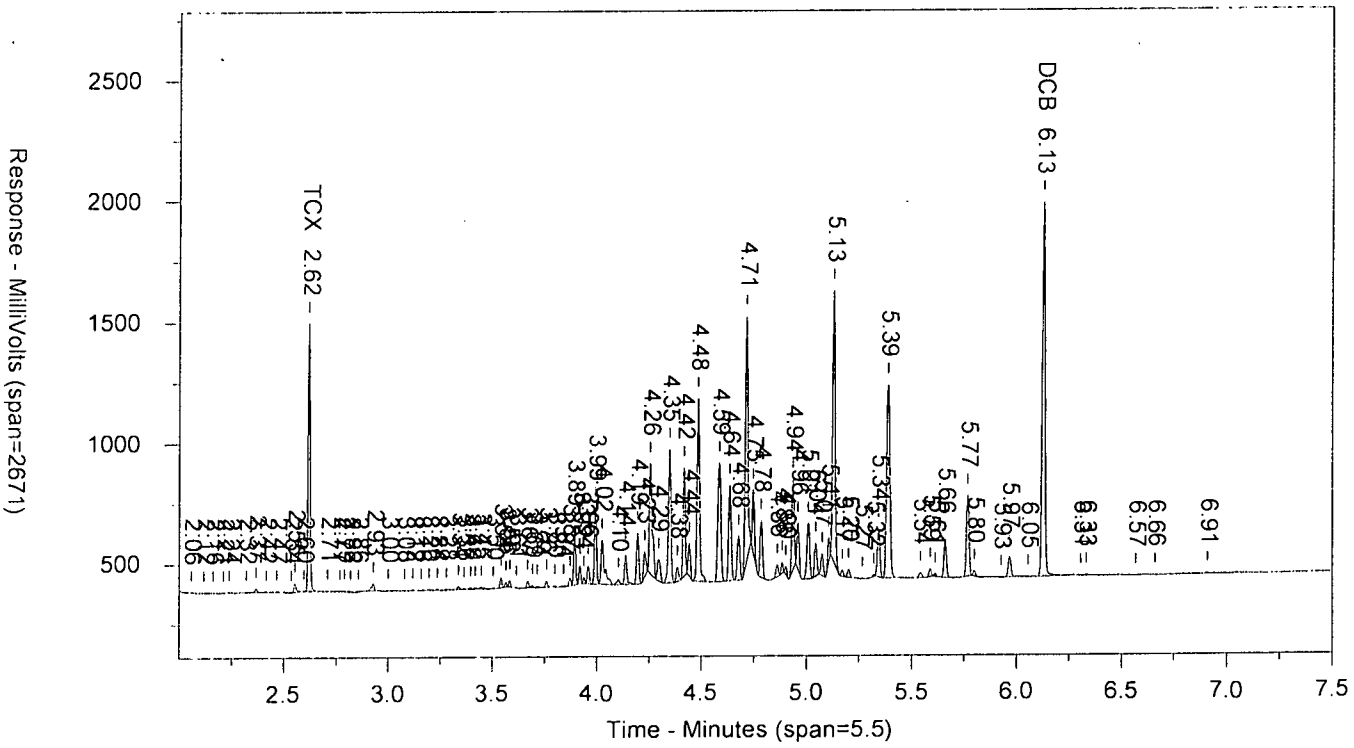

Standards Data

Polychlorinated Biphenyls (PCBs)

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17116001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 61

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	
5 IBLKX1724A	5	PIBLK	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1711599999	10736
6 EVALX1624B	6	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
7 AR1611724A	7	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	1	1711599999	10736
8 AR1621724A	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	2	1711599999	10736
9 AR1631724A	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	3	1711599999	10736
10 AR1641724A	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	4	1711599999	10736
11 AR1651724A	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	5	1711599999	10736
12 AR4811724A	12	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
13 AR4821724A	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
14 AR4831724A	14	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
15 AR4841724A	15	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
16 AR4851724A	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
17 AR5411724A	17	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
18 AR5421724A	18	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
19 AR5431724A	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
20 AR5441724A	20	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
21 AR5451724A	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
22 AR6231624B	22	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
23 AR6831724A	23	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
24 AR2131724A	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
25 AR3231724A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
26 AR4231724A	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
27 AR16XX1724A	27	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
28 MD16X1724A	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
29 IC16X1724A	29	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
30 IC48X1724A	30	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
31 IC54X1724A	31	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
32 BLANKA 4/25/17 ACF	32	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	171140043A	10736
33 LCSA 4/25/17 ACF	33	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	171140043A	10736
34 8948180 RI ACF	34	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	171140043A	10736
35 8952554 RI ACF	35	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	17	10	1	0	171140043A	10736
36 8952555 RI ACF	36	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.47	10	1	0	171140043A	10736
37 8952556 RI ACF	37	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	171140043A	10736
38 8952558 RI ACF	38	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	10	1	0	171140043A	10736
39 8953175 RI ACF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	10	1	0	171140043A	10736
40 8953325 RI ACF	40	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.15	10	1	0	171140043A	10736
41 8953330 RI ACF	41	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	10	1	0	171140043A	10736
42 AR1631724A	42	CCAL	TQ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
43 IBLKX1724A	43	PIBLK	ID	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1711599999	10736
44 8953507 RI ACF	44	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	10	1	0	171140043A	10736
45 8953508 RI ACF	45	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.35	10	1	0	171140043A	10736
46 8953508MSACF	46	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.18	10	1	0	171140043A	10736
47 8953508MSDACF	47	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.44	10	1	0	171140043A	10736
48 8953509 RI ACF	48	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.07	10	1	0	171140043A	10736
49 8953510 RI ACF	49	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	10	1	0	171140043A	10736
50 8953511 RI ACF	50	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	10	1	0	171140043A	10736

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17116001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 61

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 8953512 RI ACF	51	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.39	10	1	0	171140043A	10736
52 8953513 RI ACF	52	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.08	10	1	0	171140043A	10736
53 8953514 RI ACF	53	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	10	1	0	171140043A	10736
54 AR1631724A	54	CCAL	TR	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
55 IBLKX1724A	55	PIBLK	IE	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1711599999	10736
56 8953515 RI ACF	56	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.23	10	1	0	171140043A	10736
57 8953516 RI ACF	57	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	10	1	0	171140043A	10736
58 8953517 RI ACF	58	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.29	10	1	0	171140043A	10736
59 8953518 RI ACF	59	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.47	10	1	0	171140043A	10736
60 AR1631724A	60	CCAL	TS	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
61 IBLKX1724A	61	PIBLK	IF	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1711599999	10736

2855, 26 APR 17

Set-up by: 4/26/2017

Date: 4/26/17

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 35

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
5	IBLKX1724A	5	PIBLK	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713699999	10736
6	EVALX1624B	6	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
7	AR1611724A	7	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	1	1713699999	10736
8	AR1621724A	8	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	2	1713699999	10736
9	AR1631724A	9	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	3	1713699999	10736
10	AR1641724A	10	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	4	1713699999	10736
11	AR1651724A	11	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	5	1713699999	10736
12	AR4811724A	12	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
13	AR4821724A	13	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
14	AR4831724A	14	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
15	AR4841724A	15	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
16	AR4851724A	16	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
17	AR5411724A	17	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
18	AR5421724A	18	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
19	AR5431724A	19	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
20	AR5441724A	20	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
21	AR5451724A	21	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
22	AR6231724A	22	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
23	AR6831724A	23	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
24	AR2131724A	24	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
25	AR3231724A	25	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
26	AR4231724A	26	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
27	AR16XX1724A	27	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
28	MD16X1724A	28	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
29	IC16X1724A	29	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
30	IC48X1724A	30	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
31	IC54X1724A	31	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
32	BLANKA 5/16/17 RI A	32	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171350035A	
33	LOD 5/16/17 RI A	33	CRDL	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171350035A	
34	AR1631724A	34	CCAL	BR	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
35	IBLKX1724A	35	PIBLK	UF	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713699999	10736

2324 5/17/17

Set-up by: 2855 Date: 17May17

5/17/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17116021.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 43

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714599999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714599999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714599999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714599999	
5	AR1631724A	5	CCAL	FO	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714599999	10736
6	IBLKX1724A	6	PIBLK	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714599999	10736
7	9004829ACF DF20	7	T	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	200	1	0	171440024A	10225
8	9004829ACF DF50	8	T	AG	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	500	1	0	171440024A	10225
9	9004831ACF DF10	9	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.19	100	1	0	171440024A	10225
10	9004831ACF DF20	10	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.19	200	1	0	171440024A	10225
11	9004836ACF DF50	11	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.04	500	1	0	171440024A	10225
12	9004836ACF DF100	12	T	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	10.04	1000	1	0	171440024A	10225
13	BLANKA 5/25/17 ACF	13	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	171450004A	10225
14	LCSA 5/25/17 ACF	14	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	171450004A	10225
15	9001102RACF	15	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	171450004A	10225
16	9004801ACF DF50	16	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.01	500	1	0	171450004A	10225
17	9004802ACF DF5	17	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.22	50	1	0	171450004A	10225
18	9004802ACF DF10	18	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.22	100	1	0	171450004A	10225
19	9004803ACF DF5	19	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.04	50	1	0	171450004A	10225
20	9004803ACF DF10	20	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.04	100	1	0	171450004A	10225
21	9004804ACF DF50	21	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.14	500	1	0	171450004A	10225
22	9004805ACF DF5	22	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.42	50	1	0	171450004A	10225
23	9004806ACF DF5	23	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	50	1	0	171450004A	10225
24	9004807ACF DF20	24	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.02	200	1	0	171450004A	10225
25	9004807ACF DF50	25	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.02	500	1	0	171450004A	10225
26	9004808ACF DF5	26	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.41	50	1	0	171450004A	10225
27	AR1631724A	27	CCAL	FP	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714599999	10736
28	IBLKX1724A	28	PIBLK	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714599999	10736
29	9004809ACF DF5	29	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.38	50	1	0	171450004A	10225
30	9004810ACF DF5	30	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.24	50	1	0	171450004A	10225
31	9004811ACF DF20	31	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.05	200	1	0	171450004A	10225
32	9004812ACF DF20	32	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.31	200	1	0	171450004A	10225
33	9004813ACF DF10	33	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.21	100	1	0	171450004A	10225
34	9004814 RI ACF	34	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.11	10	1	0	171450004A	10225
35	9004814ACF DF5	35	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.11	50	1	0	171450004A	10225
36	9004815 RI ACF	36	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.41	10	1	0	171450004A	10225
37	9004816ACF DF20	37	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.02	200	1	0	171450004A	10225
38	9004817ACF DF5	38	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.45	50	1	0	171450004A	10225
39	9004818ACF DF5	39	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.14	50	1	0	171450004A	10225
40	9004819MSACF DF5	40	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.06	50	1	0	171450004A	10225
41	9004820MSDACF DF5	41	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.11	50	1	0	171450004A	10225
42	AR1631724A	42	CCAL	FQ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714599999	10736
43	IBLKX1724A	43	PIBLK	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714599999	10736

5/26/17

Set-up by: 2855 Date: 26 May 17

5/26/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137007.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 100

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1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
5 AR1631724A	5	CCAL	EL	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
6 IBLKX1724A	6	PIBLK	YR	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
7 AR4231724A	7	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
8 AR4831724A	8	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
9 AR5431724A	9	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
10 9004133ACF DF10	10	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	30	100	1	0	171420023A	10885
11 CONDITIONER	11	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
12 9004133ACF DF20	12	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	30	200	1	0	171420023A	10885
13 CONDITIONER	13	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
14 9001089 RI ACF	14	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	10	1	0	171420036A	10225
15 9001089ACF DF5	15	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	50	1	0	171420036A	10225
16 AR1631724A	16	CCAL	EM	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
17 IBLKX1724A	17	PIBLK	YS	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
18 BLANKA 5/24/17 CAF	18	BLK	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430011A	10227
19 LCSA 5/24/17 CAF	19	LCS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430011A	10227
20 LCSDA 5/24/17 CAF	20	LCSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430011A	10227
21 AR1631724A	21	CCAL	EV	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
22 IBLKX1724A	22	PIBLK	ZB	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
23 9001150CAF	23	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	244	2	1	0	171430011A	10227
24 9004800CAF	24	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	247	2	1	0	171430011A	10227
25 9005022CAF	25	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	231	2	1	0	171430011A	10227
26 9005023CAF	26	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	236	2	1	0	171430011A	10227
27 9007661CAF	27	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	246	2	1	0	171430011A	10227
28 BLANKA 5/24/17 CAF	28	BLK	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430009A	10591
29 LCSA 5/24/17 CAF	29	LCS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430009A	10591
30 AR1631724A	30	CCAL	EN	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
31 IBLKX1724A	31	PIBLK	YT	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
32 8995590RCAF	32	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171430009A	10591
33 8995591RCAF	33	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171430009A	10591
34 9004735CAF	34	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	100	2	1	0	171430009A	10591
35 9004736MSCAF	35	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	100	2	1	0	171430009A	10591
36 9004737MSDCAF	36	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	100	2	1	0	171430009A	10591
37 9004743CAF	37	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	232	2	1	0	171430009A	10591
38 9004745CAF	38	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	236	2	1	0	171430009A	10591
39 9004747CAF	39	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	225	2	1	0	171430009A	10591
40 9004749CAF	40	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	237	2	1	0	171430009A	10591
41 BLANKA 5/23/17 CAF	41	BLK	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430021A	10227
42 AR1631724A	42	CCAL	EO	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
43 IBLKX1724A	43	PIBLK	YU	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
44 LCSA 5/23/17 CAF	44	LCS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430021A	10227
45 8994865RCAF	45	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	247	2	1	0	171430021A	10227
46 8994866RMSCAF	46	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430021A	10227
47 8994867RMSDCAF	47	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
48 8994870RCAF	48	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
49 8994871RCAF	49	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	246	2	1	0	171430021A	10227
50 8994872RCAF	50	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	245	2	1	0	171430021A	10227

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137007.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 100

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51 8994873RCAF	51	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
52 8994874RCAF	52	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
53 8994875RCAF	53	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171430021A	10227
54 AR1631724A	54	CCAL	EP	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
55 IBLKX1724A	55	PIBLK	YV	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
56 8994876RCAF	56	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
57 8994877RCAF	57	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	247	2	1	0	171430021A	10227
58 8994878RCAF	58	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
59 8994879RCAF	59	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171430021A	10227
60 BLANKA 5/24/17 ACF	60	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	171430031A	10225
61 LCSA 5/24/17 ACF	61	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	171430031A	10225
62 AR1631724A	62	CCAL	EQ	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
63 IBLKX1724A	63	PIBLK	YW	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
64 9001109ACF DF10	64	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.22	100	1	0	171430031A	10225
65 9001110ACF	65	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.25	10	1	0	171430031A	10225
66 9001111ACF	66	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	10	1	0	171430031A	10225
67 9001112ACF	67	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.12	10	1	0	171430031A	10225
68 9001113ACF	68	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.04	10	1	0	171430031A	10225
69 9001114ACF DF5	69	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.09	50	1	0	171430031A	10225
70 9001115ACF	70	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.04	10	1	0	171430031A	10225
71 9001116ACF DF5	71	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.17	50	1	0	171430031A	10225
72 9001117ACF	72	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.03	10	1	0	171430031A	10225
73 9001118ACF DF5	73	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.22	50	1	0	171430031A	10225
74 9001118MSACF DF5	74	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.35	50	1	0	171430031A	10225
75 9001118MSDACF DF5	75	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.3	50	1	0	171430031A	10225
76 9001119ACF DF5	76	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.15	50	1	0	171430031A	10225
77 9001120ACF DF5	77	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.15	50	1	0	171430031A	10225
78 9001121ACF DF5	78	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.45	50	1	0	171430031A	10225
79 9001122ACF	79	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.05	10	1	0	171430031A	10225
80 9001123ACF DF5	80	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.25	50	1	0	171430031A	10225
81 9001124ACF DF10	81	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.42	100	1	0	171430031A	10225
82 9001125ACF DF5	82	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.05	50	1	0	171430031A	10225
83 9001126ACF	83	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.35	10	1	0	171430031A	10225
84 AR1631724A	84	CCAL	ER	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
85 IBLKX1724A	85	PIBLK	YX	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
86 9001127ACF DF5	86	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.02	50	1	0	171430031A	10225
87 9001128ACF	87	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.36	10	1	0	171430031A	10225
88 AR1631724A	88	CCAL	ES	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
89 IBLKX1724A	89	PIBLK	YY	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
90 IBLKX1724A	90	PIBLK	YZ	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
91 AR1631724A	91	CCAL	ET	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
92 BLANKA 5/24/17 ACF	92	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171430032A	10736
93 LCSA 5/24/17 ACF	93	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171430032A	10736
94 9007238ACF	94	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.32	10	1	0	171430032A	10736
95 9007238ACF DF5	95	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.32	50	1	0	171430032A	10736
96 9007810ACF	96	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.24	10	1	0	171430032A	10736
97 9007811MSACF	97	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.22	10	1	0	171430032A	10736
98 9007812MSDACF	98	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.37	10	1	0	171430032A	10736
99 IBLKX1724A	99	PIBLK	ZA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
100 AR1631724A	100	CCAL	EU	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736

2304 5/24/17

Set-up by: 2855 Date: 24 May 17

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137012.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 52

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714999999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714999999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714999999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714999999	
5 AR1631724A	5	CCAL	GL	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714999999	10736
6 IBLKX1724A	6	PIBLK	BU	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714999999	10736
7 9009159 RI ACF	7	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.08	10	9800	0	171450029A	10885
8 9010877 RI ACF	8	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.22	10	9800	0	171450029A	10885
9 9010880ACF DF5	9	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.31	50	9800	0	171450029A	10885
10 9011634 RI ACF	10	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.18	10	9800	0	171450029A	10885
11 9011635 RI ACF	11	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.5	10	9800	0	171450029A	10885
12 9011636 RI ACF	12	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.09	10	9800	0	171450029A	10885
13 9011637 RI ACF	13	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.3	10	9800	0	171450029A	10885
14 9012396 RI ACF	14	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.18	10	9800	0	171450029A	10885
15 9013867 RI ACF	15	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.06	10	9800	0	171450029A	10885
16 9013868 RI ACF	16	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.08	10	9800	0	171450029A	10885
17 AR1631724A	17	CCAL	GB	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714999999	10736
18 IBLKX1724A	18	PIBLK	BF	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714999999	10736
19 9013869 RI ACF	19	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.11	10	9800	0	171450029A	10885
20 9013870 RI ACF	20	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.06	10	9800	0	171450029A	10885
21 9013895 RI ACF	21	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.27	10	9800	0	171450029A	10885
22 9013896 RI ACF	22	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.46	10	9800	0	171450029A	10885
23 9013897 RI ACF	23	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.22	10	9800	0	171450029A	10885
24 9013898 RI ACF	24	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.02	10	9800	0	171450029A	10885
25 AR1631724A	25	CCAL	GC	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714999999	10736
26 IBLKX1724A	26	PIBLK	BG	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714999999	10736
27 9004831ACF DF50	27	T	AF	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	500	1	0	171440024A	10225
28 9004831ACF DF100	28	T	AG	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	1000	1	0	171440024A	10225
29 9004817 RI ACF	29	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.45	10	1	0	171450004A	10225
30 9004801 RI ACF	30	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.01	10	1	0	171450004A	10225
31 9004804 RI ACF	31	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.14	10	1	0	171450004A	10225
32 9004804ACF DF5	32	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.14	50	1	0	171450004A	10225
33 9004805ACF DF10	33	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.42	100	1	0	171450004A	10225
34 9004807 RI ACF	34	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.02	10	1	0	171450004A	10225
35 9004807ACF DF5	35	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.02	50	1	0	171450004A	10225
36 9004869ACF DF5	36	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.07	50	1	0	171450027A	10225
37 9004869ACF DF10	37	T	AF	EPT-24\ACTIVE\CP20\20PCBS.MET	10.07	100	1	0	171450027A	10225
38 9004870ACF DF50	38	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.06	500	1	0	171450027A	10225
39 9004870ACF DF100	39	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.06	1000	1	0	171450027A	10225
40 9004871 RI ACF	40	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.5	10	1	0	171450027A	10225
41 9004871ACF DF5	41	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.5	50	1	0	171450027A	10225
42 9004872ACF DF10	42	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.05	100	1	0	171450027A	10225
43 9004872ACF DF20	43	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.05	200	1	0	171450027A	10225
44 9004873ACF DF5	44	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.35	50	1	0	171450027A	10225
45 9004873ACF DF10	45	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.35	100	1	0	171450027A	10225
46 9004878ACF DF50	46	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.37	500	1	0	171450027A	10225
47 AR1631724A	47	CCAL	GJ	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714999999	10736
48 IBLKX1724A	48	PIBLK	BS	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714999999	10736
49 9004878ACF DF100	49	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.37	1000	1	0	171450027A	10225
50 9004878ACF DF200	50	T	AF	EPT-24\ACTIVE\CP20\20PCBS.MET	10.37	2000	1	0	171450027A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137012.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 52

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51	AR1631724A	51	CCAL	GK	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714999999	10736
52	IBLKX1724A	52	PIBLK	BT	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714999999	10736

DB12669

Set-up by: 2855 Date: 30May17

5/30/2017

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:26:00 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.014		901	610
2.044		5784	6218
2.087		4441	6568
2.166		706	666
2.194		588	365
2.24		12287	9638
2.306		804	485
2.34		18312	15685
2.378		1141	2484
2.448		325	218
2.507		1779	1529
2.52		1357	766
2.545		1316	1391
2.604		1293	1862
2.718		1065	1561
2.763		2322	2985
2.791		13605	13340
2.891		1413	1544
2.918		682	643
2.945	TCX	2759522	1921605
3.043		1244	851
3.066		1382	919
3.091		401	269
3.143		36293	25279
3.239		1575	1518
3.276		6489	5440
3.344		340	194
3.373		366	127
3.401		2302	3594
3.478		1305	2170
3.524		1639	1053
3.555		2069	2015
3.59		9645	6354
3.635		3156	3369
3.697		10578	10203
3.742		924	861
3.777		1420	1036
3.8		671	607
3.851		1039	900
3.877		4068	2909
3.927		1610	1720
3.968		1739	1520
4.002		1119	1597
4.058		335	405
4.076		901	947
4.144		379	69
4.196		14908	18774
4.304		8085	10103
4.372		431	1979
4.388		933	840
4.411		554	396
4.459		1049	1245
4.548		1389	2382
4.603		1305	1960

RT A	Compound A	Height A	Area A
4.661		2697	4461
4.753		475	597
4.805		414	360
4.869		1138	2380
4.907		5861	8507
5.022		3713	8054
5.08		179	418
5.094		773	745
5.149		9188	8931
5.23		675	894
5.262		435	209
5.332		561	1503
5.378		2116	3466
5.441		1191	1386
5.478		983	660
5.551		7597	7922
5.603		553	352
5.675		12566	11173
5.703		1334	1114
5.807		297	1740
5.855		1633	2800
5.918		1283	1997
5.964		798	1000
6.013		1981	2481
6.047		21155	19649
6.11		23917	26847
6.17		530	520
6.272		362	2798
6.314		2341	4887
6.361		806	688
6.419		1494	2411
6.487		19734	21630
6.525		445	202
6.574		551	622
6.637	DCB	1890142	2052399
6.709		617	340
6.726		947	291
6.791		1451	2748
6.86		677	4161
6.916		3027	7829
6.973		605	293
6.988		869	224

LANCASTER LABORATORIES

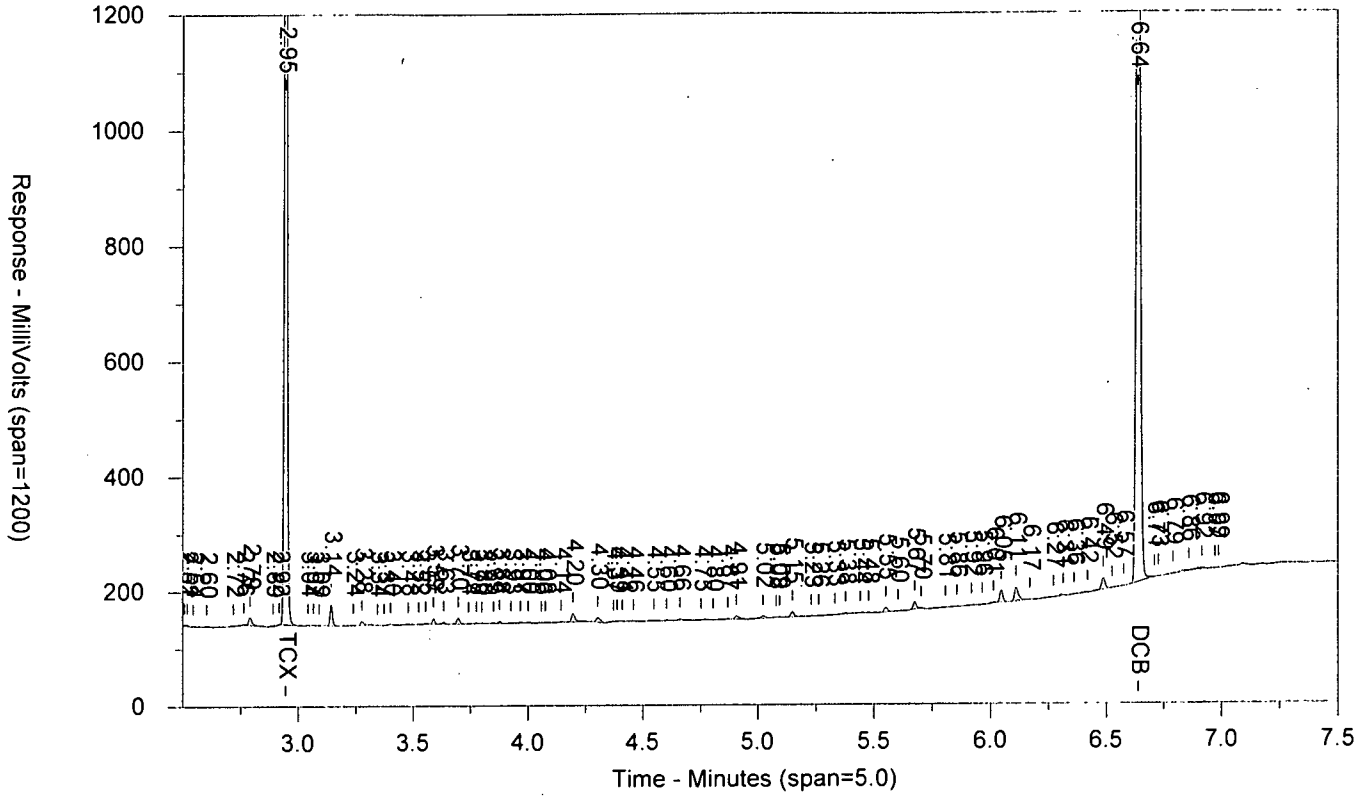
Sample Number: IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:26:00 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		5011	5537
2.162		2312	2605
2.211		4013	3641
2.298		1630	3237
2.364		1725	2544
2.498		6751	7192
2.54		2295	5094
2.554		22679	17933
2.598		1699	1254
2.621	TCX	3705380	2263602
2.786		2852	2696
2.84		49747	28983
2.957		9947	6651
2.984		1430	2940
3.049		2378	3757
3.129		1663	984
3.16		1305	1103
3.22		2114	2858
3.282		2830	1414
3.303		19140	11618
3.34		14735	10484
3.391		4855	5474
3.424		3496	3692
3.466		4148	3676
3.497		1536	1664
3.562		9237	8861
3.696		10768	15885
3.742		5255	13147
3.777		2541	4041
3.923		3741	14350
3.963		33038	30919
4.009		2496	5746
4.096		10443	9378
4.172		7172	16569
4.253		7973	23817
4.461		13732	13593
4.544		2587	10571
4.59		1827	2807
4.691		18446	17210
4.763		2603	3319
4.807		1864	2442
4.868		4448	6460
5.084		12420	10257
5.206		30335	26522
5.242		1646	1269
5.27		2449	1794
5.316		1413	1777
5.403		2520	3087
5.468		1151	998
5.548		44917	40666
5.615		49346	43490
5.665		8609	6705
5.824		2112	6842
5.86		1669	1791

RT B	Compound B	Height B	Area B
5.92		1247	1202
5.97		44350	37693
6.003		2153	2810
6.131	DCB	4486753	3969657
6.464		1831	3369
6.589		4558	4488
6.619		1408	868
6.693		1182	1054
6.766		1352	2710
6.88		863	798

IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.005.RAW



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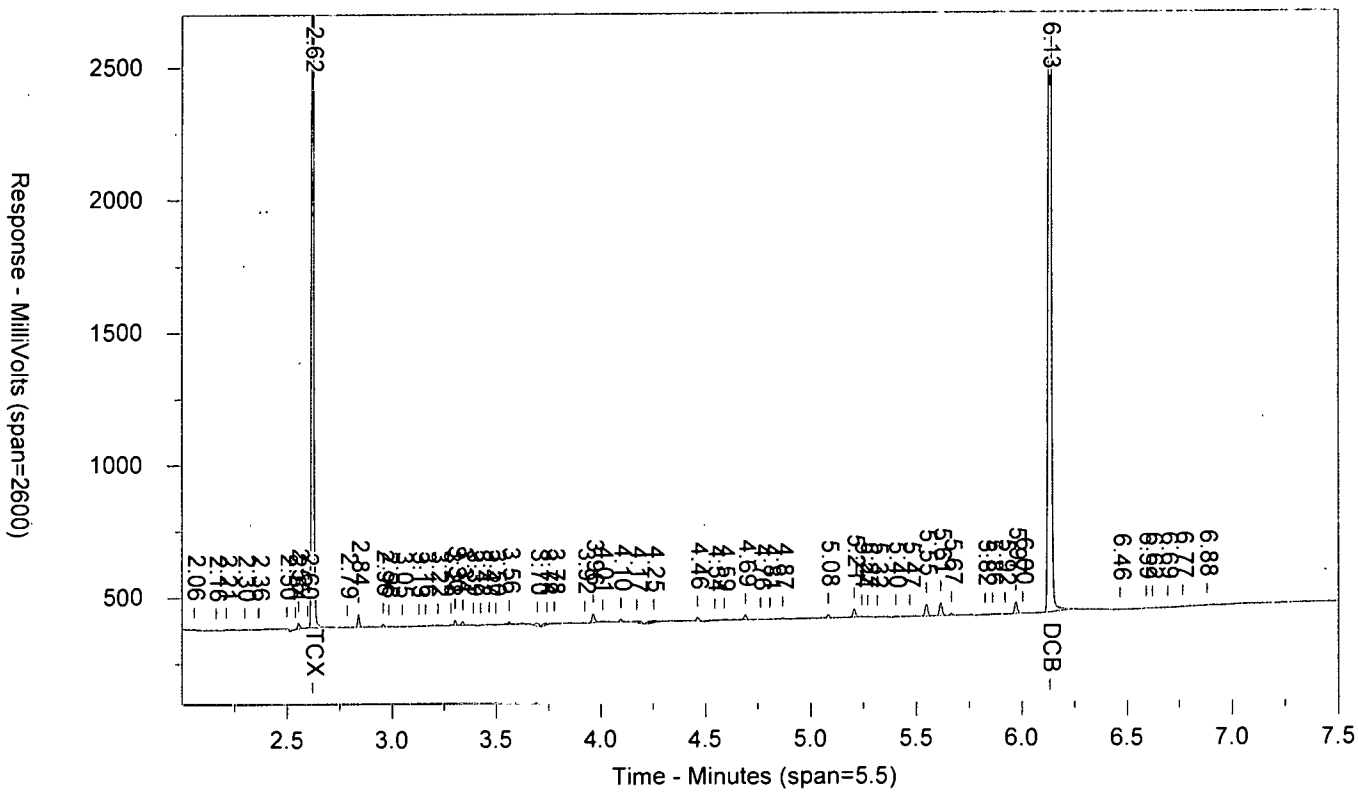

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:26:00 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2759522	.197	TCX	2.621	3705380	.195	TCX
6.637	1890142	.19	DCB	6.131	4486753	.19	DCB

Files:
Area File: 25pcbs17116001.005.RAW
Area File: 25pcbs17116001B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 2:34:31 PM
File Reported On: 4/26/2017 at 6:11:15 PM

IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082

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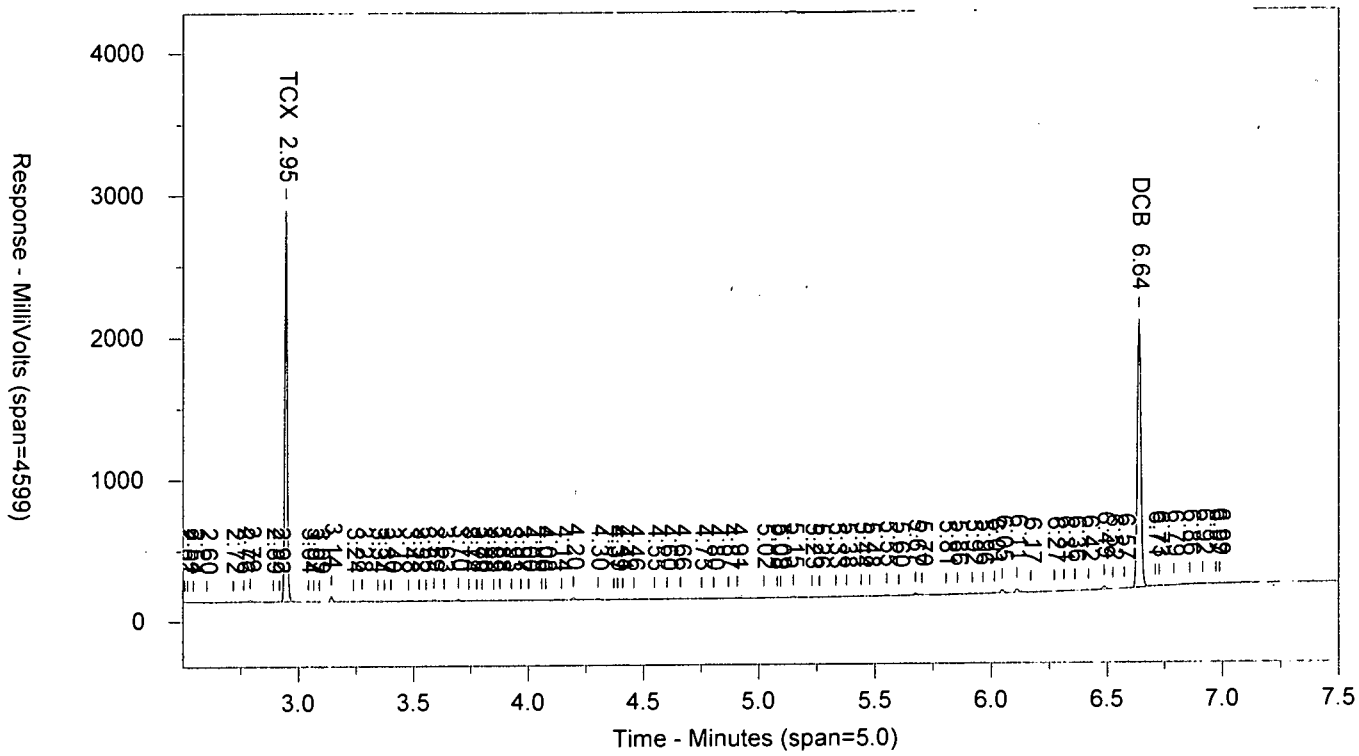

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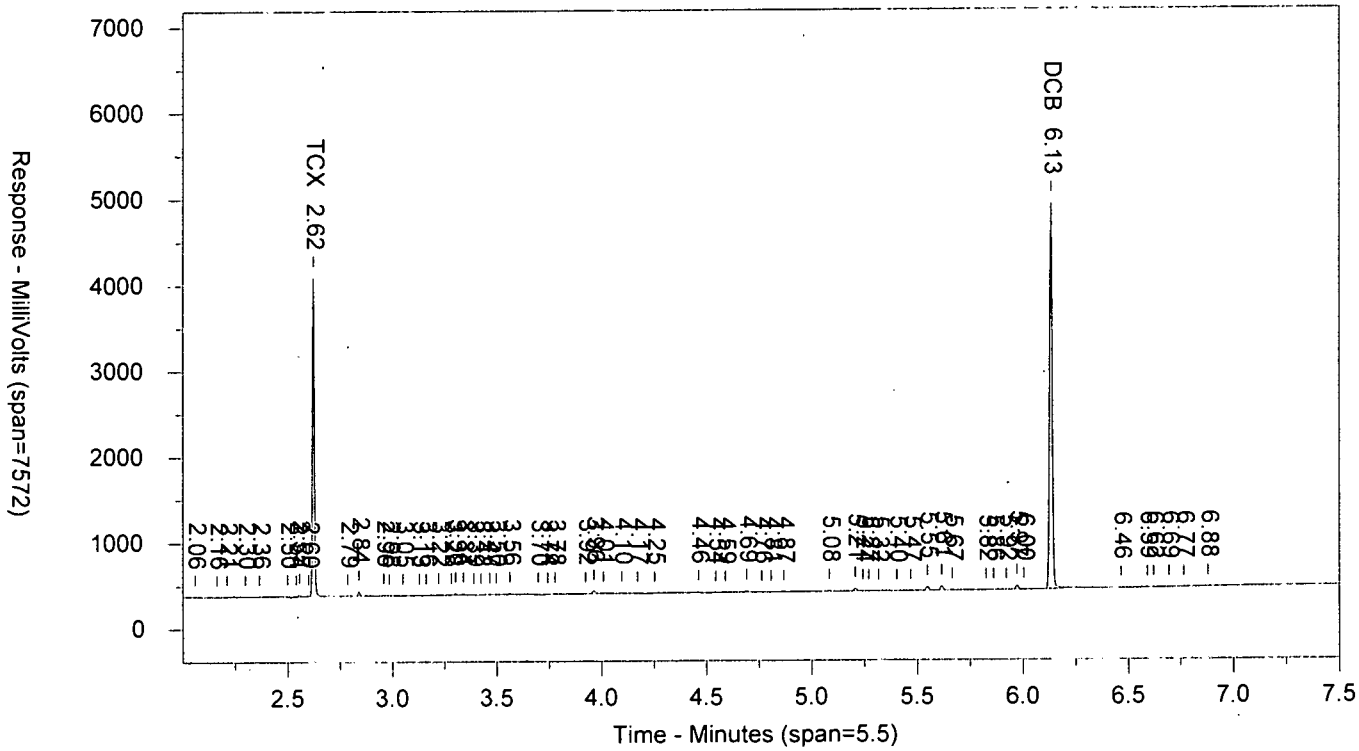

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:37:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		7303	9088
2.09		4078	5893
2.138		9890	8816
2.217		1232	764
2.24		12580	10519
2.309		588	1197
2.344		64758	55376
2.46		1252	937
2.514		71519	51034
2.552		2009	1876
2.607		617	828
2.668		879	895
2.725		443	1083
2.762		2028	2135
2.791		34588	37535
2.891		1173	1028
2.915		2403	1474
2.945	TCX	2846133	2019818
3.036		1471	1218
3.063		912	641
3.095		492	378
3.143		37760	26547
3.224		2073042	1380046
3.277		7423	7284
3.325		5181	3895
3.383		946	908
3.424		1598120	1098673
3.462		15349	11610
3.507		993	628
3.536		675521	480969
3.591		7418	4763
3.633		3469	4561
3.697		3074	1744
3.715		47215	32654
3.739		3325	2051
3.779		3937	3431
3.835		96245	75477
3.864		6293	3440
3.881		3554	1894
3.924		1161	1127
3.951		1494	854
3.971		2000	2020
4.026		4185	3417
4.073		18025	13471
4.107		17305	15270
4.153		11417	9317
4.196		136606	111349
4.249		42750	38629
4.279		3157	1779
4.305		1974	1319
4.37		6195	6874
4.409		89406	80113
4.466		776	579
4.494		3546	2397

RT A	Compound A	Height A	Area A
4.528		7142	9086
4.558		83620	77068
4.603		73477	61898
4.666		6090	9026
4.726		92400	88472
4.828		80400	72246
4.866		2509406	2286532
4.915		69249	61614
4.97		451198	421484
5.027		1307	1493
5.057		163343	199005
5.118		340492	325987
5.149		3973	2264
5.174		4512	2673
5.207		5783038	5358001
5.283		12467	10221
5.306		30911	24561
5.379		3307	3880
5.423		355941	353265
5.467		5471	3621
5.479		3214	2336
5.515		12993	9986
5.564		7133040	6854288
5.604		168984	138074
5.643		762761	701055
5.675		8575	5478
5.706		2167	2282
5.749		427	199
5.783		1179	978
5.826		2367	4661
5.905		1454	1868
5.973		599	435
6.01		2402	2708
6.047		23018	22094
6.111		26193	34691
6.266		578	2696
6.307		2504	4464
6.365		1191	1439
6.416		1357	1994
6.487		22616	25016
6.568		706	414
6.637	DCB	2118446	2194086
6.712		421	366
6.756		640	544
6.776		885	726
6.835		2498	4443
6.896		382	502
6.914		1605	1763
6.96		1131	1076

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:37:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.059		5429	6586
2.159		52490	38872
2.212		3071	2565
2.243		1896	2438
2.299		876	1355
2.326		79201	50105
2.377		1715	1255
2.501		4431	13054
2.554		79587	75393
2.621	TCX	3921121	2408330
2.71		2012	928
2.784		3204	2810
2.839		54264	31931
2.869		897	554
2.898		2878	2872
2.969		2988118	1695993
3.051		1479	2109
3.088		7951	5049
3.124		26446	18271
3.18		2508644	1425530
3.25		2710	2588
3.28		6768	5435
3.304		12496	8574
3.34		11254	6155
3.362		1073258	648273
3.423		8435	5648
3.447		7144	3327
3.465		19479	10784
3.487		198624	137523
3.519		5295	3002
3.561		17383	14505
3.581		3717	1838
3.6		5478	17927
3.664		4696	2640
3.687		13358	13212
3.734		3461	3020
3.78		206169	145451
3.812		23362	11513
3.828		8208	3868
3.86		13340	7619
3.88		72706	46941
3.902		6313	3186
3.963		34059	30268
3.993		8126	4345
4.014		159136	112305
4.044		12996	8622
4.09		16082	16009
4.13		2918	1332
4.146		9239	5039
4.171		133738	110109
4.217		11351	8437
4.266		166283	144919
4.318		4573	5797
4.392		163668	135903

RT B	Compound B	Height B	Area B
4.449		4506743	3423921
4.49		148903	120430
4.544		1058664	788519
4.584		27474	20927
4.604		7440	5781
4.656		198074	157924
4.687		15687	12102
4.723		14022650	10854480
4.781		678346	540524
4.812		6737	4479
4.867		4750	3507
4.896		31888	30190
4.932		67774	56800
4.969		1150	542
5.001		3195	4920
5.052		532807	640889
5.154		16323090	13540980
5.209		106814	161197
5.282		15241	24638
5.328		2087463	1766584
5.382		63618	48217
5.478		3031	3352
5.548		48276	44962
5.616		52197	48023
5.664		7906	8161
5.727		1993	2008
5.846		1395	1615
5.971		47857	43743
6.131	DCB	4722269	4225265
6.301		1419	3079
6.474		1309	3078
6.548		1297	660
6.59		3928	3287
6.661		622	731
6.692		1077	1410
6.758		1784	2704
6.825		4628	5258
6.949		1205	4409

EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082

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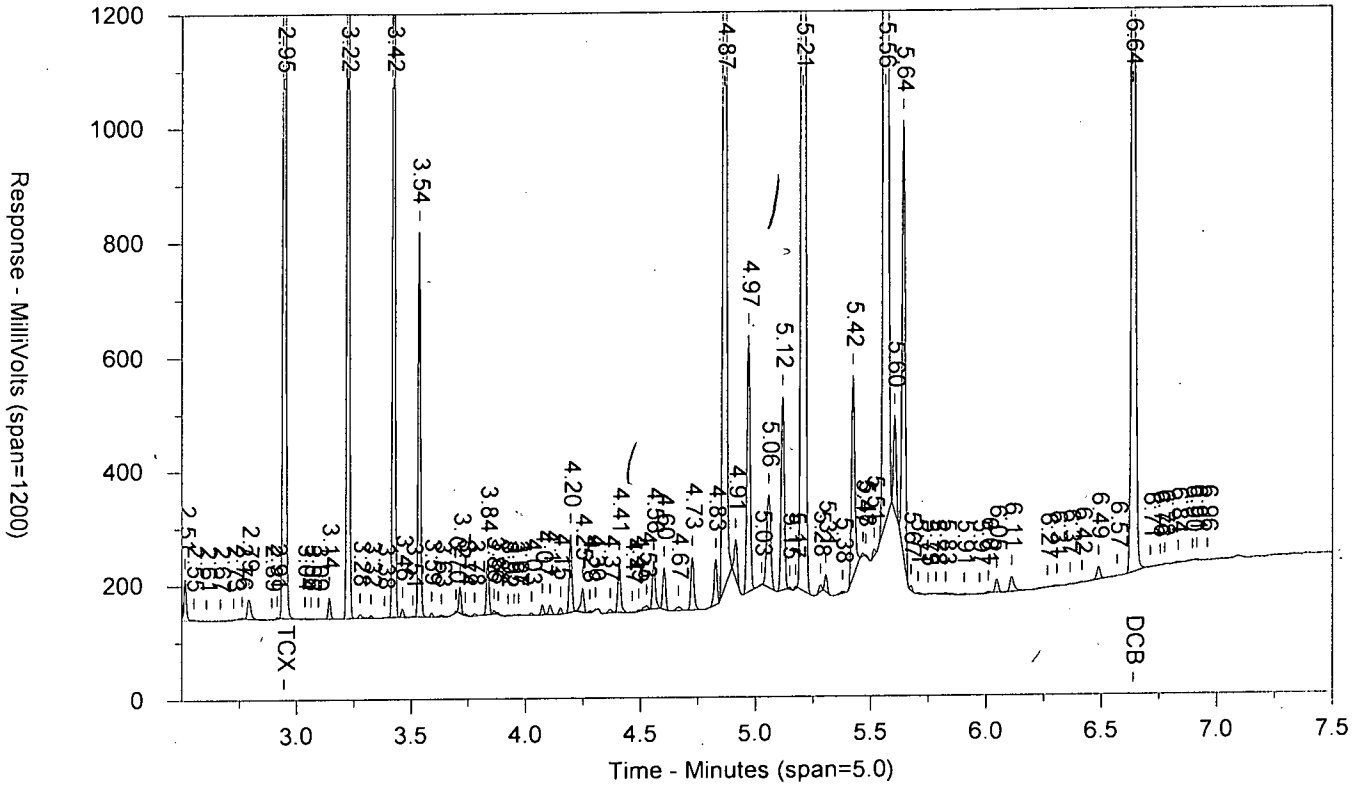

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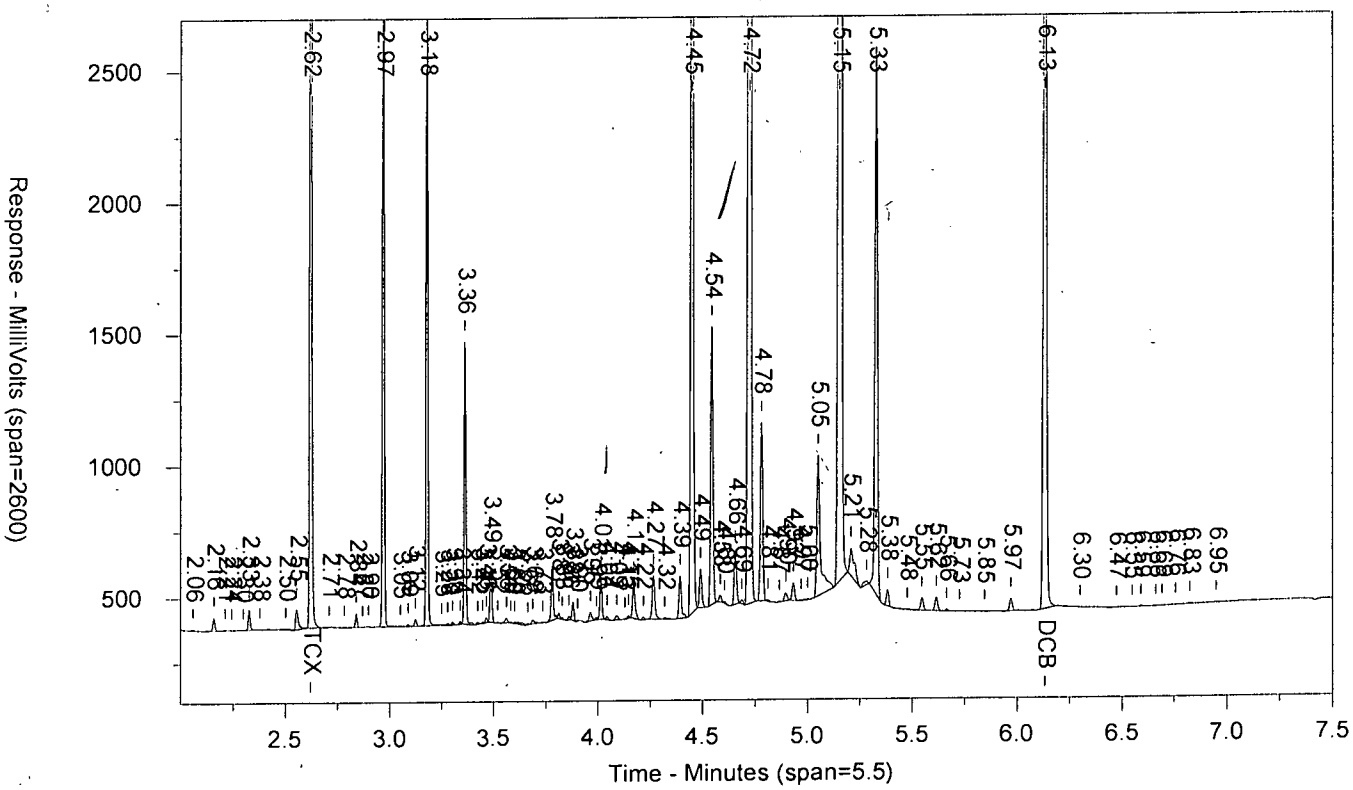

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:37:19 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2846133	22.318	TCX	2.621	3921121	21.171	TCX
6.637	2118446	25.458	DCB	6.131	4722269	24.358	DCB

Files:
Area File: 25pcbs17116001.006.RAW
Area File: 25pcbs17116001B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 2:45:50 PM
File Reported On: 4/26/2017 at 2:45:56 PM

EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082

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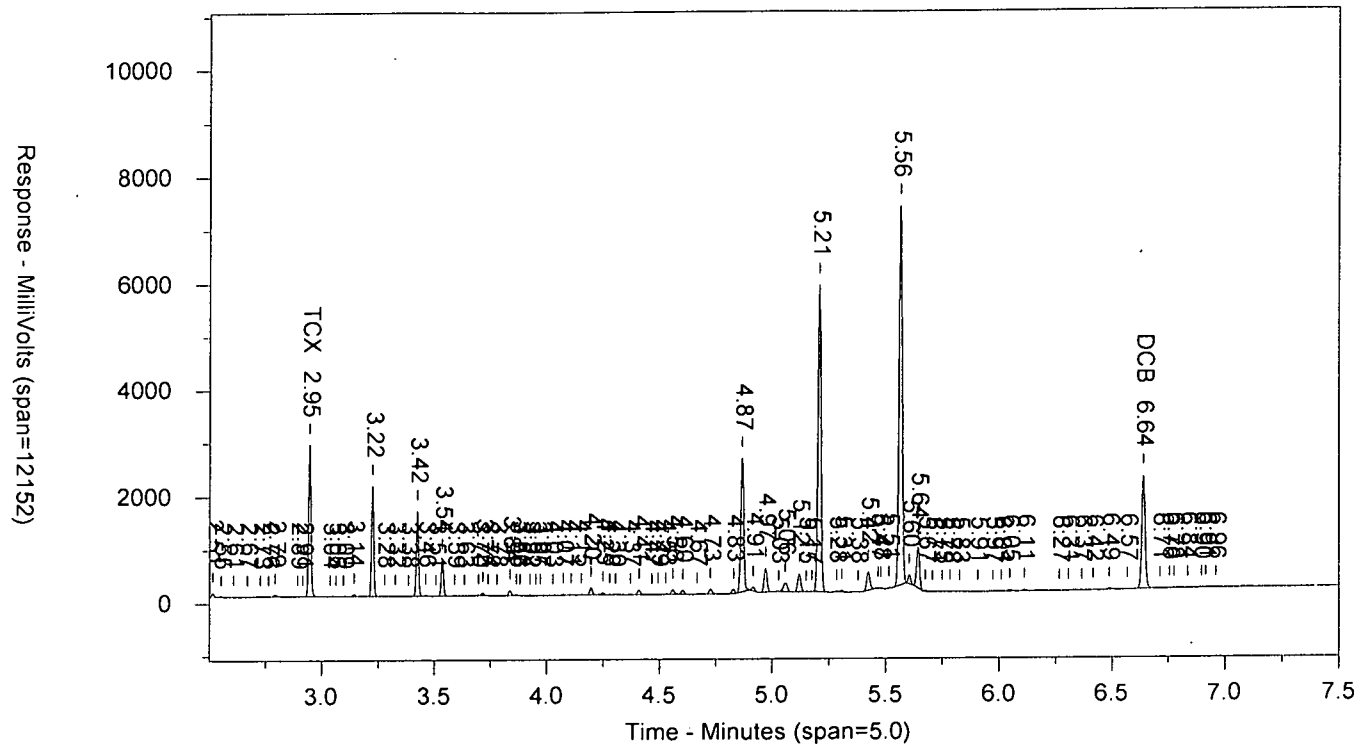

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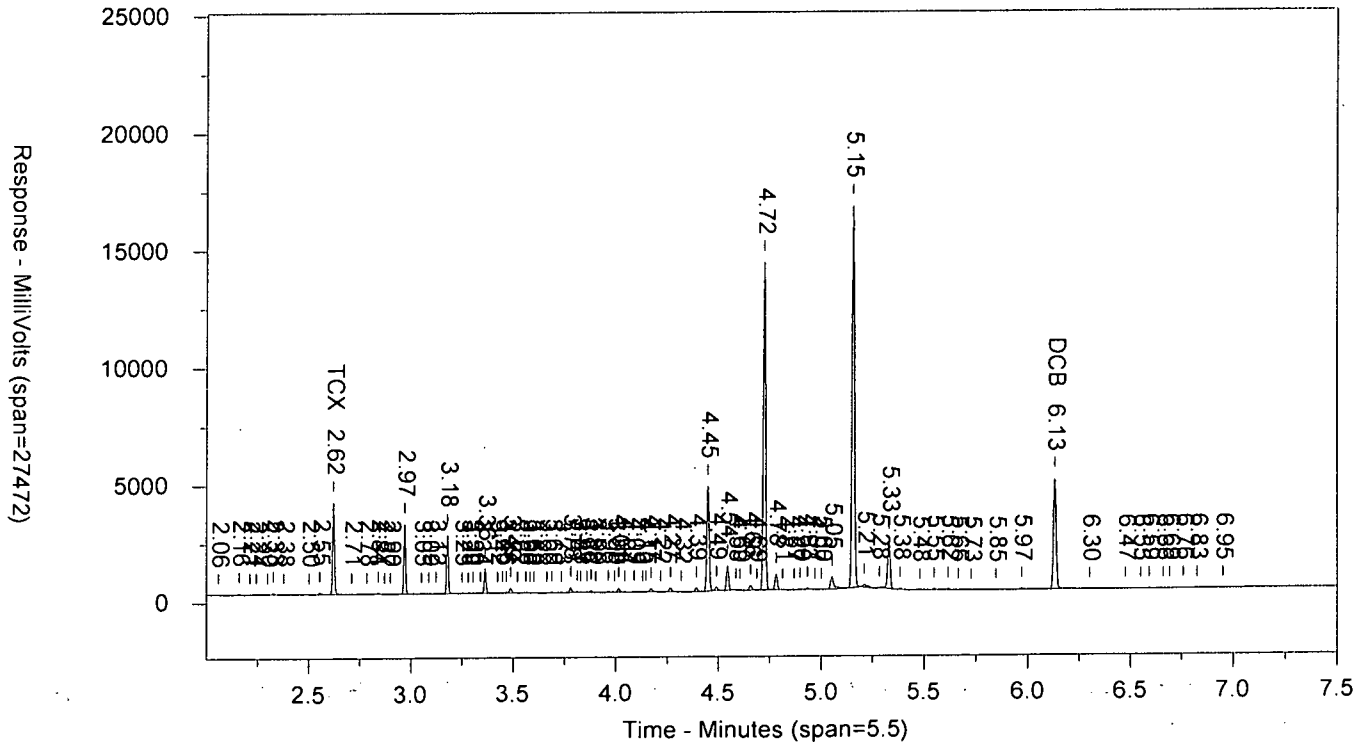

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:49:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.048		18825	19922
2.095		4637	10119
2.169		526	193
2.241		2784	3070
2.319		325	291
2.342		49509	36535
2.375		956	2217
2.453		477	436
2.507		9949	11459
2.546		2123	1754
2.582		1367	883
2.604		9179	6370
2.677		420	541
2.721		410	655
2.761		2829	3263
2.793		31382	31884
2.858		564	313
2.891		804	502
2.918		6109	4700
2.947	TCX	570418	410239
2.984		2300	1545
3.01		758	584
3.048		974	791
3.096		22258	20189
3.153		30447	25490
3.201		137247	99109
3.295		21288	20624
3.42		130254	82640
3.437		61042	32718
3.474		15119	8991
3.501		11590	9561
3.537		163191	131316
3.574		871	324
3.594		1853	1138
3.613		5201	3303
3.648		34677	20789
3.664		16095	8288
3.707		70985	43202
3.718		160153	82037
3.756		192301	151864
3.813		174073	131354
3.855		12576	9136
3.883		117664	87062
3.911		73831	64182
3.931		16443	8784
3.973		3380	3251
4.008		127759	95085
4.032		45500	29209
4.063		48520	34357
4.096		136818	130853
4.137		39944	33042
4.199		15857	15409
4.224		5865	3801
4.259		119752	90353

RT A	Compound A	Height A	Area A
4.276		18601	9682
4.302		39334	41441
4.372		22456	26392
4.415		135441	135565
4.449		4161	2957
4.512		1523	1232
4.551		16692	16844
4.603		16788	11345
4.62		32308	22608
4.664		98975	89935
4.714		122721	138022
4.75		26701	17883
4.79		275828	268896
4.834		2782	2185
4.875		57379	55511
4.908		3850	2667
4.936		57702	52635
4.989		335140	443672
5.04		68010	62957
5.079		157091	179963
5.122		2564	1263
5.158		35172	38913
5.192		413219	439129
5.233		5981	2654
5.259		190135	185724
5.301		126152	124165
5.395		58675	47544
5.42		201645	186115
5.476		117988	111127
5.514		70147	68799
5.555		11676	11993
5.596		76349	89226
5.654		533998	568939
5.76		838	1353
5.806		299	237
5.858		323917	326174
5.888		24277	15516
5.914		77379	89318
5.962		1142	1108
6.013		3439	4332
6.051		10401	9482
6.102		4423	3248
6.13		60438	60802
6.246		1087	4784
6.287		141790	149162
6.332		7925	7492
6.374		2416	2200
6.425		1472	2323
6.492		40372	44083
6.574		1950	2915
6.643	DCB	458502	512201
6.696		666	329
6.743		599	603
6.759		570	295
6.807		746	2844
6.84		2865	4446
6.893		784	963
6.92		1458	1556
6.954		815	167
6.972		765	426

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:49:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.162		12356	12466
2.209		4238	5186
2.235		1514	1582
2.28		2046	1660
2.304		2111	1469
2.37		1211	1412
2.416		1741	1973
2.501		14158	15201
2.526		5383	3577
2.554		67804	64863
2.621	TCX	708303	447541
2.665		14950	11268
2.794		35530	25426
2.84		8269	3650
2.855		37828	21805
2.908		187039	120269
2.956		2475	2639
2.998		2639	1572
3.019		26063	16650
3.116		245583	249401
3.168		30097	18934
3.19		15316	9680
3.216		21916	11950
3.239		241595	167403
3.277		10540	9026
3.324		64172	34727
3.34		49704	25976
3.4		466522	497563
3.434		264957	216140
3.51		269433	178816
3.546		198863	128897
3.569		203228	121056
3.588		68249	35488
3.675		232043	153642
3.698		112053	69990
3.721		60822	35658
3.748		64404	33919
3.766		201732	129798
3.806		82810	59164
3.854		13190	12295
3.876		56998	35835
3.898		280809	194300
3.924		64918	40220
3.945		8188	3573
3.964		68106	48099
3.999		243733	173190
4.033		12456	7356
4.048		22017	13710
4.099		10661	8527
4.144		25056	25849
4.199		79844	50372
4.244		68909	41456
4.262		68841	33334
4.275		159685	89646

RT B	Compound B	Height B	Area B
4.301		111799	109197
4.353		561898	435538
4.4		8378	7972
4.423		63862	43692
4.447		133968	100655
4.49		634489	509634
4.592		531772	528708
4.646		76850	63220
4.684		161749	145240
4.721		691551	590292
4.754		330899	239667
4.792		215822	180544
4.891		86032	95331
4.942		433398	354944
4.966		66956	43523
5.016		240229	226773
5.051		128251	103724
5.081		92233	74691
5.113		37654	22212
5.135		1014630	846166
5.177		23188	17410
5.208		46582	40550
5.326		12802	8217
5.35		222489	187982
5.393		614824	668508
5.549		25580	23718
5.595		22257	16218
5.617		18102	12660
5.667		128579	118809
5.774		286478	253657
5.804		18641	13846
5.945		2396	1564
5.973		89396	77403
6.134	DCB	1045903	958340
6.29		1277	2682
6.313		2034	2507
6.464		1519	2778
6.517		1201	1314
6.592		1895	1990
6.706		2808	4941
6.814		1212	7870
6.878		1416	1363
6.922		2832	5784

AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082

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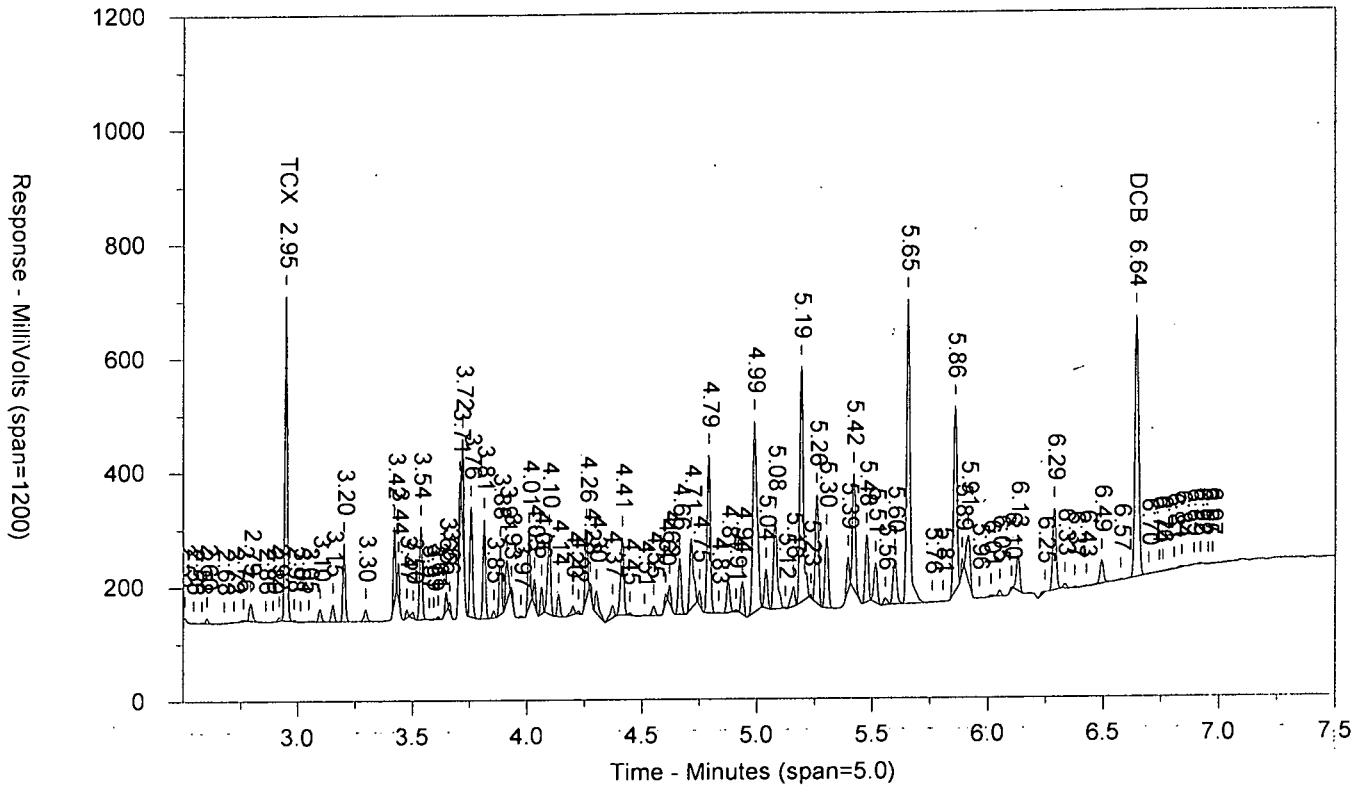

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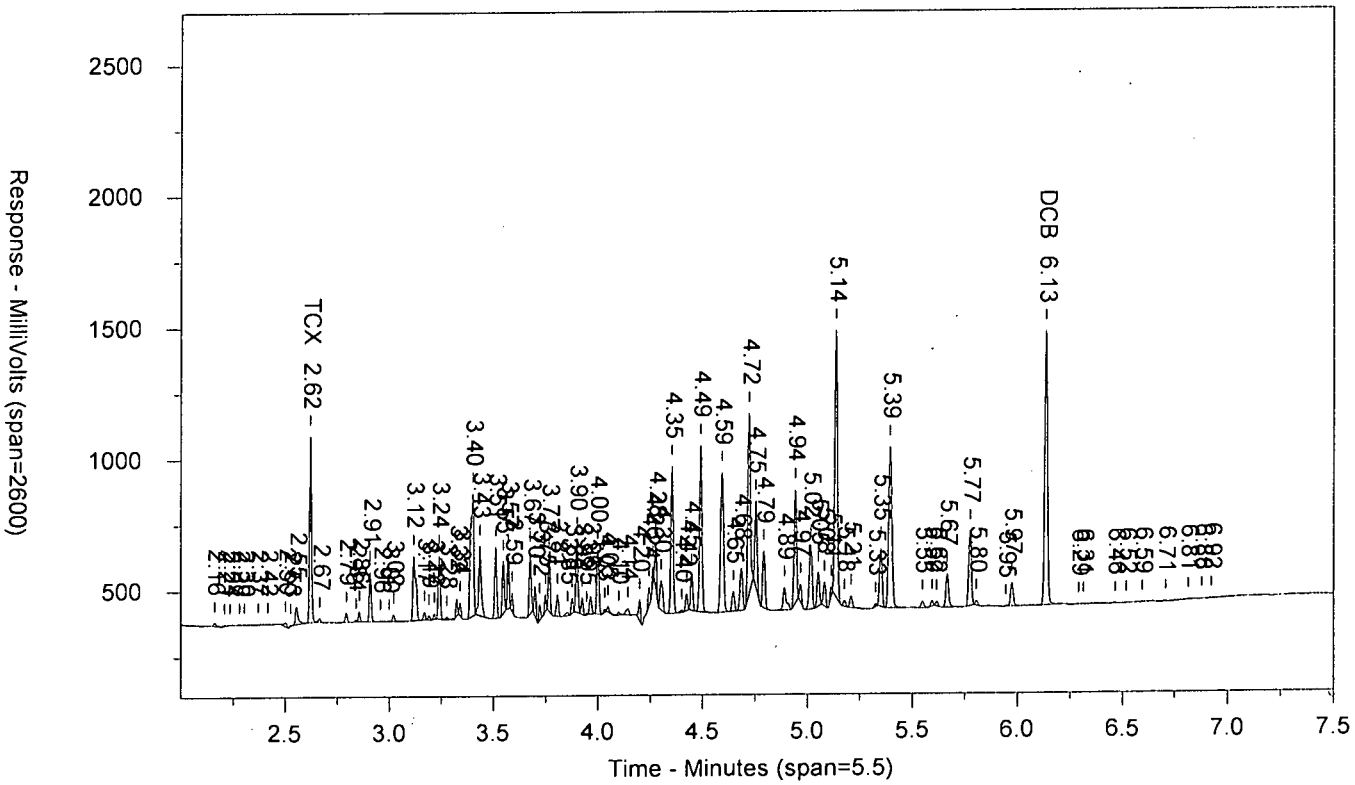

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:49:05 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	570418	4.473	TCX	2.621	708303	3.824	TCX
6.643	458502	5.51	DCB	6.134	1045903	5.395	DCB

Files:
Area File: 25pcbs17116001.007.RAW
Area File: 25pcbs17116001B.007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 2:57:35 PM
File Reported On: 4/26/2017 at 2:57:45 PM

AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082

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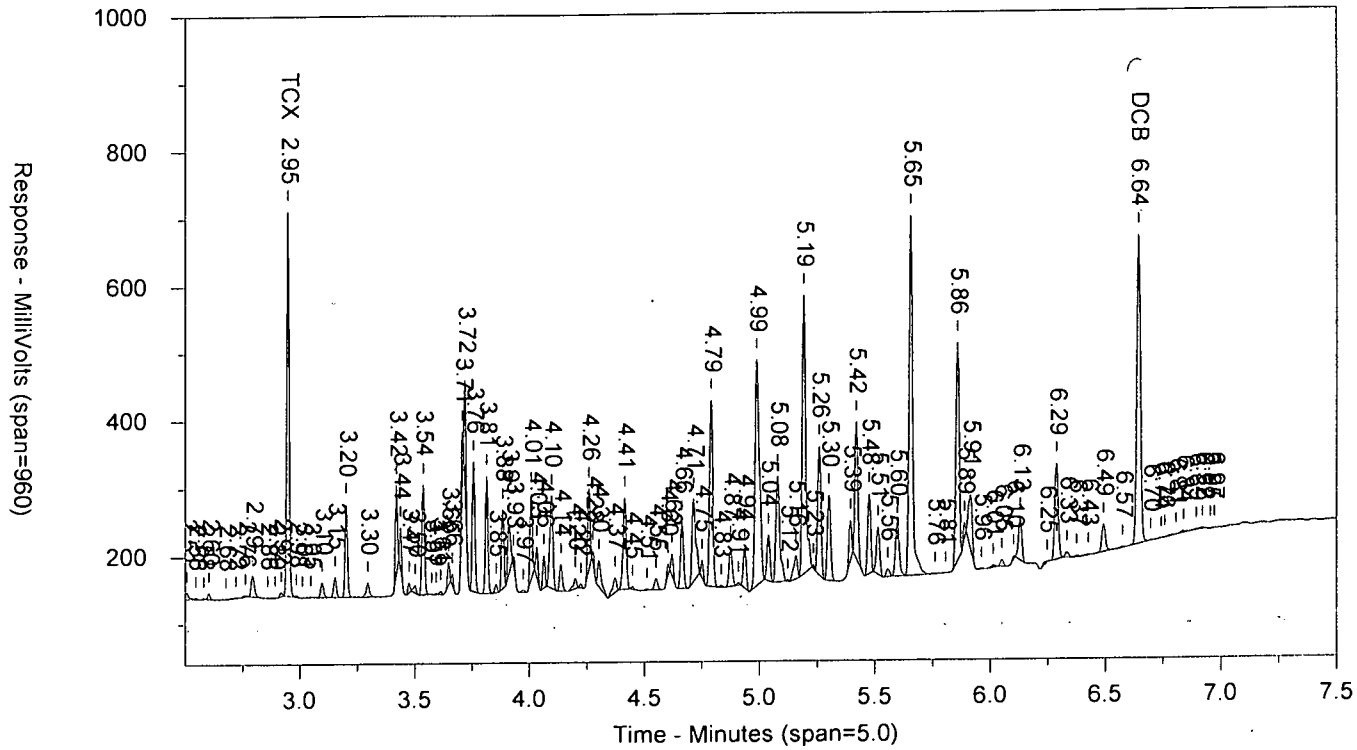

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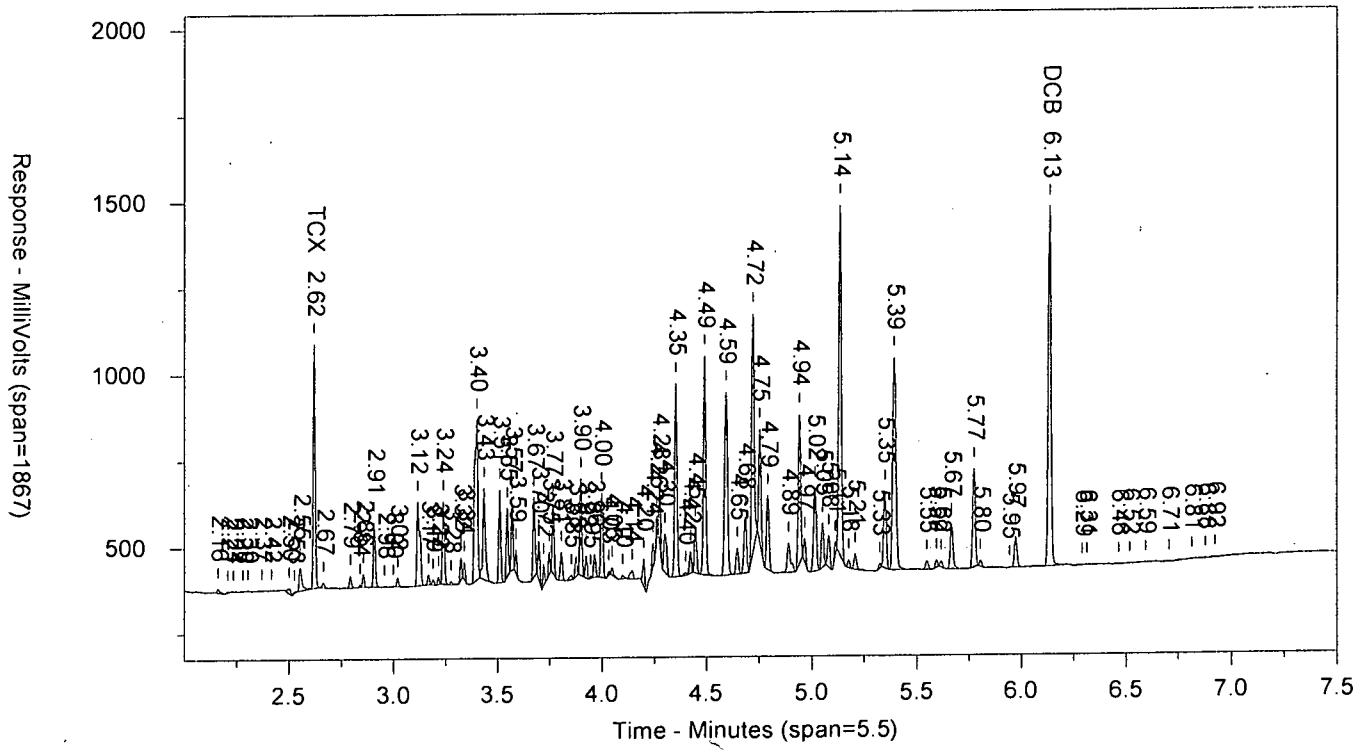

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:00:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		10477	10686
2.091		3962	5775
2.168		972	1121
2.24		12583	9879
2.307		410	237
2.34		54971	42167
2.373		880	681
2.505		3413	3023
2.544		1556	1227
2.579		2512	1679
2.601		7318	5116
2.662		767	918
2.73		414	1352
2.762		1792	2267
2.791		35724	37807
2.89		847	821
2.915		2112	1539
2.945	TCX	2693565	1897662
3.009		1545	1055
3.043		1325	1150
3.094		39974	35851
3.148		61222	59756
3.198		234898	176490
3.276		2895	1498
3.292		27600	18970
3.334		702	587
3.416		228118	141800
3.433		105186	55210
3.47		27053	15882
3.486		2411	941
3.496		13865	7788
3.531		276401	228789
3.57		1360	630
3.589		8828	5254
3.608		8648	5343
3.643		62430	36973
3.658		32102	15426
3.702		112590	63227
3.712		281418	147164
3.75		332492	268377
3.807		296402	233416
3.849		22717	16510
3.878		193985	151562
3.906		123416	110151
3.926		30457	16076
3.96		708	643
4.002		213983	163014
4.027		76341	50750
4.058		85785	61860
4.092		233853	231086
4.132		76357	61670
4.18		4465	2703
4.194		8532	5297
4.218		13240	8643

RT A	Compound A	Height A	Area A
4.253		201295	155999
4.271		37407	18723
4.295		65209	54234
4.366		38228	38996
4.409		228793	237010
4.443		8159	5759
4.506		2827	2274
4.546		29347	29036
4.598		31906	21644
4.615		54633	39134
4.659		164415	152566
4.709		210978	244571
4.746		49959	34376
4.785		479640	465324
4.829		4920	4154
4.87		98299	100066
4.905		8969	6028
4.932		98959	88304
4.984		588375	765543
5.035		118581	109109
5.073		280617	315784
5.116		2759	1266
5.153		62790	75724
5.187		723714	763581
5.228		10046	4575
5.254		331666	317867
5.297		217111	216070
5.39		101292	82823
5.415		347404	320357
5.471		206815	191328
5.509		124381	123366
5.551		24419	25116
5.593		133753	158162
5.65		915333	1006144
5.749		1421	1467
5.798		446	512
5.854		564931	562911
5.883		41925	24445
5.91		125666	145927
5.955		1520	1552
6.014		1462	2329
6.047		31991	30705
6.125		122914	178363
6.243		4113	10847
6.281		242624	256602
6.326		17199	16012
6.366		1668	1883
6.417		1297	2196
6.485		84108	90577
6.576		1259	2235
6.637	DCB	1877519	2023006
6.698		529	252
6.726		746	643
6.751		738	416
6.787		1981	2893
6.829		1521	1475
6.869		635	376
6.898		474	994
6.916		1477	1487
6.949		728	308
6.987		773	1031

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:00:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		5178	5885
2.162		9305	8150
2.211		2450	2729
2.24		3474	4491
2.281		3020	3871
2.304		3389	2174
2.383		1322	3155
2.503		13858	23714
2.537		3985	6867
2.554		79412	70327
2.621	TCX	3751281	2240357
2.665		26973	18102
2.793		64785	44893
2.84		36556	17800
2.854		58723	31175
2.907		327207	213470
2.957		9615	6546
2.996		1845	1016
3.018		45576	30445
3.115		441294	441151
3.167		55907	33930
3.189		26518	16318
3.214		40857	22120
3.238		429603	296634
3.276		18374	11249
3.303		15421	7938
3.322		133793	138865
3.389		244593	115370
3.398		463368	198402
3.432		482583	372483
3.507		497275	317656
3.543		349559	222293
3.566		373513	210331
3.584		116076	61857
3.671		413300	280185
3.694		181410	105462
3.716		127650	77710
3.744		103963	55695
3.762		365623	225398
3.803		141884	104271
3.85		22710	20605
3.873		103448	63111
3.895		529265	342649
3.92		109710	68309
3.941		17231	8361
3.96		91641	61771
3.995		433501	304260
4.028		23873	13432
4.044		38620	24497
4.094		10319	10610
4.139		41744	44489
4.196		123384	78137
4.24		117828	71475
4.258		108057	56194

RT B	Compound B	Height B	Area B
4.271		276144	158504
4.297		185805	187218
4.349		977510	771312
4.397		15551	14426
4.419		113577	77534
4.444		231626	170087
4.486		1156651	912035
4.589		995262	948567
4.642		132215	109911
4.681		283898	254717
4.717		1290953	1083788
4.75		588510	424858
4.788		404715	331351
4.864		2209	1315
4.888		153931	161093
4.939		791451	630651
4.962		119296	78678
5.013		433399	397763
5.048		226960	181043
5.078		164851	137858
5.11		69121	41911
5.131		1860200	1540901
5.173		43002	32280
5.205		94658	81328
5.323		23044	14307
5.346		396616	327500
5.389		1021071	1155583
5.492		2759	2920
5.546		67872	60638
5.592		37462	27377
5.614		60164	46611
5.664		237681	207504
5.77		500105	441808
5.801		34362	25087
5.97		171247	162457
6.129	DCB	4432207	3950408
6.272		1878	2119
6.308		3240	4862
6.455		2562	4967
6.586		5372	6432
6.774		2149	8270
6.825		1757	2513
6.866		1888	2249
6.927		2205	5543

AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082

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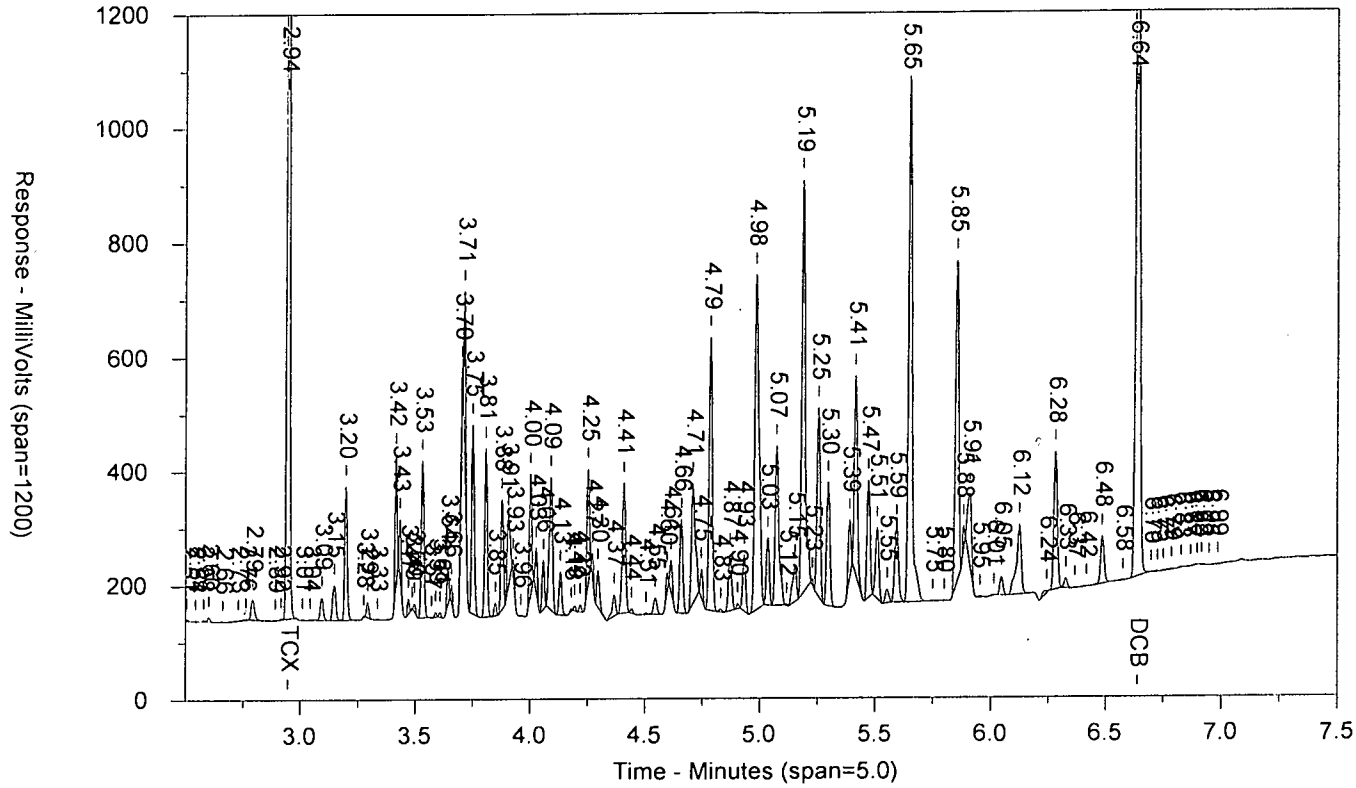

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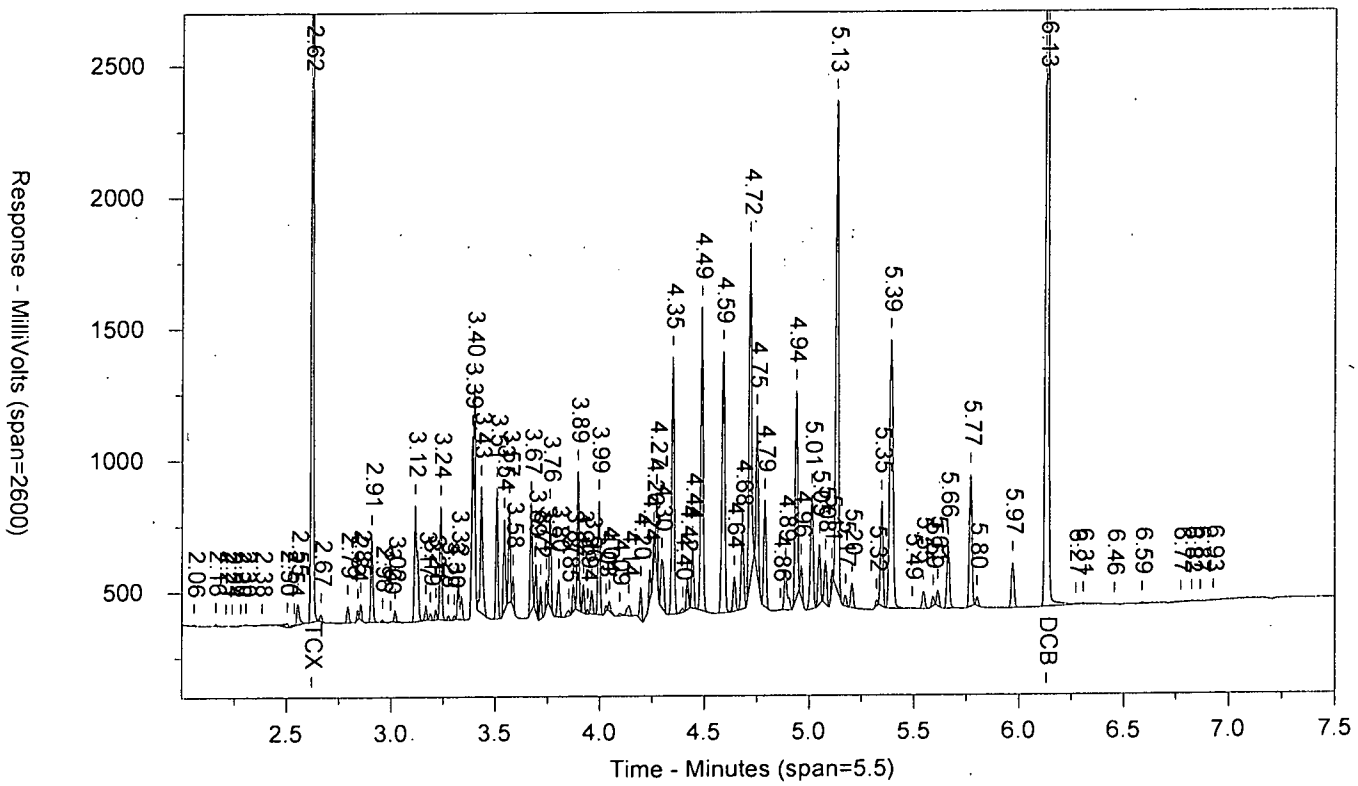

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:00:21 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2693565	20.724	TCX	2.621	3751281	20.196	TCX
6.637	1877519	21.509	DCB	6.129	4432207	21.841	DCB

Files:
Area File: 25pcbs17116001.008.RAW
Area File: 25pcbs17116001B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:08:51 PM
File Reported On: 4/26/2017 at 3:09:01 PM

AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082

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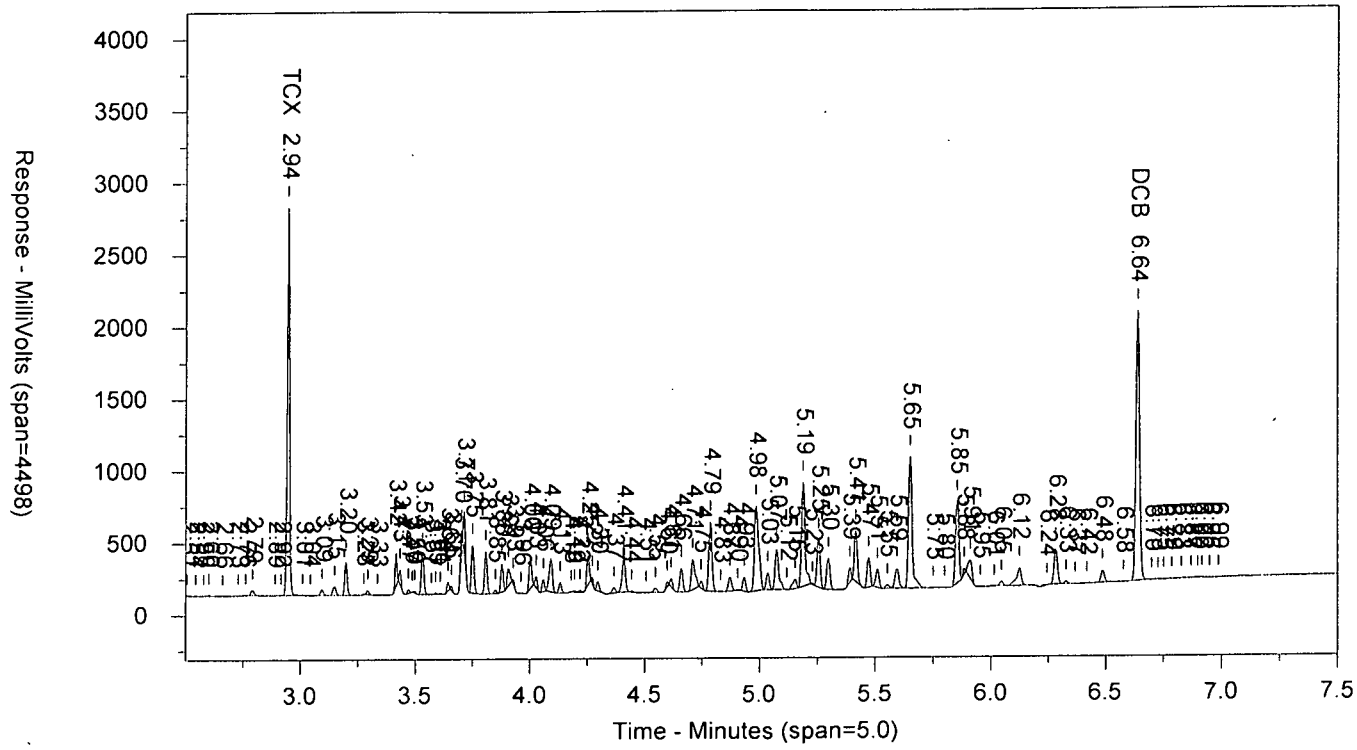

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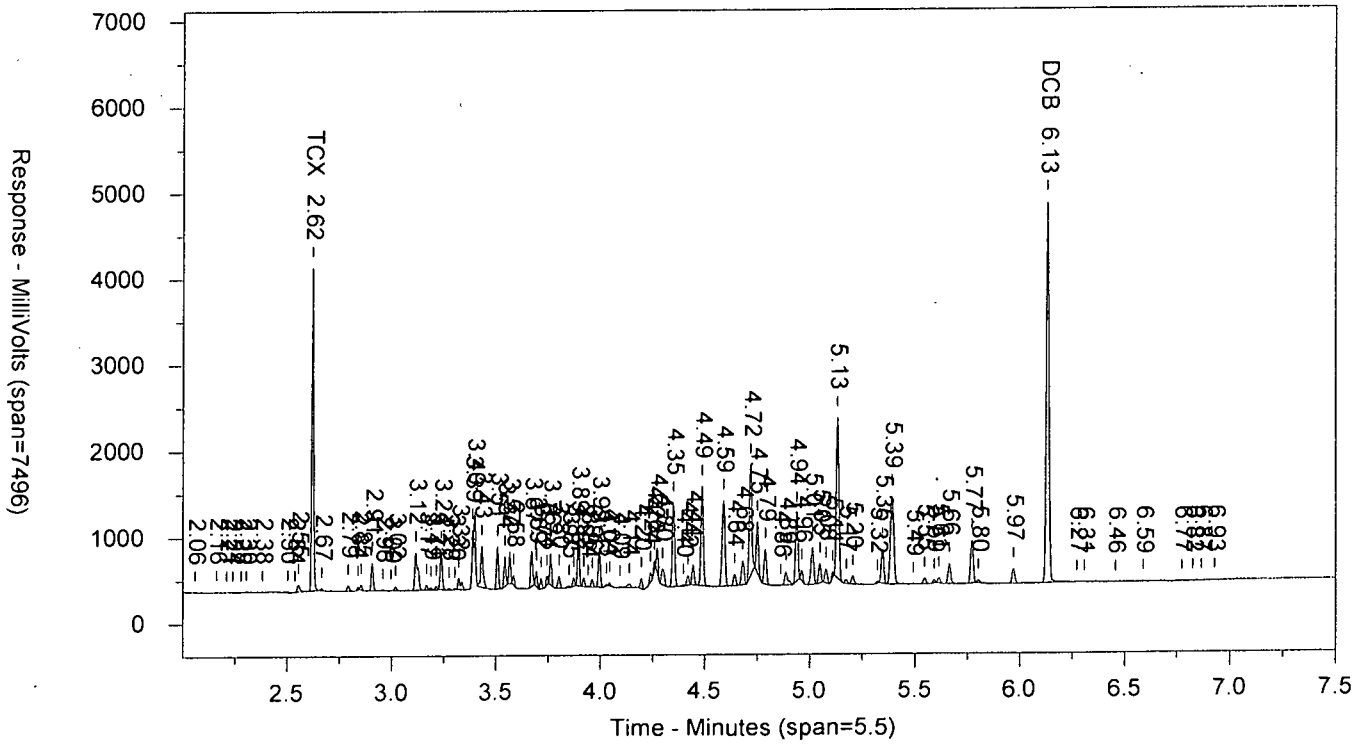

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:11:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		7648	9067
2.089		2158	3323
2.123		505	242
2.15		1167	650
2.168		883	971
2.24		24952	19355
2.34		30326	27241
2.444		493	424
2.505		4676	5836
2.544		2062	1928
2.58		5709	4035
2.668		714	998
2.719		1350	1091
2.759		2601	3474
2.791		6741	6725
2.853		1078	627
2.889		790	724
2.916		1622	1071
2.945	TCX	5584748	3916169
3.043		2335	1869
3.066		1021	586
3.093		80411	71523
3.148		125628	118909
3.197		456256	336252
3.275		6171	3240
3.292		53320	35245
3.334		980	554
3.415		419215	265637
3.432		206584	109550
3.47		54156	31939
3.486		3864	1630
3.496		28682	15137
3.531		550934	436048
3.569		1973	962
3.589		17600	10928
3.608		18455	11466
3.642		119982	70556
3.657		55244	28536
3.701		203720	122561
3.712		545402	293241
3.749		670860	517689
3.807		590422	455046
3.849		45092	33130
3.878		383153	285851
3.906		244255	207404
3.927		64020	34754
4.001		404757	307693
4.026		146255	96062
4.057		158515	118799
4.091		453831	444865
4.131		138898	120861
4.179		12727	8138
4.193		5414	2902
4.218		26743	18789

RT A	Compound A	Height A	Area A
4.253		378141	289938
4.269		53753	30238
4.295		125004	98587
4.366		70791	60879
4.408		438567	450673
4.442		14586	10430
4.484		309	144
4.504		5635	4609
4.545		56222	54794
4.597		67978	44318
4.614		105813	74337
4.658		304068	290665
4.708		398765	457042
4.745		89902	64198
4.784		927678	905067
4.827		8262	7144
4.87		188984	193690
4.904		14847	10152
4.93		180254	173324
4.983		1136289	1482520
5.034		219291	207179
5.073		551284	617270
5.114		3605	1672
5.153		120011	146641
5.186		1489058	1525898
5.228		15658	7167
5.253		640896	607555
5.296		408376	416473
5.389		190556	156347
5.415		699881	633912
5.47		388479	361412
5.509		227017	232745
5.55		47268	50062
5.591		260018	305778
5.649		1854117	2019383
5.742		1735	2075
5.853		1163676	1108007
5.882		82558	50185
5.908		250529	286301
5.977		506	124
6.012		1831	2820
6.044		56555	54281
6.124		232548	332062
6.238		2514	4776
6.28		471035	495332
6.325		34994	32031
6.375		538	738
6.416		1872	2634
6.455		541	497
6.484		156171	167941
6.576		1708	2843
6.635	DCB	3765898	4096282
6.707		751	314
6.736		894	947
6.783		2268	3372
6.829		2798	3283
6.91		3148	6638
6.975		517	382

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:11:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9457	8537
2.159		2680	5190
2.209		3257	3472
2.304		6355	5202
2.362		1719	2391
2.417		2803	3483
2.503		7590	6437
2.526		4442	3209
2.555		9960	8236
2.596		1880	1026
2.621	TCX	7793176	4689211
2.665		49480	35669
2.794		127041	87588
2.84		69102	34127
2.855		106507	57339
2.907		627991	411270
2.957		20252	12632
3.019		87793	60447
3.115		858802	847092
3.167		105420	66377
3.188		49996	29392
3.215		74984	43428
3.238		850135	573246
3.275		36829	22386
3.303		30827	15938
3.322		252149	274690
3.388		523256	243348
3.398		1004155	418632
3.432		961811	730487
3.507		1000944	630607
3.542		671521	428499
3.566		737024	411677
3.584		218062	114903
3.671		784432	543268
3.694		320277	176190
3.715		301136	181269
3.744		209803	107213
3.762		736975	449516
3.802		258224	196919
3.85		42159	38379
3.873		190050	117362
3.894		1010825	669518
3.92		205998	126799
3.94		32082	15488
3.96		145743	97106
3.994		846754	590343
4.028		40347	23899
4.044		71384	46236
4.104		10640	13628
4.139		74913	77086
4.172		4717	2428
4.197		248847	177569
4.239		227483	134636
4.257		229586	112596

RT B	Compound B	Height B	Area B
4.271		569427	314613
4.297		363033	360036
4.349		2044882	1539924
4.396		28020	25768
4.418		226988	147220
4.443		443408	330244
4.486		2376417	1815695
4.589		2012222	1914543
4.642		251847	216548
4.68		564110	490375
4.717		2691214	2218572
4.749		1165437	831965
4.787		790839	647474
4.859		3032	3759
4.886		300529	314618
4.938		1624706	1268621
4.962		230409	151042
5.013		859784	780065
5.048		446473	349904
5.077		314430	264592
5.109		125946	76374
5.131		3918283	3242776
5.172		81590	63075
5.204		170289	146074
5.322		44790	28802
5.346		787917	641831
5.391		2574270	2829560
5.507		1996	1223
5.546		115665	97830
5.591		71640	51483
5.614		98118	72570
5.662		440638	392544
5.77		1031160	873309
5.802		63780	47352
5.97		335901	295339
6.074		1027	1456
6.13	DCB	9210380	8074176
6.241		2325	4471
6.308		5468	7358
6.454		1462	2635
6.585		9954	9162
6.691		1105	1494
6.741		861	583
6.761		1947	1072
6.823		2126	4360
6.907		576	443

AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082

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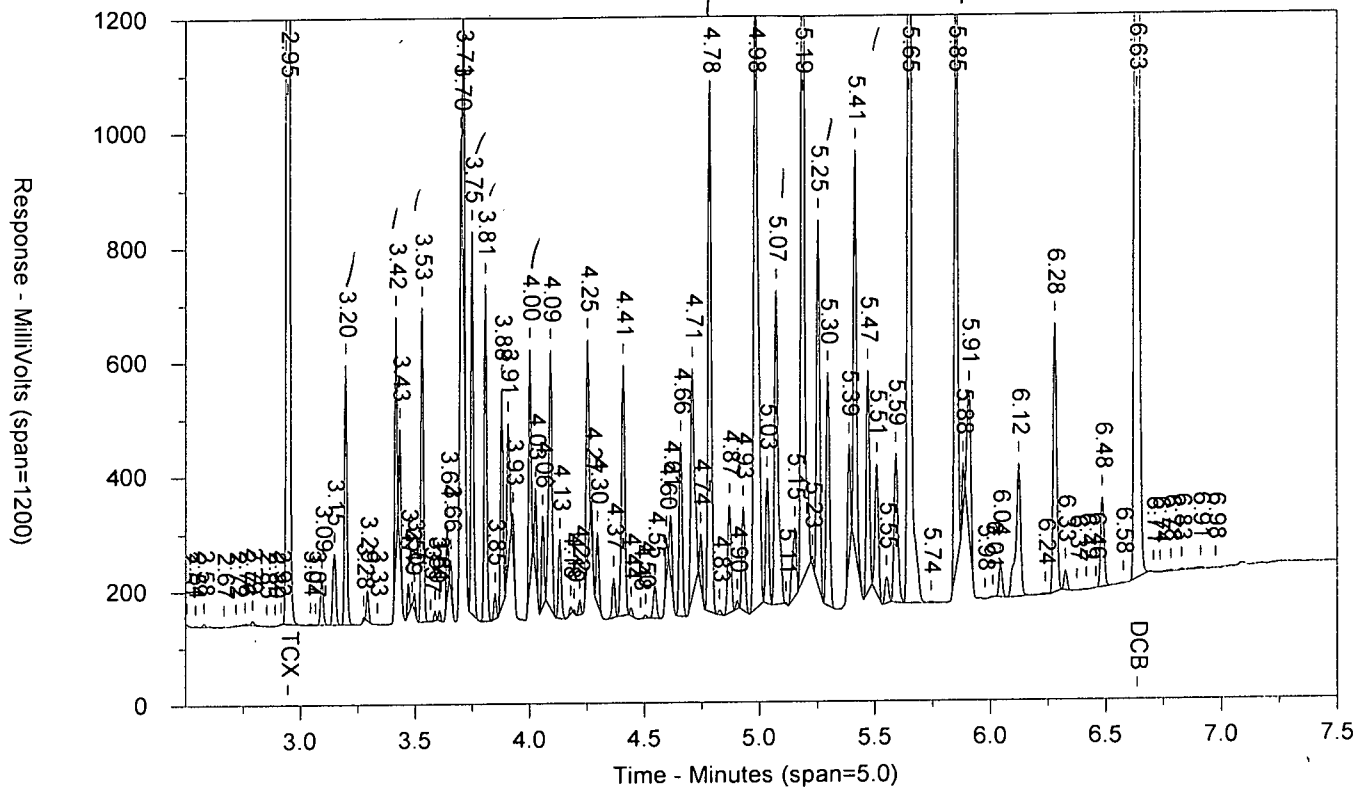

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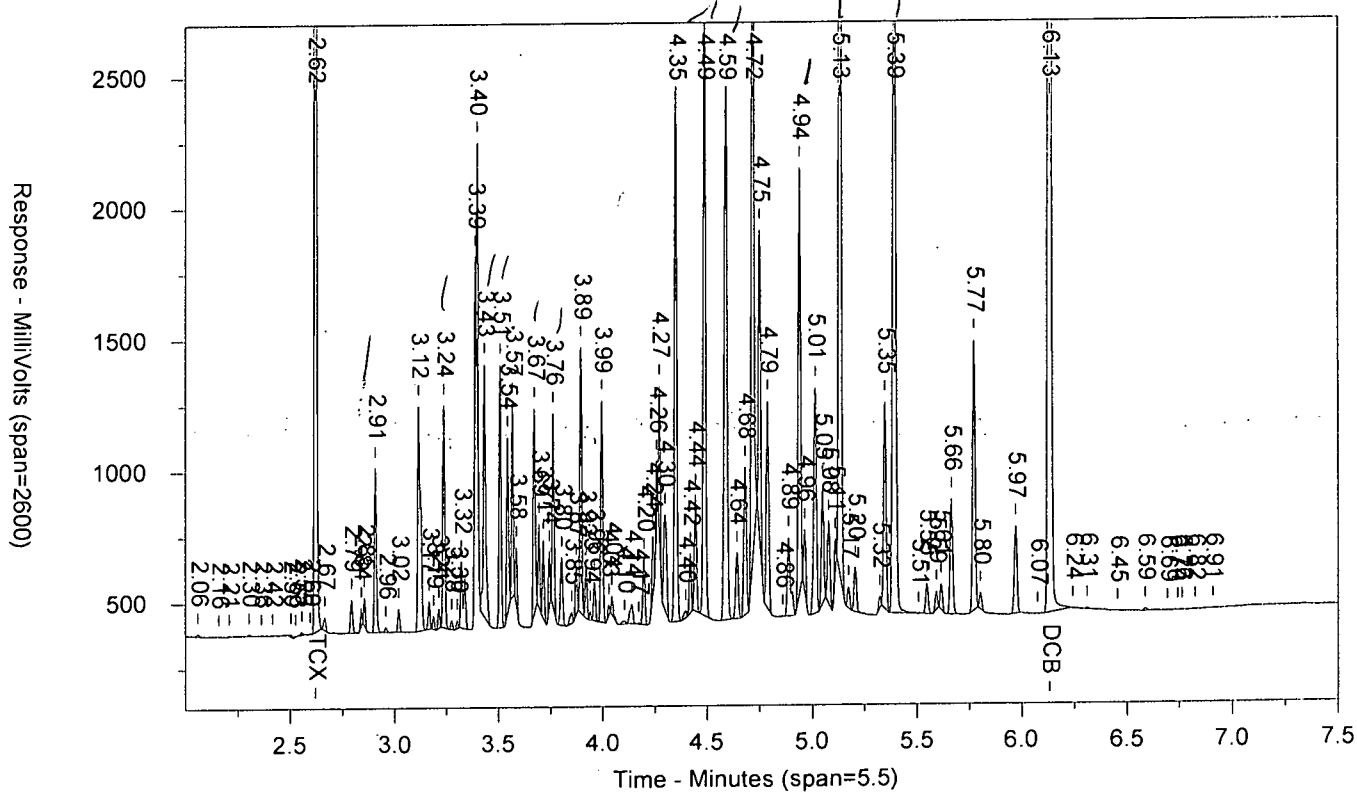

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:11:36 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5584748	42.362	TCX	2.621	7793176	41.707	TCX
6.635	3765898	41.557	DCB	6.13	9210380	43.673	DCB

Files:
Area File: 25pcbs17116001.009.RAW
Area File: 25pcbs17116001B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:20:06 PM
File Reported On: 4/26/2017 at 3:20:13 PM

AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082

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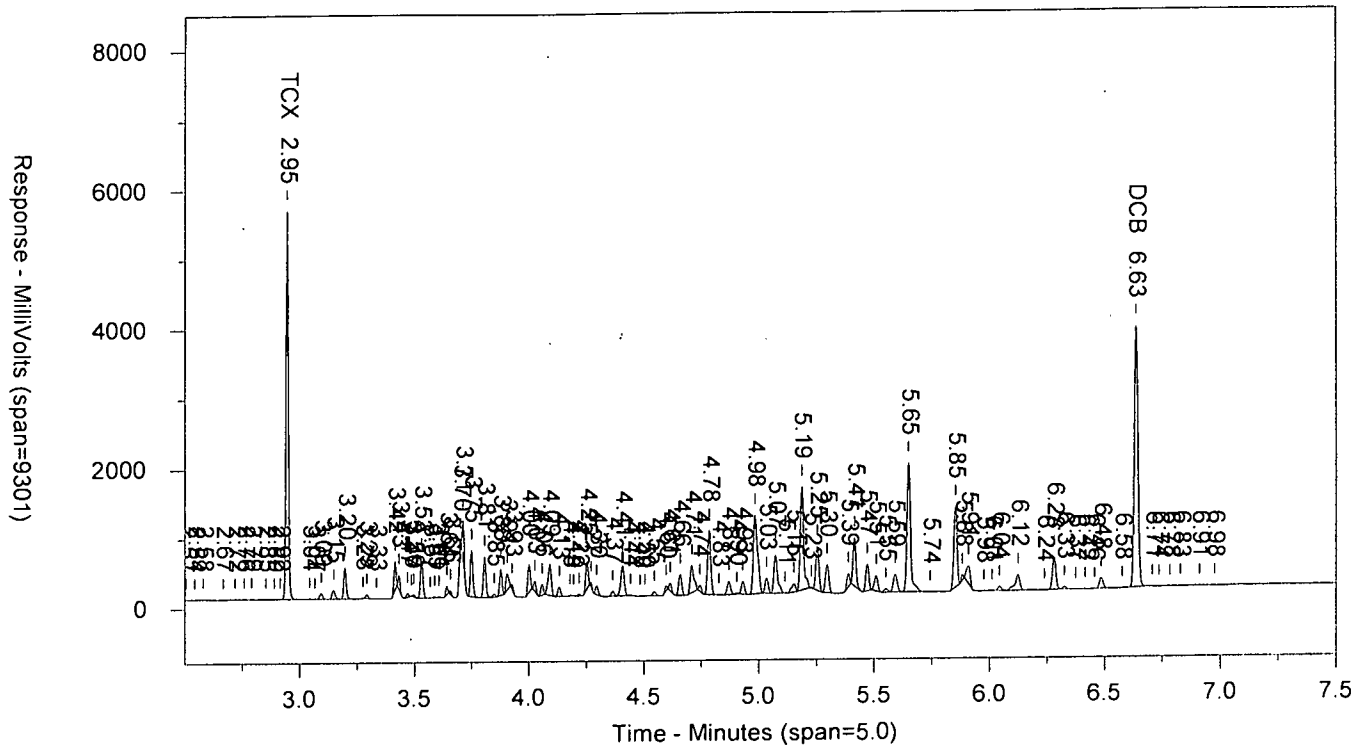

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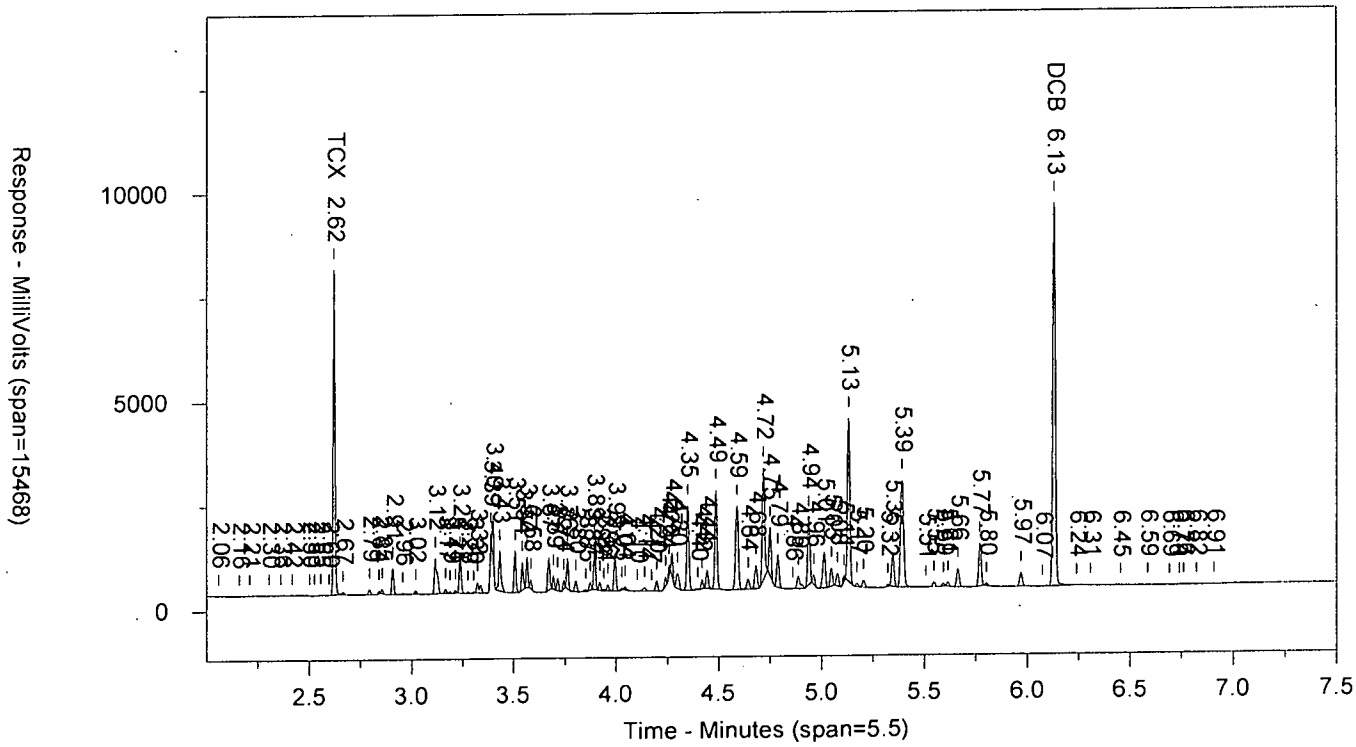

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:22:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		910	658
2.045		12851	12191
2.092		6524	16714
2.175		1623	1749
2.195		667	681
2.24		37054	29654
2.309		626	462
2.34		71530	62404
2.409		704	481
2.443		909	1291
2.506		6036	7825
2.544		1892	1441
2.58		13132	8537
2.601		9268	6116
2.669		1239	1280
2.716		893	1503
2.76		2384	2666
2.791		34165	36205
2.856		2923	2013
2.889		1565	1256
2.914		2661	1620
2.945	TCX	8685794	6207008
3.043		3295	2207
3.065		1887	1213
3.093		192597	171711
3.149		264447	241457
3.198		1098147	816380
3.276		8152	4275
3.292		134000	91295
3.334		3096	1983
3.415		1048765	651950
3.433		489310	267133
3.47		129131	77049
3.486		11518	4038
3.496		70630	37119
3.531		1339253	1069338
3.57		5506	2709
3.589		27059	16219
3.608		45884	29041
3.643		280120	167499
3.658		143140	72641
3.701		573609	339560
3.712		1379073	757887
3.75		1659659	1290822
3.808		1471728	1141260
3.849		106305	79357
3.878		897829	673025
3.905		622518	509345
3.927		143553	78636
4.002		1044978	755206
4.026		333123	218361
4.058		383895	275188
4.091		1144607	1086145
4.132		331498	286293

RT A	Compound A	Height A	Area A
4.179		51078	49793
4.218		70934	50980
4.253		979491	728232
4.271		146953	73516
4.295		273903	216725
4.366		166740	154374
4.409		1096435	1080495
4.443		37079	26416
4.482		675	334
4.505		13201	10510
4.547		131584	128699
4.598		147555	104048
4.614		235520	167479
4.659		729918	686391
4.708		1005143	1099480
4.745		202006	150668
4.785		2379337	2243218
4.828		20862	17343
4.87		435897	459171
4.904		36055	23254
4.931		419179	401001
4.983		3002235	3706481
5.034		510450	475143
5.074		1355198	1525317
5.116		15256	6929
5.153		270978	328199
5.186		3915615	4065435
5.253		1559884	1495122
5.296		1039134	1002928
5.389		480149	382818
5.415		1788332	1581214
5.471		918355	855453
5.509		515004	543914
5.551		99554	107990
5.592		617460	735431
5.649		4970026	5154054
5.741		5408	7194
5.793		1604	2117
5.852		3034028	2815283
5.883		176395	116027
5.907		592153	663641
5.95		3240	2940
6.018		1444	3316
6.045		105798	105380
6.097		19686	23850
6.124		472469	471889
6.237		7118	13053
6.28		1145287	1191833
6.325		86620	81796
6.366		1530	1332
6.413		2457	2713
6.484		349716	373283
6.573		1260	2653
6.634	DCB	6335256	6376517
6.692		4177	4055
6.744		839	487
6.763		1337	866
6.777		878	402
6.826		3547	4566
6.873		1118	991
6.897		750	345
6.906		1464	1331
6.97		611	487

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:22:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		14537	12702
2.162		12931	11743
2.215		1942	2598
2.279		2865	2864
2.305		15448	12585
2.362		2589	2989
2.417		2056	1458
2.501		12851	14821
2.537		3829	5875
2.554		72525	64180
2.621	TCX	12293550	7531860
2.665		117185	89686
2.793		284310	201895
2.839		98870	46769
2.854		263965	145926
2.906		1600751	1006790
2.956		30797	19542
2.996		1571	724
3.018		201192	133465
3.049		2407	1584
3.115		2122083	2088115
3.167		241592	152897
3.188		117904	68715
3.214		172324	99303
3.238		2194127	1431374
3.275		84309	50953
3.303		47439	23687
3.322		520381	275851
3.337		304568	145693
3.363		3097	1475
3.398		4799354	4853776
3.431		2524293	1836926
3.507		2614001	1622222
3.542		1686171	1062967
3.566		1913605	1044887
3.584		550646	280730
3.67		2114367	1371079
3.693		795271	441232
3.715		638428	380166
3.744		486974	255022
3.761		1919641	1148783
3.802		635703	466508
3.85		99069	86384
3.872		462709	281156
3.894		2641023	1715549
3.92		517847	306164
3.94		75090	36678
3.959		320128	202081
3.994		2178652	1474289
4.028		95144	57079
4.044		159509	105179
4.105		20931	22094
4.14		171360	175748
4.171		7353	3890

RT B	Compound B	Height B	Area B
4.196		564593	379494
4.239		531032	314505
4.258		581578	287738
4.271		1456375	818643
4.297		889288	886900
4.349		5395685	3945877
4.396		64322	58937
4.418		537099	356628
4.443		1113272	807242
4.485		6149306	4705925
4.588		5344055	4941561
4.641		615120	515887
4.68		1351371	1191017
4.716		7391443	5923665
4.748		3080757	2163670
4.787		2128220	1643027
4.857		7421	8756
4.886		727532	761103
4.937		4265864	3298980
4.961		576786	373411
5.012		2133981	1933339
5.046		1100560	879495
5.077		807533	656435
5.109		372793	215841
5.131		11001540	8709025
5.171		207452	156768
5.204		383354	323988
5.321		103753	66933
5.345		1938858	1602727
5.389		5986446	6544630
5.486		4017	8021
5.545		221911	192748
5.59		181909	132094
5.613		180556	133014
5.662		1121328	975229
5.769		2632578	2204750
5.8		150684	115526
5.921		2663	1348
5.969		742141	673255
6.089		2513	1382
6.129	DCB	14401470	12686460
6.306		9749	19625
6.586		13975	13610
6.686		877	1823
6.761		4541	9079
6.828		1361	1941
6.866		2059	1307
6.925		2346	5097
6.982		2221	2689

AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082

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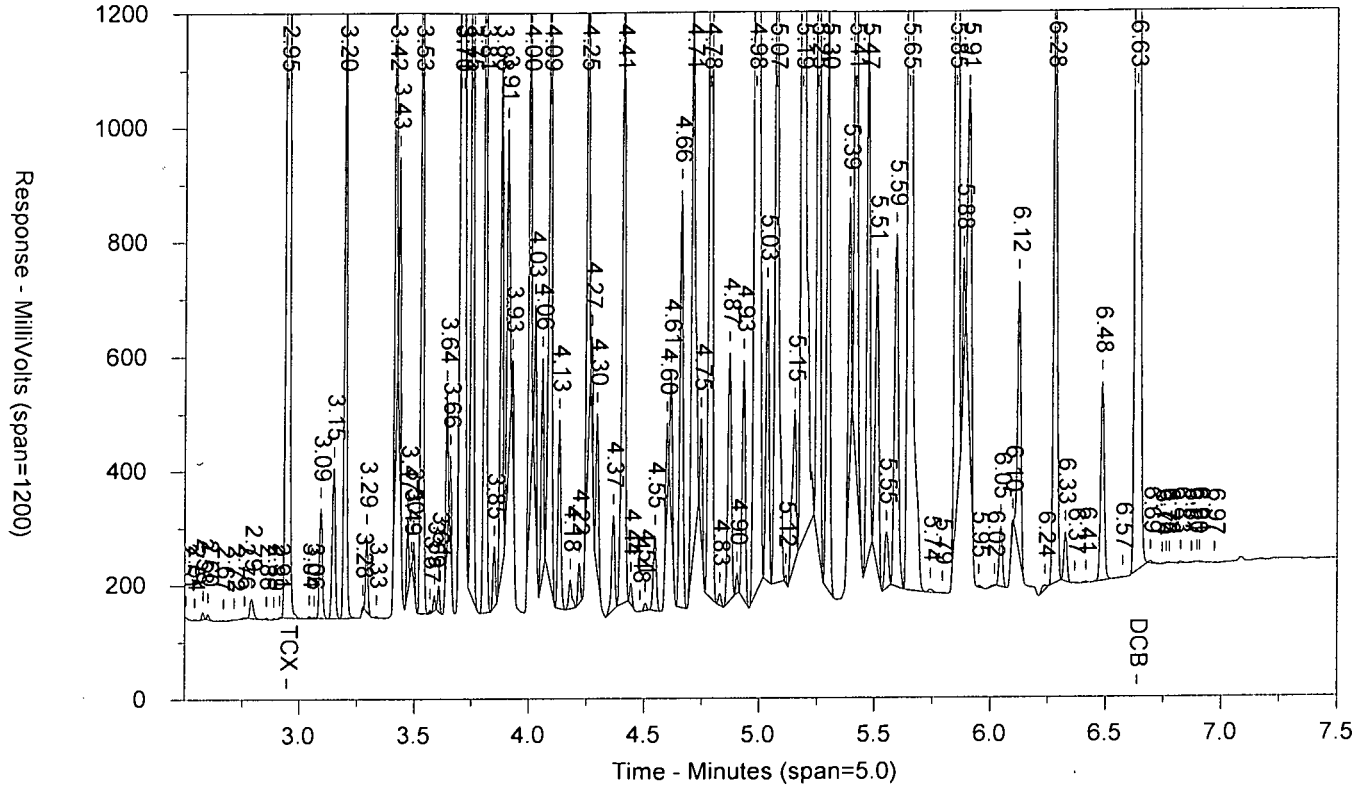

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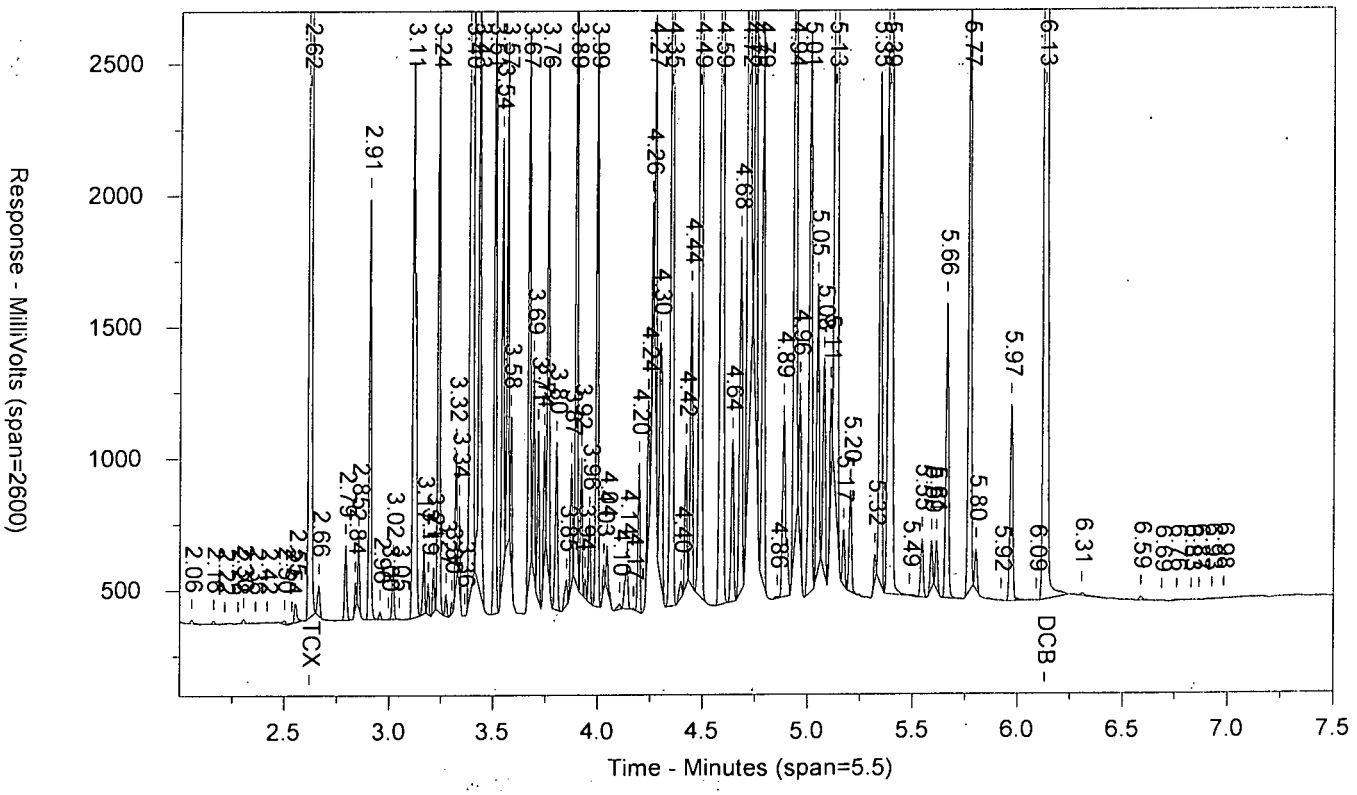

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:22:52 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	8685794	64.529	TCX	2.621	12293550	65.159	TCX
6.634	6335256	67.322	DCB	6.129	14401470	65.455	DCB

Files:
Area File: 25pcbs17116001.010.RAW
Area File: 25pcbs17116001B.010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:31:25 PM
File Reported On: 4/26/2017 at 3:31:32 PM

AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082

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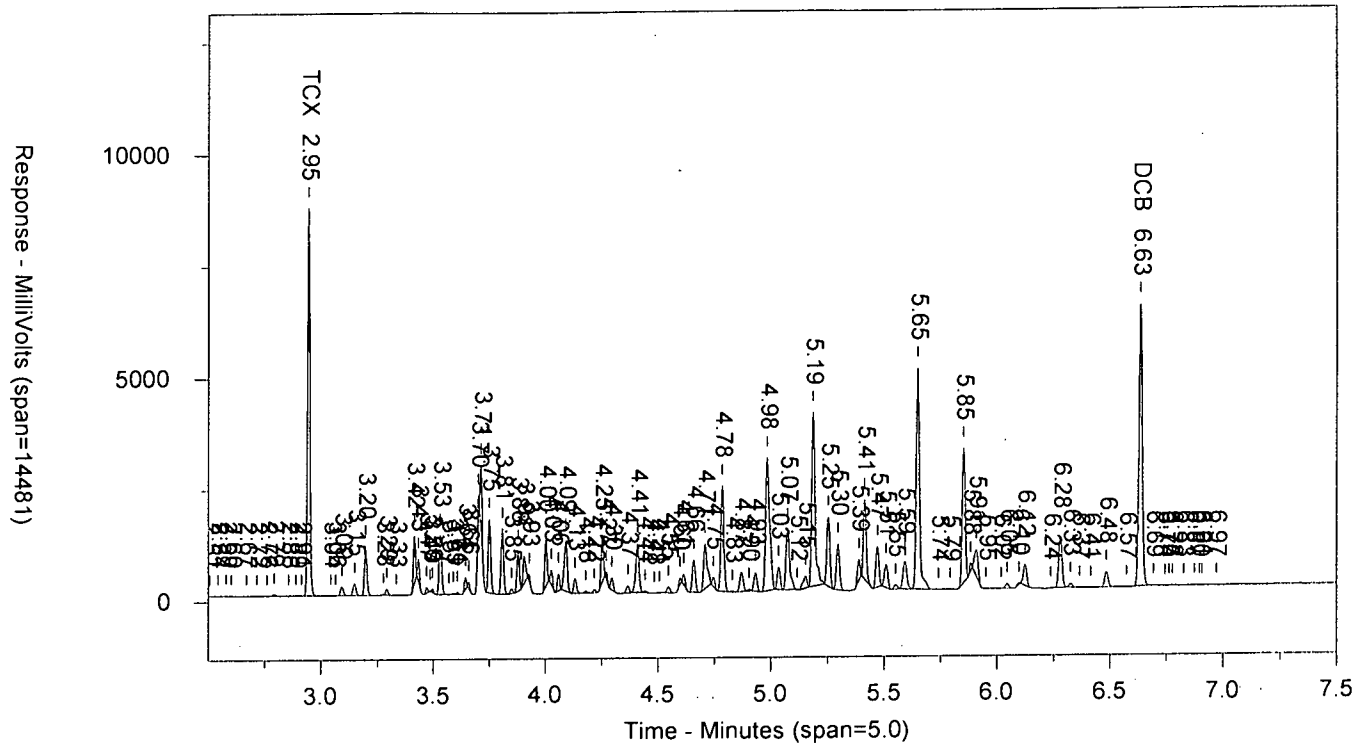

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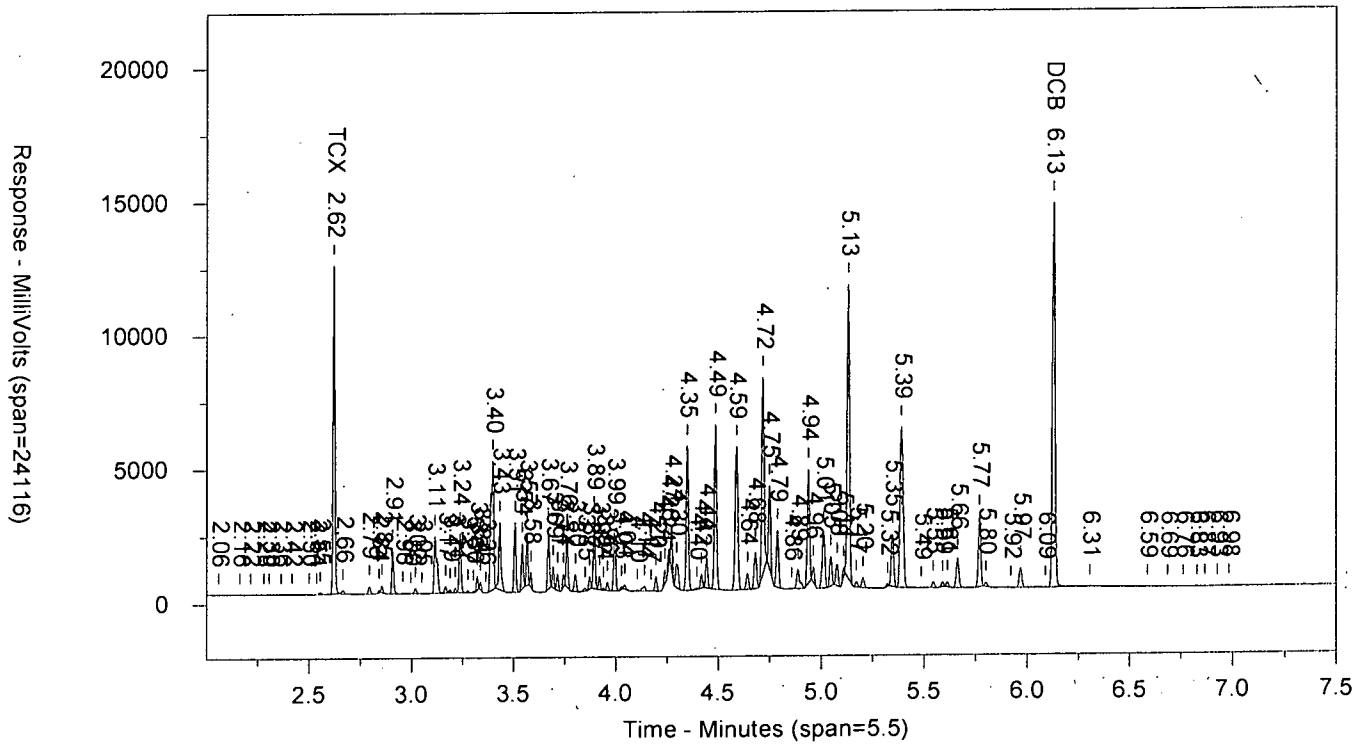


LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:34:13 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.046		9992	11546
2.08		881	488
2.15		1082	543
2.215		515	274
2.24		47150	36101
2.341		44395	43394
2.442		1020	1190
2.506		6167	7851
2.545		2232	1887
2.58		26146	20891
2.669		1077	911
2.715		1725	1666
2.763		1808	1906
2.791		9848	10204
2.856		5229	3748
2.891		561	497
2.915		2973	1753
2.946	TCX	11246010	7847529
3.043		4311	2823
3.061		877	563
3.094		340989	308604
3.15		451348	389767
3.198		2075330	1485184
3.276		9085	4624
3.292		231666	166989
3.335		6316	4506
3.365		625	391
3.416		1974577	1196754
3.432		909369	479515
3.47		219385	131726
3.486		18213	6929
3.496		120755	64802
3.531		2543272	1956171
3.569		10484	5173
3.588		35673	20713
3.608		91965	59683
3.643		492480	293957
3.657		258527	129990
3.702		768745	523641
3.712		2864732	1499509
3.749		3170642	2387440
3.807		2857406	2122569
3.849		189022	140319
3.878		1656307	1233159
3.906		1100139	942860
3.927		267263	139119
4.002		1916949	1398229
4.026		620215	403414
4.058		679280	492306
4.092		2141443	2009395
4.132		579779	511216
4.179		98707	87468
4.219		118906	93753
4.253		1771128	1325818

RT A	Compound A	Height A	Area A
4.271		293560	146849
4.295		503413	385911
4.366		291594	256606
4.409		2020628	1969026
4.443		67527	48269
4.484		1125	625
4.505		23070	19375
4.546		225493	231260
4.597		293640	183462
4.614		429998	299194
4.659		1331523	1236067
4.709		1805617	2010966
4.745		381746	280107
4.784		4499349	4165819
4.829		41375	34327
4.87		789597	817938
4.904		54692	36930
4.931		759377	723696
4.983		5510528	6902032
5.034		939194	839391
5.074		2612085	2821641
5.116		22076	9150
5.153		479678	568326
5.186		7362606	7668623
5.254		3022334	2770692
5.296		1864451	1825973
5.389		931011	708255
5.415		3359661	2952050
5.471		1687504	1552346
5.51		977452	976638
5.55		169285	177467
5.591		1145126	1335661
5.649		9603692	9680995
5.742		9672	12794
5.798		3396	3242
5.853		5698614	5304725
5.883		320445	207674
5.909		1105572	1243180
5.949		3818	3081
6.045		162860	184290
6.097		52520	50116
6.123		846355	832857
6.193		563	182
6.227		2729	3555
6.279		2222094	2173657
6.324		141666	143243
6.41		2187	2231
6.483		602699	632226
6.564		3057	4866
6.634	DCB	7409686	8038436
6.691		4058	2948
6.753		445	295
6.773		1975	2339
6.823		2590	5403
6.882		883	1113
6.947		1297	1133
6.972		442	215

LANCASTER LABORATORIES

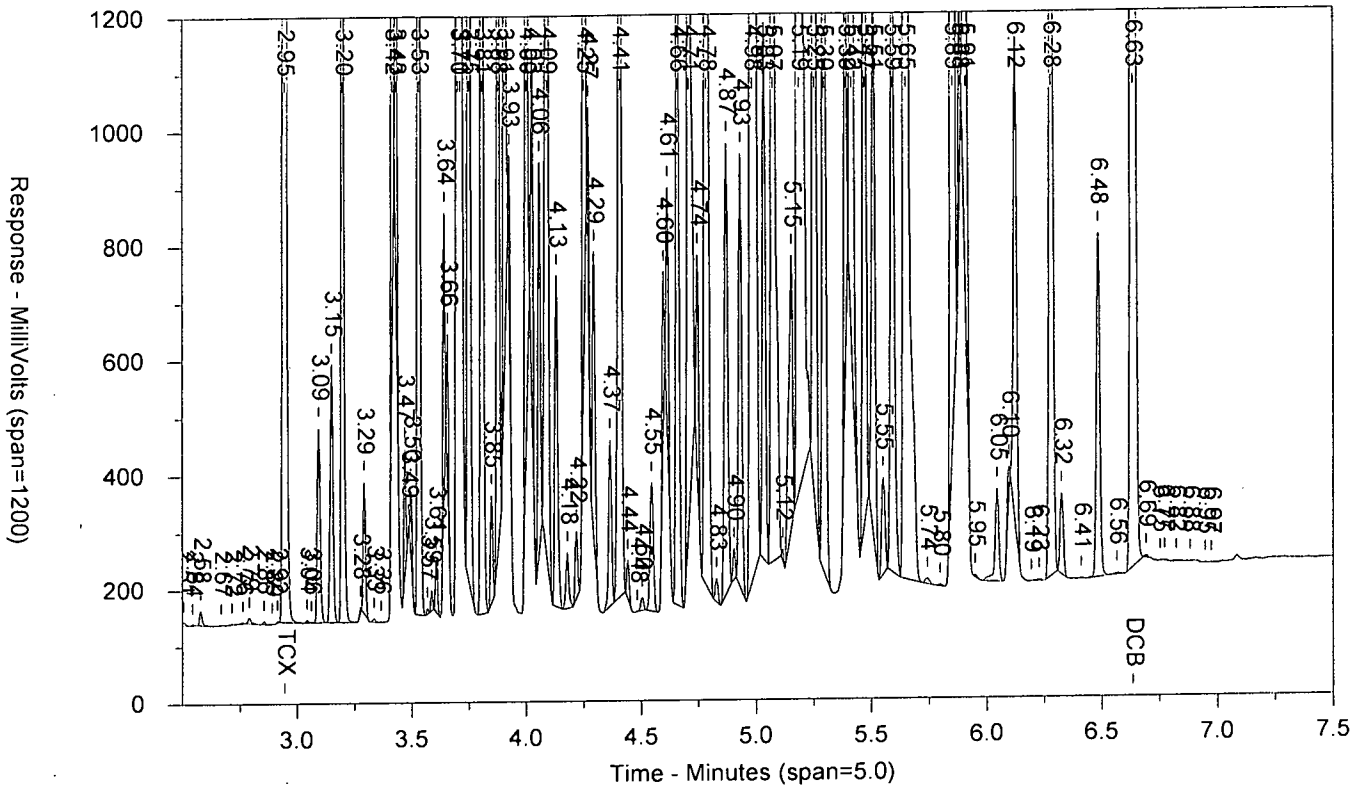
Sample Number: AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:34:13 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		18626	16057
2.121		1145	1491
2.162		3807	7184
2.212		2718	3646
2.246		1919	2366
2.276		1176	1000
2.305		28561	20550
2.365		1972	2108
2.417		2757	3208
2.471		1669	1588
2.502		2610	1919
2.522		3524	1747
2.554		14284	9938
2.578		5523	2960
2.621	TCX	15396810	9573545
2.665		203718	161295
2.793		533134	364273
2.84		103447	48698
2.854		479837	276104
2.907		3022627	1889085
2.957		37311	22317
3.019		363139	240589
3.115		4070761	3898950
3.167		435752	275650
3.188		202437	117754
3.214		302517	172551
3.238		4040465	2699658
3.275		146722	91719
3.303		54492	26856
3.322		1151667	1174276
3.363		6137	2705
3.388		2221835	1103352
3.398		5480124	2366541
3.431		4668416	3496061
3.507		5051665	3131070
3.543		3246891	1996564
3.566		3607158	2002980
3.584		1058228	531545
3.67		3859676	2580500
3.693		1509289	811725
3.714		1402471	827546
3.743		968384	494770
3.761		3775553	2235879
3.802		1177038	862584
3.85		169170	155462
3.873		892298	526605
3.894		5139949	3293311
3.92		950168	572405
3.94		127658	61301
3.959		552871	345060
3.994		4174397	2808845
4.028		175789	104235
4.044		305550	194715
4.105		37399	32660

RT B	Compound B	Height B	Area B
4.14		317079	318269
4.172		10073	4484
4.196		1127116	798609
4.24		978776	588918
4.258		1141632	541438
4.27		2723112	1561151
4.297		1693807	1683840
4.349		10528420	7577528
4.396		113585	106195
4.419		1011862	671438
4.443		2143199	1535529
4.486		11766620	8986172
4.588		10343470	9567719
4.642		1151816	967994
4.68		2758774	2253817
4.716		14441890	11551790
4.749		5968262	4185670
4.787		4081057	3113773
4.857		15071	16767
4.887		1424146	1434181
4.937		8170101	6330094
4.961		1082559	695776
5.012		4165702	3664030
5.048		2076252	1633686
5.077		1518459	1209245
5.109		766419	423156
5.131		21625850	17068190
5.172		385640	289414
5.204		678891	565015
5.244		7036	4469
5.282		5620	3383
5.322		188634	117406
5.346		3795953	3021752
5.39		13899230	14196930
5.488		3673	2219
5.509		6907	4737
5.546		318539	286466
5.591		330164	245236
5.614		266935	196982
5.663		2081444	1779949
5.769		5046484	4172086
5.801		261921	198390
5.969		1332472	1171779
6.024		2966	2038
6.065		2488	1132
6.129	DCB	18473880	16254340
6.266		3813	2852
6.308		18432	25639
6.584		16591	16889
6.659		2518	3278
6.757		4229	4254
6.869		1967	2988
6.909		2052	2685
6.947		1402	1204
6.986		2815	2938

AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.011.RAW



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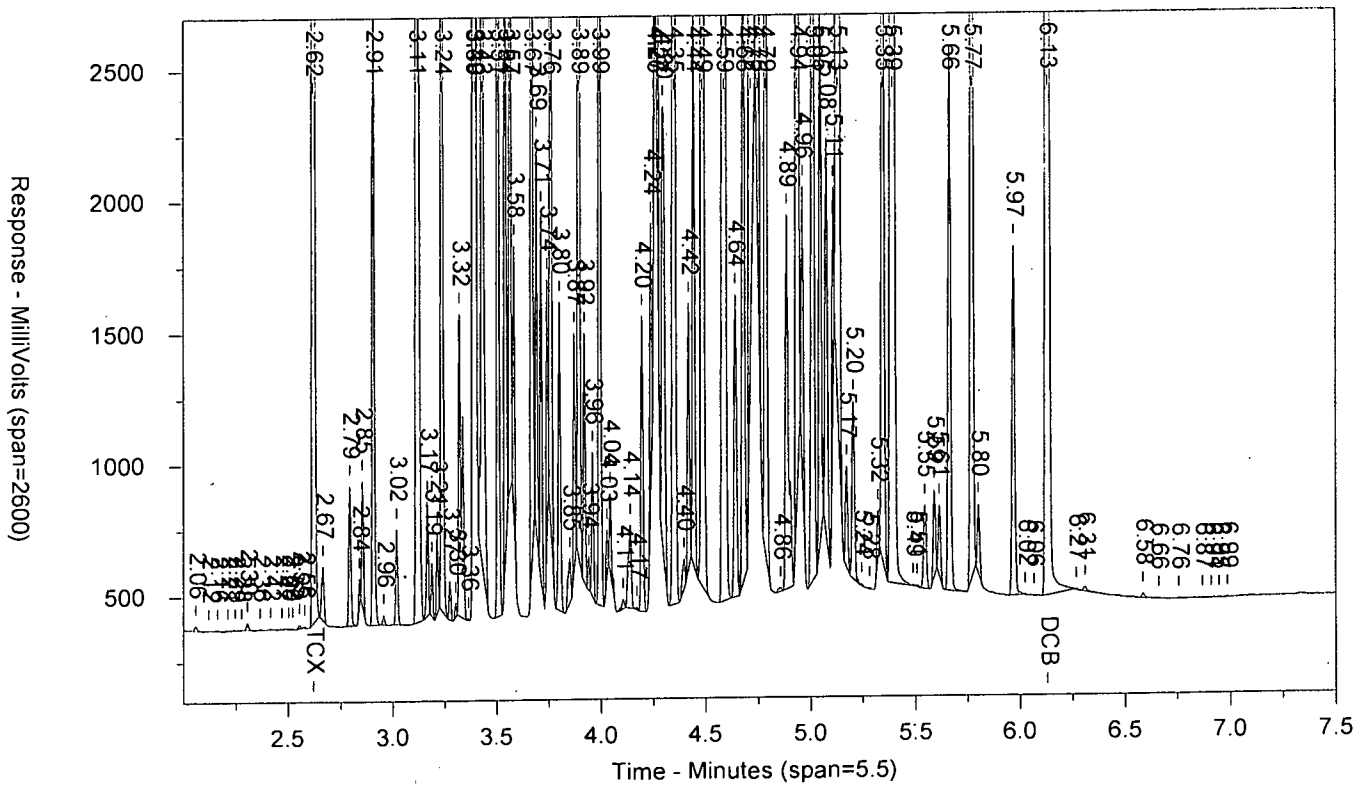

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:34:13 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.946	11246010	82.373	TCX	2.621	15396810	81.181	TCX
6.634	7409686	75.617	DCB	6.129	18473880	81.13	DCB

Files:
Area File: 25pcbs17116001.011.RAW
Area File: 25pcbs17116001B.011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:42:44 PM
File Reported On: 4/26/2017 at 3:42:54 PM

AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082

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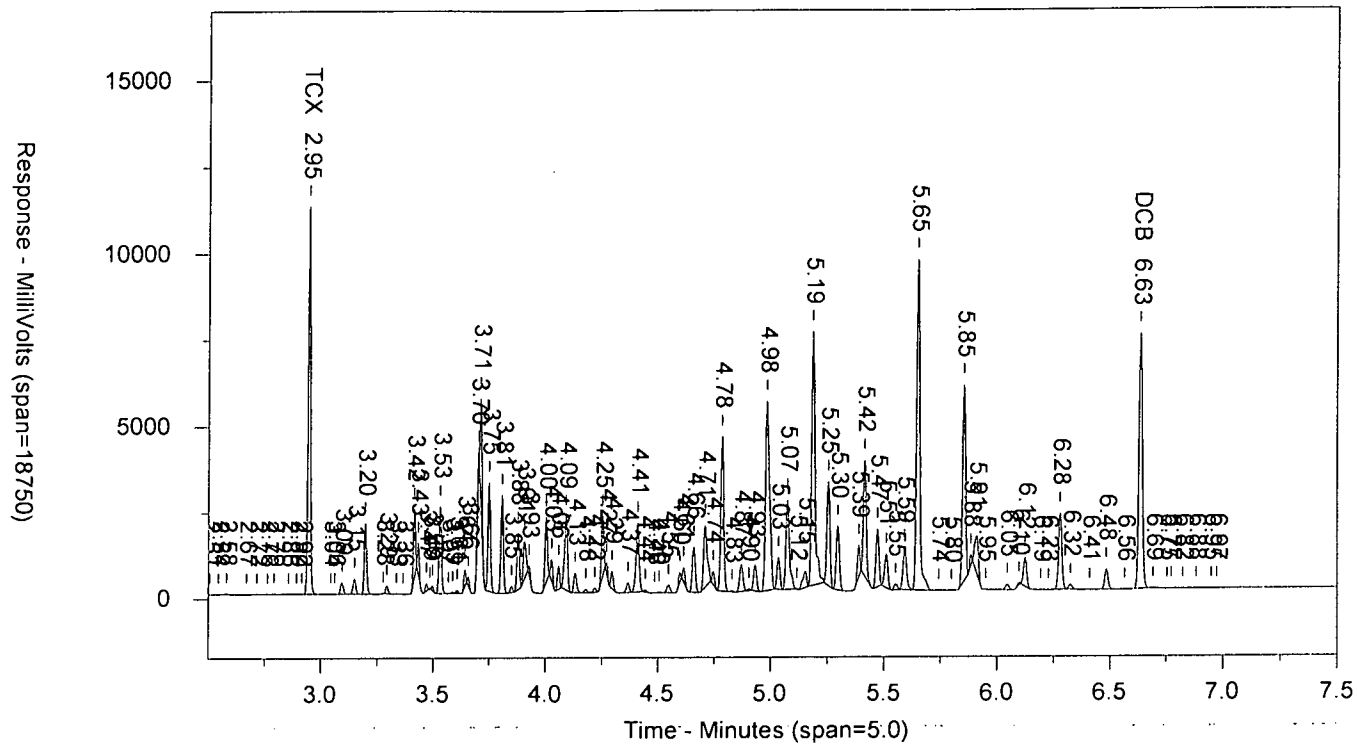

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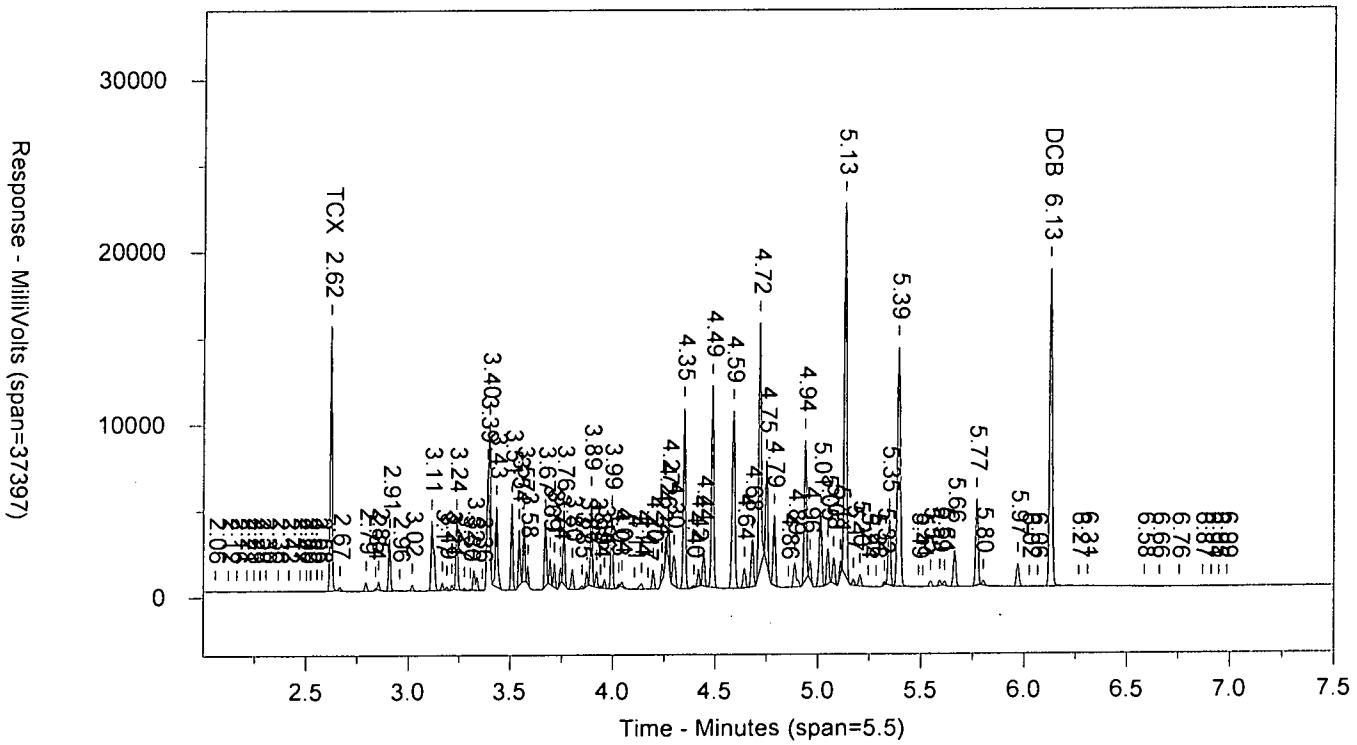

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:45:34 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		10969	12565
2.094		7668	19541
2.179		2262	4045
2.24		2991	3415
2.304		610	555
2.339		36398	26210
2.377		1020	2056
2.448		475	284
2.505		6275	6733
2.544		2051	1686
2.579		326	157
2.602		1411	1012
2.669		704	666
2.72		632	508
2.761		3275	5110
2.791		14839	13722
2.854		906	424
2.888		892	875
2.916		4062	3061
2.945	TCX	567301	406921
3.007		569	365
3.042		796	880
3.094		5627	5188
3.144		9664	9035
3.198		25290	18674
3.261		365	179
3.291		8935	10895
3.38		422	216
3.417		67659	42314
3.433		18650	9996
3.471		4827	2944
3.488		1460	1943
3.532		68400	53413
3.59		1933	1054
3.61		2601	1602
3.643		14116	10113
3.659		3630	1733
3.702		57722	30695
3.713		57190	29100
3.751		89151	68763
3.808		99929	74377
3.85		12667	9021
3.879		157996	118235
3.907		94288	76686
3.928		26388	14073
3.968		3493	3299
4.003		175202	133051
4.028		48497	31574
4.059		63316	44727
4.092		151810	140927
4.133		51064	41082
4.181		1591	874
4.197		11653	8183
4.22		11409	7332

RT A	Compound A	Height A	Area A
4.253		107576	75010
4.272		143034	92866
4.296		174854	139984
4.367		17222	19051
4.401		105077	89432
4.419		29562	16491
4.445		44399	32114
4.484		2366	1483
4.508		9007	7078
4.548		49513	45079
4.598		71389	61048
4.63		38581	29461
4.66		129029	115963
4.711		2190	1528
4.743		45348	42544
4.787		11376	13350
4.832		11380	10506
4.872		83396	79561
4.909		1107	780
4.936		1257	1109
4.952		2732	1890
4.985		11382	15445
5.026		5188	5450
5.068		84263	85060
5.117		2030	1685
5.147		3368	4089
5.188		21074	18966
5.21		1061	394
5.229		1524	775
5.256		3328	3033
5.298		1991	2802
5.37		2083	1921
5.393		5787	4268
5.416		3231	2450
5.447		810	427
5.473		2085	2127
5.55		2133	2348
5.59		4463	5548
5.65		6977	6414
5.676		1576	977
5.703		3400	3875
5.753		1716	2216
5.856		6513	7573
5.915		2322	4093
5.954		460	289
5.975		274	137
6.013		3352	5646
6.047		4580	4446
6.113		5554	9367
6.239		11086	19225
6.3		9536	28470
6.354		532	287
6.369		935	555
6.415		1399	1971
6.487		5730	6365
6.52		396	320
6.541		638	358
6.572		2183	2490
6.638	DCB	455924	499267
6.692		527	197
6.749		624	1526
6.797		1188	3346
6.836		2648	4222
6.89		547	476
6.914		2818	4281
6.967		1099	1035

RT A	Compound A	Height A	Area A
6.987		609	253

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:45:34 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.006		1604	1151
2.16		3391	6212
2.213		2655	3989
2.238		1813	1858
2.417		2675	4781
2.479		893	906
2.499		3423	3591
2.523		3069	1422
2.554		25923	22557
2.597		1550	671
2.621	TCX	710724	447130
2.71		1738	2530
2.793		7546	6059
2.839		11391	6078
2.855		6013	4191
2.907		37019	26861
2.956		2169	2403
2.997		3707	2121
3.019		7801	4451
3.084		917	1034
3.115		129327	115246
3.167		9575	6045
3.189		3850	2579
3.216		2996	1850
3.238		104230	71803
3.276		5545	3896
3.303		3771	2023
3.322		23885	12148
3.338		15355	7984
3.398		227642	265813
3.419		20772	9045
3.432		103474	66313
3.508		154415	103566
3.543		264361	169514
3.567		236556	136050
3.585		80680	41726
3.672		300428	201702
3.695		113577	65999
3.717		90866	52450
3.745		55221	27366
3.762		236585	143085
3.803		97555	69225
3.849		22424	22250
3.874		183376	118120
3.897		454587	294177
3.921		314711	200368
3.941		26557	12828
3.961		54490	35836
3.995		140156	97109
4.03		239661	184892
4.059		120260	69496
4.106		21313	22113
4.141		90692	68335
4.198		144837	103007

RT B	Compound B	Height B	Area B
4.231		95309	67948
4.259		228542	171555
4.297		4977	4605
4.352		98916	94709
4.388		24598	18573
4.42		149957	115378
4.445		4700	2699
4.487		18056	11341
4.513		13526	10397
4.532		4622	2922
4.587		25428	25430
4.639		148015	112186
4.677		15401	17921
4.718		51338	85766
4.8		2584	3885
4.866		6066	5916
4.941		7248	5333
4.963		14835	11902
5.013		4379	4839
5.05		3715	8265
5.111		7399	5492
5.132		14580	12555
5.204		7044	5913
5.242		1981	1986
5.317		1484	1316
5.346		10306	30548
5.414		12457	21155
5.462		4213	3734
5.502		2905	2386
5.547		12545	11018
5.588		2882	2479
5.615		20267	36293
5.682		9604	26519
5.717		3244	3822
5.769		6581	8161
5.837		1754	2634
5.879		2049	4597
5.972		15341	16426
6.093		983	3271
6.131	DCB	1014013	957039
6.307		3397	13241
6.401		1371	1859
6.555		1209	3419
6.584		1692	2073
6.684		991	1107
6.87		1232	20600
6.987		967	1003

AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082

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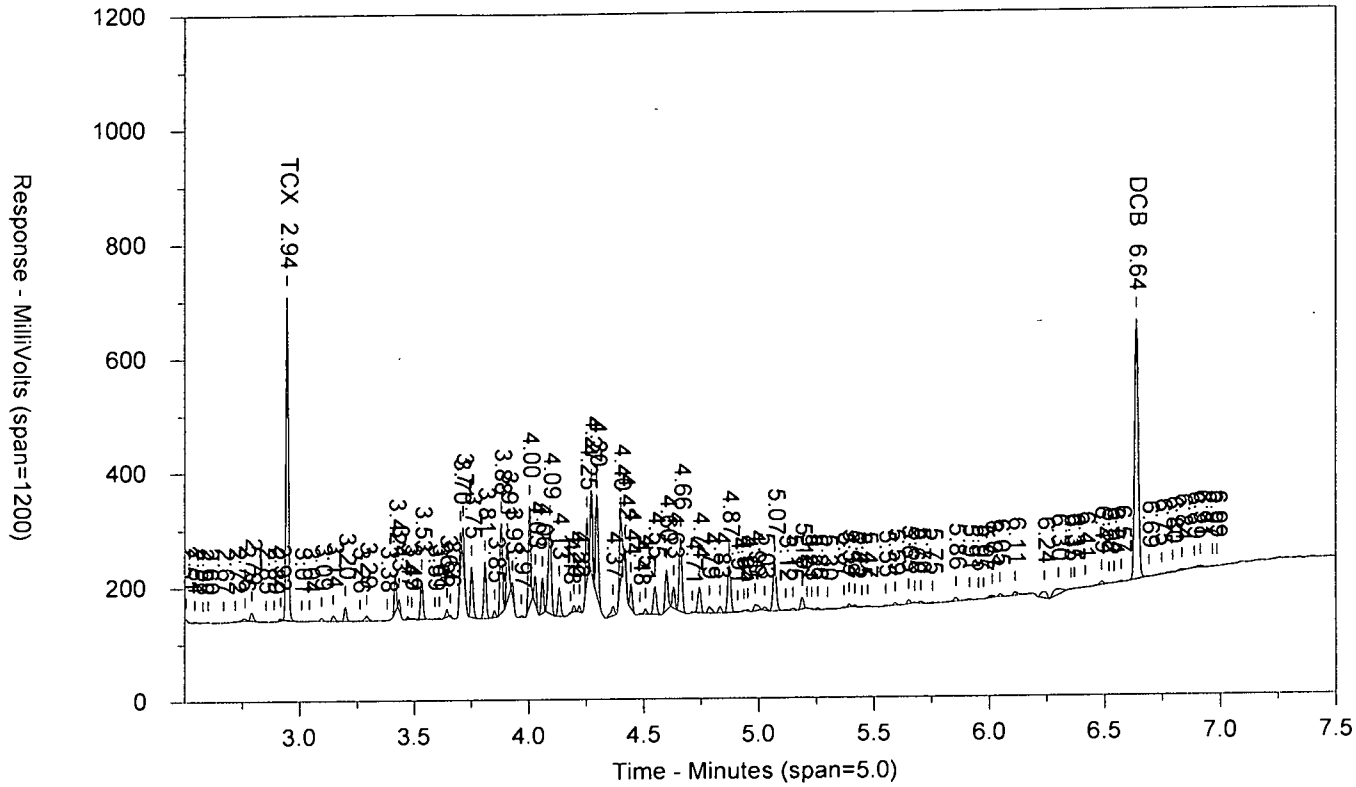

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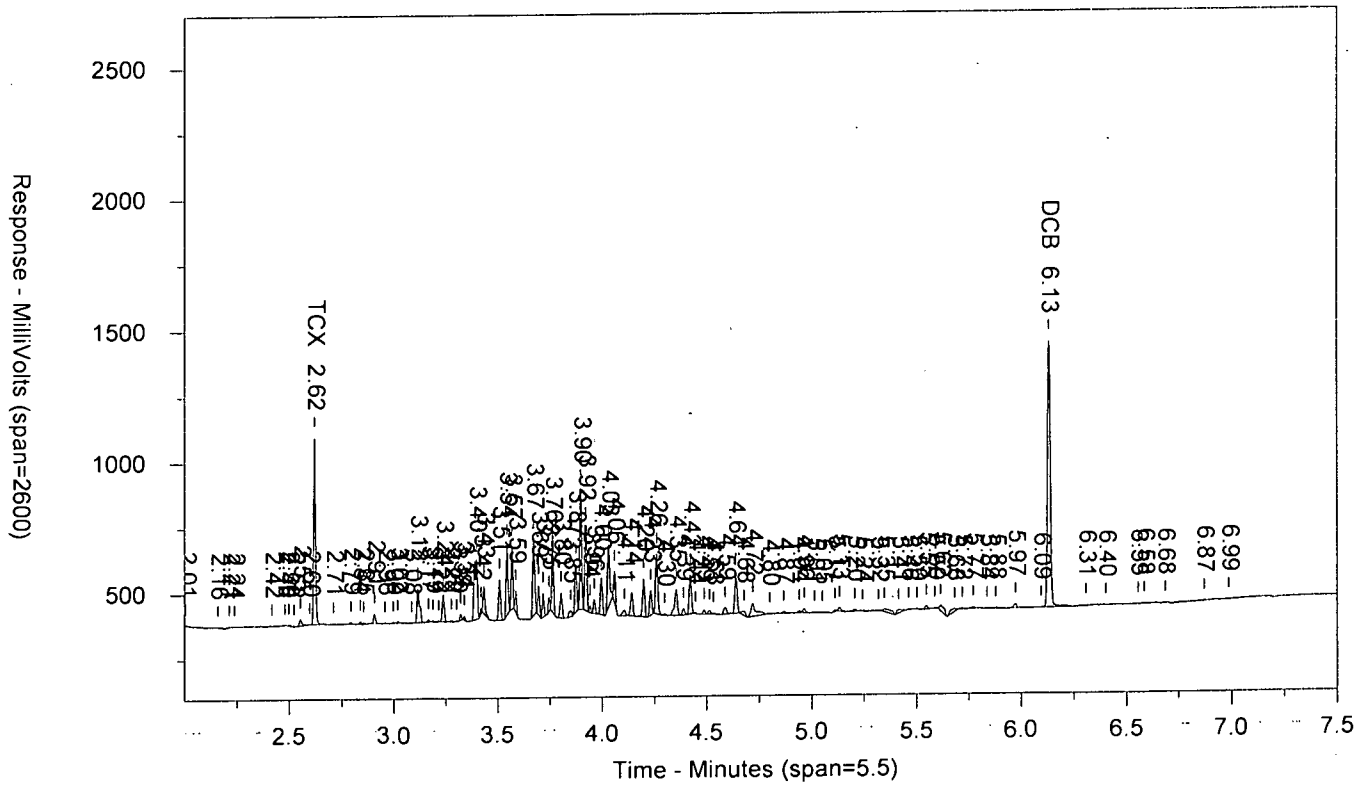

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:45:34 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	567301	4.059	TCX	2.621	710724	3.732	TCX
6.638	455924	4.574	DCB	6.131	1014013	4.302	DCB

Files:
Area File: 25pcbs17116001.012.RAW
Area File: 25pcbs17116001B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:54:04 PM
File Reported On: 4/26/2017 at 3:54:42 PM

AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082

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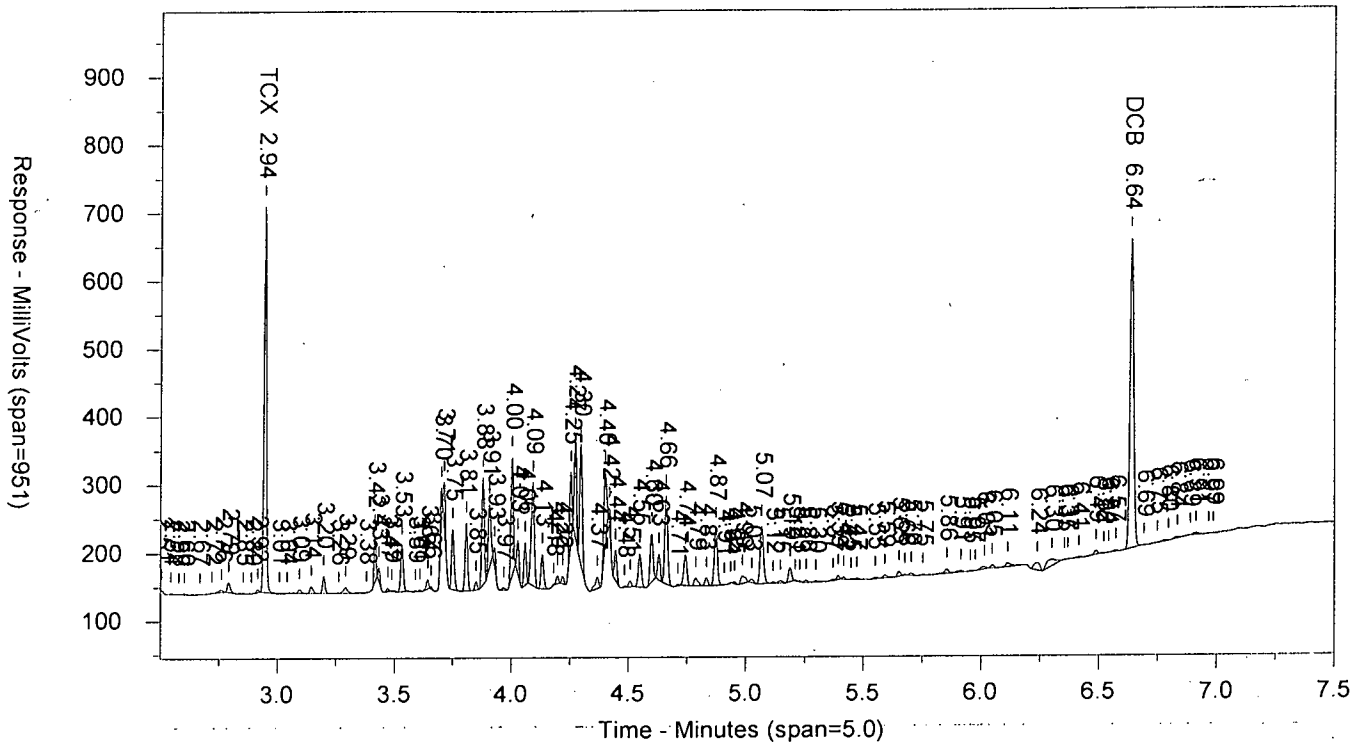

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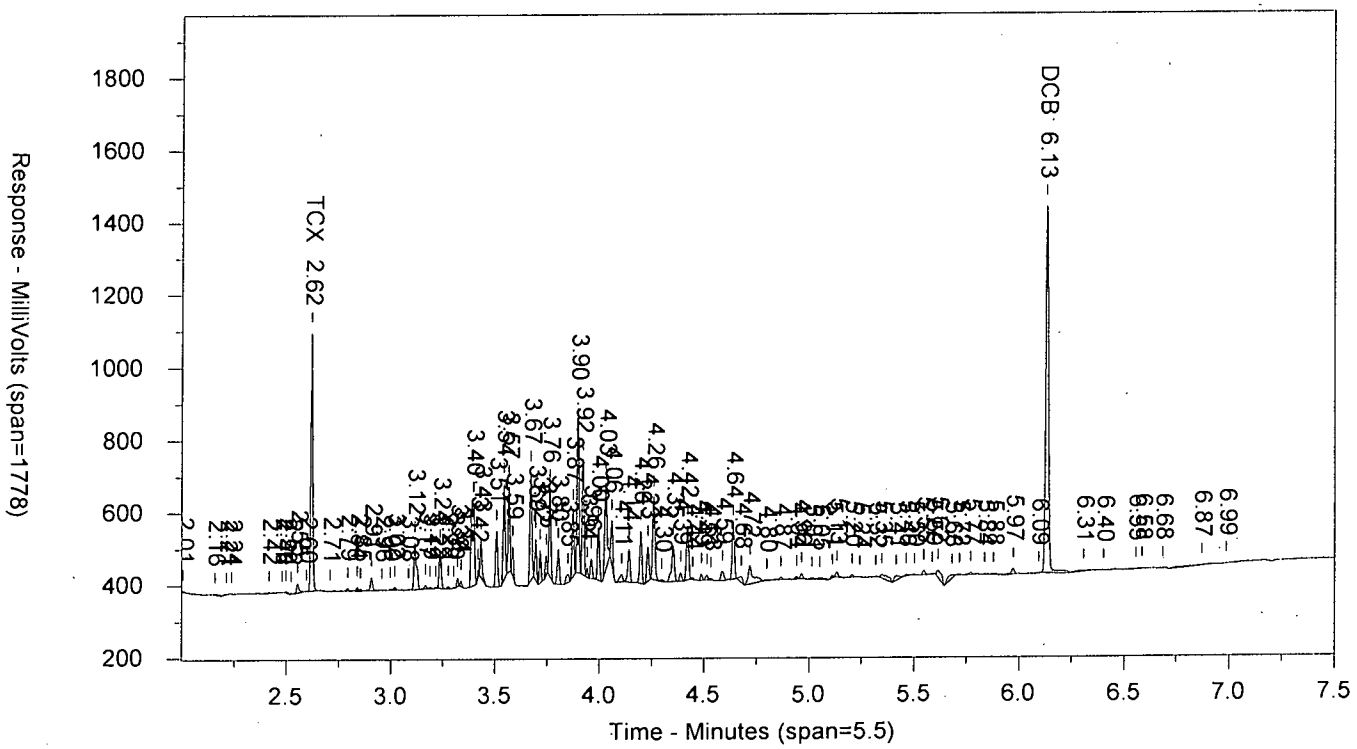

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:57:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.019		836	920
2.047		7688	8027
2.097		7035	19950
2.181		2999	4140
2.213		537	276
2.241		13730	11464
2.307		605	448
2.342		47284	37063
2.377		683	1240
2.507		4017	4677
2.546		2501	2128
2.581		839	528
2.604		1942	1287
2.673		802	828
2.703		427	444
2.718		387	184
2.761		3625	4432
2.793		22092	20842
2.836		310	160
2.89		704	490
2.917		2305	1538
2.947	TCX	2981250	2049103
3.045		1605	1590
3.096		10827	10028
3.146		39893	32663
3.2		51463	36875
3.257		417	189
3.279		4130	2216
3.295		8867	5438
3.383		568	398
3.42		131130	85520
3.437		40429	20788
3.475		10019	6103
3.492		2909	3548
3.536		137126	106698
3.594		10193	6197
3.613		4587	2711
3.648		25758	16065
3.663		7045	3358
3.707		112111	60269
3.718		116768	59342
3.755		168697	138087
3.813		191464	148600
3.854		25760	18816
3.883		306897	227099
3.91		180674	148118
3.933		55281	30389
3.973		1956	1427
4.008		349033	255899
4.032		98607	63797
4.063		124211	89466
4.097		296263	278081
4.137		103267	85453
4.185		4177	2785

RT A	Compound A	Height A	Area A
4.2		11357	6494
4.224		28848	21444
4.258		216008	151538
4.277		277771	178853
4.3		330260	257492
4.372		30636	30272
4.406		201560	174284
4.423		46667	33315
4.448		83147	61416
4.488		4796	3179
4.511		19341	14815
4.552		102336	92863
4.603		141442	125249
4.634		83902	62534
4.664		244483	218121
4.714		4098	2894
4.746		90248	88370
4.791		22665	27539
4.836		24527	21874
4.876		168990	158344
4.911		4239	3221
4.954		14453	19352
4.989		23277	34749
5.032		3796	4005
5.072		161689	163494
5.121		4192	3038
5.153		10623	12043
5.192		43444	38740
5.215		1914	943
5.23		2376	1590
5.259		6624	5828
5.301		3591	3699
5.336		644	511
5.395		13967	13789
5.419		6090	4544
5.446		786	527
5.476		3202	2749
5.512		1292	1528
5.556		7406	7257
5.593		7968	7156
5.654		13472	10562
5.678		11674	8764
5.704		1282	1317
5.765		723	869
5.858		12772	13261
5.915		5248	8413
5.973		559	960
6.016		2166	4115
6.051		21141	21049
6.114		25371	32586
6.183		2093	4371
6.254		2251	6345
6.287		5173	4741
6.342		475	179
6.377		521	1140
6.417		2179	3163
6.49		23909	26349
6.577		897	1081
6.64	DCB	1985707	2186373
6.715		631	688
6.742		1020	526
6.788		2695	4440
6.818		779	280
6.84		1651	2429
6.92		3289	8628
6.972		686	390

RT A	Compound A	Height A	Area A
6.982		643	359

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:57:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.003		987	535
2.056		4667	4487
2.162		3272	4057
2.21		2490	2355
2.243		1431	1597
2.414		4391	8707
2.501		6184	9897
2.524		2661	1181
2.554		42619	37940
2.621	TCX	4028564	2449913
2.794		16036	11745
2.84		54104	37669
2.907		73584	47298
2.957		10041	6642
2.998		1804	1079
3.019		15778	9999
3.116		242256	226097
3.168		19495	12013
3.19		7445	4763
3.215		7760	4195
3.239		199452	141339
3.278		10200	6551
3.305		19347	10045
3.324		46368	24292
3.34		26848	13884
3.4		462331	531176
3.421		39948	17391
3.434		195450	128164
3.51		307278	203139
3.546		535504	334753
3.569		483833	272462
3.588		156150	82369
3.674		649016	421516
3.698		206240	116128
3.719		209934	129907
3.749		106439	55568
3.766		478068	293052
3.807		191909	137188
3.855		36915	32229
3.876		368257	236556
3.899		935955	603345
3.924		655064	404071
3.944		54313	26076
3.965		81257	50353
3.999		276709	195703
4.034		486086	371649
4.062		243974	140898
4.109		41048	35367
4.144		174810	135857
4.202		305616	224446
4.235		178473	126714
4.262		463314	340393
4.301		10472	9208
4.356		192751	186719

RT B	Compound B	Height B	Area B
4.391		50261	35719
4.423		301331	242922
4.466		5067	2732
4.49		39717	25612
4.516		26137	19547
4.591		52265	52925
4.643		290791	235007
4.688		18146	23046
4.722		85781	73924
4.754		9591	11146
4.793		5914	4777
4.836		1181	671
4.87		4388	3350
4.892		1774	763
4.909		3248	2223
4.943		14558	10981
4.967		29623	22627
5.016		8289	8468
5.051		3452	2582
5.086		12945	9451
5.115		11666	7856
5.136		28536	24457
5.209		33110	32293
5.297		1487	1015
5.349		13555	12359
5.392		8621	6852
5.465		5678	5498
5.502		2626	3021
5.55		47680	42567
5.596		1602	1421
5.618		48962	44161
5.669		12878	13526
5.716		1913	2034
5.774		13928	16275
5.883		2293	6486
5.974		52532	47118
6.004		1667	1136
6.134	DCB	4745610	4398816
6.286		2846	8536
6.453		2009	2128
6.521		1576	743
6.589		5081	8077
6.749		1274	1486
6.853		1068	1413
6.934		1369	3852

AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082

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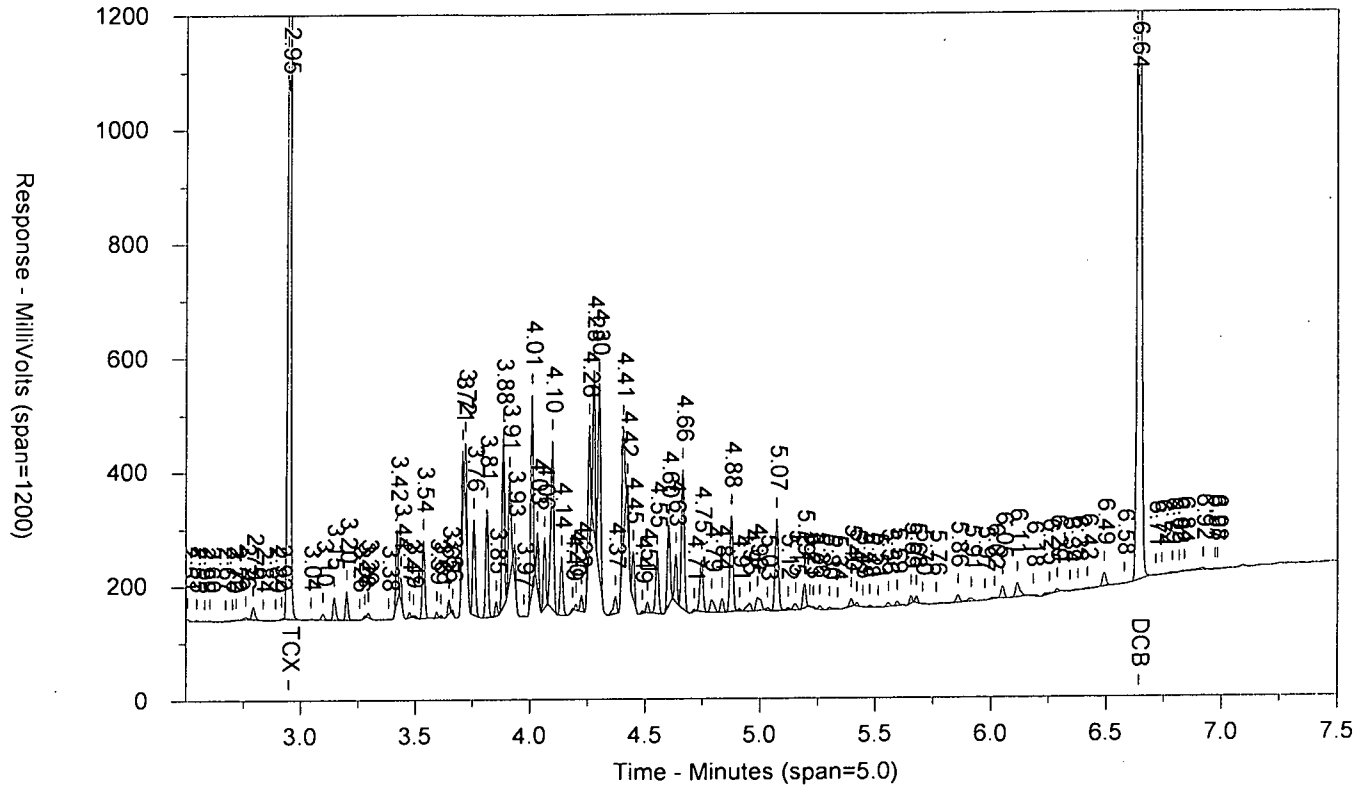

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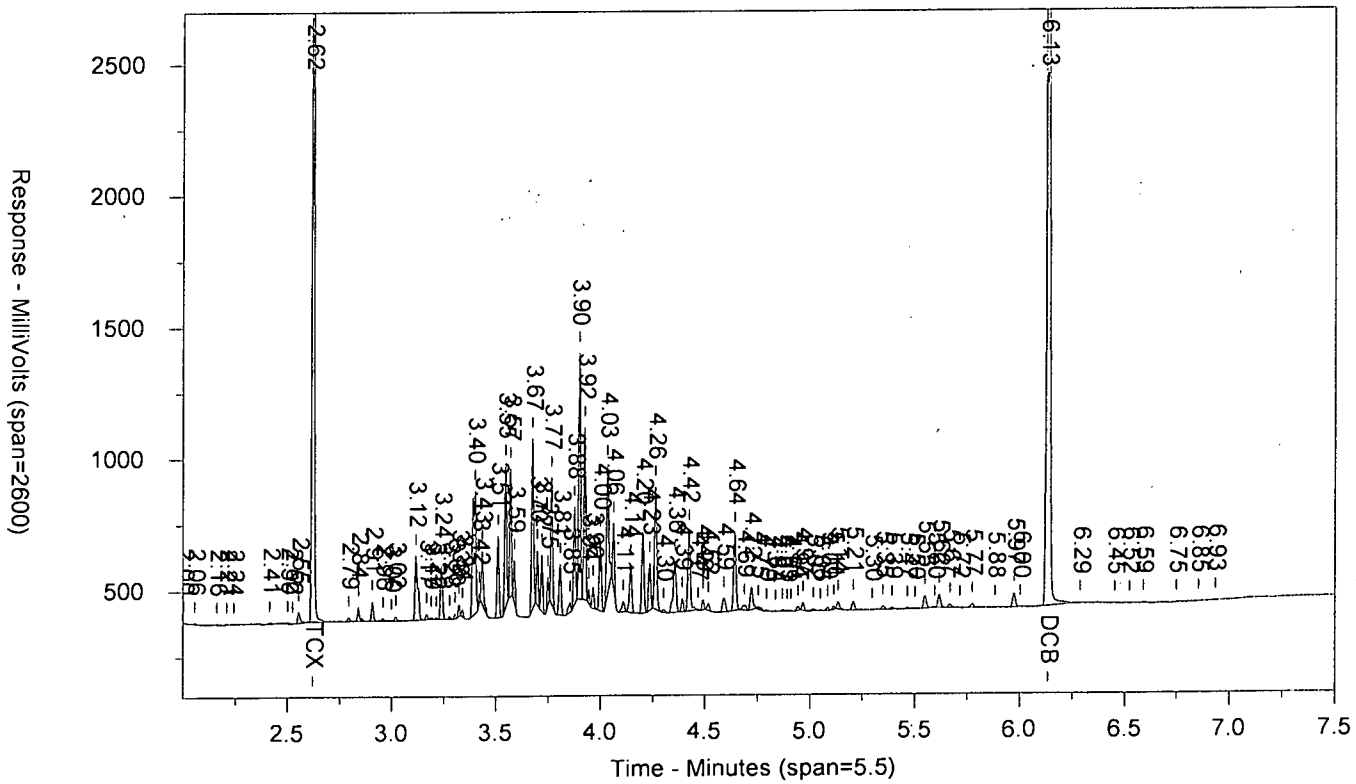

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:57:16 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	2981250	21.329	TCX	2.621	4028564	21.155	TCX
6.64	1985707	19.92	DCB	6.134	4745610	20.131	DCB

Files:
Area File: 25pcbs17116001.013.RAW
Area File: 25pcbs17116001B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:05:49 PM
File Reported On: 4/26/2017 at 4:05:58 PM

AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082

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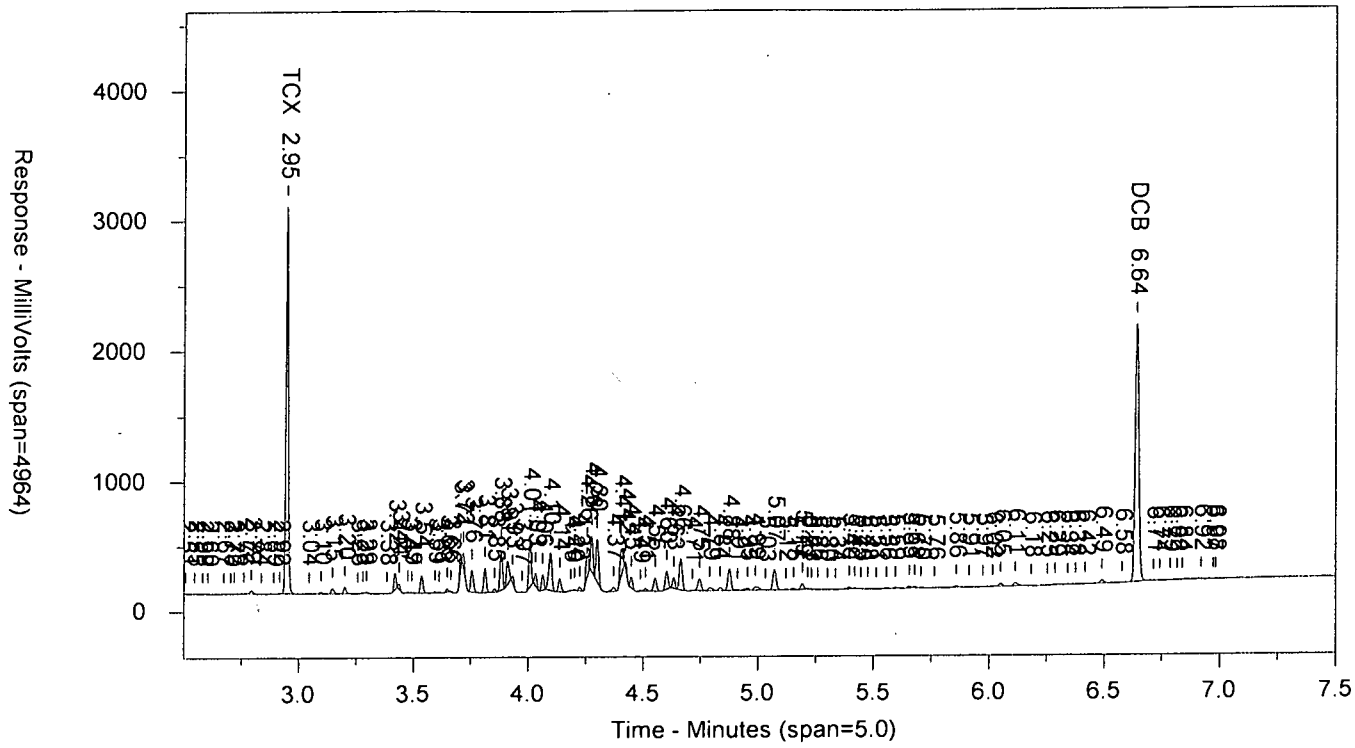

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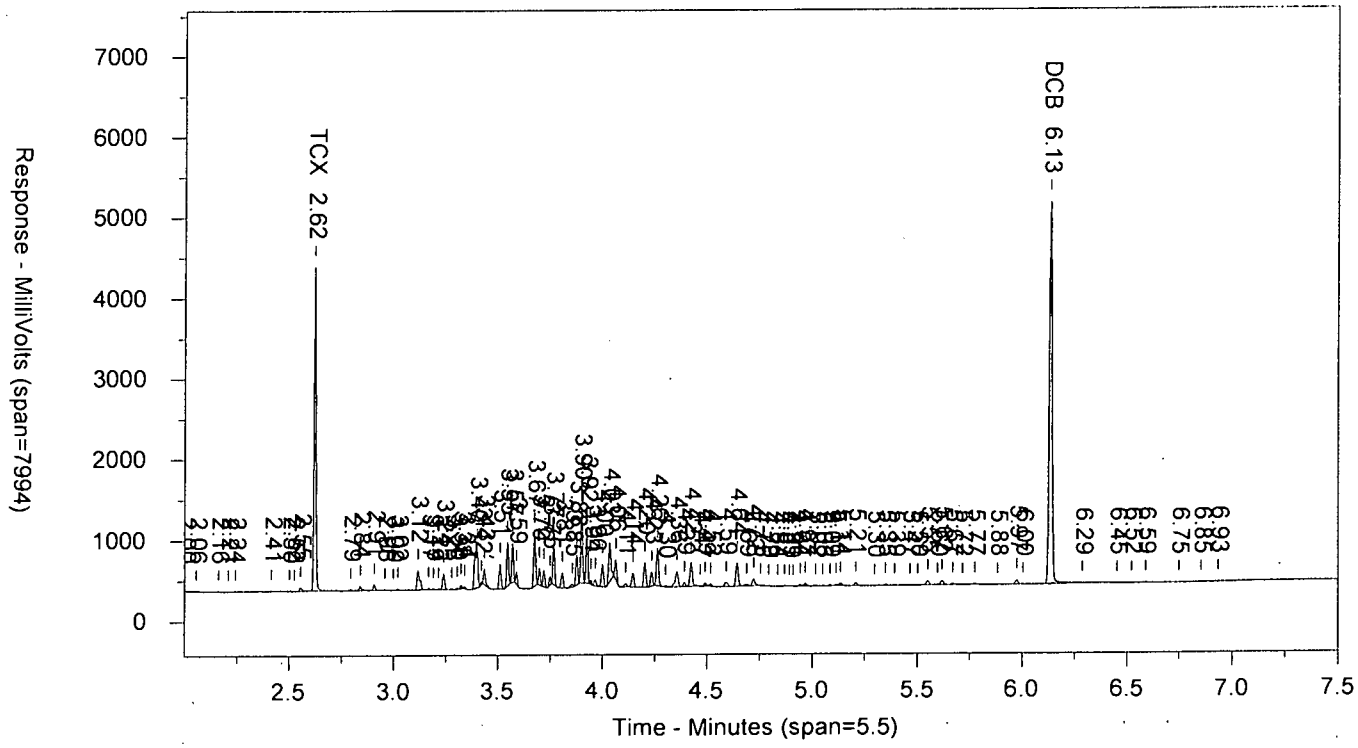

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:08:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.044		7745	9296
2.092		2020	3179
2.177		3159	4406
2.239		25130	20762
2.288		489	477
2.34		42445	39838
2.441		669	651
2.474		509	228
2.505		4165	4269
2.544		2755	2442
2.581		1799	1198
2.602		726	338
2.72		986	849
2.759		2916	3464
2.791		12098	11027
2.889		864	592
2.914		1939	1351
2.945	TCX	5823421	3963737
3.045		1993	1598
3.067		938	639
3.095		19374	17568
3.144		77252	60423
3.198		90103	66544
3.277		8566	4740
3.292		15293	9328
3.417		229977	146421
3.434		68348	36006
3.472		17866	10612
3.487		2447	873
3.498		3580	1641
3.533		233086	188227
3.591		18082	11204
3.61		8936	5410
3.644		46505	27859
3.659		12043	5728
3.702		209079	118068
3.714		208246	99626
3.752		296773	240922
3.809		326974	259673
3.85		49567	34525
3.879		507379	388606
3.906		297927	247976
3.929		85235	49491
3.967		1215	774
4.003		594382	442228
4.028		155708	103275
4.059		206042	154054
4.093		500965	485935
4.133		177650	149564
4.181		11775	7497
4.196		6468	3140
4.22		57395	41758
4.253		387378	266577
4.273		487537	315389

RT A	Compound A	Height A	Area A
4.297		584507	447735
4.368		54229	53351
4.401		569577	852434
4.444		139437	103904
4.485		8310	5535
4.507		33497	25360
4.549		171423	160163
4.599		244180	212721
4.63		137144	105169
4.66		418167	370010
4.709		7463	5134
4.743		157194	153772
4.786		41790	48210
4.832		42491	38445
4.872		279303	269677
4.907		10307	7771
4.952		25890	34176
4.985		41189	64778
5.033		3915	3813
5.068		285345	281584
5.118		7144	4938
5.148		22497	24405
5.188		75333	67464
5.21		3191	1528
5.227		4675	2802
5.255		11861	10708
5.298		6628	9175
5.392		24607	21842
5.416		10543	7816
5.473		5640	4661
5.508		3302	3853
5.551		15279	14967
5.59		13149	12002
5.615		2412	1490
5.65		22001	17569
5.675		24534	20008
5.736		776	549
5.754		1184	834
5.854		21617	21677
5.912		8650	12543
5.996		4165	5718
6.047		44027	41585
6.083		836	560
6.111		48816	60861
6.172		834	1052
6.249		1490	2798
6.283		10887	14472
6.371		955	1253
6.414		2317	3540
6.456		750	376
6.487		47337	48240
6.573		350	624
6.582		423	121
6.637	DCB	3650685	4018157
6.73		1397	949
6.771		2577	4198
6.827		876	449
6.868		423	157
6.894		902	236
6.948		693	517

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:08:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		12764	17921
2.151		831	9388
2.276		1883	11401
2.306		1223	2103
2.365		1696	1396
2.418		2649	2785
2.469		1129	1215
2.522		1830	726
2.554		18496	12404
2.597		1225	554
2.621	TCX	7867783	4752131
2.71		1691	1918
2.794		30303	21218
2.84		95373	69822
2.907		126543	81629
2.957		19534	11575
3.018		28027	17780
3.116		417884	386056
3.168		34136	20783
3.189		13651	8135
3.215		12316	6990
3.238		347445	239887
3.276		19587	11746
3.303		32801	17607
3.323		78866	42455
3.339		39672	19695
3.398		849199	932639
3.419		66566	28107
3.433		364830	224720
3.508		529141	349517
3.544		934041	576102
3.567		828211	470883
3.585		261101	138116
3.672		1130774	733080
3.695		354714	195078
3.716		367054	223624
3.745		176980	92973
3.763		859677	510592
3.803		327861	234751
3.852		64290	55532
3.874		657958	409031
3.896		1730835	1078349
3.921		1175633	726230
3.941		88146	42870
3.961		111307	66658
3.996		474133	337748
4.03		865833	653326
4.059		449377	252729
4.106		68741	55114
4.141		303113	229660
4.173		4366	2506
4.198		497653	383387
4.231		304307	211725
4.259		787379	585702

RT B	Compound B	Height B	Area B
4.296		16994	16538
4.352		326590	315100
4.388		84286	61310
4.42		513682	385244
4.443		14110	7130
4.461		13289	7446
4.488		64035	42725
4.513		44802	32734
4.587		90825	90157
4.638		515312	408589
4.689		37691	44957
4.718		137652	120622
4.75		14588	18395
4.789		10051	7063
4.847		1473	527
4.867		2717	1937
4.887		3117	1791
4.906		5558	3884
4.939		25239	18279
4.963		48851	37270
5.012		14443	18329
5.049		5625	4304
5.083		28113	23018
5.111		19855	12789
5.132		47160	39667
5.206		65386	63993
5.311		4864	6194
5.347		23586	22831
5.393		41009	39776
5.445		1937	938
5.461		5875	4493
5.547		89977	80315
5.615		98007	85310
5.664		26817	23124
5.771		23653	25018
5.921		2564	8209
5.97		95351	83957
6		3243	3557
6.065		1300	918
6.131	DCB	9104069	7892998
6.317		3992	14915
6.588		8754	7697
6.708		1102	456
6.763		1630	1268
6.851		1458	2270
6.904		1231	2001

AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082

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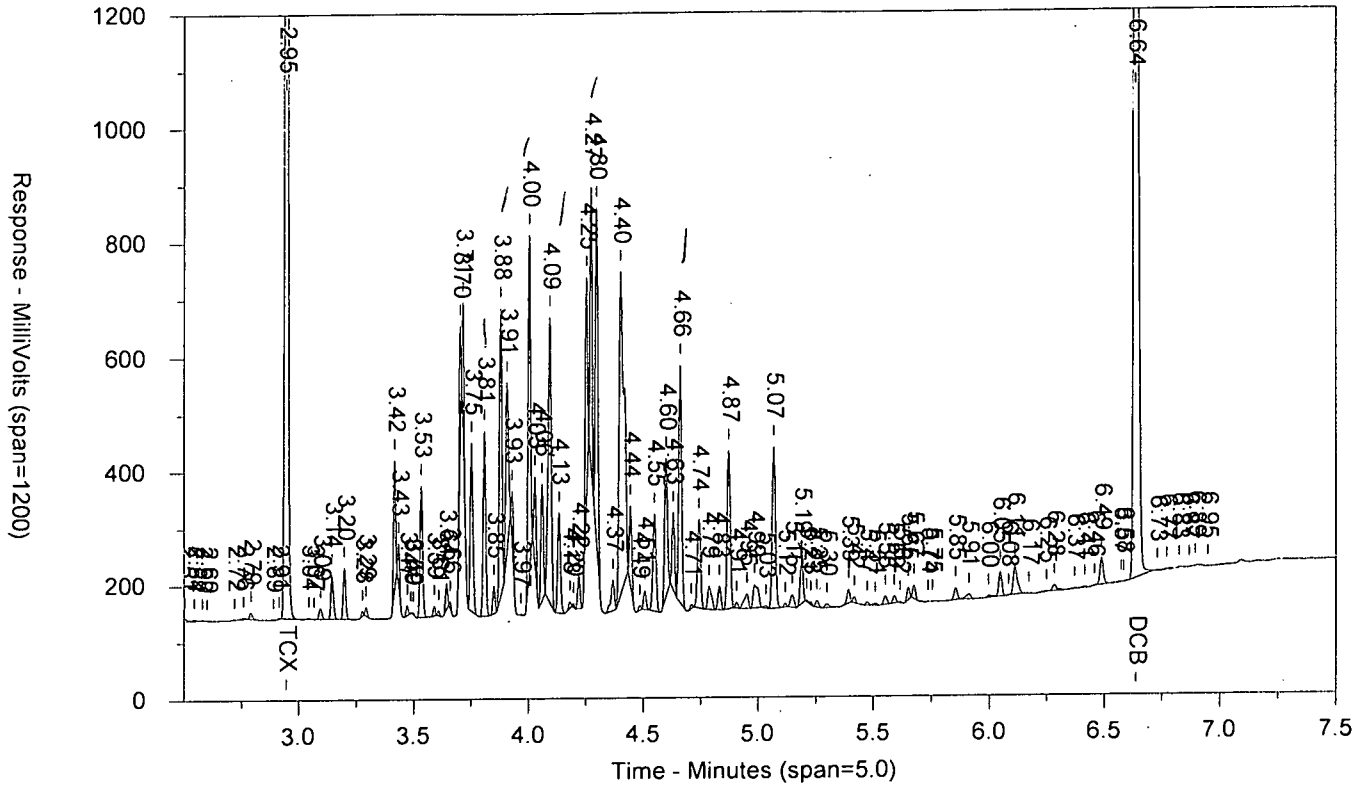

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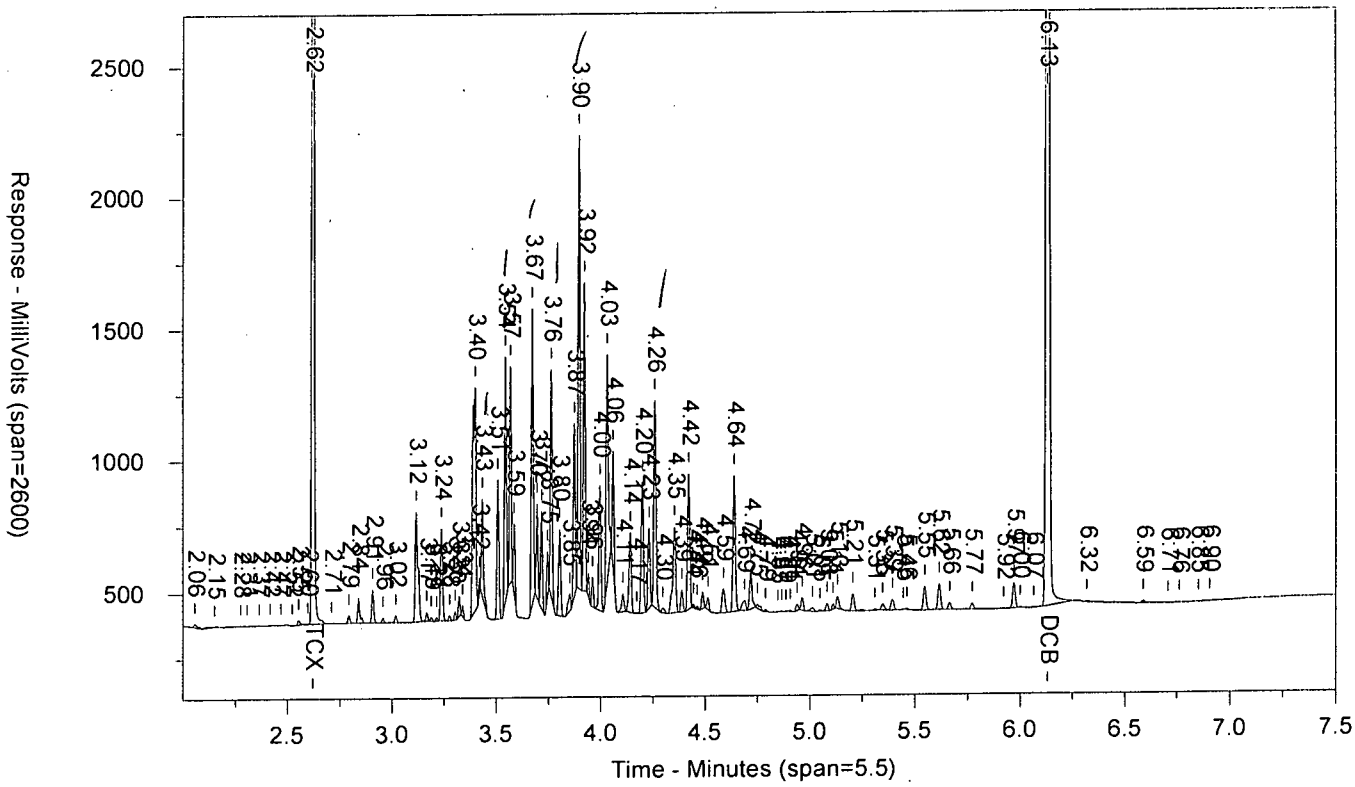

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:08:35 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5823421	41.663	TCX	2.621	7867783	41.316	TCX
6.637	3650685	36.623	DCB	6.131	9104069	38.621	DCB

Files:
Area File: 25pcbs17116001.014.RAW
Area File: 25pcbs17116001B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:17:07 PM
File Reported On: 4/26/2017 at 4:17:17 PM

AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082

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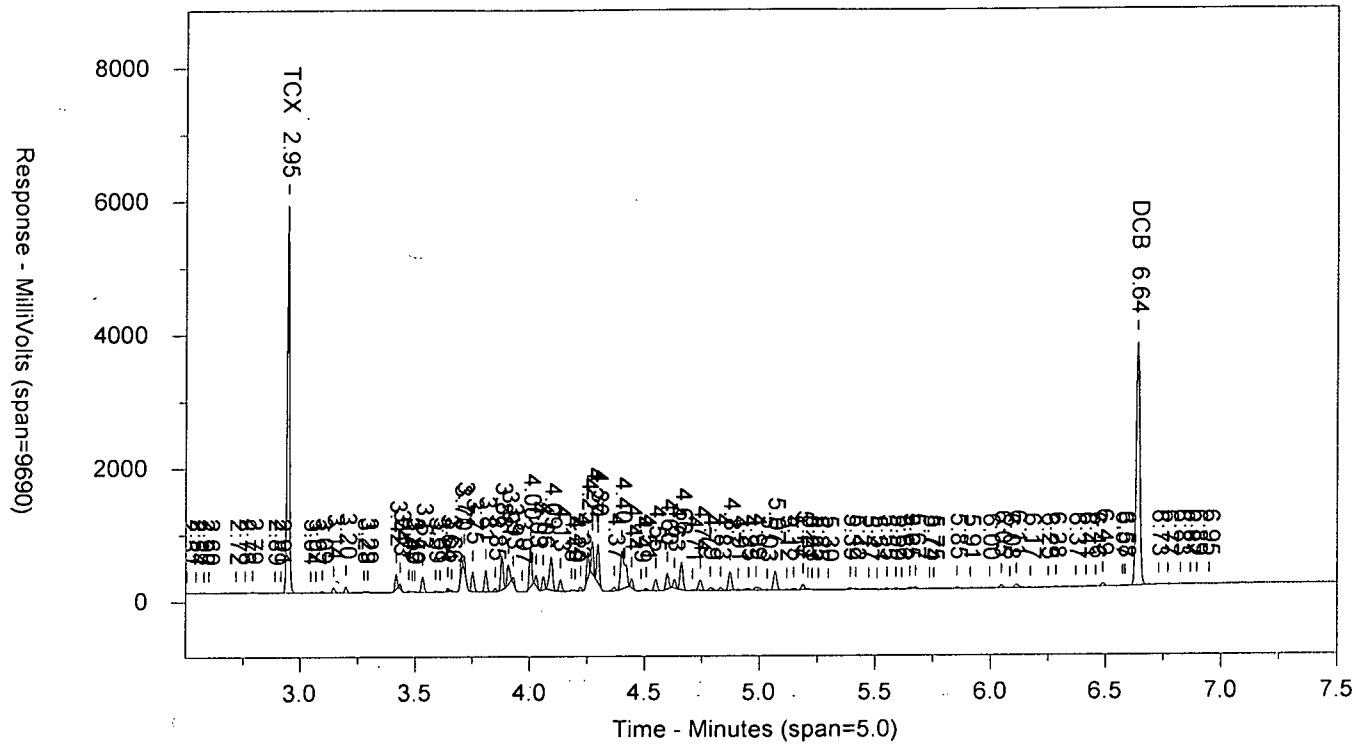

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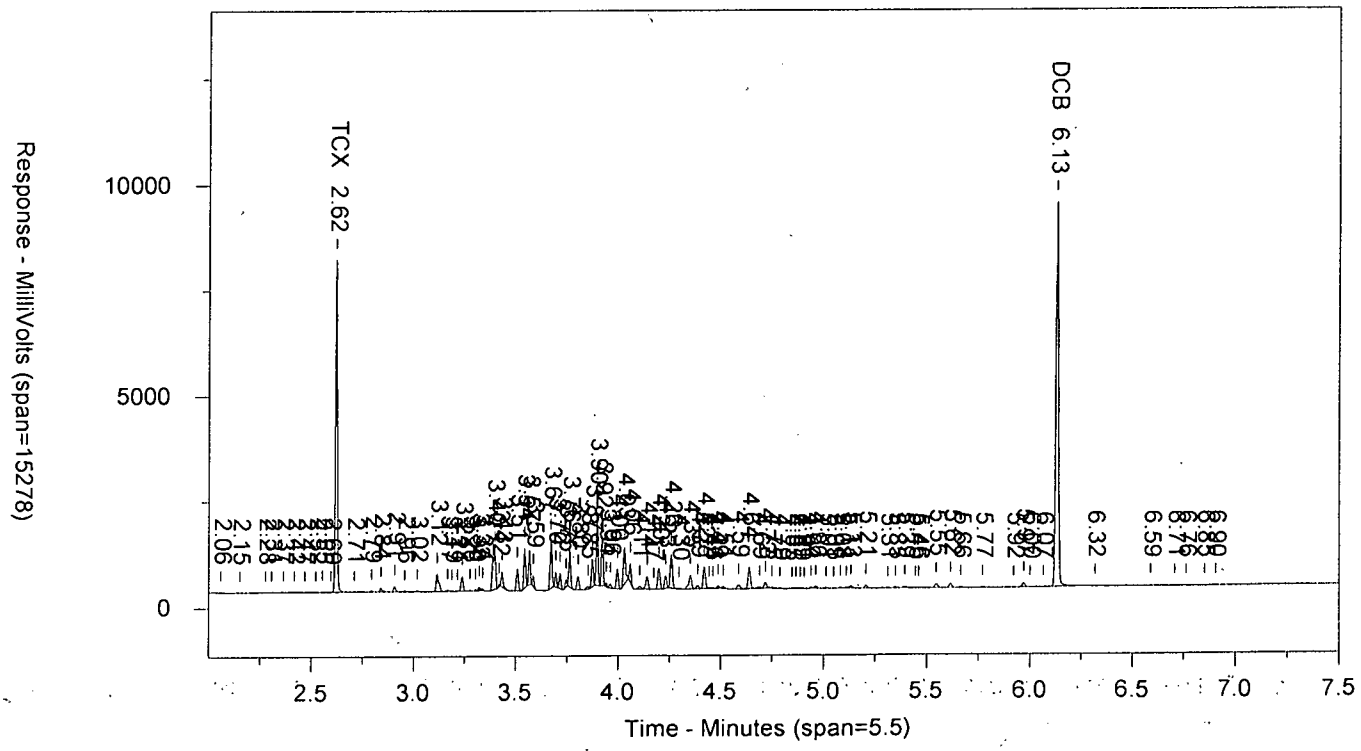


LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:19:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		940	909
2.044		11147	11955
2.094		6238	7887
2.15		1336	658
2.178		1167	768
2.239		39914	31716
2.284		587	286
2.307		710	673
2.34		49030	43176
2.442		887	933
2.504		6354	7198
2.544		2848	2513
2.579		3502	2354
2.602		1622	952
2.722		1083	1049
2.752		6169	8086
2.791		16120	14612
2.855		1249	658
2.885		761	554
2.915		3241	2201
2.945	TCX	9355460	6503612
3.043		3827	2657
3.065		1068	709
3.094		47347	42088
3.143		129097	107517
3.198		218862	164056
3.276		12762	6747
3.292		40456	26017
3.335		994	634
3.38		937	563
3.416		553702	350214
3.433		165339	88375
3.47		45884	27389
3.487		4876	1752
3.496		7086	3413
3.533		572527	462567
3.57		1713	748
3.59		30380	18329
3.609		22675	13958
3.644		118389	71406
3.658		30908	14150
3.702		410643	244706
3.713		544907	277811
3.75		727035	591124
3.808		839485	654320
3.85		112582	84142
3.879		1271324	968168
3.906		773619	632471
3.928		213647	111581
4.003		1531453	1143512
4.027		390084	263827
4.06		508088	372337
4.092		1326735	1236076
4.133		435971	367153

RT A	Compound A	Height A	Area A
4.18		49127	48765
4.22		147911	111653
4.253		1019775	687404
4.272		1411254	881582
4.296		1580894	1188572
4.367		138040	135162
4.402		951308	811303
4.42		321447	169285
4.445		332026	242077
4.485		21405	14097
4.507		84951	66512
4.548		414896	390909
4.598		599606	535111
4.63		328893	253112
4.66		1019302	921895
4.71		17187	12861
4.742		382929	379891
4.786		100083	125765
4.832		114191	101315
4.872		709183	684394
4.906		14251	10059
4.951		73087	94791
4.985		106645	168936
5.032		8715	7937
5.067		738152	733025
5.116		18865	14303
5.148		36001	42304
5.187		194459	204007
5.227		10709	6637
5.255		31641	27488
5.297		15573	14983
5.327		1861	1420
5.392		68347	56330
5.416		30170	21530
5.472		14540	12868
5.508		7929	8704
5.55		20072	20472
5.589		37966	34228
5.615		5699	3772
5.65		67009	55490
5.675		32642	24418
5.756		1367	1709
5.803		416	361
5.853		57055	55874
5.91		22894	34605
5.974		238	667
5.996		8172	10196
6.047		63243	65587
6.111		73511	98458
6.171		2439	8119
6.241		6626	13093
6.283		30364	35285
6.371		820	595
6.417		3692	4555
6.456		652	420
6.486		79060	84389
6.539		650	408
6.575		2129	3411
6.636	DCB	6172860	6608836
6.689		1526	639
6.73		1843	1881
6.765		1191	735
6.785		1589	1527
6.813		662	244
6.834		1441	1314
6.864		1348	631

RT A	Compound A	Height A	Area A
6.885		522	192
6.906		1826	2994
6.994		390	428

LANCASTER LABORATORIES

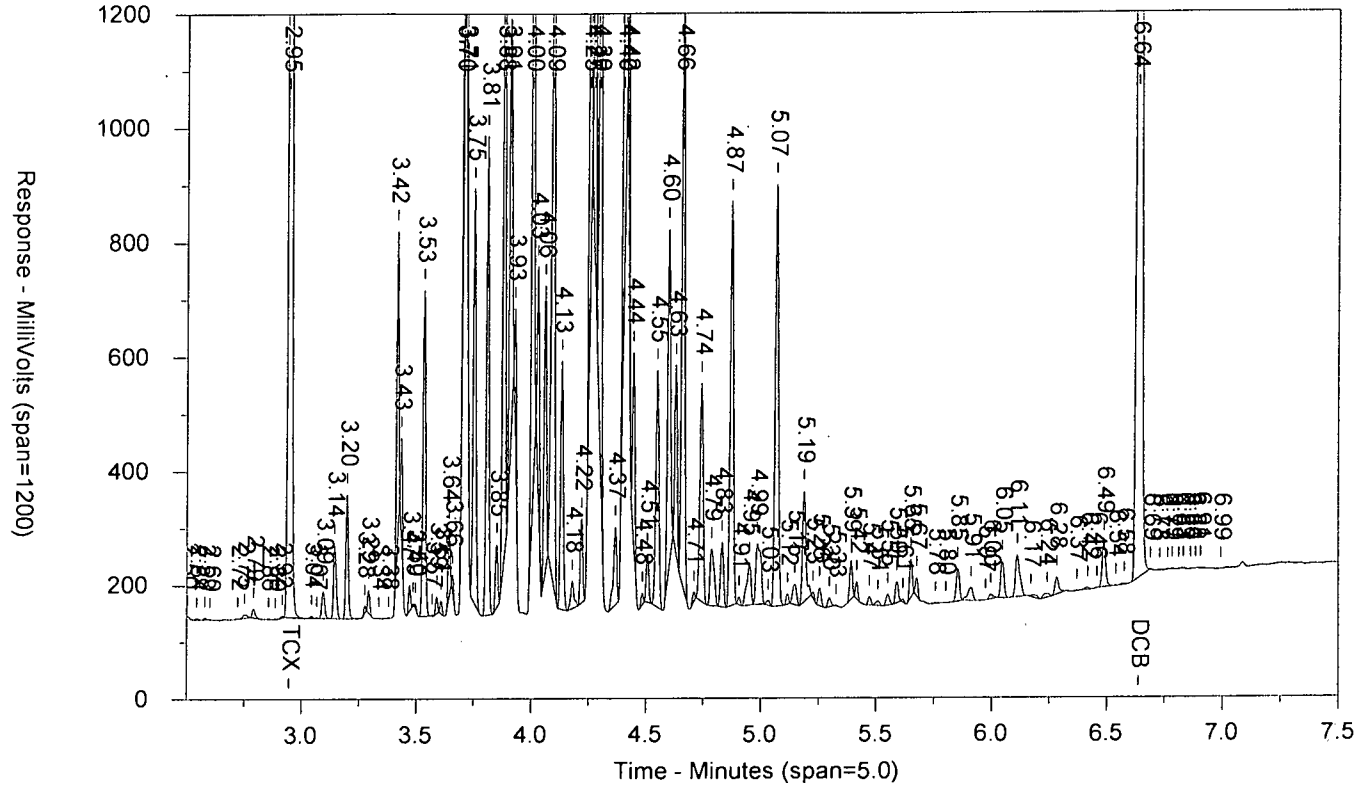
Sample Number: AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:19:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		14930	12455
2.16		4145	6613
2.213		3030	3924
2.238		1559	1735
2.277		1129	1056
2.305		4127	2663
2.37		1920	2388
2.416		3742	3739
2.474		1486	1893
2.554		29926	25917
2.621	TCX	12627020	7939204
2.664		16920	9160
2.71		1798	2319
2.794		73419	53869
2.839		151976	125498
2.907		307947	196872
2.956		31741	20560
2.997		1969	1370
3.019		73109	47594
3.078		1300	969
3.115		1110985	961782
3.167		84082	52767
3.189		34165	20552
3.215		31460	17627
3.238		904171	607414
3.276		46268	28334
3.303		52980	28520
3.322		215219	213667
3.364		2199	896
3.398		2243070	2539351
3.419		161656	63717
3.432		987072	598129
3.507		1427709	926981
3.543		2572300	1559421
3.567		2370624	1295715
3.585		703176	359492
3.671		3093358	1949121
3.695		933963	514237
3.716		952778	570791
3.745		461449	238768
3.762		2386070	1416141
3.803		829171	594621
3.852		155371	136753
3.873		1831097	1127436
3.896		5028161	3051214
3.921		3403349	2068610
3.941		225327	109897
3.96		242919	142089
3.995		1290272	891072
4.03		2462243	1827457
4.059		1311470	742214
4.106		163323	126171
4.141		754638	583671
4.173		6190	3345

RT B	Compound B	Height B	Area B
4.198		1388778	1008238
4.231		798534	558063
4.259		2250080	1599270
4.297		43968	41594
4.352		843066	812644
4.388		215346	156081
4.42		1447505	1044629
4.444		39591	20670
4.487		158879	103645
4.512		109464	80935
4.587		230078	220583
4.638		1460535	1137639
4.68		70914	79456
4.718		349838	310914
4.75		34156	43417
4.789		26031	18602
4.864		9352	11142
4.887		8064	4371
4.906		14513	9277
4.939		61887	45173
4.963		122144	97787
5.012		34638	35520
5.048		14559	11894
5.083		37698	29711
5.11		54851	36582
5.132		121544	101662
5.205		92308	78124
5.241		2579	2159
5.325		3067	2067
5.347		57535	48699
5.391		69204	76545
5.462		19815	17042
5.499		3680	3629
5.547		132769	117212
5.589		2771	2290
5.614		139980	129328
5.665		46421	43185
5.712		3296	3283
5.771		57914	52285
5.802		4479	3313
5.835		1832	2286
5.881		5215	4723
5.921		3181	2885
5.97		165117	143001
6.002		4402	2668
6.024		2689	1607
6.13	DCB	15547110	13308680
6.258		2081	1492
6.277		2887	2919
6.3		3823	3439
6.326		3152	8336
6.541		1830	1644
6.587		14983	15893
6.69		4731	8800
6.761		4793	11319
6.832		1112	2172

AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.015.RAW



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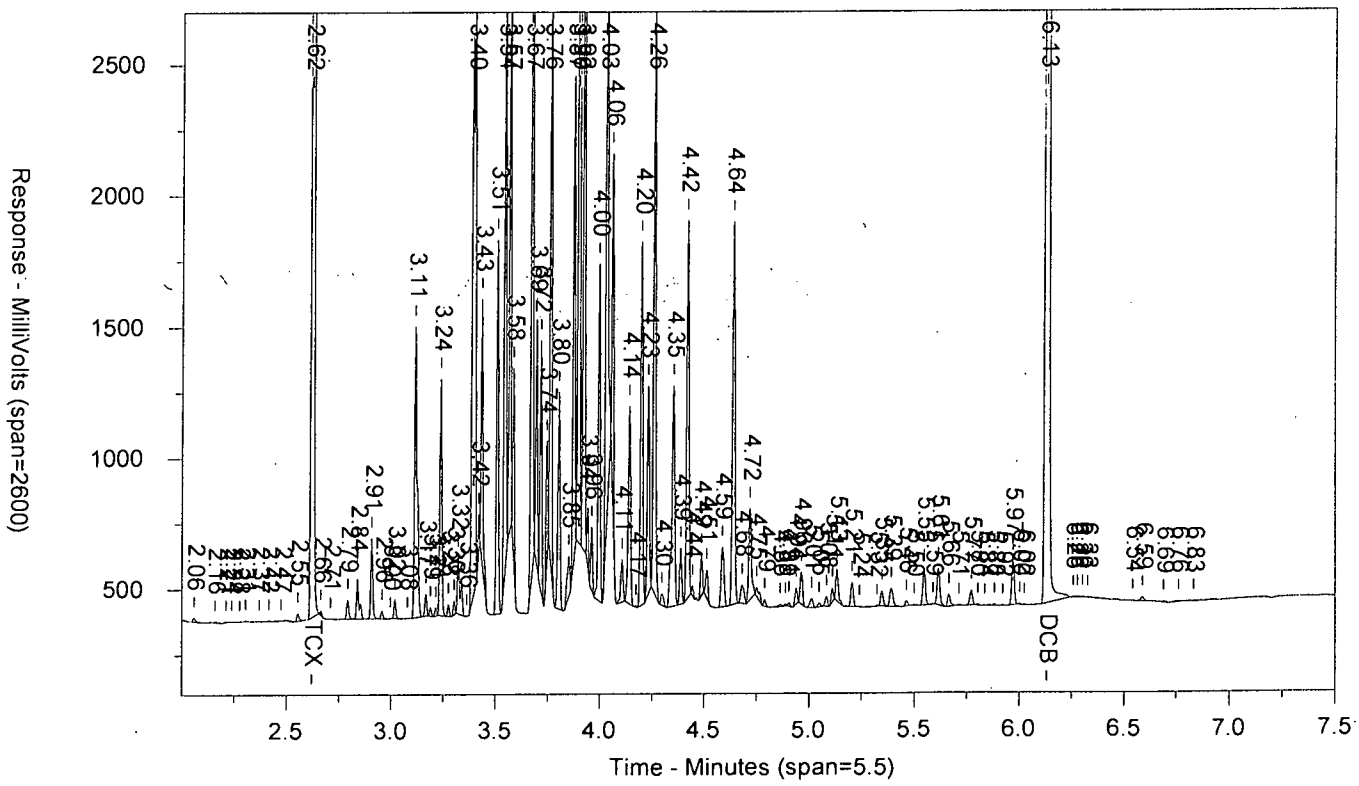

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:19:52 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	9355460	66.933	TCX	2.621	12627020	66.309	TCX
6.636	6172860	61.925	DCB	6.13	15547110	65.953	DCB

Files:
Area File: 25pcbs17116001.015.RAW
Area File: 25pcbs17116001B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:28:23 PM
File Reported On: 4/26/2017 at 4:28:35 PM

AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082

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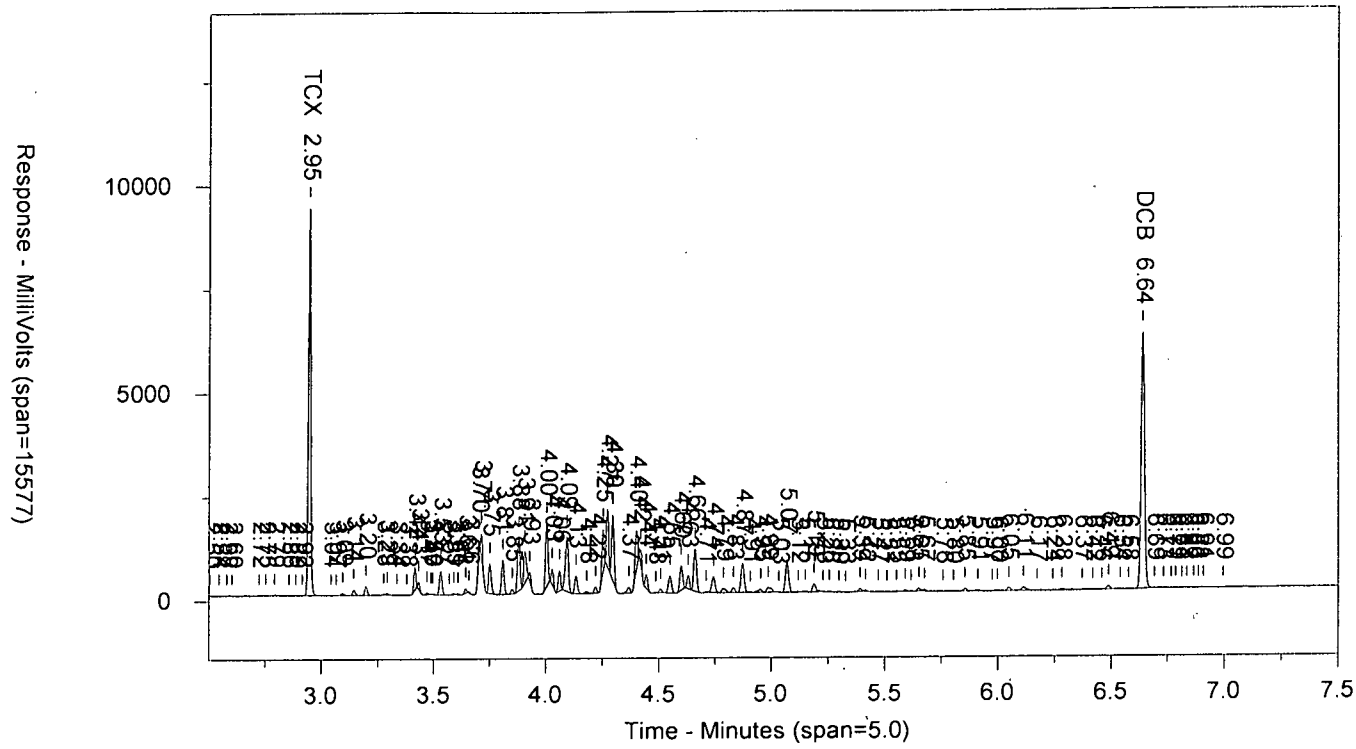

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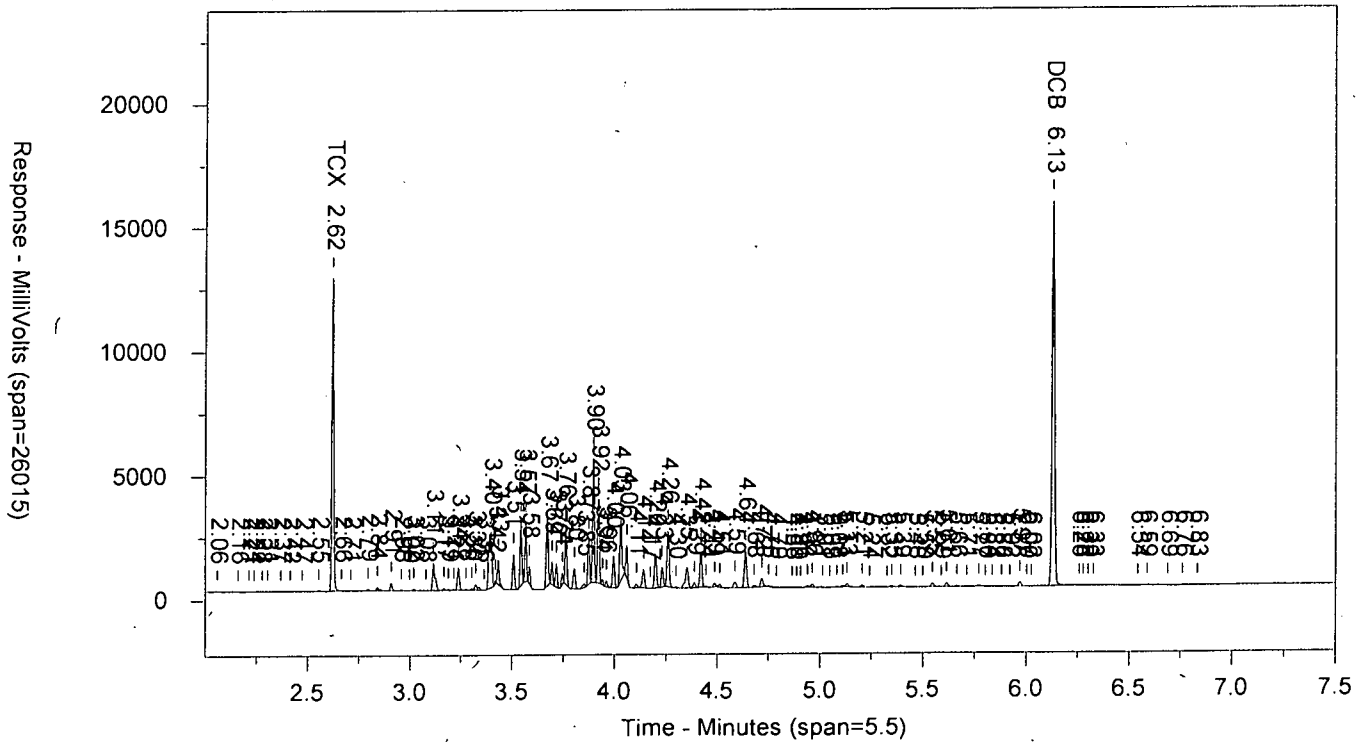

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:31:11 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		7780	9352
2.094		8025	13495
2.149		1238	1415
2.212		465	288
2.239		49764	38542
2.34		49779	51218
2.443		890	751
2.506		4262	5503
2.544		2184	1778
2.58		6808	4540
2.602		1456	930
2.667		860	791
2.719		989	922
2.759		3627	4619
2.791		30168	29937
2.856		1723	1013
2.89		709	627
2.915		2017	1303
2.946	TCX	11770730	8163957
3.044		4382	2993
3.063		1012	589
3.094		88443	78330
3.145		159024	149215
3.198		392468	290767
3.276		15076	7756
3.292		78673	50402
3.335		1406	1100
3.384		653	352
3.416		1027189	637937
3.433		294381	159304
3.471		84722	50475
3.487		16447	22143
3.532		1054229	829226
3.57		2620	1257
3.59		36002	21471
3.609		45395	27969
3.643		203606	124953
3.658		55380	26553
3.702		980789	500772
3.713		1109933	540782
3.75		1387502	1084905
3.807		1514410	1203571
3.85		200982	150845
3.879		2418095	1791454
3.907		1512711	1179756
3.928		376874	211825
4.003		2844586	2116306
4.027		728883	474007
4.059		914551	669117
4.092		2502561	2300001
4.132		778933	654817
4.18		92752	87547
4.22		256827	201357
4.253		1941866	1280758

RT A	Compound A	Height A	Area A
4.272		2694961	1658279
4.296		2998523	2253282
4.367		237742	234774
4.4		1823770	1495016
4.42		672101	363102
4.444		595587	422303
4.484		41318	26794
4.506		144828	116835
4.548		757031	692071
4.598		1130393	979837
4.629		618222	461646
4.66		1949762	1689938
4.71		32534	24299
4.741		683438	671516
4.786		170749	220294
4.831		192384	179580
4.871		1351625	1241513
4.906		18717	12701
4.951		136147	175746
4.984		186584	300705
5.034		15374	11930
5.067		1383356	1354209
5.117		36346	27157
5.147		51383	65509
5.187		342889	357205
5.227		22462	13040
5.255		60851	52426
5.297		29401	27946
5.327		3764	2593
5.391		115580	100024
5.415		52908	38783
5.471		26241	22911
5.509		13600	14876
5.55		26797	26810
5.588		71512	63689
5.614		10388	6449
5.65		113585	102439
5.673		36018	26568
5.757		1113	1335
5.796		601	133
5.854		100486	98085
5.91		40932	62297
5.955		705	552
5.995		14497	15157
6.046		81596	82978
6.109		90398	127655
6.236		1133	2316
6.281		52364	53356
6.326		2446	1934
6.348		465	155
6.367		1155	1043
6.415		3355	4376
6.459		1068	753
6.485		103488	111089
6.55		436	644
6.588		901	1541
6.635	DCB	7882568	8286689
6.732		1965	1338
6.767		3126	3909
6.799		425	318
6.835		2162	2090
6.863		998	449
6.888		829	409
6.911		1916	1423

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:31:11 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.002		1222	619
2.058		19171	15037
2.162		3467	4988
2.244		2129	7133
2.304		7607	6392
2.417		2288	2299
2.503		4949	8419
2.538		3253	3334
2.554		63920	55770
2.621	TCX	16179610	10018440
2.665		33264	20628
2.794		131806	96815
2.84		184123	175277
2.907		542572	352411
2.957		40115	24525
2.996		1222	671
3.019		127200	83917
3.115		1979704	1751568
3.167		151031	91733
3.189		59949	34530
3.215		54970	30562
3.238		1635207	1107416
3.275		81956	50243
3.303		63447	33312
3.322		397109	365341
3.363		3547	1702
3.398		4464540	4870480
3.432		2066409	1695643
3.507		2805229	1732642
3.543		4805663	2910080
3.566		4356128	2445282
3.585		1316356	679174
3.671		5874348	3739116
3.694		1792538	955408
3.715		1861135	1089887
3.744		891400	453001
3.761		4492911	2715662
3.802		1555912	1089096
3.851		284829	238085
3.873		3609044	2147685
3.896		9243298	5782622
3.92		6735112	4312801
3.959		423286	245021
3.994		2399137	1651710
4.029		4650492	3454649
4.058		2584069	1455476
4.105		302726	219719
4.14		1406613	1064911
4.197		2601085	1916385
4.23		1495054	1034459
4.258		4340198	3033350
4.297		77879	74327
4.351		1573998	1478632
4.387		382969	275985

RT B	Compound B	Height B	Area B
4.419		2687571	1951677
4.443		66346	37021
4.486		291940	191021
4.512		203562	141258
4.586		392038	393856
4.638		2864086	2167755
4.679		121715	129609
4.717		643496	561182
4.749		41603	20076
4.763		35879	18581
4.788		47597	33354
4.846		4621	3854
4.862		9000	5591
4.887		14415	8841
4.904		24432	16054
4.938		107379	77970
4.962		222603	170011
5.012		59685	60513
5.048		24723	19110
5.081		49820	41107
5.109		90727	62467
5.131		216327	176126
5.204		115629	102730
5.323		5911	3782
5.346		101413	83375
5.391		162945	173776
5.462		32988	28888
5.502		2487	2906
5.546		165218	141844
5.592		2184	1927
5.614		163471	144001
5.663		66666	60477
5.77		101572	89216
5.802		6392	4513
5.921		3980	3387
5.97		213080	184558
6		5538	3462
6.073		737	948
6.129	DCB	18801180	16651240
6.274		2229	1435
6.35		2459	8094
6.536		2464	2241
6.585		18307	15933
6.672		1970	4204
6.76		4426	10909
6.917		964	1604

AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082

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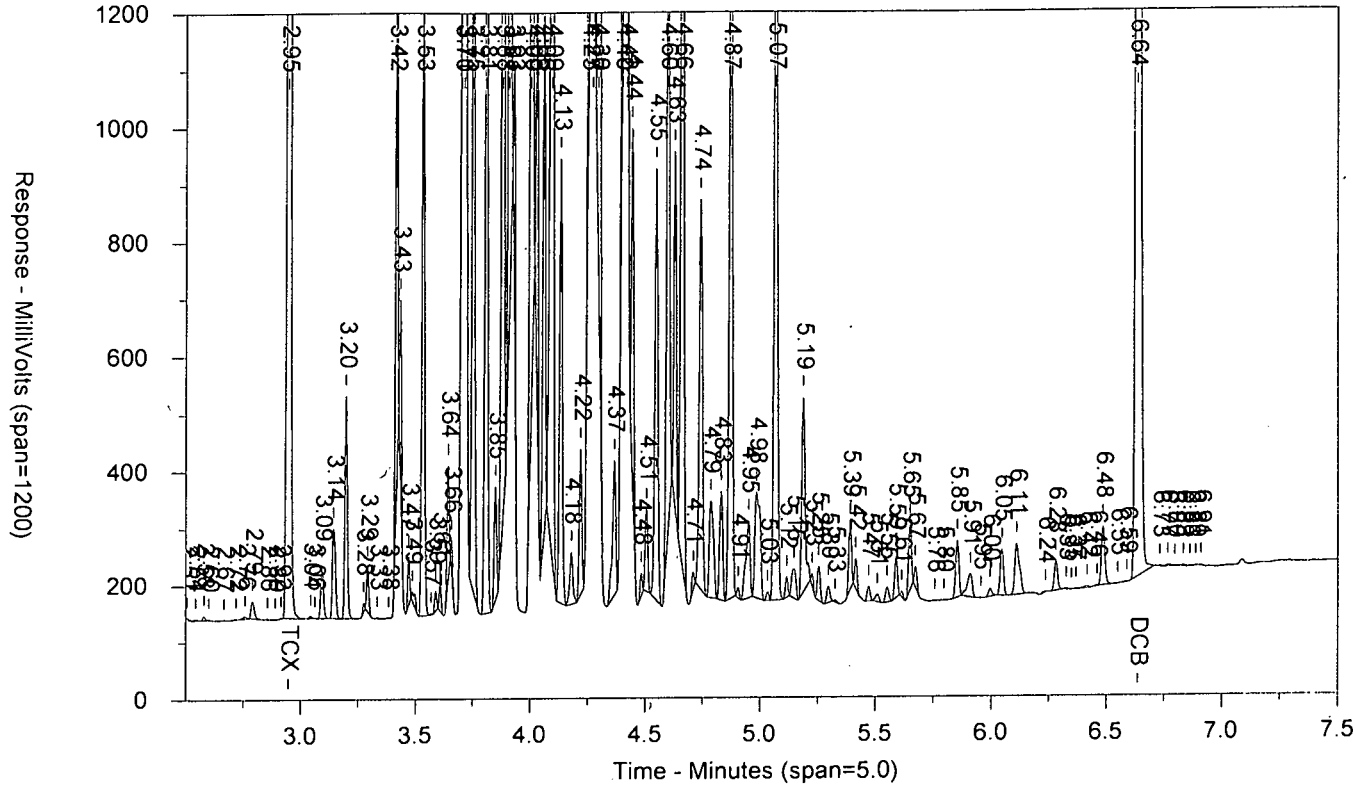

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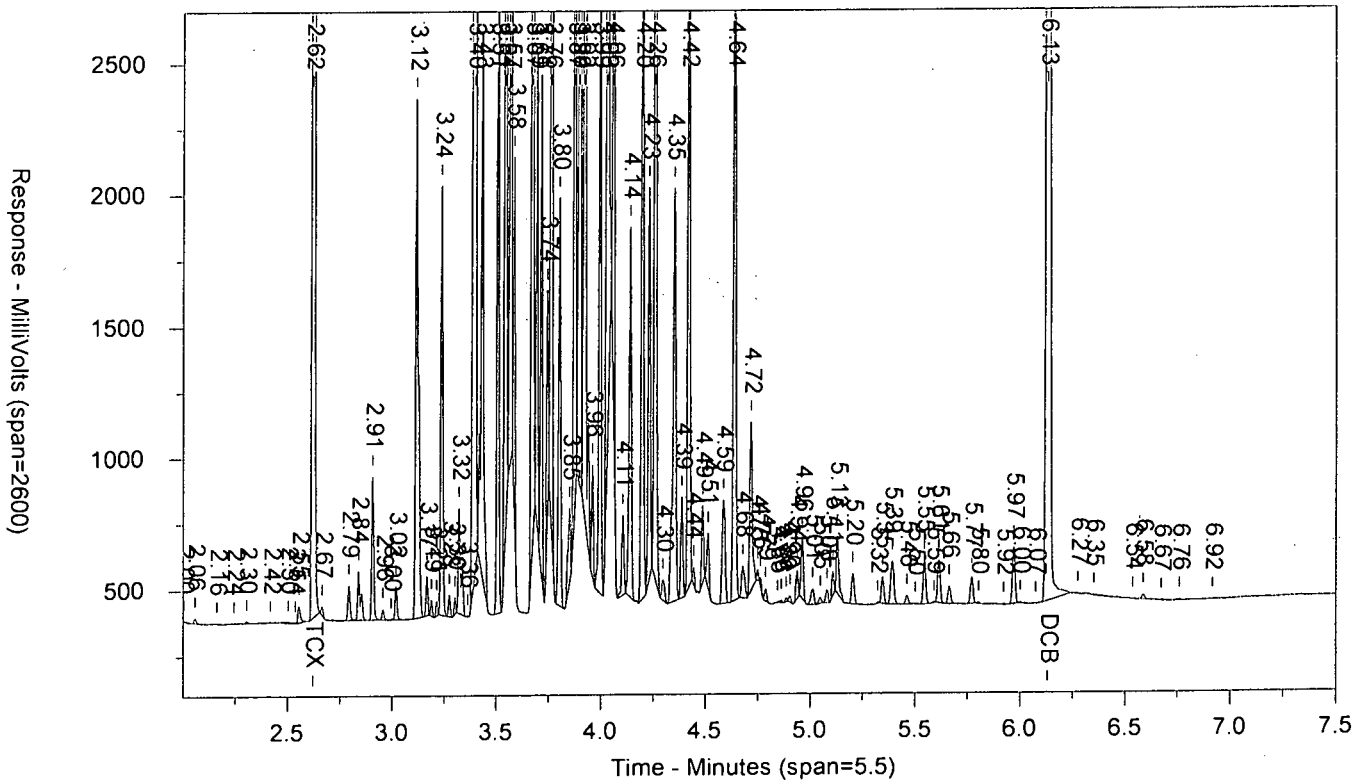

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:31:11 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.946	11770730	84.213	TCX	2.621	16179610	84.965	TCX
6.635	7882568	79.076	DCB	6.129	18801180	79.757	DCB

Files:
Area File: 25pcbs17116001.016.RAW
Area File: 25pcbs17116001B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:39:42 PM
File Reported On: 4/26/2017 at 4:39:51 PM

AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082

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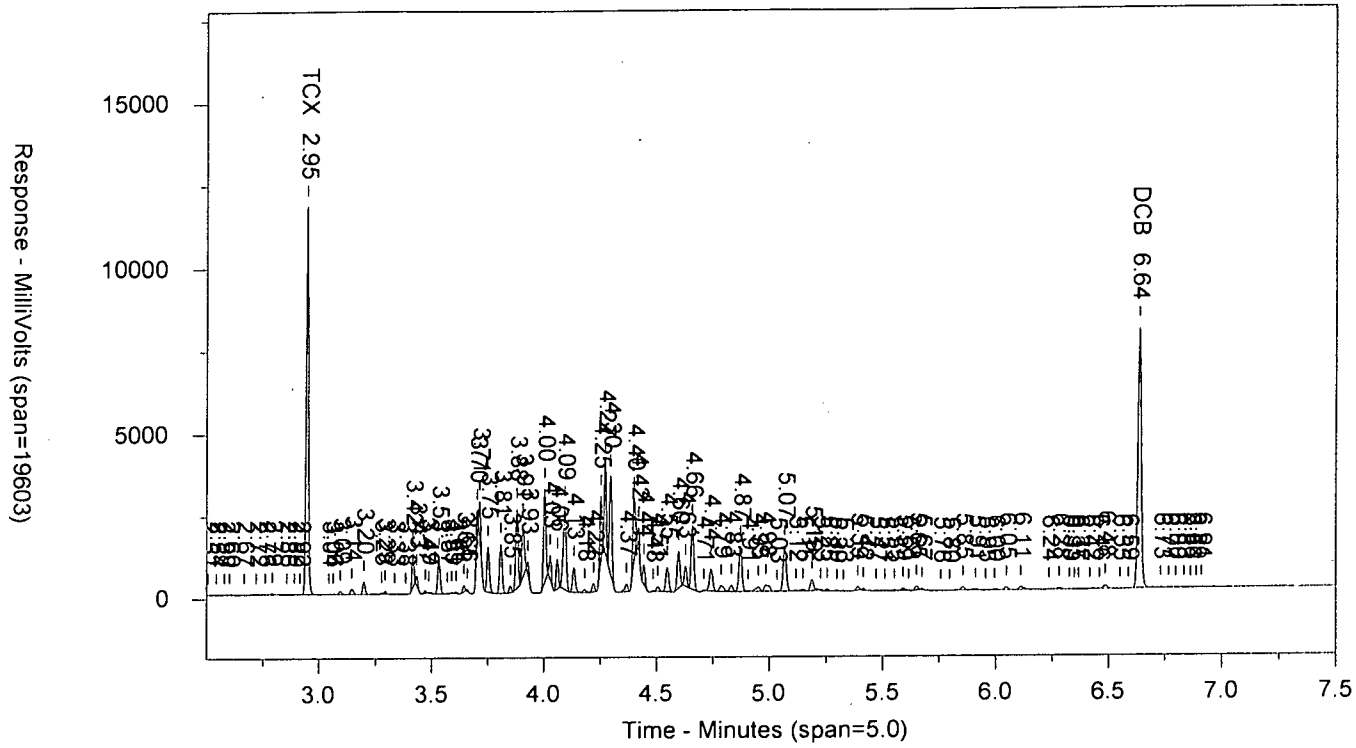

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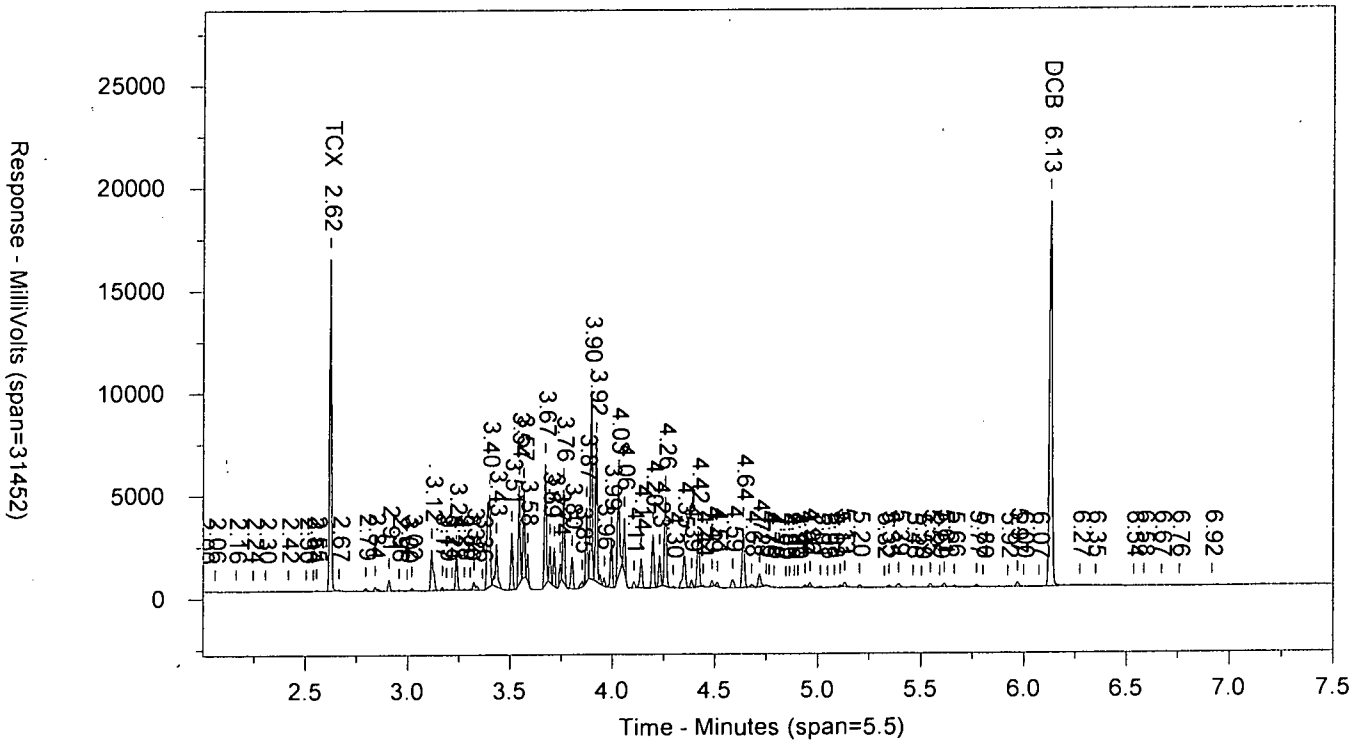

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:42:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		807	898
2.045		12679	13073
2.076		777	306
2.092		2173	2255
2.17		1219	1434
2.239		2809	2699
2.339		34098	25174
2.505		7961	8500
2.542		1126	888
2.6		1793	1350
2.761		2967	4920
2.79		20369	19077
2.891		296	236
2.914		5191	4010
2.945	TCX	565847	400110
3.043		874	955
3.063		612	351
3.092		1033	790
3.143		8743	6495
3.198		2820	2720
3.285		6109	7809
3.416		3866	2555
3.433		1342	771
3.488		1536	1383
3.53		4884	5125
3.558		861	807
3.588		2170	1193
3.608		2089	1227
3.633		5147	5454
3.696		23150	25147
3.749		10103	7811
3.778		528	278
3.806		5824	4976
3.848		685	242
3.877		127177	100009
3.904		31787	28653
3.966		4271	4328
4.001		81092	63266
4.026		4203	2282
4.057		8373	6280
4.091		33708	30840
4.131		6478	4969
4.194		14094	10621
4.217		4806	2821
4.252		157116	116313
4.27		54730	29948
4.297		61563	53446
4.366		57969	46913
4.408		264920	308274
4.442		114338	93353
4.482		3709	2355
4.505		18856	14934
4.546		111597	98864
4.597		188601	166744

RT A	Compound A	Height A	Area A
4.627		45984	31083
4.658		375994	344170
4.708		16202	12264
4.722		3666	1418
4.741		52191	38432
4.784		126332	134126
4.829		26024	23438
4.87		270183	262772
4.901		4475	2931
4.93		29928	36843
4.982		159029	248035
5.03		3045	2494
5.067		197988	212186
5.115		22589	17806
5.139		19766	29710
5.185		270092	247167
5.208		15966	7151
5.224		7944	4986
5.254		9758	7943
5.296		12051	14368
5.342		472	141
5.39		89899	77573
5.414		20700	14140
5.447		862	500
5.47		11051	9662
5.508		9848	9243
5.55		3353	3391
5.587		61852	54900
5.613		7193	4997
5.649		46218	42245
5.698		2854	3998
5.782		782	1030
5.818		393	98
5.852		41293	38475
5.883		4953	3645
5.91		922	833
5.979		185	842
6.006		3979	5264
6.045		4467	3710
6.083		1478	1159
6.11		2733	3742
6.243		692	1388
6.299		4078	9736
6.366		1037	1508
6.413		456	850
6.483		5399	6299
6.509		591	201
6.565		2303	2765
6.634	DCB	438832	504448
6.713		628	165
6.724		922	346
6.757		1976	2284
6.789		784	532
6.834		2074	4010
6.883		831	521
6.911		2374	3640
6.962		553	543
6.994		744	322

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:42:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.164		4467	8144
2.24		4042	15055
2.276		2012	2441
2.416		2102	2759
2.473		1421	1044
2.554		39128	36215
2.621	TCX	707576	453979
2.712		2073	2878
2.796		1298	931
2.839		11770	6525
2.859		2526	1857
2.908		3735	3061
2.959		2285	3326
3.066		1274	1433
3.116		10478	10887
3.168		1785	4685
3.193		5334	4478
3.239		7438	4893
3.276		4781	3087
3.303		3324	1899
3.339		29790	20727
3.389		16177	18357
3.432		17050	22752
3.465		3117	2109
3.507		10168	7185
3.542		222877	142877
3.566		73648	48958
3.633		1542	1353
3.67		131231	84947
3.694		12887	7043
3.715		14157	9538
3.744		8727	4235
3.761		57053	35899
3.801		15518	11734
3.841		11885	10358
3.872		49953	30480
3.894		530283	362373
3.92		63777	36214
3.94		49684	28150
3.959		123089	81232
3.994		489484	340078
4.026		194229	119995
4.043		115691	63113
4.104		44608	36898
4.139		192735	150900
4.196		400736	289918
4.229		119289	90242
4.257		711782	532663
4.295		56214	55046
4.349		350594	305818
4.385		56490	44221
4.418		478180	348470
4.442		77003	50316
4.485		286254	219309

RT B	Compound B	Height B	Area B
4.51		17215	10581
4.584		269569	276475
4.637		340364	282926
4.677		98675	84773
4.716		559541	556643
4.763		44783	28572
4.787		18450	13020
4.844		7259	8234
4.904		31201	28083
4.937		30633	21536
4.961		179924	148169
5.012		24878	21062
5.047		21194	16862
5.077		13194	10842
5.109		97055	68003
5.131		67027	55782
5.205		8101	10431
5.347		4092	3984
5.387		77378	80190
5.544		14288	16372
5.593		3468	2359
5.612		8642	7978
5.77		5234	5693
5.87		2394	5374
5.969		11622	12521
6.032		913	777
6.091		8447	7029
6.128	DCB	1046520	943133
6.198		1837	2700
6.3		3017	4794
6.451		2790	3724
6.583		1348	781
6.783		866	3124
6.976		994	916

AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082

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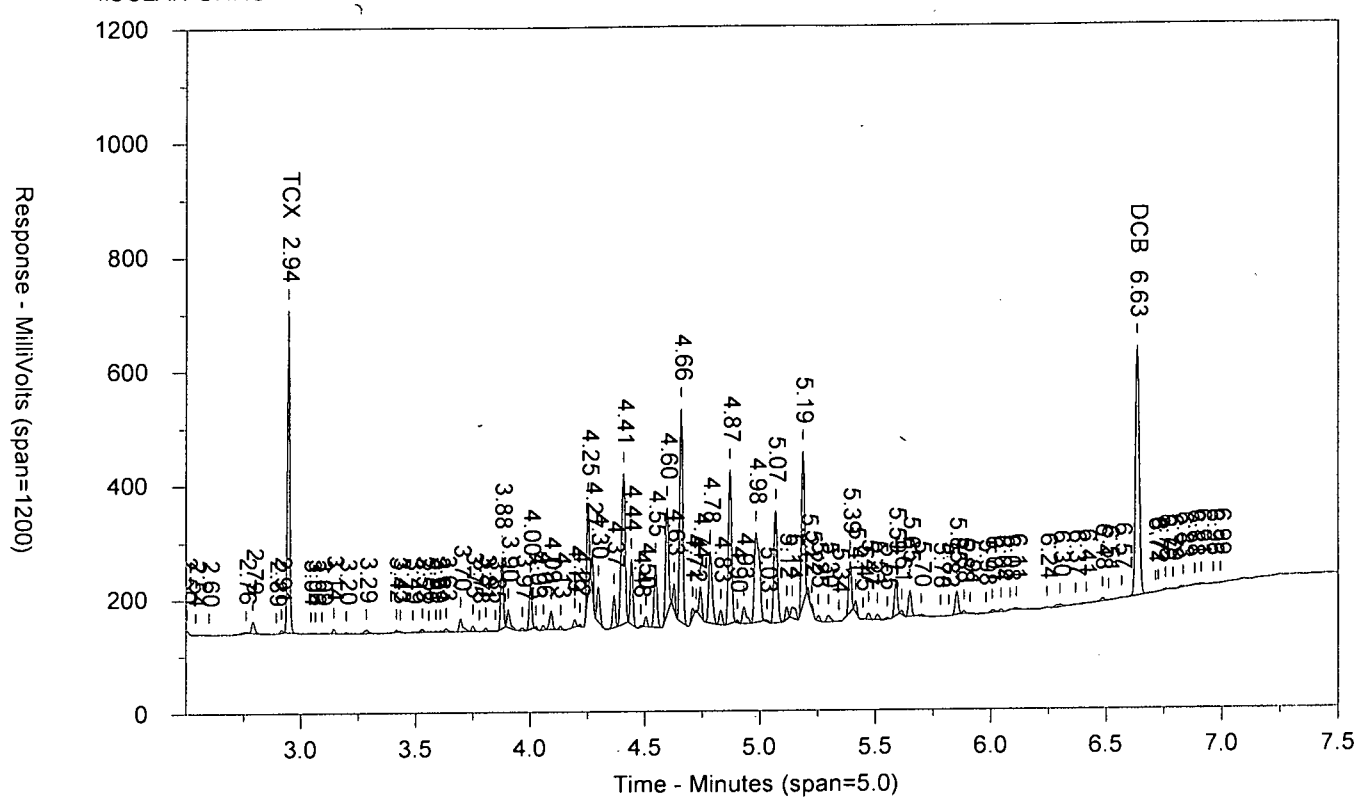

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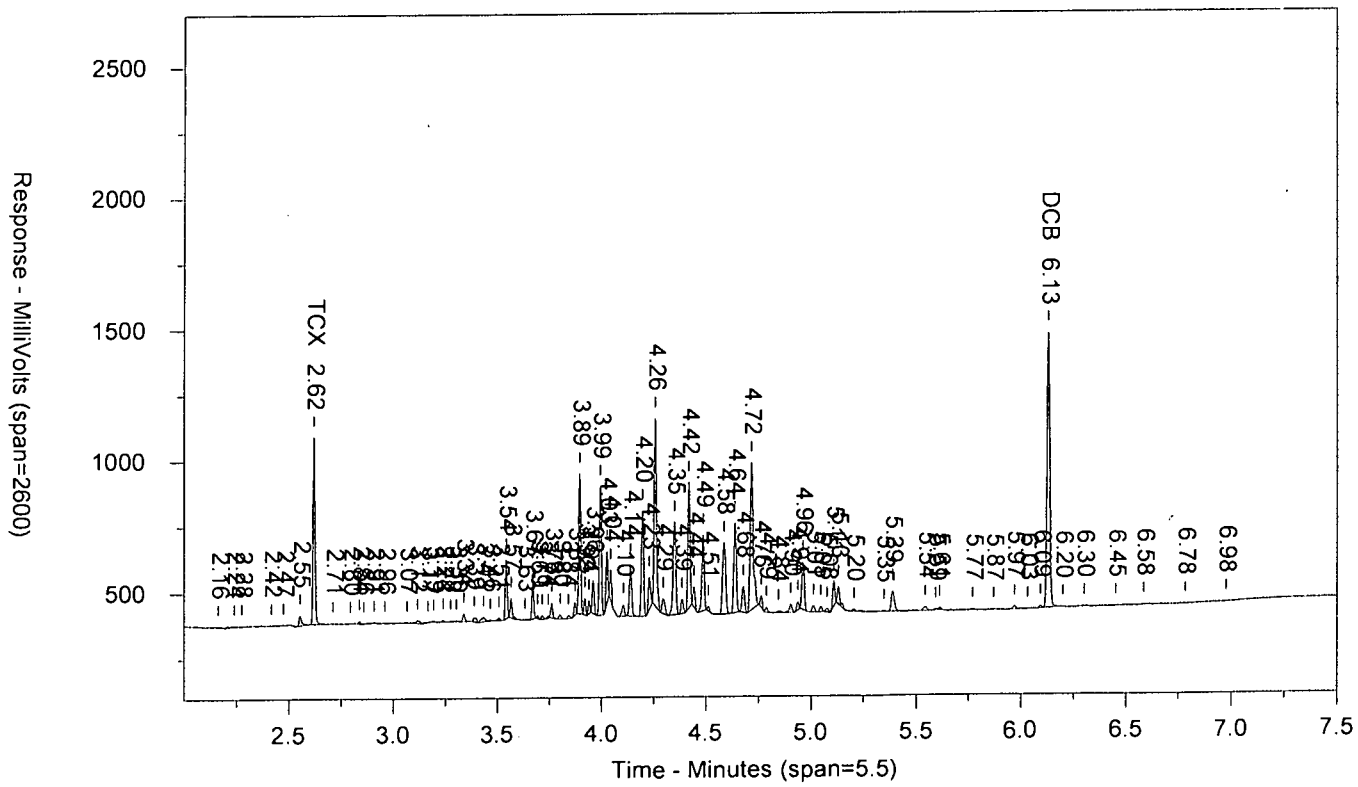

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:42:27 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	565847	4.048	TCX	2.621	707576	3.716	TCX
6.634	438832	4.402	DCB	6.128	1046520	4.439	DCB

Files:
Area File: 25pcbs17116001.017.RAW
Area File: 25pcbs17116001B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:50:59 PM
File Reported On: 4/26/2017 at 4:51:09 PM

AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082

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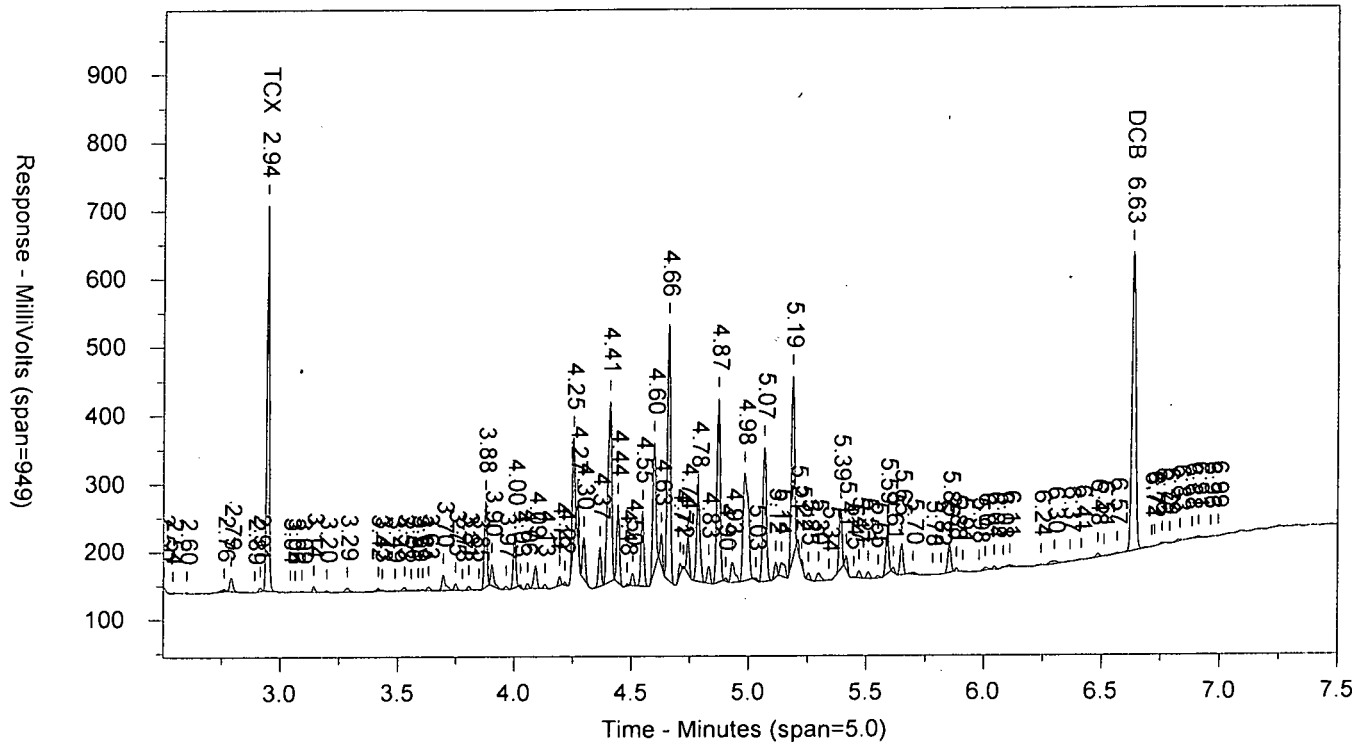

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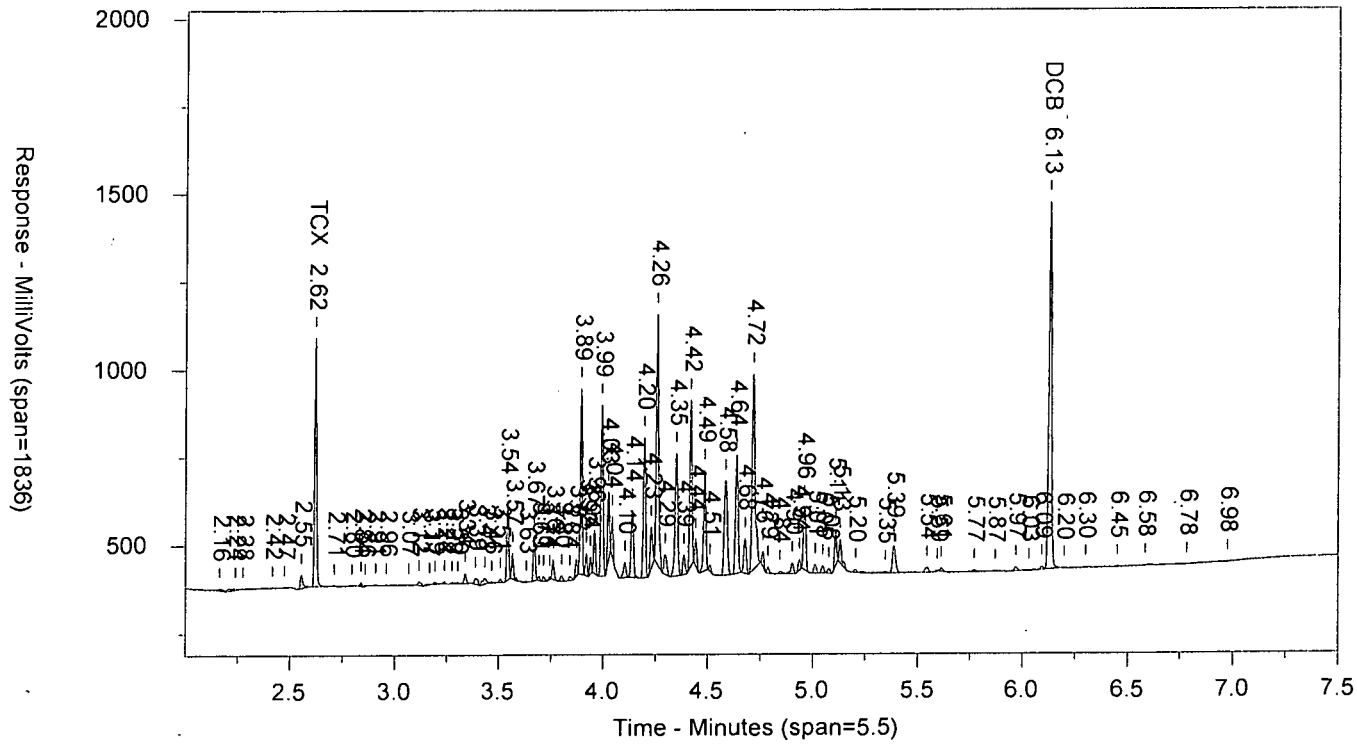

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:53:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.044		11181	11997
2.09		3116	4651
2.169		1017	933
2.24		5623	5412
2.291		908	1150
2.339		31372	23344
2.452		398	242
2.504		6955	7423
2.543		926	811
2.601		1340	1060
2.641		354	155
2.76		3218	5552
2.79		21542	21875
2.89		823	988
2.914		4223	3088
2.945	TCX	1160538	814143
3.01		879	639
3.045		896	714
3.064		1268	962
3.095		1880	2180
3.143		17252	12694
3.197		5116	3942
3.232		560	557
3.286		5545	9113
3.376		306	162
3.4		678	501
3.416		7448	4529
3.433		2098	1193
3.487		2543	2770
3.531		9059	8134
3.56		843	503
3.589		4159	2596
3.608		3796	2261
3.635		4262	4480
3.698		25958	33491
3.75		18298	13812
3.807		11498	9838
3.848		1713	1056
3.878		239008	186156
3.905		63394	56422
3.966		3550	3392
4.002		154553	122547
4.026		7506	4527
4.058		15740	11328
4.092		65232	60930
4.132		12798	10842
4.195		11472	9241
4.217		10754	7128
4.254		311719	219769
4.271		100555	60049
4.298		111979	95833
4.366		106580	90423
4.408		501385	580532
4.442		205410	175585

RT A	Compound A	Height A	Area A
4.484		6803	4583
4.505		36193	28908
4.547		202886	187646
4.597		361456	320662
4.628		87945	60848
4.658		703560	647111
4.709		35014	24839
4.723		7450	2710
4.742		95446	75294
4.784		236071	251750
4.83		52093	46726
4.87		514933	502936
4.903		9664	6044
4.931		62280	73604
4.984		295264	468392
5.033		5744	4207
5.067		379350	411207
5.116		46987	36623
5.14		16751	10674
5.151		13335	8538
5.187		517250	470034
5.209		25597	11293
5.226		19553	9883
5.254		19045	15134
5.297		22375	28230
5.391		162478	148338
5.415		42859	28908
5.445		1576	815
5.471		22740	20357
5.509		19480	18439
5.55		6164	5371
5.588		120853	107975
5.614		15443	9996
5.649		90695	98571
5.755		1004	1332
5.853		80339	76320
5.883		10225	8156
5.964		492	636
6.009		3460	4685
6.045		9049	7886
6.108		9909	18254
6.198		1047	1816
6.244		2082	3718
6.284		5220	10909
6.37		961	1511
6.411		1306	1699
6.484		10205	13176
6.571		2098	2755
6.634	DCB	867749	946628
6.731		609	817
6.782		1555	3498
6.831		2498	3401
6.884		514	932
6.911		2197	3945
6.967		447	129

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:53:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		2373	3002
2.161		3361	6215
2.239		3514	12507
2.301		1461	3996
2.417		1805	1791
2.501		11338	24025
2.526		3770	2537
2.554		42284	40381
2.621	TCX	1506094	943283
2.711		1632	1787
2.795		1983	1653
2.839		22529	12481
2.887		1431	4156
2.908		6963	4976
2.957		4295	2744
2.999		1790	3144
3.116		16702	15900
3.167		1573	3376
3.194		7263	6609
3.239		12672	8654
3.276		7896	4642
3.303		8326	4915
3.323		1676	804
3.339		27338	16402
3.389		27337	30044
3.419		7937	3710
3.433		19645	14090
3.465		4975	3621
3.508		19510	13340
3.543		435199	269069
3.566		136884	90123
3.671		250756	165739
3.695		23462	12521
3.715		28115	18975
3.745		16207	7716
3.761		106827	66428
3.802		28982	22037
3.842		24162	21044
3.873		97509	58008
3.895		1042093	707625
3.92		118324	66258
3.94		96535	53907
3.96		203549	132169
3.995		940879	658332
4.027		363741	228052
4.044		209575	115544
4.105		79024	63374
4.14		371979	282299
4.197		772118	569818
4.231		221059	163841
4.258		1400221	1048565
4.296		106559	103055
4.35		663870	577124
4.387		105977	80933

RT B	Compound B	Height B	Area B
4.419		959628	682771
4.443		144541	93980
4.486		542513	420034
4.512		32393	19583
4.586		523740	521508
4.638		685802	551031
4.678		179031	152822
4.717		1130950	1064775
4.763		85275	54500
4.788		33771	23931
4.848		13005	15106
4.886		3806	1705
4.905		55304	42324
4.939		59587	41128
4.962		355299	285259
5.012		50311	41759
5.048		41322	33776
5.078		26651	21528
5.11		171673	127902
5.131		123080	106009
5.204		15448	13128
5.347		6486	4999
5.388		152392	151128
5.545		24018	22571
5.591		6593	4116
5.614		19195	13919
5.662		6390	4831
5.77		9575	8439
5.855		2289	7413
5.947		1266	631
5.969		21984	19307
6.092		1991	1849
6.129	DCB	1969397	1839893
6.314		2177	3077
6.459		1747	3167
6.507		1484	835
6.583		2121	1599
6.604		1720	1914
6.758		1202	1731

AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082

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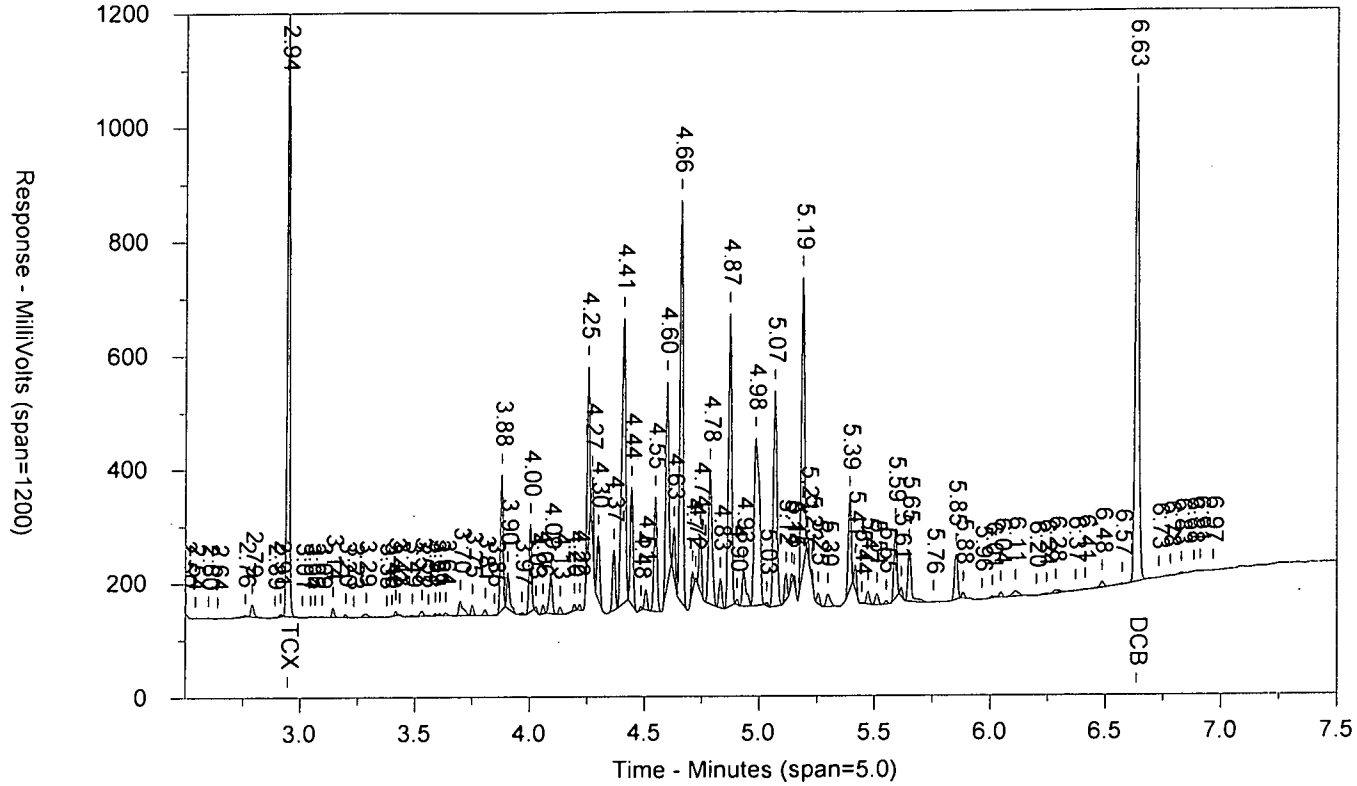

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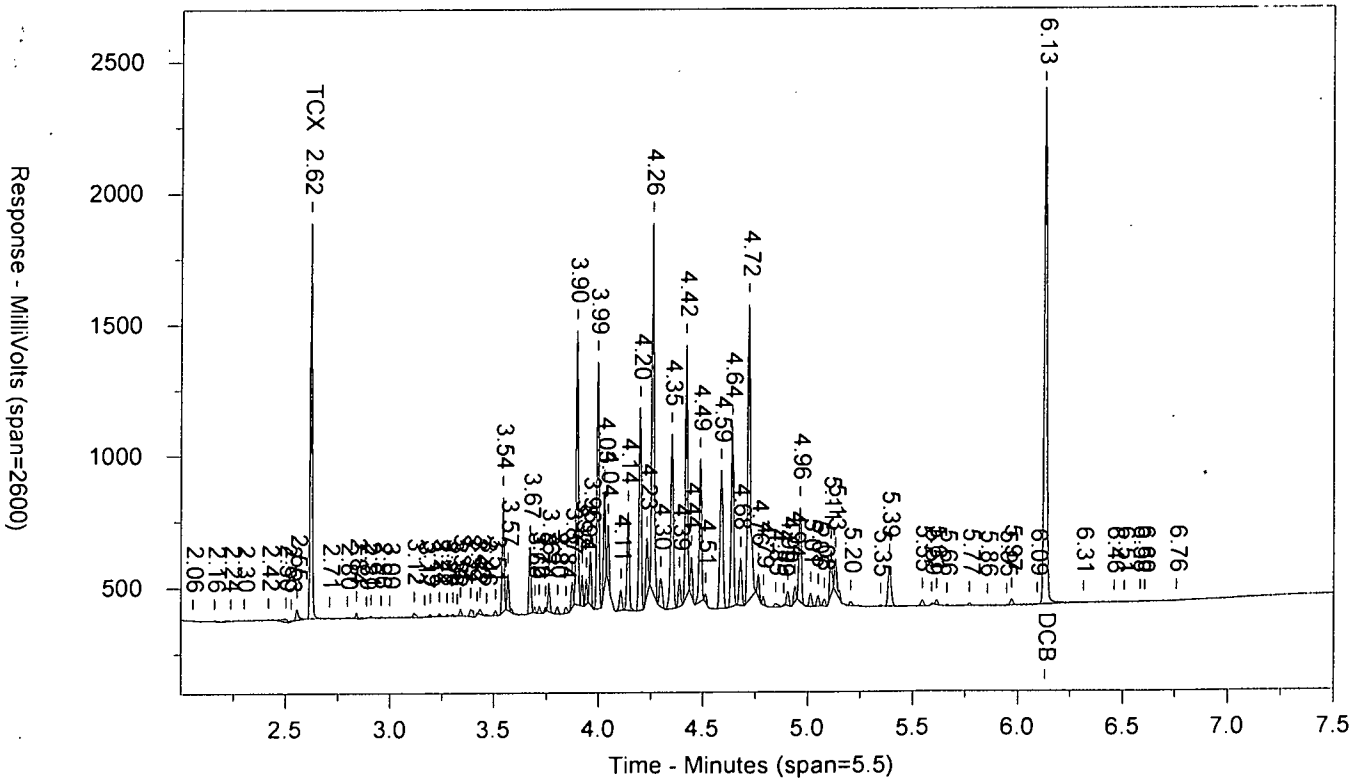

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:53:45 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	1160538	8.303	TCX	2.621	1506094	7.909	TCX
6.634	867749	8.705	DCB	6.129	1969397	8.354	DCB

Files:
Area File: 25pcbs17116001.018.RAW
Area File: 25pcbs17116001B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:02:15 PM
File Reported On: 4/26/2017 at 5:02:25 PM

AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082

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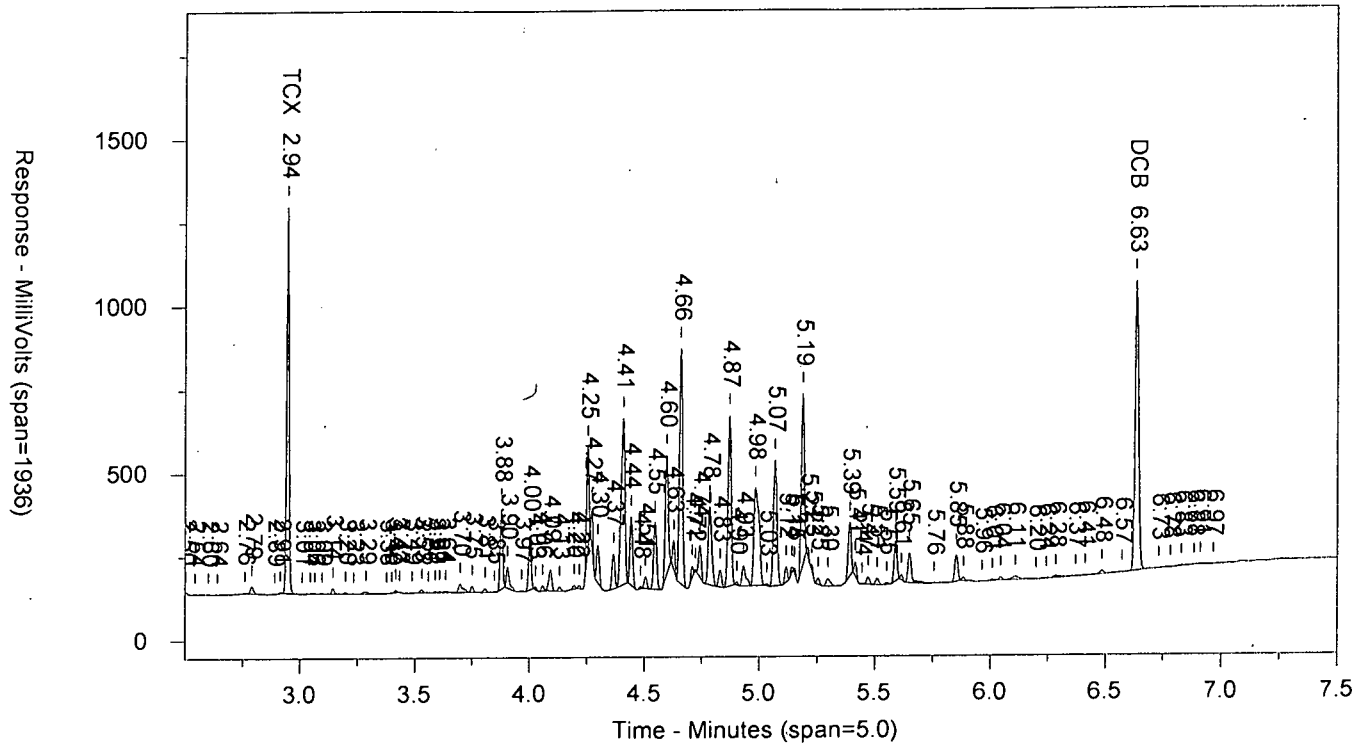

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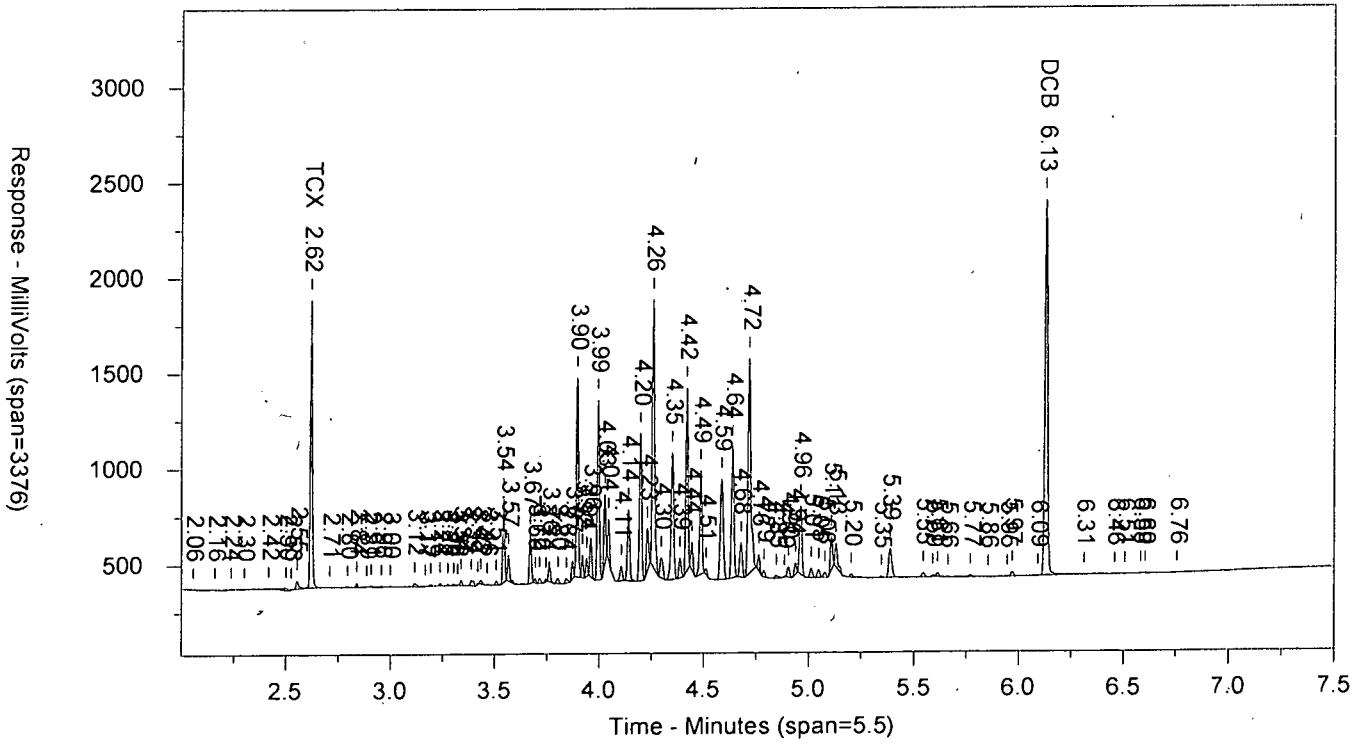

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:05:29 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		963	811
2.047		9302	9459
2.094		3684	5142
2.177		2312	3559
2.242		13548	11967
2.295		698	903
2.342		38246	30063
2.507		5527	6592
2.547		1286	1075
2.604		1459	1133
2.674		785	971
2.725		409	816
2.764		2700	3515
2.793		24766	23639
2.888		863	700
2.917		3608	2288
2.947	TCX	2795447	1990401
3.046		1495	1545
3.068		868	620
3.096		3856	3900
3.146		38776	28213
3.2		11853	8764
3.279		8097	11719
3.384		371	202
3.419		18466	11086
3.437		5680	3444
3.473		896	438
3.49		4630	3813
3.535		19758	17488
3.594		10912	6660
3.613		10726	6264
3.645		4996	4501
3.662		1729	805
3.705		41747	61181
3.756		41344	32242
3.812		24343	18989
3.853		2985	1880
3.882		538605	413631
3.91		142281	128204
3.972		1721	1250
4.007		343870	271626
4.031		16978	9962
4.062		36013	25764
4.096		153289	141050
4.137		29860	24870
4.199		13707	13033
4.223		26252	19599
4.258		719156	506937
4.275		243538	126339
4.302		217681	194464
4.371		234865	201386
4.414		1126391	1319774
4.448		460343	385761
4.489		16622	10853

APR 26 2017

RT A	Compound A	Height A	Area A
4.511		86524	68350
4.552		440812	415766
4.603		844623	735550
4.633		190368	131233
4.663		1632589	1496539
4.713		72947	55407
4.728		9623	3261
4.746		211135	164844
4.789		525496	558287
4.835		123216	110490
4.875		1205207	1161638
4.907		22938	14774
4.936		138486	173288
4.988		657157	991961
5.03		57975	49807
5.072		883277	960409
5.12		103644	83276
5.143		41251	27020
5.156		28707	18431
5.191		1297583	1332191
5.229		38481	25977
5.258		45756	37445
5.3		53499	64574
5.35		540	368
5.395		365549	328434
5.419		89628	65342
5.449		2891	1592
5.474		53098	48316
5.513		48746	44639
5.553		13467	11857
5.591		261198	243947
5.617		37995	25738
5.653		196964	183336
5.678		4298	3478
5.757		3111	4232
5.855		174764	170706
5.886		26364	23608
5.955		2039	2372
6.027		852	2619
6.049		21675	19815
6.112		25932	49796
6.249		2403	5280
6.284		11086	13125
6.374		1125	1098
6.414		1660	2048
6.489		25145	28557
6.578		978	1501
6.639	DCB	1996524	2153973
6.703		810	465
6.738		439	663
6.761		4377	7666
6.834		2403	3419
6.917		2941	6323
6.981		809	887

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:05:29 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.059		4683	3142
2.162		2577	3999
2.245		2803	10205
2.415		2478	2775
2.473		1357	810
2.501		2727	3861
2.554		48108	40047
2.621	TCX	3865338	2369031
2.712		1879	2694
2.793		5216	5038
2.84		51415	31302
2.908		17000	11239
2.957		10066	6837
2.996		1280	924
3.019		2353	2573
3.116		36558	34917
3.169		2612	1534
3.191		9759	6823
3.24		30132	20887
3.277		18804	11294
3.304		19655	10928
3.325		6051	2998
3.341		27382	16304
3.39		55506	60395
3.421		16675	7737
3.435		46714	32976
3.51		42196	27971
3.545		968882	608796
3.569		298230	194033
3.674		585269	384721
3.697		50115	26849
3.719		67938	45288
3.748		35464	17714
3.765		242758	149811
3.805		66349	50127
3.845		52016	45038
3.876		210237	126108
3.898		2630759	1705244
3.923		254355	143262
3.943		221598	123223
3.963		444519	280213
3.998		2280277	1563546
4.03		851360	525536
4.047		508029	268168
4.108		171152	131114
4.143		858357	645802
4.2—		1936379	1386784
4.234		524383	380686
4.261—		3606498	2587074
4.299		244626	231478
4.353—		1606644	1349108
4.39		235285	181353
4.423—		2319028	1645597
4.446		317315	208097

RT B	Compound B	Height B	Area B
4.489		1330287	989780
4.514		67714	40254
4.589		1161339	1152080
4.618		87230	50879
4.641		1674538	1272508
4.681		412683	345765
4.72		2710009	2589825
4.767		195659	123297
4.791		83101	57161
4.85		30722	34063
4.89		5983	3311
4.907		118639	95067
4.94		128659	88426
4.965		814085	653037
5.015		106914	91994
5.05		90866	73143
5.081		57941	48097
5.112		427128	297834
5.134		283984	239651
5.207		35216	33537
5.272		1958	1144
5.348		13008	10380
5.39		343520	352395
5.496		2945	3263
5.548		51842	51869
5.594		16504	11628
5.617		43689	32971
5.666		20789	17817
5.772		22439	19978
5.861		3399	4378
5.972		52267	45145
6.003		2622	2138
6.097		9259	8154
6.132	DCB	4580828	4289372
6.3		11612	15729
6.566		1142	553
6.589		5498	10428
6.819		1247	727
6.974		875	2114

AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082

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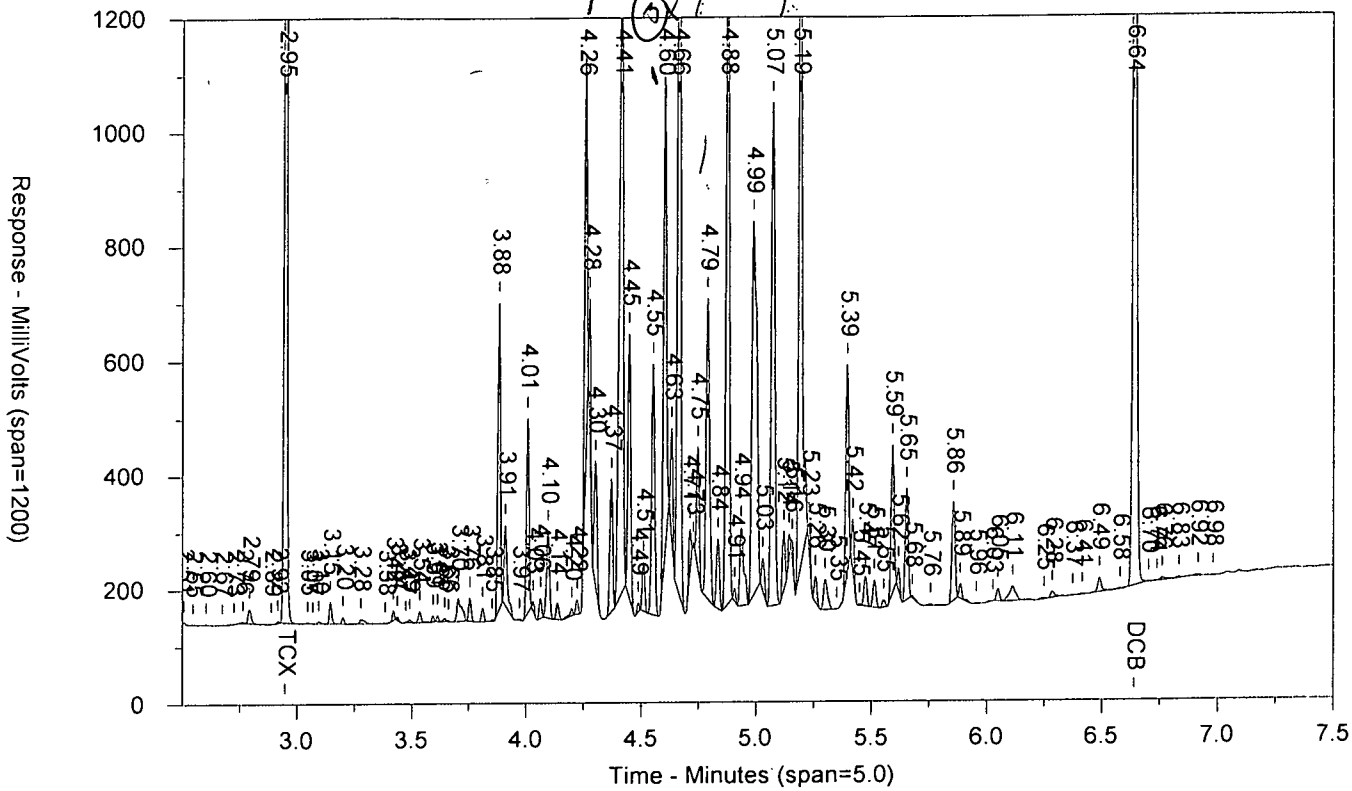

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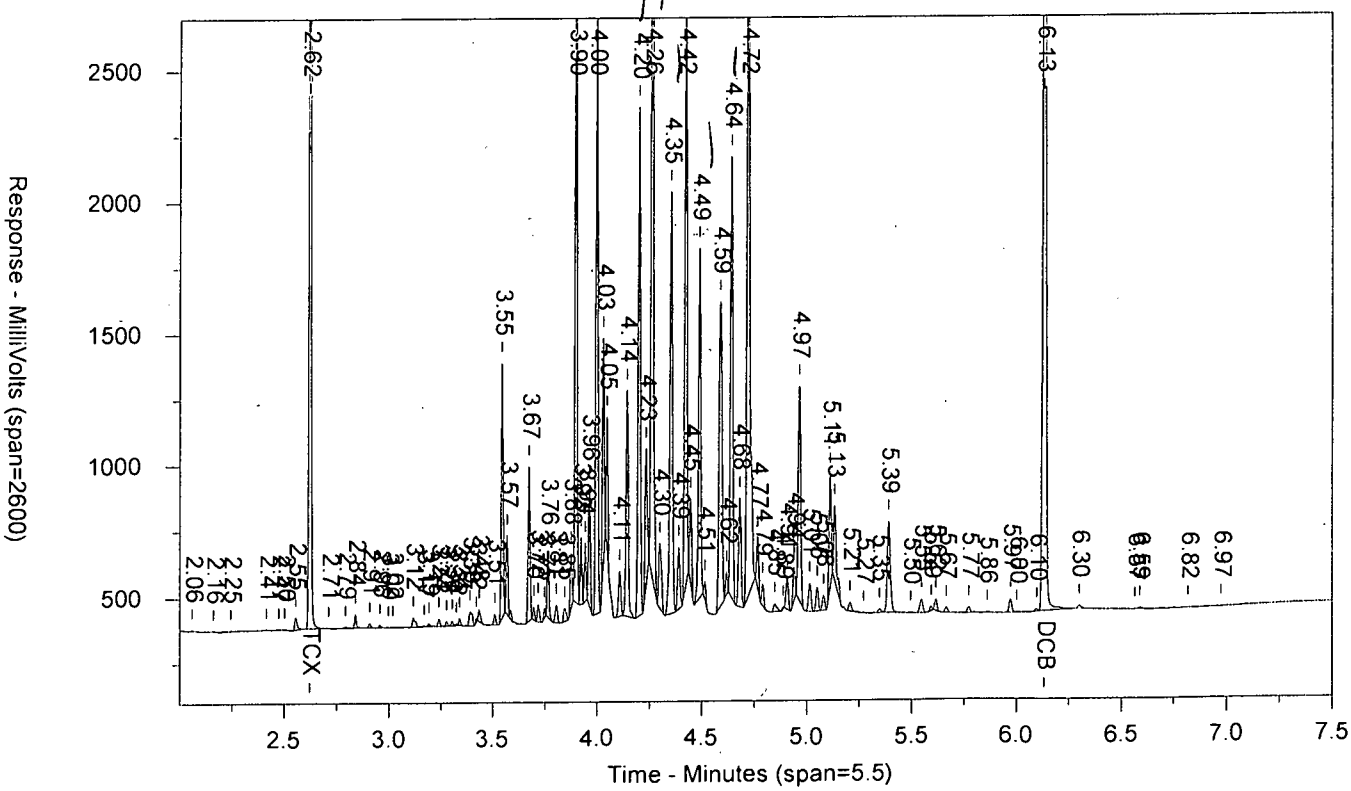

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:05:29 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	2795447	20	TCX	2.621	3865338	20.298	TCX
6.639	1996524	20.029	DCB	6.132	4580828	19.432	DCB

Files:
Area File: 25pcbs17116001.019.RAW
Area File: 25pcbs17116001B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:13:59 PM
File Reported On: 4/26/2017 at 5:14:09 PM

AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082

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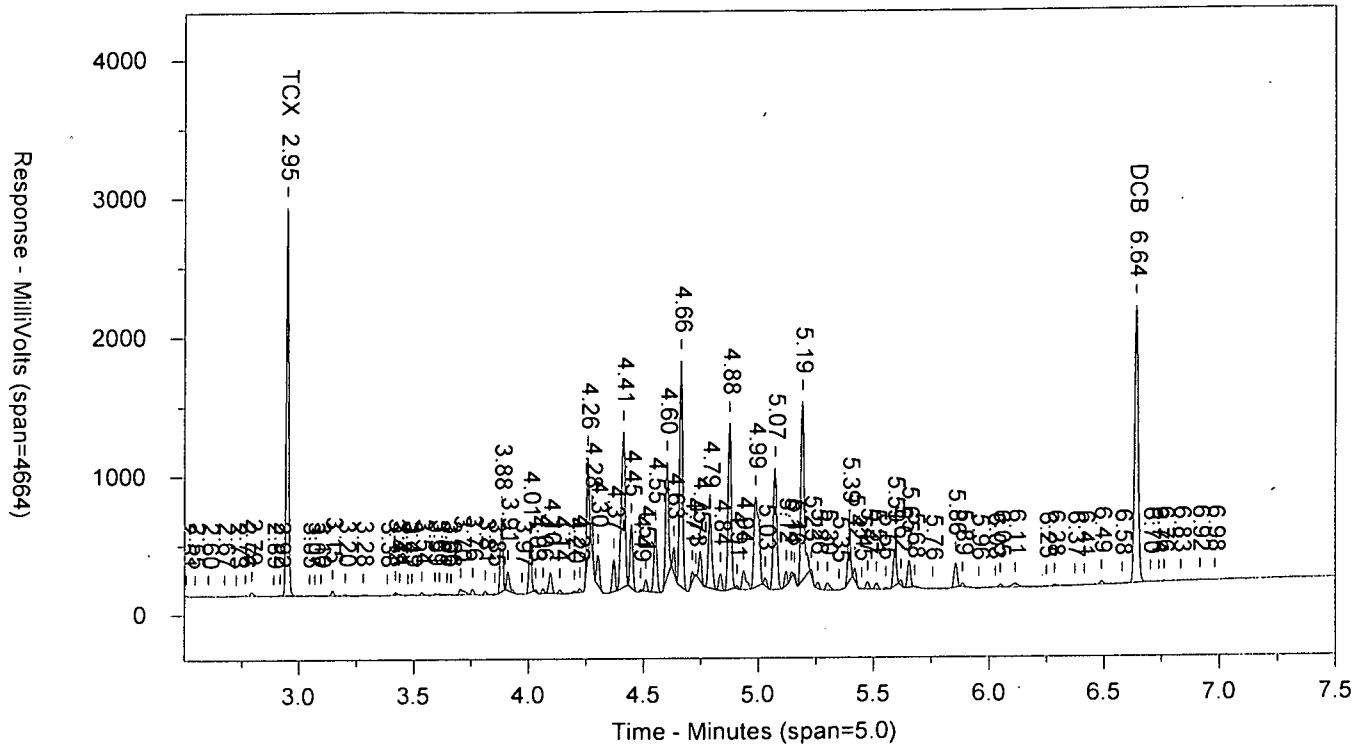

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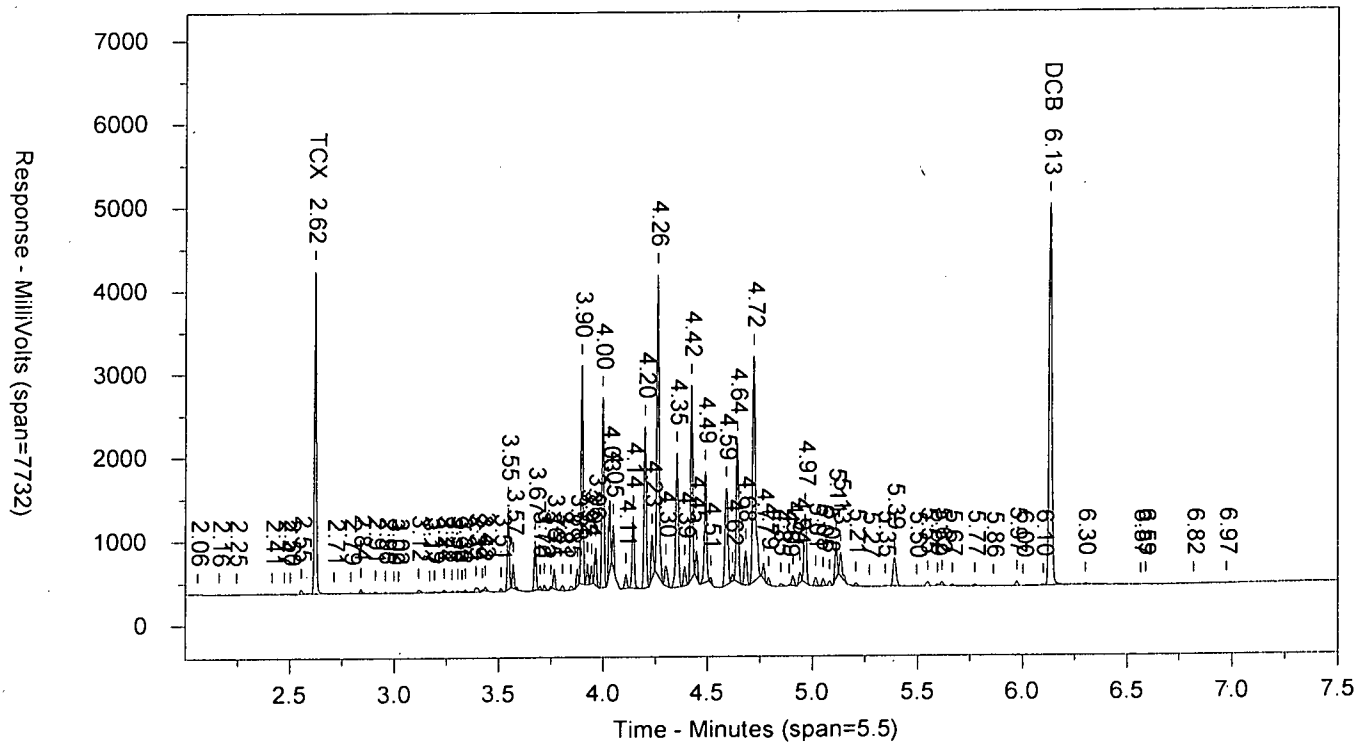

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:16:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		946	910
2.044		7944	7968
2.096		3100	4397
2.174		2485	3562
2.239		24964	19892
2.34		35371	35249
2.444		798	815
2.504		4696	6032
2.543		1346	1101
2.577		545	346
2.601		2214	1583
2.669		660	711
2.718		688	591
2.759		2778	4044
2.791		18931	17814
2.89		494	418
2.915		2270	1497
2.945	TCX	5710501	3990805
3.043		2509	1967
3.063		1045	757
3.092		7082	6911
3.143		74135	53679
3.198		22415	16291
3.275		14772	17725
3.416		34601	21164
3.432		11055	6793
3.469		1404	743
3.486		9123	6846
3.531		35716	28817
3.588		20246	12318
3.608		18945	11954
3.641		8099	5357
3.657		2762	1322
3.699		35213	20518
3.712		13979	13290
3.749		79421	62944
3.806		46161	35934
3.848		6787	4464
3.877		988051	759708
3.904		247822	226912
4.001		649858	502719
4.026		37033	20156
4.057		65635	49000
4.091		279605	261732
4.131		57633	48499
4.178		4772	6172
4.193		9567	5193
4.216		56244	40849
4.252		1411910	985465
4.27		437250	248014
4.296		424305	352183
4.365		429262	366268
4.407		2293835	2519216
4.442		847009	711772

RT A	Compound A	Height A	Area A
4.482		31815	21036
4.504		153112	125555
4.546		830512	768918
4.596		1668932	1433108
4.627		351824	236191
4.657		3269799	2883894
4.707		132001	98719
4.722		24791	8630
4.741		381891	301648
4.783		963052	1023229
4.828		223269	201494
4.869		2410578	2231513
4.901		43870	27885
4.93		245912	314696
4.982		1263544	1976580
5.032		29927	20767
5.066		1738884	1863016
5.114		187327	149437
5.139		159110	234978
5.186		2571101	3085665
5.252		79231	65243
5.295		100167	123383
5.39		714781	612235
5.413		164791	116755
5.445		4888	2477
5.469		98453	90350
5.508		88944	85515
5.548		25507	22830
5.586		503946	450050
5.612		61997	42727
5.647		344382	331530
5.673		5709	6066
5.748		2195	2283
5.851		331604	309640
5.88		52532	39438
5.949		2015	2141
6.02		650	896
6.044		42236	40153
6.108		49453	87646
6.236		2845	5102
6.279		21402	21552
6.319		1064	835
6.367		1173	1473
6.411		2072	2406
6.455		694	662
6.484		46157	50492
6.562		647	435
6.633	DCB	3943110	4160819
6.695		1307	1109
6.735		763	732
6.768		2625	3671
6.83		2125	3729
6.891		332	1255
6.908		2241	2831
6.963		701	185
6.983		708	353

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:16:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9648	8906
2.161		3869	5890
2.214		1686	2196
2.278		1262	1181
2.308		936	553
2.393		1466	859
2.417		2613	2454
2.498		2869	4959
2.54		1547	688
2.554		33774	27096
2.621	TCX	7723379	4769743
2.709		1759	2147
2.794		9992	8100
2.84		96968	61188
2.907		33027	21693
2.956		20394	12688
3.018		4409	4362
3.115		67124	67082
3.166		4284	2479
3.19		17141	11545
3.213		2827	1498
3.238		56840	39147
3.275		36658	22120
3.302		37599	20234
3.322		11865	5652
3.338		23214	13073
3.388		99593	104491
3.418		30314	13590
3.432		82073	59833
3.507		77614	52237
3.542		1883729	1145774
3.565		545029	311147
3.583		53426	24337
3.67		1133011	725707
3.693		88618	47567
3.714		120721	82751
3.743		67705	33304
3.76		449437	271435
3.801		118075	88930
3.841		90745	81326
3.871		396014	230331
3.894		5187131	3335942
3.919		476697	267360
3.939		402302	226894
3.958		791860	497893
3.993		4559108	3047252
4.025		1645232	1012064
4.042		961105	518877
4.104		319588	232333
4.139		1661403	1215255
4.195		3898232	2685964
4.228		986523	729496
4.256		7197296	5110851
4.295		433468	422555

RT B	Compound B	Height B	Area B
4.348		3175556	2589566
4.385		435687	334681
4.417		4670518	3304750
4.442		603967	394232
4.484		2529463	1908573
4.51		135128	78807
4.584		2451778	2351848
4.636		3635116	2743564
4.676		775003	653360
4.715		5530995	5108664
4.762		359464	228972
4.785		141394	96593
4.845		58744	66378
4.903		244039	224992
4.936		244445	165838
4.96		1583960	1262723
5.011		195819	165485
5.046		163277	132872
5.076		107670	91536
5.108		848319	603882
5.129		524877	451622
5.202		63493	57638
5.263		2301	1708
5.32		2016	1109
5.344		26231	22103
5.386		663618	660797
5.487		3968	4668
5.544		87934	84121
5.59		31043	22270
5.612		77582	59710
5.661		42192	36226
5.708		1315	930
5.768		42822	35381
5.804		2699	2442
5.863		3985	5535
5.918		2052	2102
5.968		98330	81886
5.998		4176	2784
6.021		1569	859
6.091		2124	1250
6.128	DCB	9280373	8317477
6.303		4406	6105
6.44		2201	4906
6.515		2058	2989
6.582		10089	14235
6.758		1242	908
6.793		1041	783
6.869		1061	1059
6.981		838	773

AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082

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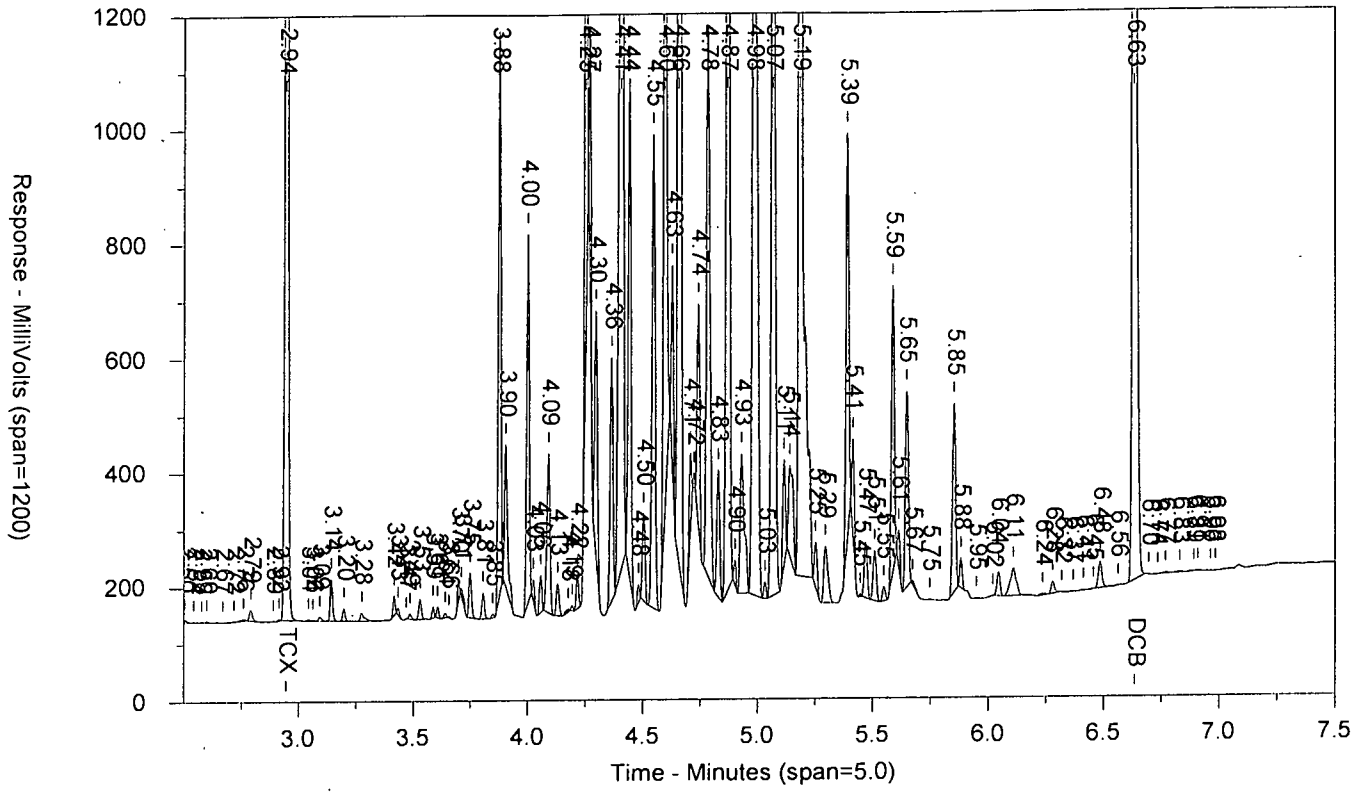

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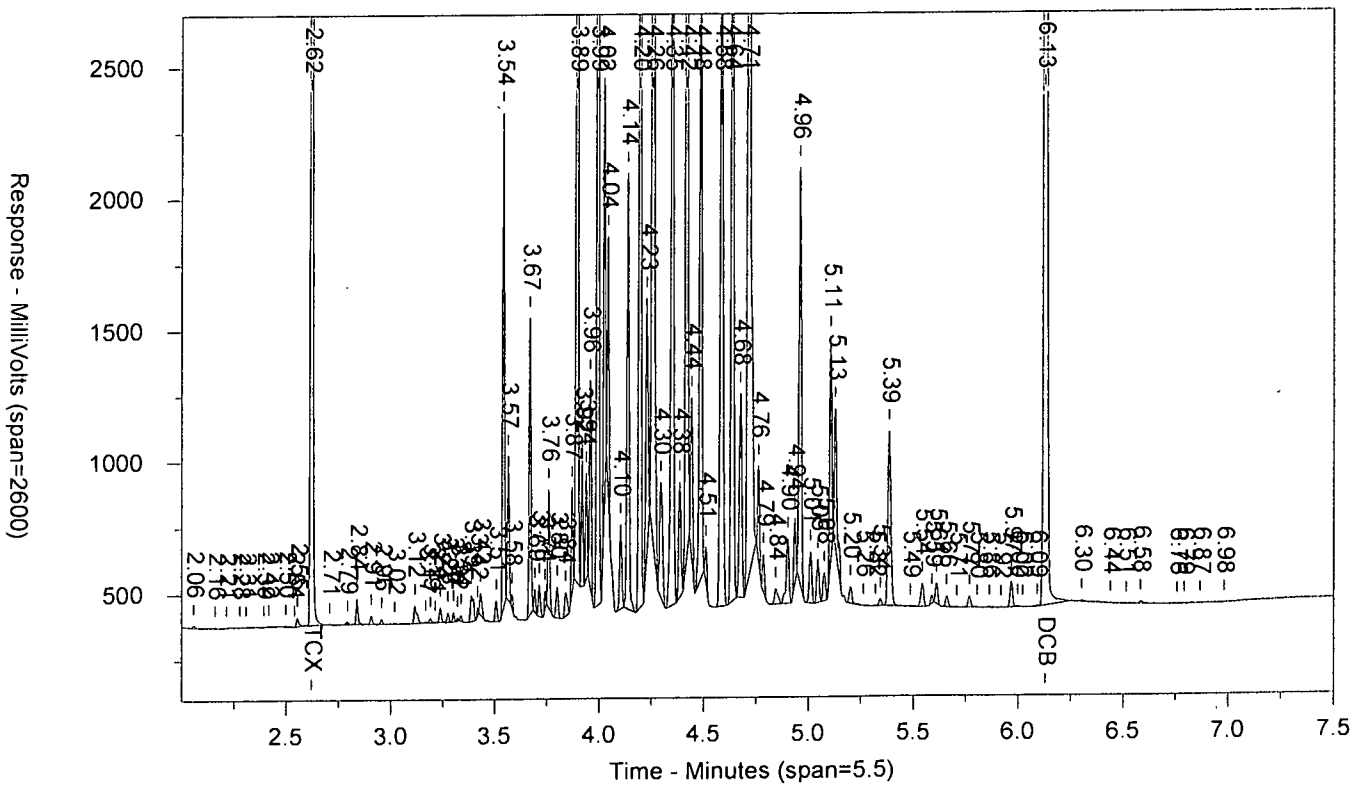

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:16:46 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5710501	40.855	TCX	2.621	7723379	40.558	TCX
6.633	3943110	39.556	DCB	6.128	9280373	39.369	DCB

Files:
Area File: 25pcbs17116001.020.RAW
Area File: 25pcbs17116001B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:25:17 PM
File Reported On: 4/26/2017 at 5:25:28 PM

AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082

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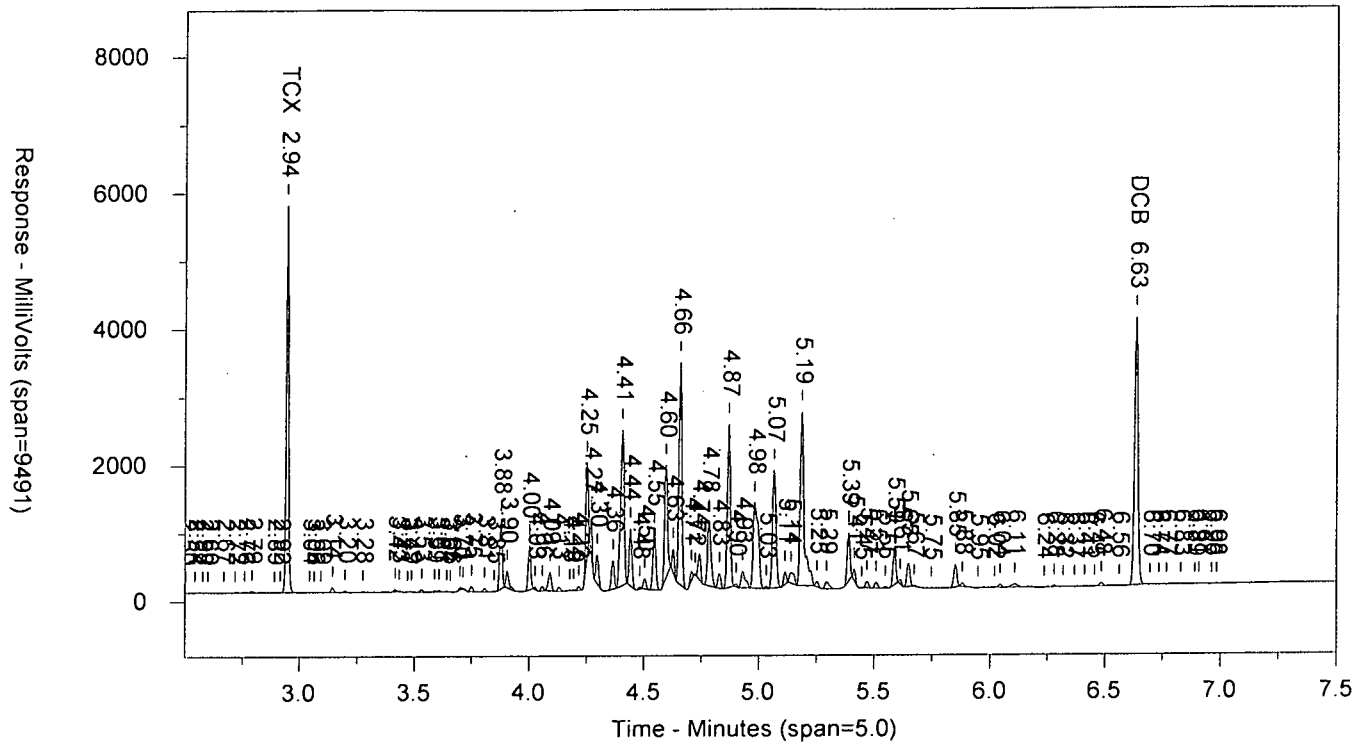

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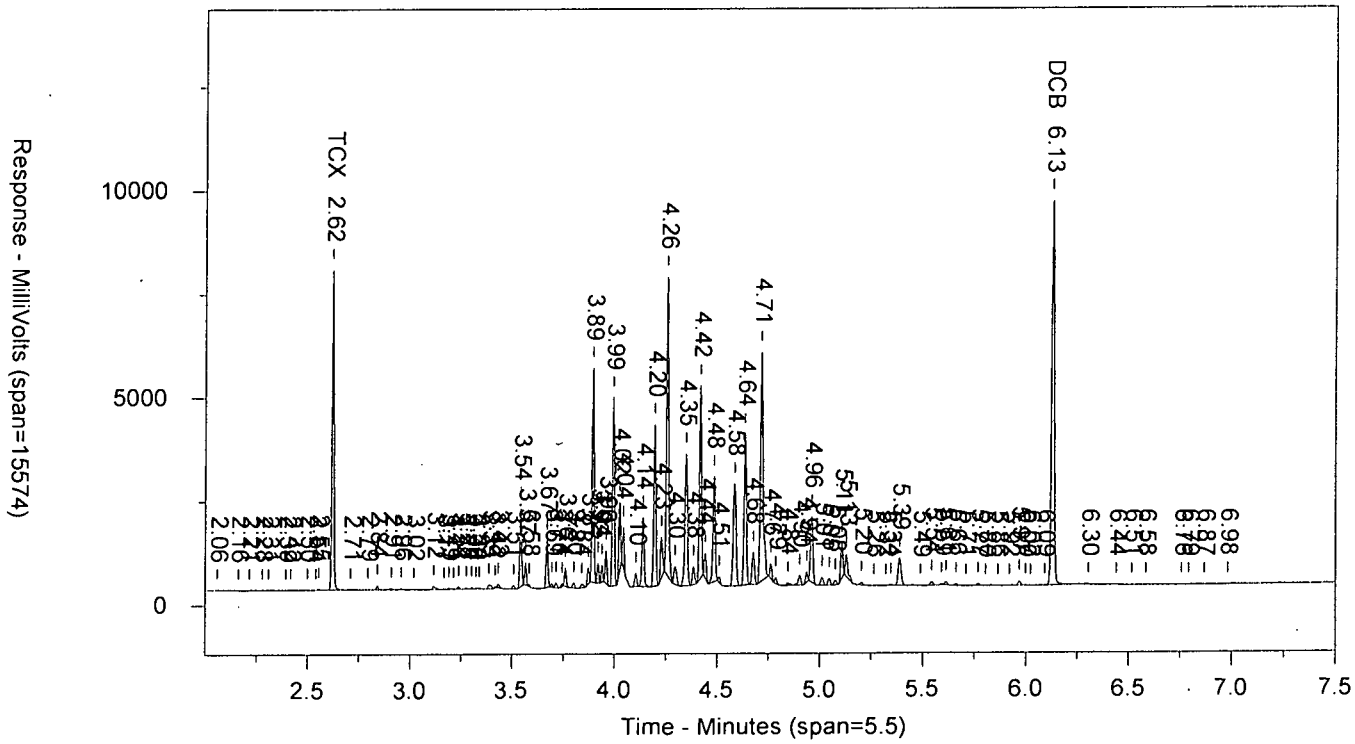

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:28:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		959	866
2.044		13085	12808
2.093		2269	3248
2.146		1623	1977
2.171		1378	1612
2.239		48093	37266
2.341		34254	40434
2.442		897	1018
2.504		7965	8732
2.547		1269	1027
2.578		856	485
2.6		1584	1039
2.64		496	309
2.666		764	702
2.759		3049	4576
2.791		15512	13913
2.915		4269	2904
2.945	TCX	11351310	7902222
3.043		4273	2744
3.063		1391	890
3.093		13196	12044
3.143		142717	102709
3.197		42328	31043
3.275		22005	13471
3.338		602	294
3.416		66800	40738
3.433		20951	12276
3.471		2867	1382
3.486		16534	12292
3.531		69558	54562
3.589		37446	22967
3.608		36992	22646
3.643		15527	10047
3.658		5224	2664
3.701		57602	32033
3.713		29022	25864
3.75		154958	119278
3.807		87073	68373
3.849		12865	8302
3.878		1923006	1438120
3.905		445186	417723
4.002		1208879	934480
4.027		60525	33116
4.058		123232	92241
4.091		519788	485380
4.132		110757	93999
4.179		13495	16024
4.195		6466	2961
4.218		108432	78033
4.254		2700546	1905274
4.271		957383	514085
4.297		780347	654422
4.367		825602	673406
4.409		4381222	4859338

RT A	Compound A	Height A	Area A
4.443		1605439	1339689
4.484		61744	40180
4.505		274423	225489
4.548		1634180	1440552
4.598		3298215	2816863
4.629		717271	467380
4.659		6021111	5556252
4.709		269893	191909
4.724		40773	14123
4.743		724118	575261
4.785		1957356	1942091
4.83		399774	368278
4.871		4552584	4334361
4.904		77269	49274
4.932		452906	563334
4.984		2451185	3749559
5.035		52997	38009
5.068		3642189	3637267
5.116		359390	279950
5.141		100487	79790
5.152		89788	46440
5.187		4660141	4076735
5.208		170942	87257
5.254		146614	119914
5.297		182660	227911
5.391		1318448	1141808
5.414		258839	190535
5.446		9655	4875
5.471		173158	160299
5.51		159297	155484
5.55		51132	44559
5.588		923339	854310
5.613		116725	79214
5.649		676732	735774
5.748		3321	4349
5.803		1302	1272
5.853		586541	558749
5.883		88579	83340
5.951		2859	2855
6.045		81216	96656
6.109		92015	165864
6.232		1869	3103
6.279		37491	41745
6.319		1512	1538
6.365		592	180
6.411		3078	3471
6.457		886	718
6.485		82695	88205
6.57		836	941
6.634	DCB	7859145	8088168
6.727		1693	778
6.767		3234	6172
6.827		3801	6127
6.87		533	176
6.886		1134	813
6.908		2641	3208
6.985		910	566

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:28:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		18069	15322
2.162		4975	8520
2.213		3018	4270
2.282		1252	1481
2.303		1668	1455
2.395		1109	1118
2.486		1180	1738
2.502		3560	6754
2.554		27583	27642
2.62	TCX	15448340	9489674
2.793		19567	14860
2.818		1496	731
2.839		177978	111400
2.906		60144	39418
2.956		37761	21607
2.996		919	571
3.019		8401	5068
3.08		1508	1270
3.115		120828	119995
3.167		9411	5250
3.189		31935	21271
3.214		5080	2909
3.239		102133	73061
3.275		66894	41467
3.302		67517	38494
3.322		25233	12298
3.338		30213	16399
3.388		175502	187396
3.418		51475	24440
3.432		149363	111515
3.507		141475	93966
3.542		3679912	2217566
3.566		1045315	663382
3.67		2119682	1341540
3.694		158279	85241
3.715		206561	143621
3.744		123077	61071
3.76		832546	509511
3.801		208249	161376
3.842		162760	146037
3.872		732816	438065
3.894		10134890	6525132
3.92		932027	517338
3.94		746823	413504
3.959		1521846	932319
3.994		8830456	5916243
4.026		3308222	2025967
4.044		1958102	1009677
4.105		582413	419554
4.139		3272794	2343252
4.196		7354041	5266429
4.23		2019316	1431115
4.257		13867230	10154360
4.296		817876	799466

RT B	Compound B	Height B	Area B
4.349		6135689	5062812
4.386		873776	646800
4.418		9646209	6620412
4.443		1149719	749805
4.485		4765321	3613107
4.511		240028	146019
4.586		4750742	4537846
4.638		6959701	5446889
4.678		1464036	1227648
4.717		10858040	10005240
4.763		688602	443187
4.787		256033	177689
4.847		103202	117812
4.887		16803	9775
4.905		429290	322123
4.938		455441	307543
4.961		3266389	2476609
5.012		354913	307739
5.047		299700	245283
5.077		190326	155082
5.109		1665732	1206309
5.131		1097249	899464
5.172		26241	14792
5.204		115599	104462
5.268		4590	4374
5.322		3640	2182
5.346		51288	41086
5.387		1226052	1264629
5.488		5113	5404
5.546		148846	137069
5.592		54110	39321
5.614		141172	110182
5.663		77102	65374
5.77		75373	63723
5.801		4583	3769
5.863		2098	2029
5.917		2937	2334
5.969		165708	144831
6		4931	2999
6.02		2141	1529
6.091		3388	2325
6.128	DCB	18378780	16045520
6.311		6811	6346
6.444		1637	1399
6.563		1304	590
6.585		17009	20282
6.757		2507	2100
6.847		1143	1216
6.868		1217	1320
6.907		952	1218

AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082

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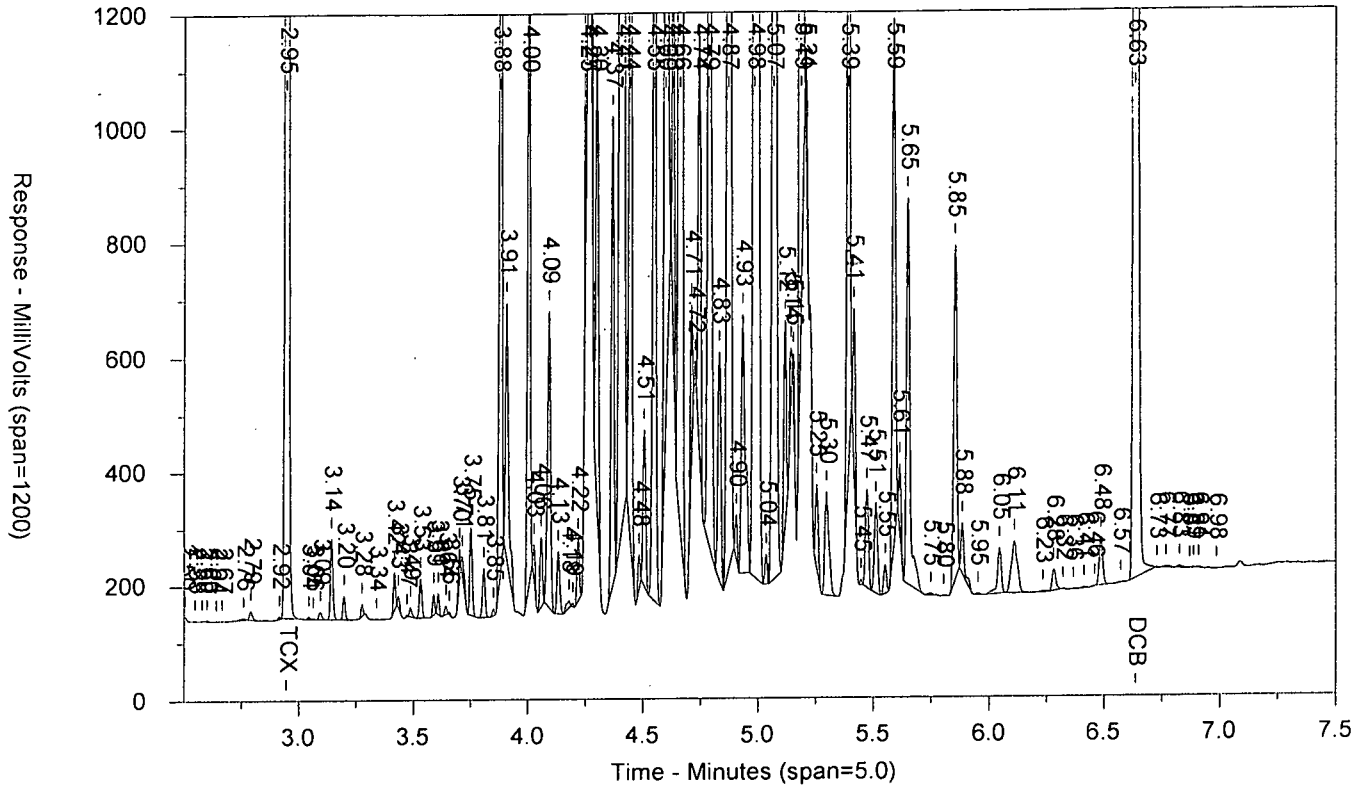

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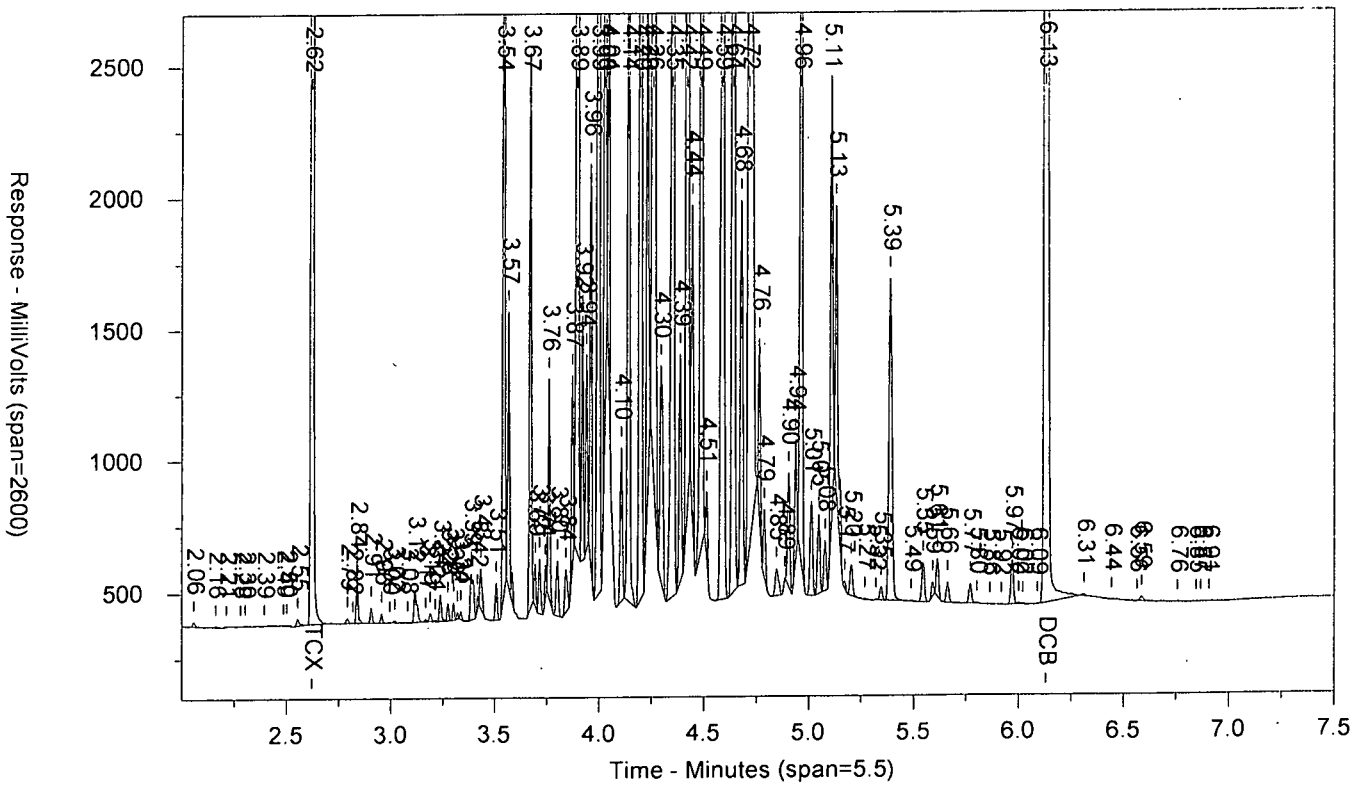

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:28:06 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	11351310	81.212	TCX	2.62	15448340	81.124	TCX
6.634	7859145	78.841	DCB	6.128	18378780	77.965	DCB

Files:
Area File: 25pcbs17116001.021.RAW
Area File: 25pcbs17116001B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:36:37 PM
File Reported On: 4/26/2017 at 5:36:44 PM

AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082

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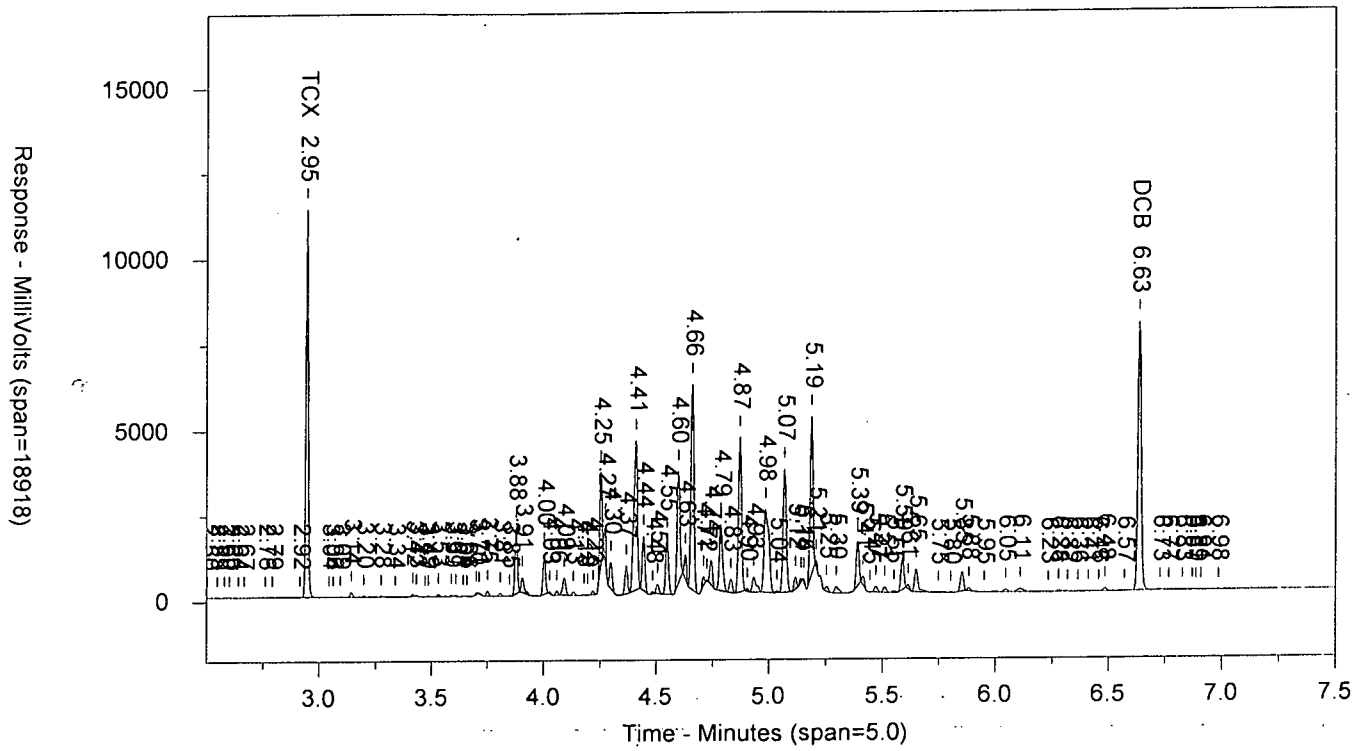

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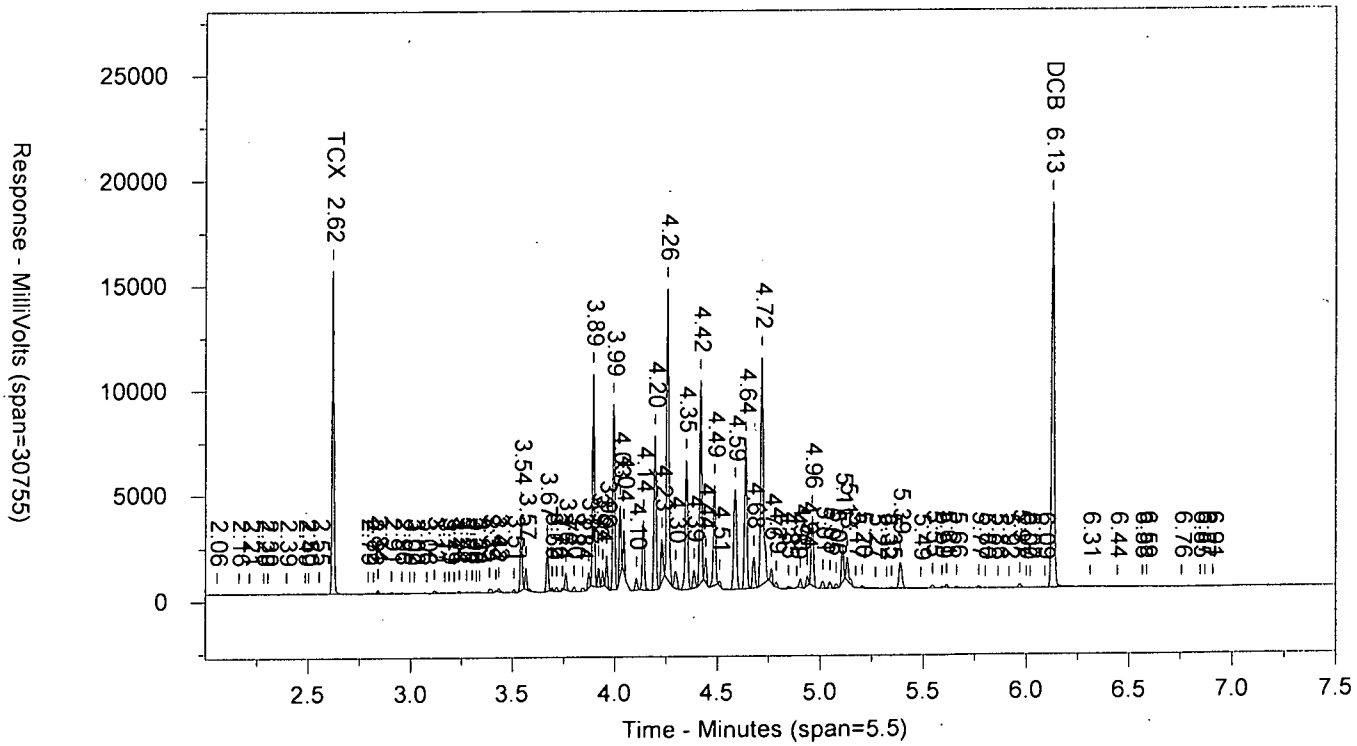

LANCASTER LABORATORIES

Sample Number: AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:39:25 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.012		1180	1050
2.045		11793	11933
2.093		3187	13168
2.178		2969	4591
2.209		665	2325
2.304		316	180
2.34		18912	13120
2.37		681	1839
2.45		674	483
2.504		6348	7761
2.545		1616	1741
2.645		311	200
2.693		269	129
2.718		1073	998
2.76		2278	2924
2.791		8915	8177
2.89		884	987
2.915		4731	4084
2.941	TCX	1116	1192
2.982		1476	973
3.043		631	529
3.066		738	424
3.095		2044	2538
3.15		3329	2561
3.198		14928	11094
3.237		436	281
3.29		5318	7398
3.381		391	205
3.416		15943	9700
3.433		7232	3899
3.471		1256	780
3.486		1491	1818
3.531		20103	16846
3.608		2861	1782
3.641		5101	4730
3.657		1531	857
3.7		18283	11670
3.712		14823	6907
3.75		25426	20179
3.807		21570	16916
3.848		1591	1116
3.878		24140	18173
3.914		17122	21847
3.965		2157	1819
4.002		18683	14226
4.026		4486	2869
4.058		5451	4002
4.091		17783	19206
4.132		4621	3510
4.195		14281	10972
4.218		3280	1851
4.254		140798	139271
4.297		21621	26937
4.366		16474	20006

RT A	Compound A	Height A	Area A
4.409		166398	164684
4.443		14451	10759
4.482		553	246
4.504		4639	4002
4.545		44763	43063
4.615		138772	165318
4.659		88594	77805
4.709		458334	486021
4.745		74015	52674
4.784		775578	739755
4.828		12553	10723
4.869		63616	63941
4.905		5526	3901
4.931		106491	97683
4.983		889828	1024757
5.035		407783	398512
5.074		382549	498102
5.153		49918	45439
5.187		811254	846677
5.23		13213	6917
5.254		1178901	1157305
5.297		538481	526804
5.387		218597	173378
5.415		1015100	1041650
5.471		444023	411003
5.506		183253	220723
5.555		43879	49772
5.594		182132	195525
5.649		2616967	2730606
5.794		1022	911
5.853		1605369	1544002
5.909		735876	1130969
6.016		1037	2522
6.045		79352	80780
6.122		381215	482570
6.194		589	543
6.234		1129	1558
6.279		949964	972468
6.325		57592	56191
6.358		803	941
6.409		905	1054
6.482		374415	396070
6.569		1460	2212
6.613		224	603
6.634	DCB	12696	14014
6.694		2440	2544
6.738		678	840
6.783		1907	3295
6.834		2183	3618
6.872		753	491
6.911		3148	5280
6.947		799	379
6.977		884	230
6.989		383	187

LANCASTER LABORATORIES

Sample Number: AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:39:25 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.12		829	600
2.212		3478	4437
2.277		1456	2267
2.397		823	458
2.414		2228	1439
2.501		9522	15040
2.525		4065	2203
2.554		16717	29630
2.665		1910	2219
2.718		1749	3091
2.792		3418	7434
2.856		5140	5460
2.907		21330	13007
2.964		945	721
2.997		1339	857
3.019		3451	2361
3.05		1190	1352
3.115		32817	31718
3.168		3286	3132
3.194		4597	3475
3.214		2103	1189
3.238		30895	20956
3.276		5458	5266
3.322		7050	3409
3.338		26791	16075
3.398		60256	62760
3.432		38343	35355
3.463		3761	2538
3.507		37246	24561
3.543		41712	25400
3.567		45370	32481
3.6		4612	2683
3.671		30968	20803
3.694		24198	20464
3.744		20334	38073
3.761		25270	15438
3.801		11618	9365
3.847		15231	15271
3.875		13976	8554
3.894		253345	175945
3.92		31190	18398
3.942		5694	2937
3.961		57333	40684
3.994		293720	206047
4.028		35369	22890
4.044		14992	10971
4.095		9515	11175
4.13		51965	61340
4.17		2948	1682
4.195		63852	40605
4.239		208010	137559
4.271		890422	675270
4.298		228908	235761
4.349		1595405	1225232

RT B	Compound B	Height B	Area B
4.389		26236	23568
4.419		60316	40439
4.443		230254	175965
4.486		1765175	1404473
4.59		1763720	1530187
4.642		309349	255347
4.682		539061	440752
4.716		1182004	990323
4.749		2655234	2004225
4.787		1068301	851651
4.886		541439	453693
4.937		2625957	2253919
5.012		1051495	1042730
5.048		326260	254869
5.076		299340	236813
5.131		5495144	4670696
5.172		64017	46836
5.204		348736	290046
5.282		2368	1593
5.321		89663	59162
5.345		2066216	1730685
5.392		3586774	3608975
5.545		168698	158427
5.591		23973	16272
5.613		101972	81977
5.662		792197	699853
5.769		2059958	1739962
5.801		107150	78099
5.968		792752	717273
6.129	DCB	30571	26941
6.307		5441	5819
6.511		946	816
6.62		1402	1605
6.656		1659	1685
6.855		953	3134

AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082

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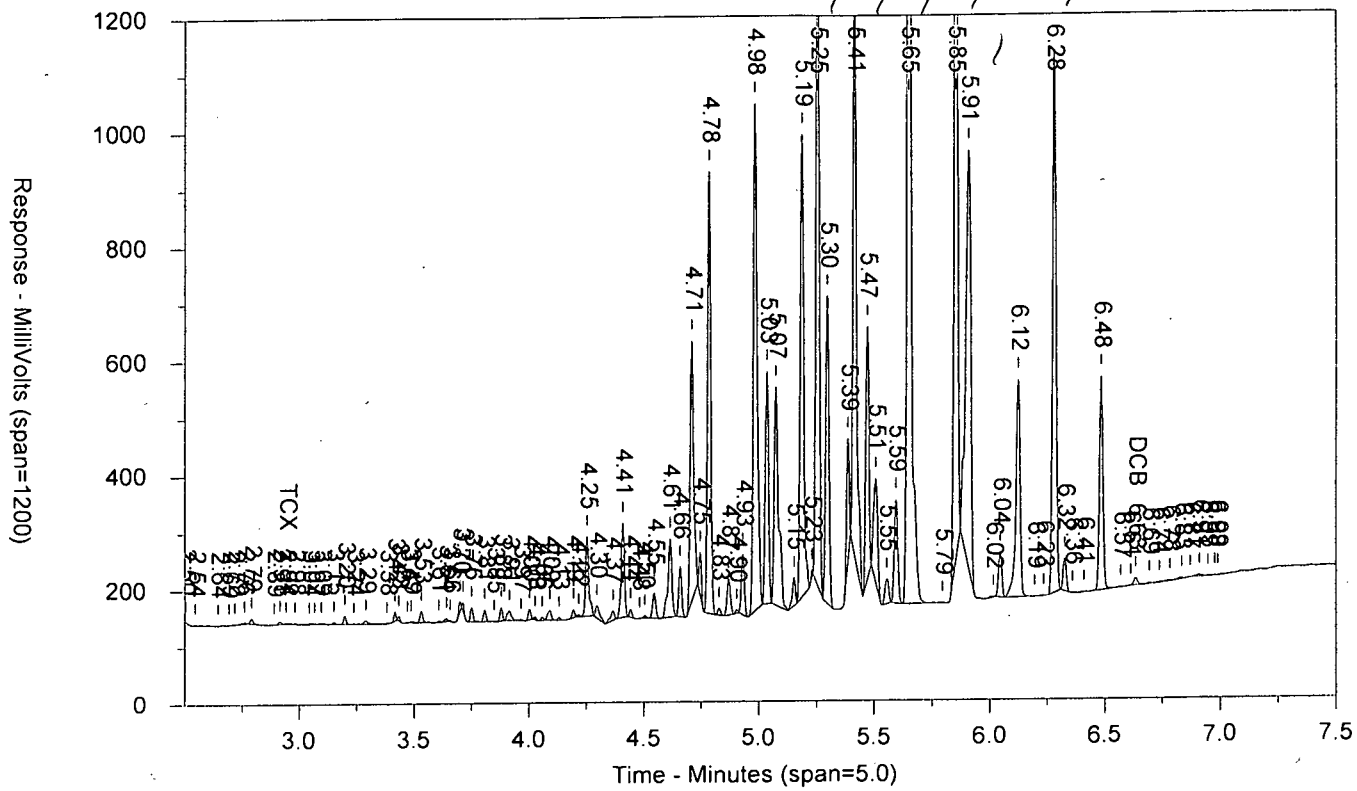

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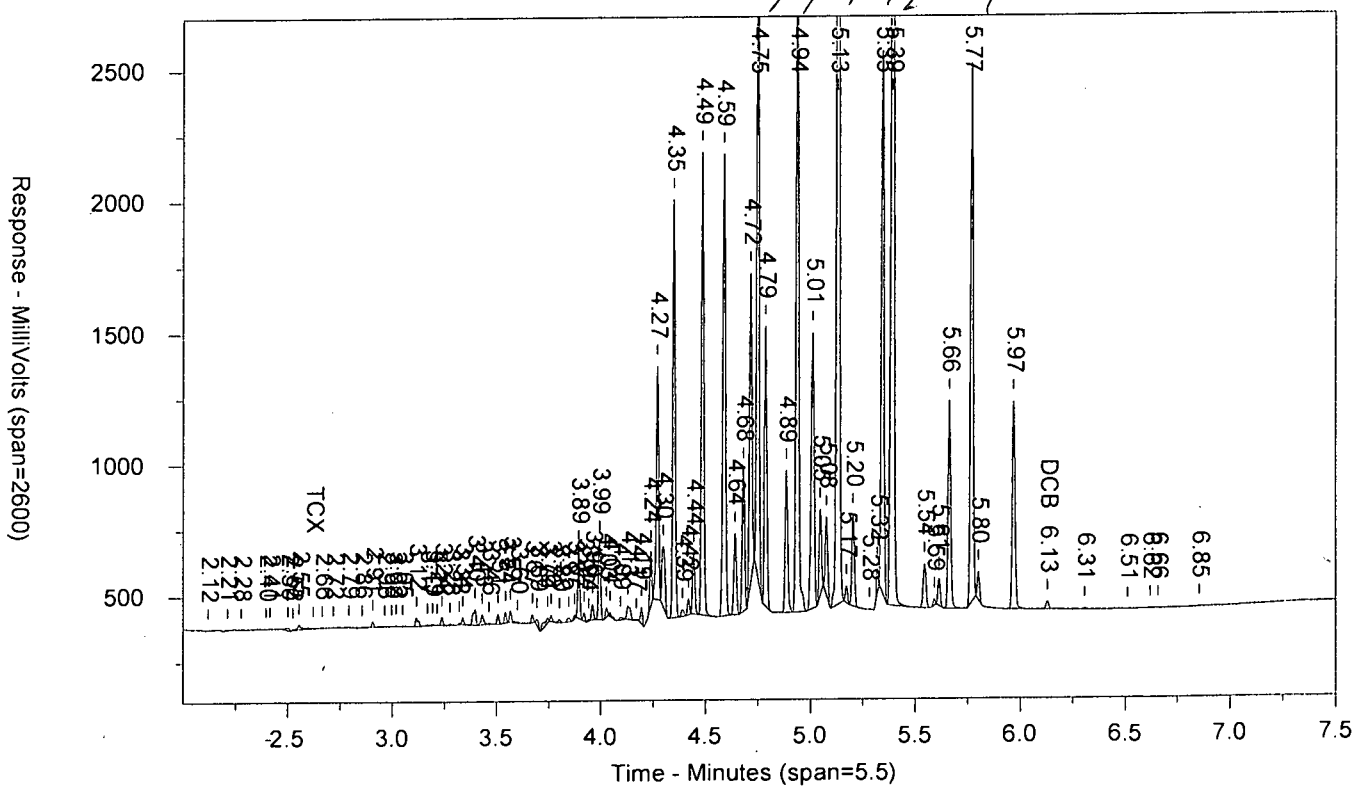

LANCASTER LABORATORIES

Sample Number: AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:39:25 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.941	1116	.008	TCX		0		TCX
6.634	12696	.127	DCB	6.129	30571	.13	DCB

Files:
Area File: 25pcbs17116001.022.RAW
Area File: 25pcbs17116001B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:47:57 PM
File Reported On: 4/26/2017 at 5:48:06 PM

AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082

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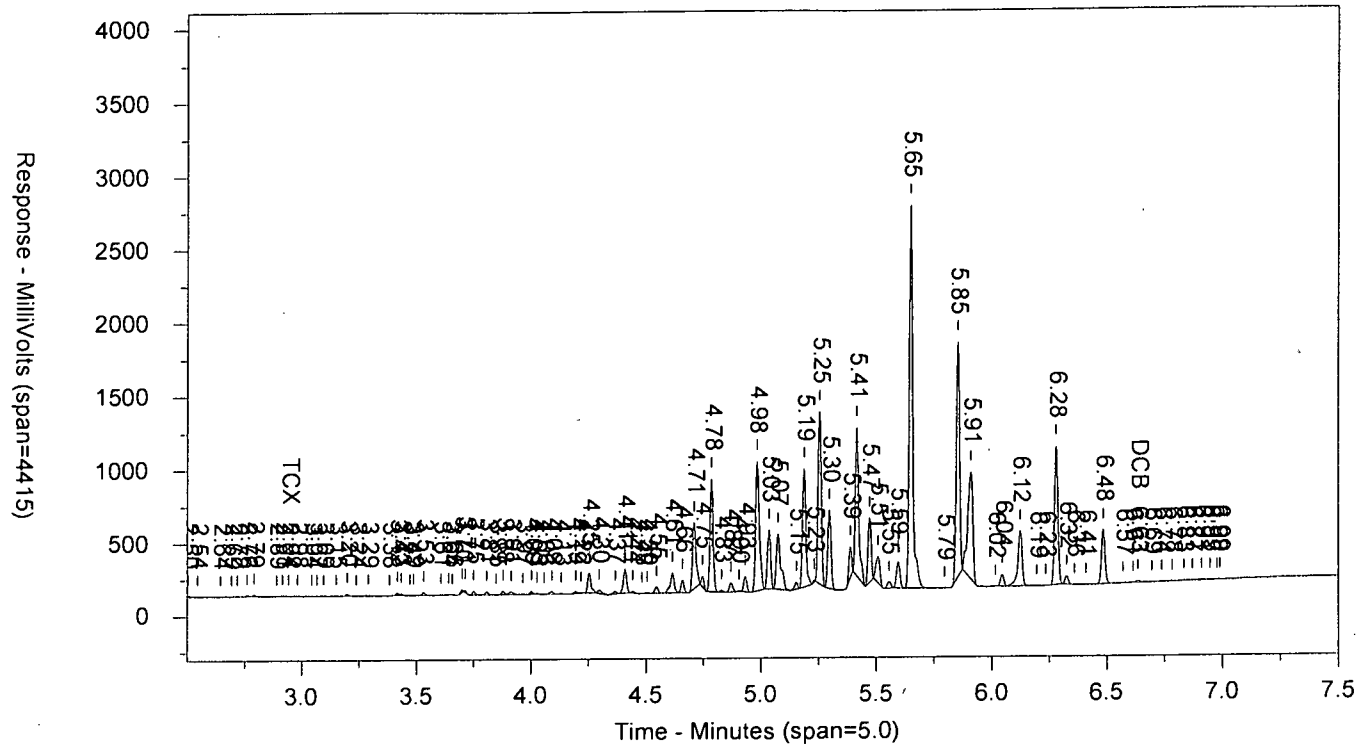

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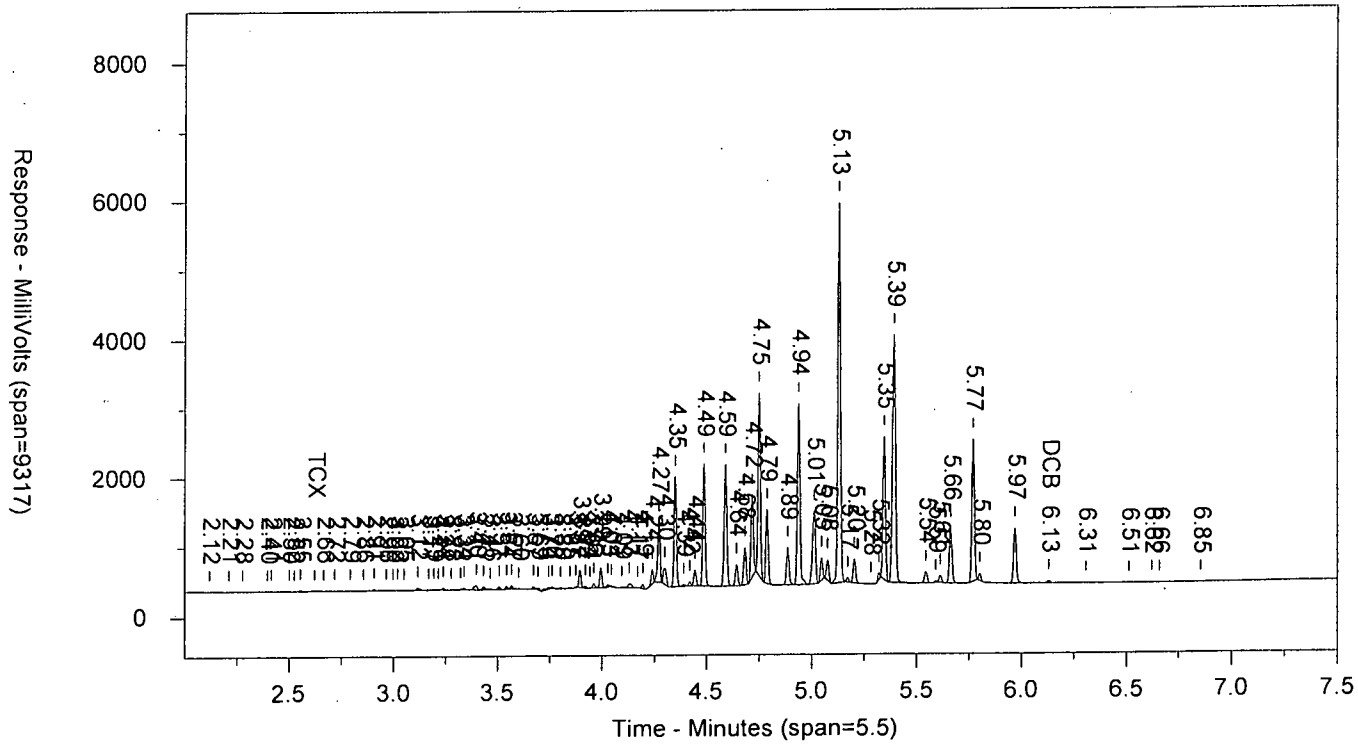

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:50:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		974	849
2.044		8526	8465
2.084		52022	72078
2.171		1877	2363
2.25		1328	1434
2.339		19328	13627
2.372		1549	1483
2.446		476	412
2.487		1311	731
2.505		2563	1549
2.544		3427	4377
2.599		751	436
2.719		801	683
2.762		3108	4128
2.791		12182	10810
2.887		933	1165
2.917		3414	3309
2.962	TCX	853	687
2.981		1267	841
3.044		848	934
3.066		1054	726
3.093		723	470
3.117		409	367
3.15		767	450
3.166		736	511
3.198		2033	1540
3.288		3032	4559
3.343		516	443
3.399		1238	679
3.417		2923	1690
3.434		1429	830
3.469		731	469
3.49		1369	1311
3.531		5206	4822
3.56		1011	789
3.611		621	231
3.635		2387	2488
3.698		16561	11448
3.751		7964	6289
3.779		919	520
3.807		6624	5612
3.835		469	260
3.851		757	427
3.878		7537	5805
3.913		4720	7278
3.948		478	284
3.966		1228	855
4.003		7881	5923
4.026		2707	1851
4.058		3229	2372
4.092		7849	7777
4.132		3289	2597
4.195		14802	13217
4.249		10050	10978

RT A	Compound A	Height A	Area A
4.272		9949	6350
4.297		16148	21447
4.362		3347	6939
4.399		9099	6846
4.42		3801	2461
4.446		1744	1267
4.503		3246	3823
4.544		23137	22672
4.6		8449	7625
4.629		1603	1023
4.66		9739	9399
4.709		4507	3754
4.741		6137	5544
4.785		9481	8764
4.828		16047	14898
4.87		13547	12776
4.907		27222	31869
4.983		11061	15549
5.035		44467	42998
5.068		9816	8767
5.093		2688	1803
5.147		10743	10357
5.187		20217	18497
5.227		17381	11749
5.254		468576	459147
5.297		42026	37019
5.388		31426	25874
5.436		588985	674935
5.472		5925	3254
5.498		184355	190542
5.551		28787	32922
5.594		6347	6201
5.649		251502	209587
5.673		138762	110316
5.75		1986	1954
5.789		462	280
5.816		461	210
5.854		2837533	2899510
5.911		2581956	2816218
6.045		2397956	2407823
6.109		623793	714310
6.238		681	1299
6.28		1016396	1060203
6.325		5078	3864
6.361		6194	7107
6.42		1203	2092
6.485		8346168	8349905
6.558		2042	1820
6.589		814	195
6.635	DCB	1583848	1692636
6.693		6814	6734
6.732		1488	1422
6.763		675	317
6.779		2736	2980
6.819		1084	551
6.832		1162	784
6.876		881	859
6.902		2022	2494
6.948		4138	4588

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:50:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.12		1746	2471
2.211		3755	3642
2.235		2317	2445
2.363		3345	2985
2.415		3045	3772
2.476		913	510
2.502		10381	7824
2.553		30060	69486
2.687		1117	2155
2.815		1679	3566
2.906		4089	8767
2.996		2112	2243
3.115		7260	7765
3.195		3481	4682
3.238		6929	4941
3.284		2956	4241
3.339		27355	18845
3.397		19285	22380
3.431		12322	13739
3.464		3359	2496
3.507		11570	8399
3.542		11657	7035
3.567		14826	9506
3.599		4093	2528
3.671		12347	7588
3.695		20761	18720
3.744		12106	34838
3.762		13970	8394
3.802		7539	5458
3.85		13854	11403
3.874		13547	10017
3.896		27726	17008
3.92		25410	16336
3.961		36851	32195
3.994		6072	3900
4.03		20320	14861
4.058		11368	6808
4.095		9455	9577
4.129		33766	29717
4.172		17269	35019
4.229		16094	25970
4.258		10098	5741
4.271		5664	2773
4.35		29987	28591
4.389		33914	24458
4.419		12094	8412
4.442		7972	4482
4.461		42304	29964
4.486		13896	8298
4.559		1038	1249
4.589		101020	85895
4.639		28596	24055
4.685		46899	45702
4.718		14482	11136

RT B	Compound B	Height B	Area B
4.749		961358	837342
4.788		70672	53657
4.887		74091	64257
4.937		1394346	1210034
5.003		389148	355015
5.064		9680	5768
5.082		35869	25351
5.131		587137	521013
5.205		392531	350498
5.285		3539	2817
5.322		48884	30254
5.346		6533992	5358782
5.394		6354480	5294100
5.545		5528465	4632010
5.613		1361341	1174482
5.663		160021	142760
5.769		2302684	2001710
5.893		13036	18262
5.968		19631940	16503600
6.13	DCB	3780704	3326205
6.307		17719	20160
6.469		10306	9575
6.862		1443	1273
6.938		1504	2634

AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082

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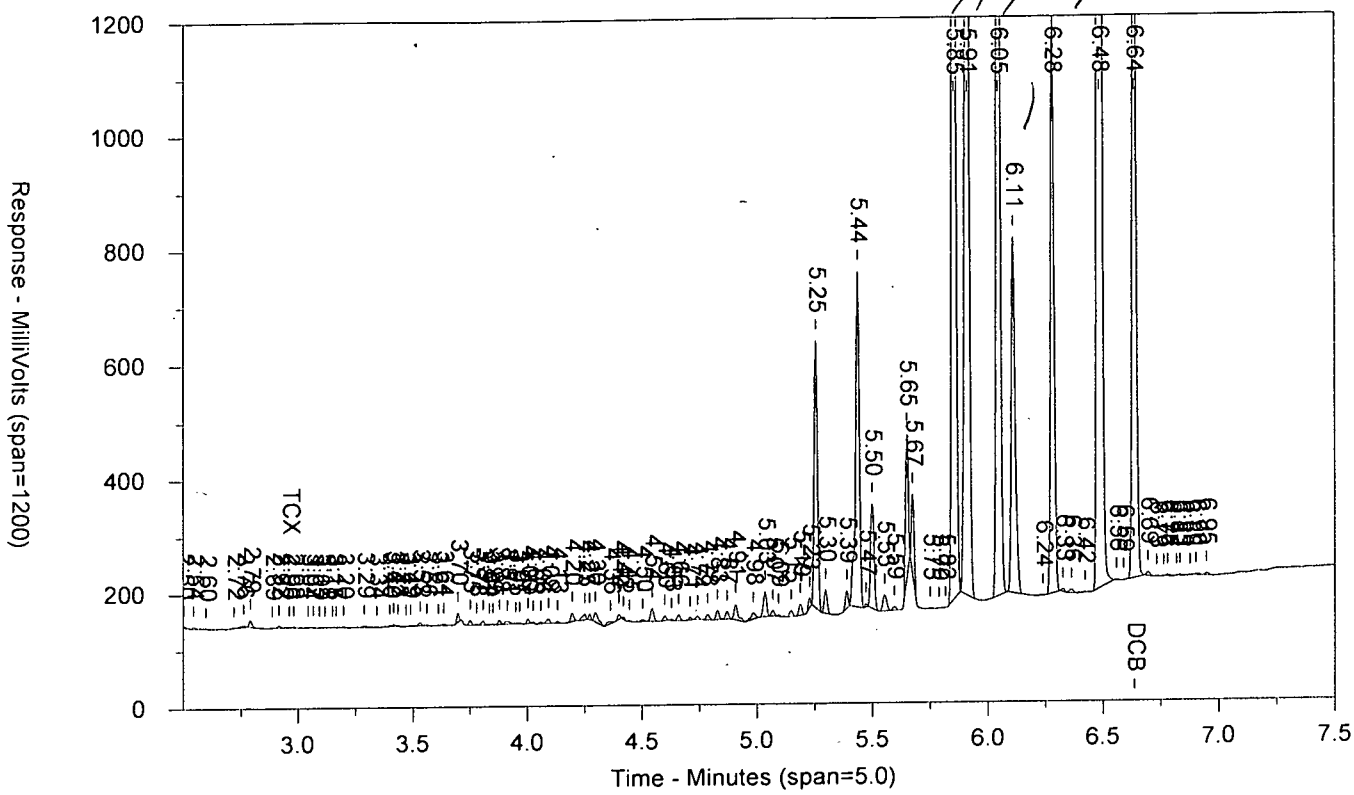

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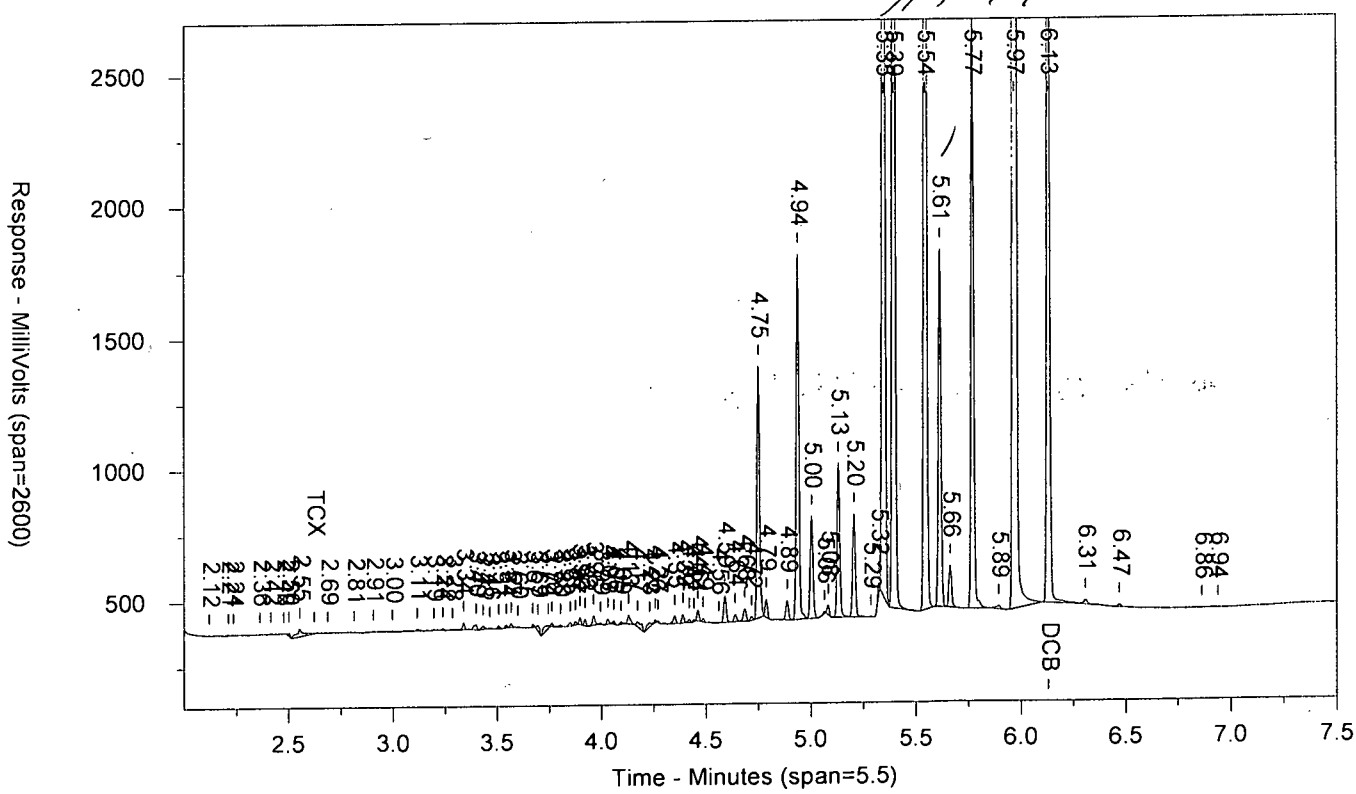

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:50:45 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.962	853	.006	TCX		0		TCX
6.635	1583848	15.889	DCB	6.13	3780704	16.038	DCB

Files:
Area File: 25pcbs17116001.023.RAW
Area File: 25pcbs17116001B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:59:17 PM
File Reported On: 4/26/2017 at 5:59:28 PM

AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082

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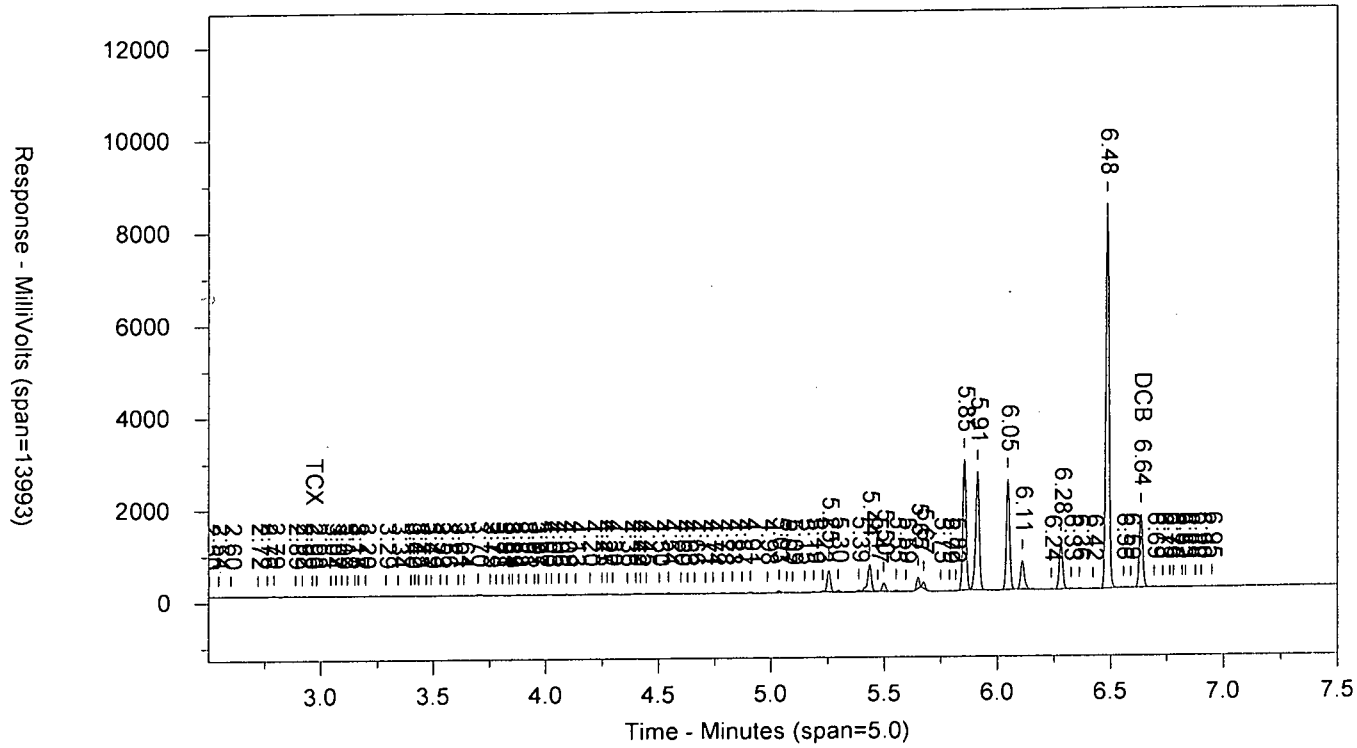

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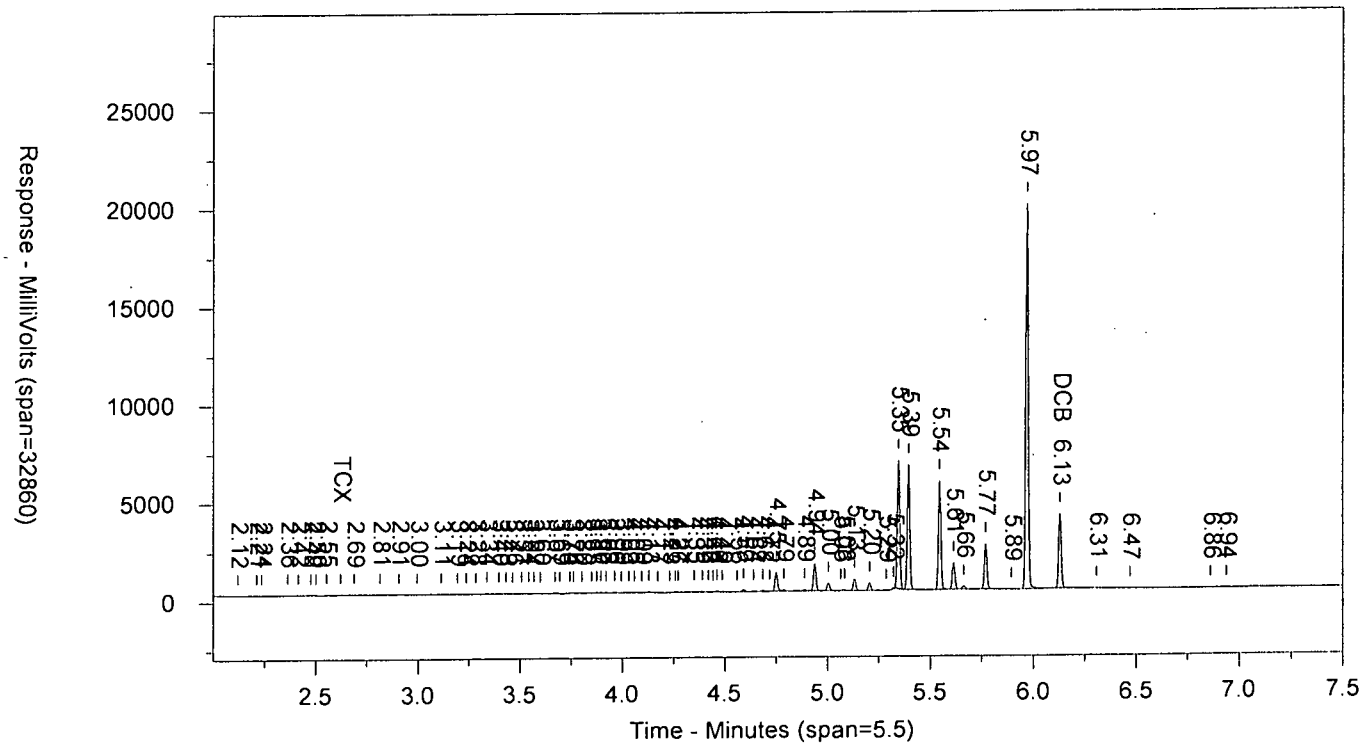

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:02:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.044		6779	8883
2.09		2668	3654
2.156		1465	4042
2.24		26897	21722
2.304		785	482
2.34		21498	20879
2.439		474	579
2.504		2074	1356
2.522		4011	2287
2.544		2646	2176
2.579		185199	143751
2.666		637	651
2.718		1123	1103
2.76		2126	2639
2.791		13701	10988
2.819		2173	1275
2.855		58696	41426
2.916		1641	1095
2.945	TCX	5803366	4099016
3.044		2781	2920
3.094		227157	199979
3.149		208523	182200
3.198		638197	467012
3.276		11217	6797
3.291		2633	1235
3.381		510	328
3.416		29212	16982
3.437		32152	37736
3.47		4021	1884
3.497		81754	58492
3.532		42555	32911
3.589		20944	13162
3.609		2642	1534
3.643		10034	6137
3.658		10206	5154
3.68		3113	1689
3.701		20480	12049
3.712		39480	20496
3.75		58849	44276
3.777		1043	449
3.808		37871	28862
3.849		1457	931
3.878		21503	16542
3.905		6345	4688
3.967		2420	2184
4.003		13373	9662
4.027		5021	3444
4.058		3441	2493
4.092		20344	18141
4.132		2927	2646
4.195		16082	16290
4.254		18325	12586
4.271		9648	5426
4.297		15421	16544

RT A	Compound A	Height A	Area A
4.365		4290	4696
4.408		22254	32279
4.443		6652	4672
4.481		2816	2280
4.51		3275	2957
4.547		9153	8127
4.598		16306	14585
4.627		2726	1718
4.658		30919	27681
4.706		2758	2643
4.74		4212	3505
4.783		9452	9771
4.83		1894	1496
4.87		16262	15891
4.906		9833	8574
4.931		1182	694
4.984		8243	11213
5.023		6342	6571
5.067		11768	13583
5.116		1248	777
5.147		18211	17583
5.186		14106	14787
5.227		1277	794
5.254		1698	1415
5.293		2200	2805
5.375		740	884
5.389		2901	2198
5.414		1864	1386
5.443		595	529
5.476		1922	1650
5.506		1042	1090
5.549		14964	14828
5.589		1713	1480
5.648		2371	1838
5.673		26851	23321
5.753		855	927
5.852		4880	5309
5.901		650	320
5.954		898	954
6.008		2598	3166
6.045		44773	43820
6.109		51121	62279
6.243		2743	6989
6.308		2716	5875
6.387		784	538
6.41		1547	1489
6.457		635	654
6.483		48804	52141
6.541		431	345
6.558		1432	1231
6.634	DCB	4104335	4220476
6.697		1119	545
6.728		1011	591
6.785		2351	4465
6.821		668	125
6.832		1370	799
6.873		583	200
6.883		664	293
6.909		2738	3753

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:02:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9536	7415
2.159		2535	4842
2.211		7343	6475
2.304		194225	144486
2.417		2517	2703
2.54		3127	6648
2.554		20870	13114
2.578		66866	41768
2.621	TCX	7994939	4846899
2.664		78741	67437
2.793		340243	231153
2.84		65089	31243
2.855		210110	117929
2.907		887228	564403
2.957		19843	13076
3.019		6821	5344
3.097		2931	1725
3.115		62355	89817
3.158		35137	26072
3.188		7311	4545
3.215		122392	75082
3.238		67923	43209
3.277		7217	4491
3.303		36709	19837
3.322		18925	9146
3.338		36929	20841
3.364		2222	1420
3.389		25837	12653
3.398		72749	33105
3.433		78594	68675
3.507		65401	45154
3.543		27657	15716
3.565		23026	15482
3.585		4735	2310
3.606		2271	3807
3.671		20756	12598
3.694		10189	6297
3.717		6841	4215
3.745		4585	2201
3.762		35777	22633
3.802		7149	5084
3.857		3027	2403
3.872		12358	6987
3.895		63151	40919
3.92		24419	15211
3.961		40929	36652
3.995		40045	27667
4.028		19874	11979
4.044		9426	10873
4.094		12745	14524
4.14		15873	11942
4.172		5565	3772
4.196		32484	22108
4.23		10898	8734

RT B	Compound B	Height B	Area B
4.257		54469	42650
4.297		4272	4240
4.349		29554	25887
4.388		3176	2306
4.419		28382	20769
4.444		3720	2126
4.46		17554	11932
4.486		15270	9584
4.511		2190	1836
4.542		1478	1059
4.585		17873	16960
4.615		4320	2857
4.639		17365	15554
4.688		32633	28309
4.717		27849	23449
4.865		7851	10873
4.94		6487	5291
4.961		7280	5449
5.011		4485	5525
5.081		24470	23789
5.11		2492	1627
5.132		7123	5287
5.204		59912	54730
5.266		3397	3176
5.328		2967	1994
5.347		4029	15437
5.415		8766	15684
5.464		1792	1745
5.495		3057	3249
5.545		89699	79610
5.613		101299	88377
5.663		18142	15396
5.751		3834	4355
5.801		2745	5943
5.864		1709	2634
5.926		1683	2439
5.968		100730	87683
6.003		5730	6292
6.129	DCB	9220669	8194096
6.325		3039	4297
6.447		2067	4368
6.583		9972	10115
6.646		1427	1412
6.76		2282	3864
6.845		1035	3313

AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082

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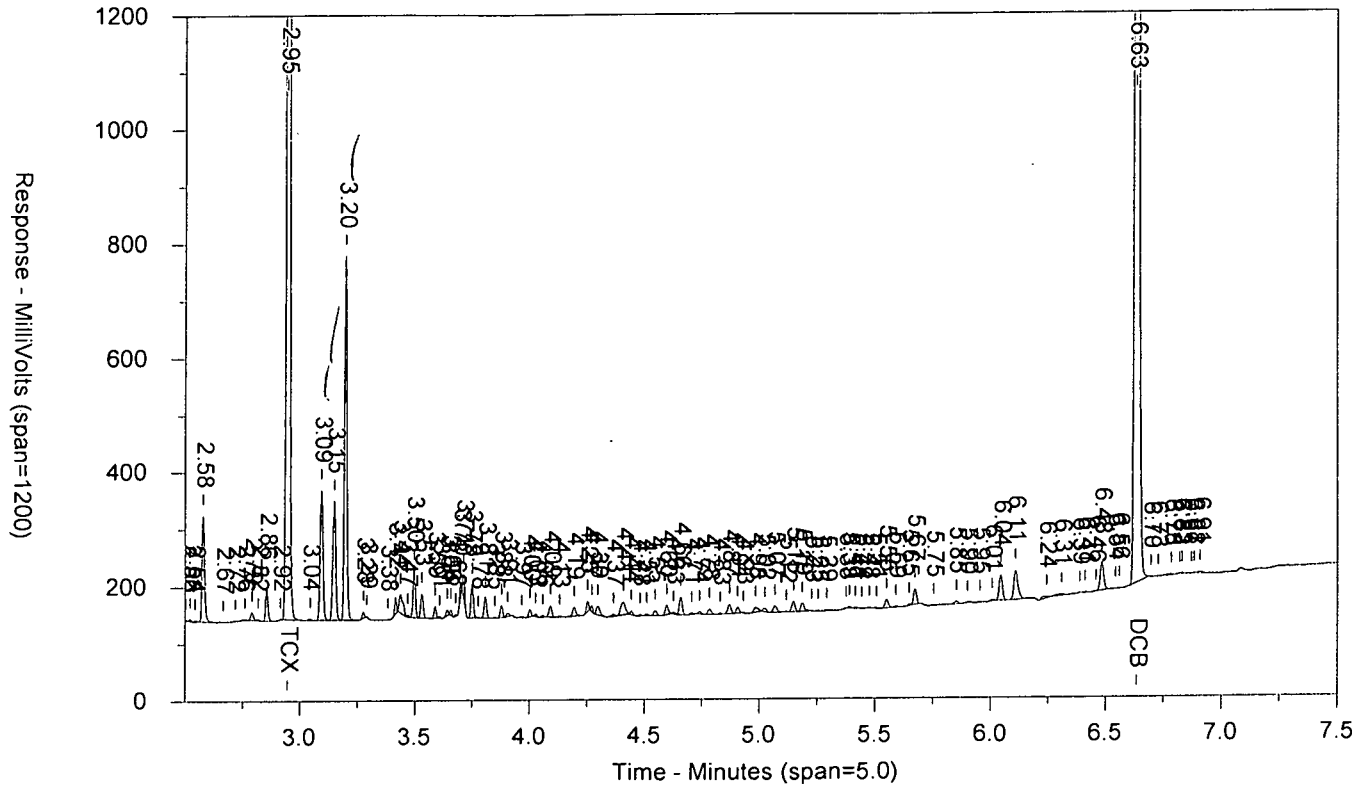

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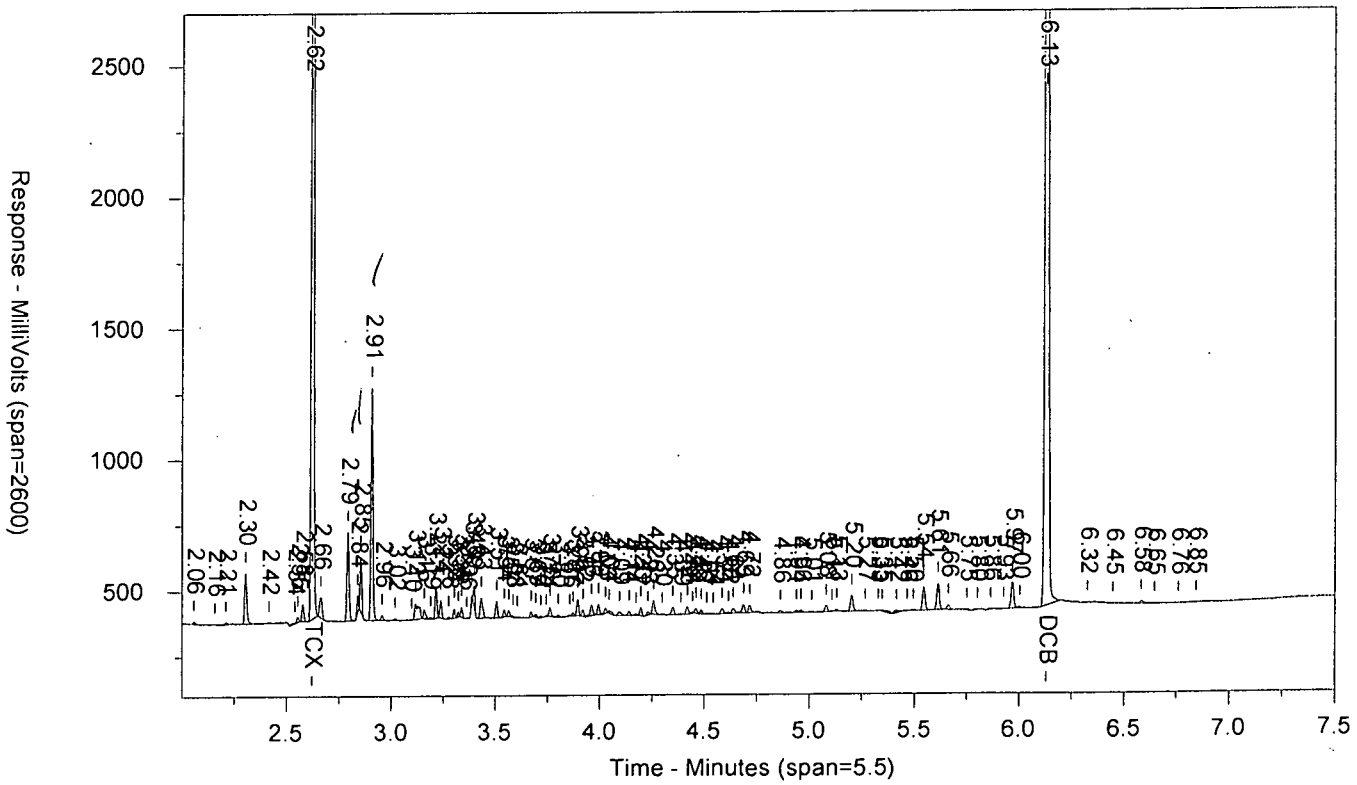

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:02:03 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5803366	41.52	TCX	2.621	7994939	41.984	TCX
6.634	4104335	41.174	DCB	6.129	9220669	39.115	DCB

Files:
Area File: 25pcbs17116001.024.RAW
Area File: 25pcbs17116001B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:10:35 PM
File Reported On: 4/26/2017 at 6:10:44 PM

AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082

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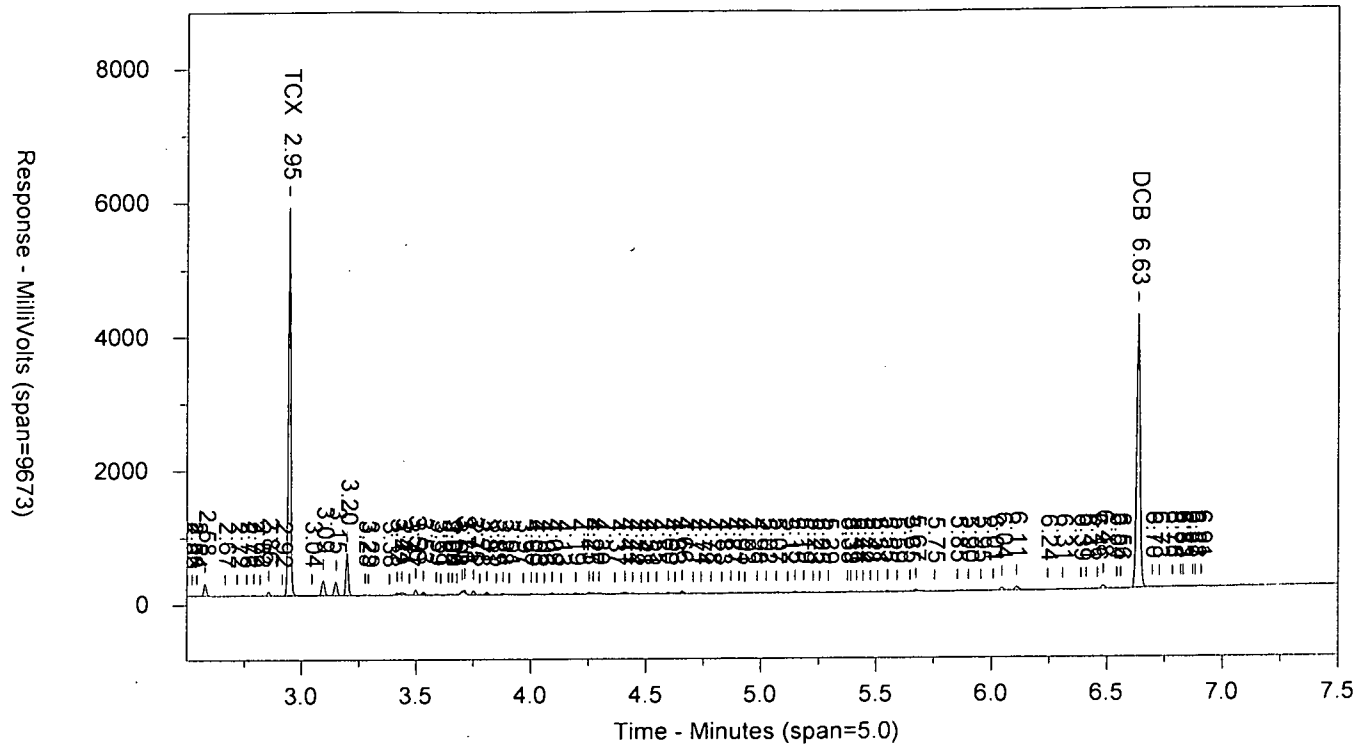

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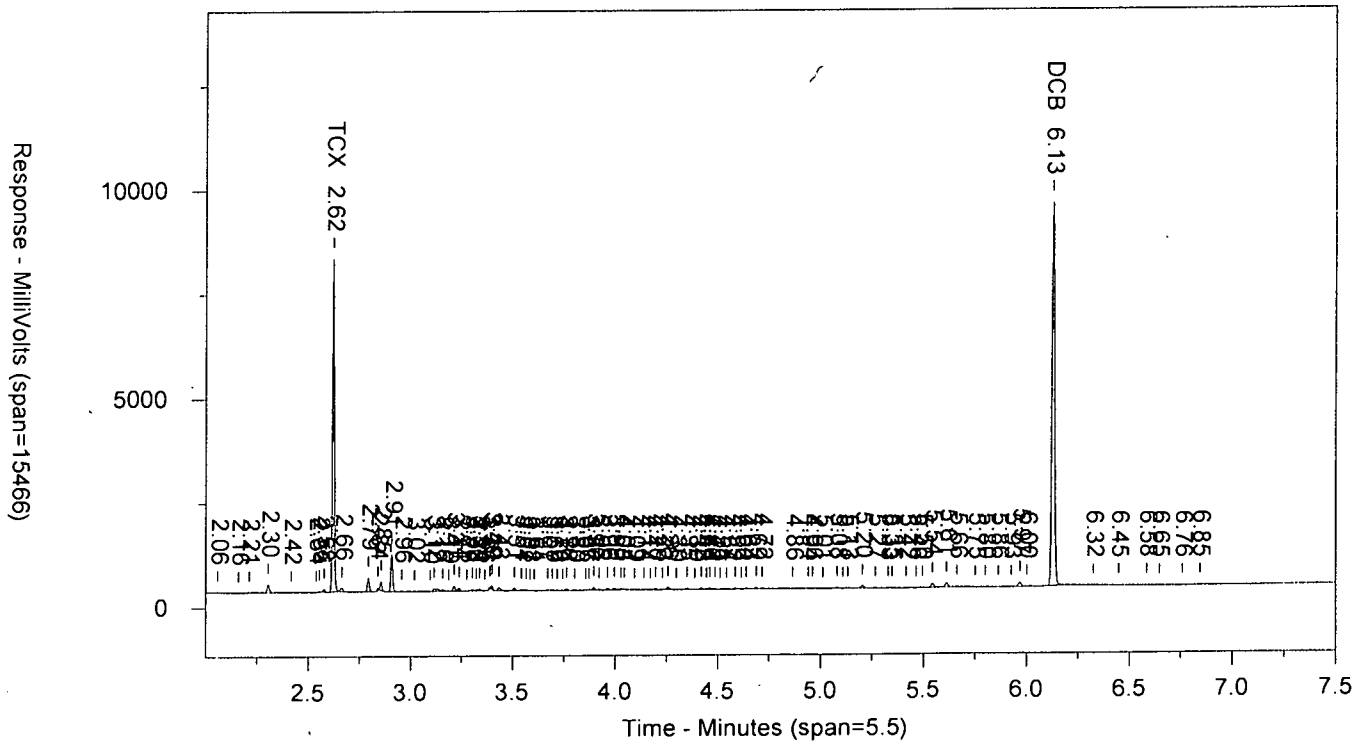

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:13:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		801	758
2.046		7968	7813
2.094		3319	4022
2.178		1608	1637
2.241		26971	22032
2.341		45371	41641
2.45		588	626
2.507		4301	5438
2.547		5297	4446
2.58		123075	92511
2.669		596	496
2.72		1716	2026
2.754		5407	7248
2.792		19779	16838
2.857		35651	25132
2.917		2365	1691
2.947	TCX	6042044	4228550
3.045		2578	2023
3.065		758	469
3.096		177006	154472
3.151		175119	163158
3.2		571287	427162
3.278		9182	4928
3.294		25516	16244
3.338		766	632
3.385		646	567
3.419		211882	132839
3.436		103107	59377
3.474		26720	15121
3.5		59686	44168
3.535		278767	221717
3.573		1154	574
3.593		21728	13308
3.613		9314	5488
3.647		63948	38133
3.662		34245	17133
3.707		78010	58153
3.717		269124	140487
3.755		341867	266805
3.812		284438	221528
3.854		19281	14263
3.882		158762	121593
3.91		114657	98038
3.931		31878	16587
3.972		2022	1717
4.007		185961	141641
4.031		71841	46422
4.063		78902	55903
4.096		220369	214150
4.136		66452	55818
4.184		7119	4512
4.199		10298	6207
4.224		14966	10793
4.256		117799	81770

RT A	Compound A	Height A	Area A
4.275		150965	101547
4.299		201790	162268
4.356		7147	5231
4.37		4815	2722
4.404		125906	94087
4.424		79692	48408
4.447		22169	14660
4.488		1676	1138
4.511		5974	4585
4.552		31453	30567
4.602		47314	40229
4.633		25814	18977
4.663		78252	70112
4.713		2581	1870
4.745		38504	37867
4.79		9418	10861
4.835		7581	6885
4.875		51780	47923
4.91		9474	7939
4.938		885	515
4.955		1787	1186
4.988		9350	12236
5.028		3417	3619
5.071		54111	53576
5.151		18832	18027
5.191		14223	12995
5.229		1110	793
5.258		3576	3229
5.302		2362	2793
5.346		343	293
5.374		1221	1145
5.393		2618	1835
5.42		4194	3356
5.477		3094	2966
5.51		1830	1751
5.553		14301	15053
5.597		2033	1937
5.62		799	509
5.653		6307	4825
5.677		27175	23184
5.757		1400	2143
5.856		8506	9710
5.911		2501	3725
5.96		1151	1553
6.015		2273	3044
6.049		48319	46875
6.113		55449	68031
6.244		5128	9012
6.31		4273	14873
6.37		1706	2169
6.414		1866	2637
6.46		683	489
6.488		49966	54199
6.638	DCB	4334713	4429199
6.725		1037	1083
6.739		715	434
6.781		2484	3785
6.834		2165	3500
6.884		579	270
6.913		2678	3479
6.951		565	505
6.984		477	114

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:13:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		10038	8469
2.161		4963	7847
2.212		2449	2966
2.279		1499	1131
2.303		128197	91327
2.417		4897	5296
2.474		1138	1431
2.501		6464	5462
2.524		2818	1779
2.553		34400	22458
2.577		40678	24024
2.62	TCX	8534095	5093492
2.664		73014	58209
2.793		261484	181449
2.839		72487	34565
2.854		171851	96303
2.907		821522	523359
2.956		21399	13609
3.019		46128	29791
3.097		1666	759
3.116		417191	433672
3.167		57504	45836
3.189		25774	15641
3.215		98830	57865
3.239		412778	281513
3.276		19576	11270
3.304		36254	19073
3.323		108285	58697
3.339		81048	41583
3.4		842442	863437
3.434		443703	317275
3.509		458225	299288
3.545		276403	177499
3.568		314950	179784
3.587		102488	54348
3.674		352889	243705
3.697		150849	87820
3.719		124476	74227
3.747		93714	50028
3.765		352231	219862
3.806		127594	98697
3.854		25294	16367
3.875		233119	148306
3.898		446016	289324
3.923		410763	260890
3.944		14041	6040
3.964		43654	27078
3.982		8883	3474
3.998		86981	55556
4.033		273709	190613
4.06		185531	115258
4.108		15416	17903
4.143		57953	45560
4.175		3475	2103

RT B	Compound B	Height B	Area B
4.2		101144	69140
4.233		62179	45658
4.261		145482	106694
4.297		3131	3640
4.354		72415	80395
4.39		15574	10942
4.422		94785	71460
4.446		3164	1157
4.464		20134	13678
4.489		16192	9997
4.515		10799	8484
4.59		20466	20438
4.641		95577	75113
4.691		29731	26924
4.72		26200	22086
4.752		6574	6944
4.793		4119	4141
4.868		6596	9441
4.94		10758	8509
4.965		6660	4880
5.014		7466	8736
5.053		2499	1734
5.085		24854	19223
5.113		1998	1271
5.135		19978	16000
5.207		65194	62047
5.32		1323	1250
5.349		6049	7403
5.391		9943	9632
5.5		2425	4451
5.549		99497	87921
5.617		111937	107810
5.666		23064	27938
5.772		6376	5992
5.834		1158	1074
5.887		1343	2874
5.922		2167	1741
5.972		103720	92860
6.004		3366	2573
6.027		1828	2782
6.133	DCB	9767917	8774879
6.259		1667	1279
6.324		2252	2892
6.474		2147	1520
6.588		11850	19484
6.68		2135	2678
6.849		1638	9125

AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082

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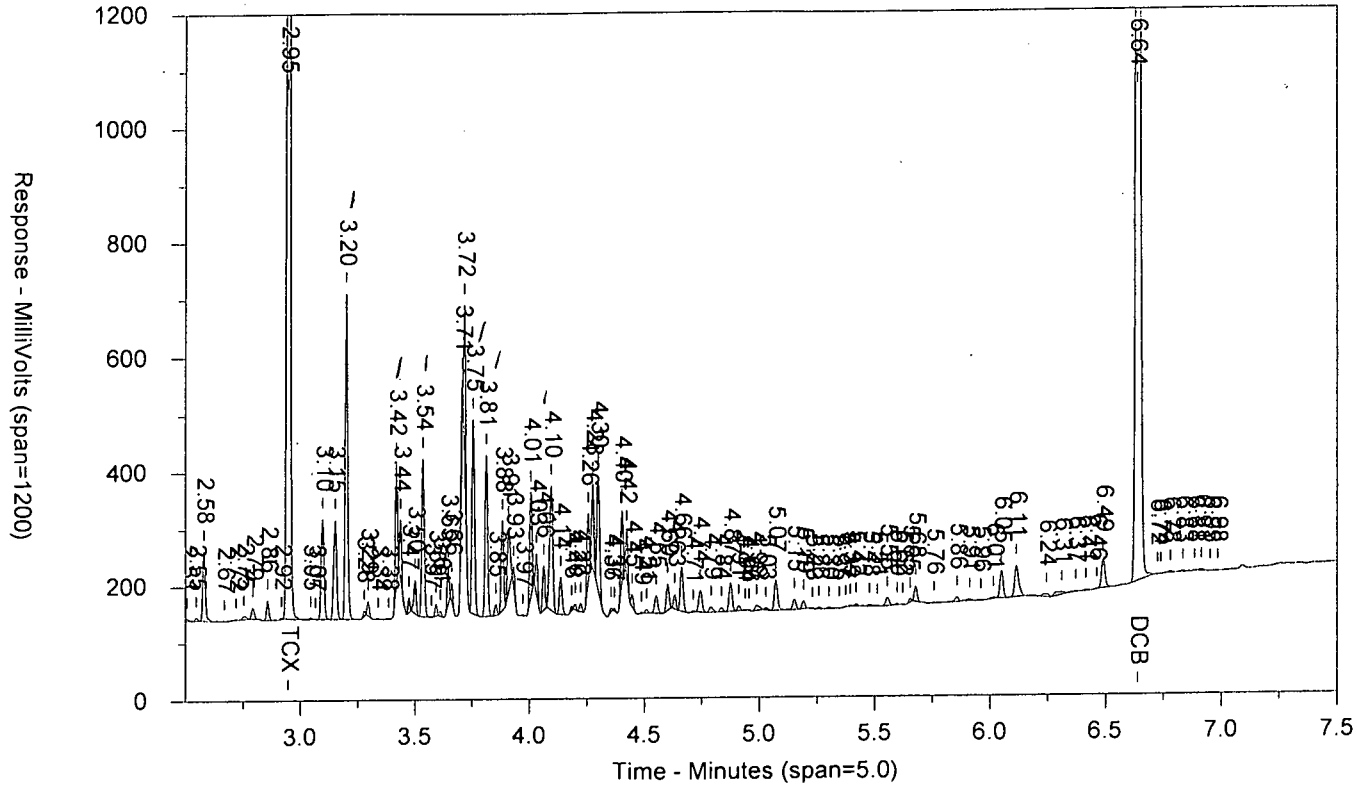

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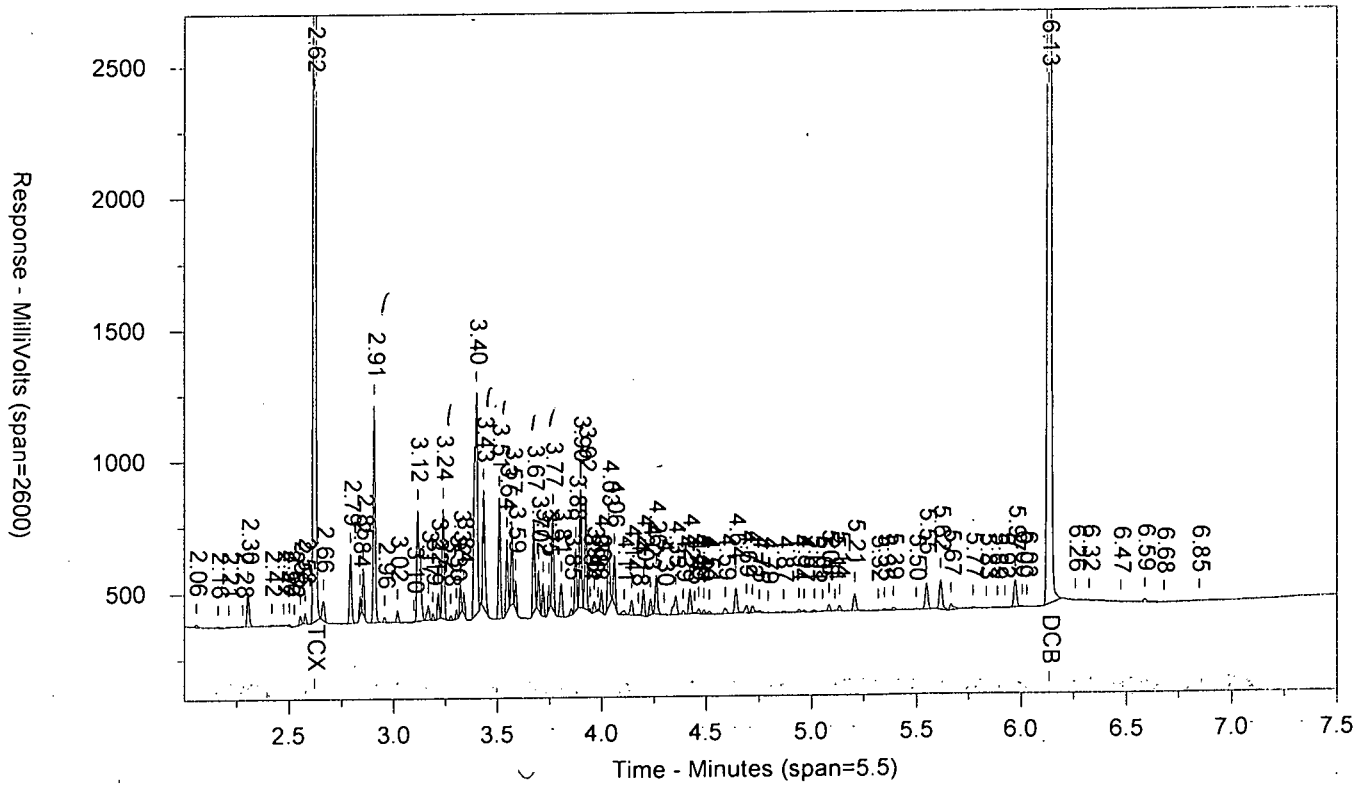

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:13:50 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	6042044	43.227	TCX	2.62	8534095	44.815	TCX
6.638	4334713	43.485	DCB	6.133	9767917	41.437	DCB

Files:
Area File: 25pcbs17116001.025.RAW
Area File: 25pcbs17116001B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:22:21 PM
File Reported On: 4/26/2017 at 6:22:31 PM

AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082

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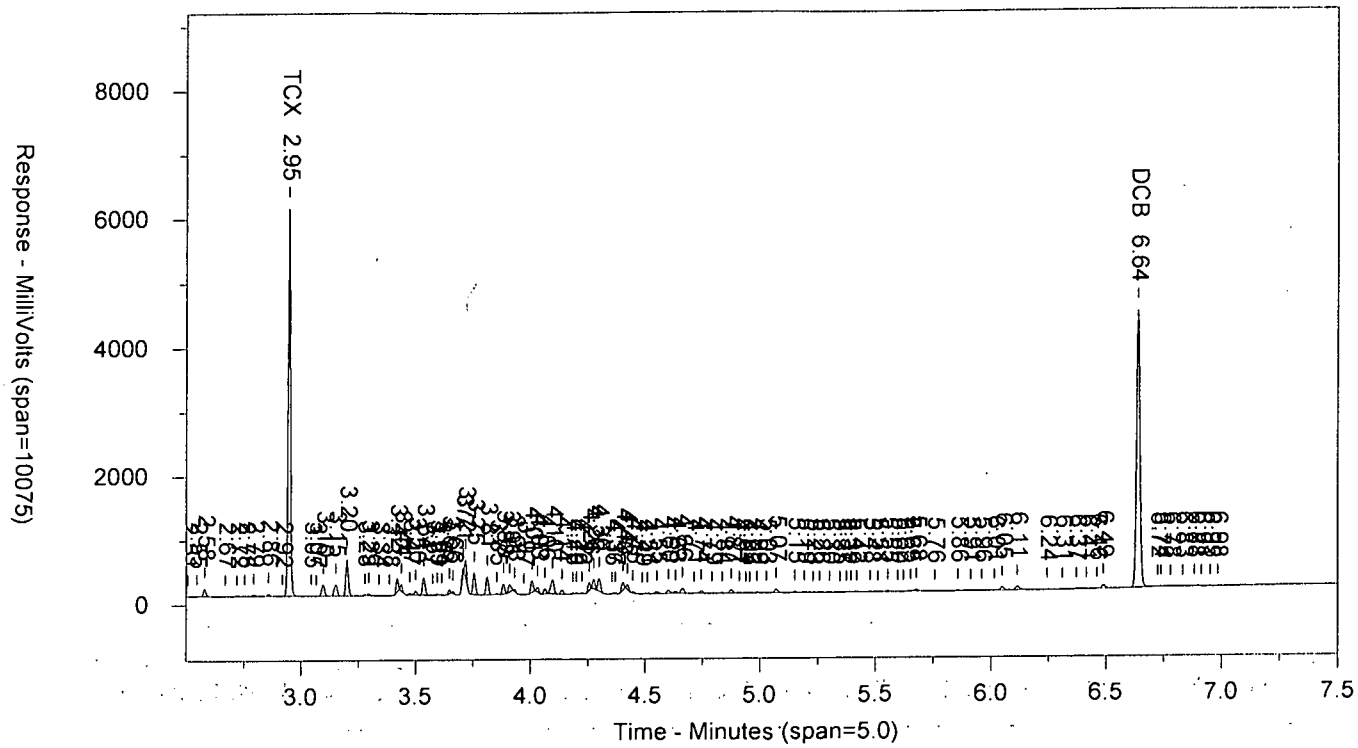

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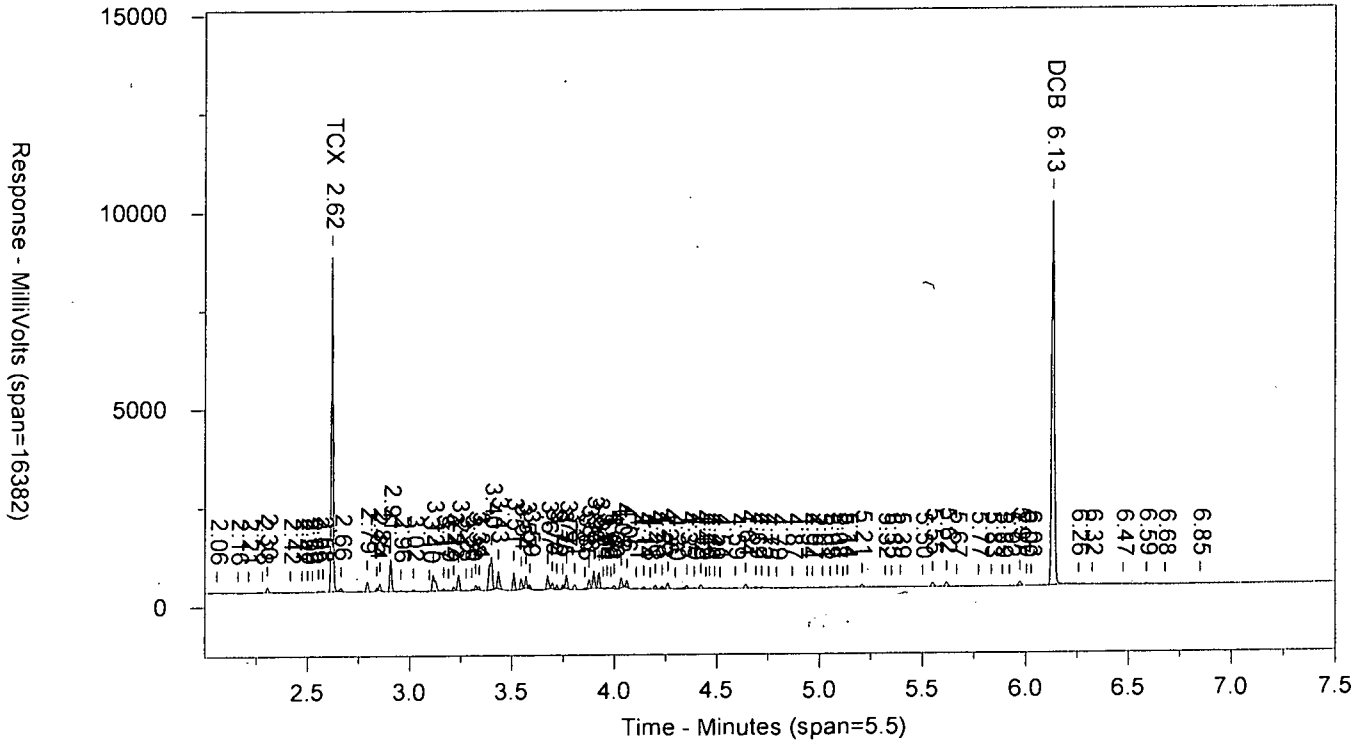

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:25:10 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.044		8479	10322
2.09		3464	11153
2.239		26164	20769
2.306		662	556
2.34		21341	23149
2.407		736	718
2.442		613	699
2.505		3271	2443
2.521		2261	1032
2.546		2989	2699
2.58		5795	5105
2.675		683	612
2.719		796	1149
2.761		2146	2992
2.791		14586	13973
2.891		1133	1139
2.915		2609	1681
2.945	TCX	5905994	4118459
3.043		2493	2122
3.066		1658	918
3.094		73654	64914
3.148		114326	113487
3.198		395986	292096
3.235		898	596
3.276		6754	3483
3.292		45585	29648
3.335		1070	583
3.379		392	280
3.416		367334	227812
3.433		164327	94758
3.47		47336	27436
3.487		3251	1282
3.497		24571	13003
3.532		468454	373655
3.569		1876	811
3.589		20471	12202
3.608		16495	10070
3.643		104014	60807
3.658		48943	25433
3.702		181802	109697
3.712		482659	256771
3.75		567716	448963
3.807		486802	384903
3.85		38944	28508
3.878		300025	231061
3.905		216876	180173
3.927		63371	35123
3.965		2173	1875
4.002		357454	266799
4.026		124771	83975
4.059		142114	104101
4.092		410804	397122
4.132		125655	106566
4.18		17027	10899

RT A	Compound A	Height A	Area A
4.194		4253	2036
4.219		34406	25389
4.252		233756	163117
4.272		315705	194935
4.295		372342	300982
4.352		9980	6487
4.365		10646	6933
4.399		225851	172025
4.419		123593	81079
4.443		58179	39331
4.484		4277	2934
4.507		14340	10578
4.548		75857	69283
4.597		109740	94225
4.629		63453	47464
4.66		169501	155110
4.708		1468	947
4.741		80883	80159
4.786		12130	16428
4.831		19474	17573
4.871		133468	124271
4.907		9193	7253
4.951		12304	15334
4.984		14501	20745
5.023		6581	5905
5.067		131509	127245
5.117		3449	2567
5.147		18594	18993
5.187		33167	28622
5.209		2029	915
5.226		1844	1285
5.255		687	419
5.327		1270	3030
5.391		13907	15080
5.415		1836	983
5.446		1038	919
5.473		855	523
5.501		1389	1621
5.551		14410	14629
5.587		8241	7307
5.612		1413	1032
5.65		1390	882
5.674		27662	24534
5.704		1844	1358
5.744		474	122
5.774		652	326
5.8		470	292
5.829		545	195
5.854		4702	5083
5.902		1924	3140
6.009		3120	3751
6.046		46197	45000
6.108		54830	63428
6.165		636	321
6.246		1600	3410
6.3		3209	5971
6.377		623	1001
6.412		1748	2186
6.437		511	241
6.484		51377	54508
6.533		577	451
6.574		890	1430
6.634	DCB	4011813	4250139
6.736		875	640
6.776		627	949
6.802		840	180

RT A	Compound A	Height A	Area A
6.824		2926	4387
6.904		2868	6054

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:25:10 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9031	8273
2.211		6161	5565
2.304		6167	6607
2.359		1536	2372
2.417		2728	2722
2.499		11569	12199
2.554		25686	34278
2.598		2041	1057
2.621	TCX	7995129	4867787
2.665		42975	29989
2.793		110400	79459
2.84		74711	37760
2.855		96503	49353
2.907		549511	350618
2.957		20272	13161
3.018		75823	50384
3.046		1582	1912
3.115		711672	714054
3.167		87448	55143
3.188		41722	24337
3.214		64464	36892
3.238		697718	476604
3.275		32412	19560
3.303		35026	18065
3.322		179156	94471
3.337		109823	54604
3.398		1453095	1496200
3.432		793225	616080
3.507		809315	519239
3.542		522761	330890
3.566		607996	337942
3.584		198004	100831
3.67		676648	451737
3.694		263924	148148
3.715		251545	151423
3.744		162668	85037
3.761		647038	394129
3.802		226746	175983
3.851		47182	33014
3.872		451712	280557
3.895		847301	566200
3.92		793897	518636
3.96		59129	34851
3.979		13772	5972
3.994		181480	119407
4.03		518416	371378
4.058		353673	216172
4.104		32812	31059
4.14		126308	101414
4.172		4760	2593
4.196		213497	162250
4.23		138706	97909
4.258		308150	232054
4.295		5871	5335

RT B	Compound B	Height B	Area B
4.336		18470	10773
4.351		107419	69788
4.387		39689	29403
4.419		235344	184405
4.46		16810	10738
4.486		21749	13540
4.511		25183	18858
4.586		32531	30437
4.613		5492	2982
4.637		224529	177046
4.689		32750	31141
4.717		68364	63234
4.763		10945	8059
4.803		1802	3069
4.863		3875	4686
4.905		4175	3408
4.939		3842	2556
4.962		27861	22532
5.004		4476	4817
5.047		1974	1026
5.082		24019	19434
5.11		16567	12498
5.131		4173	2425
5.204		62882	58345
5.326		1252	1288
5.345		2905	3500
5.389		7003	9531
5.488		1194	960
5.546		91981	82029
5.614		106135	92922
5.663		16743	14150
5.968		99800	87260
5.999		3518	2418
6.09		1346	1034
6.129	DCB	9405707	8393043
6.308		2749	14830
6.583		9565	10619
6.844		1302	1911

AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082

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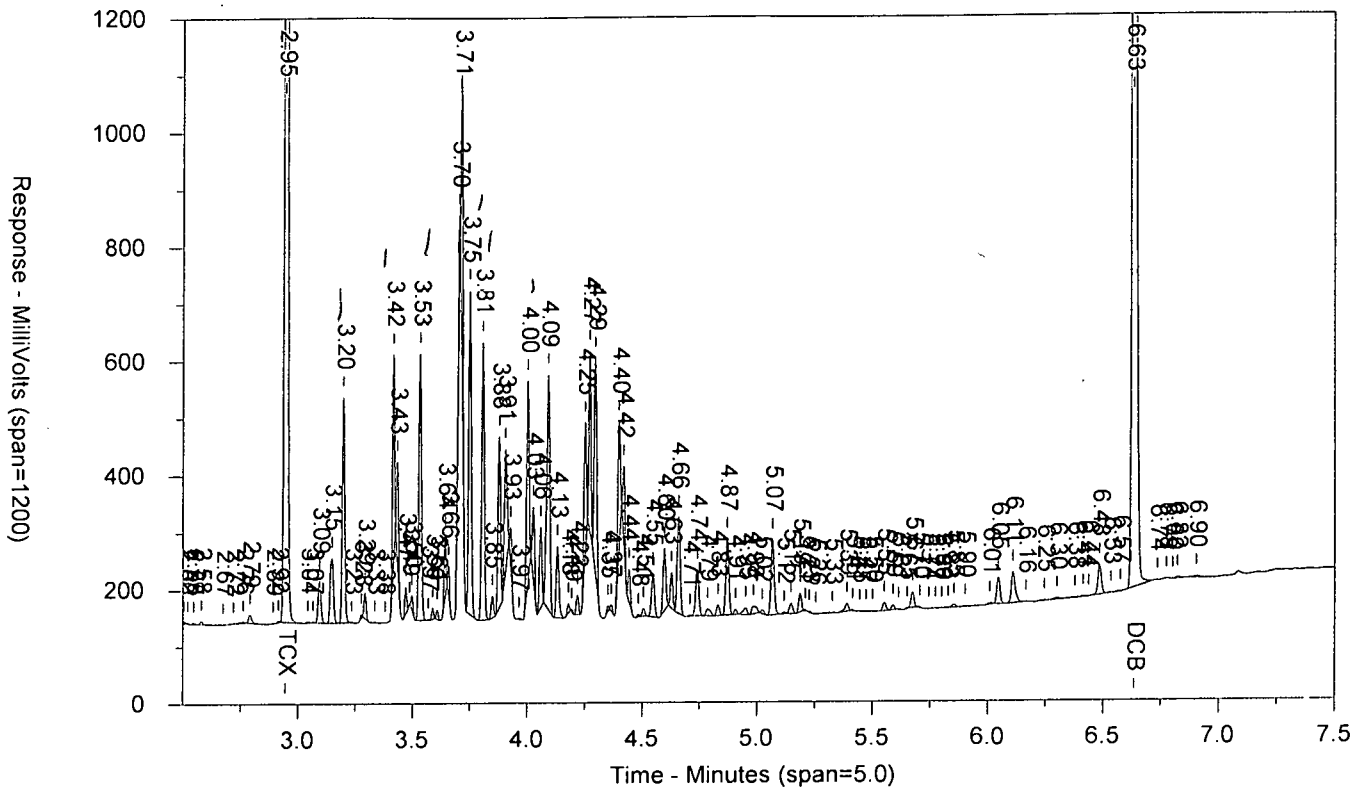

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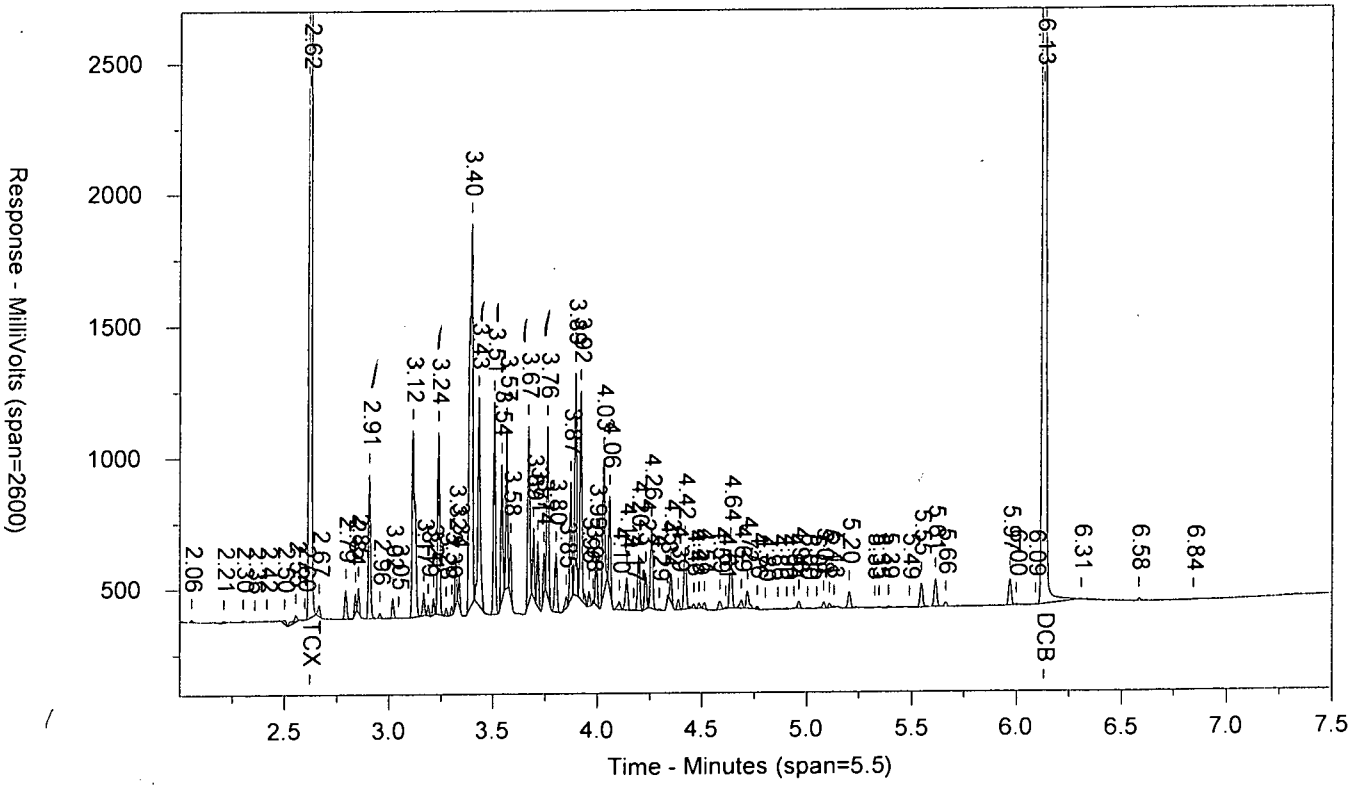

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:25:10 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5905994	42.254	TCX	2.621	7995129	41.985	TCX
6.634	4011813	40.246	DCB	6.129	9405707	39.9	DCB

Files:
Area File: 25pcbs17116001.026.RAW
Area File: 25pcbs17116001B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:33:39 PM
File Reported On: 4/26/2017 at 6:33:49 PM

AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082

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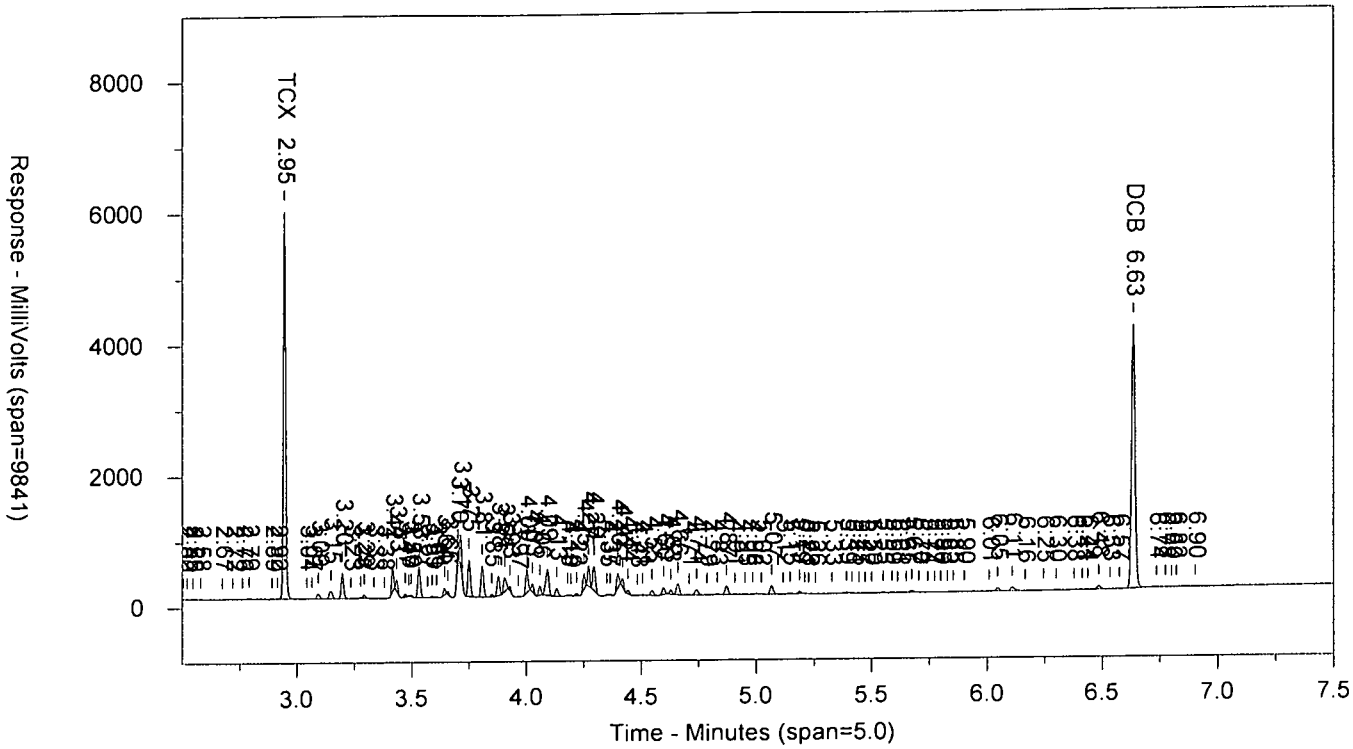

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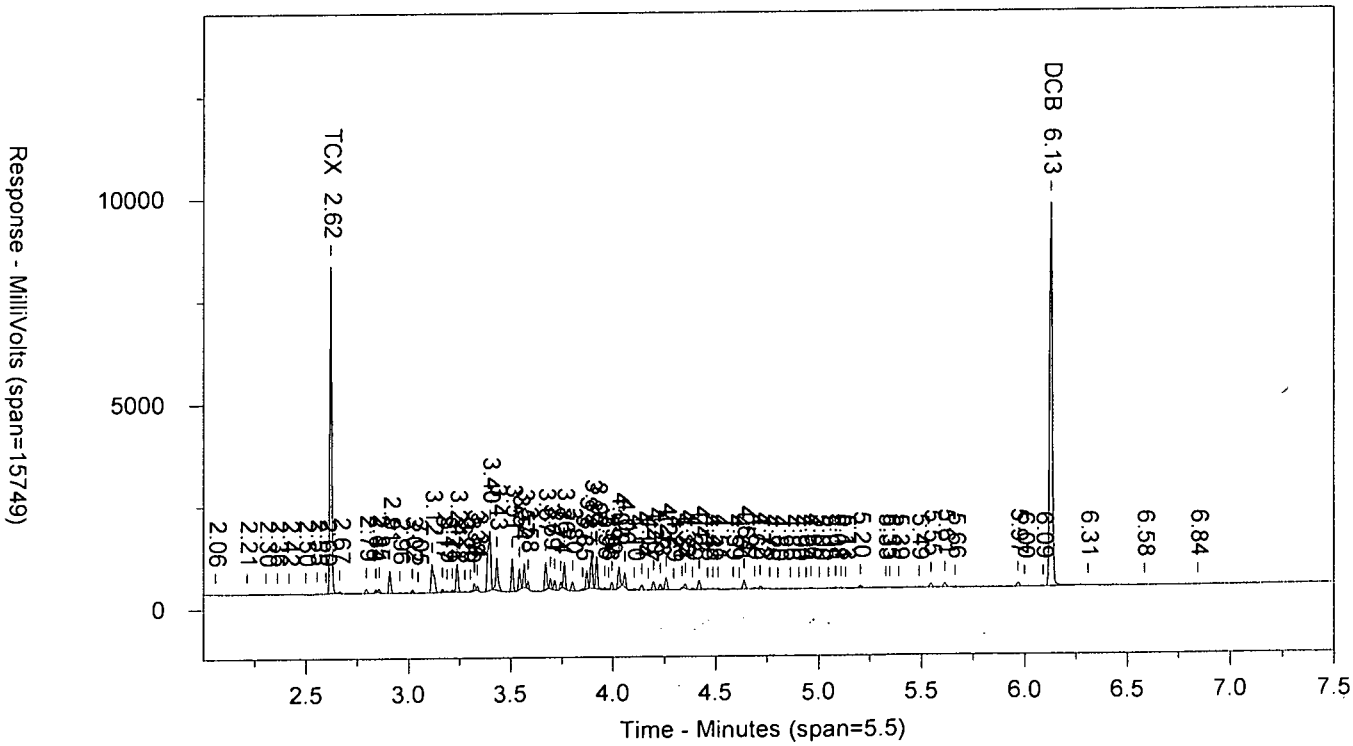

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:36:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		647	505
2.045		11370	12070
2.091		4533	9710
2.168		1176	1051
2.239		29151	22806
2.339		34429	31063
2.445		627	706
2.505		4981	4124
2.544		3690	2906
2.579		5761	3810
2.643		314	224
2.666		1201	1203
2.713		2695	2248
2.755		4459	6139
2.79		25436	25487
2.858		1414	954
2.889		1078	719
2.914		3374	2140
2.945	TCX	6310038	4462720
3.045		3134	2782
3.066		1637	900
3.093		89267	78448
3.148		134777	132321
3.197		499464	365172
3.233		773	414
3.275		6969	3510
3.291		60842	40002
3.334		1273	838
3.364		914	818
3.415		466225	291319
3.432		211834	118999
3.47		58867	34754
3.485		5437	1897
3.496		29397	15761
3.531		601188	477790
3.568		2376	1091
3.588		22078	13026
3.607		17862	10468
3.642		129296	76112
3.657		61517	31716
3.701		228098	148347
3.711		624980	313796
3.749		726004	560949
3.807		633897	494726
3.849		49687	36214
3.878		376694	286260
3.905		277128	232415
3.927		71906	39094
3.967		2024	1742
4.002		452531	330882
4.026		152548	102818
4.058		174389	129218
4.091		488678	478359
4.131		153557	130602

RT A	Compound A	Height A	Area A
4.179		13442	8831
4.194		5895	3046
4.218		23819	16739
4.252		142374	101512
4.271		125474	79539
4.295		134828	107239
4.354		1247	1566
4.366		2596	1639
4.399		44394	54961
4.442		3365	2396
4.512		467	503
4.547		2761	3652
4.6		3787	5728
4.658		5899	7319
4.742		1214	1493
4.837		336	381
4.87		3187	3043
4.906		12376	15445
4.962		1459	1349
5.021		4278	7187
5.064		5391	5075
5.093		813	583
5.147		19841	18977
5.189		1321	1183
5.23		934	834
5.275		399	253
5.317		563	996
5.368		1996	1934
5.392		954	550
5.415		535	449
5.444		1217	1169
5.477		2385	2316
5.55		15908	16889
5.601		440	502
5.624		3779	4035
5.673		33209	31033
5.701		1494	1374
5.755		629	566
5.82		448	191
5.853		2278	3017
5.901		934	916
5.914		470	276
5.954		1063	1275
6.009		2666	3208
6.045		48699	45454
6.081		16077	12681
6.108		51114	55404
6.238		8693	15009
6.299		5828	16779
6.372		994	1798
6.411		1875	2231
6.457		786	816
6.483		49917	53858
6.536		441	333
6.577		497	1151
6.633	DCB	4471933	4696004
6.685		1435	659
6.714		829	288
6.766		654	1039
6.78		1447	1558
6.812		895	229
6.828		1806	2267
6.873		547	296
6.906		2556	3639
6.96		588	625

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:36:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		11085	10219
2.21		2848	3044
2.242		1377	1454
2.278		2576	1664
2.305		6562	4795
2.418		4626	6875
2.47		3224	2103
2.5		19082	15943
2.537		6042	15019
2.554		47423	42946
2.62	TCX	8697364	5323722
2.665		54489	38579
2.71		1826	1479
2.792		132803	93318
2.839		74963	36323
2.854		116742	62505
2.906		686782	441792
2.956		21592	13463
2.997		3144	1830
3.018		94126	60980
3.115		910100	913721
3.166		112429	71110
3.188		52280	30384
3.214		80056	45513
3.237		920097	620426
3.275		32919	18888
3.302		34890	17505
3.321		229272	121641
3.337		139708	70893
3.367		1920	1164
3.397		1961090	1967774
3.431		977997	660837
3.507		1062607	676741
3.542		646589	420060
3.566		763046	428461
3.584		241884	127295
3.67		863451	580785
3.694		344819	190709
3.715		305908	179793
3.744		205832	104839
3.761		792294	479879
3.802		281135	208995
3.85		38280	35590
3.872		219209	137751
3.895		462352	299091
3.92		228836	140444
3.94		33933	17310
3.96		33303	22233
3.994		20209	12168
4.029		28485	15541
4.043		24827	21669
4.093		11015	9723
4.172		4894	3380
4.233		4813	10270

RT B	Compound B	Height B	Area B
4.257		5762	6356
4.333		2067	1846
4.386		1119	926
4.42		5101	4174
4.46		25320	23370
4.513		4406	7357
4.571		1873	1383
4.588		2116	1659
4.64		5249	3941
4.666		7844	5325
4.689		28514	21177
4.743		1595	3113
4.763		3416	2759
4.829		4176	6142
4.865		6497	5345
4.939		2988	2609
4.963		2110	1350
5.004		4183	5941
5.081		32974	28995
5.121		2863	3376
5.16		1465	953
5.204		69790	69213
5.344		6381	25567
5.448		6858	34111
5.496		2301	2230
5.544		119971	129480
5.614		123335	125883
5.663		30232	59673
5.772		1655	1590
5.828		868	706
5.863		3446	4280
5.968		103421	89754
6.002		3852	2545
6.025		2241	1623
6.094		1564	1129
6.128	DCB	10351090	9317611
6.352		1732	1771
6.47		2013	1144
6.506		1744	3087
6.583		11591	16107
6.686		1682	3544
6.758		2383	3633
6.87		1311	930
6.896		1288	1213

AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082

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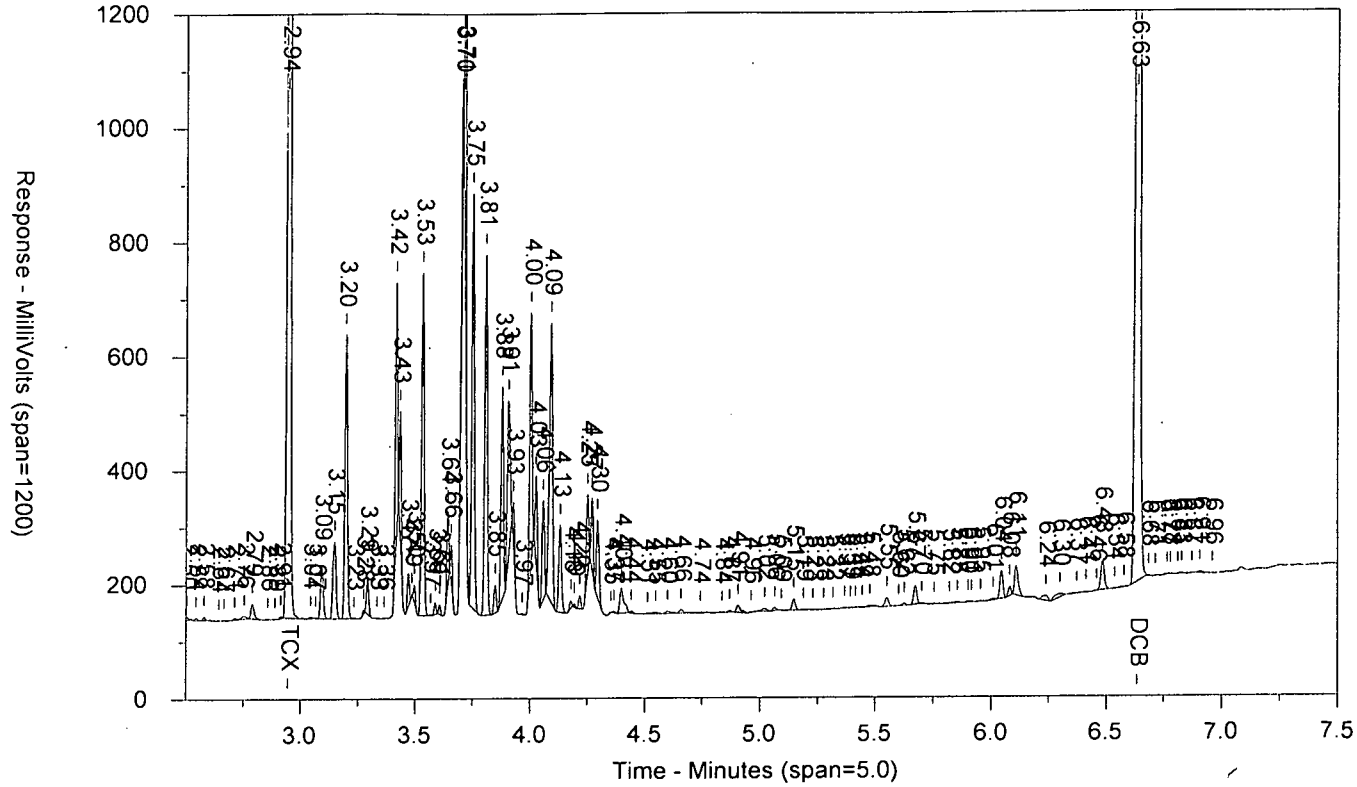

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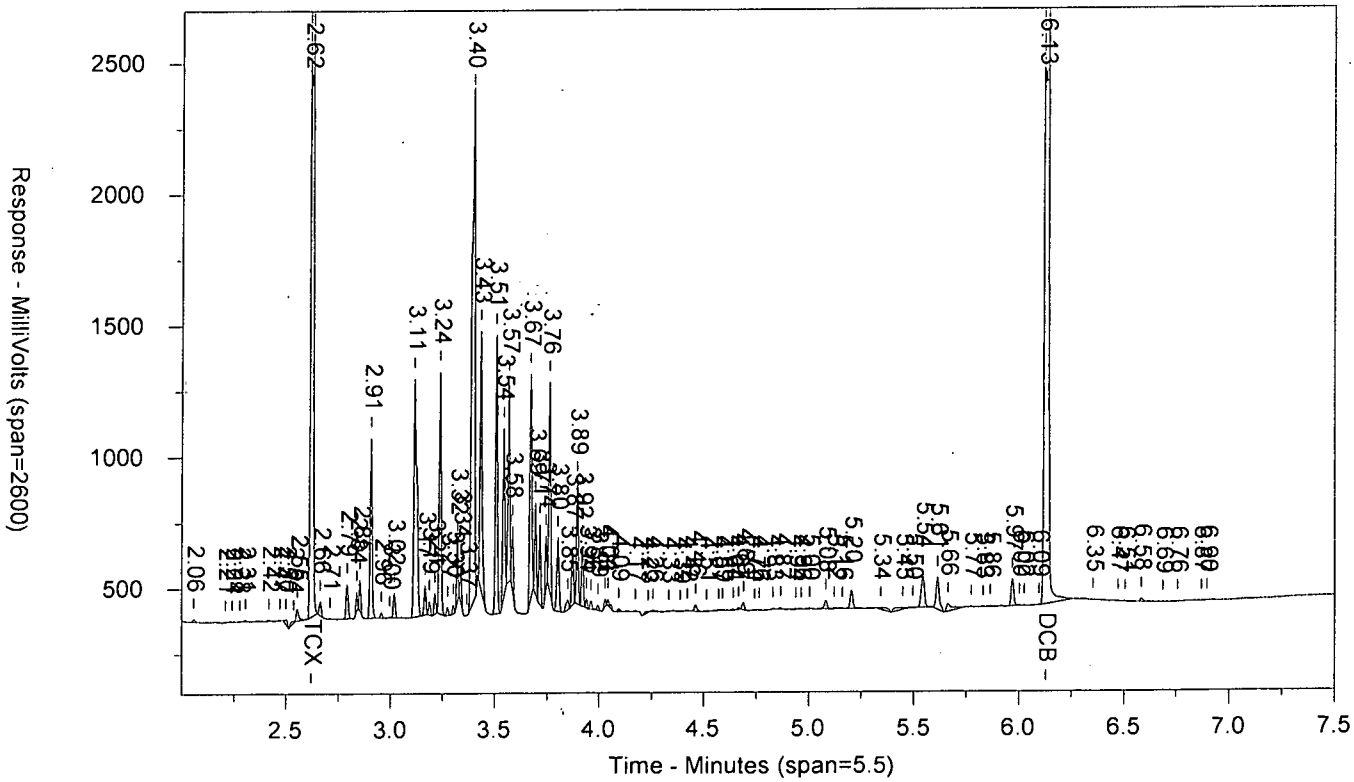

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:36:26 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	6310038	45.145	TCX	2.62	8697364	45.673	TCX
6.633	4471933	44.861	DCB	6.128	10351090	43.911	DCB

Files:
Area File: 25pcbs17116001.027.RAW
Area File: 25pcbs17116001B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:44:58 PM
File Reported On: 4/26/2017 at 6:45:05 PM

AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082

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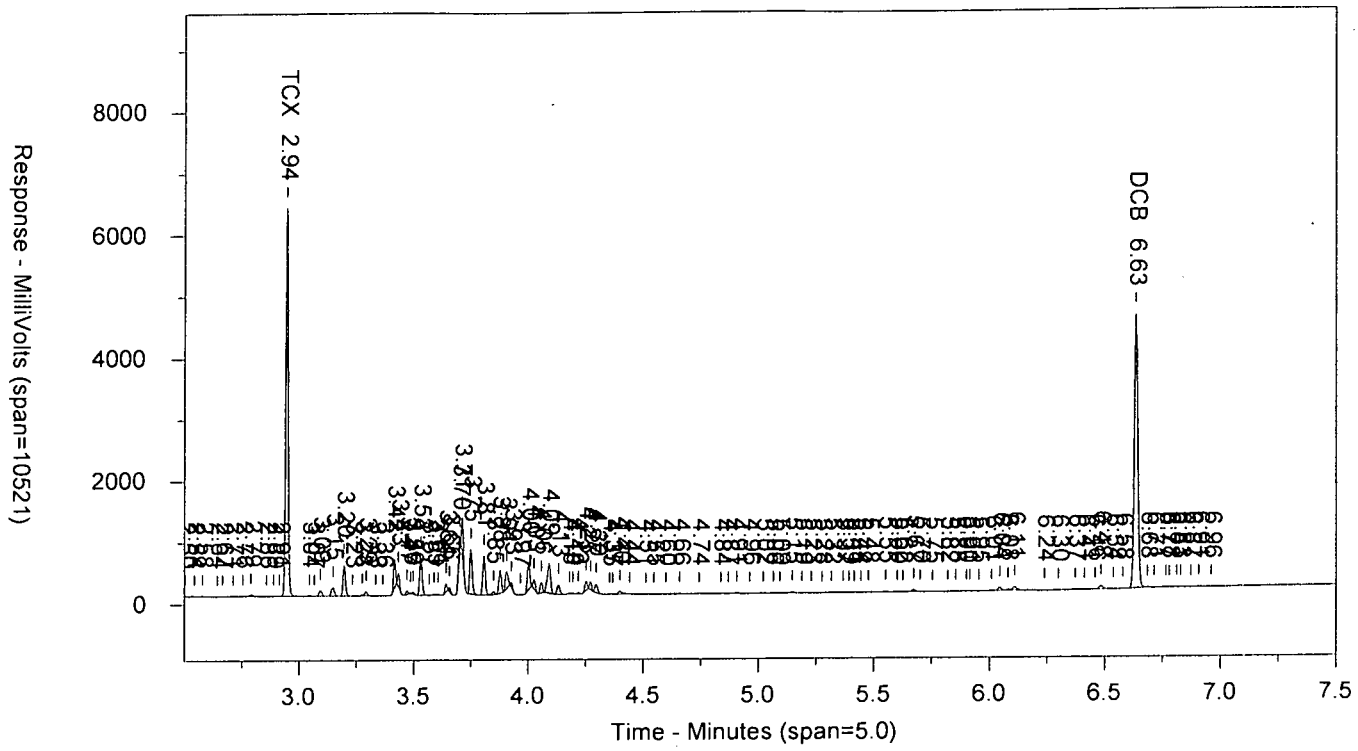

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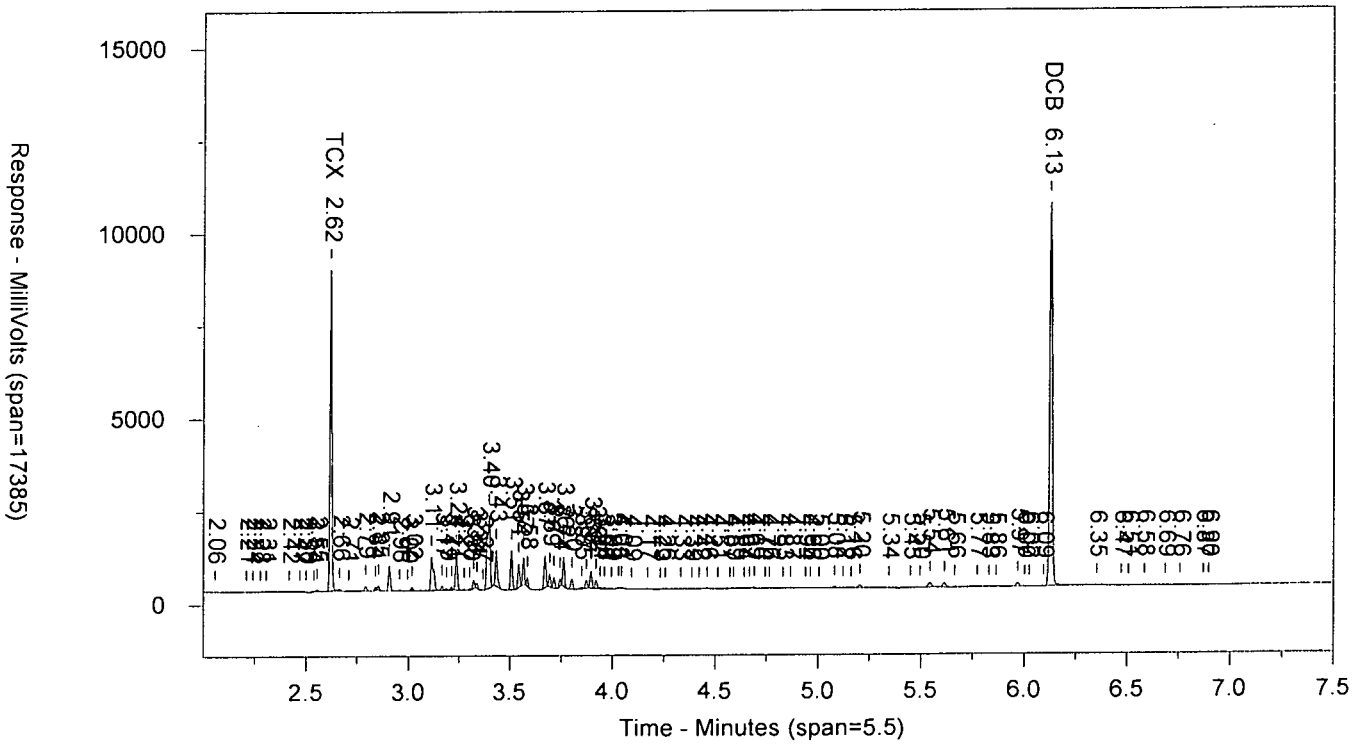


LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:47:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		1132	1061
2.044		10567	10493
2.094		11925	24275
2.166		1053	1657
2.306		413	458
2.339		49072	35302
2.401		446	115
2.414		675	377
2.505		5650	5830
2.543		3388	3068
2.601		1875	1304
2.647		370	157
2.718		1190	1096
2.752		5354	6589
2.79		15727	13733
2.888		715	582
2.914		3936	3068
2.944	TCX	121328	85905
2.982		1216	730
3.009		782	482
3.044		1022	1312
3.094		4954	5208
3.149		6531	5612
3.197		30217	20980
3.29		6636	8298
3.381		777	598
3.415		27658	16911
3.432		13459	7270
3.469		3248	1972
3.495		3134	2745
3.53		36183	28101
3.59		537	280
3.607		1069	627
3.641		7696	6237
3.656		3566	1781
3.679		1272	492
3.7		19337	12391
3.711		34196	16238
3.748		41599	32088
3.806		36798	32258
3.877		27058	20915
3.905		16298	14244
3.926		4287	2038
3.966		3266	2949
4.001		29194	20622
4.025		9596	6166
4.056		10608	7568
4.09		28947	27257
4.13		8091	6150
4.194		16271	18199
4.252		26752	20079
4.269		3926	2057
4.297		16499	19443
4.365		4715	5898

RT A	Compound A	Height A	Area A
4.408		29775	29288
4.442		830	379
4.519		377	677
4.543		3874	3963
4.596		3694	2529
4.613		7572	5220
4.657		23638	22456
4.707		27373	29654
4.743		5982	4272
4.783		67029	62920
4.831		674	515
4.868		12265	12526
4.902		849	475
4.93		12772	11964
4.982		80615	95001
5.031		13905	13873
5.072		36165	41974
5.152		7285	8432
5.185		97063	100895
5.252		43907	41229
5.295		27192	26761
5.388		13007	10859
5.414		48502	43050
5.47		29416	26679
5.507		14589	13041
5.552		2754	2814
5.59		16465	19133
5.648		122149	136233
5.75		5000	5432
5.851		84144	77932
5.881		5441	3320
5.909		17712	19231
5.951		1569	2086
6.007		2758	3376
6.045		2151	2405
6.122		16678	27222
6.165		6115	21077
6.237		10660	20872
6.278		34800	37084
6.325		1894	1911
6.371		755	611
6.407		6977	8555
6.482		7886	7506
6.507		2928	1886
6.568		4110	4834
6.633	DCB	118856	127645
6.675		883	313
6.688		533	215
6.757		652	1301
6.784		1336	2446
6.825		2281	2973
6.909		3975	11021
6.969		1226	1257

LANCASTER LABORATORIES

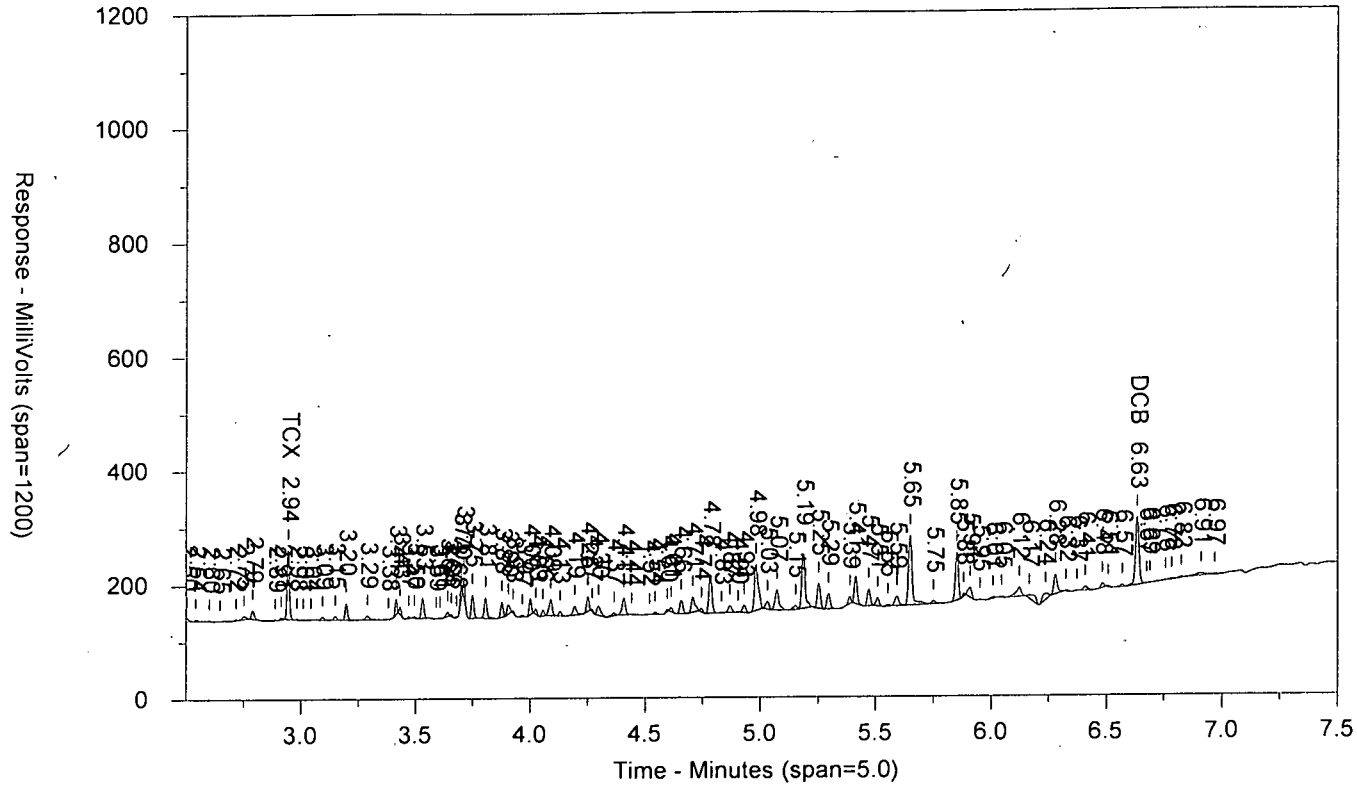
Sample Number: MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:47:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.003		2339	1759
2.127		1352	2159
2.161		3964	5666
2.215		2133	3664
2.246		1524	1779
2.281		847	870
2.366		1801	1628
2.416		3445	3550
2.462		1026	679
2.503		6070	6162
2.524		3304	1831
2.554		25103	20188
2.62	TCX	148620	93935
2.665		3405	3340
2.71		2327	3096
2.793		6155	3976
2.837		2589	1709
2.855		8680	5462
2.907		41599	26521
2.998		3620	2373
3.019		4885	6057
3.092		1703	2722
3.115		58774	57315
3.167		6382	5037
3.191		3342	2387
3.214		3972	2224
3.237		58313	38283
3.274		9054	9813
3.321		15576	18997
3.338		26094	15305
3.397		105215	116359
3.432		64713	52552
3.467		1883	803
3.507		62951	40647
3.542		46799	29662
3.566		50595	28702
3.583		14445	7420
3.67		50109	33076
3.693		27077	17309
3.716		15535	8049
3.743		15245	7350
3.76		46203	27596
3.801		17519	12756
3.842		8824	7349
3.872		13078	7648
3.894		67663	44902
3.919		15521	9597
3.96		43141	36171
3.993		56408	39087
4.029		3016	1968
4.042		3827	2100
4.093		11213	9047
4.139		8890	8405
4.167		3033	2617

RT B	Compound B	Height B	Area B
4.194		20291	14150
4.239		15743	13133
4.257		15623	7984
4.27		36290	21088
4.296		24221	23950
4.348		130022	102188
4.418		15149	10337
4.442		31007	22594
4.485		145789	116288
4.587		118577	114202
4.612		5790	3223
4.641		16058	11560
4.679		38642	41968
4.715		152291	132470
4.748		75914	56797
4.787		52149	43491
4.863		14893	11484
4.886		14757	12995
4.937		102193	82274
4.961		15325	10329
5.011		58376	52596
5.046		29456	23502
5.075		19040	14873
5.108		9853	5880
5.13		212125	187482
5.173		6332	5174
5.203		9824	7598
5.24		2052	1718
5.27		1297	1050
5.295		1781	1000
5.322		3590	2306
5.345		49297	43675
5.385		73291	69493
5.414		8649	14884
5.497		9999	24064
5.543		8603	8303
5.588		9969	9444
5.663		30700	34189
5.714		4931	3732
5.769		63902	56065
5.798		6717	5553
5.835		1119	761
5.878		14163	13638
5.94		2072	1898
5.968		25868	25587
6.063		1109	3522
6.127	DCB	251629	223512
6.197		14709	54847
6.286		5644	19621
6.311		1832	1259
6.364		2298	7066
6.453		5947	9443
6.593		5992	41448
6.633		6776	10409
6.691		12130	24657
6.758		7197	22067
6.816		3076	7039
6.865		2919	2159
6.922		6669	16070

MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.028.RAW



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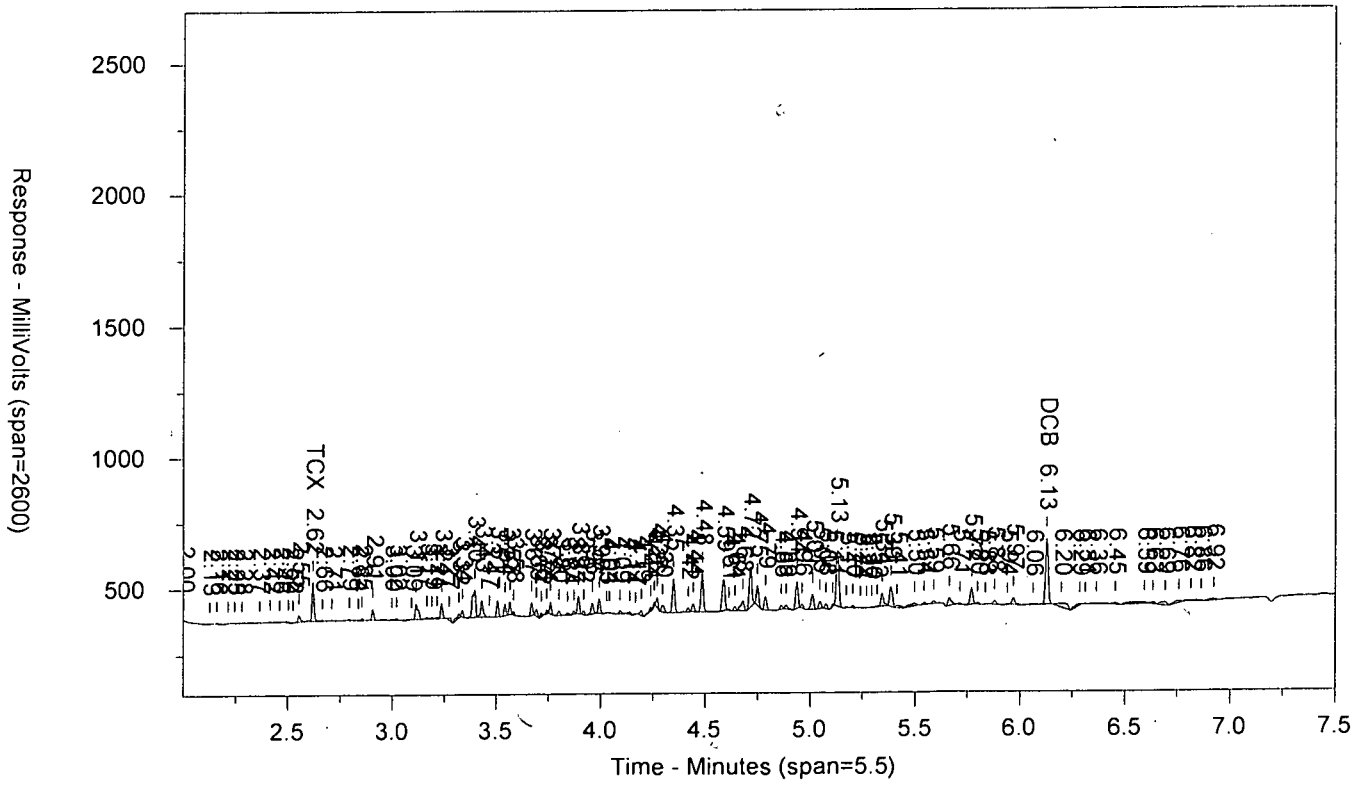


LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:47:47 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

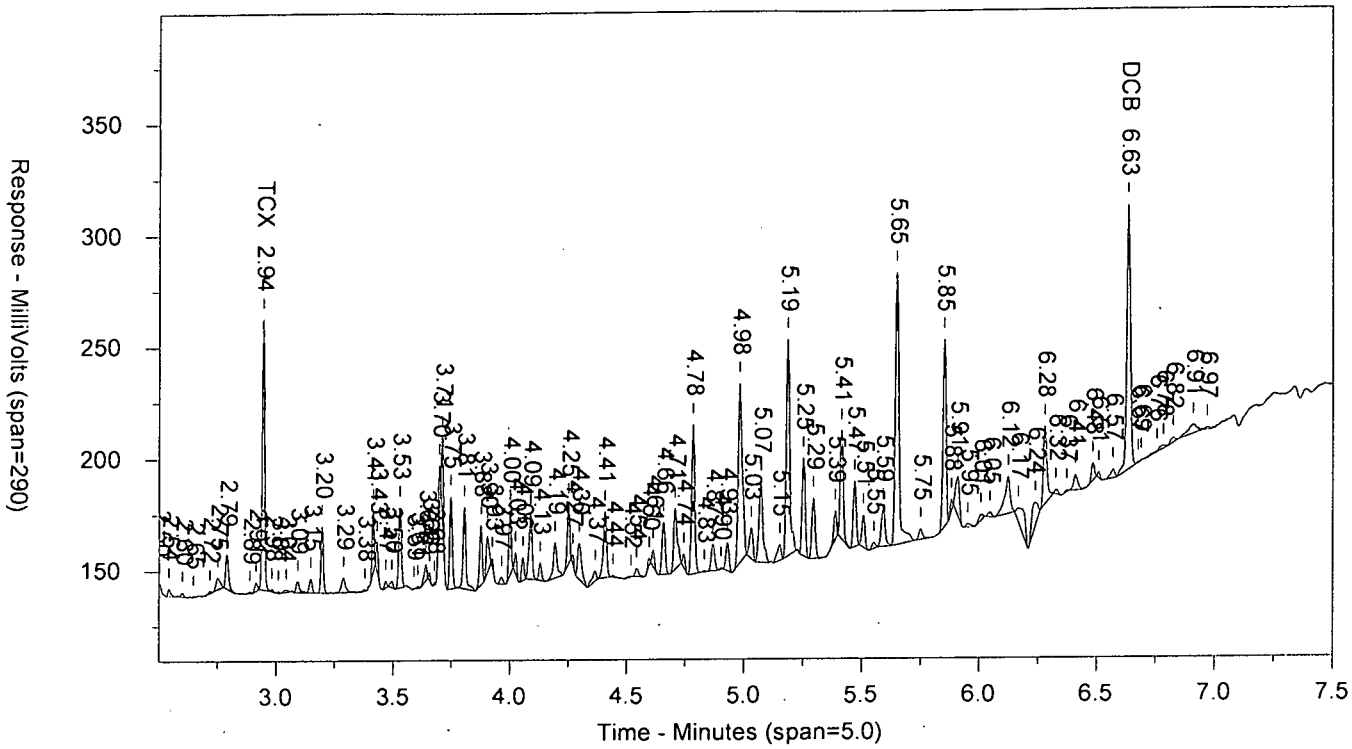
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	121328	.868	TCX	2.62	148620	.78	TCX
6.633	118856	1.192	DCB	6.127	251629	1.067	DCB

Files:
Area File: 25pcbs17116001.028.RAW
Area File: 25pcbs17116001B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:56:18 PM
File Reported On: 4/26/2017 at 6:56:25 PM

MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.028.RAW



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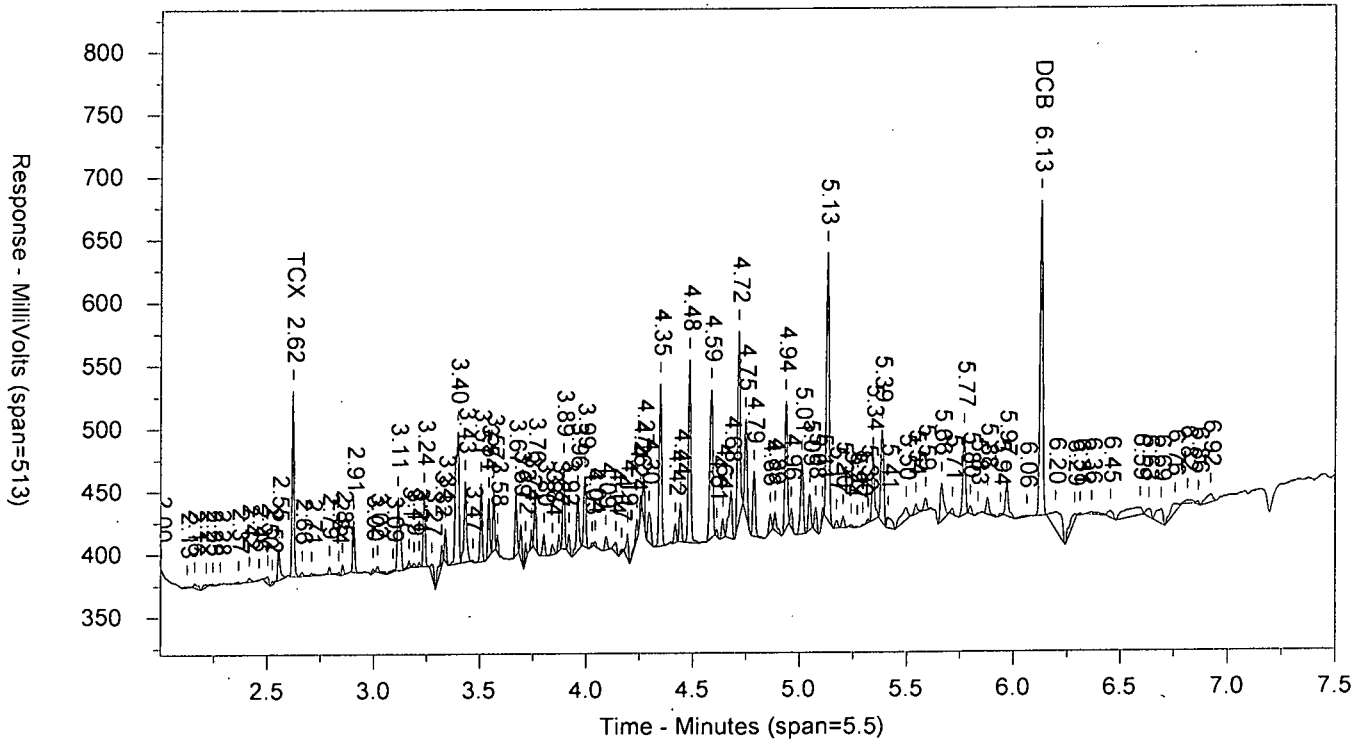

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:58:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.043		5489	6744
2.09		1773	2978
2.153		2073	2815
2.239		25558	20565
2.346		11942	12993
2.44		612	575
2.492		255	482
2.503		2167	1604
2.542		893	819
2.578		5694	3915
2.669		589	616
2.725		331	510
2.758		1976	2459
2.856		1295	1085
2.912		1477	1091
2.944	TCX	5723333	3979629
3.043		2407	2509
3.091		85137	73744
3.147		123480	118451
3.195		460315	340155
3.273		6521	3257
3.29		56507	37244
3.33		1456	1233
3.371		156	248
3.413		457032	285031
3.43		216220	116422
3.467		55683	32997
3.483		5536	2173
3.493		27461	14085
3.529		579228	458749
3.566		2228	1122
3.585		19161	11164
3.605		19413	11506
3.639		121657	72534
3.654		61890	30999
3.698		172427	124736
3.708		586866	316886
3.746		696301	536947
3.804		612519	475892
3.845		48486	35192
3.875		384638	289729
3.902		262129	227913
3.924		60201	33743
3.998		409659	312152
4.022		141381	93657
4.055		156931	114208
4.087		378512	380135
4.128		112664	92718
4.176		5142	2992
4.19		6975	4184
4.215		14652	9970
4.25		373212	389599
4.291		66275	53451
4.362		57250	50185

RT A	Compound A	Height A	Area A
4.405		397184	395740
4.439		10432	7204
4.5		4579	3784
4.541		52501	51685
4.594		40934	27717
4.61		114587	83868
4.655		252697	235527
4.705		424550	464801
4.741		86169	62263
4.78		906286	900984
4.825		9380	7815
4.865		146730	152010
4.901		14471	10347
4.927		173721	166667
4.979		1110259	1437335
5.031		224115	215375
5.069		532858	613334
5.148		123637	143636
5.183		1394159	1439619
5.225		17324	7999
5.251		656069	629681
5.292		398921	414465
5.386		176399	142872
5.411		741759	666463
5.467		394664	375719
5.506		224472	230280
5.547		49229	51923
5.588		237747	280205
5.645		1947349	2055737
5.746		1279	1626
5.793		1094	1066
5.849		1158314	1127538
5.879		74681	48272
5.905		245240	278746
5.946		2141	2177
5.998		1319	962
6.042		90215	90164
6.12		242900	359679
6.239		4379	12195
6.276		498886	526278
6.321		36642	34575
6.365		1116	1099
6.408		1967	2142
6.48		226363	240765
6.547		658	310
6.63	DCB	3995764	4110999
6.691		2427	2274
6.726		744	657
6.741		579	156
6.758		671	335
6.777		2242	2425
6.828		1593	2126
6.865		248	438
6.881		685	535
6.899		1373	2100
6.982		349	989

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:58:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9634	7953
2.244		1395	3266
2.305		5569	4036
2.417		1424	2180
2.577		2305	5393
2.621	TCX	7635530	4683940
2.665		48727	33701
2.793		125862	89411
2.839		68601	33766
2.854		106944	56586
2.906		635633	407419
2.956		19016	12211
3.017		91706	59542
3.081		1089	1032
3.114		894555	880683
3.166		106822	67542
3.187		52474	29728
3.213		72443	41689
3.237		886110	590961
3.273		36358	21365
3.301		30352	15195
3.32		221213	116520
3.336		120631	58493
3.386		475250	227306
3.396		1034233	459610
3.43		1015851	749943
3.505		1052205	649229
3.54		688117	427267
3.564		773775	428047
3.582		239614	121231
3.668		842024	562539
3.691		309574	171896
3.712		277532	169517
3.741		194251	101793
3.758		599665	354272
3.8		197144	144752
3.847		29430	28616
3.87		94643	56635
3.892		757786	493069
3.917		114368	68346
3.937		16316	7447
3.957		126300	85244
3.991		728499	523320
4.026		36025	21848
4.041		42909	31581
4.092		9174	11111
4.136		58328	72261
4.169		5774	3223
4.194		188458	135227
4.236		225046	137368
4.254		158437	76839
4.268		621164	362344
4.294		354716	346507
4.346		2023290	1509109

RT B	Compound B	Height B	Area B
4.394		28028	26325
4.416		143597	95646
4.44		424696	315510
4.483		2284273	1785995
4.586		2034442	1857170
4.639		235545	196986
4.677		531108	474277
4.713		2492175	2068604
4.746		1257391	894194
4.784		838641	660389
4.884		301025	308474
4.935		1694020	1320024
4.959		177898	113443
5.009		859915	795561
5.045		425098	340519
5.074		328169	272275
5.107		105846	62659
5.128		4167328	3305464
5.17		82110	62612
5.201		182660	154145
5.281		2416	1461
5.319		44928	27438
5.343		802045	666098
5.387		2076658	2308066
5.489		4140	6351
5.543		173495	153193
5.588		64798	45900
5.611		136719	104947
5.66		471311	408255
5.767		1096752	907453
5.798		63572	49090
5.919		2526	1639
5.966		463107	415312
6.088		1157	1173
6.126	DCB	9365008	8139835
6.267		1193	1095
6.302		7007	11468
6.514		1326	839
6.581		10114	9782
6.634		1831	1132
6.754		3076	5631
6.928		1929	4799

IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082

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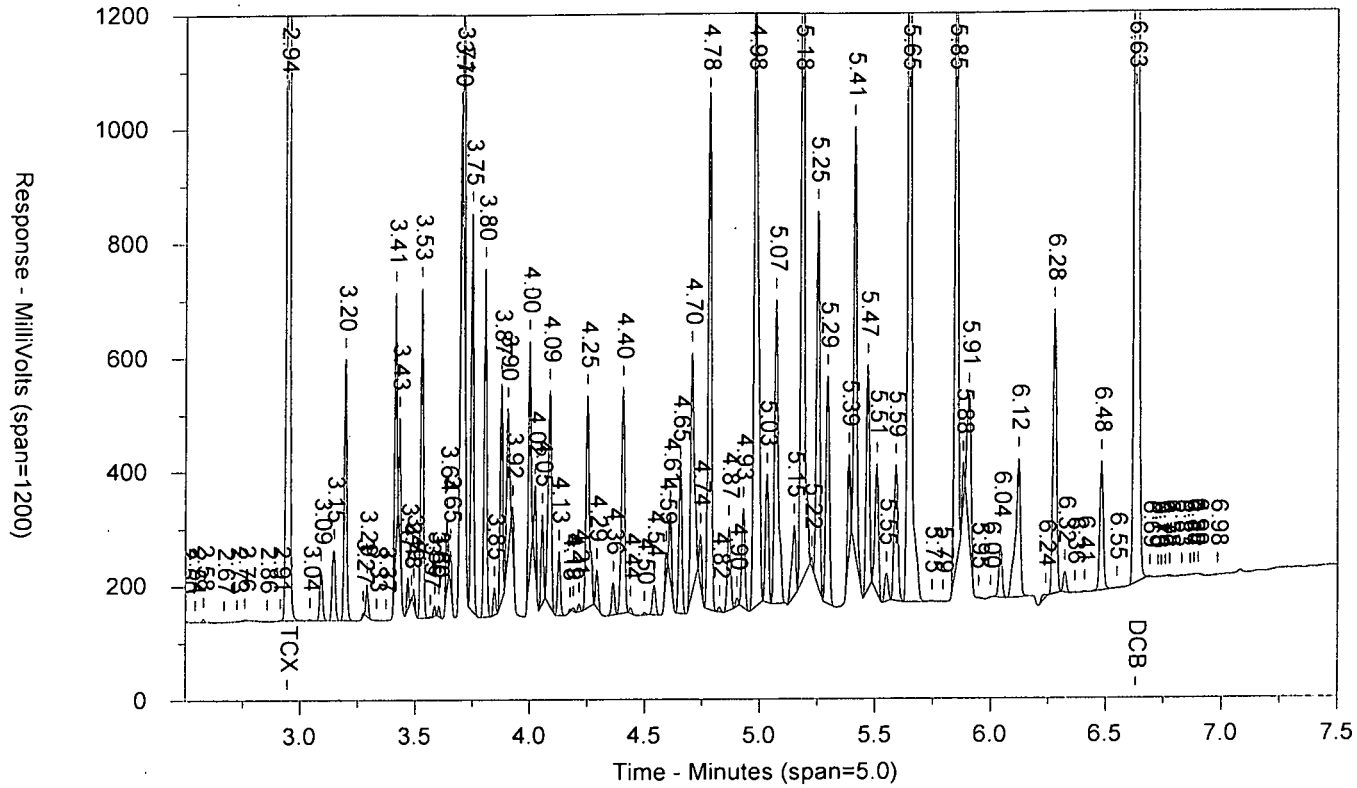

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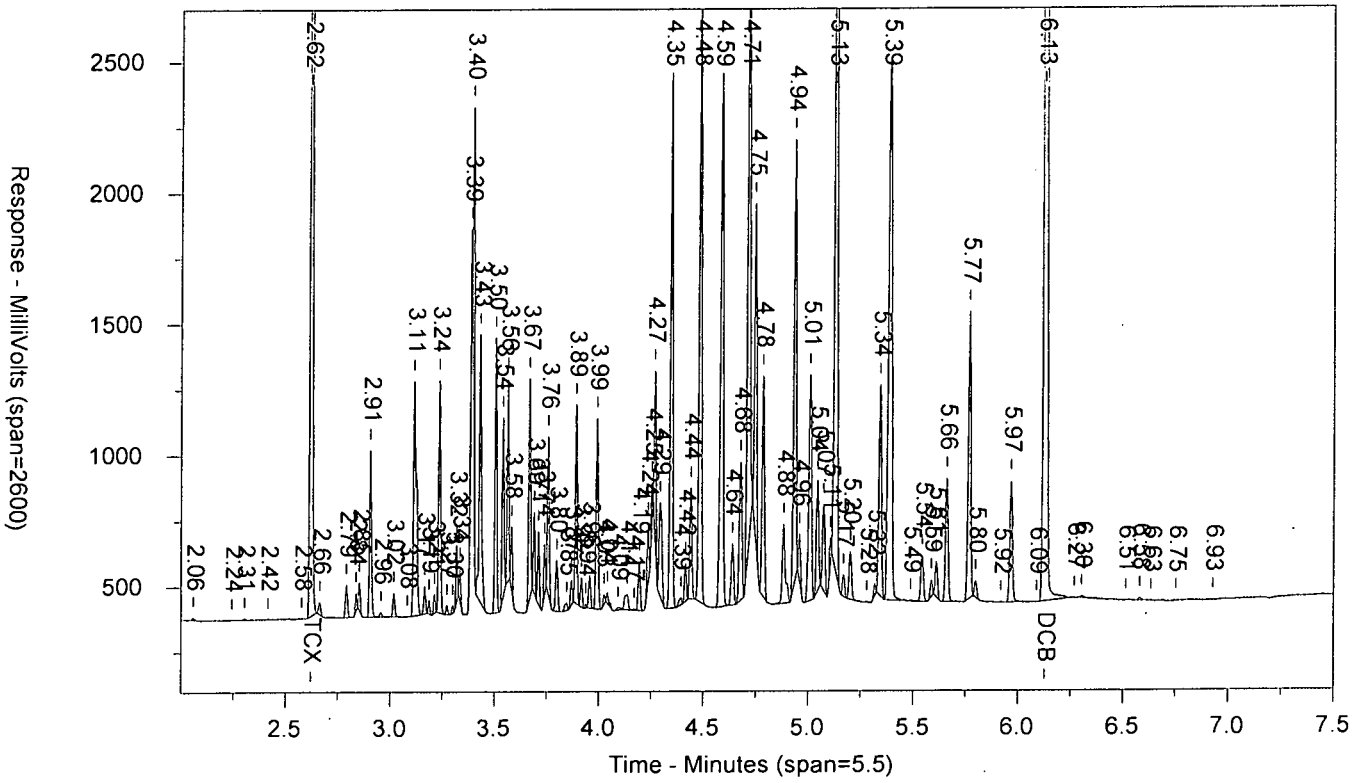


LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:58:56 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

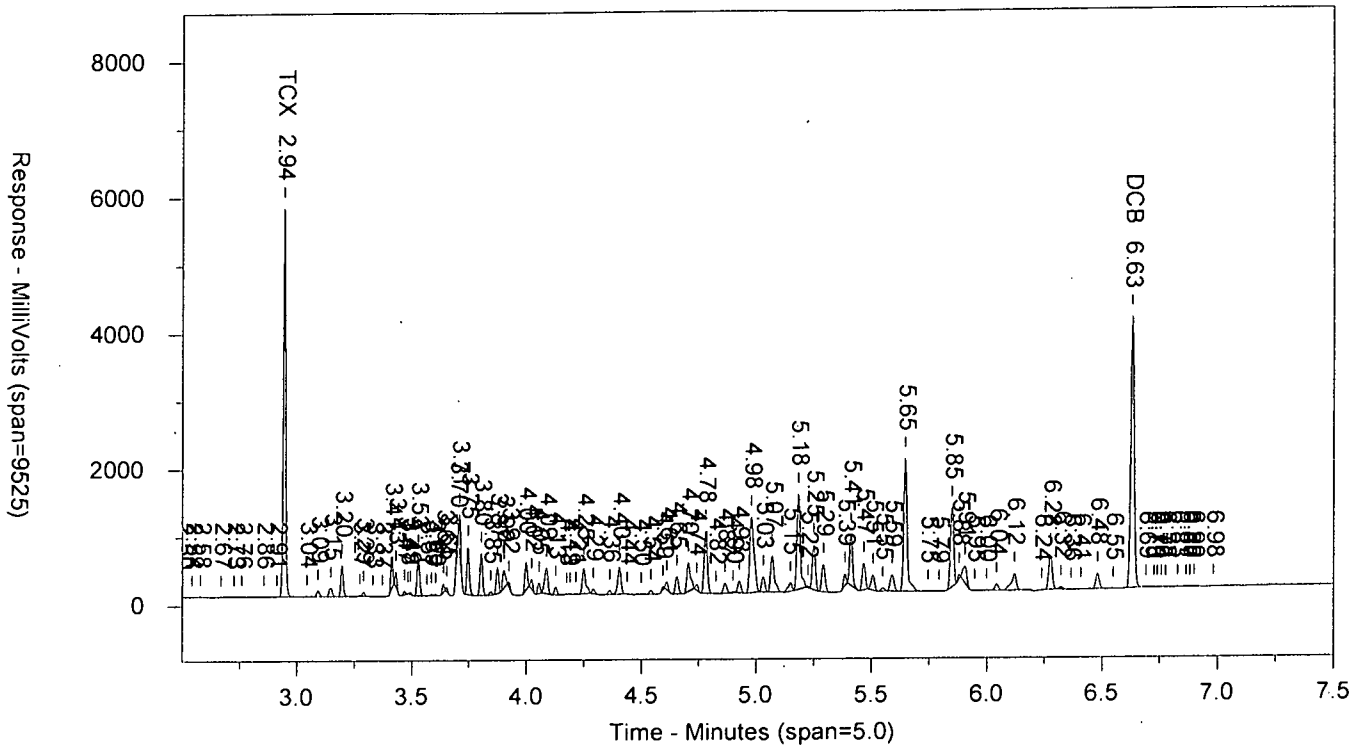
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	5723333	40.947	TCX	2.621	7635530	40.097	TCX
6.63	3995764	40.085	DCB	6.126	9365008	39.728	DCB

Files:
Area File: 25pcbs17116001.029.RAW
Area File: 25pcbs17116001B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 7:07:26 PM
File Reported On: 4/26/2017 at 7:07:35 PM

IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.029.RAW



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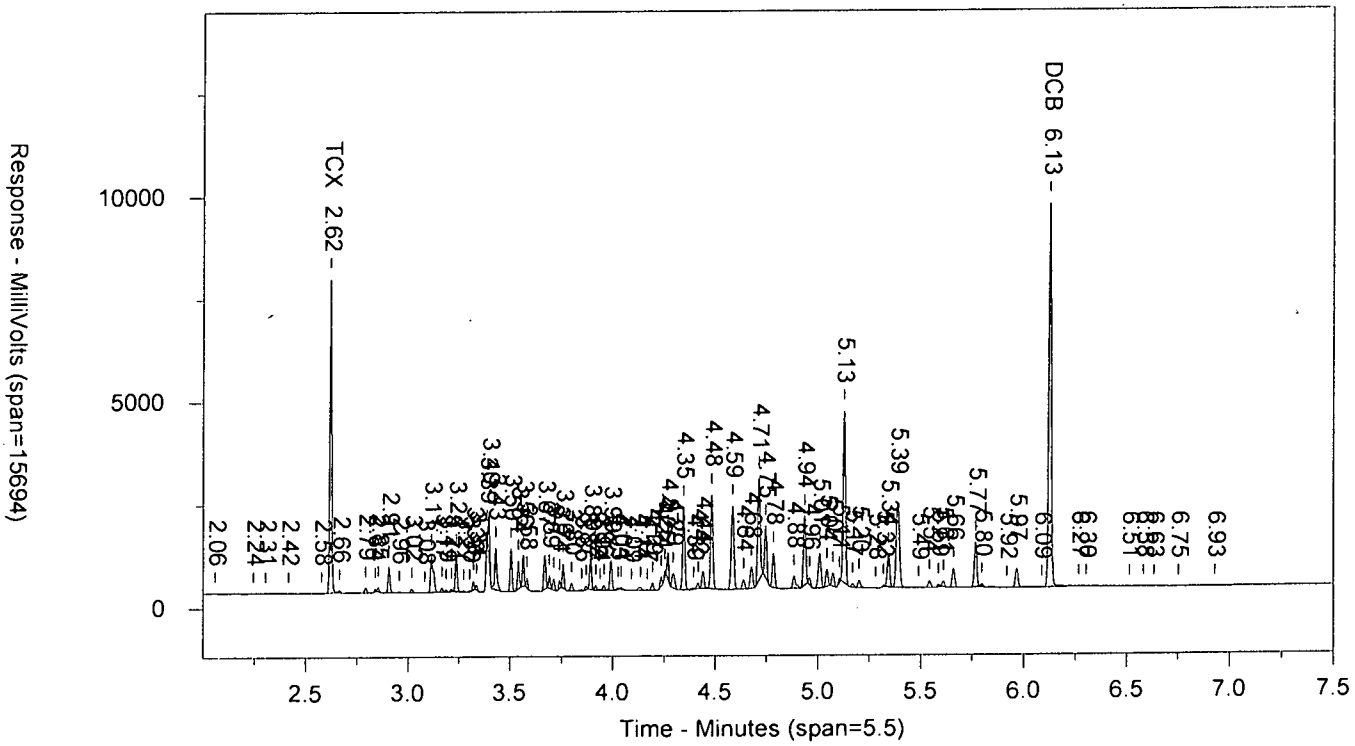

LANCASTER LABORATORIES

Sample Number: IBLKX1724A IAPIBLKIA PIBLK1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:01:57 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17116001.0039.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1711601.CAL

RT A	Compound A	Height A	Area A
1.633		11482	40421
1.763		3039	2967
1.811		2254	1829
2.1		16778	40019
2.12		8009	8646
2.206		6204	11522
2.266		18571	12020
2.368		29582	24863
2.515		13785	15539
2.551		21602	27831
2.572		10904	9658
2.824		18027	13390
2.919		19925	39287
2.976	TCX	4433052	2998351
3.175		55460	38288
3.262		2264	1132
3.341		9485	19863
3.5		2555	1471
3.526		4693	4137
3.552		3881	2224
3.578		2899	1881
3.62		29795	37797
3.677		7751	10569
3.726		11946	9724
3.844		1701	918
3.911		5582	4902
4.013		12234	17802
4.083		1610	754
4.234		4989	5114
4.352		36707	46942
4.399		16590	40855
4.475		2694	3993
4.72		6204	12656
4.971		25307	35007
5.025		5717	21388
5.109		7829	33191
5.458		4462	19340
5.523		2538	2258
5.763		4572	7563
6.096		17011	30713
6.157		7044	6568
6.316		1731	973
6.357		2971	4671
6.433		2595	2053
6.53		29189	28755
6.636		13866	18876
6.678	DCB	3522399	3661985
7.142		5344	7736
7.758		2286	3900
7.923		1589	709

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:10:14 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.030.RAW .
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.043		3786	5342
2.091		3159	4738
2.239		26120	21608
2.29		582	509
2.34		28820	28338
2.444		1261	2033
2.504		1893	3489
2.523		1184	629
2.544		1632	1498
2.579		808	599
2.676		430	515
2.718		951	861
2.759		2040	2339
2.791		27131	26557
2.894		289	408
2.914		1066	651
2.945	TCX	5853775	4007185
3.042		2687	2281
3.094		16910	15485
3.143		78364	58012
3.197		71047	50810
3.274		10231	5486
3.291		13795	8458
3.382		401	373
3.415		226429	142706
3.431		67086	33597
3.469		16098	9591
3.485		3943	4025
3.53		226807	179631
3.587		18851	11440
3.607		10869	6738
3.641		44883	26666
3.656		9359	4467
3.699		198571	106760
3.71		222545	105552
3.748		302259	239524
3.805		327887	260798
3.848		50333	35517
3.876		534159	403913
3.904		319089	259511
3.925		87368	51922
4.001		612684	465074
4.025		169896	115008
4.056		218925	164532
4.09		546806	516454
4.13		185964	157259
4.177		13698	9124
4.193		4767	2167
4.217		60538	45520
4.25		414830	283225
4.27		539215	346760
4.293		638162	497123
4.364		58565	55140
4.397		401238	326296

RT A	Compound A	Height A	Area A
4.416		136314	84977
4.442		157218	114151
4.482		9337	6169
4.504		35653	27390
4.545		185985	173991
4.595		260651	232707
4.627		157170	118422
4.657		444151	404252
4.707		4107	2845
4.739		175273	173426
4.784		35930	44336
4.829		46820	43837
4.869		319435	311579
4.904		10800	8061
4.948		31527	39936
4.982		40421	65869
5.03		1028	696
5.065		326968	333903
5.114		8164	6210
5.145		23158	26089
5.185		82656	73262
5.207		3383	1560
5.224		5036	3324
5.253		2733	2308
5.297		954	872
5.326		1279	1218
5.389		31280	26385
5.414		4981	3081
5.441		1248	961
5.47		2333	1665
5.503		2164	2702
5.549		15658	16183
5.587		18160	15598
5.613		3159	2133
5.648		6940	4953
5.671		30964	26125
5.762		376	427
5.829		421	95
5.851		11684	11282
5.904		2975	5326
5.961		503	382
6.008		1395	1547
6.044		49423	48293
6.107		55717	67968
6.171		608	476
6.245		565	1277
6.28		1850	2486
6.369		1276	2156
6.41		1670	2317
6.455		988	785
6.482		50814	53475
6.543		517	358
6.564		475	278
6.584		586	416
6.632	DCB	3987068	4128765
6.727		1077	884
6.752		706	433
6.768		1219	1207
6.824		2556	3859
6.876		918	674
6.895		482	204
6.904		1674	1985
6.986		887	1914

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:10:14 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		13808	23385
2.121		5090	11466
2.273		1516	6461
2.359		920	949
2.413		1366	1908
2.503		3567	3776
2.528		3410	3939
2.554		54585	49094
2.62	TCX	7628969	4752805
2.711		2154	2349
2.793		26221	19326
2.839		94950	67279
2.907		96170	62970
2.956		18875	11282
3.018		25543	16302
3.115		400328	370775
3.166		31506	18669
3.189		12148	7908
3.214		8904	4852
3.237		336073	230072
3.275		22286	14175
3.302		35033	18458
3.321		74695	39209
3.337		42378	21762
3.397		843782	938988
3.417		63783	26612
3.431		343203	219789
3.506		540761	350848
3.541		976829	600200
3.565		923061	760369
3.669		1229605	782193
3.692		372131	207343
3.713		402085	242978
3.742		197541	98669
3.759		898089	544704
3.8		332930	247796
3.849		71058	59649
3.871		720301	453239
3.894		1833564	1158669
3.918		1298492	805182
3.938		93705	45407
3.957		107054	65082
3.993		505180	345003
4.028		960628	722801
4.056		493210	287886
4.104		73565	58156
4.138		321663	250977
4.171		4813	2170
4.196		549420	422845
4.228		334705	238049
4.256		914542	645229
4.294		16720	15447
4.349		348843	342548
4.385		95518	69995

RT B	Compound B	Height B	Area B
4.417		602129	450468
4.441		13543	6665
4.459		14313	8097
4.485		59945	39543
4.51		53813	38775
4.583		92406	88607
4.636		614367	491548
4.686		37782	44793
4.716		162876	151680
4.762		20908	14460
4.786		3681	2810
4.845		1409	757
4.864		3674	2488
4.904		9189	6914
4.937		8782	6247
4.961		63803	53230
5.007		7792	8748
5.046		3351	2948
5.08		28023	22027
5.109		30439	21871
5.13		13665	8224
5.149		5346	2588
5.203		69640	60262
5.345		8947	7631
5.39		20414	21218
5.545		101247	88436
5.613		115241	101262
5.662		23064	22987
5.771		6314	6285
5.85		1362	1086
5.922		2011	1489
5.968		102708	89361
5.998		2975	2091
6.021		2202	1280
6.128	DCB	8994561	8181347
6.371		1866	2581
6.585		9157	8769
6.687		1209	1541
6.843		1076	3273
6.923		1616	2753
6.967		1030	1017

IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082

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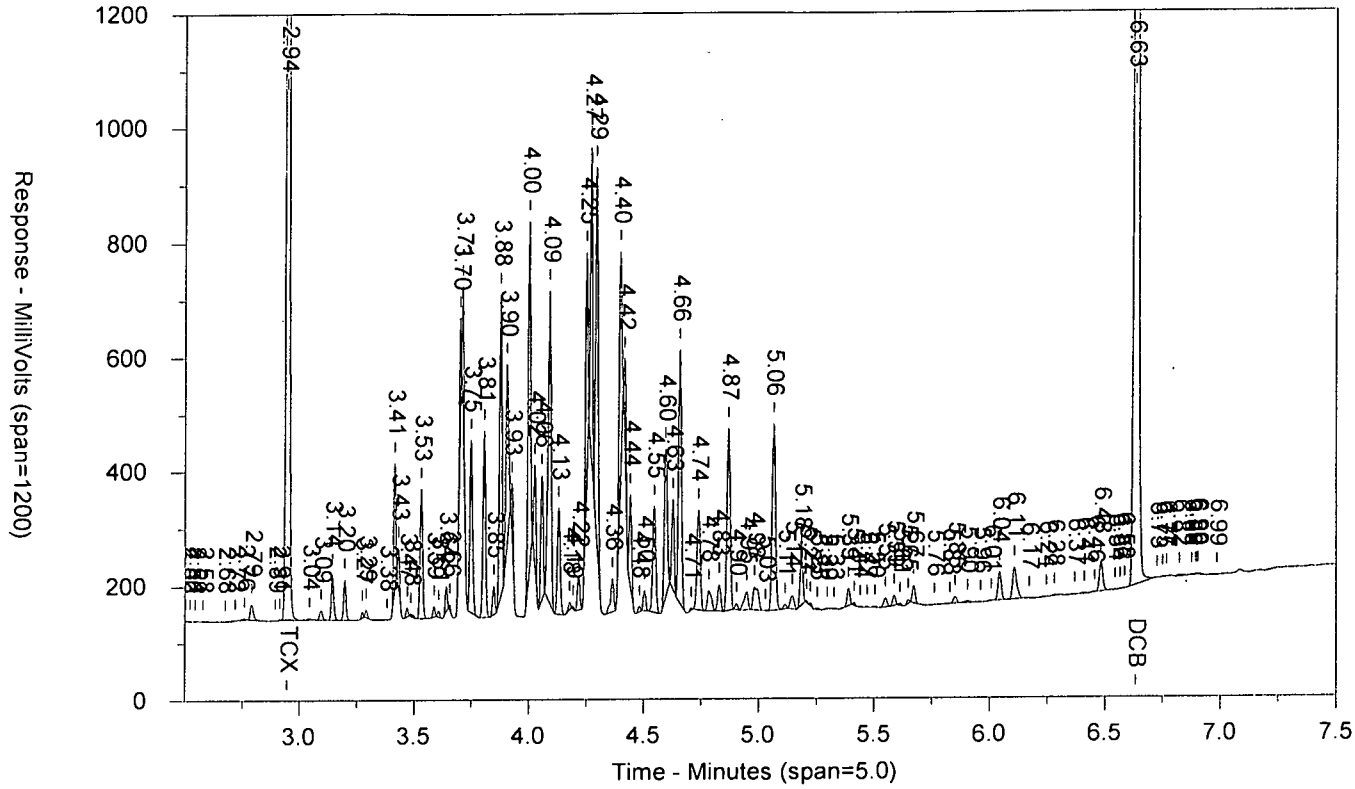

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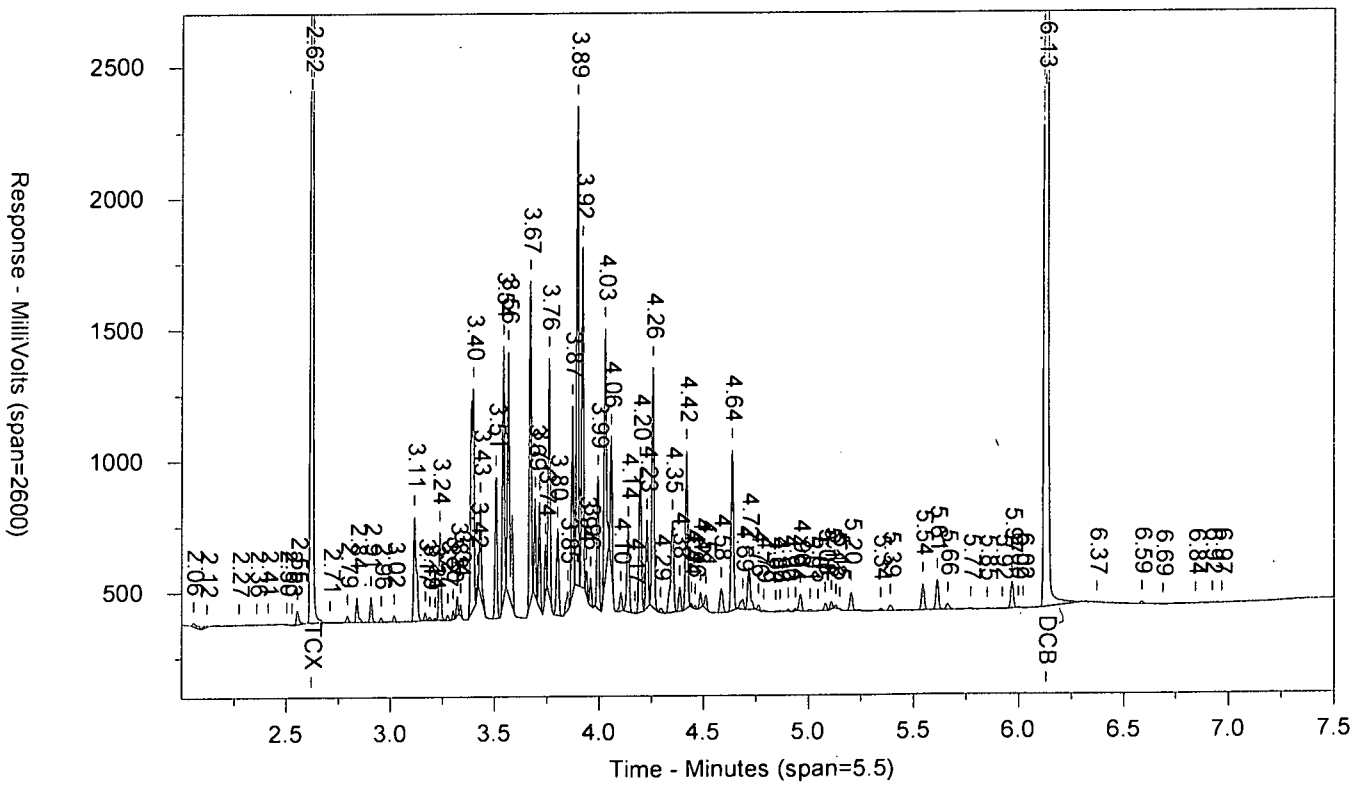

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:10:14 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5853775	41.88	TCX	2.62	7628969	40.062	TCX
6.632	3987068	39.997	DCB	6.128	8994561	38.156	DCB

Files:
Area File: 25pcbs17116001.030.RAW
Area File: 25pcbs17116001B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 7:18:45 PM
File Reported On: 4/26/2017 at 7:18:52 PM

IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082

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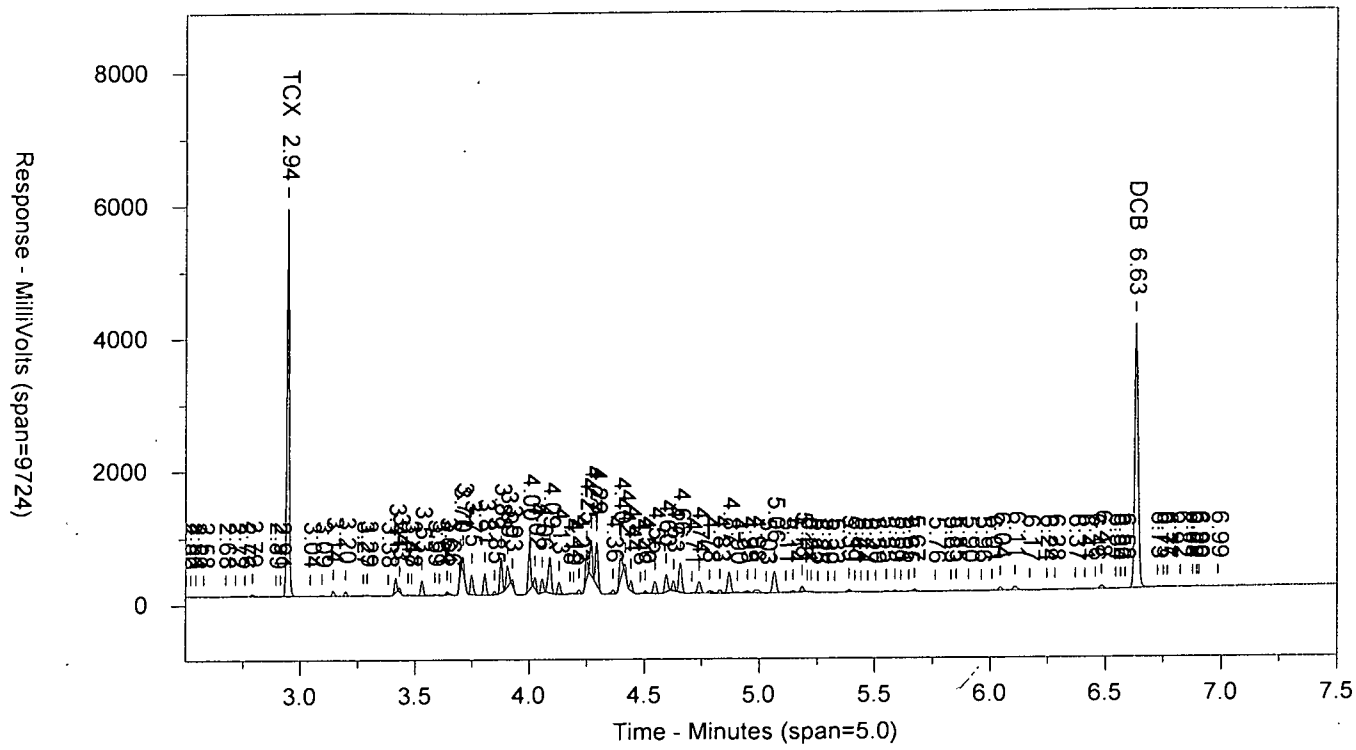

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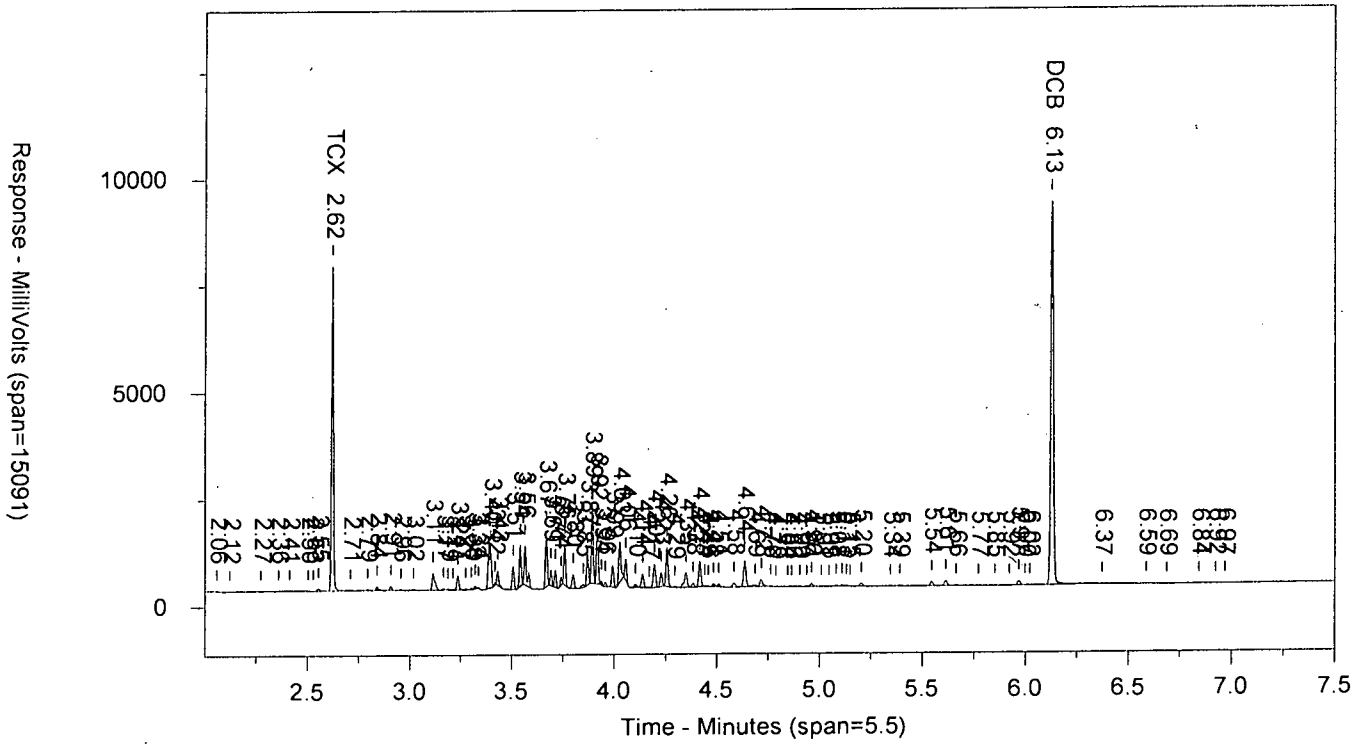

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:21:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.046		7502	8640
2.096		3948	6736
2.241		12882	10798
2.305		557	822
2.342		19976	16716
2.375		588	387
2.505		4329	5023
2.547		1312	1197
2.602		620	604
2.672		626	459
2.726		510	1313
2.761		2031	2537
2.793		27198	26992
2.895		589	298
2.918		2622	1928
2.947	TCX	2733105	1918933
3.044		1391	1017
3.068		805	429
3.096		4156	3294
3.145		37618	27265
3.2		11839	8734
3.236		476	358
3.278		7664	10595
3.385		329	158
3.419		18418	11304
3.436		6389	3789
3.489		6380	6328
3.534		18886	14647
3.562		943	560
3.592		9953	6021
3.612		12237	7933
3.645		4678	4098
3.661		1329	662
3.703		35886	54089
3.754		45223	34949
3.81		23503	18945
3.852		3615	2281
3.88		498688	384112
3.908		131198	123962
3.967		1019	958
4.005		318783	252751
4.029		16294	9167
4.062		33912	24812
4.095		145759	135935
4.135		28269	24322
4.183		1517	1776
4.198		8965	5728
4.221		26119	18068
4.256		660947	474378
4.274		234978	127530
4.3		205434	180183
4.37		213377	185254
4.411		1123986	1222729
4.446		425559	358343

RT A	Compound A	Height A	Area A
4.487		15243	9886
4.509		81267	63361
4.551		421529	387060
4.6		773290	687498
4.631		175940	121942
4.662		1536838	1374437
4.712		72201	52079
4.726		9983	3667
4.745		191496	151259
4.788		479908	510062
4.833		113021	102194
4.874		1123859	1065523
4.906		23406	14565
4.934		125164	159778
4.987		613842	972574
5.037		12721	9484
5.071		815982	878745
5.119		98083	76705
5.143		35955	23905
5.155		27878	16642
5.19		1076023	993803
5.211		56783	24011
5.229		41764	24028
5.257		40904	33553
5.299		50999	60426
5.393		349032	310488
5.418		87436	61775
5.447		2545	1328
5.473		48419	43772
5.512		46224	41495
5.552		13761	12134
5.59		243155	220568
5.615		32560	22102
5.651		175276	168458
5.674		2773	2650
5.751		1704	2686
5.82		390	234
5.855		164718	156756
5.885		23082	17360
5.962		969	1274
6.015		2479	3827
6.048		23635	21748
6.111		28950	46404
6.246		474	795
6.284		10602	14322
6.369		1117	1439
6.417		1139	1853
6.459		586	447
6.487		24502	25622
6.568		2260	3310
6.636	DCB	1957827	2100318
6.723		491	352
6.732		885	340
6.754		637	207
6.778		2487	3232
6.83		4243	6636
6.911		3205	5755
6.959		718	577

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:21:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.056		5308	5850
2.21		4479	8817
2.416		1647	1948
2.471		1222	1284
2.538		2541	900
2.554		53205	44849
2.621	TCX	3674005	2233443
2.794		5552	4969
2.84		49823	30305
2.907		17132	11142
2.957		9570	6530
3.02		2218	2313
3.116		37371	36218
3.169		2501	1628
3.19		9727	6574
3.24		30119	20873
3.277		23354	15276
3.304		19044	10484
3.324		6361	3199
3.34		18660	11120
3.39		51825	56063
3.42		15106	6624
3.434		47629	34991
3.51		42527	27901
3.544		915009	557450
3.568		278087	161925
3.586		29836	13281
3.672		544420	354628
3.696		46890	24673
3.717		68692	45747
3.747		44166	22162
3.763		217234	132224
3.804		62997	47466
3.844		49318	43436
3.874		199806	115142
3.897		2285227	1543213
3.922		236749	130733
3.942		197550	110998
3.961		395299	248112
3.997		2079317	1417519
4.028		786595	484063
4.046		470737	246998
4.107		157141	119849
4.142		792213	594366
4.199		1768487	1265356
4.232		461565	340399
4.259		3095387	2336083
4.298		216617	210492
4.352		1460722	1234089
4.389		219009	166070
4.421		2136299	1494175
4.445		292454	191138
4.488		1182640	899787
4.514		63267	37329

RT B	Compound B	Height B	Area B
4.588		1084604	1110491
4.64		1548229	1217115
4.68		374331	312733
4.719		2450114	2325339
4.766		171361	108984
4.79		68783	47589
4.85		28545	30672
4.889		5751	3060
4.907		106091	84725
4.94		113077	79937
4.964		729948	587331
5.015		99164	84681
5.05		82884	67546
5.08		50573	41686
5.112		374006	266522
5.134		254131	213230
5.206		36774	35487
5.348		14963	13042
5.391		318512	335379
5.548		47188	43971
5.594		12556	8874
5.616		47051	36933
5.665		16617	14426
5.772		20544	18914
5.858		1476	2204
5.971		50023	51241
6.005		2075	1668
6.131	DCB	4666730	4074549
6.196		3706	5981
6.31		2333	2742
6.444		3688	4947
6.587		6439	16044
6.688		3074	6338
6.763		1155	656
6.933		2691	8120

IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082

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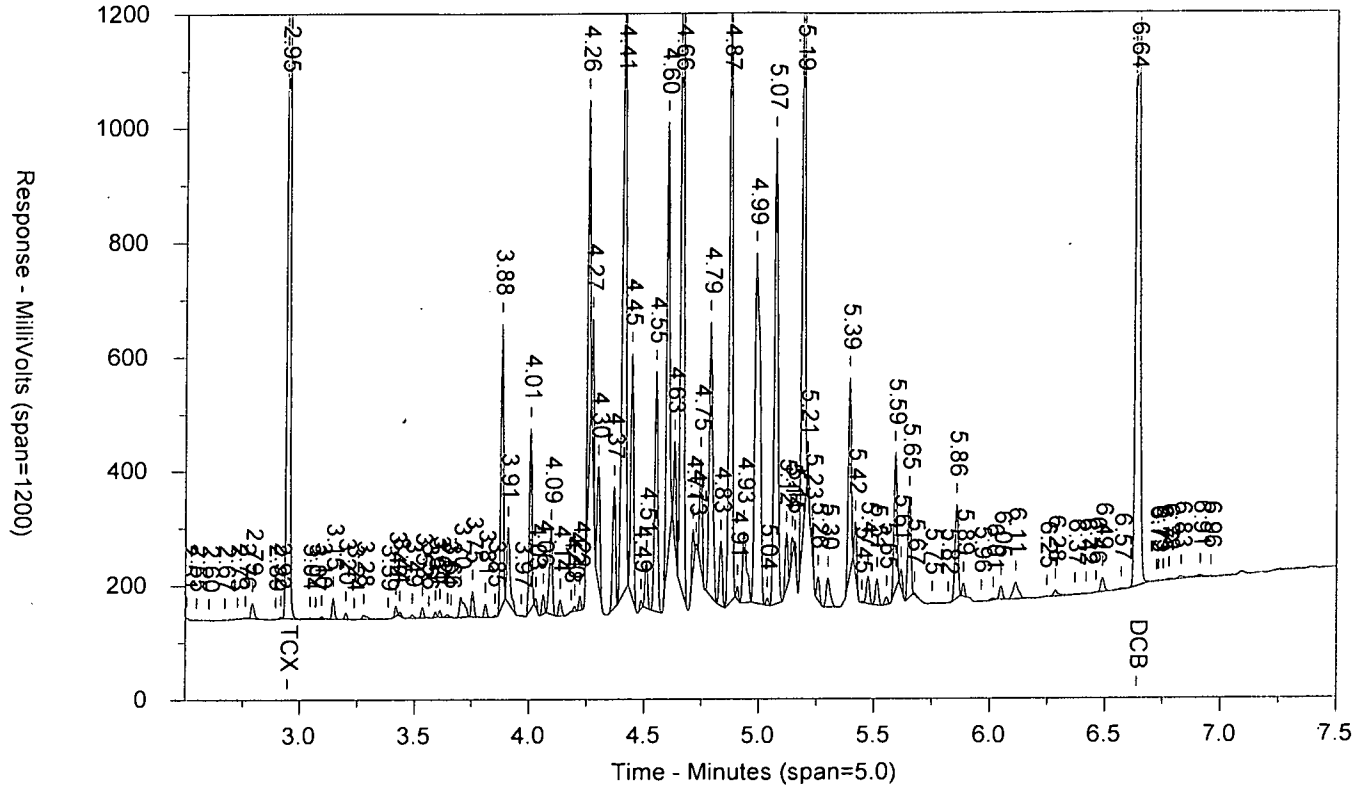

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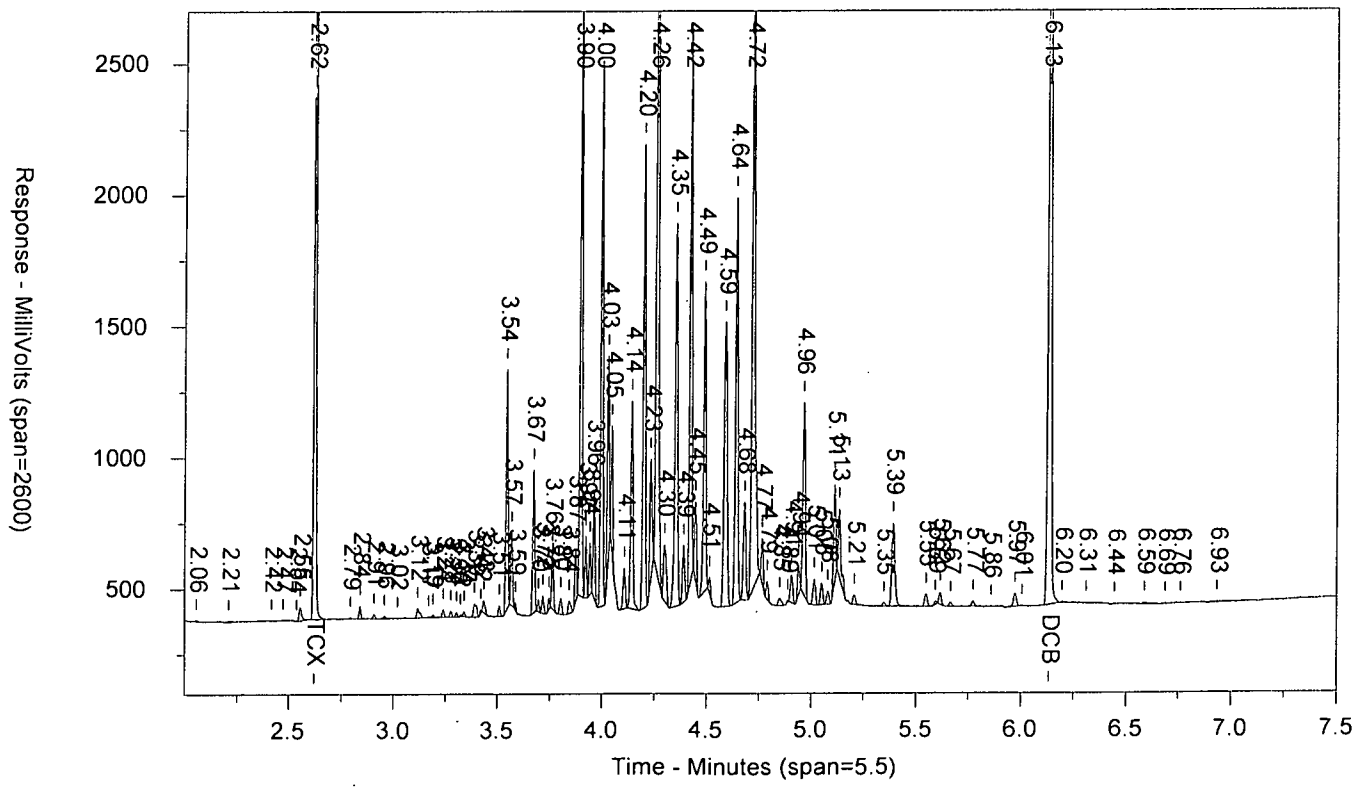

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:21:57 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	2733105	19.554	TCX	2.621	3674005	19.293	TCX
6.636	1957827	19.64	DCB	6.131	4666730	19.797	DCB

Files:
Area File: 25pcbs17116001.031.RAW
Area File: 25pcbs17116001B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 7:30:27 PM
File Reported On: 4/26/2017 at 7:30:36 PM

IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082

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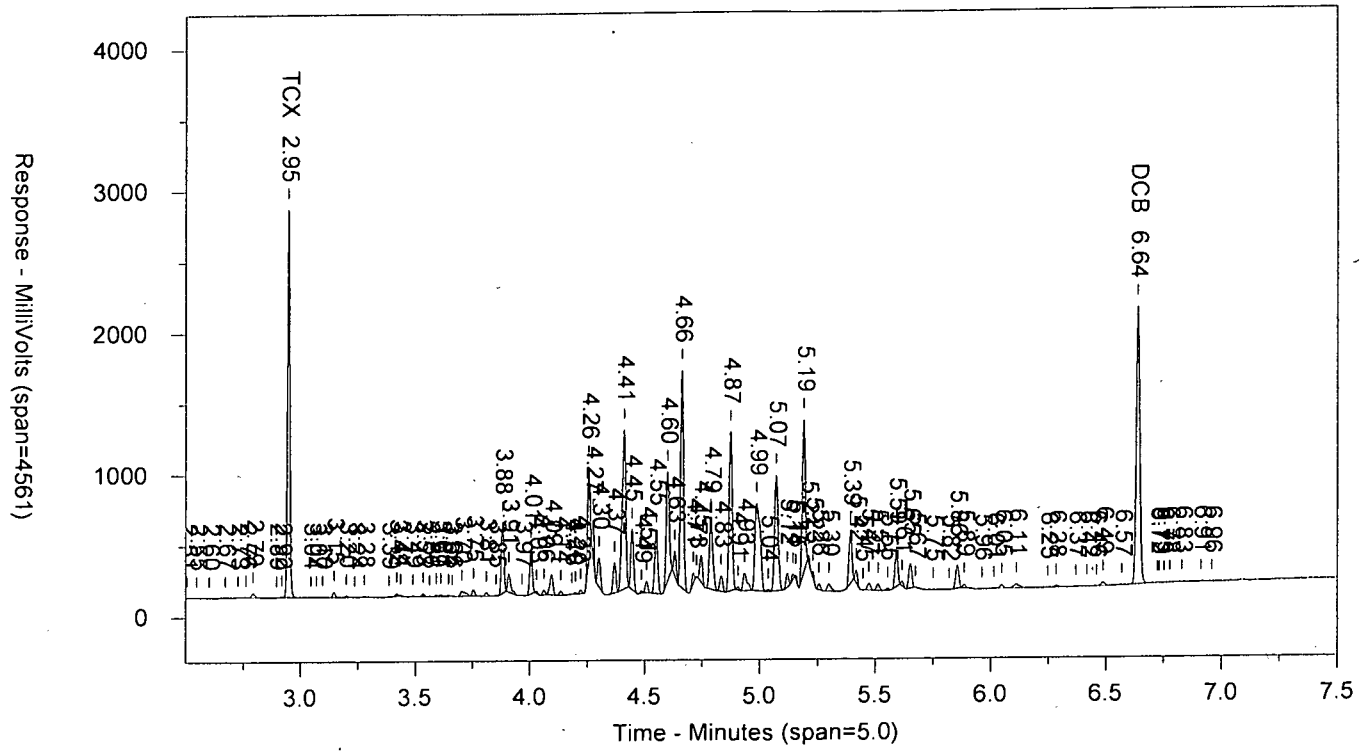

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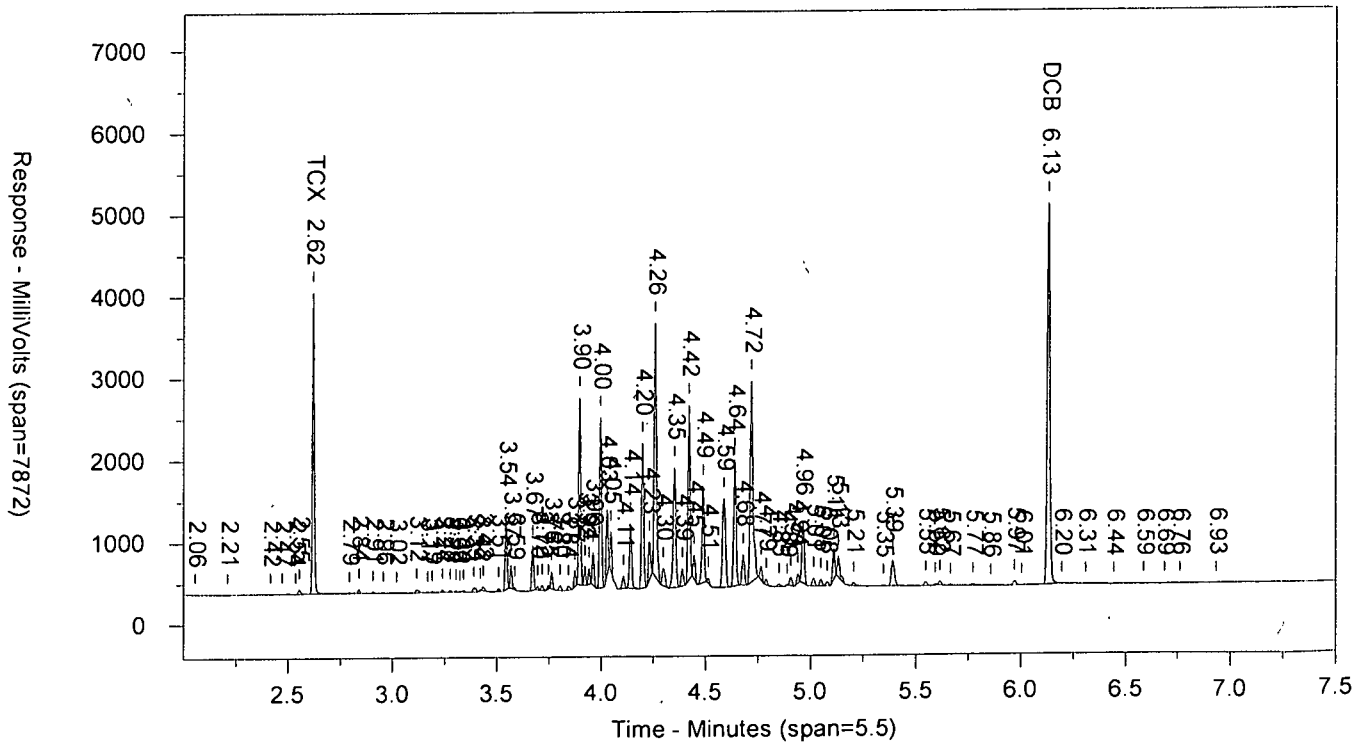

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:17:46 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.005.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.097		10351	22973
2.217		8093	6890
2.309		13352	8911
2.328		2253	1169
2.377		1896	2134
2.424		3596	3683
2.549		2766	1942
2.657		1328	1140
2.723		1183	1422
2.774		48669	42841
2.827		4138	4233
2.923	TCX	2190175	1480446
3.072		1059	969
3.123		30032	19010
3.191		4185	3519
3.231		727	551
3.254		5553	3721
3.311		938	755
3.463		814	619
3.493		1861	1317
3.53		2841	2665
3.569		7805	5002
3.667		4415	3781
3.731		834	438
3.849		2370	2762
4.005		821	547
4.171		2303	1804
4.297		7604	6578
4.402		1054	2152
4.511		2441	3244
4.854		1545	1437
4.88		2806	2102
4.926		1745	1771
5.12		6653	7437
5.205		2502	3138
5.53		7474	8218
5.651		11893	11207
5.837		2172	2660
6.022		18081	17483
6.088		15325	12996
6.109		2421	1469
6.303		1330	2858
6.332		1396	1510
6.396		997	838
6.468		15878	15449
6.614	DCB	1571934	1568764
6.922		829	3156
7.077		1207	2188
7.385		4370	68581
8.378		792	1028
8.535		912	1865

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:17:46 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.005.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		5070	4170
2.053		19278	13618
2.156		10892	10102
2.24		19388	33245
2.349		3646	3408
2.411		13901	15674
2.448		3701	2407
2.477		6150	4560
2.525		8148	7097
2.547		139202	113578
2.592		4151	1944
2.615	TCX	13497890	8027551
2.779		8147	4855
2.802		4403	2868
2.833		181836	119070
2.883		7990	10144
2.949		35183	21591
2.998		4527	5089
3.087		3300	2581
3.182		16069	22543
3.256		1660	1014
3.269		4290	1899
3.292		61578	36197
3.326		38423	23874
3.356		2460	1377
3.409		11202	8310
3.451		10604	16850
3.491		4157	5511
3.529		2070	976
3.545		2462	1195
3.565		3941	2435
3.586		2824	1392
3.61		3424	3595
3.732		7963	26313
3.775		4428	3242
3.816		2233	1362
3.936		7570	5112
3.986		5570	13287
4.076		55213	47971
4.113		3083	2223
4.154		3626	2347
4.2		8866	10595
4.247		7205	14970
4.332		1798	1706
4.374		3083	4081
4.442		24374	18026
4.532		3112	5459
4.583		10186	10153
4.645		5081	2800
4.67		39069	28721
4.842		6441	15553
4.983		3162	3561
5.064		39557	42741
5.186		74021	77324

RT B	Compound B	Height B	Area B
5.371		4696	4287
5.47		1912	1241
5.528		122755	103512
5.596		123852	115541
5.645		36634	35689
5.95		103800	86911
5.979		3273	2211
6.066		2313	2369
6.11	DCB	10753940	9517686
6.517		1882	1909
6.562		9523	11580
6.906		2483	3718
7.088		1776	1009
7.148		2335	1617
7.336		908	3362
7.443		3060	8497
7.483		1997	2090
8.152		1882	3962
8.222		16479	32043

IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082

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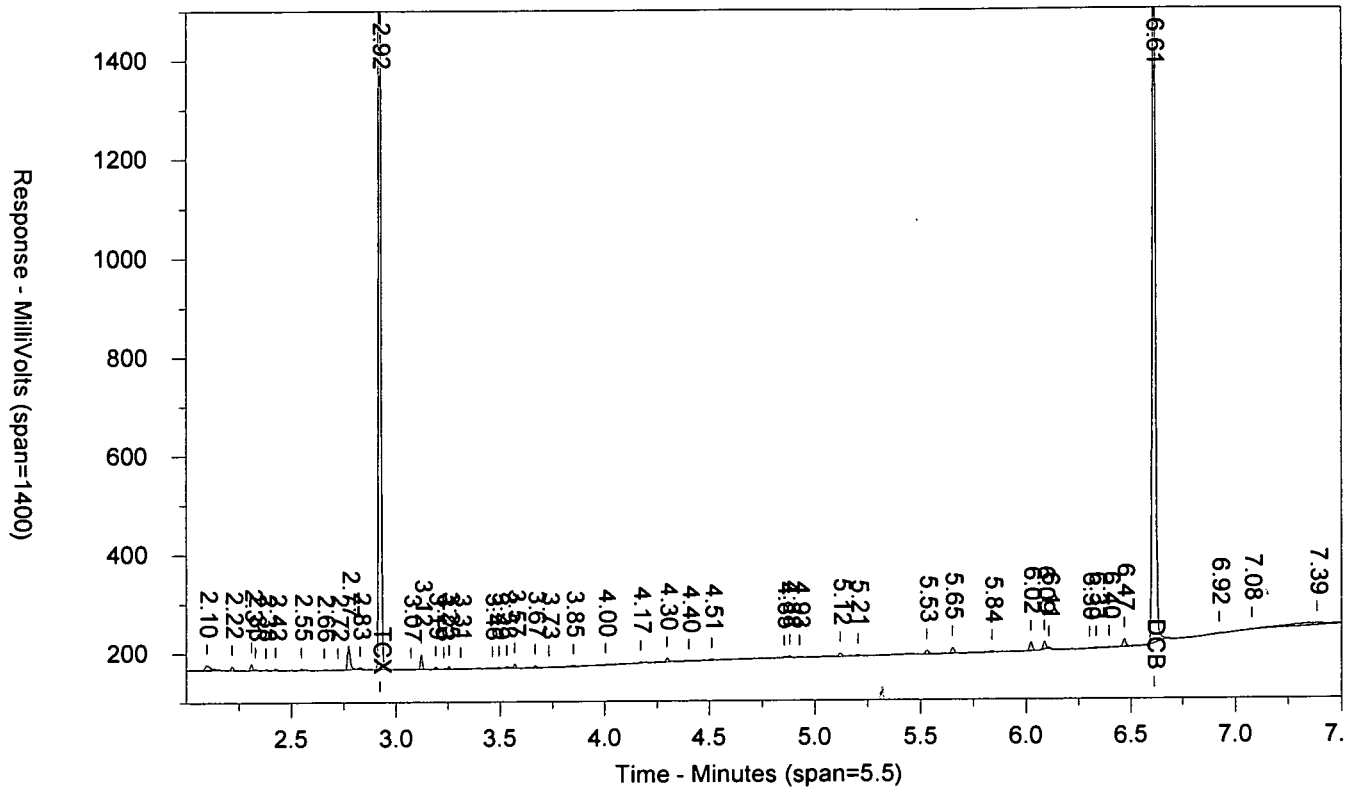

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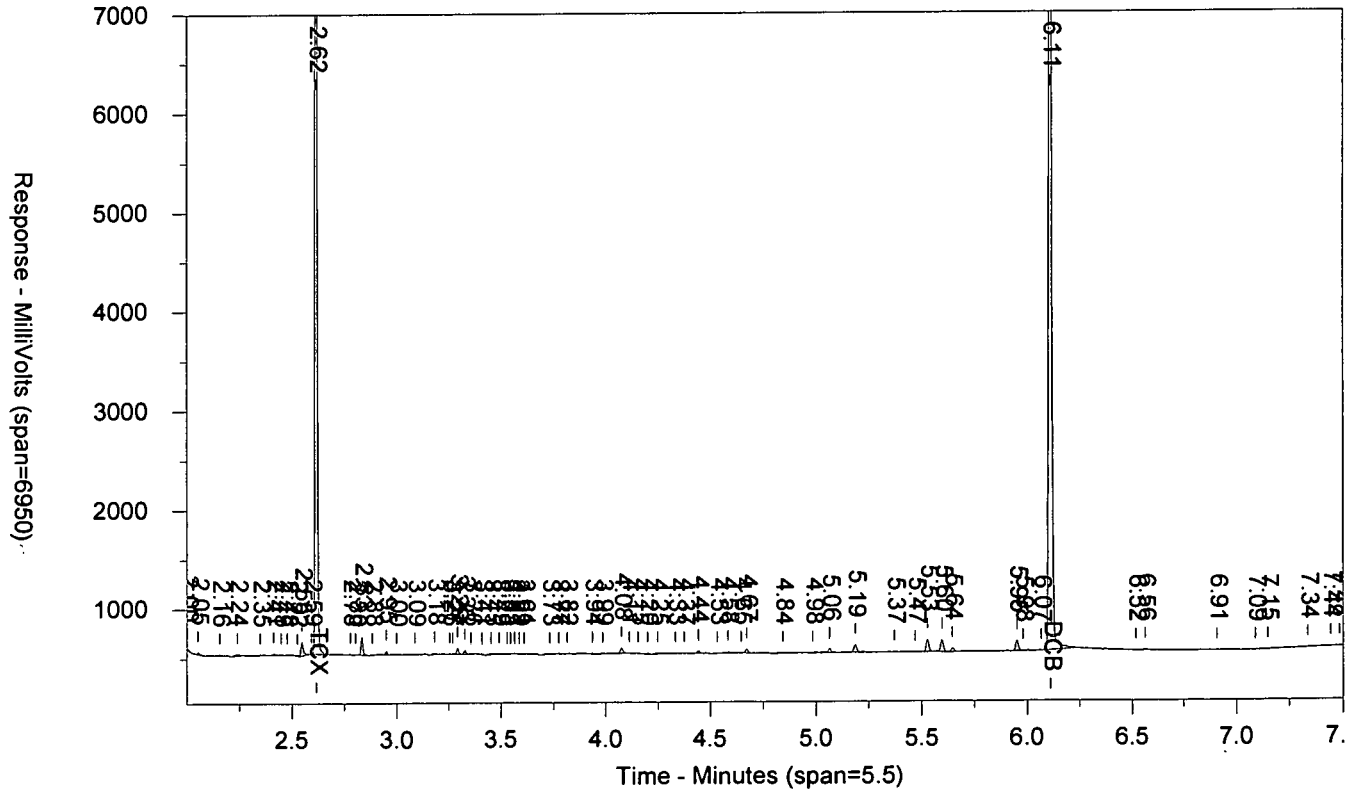

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:17:46 PM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	2190175	.193	TCX	2.615	13497890	.195	TCX
6.614	1571934	.228	DCB	6.11	10753940	.221	DCB

Files:
Area File: 20pcbs17137001.005.RAW
Area File: 20pcbs17137001B.005.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 5:26:29 PM
File Reported On: 5/18/2017 at 4:29:40 PM

IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082

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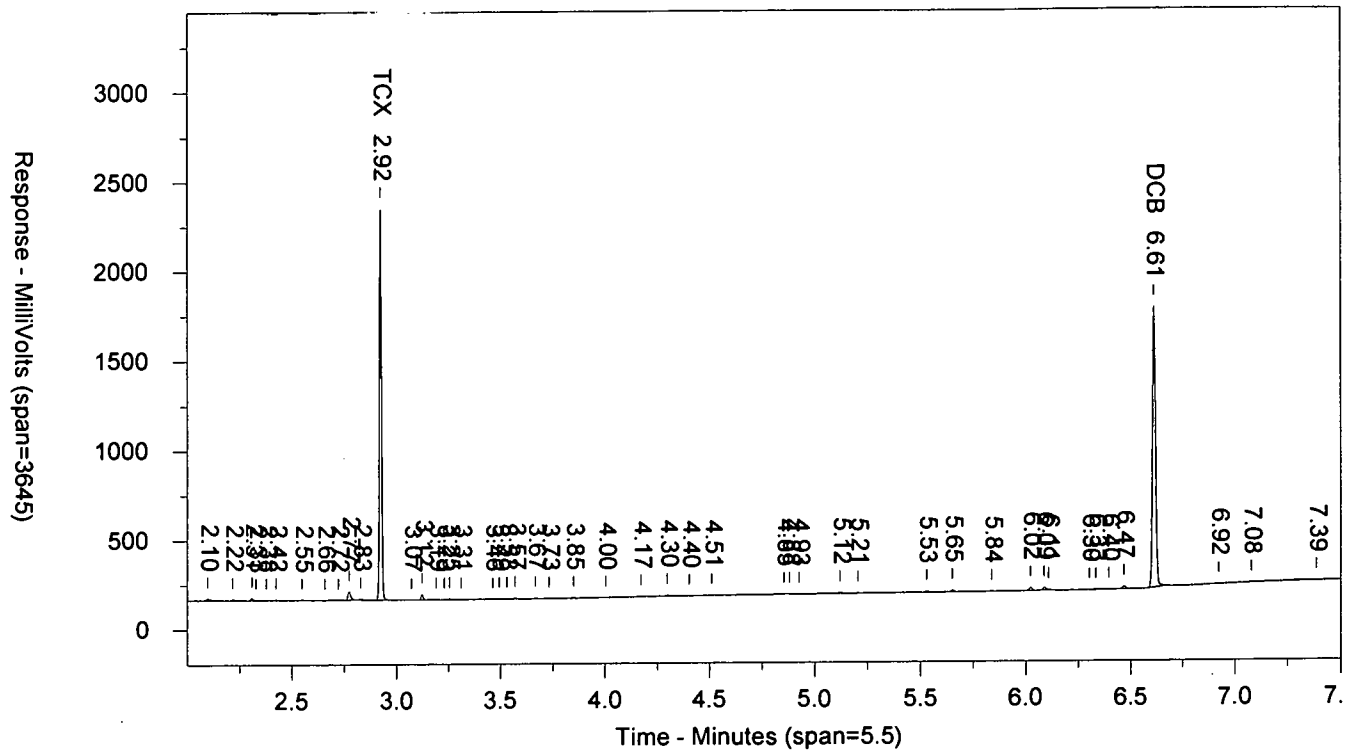

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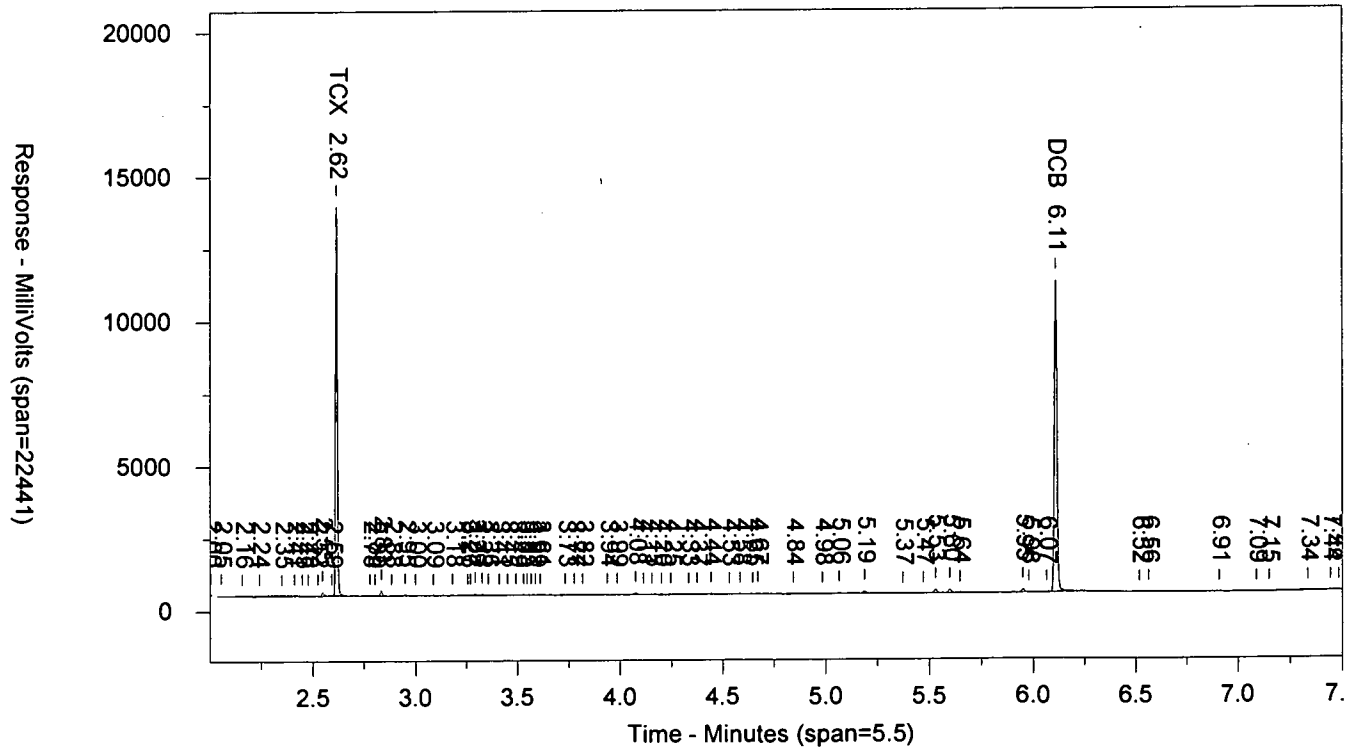

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:29:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.006.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.008		1624	1167
2.101		7371	10860
2.217		8399	7429
2.309		18620	11978
2.338		14739	9903
2.379		2606	2611
2.423		2162	1685
2.509		29438	19036
2.55		1686	1224
2.654		1670	2220
2.773		35235	30417
2.826		1972	2066
2.923	TCX	2460172	1623398
3.01		1632	1479
3.123		33806	21250
3.211		1725720	1092090
3.254		5711	3625
3.314		12287	8575
3.411		1402945	899740
3.442		9768	6672
3.492		5104	4391
3.534		569689	379626
3.568		5067	3080
3.666		12209	10276
3.704		44691	33344
3.734		2288	1309
3.767		2180	1485
3.813		79946	61777
3.843		5973	4931
3.874		1261	822
4.001		12899	15289
4.061		2307	1658
4.09		49517	40401
4.139		2155	1823
4.17		67525	52608
4.208		12247	7397
4.225		5406	3014
4.27		1848	1439
4.296		7128	6910
4.355		1919	1495
4.384		138315	120383
4.468		5188	4255
4.506		5755	5240
4.55		27651	22160
4.575		32043	24966
4.648		4020	4663
4.707		102957	94947
4.808		130465	119663
4.846		4414080	3876867
4.875		27356	16358
4.895		10283	6114
4.952		654121	579979
5.033		29424	39829
5.113		42736	43441

RT A	Compound A	Height A	Area A
5.152		6443	4881
5.187		5836710	5297173
5.271		24660	25711
5.412		187087	196560
5.49		2880	2241
5.552		6439295	6244735
5.613		60706	60886
5.646		168866	152231
6.021		23261	23179
6.087		20904	18362
6.199		626	1637
6.467		16456	16731
6.612	DCB	1519815	1611921
6.73		786	616
6.92		1334	5813
7.072		1133	3469
7.239		772	6425
7.924		680	1322
8.516		847	1017
8.679		4882	6584

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:29:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.006.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		14482	11251
2.054		22745	20859
2.12		4385	8263
2.154		121521	73021
2.186		4436	2339
2.204		8667	4053
2.24		20163	23511
2.268		4725	5305
2.322		194490	112481
2.369		6264	5355
2.396		1729	834
2.411		7627	6280
2.478		7873	10620
2.522		6489	7195
2.547		105282	86294
2.616	TCX	14968390	8787316
2.704		9697	5007
2.718		5603	2228
2.779		8495	5483
2.803		4948	4411
2.833		207107	126873
2.89		10312	15863
2.961		10984870	6007818
3.059		3357	2026
3.079		72492	44904
3.116		67078	42944
3.146		7567	3557
3.17		9248478	5090297
3.244		9563	7302
3.267		32281	20797
3.292		41291	25708
3.326		90391	52125
3.35		3801724	2184023
3.374		4366	5309
3.41		32735	20812
3.435		30054	16514
3.452		36835	19002
3.473		715957	482484
3.505		37058	21115
3.548		36403	21279
3.585		9194	34912
3.671		24171	37074
3.713		17698	21822
3.764		423272	233629
3.779		226943	108386
3.812		11252	6099
3.84		108947	71115
3.861		70008	42812
3.887		19680	27531
3.937		8253	4736
3.955		2925	1184
3.974		12077	5987
3.994		940574	639080
4.021		11676	7618

RT B	Compound B	Height B	Area B
4.072		73094	65439
4.111		10405	5451
4.127		12904	6587
4.15		266808	204023
4.192		27297	24076
4.246		214695	192948
4.299		10116	10420
4.369		682745	487834
4.392		9047	4887
4.429		28209590	21447590
4.468		143269	105580
4.521		4757546	3559945
4.565		43817	42054
4.634		185888	163363
4.67		41971	26791
4.701		40345090	30605000
4.76		382204	309202
4.791		32127	20828
4.82		2814	2204
4.844		5379	2654
4.872		121340	110022
4.913		4445	3157
4.984		5839	4612
5.027		950339	835636
5.063		38994	28367
5.132		36772390	31724590
5.187		293744	245486
5.243		2909	934
5.309		1426719	1222632
5.362		36658	31012
5.451		3244	4446
5.528		165758	136380
5.596		155772	138050
5.644		41938	37196
5.9		2733	3027
5.95		119068	97353
5.981		3788	2404
6.072		2112	1528
6.11	DCB	11184720	9742197
6.46		7048	6308
6.559		6404	6016
6.792		4598	4703
6.974		1919	2643
7.149		2127	3361
7.357		4626	26426
7.436		2271	7973
8.219		16862	38949

EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082

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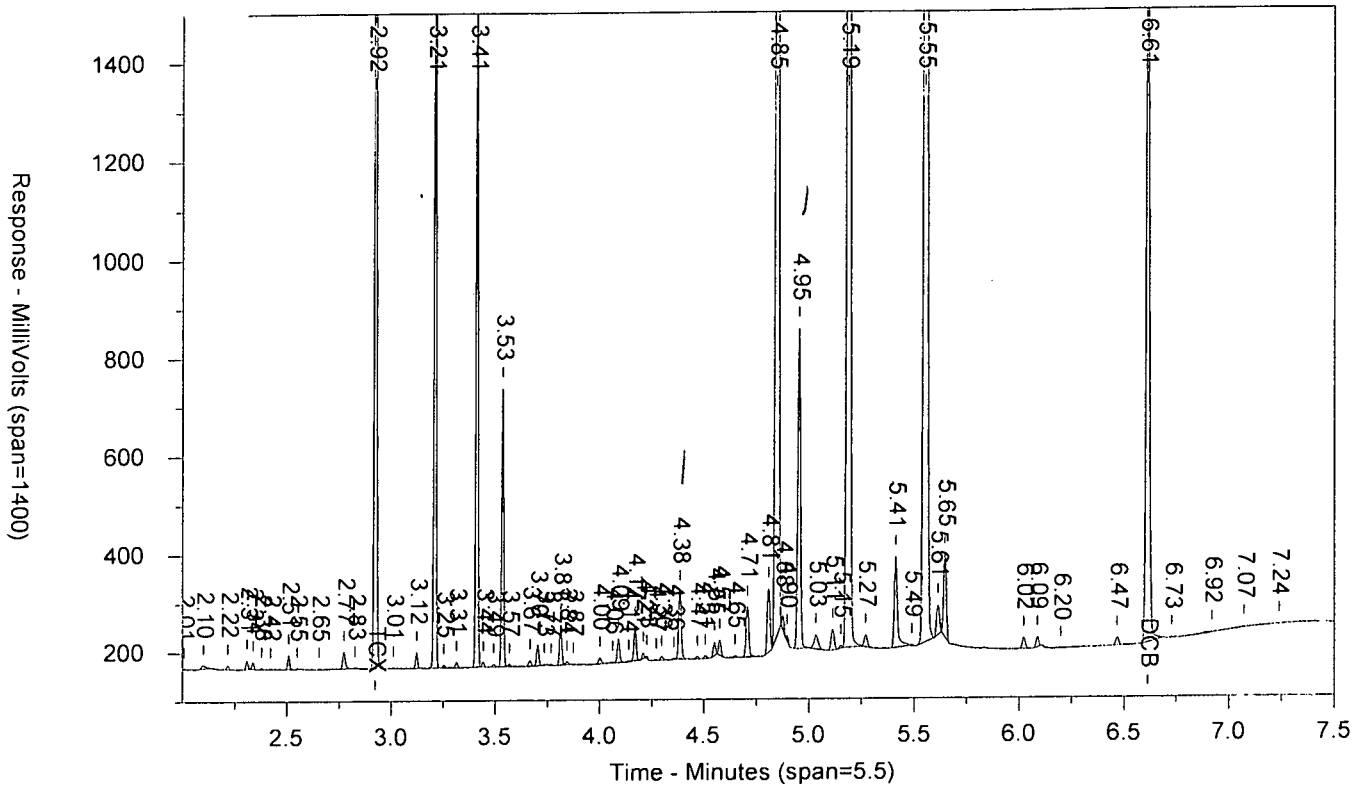

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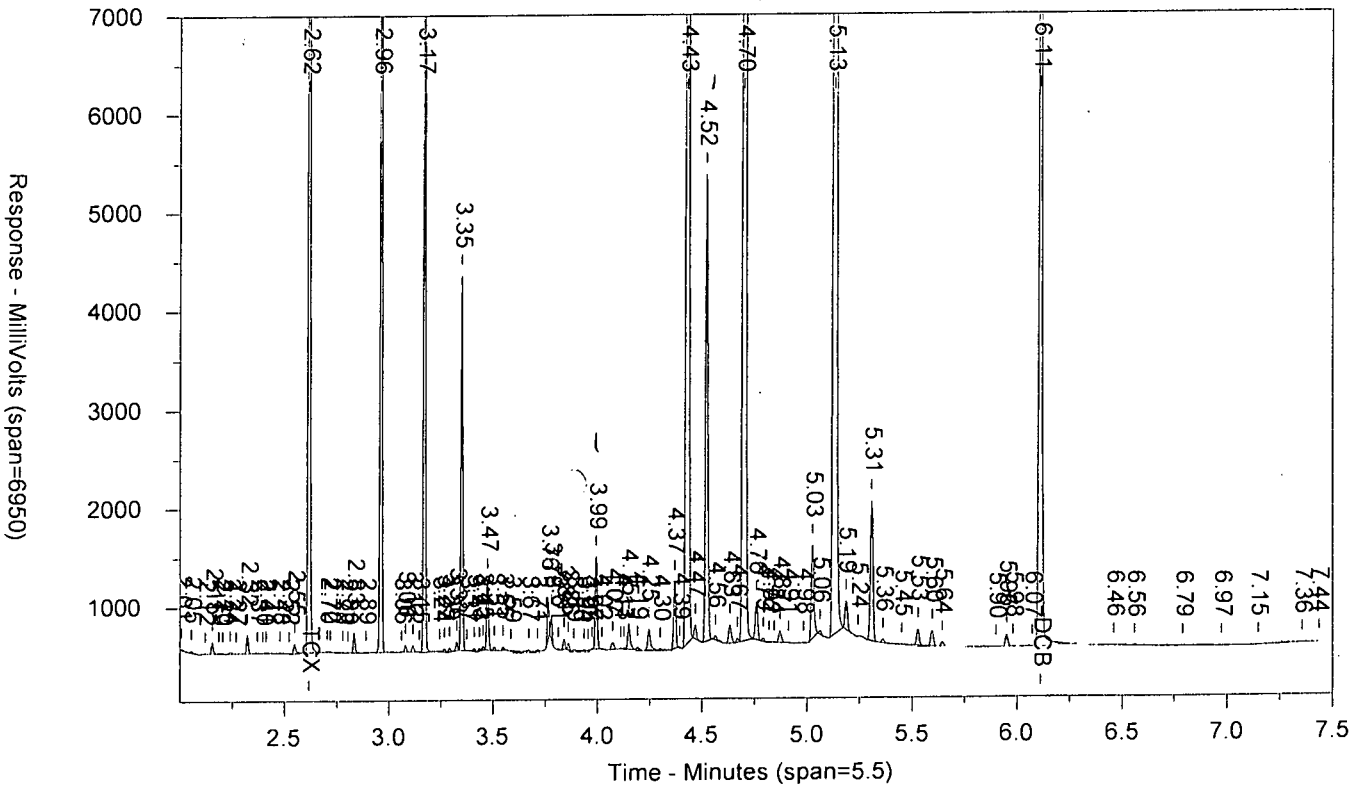

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:29:04 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	2460172	22.902	TCX	2.616	14968390	22.91	TCX
6.612	1519815	24.622	DCB	6.11	11184720	25.991	DCB

Files:
Area File: 20pcbs17137001.006.RAW
Area File: 20pcbs17137001B.006.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 5:37:49 PM
File Reported On: 5/17/2017 at 5:37:57 PM

EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082

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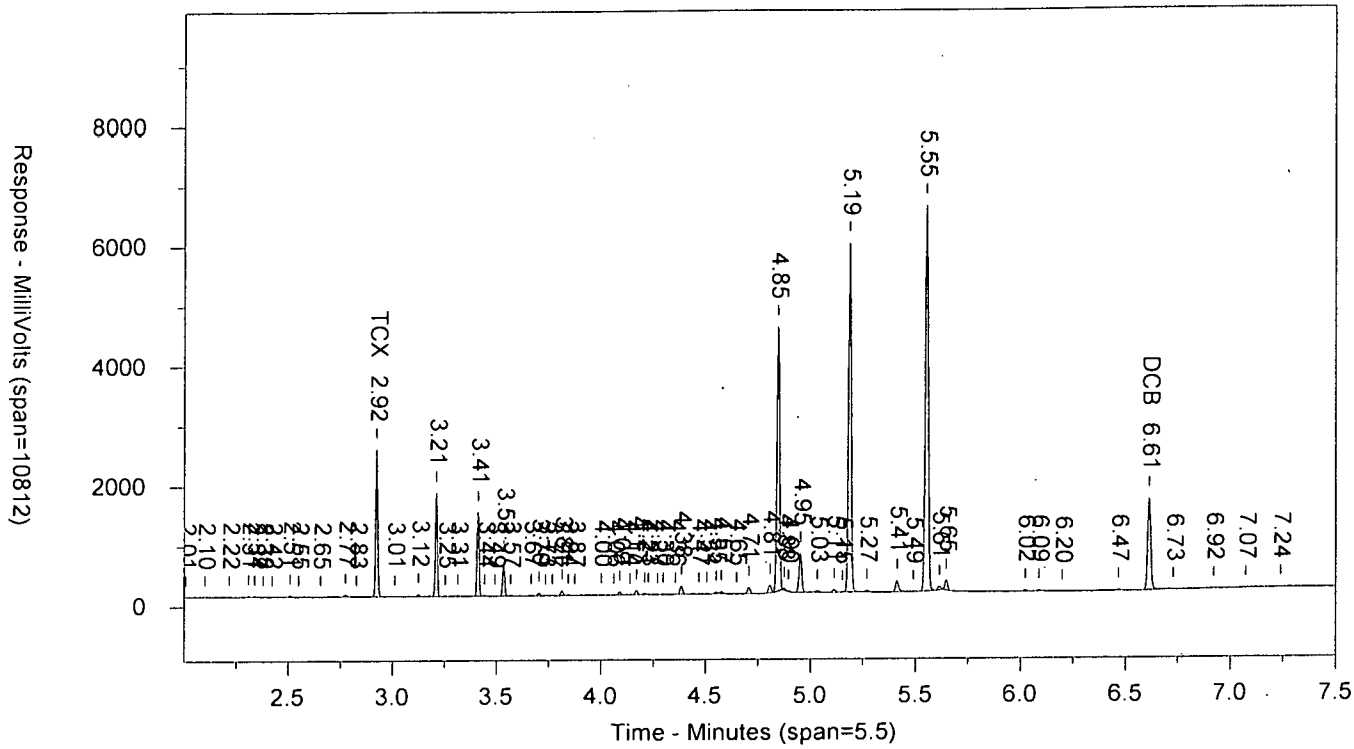

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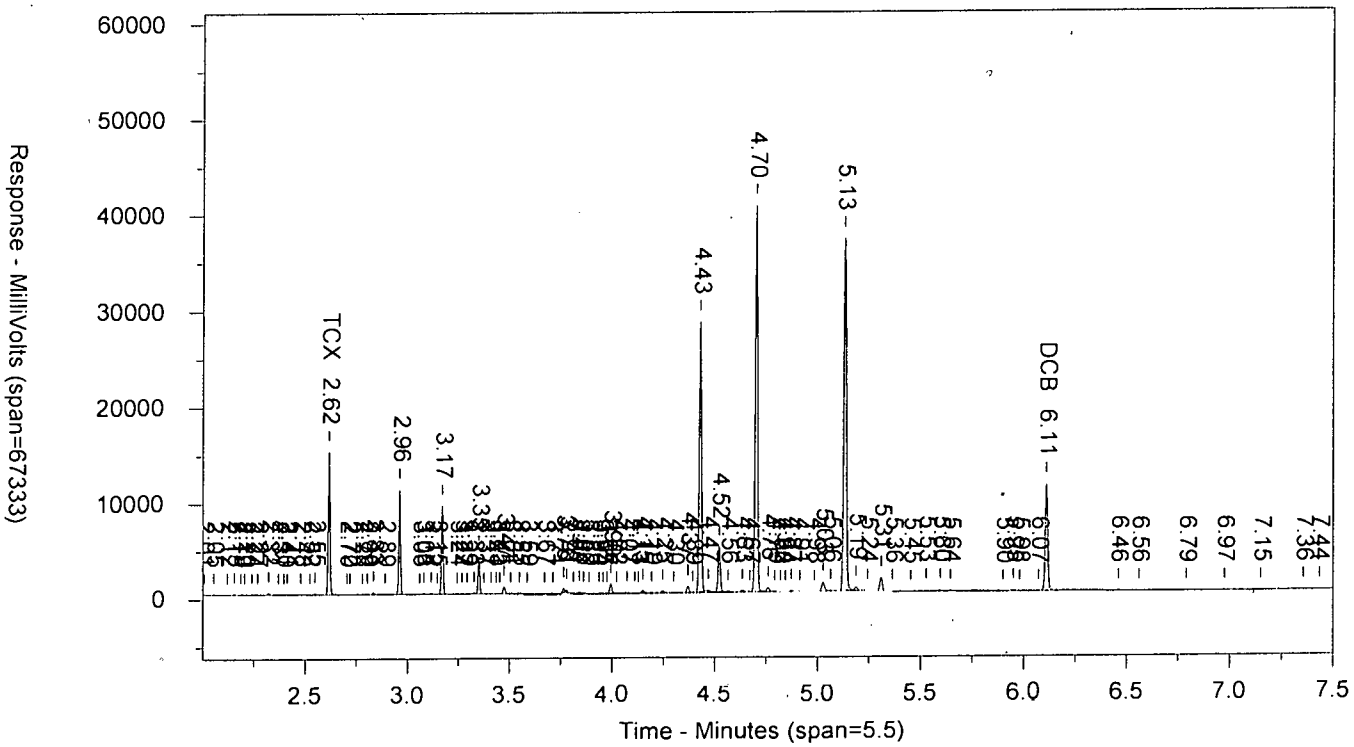

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:40:39 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.007.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		5030	7332
2.217		1689	2019
2.309		7898	5457
2.377		1869	2223
2.423		2440	2031
2.565		2227	3976
2.658		1459	1402
2.773		34447	29199
2.827		3131	3187
2.923	TCX	439163	304512
3.075		16714	13357
3.133		24008	19362
3.181		115327	83705
3.253		1230	672
3.274		13394	9037
3.362		1146	998
3.396		120312	73269
3.413		54894	28489
3.45		12030	6956
3.465		3190	1341
3.482		9510	5697
3.512		131734	94987
3.567		1429	596
3.586		3671	2323
3.623		27306	14988
3.637		12223	5711
3.682		55197	30332
3.692		115430	58325
3.729		141614	105613
3.787		115235	85608
3.827		7567	5439
3.854		88768	63684
3.882		62468	51546
3.904		18854	9831
3.979		93099	68111
4.003		33872	21650
4.033		34114	25177
4.069		92867	94085
4.108		29651	22944
4.155		2676	1829
4.192		5421	4590
4.227		101846	76233
4.247		26119	14483
4.271		25611	17190
4.296		6925	5177
4.338		15592	12807
4.381		111757	101173
4.414		2198	1489
4.477		928	934
4.52		11323	12727
4.574		11742	7109
4.589		24690	16128
4.633		72358	61975
4.679		95806	110688

RT A	Compound A	Height A	Area A
4.717		21883	15696
4.756		221540	208499
4.847		36337	42009
4.876		2754	1718
4.904		42552	38874
4.955		256477	331310
5.005		49436	44998
5.049		117261	134361
5.091		1997	1134
5.128		26578	31367
5.164		298279	333820
5.226		143814	132823
5.27		94362	90867
5.392		167397	235268
5.449		83649	78206
5.489		46146	40727
5.531		11283	11118
5.575		58519	58142
5.63		380872	393052
5.749		1775	1800
5.837		212271	226582
5.874		22083	21698
5.89		17365	13242
6.021		8776	9135
6.085		8818	6732
6.109		38978	33425
6.266		93383	92329
6.311		6360	6439
6.402		890	770
6.467		24934	25639
6.509		1462	1468
6.613	DCB	292286	314385
7.275		1289	136094
7.708		622	608
8.081		1604	8725
8.172		2132	9365

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:40:39 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.007.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		7218	4858
2.158		4903	6510
2.239		14231	20658
2.299		6773	4539
2.341		2055	1220
2.413		11229	15491
2.476		7270	9882
2.524		5336	4794
2.546		104260	80541
2.59		4628	2207
2.615	TCX	2640776	1593663
2.659		53145	38561
2.786		115100	73207
2.833		21446	9121
2.846		123353	64484
2.898		634997	397671
2.947		7200	4876
2.987		3160	1552
3.009		78832	48440
3.105		551272	270340
3.116		191383	77393
3.156		82462	49540
3.178		48365	29316
3.203		68726	37767
3.227		780216	514401
3.264		30774	18982
3.291		9837	4391
3.309		201489	105153
3.325		180178	90916
3.354		3752	1463
3.375		469917	215893
3.385		845000	357673
3.406		31187	12774
3.419		752133	491846
3.493		860044	540859
3.528		602607	382250
3.551		667084	370186
3.57		219151	109982
3.655		758311	496131
3.678		283141	155069
3.699		266412	157547
3.728		190487	93215
3.745		637243	377285
3.786		230188	163467
3.832		35349	29306
3.855		169352	101815
3.877		836604	553781
3.902		177422	107574
3.922		26726	12713
3.94		98699	60148
3.976		707712	487028
4.01		32404	18718
4.025		57052	35322
4.074		57954	53232

RT B	Compound B	Height B	Area B
4.12		56491	58051
4.177		184930	121434
4.22		168725	97314
4.238		189321	90550
4.252		450355	251715
4.277		284748	286570
4.329		1478677	1134179
4.376		26192	21854
4.399		165171	109883
4.423		353316	254455
4.466		1739197	1355768
4.529		3128	3975
4.568		1360754	1333148
4.622		179897	147830
4.66		404675	339873
4.697		1696137	1441283
4.729		841989	586499
4.767		590198	472707
4.841		7533	5854
4.867		198201	206944
4.918		1082249	838066
4.942		155954	101225
4.992		568330	526649
5.028		293411	236387
5.058		215665	180586
5.09		85824	54806
5.112		2307434	1918536
5.154		52429	37796
5.185		110201	87756
5.304		28246	18108
5.327		513235	422231
5.372		1525920	1657357
5.528		60252	50969
5.572		42881	32403
5.596		47967	37129
5.645		284864	253220
5.751		628226	519376
5.782		35004	25848
5.835		5229	6689
5.951		166736	149749
6.109	DCB	2056760	1891892
6.29		2464	2798
6.717		1883	2247
7.048		3303	6502
7.442		1852	24801
7.617		2187	7879
7.849		2043	3156
7.914		2219	2606
8.216		14868	25915

AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082

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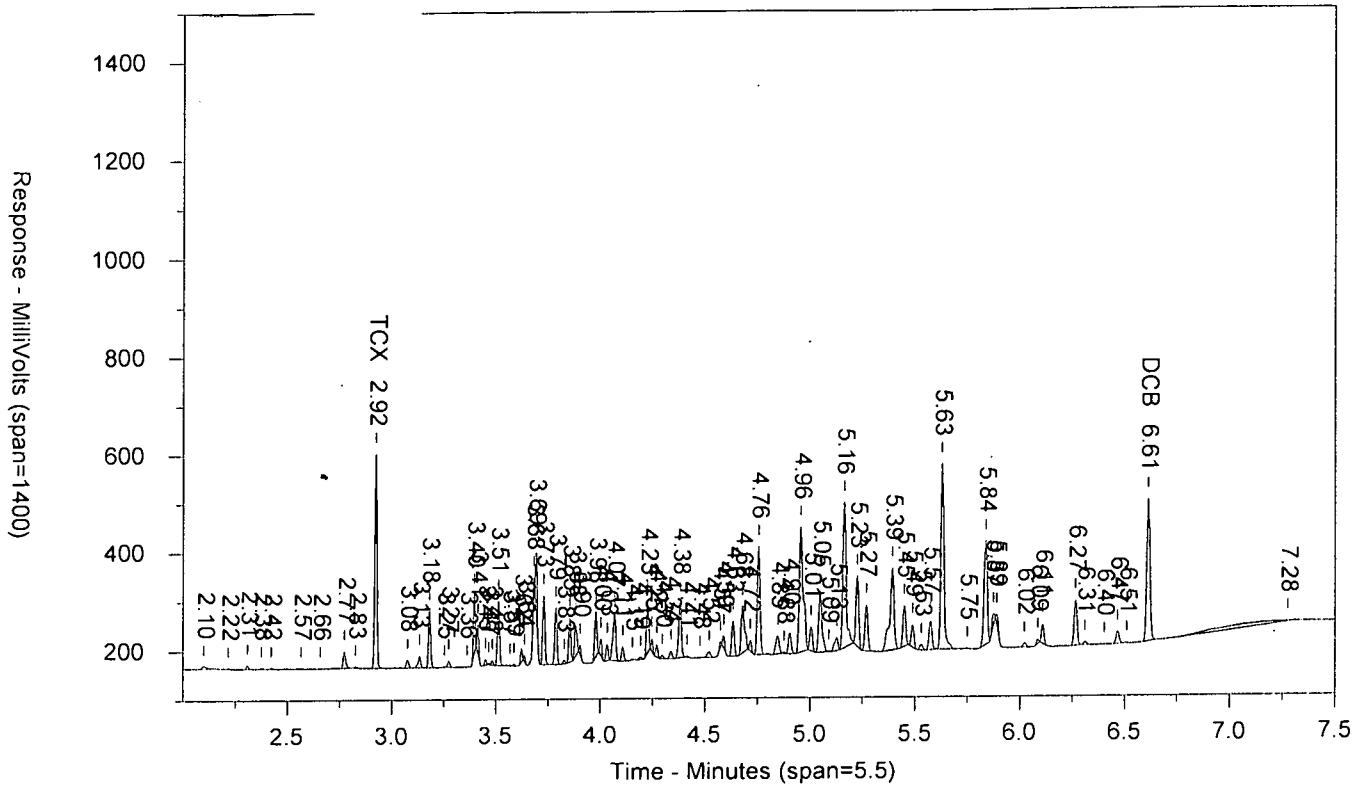

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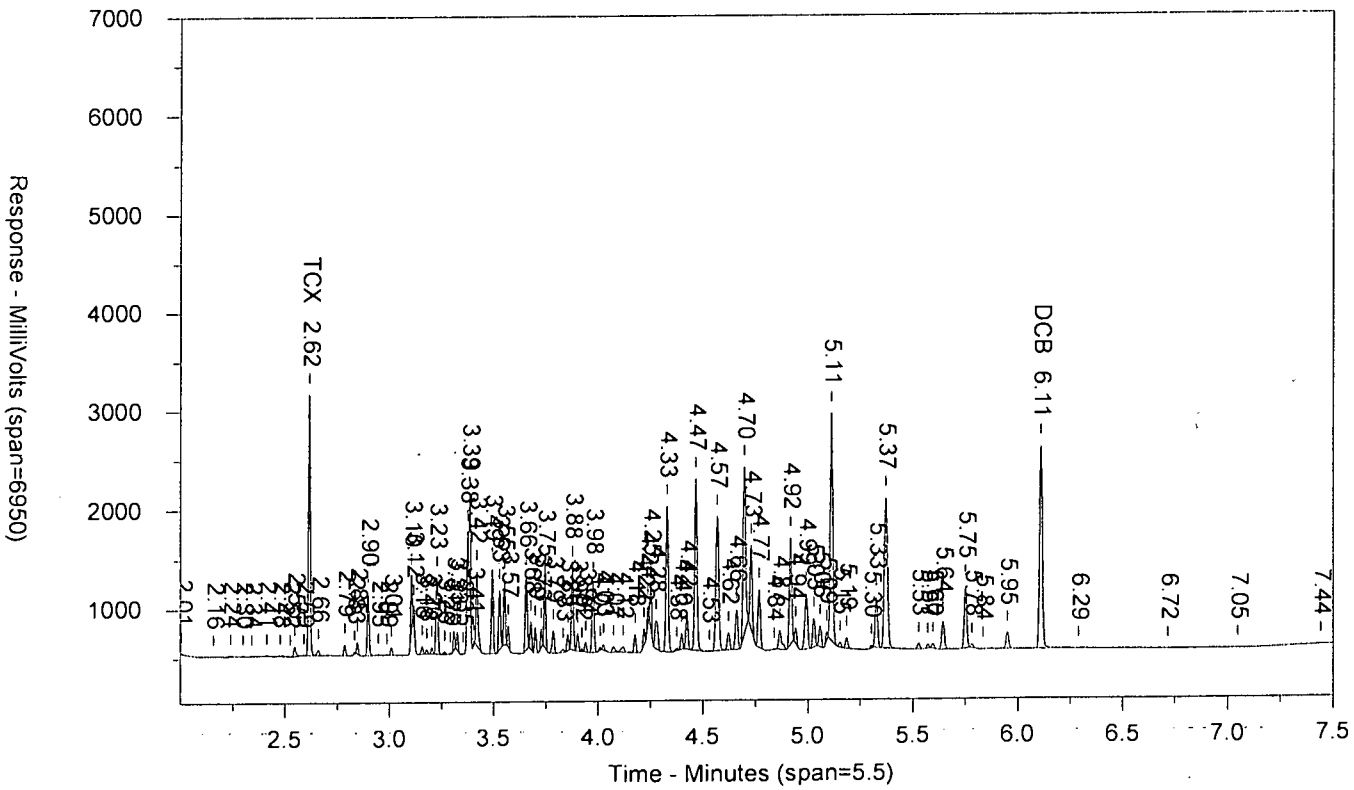

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:40:39 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	439163	4.088	TCX	2.615	2640776	4.042	TCX
6.613	292286	4.735	DCB	6.109	2056760	4.78	DCB

Files:
Area File: 20pcbs17137001.007.RAW
Area File: 20pcbs17137001B.007.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 5:49:21 PM
File Reported On: 5/17/2017 at 5:49:32 PM

AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082

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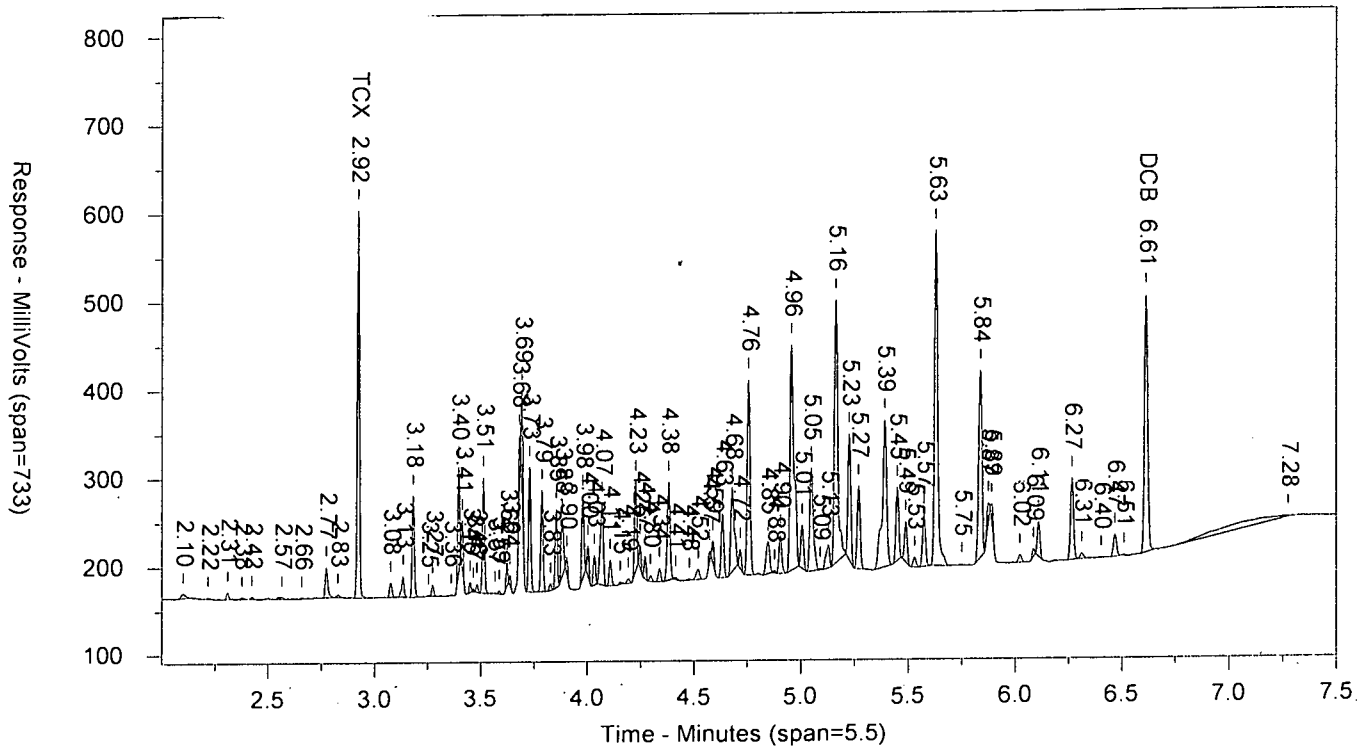

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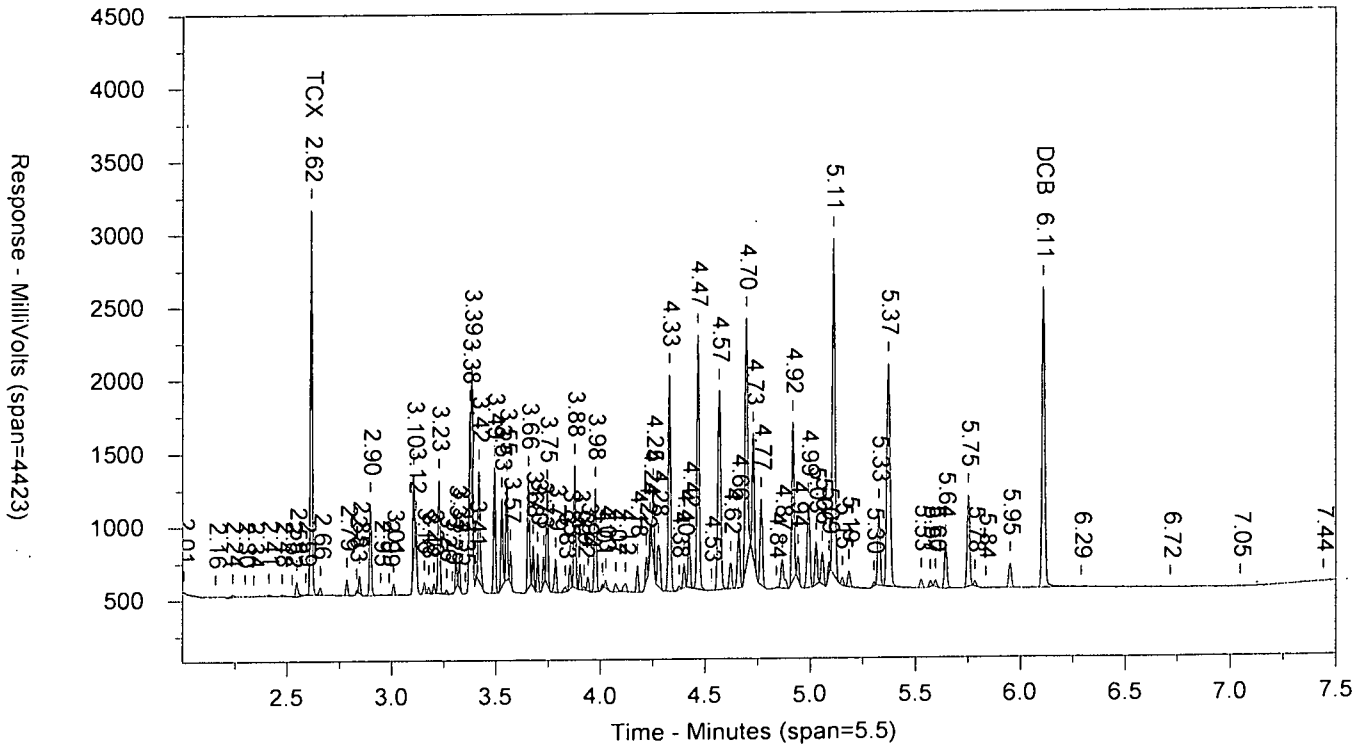

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:51:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.008.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.097		13540	19690
2.138		3661	4018
2.217		7933	6528
2.309		11858	7535
2.328		2127	1251
2.375		2225	2434
2.424		3170	2540
2.498		1183	1693
2.548		1614	1022
2.565		1999	1321
2.658		1614	1316
2.717		948	639
2.773		47248	42470
2.827		3758	4035
2.922	TCX	2257924	1485899
3.075		34107	28402
3.132		48038	50452
3.18		214919	155457
3.252		4507	2619
3.273		26478	17507
3.314		1081	872
3.394		214700	132119
3.411		96060	51223
3.448		23977	13692
3.464		5399	2229
3.48		18819	10959
3.51		242210	178804
3.565		6869	4008
3.584		6665	3750
3.62		52003	29221
3.635		24971	11537
3.679		107198	57152
3.69		232544	118658
3.726		269286	198281
3.785		206316	165115
3.825		16812	11561
3.852		159305	118078
3.88		115749	98563
3.901		37777	19764
3.976		174917	127310
4		60309	39304
4.031		69171	49099
4.066		175291	180089
4.106		55181	45864
4.152		6911	5309
4.19		9349	7736
4.224		190195	141867
4.245		48163	27742
4.268		50265	35074
4.293		6791	4933
4.335		30070	25288
4.379		208270	190273
4.412		5250	3396
4.476		2462	1994

RT A	Compound A	Height A	Area A
4.516		25386	26547
4.571		18012	13020
4.585		43500	28556
4.632		134788	119187
4.676		185626	208360
4.715		45598	31391
4.754		413142	398207
4.798		3360	3530
4.844		74536	79270
4.875		7968	5136
4.901		77113	70877
4.954		491097	632104
5.003		94179	84822
5.047		232102	258527
5.089		3403	2105
5.125		51392	65824
5.161		557327	534061
5.184		15970	7823
5.224		278765	250609
5.267		170321	170018
5.369		18439	22776
5.388		281443	246516
5.448		158580	149215
5.488		87023	76460
5.527		27856	26524
5.573		114799	112472
5.629		700029	785779
5.835		425595	438608
5.876		31141	43202
5.888		30471	20132
6.02		30851	31202
6.084		27614	20447
6.108		68248	61829
6.265		175530	177812
6.31		11695	11514
6.465		56327	59178
6.506		1418	1004
6.61	DCB	1387708	1460917
7.365		668	136252
8.058		933	753
8.685		2743	4536

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:51:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.008.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		3798	4590
2.054		18157	13357
2.118		3534	1780
2.155		8869	10895
2.239		17605	26795
2.3		12446	8903
2.366		4473	7980
2.394		2329	1095
2.411		13287	12495
2.452		3934	2519
2.477		6695	5043
2.515		7496	10584
2.547		136660	111371
2.592		5695	2843
2.616	TCX	13579360	7959337
2.659		94645	63640
2.786		224189	144427
2.833		133608	61921
2.847		211852	105129
2.899		1178404	733797
2.949		34906	21390
3.01		156963	95408
3.105		1526135	1441358
3.156		159453	96540
3.178		88310	50262
3.203		134920	71990
3.227		1458177	962921
3.264		61647	36489
3.291		54843	26388
3.31		385166	199615
3.325		267484	129362
3.354		4696	2439
3.375		803535	377561
3.385		1807104	751168
3.405		68791	27621
3.418		1422333	916190
3.492		1688703	1027549
3.527		1175757	701174
3.551		1248626	683320
3.568		416377	209749
3.654		1437489	928733
3.676		525665	281296
3.698		492553	290087
3.726		351169	174604
3.743		1226975	706744
3.784		428500	306682
3.832		66728	56776
3.854		326824	196118
3.876		1588328	1045762
3.901		346912	205346
3.92		50747	25009
3.939		182591	111910
3.974		1345733	911713
4.009		68488	39997

RT B	Compound B	Height B	Area B
4.024		115076	71179
4.072		56873	55459
4.119		114941	124332
4.151		6770	3597
4.175		343353	234169
4.219		271781	163753
4.236		319646	168652
4.249		831264	446987
4.276		551121	542930
4.328		2851820	2156147
4.374		44627	40742
4.397		332846	214906
4.422		658816	472198
4.464		3233009	2568987
4.567		2661244	2576777
4.62		362251	291871
4.659		754585	681380
4.695		3381883	2868426
4.727		1577102	1087402
4.766		1203443	910205
4.839		8739	8224
4.865		402435	412938
4.917		2076618	1621308
4.94		294421	195443
4.99		1151881	1009952
5.026		580495	454955
5.056		433055	375356
5.088		183324	111938
5.111		4505800	3780771
5.151		110311	78250
5.184		280212	239060
5.302		54853	34467
5.326		967331	811863
5.37		3235155	3430463
5.526		219280	187370
5.571		78985	58731
5.594		206783	159267
5.644		594795	515845
5.75		1176800	1015599
5.781		71175	51781
5.898		2410	1858
5.949		405676	342310
6.062		2437	1948
6.108	DCB	9871559	8702559
6.279		5787	3577
6.56		7539	9348
6.72		1995	3171
7.043		2323	2755
7.155		1322	2619
7.266		1093	6002
7.486		3047	31201
8.017		2180	1080
8.216		15607	30653
8.675		3931	4394

AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082

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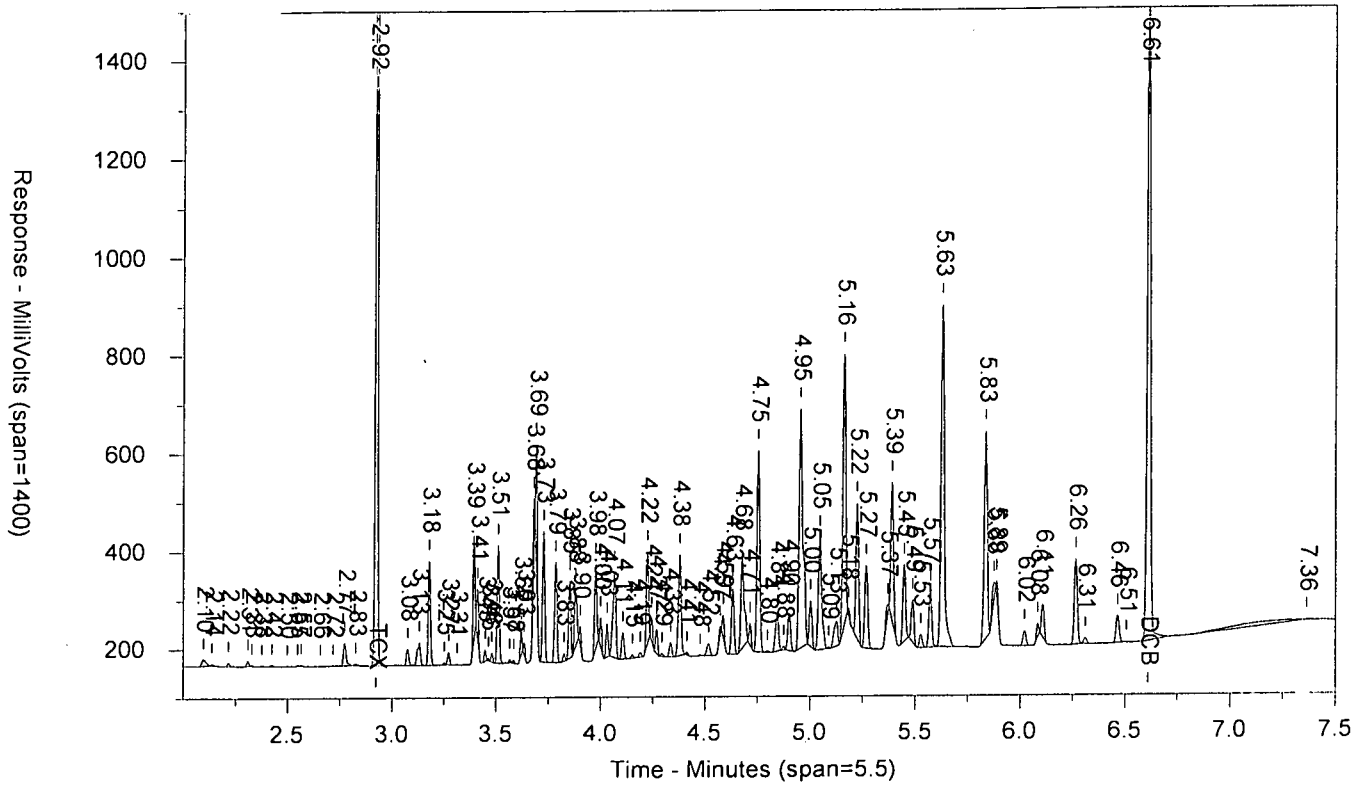

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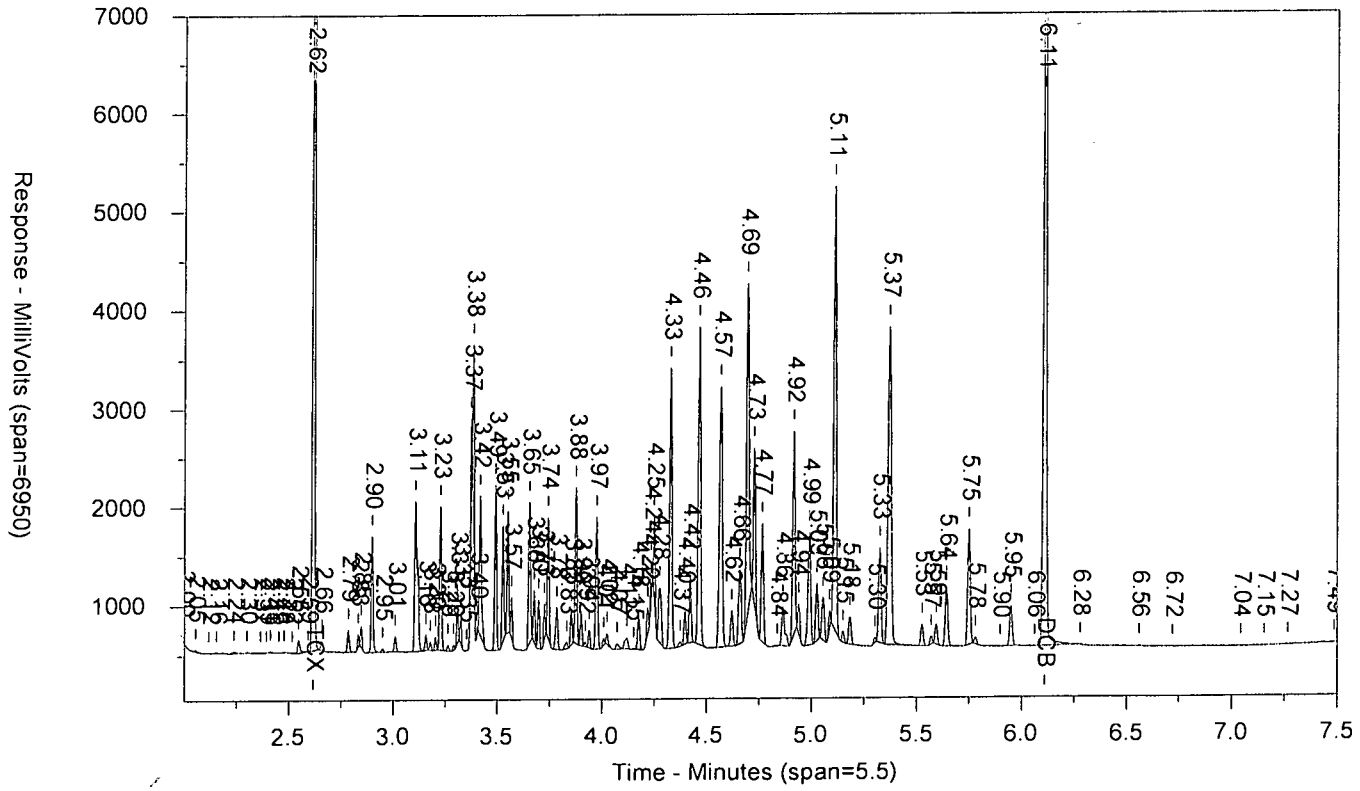

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:51:57 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.922	2257924	21.064	TCX	2.616	13579360	20.624	TCX
6.61	1387708	21.947	DCB	6.108	9871559	22.242	DCB

Files:
Area File: 20pcbs17137001.008.RAW
Area File: 20pcbs17137001B.008.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:00:42 PM
File Reported On: 5/17/2017 at 6:00:56 PM

AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082

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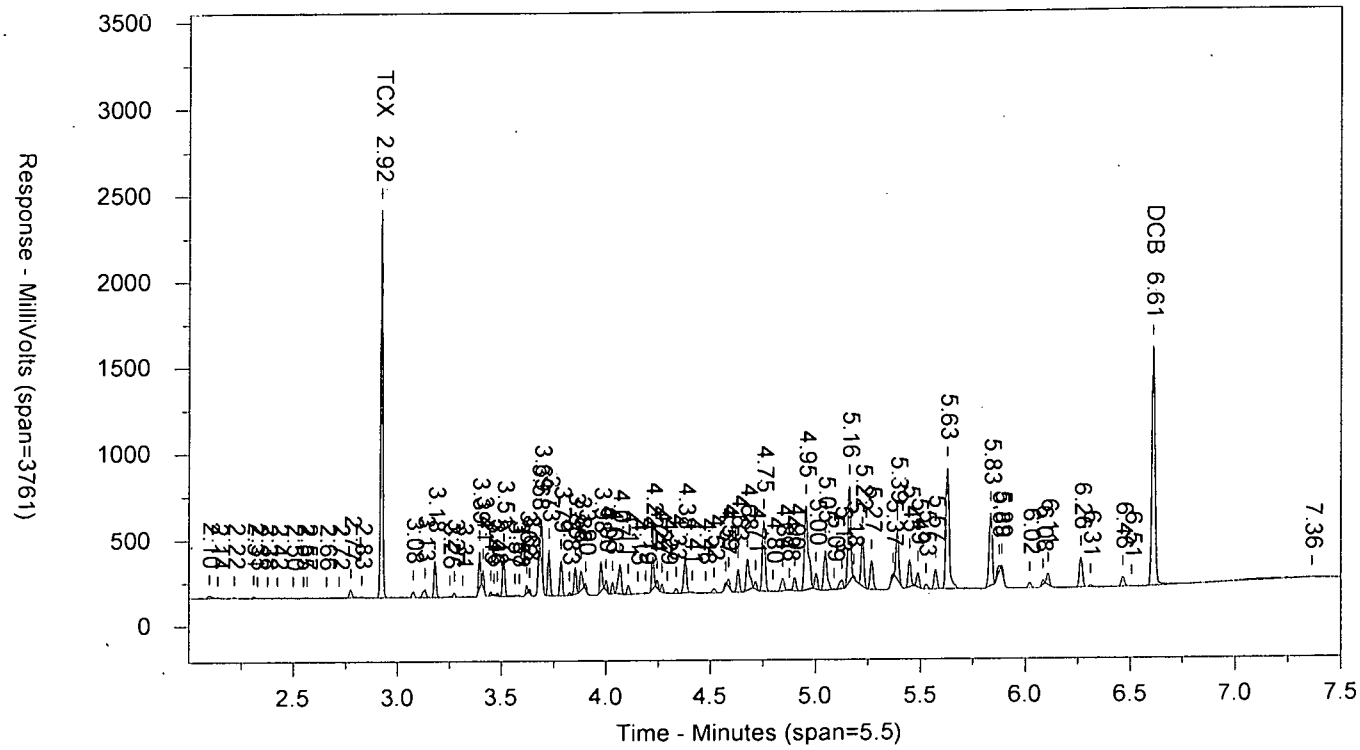

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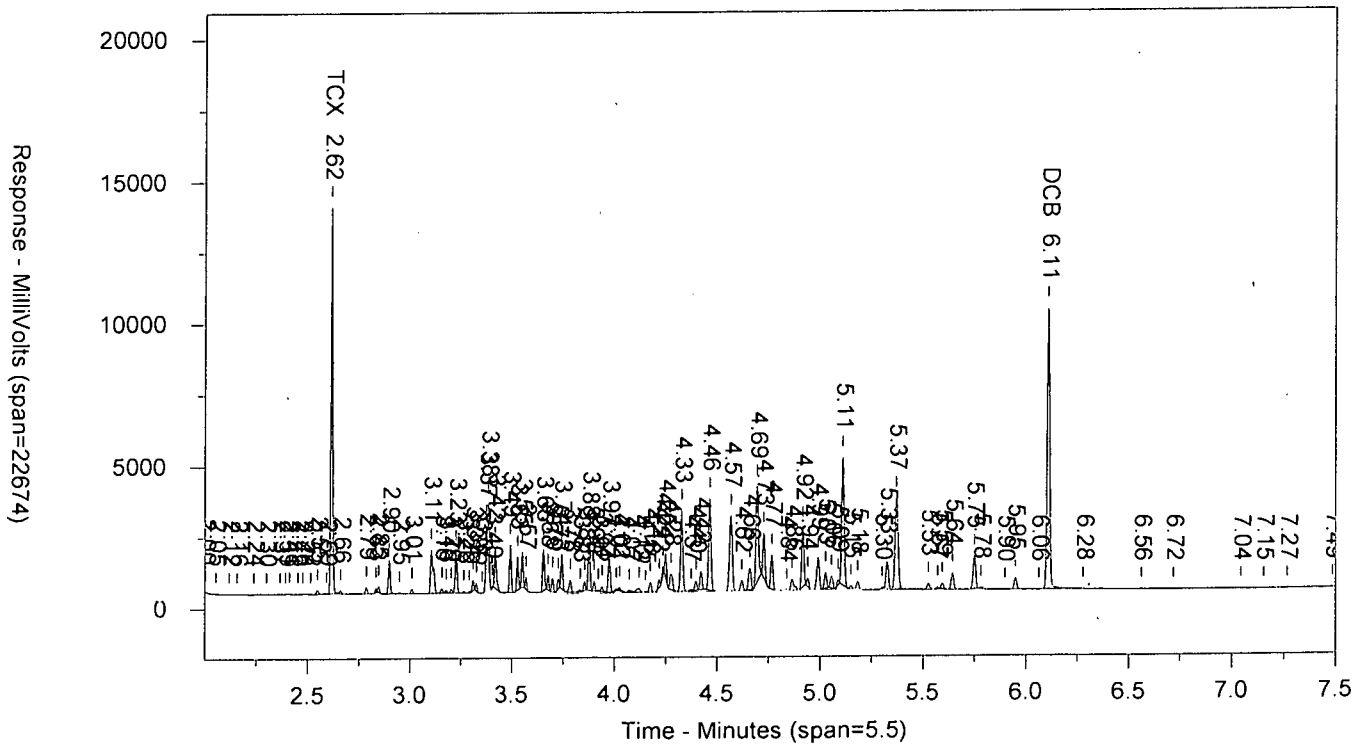


LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:03:25 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.009.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		4875	7317
2.217		16245	12457
2.309		11276	7029
2.328		5093	2902
2.377		1521	2082
2.423		2661	2288
2.549		1674	1106
2.564		3773	2525
2.659		1182	1447
2.718		1219	1045
2.773		28681	23997
2.828		2722	3390
2.923	TCX	4583477	3064338
3.025		1196	582
3.075		73350	59641
3.132		98428	101047
3.18		409975	293666
3.252		8474	4715
3.273		53227	35214
3.394		416894	248581
3.411		182117	100749
3.448		48582	28287
3.464		13994	5747
3.48		37673	21890
3.51		475744	344425
3.544		1928	987
3.565		12708	7464
3.583		14223	8551
3.62		96546	55483
3.634		44786	21714
3.678		199061	113976
3.689		463509	239758
3.726		499852	390418
3.784		419475	326892
3.824		33603	23708
3.852		309287	222721
3.879		211654	180958
3.9		63472	34960
3.975		339155	245669
4		119996	77365
4.03		131767	95672
4.066		337431	352475
4.105		111476	89933
4.151		15649	11536
4.19		18833	15730
4.224		374455	278366
4.245		95669	53011
4.268		101139	72526
4.293		4918	3038
4.335		58535	50518
4.377		389953	368998
4.412		11005	7507
4.475		4670	3804
4.515		51476	52698

RT A	Compound A	Height A	Area A
4.57		42225	27173
4.584		78892	54729
4.631		256125	229678
4.676		350079	400867
4.714		82838	60527
4.753		835899	774968
4.797		7296	7266
4.843		138850	152065
4.875		13823	9596
4.901		144153	132723
4.953		1001603	1234033
5.002		176285	158196
5.046		453871	503932
5.088		8189	4457
5.124		98318	126461
5.161		1188888	1284119
5.224		548490	484944
5.267		339671	326979
5.389		654544	878308
5.447		305070	284956
5.487		153024	143484
5.527		49534	48435
5.572		225996	214605
5.628		1515702	1559011
5.835		857403	859267
5.875		44920	67292
5.887		74557	51802
6.02		56433	57263
6.084		50165	37586
6.107		134453	114652
6.263		324873	336522
6.309		22470	23495
6.463		103574	112410
6.609	DCB	2576136	2784706
6.842		750	390
7.068		1575	1865
7.342		988	20401

LANCASTER LABORATORIES

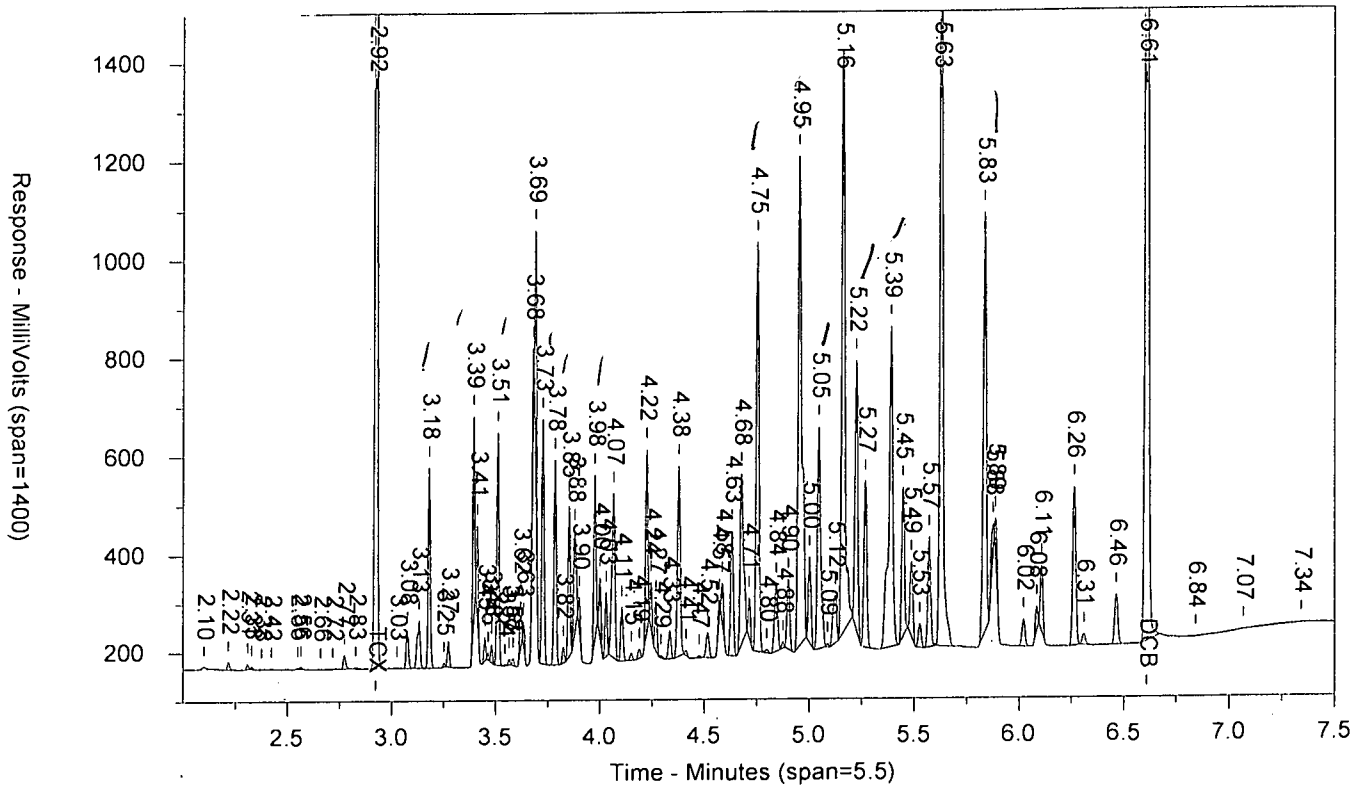
Sample Number: AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:03:25 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.009.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		3897	3524
2.054		38641	26045
2.156		7967	7867
2.238		14661	22064
2.3		24979	16801
2.412		14230	14069
2.476		6570	11629
2.526		6316	5645
2.547		84949	53554
2.57		4387	2439
2.592		5795	3046
2.616	TCX	28348640	16358670
2.659		184034	124505
2.703		5318	4611
2.786		443408	291437
2.833		257234	121709
2.847		404769	200069
2.899		2252085	1389333
2.949		70109	40987
2.987		2428	1290
3.01		296112	184502
3.105		2928715	2761084
3.156		326360	200210
3.177		176027	101842
3.203		256586	140402
3.227		2789487	1871652
3.263		122603	70533
3.291		90911	45138
3.309		736245	387782
3.325		466481	228257
3.351		6070	2607
3.375		1515862	731964
3.384		3284824	1391391
3.404		124767	46288
3.418		2853917	1856195
3.492		3389307	2037636
3.527		2191621	1351446
3.55		2432056	1332436
3.568		792136	396971
3.653		2806160	1805006
3.676		1040262	537694
3.697		1008444	580010
3.726		657174	343394
3.743		2377297	1391466
3.783		819339	599156
3.831		139288	119077
3.853		621187	370392
3.875		3134163	2034238
3.9		660093	395958
3.92		112495	53323
3.939		365838	223504
3.974		2574628	1763888
4.008		134536	80096
4.023		219520	135911

RT B	Compound B	Height B	Area B
4.072		56677	64609
4.118		237589	266151
4.151		15363	7720
4.176		730738	518307
4.218		567891	334155
4.236		688492	338526
4.25		1687014	912099
4.275		1011242	1038088
4.327		5576325	4244671
4.374		88741	83162
4.397		622843	408701
4.421		1263757	896821
4.464		6713137	5032174
4.567		5279960	5113443
4.62		693814	582511
4.659		1431562	1307318
4.694		6964376	5648926
4.727		3025769	2132349
4.766		2238904	1774715
4.833		9867	10875
4.865		777766	812497
4.917		3999105	3220758
4.941		584072	375729
4.99		2205804	1940925
5.026		1104384	875098
5.056		851971	718656
5.088		391005	234506
5.111		9640877	7674216
5.151		196846	148733
5.184		536880	449121
5.302		106757	68150
5.326		1843407	1557479
5.371		6430639	6852072
5.527		401545	341436
5.571		169204	116038
5.595		368773	292813
5.644		1123215	984907
5.75		2290661	1941860
5.781		132742	98577
5.949		746038	648465
6.069		2896	1544
6.108	DCB	19151470	16877130
6.285		5179	5217
6.558		13420	10890
7.15		1385	2006
7.305		2352	2674
7.502		1285	11686
7.608		3102	8882
7.839		2096	2758
8.115		1160	1732
8.213		15535	28728
8.449		1784	915

AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.009.RAW



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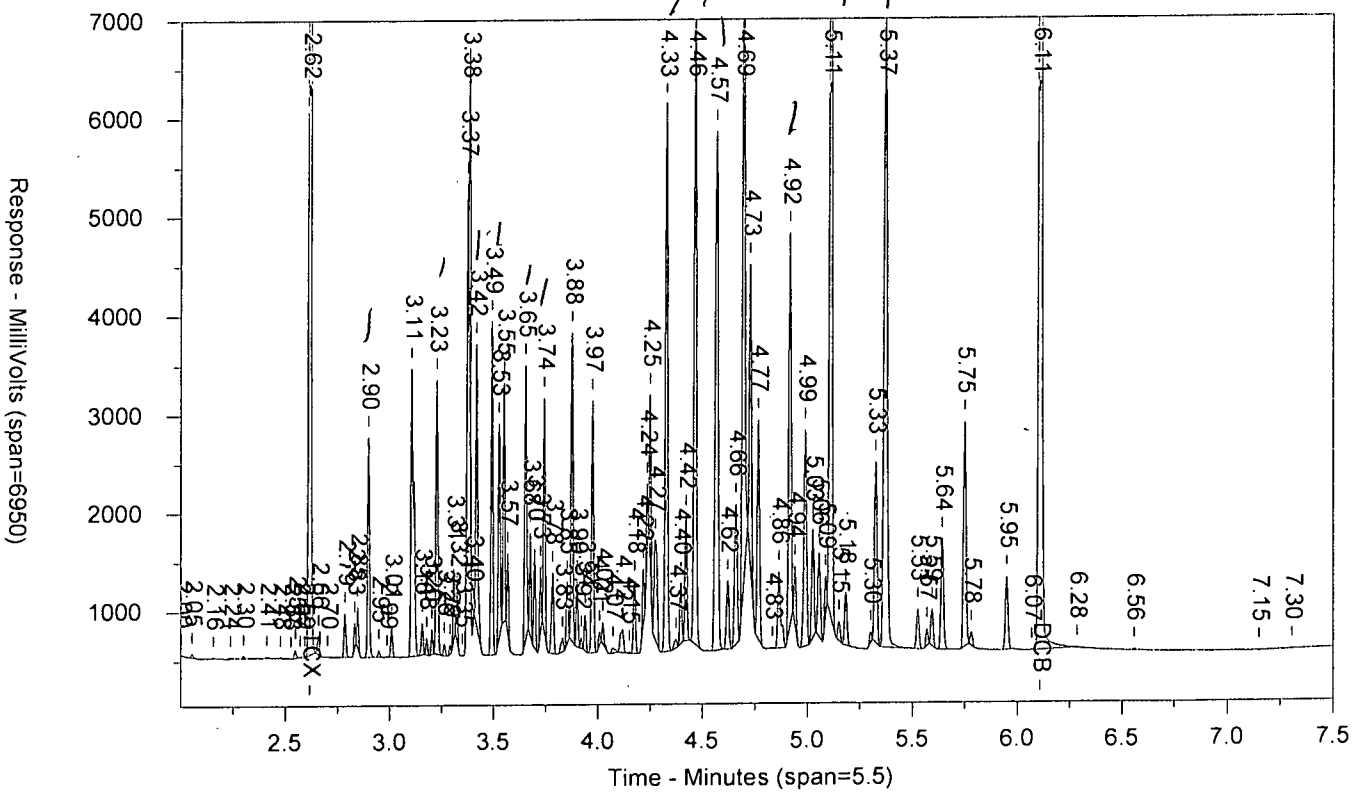

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:03:25 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	4583477	41.945	TCX	2.616	28348640	42.631	TCX
6.609	2576136	39.751	DCB	6.108	19151470	41.876	DCB

Files:
Area File: 20pcbs17137001.009.RAW
Area File: 20pcbs17137001B.009.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:12:08 PM
File Reported On: 5/17/2017 at 6:12:20 PM

AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082

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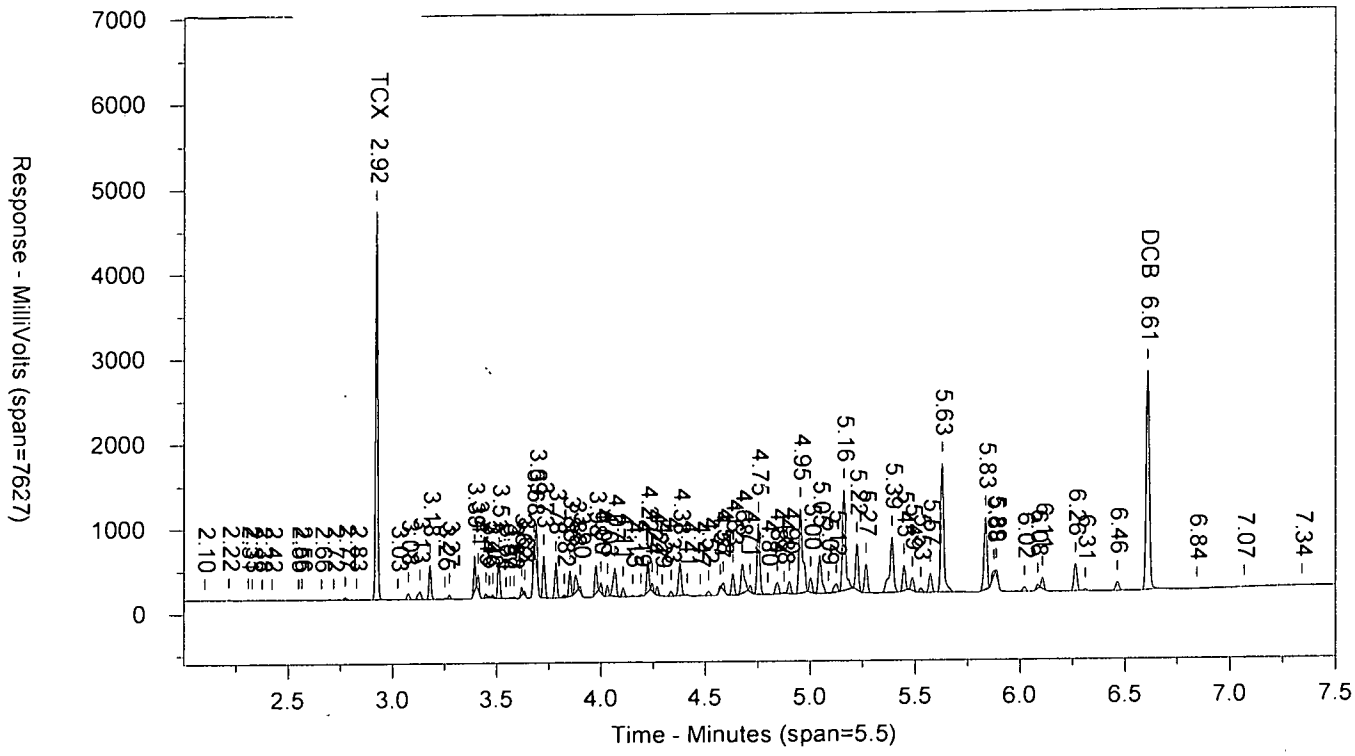

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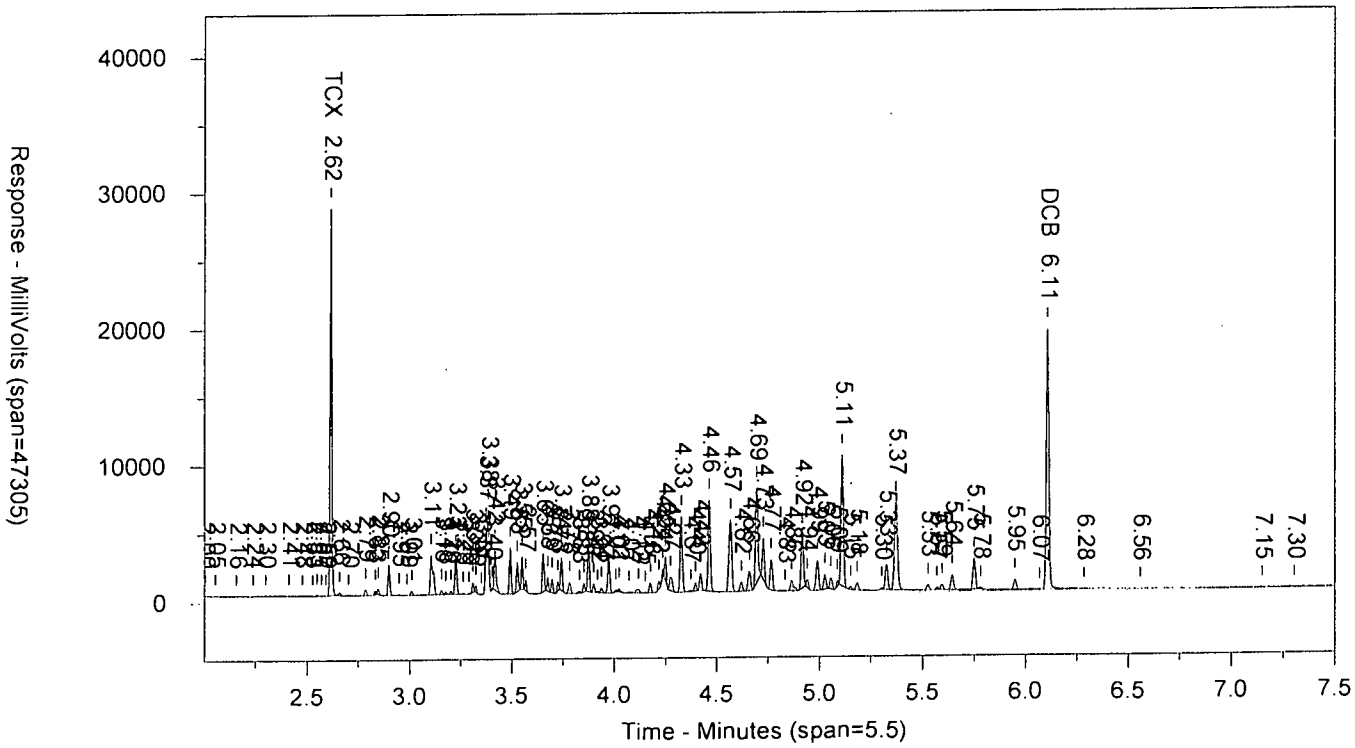

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:14:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.010.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		7802	13107
2.217		24346	17440
2.309		8052	4818
2.328		8595	5161
2.379		1775	1919
2.423		3535	3087
2.565		11029	10334
2.658		1358	1216
2.773		36533	30853
2.827		2941	1843
2.922	TCX	7055128	4679450
3.025		1939	1141
3.075		163893	135622
3.132		210148	200775
3.18		952439	674455
3.252		12834	7025
3.274		124046	86386
3.313		3000	2002
3.395		943890	587991
3.412		448034	233176
3.449		114644	66047
3.465		32351	13095
3.482		85160	51948
3.512		1122490	820416
3.547		4887	2454
3.567		25642	14669
3.586		37270	22323
3.622		217201	129379
3.637		101521	49427
3.682		501842	278663
3.692		1109356	575944
3.729		1282676	938411
3.788		1073439	805513
3.827		79118	57255
3.854		694029	518302
3.881		521417	436537
3.903		136364	77601
3.978		812490	589443
4.002		264648	168130
4.032		314537	222325
4.069		825949	855537
4.108		257675	211390
4.154		38561	29564
4.193		44133	36051
4.227		912413	674880
4.247		239214	129598
4.27		227471	170020
4.296		3783	2102
4.337		135916	119240
4.38		980392	883554
4.415		27025	17533
4.477		10712	9237
4.518		115993	121868
4.574		96986	62564

RT A	Compound A	Height A	Area A
4.588		184017	122440
4.634		630232	551697
4.679		880026	969035
4.716		204892	144362
4.755		2071612	1885029
4.798		18261	18028
4.847		314879	352121
4.877		31315	20581
4.903		337668	311027
4.955		2473284	2993109
5.005		411025	365151
5.048		1158517	1232105
5.09		18121	10998
5.127		223776	273392
5.163		3003769	3151692
5.225		1310605	1161296
5.269		833404	777693
5.39		1615414	2123076
5.448		718344	669720
5.489		394625	336938
5.529		100825	99520
5.573		564152	513602
5.63		3847696	3842925
5.717		3442	3044
5.836		2051991	2083465
5.876		121019	191898
5.888		167505	121724
6.021		98046	102282
6.084		94235	69771
6.108		317353	273046
6.265		780653	788907
6.31		52467	51742
6.392		1124	874
6.435		777	574
6.465		221485	234485
6.61	DCB	4164353	4196003
7.067		2944	4135
7.41		899	25450
7.713		915	495
7.79		571	880
8.681		5252	7647

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:14:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.010.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		6604	4853
2.054		60961	39670
2.155		4457	5293
2.186		2260	1114
2.239		14180	21279
2.3		57806	37883
2.341		2487	1879
2.366		3727	2653
2.394		2625	1182
2.414		9024	12230
2.476		6445	4713
2.529		8251	7306
2.547		102301	66586
2.572		9850	5114
2.59		3499	1614
2.616	TCX	43097310	24850320
2.659		424688	303108
2.786		982755	655788
2.833		355790	153679
2.847		926759	482275
2.898		5345189	3196626
2.949		106478	59094
3.009		693160	430824
3.105		4545948	2166857
3.116		1601925	606271
3.156		724982	460749
3.178		404203	222497
3.203		573349	323961
3.227		6689352	4403470
3.264		272796	160796
3.291		161744	77713
3.31		1743536	923070
3.325		1046826	520644
3.352		13014	6271
3.375		4020046	1938069
3.385		8716892	3827493
3.405		278379	96237
3.419		6626459	4316888
3.493		7991921	4994863
3.528		5304423	3232900
3.552		5948849	3217704
3.57		1842578	926547
3.656		6807312	4343167
3.678		2267341	1206461
3.699		2373030	1353083
3.728		1541311	787203
3.745		5839000	3397818
3.786		1968153	1405436
3.833		328293	274585
3.855		1483412	892370
3.878		7733864	4935572
3.902		1613905	948363
3.922		258714	122979
3.941		815488	492308

RT B	Compound B	Height B	Area B
3.976		6230428	4220763
4.01		295324	177852
4.025		490950	315937
4.073		26311	15394
4.086		35382	21282
4.12		538100	612103
4.154		27132	13486
4.178		1741648	1230903
4.22		1181687	713704
4.238		1815008	838076
4.251		3832965	2130331
4.278		2518517	2474192
4.33		14120120	10333480
4.376		206486	191754
4.399		1463509	970648
4.424		3128701	2162819
4.466		16503720	12453210
4.521		6161	4722
4.569		13622760	12604940
4.622		1646870	1379023
4.66		3559004	3115238
4.697		17158290	14326240
4.729		7775587	5277966
4.768		5789442	4315444
4.838		23917	28575
4.867		1899421	1946216
4.919		9989858	7894055
4.942		1464685	934394
4.992		5213865	4656452
5.028		2705064	2079418
5.058		1993598	1678350
5.089		1021043	597076
5.112		23558250	19036000
5.153		485896	365722
5.186		1149591	935103
5.261		6680	5206
5.304		241494	156225
5.327		4488744	3719275
5.372		14912590	16700750
5.471		5721	2987
5.528		713455	620771
5.572		388567	283385
5.596		650104	500659
5.644		2643137	2269549
5.751		5771206	4665465
5.782		302025	223685
5.902		5584	3756
5.95		1604101	1361531
6.001		3520	1874
6.068		3994	2370
6.109	DCB	29174170	25164350
6.285		15531	27649
6.558		20982	18648
6.628		2864	6574
7.128		2185	2279
7.326		1668	5555
7.47		3674	15011
7.842		3070	4425
8.046		1803	2113
8.216		14231	23577
8.325		1324	2270
8.625		1642	3057

AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082

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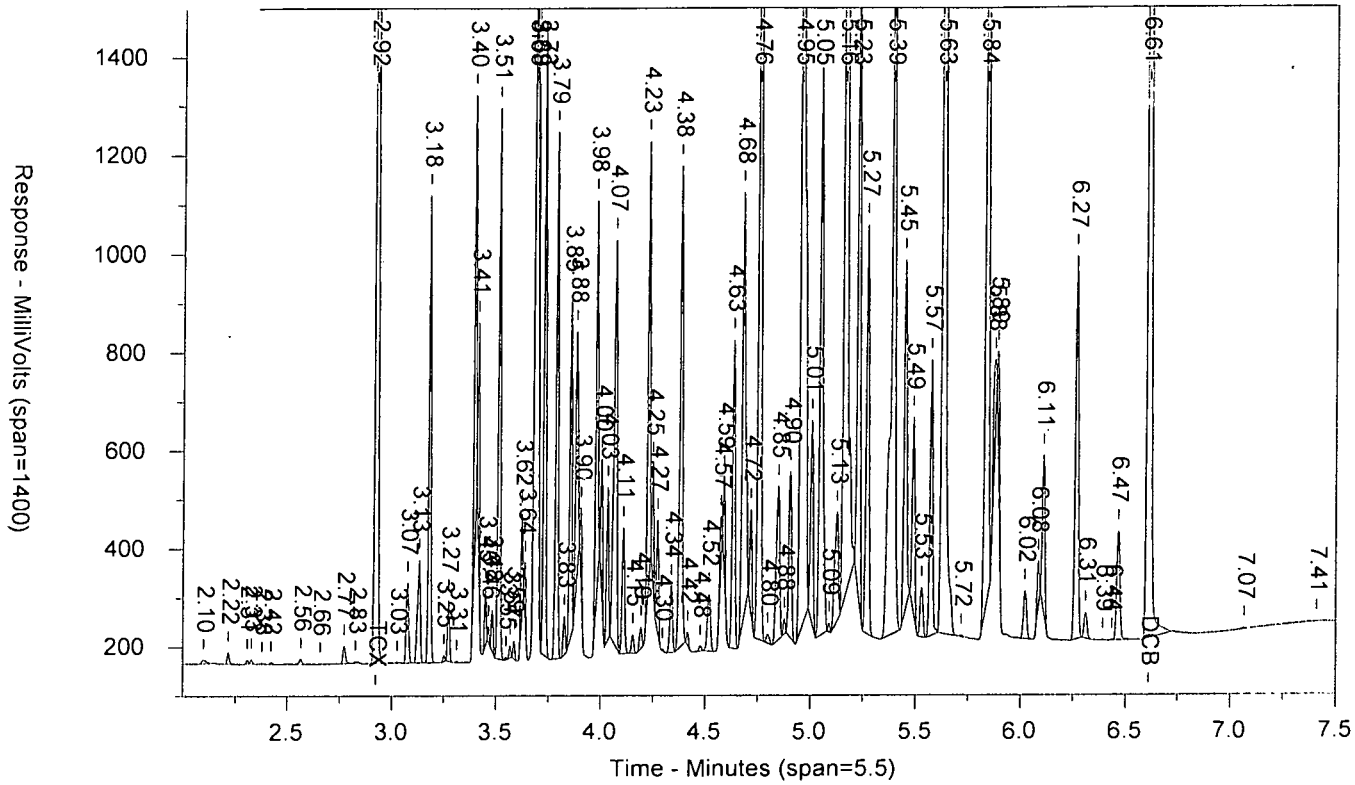

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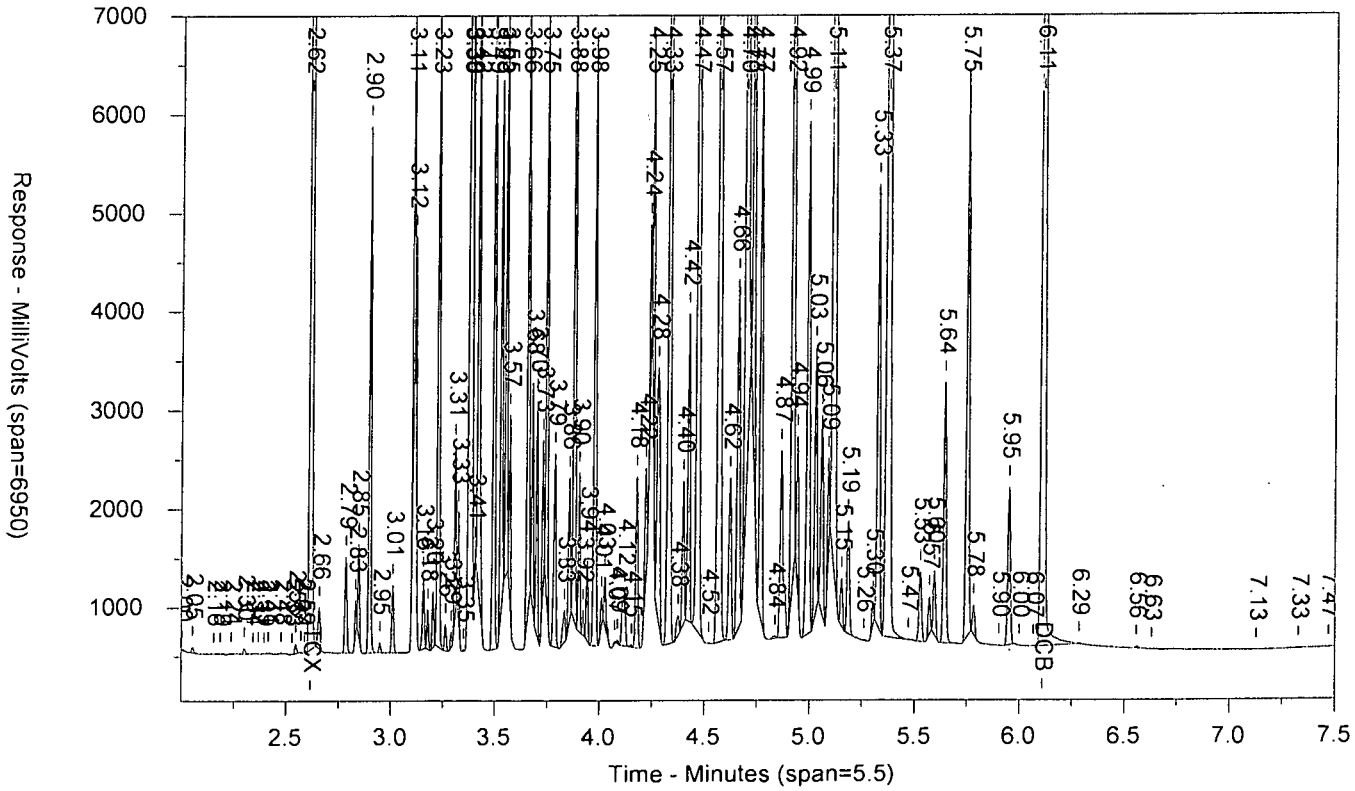

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:14:47 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.922	7055128	63.703	TCX	2.616	43097310	63.864	TCX
6.61	4164353	63.537	DCB	6.109	29174170	62.072	DCB

Files:
Area File: 20pcbs17137001.010.RAW
Area File: 20pcbs17137001B.010.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:23:31 PM
File Reported On: 5/17/2017 at 6:23:44 PM

AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082

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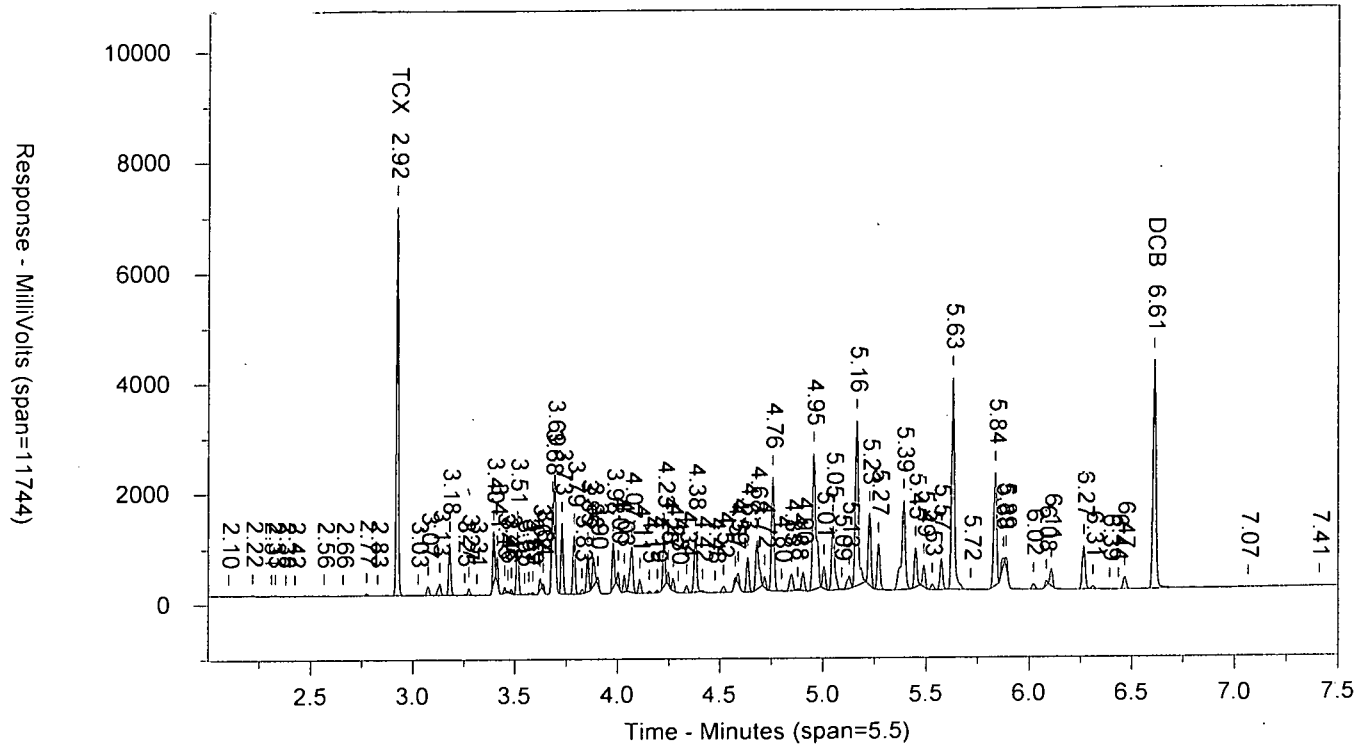

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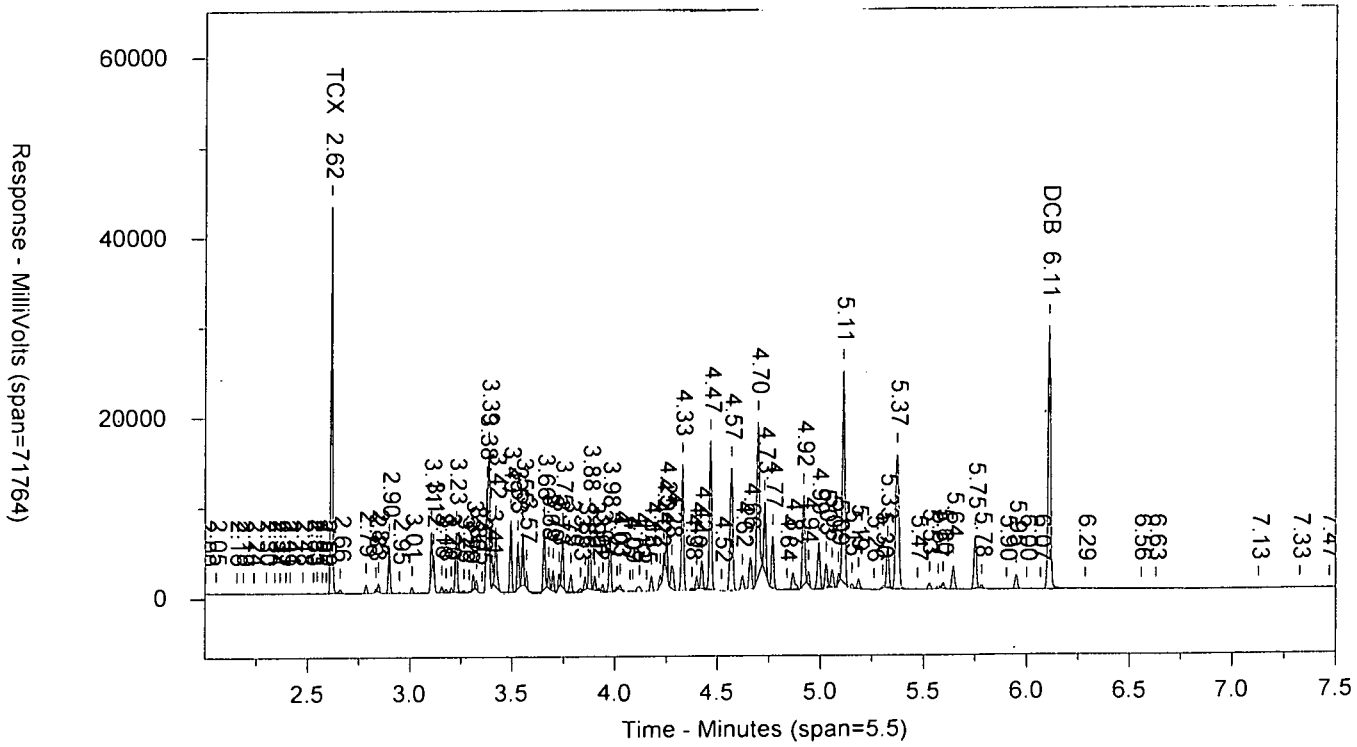

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:26:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.011.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		6609	10567
2.217		33392	23006
2.309		9444	5733
2.328		11149	6737
2.377		1428	1987
2.423		3121	2859
2.501		1027	784
2.565		21447	16823
2.658		1125	1121
2.774		47034	41441
2.829		1374	873
2.842		3161	1685
2.923	TCX	9286271	6284122
3.026		2905	1773
3.076		314848	266435
3.133		398581	345261
3.181		1850936	1297698
3.254		17806	8952
3.274		235064	162457
3.313		5871	4095
3.395		1952608	1136559
3.412		905803	463412
3.45		206301	120580
3.466		59372	24203
3.481		152757	91823
3.512		2116157	1574989
3.547		9391	4932
3.567		31376	18976
3.586		73078	48233
3.622		418719	241215
3.637		217449	103256
3.681		869719	527673
3.692		2268970	1192811
3.728		2480108	1843420
3.787		2078035	1598728
3.826		149122	108795
3.853		1364971	997688
3.881		1016343	863152
3.903		295356	152845
3.978		1639692	1155087
4.002		536778	337128
4.032		601917	427260
4.068		1617722	1689137
4.107		488623	403472
4.153		73769	56197
4.192		81542	69333
4.226		1828750	1336092
4.247		447013	252321
4.27		460645	333793
4.337		261811	222973
4.38		1879169	1716426
4.414		48039	31081
4.477		21116	17395
4.518		223789	228972

RT A	Compound A	Height A	Area A
4.574		157777	108201
4.587		357727	226496
4.633		1223780	1081066
4.679		1745922	1892693
4.716		375013	280866
4.755		4090584	3720198
4.799		32163	32821
4.846		623060	678968
4.876		50367	32104
4.902		667361	601729
4.955		5111985	5961543
5.005		813959	713696
5.048		2337167	2477950
5.09		33060	19495
5.127		431279	513572
5.163		5788389	6380167
5.226		2543038	2310811
5.269		1638614	1537112
5.371		125794	179603
5.391		2818184	2401664
5.449		1389810	1312690
5.488		764268	663607
5.529		174754	164928
5.574		1069849	989258
5.63		7643374	7680144
5.714		5479	6423
5.836		4193396	4215172
5.876		212751	326892
5.887		277349	250041
6.022		136160	139066
6.086		135208	103076
6.109		608573	534065
6.216		2019	1504
6.266		1592194	1542332
6.311		100351	94551
6.433		1004	844
6.467		411987	416418
6.612	DCB	5556144	5570106
7.068		3930	5098
7.209		706	438
7.308		302	1937
7.429		666	1362
8.142		734	625

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:26:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.011.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		5049	4308
2.054		78421	52686
2.149		6215	7146
2.187		3595	1551
2.242		12075	25298
2.3		112729	74905
2.363		4237	2894
2.413		7446	8531
2.477		5959	10803
2.529		9038	7025
2.547		132687	89302
2.572		20993	10970
2.59		2901	1521
2.616	TCX	56564200	33476620
2.659		760520	569812
2.76		1625	811
2.786		1928872	1287484
2.833		406980	184745
2.847		1785393	955540
2.899		10114640	6038160
2.949		137415	79915
2.986		3036	1686
3.01		1277752	800441
3.086		4406	1880
3.106		12407000	12141120
3.157		1430225	895633
3.178		755437	427973
3.203		1084799	600889
3.227		12762260	8394360
3.264		535063	315213
3.292		200253	94206
3.31		3586924	1804541
3.326		2083838	989159
3.352		23936	11199
3.376		7474550	3448850
3.385		17491340	7291536
3.406		446992	180030
3.419		13825460	8804595
3.493		16489430	9770370
3.528		10268590	6283276
3.551		11574780	6313338
3.569		3672657	1834353
3.622		5465	2088
3.655		12975370	8475472
3.677		4609047	2421276
3.699		4726709	2648968
3.728		3059692	1547909
3.744		11542480	6666600
3.785		3866337	2709304
3.833		602263	532183
3.855		3034871	1699028
3.877		14893850	9651443
3.902		3169828	1844005
3.921		459374	220397

RT B	Compound B	Height B	Area B
3.94		1600388	970787
3.975		12499880	8218656
4.009		551214	339682
4.025		912477	586860
4.071		27349	16924
4.086		94221	58298
4.112		111118	103256
4.119		439844	220888
4.153		43741	21283
4.177		3484572	2400744
4.218		2586604	1551717
4.237		3416198	1720834
4.251		8527515	4475124
4.277		4525069	4850387
4.328		27096230	20268580
4.375		384726	359808
4.398		2789599	1881516
4.423		5986391	4225441
4.466		32954410	24649070
4.569		26601510	24940970
4.621		3259109	2670662
4.659		7204695	6046917
4.696		35179360	28493330
4.728		14967790	10350100
4.767		10816790	8573390
4.835		47810	50734
4.866		3189371	2305444
4.883		331778	167160
4.918		20673490	15787180
4.941		2861660	1808256
4.992		10473700	9119623
5.028		5218651	4089662
5.057		3806092	3220714
5.089		1952650	1120329
5.112		47355350	39136040
5.153		954822	715299
5.185		1917115	1572556
5.226		15145	7048
5.303		441286	291250
5.326		8458221	7328032
5.372		31609230	34026340
5.472		10638	6050
5.527		1014981	863672
5.572		748031	565380
5.596		852197	644466
5.644		5199789	4391417
5.751		11296540	9233591
5.782		600846	427308
5.901		6961	5270
5.95		2781653	2538161
6.066		6370	5053
6.109	DCB	37969230	33247000
6.217		9009	5089
6.241		10288	7613
6.284		22105	21271
6.56		26445	22590
6.633		2915	6339
6.732		4279	3472
7.128		2616	3758
7.245		2319	2110
7.31		3752	4527
7.44		1722	3963
7.468		3288	5127
7.606		2539	5191
7.718		3630	11180
8.215		15362	25469

RT B	Compound B	Height B	Area B
8.462		2678	7052

AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082

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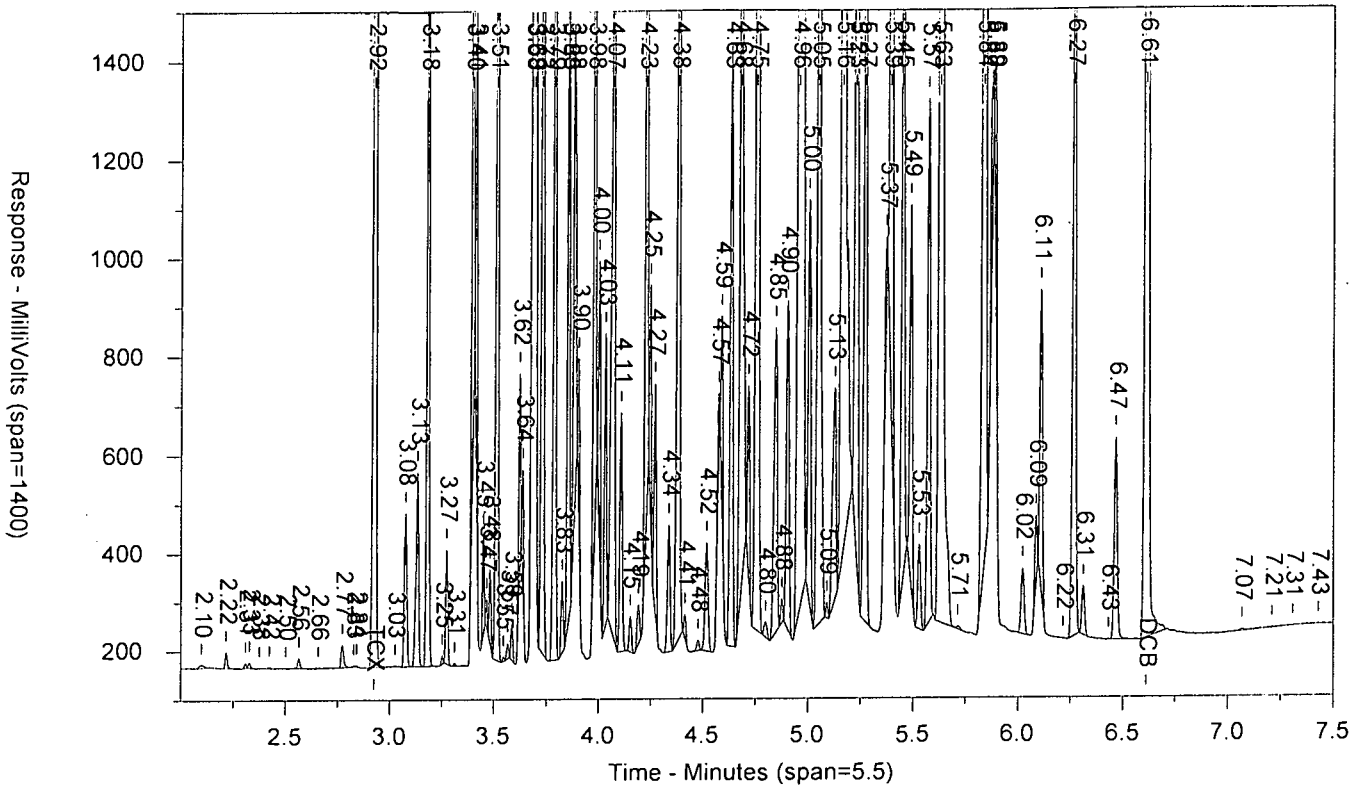

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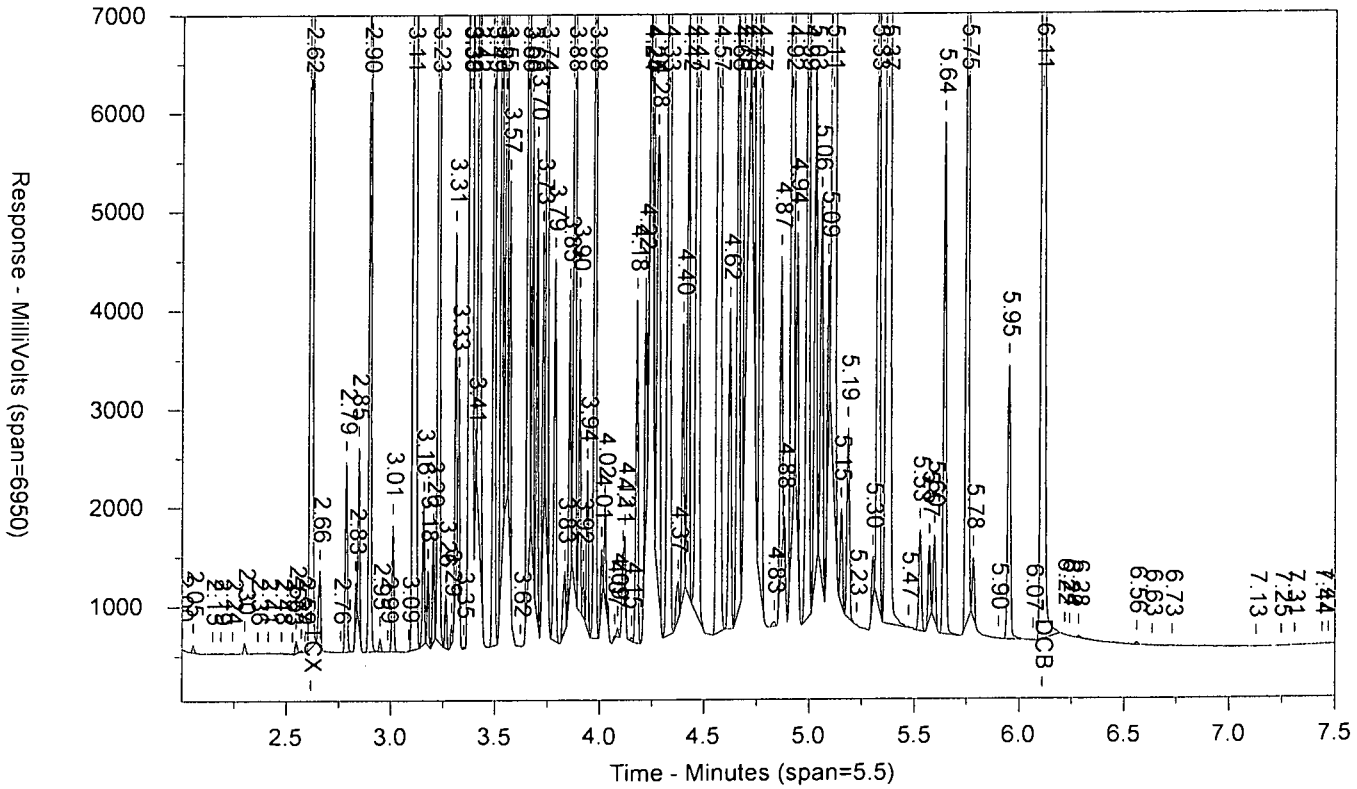

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:26:15 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	9286271	82.662	TCX	2.616	56564200	82.637	TCX
6.612	5556144	83.221	DCB	6.109	37969230	79.504	DCB

Files:
Area File: 20pcbs17137001.011.RAW
Area File: 20pcbs17137001B.011.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:34:58 PM
File Reported On: 5/17/2017 at 6:35:07 PM

AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082

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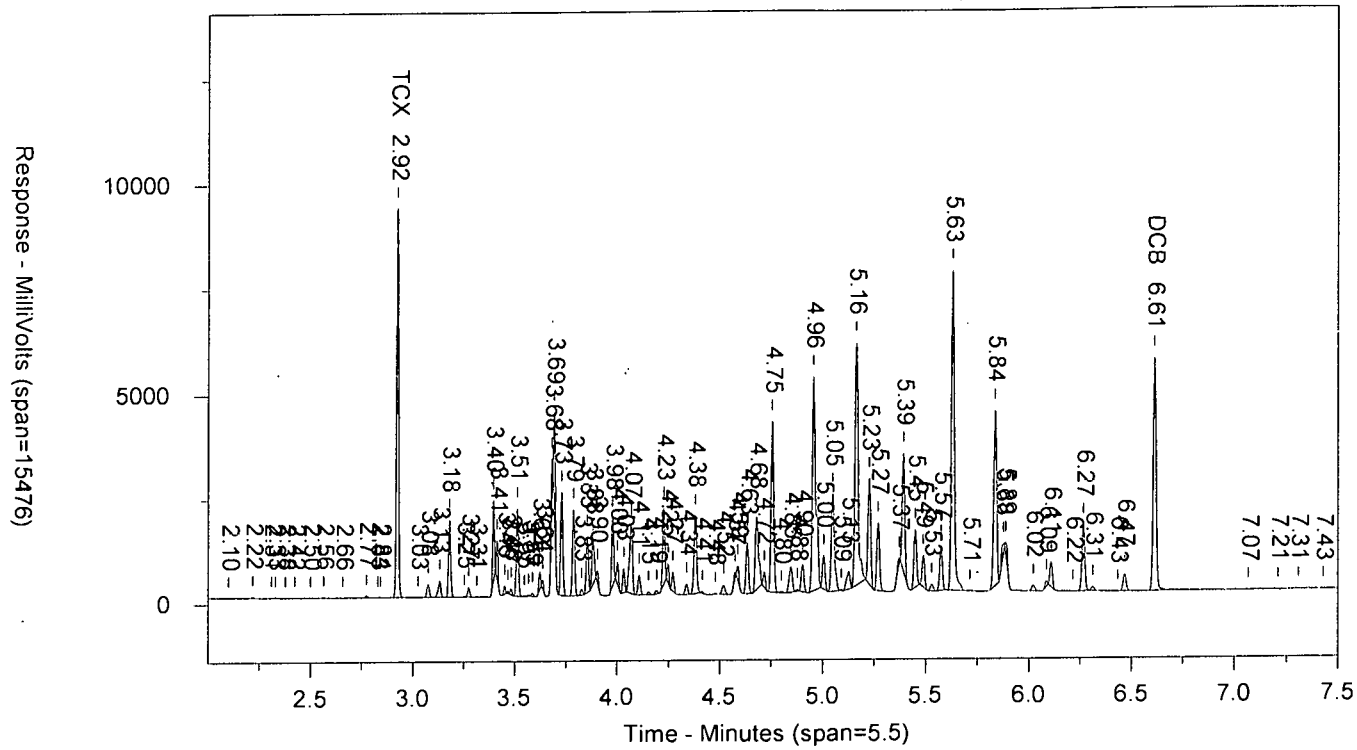

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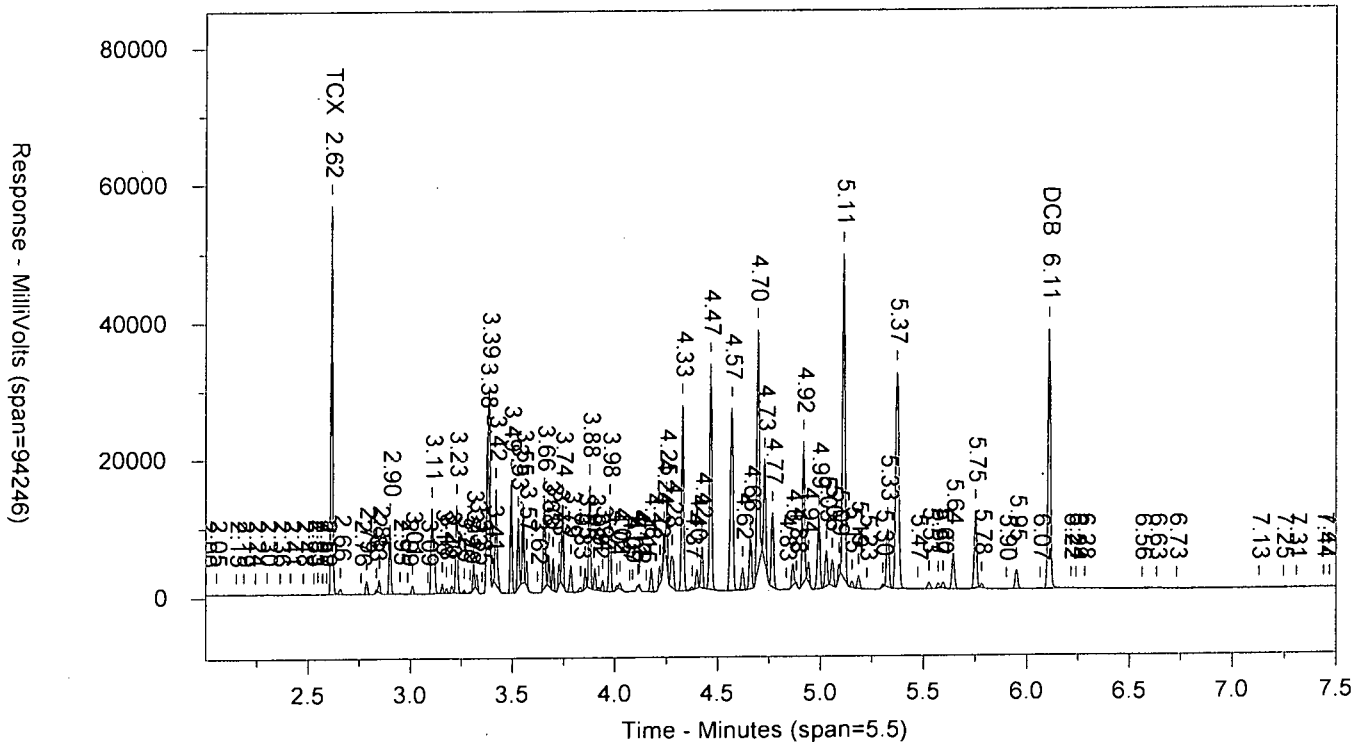

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:37:44 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.012.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		9420	13791
2.139		2695	3192
2.218		1548	1231
2.309		17593	12805
2.379		1971	2311
2.424		3230	2863
2.551		1637	1231
2.661		1205	938
2.774		36807	31385
2.828		3966	3504
2.923	TCX	460974	306632
3.075		3648	3042
3.123		6576	6443
3.181		22198	17757
3.252		1136	614
3.274		4080	2899
3.395		66539	40572
3.412		20147	9344
3.449		3730	2222
3.481		1322	871
3.512		54242	40738
3.586		1865	1282
3.621		8696	5174
3.68		51110	25975
3.691		38092	22196
3.727		63771	48265
3.785		64312	49370
3.826		8233	5557
3.853		120639	88677
3.88		79453	62835
3.902		23382	13177
3.977		134537	99753
4.001		39255	25112
4.032		47204	33667
4.067		111038	105185
4.107		37712	29886
4.152		2433	1456
4.192		11015	9366
4.225		107029	76255
4.246		125818	84164
4.269		138872	101155
4.294		4561	2737
4.336		13002	12120
4.376		132507	109784
4.397		33005	17180
4.414		19711	11509
4.452		1847	1154
4.477		7483	5655
4.519		39651	38270
4.572		56844	48554
4.602		32615	24171
4.633		96997	83841
4.678		2597	2559
4.718		37162	33180

RT A	Compound A	Height A	Area A
4.755		9074	10642
4.805		8310	7753
4.847		63827	59798
4.927		5810	7266
4.954		5586	3714
4.972		4513	2689
5.047		61112	61478
5.087		1620	1175
5.117		3936	4439
5.163		16794	16115
5.202		1956	1480
5.224		2190	1687
5.269		1559	1776
5.375		3289	2838
5.433		1011	1006
5.529		4227	4690
5.573		3067	3196
5.63		4080	3068
5.65		2861	2189
5.746		1379	1131
5.835		5260	5769
5.894		1611	2470
5.988		1174	1286
6.022		5552	5854
6.087		5249	4867
6.107		1396	850
6.222		820	2372
6.266		2133	2204
6.332		2179	2208
6.463		4410	4390
6.506		1274	1555
6.611	DCB	287278	315972
7.303		1082	62618
8.242		408	493
8.452		765	792

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:37:44 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.012.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		13837	11521
2.158		6038	4406
2.202		8846	4381
2.242		14742	23404
2.301		2489	2659
2.343		1735	1225
2.413		10480	14250
2.478		5171	3746
2.547		107455	84633
2.615	TCX	2792628	1632223
2.659		8028	5082
2.702		3908	6430
2.786		19090	14055
2.833		32219	16276
2.847		15034	9075
2.899		125696	93234
2.949		7374	4768
3.009		24675	17475
3.105		423146	365759
3.157		16966	9686
3.179		14715	11204
3.202		12530	6411
3.227		335335	221142
3.266		19372	12424
3.291		10944	5281
3.31		70444	35061
3.325		81426	41767
3.354		3156	1550
3.375		335505	152097
3.384		346830	148681
3.405		72833	31513
3.418		306693	170510
3.493		508469	317825
3.527		865156	525161
3.551		791158	438826
3.569		268385	136027
3.598		4439	3854
3.654		1060079	673747
3.677		310794	170971
3.698		349791	206025
3.727		161321	82064
3.743		747212	439649
3.785		284286	199864
3.832		57506	48559
3.854		579818	360234
3.876		1406615	889202
3.901		973126	605228
3.921		85680	41372
3.939		72415	39043
3.975		433187	300332
4.01		700668	535716
4.038		345500	197367
4.074		18716	12517
4.084		23521	11260

RT B	Compound B	Height B	Area B
4.119		256598	189309
4.176		409784	311064
4.209		247485	165484
4.237		637437	466741
4.275		13398	12403
4.33		267772	251235
4.366		57493	42078
4.398		392834	292850
4.422		12899	6737
4.441		5257	2617
4.465		55036	34933
4.49		33382	23215
4.515		9877	10037
4.565		71770	75357
4.616		365100	279425
4.644		4461	2229
4.66		10002	10245
4.696		106538	88952
4.728		8227	4237
4.768		10978	11681
4.842		12128	16920
4.865		2204	1165
4.884		3799	2997
4.917		19274	13880
4.941		33457	25388
4.989		10823	9826
5.026		5075	4034
5.061		14250	11408
5.088		13709	8898
5.111		35264	28947
5.185		32174	26845
5.327		10781	8032
5.346		4032	1904
5.373		23360	23338
5.444		5960	5060
5.527		41637	36055
5.595		45547	44880
5.644		19132	22733
5.749		11345	11294
5.832		2688	2458
5.948		29788	26671
6.109	DCB	2026870	1878598
7.193		1996	1167
7.365		1771	6866
7.437		2156	4853
7.921		1763	1750
8.218		15936	30555

AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082

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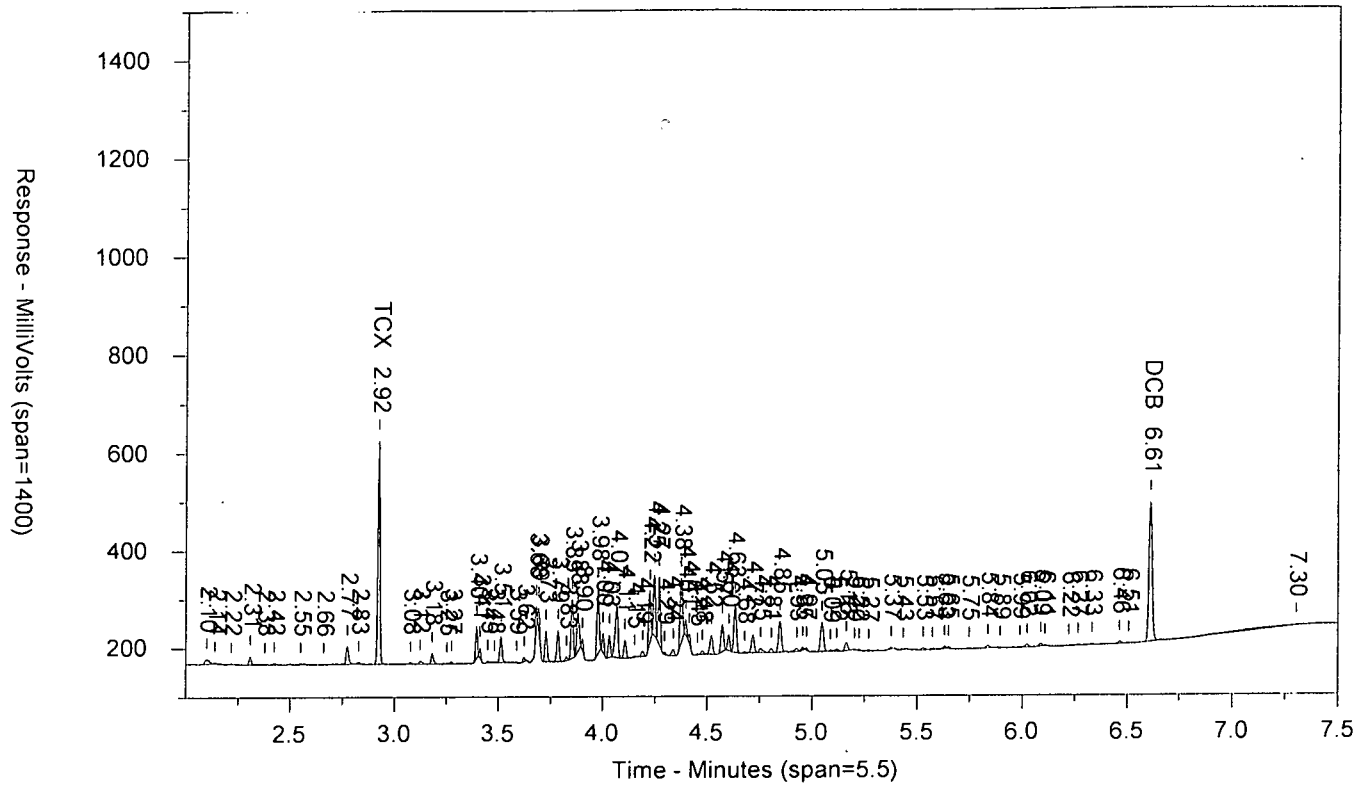

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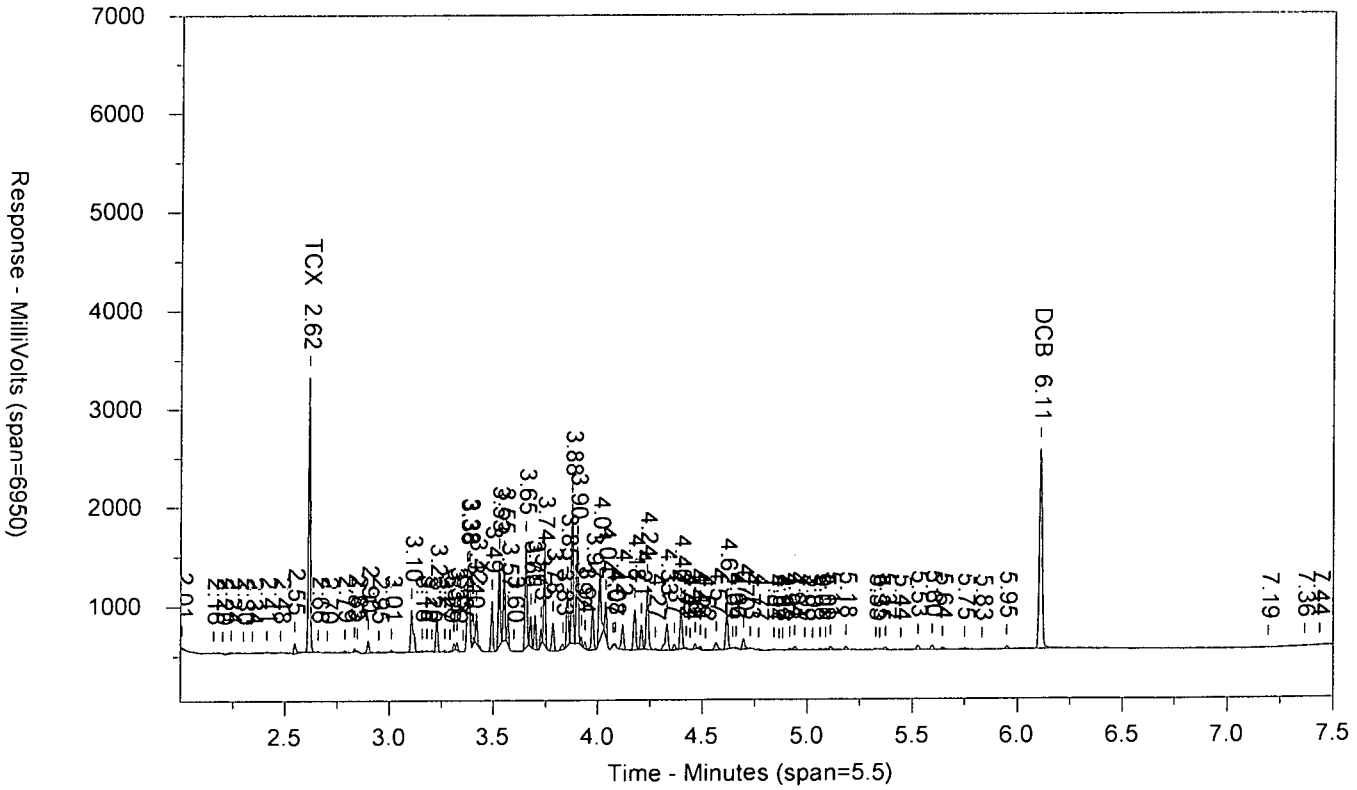

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:37:44 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	460974	4.056	TCX	2.615	2792628	4.04	TCX
6.611	287278	4.175	DCB	6.109	2026870	4.16	DCB

Files:
Area File: 20pcbs17137001.012.RAW
Area File: 20pcbs17137001B.012.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:46:29 PM
File Reported On: 5/17/2017 at 6:46:37 PM

AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082

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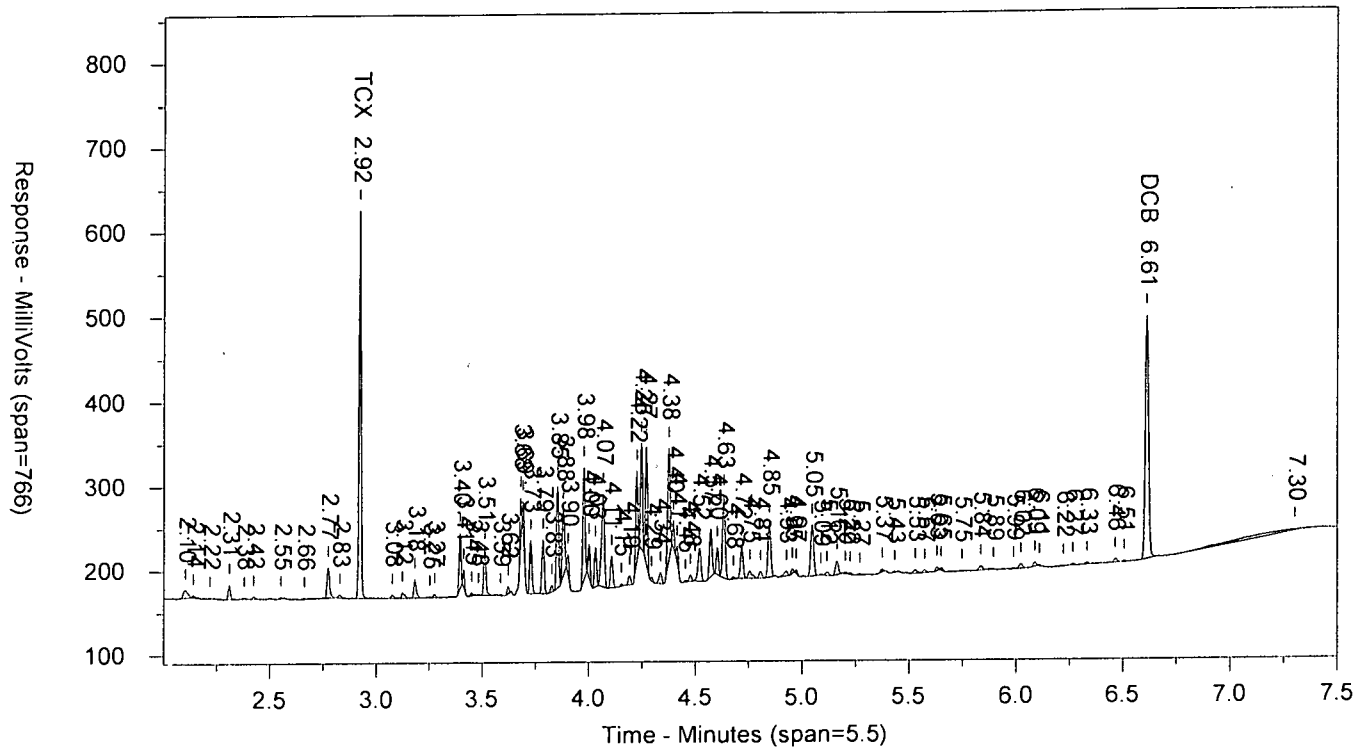

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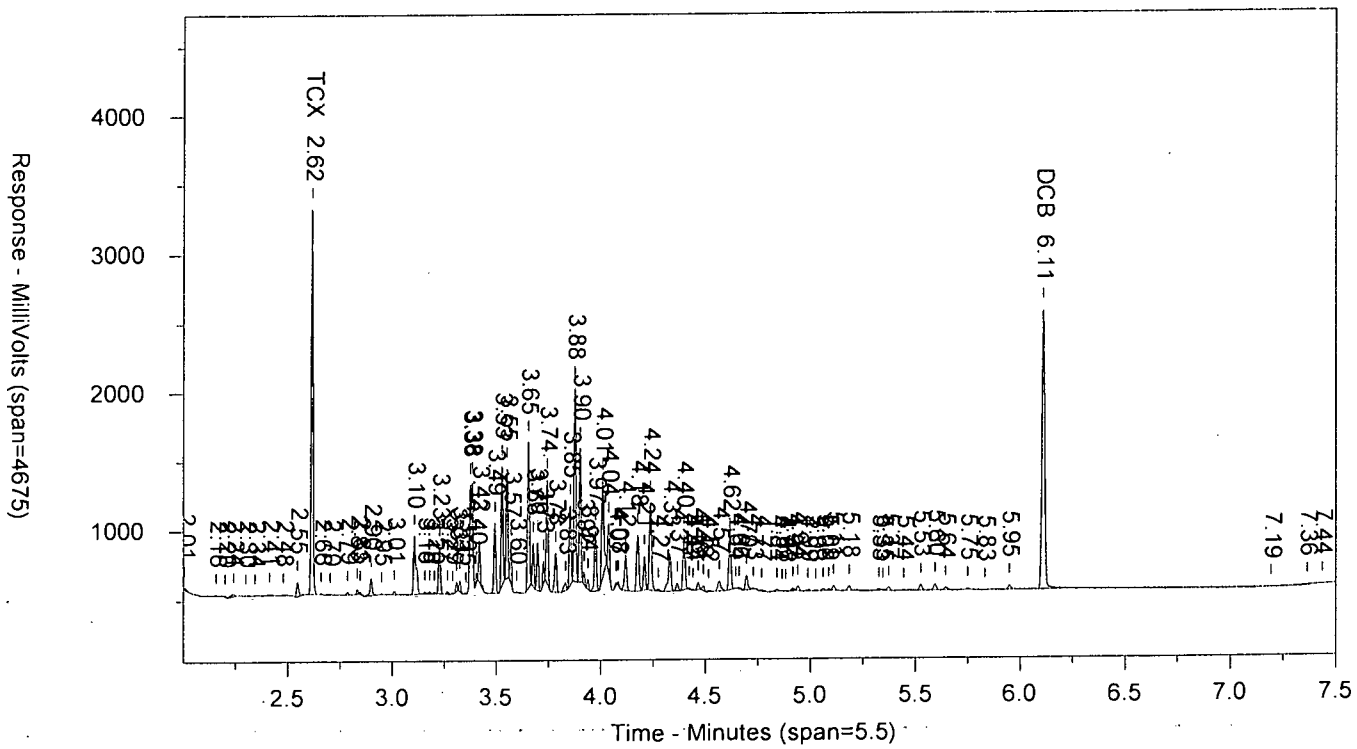

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:49:09 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.013.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		8863	12774
2.217		7883	6283
2.309		17058	10884
2.328		2033	1139
2.378		1826	2076
2.424		3220	2724
2.501		783	907
2.55		930	688
2.658		1162	990
2.774		36945	32374
2.828		4181	4053
2.923	TCX	2278533	1522250
3.075		7340	6495
3.122		33148	25086
3.181		44509	33093
3.253		5064	2971
3.273		7960	5117
3.394		120669	76145
3.411		37077	18184
3.448		7807	4539
3.481		2419	1499
3.511		106353	78468
3.567		7654	4597
3.584		2856	1725
3.62		19558	10913
3.635		5024	2112
3.679		85107	46887
3.69		94974	49013
3.726		121620	95712
3.784		118635	98850
3.825		18392	12179
3.852		225584	167928
3.879		152868	121488
3.902		49125	26753
3.977		264307	190492
4		76727	49035
4.03		92742	66611
4.066		215342	203852
4.107		76787	59738
4.152		6335	4535
4.191		21383	18438
4.224		204920	142782
4.245		256218	163739
4.268		253751	196866
4.294		3248	1885
4.335		26263	23979
4.374		246079	210227
4.396		61552	31650
4.412		41504	22841
4.452		3815	2534
4.476		15100	11170
4.518		78122	70692
4.571		106928	94912
4.602		63905	46638

RT A	Compound A	Height A	Area A
4.631		183459	160259
4.677		4600	4351
4.717		73920	64288
4.754		16219	20030
4.805		17218	16019
4.846		121956	114282
4.877		5010	3513
4.925		10589	13229
4.954		10041	7430
4.971		8133	4912
5.003		2019	1505
5.046		118261	113310
5.088		2502	1962
5.117		14023	14486
5.162		28608	28155
5.202		2650	1689
5.223		3861	3160
5.266		2559	2616
5.373		11513	17369
5.448		3104	4466
5.527		12100	12065
5.573		5646	4737
5.629		5386	3604
5.649		15739	13504
5.833		9131	10003
5.889		3152	5333
5.983		936	670
6.021		25946	25612
6.085		23482	20783
6.265		3900	4752
6.465		17052	17693
6.611	DCB	1306080	1375143
7.07		1067	3992
7.352		946	23922
7.817		619	376
8.151		693	492
8.421		871	5862

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL.1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:49:09 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.013.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		12674	9588
2.053		21106	15095
2.119		1803	1366
2.157		5401	4043
2.24		15572	24720
2.394		1693	1038
2.411		5254	5952
2.477		6016	4726
2.547		108403	85248
2.616	TCX	13624770	8113178
2.659		13338	6855
2.786		47617	34058
2.833		187138	143484
2.898		246549	165125
2.949		35799	21302
3.009		50331	30714
3.105		793582	694356
3.156		44860	25862
3.178		24210	15005
3.203		22217	12059
3.226		650909	426639
3.264		31310	18749
3.291		60358	30226
3.309		146093	73412
3.324		94903	45633
3.353		3200	1295
3.374		663878	308601
3.384		712787	278776
3.404		142940	60947
3.417		596263	339440
3.492		978927	610801
3.526		1603513	1002633
3.55		1476024	831493
3.568		521860	255818
3.653		2040152	1292816
3.676		584327	317512
3.697		667585	396289
3.726		305199	152756
3.743		1446082	847009
3.783		548478	388253
3.831		113492	94019
3.853		1160536	697154
3.876		2750551	1739992
3.901		1976571	1194788
3.92		170095	81575
3.938		139618	76284
3.974		825765	569739
4.009		1379956	1038199
4.037		716173	397922
4.084		116435	117795
4.119		498679	363146
4.15		6017	2857
4.175		815248	605941
4.208		458027	317281

RT B	Compound B	Height B	Area B
4.236		1230562	895747
4.274		24713	24306
4.33		506491	475448
4.365		123636	86474
4.397		795399	574260
4.421		23369	11593
4.439		29019	17037
4.464		104496	65148
4.489		61354	42980
4.526		3070	4331
4.564		133747	134939
4.615		713273	566649
4.667		74529	74137
4.696		190862	162598
4.727		15875	7286
4.742		13738	7063
4.765		17366	15290
4.841		11660	18085
4.866		3861	1897
4.883		7770	4665
4.916		35598	25425
4.94		64428	48436
4.989		20000	20841
5.026		7429	5536
5.062		60903	49330
5.088		24377	15902
5.111		60332	51667
5.185		149495	128826
5.305		1869	1361
5.326		28609	24579
5.373		54171	54842
5.443		7885	9255
5.526		178097	154925
5.595		188546	169338
5.644		69006	57783
5.751		24891	20941
5.95		119810	100049
5.983		3382	1976
6.108	DCB	9301134	8333380
6.473		1879	2574
6.558		7280	10450
6.716		1828	2434
7.027		2162	5238
7.496		2036	23563
7.722		2575	5850
7.778		2456	4586
8.216		16487	29376
8.412		1911	2075
8.497		1270	1150

AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082

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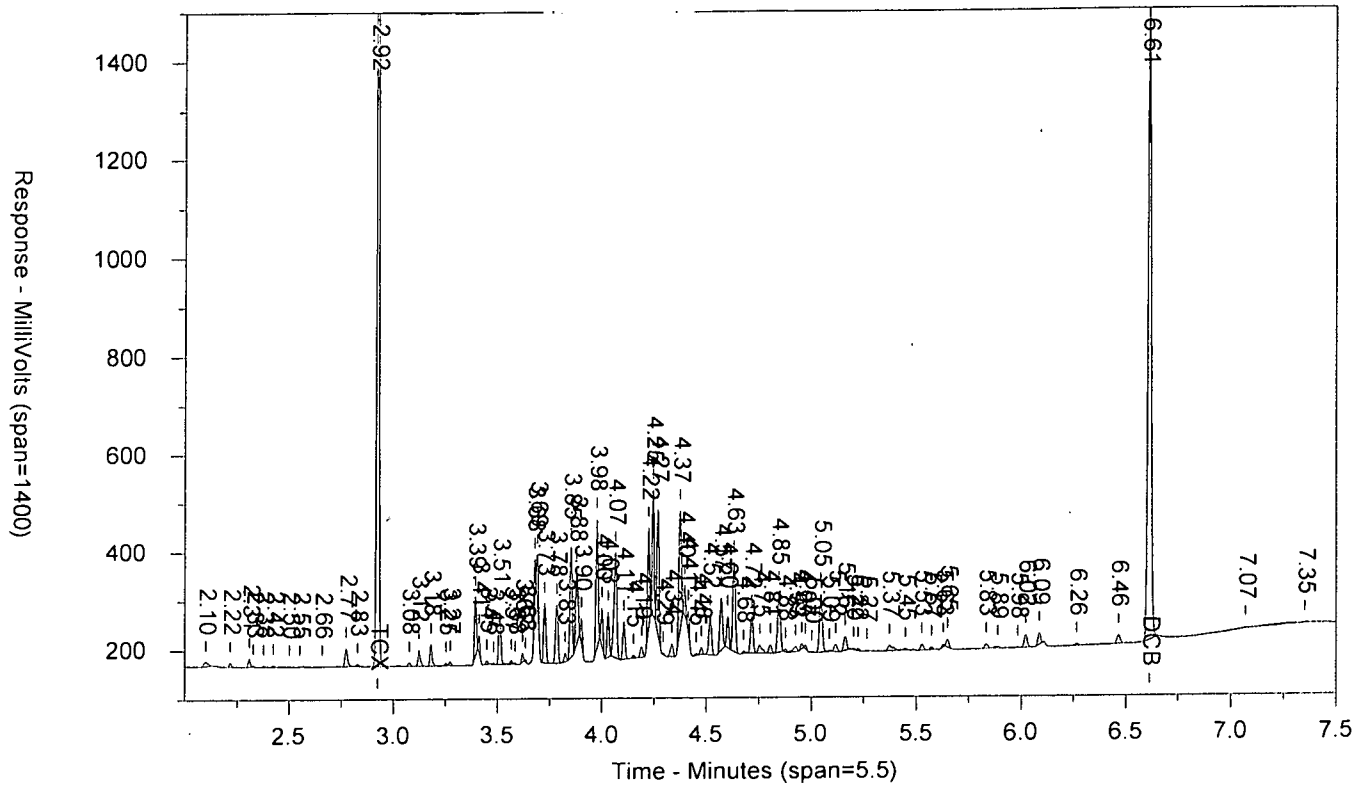

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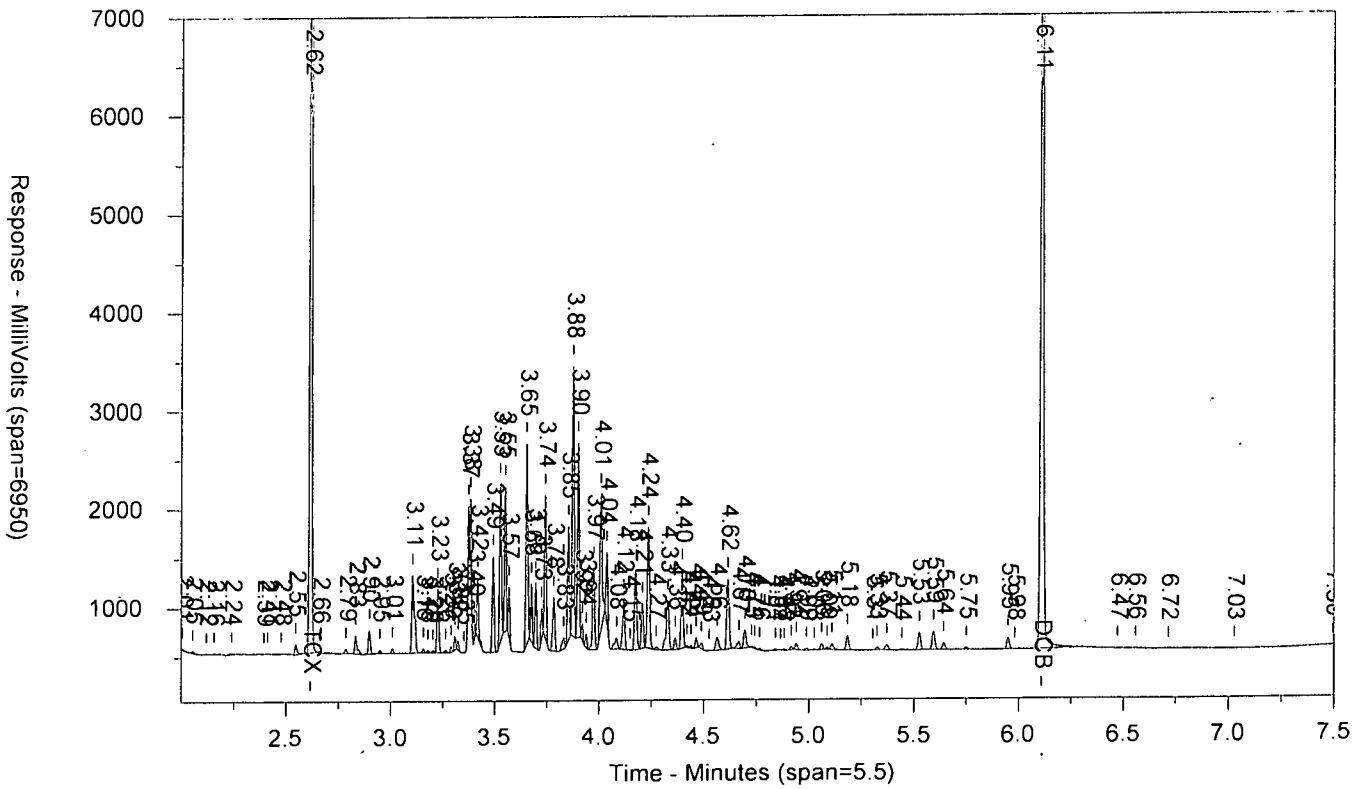

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:49:09 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	2278533	20.05	TCX	2.616	13624770	19.709	TCX
6.611	1306080	18.979	DCB	6.108	9301134	19.092	DCB

Files:
Area File: 20pcbs17137001.013.RAW
Area File: 20pcbs17137001B.013.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:57:54 PM
File Reported On: 5/17/2017 at 6:58:03 PM

AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082

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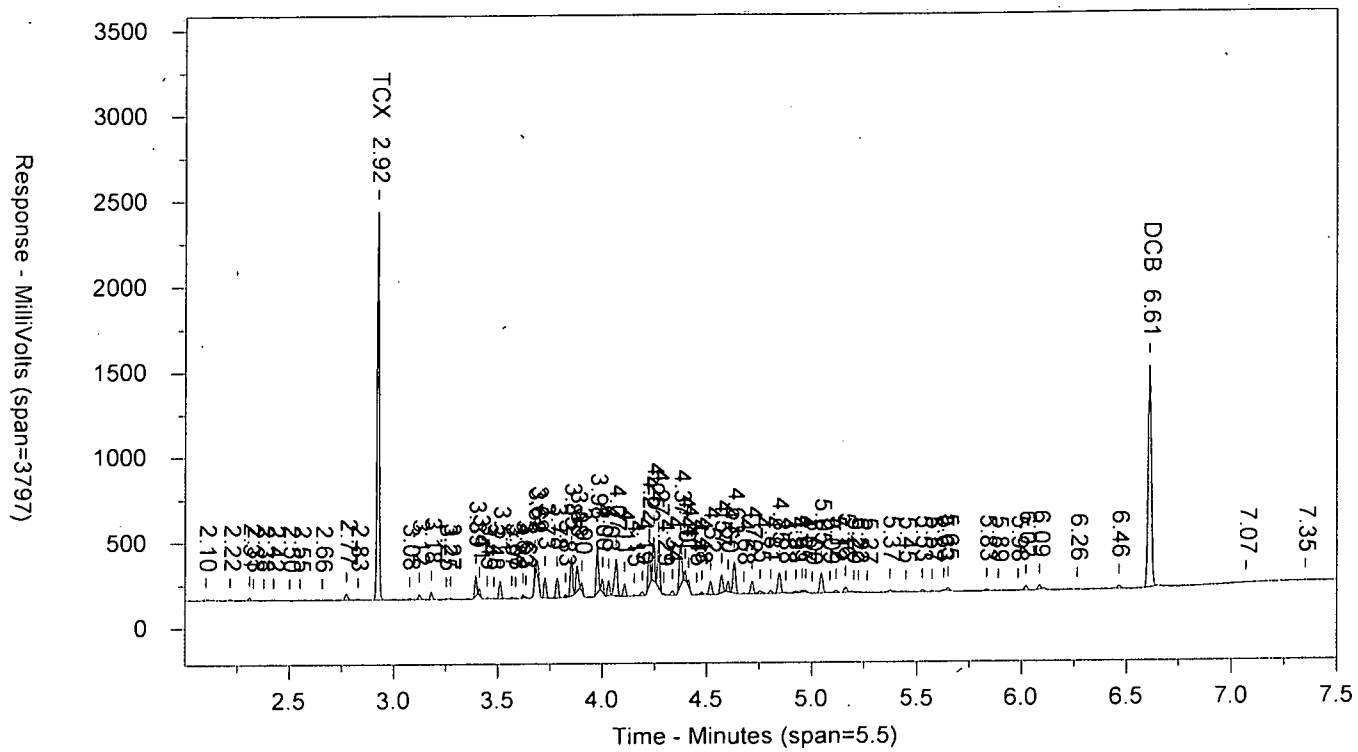

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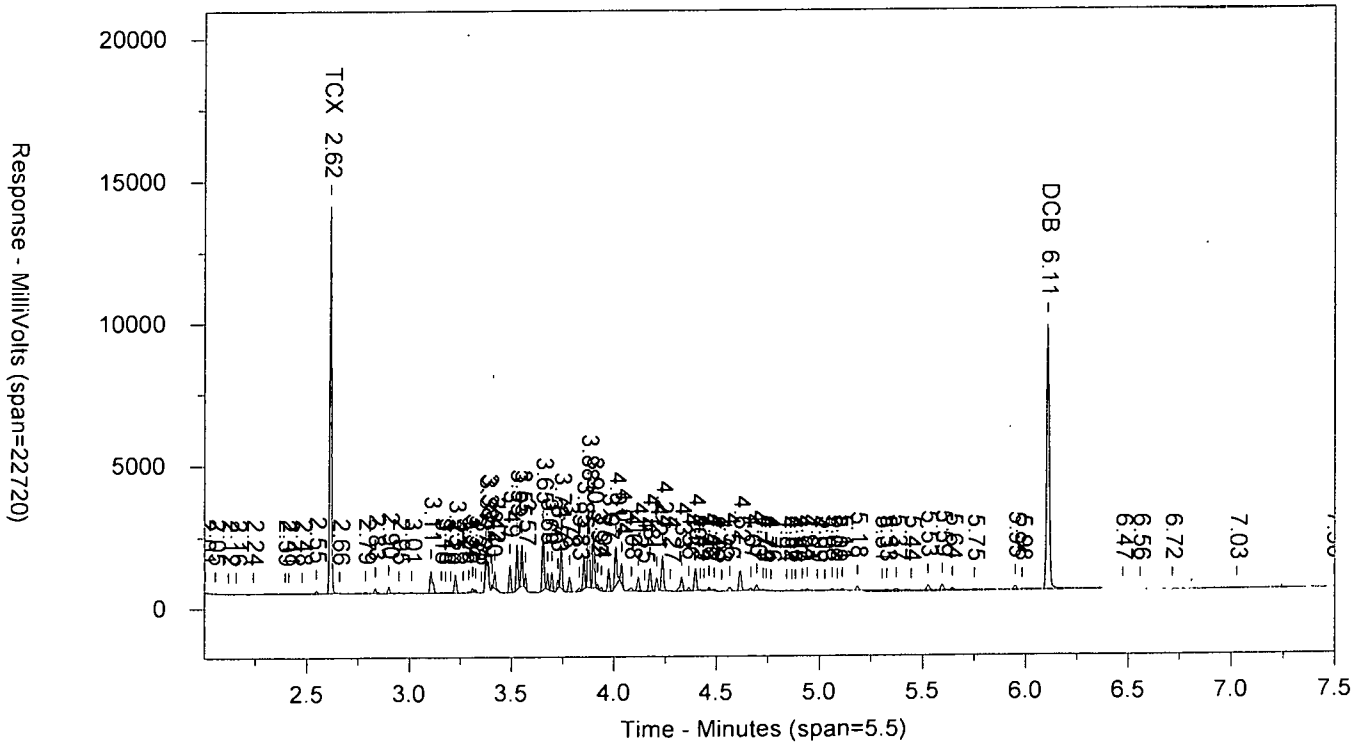

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:00:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.014.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.098		7336	16981
2.217		16226	11825
2.309		14041	8787
2.327		5347	2999
2.375		1209	1416
2.423		4191	3406
2.447		2452	1636
2.564		2513	3753
2.656		1085	867
2.773		40534	35222
2.827		5129	4482
2.923	TCX	4587250	3123811
3.025		1452	765
3.075		16285	13493
3.122		64679	49669
3.18		84570	61014
3.252		9077	5367
3.273		15100	9711
3.359		990	627
3.394		222033	134027
3.411		65503	33182
3.448		14799	8715
3.464		2958	1222
3.48		4553	2542
3.511		195244	146100
3.566		16698	9470
3.584		6998	3893
3.62		36082	21548
3.635		8490	3848
3.679		150048	81391
3.69		171370	89178
3.726		227162	179863
3.784		225668	184826
3.825		35371	24172
3.853		411007	305360
3.88		273118	220845
3.901		84653	46384
3.976		487480	354434
4		131154	86357
4.031		170033	123894
4.066		402590	385907
4.106		135862	112361
4.151		13782	10351
4.191		39839	35741
4.225		381910	269549
4.246		471790	310905
4.269		537758	385660
4.335		49148	46219
4.375		480448	402574
4.396		122790	64051
4.412		68963	40370
4.453		8018	5090
4.476		27833	20987
4.519		138344	130249

RT A	Compound A	Height A	Area A
4.571		203806	178929
4.602		113417	86670
4.631		356304	303032
4.676		6981	4877
4.716		132384	120010
4.754		31226	38211
4.805		32595	30425
4.846		218179	213403
4.876		9982	6739
4.926		18658	22653
4.955		21448	14973
4.971		13512	9218
5.003		4362	3659
5.046		215397	213546
5.09		5162	3796
5.117		25950	26481
5.163		58120	52846
5.202		3963	2271
5.225		8187	6102
5.269		4610	3850
5.373		12843	11039
5.448		5089	5086
5.528		20621	20740
5.573		11315	9751
5.598		1746	1108
5.629		11015	7814
5.649		27066	22025
5.769		457	847
5.834		15684	17087
5.889		6216	10197
5.988		2220	2235
6.021		46753	45496
6.086		43923	37336
6.107		8617	5621
6.265		7398	7925
6.334		906	757
6.465		36413	36015
6.611	DCB	2842436	2848658
7.073		1611	5730
7.306		716	12103
8.405		918	1260

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:00:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.014.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		3444	3863
2.054		44006	39640
2.116		6698	12075
2.156		10009	36453
2.239		14121	22654
2.271		3363	2509
2.301		6009	5309
2.339		2180	1411
2.412		6880	7806
2.483		8694	33895
2.547		115743	101911
2.615	TCX	28617680	16447440
2.658		23928	12271
2.705		5148	5861
2.786		105357	73269
2.833		319001	169103
2.846		37322	13877
2.898		455497	294677
2.949		69823	40519
2.987		4082	2600
3.009		95274	57273
3.105		1482590	1268741
3.156		88139	52558
3.178		49359	28545
3.202		41303	21853
3.226		1188578	790716
3.263		67566	39850
3.291		119484	62255
3.309		268702	133945
3.324		181149	88636
3.352		3110	1589
3.374		1301277	588286
3.384		1391605	540213
3.404		255749	106841
3.417		1129541	652184
3.492		1839733	1141639
3.526		3190942	1861196
3.55		2867077	1557964
3.568		937692	477721
3.653		3901099	2435925
3.675		1060771	576854
3.697		1216937	734922
3.726		588049	301808
3.742		2796950	1616864
3.783		1018226	724635
3.831		207629	179442
3.853		2172541	1309647
3.876		5354666	3322076
3.9		3809695	2298570
3.919		300053	148653
3.938		256799	142934
3.974		1511710	1058953
4.009		2618636	1978975
4.037		1427806	791296

RT B	Compound B	Height B	Area B
4.084		214352	187210
4.119		885113	676623
4.151		10838	5457
4.175		1532848	1152285
4.207		880973	598004
4.236		2374166	1688450
4.274		47048	45713
4.329		929146	892012
4.364		231903	171419
4.397		1505291	1089909
4.42		43909	21586
4.439		52539	30294
4.463		194631	125097
4.489		118363	82224
4.518		2374	2301
4.564		246709	245923
4.616		1462199	1121668
4.667		144890	144677
4.695		359720	313195
4.727		30293	13922
4.741		22855	12165
4.765		28910	22463
4.823		4344	4790
4.838		4921	2650
4.865		8529	4447
4.882		12522	8340
4.917		62485	46529
4.94		122641	91421
4.99		36666	38891
5.027		14333	10858
5.061		116500	94770
5.088		45383	29582
5.11		119537	99019
5.157		3951	2732
5.184		237588	208109
5.302		2565	1929
5.325		56276	45290
5.373		106772	107999
5.444		15439	13148
5.526		319976	275686
5.594		339332	304690
5.643		126665	108124
5.749		48445	40242
5.779		2461	2571
5.903		5207	4533
5.949		237481	203301
5.98		5541	3743
6.003		3923	2475
6.108	DCB	19790550	16876110
6.242		4497	1796
6.559		14308	12962
7.325		1538	3468
7.445		1853	4071
7.581		1203	4806
8.216		14497	24913

AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082

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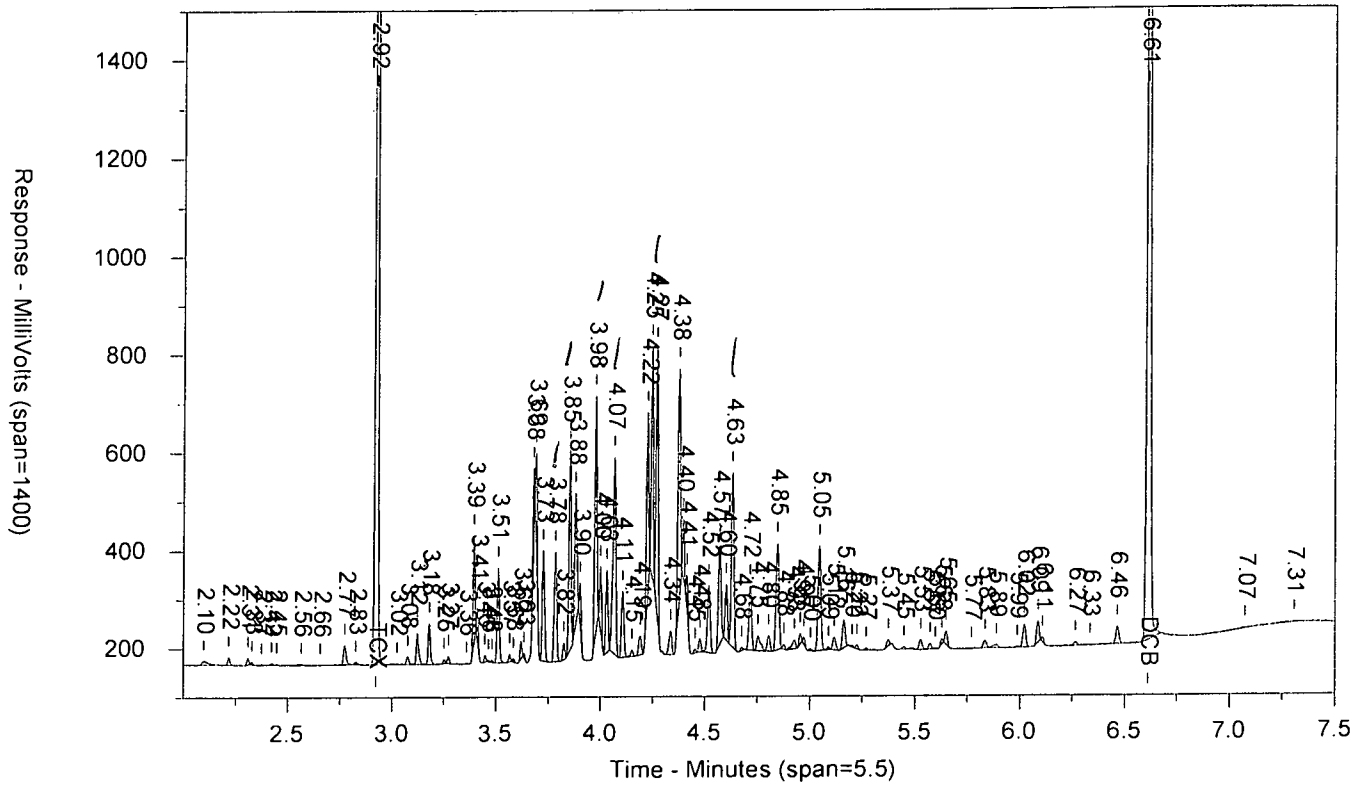

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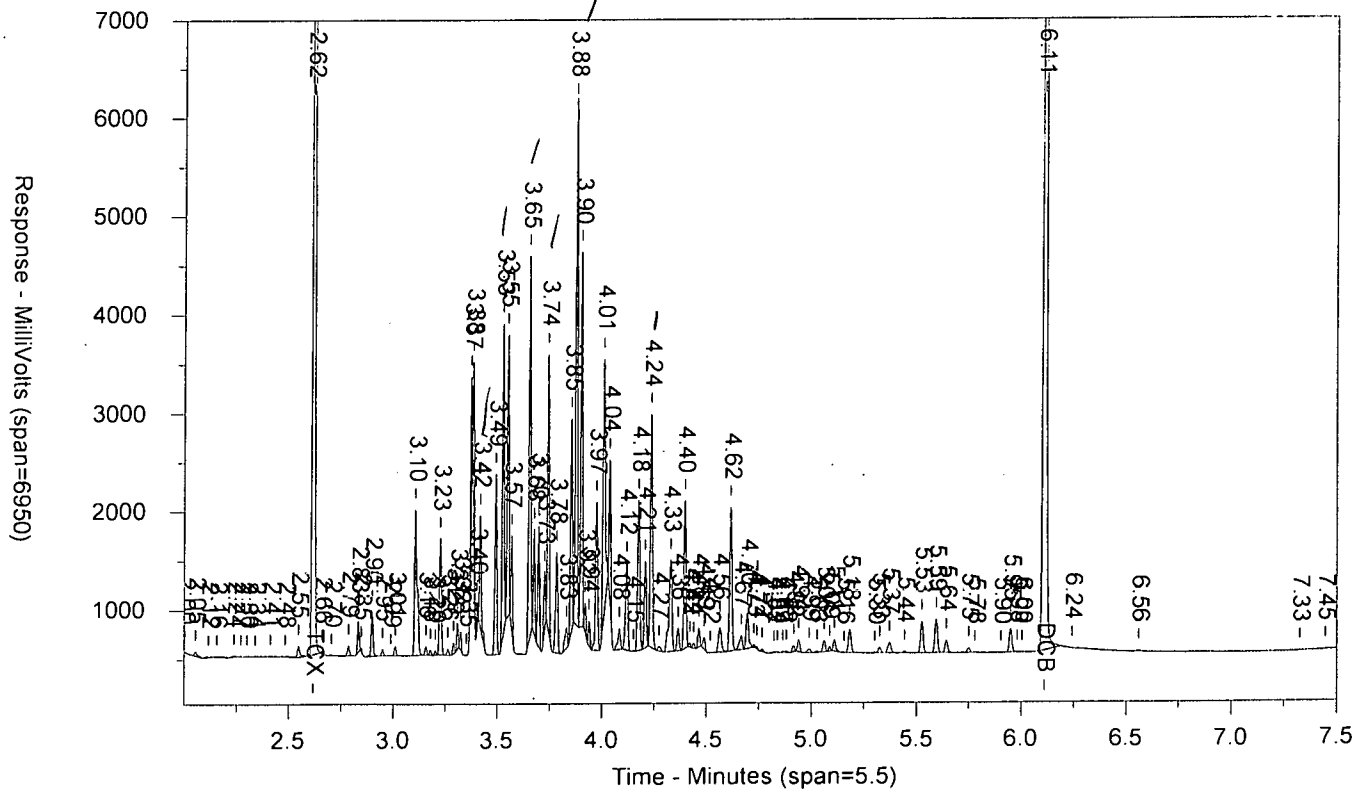

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:00:30 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	4587250	40.366	TCX	2.615	28617680	41.396	TCX
6.611	2842436	41.305	DCB	6.108	19790550	40.623	DCB

Files:
Area File: 20pcbs17137001.014.RAW
Area File: 20pcbs17137001B.014.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:09:14 PM
File Reported On: 5/17/2017 at 7:09:25 PM

AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082

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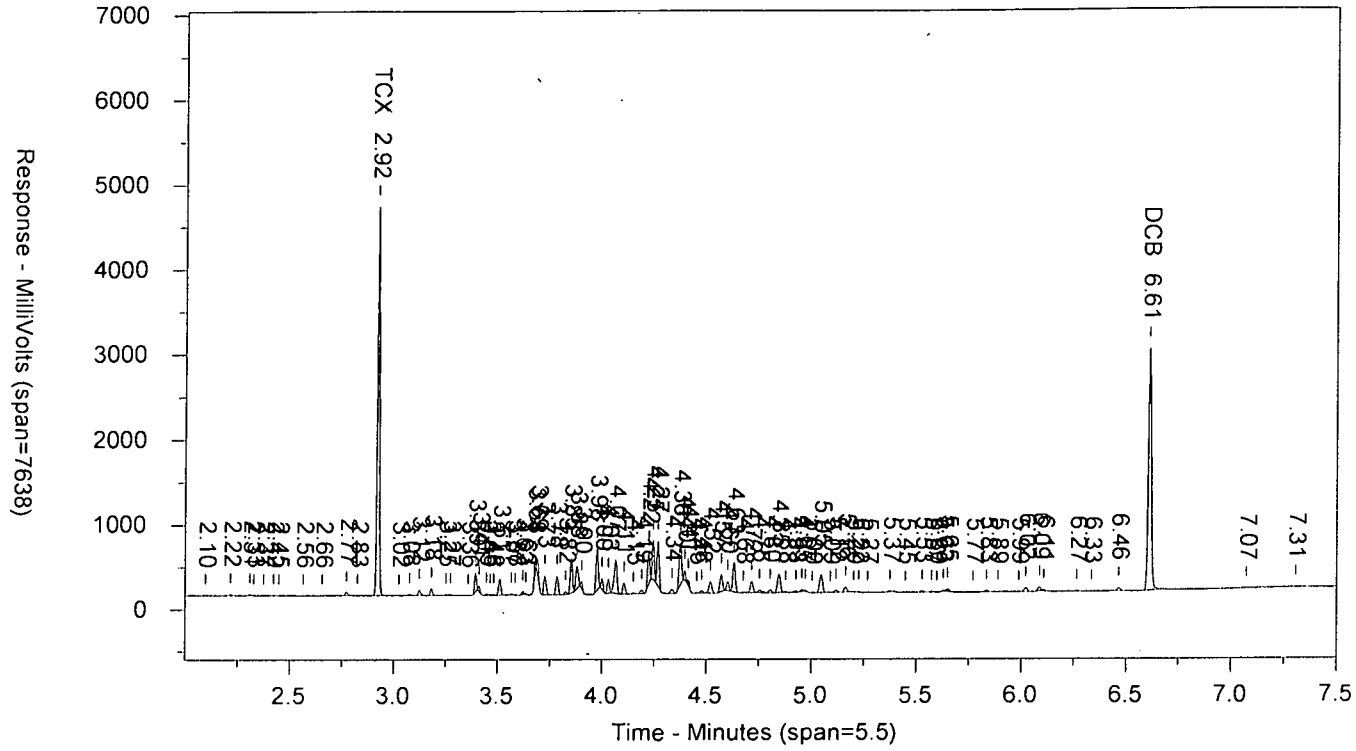

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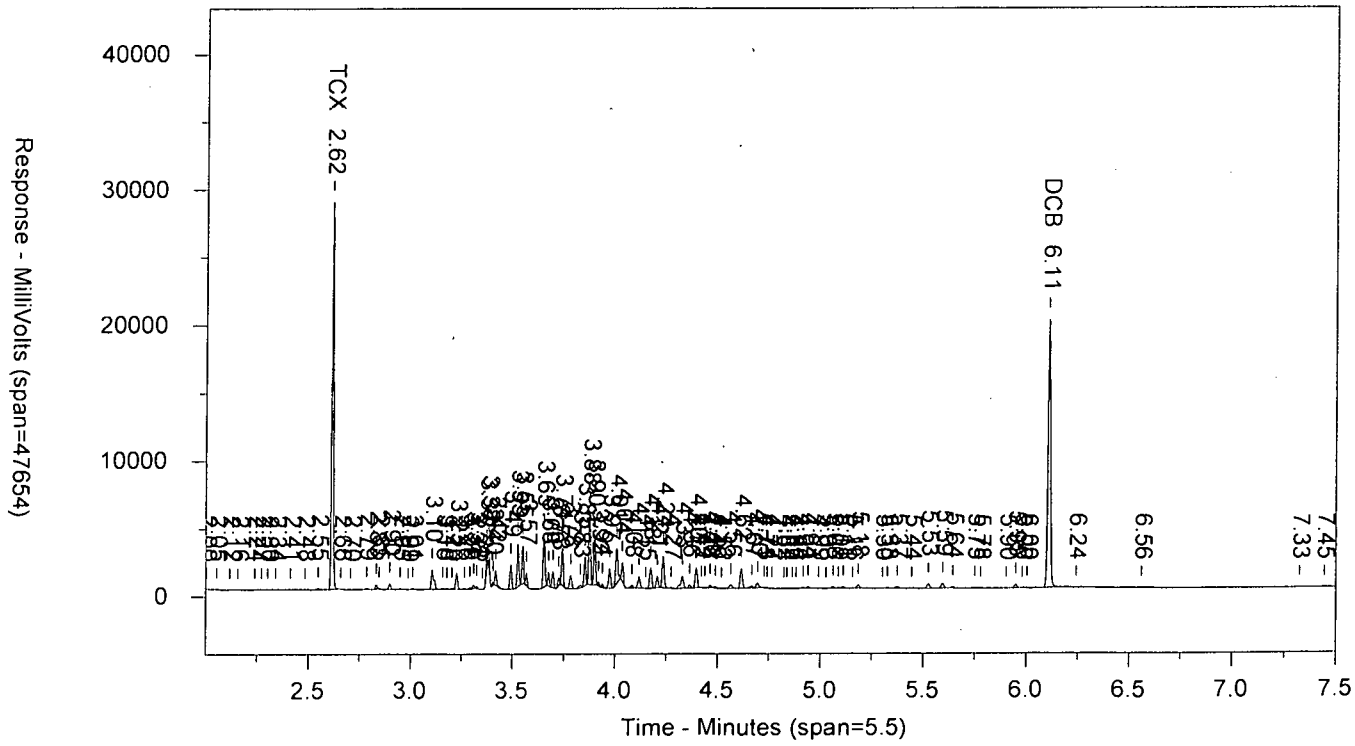


LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:12:00 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.015.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		8359	11412
2.217		25475	18105
2.309		18010	11099
2.328		8169	4613
2.379		1939	2109
2.425		5826	5119
2.502		1259	1342
2.549		1349	824
2.564		2259	1438
2.658		1639	2137
2.719		1104	835
2.751		900	520
2.774		29483	24102
2.827		6706	6911
2.923	TCX	7226676	4837779
3.026		2483	1372
3.076		32963	27097
3.123		94733	84334
3.18		186204	135528
3.253		14496	8008
3.273		40117	25714
3.395		502874	310855
3.411		149550	74955
3.448		38214	23350
3.464		6225	2497
3.481		13356	7395
3.51		431278	343546
3.567		27448	16091
3.584		11914	7042
3.621		85162	51668
3.635		23090	10448
3.679		394745	200189
3.691		463102	243635
3.727		546276	418133
3.785		559879	450439
3.826		81569	57981
3.852		971043	719358
3.88		667112	533846
3.902		194270	109451
3.977		1155522	871026
4		320603	207999
4.032		401133	289492
4.067		1004437	938930
4.107		326973	264547
4.152		35307	27208
4.192		94004	84108
4.225		1000110	665927
4.246		1226616	790763
4.269		1321562	954947
4.336		113798	109548
4.375		1190273	989844
4.397		321817	173611
4.413		132081	75046
4.454		18080	12508

RT A	Compound A	Height A	Area A
4.477		67396	49640
4.519		327243	297902
4.571		499375	429364
4.603		277622	205483
4.633		858936	739322
4.678		16424	12069
4.717		323537	282569
4.755		71517	88544
4.806		81053	70440
4.847		525102	498791
4.877		15514	10685
4.928		42141	52201
4.955		45587	32824
4.972		31596	19842
5.004		8753	7647
5.047		542277	526559
5.09		13426	9820
5.117		50534	51789
5.163		131717	121644
5.186		5687	2336
5.203		8631	4776
5.225		19026	14310
5.269		10691	11284
5.312		1687	1059
5.374		30550	25825
5.449		9934	8537
5.489		4784	3486
5.528		35475	35147
5.574		25419	22776
5.598		3997	2637
5.63		27848	21508
5.651		51399	39666
5.745		736	1336
5.835		35240	39182
5.89		14238	24728
5.986		4651	4375
6.022		77886	78719
6.087		76377	63391
6.108		14759	9500
6.266		17469	17943
6.31		1303	991
6.393		1512	1459
6.466		55941	55077
6.613	DCB	4126763	4242890
6.733		2097	1683
6.928		910	2505
7.07		3257	6854
7.361		1248	24387
8.312		623	615
8.679		3418	4538

LANCASTER LABORATORIES

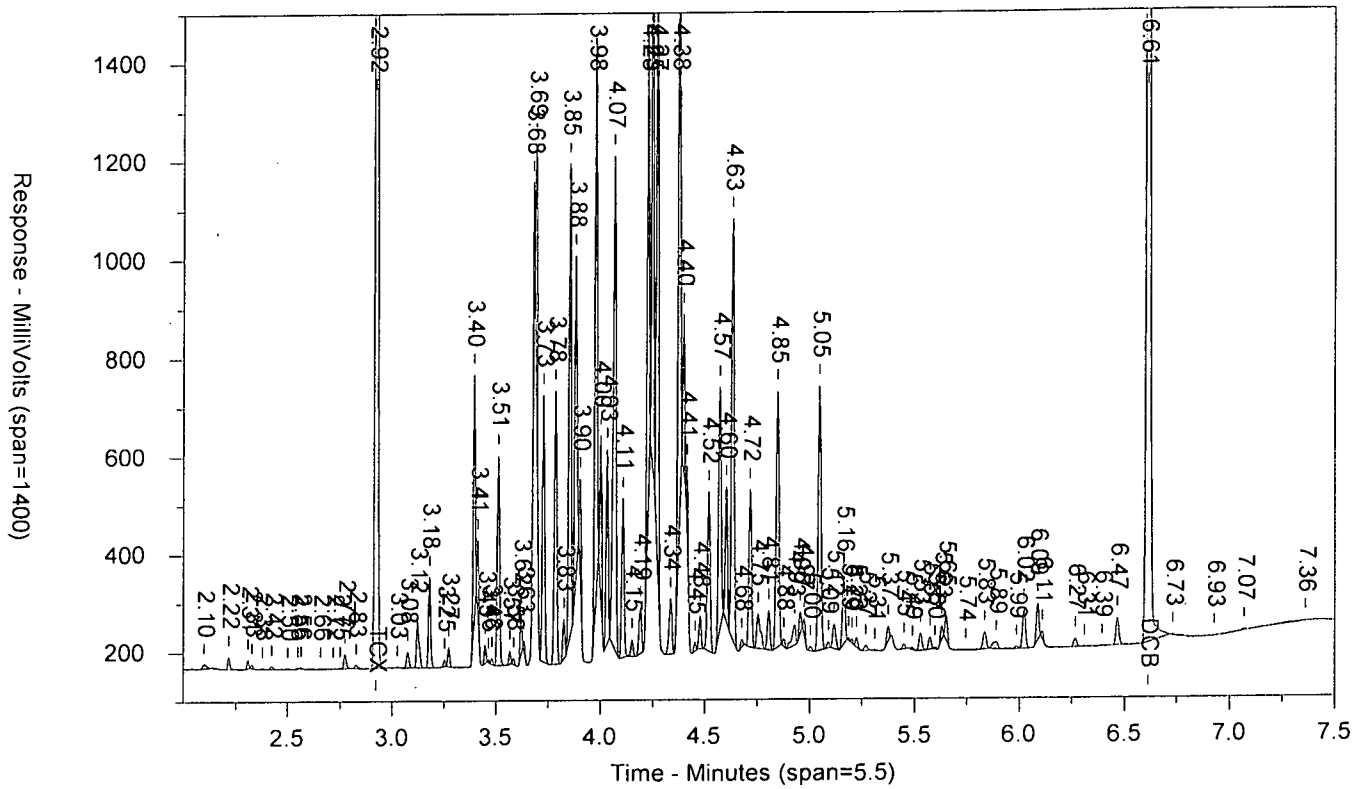
Sample Number: AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:12:00 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.015.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		10147	8761
2.054		62382	41138
2.121		3018	1528
2.155		6616	6112
2.24		18624	29435
2.3		14902	9329
2.344		1835	1313
2.413		9168	9202
2.477		8693	13344
2.546		79682	47111
2.574		4489	3194
2.59		4992	2276
2.616	TCX	43947670	25366120
2.658		66747	37768
2.786		206161	143015
2.832		469933	241676
2.846		113410	45878
2.899		1009828	635651
2.949		109336	62353
3.009		231863	140711
3.105		3404198	2919764
3.156		231691	131585
3.178		89159	51544
3.203		101069	53368
3.227		2803889	1838013
3.264		113912	66969
3.291		185864	93769
3.309		634255	326330
3.324		302451	150305
3.351		6502	3238
3.374		3285784	1441643
3.384		3600312	1395639
3.404		569247	236335
3.418		2448493	1440444
3.492		4433489	2762948
3.527		7487300	4448681
3.55		6681319	3757791
3.568		2269669	1133104
3.653		9506378	5868204
3.676		2429337	1291614
3.697		2947622	1677754
3.726		1353091	671378
3.743		7023268	3946533
3.784		2351769	1703449
3.831		499056	411598
3.853		5382607	3249192
3.876		13107570	8193184
3.901		9545825	5689826
3.92		702686	330629
3.938		548569	306165
3.974		3629686	2499866
4.009		6419640	4809036
4.037		3780750	2057560
4.084		476624	375873

RT B	Compound B	Height B	Area B
4.119		2067483	1583569
4.151		18383	9410
4.176		3677732	2693049
4.209		1965832	1344551
4.236		5812918	4035195
4.274		119025	112311
4.33		2225487	2102556
4.365		537375	394559
4.397		3688487	2636272
4.421		98065	50404
4.44		80931	45440
4.464		427943	279985
4.49		272905	191291
4.52		5337	3759
4.564		562937	572681
4.616		3675986	2807203
4.667		261697	297484
4.696		886130	740101
4.727		65327	31632
4.742		56960	28377
4.766		67828	50563
4.839		23382	37936
4.865		18834	11033
4.883		30383	19170
4.917		152657	110370
4.941		290217	219406
4.99		85991	89209
5.027		33252	23635
5.062		205126	164195
5.088		117857	76386
5.111		275597	234111
5.185		455315	402546
5.302		7110	4302
5.327		130804	105857
5.373		228023	239195
5.444		33850	27755
5.527		538385	473152
5.595		593445	524271
5.644		218392	188749
5.751		110570	96007
5.783		6144	6622
5.833		2897	5700
5.901		6347	5092
5.95		355237	309750
5.981		7426	4842
6.003		5402	3151
6.07		3540	2261
6.109	DCB	29528940	24670880
6.286		4806	5826
6.561		21874	19757
7.559		864	15664
7.838		2126	3426
8.216		14928	22823

AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.015.RAW



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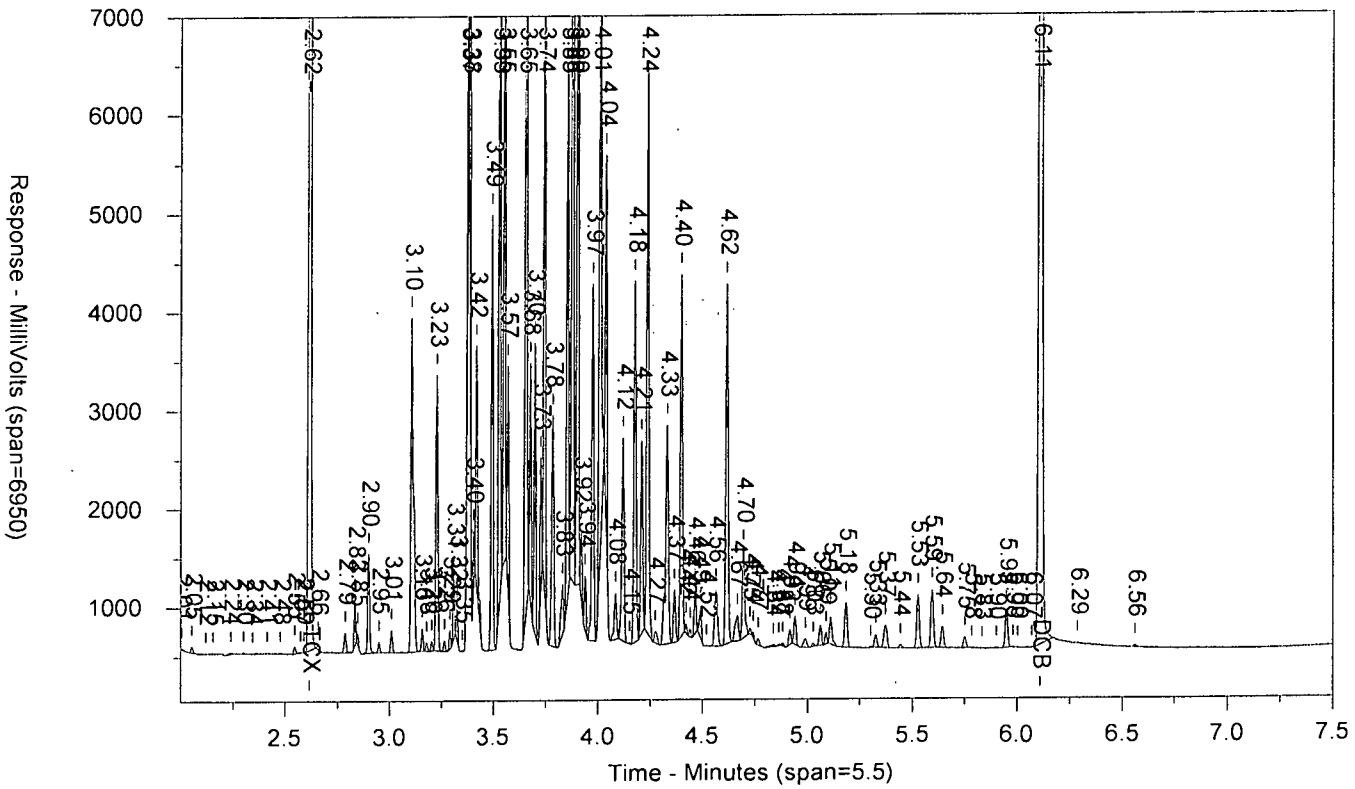

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:12:00 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	7226676	63.592	TCX	2.616	43947670	63.572	TCX
6.613	4126763	59.968	DCB	6.109	29528940	60.612	DCB

Files:
Area File: 20pcbs17137001.015.RAW
Area File: 20pcbs17137001B.015.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:20:44 PM
File Reported On: 5/17/2017 at 7:20:54 PM

AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082

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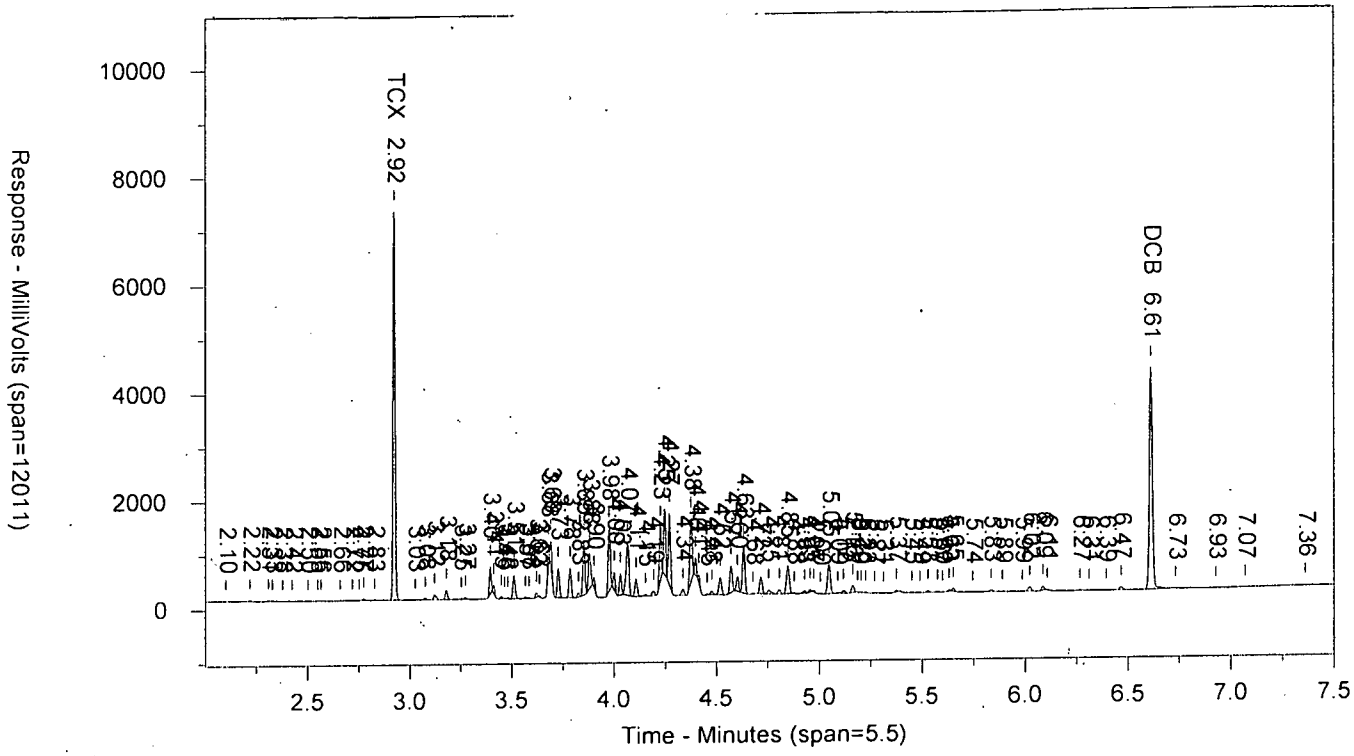

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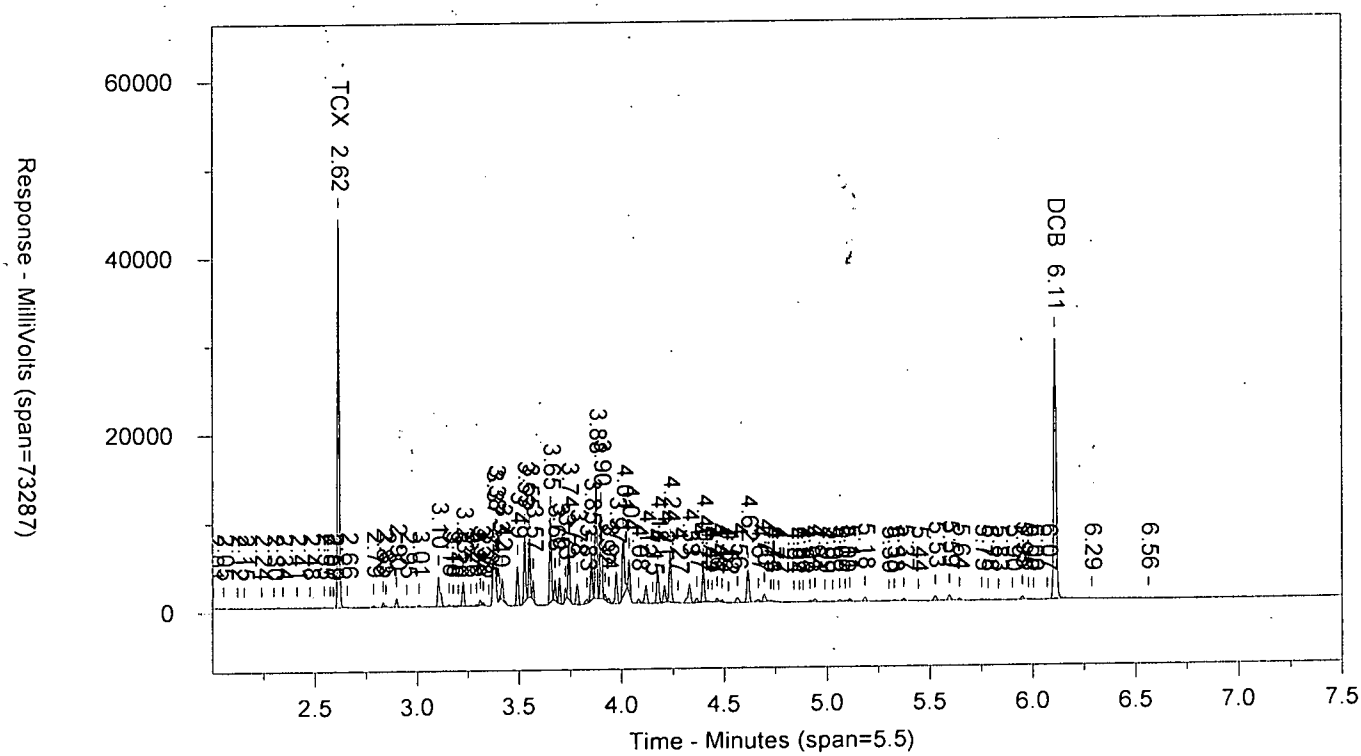

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:23:20 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.016.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.102		4593	7084
2.217		33498	23447
2.309		13290	7935
2.328		11078	6668
2.382		1720	2296
2.423		3902	3284
2.47		689	424
2.503		2044	2473
2.547		1437	711
2.564		4738	3266
2.658		1369	1191
2.718		1337	708
2.751		960	645
2.773		22149	18445
2.828		3893	4280
2.923	TCX	9509188	6382889
3.024		2770	2214
3.076		77229	66225
3.122		127603	124575
3.18		351491	252262
3.252		18493	10271
3.273		78522	51955
3.312		1711	1131
3.394		929224	583136
3.411		282470	138992
3.447		74790	44027
3.463		15591	6989
3.48		25401	13759
3.51		871828	649774
3.544		2467	1178
3.565		33886	19324
3.583		41013	24433
3.62		159962	94210
3.633		41144	19296
3.678		751000	401965
3.689		862709	421682
3.725		1075715	827649
3.783		1100756	878164
3.824		155069	110291
3.852		1921107	1394040
3.878		1379196	1041861
3.9		365044	200549
3.975		2385746	1699783
3.999		625973	398179
4.03		781565	561750
4.065		1968562	1862230
4.106		665468	507653
4.135		3097	1291
4.151		63632	46599
4.191		171392	156793
4.223		1978232	1350399
4.244		2387278	1576526
4.267		2654071	1900057
4.334		214486	206041

RT A	Compound A	Height A	Area A
4.373		2372393	1993604
4.396		692000	375125
4.411		221591	121082
4.451		34959	24086
4.475		121796	92712
4.517		622823	570173
4.569		1007498	857474
4.601		547641	404895
4.631		1726522	1469141
4.676		36870	37768
4.715		610892	548990
4.753		131809	165879
4.804		146587	134350
4.845		1061090	993486
4.874		23061	14672
4.902		7379	5694
4.925		74530	65697
4.953		78830	58000
4.97		54122	34640
5.003		16350	13508
5.045		1143176	1067163
5.088		24996	19395
5.115		69256	74854
5.161		250614	233392
5.184		11187	5031
5.2		15638	8450
5.223		36777	29163
5.266		20628	20357
5.308		2678	1954
5.371		64932	53241
5.388		13140	10404
5.446		19896	16991
5.467		1342	580
5.486		8014	6264
5.526		44167	44141
5.572		51269	44617
5.598		7411	4788
5.628		65285	48211
5.649		54034	39562
5.831		64694	70528
5.888		28123	46112
5.984		8079	7806
6.02		96222	95477
6.085		87004	76607
6.106		25508	16630
6.264		32922	33707
6.31		1858	2940
6.391		1767	2222
6.433		931	672
6.464		76919	78675
6.565		1023	913
6.608	DCB	5542819	5734791
6.892		837	813
7.063		3964	4116
7.45		2661	70223
8.545		882	716
8.68		4314	5262

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:23:20 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.016.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		1311	3102
2.054		81306	54354
2.157		6416	8440
2.185		3345	1655
2.203		11741	5347
2.241		16024	26868
2.301		29987	20834
2.365		3965	3162
2.411		12611	15149
2.478		9131	15814
2.53		8117	7715
2.547		66971	39360
2.573		8156	5086
2.591		5309	2342
2.616	TCX	56786070	33260090
2.659		134709	81776
2.787		478379	320739
2.833		584222	295727
2.847		236485	104914
2.899		1929623	1191020
2.949		139901	81298
3.01		426828	264267
3.105		6219541	5525114
3.156		449963	273490
3.178		214219	118189
3.202		187144	101921
3.226		5337686	3519511
3.264		306450	181367
3.291		225438	113958
3.309		1194423	634850
3.325		537473	249788
3.35		11796	5943
3.375		5587559	2664617
3.384		6804682	2608231
3.404		1036404	430936
3.417		5292533	3114385
3.492		8499526	5360734
3.527		14516990	8554099
3.55		13513160	7328765
3.568		4388659	2207160
3.653		18309420	11357940
3.675		5157966	2675008
3.696		5810601	3281080
3.725		2892498	1378988
3.742		13637050	7780507
3.783		4687711	3293150
3.831		953153	786418
3.853		10572020	6381212
3.875		25993180	16095300
3.9		18305070	11324790
3.919		1357384	630083
3.938		1134218	620167
3.973		6955386	4845141
4.008		12737840	9557564

RT B	Compound B	Height B	Area B
4.036		7791305	4201364
4.083		883634	670492
4.118		4169681	3070345
4.149		25797	13261
4.175		7284101	5400915
4.207		4095503	2762758
4.235		10969450	8064227
4.273		221433	211951
4.329		4344186	4118143
4.364		1077920	776805
4.396		7390967	5298636
4.42		199172	106121
4.438		86119	44711
4.463		820634	541948
4.489		565657	381321
4.563		1095988	1084044
4.615		7421871	5722627
4.664		344671	445142
4.694		1631230	1458476
4.726		125234	60063
4.741		109560	52383
4.764		133506	93699
4.824		5514	6154
4.837		19943	13282
4.864		35933	20873
4.881		60200	36238
4.915		290617	205189
4.939		547162	423613
4.989		160815	158904
5.025		62888	47280
5.06		275729	220265
5.086		220401	149677
5.109		518313	444895
5.183		578000	500356
5.301		11249	6755
5.325		250027	198374
5.371		449097	470208
5.443		60303	50355
5.525		646277	589500
5.594		732436	649246
5.643		311215	265988
5.749		222061	188358
5.781		10196	7215
5.901		8522	6219
5.949		515876	430881
5.979		10162	6933
6.001		6081	4085
6.044		1978	1919
6.072		3138	2728
6.108	DCB	38578290	33566540
6.201		8400	9032
6.235		9444	5132
6.557		29230	28882
6.726		2890	2478
6.861		2837	4876
7.247		1722	2040
7.357		1821	1610
7.441		1250	3191
7.555		1936	4045
7.628		1505	4812
8.213		15696	27337
8.321		1847	2164

AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082

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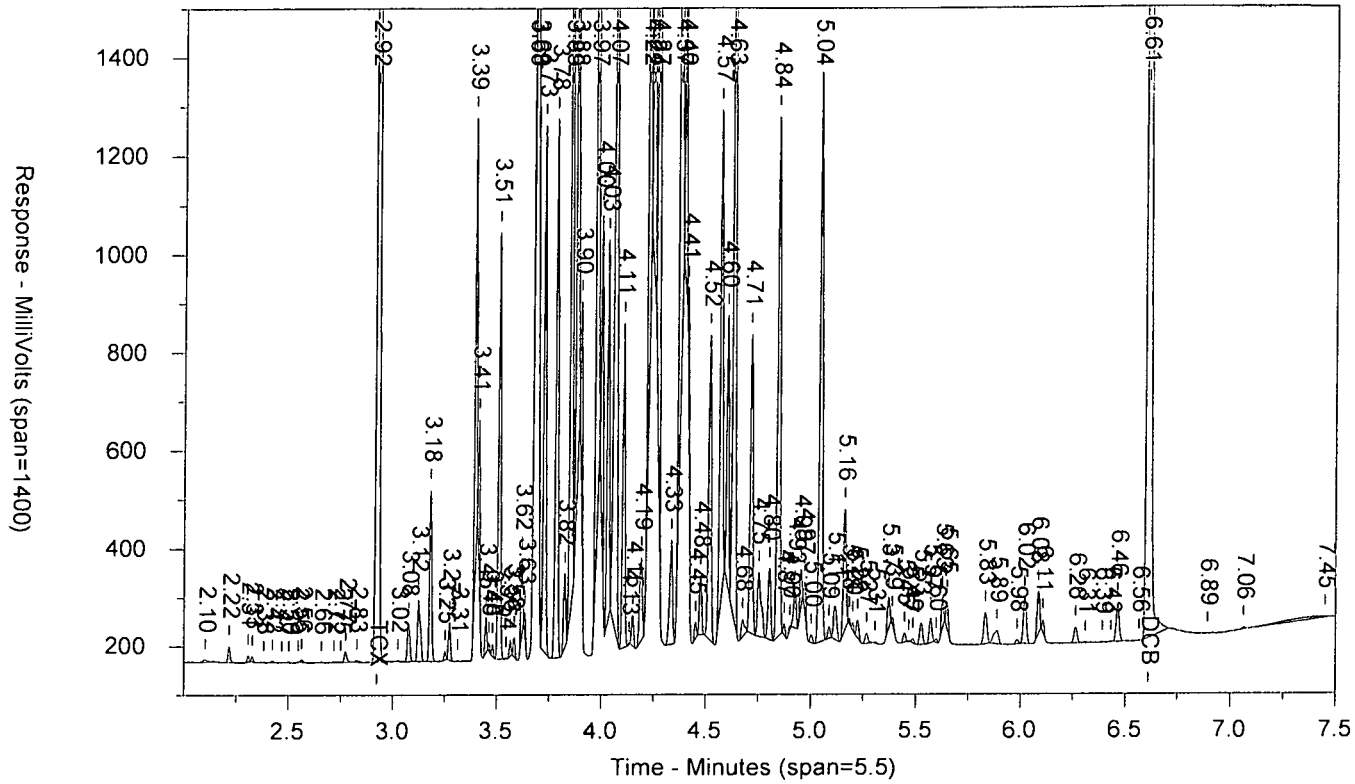

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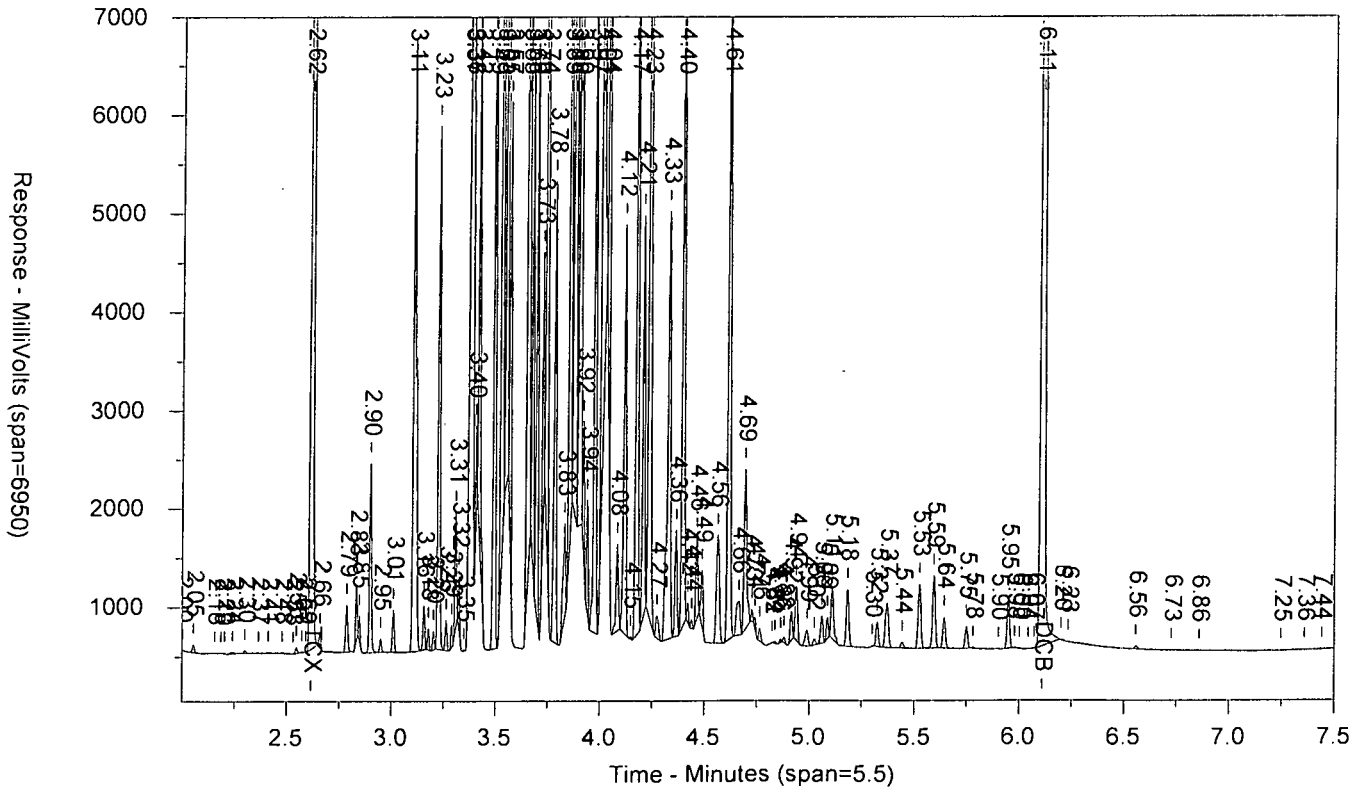

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:23:20 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	9509188	83.678	TCX	2.616	56786070	82.143	TCX
6.608	5542819	80.545	DCB	6.108	38578290	79.187	DCB

Files:
Area File: 20pcbs17137001.016.RAW
Area File: 20pcbs17137001B.016.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:32:05 PM
File Reported On: 5/17/2017 at 7:32:10 PM

AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082

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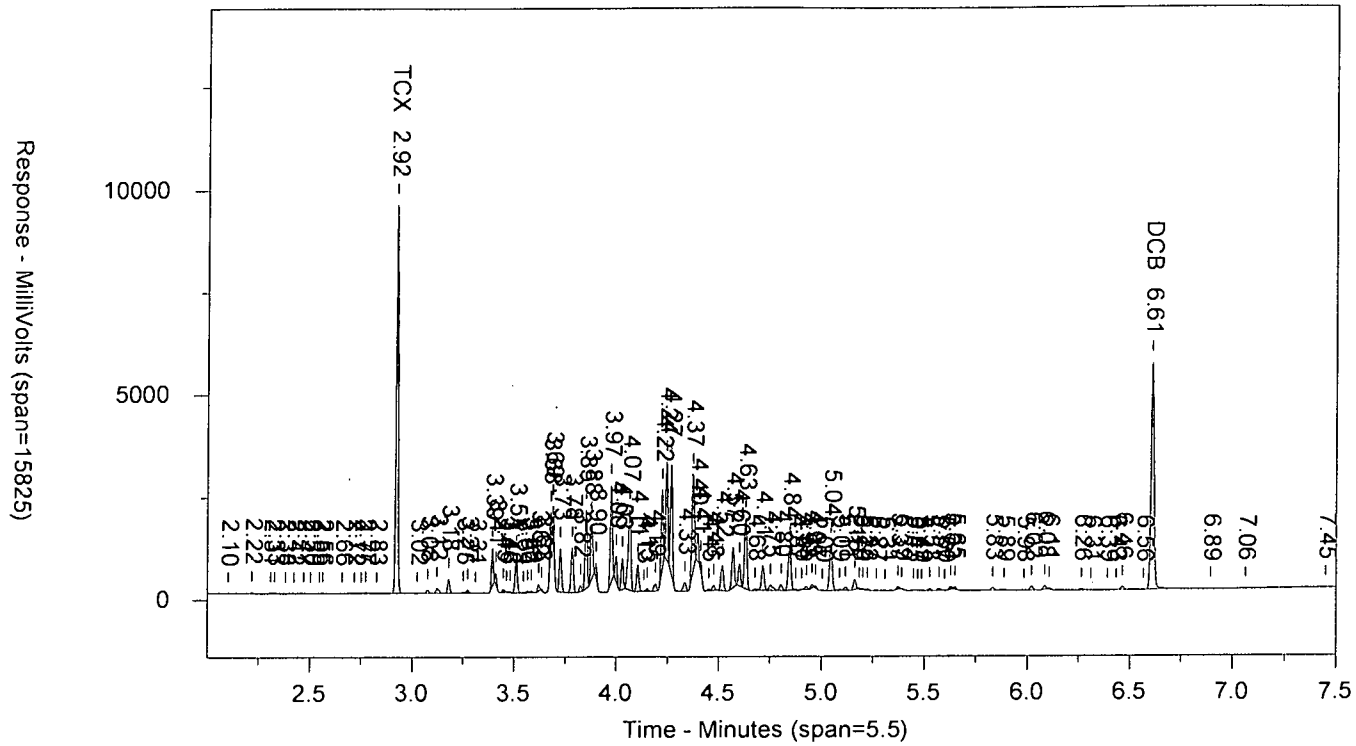

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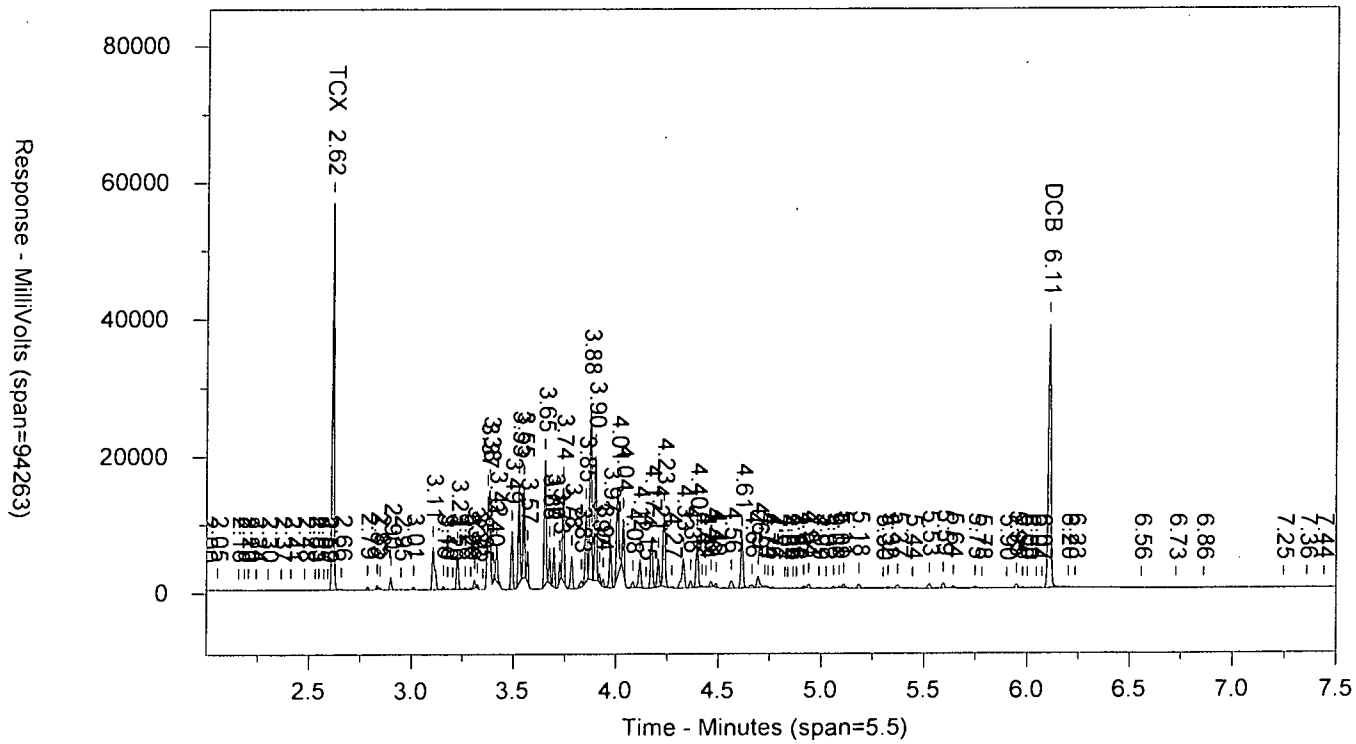


LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:34:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.017.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		10886	23496
2.217		1839	2275
2.309		15168	10983
2.378		1706	1758
2.424		5314	4549
2.55		1373	1154
2.658		1286	986
2.757		533	1360
2.774		38937	33321
2.828		6648	5962
2.923	TCX	469646	311766
3.075		1227	1010
3.122		6204	4143
3.19		6507	6987
3.252		1330	786
3.396		3824	2297
3.491		685	375
3.511		2219	1218
3.529		2577	2108
3.566		1487	778
3.586		2420	1578
3.621		829	406
3.665		9075	5995
3.694		2052	1405
3.729		6452	4785
3.784		3169	2312
3.853		101973	76695
3.881		25430	21830
3.978		62328	45913
4.002		3200	1986
4.032		4867	3520
4.067		26423	22595
4.108		4264	3627
4.17		1155	842
4.189		4391	3208
4.226		158940	114965
4.247		67405	41144
4.271		45220	31764
4.296		5647	3978
4.338		46194	38299
4.381		235994	242178
4.414		91259	72443
4.454		3466	2330
4.478		15303	11960
4.52		87831	80696
4.573		157523	139594
4.604		37849	25562
4.634		302959	270518
4.679		14088	9913
4.718		44709	36534
4.755		99229	102980
4.808		21721	18169
4.848		203718	201976
4.903		21450	17065

RT A	Compound A	Height A	Area A
4.927		4028	2450
4.956		74122	58271
4.972		32787	21605
5.004		2726	2090
5.048		156682	156863
5.091		19233	14905
5.117		21115	28238
5.164		206064	191571
5.186		10316	5267
5.204		9686	5438
5.225		3747	2576
5.269		7318	6340
5.375		76146	96587
5.45		9704	10865
5.489		7278	6542
5.529		5907	5735
5.573		42882	37705
5.6		5828	3812
5.631		32547	35703
5.746		914	1181
5.838		29206	27574
5.869		4532	4436
6.021		6550	7319
6.085		6890	6038
6.265		1737	1949
6.33		1659	1647
6.466		3719	3560
6.611	DCB	300948	331957
7.492		2450	90638
7.686		1023	6247
8.681		1486	1193

LANCASTER LABORATORIES

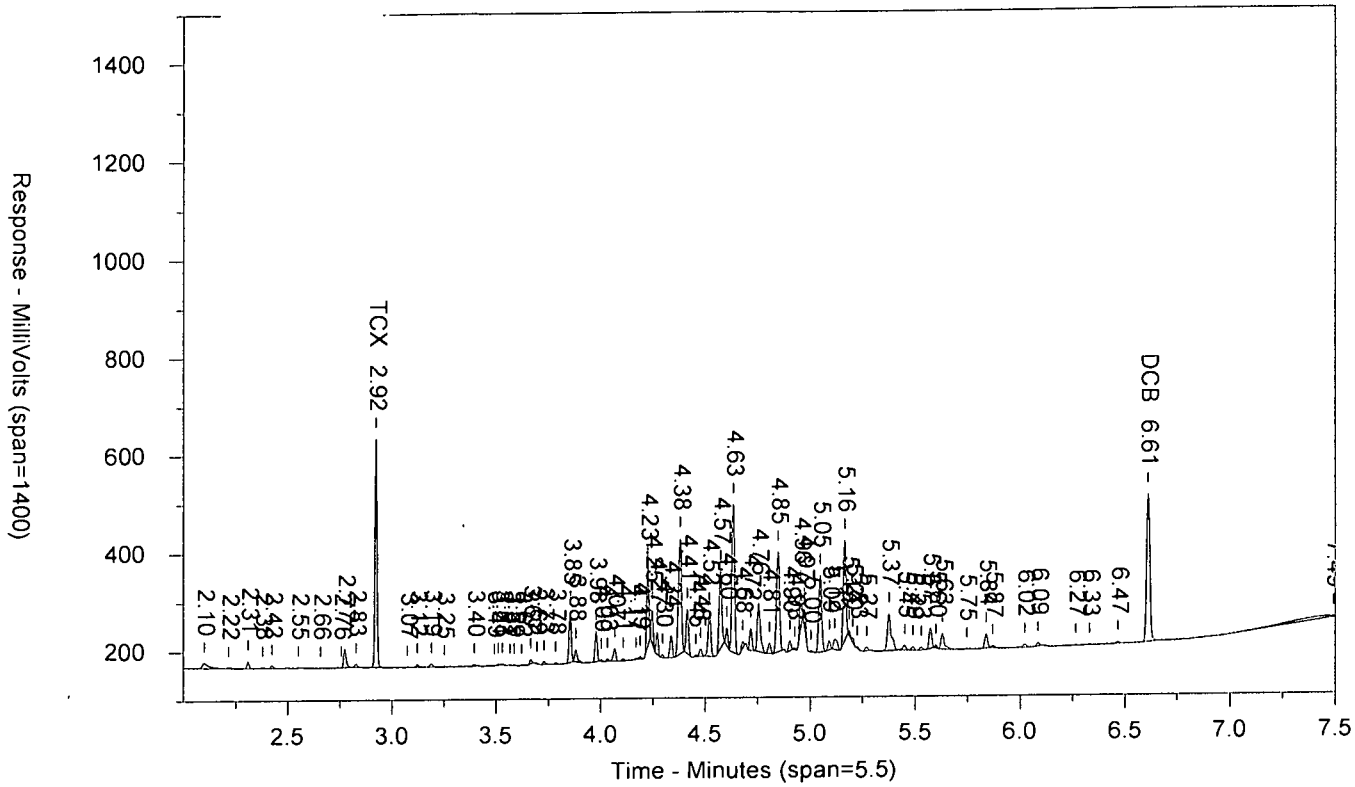
Sample Number: AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:34:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.017.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		11051	9701
2.158		7959	33791
2.24		16537	27262
2.342		2543	1523
2.369		2479	2479
2.394		1856	883
2.413		7554	8111
2.478		8297	14176
2.529		10974	8574
2.547		103940	67223
2.594		3015	1693
2.616	TCX	2782724	1654542
2.704		4200	7324
2.78		3251	1510
2.802		2939	1605
2.833		44607	42260
2.899		21245	36351
2.949		7694	4163
2.987		2181	1254
3.106		32606	57955
3.181		19295	27992
3.227		25795	15980
3.266		18605	12510
3.291		12798	6249
3.325		114422	72379
3.374		42308	42351
3.406		15568	7782
3.45		4855	2741
3.493		30588	22044
3.527		724921	437997
3.55		232682	134880
3.568		19756	8884
3.654		474916	287024
3.676		29890	15756
3.699		52306	36872
3.727		28359	13658
3.743		171074	97982
3.784		41858	31062
3.824		35334	30846
3.854		153788	90457
3.876		1675701	1080969
3.901		183766	104519
3.921		172927	93830
3.939		262163	154084
3.975		1463146	995474
4.006		600005	359533
4.024		351061	189444
4.085		114619	122824
4.119		553443	418734
4.176		1088486	797125
4.209		297917	215536
4.237		1979718	1452344
4.275		151100	145553
4.329		951254	812833

RT B	Compound B	Height B	Area B
4.365		147888	110793
4.398		1311884	939813
4.422		210695	136165
4.465		810169	608019
4.489		37857	21509
4.52		4432	3895
4.564		679529	710309
4.617		881164	713966
4.657		231784	199797
4.696		1442526	1380726
4.743		104444	66355
4.767		47607	34847
4.826		20322	28949
4.882		72139	62657
4.917		72457	48849
4.941		418958	346889
4.991		56911	48135
5.027		47816	37263
5.06		33071	29289
5.089		214360	157330
5.111		161947	142157
5.154		5108	2463
5.185		38202	35925
5.328		6821	4710
5.369		179296	178462
5.527		44754	37792
5.573		8648	6620
5.595		44501	34303
5.644		22235	22750
5.75		8667	7817
5.843		1981	2556
5.949		24816	21237
6.109	DCB	2060654	1950215
6.558		2676	8697
6.709		1667	3110
6.812		2605	7334
7.322		1629	3758
7.444		1624	4424
7.559		2243	6175
8.169		1973	781
8.214		16748	32679
8.425		1358	2261
8.598		1572	1487

AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.017.RAW



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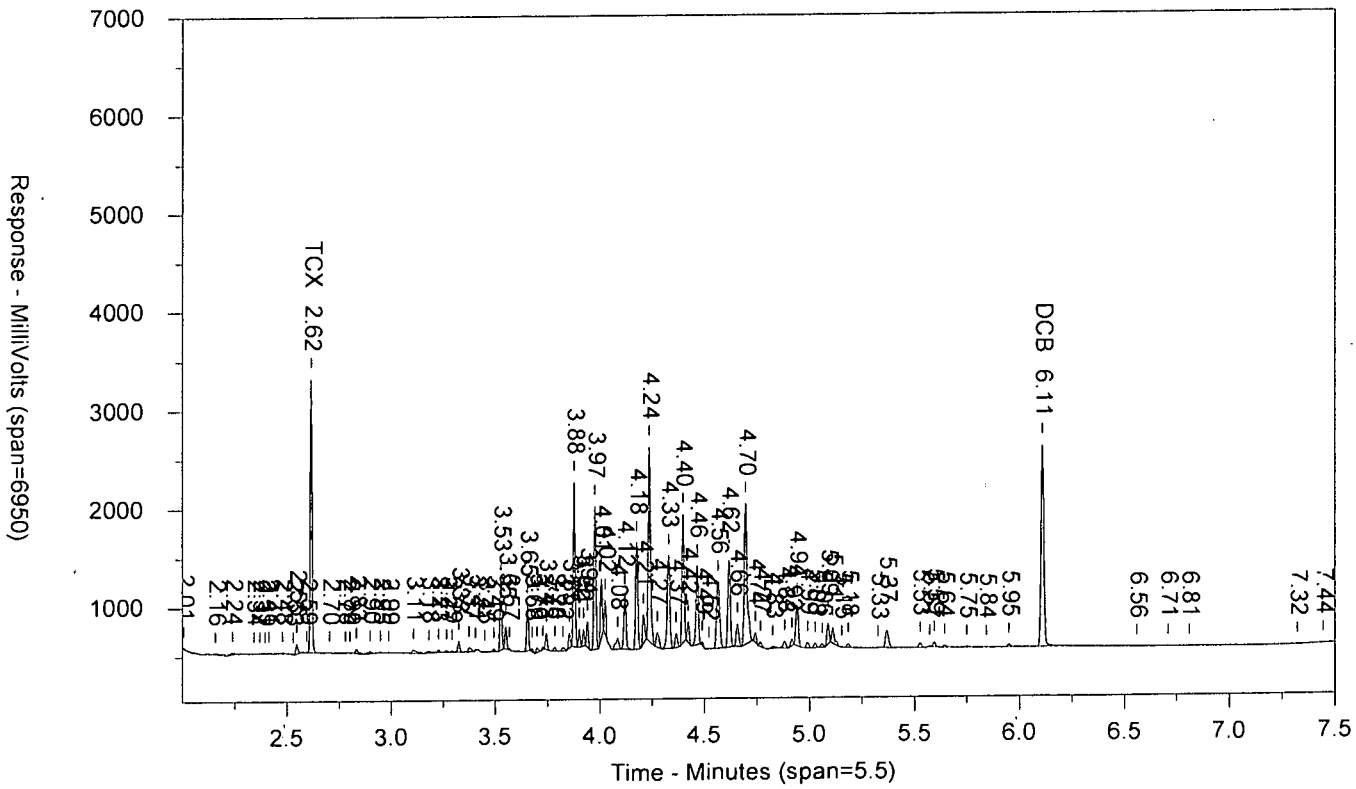

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:34:47 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	469646	4.133	TCX	2.616	2782724	4.025	TCX
6.611	300948	4.373	DCB	6.109	2060654	4.23	DCB

Files:
Area File: 20pcbs17137001.017.RAW
Area File: 20pcbs17137001B.017.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:43:31 PM
File Reported On: 5/17/2017 at 7:43:40 PM

AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082

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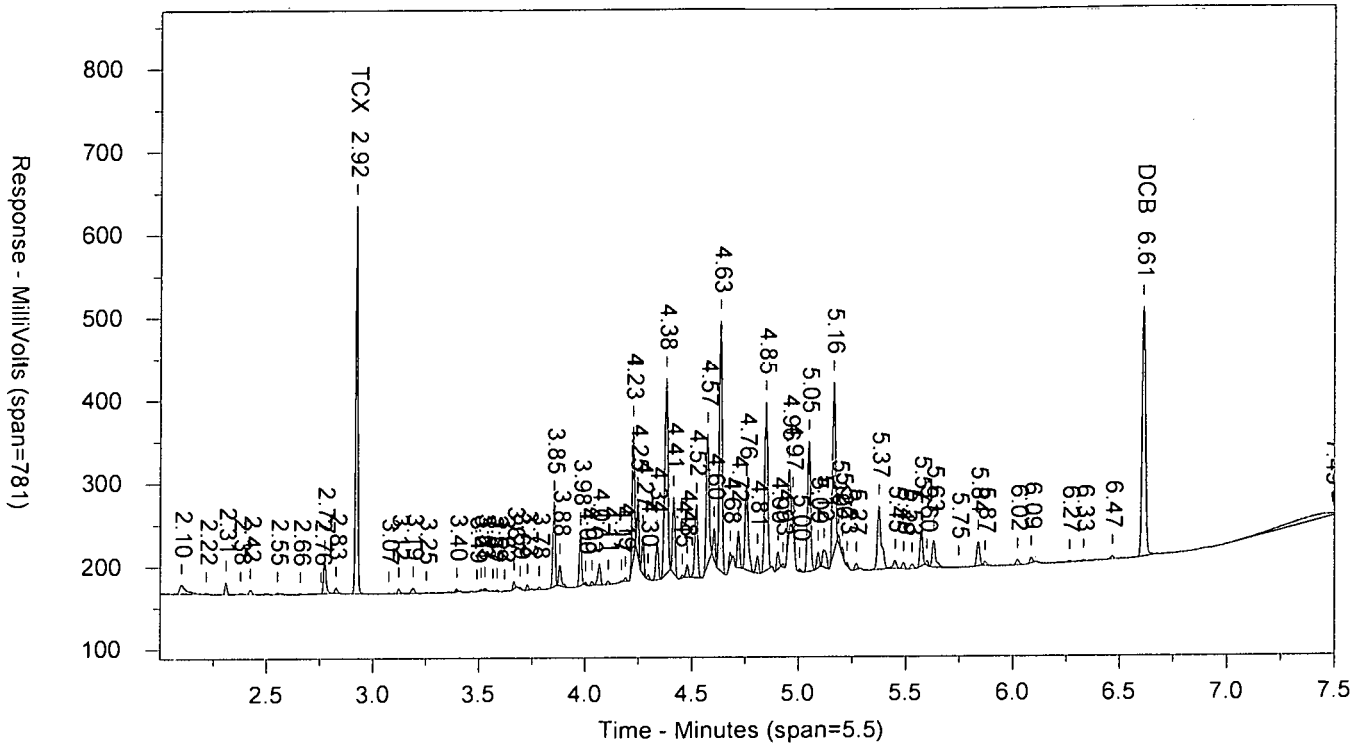

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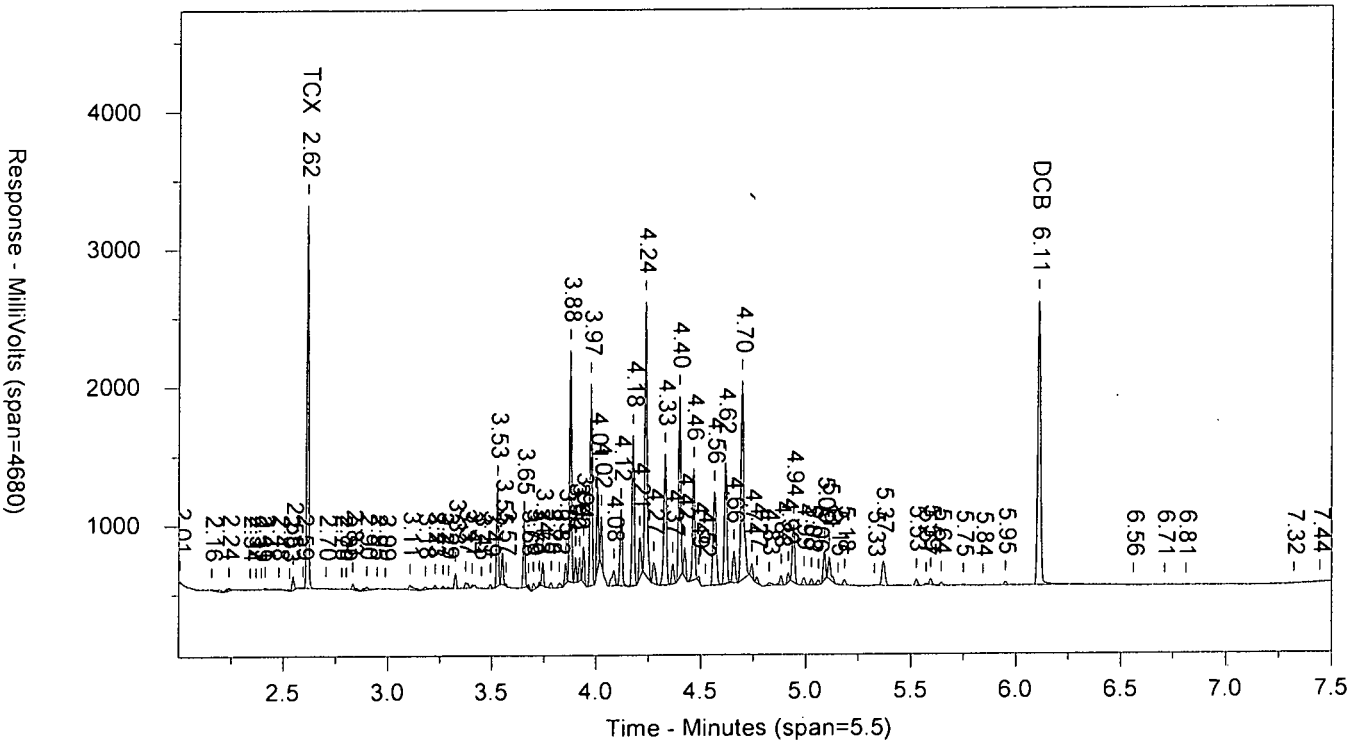

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:46:17 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.018.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.102		11112	25765
2.218		3350	2993
2.309		9561	6232
2.377		1860	2464
2.426		2689	2812
2.548		1212	827
2.659		1355	945
2.752		867	488
2.774		35670	30486
2.828		2713	2173
2.923	TCX	891329	601538
3.075		1405	1364
3.123		12066	8068
3.182		4812	5652
3.253		2308	1641
3.279		666	555
3.396		7291	4389
3.464		2246	1989
3.511		5348	3185
3.568		3020	1752
3.586		4425	2923
3.622		1407	790
3.666		2914	1558
3.68		3500	1436
3.693		3350	2710
3.729		14953	11385
3.786		6559	5038
3.829		786	578
3.854		177239	136127
3.881		48073	36700
3.977		114931	85800
4.002		5780	3448
4.032		10695	7611
4.068		48793	44942
4.109		9757	7113
4.154		1233	686
4.189		9325	7105
4.226		305110	215431
4.247		119948	73361
4.271		88553	62670
4.295		4564	2919
4.337		85331	72241
4.38		437157	449308
4.414		160247	132898
4.455		6213	3897
4.477		27929	22309
4.52		161983	145212
4.571		284736	262849
4.603		65605	46242
4.633		596274	511434
4.679		25515	18123
4.693		12073	6130
4.717		86514	69494
4.755		183692	189658

RT A	Compound A	Height A	Area A
4.806		38620	33410
4.847		393671	377914
4.876		7433	4380
4.902		39480	31786
4.927		7567	4426
4.955		138336	109214
4.973		62105	42065
5.004		5058	3879
5.047		309698	296067
5.091		33655	27831
5.117		38393	52977
5.164		398325	362995
5.187		21954	10024
5.203		12622	7182
5.226		9659	6325
5.27		13485	11790
5.375		134935	179364
5.425		1129	658
5.449		17192	15144
5.489		14747	13057
5.53		7813	7721
5.574		80910	71420
5.599		11267	7482
5.63		58906	65845
5.838		53986	50332
5.87		8686	8478
6.022		11916	12433
6.087		13198	11732
6.108		2524	1797
6.268		3061	3060
6.466		7960	8219
6.569		745	986
6.612	DCB	587785	621306
7.088		215	1623
7.493		952	23244
8.679		3512	4569

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:46:17 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.018.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		12116	12913
2.054		8180	6439
2.158		3395	2519
2.239		14669	23303
2.412		7992	10618
2.477		10994	23670
2.526		12108	10738
2.547		101788	67198
2.593		2675	1017
2.615	TCX	5567068	3241038
2.784		5688	5136
2.833		77579	56987
2.898		29120	28637
2.947		14413	9940
3.105		51051	50570
3.179		20012	15460
3.202		3483	2286
3.227		40512	27225
3.264		38621	23386
3.291		25244	13458
3.309		7429	3151
3.325		50680	28384
3.375		37583	17957
3.384		24496	8510
3.405		21054	9334
3.418		61421	40391
3.493		58067	38231
3.527		1299688	802293
3.55		438729	250624
3.568		42825	18177
3.654		839305	527746
3.677		67649	34791
3.698		95811	63892
3.727		75889	35310
3.743		314516	180572
3.784		82268	60620
3.824		63769	58191
3.854		286946	167274
3.875		3060571	2017712
3.901		343580	191538
3.921		312575	174805
3.939		528732	312912
3.975		2766149	1833023
4.006		1089804	660616
4.024		674857	350396
4.084		217971	191080
4.119		1032545	776043
4.176		2131657	1547957
4.209		612041	428659
4.236		3737878	2753842
4.274		275118	270887
4.329		1769741	1512920
4.365		276176	206902
4.397		2470128	1767883

RT B	Compound B	Height B	Area B
4.422		397437	253696
4.464		1458073	1126610
4.489		76822	43252
4.564		1335614	1311140
4.617		1682300	1372686
4.656		433120	377695
4.696		2736833	2628196
4.743		197995	126960
4.766		89485	60475
4.825		33425	43669
4.883		140261	124559
4.917		137896	93933
4.941		821670	652008
4.991		110239	93565
5.027		92159	70720
5.059		63560	54915
5.089		429225	308304
5.111		305888	266800
5.153		8529	4901
5.185		70793	65284
5.327		14478	11682
5.368		352730	346447
5.474		2331	2087
5.526		81445	70603
5.572		14170	9979
5.594		85439	69178
5.643		39616	35094
5.75		17959	14265
5.949		49274	42792
6.109	DCB	3897569	3649784
6.556		2822	2355
6.817		2197	3204
7.39		1698	1880
7.629		2024	34134
8.217		15004	26375

AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082

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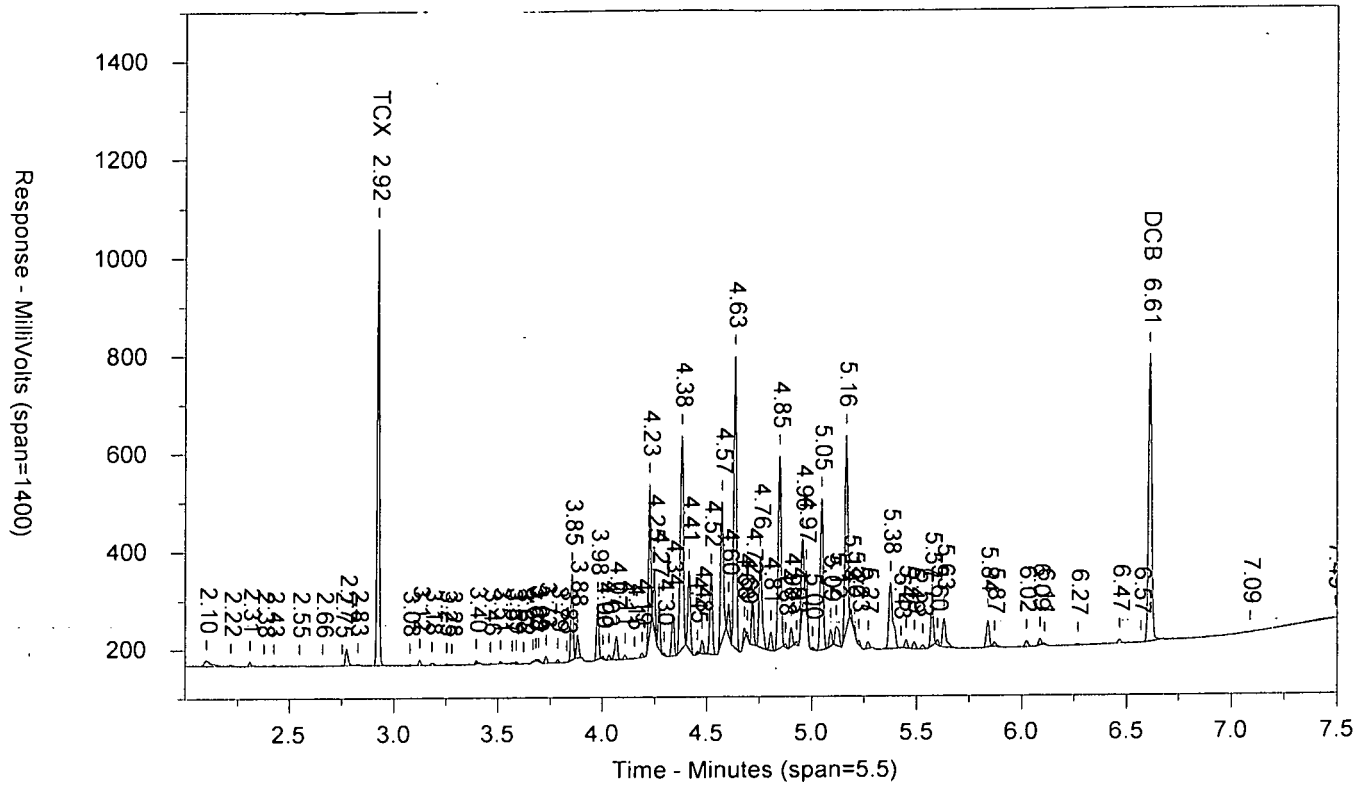

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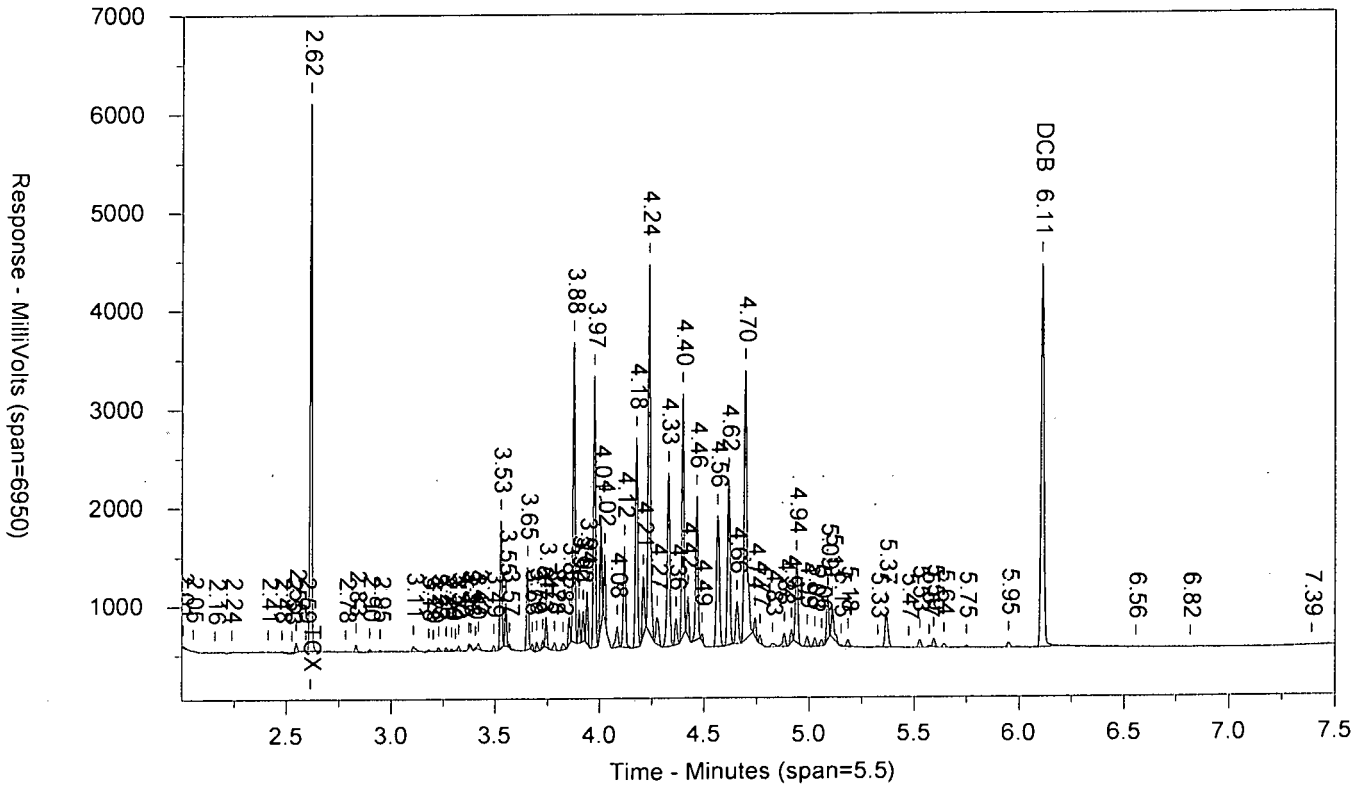

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:46:17 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	891329	7.843	TCX	2.615	5567068	8.053	TCX
6.612	587785	8.541	DCB	6.109	3897569	8	DCB

Files:
Area File: 20pcbs17137001.018.RAW
Area File: 20pcbs17137001B.018.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:55:01 PM
File Reported On: 5/17/2017 at 7:55:11 PM

AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082

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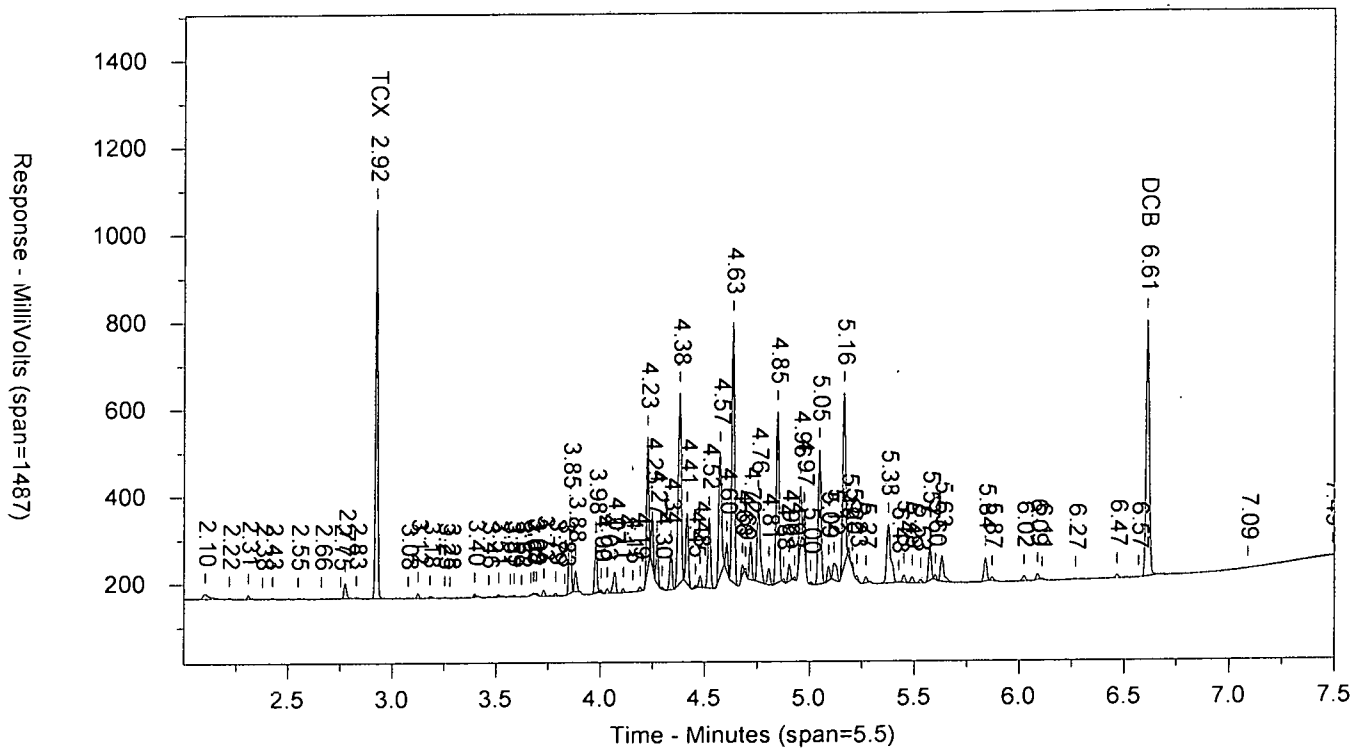

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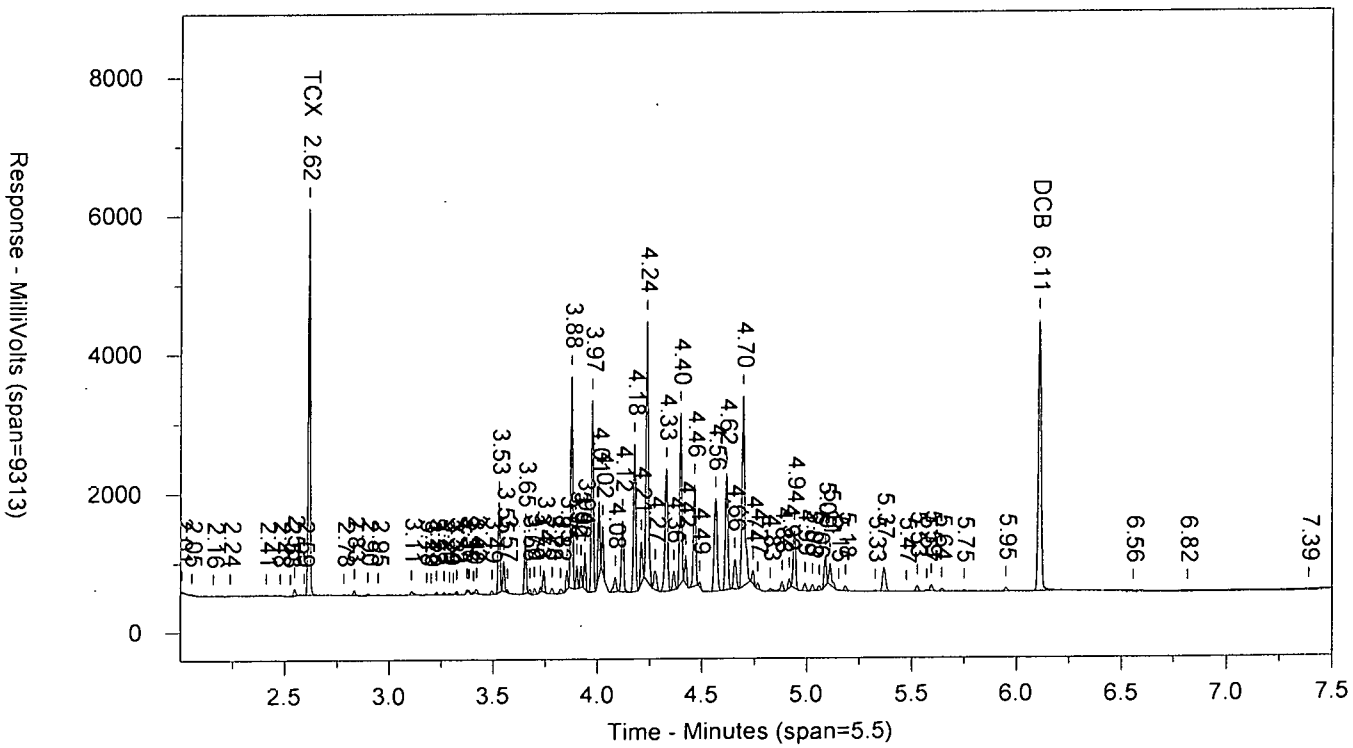

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:57:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.019.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		9388	20820
2.217		8192	6119
2.31		7625	4672
2.328		2519	1391
2.38		1444	1721
2.425		4543	3663
2.553		954	785
2.657		814	736
2.774		33907	28830
2.829		5127	4949
2.923	TCX	2258999	1493522
3.076		3773	3108
3.123		30402	20475
3.182		10558	11271
3.253		4743	2997
3.274		1174	853
3.396		18511	11338
3.412		5152	2727
3.466		5330	4320
3.511		14051	8892
3.567		7172	4185
3.586		12180	7435
3.622		3592	3901
3.665		5377	3097
3.68		9798	4633
3.692		7572	6291
3.728		39894	29891
3.785		15534	11868
3.827		2068	1236
3.853		403825	303006
3.88		107850	102706
3.977		251740	195006
4.001		14867	8614
4.032		29031	19947
4.067		112588	108598
4.108		23024	18201
4.136		1516	800
4.153		3385	1927
4.188		20543	16043
4.226		689965	484735
4.245		257739	157798
4.27		193606	141623
4.336		186165	162483
4.379		1081605	1045801
4.413		368483	296832
4.454		14578	9915
4.477		67310	52455
4.519		368559	330063
4.571		686384	615938
4.602		163372	107682
4.633		1443245	1224492
4.678		66421	45984
4.692		21243	11647
4.717		192259	154675

RT A	Compound A	Height A	Area A
4.754		415415	428331
4.805		86550	77498
4.846		944204	876808
4.874		18399	10707
4.902		87581	73724
4.927		18121	10134
4.955		320144	245945
4.971		143512	92967
5.003		11624	8807
5.047		758464	713914
5.09		79498	62798
5.116		85290	117608
5.163		963852	862568
5.185		40418	18958
5.203		30100	15230
5.225		26715	17388
5.269		31874	27351
5.373		308306	414114
5.423		2213	1063
5.448		37759	35537
5.488		33871	31551
5.528		17126	16936
5.573		176130	165158
5.6		25078	17246
5.629		130868	147206
5.837		119583	114542
5.868		20902	20201
6.021		26852	27439
6.086		29187	24992
6.107		6115	3941
6.265		7501	6945
6.392		841	968
6.465		17103	17663
6.61	DCB	1367514	1472703
7.072		1279	1973
7.56		2174	54731

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:57:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.019.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		11427	9609
2.053		19393	13196
2.155		3889	4965
2.241		19262	46173
2.343		1440	1184
2.412		4838	5719
2.479		6303	8853
2.547		94106	60037
2.616	TCX	13421420	8024805
2.785		21125	16783
2.833		186732	125794
2.899		69097	62995
2.949		34270	20273
2.988		1602	772
3.009		7665	5453
3.105		132505	135826
3.178		45690	30910
3.203		6324	3125
3.227		103610	68693
3.264		103281	61555
3.291		61909	32641
3.31		15782	7273
3.325		106947	60384
3.375		86084	40980
3.384		57539	20739
3.405		43588	21003
3.418		154982	105859
3.493		137473	89986
3.527		2966112	1796834
3.55		993798	572108
3.568		94678	40923
3.585		15235	8493
3.654		1919756	1190084
3.676		139493	72852
3.698		223836	146137
3.727		179267	87678
3.743		679391	393631
3.783		196197	146860
3.823		155022	139443
3.853		672848	381230
3.876		7227687	4681049
3.901		779342	429874
3.92		674814	372617
3.939		1065973	645094
3.974		6229853	4246805
4.006		2436783	1483152
4.023		1396710	761003
4.084		475479	376566
4.119		2398734	1759294
4.175		4960347	3659814
4.208		1314596	951831
4.236		8864505	6479641
4.274		645643	620405
4.328		4172151	3508653

RT B	Compound B	Height B	Area B
4.364		622376	474781
4.397		6007735	4223100
4.421		877964	554629
4.464		3438030	2598735
4.489		162056	91649
4.564		3085415	3038204
4.616		4310358	3361586
4.656		982643	856896
4.695		6390798	6255188
4.742		436378	291990
4.766		203137	139291
4.825		78130	90498
4.882		322055	292180
4.916		328827	218039
4.94		1953657	1521397
4.991		261448	213386
5.026		207625	168724
5.059		156464	131042
5.088		966074	706509
5.11		592918	409019
5.128		78104	41283
5.151		16569	9776
5.183		154421	132022
5.303		2353	1444
5.326		35164	27523
5.368		801310	818176
5.469		3535	3917
5.526		176865	151508
5.571		32941	22904
5.595		173931	143419
5.643		86990	75091
5.75		43449	41959
5.902		2738	2335
5.949		116377	98149
6.108	DCB	9480798	8756876
6.557		8171	7307
7.256		1113	1231
7.391		1647	885
7.434		2173	2437
7.497		1880	3738
7.618		1794	12092
8.215		16618	30952

AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082

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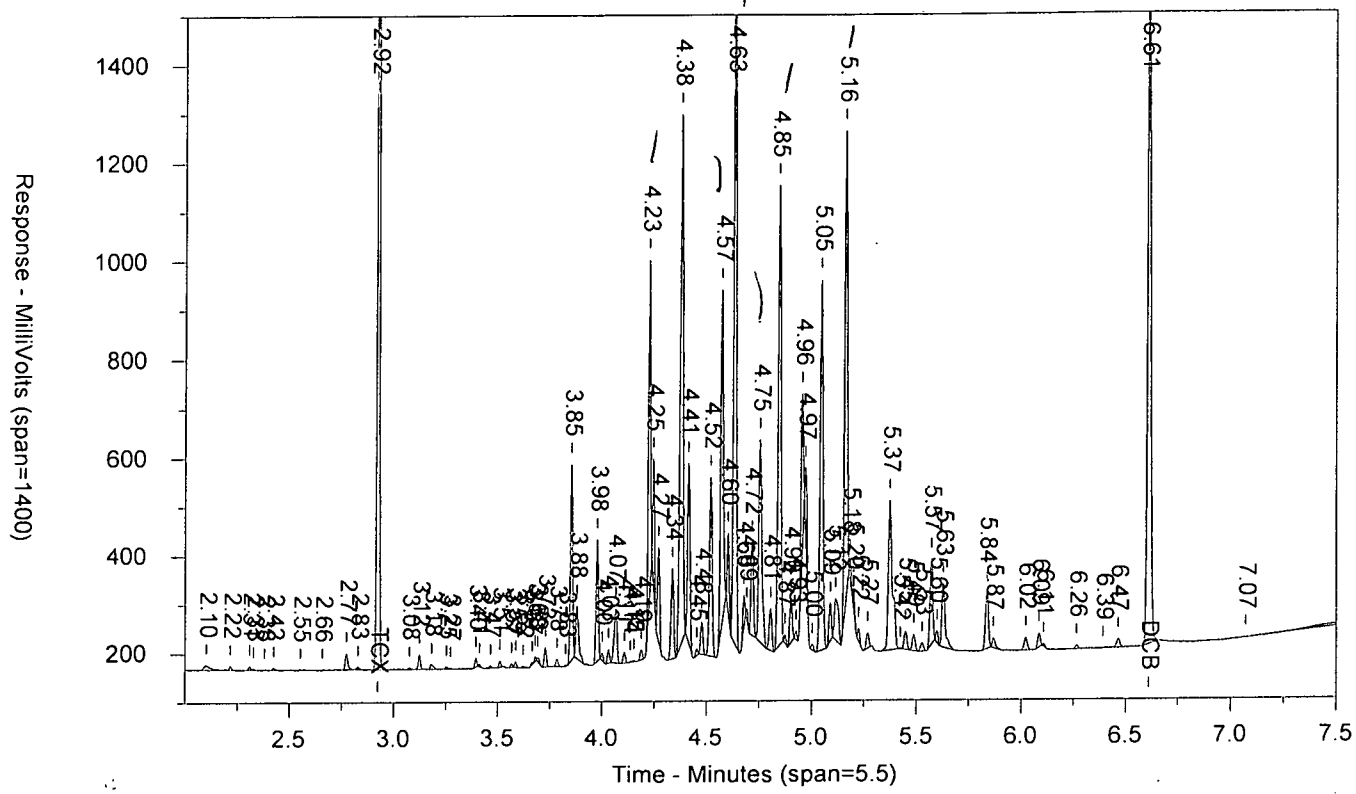

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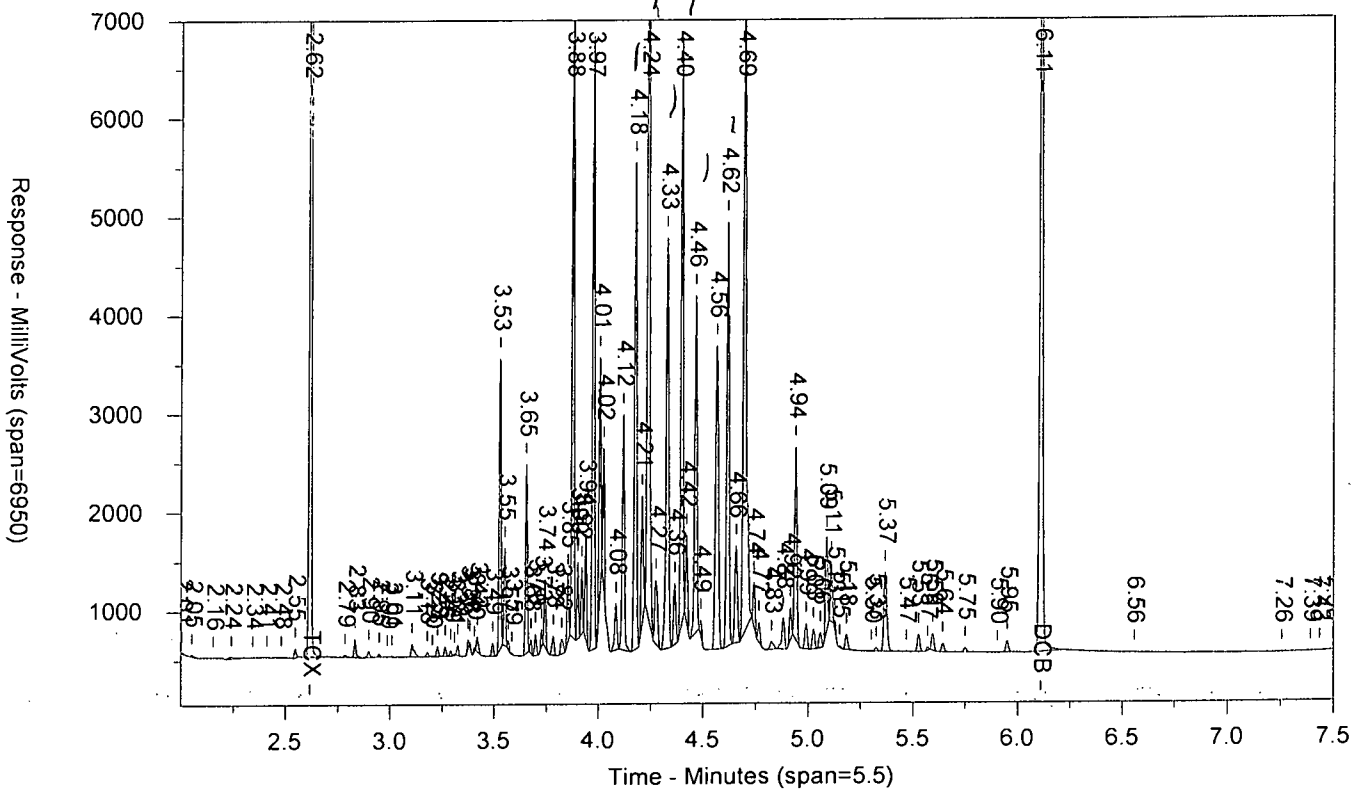

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:57:49 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	2258999	19.878	TCX	2.616	13421420	19.415	TCX
6.61	1367514	19.872	DCB	6.108	9480798	19.461	DCB

Files:
Area File: 20pcbs17137001.019.RAW
Area File: 20pcbs17137001B.019.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:06:32 PM
File Reported On: 5/17/2017 at 8:06:43 PM

AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082

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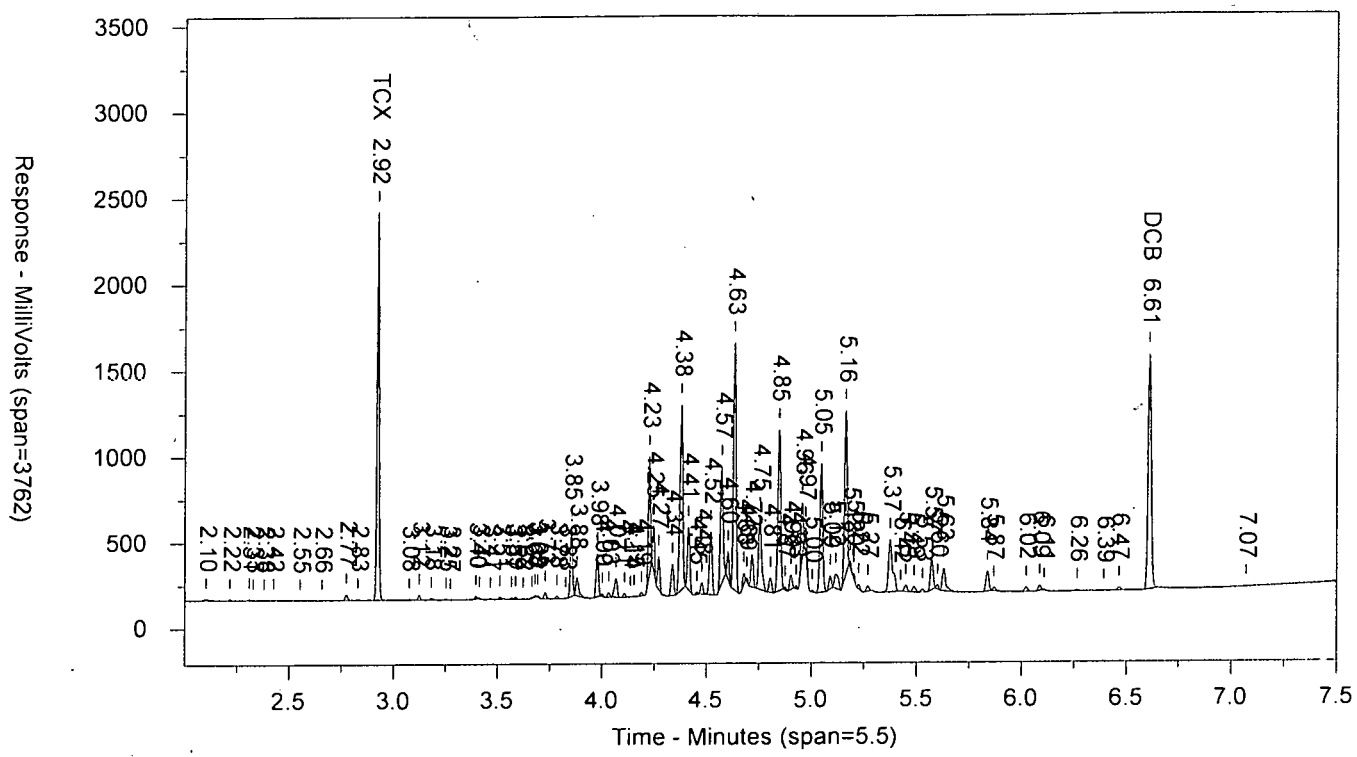

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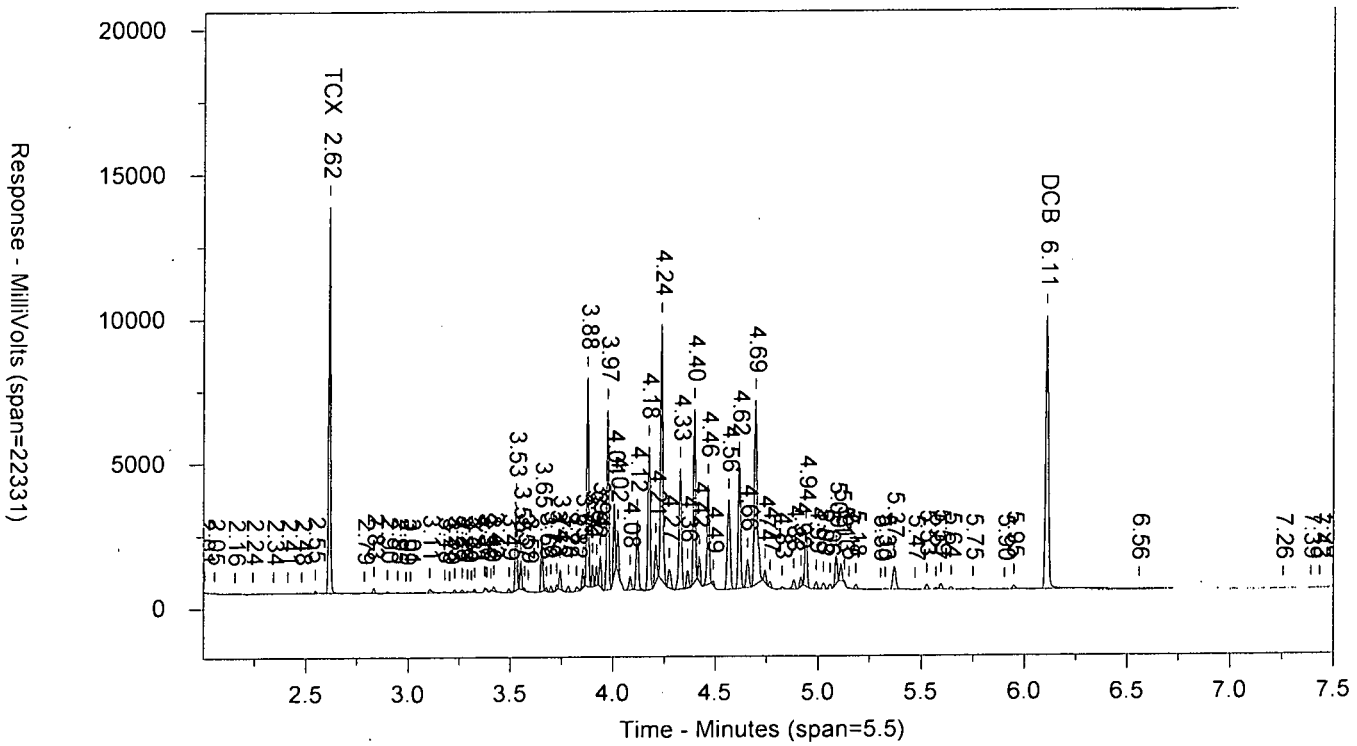

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:09:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.020.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		10893	16261
2.217		15840	11775
2.309		11511	7045
2.328		5012	3087
2.378		1789	2240
2.423		4888	4279
2.502		1194	1303
2.549		2173	3808
2.66		1269	1822
2.752		1047	600
2.774		35976	30861
2.827		5516	5479
2.923	TCX	4622428	3049151
3.025		1325	637
3.075		6334	5719
3.123		62370	42428
3.181		20468	18131
3.253		9854	6243
3.274		2297	1357
3.395		35703	21314
3.412		9815	4951
3.465		9244	8474
3.511		29492	22808
3.566		15376	8875
3.585		20632	12582
3.622		4838	3183
3.679		23634	11955
3.692		15500	12369
3.728		70887	52340
3.785		30824	24948
3.826		4015	2436
3.852		753146	575967
3.879		198787	186266
3.977		505557	376647
4.001		28866	16947
4.031		52800	38079
4.066		209308	203563
4.106		44927	35681
4.135		3439	1897
4.153		6449	3948
4.188		39069	31310
4.225		1397875	986296
4.246		569564	347253
4.271		376252	278619
4.337		361600	315906
4.378		2073246	2088930
4.414		711435	586208
4.453		28228	18666
4.476		123671	98671
4.519		714338	637132
4.571		1454115	1280410
4.603		344634	222613
4.632		2930175	2488037
4.678		108468	78910

RT A	Compound A	Height A	Area A
4.691		39815	22729
4.716		399436	311468
4.754		849024	843684
4.806		163154	148453
4.847		1875048	1751059
4.875		32686	19003
4.902		165383	138162
4.927		32811	19296
4.954		669621	494398
4.97		291032	187266
5.003		22691	17129
5.047		1628295	1483882
5.09		153726	123954
5.117		173931	227162
5.163		2001599	1758912
5.185		88249	43036
5.202		53422	30192
5.225		44145	27903
5.267		61691	52151
5.288		8136	4461
5.373		610917	814479
5.424		4562	2310
5.448		76463	65490
5.487		65425	60634
5.527		34276	32445
5.572		367441	331086
5.598		49650	33711
5.629		261449	289654
5.838		223253	216316
5.868		37268	38354
6.022		52656	55746
6.086		58070	51787
6.108		12812	8410
6.265		13430	13456
6.327		987	868
6.389		1119	968
6.465		36608	36283
6.611	DCB	2754543	2912875
7.067		2607	3133
7.535		1069	13886
7.755		865	2143
8.047		1008	3167
8.683		5068	6634

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:09:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.020.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		17620	17377
2.054		38456	27392
2.155		4019	4695
2.188		9191	14934
2.24		17793	31823
2.299		1977	1315
2.344		1496	1230
2.411		8677	12040
2.478		5551	3978
2.528		12423	10743
2.547		100387	66202
2.575		3152	1620
2.616	TCX	27652480	16267940
2.703		4716	6392
2.787		36548	30574
2.833		356088	230133
2.9		121313	92024
2.949		68635	39434
3.01		15470	11912
3.106		237056	232272
3.158		5166	2089
3.179		67823	44406
3.203		10305	5678
3.228		186176	124481
3.264		164187	96469
3.291		116500	64133
3.31		38852	17929
3.325		65798	35579
3.375		161585	75093
3.385		107011	42685
3.405		101611	43389
3.419		258195	193988
3.493		256194	164512
3.527		5679534	3483755
3.55		1884138	1042507
3.568		182580	79710
3.586		21876	11237
3.654		3898764	2298147
3.676		253902	133868
3.698		390506	263773
3.727		262551	136846
3.743		1321371	780818
3.783		368159	270181
3.824		286717	257782
3.854		1275704	739915
3.876		14644700	9312075
3.901		1548542	851086
3.92		1320641	716244
3.939		2014626	1191342
3.974		13163310	8426518
4.006		4826652	2957029
4.024		2817747	1470969
4.085		919092	684965
4.119		4750180	3462626

RT B	Compound B	Height B	Area B
4.175		10312280	7450167
4.208		2749393	1877903
4.236		18488900	13253560
4.274		1271830	1205357
4.328		8373806	6993500
4.365		1243214	941356
4.397		12655280	8709486
4.421		1713117	1089020
4.464		6931070	5208720
4.489		367058	206310
4.525		3811	3352
4.564		6625378	6093458
4.616		9172670	6996697
4.656		1990523	1700257
4.695		13649340	12767360
4.742		949018	593039
4.765		400240	271787
4.825		159714	185745
4.865		23669	13859
4.882		599034	444047
4.917		610418	413692
4.941		3814174	3079520
4.991		484338	420813
5.026		399824	328461
5.058		306344	259388
5.088		1996266	1446288
5.11		1188487	781885
5.127		155889	78469
5.15		35681	20556
5.184		327861	277829
5.247		6090	5253
5.301		4486	2332
5.326		68338	53436
5.368		1631807	1603161
5.47		6045	6191
5.526		367067	315814
5.57		68840	46475
5.594		378041	314940
5.643		179295	155558
5.75		84635	70893
5.783		5055	5823
5.903		3988	2791
5.949		230784	197382
5.982		5006	3121
6.067		2417	1919
6.108	DCB	20216660	17008200
6.285		5535	8037
6.556		12835	12265
7.327		1831	3407
7.563		1405	4021
7.613		2595	4529
7.701		1029	3163
8.216		15737	28067
8.442		1225	724

AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082

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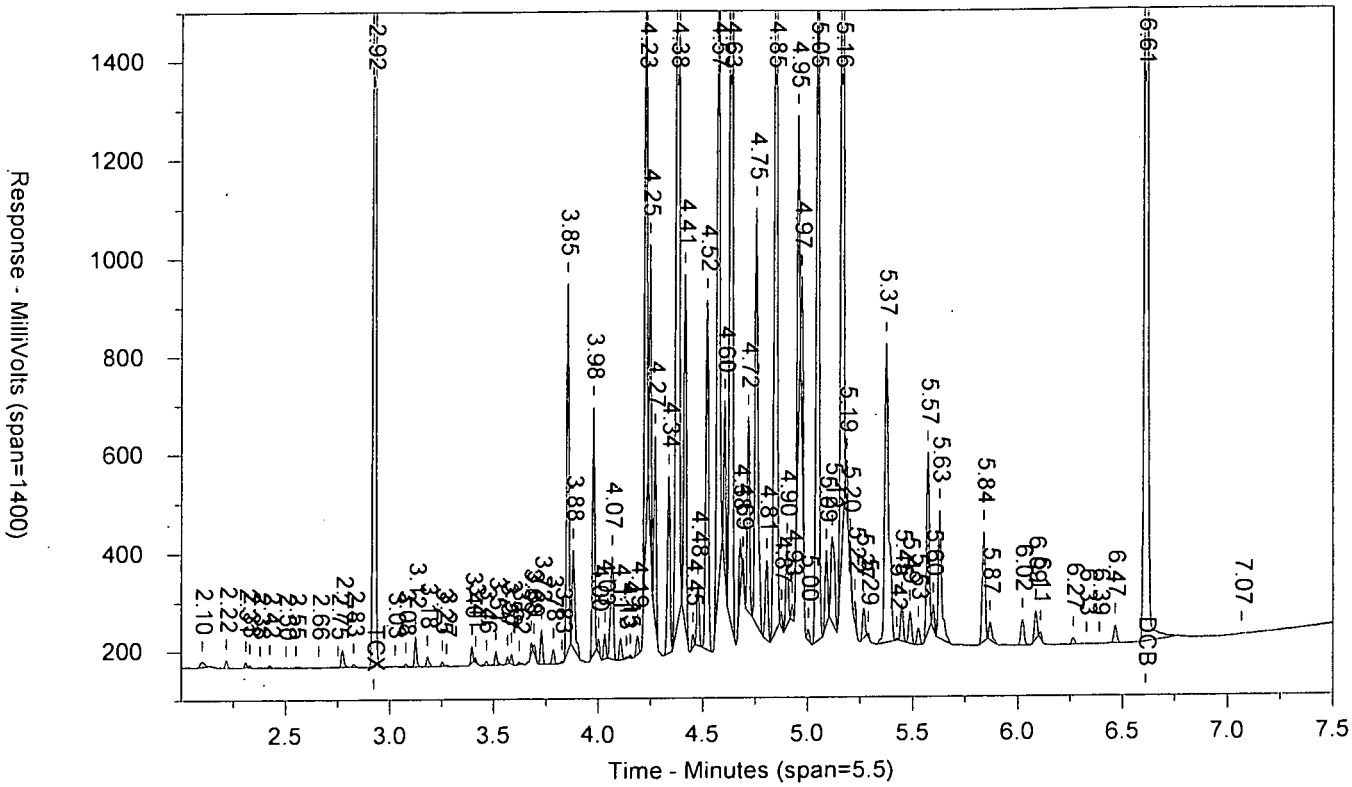

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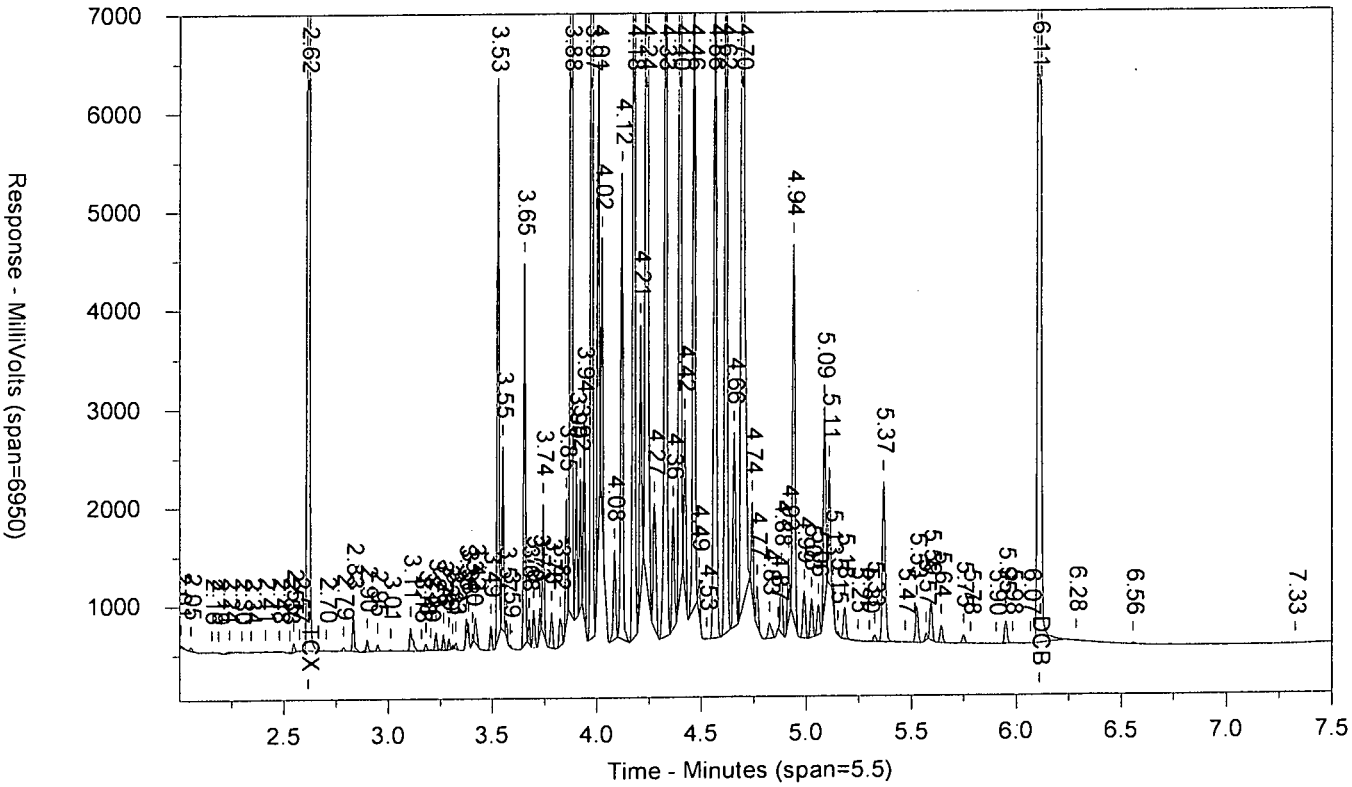

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:09:12 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	4622428	40.676	TCX	2.616	27652480	40	TCX
6.611	2754543	40.027	DCB	6.108	20216660	41.497	DCB

Files:
Area File: 20pcbs17137001.020.RAW
Area File: 20pcbs17137001B.020.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:17:56 PM
File Reported On: 5/17/2017 at 8:18:05 PM

AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082

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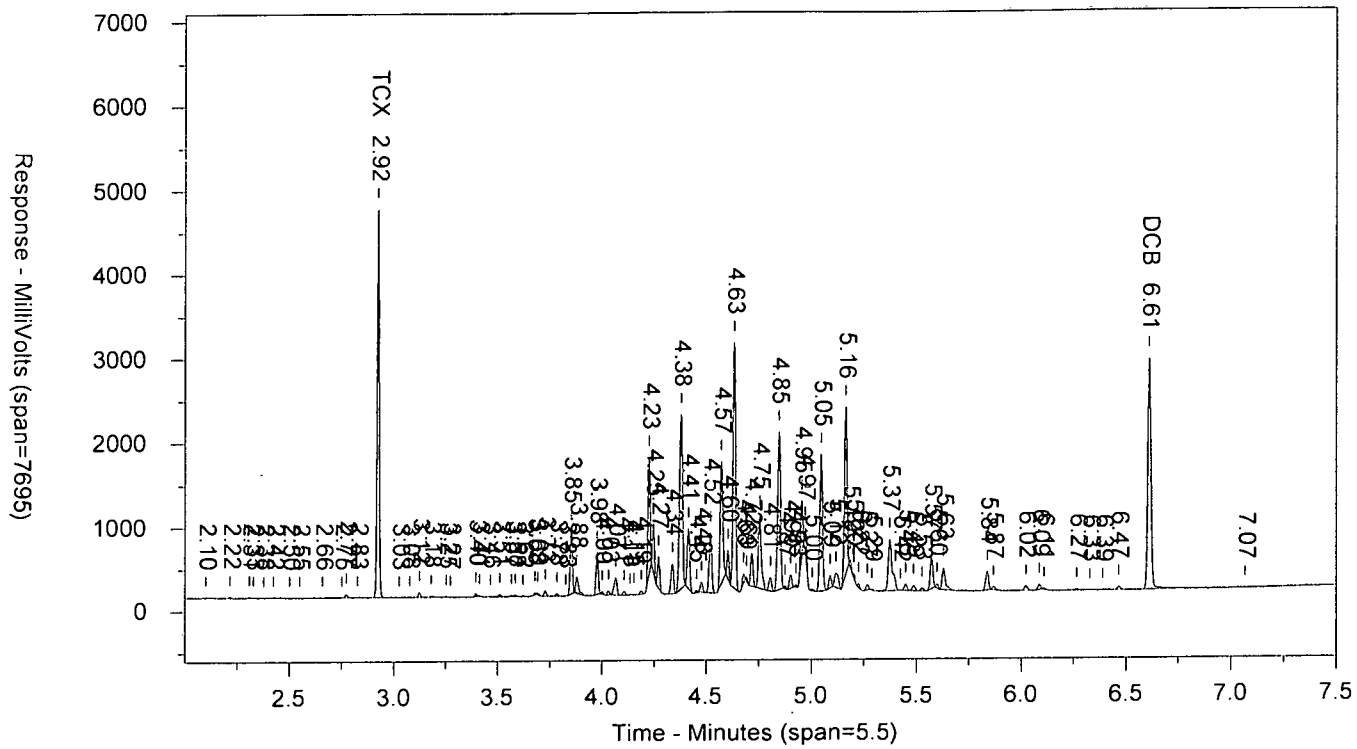

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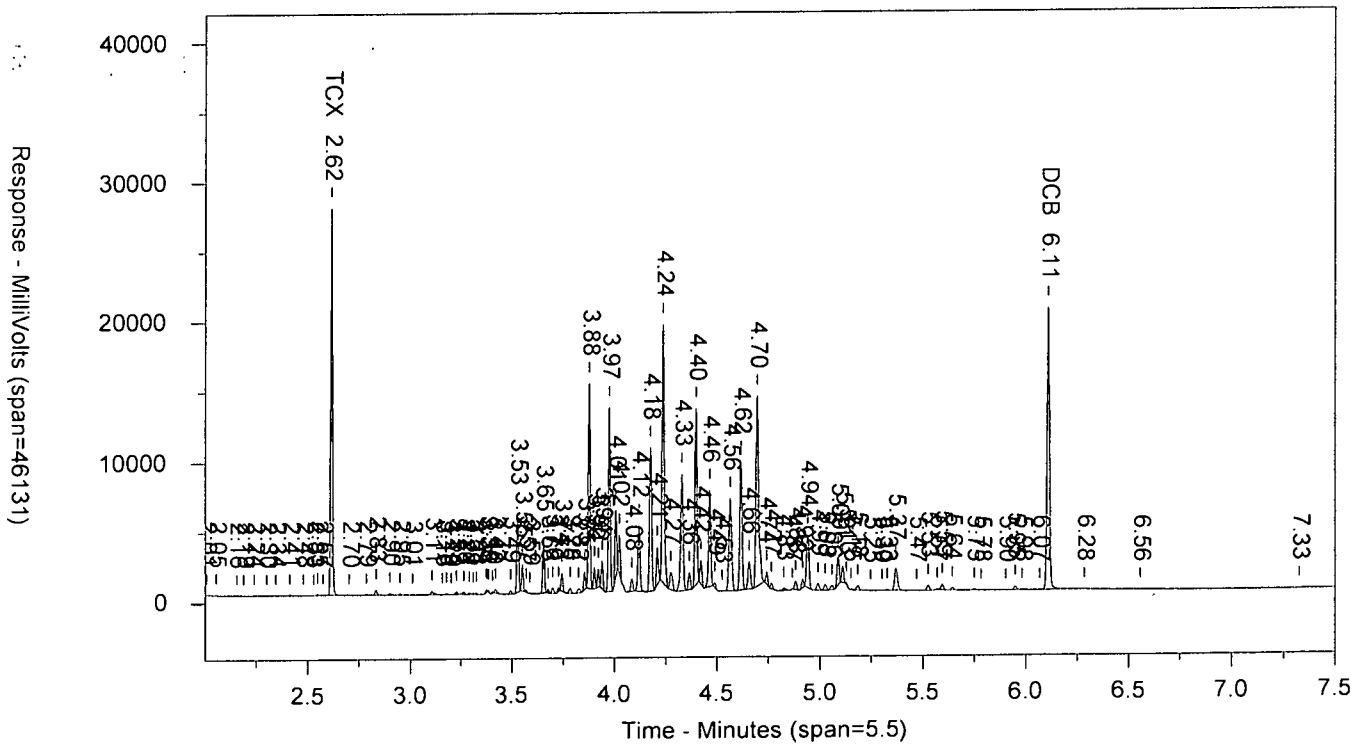

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:20:33 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.021.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		10136	15325
2.137		1957	3258
2.217		32849	23103
2.31		7207	4381
2.328		10988	6834
2.382		1602	2039
2.424		2572	2366
2.549		1624	3440
2.657		1341	1181
2.773		29987	25362
2.827		1909	1978
2.923	TCX	9259284	6193316
3.026		2607	1580
3.076		10509	9142
3.123		120236	82777
3.18		39027	28153
3.253		19678	12024
3.274		4272	2700
3.395		60372	37461
3.412		18196	9948
3.448		2865	1390
3.465		15060	9946
3.51		56681	40532
3.566		33433	19529
3.585		37876	23164
3.621		9950	5749
3.68		43973	23366
3.693		35525	25194
3.728		125742	97325
3.784		60070	47004
3.825		7981	4745
3.853		1532901	1125479
3.88		380596	350463
3.926		3710	1750
3.977		976045	734886
4.001		55330	31529
4.031		97929	72461
4.066		427919	389448
4.107		86308	69635
4.136		6966	3783
4.152		16165	9469
4.188		75052	60647
4.225		2731089	1946699
4.246		1144496	683667
4.269		790486	567088
4.336		739600	607952
4.379		4093713	4152217
4.413		1424145	1148958
4.453		52274	34888
4.475		239453	185835
4.519		1455631	1247542
4.57		2937191	2577190
4.602		670780	440816
4.632		5809577	4977570

RT A	Compound A	Height A	Area A
4.677		243803	171373
4.691		97669	45729
4.716		784146	620944
4.753		1662863	1661778
4.804		319262	287793
4.846		3933572	3580532
4.874		57756	34675
4.901		316861	264192
4.927		60640	36337
4.954		1274447	965506
4.971		647030	381250
5.004		40966	30835
5.046		3218600	2999988
5.089		306935	244835
5.116		349882	442785
5.162		4038610	3527055
5.185		188027	89313
5.201		114123	64175
5.224		79894	56442
5.268		111788	96207
5.288		13829	8690
5.373		1291869	1570699
5.422		6682	3441
5.448		132774	121346
5.488		114070	110967
5.528		62883	59688
5.572		727477	644830
5.598		84254	59788
5.63		509696	553492
5.717		2508	3690
5.837		429872	402658
5.869		68788	70812
5.931		2103	2735
6.022		107955	113902
6.086		117120	106905
6.108		23890	15593
6.264		23668	24737
6.309		1654	1362
6.392		1240	1450
6.466		67040	68969
6.612	DCB	5147151	5368635
6.731		1866	2665
7.068		4042	5274
7.303		319	1737
7.352		681	266
7.653		832	19287
7.884		859	6518

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:20:33 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.021.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		10638	12042
2.054		77814	51292
2.149		5862	6383
2.188		6984	10929
2.239		17332	35365
2.3		3397	2988
2.37		2462	4037
2.411		5470	5645
2.48		5040	3816
2.528		13017	12823
2.547		93664	74032
2.592		2366	815
2.615	TCX	56609560	32376670
2.658		13428	5406
2.786		65576	53138
2.813		5414	2081
2.833		682180	426560
2.899		215177	145429
2.949		130969	77774
3.009		28749	18287
3.106		404997	394420
3.156		21809	11762
3.178		112192	67634
3.202		19318	10214
3.227		333181	230191
3.264		287550	171636
3.291		239646	128881
3.31		74069	34075
3.325		91827	46376
3.375		581964	605897
3.404		178530	82558
3.419		532145	398149
3.492		457736	293835
3.527		11258960	6720859
3.55		3588982	1991392
3.568		351071	157140
3.585		49416	24281
3.653		7142227	4449686
3.676		517787	269731
3.697		753186	507537
3.726		485851	252177
3.743		2645388	1536395
3.783		679704	520067
3.823		523346	490609
3.853		2410604	1417336
3.875		27730980	18334860
3.9		2968250	1659925
3.92		2564218	1388273
3.938		4287230	2595155
3.974		24980650	16651260
4.006		10176120	5940632
4.023		5755855	2952326
4.084		1786367	1264167
4.118		9354214	6783653

RT B	Compound B	Height B	Area B
4.175		21603490	15224730
4.208		5907235	4101801
4.236		37174280	26627210
4.273		2352942	2294730
4.328		16637400	13784300
4.364		2533352	1827689
4.397		25147190	17402020
4.42		3311848	2151376
4.463		13831460	10243460
4.489		734415	425084
4.563		12558530	12010650
4.615		17962290	14155920
4.655		3828722	3362585
4.695		27443780	25440620
4.742		1868969	1194516
4.765		735467	508125
4.824		289705	319814
4.865		25567	21894
4.881		1091167	819870
4.916		1131739	765068
4.939		7620935	6025815
4.99		927257	778313
5.026		769163	608975
5.058		560607	482305
5.088		4093819	2970735
5.11		2529016	1634763
5.128		306339	153700
5.151		64936	38326
5.185		676909	590667
5.247		10623	10339
5.303		10013	6473
5.325		127369	103877
5.368		3009745	3032544
5.469		10264	7195
5.526		742030	659992
5.571		114501	78304
5.594		801130	666356
5.643		347988	303371
5.75		162007	133107
5.782		8871	7558
5.9		7131	6381
5.949		448641	385083
5.981		9773	6448
6.002		5818	3916
6.072		3286	2437
6.108	DCB	38010540	31800680
6.281		11103	20464
6.559		25352	24525
7.192		1593	2380
7.322		1349	2370
7.387		1048	2880
7.437		2147	1986
7.61		1867	1935
7.667		1839	2020
8.216		17121	31325

AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082

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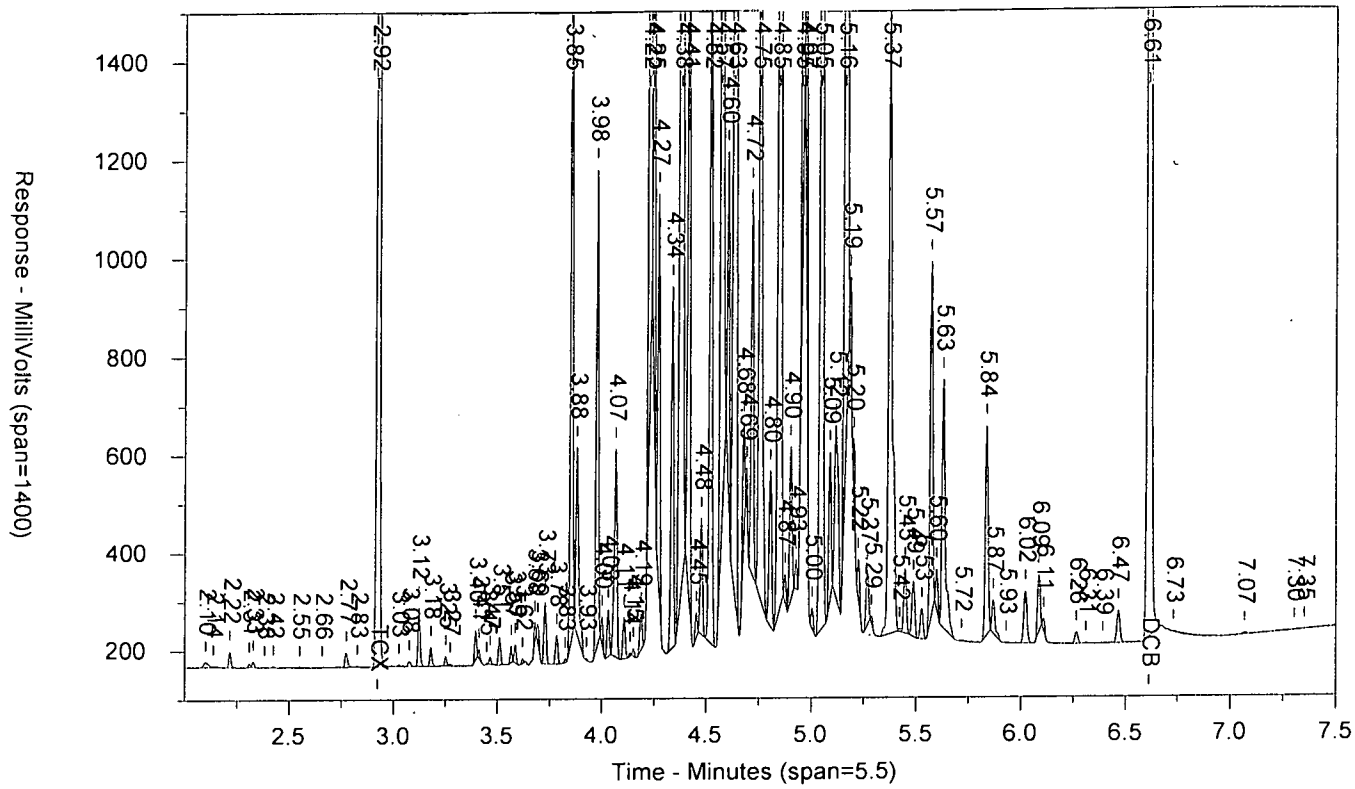

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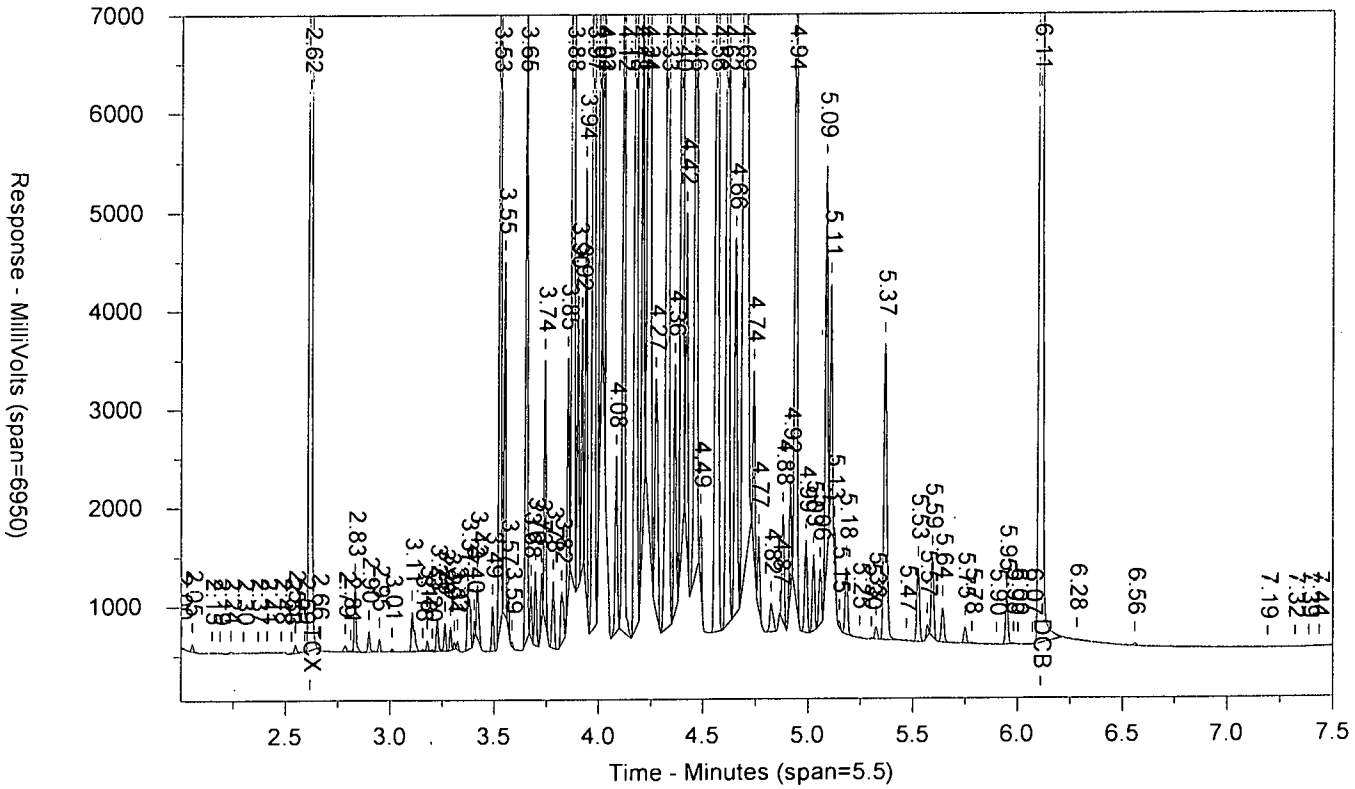

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:20:33 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	9259284	81.479	TCX	2.615	56609560	81.888	TCX
6.612	5147151	74.795	DCB	6.108	38010540	78.022	DCB

Files:
Area File: 20pcbs17137001.021.RAW
Area File: 20pcbs17137001B.021.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:29:14 PM
File Reported On: 5/17/2017 at 8:29:21 PM

AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082

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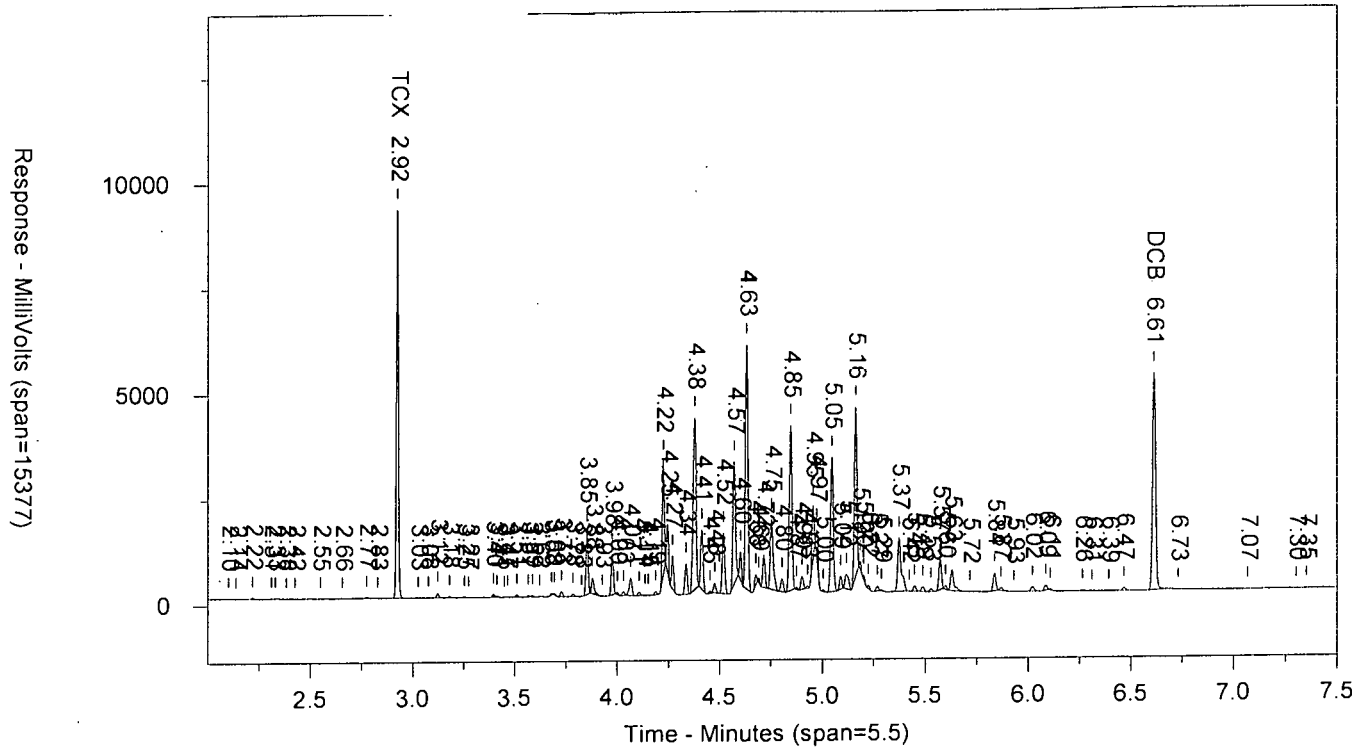

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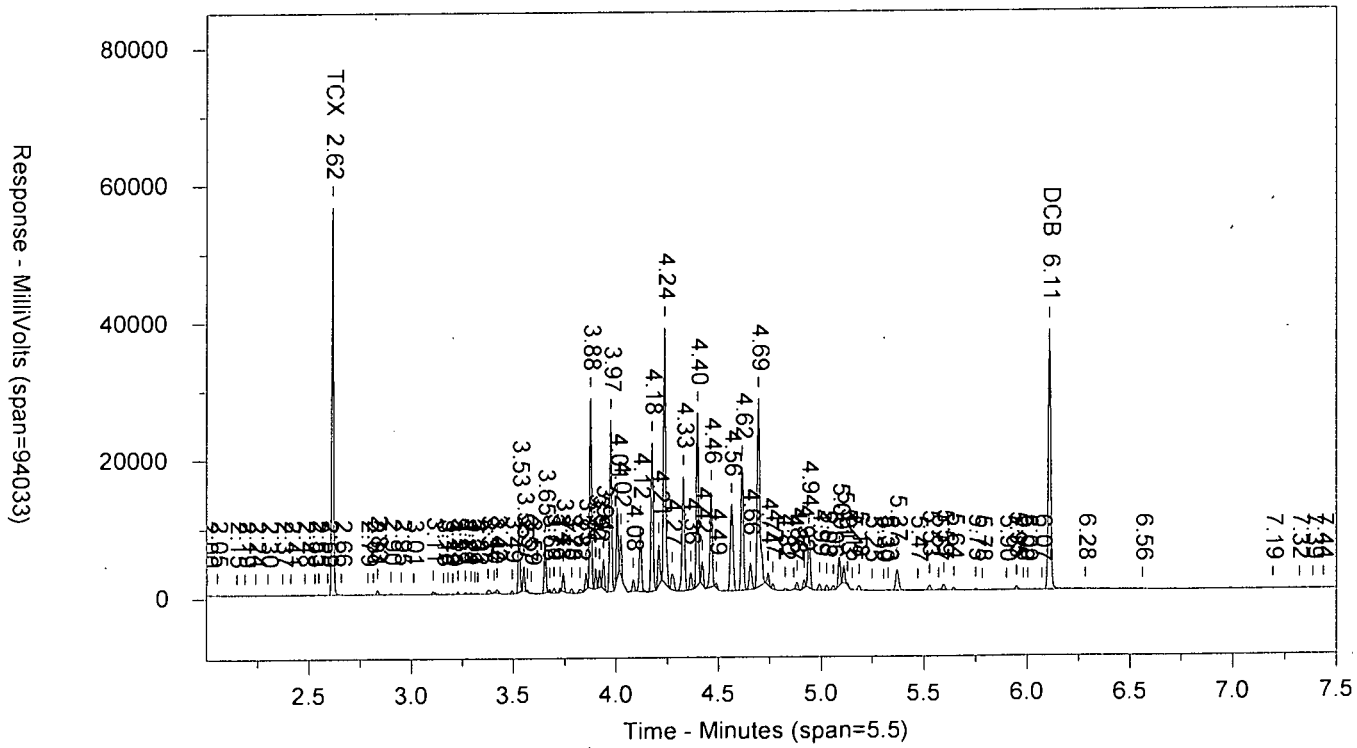

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:31:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.022.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		9580	23702
2.272		2325	2192
2.309		15044	10701
2.38		1413	1869
2.424		4784	4863
2.549		3766	3540
2.584		3914	2183
2.661		1147	1185
2.688		1238	1091
2.774		37604	32514
2.829		5762	5425
2.9		2343	1547
2.925	TCX	1265	1545
3.076		2332	2485
3.133		2147	1611
3.182		14045	14219
3.277		3164	2490
3.396		14661	8914
3.413		5700	2905
3.449		1395	677
3.492		867	472
3.512		14267	8818
3.586		4442	3265
3.622		2914	1640
3.681		6421	2797
3.692		12910	6529
3.729		21262	15246
3.753		4380	2682
3.787		14699	10051
3.812		5651	4317
3.854		18396	13941
3.889		20870	22396
3.92		1566	1535
3.979		16997	15243
4.032		3336	2413
4.068		12551	16739
4.108		3914	3096
4.169		1221	1618
4.189		7024	4631
4.227		101790	85416
4.247		11395	5791
4.27		13417	9012
4.296		6590	5003
4.338		6602	4187
4.359		18999	12025
4.381		124969	104924
4.414		11606	8098
4.453		6869	4821
4.479		24324	20451
4.516		70223	68842
4.587		112833	135698
4.634		66670	57095
4.679		414120	413412
4.717		68078	49803

RT A	Compound A	Height A	Area A
4.756		669409	619595
4.797		20130	18151
4.846		43633	52100
4.878		11216	7414
4.903		76464	70028
4.956		732300	823498
5.005		337470	318742
5.049		319460	391160
5.105		53406	46255
5.128		23137	15279
5.162		578594	631288
5.203		10250	4979
5.225		1002432	922537
5.27		415826	409892
5.364		140912	108881
5.39		809822	830745
5.449		340075	291484
5.47		17892	7063
5.489		94761	72627
5.531		37279	33021
5.553		1619	689
5.575		135463	124638
5.63		1957322	2075627
5.834		1081708	1184801
5.891		535861	881602
6.023		56214	56618
6.087		16088	11269
6.109		252924	224638
6.267		651921	660170
6.312		38215	53621
6.466		241916	250989
6.611	DCB	6683	6850
6.644		981	815
7.185		853	7815
7.564		619	4927
8.087		1111	6097
8.184		997	4562
8.683		3370	3104

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:31:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.022.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		6712	5695
2.082		8236	6411
2.156		6846	7445
2.238		16645	30193
2.345		31043	22180
2.412		17096	18827
2.475		6711	10859
2.53		15682	8915
2.547		104133	78978
2.59	TCX	4138	4616
2.645		14023	11284
2.696		4157	9385
2.785		9224	6312
2.847		18424	16327
2.899		77208	58976
2.922		4334	1890
2.984		10202	6345
3.01		9433	6048
3.105		110047	122576
3.18		21644	19348
3.202		6711	3373
3.227		102144	68164
3.264		32612	20047
3.309		23071	10959
3.325		55681	30451
3.354		8439	4422
3.375		55743	26361
3.385		91280	39251
3.418		99711	89717
3.451		4412	2199
3.493		121870	98875
3.527		103594	53100
3.551		184101	111025
3.58		48747	39172
3.61		35902	21056
3.654		122840	73285
3.674		61398	33483
3.698		37603	23374
3.727		69786	37999
3.743		67609	38051
3.783		39874	33266
3.831		82448	82190
3.86		36201	27912
3.876		785265	500722
3.901		80511	45580
3.921		21514	10753
3.939		66402	39943
3.974		885799	614789
4.008		117386	74958
4.035		278568	216640
4.058		16611	7908
4.071		177477	115310
4.11		370790	344837
4.152		20032	11490

RT B	Compound B	Height B	Area B
4.175		190938	132370
4.218		460868	314325
4.25		2580708	1911976
4.276		667678	680248
4.328		4377388	3375554
4.369		140668	104106
4.397		173234	127479
4.422		643408	497810
4.465		4869363	3784974
4.525		3471	4695
4.568		4600259	4096827
4.621		834799	675650
4.66		1361553	1116638
4.695		3029463	2540303
4.728		6508425	5086081
4.766		3300506	2621874
4.823		5346	3391
4.866		1395086	1165309
4.916		6474238	5652151
4.99		2538959	2581296
5.027		848939	638623
5.056		749016	616201
5.088		27549	19505
5.111		12314600	10191220
5.151		219262	163912
5.184		837725	705775
5.259		4324	3395
5.303		219683	140021
5.326		5102819	4118445
5.374		8213507	8400974
5.527		387830	338255
5.572		61504	42127
5.595		245012	199588
5.644		1851441	1631078
5.75		4445079	3845746
5.781		224678	160141
5.95		1767900	1579581
6.108	DCB	48228	43930
6.284		6197	5048
7.326		1897	4203
7.622		2046	4034
7.66		1741	1302
7.787		2571	11436
8.214		16572	30496

AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082

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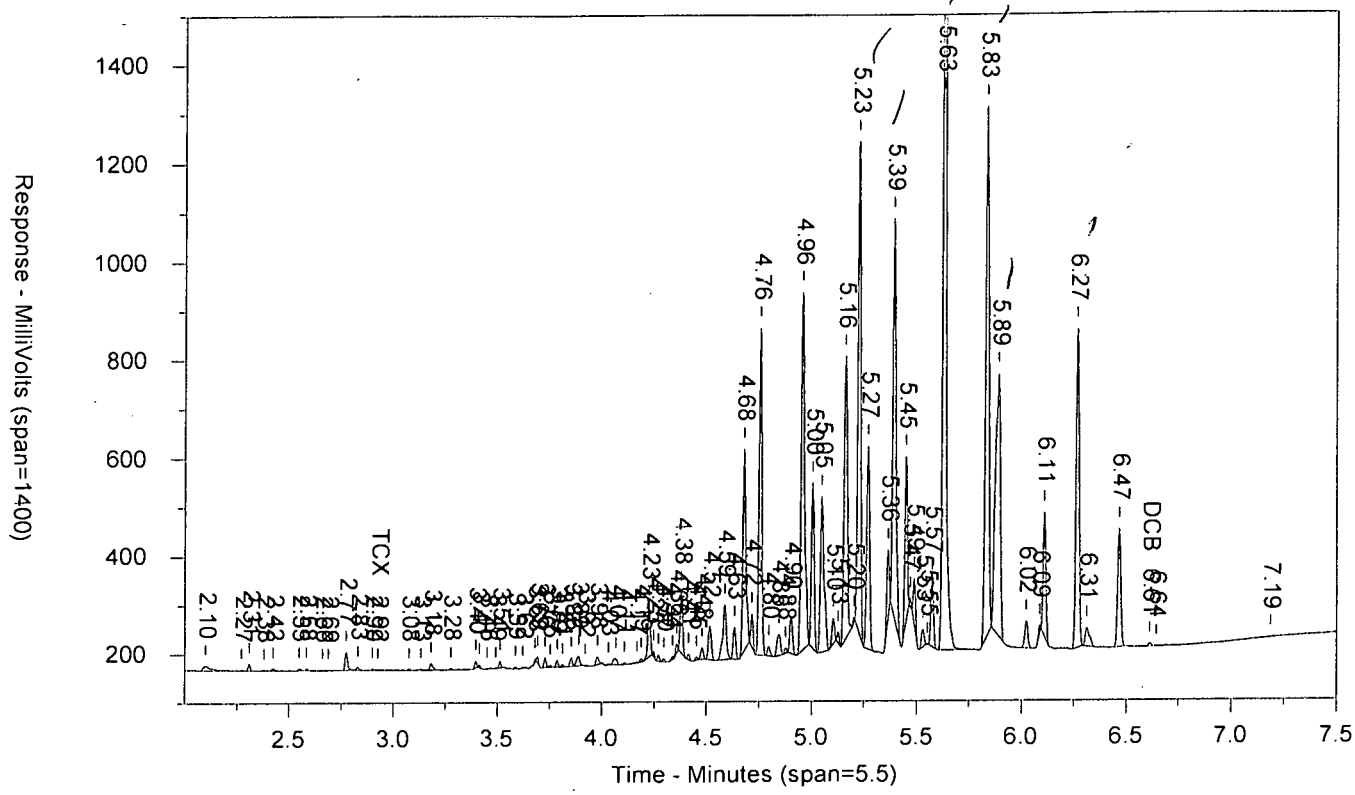

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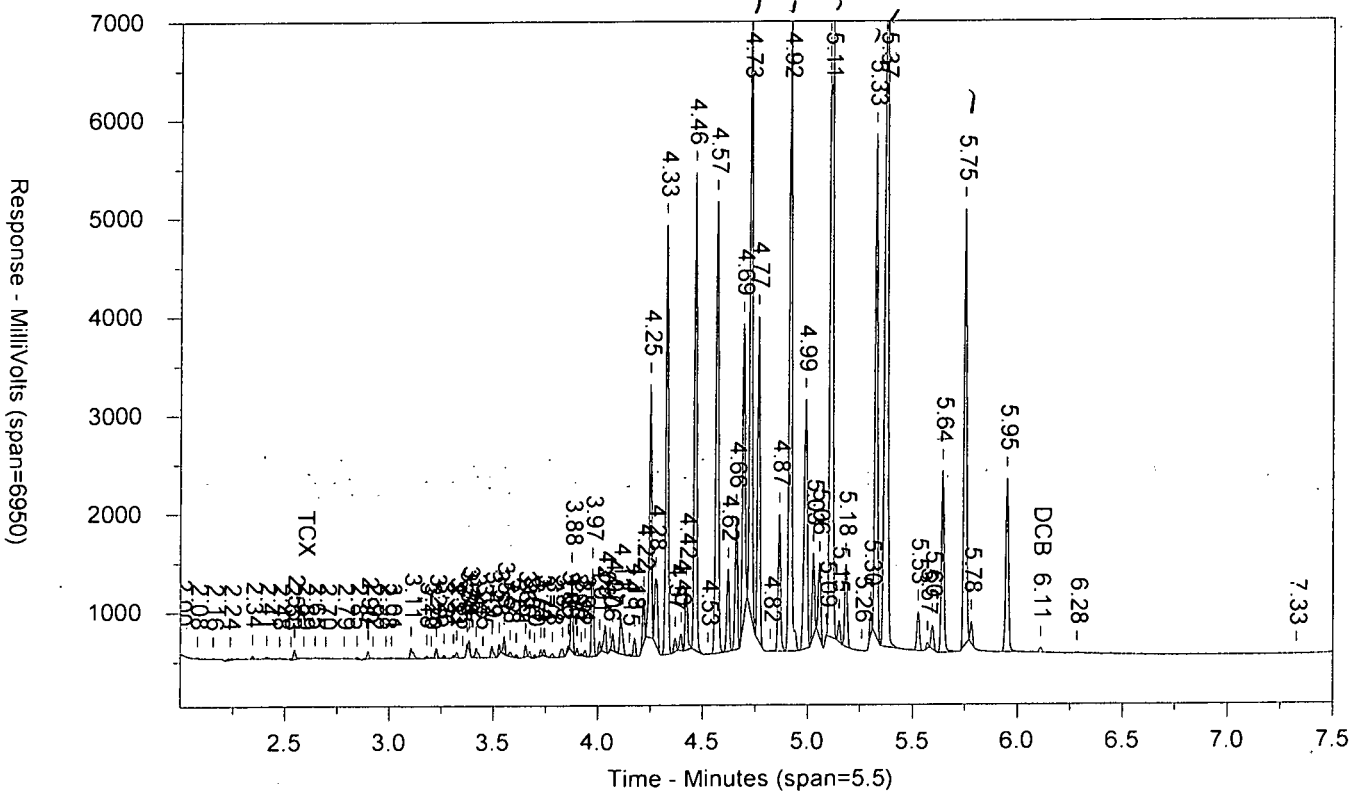

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:31:54 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	1265	.011	TCX	2.59	4138	.006	TCX
6.611	6683	.097	DCB	6.108	48228	.099	DCB

Files:
Area File: 20pcbs17137001.022.RAW
Area File: 20pcbs17137001B.022.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:40:39 PM
File Reported On: 5/17/2017 at 8:40:49 PM

AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082

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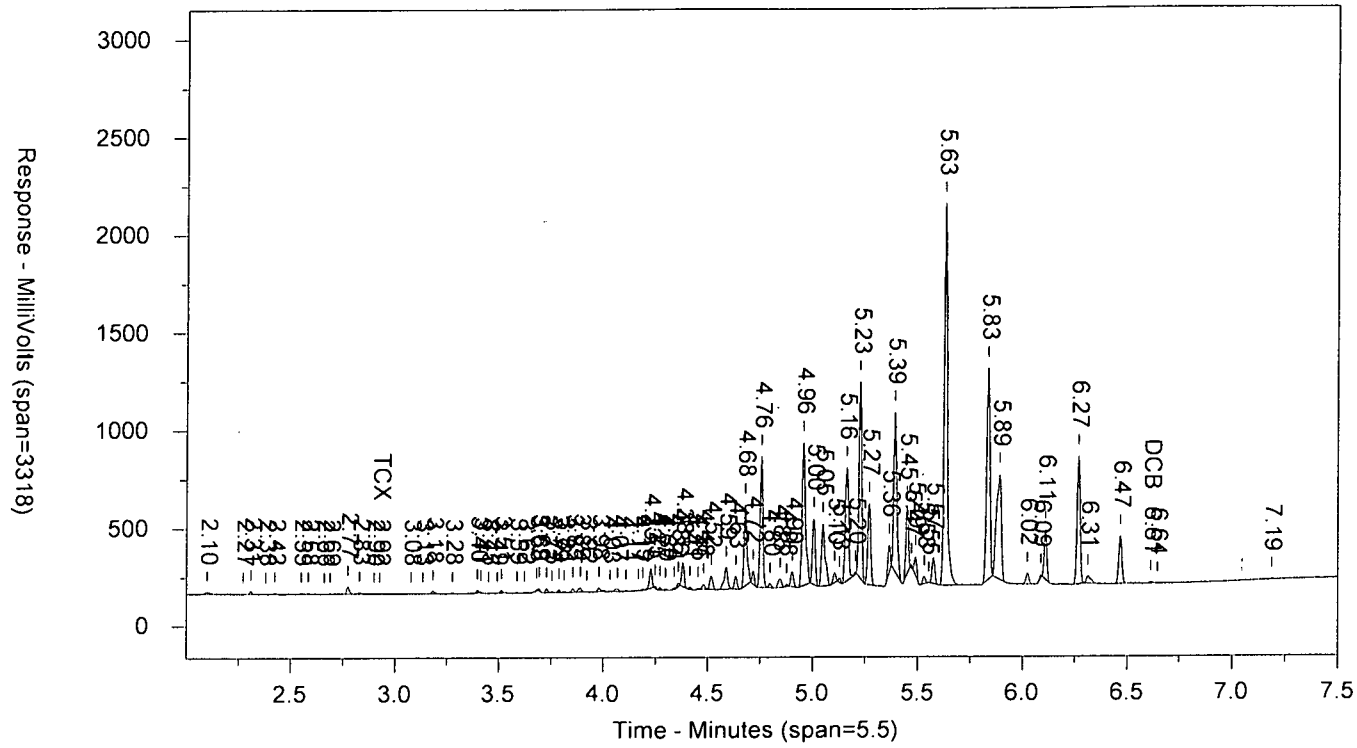

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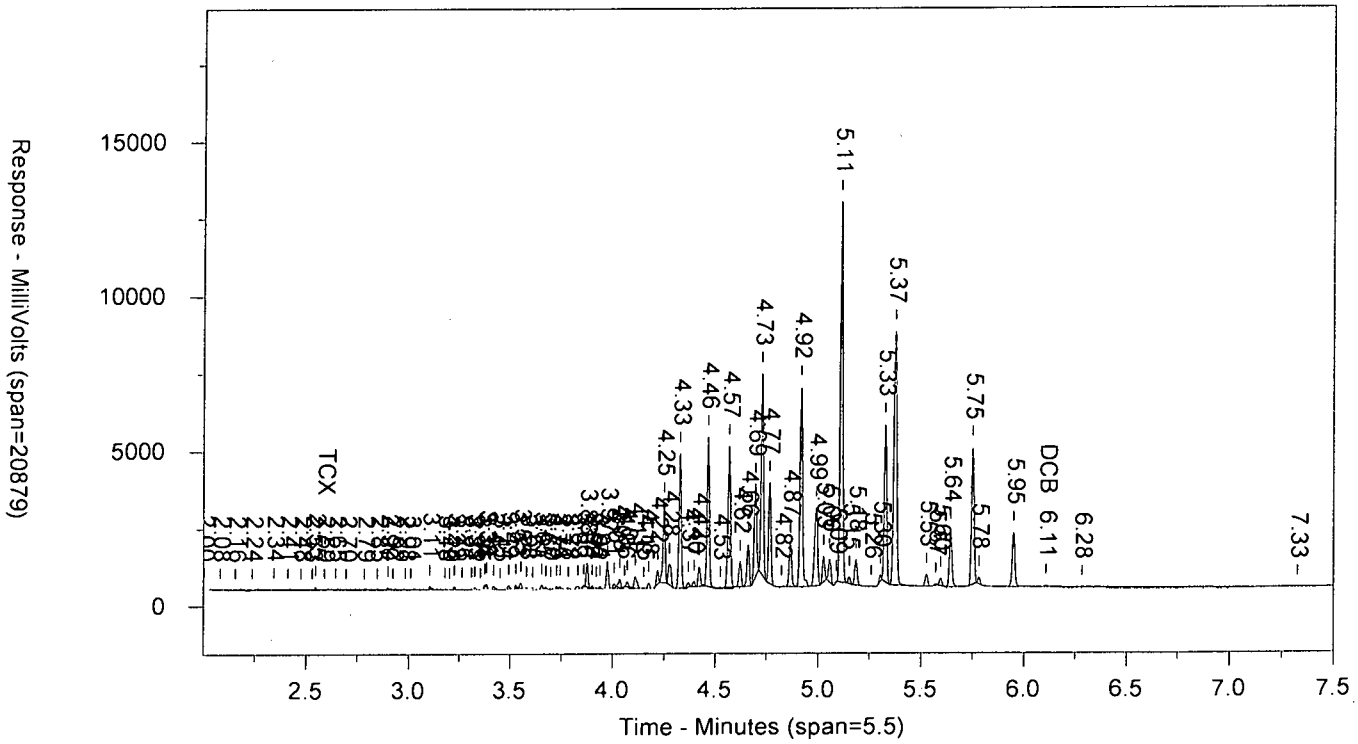

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:43:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.023.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.009		673	441
2.1		17338	39268
2.31		15555	10909
2.38		1656	1983
2.425		5499	5019
2.549		1604	1406
2.66		1451	1304
2.753		782	410
2.774		41198	35401
2.828		5683	5165
3.192		6115	6799
3.397		3498	2331
3.493		1036	558
3.512		2959	1653
3.531		2441	2003
3.587		1284	1199
3.623		1125	1188
3.667		1941	1310
3.681		2130	952
3.693		3182	1626
3.73		6662	5652
3.788		4605	4247
3.853		6147	6411
3.889		4508	5190
3.979		5617	3888
4.003		2367	1441
4.033		2138	1364
4.069		6233	7594
4.109		3528	3137
4.172		1336	1076
4.189		3232	1904
4.223		10238	13920
4.247		10674	6779
4.27		9116	5519
4.297		7978	6831
4.327		872	814
4.377		13432	10564
4.399		3520	2143
4.473		6198	5777
4.516		43448	44026
4.573		12186	11143
4.634		6338	5529
4.679		6266	6093
4.719		9664	8073
4.756		15389	13703
4.798		35412	32710
4.842		16121	17384
4.879		52062	45422
4.92		3808	3902
4.957		5767	4221
5.005		50320	45962
5.049		14371	20116
5.092		1282	685
5.119		23324	22038

RT A	Compound A	Height A	Area A
5.159		21173	21187
5.205		19574	13064
5.226		388389	354919
5.27		41378	41995
5.365		33355	27563
5.405		511868	625569
5.471		161593	187229
5.53		57695	59086
5.576		10572	10213
5.63		164526	128505
5.651		107210	80131
5.832		2407763	2419411
5.892		2100808	2311303
6.022		1958924	1941615
6.087		449104	398307
6.108		27498	19316
6.267		809132	798137
6.313		5137	3780
6.343		2719	2839
6.466		6332050	6342311
6.613	DCB	1236467	1264548
6.69		4092	3746
6.931		2872	3623
7.275		831	14575
7.608		649	631
7.674		729	715
7.787		1113	630
8.227		803	3921
8.305		685	567
8.356		527	952

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:43:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.023.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		21241	16823
2.156		5306	4126
2.24		17166	30705
2.343		2269	1469
2.367		2996	2539
2.411		8424	9386
2.479		11902	26723
2.53		14069	13108
2.547		116581	93946
2.629	TCX	2736	1880
2.703		4776	16369
2.799		3779	3230
2.9		16664	22510
2.988		2732	1622
3.106		26538	44021
3.182		15285	17140
3.228		26898	18718
3.265		8538	6302
3.311		3843	1613
3.326		29643	17278
3.355		4169	2350
3.375		16702	8217
3.385		25882	10490
3.417		21484	18108
3.45		3917	2112
3.493		38800	25695
3.528		39744	23115
3.552		54148	31220
3.569		7386	2764
3.586		18816	16536
3.655		55143	34610
3.676		18057	12099
3.701		29240	20635
3.728		25152	12855
3.745		39765	22561
3.785		29057	21600
3.832		77279	61235
3.86		49242	40158
3.878		85619	51243
3.902		71738	43241
3.922		4082	1856
3.976		25514	27207
4.011		53779	33346
4.025		8303	2706
4.038		25781	13183
4.073		42858	29449
4.091		15089	6846
4.11		229867	192773
4.153		57525	37464
4.174		17046	8718
4.208		17671	18025
4.237		23245	13132
4.251		25735	13078
4.281		12734	12271

RT B	Compound B	Height B	Area B
4.33		151608	134535
4.369		232064	171839
4.397		34429	23376
4.421		54921	32268
4.441		310657	216825
4.465		34905	18674
4.523		3829	4068
4.568		383299	324483
4.62		101858	89177
4.666		172511	178441
4.697		74599	55370
4.728		2738061	2497022
4.766		231697	165698
4.839		5167	5691
4.866		298313	244272
4.916		4161403	3553631
4.944		53763	31834
4.983		1120441	1051110
5.027		23600	13600
5.043		12475	6370
5.062		284608	233537
5.111		1539656	1321321
5.185		1328754	1125488
5.264		8708	6939
5.303		155026	100515
5.327		16635460	13829890
5.374		16842710	14298820
5.527		14469800	12037960
5.594		3498455	3122866
5.644		725776	615375
5.75		5669355	4950070
5.874		24072	26744
5.95		43087670	37186810
6.108	DCB	8495542	7577039
6.255		3297	1077
6.281		24491	24200
6.447		20171	16697
7.029		2050	1964
7.296		1800	720
7.68		1734	17182
8.063		1991	2614
8.131		1496	876
8.216		16946	29976

AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082

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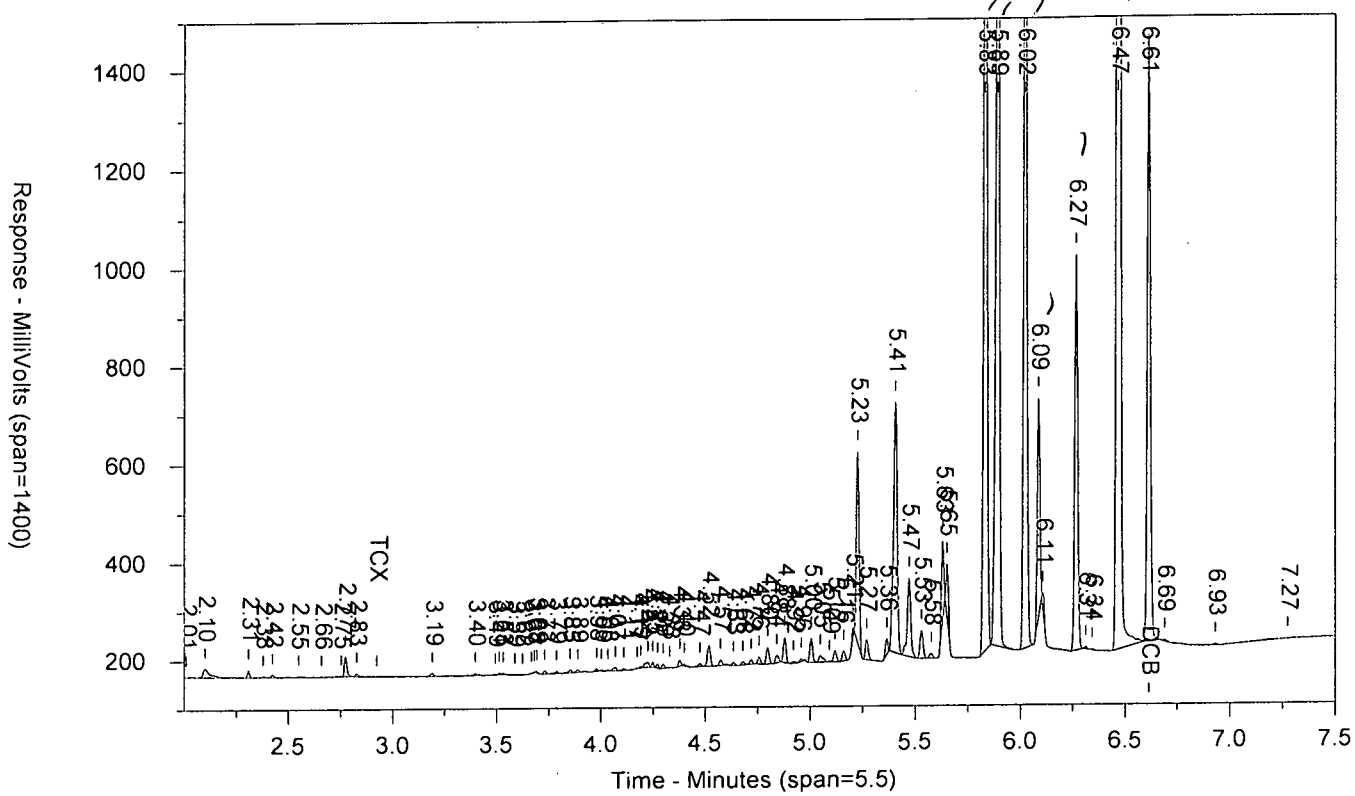

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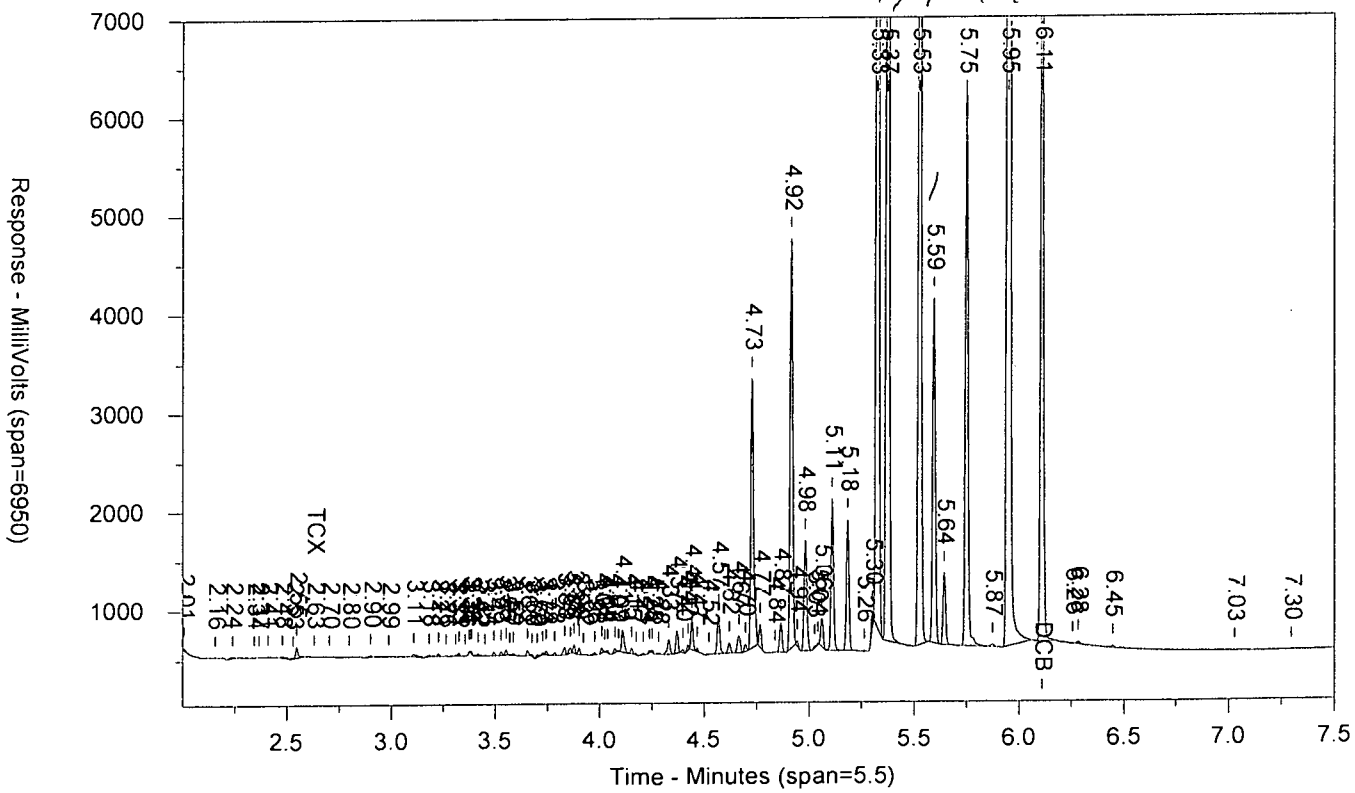

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:43:23 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
	0		TCX	2.629	2736	.004	TCX
6.613	1236467	17.968	DCB	6.108	8495542	17.438	DCB

Files:
Area File: 20pcbs17137001.023.RAW
Area File: 20pcbs17137001B.023.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:52:06 PM
File Reported On: 5/17/2017 at 8:52:15 PM

AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082

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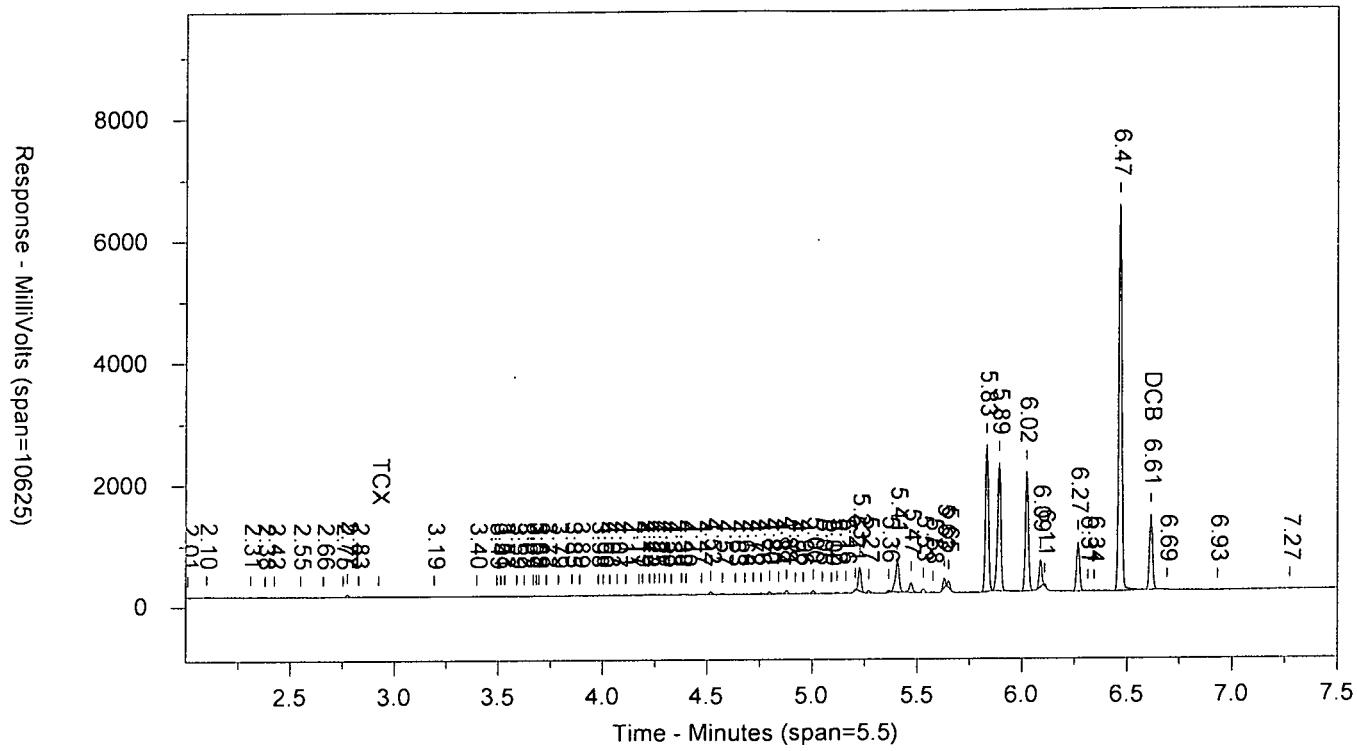

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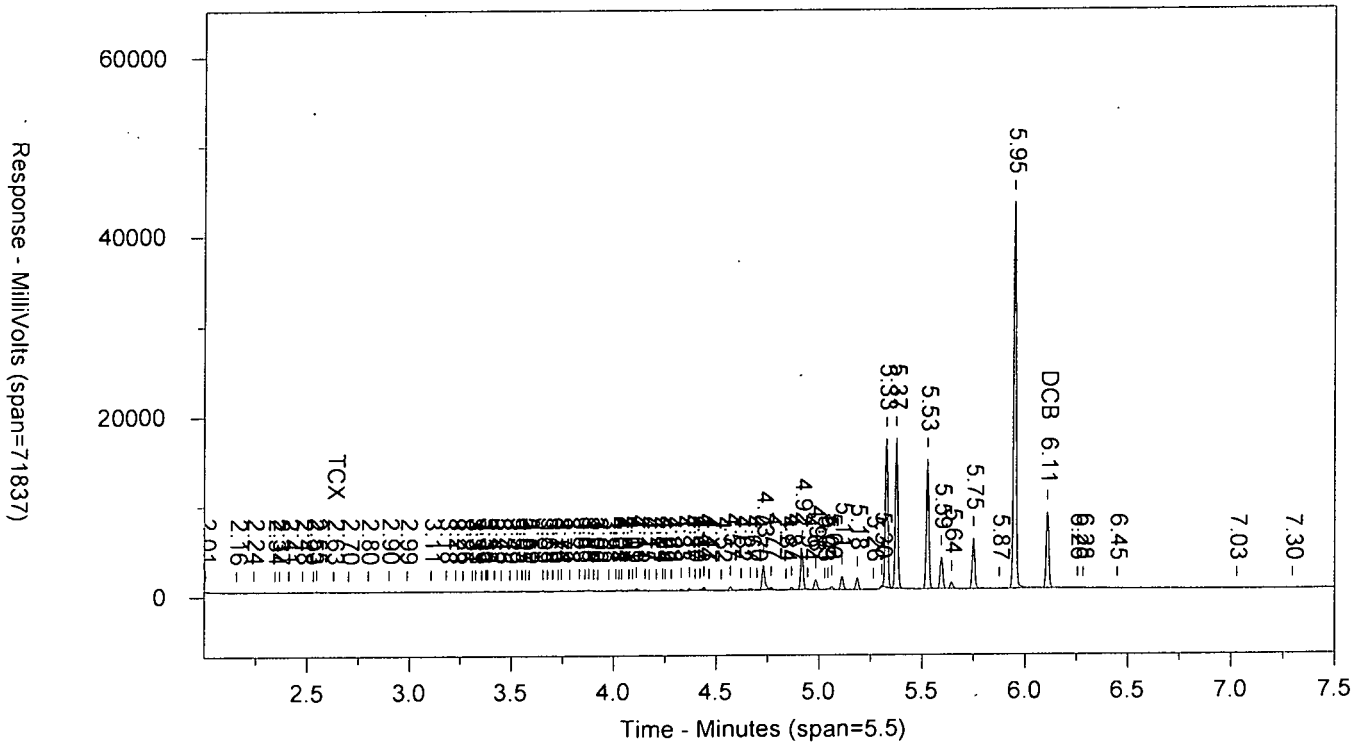

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:54:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.024.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		4572	7710
2.142		1563	4264
2.217		17679	14687
2.31		10780	6546
2.329		5646	3182
2.377		1391	1722
2.425		3198	2818
2.503		1993	2027
2.565		151640	111900
2.658		1251	1083
2.72		1072	1184
2.775		13454	9980
2.805		1658	894
2.843		53426	38394
2.924	TCX	4680481	3111497
3.027		1600	1442
3.078		196682	164416
3.134		170034	152109
3.182		549305	393201
3.254		9573	5778
3.276		3519	2126
3.36		853	526
3.396		29015	16797
3.415		5791	3146
3.434		6904	2521
3.483		67088	47206
3.512		33523	24930
3.568		16899	10150
3.587		2190	1108
3.623		6802	3859
3.638		6472	3582
3.666		3977	2418
3.682		11697	5616
3.693		28410	14798
3.73		42442	30933
3.788		24781	17284
3.829		588	340
3.855		13611	10857
3.882		5143	3864
3.979		8926	6249
4.004		2943	2271
4.034		1953	1487
4.072		13286	12215
4.109		2426	2321
4.174		1203	1272
4.189		1578	1091
4.227		16264	11346
4.247		8605	5338
4.271		8639	5333
4.298		7383	6439
4.337		3057	2644
4.379		18518	17458
4.415		3740	2309
4.452		1694	1407

RT A	Compound A	Height A	Area A
4.483		1711	1611
4.52		7651	8534
4.573		14036	12201
4.604		2731	1821
4.634		21031	18316
4.68		3493	3789
4.717		4143	3395
4.756		7189	7143
4.804		1370	1422
4.848		12862	11836
4.878		18465	15543
4.923		1899	1510
4.955		4872	3690
5.005		3315	3483
5.047		9139	11031
5.118		35724	34192
5.164		10634	9338
5.205		2941	2222
5.374		2093	1630
5.45		961	1935
5.531		29435	29630
5.575		1388	1111
5.652		53840	55137
5.687		2489	2036
5.838		4293	4820
5.882		1815	2208
5.927		1419	1391
6.024		54350	57310
6.088		55010	48004
6.109		8149	5036
6.228		3426	28421
6.264		1209	1221
6.306		949	1527
6.391		2096	2977
6.437		814	675
6.467		34476	35645
6.511		1095	1373
6.613	DCB	2752742	2865048
6.995		1072	1178
7.069		2262	2787
7.21		1048	4020
7.349		378	3159
7.822		761	1577
8.119		794	6225
8.297		784	725
8.681		2496	3556

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:54:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.024.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		4036	2981
2.054		40953	28314
2.156		8959	8987
2.186		2457	948
2.203		13983	7041
2.237		14579	20349
2.271		4019	2351
2.3		704555	472893
2.411		7366	9304
2.452		2827	1411
2.48		4688	3264
2.527		15530	13055
2.547		43121	22290
2.571		230802	143219
2.615	TCX	28055290	16465540
2.658		286031	234623
2.702		4056	4250
2.786		1194106	778645
2.833		231757	101827
2.847		736099	395517
2.899		3053589	1839786
2.949		69187	46558
2.989		6744	4763
3.01		25064	14682
3.086		9347	4909
3.106		121257	60016
3.117		36629	11638
3.125		62700	22754
3.147		106755	67850
3.178		27245	18562
3.203		390349	225446
3.227		218594	135171
3.265		27823	17612
3.292		124082	66259
3.31		57191	26368
3.326		135316	72334
3.354		18589	10105
3.376		81932	43772
3.385		216747	98762
3.419		224355	168101
3.451		5846	3583
3.493		204600	133431
3.528		84436	48442
3.551		58992	39284
3.569		13215	6047
3.591		5320	10570
3.655		75645	49602
3.677		25667	13336
3.701		26111	19510
3.728		16658	8133
3.745		99155	59336
3.785		19513	13885
3.838		7630	7845
3.854		32342	17897

RT B	Compound B	Height B	Area B
3.877		172910	110983
3.902		57909	34120
3.922		11048	5098
3.939		21992	12070
3.976		107701	69167
4.009		52939	31551
4.026		25566	28941
4.073		65790	61450
4.12		40859	30622
4.152		22822	14544
4.177		74028	49635
4.209		21468	14022
4.238		140921	111153
4.275		10296	10017
4.33		75325	65727
4.368		10668	8051
4.398		73090	49620
4.423		9067	4949
4.44		119500	80027
4.466		39128	27932
4.521		6007	5825
4.566		51654	69490
4.619		44657	39400
4.669		215823	163523
4.696		59722	48015
4.728		3308	1373
4.743		8795	5267
4.766		6301	6950
4.842		11544	12237
4.918		22330	17424
4.943		17297	12675
4.986		23685	25441
5.028		7227	5075
5.062		168673	141608
5.089		4361	1936
5.112		13728	9531
5.185		347217	304392
5.246		17159	16026
5.31		3544	3340
5.326		21138	85744
5.407		30499	83631
5.473		11423	23187
5.528		388964	334508
5.596		449616	386798
5.644		140753	120225
5.78		4264	10519
5.859		6935	17558
5.905		6385	6526
5.95		236036	198178
5.981		9435	6459
6.074		1835	1672
6.109	DCB	18941510	16489520
6.172		5903	3498
6.246		5102	5751
6.291		6930	15620
6.56		16141	15277
6.737		4865	10420
6.769		1575	1396
7.216		1490	4100
7.552		1572	3302
7.681		1797	4206
7.728		2424	4355
8.215		14414	26496

AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082

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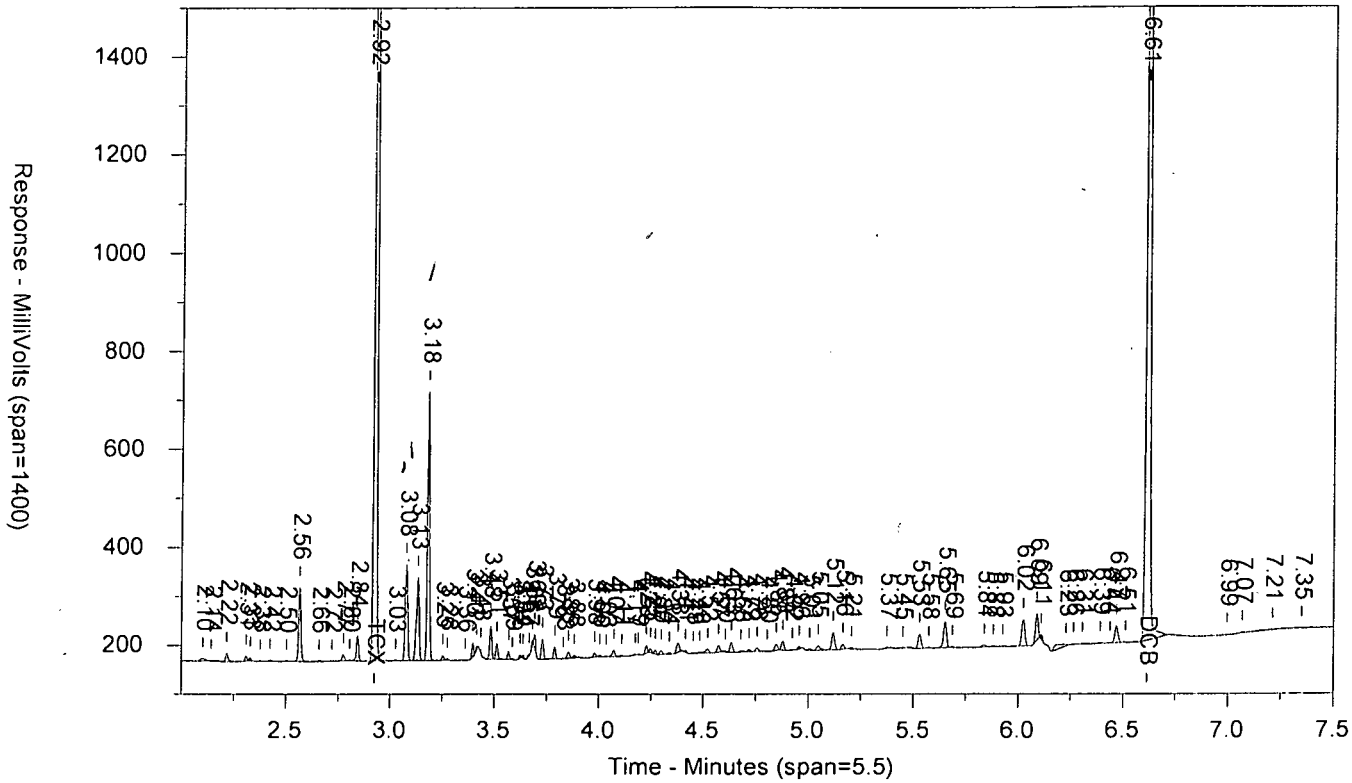

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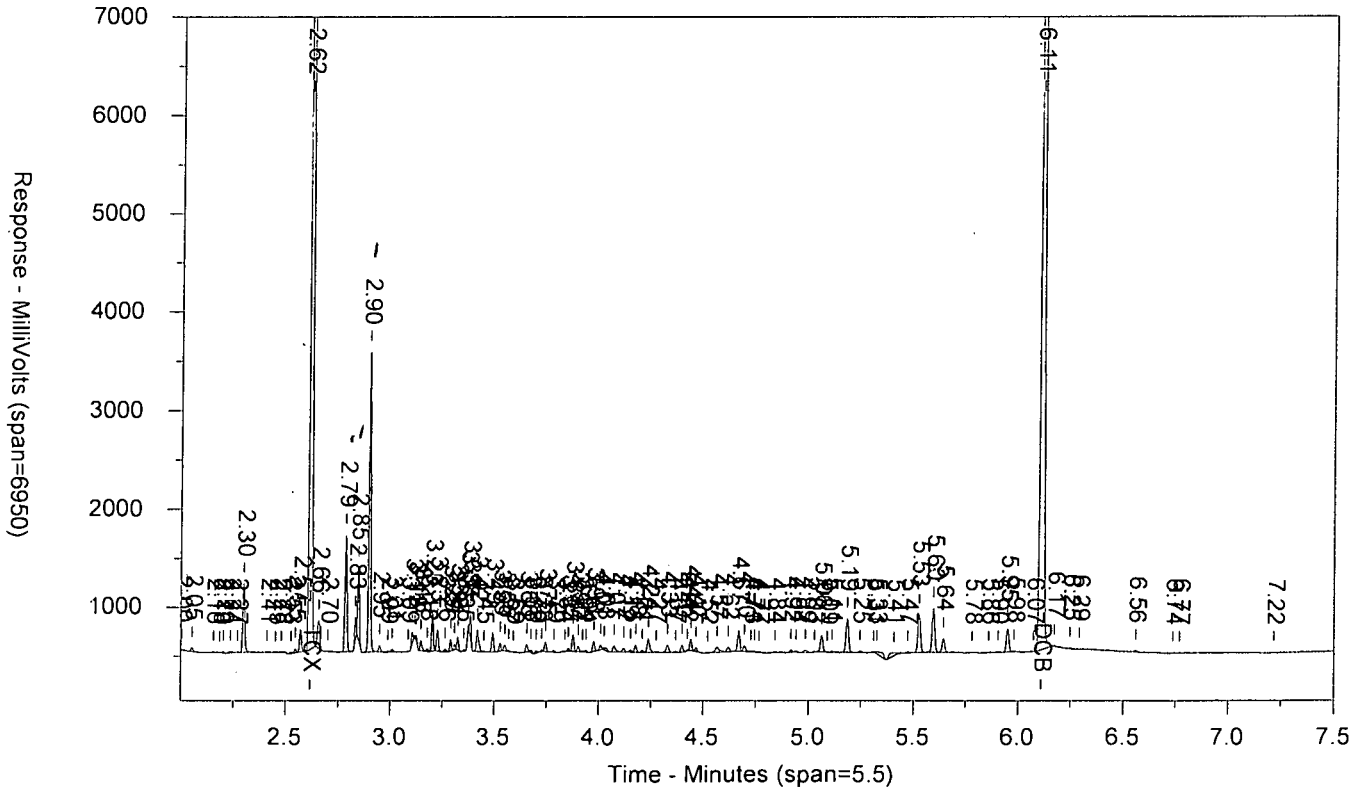

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:54:54 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4680481	41.187	TCX	2.615	28055290	40.583	TCX
6.613	2752742	40.001	DCB	6.109	18941510	38.88	DCB

Files:
Area File: 20pcbs17137001.024.RAW
Area File: 20pcbs17137001B.024.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:03:38 PM
File Reported On: 5/17/2017 at 9:03:46 PM

AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082

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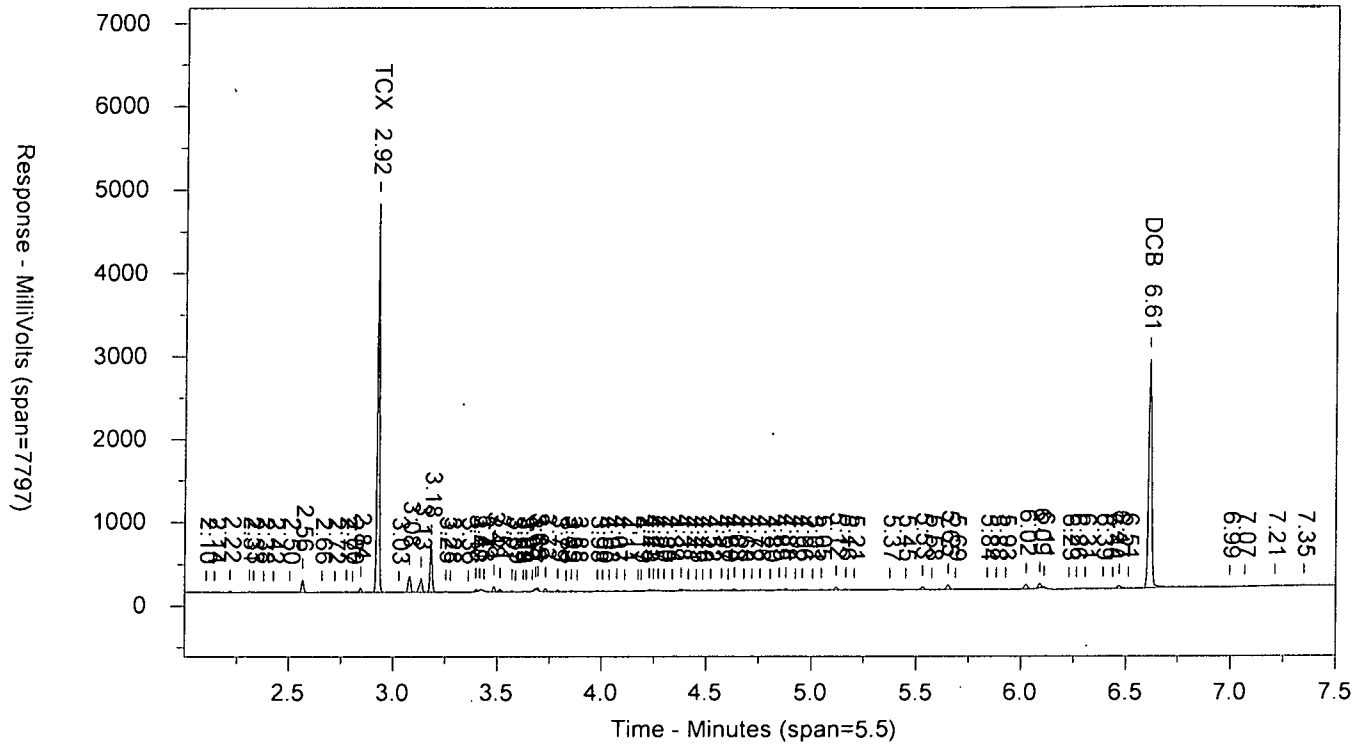

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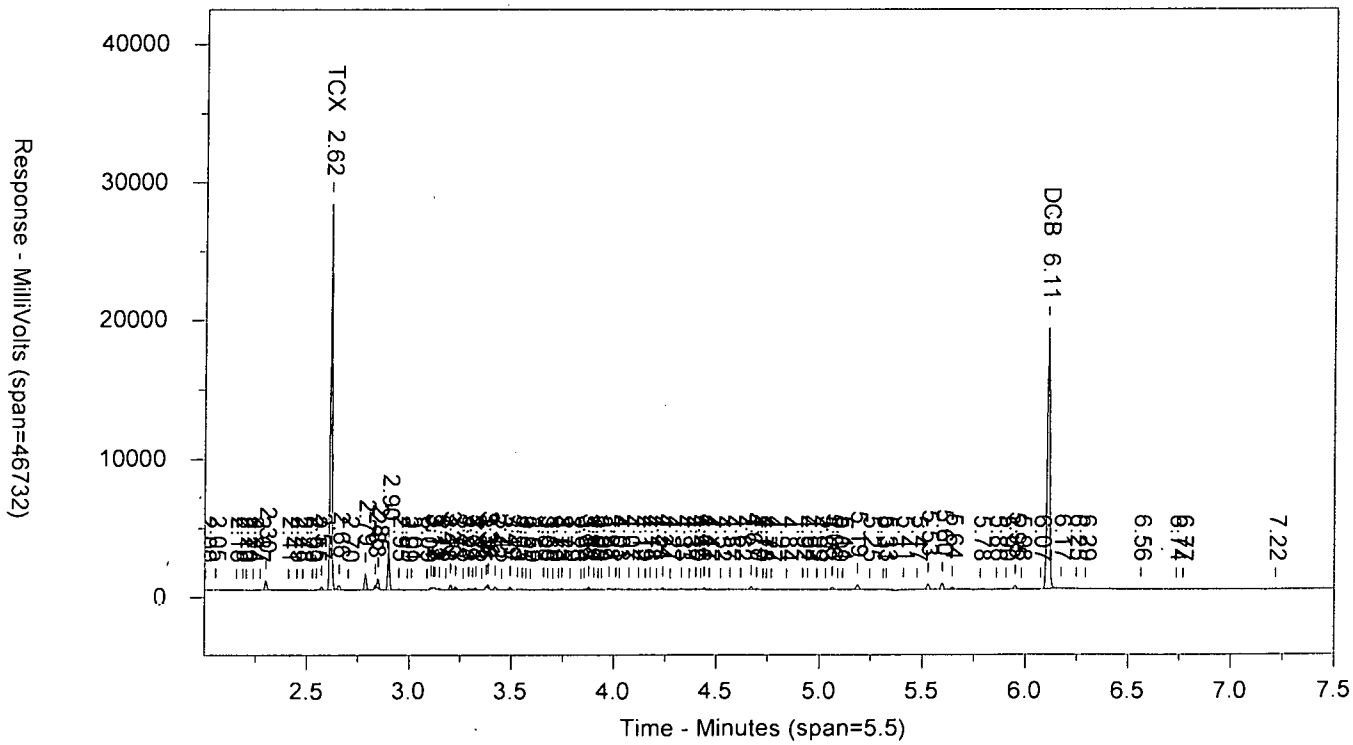


LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:06:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.025.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.104		8547	13431
2.139		2092	4498
2.218		17008	13285
2.31		20521	12613
2.329		5270	2937
2.381		1757	2041
2.425		7496	6794
2.565		94261	73242
2.659		1490	1288
2.719		987	1305
2.774		19005	14614
2.828		2250	1442
2.843		27798	16698
2.924	TCX	4693937	3125828
3.027		1367	1124
3.077		150485	123968
3.134		137890	132950
3.181		493963	353504
3.254		9441	5475
3.275		24525	15558
3.315		763	598
3.361		1450	966
3.397		198764	118673
3.413		90636	49915
3.451		21222	10849
3.466		4428	1794
3.483		51447	32247
3.513		218093	167254
3.569		17589	10651
3.588		6318	3589
3.624		46986	26284
3.638		22944	11243
3.683		77391	48100
3.694		207641	108081
3.73		236587	186050
3.789		185481	148218
3.828		13184	8585
3.856		120668	91083
3.884		98315	80462
3.905		28914	15239
3.98		143380	103269
4.004		50202	32159
4.035		58490	40933
4.071		148424	157195
4.11		49941	39732
4.156		8451	7665
4.195		12574	9852
4.229		104282	72441
4.249		140453	89213
4.272		161712	113501
4.298		5535	3532
4.331		9464	11745
4.378		123236	98185
4.4		60604	46039

RT A	Compound A	Height A	Area A
4.456		1202	792
4.48		4669	3521
4.522		27183	28515
4.575		34711	31166
4.606		19406	13908
4.636		56331	48079
4.679		2541	2251
4.72		32452	28973
4.759		6776	7457
4.809		5876	5096
4.851		37086	35223
4.88		17499	13979
4.929		4960	6915
4.958		4572	3131
5.009		2640	2557
5.05		38130	39872
5.121		38525	36712
5.167		10403	9599
5.207		4109	3552
5.27		1910	1740
5.392		4566	8472
5.435		885	587
5.452		1928	1158
5.474		1385	897
5.531		31908	32003
5.578		1773	1333
5.653		64155	69583
5.838		7857	8530
5.883		2287	3604
6.025		66452	66922
6.089		64701	59127
6.109		6909	4823
6.27		1919	1961
6.394		1507	1643
6.438		796	965
6.469		34768	37300
6.615	DCB	2695301	2808775
6.898		645	474
7.072		2378	2442
7.307		730	17129
8.087		798	4219
8.483		738	1304
8.682		3481	7160

LANCASTER LABORATORIES

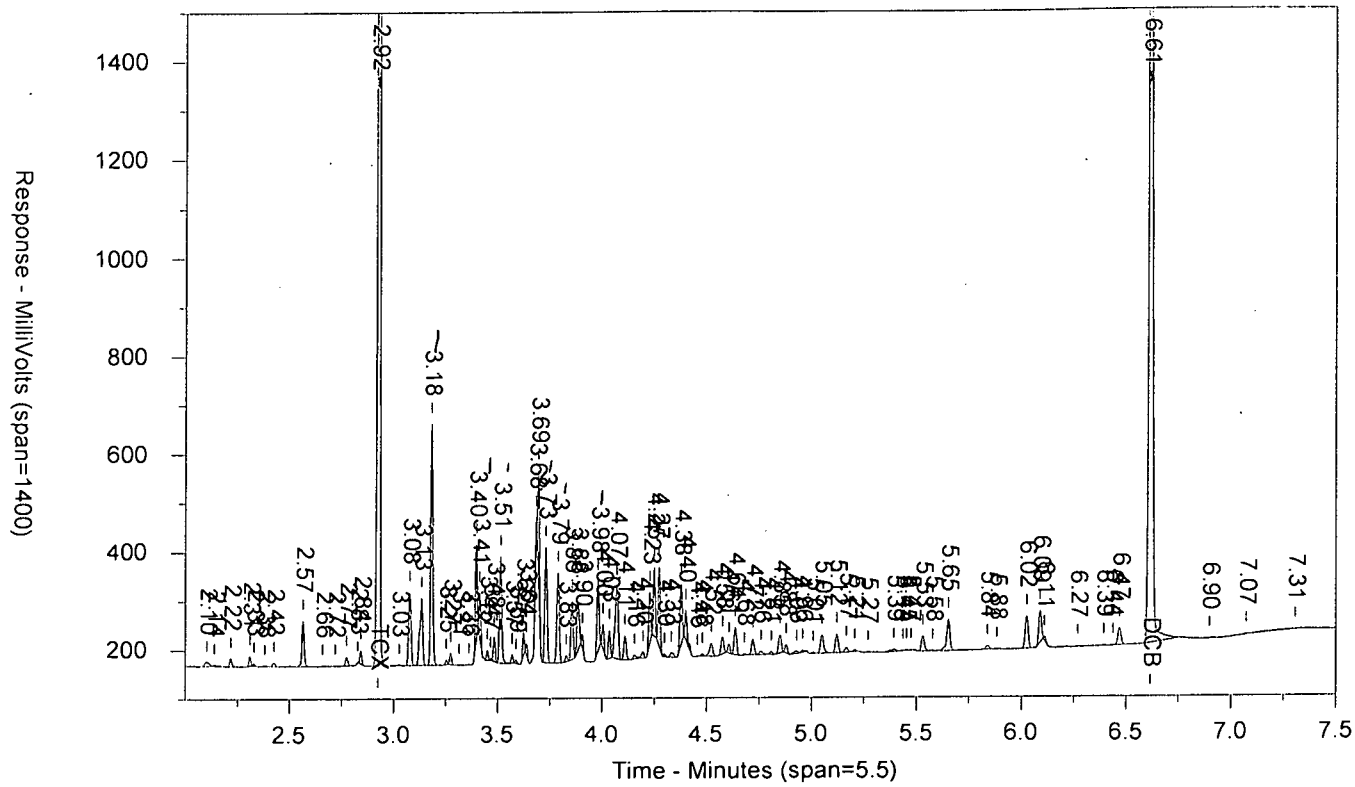
Sample Number: AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:06:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.025.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		16035	19019
2.054		41151	27853
2.156		17083	12019
2.239		19201	31361
2.271		3147	2844
2.299		456437	297252
2.364		3212	4722
2.412		13572	17068
2.479		4362	2939
2.494		13761	13249
2.527		14506	14392
2.545		53034	27949
2.571		147595	88631
2.592		3102	1212
2.615	TCX	28606420	16561320
2.658		248180	194796
2.786		912757	582957
2.832		242205	108892
2.846		599657	311179
2.898		2771218	1672720
2.948		72760	42752
2.987		6327	2911
3.009		143599	86678
3.086		5630	2719
3.105		920442	452925
3.116		317046	112597
3.156		138385	108392
3.177		85245	49603
3.203		314203	178367
3.227		1339343	879204
3.263		60034	35644
3.291		129800	65083
3.31		354594	182395
3.325		296564	145768
3.355		5219	2767
3.375		810076	352519
3.385		1507265	645072
3.405		51107	18150
3.418		1198255	799661
3.493		1472147	917591
3.528		847493	530724
3.552		998344	551907
3.57		331832	169775
3.656		1175078	759110
3.678		402038	221903
3.7		389493	223041
3.728		266938	134193
3.745		1054047	626924
3.786		376268	275048
3.834		70622	48998
3.855		701464	437401
3.878		1331220	846427
3.903		1244278	761213
3.922		51805	21258

RT B	Compound B	Height B	Area B
3.94		34131	18176
3.961		28739	13146
3.976		239314	151665
4.011		769312	536638
4.039		544526	331786
4.074		53249	67826
4.121		147816	120274
4.154		15472	9268
4.177		228877	159296
4.21		143242	96454
4.238		372428	275339
4.277		10551	10249
4.315		40522	20751
4.332		144562	94854
4.367		42311	29383
4.399		244472	175371
4.422		8809	3649
4.442		119785	84097
4.467		40344	25086
4.49		19941	13099
4.568		61036	87352
4.618		233396	185423
4.67		234544	187064
4.697		53473	42755
4.729		9620	4779
4.768		13538	13244
4.842		13149	20919
4.868		4330	4982
4.919		31417	24578
4.943		17803	12556
4.988		32215	36899
5.03		7326	5355
5.064		174059	142957
5.113		41987	34621
5.186		404596	350869
5.304		3130	2254
5.329		14515	12942
5.373		38763	41300
5.529		470566	398756
5.597		543706	461216
5.646		140000	124920
5.751		10839	8895
5.903		4111	3556
5.951		229364	201810
5.983		6409	4208
6.003		4269	2839
6.11	DCB	18891000	16397950
6.292		5816	10326
6.562		15023	17271
6.715		1423	786
7.332		1381	3828
7.427		1586	1537
7.546		1876	3219
7.681		1144	8275
7.715		1590	1479
8.217		16578	27774
8.468		1431	1779

AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.025.RAW



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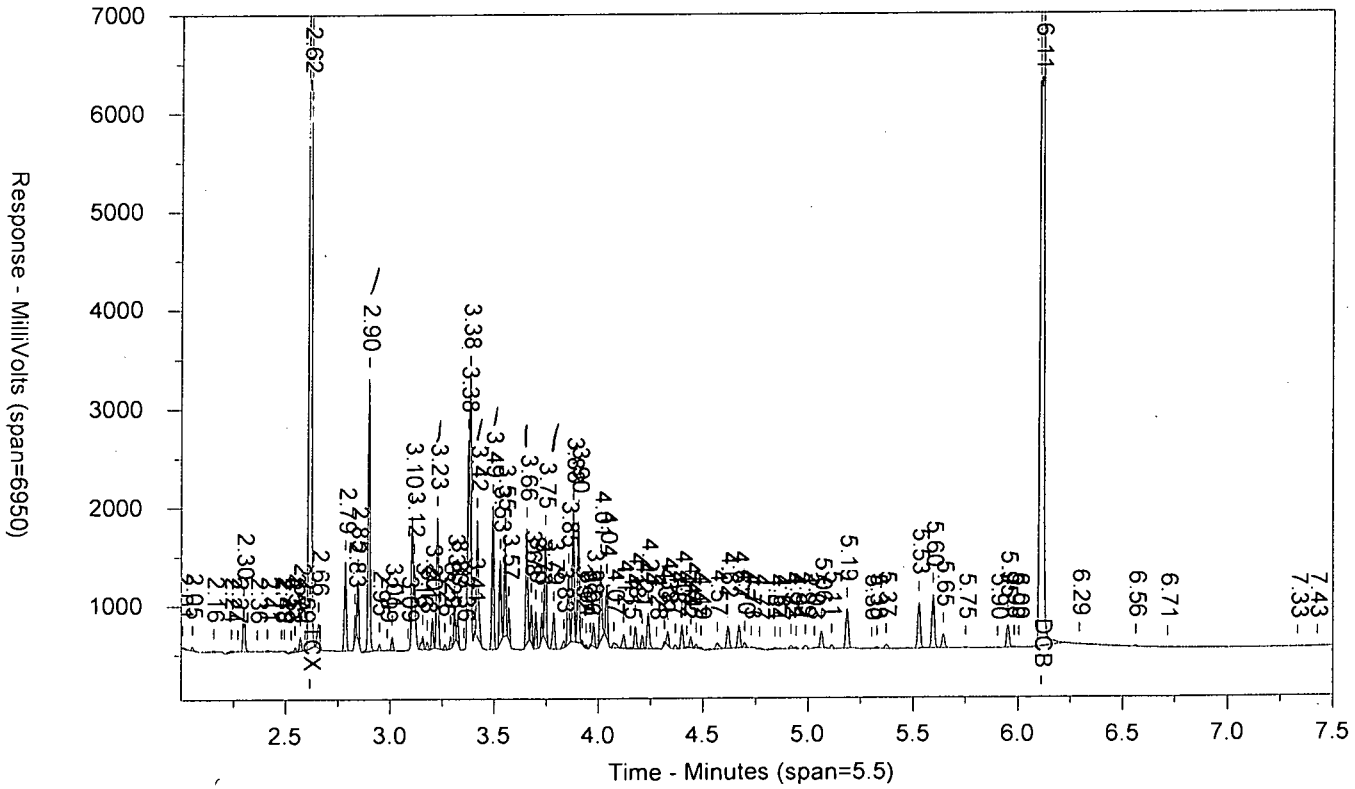

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:06:30 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4693937	41.305	TCX	2.615	28606420	41.38	TCX
6.615	2695301	39.167	DCB	6.11	18891000	38.776	DCB

Files:
Area File: 20pcbs17137001.025.RAW
Area File: 20pcbs17137001B.025.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:15:15 PM
File Reported On: 5/17/2017 at 9:15:22 PM

AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082

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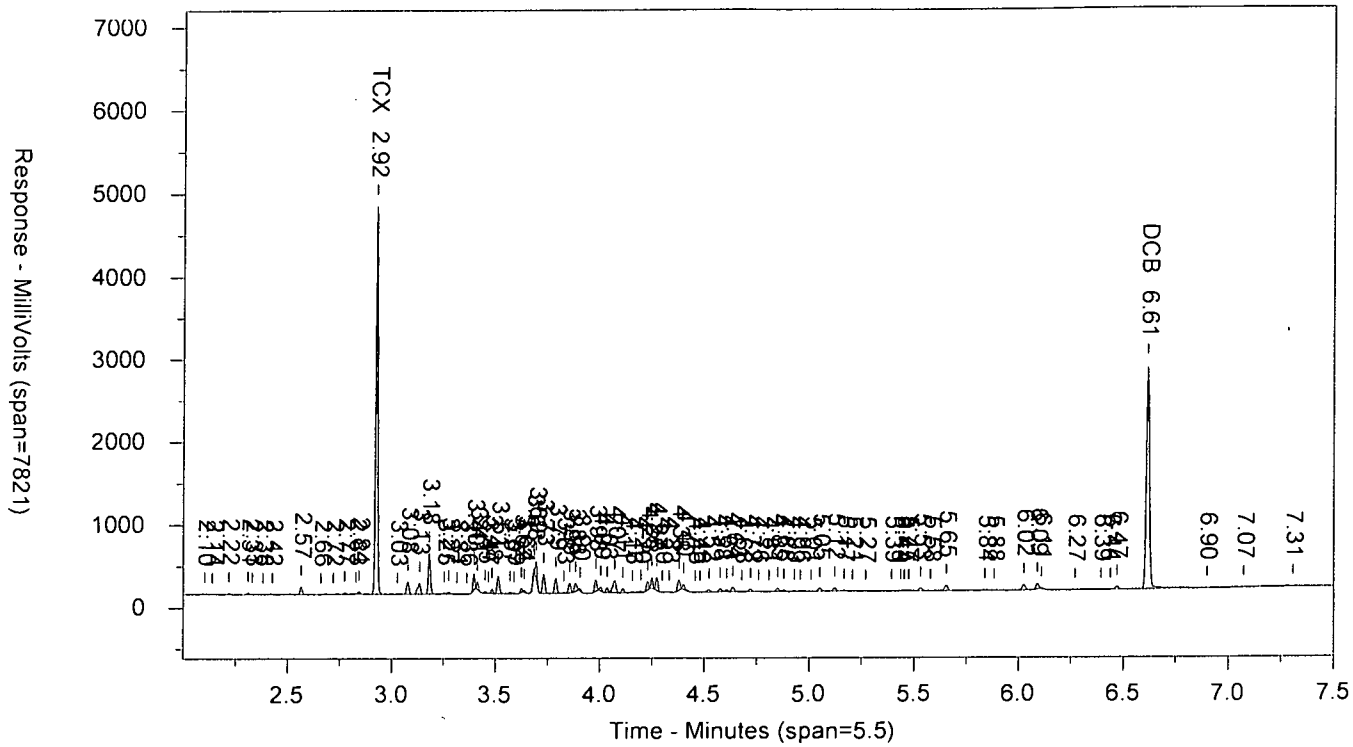

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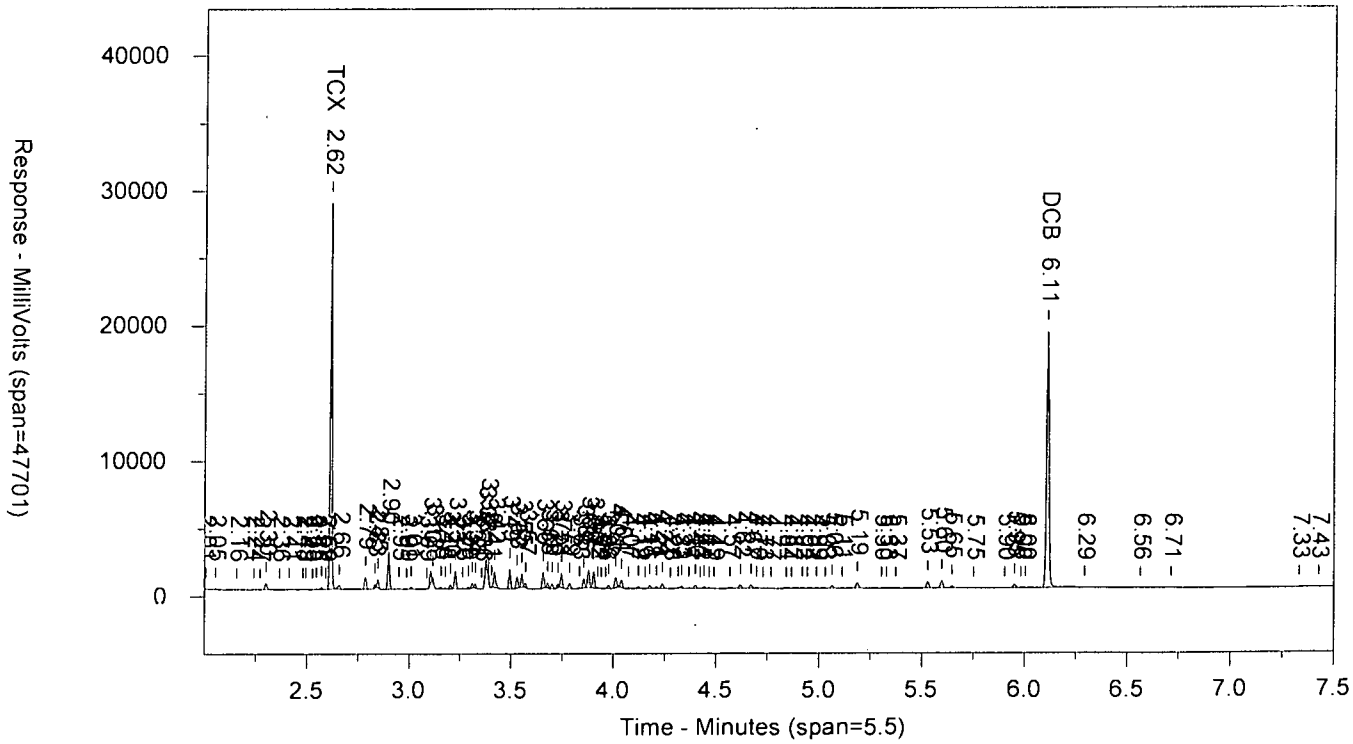

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:17:58 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.026.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.013		804	1563
2.103		3352	5432
2.217		16133	12696
2.309		7766	4695
2.328		5537	3478
2.38		1337	1490
2.424		2991	2549
2.502		2872	1923
2.549		1140	493
2.565		4340	2884
2.662		1552	1668
2.774		6971	5628
2.827		2023	1268
2.923	TCX	4631099	3086027
3.026		1126	564
3.076		73236	62529
3.132		81517	92374
3.181		351560	252396
3.253		8727	4925
3.274		44051	29288
3.313		1130	915
3.396		347157	206579
3.412		150754	79157
3.45		37706	22135
3.466		13267	5559
3.482		28312	16391
3.513		380135	283125
3.549		1514	814
3.568		14507	8357
3.587		19165	11315
3.622		76340	44692
3.637		37618	18026
3.682		136418	84322
3.693		335248	178458
3.729		427632	324685
3.788		334814	255329
3.827		27962	19319
3.855		230132	167074
3.883		172185	146966
3.904		53361	28668
3.979		273708	195270
4.003		93073	60150
4.033		103220	77325
4.069		279736	288602
4.109		90820	74267
4.154		16918	12844
4.194		23649	19505
4.227		201017	138752
4.248		254188	163003
4.271		311358	220991
4.296		3285	1811
4.335		19768	25004
4.377		225958	189435
4.399		100309	87288

RT A	Compound A	Height A	Area A
4.456		3089	2194
4.478		10937	8065
4.521		56523	53480
4.573		80134	69974
4.604		46054	34082
4.634		127022	109073
4.682		1483	1158
4.72		63384	57552
4.757		5542	3834
4.807		14269	12802
4.848		95458	87025
4.879		20098	15687
4.929		9222	10197
4.956		6837	4940
4.974		4554	2920
5.004		3463	2955
5.048		92229	87351
5.09		2208	1441
5.119		39214	37097
5.165		23876	21005
5.205		3038	2148
5.375		8678	8885
5.43		1078	884
5.471		1065	678
5.529		31364	30375
5.574		6096	5096
5.651		55377	55329
5.689		1131	978
5.837		4254	5116
6.023		58405	58143
6.088		57343	51122
6.11		8961	5097
6.221		3585	18000
6.274		1239	2496
6.385		2035	2862
6.467		33888	35694
6.614	DCB	2951359	2880783
6.672		2260	2557
6.853		1077	444
7.072		2838	3906
7.343		1384	28021
7.818		664	1969
8.68		3324	3133

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:17:58 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.026.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		2581	3497
2.054		39793	28734
2.118		3468	4422
2.157		7643	7965
2.186		2144	1006
2.204		20325	11353
2.238		11618	14156
2.272		3858	2859
2.3		26676	19751
2.34		2069	1198
2.41		10967	12148
2.453		2991	1591
2.476		4424	2819
2.529		13621	17031
2.546		25075	11997
2.571		9959	7830
2.615	TCX	27657480	16482220
2.658		153117	107887
2.704		5062	6848
2.785		455176	308119
2.833		258018	123128
2.846		325360	158120
2.898		1944532	1191914
2.948		67041	39764
3.009		250375	157207
3.067		1666	754
3.105		1590042	785119
3.116		538273	203353
3.156		253244	154327
3.177		157418	90314
3.203		205007	111447
3.227		2322301	1524464
3.263		144568	85674
3.291		103514	48978
3.309		592287	307414
3.325		382233	187710
3.353		5959	2604
3.375		1149152	513737
3.385		2651174	1120307
3.405		99681	39696
3.419		2283706	1518940
3.493		2610073	1583933
3.528		1644481	994787
3.551		1882698	1039464
3.569		631464	314126
3.655		2148996	1422633
3.677		773919	421048
3.698		787452	465017
3.728		519815	273301
3.745		1924911	1138926
3.785		691936	512848
3.832		144696	99743
3.854		1301849	823520
3.877		2567319	1627013

RT B	Compound B	Height B	Area B
3.902		2224092	1402401
3.922		111054	51885
3.94		97206	51692
3.96		48019	21116
3.976		523752	332815
4.011		1483237	1043618
4.039		1014942	603760
4.073		13474	8958
4.085		55766	31158
4.12		351308	272794
4.153		21781	12660
4.177		580706	437425
4.209		345104	238976
4.237		846849	604708
4.275		14412	14002
4.314		70534	37580
4.331		291070	191407
4.366		98269	70418
4.398		612854	448323
4.422		12300	5347
4.441		134424	88992
4.465		54171	31774
4.49		53181	39036
4.565		72847	65981
4.592		8926	4727
4.617		562128	441404
4.669		204960	162547
4.696		154251	137028
4.743		24886	18296
4.842		13453	19749
4.883		8808	6889
4.917		13833	9615
4.942		61480	48497
4.985		24305	24313
5.027		7496	4276
5.063		177404	140568
5.089		31445	20516
5.114		7132	4967
5.131		6889	4386
5.186		370585	313818
5.244		6540	6205
5.308		2479	2299
5.328		13893	47702
5.413		11014	40670
5.446		2161	2054
5.47		3711	3375
5.527		392424	342023
5.596		464362	410557
5.644		131930	120734
5.779		10583	30996
5.861		5706	18367
5.907		7326	7270
5.95		236363	198790
5.981		10782	7781
6.11	DCB	20304630	17259270
6.247		5015	4657
6.29		7104	25138
6.561		17587	16084
6.719		1275	1243
7.3		2053	1523
7.436		3326	10245
7.614		1745	2422
7.682		1695	3730
7.798		2004	2649
8.14		1621	1545
8.218		16549	31338

RT B	Compound B	Height B	Area B
8.664		4552	10743

AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082

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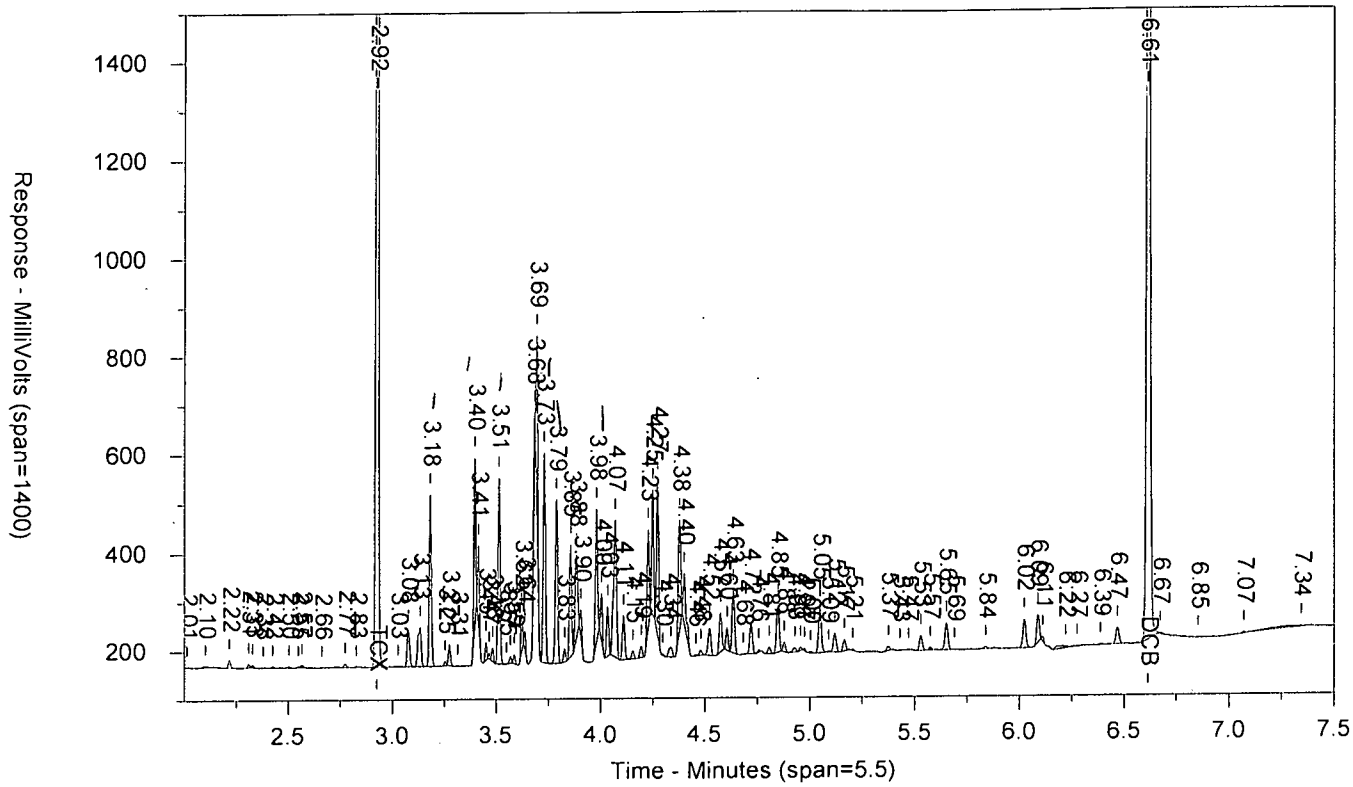

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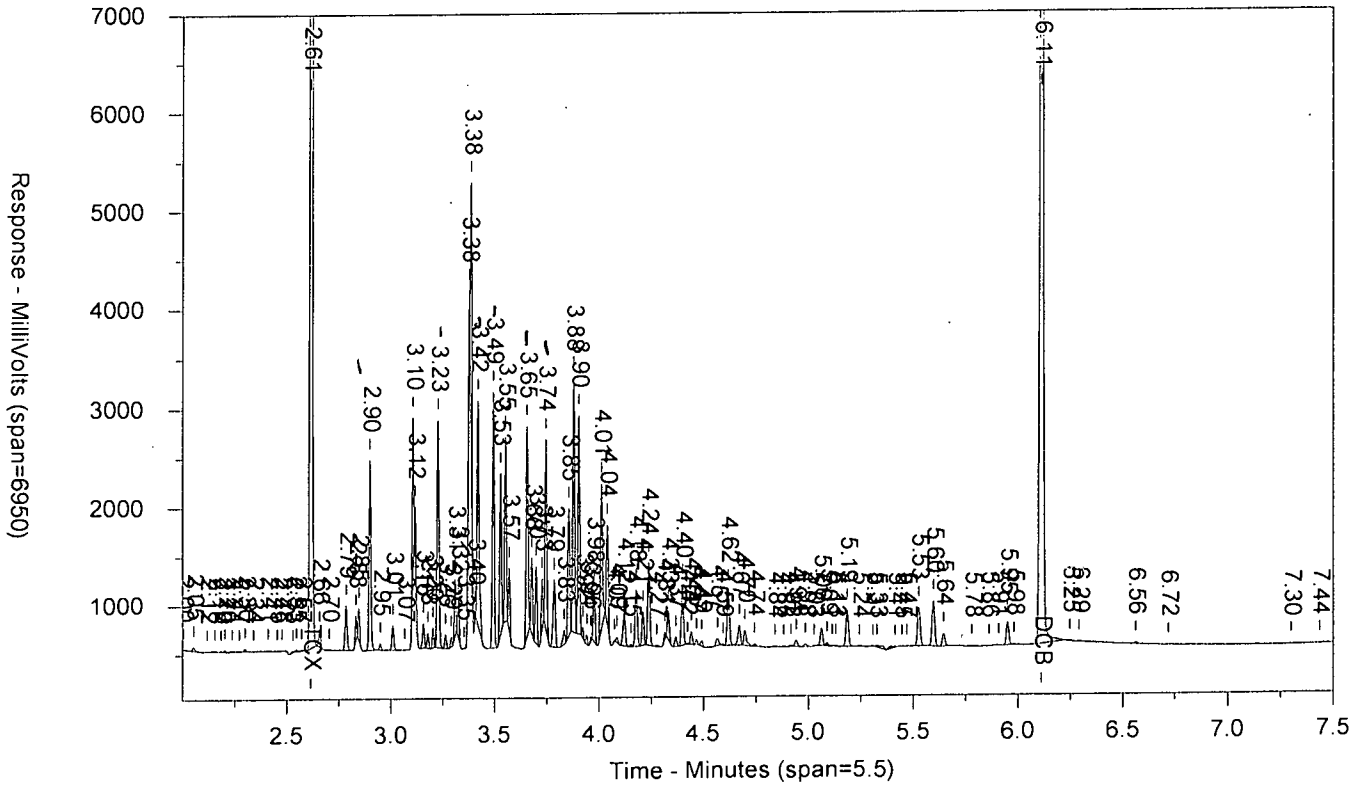


LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:17:58 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

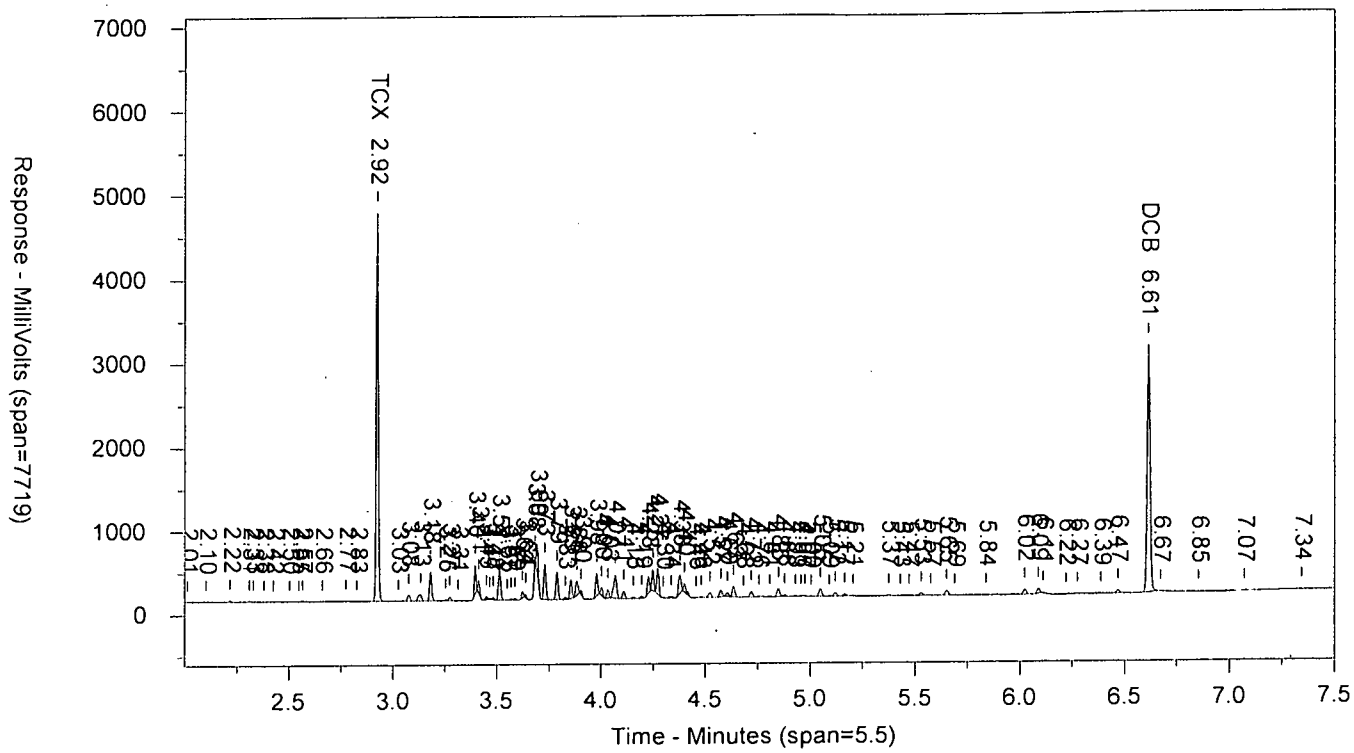
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	4631099	40.752	TCX	2.615	27657480	40.007	TCX
6.614	2951359	42.887	DCB	6.11	20304630	41.678	DCB

Files:
Area File: 20pcbs17137001.026.RAW
Area File: 20pcbs17137001B.026.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:26:41 PM
File Reported On: 5/17/2017 at 9:27:00 PM

AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.026.RAW



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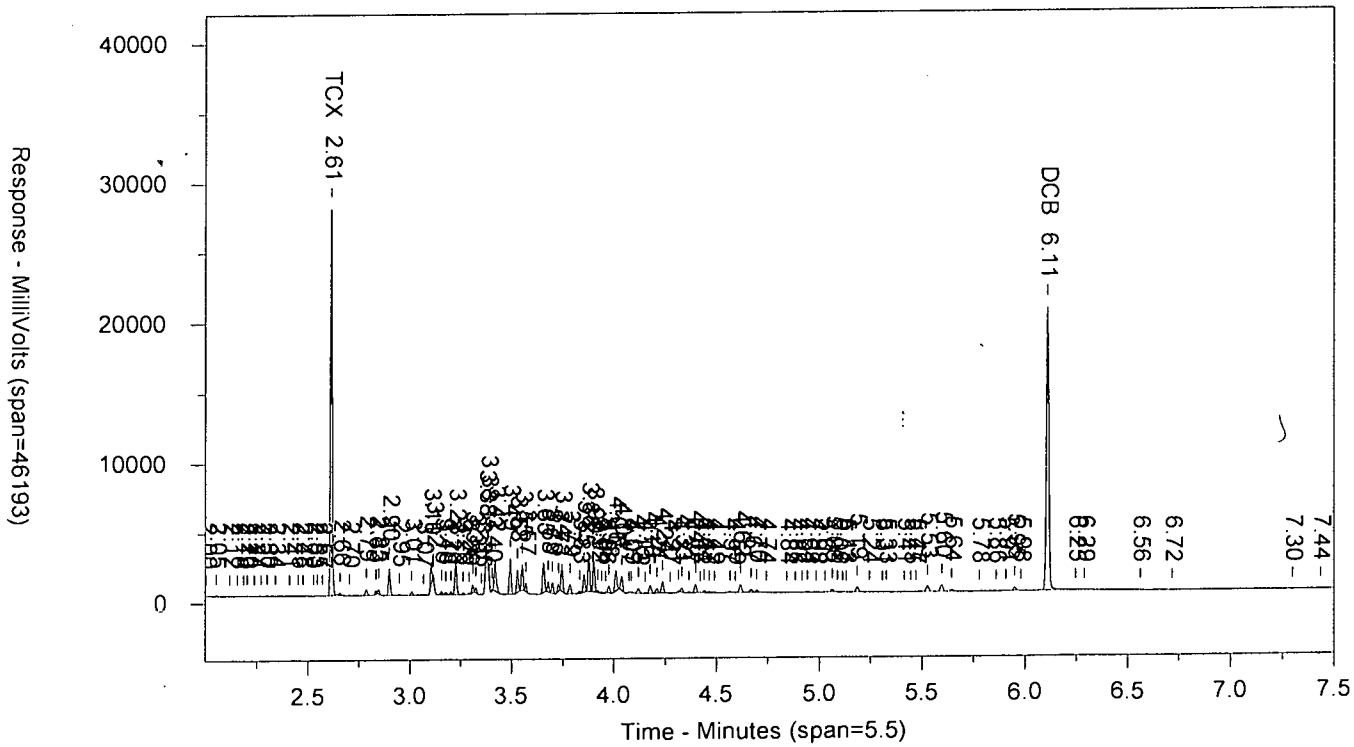

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:29:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.027.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		4889	7813
2.139		1851	2705
2.217		19199	14201
2.309		12148	7366
2.328		6105	3623
2.379		1371	1706
2.424		5147	4349
2.516		981	658
2.549		1872	1159
2.565		4901	3139
2.66		1667	1567
2.704		702	410
2.774		23989	19834
2.825		2706	1640
2.923	TCX	5224759	3548644
3.025		1268	823
3.076		90159	75246
3.133		109020	114357
3.182		445984	329501
3.254		8790	4965
3.275		58183	39481
3.315		1854	1502
3.364		2753	1959
3.397		453276	278419
3.413		202653	108329
3.451		54012	30805
3.466		15689	6633
3.483		40338	23177
3.513		496854	387058
3.549		1657	860
3.569		18623	10777
3.588		14751	8961
3.624		102296	61212
3.638		50078	24074
3.683		207697	119414
3.694		496861	259672
3.73		567327	429415
3.789		451778	357624
3.828		38601	26847
3.856		305625	224342
3.884		241561	202067
3.905		74202	43235
3.98		361716	265499
4.004		127818	81966
4.034		145847	104677
4.071		361875	381648
4.11		120093	99399
4.156		16521	13349
4.195		23603	20816
4.229		137539	97962
4.249		115535	74984
4.273		102773	71797
4.298		5880	3842
4.336		3958	4670

RT A	Compound A	Height A	Area A
4.378		35483	30492
4.4		5347	2666
4.477		1188	789
4.52		4253	5884
4.573		4791	4614
4.636		1957	1888
4.721		1765	1311
4.852		1987	1916
4.881		23447	20161
4.921		3541	4478
5.007		1871	1330
5.048		1966	1742
5.068		2034	1279
5.121		42538	43106
5.167		1068	930
5.208		3415	3871
5.381		4060	12014
5.41		707	432
5.435		1987	2934
5.473		2209	3175
5.531		35965	35953
5.601		2942	3002
5.653		65990	65728
5.84		3553	4494
5.88		1709	2193
6.024		67035	65793
6.059		14061	10890
6.089		67559	57292
6.11		10948	7516
6.215		10541	27271
6.268		5106	10569
6.396		1286	1714
6.436		1222	830
6.469		39822	39844
6.615	DCB	3073630	3291043
6.744		1787	1469
7.076		2210	2430
7.349		957	29598
8.27		664	489
8.382		389	2275
8.516		893	316
8.682		1945	1638

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:29:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.027.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		4806	5388
2.054		47727	31835
2.119		2968	2549
2.156		8100	8224
2.238		11418	19648
2.274		8915	4848
2.3		30225	19665
2.41		16923	16002
2.494		58836	128042
2.528		23384	29730
2.546		71819	43180
2.57		10616	6950
2.591		3117	1489
2.615	TCX	33005770	18905610
2.658		208709	141400
2.759		2510	1383
2.785		543149	356745
2.832		269827	128168
2.846		426091	214019
2.88		7167	3748
2.898		2553899	1541069
2.948		77157	44713
2.986		16085	8347
3.009		337620	204329
3.105		2190742	1071467
3.116		776859	300953
3.156		333749	212227
3.177		197679	112399
3.203		270556	151806
3.227		3271128	2083899
3.263		123465	68984
3.292		118383	56499
3.31		814505	424413
3.325		519971	252604
3.354		8914	4507
3.376		1594821	767255
3.385		3607330	1581576
3.405		127545	45747
3.419		3084391	1967532
3.493		3596888	2233229
3.528		2241483	1374788
3.552		2594920	1424190
3.57		829845	433870
3.656		3159143	1982421
3.679		1062224	575365
3.7		1014689	592834
3.729		723136	358352
3.746		2581542	1524135
3.786		905899	650725
3.834		117531	109881
3.856		684456	437119
3.878		1460233	934873
3.903		732663	440252
3.923		119634	62108

RT B	Compound B	Height B	Area B
3.94		19160	9489
3.963		8979	4460
3.977		57230	34585
4.012		82669	47155
4.026		83549	67338
4.075		53295	46877
4.111		5308	4710
4.134		5489	2739
4.154		35200	47106
4.208		18416	30989
4.239		15230	22220
4.313		4064	2606
4.333		10994	8342
4.371		5697	4423
4.399		11504	7518
4.442		164945	156782
4.532		2767	4081
4.569		7456	5152
4.623		21958	17795
4.645		11676	7333
4.672		161845	123152
4.722		5822	14334
4.745		9987	7295
4.766		3780	4382
4.817		3894	4328
4.844		12279	10847
4.918		13342	10620
4.944		7193	5219
4.986		25200	30280
5.03		6286	4064
5.064		217635	191208
5.107		3058	2260
5.186		438425	376586
5.307		3197	2344
5.33		7926	7137
5.373		7425	7810
5.429		3102	4005
5.475		2609	2718
5.528		493354	493265
5.597		588001	559750
5.646		179075	201452
5.751		3586	9793
5.843		6954	6775
5.905		5212	4809
5.951		270812	226300
5.982		7213	4774
6.004		4059	2985
6.074		2551	2110
6.11	DCB	22203290	19194930
6.208		5395	4375
6.289		4374	3813
6.339		3132	5276
6.562		18293	21632
7.434		1581	1603
7.734		2343	3142
7.849		2566	3980
8.223		17282	31577

AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082

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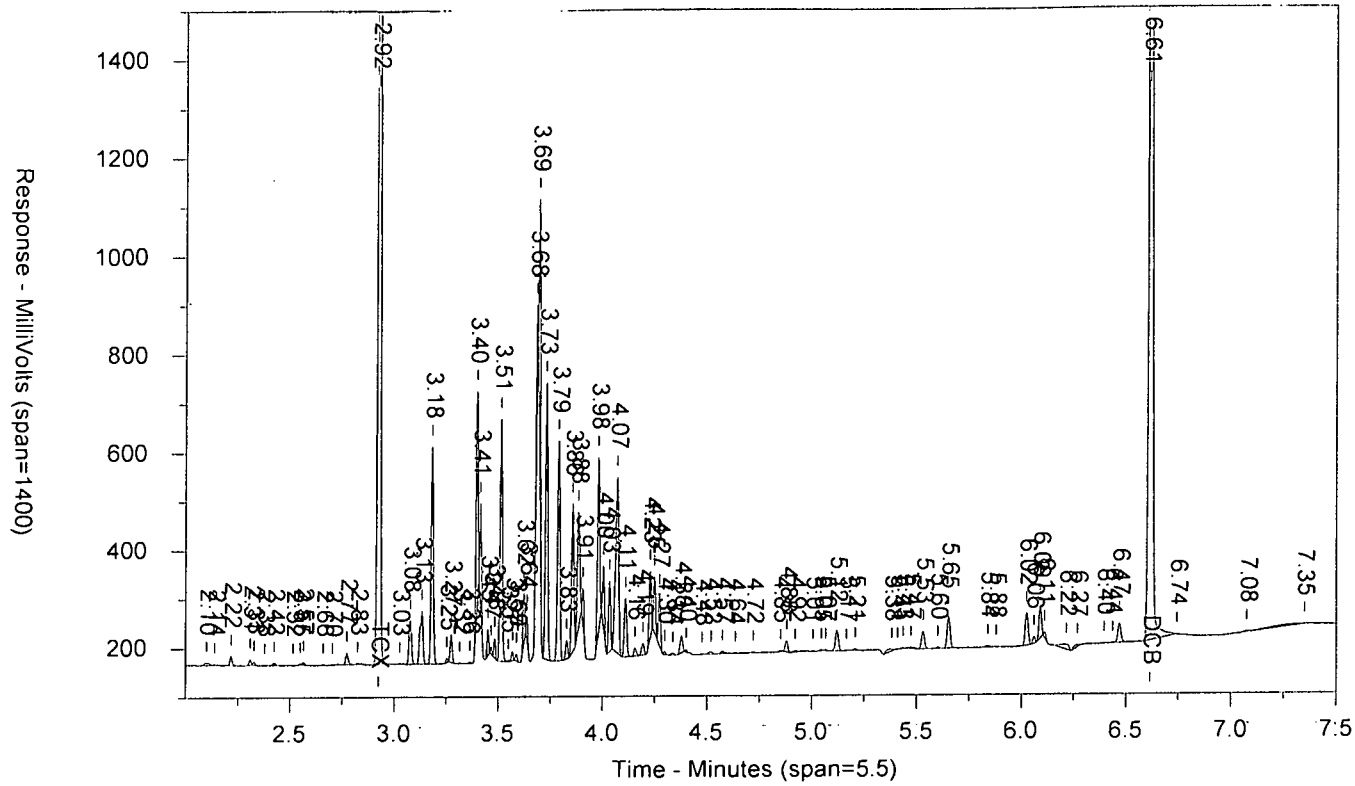

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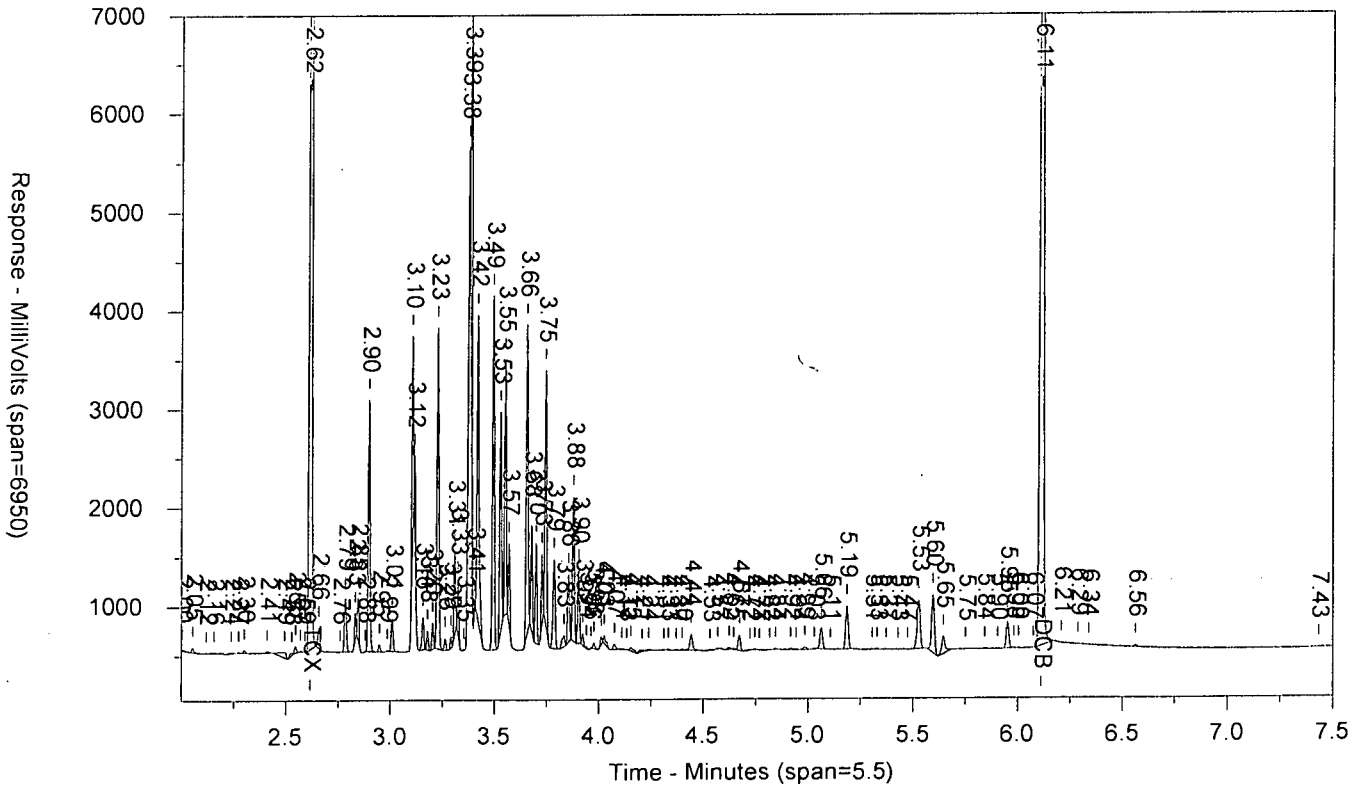

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:29:27 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	5224759	45.976	TCX	2.615	33005770	47.744	TCX
6.615	3073630	44.664	DCB	6.11	22203290	45.575	DCB

Files:
Area File: 20pcbs17137001.027.RAW
Area File: 20pcbs17137001B.027.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:38:11 PM
File Reported On: 5/17/2017 at 9:38:18 PM

AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082

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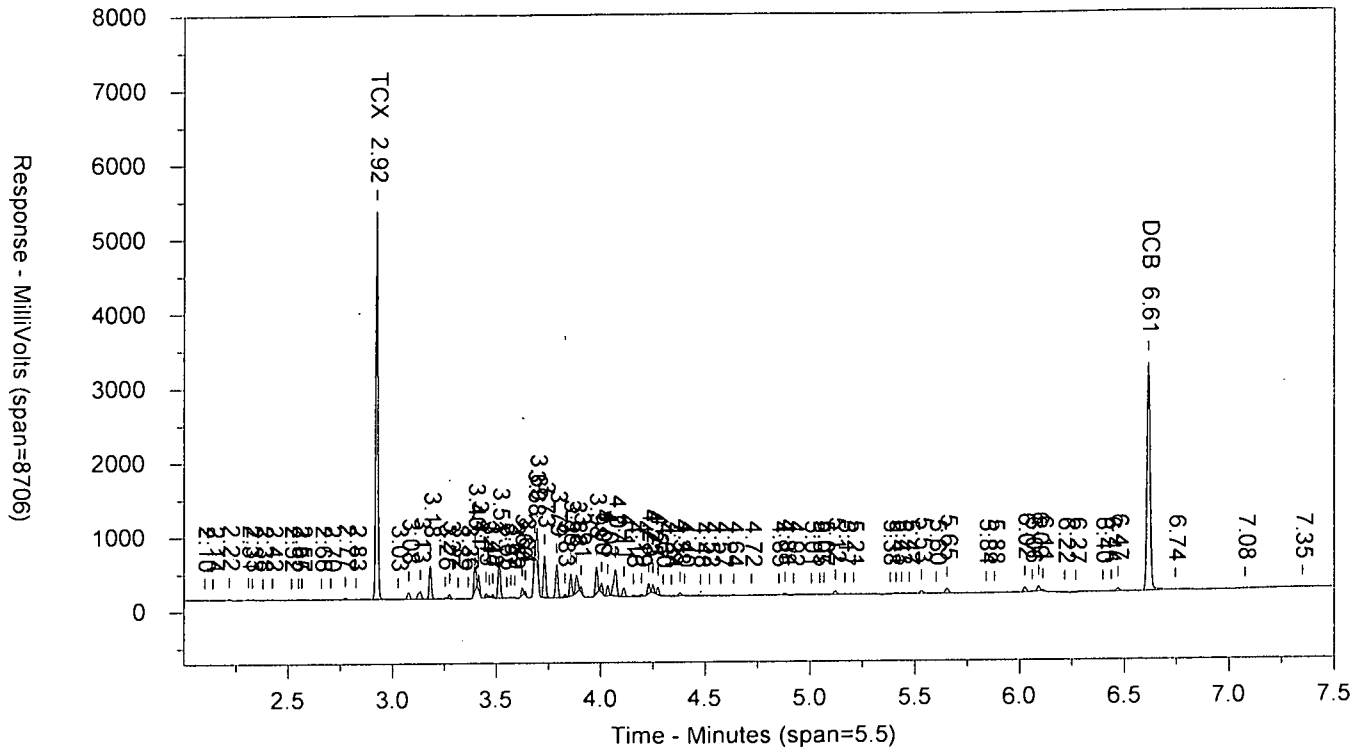

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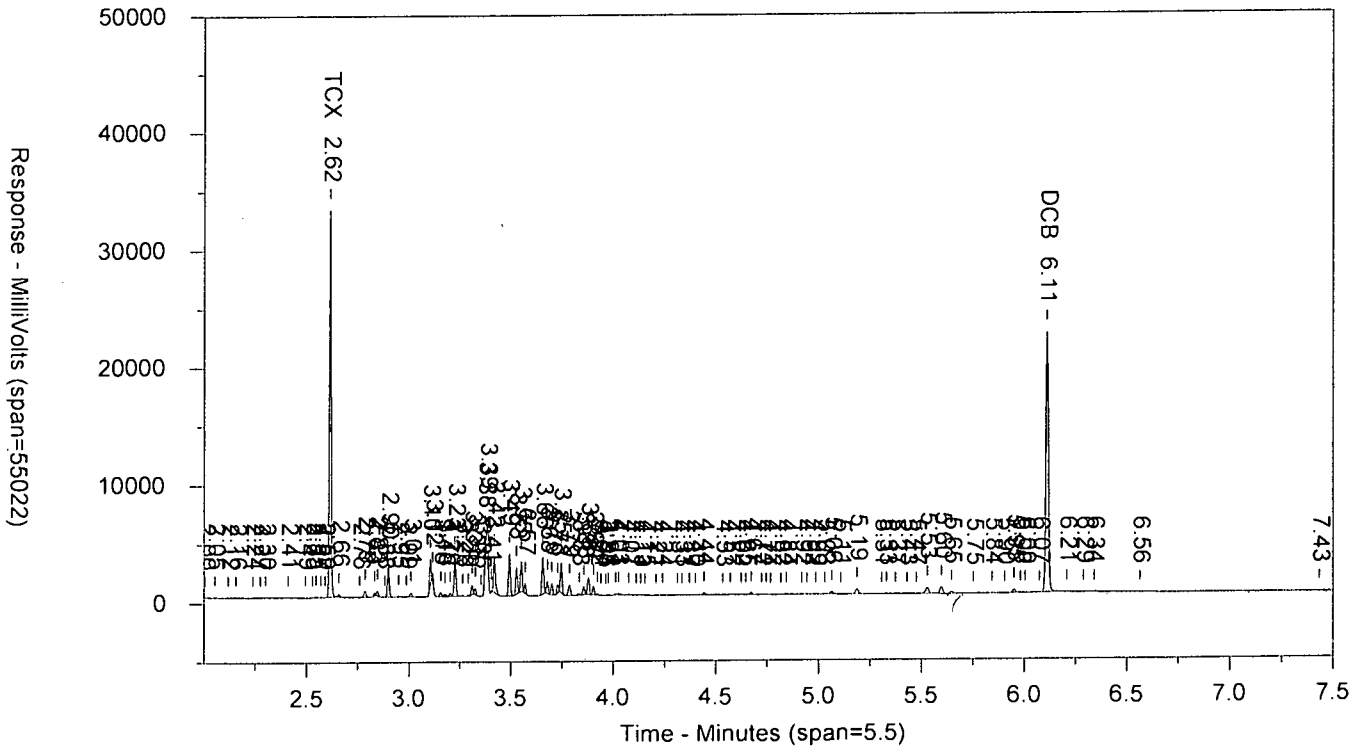

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:40:56 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.028.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.103		4185	7401
2.137		1391	2197
2.31		20450	13886
2.381		1213	1703
2.423		3823	3776
2.549		2790	2133
2.66		1211	1012
2.733		1440	2133
2.774		11713	9206
2.829		4022	3779
2.924	TCX	104337	72458
3.076		4308	3729
3.135		5423	4779
3.182		28781	22230
3.274		2772	2062
3.364		1232	1233
3.397		30287	17941
3.414		12854	6524
3.452		2597	1525
3.484		1901	1199
3.513		31759	25785
3.588		1024	854
3.624		5639	3136
3.668		4004	2265
3.683		14489	7286
3.694		28054	13422
3.73		32426	23976
3.789		25170	18483
3.829		1608	1038
3.856		20196	15239
3.883		14311	11705
3.906		3657	1904
3.98		21330	14896
4.003		6545	4073
4.035		7484	4997
4.07		20566	21314
4.11		5903	4965
4.175		843	771
4.194		2148	1609
4.229		24690	17860
4.249		5718	3227
4.271		4859	3220
4.299		8295	7885
4.338		2960	2639
4.383		27292	25020
4.481		659	634
4.518		5642	7516
4.575		2535	1450
4.59		5359	3437
4.635		16654	14294
4.681		23515	25893
4.72		5401	3728
4.757		54488	50525
4.8		1156	1167

RT A	Compound A	Height A	Area A
4.849		8808	10228
4.905		10306	11094
4.958		62920	78591
5.007		12191	10661
5.05		28920	31826
5.128		6253	8159
5.166		66848	65079
5.227		35367	30563
5.271		21012	21020
5.393		43290	67039
5.451		21444	19900
5.491		10146	9063
5.533		4148	4107
5.577		14111	12728
5.632		88125	93491
5.839		49417	54830
5.892		14476	28099
6.024		2768	3220
6.089		2112	1559
6.111		9173	9127
6.21		8288	24685
6.268		25759	31422
6.314		2032	2478
6.404		1026	1322
6.471		5184	5662
6.616	DCB	73233	76478
7.393		848	59496
8.025		465	945
8.163		613	930
8.312		913	1807

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:40:56 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.028.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		4977	7558
2.114		3388	4692
2.156		13835	35727
2.239		13347	25117
2.301		2268	2249
2.343		2174	1886
2.412		16988	17076
2.476		4048	2808
2.495		11128	9800
2.527		8650	8843
2.546		40077	21128
2.574		2893	3357
2.591		4253	2379
2.615	TCX	634514	365193
2.659		11545	9286
2.697		6686	9607
2.785		28157	18500
2.832		4802	2198
2.846		30918	18989
2.898		167049	111881
2.985		6077	3720
3.009		19093	11158
3.105		143686	71120
3.116		46250	18325
3.157		11553	6963
3.178		14753	10082
3.202		17305	9333
3.227		203321	131696
3.264		7850	4050
3.279		4940	1670
3.31		43655	21110
3.325		115084	61585
3.354		5593	2627
3.375		123175	52857
3.385		207631	86152
3.418		195415	141939
3.493		207284	130396
3.528		158422	94870
3.552		172829	96128
3.57		48518	22938
3.656		187525	120123
3.678		73118	41610
3.7		64543	40300
3.728		44934	22479
3.745		148941	87768
3.786		51369	37895
3.829		11141	11637
3.855		37155	22849
3.877		201499	133386
3.903		40282	22538
3.923		6333	3027
3.94		25749	15107
3.976		178760	122151
4.01		8429	5118

RT B	Compound B	Height B	Area B
4.025		14188	8891
4.074		54168	46662
4.112		8093	4563
4.176		35294	21572
4.221		30461	17572
4.238		43607	21118
4.251		103873	56493
4.276		66204	66069
4.33		362834	275442
4.372		7336	6615
4.399		36966	24780
4.423		79399	58941
4.466		408948	324377
4.526		3971	4442
4.568		322761	328412
4.622		40934	30517
4.658		92399	78858
4.697		387388	340203
4.729		202040	142597
4.768		140512	112872
4.842		5659	8125
4.867		39116	27102
4.919		254328	200179
4.942		36370	23329
4.993		134403	122325
5.028		65858	54879
5.059		47881	40847
5.09		21367	12287
5.113		508939	435556
5.154		12382	8865
5.185		27951	22650
5.305		6296	4250
5.328		118448	96990
5.373		317703	352812
5.528		19472	20452
5.572		11481	8726
5.596		37901	46975
5.646		85827	120960
5.696		2541	2214
5.752		140954	117357
5.783		8283	5699
5.833		4212	3805
5.917		3148	2585
5.951		40935	33426
6.109	DCB	492123	455333
6.232		1616	1149
6.307		1788	2164
6.717		2632	3516
7.556		1816	4284
8.222		16408	31334
8.363		1344	2515

MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082

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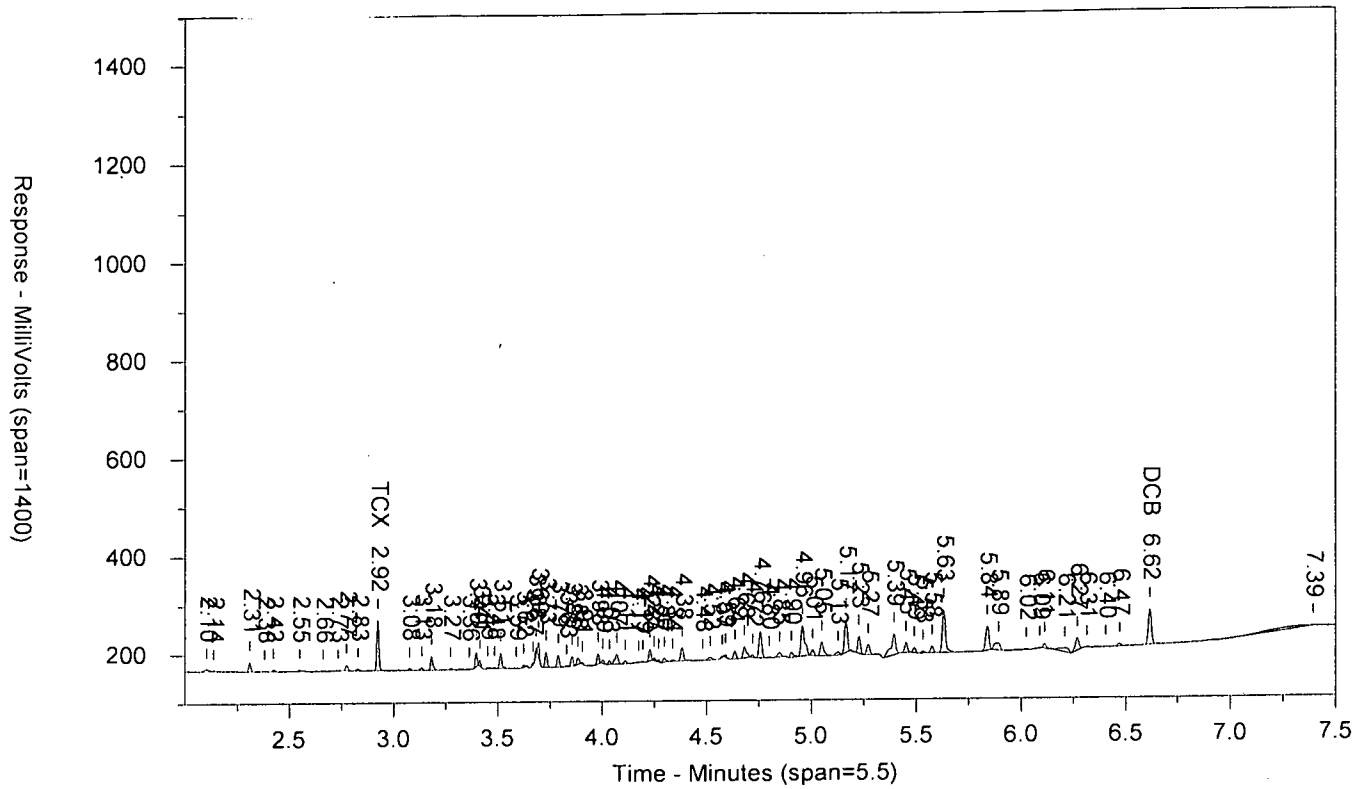

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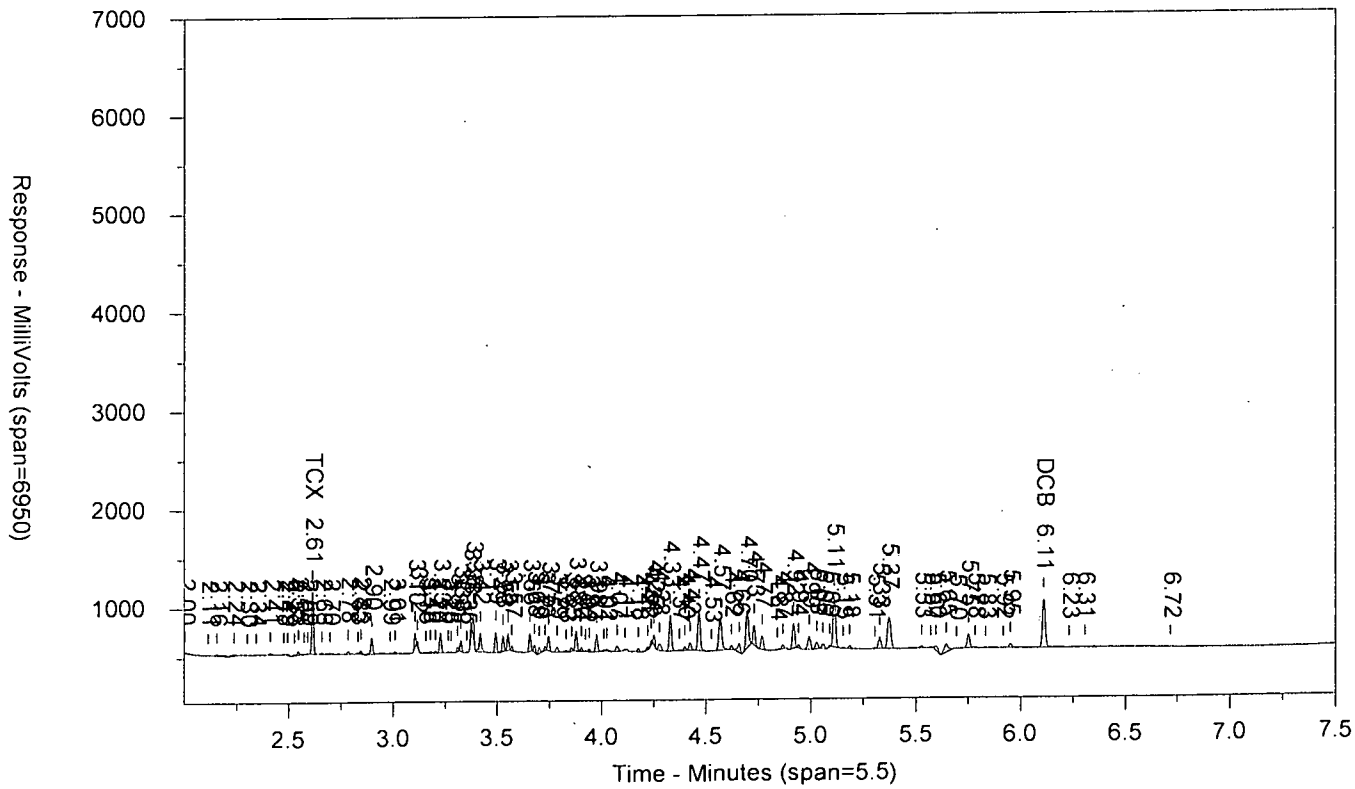

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:40:56 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	104337	.918	TCX	2.615	634514	.918	TCX
6.616	73233	1.064	DCB	6.109	492123	1.01	DCB

Files:
Area File: 20pcbs17137001.028.RAW
Area File: 20pcbs17137001B.028.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:49:40 PM
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MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082

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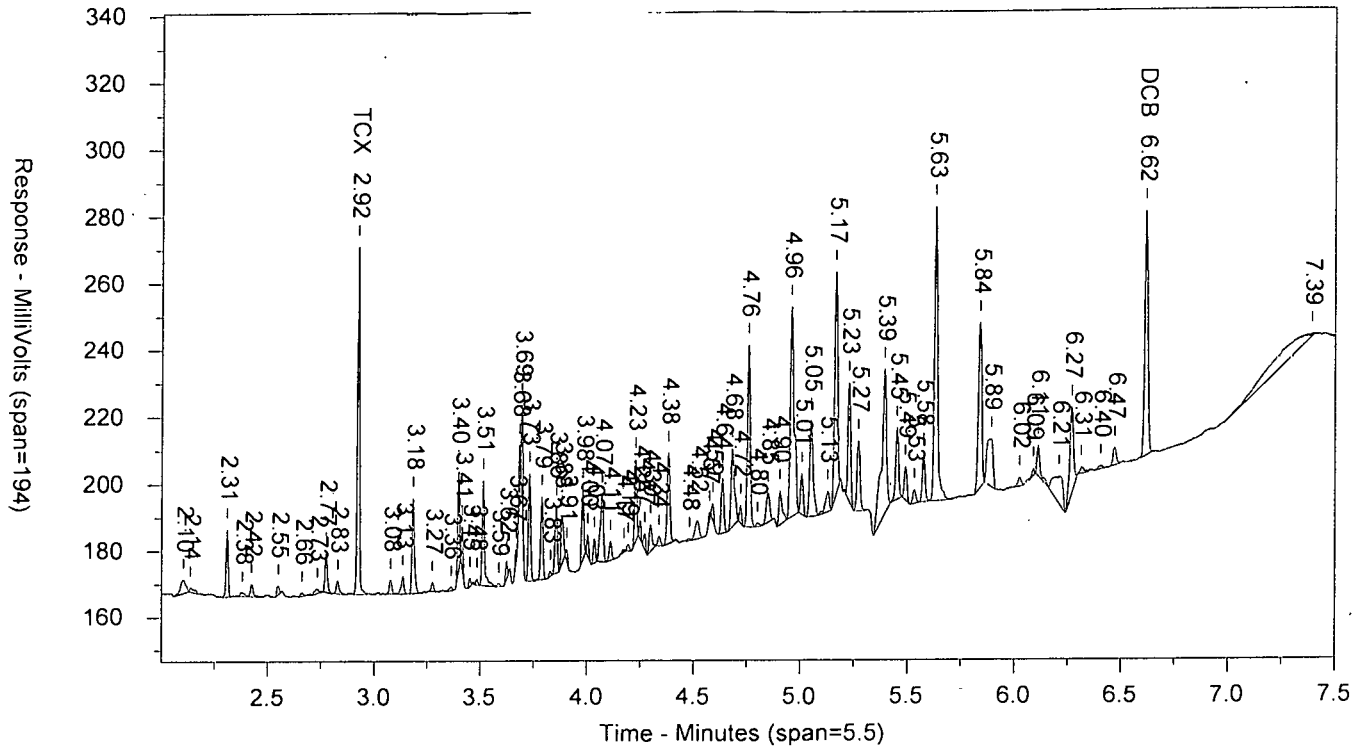

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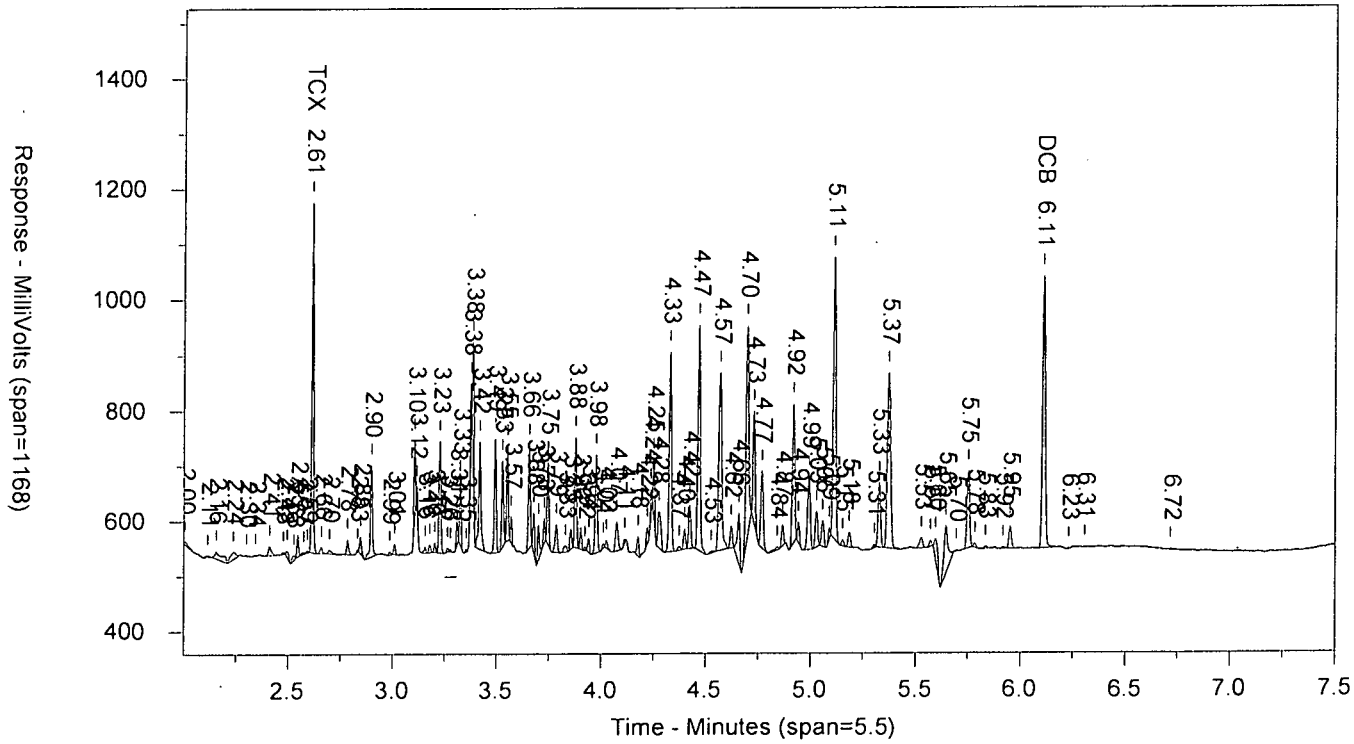

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:52:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.029.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		4145	7393
2.218		16329	12322
2.31		15571	9620
2.329		5136	2848
2.425		3178	2462
2.477		682	477
2.549		1336	802
2.565		4305	2706
2.662		1476	1269
2.722		1219	1494
2.774		19187	15104
2.827		3141	4168
2.924	TCX	4551063	3097022
3.027		1300	1089
3.077		83039	68084
3.133		95784	101172
3.182		413957	299018
3.255		8554	4764
3.275		58253	37747
3.315		2169	1553
3.397		441475	268126
3.414		200931	108215
3.451		51791	28920
3.466		16225	6763
3.483		35602	20736
3.513		477936	361818
3.548		1791	882
3.568		15852	9345
3.587		17790	10553
3.624		101206	56475
3.638		45944	22623
3.683		213347	117389
3.693		432008	222623
3.73		524621	403718
3.789		438907	337817
3.829		35479	25213
3.855		299635	223771
3.883		230688	197487
3.905		61746	33518
3.98		339457	248242
4.004		112799	73126
4.034		126128	90734
4.069		276720	296565
4.11		83987	67329
4.156		8080	5433
4.193		12491	9319
4.228		278314	217359
4.249		41931	22721
4.272		53194	36848
4.296		5011	3540
4.339		47497	40483
4.382		353620	319831
4.417		8058	5054
4.478		5336	4526

RT A	Compound A	Height A	Area A
4.518		75626	77681
4.575		22432	16064
4.589		89237	63378
4.635		209937	181477
4.681		365470	401217
4.718		84519	60221
4.757		811353	757113
4.799		14470	13208
4.847		104233	117864
4.88		24300	16962
4.905		135115	120639
4.957		914616	1167754
5.007		182793	164319
5.051		432552	482880
5.093		6392	3689
5.128		101935	126398
5.165		1057748	1147151
5.228		530716	479808
5.272		324601	317313
5.37		40906	40543
5.393		574254	513012
5.451		288129	287075
5.491		153608	136319
5.532		60338	57041
5.575		192782	189781
5.632		1436554	1545983
5.719		1630	1454
5.839		822771	837952
5.877		83157	90553
5.892		64520	41466
6.024		82656	82942
6.089		60810	45940
6.11		134248	110511
6.269		332981	335409
6.315		22389	21103
6.468		139690	145971
6.616	DCB	2535823	2688722
6.749		1530	1210
6.928		913	2541
7.074		1822	2632
7.366		996	29821
7.936		545	391
8.042		374	1596
8.259		609	2206
8.312		614	677
8.679		3250	3523

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:52:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.029.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		2031	1614
2.054		39027	25088
2.154		9637	11183
2.202		7431	3158
2.238		11306	24866
2.3		27691	19311
2.363		10712	9522
2.411		11060	12621
2.453		4274	2683
2.493		4184	4867
2.527		7091	5872
2.546		63717	39538
2.57		6048	3355
2.589		2261	1136
2.615	TCX	28492550	16492770
2.659		187694	130399
2.696		4728	5946
2.786		499892	333586
2.833		249664	115034
2.846		373180	183501
2.899		2304468	1411858
2.949		66527	39761
3.009		322351	200613
3.105		3059895	2910779
3.156		324246	205947
3.178		195573	109861
3.203		247132	135742
3.227		3037760	1956622
3.264		137142	84912
3.292		101802	48906
3.31		755081	396456
3.325		478599	237411
3.352		5799	2630
3.375		1893682	817239
3.385		3433151	1490273
3.405		121398	48762
3.419		2958058	1915810
3.493		3505199	2106020
3.528		2204346	1354987
3.552		2625198	1427468
3.57		781834	400828
3.656		2817777	1834185
3.678		1019792	535067
3.699		942233	542867
3.728		663838	337417
3.745		1940989	1077435
3.786		621078	438756
3.833		131300	119734
3.855		267377	167491
3.877		2257443	1485614
3.902		343667	203551
3.923		48229	22951
3.941		309922	187917
3.976		2259513	1542534

RT B	Compound B	Height B	Area B
4.01		112149	68577
4.025		153732	97275
4.073		42070	27066
4.112		369094	377199
4.154		35386	20837
4.177		556668	378318
4.22		595693	363388
4.238		396997	197630
4.251		1733271	981147
4.277		1003132	995926
4.329		5612597	4135813
4.372		115793	110012
4.399		387839	257561
4.423		1141861	807237
4.442		39685	14346
4.466		6334442	4707600
4.518		3792	2124
4.569		5133244	4908144
4.622		648667	541488
4.66		1451879	1276893
4.697		6161358	5131987
4.729		3278786	2279513
4.767		2237805	1690688
4.829		8065	9237
4.867		794830	763743
4.918		4212881	3299150
4.942		452315	287772
4.992		2107478	1945486
5.028		1036344	831428
5.059		841636	746072
5.09		262451	155070
5.112		9220518	7486408
5.153		180800	138445
5.186		626744	538893
5.304		106323	64997
5.328		1888249	1567116
5.373		6206865	6538494
5.49		5643	3494
5.528		565995	498753
5.572		134535	92914
5.596		505308	412923
5.645		1141401	993373
5.752		2288098	1926846
5.783		125352	91151
5.951		954898	841165
6.003		3244	1855
6.067		3491	2388
6.11	DCB	17578490	16215750
6.288		10422	18386
6.343		3440	4073
6.562		13078	14394
7.552		1731	3028
7.68		1743	2044
8.223		16889	32104
8.305		1474	1191

IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082

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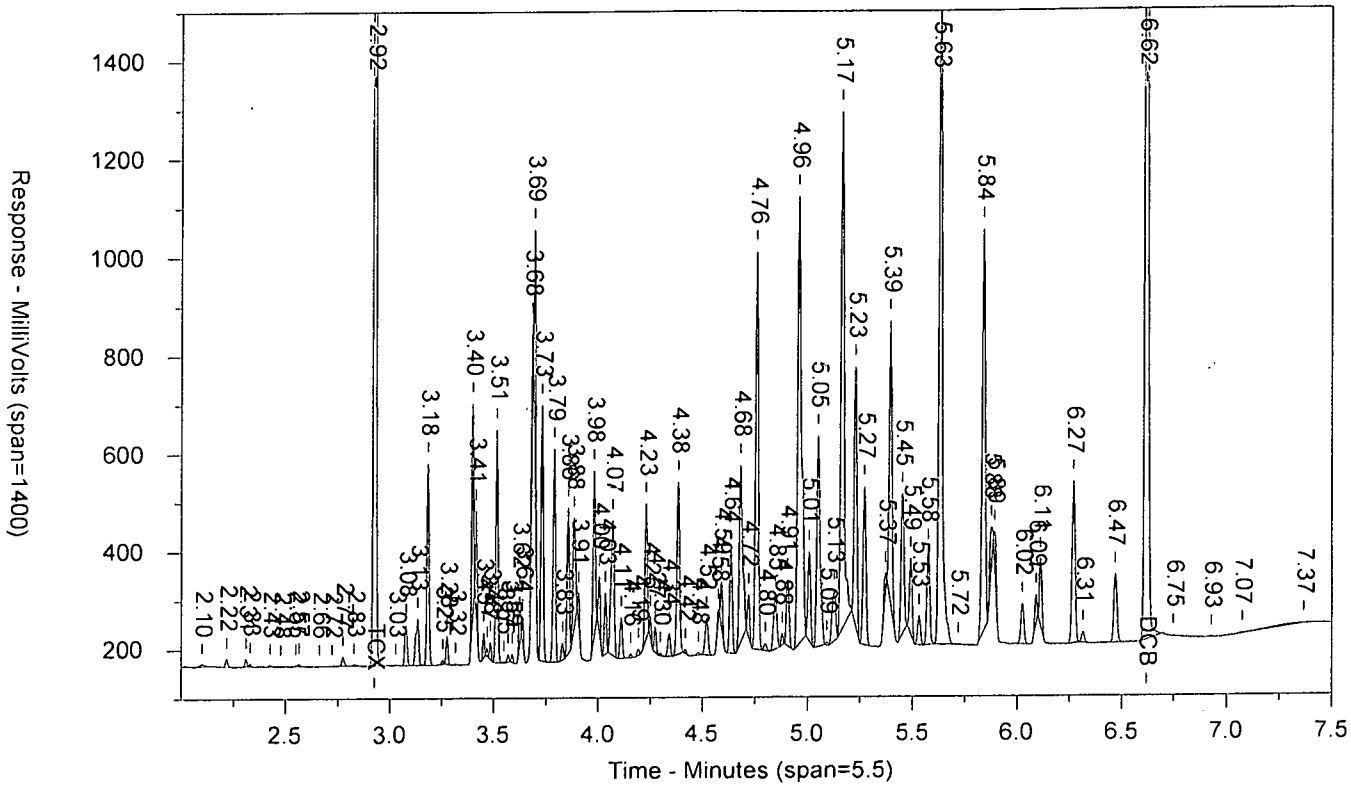

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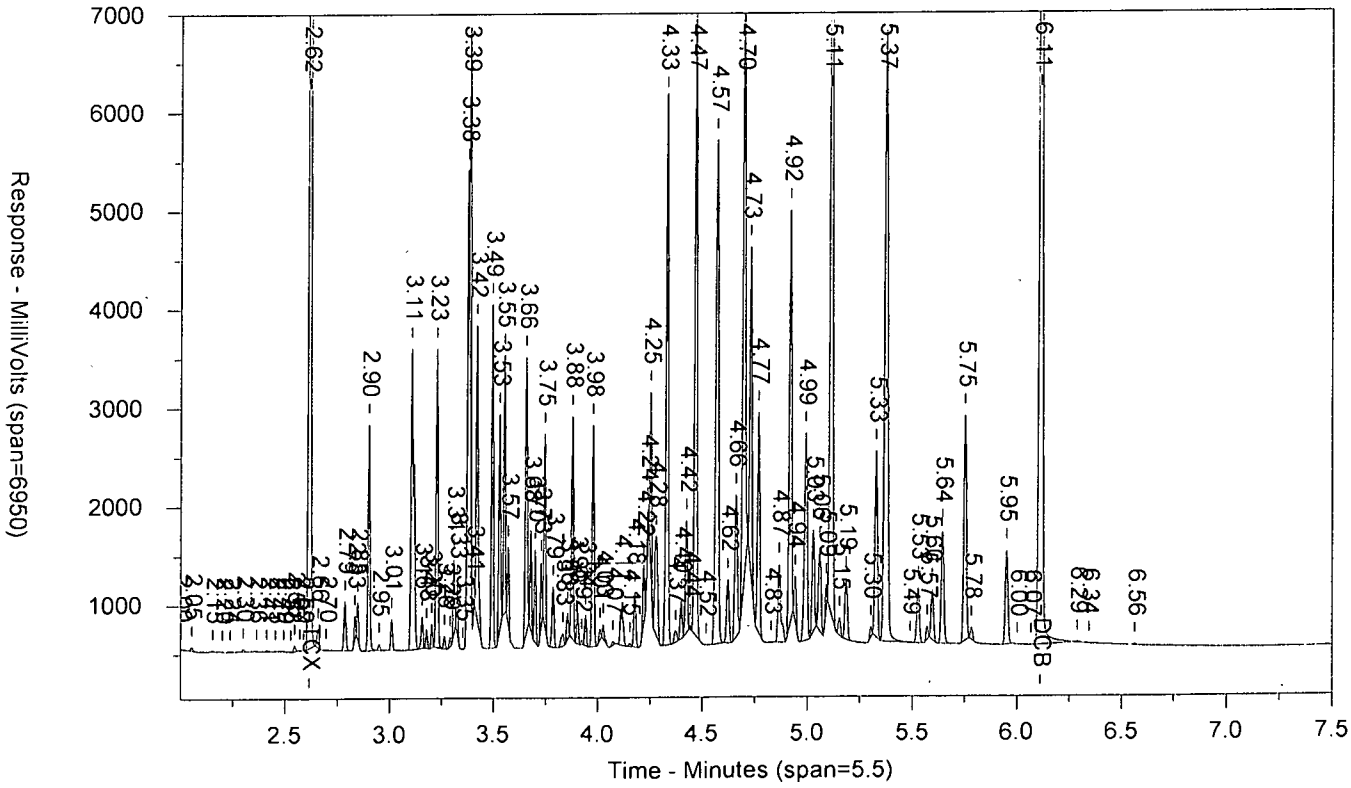

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:52:27 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4551063	40.048	TCX	2.615	28492550	41.215	TCX
6.616	2535823	36.849	DCB	6.11	17578490	36.082	DCB

Files:
Area File: 20pcbs17137001.029.RAW
Area File: 20pcbs17137001B.029.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 10:01:12 PM
File Reported On: 5/17/2017 at 10:01:19 PM

IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082

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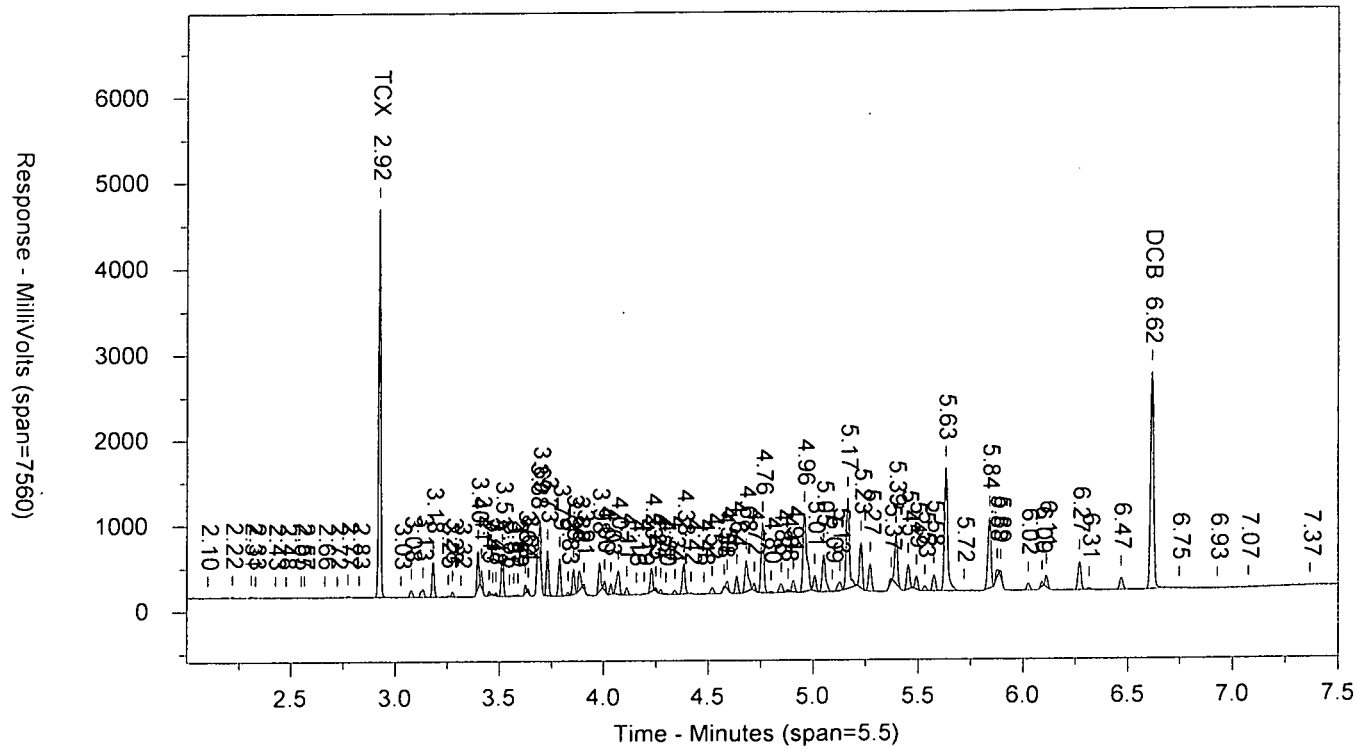

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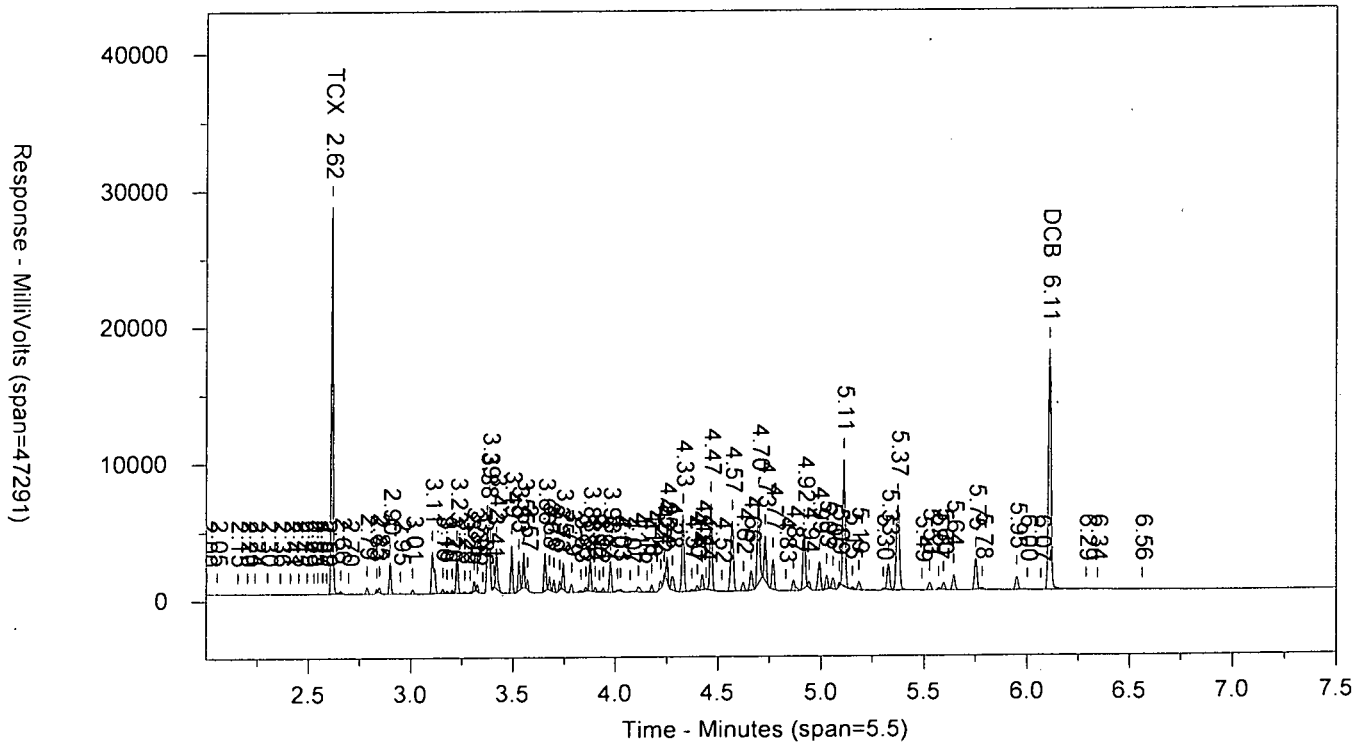

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:03:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.030.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		5699	11729
2.218		15839	11993
2.31		26424	16117
2.329		4749	2434
2.425		3699	2888
2.461		1015	1816
2.504		1214	824
2.551		1792	1273
2.568		1119	617
2.774		24697	20662
2.83		3005	2835
2.924	TCX	4670822	3112688
3.011		1011	455
3.078		17019	14495
3.123		61768	47158
3.182		67573	47290
3.254		9214	5427
3.275		13748	8640
3.397		216984	132408
3.414		60198	31898
3.451		13230	7593
3.467		4670	2140
3.483		2607	1352
3.514		185744	140699
3.569		16545	9272
3.587		13304	7723
3.624		35009	20169
3.638		8116	3713
3.683		164778	89431
3.694		155074	78604
3.73		233498	185672
3.788		228655	183968
3.829		36509	25209
3.856		422380	311718
3.882		276602	228113
3.905		91117	50228
3.98		487449	361536
4.004		137486	88978
4.034		179679	130271
4.07		437553	402626
4.11		148088	115578
4.156		15570	12124
4.195		42958	36990
4.228		409490	285788
4.249		504872	331505
4.272		559698	403331
4.339		51076	46814
4.378		481994	418729
4.4		124790	67493
4.416		67294	37840
4.457		8487	5563
4.479		27675	21943
4.522		147163	137185
4.574		220103	188411

RT A	Compound A	Height A	Area A
4.605		128116	94872
4.635		370920	326558
4.68		4021	2759
4.72		149165	131081
4.757		26934	33569
4.808		37186	32815
4.85		249869	235021
4.88		14927	11176
4.929		21153	25154
4.957		16563	11171
4.974		14648	9995
5.007		1762	1487
5.05		249636	241666
5.092		5152	3898
5.12		38392	38231
5.166		57734	54684
5.205		5316	3437
5.271		1666	1231
5.376		25033	31672
5.452		2295	1769
5.472		1047	599
5.531		29311	28817
5.575		11706	11001
5.601		2582	1671
5.652		52811	61163
5.837		8910	9630
5.881		2455	3745
6.023		57077	57591
6.058		841	428
6.088		58445	51718
6.11		9729	6860
6.269		2045	1780
6.333		3308	3746
6.394		1014	1049
6.469		35272	36479
6.614	DCB	2599218	2640538
7.073		2158	2743
7.384		995	35518
8.048		708	679
8.26		455	1025
8.682		3598	4551

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:03:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.030.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		4566	3995
2.054		48370	59889
2.118		12201	31041
2.156		9722	8504
2.203		11605	5430
2.238		11976	17842
2.273		3344	3748
2.301		4143	3803
2.368		1640	1551
2.411		11919	14148
2.477		3673	2743
2.547		74267	45740
2.571		2777	1850
2.615	TCX	28874900	16630890
2.659		18640	9314
2.704		11286	9031
2.787		112745	79835
2.833		365177	250986
2.899		357208	233817
2.949		70899	40916
2.984		2217	1322
3.01		85953	52431
3.106		1429669	1234427
3.157		90785	52767
3.178		58744	35659
3.203		28398	14940
3.227		1162137	768872
3.265		108594	66149
3.292		112278	57964
3.31		235762	119534
3.326		246238	129225
3.352		3063	1379
3.385		2874083	3150144
3.406		256313	109567
3.419		1158385	703721
3.494		1856379	1134735
3.529		3171716	1907711
3.552		2981381	1645904
3.57		986457	502050
3.656		4027090	2517047
3.678		1207439	652251
3.7		1241430	757492
3.729		632548	313698
3.745		2953178	1681835
3.786		1077676	754721
3.833		227977	190642
3.855		2343196	1426325
3.878		5638245	3511222
3.903		4046498	2476343
3.922		296772	146527
3.941		274610	154064
3.977		1561507	1097562
4.011		2844540	2116021
4.039		1600916	879574

RT B	Compound B	Height B	Area B
4.086		212159	187035
4.121		965383	720037
4.153		18178	9461
4.178		1596694	1175299
4.21		958765	656671
4.238		2456050	1783526
4.276		43156	39569
4.316		48412	29918
4.331		837631	600239
4.367		253342	184913
4.399		1634433	1220287
4.423		41349	19132
4.442		96960	61178
4.466		159838	102613
4.491		132991	94958
4.565		232409	234900
4.618		1604069	1281938
4.67		199702	189706
4.697		412022	357279
4.744		46952	32327
4.768		9192	7050
4.841		10707	19808
4.884		21112	17977
4.918		24118	16574
4.942		150408	118913
4.987		25357	28498
5.027		10430	6995
5.063		170850	132520
5.089		63427	43271
5.112		31787	20771
5.157		9547	6628
5.186		351372	307670
5.305		2150	1362
5.328		18894	15861
5.371		51515	53786
5.446		1799	1164
5.527		402473	352402
5.596		475819	417419
5.645		150937	136841
5.751		11138	9351
5.951		254951	212555
5.981		4576	3000
6.005		2945	1952
6.071		2138	1649
6.11	DCB	18498500	15732180
6.302		3108	2386
6.561		14401	18084
7.309		1790	2024
7.483		1824	2569
7.553		1792	3545
7.785		2101	9732
8.22		16520	29425

IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082

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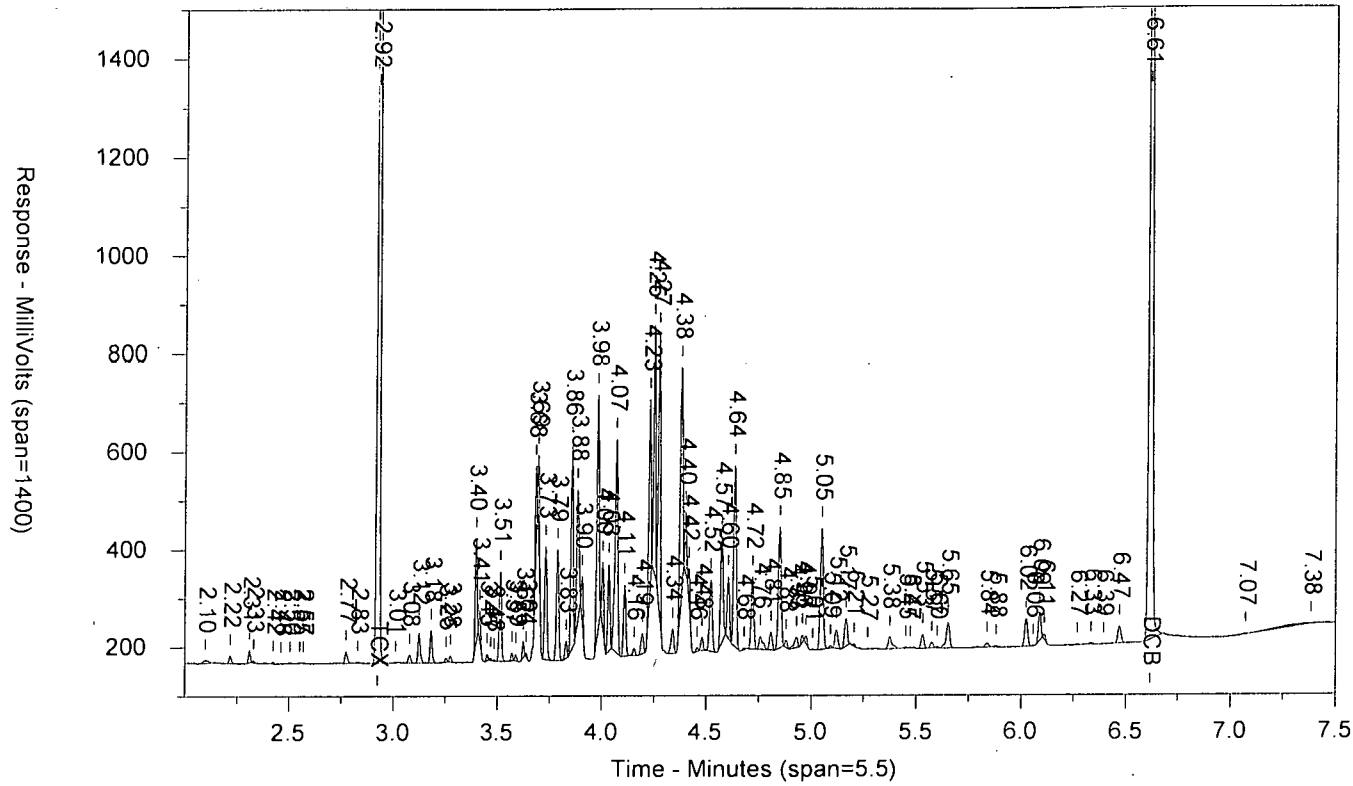

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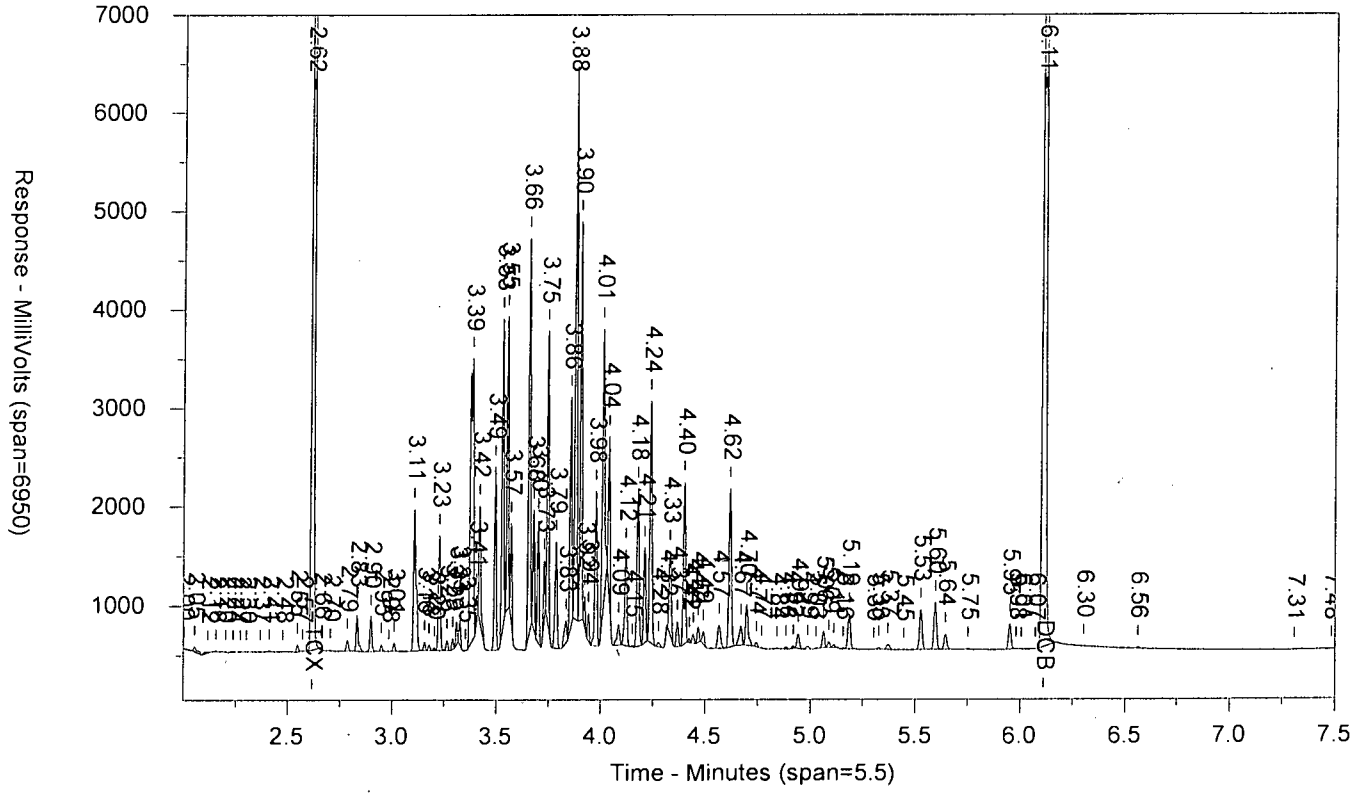

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:03:57 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4670822	41.102	TCX	2.615	28874900	41.768	TCX
6.614	2599218	37.77	DCB	6.11	18498500	37.971	DCB

Files:
Area File: 20pcbs17137001.030.RAW
Area File: 20pcbs17137001B.030.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 10:12:41 PM
File Reported On: 5/17/2017 at 10:12:49 PM

IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082

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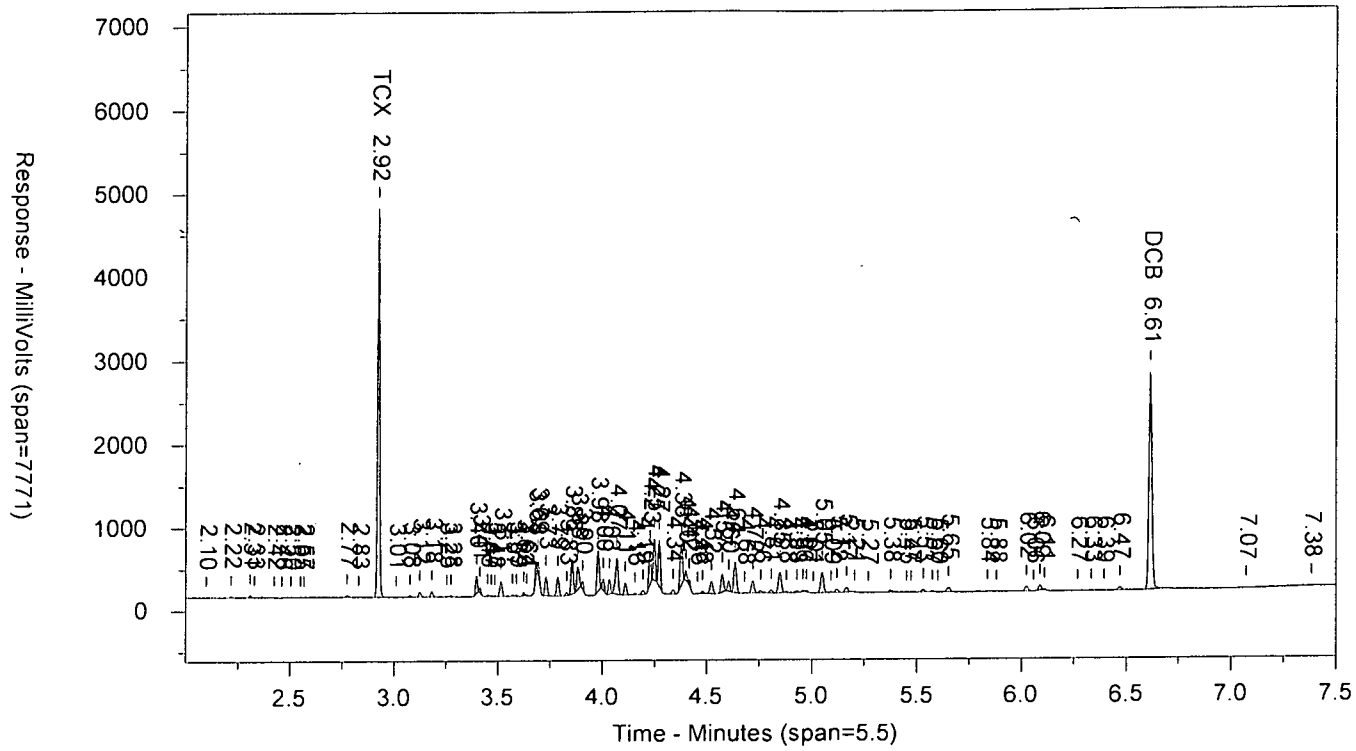

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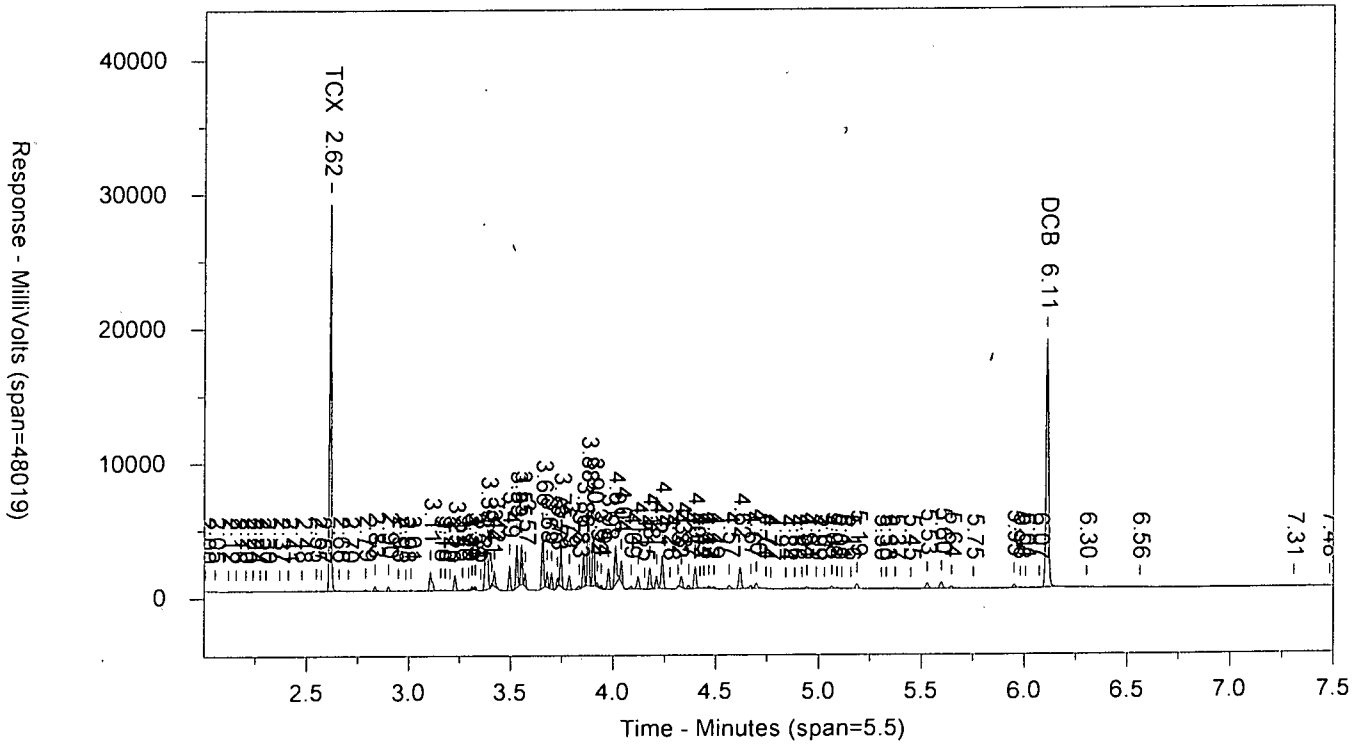

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:15:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.031.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		7098	11418
2.218		8330	6783
2.31		10224	6594
2.329		2529	1336
2.425		1874	1819
2.552		1290	2535
2.657		801	1560
2.774		32482	27245
2.828		2117	2013
2.924	TCX	2285469	1522363
3.076		4536	3831
3.124		31705	20928
3.182		10671	9043
3.255		4669	2804
3.397		19519	12079
3.414		5211	2815
3.467		6128	5832
3.513		14972	10228
3.569		6843	4095
3.588		13617	8384
3.624		2525	1730
3.682		11020	5521
3.695		7876	6645
3.731		41933	30843
3.787		16816	13008
3.828		2267	1414
3.856		397300	303164
3.883		111826	103964
3.979		253718	194700
4.004		14800	8165
4.035		28621	20171
4.069		114458	109348
4.11		23403	18267
4.138		1540	874
4.156		4686	2935
4.19		21271	16421
4.229		662635	490059
4.249		293716	173837
4.273		188493	142462
4.34		195418	161882
4.381		1085644	1042662
4.417		356426	295424
4.457		14119	9166
4.479		65286	51512
4.522		371516	328526
4.574		686872	616932
4.605		166598	108521
4.636		1401741	1211992
4.681		61117	42861
4.694		28359	14830
4.719		189888	154803
4.757		421630	423877
4.808		88192	76149
4.85		928203	870896

RT A	Compound A	Height A	Area A
4.878		18534	10535
4.905		87752	71041
4.929		17785	10364
4.957		325786	236436
4.974		137233	85412
5.007		11609	8969
5.05		732295	694114
5.093		78148	61974
5.119		83419	116964
5.166		953095	838170
5.188		38055	17713
5.204		22557	14146
5.228		21360	15201
5.271		30711	26316
5.376		309249	398039
5.425		1917	938
5.451		36952	33706
5.491		33791	30323
5.531		19196	18876
5.575		165300	156092
5.602		23982	16128
5.632		129790	149768
5.84		110749	106559
5.871		17157	18024
6.024		30198	31528
6.089		35609	30360
6.11		7522	4900
6.269		6229	6068
6.397		834	521
6.469		18562	19361
6.614	DCB	1267488	1343171
6.94		576	2260
7.457		6028	145215
8.242		853	1220
8.42		942	3036
8.681		2990	3763

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:15:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.031.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		8687	9036
2.054		19510	12684
2.155		9361	29380
2.243		12982	32442
2.357		3837	4261
2.41		4162	2688
2.453		3253	2312
2.477		4619	24567
2.547		99741	80967
2.615	TCX	14261130	8161377
2.739		2450	2057
2.787		21734	16483
2.833		191372	125073
2.899		63458	53314
2.949		35258	20419
2.987		2292	1234
3.01		9680	7250
3.106		136035	138977
3.179		47678	30550
3.203		5520	2509
3.228		99929	63710
3.265		109399	66001
3.292		60423	32249
3.311		20360	9371
3.326		60875	33582
3.376		160765	165859
3.406		49347	22834
3.42		180359	132153
3.494		147119	92815
3.528		3005385	1813061
3.552		997978	581766
3.57		95239	40828
3.587		20108	9915
3.656		1914618	1193657
3.678		155239	79024
3.7		228388	151491
3.729		194174	96598
3.745		685766	394409
3.785		201440	149396
3.825		156773	146060
3.855		651648	378225
3.878		7402528	4694650
3.902		748345	428751
3.922		689461	377506
3.941		1162877	698746
3.976		6307564	4241659
4.008		2426383	1501906
4.025		1434197	766275
4.086		478622	371864
4.121		2336316	1774735
4.178		5129437	3746212
4.211		1416893	996456
4.239		8742960	6470207
4.276		631778	611346

RT B	Compound B	Height B	Area B
4.33		4212095	3475363
4.367		634281	469649
4.399		5835235	4141655
4.423		862417	548107
4.466		3505994	2547704
4.491		162865	97558
4.566		3121899	2985743
4.618		4136349	3269422
4.658		964427	846487
4.697		6392117	6072525
4.744		461596	295749
4.768		201952	141782
4.827		73735	82163
4.884		315209	280581
4.918		300816	208347
4.942		1867441	1465418
4.992		244800	207236
5.028		198831	161819
5.061		160295	137710
5.09		909573	668435
5.112		639746	559645
5.153		15617	8687
5.186		195803	173116
5.248		3196	2559
5.301		3297	1753
5.327		31690	25901
5.37		756608	777371
5.528		206510	180862
5.573		24533	17154
5.596		233024	188332
5.645		101099	89389
5.751		39872	33475
5.95		125828	102865
6.11	DCB	8886612	8047574
6.235		3305	4459
6.282		3239	2928
6.562		6463	6145
7.545		2430	2987
7.687		1496	8713
7.812		1769	3873
7.859		2414	4305
8.215		17156	32850

IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082

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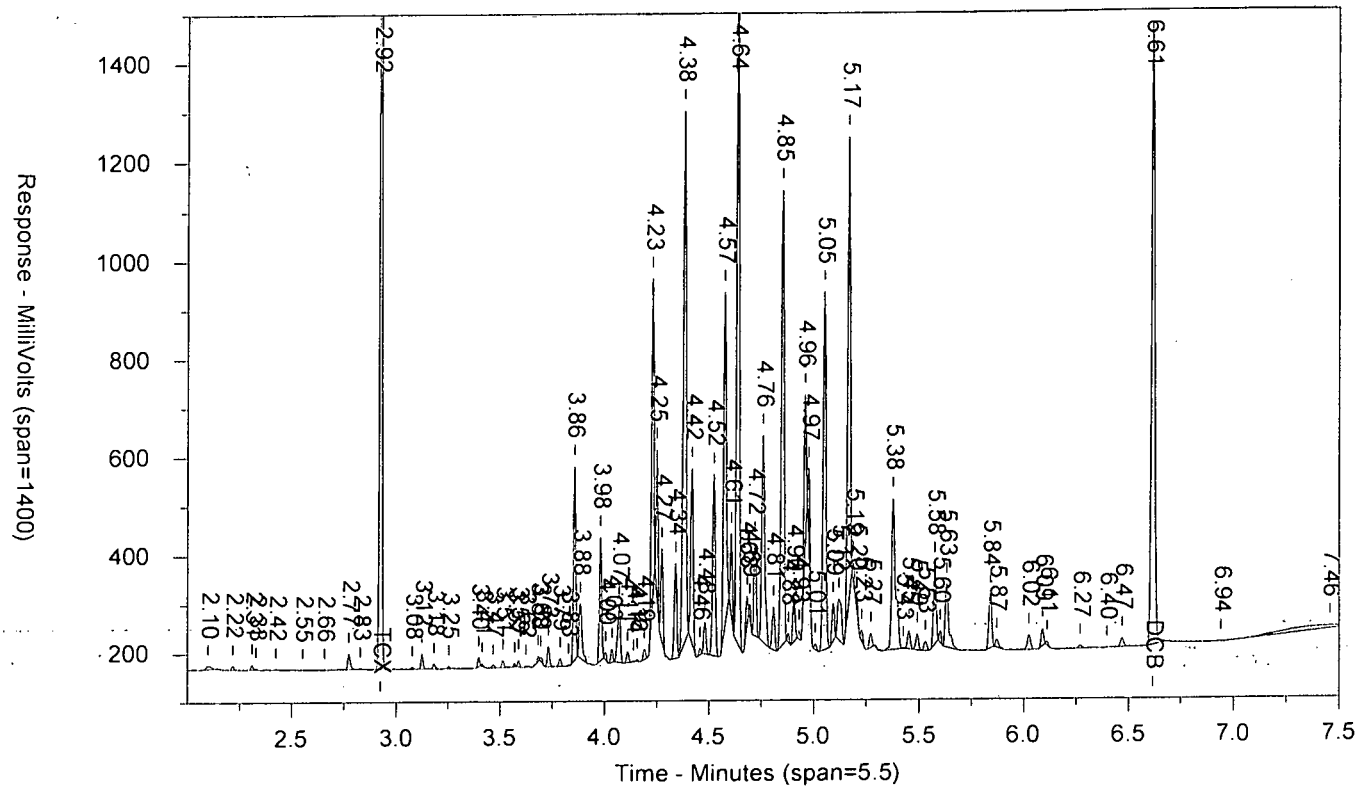

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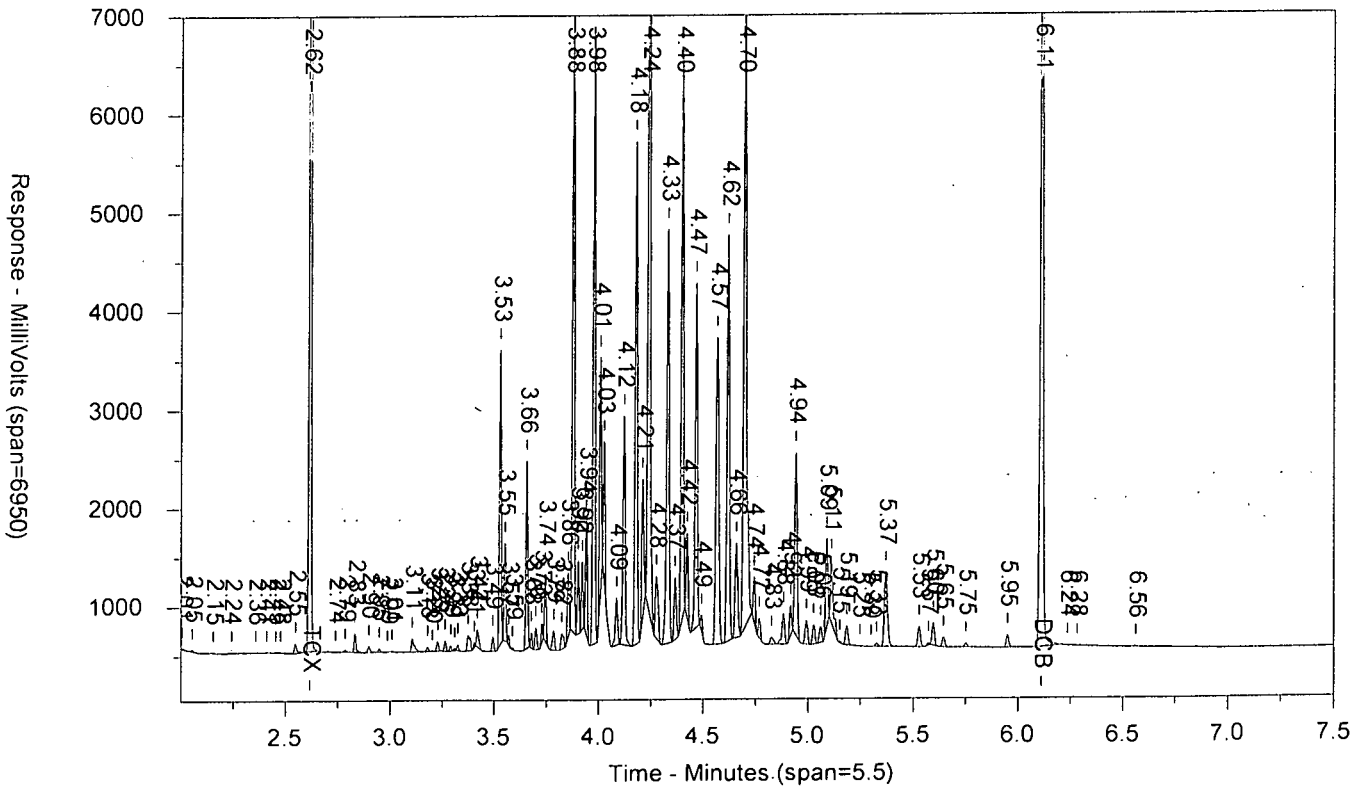

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:15:30 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2285469	20.111	TCX	2.615	14261130	20.629	TCX
6.614	1267488	18.418	DCB	6.11	8886612	18.241	DCB

Files:
Area File: 20pcbs17137001.031.RAW
Area File: 20pcbs17137001B.031.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 10:24:13 PM
File Reported On: 5/17/2017 at 10:24:19 PM

IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082

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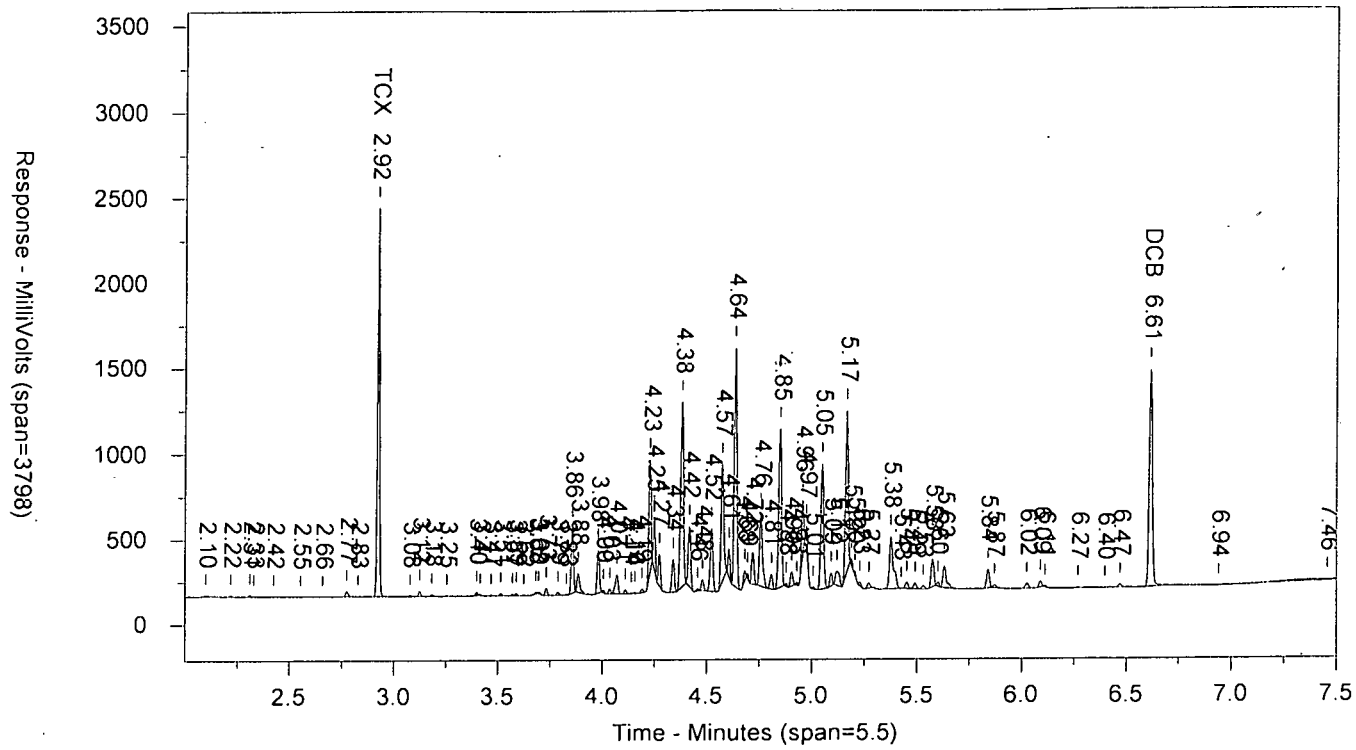

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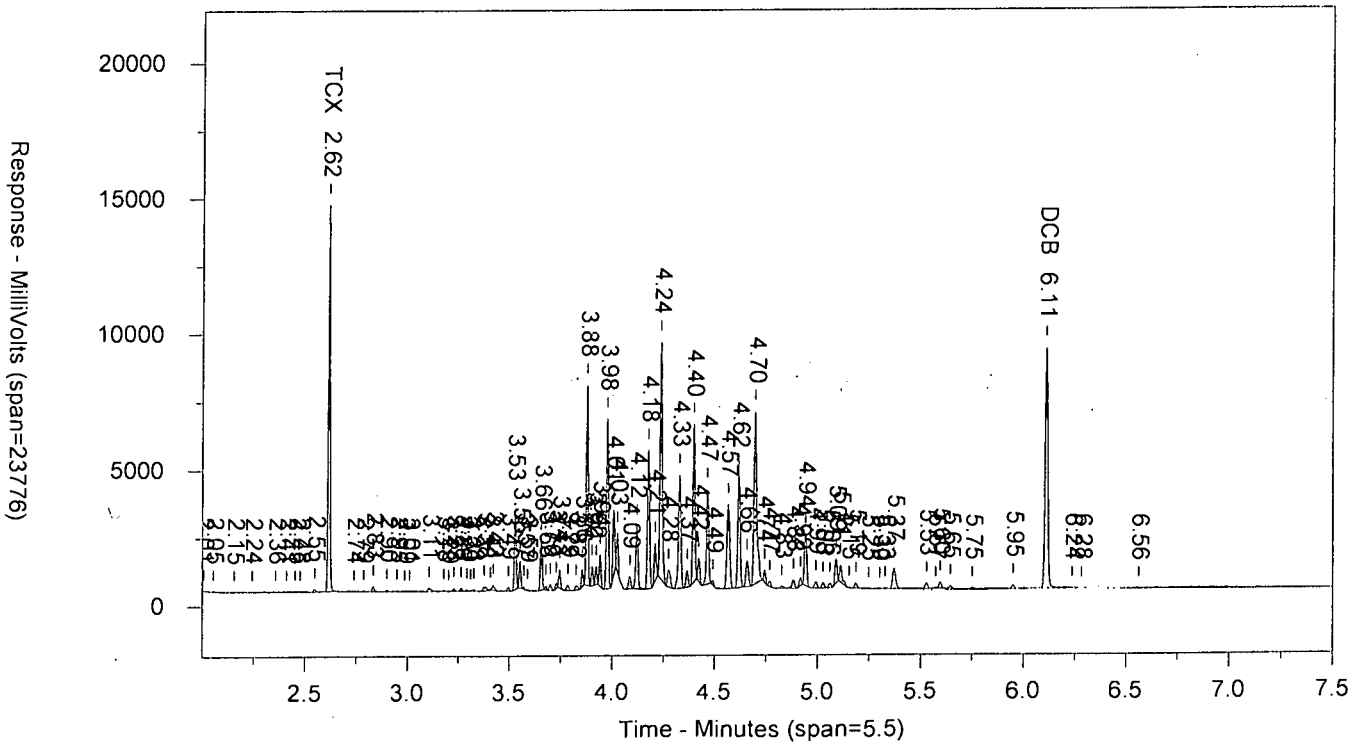

LANCASTER LABORATORIES

Sample Number: AR1631724A FOAR163FO CCAL 1714599999 10736 SW-846 8082
Injected On: 5/26/2017 3:05:20 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		531	419
2.044		7707	8381
2.09		8603	15514
2.239		24329	20441
2.301		1325	1753
2.34		25256	22996
2.374		2548	2088
2.444		734	857
2.503		5649	7671
2.546		2256	1753
2.58		5119	3469
2.601		965	594
2.664		905	950
2.702		618	546
2.721		644	326
2.757		2185	3421
2.791		21833	21084
2.854		1257	731
2.886		2093	1598
2.913		2758	1906
2.945	TCX	5627427	3956154
3.038		1228	1070
3.061		1325	874
3.093		73604	65787
3.148		122750	121366
3.198		443599	335452
3.276		6526	3334
3.292		51950	34692
3.334		1558	1271
3.416		451360	268160
3.433		192947	109505
3.47		54648	32613
3.486		4405	1439
3.497		30456	15508
3.532		541921	441406
3.568		2274	1156
3.588		5865	3370
3.608		17069	11187
3.643		120264	71234
3.658		59263	29279
3.702		158096	110862
3.712		616908	321128
3.75		667915	525332
3.807		609386	464813
3.849		44802	32201
3.878		373357	290649
3.906		261106	217536
3.927		73591	38255
3.965		1215	771
4.003		427853	313524
4.026		151991	101125
4.059		162945	120781
4.092		457740	452953
4.132		148067	122350

RT A	Compound A	Height A	Area A
4.18		15622	11002
4.196		2600	1121
4.219		26058	18763
4.254		401218	301688
4.272		74953	40072
4.296		124811	98060
4.367		72517	63205
4.41		449081	452481
4.444		15115	10654
4.484		382	192
4.508		3819	3343
4.547		37485	36429
4.598		63706	39920
4.615		107502	75267
4.659		309094	293860
4.709		407383	466497
4.746		91356	64222
4.785		949800	914107
4.829		5901	4974
4.871		190478	193583
4.904		11944	7788
4.932		187793	177470
4.984		1160086	1498265
5.035		219388	206563
5.074		549855	625268
5.117		3588	1416
5.154		119734	141902
5.188		1495863	1545999
5.229		14882	6527
5.254		651119	614605
5.297		418387	416735
5.39		199024	159217
5.415		687605	641437
5.471		381948	362892
5.51		231610	231044
5.551		42845	43612
5.592		268087	305140
5.65		1910340	2021326
5.741		2440	3259
5.798		544	346
5.854		1154567	1114179
5.883		86787	51189
5.909		248866	281221
5.952		933	874
6.016		2775	4418
6.047		46302	46223
6.098		10177	9319
6.124		203064	202911
6.226		463	220
6.281		487641	503710
6.326		36467	34263
6.368		2117	2034
6.418		1573	2119
6.487		155800	175834
6.575		1699	2750
6.637	DCB	4037934	4159328
6.73		1550	738
6.757		908	442
6.77		1119	505
6.784		1155	689
6.832		3329	5235
6.919		4743	12050

LANCASTER LABORATORIES

Sample Number: AR1631724A FOAR163FO CCAL 1714599999 10736 SW-846 8082
Injected On: 5/26/2017 3:05:20 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9967	8879
2.161		2434	4211
2.208		3487	3715
2.238		3667	4141
2.282		1007	1339
2.304		5626	3752
2.366		2319	3854
2.417		2074	2371
2.48		4613	12904
2.537		3118	1630
2.553		49978	43668
2.621	TCX	7987463	4966165
2.665		49084	36016
2.71		3243	3934
2.793		120648	81892
2.839		67465	32763
2.854		113277	61263
2.906		663187	426252
2.956		21259	14719
3.018		92643	61720
3.114		896970	889809
3.167		111690	70648
3.188		48620	27902
3.214		81841	46293
3.238		891390	607777
3.275		33518	21080
3.302		9843	4316
3.322		225609	121451
3.337		135232	69017
3.363		3831	2025
3.397		1926285	1950852
3.432		1024480	779865
3.506		1073620	678143
3.542		745780	456267
3.566		771529	432801
3.584		244979	124365
3.671		896953	593454
3.694		338796	186922
3.714		309818	188229
3.743		221640	113224
3.761		806499	490447
3.802		275824	206812
3.85		38811	32715
3.872		206954	125888
3.895		1089213	715639
3.92		211612	127793
3.94		35569	18245
3.959		145948	95777
3.994		933330	631557
4.028		38701	23441
4.043		69833	46012
4.103		10151	11461
4.14		71045	65950
4.197		246194	175817

RT B	Compound B	Height B	Area B
4.24		242831	144619
4.258		197751	107170
4.271		617838	337195
4.297		364102	376060
4.349		2092244	1600712
4.397		28578	22840
4.419		224885	152128
4.443		481110	345407
4.486		2409362	1896415
4.588		2075919	1975945
4.642		261275	218651
4.68		568530	496742
4.716		2838172	2331396
4.749		1236305	870251
4.787		884406	702000
4.859		2731	2792
4.886		307093	321384
4.937		1694739	1311921
4.961		241233	154352
5.011		906502	804266
5.047		466564	365521
5.077		307873	262310
5.109		158478	92121
5.131		4164731	3378191
5.172		87604	66661
5.203		159583	132680
5.281		2175	1549
5.321		47096	29034
5.345		808201	670073
5.389		2814827	3025525
5.545		103597	92533
5.59		74034	56957
5.613		72754	55056
5.662		487684	426228
5.769		1075582	927542
5.801		70612	53320
5.928		2183	2366
5.968		355344	305473
6.022		1856	981
6.128	DCB	10111070	8748423
6.306		4441	12083
6.431		1792	4156
6.538		1452	1764
6.586		11661	13957
6.663		2741	4533
6.76		2233	1340
6.826		1790	2372
6.909		3619	7541

AR1631724A FOAR163FO CCAL 1714599999 10736 SW-846 8082

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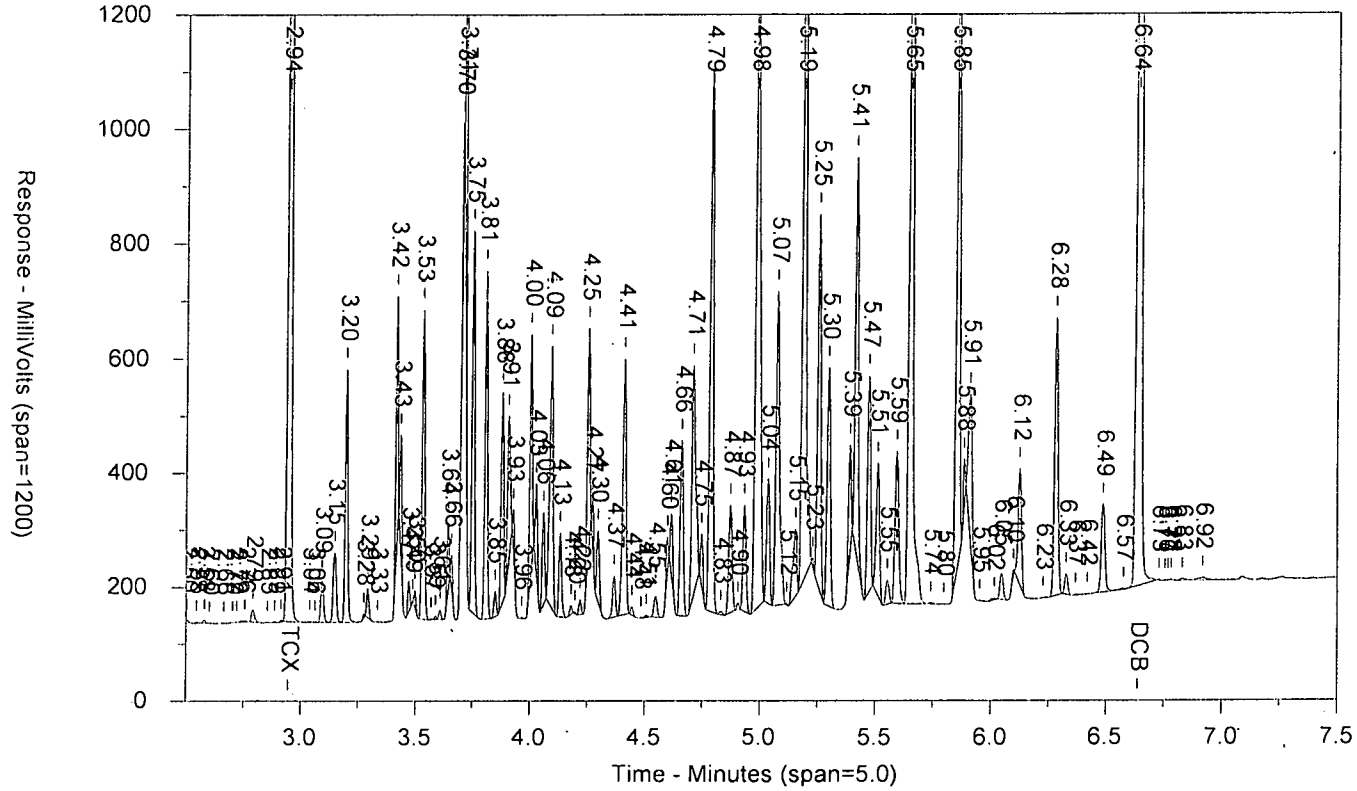

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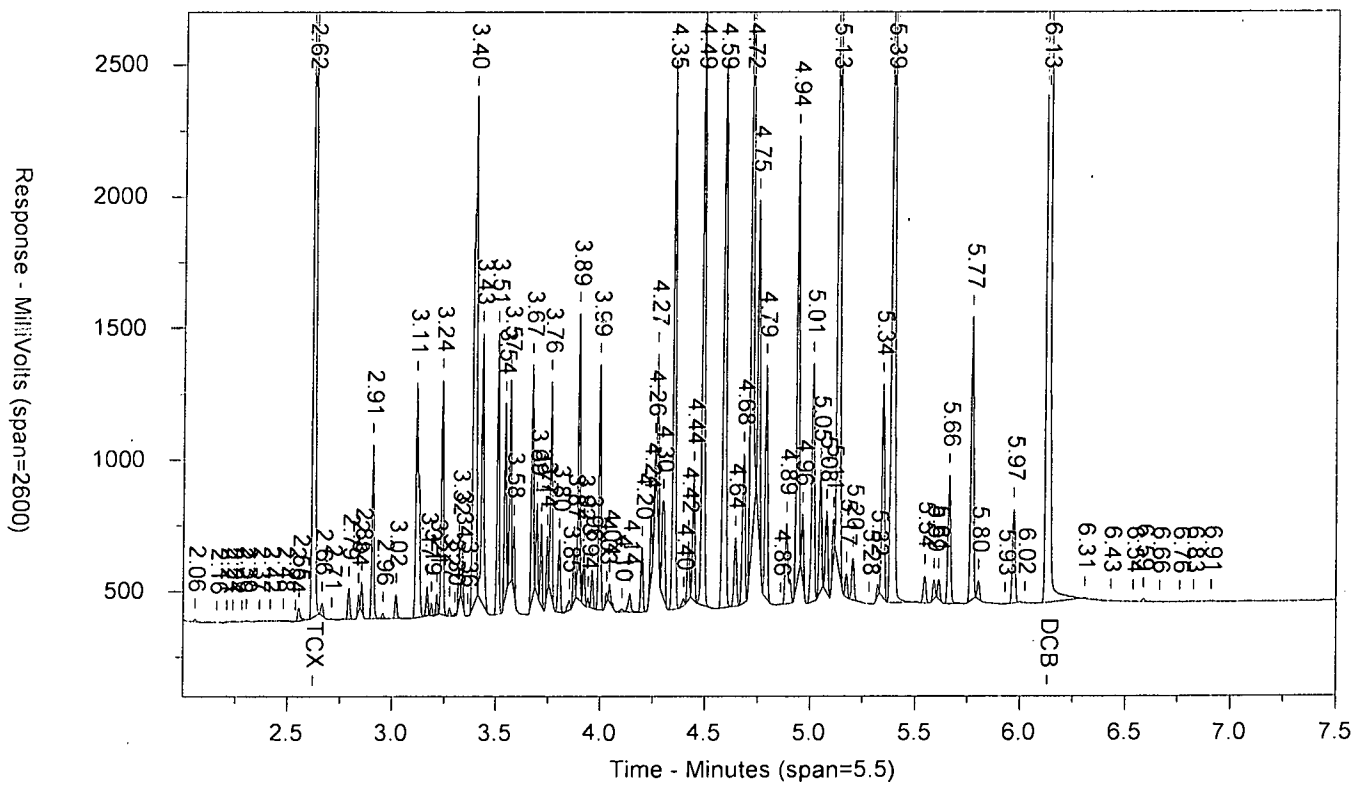

LANCASTER LABORATORIES

Sample Number: AR1631724A FOAR163FO CCAL 1714599999 10736 SW-846 8082
Injected On: 5/26/2017 3:05:20 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5627427	40.261	TCX	2.621	7987463	41.945	TCX
6.637	4037934	40.508	DCB	6.128	10111070	42.892	DCB

Files:
Area File: 25pcbs17116021.005.RAW
Area File: 25pcbs17116021B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 3:13:50 PM
File Reported On: 5/26/2017 at 3:13:57 PM

AR1631724A FOAR163FO CCAL 1714599999 10736 SW-846 8082

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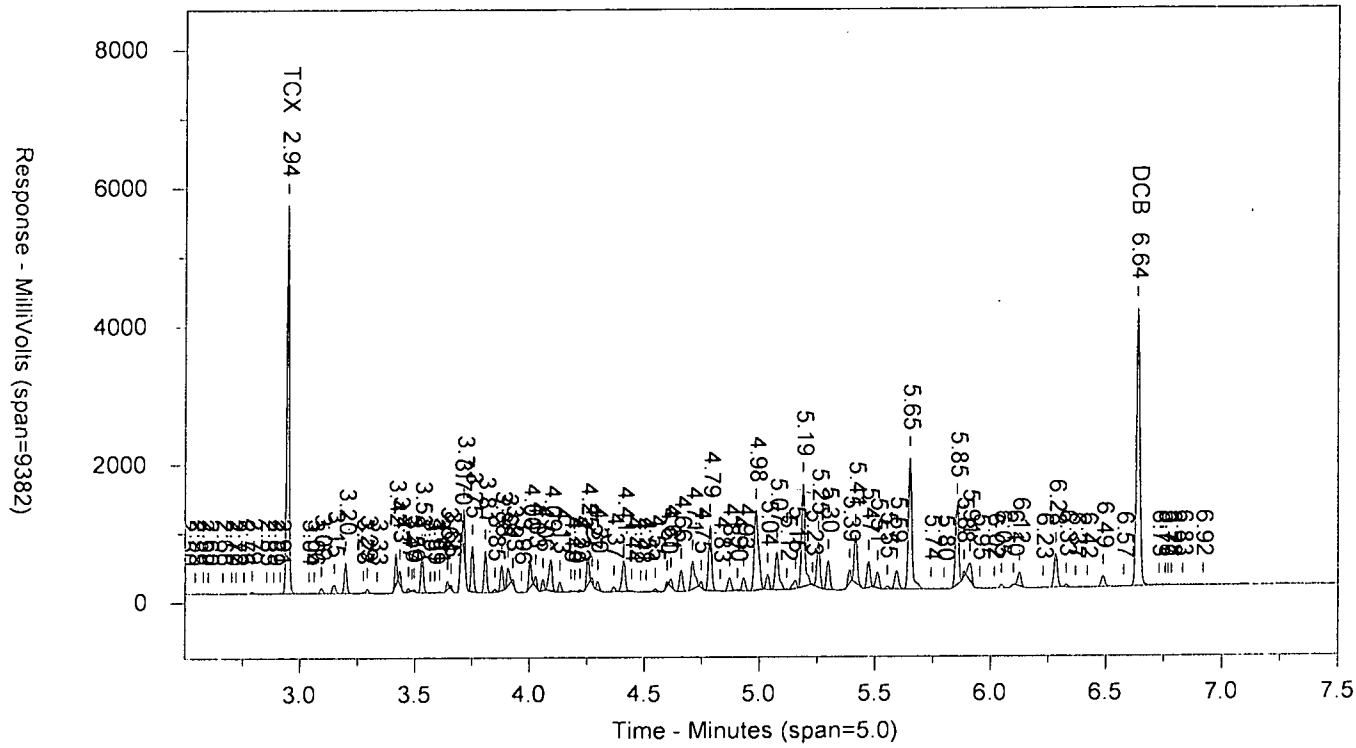

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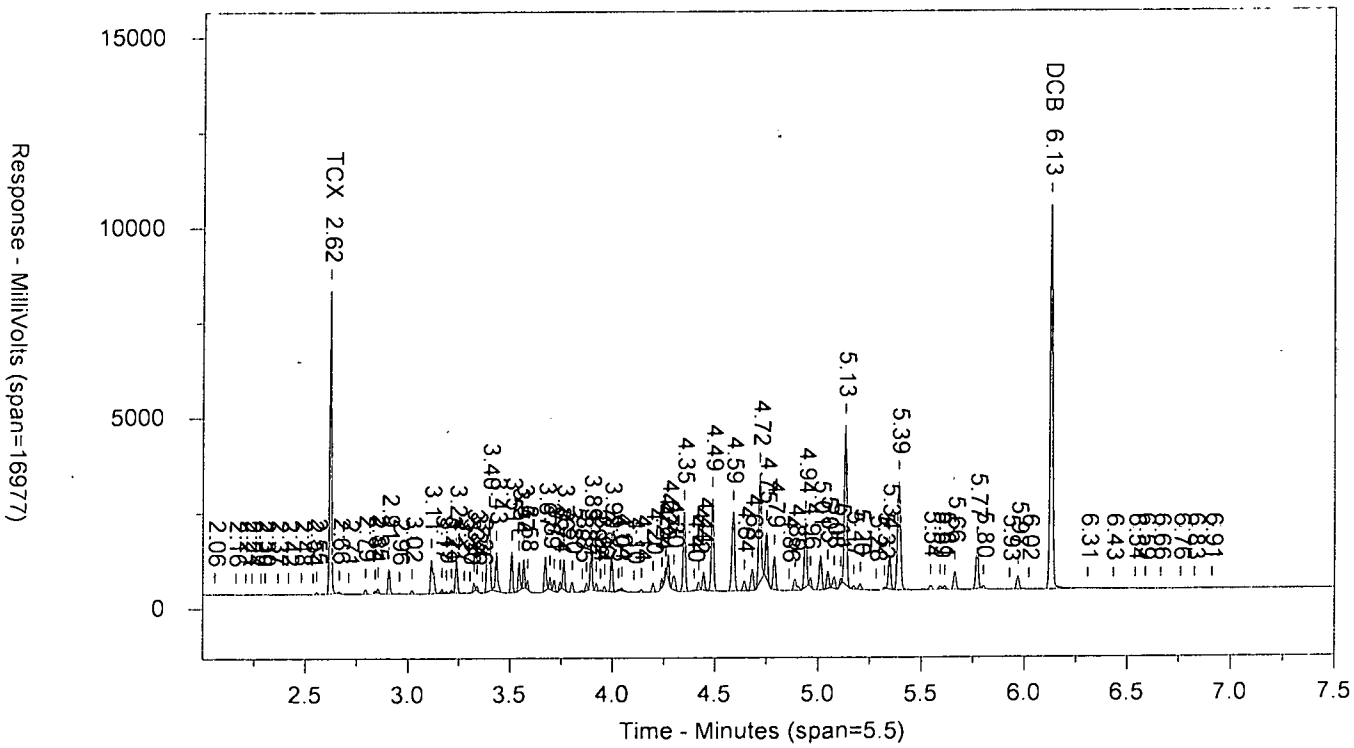

LANCASTER LABORATORIES

Sample Number: IBLKX1724A ADPIBLKAD PIBLK1714599999 10736 SW-846 8082
Injected On: 5/26/2017 3:16:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		512	370
2.044		9646	10394
2.089		9289	13532
2.14		814	533
2.177		2081	1997
2.238		12878	10847
2.283		315	123
2.299		907	819
2.339		30319	24776
2.374		2520	2203
2.445		597	421
2.503		7110	9490
2.547		2544	3228
2.601		2673	1858
2.663		1016	1032
2.701		1112	833
2.718		1158	541
2.745		916	700
2.755		862	559
2.79		20888	19529
2.885		1647	1266
2.913		3664	2544
2.944	TCX	2717157	1950917
3.038		455	379
3.062		1519	1081
3.093		601	568
3.113		509	211
3.142		38438	27963
3.227		1819	1776
3.276		7950	7944
3.307		1130	789
3.341		453	311
3.389		1021	793
3.426		395	404
3.466		1775	1688
3.524		1619	1332
3.543		908	534
3.589		3599	2297
3.632		4476	5659
3.696		10522	9761
3.747		534	551
3.777		1403	1381
3.801		1010	1072
3.842		1292	1350
3.877		1841	2175
3.918		1919	1717
3.965		3062	2618
4.061		1560	2127
4.113		563	390
4.141		1345	1419
4.197		10678	12127
4.238		1568	1343
4.304		7579	9544
4.368		1307	2576

RT A	Compound A	Height A	Area A
4.444		1240	1840
4.492		344	204
4.521		1176	1198
4.605		1851	3212
4.66		4829	6862
4.749		1152	1573
4.869		509	1549
4.906		2859	4172
5.022		5947	10847
5.065		1496	3259
5.148		4188	4443
5.202		451	171
5.225		832	933
5.286		302	398
5.313		504	822
5.373		4625	6920
5.443		1279	1372
5.476		3386	3522
5.55		4420	4733
5.598		743	812
5.653		473	337
5.672		6705	6056
5.702		2674	2838
5.749		2608	2681
5.793		748	1020
5.835		511	837
5.854		893	1214
5.919		415	813
5.958		373	212
6.007		3105	3773
6.045		15114	14476
6.109		14056	16494
6.164		1236	3959
6.252		878	4216
6.273		492	225
6.317		2047	4680
6.37		1312	1808
6.41		1225	1341
6.459		382	292
6.484		19586	22087
6.553		419	251
6.58		856	1452
6.634	DCB	1916689	2127870
6.726		1225	984
6.745		511	166
6.774		2456	2588
6.837		2106	3929
6.918		4429	9876

LANCASTER LABORATORIES

Sample Number: IBLKX1724A ADPIBLKAD PIBLK1714599999 10736 SW-846 8082
Injected On: 5/26/2017 3:16:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		5150	4980
2.161		5084	6949
2.21		3888	4671
2.238		4086	4227
2.279		1657	1977
2.365		2856	5004
2.418		2398	2994
2.477		4816	14928
2.537		2679	1416
2.553		47012	39856
2.595		2438	1117
2.62	TCX	3926958	2437213
2.708		2115	2821
2.764		3066	3053
2.82		1189	1415
2.839		49515	35565
2.955		12062	12234
3.032		2883	5017
3.118		5101	3962
3.16		1513	4075
3.197		4267	4818
3.28		3758	2883
3.302		5459	2733
3.338		15235	10489
3.366		3416	2792
3.391		4178	2457
3.423		5076	4687
3.446		1897	1425
3.489		1509	956
3.524		2132	2298
3.573		3006	3282
3.6		3676	18534
3.678		10653	19858
3.728		3901	5149
3.756		3608	8058
3.832		4128	5692
3.909		8464	13123
3.961		33587	53812
4.066		2202	2286
4.095		6621	5511
4.174		4335	6675
4.228		4096	7998
4.252		1710	1155
4.313		2846	5220
4.395		2196	2780
4.462		9836	9682
4.511		4704	10645
4.563		1989	1768
4.665		2102	2059
4.69		6445	4761
4.746		4625	8990
4.788		6143	11423
4.864		15145	14265
4.954		1434	1208

RT B	Compound B	Height B	Area B
5.083		8647	11450
5.203		16763	16097
5.237		2985	3607
5.361		8521	16599
5.416		9547	20038
5.489		2842	5353
5.544		38423	34538
5.612		34296	34903
5.662		9797	11437
5.711		1830	2060
5.754		1304	686
5.84		962	1172
5.928		1471	1576
5.968		43781	36839
6		2203	1244
6.064		967	1077
6.127	DCB	4809279	4301132
6.272		1829	1504
6.585		6574	10753
6.663		2533	7104
6.759		1700	4034
6.79		1405	564
6.861		1451	3829
6.904		2662	3827

IBLKX1724A ADPIBLKAD PIBLK1714599999 10736 SW-846 8082

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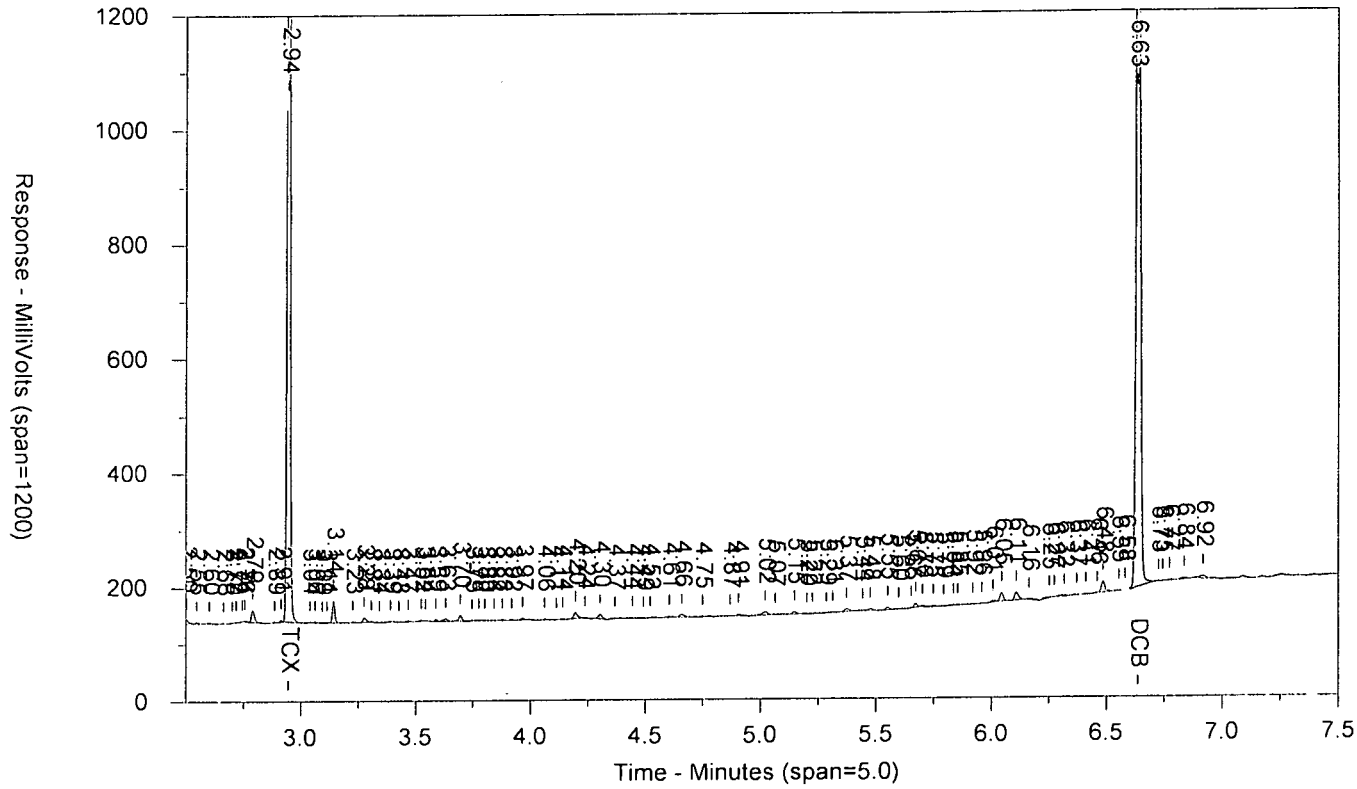

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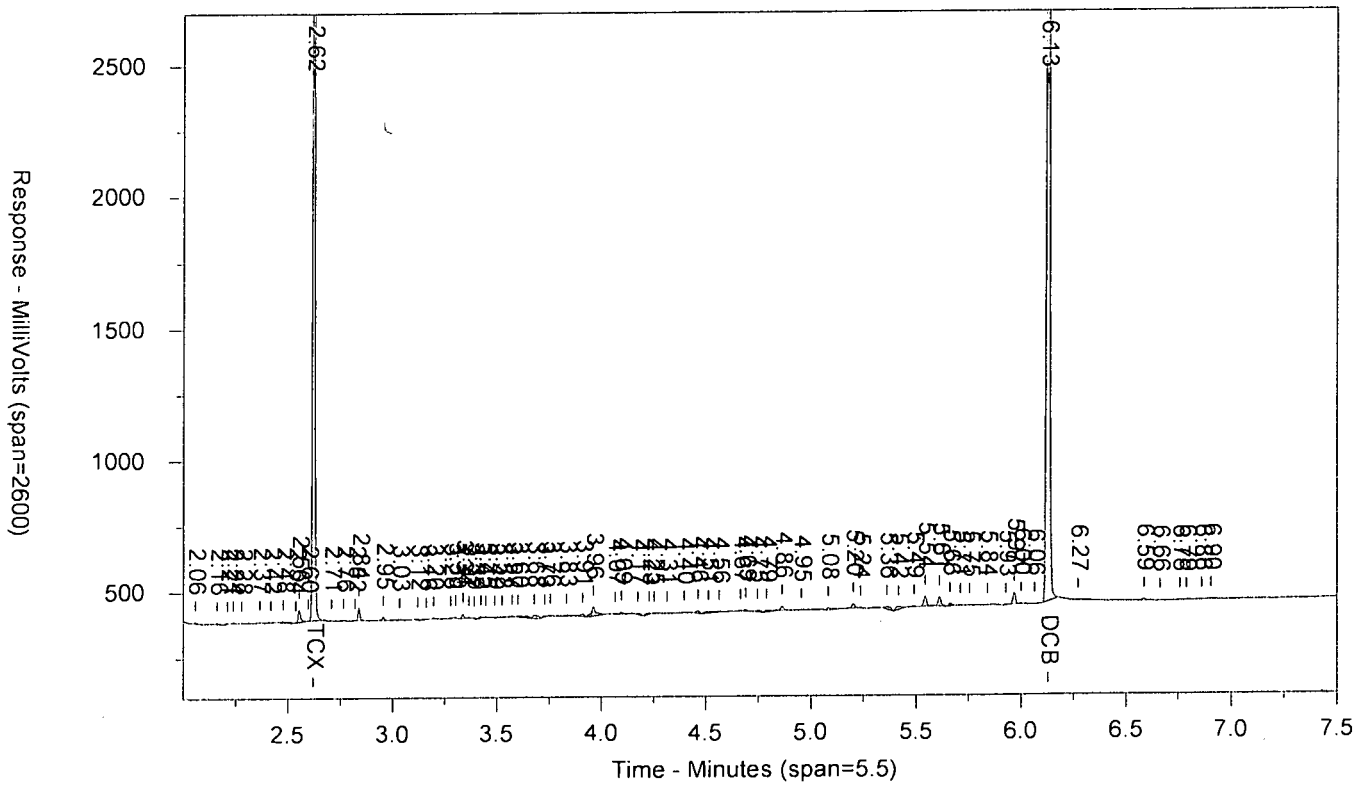

LANCASTER LABORATORIES

Sample Number: IBLKX1724A ADPIBLKAD PIBLK1714599999 10736 SW-846 8082
Injected On: 5/26/2017 3:16:36 PM
Sample Weight: 1000
Instrument ID: CP25-18274
Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	2717157	.194	TCX	2.62	3926958	.206	TCX
6.634	1916689	.192	DCB	6.127	4809279	.204	DCB

Files:
Area File: 25pcbs17116021.006.RAW
Area File: 25pcbs17116021B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 3:25:08 PM
File Reported On: 5/26/2017 at 3:25:15 PM

IBLKX1724A ADPIBLKAD PIBLK1714599999 10736 SW-846 8082

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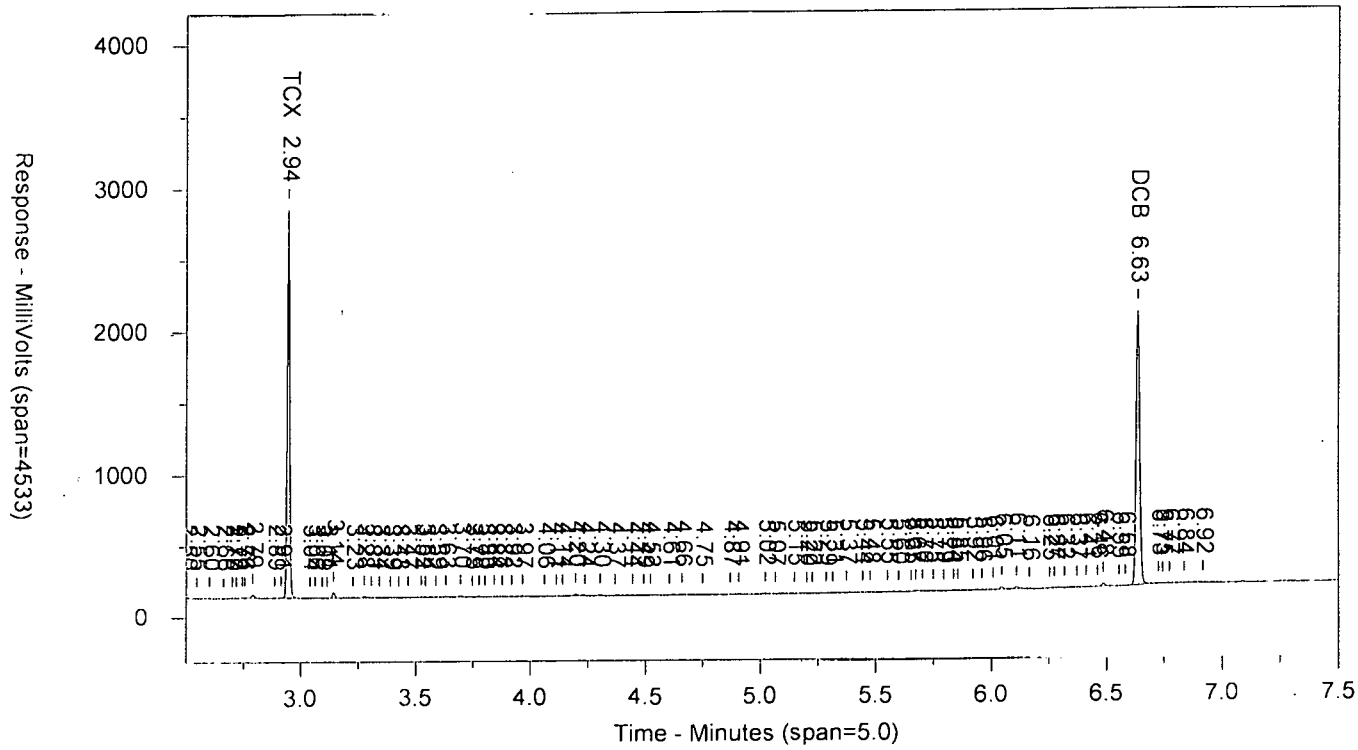

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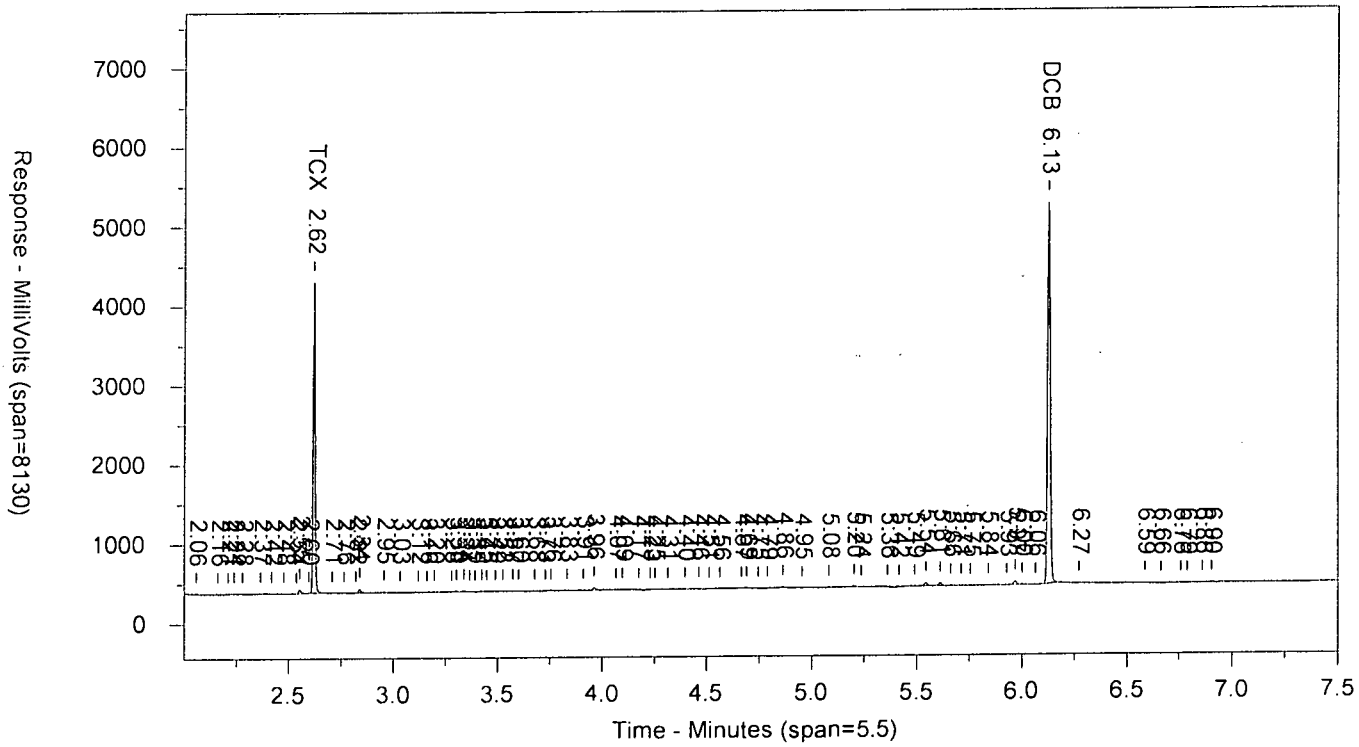

LANCASTER LABORATORIES

Sample Number: AR1631724A FPAR163FP CCAL 1714599999 10736 SW-846 8082
Injected On: 5/26/2017 7:14:55 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.014		648	571
2.043		5729	6194
2.088		9057	17370
2.193		858	474
2.238		24499	19920
2.295		2058	2494
2.339		27997	24686
2.372		2225	1756
2.403		1745	1379
2.448		634	678
2.502		5859	7622
2.546		1845	1430
2.577		5014	3196
2.601		3190	2269
2.663		802	762
2.699		2790	1974
2.756		2313	4082
2.79		21438	20549
2.856		1449	1057
2.884		4100	3176
2.913		1987	1257
2.943	TCX	5697989	3981609
3.041		1101	1255
3.059		3256	2159
3.091		73609	63759
3.147		129835	122806
3.196		458567	329297
3.225		1834	999
3.274		6968	3670
3.29		53360	35280
3.335		1464	1130
3.386		1824	1269
3.413		452293	275900
3.43		200486	109180
3.468		56760	34223
3.484		3057	1194
3.494		29536	16390
3.529		561936	445038
3.567		1944	960
3.585		8208	4738
3.605		16141	10889
3.64		116768	71041
3.655		61478	31226
3.698		215199	128209
3.709		570630	304740
3.746		680880	531226
3.804		592338	469032
3.846		45124	33167
3.875		389659	292996
3.903		256302	216888
3.924		66474	37949
3.999		416026	314324
4.023		145362	97417
4.056		160964	122171

RT A	Compound A	Height A	Area A
4.088		468912	457116
4.128		147754	125999
4.176		14562	9896
4.192		3881	1827
4.216		25656	19074
4.251		385829	296098
4.268		67519	36365
4.292		126668	99511
4.364		74734	65013
4.406		441058	456237
4.44		14304	10626
4.504		3570	3557
4.544		32666	29814
4.595		63222	41877
4.611		105899	75239
4.656		321835	295450
4.706		400691	468166
4.743		87450	64661
4.782		966766	922424
4.827		5448	4632
4.867		186236	195721
4.901		9974	6281
4.928		186216	180671
4.98		1189415	1513107
5.032		216974	206451
5.071		565472	635908
5.15		118513	139325
5.184		1520264	1550596
5.224		14183	6608
5.251		658281	613924
5.293		412018	414482
5.386		191587	150892
5.411		669807	616878
5.468		370892	358322
5.506		221353	227970
5.547		37567	39347
5.588		254074	300838
5.647		1870245	1987961
5.734		2280	2994
5.791		850	952
5.849		1145991	1092339
5.879		80762	51059
5.904		242442	275714
6.012		984	2002
6.041		40307	39244
6.092		19460	14300
6.12		192778	192181
6.228		614	658
6.274		454683	484319
6.32		35179	33337
6.366		1571	1353
6.409		1616	2035
6.479		150740	162847
6.561		1392	2042
6.629	DCB	3753119	4075508
6.758		962	1082
6.82		1576	1823
6.886		1221	2675
6.906		2624	2783

LANCASTER LABORATORIES

Sample Number: AR1631724A FPAR163FP CCAL 1714599999 10736 SW-846 8082
Injected On: 5/26/2017 7:14:55 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		11086	11468
2.16		2244	1036
2.178		3781	2039
2.208		2548	2699
2.237		3721	4385
2.279		4381	3568
2.303		5931	4074
2.362		2133	1729
2.379		3529	2454
2.415		2025	1967
2.479		7236	12561
2.552		36906	24768
2.576		4826	2934
2.619	TCX	8697724	5310916
2.664		54473	39550
2.764		6080	4611
2.791		125570	84605
2.838		76589	36890
2.853		125676	66596
2.905		714368	448119
2.955		24833	18589
2.995		2108	1191
3.017		95283	69228
3.113		962612	936019
3.165		117854	74281
3.186		50535	27446
3.212		84120	47255
3.236		927914	631275
3.273		33075	21619
3.301		13833	6519
3.32		288017	303755
3.364		6327	3786
3.395		1989733	2042040
3.429		1057174	805603
3.503		1087933	701482
3.539		754772	474845
3.563		811218	449344
3.581		257423	131570
3.667		938321	623289
3.69		360346	198442
3.711		336303	194161
3.74		214029	108830
3.757		824182	506199
3.798		291503	213249
3.847		37686	33069
3.869		226851	133433
3.891		1161538	750590
3.916		232836	137862
3.936		36521	18077
3.956		153919	101187
3.99		949791	660484
4.024		41578	23785
4.04		72361	48255
4.1		10764	11178

RT B	Compound B	Height B	Area B
4.136		71074	61655
4.192		251078	186205
4.235		262521	153596
4.253		257721	127111
4.267		627848	349061
4.293		404792	395626
4.344		2296173	1673057
4.393		31658	24136
4.415		236284	161228
4.439		489342	368786
4.482		2630284	2062647
4.553		1407	920
4.584		2237528	2102041
4.637		275482	231356
4.676		607121	523833
4.712		2963063	2462686
4.744		1315277	917011
4.783		950826	747502
4.853		3531	3803
4.882		329096	341618
4.933		1751849	1374217
4.957		242586	162366
5.007		963349	843497
5.042		488537	382442
5.072		330073	277584
5.105		160211	97071
5.126		4302335	3504215
5.168		93886	69788
5.199		152964	126816
5.279		1946	1177
5.318		47054	29681
5.341		798087	682513
5.385		2869774	3076344
5.54		93485	80128
5.586		81981	59792
5.609		56979	40712
5.658		488561	417312
5.765		1088796	916041
5.797		68319	51529
5.92		2798	2884
5.964		328735	295903
6.061		1425	1675
6.123	DCB	9959469	8401617
6.299		5150	5902
6.46		1291	1041
6.577		9869	12090
6.655		1611	1199
6.752		1530	1423
6.819		2515	4785

AR1631724A FPAR163FP CCAL 1714599999 10736 SW-846 8082

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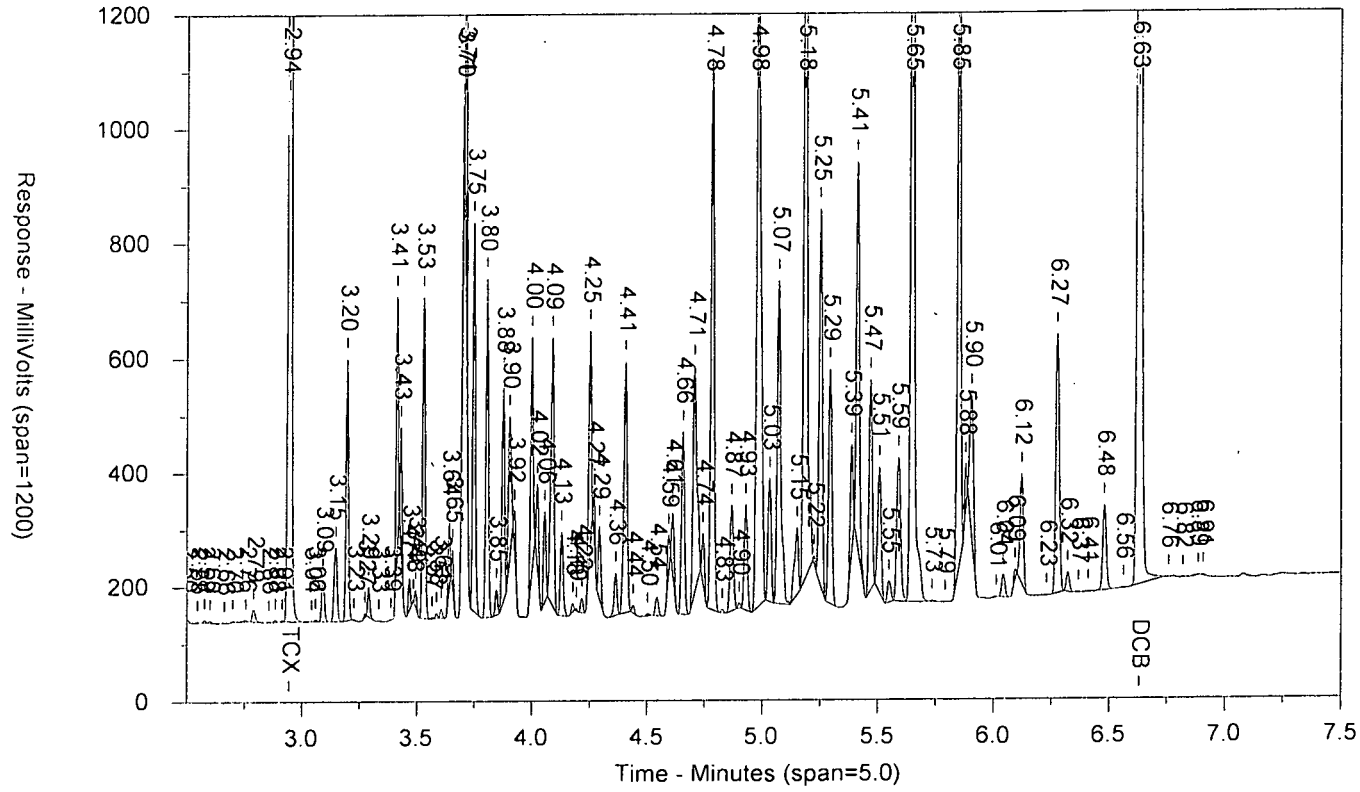

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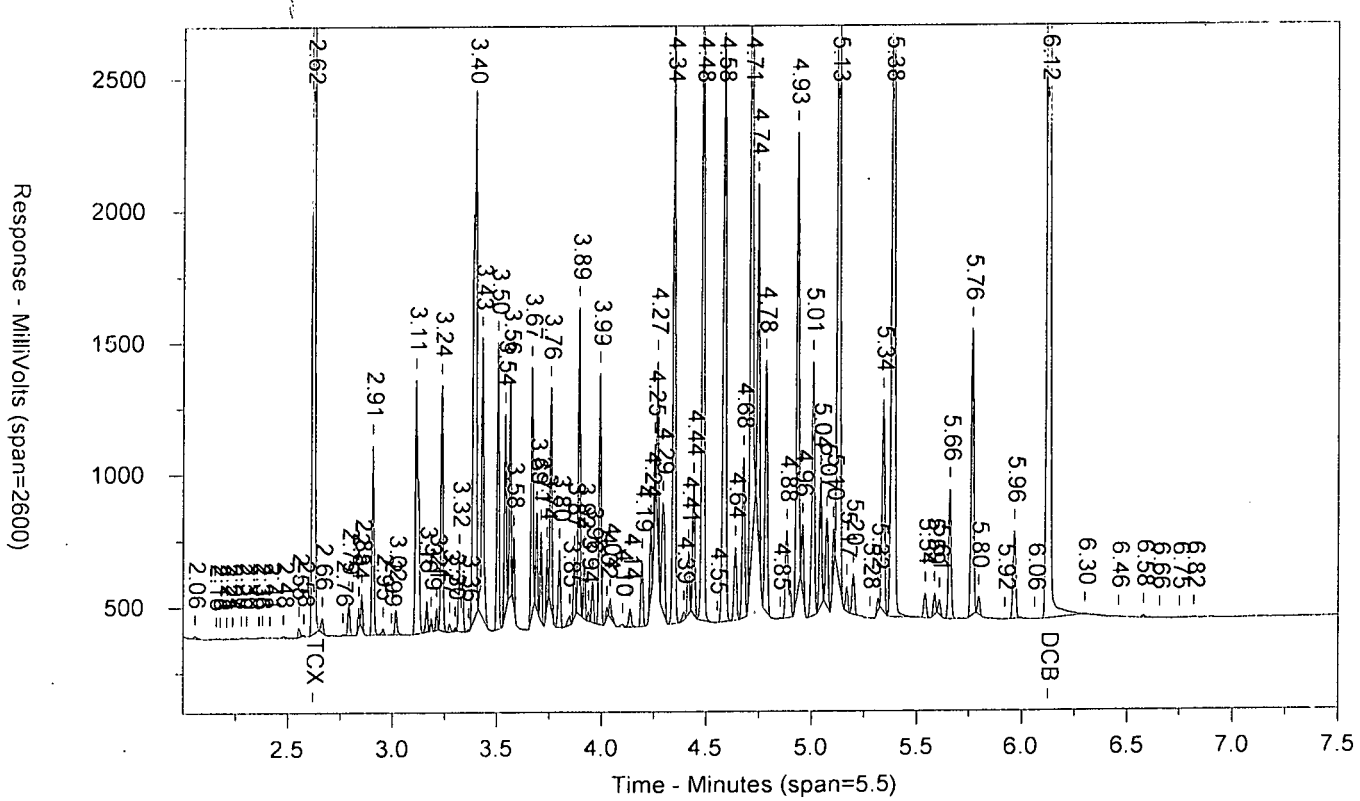

LANCASTER LABORATORIES

Sample Number: AR1631724A FPAR163FP CCAL 1714599999 10736 SW-846 8082
Injected On: 5/26/2017 7:14:55 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.943	5697989	40.766	TCX	2.619	8697724	45.675	TCX
6.629	3753119	37.65	DCB	6.123	9959469	42.249	DCB

Files:
Area File: 25pcbs17116021.027.RAW
Area File: 25pcbs17116021B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 7:23:26 PM
File Reported On: 5/26/2017 at 7:23:42 PM

AR1631724A FPAR163FP CCAL 1714599999 10736 SW-846 8082

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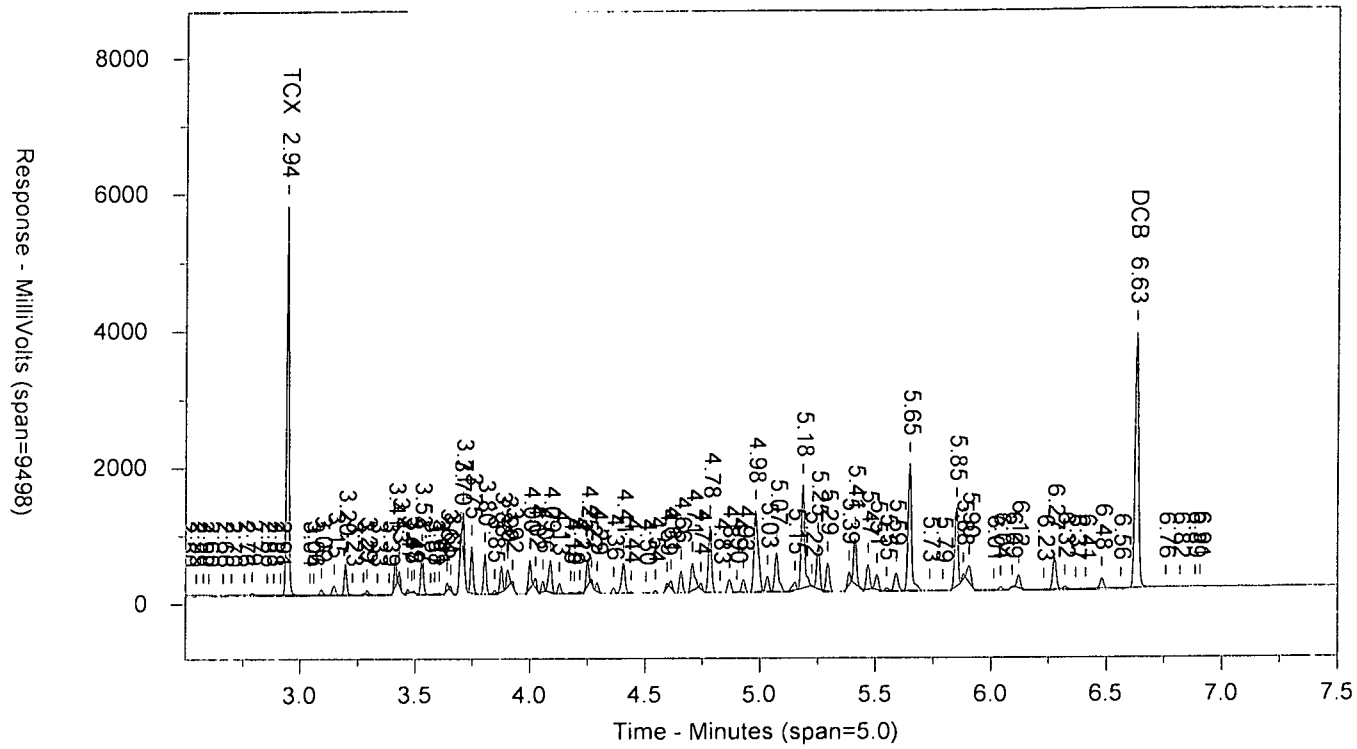

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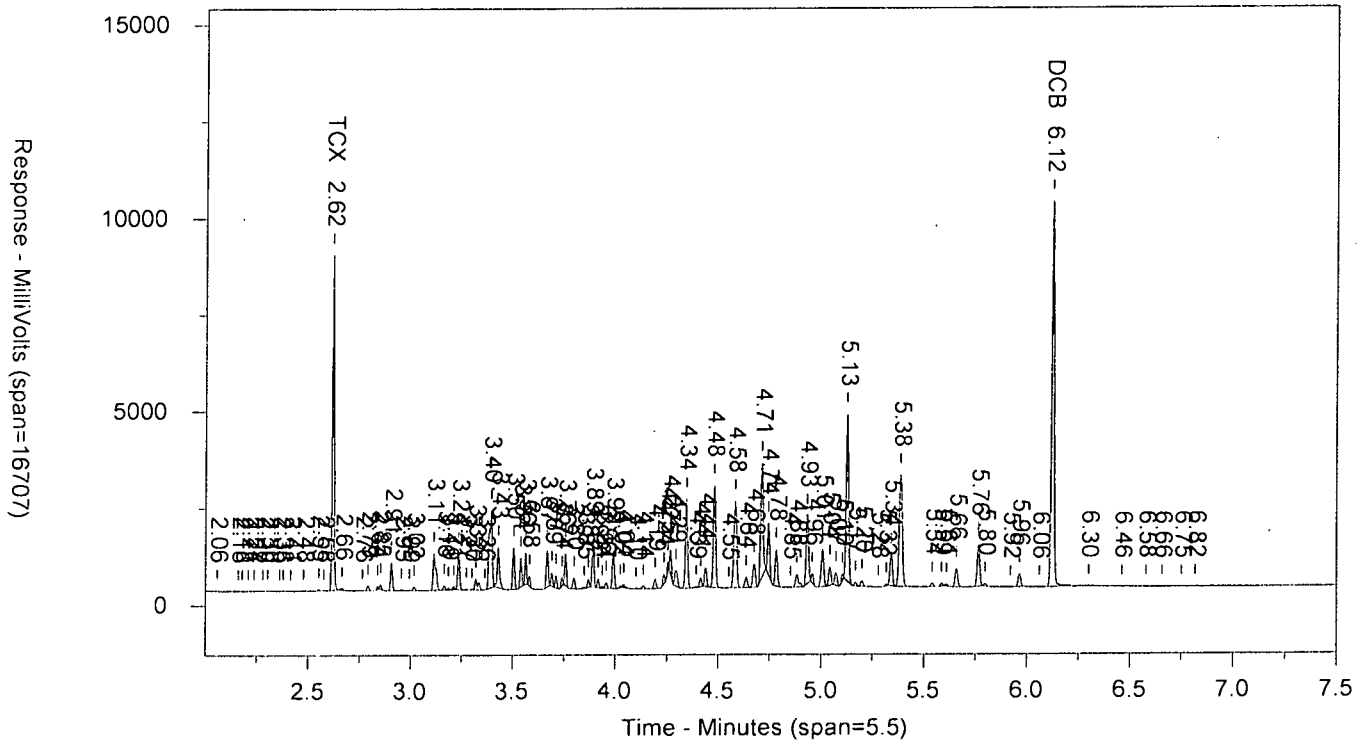

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AEPIBLKAE PIBLK1714599999 10736 SW-846 8082
Injected On: 5/26/2017 7:26:12 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		629	642
2.044		8314	8970
2.089		9280	16533
2.177		1256	585
2.239		12869	12347
2.299		1586	2298
2.339		31216	25388
2.374		2258	1892
2.469		389	197
2.503		5104	5049
2.545		2673	2213
2.601		3053	2607
2.667		779	866
2.7		1026	616
2.718		1230	721
2.754		2510	3490
2.791		29632	29002
2.884		2113	1647
2.913		3021	2095
2.945	TCX	2778055	1959117
3.042		549	381
3.061		1589	1097
3.093		662	484
3.142		39371	28836
3.226		1941	1840
3.275		7514	6986
3.305		1343	845
3.391		1932	2975
3.463		1938	1557
3.522		1574	1138
3.54		916	904
3.587		4577	2934
3.63		3858	4872
3.693		15618	14680
3.74		770	640
3.775		1620	1736
3.836		1530	1625
3.872		1847	2270
3.913		2027	2065
3.963		2221	1663
3.986		841	541
4.06		1459	1871
4.113		606	591
4.135		1266	1125
4.192		13514	14548
4.235		1473	1510
4.301		8234	12413
4.365		1573	3322
4.391		443	425
4.442		1576	2124
4.518		1144	1781
4.6		1326	2326
4.656		4142	6064
4.745		893	1525

RT A	Compound A	Height A	Area A
4.828		705	880
4.866		625	833
4.904		1105	957
5.019		5629	10778
5.064		1895	2038
5.144		2353	2684
5.186		526	402
5.224		538	649
5.306		431	1058
5.371		3709	5988
5.446		1436	1990
5.476		3430	3654
5.549		2004	2127
5.603		713	928
5.671		3180	3229
5.702		2578	2854
5.751		2626	2453
5.806		382	822
5.887		243	2168
5.903		502	263
5.928		497	476
5.956		536	454
6.009		2151	2723
6.043		10674	10141
6.107		8187	9128
6.14		440	91
6.164		820	3219
6.242		849	2699
6.306		2348	4992
6.365		1711	1545
6.408		1374	1363
6.438		676	184
6.482		18444	23186
6.558		689	393
6.571		761	359
6.633	DCB	2020968	2061600
6.705		671	164
6.727		1028	750
6.78		1642	3095
6.829		2578	3817
6.881		599	581
6.914		3086	3711
6.987		676	494

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AEPIBLKAE PIBLK1714599999 10736 SW-846 8082
Injected On: 5/26/2017 7:26:12 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.056		5192	5110
2.161		4400	6301
2.209		3842	4622
2.239		3414	3576
2.281		3034	3503
2.415		2754	3336
2.481		3385	9121
2.536		3992	1815
2.552		66950	58042
2.597		2809	1305
2.62	TCX	4162195	2555799
2.708		1998	3035
2.764		4304	5801
2.819		1078	1257
2.838		53934	33843
2.889		1411	1604
2.955		12658	10290
2.996		2326	1523
3.031		2796	2808
3.116		4765	4227
3.162		2252	5256
3.198		3828	4717
3.281		3620	2644
3.301		7042	3696
3.337		24126	15728
3.365		3790	3017
3.388		4054	2827
3.422		5875	5110
3.441		2069	1513
3.461		2320	1463
3.524		2687	3829
3.569		3436	4363
3.596		4569	15629
3.677		11665	22833
3.728		5870	7981
3.752		3237	4677
3.827		3975	4597
3.903		6912	8310
3.958		39208	61796
4.062		2483	2083
4.092		8093	6430
4.14		4911	21048
4.219		6533	10125
4.25		2312	3045
4.31		2328	4279
4.387		2263	2265
4.417		1309	935
4.46		6058	5326
4.502		4145	8328
4.609		2646	2091
4.662		4411	3417
4.683		2229	1268
4.785		5541	10766
4.86		14262	13148

RT B	Compound B	Height B	Area B
5.037		3183	8614
5.082		4788	4757
5.177		1679	1036
5.2		7983	5954
5.324		1087	234
5.361		8851	15417
5.464		657	23885
5.491		2028	2054
5.542		28971	26015
5.584		1294	790
5.611		20132	20498
5.666		5958	7604
5.746		1355	930
5.854		1397	2307
5.923		2377	2055
5.966		41524	35497
5.997		2221	1610
6.125	DCB	4686215	4270625
6.245		1530	2207
6.582		5187	7098
6.764		1314	4092
6.906		3213	5616

IBLKX1724A AEPIBLKAE PIBLK1714599999 10736 SW-846 8082

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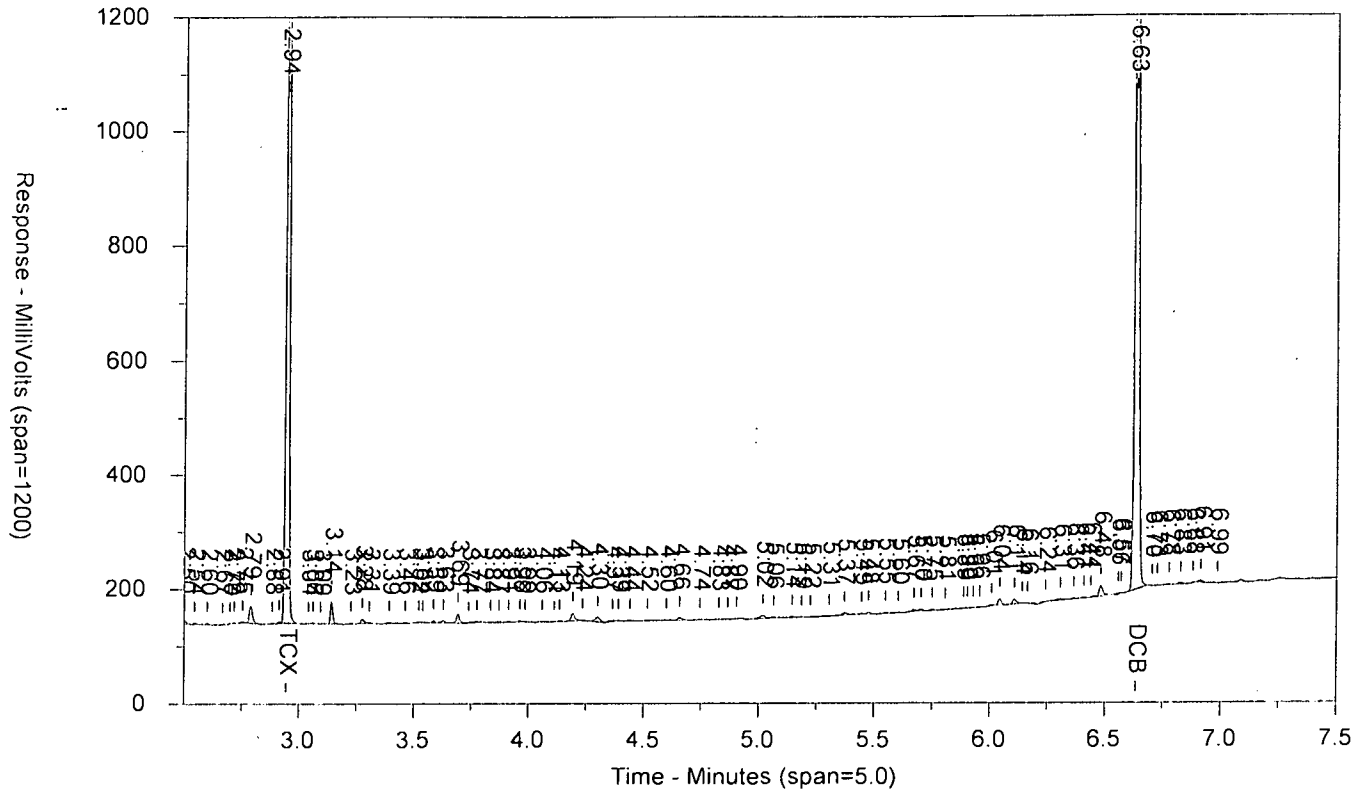

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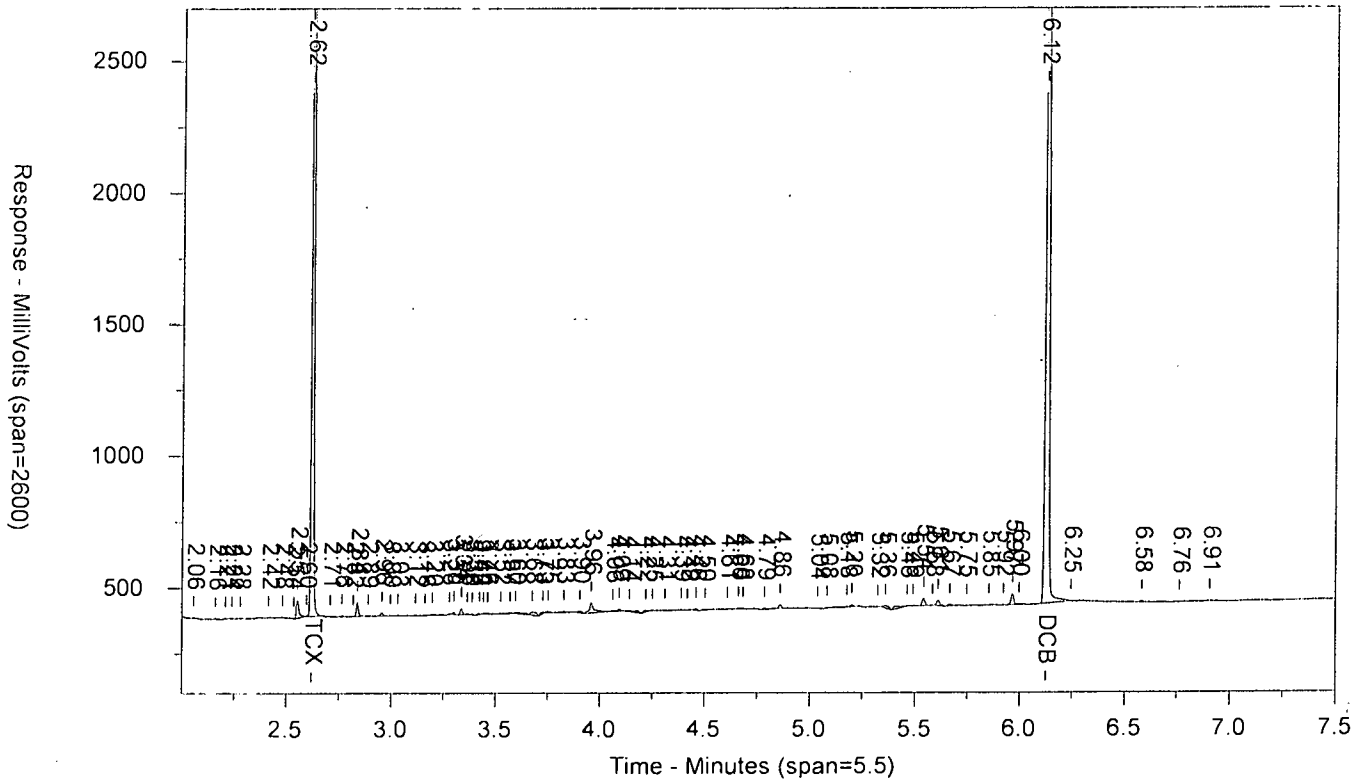

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AEPIBLKAE PIBLK1714599999 10736 SW-846 8082
Injected On: 5/26/2017 7:26:12 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2778055	.199	TCX	2.62	4162195	.219	TCX
6.633	2020968	.203	DCB	6.125	4686215	.199	DCB

Files:
Area File: 25pcbs17116021.028.RAW
Area File: 25pcbs17116021B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 7:34:44 PM
File Reported On: 5/26/2017 at 7:34:50 PM

IBLKX1724A AEPIBLKAE PIBLK1714599999 10736 SW-846 8082

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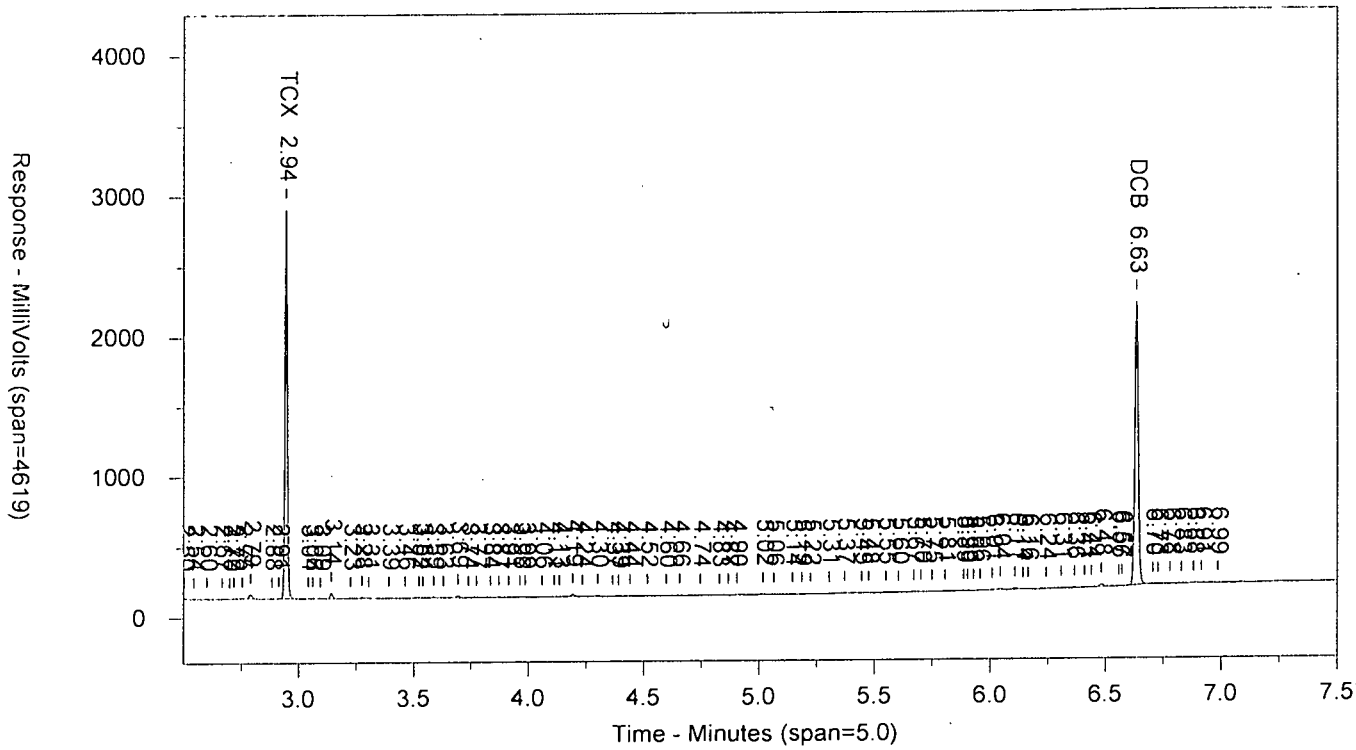

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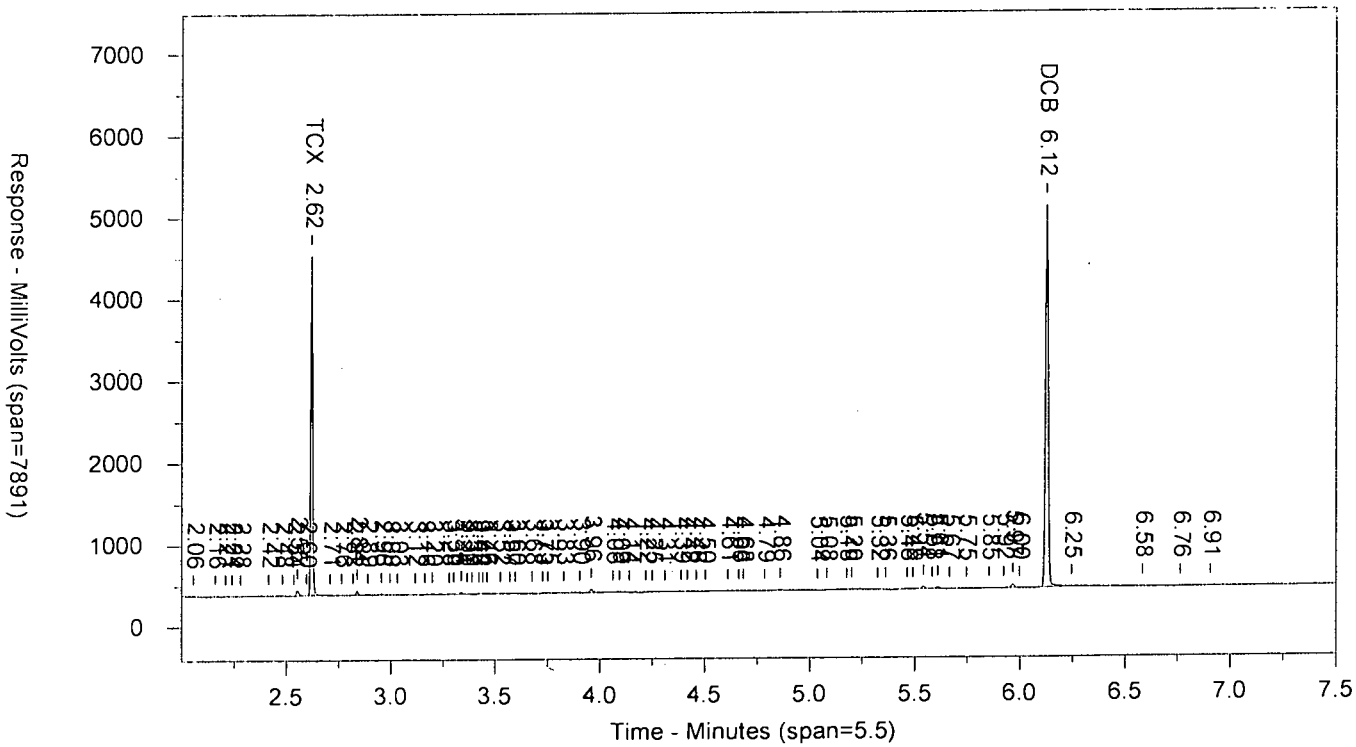

LANCASTER LABORATORIES

Sample Number: AR1631724A FQAR163FQ CCAL 1714599999 10736 SW-846 8082
Injected On: 5/26/2017 10:04:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.042.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		489	485
2.043		6626	7052
2.089		7080	10698
2.239		24132	19429
2.296		1274	1333
2.34		25163	23067
2.375		2503	1881
2.448		834	973
2.504		4137	4341
2.546		2519	2112
2.578		5049	3380
2.602		960	597
2.663		1002	1298
2.703		832	816
2.718		618	299
2.753		2646	4124
2.791		18931	17503
2.856		1321	982
2.886		1869	1508
2.914		2128	1455
2.944	TCX	5545761	3996803
3.035		1247	1143
3.059		1329	926
3.092		74176	64929
3.148		124922	121846
3.197		445242	338370
3.275		7078	3615
3.292		53455	35365
3.335		1365	985
3.391		667	637
3.415		446626	277617
3.432		204950	109127
3.469		57991	33556
3.485		3579	1308
3.496		31427	16694
3.531		575249	447151
3.568		2115	1118
3.587		7617	4488
3.607		16003	10825
3.642		125197	73706
3.656		63284	31163
3.701		177021	119664
3.711		610263	329453
3.748		691398	533115
3.806		605228	473250
3.848		46024	33172
3.877		386245	295932
3.905		263328	218198
3.925		58996	36393
3.962		1070	735
4.001		422962	320837
4.025		147079	99922
4.057		164830	123227
4.091		473526	461522

RT A	Compound A	Height A	Area A
4.131		149579	125407
4.179		14285	9934
4.193		3527	1732
4.218		27117	18972
4.252		407917	305395
4.269		68610	36622
4.294		124556	100645
4.365		75511	63481
4.408		448806	461325
4.442		13967	10399
4.481		520	307
4.505		3803	3335
4.546		36151	32116
4.596		55809	39902
4.613		108207	76641
4.658		318948	298274
4.707		424707	474390
4.744		93769	65558
4.783		989303	930453
4.829		5389	4279
4.869		190644	196929
4.902		10816	6925
4.93		184189	182722
4.982		1223453	1523926
5.033		210584	209501
5.073		558524	643953
5.153		118225	140052
5.186		1471549	1573065
5.226		13465	5791
5.253		660564	625566
5.295		411695	423017
5.389		180821	148763
5.413		708842	645801
5.469		392506	368812
5.508		222874	233575
5.55		40647	41435
5.59		258003	309447
5.648		1856525	2047266
5.743		1765	1872
5.796		1159	750
5.851		1195290	1127462
5.882		70826	45376
5.907		254838	278300
5.948		1020	1028
6.01		2177	2910
6.044		44590	42726
6.095		16046	13322
6.122		203867	199456
6.237		1431	2038
6.278		487088	502850
6.324		35933	33610
6.367		2794	3197
6.416		1407	2461
6.482		158837	170906
6.562		611	433
6.577		364	260
6.632	DCB	3844884	4138933
6.692		1637	800
6.719		782	537
6.809		526	105
6.828		2730	3475
6.907		4774	10792
6.945		883	989

LANCASTER LABORATORIES

Sample Number: AR1631724A FQAR163FQ CCAL 1714599999 10736 SW-846 8082
Injected On: 5/26/2017 10:04:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.042.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.056		10489	9425
2.16		1376	1479
2.21		3066	3408
2.238		3273	3309
2.278		1820	1297
2.302		5629	3868
2.364		2466	3415
2.415		3670	3919
2.482		2768	4627
2.536		2560	1274
2.552		33970	23325
2.62	TCX	8630319	5348339
2.664		53790	38418
2.71		3054	3488
2.765		2572	1812
2.791		125098	87059
2.838		73511	35643
2.853		117377	64369
2.905		717235	451417
2.955		23145	15541
3.017		98315	70461
3.114		966207	936731
3.165		117804	75325
3.187		51331	29354
3.213		85706	48728
3.236		960941	637891
3.273		32780	20780
3.302		12435	5800
3.32		247604	130964
3.336		151870	77768
3.365		4041	2166
3.387		533248	252829
3.396		1037856	458486
3.43		1100281	823822
3.505		1133309	716232
3.54		776872	483203
3.564		823404	459104
3.582		261219	134270
3.669		936489	628181
3.691		363542	200327
3.712		342753	202894
3.742		224746	114700
3.759		853813	516073
3.8		292299	217955
3.849		40286	33244
3.87		217427	133748
3.892		1146614	755586
3.918		227264	138253
3.938		40321	19492
3.958		154970	103795
3.992		977749	662117
4.026		43472	25055
4.042		73134	48825
4.102		10987	11626

RT B	Compound B	Height B	Area B
4.138		71804	59067
4.194		256318	187328
4.237		266865	154282
4.255		283601	143829
4.269		659833	360266
4.295		383558	399581
4.347		2263549	1700569
4.395		31679	23750
4.417		243905	162024
4.441		481602	369216
4.484		2711799	2039031
4.586		2160966	2109679
4.64		269826	229758
4.677		626186	519193
4.714		2998162	2447004
4.747		1280755	908671
4.785		932451	746863
4.855		3199	3246
4.884		331917	341835
4.935		1705824	1380545
4.96		241877	162177
5.009		937416	853215
5.045		495702	390756
5.075		340351	278323
5.107		161219	89810
5.128		4338530	3543639
5.17		91873	69533
5.201		158154	131503
5.279		2192	1727
5.319		47125	29050
5.343		850605	697813
5.387		2944864	3167093
5.543		101055	88541
5.588		81770	60812
5.611		64599	47333
5.66		489271	439881
5.767		1097325	956556
5.798		72643	54560
5.923		2626	2632
5.966		358210	312276
6.018		1972	1490
6.088		1486	553
6.126	DCB	9886627	8931703
6.306		5634	8592
6.579		9735	12016
6.654		2385	4402
6.756		2061	1881
6.905		2588	3159

AR1631724A FQAR163FQ CCAL 1714599999 10736 SW-846 8082

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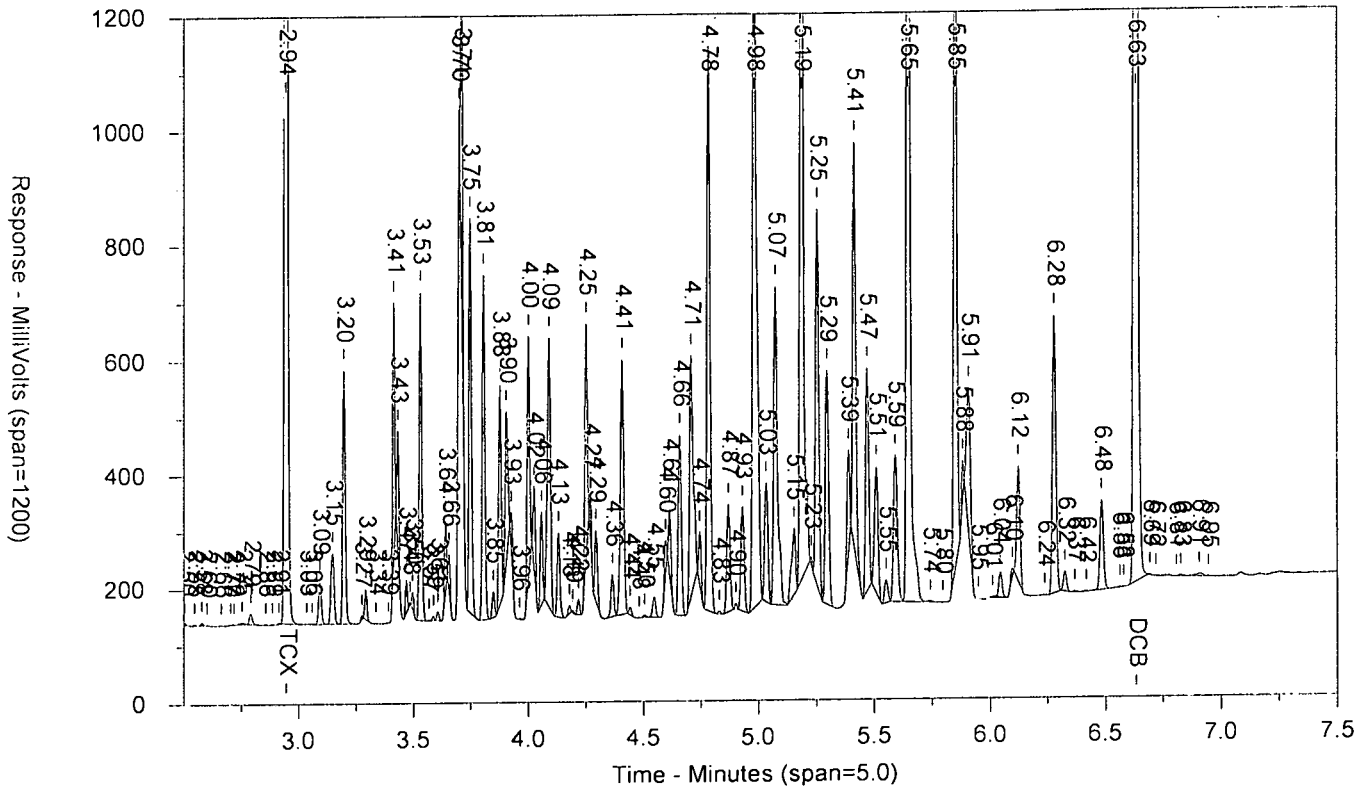

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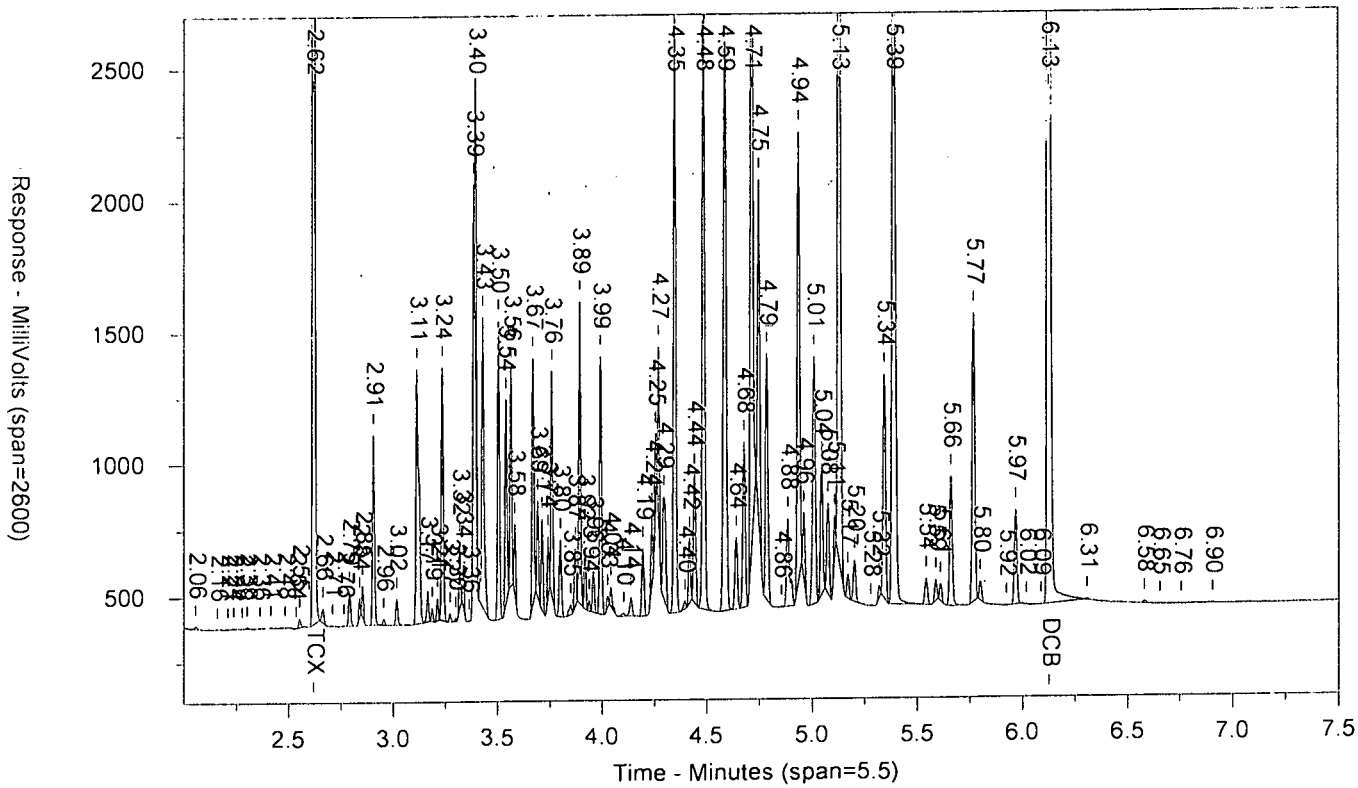

LANCASTER LABORATORIES

Sample Number: AR1631724A FQAR163FQ CCAL 1714599999 10736 SW-846 8082
Injected On: 5/26/2017 10:04:49 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	5545761	39.677	TCX	2.62	8630319	45.321	TCX
6.632	3844884	38.571	DCB	6.126	9886627	41.94	DCB

Files:
Area File: 25pcbs17116021.042.RAW
Area File: 25pcbs17116021B.042.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 10:13:20 PM
File Reported On: 5/26/2017 at 10:13:48 PM

AR1631724A FQAR163FQ CCAL 1714599999 10736 SW-846 8082

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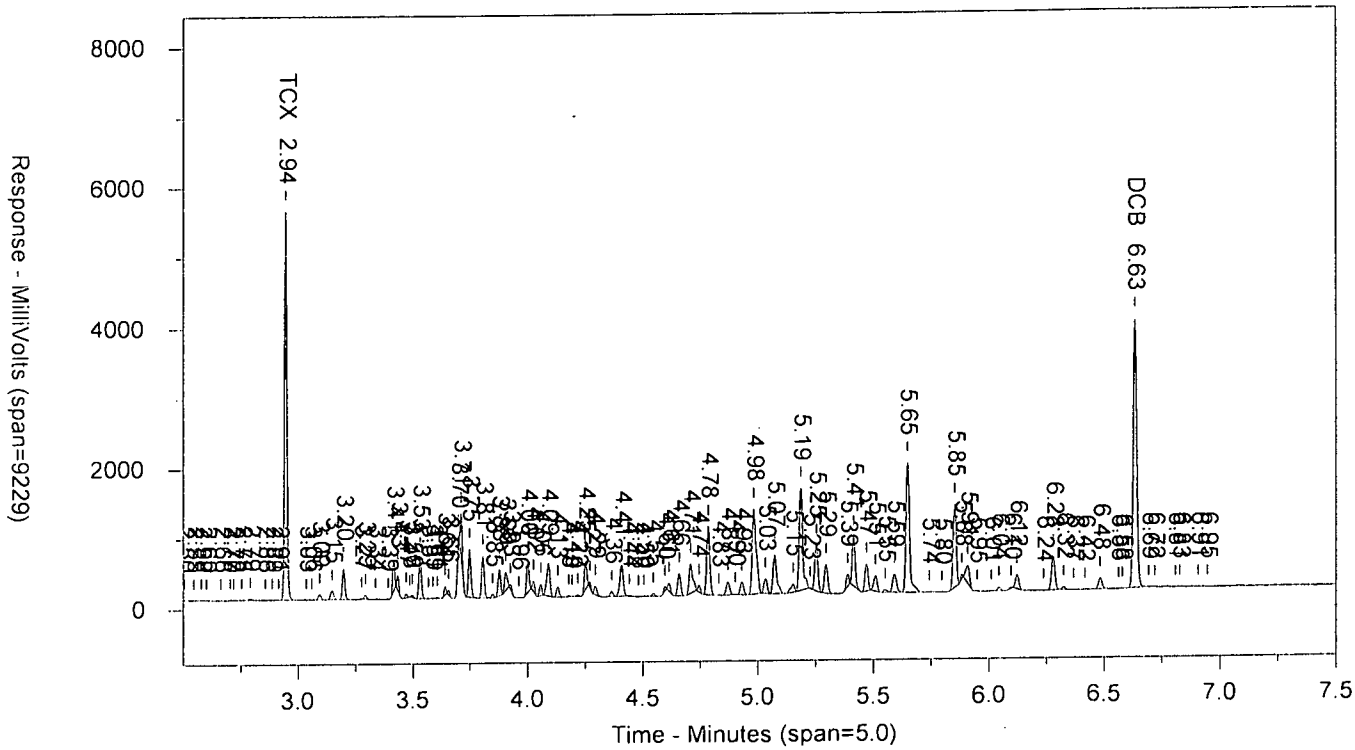

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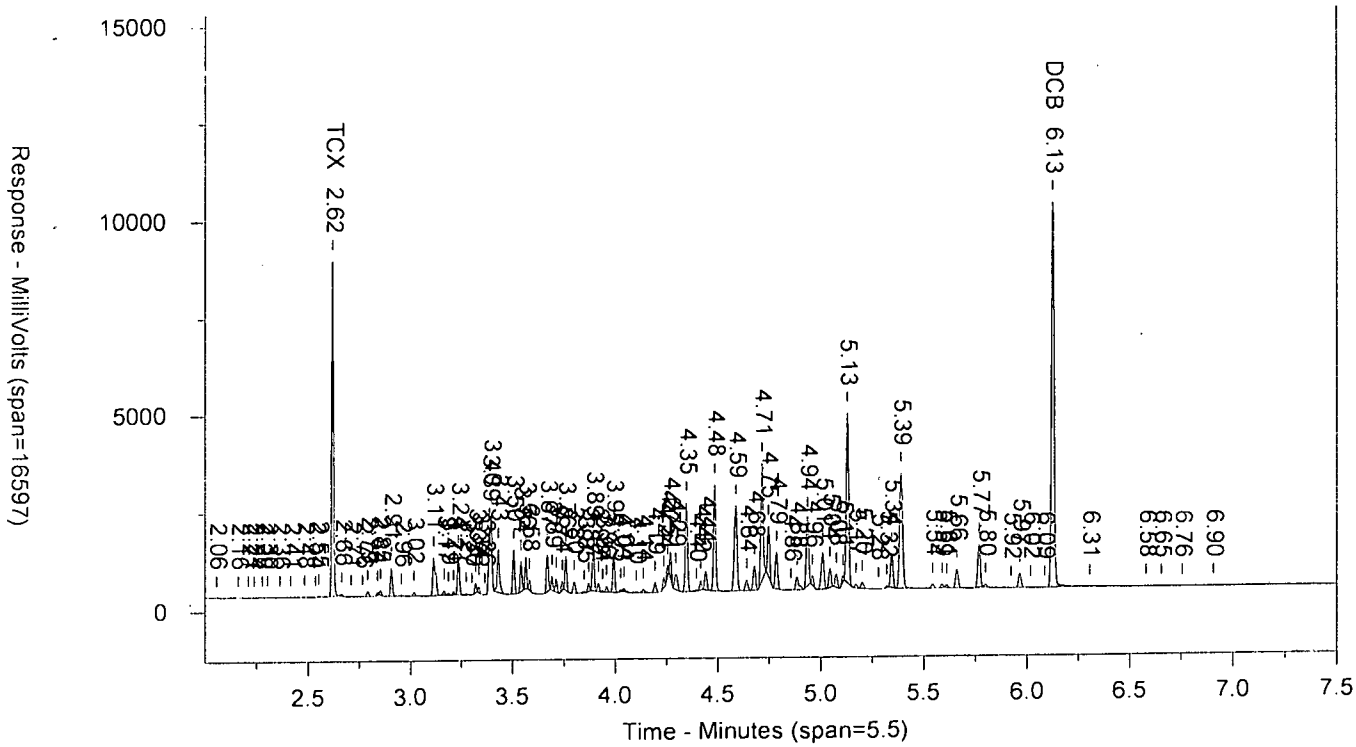

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AFPIBLKAF PIBLK1714599999 10736 SW-846 8082
Injected On: 5/26/2017 10:16:15 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.043.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		453	394
2.045		6726	6979
2.09		7686	18895
2.178		3686	5140
2.24		13101	11305
2.284		432	147
2.302		694	665
2.34		29909	24268
2.375		2463	3300
2.449		473	304
2.503		4571	6730
2.548		2270	1946
2.602		2238	1791
2.663		813	883
2.719		1379	1681
2.758		2546	4147
2.792		21589	20490
2.885		747	609
2.915		2358	1574
2.945	TCX	2869721	2039496
3.042		1177	979
3.065		753	569
3.111		458	413
3.143		39230	27663
3.227		570	603
3.276		8248	8692
3.38		470	315
3.405		702	561
3.425		454	292
3.523		1937	1737
3.559		752	649
3.589		4459	2972
3.633		3195	3614
3.696		12289	11446
3.747		834	778
3.778		1620	1072
3.797		752	748
3.878		2351	2371
3.919		1208	904
3.966		2155	2000
4.056		651	966
4.116		586	773
4.196		14119	14585
4.242		1902	1613
4.303		6522	7388
4.364		730	1289
4.391		674	599
4.549		818	1716
4.617		903	1450
4.658		3203	4432
4.752		451	154
4.779		778	555
4.83		413	257
4.884		320	109

RT A	Compound A	Height A	Area A
4.907		1505	1260
5.024		4952	8090
5.068		1245	1343
5.121		476	160
5.148		2860	3838
5.234		527	815
5.28		408	288
5.376		3039	4773
5.445		1501	1992
5.478		3524	3797
5.55		2827	2904
5.598		821	719
5.672		4429	4210
5.701		1823	1735
5.752		6378	6367
5.803		574	680
5.85		494	699
5.935		637	1373
5.964		628	885
6.011		2100	2837
6.044		12286	12490
6.109		10250	11859
6.174		895	1281
6.24		657	1604
6.264		628	679
6.31		585	1212
6.322		1028	839
6.367		1540	1592
6.411		1328	1423
6.436		421	155
6.483		15643	14377
6.507		4235	3040
6.574		688	1159
6.633	DCB	2040625	2186081
6.737		1058	1629
6.776		2478	3758
6.833		2235	3268
6.878		176	187
6.891		455	125
6.912		3472	5172

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AFPIBLKAF PIBLK1714599999 10736 SW-846 8082
Injected On: 5/26/2017 10:16:15 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.043.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		5309	4678
2.16		4475	5433
2.209		4005	4071
2.238		3109	3230
2.278		1463	2297
2.368		2975	3934
2.415		2966	2701
2.501		4039	10826
2.536		2794	1452
2.552		44568	35854
2.596		1916	847
2.62	TCX	4321231	2693139
2.705		2312	3222
2.838		56438	36906
2.955		12721	9372
3.078		1350	1665
3.118		2676	2718
3.181		984	4772
3.195		2714	1612
3.239		1312	1313
3.279		2500	1633
3.301		9277	5152
3.337		20087	13846
3.366		2546	1654
3.389		3769	3144
3.423		8225	8939
3.463		2340	1643
3.495		1460	799
3.539		1244	495
3.56		4441	5457
3.645		2790	2757
3.693		5027	10524
3.728		7846	18047
3.845		1865	2419
3.91		5486	6374
3.961		38006	49895
4.094		7916	9320
4.17		3009	6112
4.252		5188	20163
4.419		2016	1302
4.459		5158	4742
4.508		3114	5982
4.554		1185	1062
4.617		2720	2835
4.666		2424	1591
4.687		3616	2503
4.788		5456	11131
4.863		14257	15484
5.024		602	1398
5.082		4853	4086
5.202		10996	9629
5.236		1921	1377
5.362		14972	18122
5.413		5656	11240

RT B	Compound B	Height B	Area B
5.493		3000	6156
5.544		32611	28919
5.612		26595	24511
5.663		6766	8088
5.79		1184	2268
5.849		1465	1721
5.967		43959	45971
5.997		2295	3343
6.127	DCB	5015328	4659210
6.253		2344	6944
6.583		4786	7057
6.659		1563	1412
6.905		3194	5304
6.972		1199	676

IBLKX1724A AFPIBLKAF PIBLK1714599999 10736 SW-846 8082

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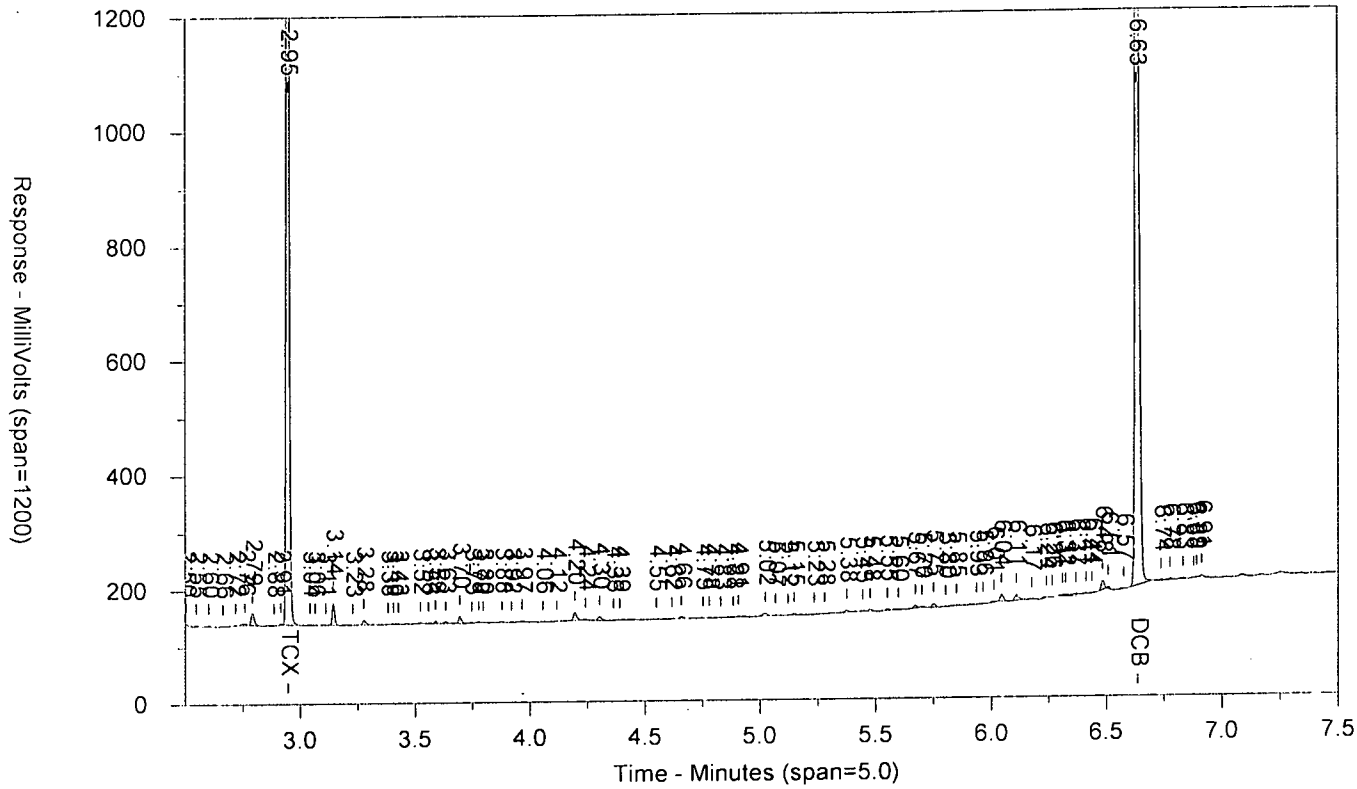

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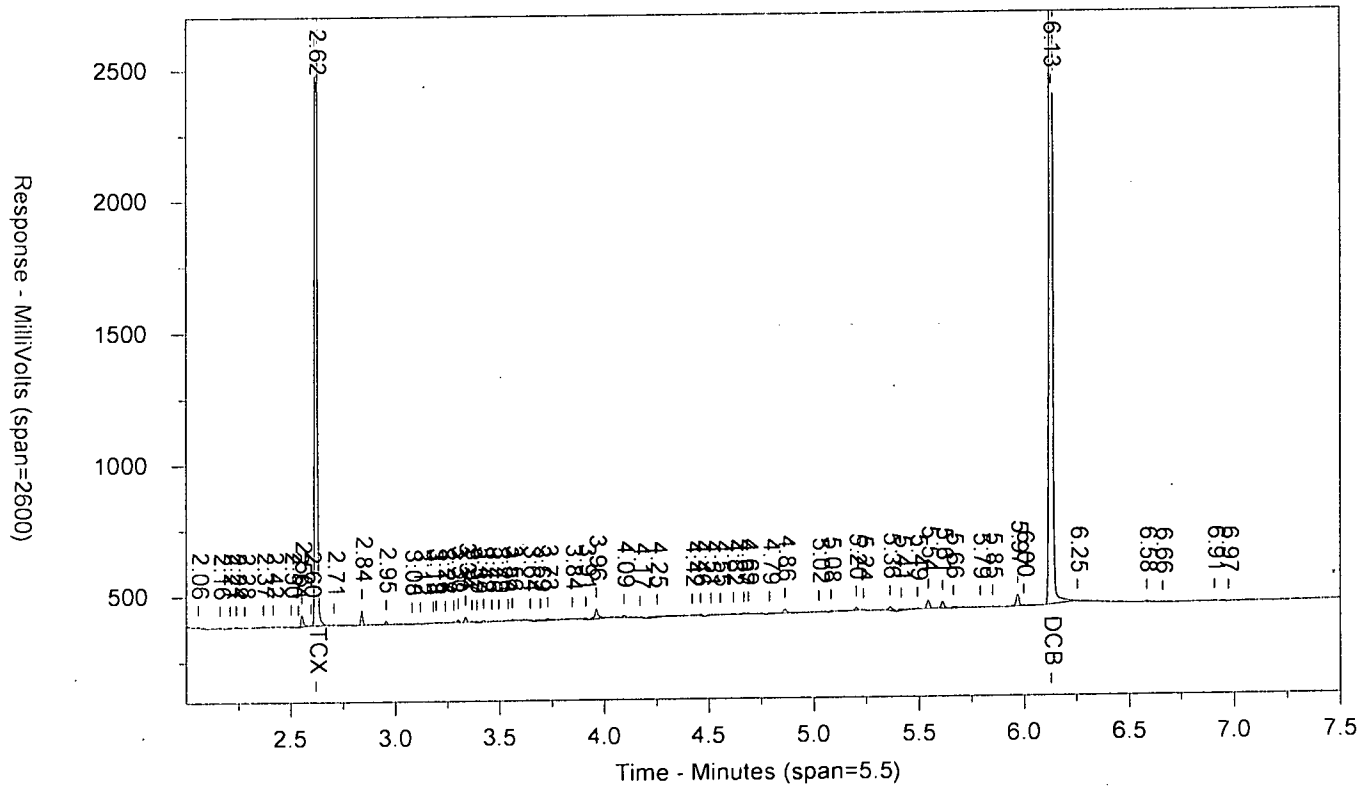

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AFPIBLKAF PIBLK1714599999 10736 SW-846 8082
Injected On: 5/26/2017 10:16:15 PM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2869721	.205	TCX	2.62	4321231	.227	TCX
6.633	2040625	.205	DCB	6.127	5015328	.213	DCB

Files:
Area File: 25pcbs17116021.043.RAW
Area File: 25pcbs17116021B.043.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 10:25:05 PM
File Reported On: 5/26/2017 at 10:25:15 PM

IBLKX1724A AFPIBLKAF PIBLK1714599999 10736 SW-846 8082

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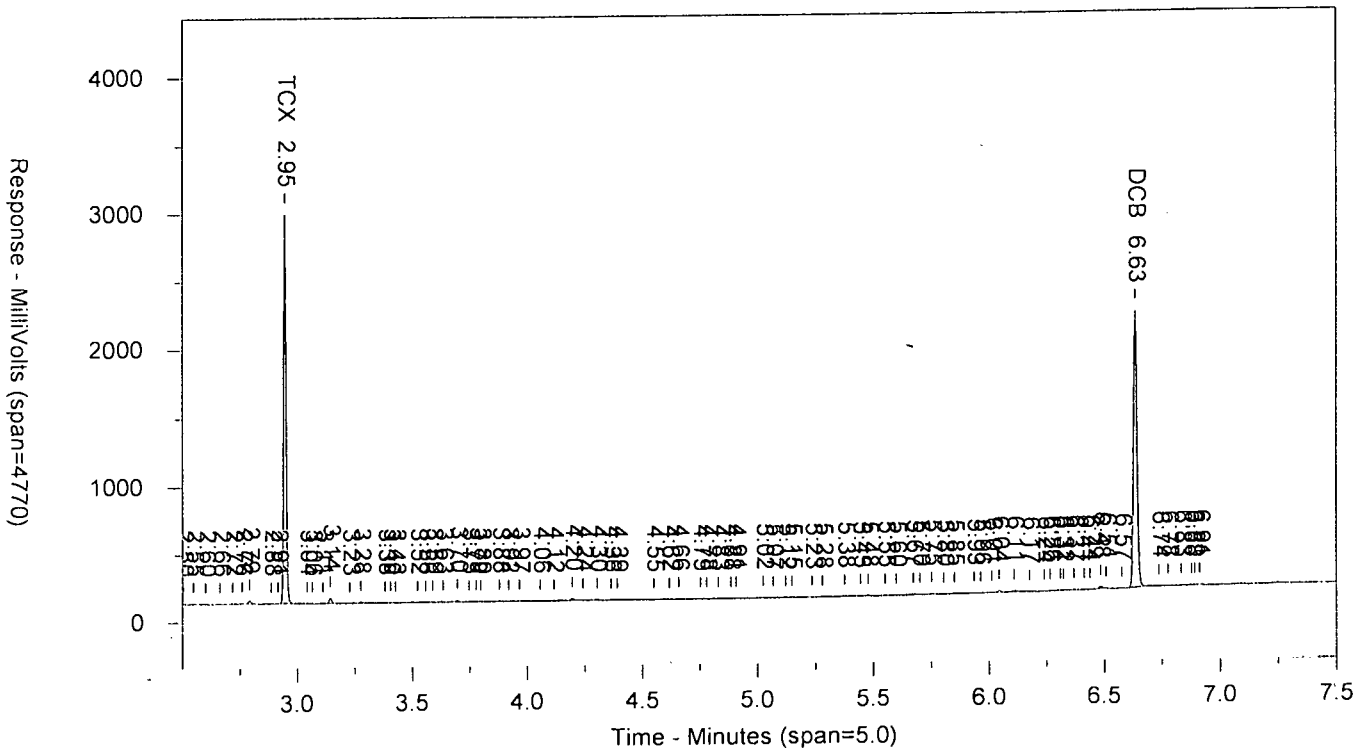

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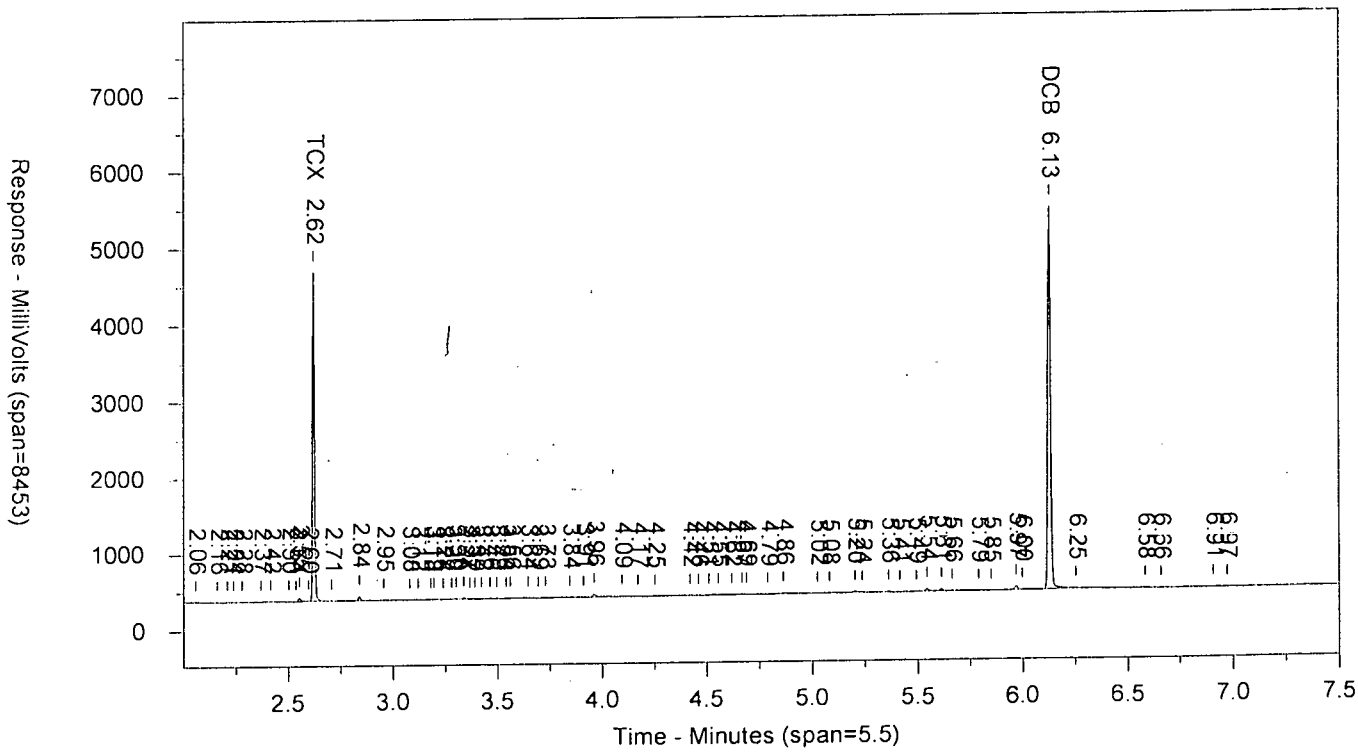

LANCASTER LABORATORIES

Sample Number: AR1631724A EMAR163EM CCAL 1714399999 10736 SW-846 8082
Injected On: 5/24/2017 10:51:52 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.016.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.097		26886	40186
2.142		4228	7922
2.217		16328	12926
2.309		15513	9589
2.328		4959	2891
2.377		2583	2707
2.424		6447	5462
2.548		2213	1241
2.565		4449	2807
2.656		1317	1088
2.72		1322	1406
2.774		20198	15095
2.828		8302	11528
2.923	TCX	4674456	3110694
3.076		76136	62867
3.133		100860	102952
3.181		421171	298169
3.253		8670	4793
3.274		55183	35931
3.313		1504	951
3.357		2316	1698
3.395		427585	247981
3.412		182850	96173
3.449		49690	28285
3.464		14606	6045
3.481		37425	21759
3.511		461183	342280
3.546		1712	781
3.566		13312	7938
3.584		15155	8731
3.62		97911	55552
3.635		44390	22039
3.68		164721	96990
3.69		460329	228577
3.726		515142	385537
3.786		406409	324712
3.826		35394	23570
3.853		295618	220492
3.881		216014	181981
3.902		60719	32924
3.977		346639	245088
4.001		114534	75438
4.032		131842	95110
4.068		335576	349845
4.107		111473	90474
4.153		15040	11479
4.191		19798	16469
4.226		361287	275120
4.246		93454	53011
4.269		97216	67007
4.295		3385	2432
4.337		59304	50082
4.38		392171	363073
4.414		12015	7687

RT A	Compound A	Height A	Area A
4.476		4300	3687
4.518		45975	49070
4.572		41477	27795
4.587		79513	53676
4.633		253459	227686
4.678		355709	395374
4.715		83666	59438
4.754		822765	765010
4.8		5574	5506
4.846		135711	152819
4.875		14024	8969
4.903		147014	134994
4.955		999572	1225265
5.004		173101	157878
5.048		456654	503334
5.09		7561	4357
5.127		97239	120800
5.163		1079125	1066962
5.185		24919	15162
5.226		548890	483821
5.268		335899	328452
5.37		25676	38122
5.39		550737	496101
5.448		299964	275452
5.488		167616	149113
5.529		44990	44972
5.574		219256	212735
5.63		1507898	1565296
5.744		1569	1227
5.836		860918	859781
5.876		47063	61607
5.889		101811	70228
5.992		798	600
6.021		46310	46193
6.086		37232	30910
6.108		134109	116381
6.179		6057	17340
6.265		348290	350235
6.311		24953	24473
6.388		2455	2879
6.465		115795	115023
6.61	DCB	2782478	2993443
6.719		1440	1319
7.067		2926	3834
7.727		1065	1279
8.081		1387	2470
8.68		2736	3616

LANCASTER LABORATORIES

Sample Number: AR1631724A EMAR163EM CCAL 1714399999 10736 SW-846 8082
Injected On: 5/24/2017 10:51:52 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.016.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		14355	9467
2.053		40122	28204
2.157		6860	7016
2.181		7849	18767
2.236		25546	36737
2.299		25981	18706
2.361		18804	13058
2.41		27625	65767
2.474		7551	11725
2.545		47466	24858
2.571		8507	6520
2.592		6907	3972
2.615	TCX	28444040	16468800
2.658		180783	124603
2.703		7101	6559
2.785		462062	301181
2.833		244932	112851
2.846		380742	192650
2.898		2256437	1418762
2.948		70431	45750
3.009		306217	205272
3.084		7261	3221
3.105		1992830	953911
3.116		696018	252727
3.156		291012	175123
3.177		177611	97981
3.202		257185	140247
3.226		2873156	1855848
3.262		119092	70186
3.29		92856	45899
3.309		726625	379156
3.324		487533	236197
3.352		11956	5561
3.374		1617922	731713
3.383		3430357	1430307
3.403		124970	47957
3.416		2448003	1612333
3.491		3285663	2011045
3.525		2222674	1336270
3.549		2403548	1309419
3.567		774782	385122
3.652		2763273	1782112
3.674		851417	471791
3.696		899945	522860
3.724		629776	328235
3.741		2340297	1358852
3.782		817246	593490
3.83		141116	119390
3.852		625816	373571
3.874		3058448	2000066
3.899		685359	398416
3.918		109012	53340
3.937		316364	194543
3.972		2577034	1732755

RT B	Compound B	Height B	Area B
4.006		133523	82674
4.022		201577	134559
4.07		12015	7262
4.082		13791	7170
4.117		229010	236233
4.15		11539	5590
4.173		639412	447864
4.217		478343	284923
4.235		666277	324706
4.248		1579857	872962
4.274		1041177	1032015
4.326		5675694	4214120
4.374		83001	75394
4.395		657825	431841
4.42		1253343	915320
4.462		6768979	5116750
4.518		7706	8344
4.566		5553705	5112168
4.619		704526	587403
4.657		1514220	1303920
4.693		7027108	5803417
4.726		3221280	2172783
4.765		2247790	1804061
4.838		89863	64481
4.864		753645	774650
4.915		4208803	3258604
4.939		595190	383656
4.989		2212635	1968424
5.024		1135818	892457
5.055		848867	722090
5.086		365095	227879
5.109		9272979	7623188
5.15		217168	166377
5.182		481258	400899
5.301		110235	72781
5.325		1884009	1607449
5.369		5513803	6174472
5.471		12772	14997
5.524		323962	291315
5.569		179141	133028
5.593		293099	235067
5.642		1159863	994305
5.691		8064	8227
5.748		2427281	2024040
5.78		145442	108184
5.901		5270	3793
5.948		769814	666230
5.999		3271	2089
6.066		2605	2133
6.107	DCB	20219660	17747960
6.225		3890	1929
6.28		10128	13334
6.325		5692	3058
6.557		15166	14259
6.727		5249	10705
6.786		2700	2574
7.043		4816	8010
7.208		2110	8004
7.294		3671	13180
7.41		2273	4759
7.709		3490	7572
7.843		5229	16778
8.212		20242	33365
8.563		1013	486

AR1631724A EMAR163EM CCAL 1714399999 10736 SW-846 8082

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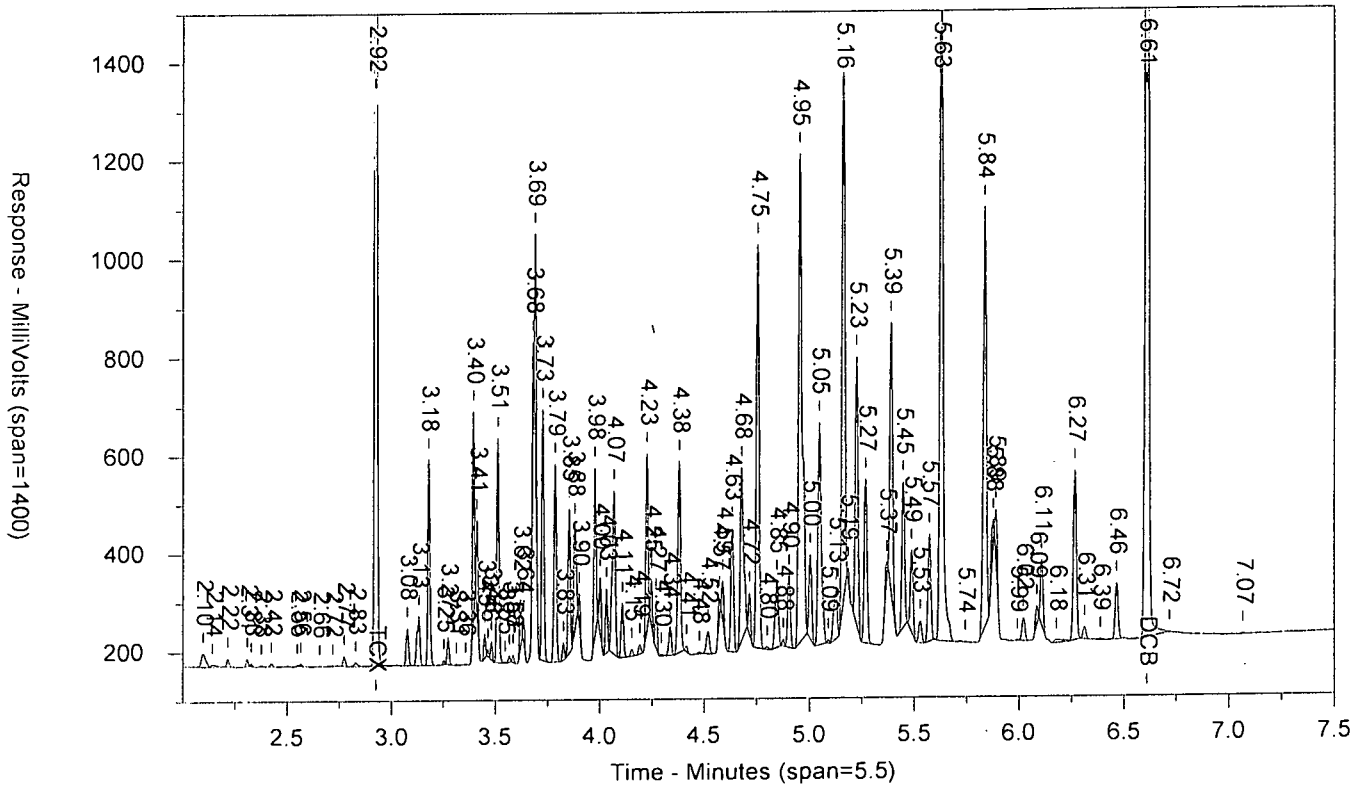

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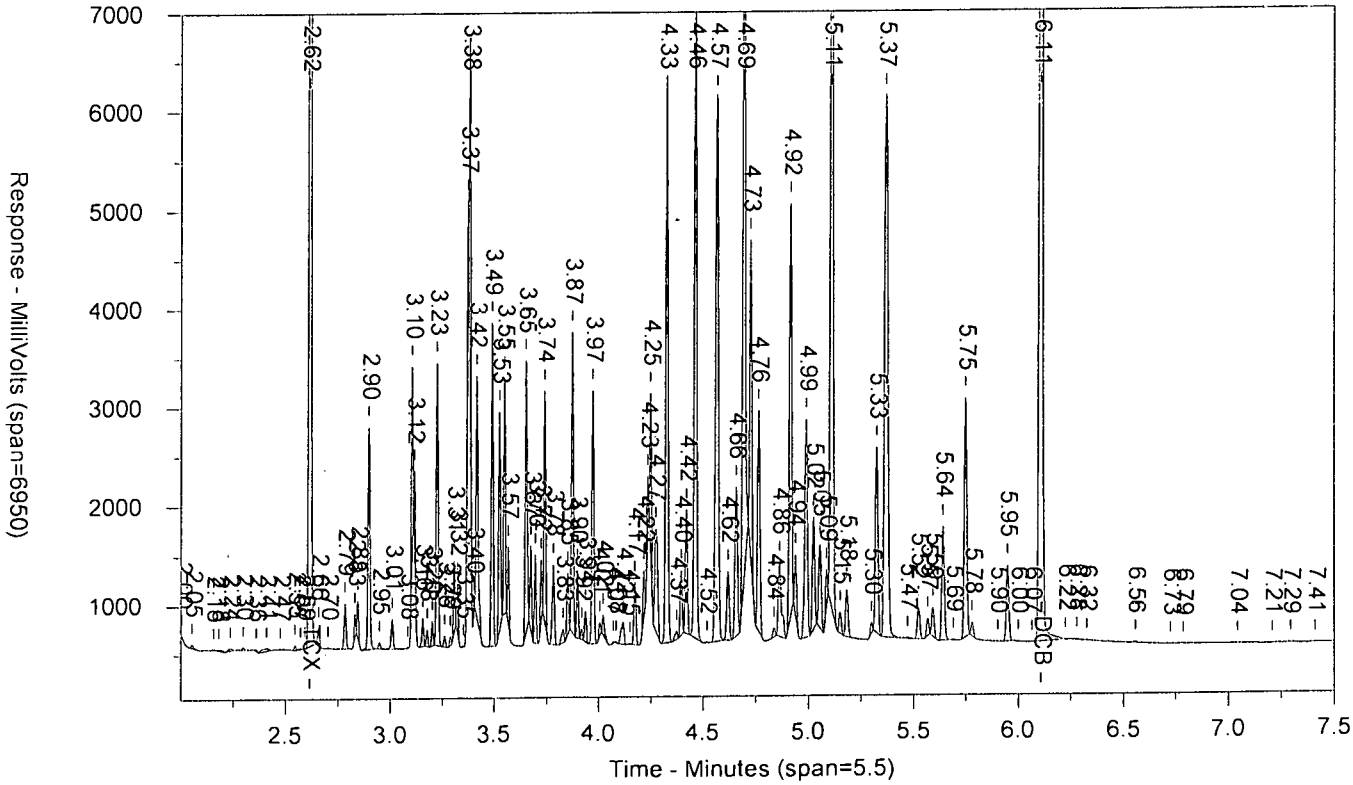

LANCASTER LABORATORIES

Sample Number: AR1631724A EMAR163EM CCAL 1714399999 10736 SW-846 8082
Injected On: 5/24/2017 10:51:52 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	4674456	41.134	TCX	2.615	28444040	41.145	TCX
6.61	2782478	40.433	DCB	6.107	20219660	41.504	DCB

Files:
Area File: 20pcbs17137007.016.RAW
Area File: 20pcbs17137007B.016.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 11:00:35 PM
File Reported On: 5/24/2017 at 11:00:44 PM

AR1631724A EMAR163EM CCAL 1714399999 10736 SW-846 8082

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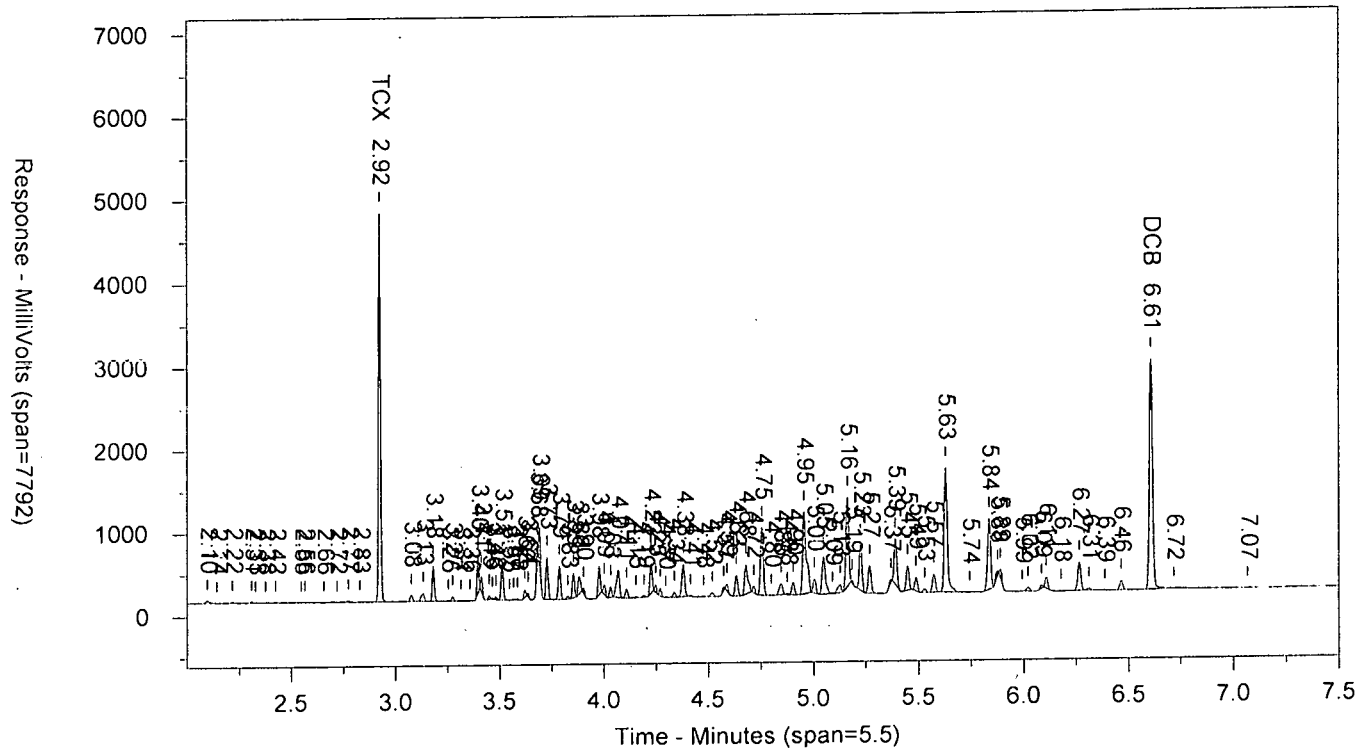

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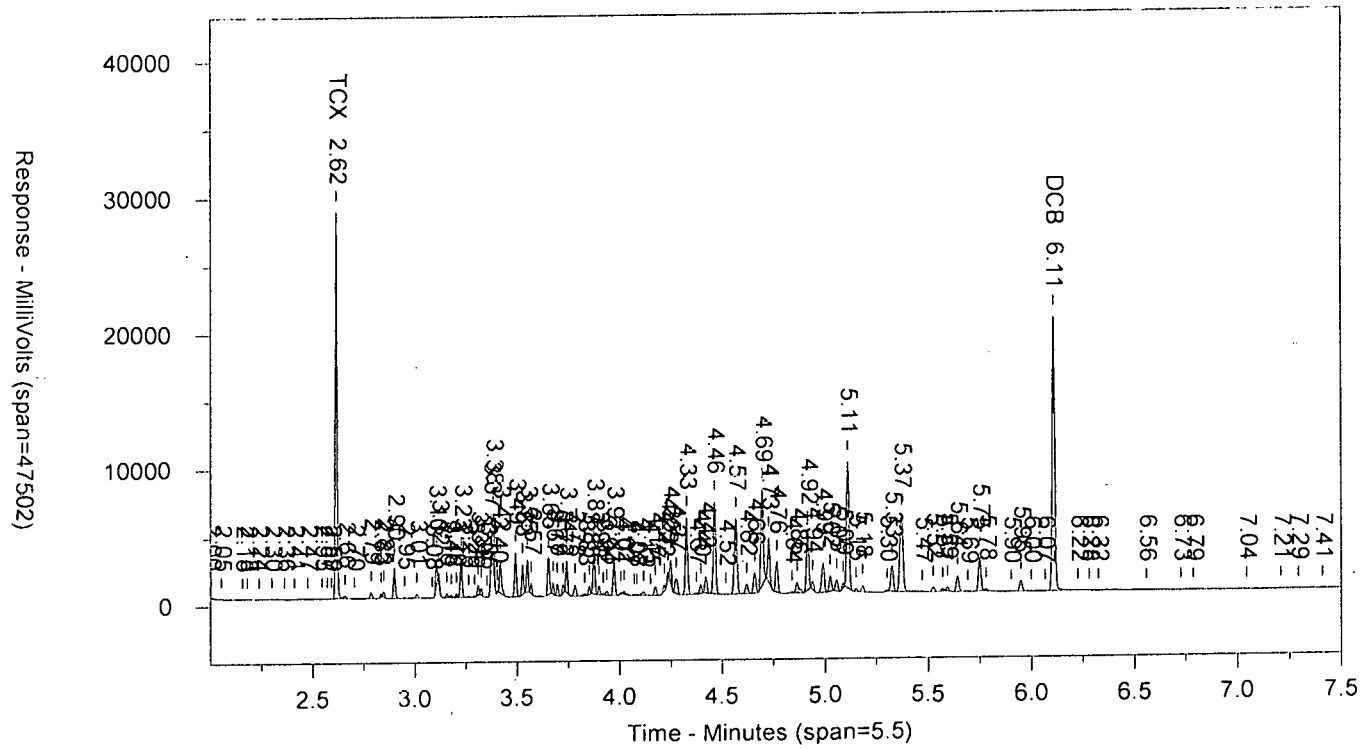

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YSPIBLKYS PIBLK1714399999 10736 SW-846 8082
Injected On: 5/24/2017 11:03:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.017.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		1339	2961
2.098		17609	36604
2.217		8823	7569
2.309		15822	9853
2.329		2644	1239
2.378		2864	3287
2.424		3116	3231
2.495		1585	1959
2.549		2304	1788
2.658		1032	758
2.733		1105	1541
2.775		20344	16225
2.829		3744	4239
2.924	TCX	2433465	1617143
2.989		1011	673
3.074		1289	1012
3.123		33280	21053
3.155		1060	789
3.192		3730	3253
3.234		1039	651
3.254		5481	3418
3.311		1146	978
3.391		1699	2459
3.464		1087	1149
3.531		2338	2143
3.566		8715	5546
3.665		12304	10135
3.732		813	676
3.749		1090	647
3.849		2225	2128
4.003		839	892
4.057		1475	1539
4.17		1436	1156
4.192		2306	2329
4.248		1329	2757
4.297		4749	4791
4.326		756	953
4.391		1835	4860
4.507		2701	3909
4.57		1220	1220
4.635		1486	1447
4.719		1192	1028
4.85		2050	1834
4.879		4747	3760
4.971		897	1661
5.046		3145	4014
5.118		9960	9845
5.163		1616	1294
5.202		2159	2528
5.375		2442	5719
5.445		1287	2970
5.53		9764	9948
5.652		18786	19759
5.84		2243	3139

RT A	Compound A	Height A	Area A
6.022		23264	22977
6.087		21758	19867
6.268		1280	1998
6.417		568	1202
6.465		15672	15681
6.61	DCB	1379775	1489000
6.729		1012	1287
7.063		1394	1372
8.121		780	530
8.681		4391	6787

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YSPIBLKYS PIBLK1714399999 10736 SW-846 8082
Injected On: 5/24/2017 11:03:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.017.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		8762	4865
2.053		19582	12379
2.119		2763	1941
2.154		12685	41136
2.239		26833	57268
2.355		6000	9530
2.411		10150	9021
2.452		5941	4352
2.476		7298	10032
2.546		59830	34751
2.615	TCX	14593490	8699170
2.704		3035	2966
2.735		3481	2296
2.778		7771	5013
2.8		2780	1398
2.832		199247	116195
2.914		8695	27156
2.948		36728	22799
3.002		4587	4311
3.086		3866	2797
3.182		8151	14721
3.223		2956	2186
3.264		6403	5825
3.291		66211	36089
3.324		106742	66007
3.377		5659	6120
3.408		18230	13735
3.448		6979	12213
3.489		5936	4869
3.523		4486	2339
3.543		10228	11977
3.581		11026	6748
3.647		11356	34720
3.722		11695	29065
3.768		4072	4618
3.826		4520	2928
3.874		4800	6627
3.898		3145	1924
3.934		15400	9856
3.973		6375	8377
4.006		7371	7398
4.034		3966	2266
4.071		29229	25070
4.11		6207	6127
4.151		5650	3325
4.201		10454	11580
4.233		16893	22267
4.329		9398	7935
4.395		8899	6254
4.438		33242	26342
4.535		3661	8239
4.561		6550	9031
4.615		11104	8985
4.64		7405	5444

RT B	Compound B	Height B	Area B
4.667		40566	27912
4.695		6653	5140
4.742		4066	4373
4.82		3018	4405
4.838		3878	2961
4.915		4720	3414
4.937		6110	5162
4.983		5992	6176
5.059		56733	65175
5.11		5674	7040
5.154		7421	5425
5.182		122616	100239
5.344		1469	912
5.37		7779	7820
5.469		2954	3180
5.525		169269	144435
5.593		199343	177060
5.642		54615	56331
5.748		2268	3344
5.901		2763	2631
5.948		110605	93309
5.977		3122	2116
6.065		2051	1451
6.107	DCB	9857766	8962680
6.273		3849	7171
6.557		7308	7111
6.9		1731	2833
7.434		1569	1919
7.718		1730	2093
7.783		1962	2004
7.983		1626	3396
8.05		2456	3543
8.215		18674	31951

IBLKX1724A YSPIBLKYS PIBLK1714399999 10736 SW-846 8082

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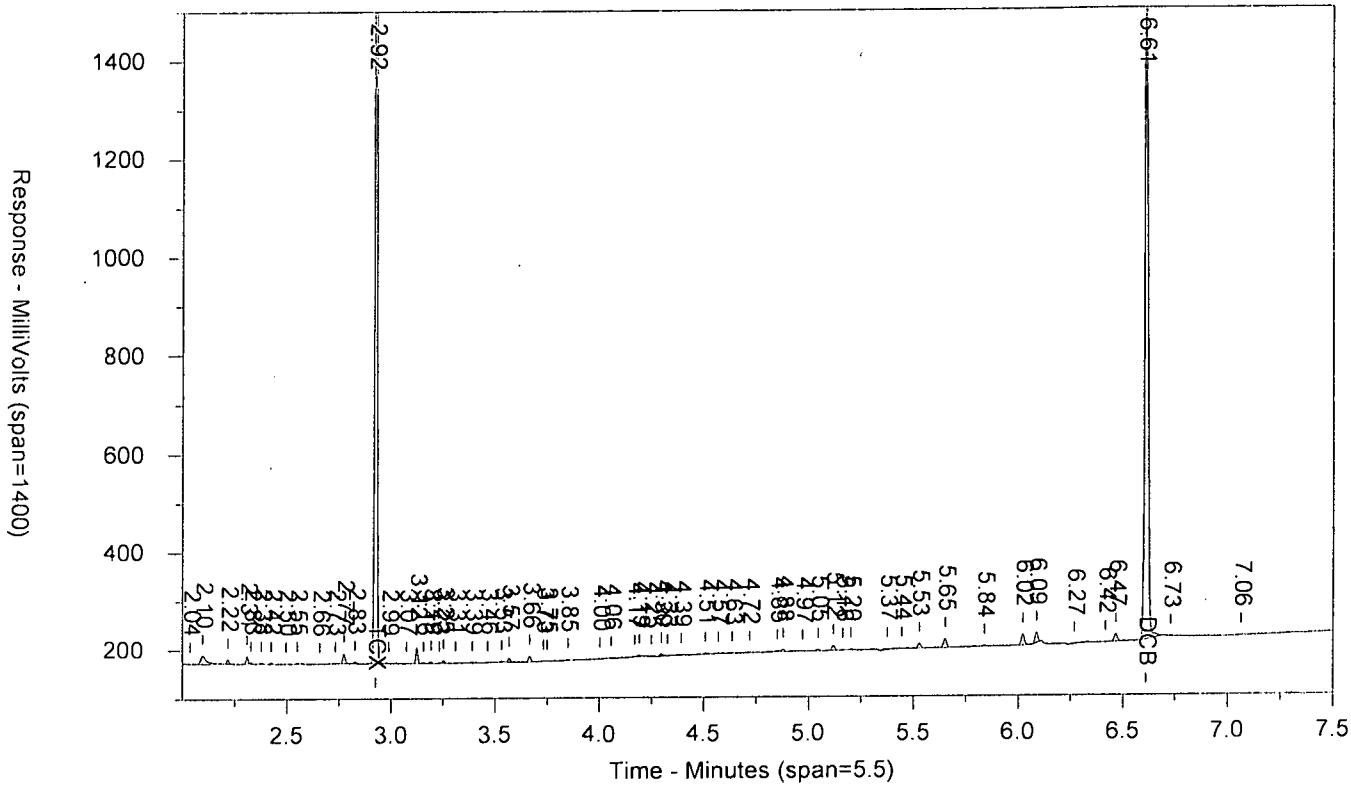

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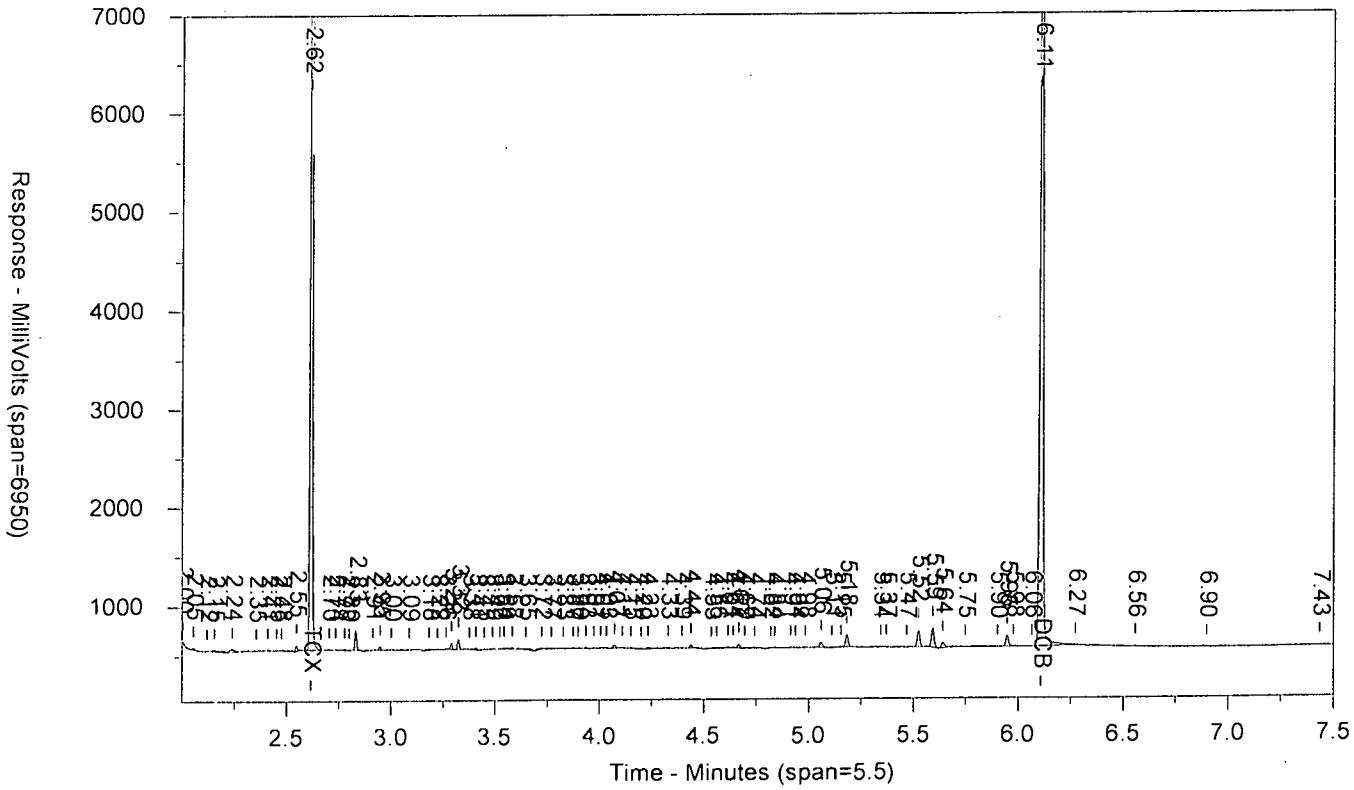

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YSPIBLKYS PIBLK1714399999 10736 SW-846 8082
Injected On: 5/24/2017 11:03:12 PM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2433465	.214	TCX	2.615	14593490	.211	TCX
6.61	1379775	.201	DCB	6.107	9857766	.202	DCB

Files:
Area File: 20pcbs17137007.017.RAW
Area File: 20pcbs17137007B.017.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 11:11:57 PM
File Reported On: 5/24/2017 at 11:12:06 PM

IBLKX1724A YSPIBLKYS PIBLK1714399999 10736 SW-846 8082

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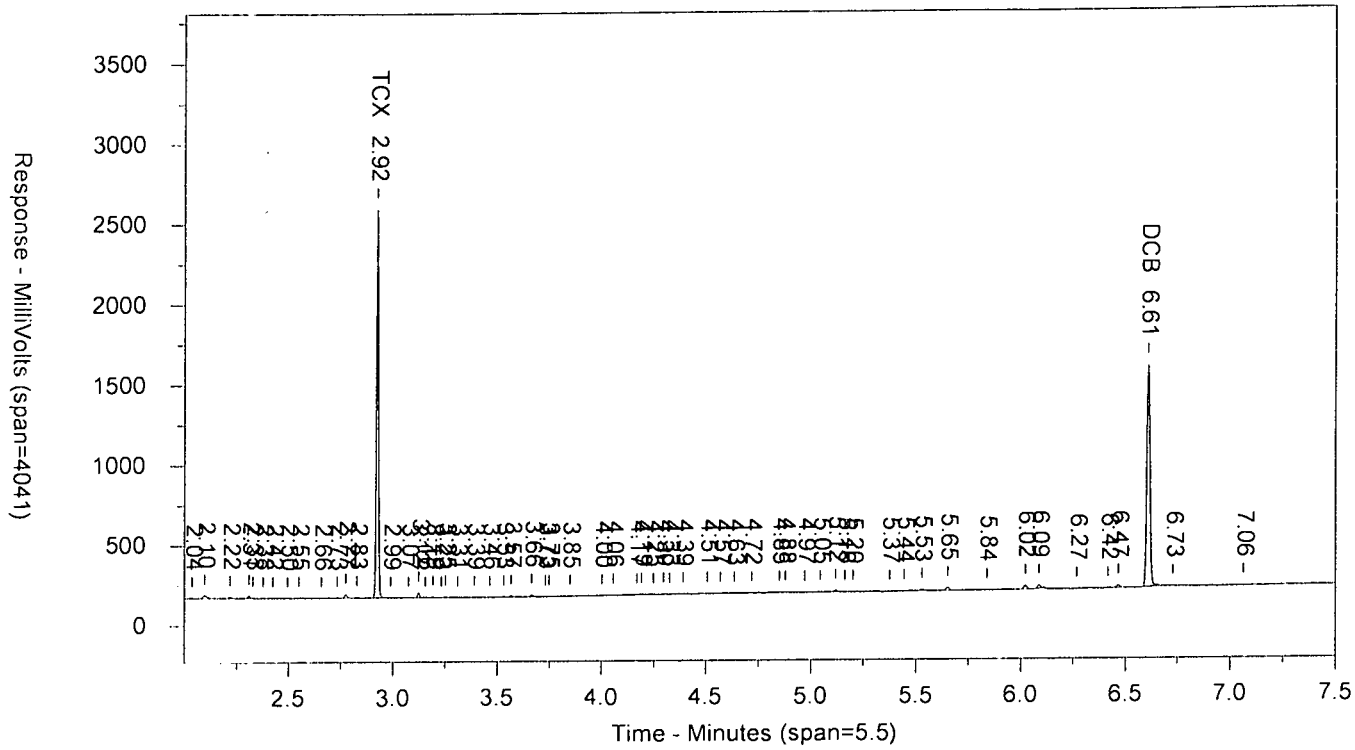

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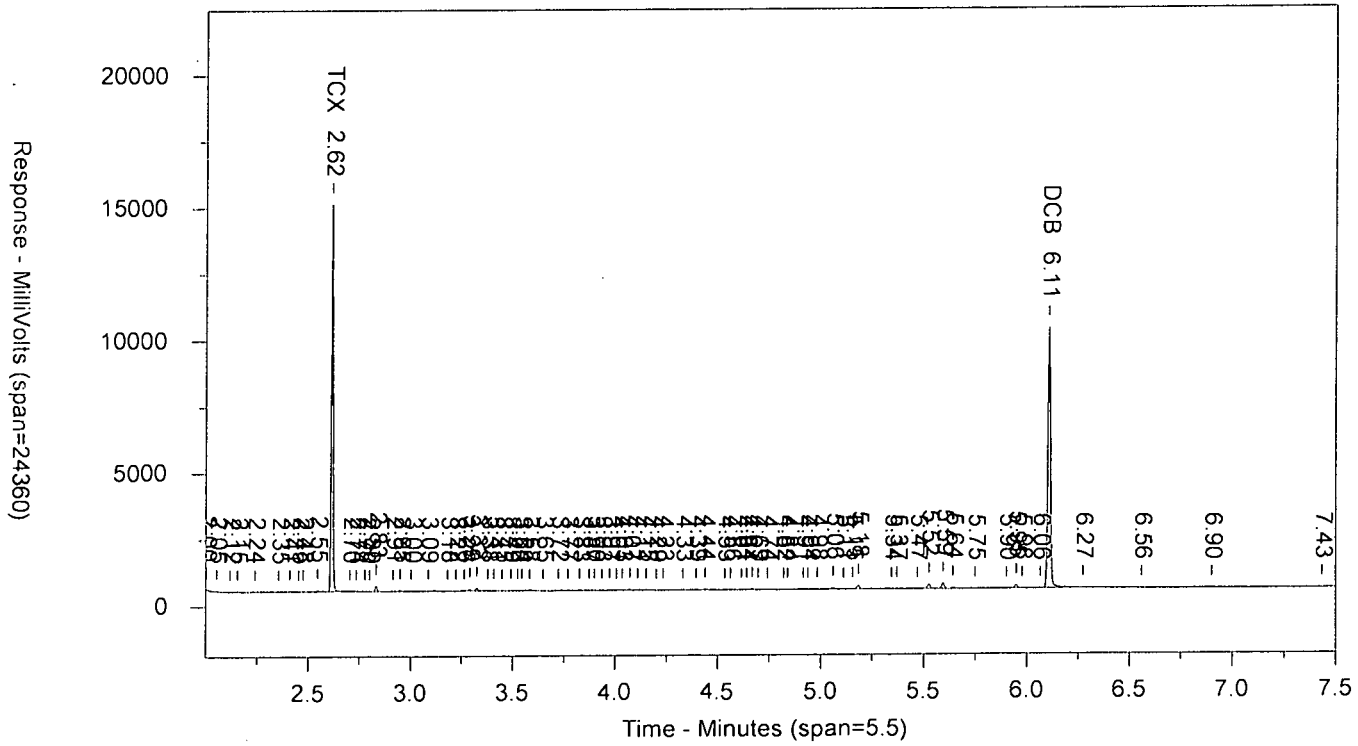

LANCASTER LABORATORIES

Sample Number: AR1631724A EVAR163EV CCAL 1714399999 10736 SW-846 8082
Injected On: 5/24/2017 11:49:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.021.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.011		509	523
2.101		40712	78017
2.217		17780	13341
2.31		19414	11866
2.328		5263	2837
2.379		3086	3500
2.424		4315	3569
2.502		1812	2274
2.549		2402	1415
2.565		4292	2909
2.659		1876	1574
2.692		605	643
2.721		1104	798
2.775		27659	22920
2.829		4889	5060
2.924	TCX	4979892	3296424
3.012		1169	730
3.077		73951	60574
3.134		104371	109505
3.182		439625	311821
3.255		9705	5324
3.275		57006	37948
3.312		1265	1031
3.36		1890	1346
3.396		432174	262850
3.413		183515	101550
3.45		52730	30149
3.466		14000	5836
3.483		41379	23996
3.512		466570	364373
3.546		1786	903
3.568		16945	10343
3.586		13882	7784
3.622		100030	56968
3.636		49307	24392
3.681		193114	114507
3.692		491059	243449
3.728		543276	407434
3.787		445458	345471
3.828		36484	25342
3.855		318059	233578
3.882		234163	194272
3.903		64929	37554
3.978		349470	257892
4.003		118281	78361
4.033		136885	99465
4.069		357959	369577
4.109		116878	94713
4.154		16489	12602
4.193		22644	18052
4.228		392772	286360
4.247		94911	52199
4.271		99775	69612
4.296		3522	2394

RT A	Compound A	Height A	Area A
4.338		59812	52016
4.381		404705	376483
4.415		11601	7485
4.479		4158	3876
4.519		47501	50498
4.574		39602	27039
4.588		82884	55005
4.634		260268	233763
4.679		367293	408568
4.717		82778	59001
4.757		845002	788720
4.799		7007	7317
4.847		139937	154169
4.877		16200	10862
4.903		150953	135199
4.956		1012756	1246875
5.005		182625	161379
5.049		491666	513414
5.092		7007	4246
5.127		103471	129310
5.164		1141779	1080561
5.187		36681	16112
5.227		543599	490345
5.271		330351	332032
5.391		663027	862113
5.45		298803	286238
5.49		165418	145179
5.531		51444	49869
5.575		213344	211557
5.63		1461316	1569266
5.719		1652	1263
5.747		5880	5000
5.838		823205	852898
5.875		78236	74175
5.892		80151	57159
6.023		57849	59615
6.087		43983	37610
6.11		131384	111043
6.184		7282	14574
6.267		305239	337111
6.311		23506	23085
6.391		1948	2262
6.434		998	565
6.467		109896	109779
6.506		4816	4436
6.612	DCB	2626320	2784803
7.067		2384	2881
7.782		803	690
8.002		909	1072
8.68		4244	6295

LANCASTER LABORATORIES

Sample Number: AR1631724A EVAR163EV CCAL 1714399999 10736 SW-846 8082
Injected On: 5/24/2017 11:49:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.021.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		39504	31687
2.052		42601	31348
2.118		2558	1927
2.155		13135	8230
2.239		22833	31338
2.298		26096	18557
2.366		4559	4131
2.409		16440	17827
2.481		11241	16450
2.525		8909	7349
2.545		72511	42618
2.569		7088	4893
2.59		6676	3468
2.614	TCX	29805630	17555760
2.657		200948	141981
2.702		12139	10010
2.785		455750	290129
2.832		273737	127567
2.845		416247	204873
2.897		2399911	1483476
2.948		81163	53790
2.986		9121	5188
3.009		318547	199518
3.084		3277	2711
3.104		3111336	2938091
3.155		325647	207554
3.176		183821	101512
3.202		275482	153338
3.226		3077542	1994904
3.262		120267	69774
3.29		129689	62715
3.308		823818	418898
3.324		523774	259637
3.352		12518	6662
3.374		1657583	810192
3.383		3533039	1512246
3.403		130597	49194
3.417		2881074	1885058
3.491		3655106	2178767
3.526		2382706	1452436
3.549		2633632	1410110
3.567		877358	428584
3.652		2975358	1920241
3.675		1077129	566850
3.696		974847	564051
3.725		689399	344971
3.741		2476993	1444887
3.782		860578	632618
3.83		144964	122402
3.852		668538	396921
3.874		3428414	2150054
3.899		693006	417135
3.919		109220	53624
3.937		376507	226479

RT B	Compound B	Height B	Area B
3.973		2744760	1842265
4.007		135468	83808
4.023		219708	141415
4.072		10843	7646
4.082		11672	6124
4.117		233734	254995
4.151		14001	7359
4.174		674950	466393
4.217		564310	347626
4.236		587733	309838
4.248		1569596	886103
4.275		1064166	1079719
4.327		5569795	4429176
4.373		88004	83603
4.396		649681	428668
4.421		1292242	936070
4.463		6968283	5237608
4.521		5664	7196
4.566		5703500	5330684
4.62		719303	597854
4.658		1504026	1359405
4.694		7142224	5965255
4.726		3303938	2250325
4.765		2275811	1839606
4.84		116307	88189
4.864		674295	466048
4.881		74971	38364
4.916		4357652	3349809
4.94		601687	388460
4.99		2251685	2016536
5.026		1130786	904778
5.056		891248	743106
5.087		372609	233970
5.11		9371948	7796831
5.151		208172	162875
5.184		577347	491847
5.243		3159	1500
5.302		103798	69633
5.325		1954890	1586478
5.37		4995361	5630321
5.441		4080	3520
5.471		16611	23012
5.525		421924	370520
5.569		164730	122819
5.593		391333	330162
5.643		1164116	1018246
5.69		6864	5097
5.749		2356139	1967672
5.78		141928	105377
5.899		4525	4489
5.949		782529	665863
6		3756	2310
6.107	DCB	20862960	17178190
6.225		5508	3225
6.245		6119	4473
6.282		6444	6502
6.556		16581	15446
6.59		4128	33007
6.729		6290	12937
7.046		7781	10181
7.131		5566	6613
7.202		3624	9644
7.294		2858	5103
7.412		2879	4722
7.469		2165	2034
7.543		1561	1886

RT B	Compound B	Height B	Area B
7.81		1590	4654
7.846		2569	4169
8.213		20812	37318
8.432		1118	1792

AR1631724A EVAR163EV CCAL 1714399999 10736 SW-846 8082

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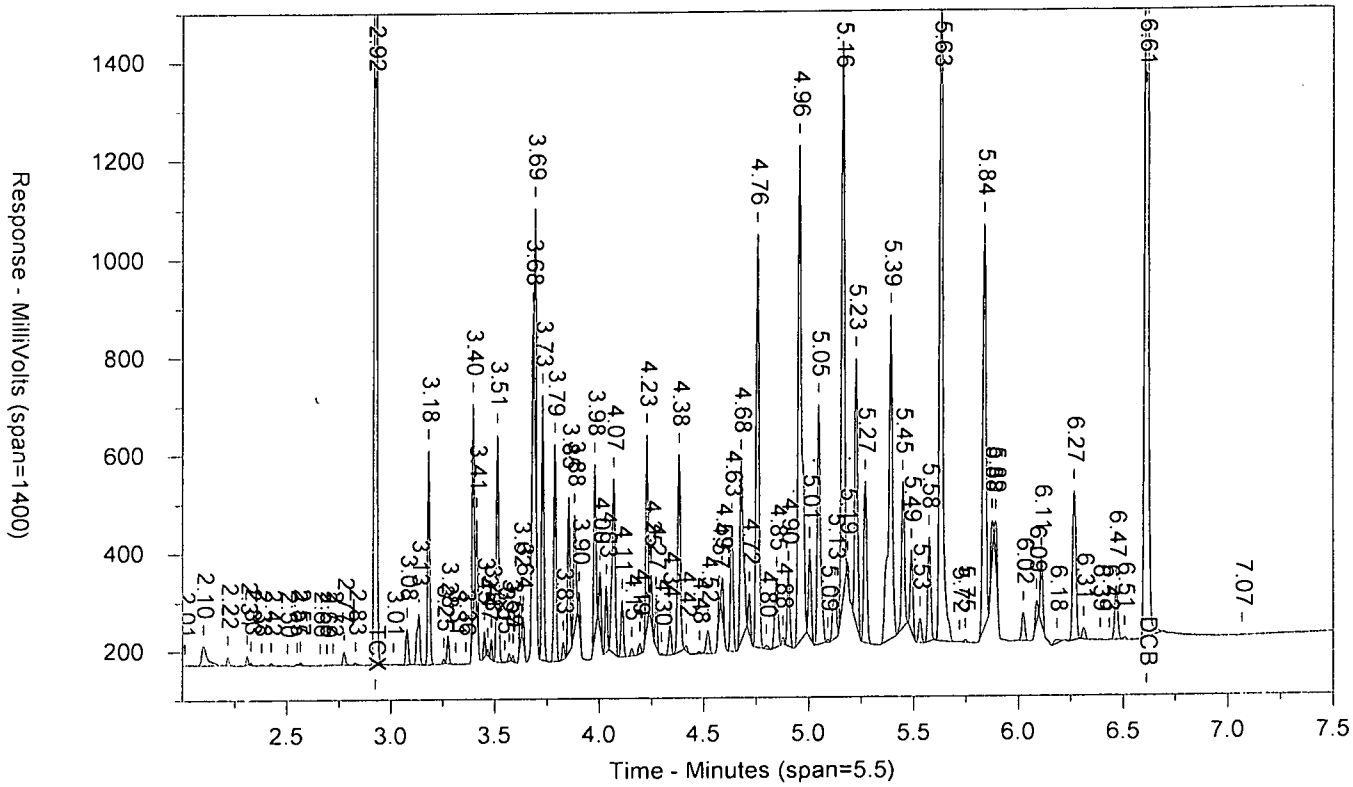

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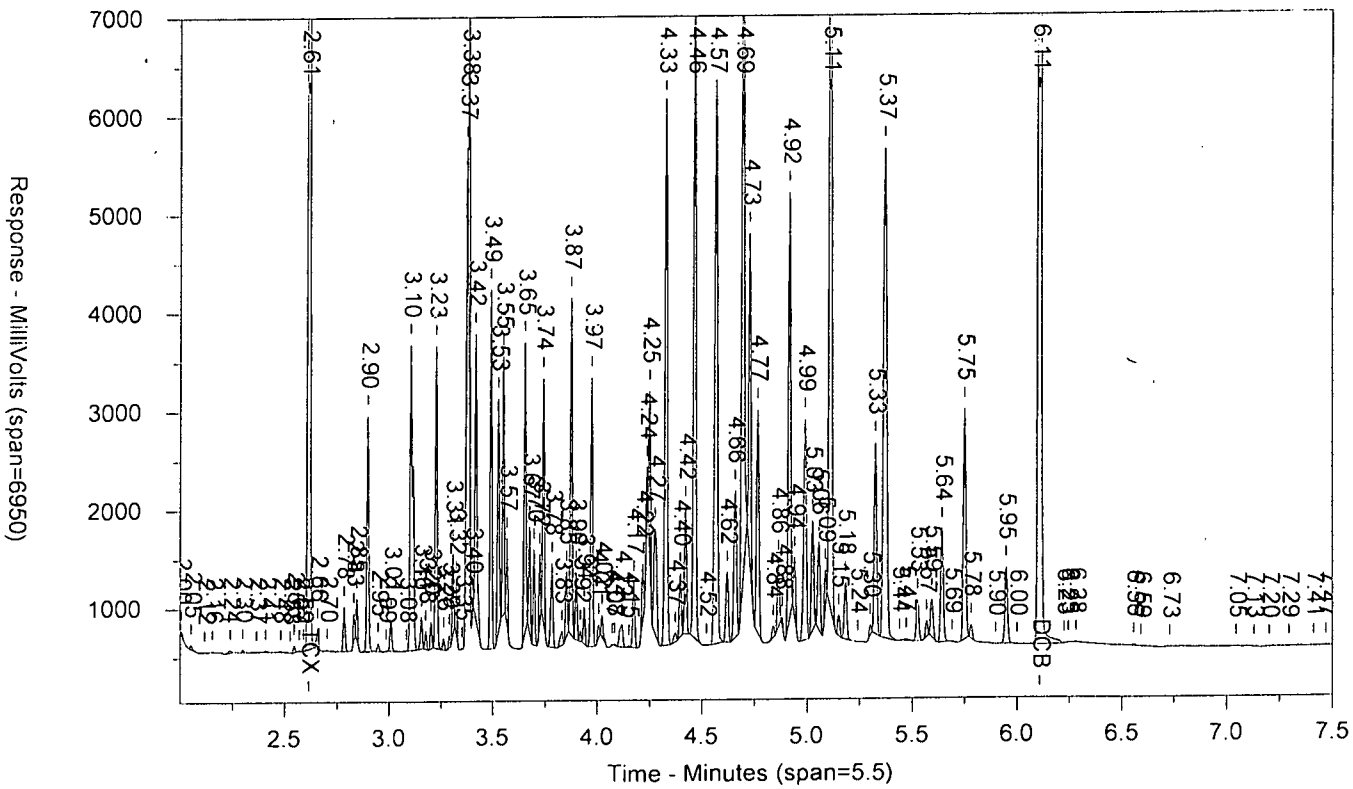

LANCASTER LABORATORIES

Sample Number: AR1631724A EVAR163EV CCAL 1714399999 10736 SW-846 8082
Injected On: 5/24/2017 11:49:12 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4979892	43.821	TCX	2.614	29805630	43.115	TCX
6.612	2626320	38.164	DCB	6.107	20862960	42.824	DCB

Files:
Area File: 20pcbs17137007.021.RAW
Area File: 20pcbs17137007B.021.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 11:57:57 PM
File Reported On: 5/24/2017 at 11:58:05 PM

AR1631724A EVAR163EV CCAL 1714399999 10736 SW-846 8082

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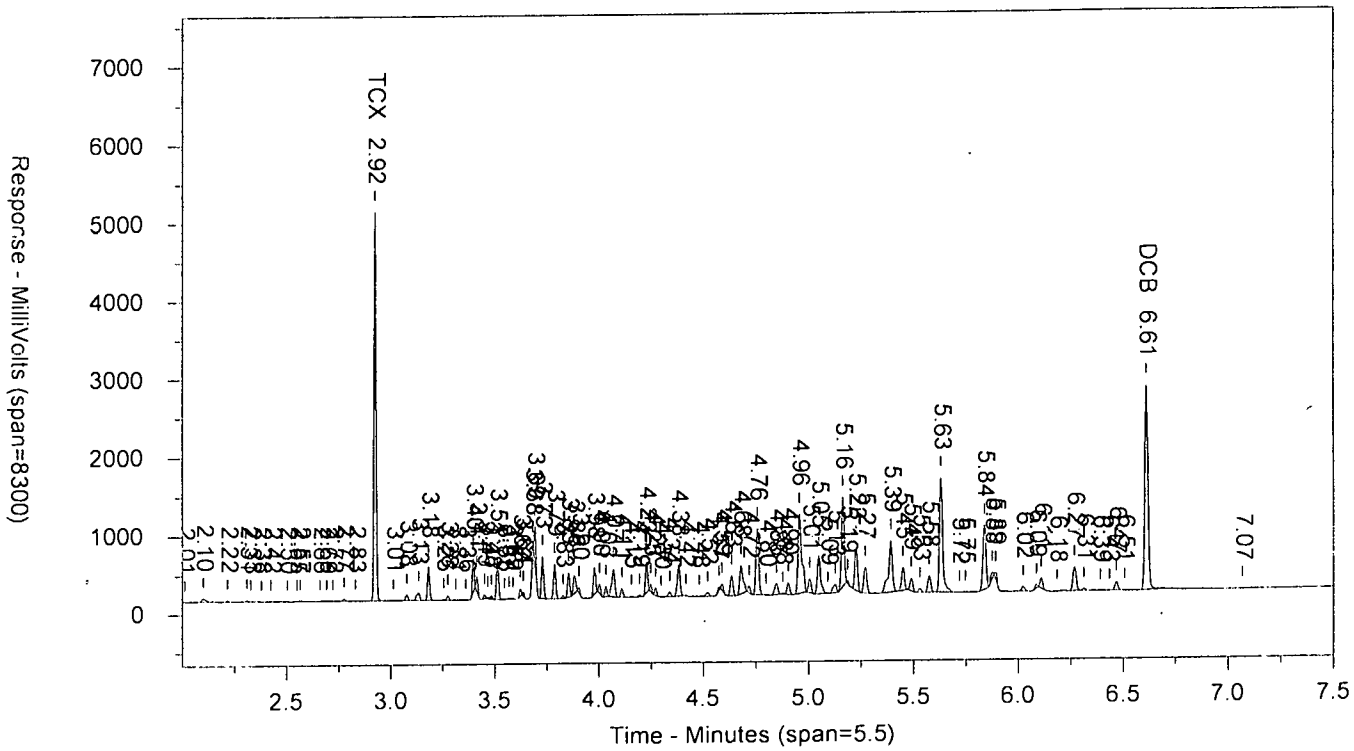

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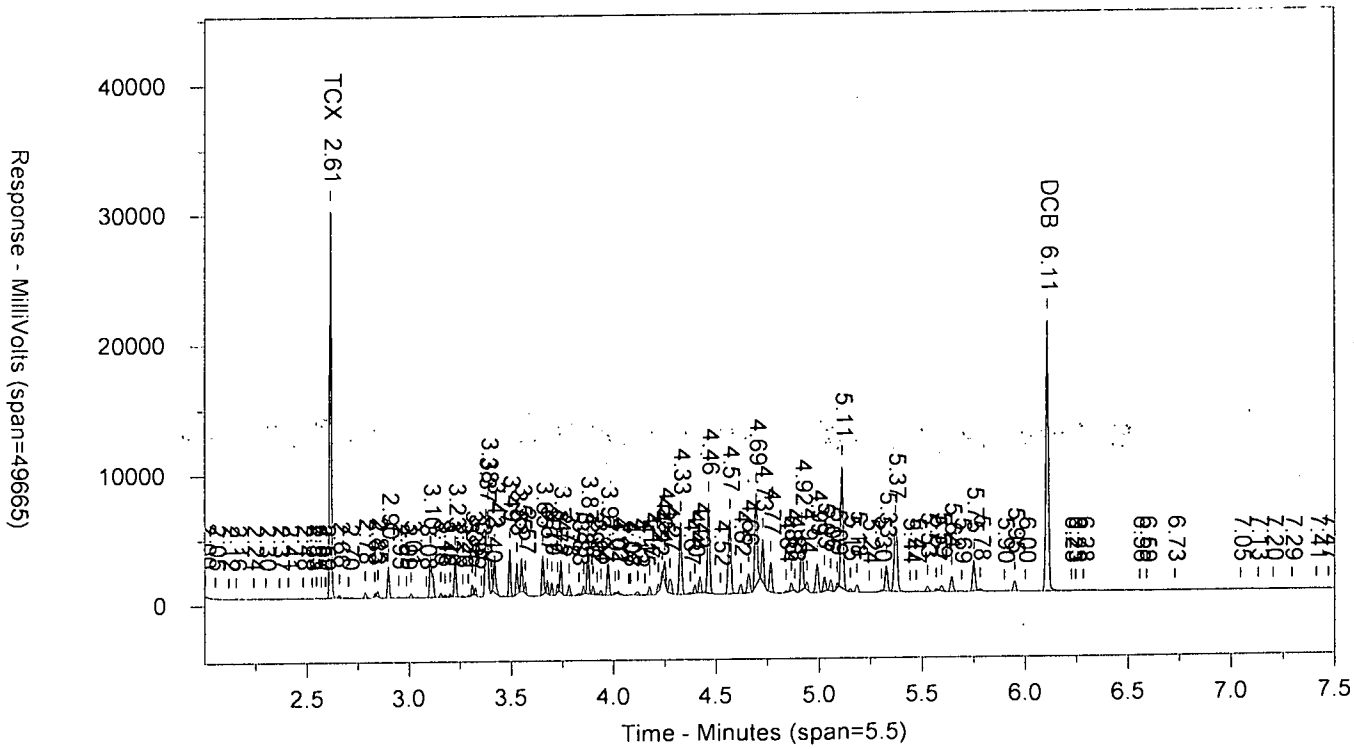

LANCASTER LABORATORIES

Sample Number: IBLKX1724A ZBPIBLKZB PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 12:00:45 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.022.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		8491	13592
2.217		8844	7043
2.31		14252	8875
2.329		2374	1240
2.377		2150	2436
2.424		2929	2503
2.501		1118	1696
2.55		1902	1399
2.657		1397	1325
2.774		16877	13446
2.829		3183	2948
2.924	TCX	2440657	1623221
3.124		33628	21470
3.192		2917	2637
3.254		5826	3523
3.357		781	978
3.393		835	618
3.491		1633	1132
3.531		1377	1016
3.568		7510	4950
3.641		637	287
3.666		11079	8612
3.73		653	450
3.852		1949	1983
3.895		862	791
4.058		710	1110
4.191		3478	6053
4.295		6122	10279
4.513		1690	2036
4.879		5771	7025
4.982		703	4705
5.12		9728	9523
5.207		1596	2195
5.375		703	1412
5.465		1162	2540
5.531		10183	10332
5.652		19105	17818
5.84		1373	1664
6.024		21764	23046
6.089		21482	20043
6.109		3070	1887
6.243		388	626
6.336		1212	1491
6.395		880	866
6.466		15926	16253
6.57		629	281
6.612	DCB	1392791	1443748
7.9		520	2016
8.144		717	381
8.682		3554	4609

LANCASTER LABORATORIES

Sample Number: IBLKX1724A ZBPIBLKZB PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 12:00:45 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.022.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		3849	1691
2.052		21574	15146
2.155		10191	10588
2.201		7854	3411
2.238		19079	27976
2.27		4489	4935
2.365		3605	3527
2.41		6804	6533
2.453		1858	684
2.475		4485	2874
2.494		6111	4600
2.525		5994	4953
2.546		51166	28296
2.573		3331	3386
2.591		2927	1469
2.614	TCX	14661670	8718494
2.699		4445	9393
2.777		7350	4569
2.801		2553	1542
2.832		204281	127340
2.894		4285	8935
2.948		37296	23860
3.087		1886	1710
3.181		13089	13888
3.225		7171	4666
3.267		4449	2760
3.29		61192	32791
3.324		93799	59247
3.353		2685	1386
3.379		5060	6264
3.407		15358	10816
3.448		11437	14453
3.482		3251	5331
3.543		10379	10759
3.582		4191	1853
3.727		12533	43501
3.769		4059	3494
3.862		2127	1131
3.935		17054	11442
3.983		3168	6790
4.014		3091	3399
4.071		29323	25173
4.151		9796	15929
4.201		11143	15936
4.247		7598	19886
4.438		39214	50523
4.536		2687	6485
4.641		2584	1939
4.667		61612	47250
4.741		3148	2879
4.84		2342	7169
4.918		3687	3349
4.982		5335	5387
5.023		1659	903

RT B	Compound B	Height B	Area B
5.061		56852	53838
5.132		1595	3907
5.156		3488	2634
5.183		119431	109496
5.347		2578	4068
5.371		4194	3138
5.526		160003	142829
5.594		188179	163149
5.643		50819	45967
5.73		1872	2595
5.895		2323	2208
5.948		108592	92840
6.068		1876	3765
6.108	DCB	10063960	8758391
6.277		3085	3011
6.555		6198	5878
6.854		2404	4172
6.961		1312	813
7.533		2247	3476
7.664		1807	1579
7.709		2449	4213
7.846		2431	3898
8.014		1894	6295
8.215		20745	36716
8.603		1743	1565

IBLKX1724A ZBPIBLKZB PIBLK1714399999 10736 SW-846 8082

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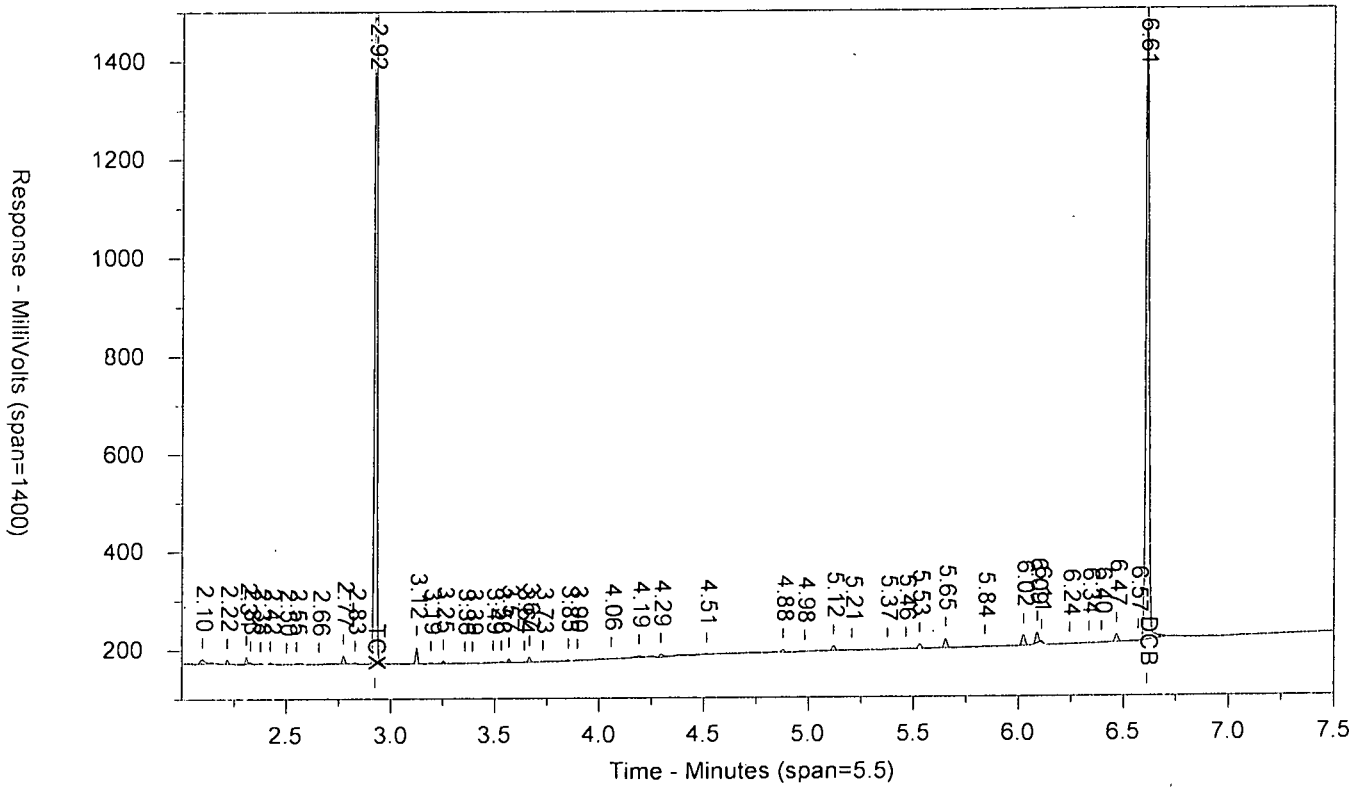

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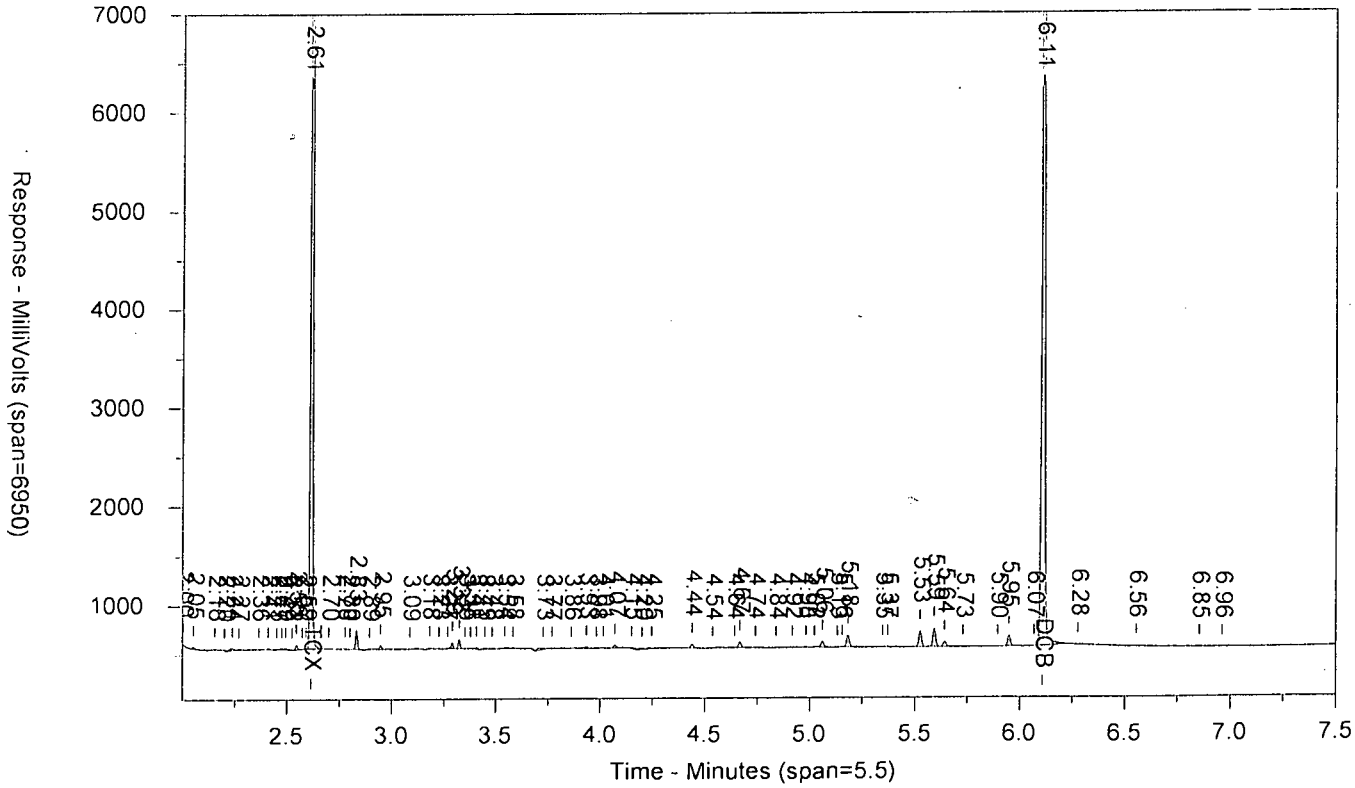

LANCASTER LABORATORIES

Sample Number: IBLKX1724A ZBPIBLKZB PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 12:00:45 AM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2440657	.215	TCX	2.614	14661670	.212	TCX
6.612	1392791	.202	DCB	6.108	10063960	.207	DCB

Files:
Area File: 20pcbs17137007.022.RAW
Area File: 20pcbs17137007B.022.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 12:09:29 AM
File Reported On: 5/25/2017 at 12:09:39 AM

IBLKX1724A ZBPIBLKZB PIBLK1714399999 10736 SW-846 8082

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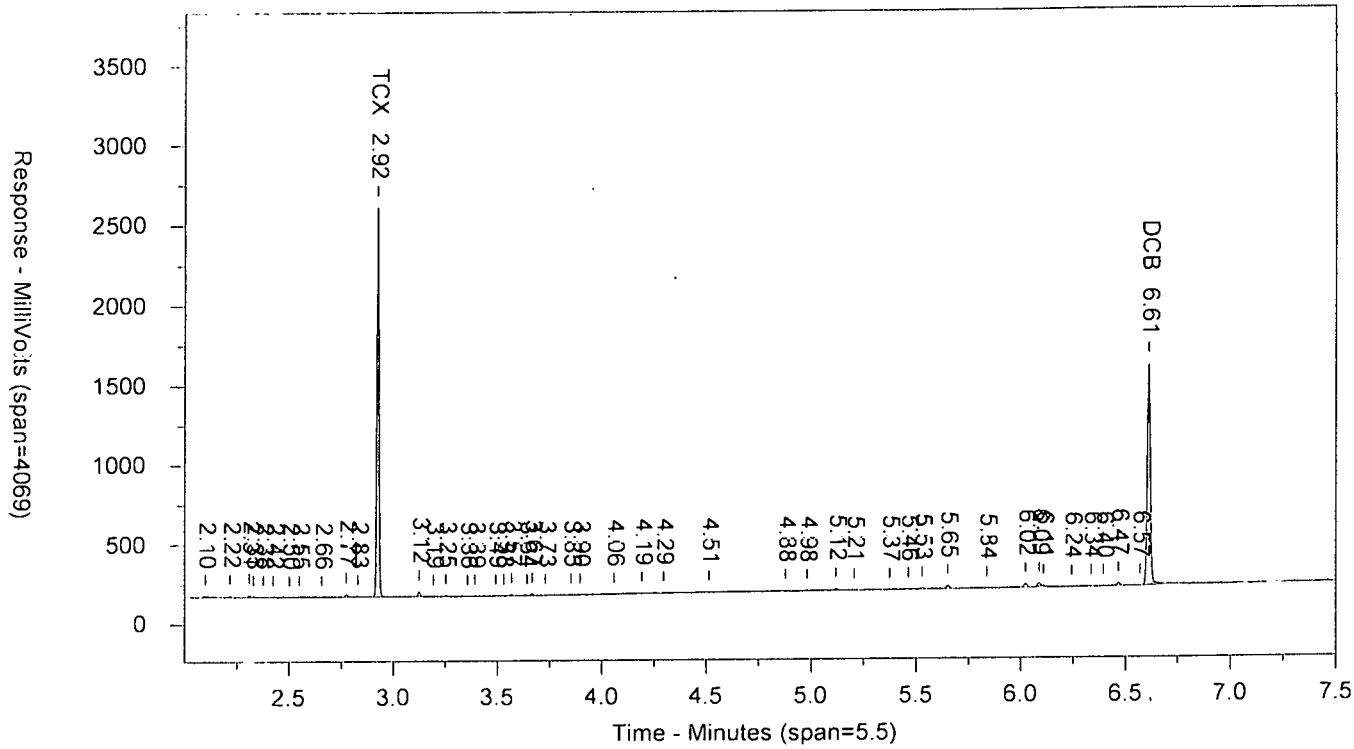

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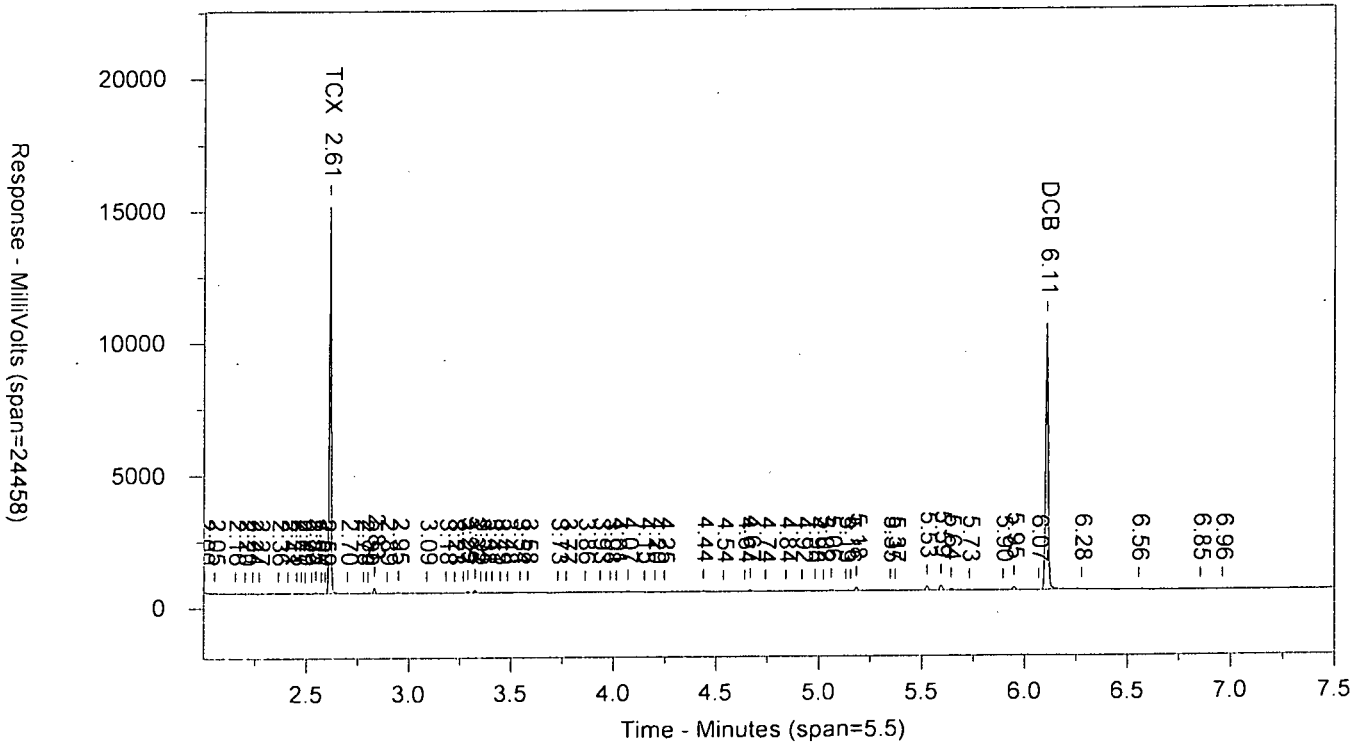

LANCASTER LABORATORIES

Sample Number: AR1631724A ENAR163EN CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 1:32:26 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.030.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.008		544	481
2.1		31294	61490
2.217		17594	13018
2.31		22471	13760
2.328		4930	2597
2.377		2631	3109
2.424		3412	3180
2.504		1537	1192
2.549		3476	1984
2.567		5401	3731
2.659		1715	1583
2.72		1292	1295
2.775		28120	22929
2.83		3266	3862
2.924	TCX	4965136	3279321
3.012		1095	577
3.077		75194	61730
3.134		103286	107694
3.183		447149	309862
3.255		9636	5404
3.276		55374	37660
3.313		1421	863
3.362		853	723
3.397		421061	261499
3.414		194712	102929
3.451		50628	30221
3.466		14599	6081
3.483		41615	23648
3.513		486538	361907
3.548		2038	1057
3.568		16349	9466
3.587		15860	9497
3.623		98034	58204
3.637		47971	23143
3.682		186446	110044
3.693		463334	244874
3.729		559165	409308
3.788		440577	347652
3.829		37063	26099
3.855		325144	236002
3.883		234429	194433
3.904		69875	38146
3.979		360013	258578
4.003		119479	78444
4.034		137422	100933
4.07		356045	373974
4.11		119478	95658
4.155		16777	12922
4.193		21944	19102
4.228		397052	291545
4.249		94216	54864
4.272		101031	70693
4.299		6134	5287
4.339		60328	51651

RT A	Compound A	Height A	Area A
4.382		416844	382007
4.416		11886	7672
4.479		4810	3868
4.52		50873	54483
4.575		41508	28965
4.589		82316	55836
4.635		266580	238055
4.68		355669	417170
4.717		86687	62555
4.757		866722	801041
4.801		8147	8043
4.848		139785	157236
4.879		17711	11975
4.905		154800	137773
4.957		1003828	1270430
5.006		180009	164187
5.05		473280	521702
5.092		8692	5022
5.13		103482	130969
5.165		1127511	1097393
5.188		31275	14113
5.228		533003	496937
5.271		337438	340348
5.393		665854	889125
5.451		307934	282885
5.491		166872	145524
5.531		52768	50971
5.576		228486	222085
5.632		1510949	1596821
5.716		1575	1398
5.747		4646	3842
5.839		840714	876967
5.879		230022	461561
6.024		57223	59181
6.089		51700	40182
6.111		136147	113677
6.184		18240	51392
6.269		356621	346347
6.312		24298	22730
6.39		1886	2044
6.467		107310	114578
6.507		3138	2750
6.612	DCB	2689343	2817863
7.072		2835	4338
7.16		676	1303
7.501		654	646
7.666		1173	2404
8.628		1139	1950

LANCASTER LABORATORIES

Sample Number: AR1631724A ENAR163EN CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 1:32:26 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.030.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		23855	18819
2.053		41467	29727
2.116		2751	1135
2.156		27753	19903
2.201		10949	5763
2.238		20439	25828
2.271		3269	2815
2.299		25385	17623
2.362		4273	3500
2.408		20331	20276
2.449		2151	1190
2.476		6569	4659
2.546		75958	47271
2.57		6878	4309
2.59		6033	3001
2.614	TCX	30247860	17406880
2.658		191228	130747
2.702		10449	10028
2.785		456918	298118
2.832		290413	132108
2.846		418559	208043
2.898		2404311	1474184
2.948		78544	46245
2.986		2885	1796
3.009		325589	201000
3.104		2113137	1045059
3.116		755592	268657
3.156		339333	213091
3.177		184347	103032
3.202		270257	152500
3.226		3038098	1992756
3.262		126589	73068
3.29		115894	56154
3.308		813959	415778
3.324		545013	271845
3.352		9334	4118
3.374		1918427	833564
3.383		3691724	1544356
3.403		134815	50096
3.417		2966238	1957104
3.491		3553688	2194195
3.526		2393275	1444742
3.549		2568270	1416478
3.567		867334	420098
3.652		3064650	1931665
3.675		1078081	589613
3.696		961963	559280
3.725		681502	358070
3.741		2654037	1491242
3.783		869987	637203
3.83		149298	128045
3.852		648274	394780
3.874		3308803	2170209
3.9		701091	423710

RT B	Compound B	Height B	Area B
3.919		113667	54459
3.937		392200	242951
3.973		2680674	1864678
4.007		150594	88745
4.023		230216	147284
4.071		14519	8860
4.083		14212	7427
4.117		253840	276875
4.151		15992	8358
4.174		682560	476684
4.217		577189	352980
4.235		711963	355384
4.249		1701501	932184
4.275		1073445	1101095
4.327		6128396	4491513
4.373		100250	89174
4.396		641770	436071
4.421		1313220	952244
4.463		7089274	5330542
4.566		5626043	5446035
4.62		739608	613094
4.658		1513451	1319042
4.694		7186477	6026352
4.726		3330414	2310369
4.765		2431521	1875275
4.839		63781	48394
4.865		806217	816479
4.916		4338868	3412559
4.939		620634	409607
4.99		2210691	2059689
5.025		1162390	930168
5.056		898258	757126
5.087		416046	232434
5.11		10141340	8127326
5.151		209175	162532
5.183		610129	491405
5.302		112958	71974
5.325		1946680	1632971
5.369		5066431	5781554
5.437		4404	3505
5.472		13302	16145
5.526		435019	372573
5.57		176070	126203
5.594		430024	365365
5.643		1194929	1045629
5.692		5859	4771
5.75		2372417	2008386
5.78		147470	108726
5.901		4824	4910
5.948		775145	702916
6.068		2732	2406
6.107	DCB	19951920	17488980
6.225		4834	2713
6.253		2665	2829
6.281		6210	6796
6.418		4179	7562
6.558		18314	21508
6.658		5209	4862
6.728		6940	17256
7.043		3008	3540
7.207		4464	13017
7.419		3238	5516
7.469		2270	3628
7.612		9463	16906
7.848		3941	16908
7.918		2167	2342

RT B	Compound B	Height B	Area B
8.133		2463	3379
8.217		21324	40485
8.338		40060	113962

AR1631724A ENAR163EN CCAL 1714399999 10736 SW-846 8082

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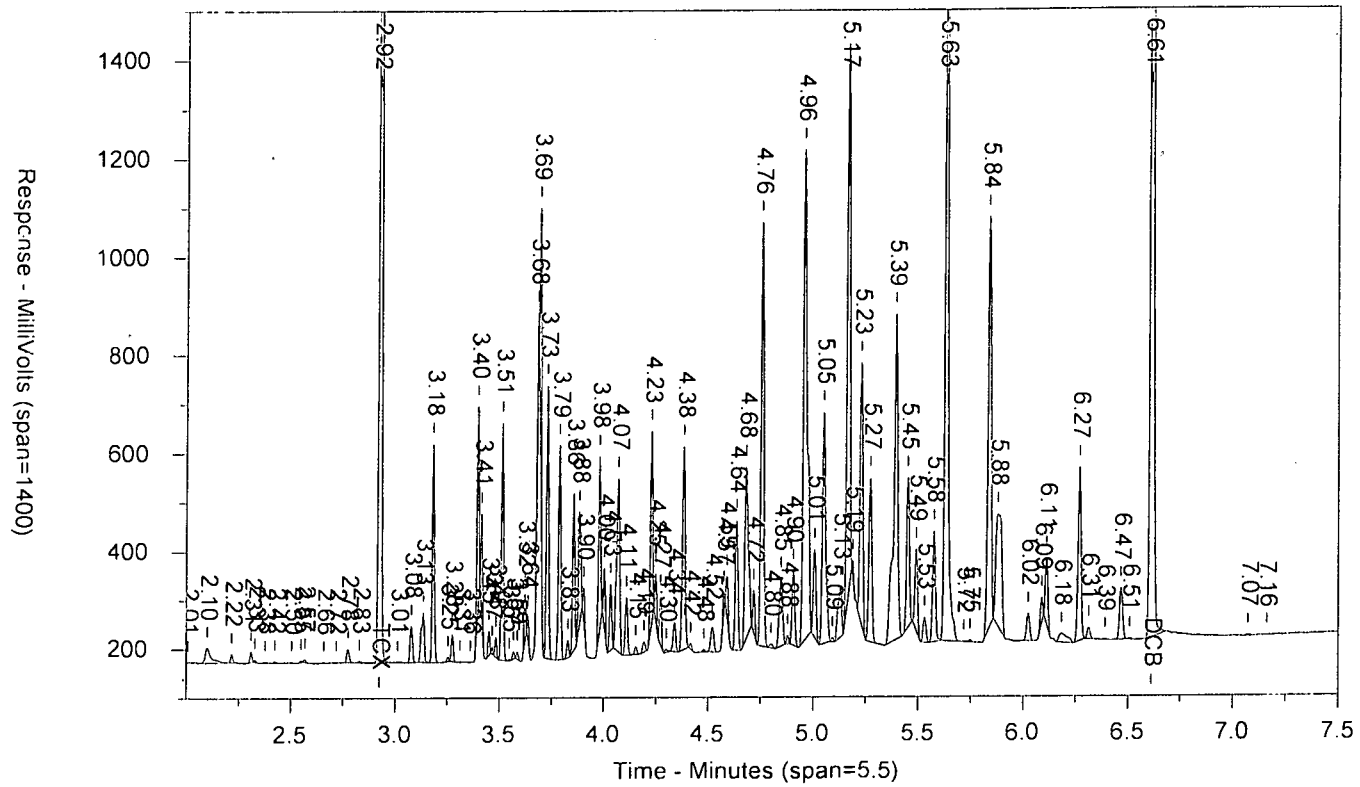

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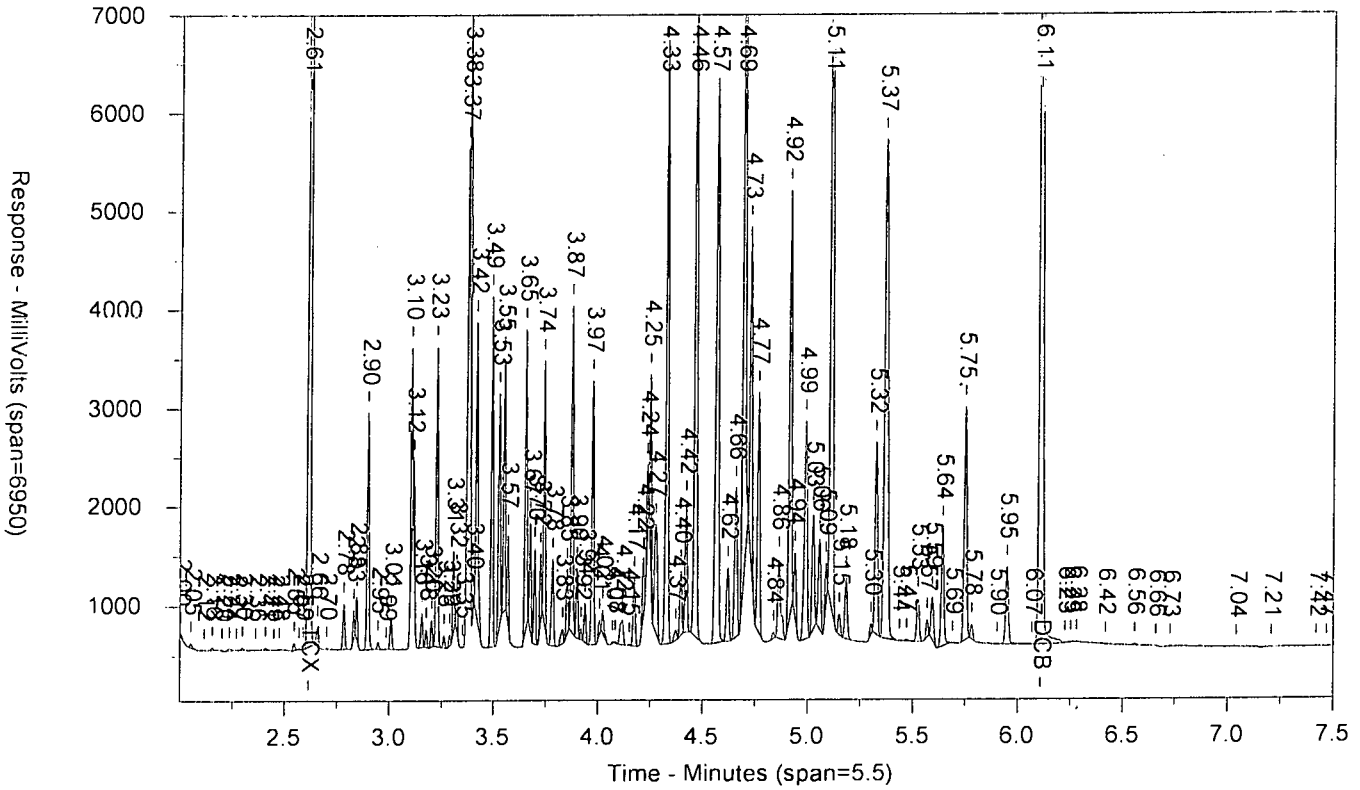

LANCASTER LABORATORIES

Sample Number: AR1631724A ENAR163EN CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 1:32:26 AM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4965136	43.692	TCX	2.614	30247860	43.754	TCX
6.612	2689343	39.08	DCB	6.107	19951920	40.954	DCB

Files:
Area File: 20pcbs17137007.030.RAW
Area File: 20pcbs17137007B.030.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 1:41:09 AM
File Reported On: 5/25/2017 at 1:41:17 AM

AR1631724A ENAR163EN CCAL 1714399999 10736 SW-846 8082

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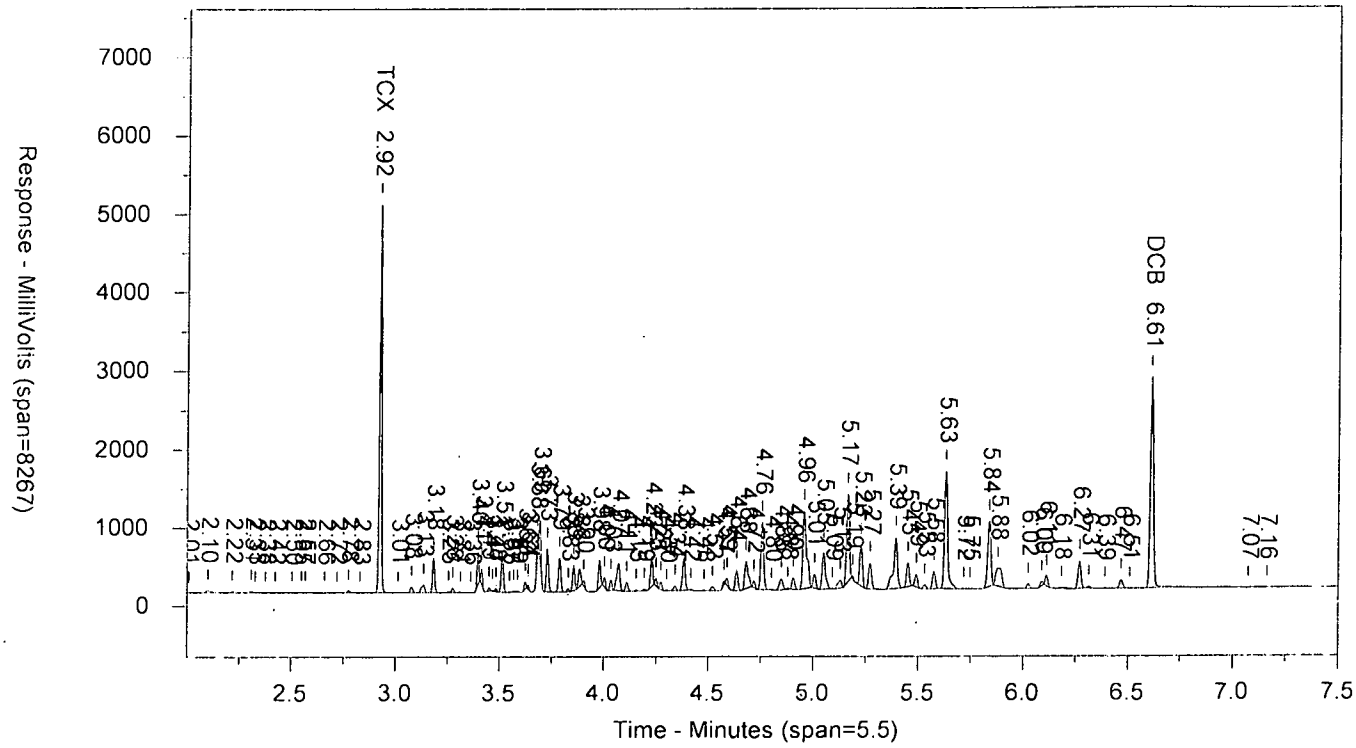

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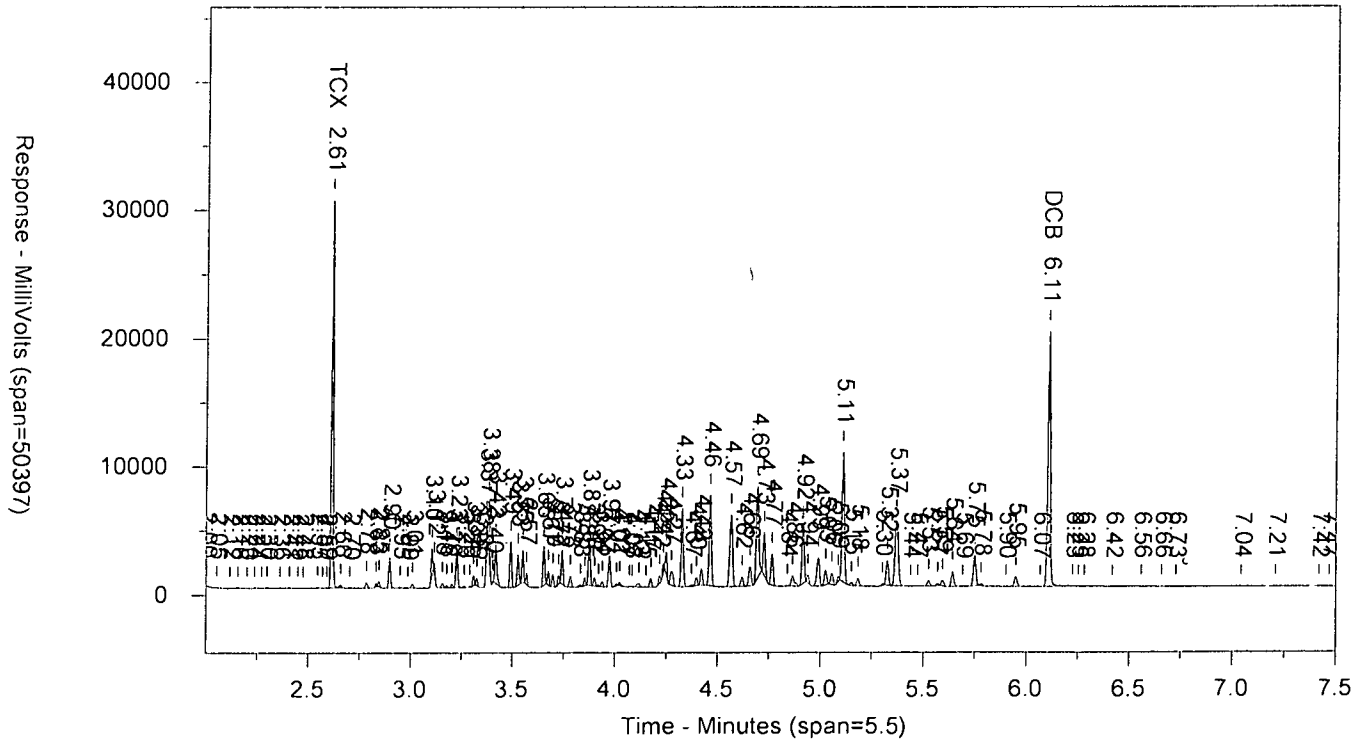

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YTPIBLKYT PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 1:43:52 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.031.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		11364	24617
2.217		8653	6906
2.31		15335	9479
2.328		2616	1510
2.377		2069	2438
2.423		2538	2110
2.503		1278	1361
2.551		1554	1203
2.657		1242	1063
2.737		720	1110
2.775		20579	16783
2.829		2981	2729
2.924	TCX	2424539	1633537
3.124		34501	21570
3.193		2718	2464
3.254		5769	4015
3.363		1229	2596
3.494		1261	1070
3.531		1216	1140
3.568		8607	7526
3.666		9859	7211
3.751		796	456
3.849		1785	1807
4.008		923	1852
4.059		1056	915
4.17		979	774
4.195		3747	4160
4.262		3135	5253
4.298		10526	21391
4.388		970	931
4.471		588	858
4.516		1677	2349
4.571		1191	1422
4.878		6744	8104
4.922		1303	2216
5.12		11175	10868
5.212		1785	2306
5.411		729	2470
5.531		10699	10795
5.652		18888	19865
5.841		1329	1372
6.023		23228	22663
6.088		22431	20289
6.181		7745	26131
6.337		990	846
6.467		16302	16426
6.539		993	1176
6.613	DCB	1380046	1485856
6.999		664	901
7.065		1219	1479
8.022		723	874
8.33		759	1584

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YTPIBLKYT PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 1:43:52 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.031.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		10664	6001
2.053		21038	14882
2.156		10464	9352
2.201		9297	4548
2.238		19806	26427
2.266		2976	3419
2.366		3926	3496
2.409		5788	5856
2.479		4522	4051
2.526		8568	7129
2.546		60116	35020
2.568		3292	2373
2.614	TCX	15097330	8780806
2.697		2521	2345
2.778		6459	3682
2.832		204252	117093
2.91		7308	21741
2.948		37844	22243
2.987		5873	5227
3.11		3250	5280
3.181		15262	23425
3.225		3105	2428
3.267		4532	2221
3.29		63624	35346
3.324		85322	64459
3.376		5027	6434
3.408		14234	10072
3.449		9585	13025
3.524		2056	1027
3.544		8691	9108
3.582		4211	2404
3.711		10525	16521
3.724		4481	2253
3.824		7873	8876
3.894		8097	7741
3.935		20855	14717
3.981		2480	4357
4.015		22100	39769
4.071		29458	25184
4.109		4050	2322
4.152		11043	17134
4.196		13102	17502
4.232		5824	4873
4.276		1922	1773
4.31		1842	929
4.329		4208	3643
4.438		38377	30410
4.567		6876	26559
4.641		2969	1419
4.667		67829	52659
4.841		4755	11665
4.914		4129	3408
4.981		6506	8743
5.061		59898	53980

RT B	Compound B	Height B	Area B
5.126		1975	2972
5.155		2913	2196
5.184		127515	104391
5.323		2628	2540
5.369		6122	6812
5.525		165105	143287
5.593		188115	165328
5.643		53044	46961
5.903		3626	2063
5.948		109372	94670
6.107	DCB	10046600	9017391
6.556		7824	7303
7.428		1983	3506
7.603		2117	2138
7.782		2109	3005
7.844		3316	4911
8.216		21079	40298
8.336		22892	78003

IBLKX1724A YTPIBLKYT PIBLK1714399999 10736 SW-846 8082

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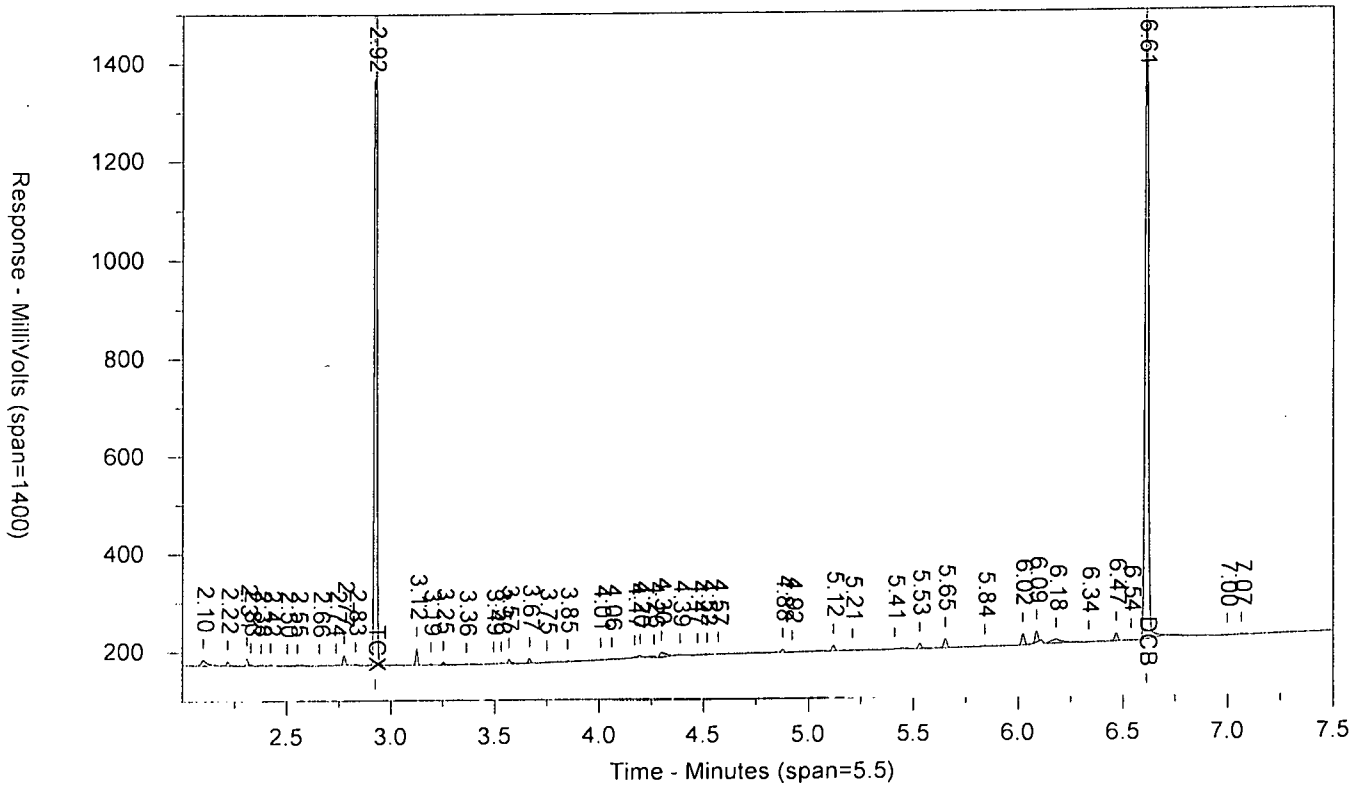

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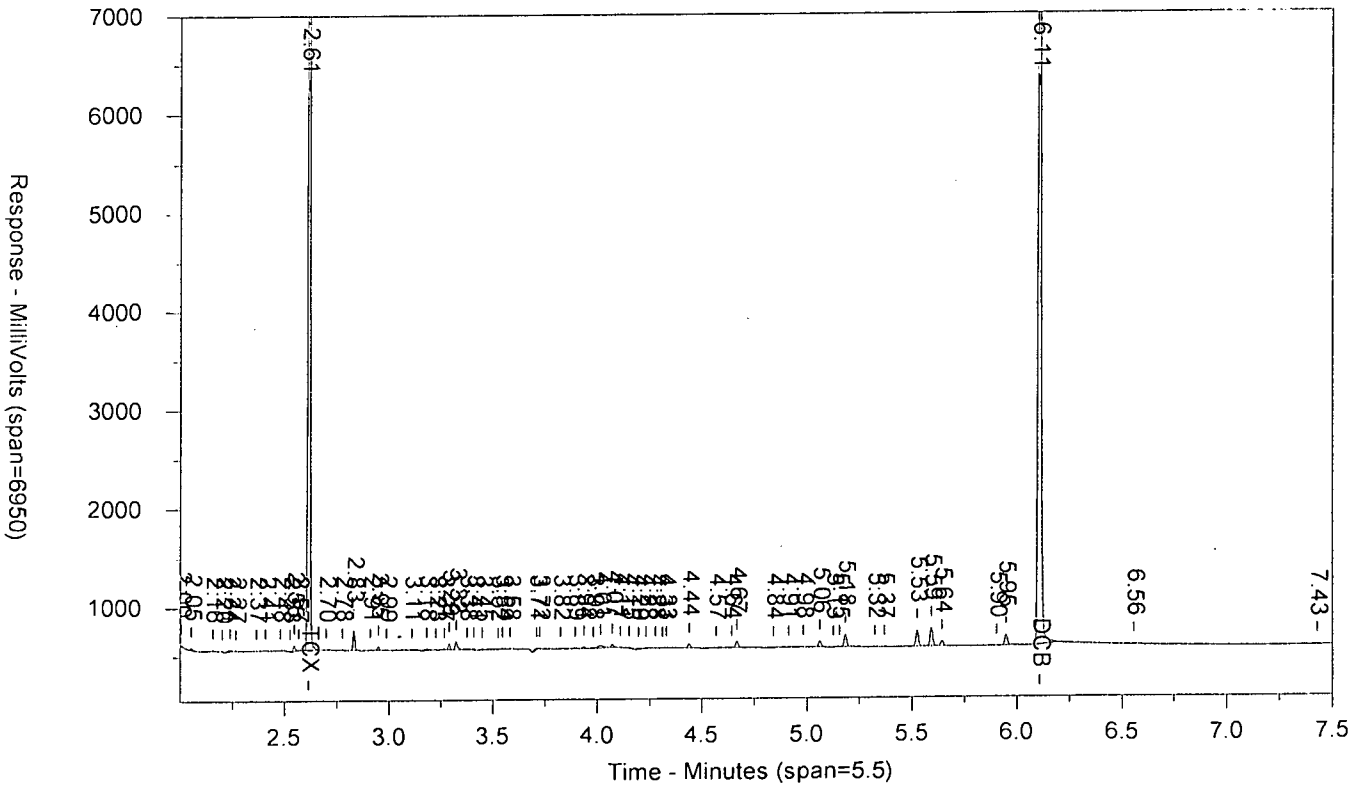

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YTPIBLKYT PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 1:43:52 AM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2424539	.213	TCX	2.614	15097330	.218	TCX
6.613	1380046	.201	DCB	6.107	10046600	.206	DCB

Files:
Area File: 20pcbs17137007.031.RAW
Area File: 20pcbs17137007B.031.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 1:52:34 AM
File Reported On: 5/25/2017 at 1:52:39 AM

IBLKX1724A YTPIBLKYT PIBLK1714399999 10736 SW-846 8082

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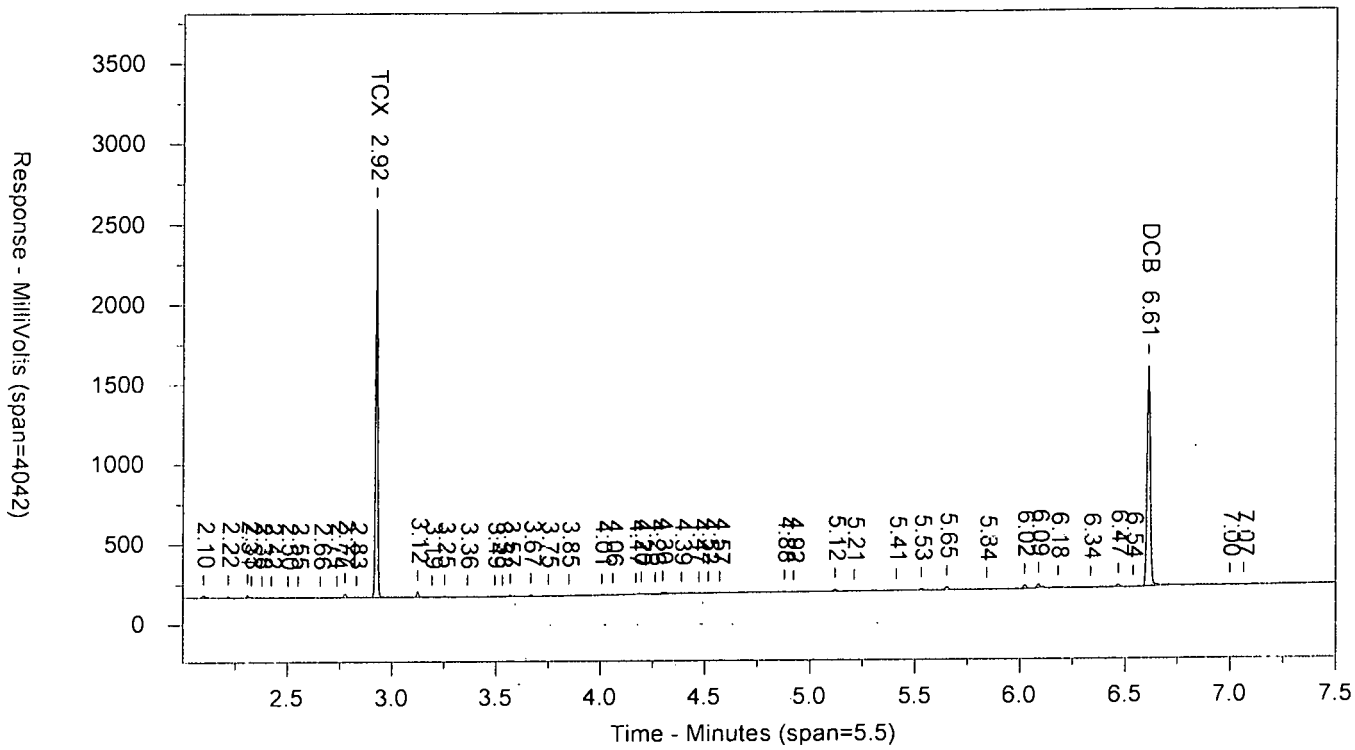

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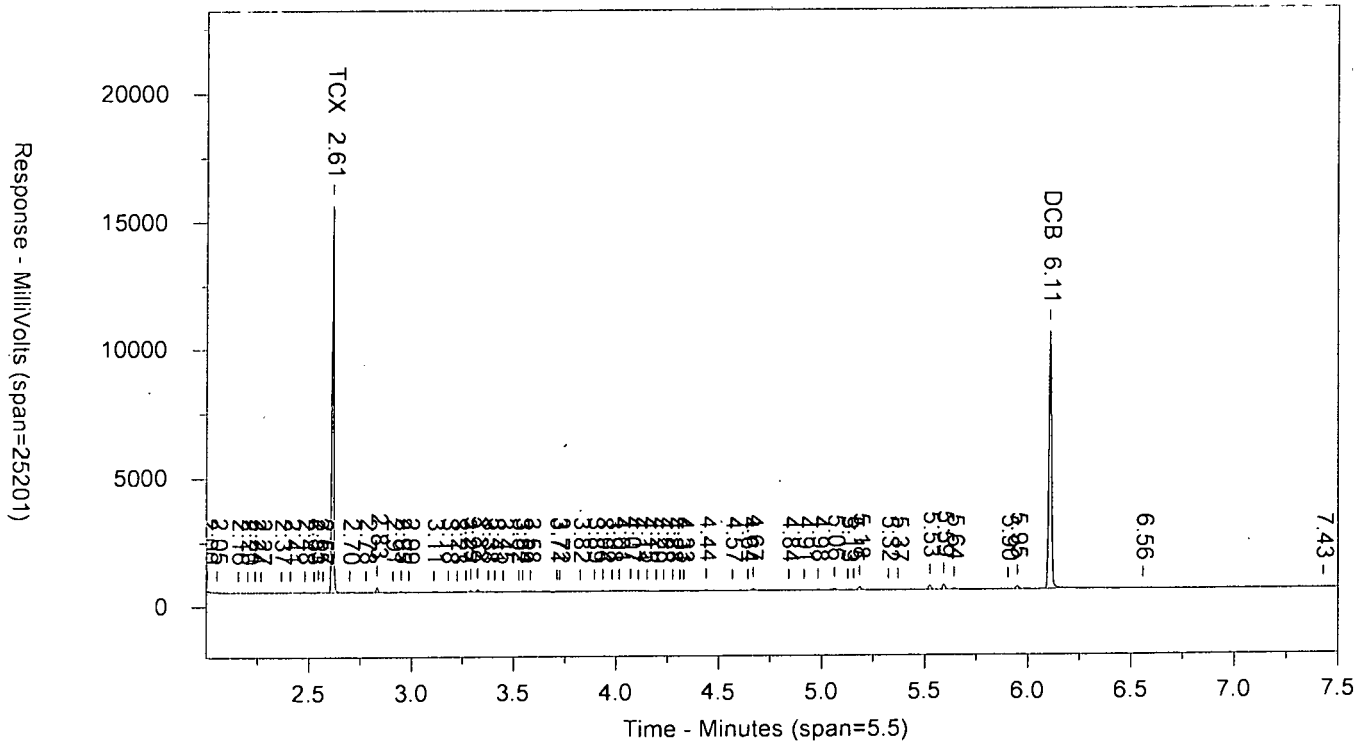

LANCASTER LABORATORIES

Sample Number: AR1631724A GCAR163GC CCAL 1714999999 10736 SW-846 8082
Injected On: 5/30/2017 11:05:34 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137012.025.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.096		3364	8781
2.217		17440	12723
2.31		7332	4264
2.328		5593	3433
2.378		2033	2470
2.423		4213	4144
2.566		5586	6829
2.69		454	837
2.773		3365	2596
2.828		5140	5220
2.924	TCX	4862179	3306504
3.013		666	377
3.077		77828	63744
3.133		104879	109150
3.181		433798	311898
3.254		10216	5508
3.275		58823	38617
3.314		1563	1107
3.396		430953	262226
3.413		198613	105470
3.449		52419	30061
3.465		13421	5701
3.482		38896	23668
3.511		482736	363946
3.547		1668	793
3.567		13916	8157
3.585		15743	8642
3.621		102654	57513
3.635		49815	23557
3.681		195784	114371
3.691		452981	242647
3.727		553618	413072
3.787		448360	349971
3.826		36383	25799
3.854		318455	236103
3.881		233212	191559
3.902		75648	38812
3.977		359806	261034
4.002		122017	78342
4.032		141060	100942
4.069		361899	368755
4.108		117004	95021
4.152		15529	12168
4.192		21503	18732
4.226		384235	289878
4.247		92345	52678
4.27		101995	75196
4.337		61173	52753
4.38		405054	377684
4.414		10517	6800
4.478		3773	3022
4.519		39460	41471
4.573		35408	23927
4.587		82825	56236

RT A	Compound A	Height A	Area A
4.633		263948	233543
4.678		360700	410875
4.716		85462	60836
4.755		825561	789677
4.799		4228	4780
4.847		133277	153319
4.877		10094	6263
4.903		148928	138876
4.956		1027259	1247821
5.004		175022	158471
5.048		451096	509344
5.091		6486	3605
5.128		93824	117754
5.164		1133440	1081459
5.186		29315	13695
5.226		544429	495153
5.27		330748	330860
5.391		661939	886035
5.449		318204	284293
5.489		155564	146563
5.531		43341	41549
5.574		224294	215949
5.631		1533061	1562532
5.838		818581	854388
5.874		81080	77239
5.89		76216	53968
6.023		47281	47861
6.086		44735	33383
6.109		135281	116563
6.266		340400	339535
6.31		23634	22809
6.465		108665	113597
6.559		817	575
6.61	DCB	2725211	2923116
7.064		2227	2281
7.152		800	1111
7.31		522	1564
7.401		2254	7872
7.494		893	1597
7.842		603	440
8.187		933	1809
8.461		595	610
8.681		2627	3520

LANCASTER LABORATORIES

Sample Number: AR1631724A GCAR163GC CCAL 1714999999 10736 SW-846 8082
Injected On: 5/30/2017 11:05:34 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137012B.025.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.053		43382	29009
2.114		2377	2413
2.156		7292	6765
2.186		8312	14163
2.235		23286	48175
2.299		25363	16193
2.367		3302	2951
2.395		1732	1260
2.409		3726	3479
2.475		4210	2691
2.53		3760	3395
2.543		9276	3631
2.571		9852	9787
2.615	TCX	30048960	17198820
2.658		191907	132158
2.703		5066	4895
2.785		463644	299378
2.832		262746	123094
2.846		403544	201323
2.898		2396011	1455010
2.948		74780	42969
3.009		315966	195339
3.104		3044469	2885289
3.155		327167	201069
3.177		179390	101621
3.202		269898	150096
3.226		3031551	1966985
3.263		117736	67564
3.29		94655	46617
3.308		793014	412503
3.324		520106	245144
3.351		5516	2863
3.374		2005245	839815
3.383		3342579	1472304
3.403		129007	47117
3.417		2821372	1837273
3.491		3510168	2144757
3.526		2358445	1424707
3.549		2552237	1387225
3.567		817621	415324
3.652		2920571	1896258
3.675		967526	521001
3.696		1019169	601294
3.724		687730	346690
3.741		2492216	1444474
3.782		850304	626029
3.83		123696	106809
3.853		665724	388779
3.874		3323033	2124613
3.899		695615	413791
3.919		111040	54055
3.938		349591	223119
3.973		2658619	1817931
4.007		125442	75583

RT B	Compound B	Height B	Area B
4.022		218850	139662
4.071		7300	5178
4.083		15461	8465
4.118		216331	210303
4.175		741482	534051
4.217		543133	334451
4.236		602881	324488
4.248		1647577	902116
4.275		1050524	1079265
4.327		5805176	4378975
4.374		82802	69451
4.397		631683	411188
4.421		1327769	951623
4.463		6860693	5303321
4.566		5546230	5266281
4.62		717760	590049
4.658		1554724	1329166
4.694		7089901	5820900
4.727		3225140	2242531
4.765		2336361	1837480
4.824		4190	2072
4.865		816599	839682
4.916		4103677	3318679
4.94		574439	375429
4.99		2223554	2005542
5.026		1139311	913684
5.056		873103	721285
5.088		329170	200495
5.111		9770035	7891138
5.151		212520	154047
5.183		460251	386367
5.301		112688	72811
5.325		1897377	1614993
5.371		6586425	7024299
5.487		3793	2516
5.525		346434	291222
5.57		165327	115510
5.594		307814	241189
5.643		1124385	988968
5.749		2323549	1970436
5.781		129915	94517
5.948		726158	645286
6.107	DCB	19574940	17198930
6.228		5680	6838
6.259		3158	1513
6.286		5229	3170
6.556		13802	15761
6.809		2304	2208
7.129		2434	3003
7.191		2147	2630
7.356		18305	69776
7.722		1609	2366
7.84		2360	2687
8.12		2792	6244
8.212		20937	41234
8.427		1706	2087

AR1631724A GCAR163GC CCAL 1714999999 10736 SW-846 8082

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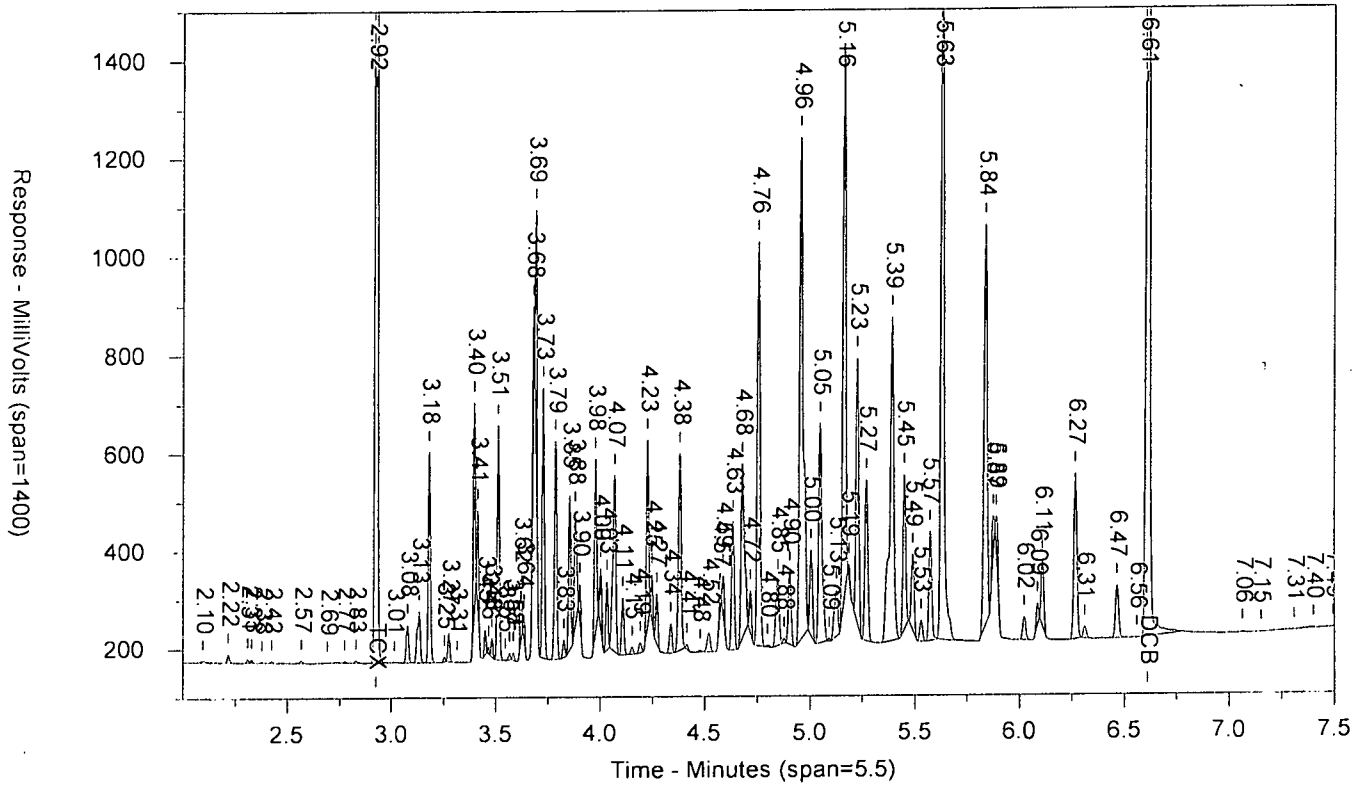

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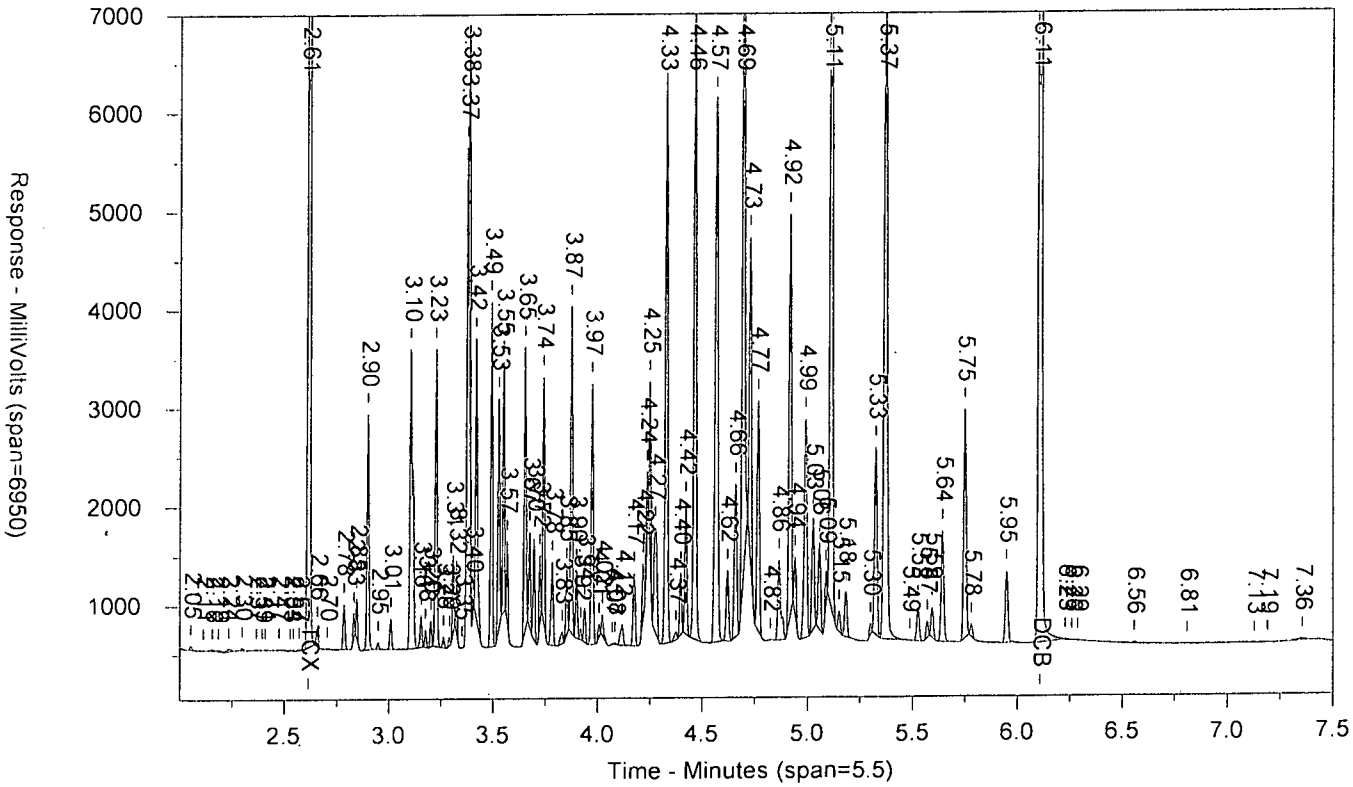

LANCASTER LABORATORIES

Sample Number: AR1631724A GCAR163GC CCAL 1714999999 10736 SW-846 8082
Injected On: 5/30/2017 11:05:34 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4862179	42.786	TCX	2.615	30048960	43.467	TCX
6.61	2725211	39.601	DCB	6.107	19574940	40.18	DCB

Files:
Area File: 20pcbs17137012.025.RAW
Area File: 20pcbs17137012B.025.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/30/2017 11:14:18 PM
File Reported On: 5/30/2017 at 11:14:28 PM

AR1631724A GCAR163GC CCAL 1714999999 10736 SW-846 8082

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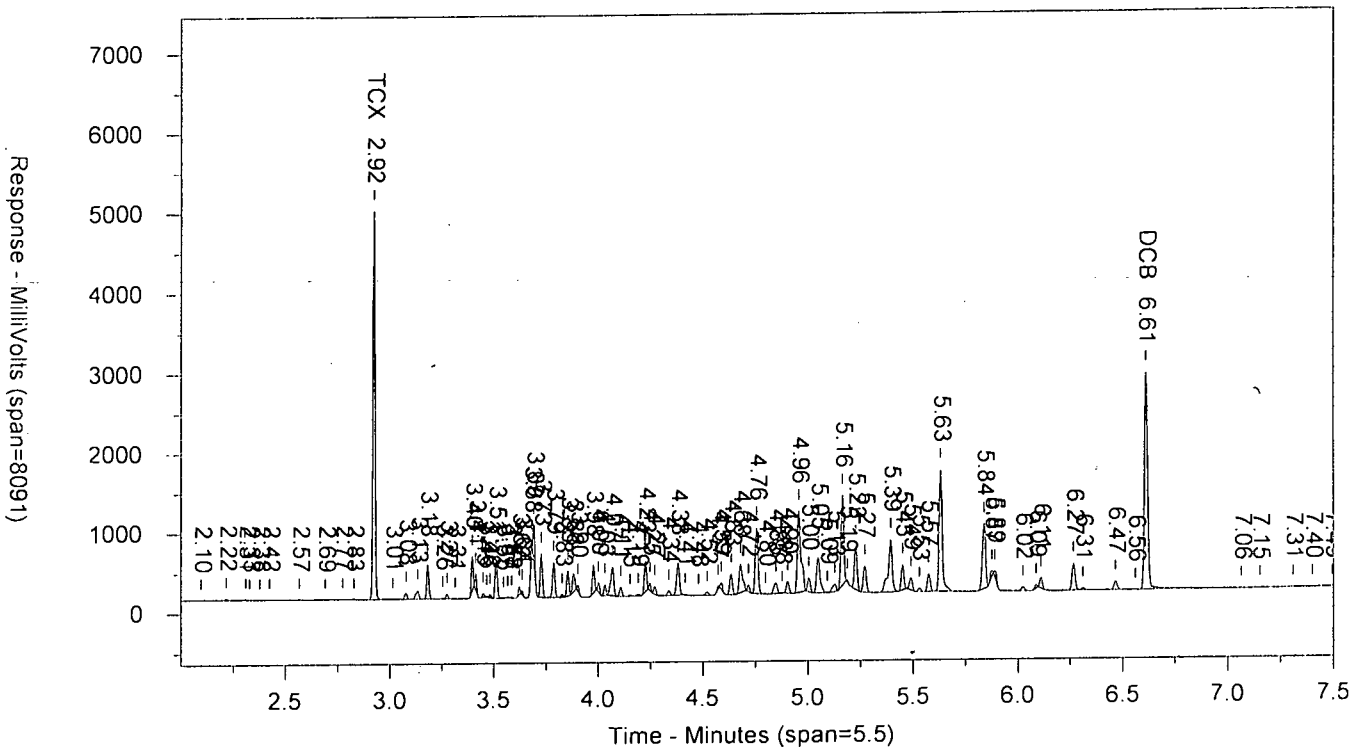

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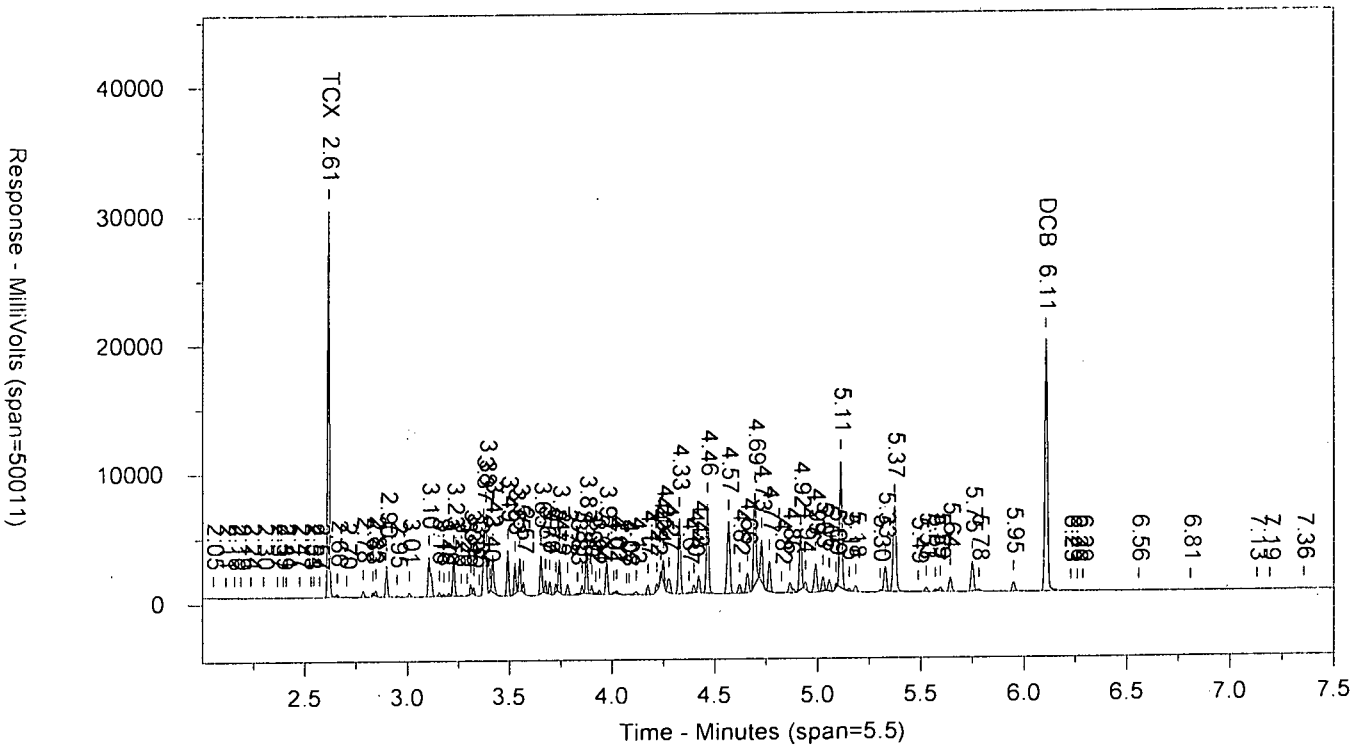

LANCASTER LABORATORIES

Sample Number: IBLKX1724A BGPIBLKBG PIBLK1714999999 10736 SW-846 8082
Injected On: 5/30/2017 11:17:07 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x-0.25um
Date File: 20pcbs17137012.026.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.103		24218	31413
2.218		8630	7115
2.31		20405	12391
2.328		2239	1196
2.38		2875	3361
2.425		2575	2074
2.505		2383	2677
2.549		2842	5192
2.661		1527	2593
2.721		631	361
2.775		33394	28545
2.83		2493	2360
2.924	TCX	2522120	1662691
3.124		34327	22369
3.192		2562	2165
3.254		5692	4155
3.291		710	1284
3.493		1120	720
3.53		1002	689
3.568		8119	5190
3.667		13975	10526
3.749		1498	1796
3.853		1939	1974
3.894		931	592
4.056		846	2609
4.193		3927	6031
4.298		3651	3574
4.389		1015	1398
4.519		1568	2586
4.878		4540	3694
5.12		9872	9779
5.206		1480	1416
5.434		3665	7658
5.53		9401	9564
5.652		20238	20350
5.749		1320	966
5.843		1443	2003
6.023		25779	26200
6.088		26461	24198
6.215		935	3722
6.467		16693	16962
6.508		1158	1132
6.612	DCB	1416445	1510401
6.915		1102	1278
7.217		390	793
7.886		838	631
8.306		557	315

LANCASTER LABORATORIES

Sample Number: IBLKX1724A BGPIBLKBG PIBLK1714999999 10736 SW-846 8082
Injected On: 5/30/2017 11:17:07 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137012B.026.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.008		54684	48029
2.052		19814	15165
2.118		2423	1845
2.155		8025	6691
2.202		9541	4663
2.24		21463	26215
2.273		4366	3956
2.367		5969	8371
2.409		9678	12465
2.477		8892	14034
2.546		97176	74595
2.592		3630	1828
2.614	TCX	14668700	8731451
2.702		3063	1827
2.778		8953	4981
2.801		4932	4385
2.832		207404	125931
2.88		5627	4000
2.948		37266	22180
2.986		3947	3619
3.182		13296	21190
3.268		6895	4139
3.29		56286	30484
3.325		105130	65253
3.381		5087	5575
3.408		22938	15931
3.449		9712	14297
3.544		14598	15616
3.582		3513	6981
3.71		18966	32720
3.77		4661	4753
3.815		3487	5609
3.86		2909	6314
3.937		22505	14831
4.015		3822	5234
4.073		22413	20052
4.108		3307	2455
4.15		5275	8235
4.198		7443	8835
4.248		6605	18409
4.328		3645	2929
4.44		31289	24270
4.539		2073	6158
4.568		2757	2429
4.593		3909	3251
4.622		4317	2767
4.643		4104	2332
4.668		60768	49106
4.74		3524	11488
4.843		24472	43507
4.938		2243	1641
4.984		7908	7526
5.063		50557	57599
5.118		2250	2984

RT B	Compound B	Height B	Area B
5.158		1860	1076
5.184		133979	121628
5.347		13604	23662
5.418		3525	14100
5.475		4319	7859
5.526		179343	156154
5.594		213122	187930
5.643		45717	41478
5.949		108133	96859
6.067		1408	894
6.108	DCB	10152450	8985625
6.278		2608	7834
6.559		7809	7167
6.883		1576	2525
7.193		1762	2132
7.352		27381	105181
8.215		21397	45752
8.581		1170	2537

IBLKX1724A BGPIBLKBG PIBLK1714999999 10736 SW-846 8082

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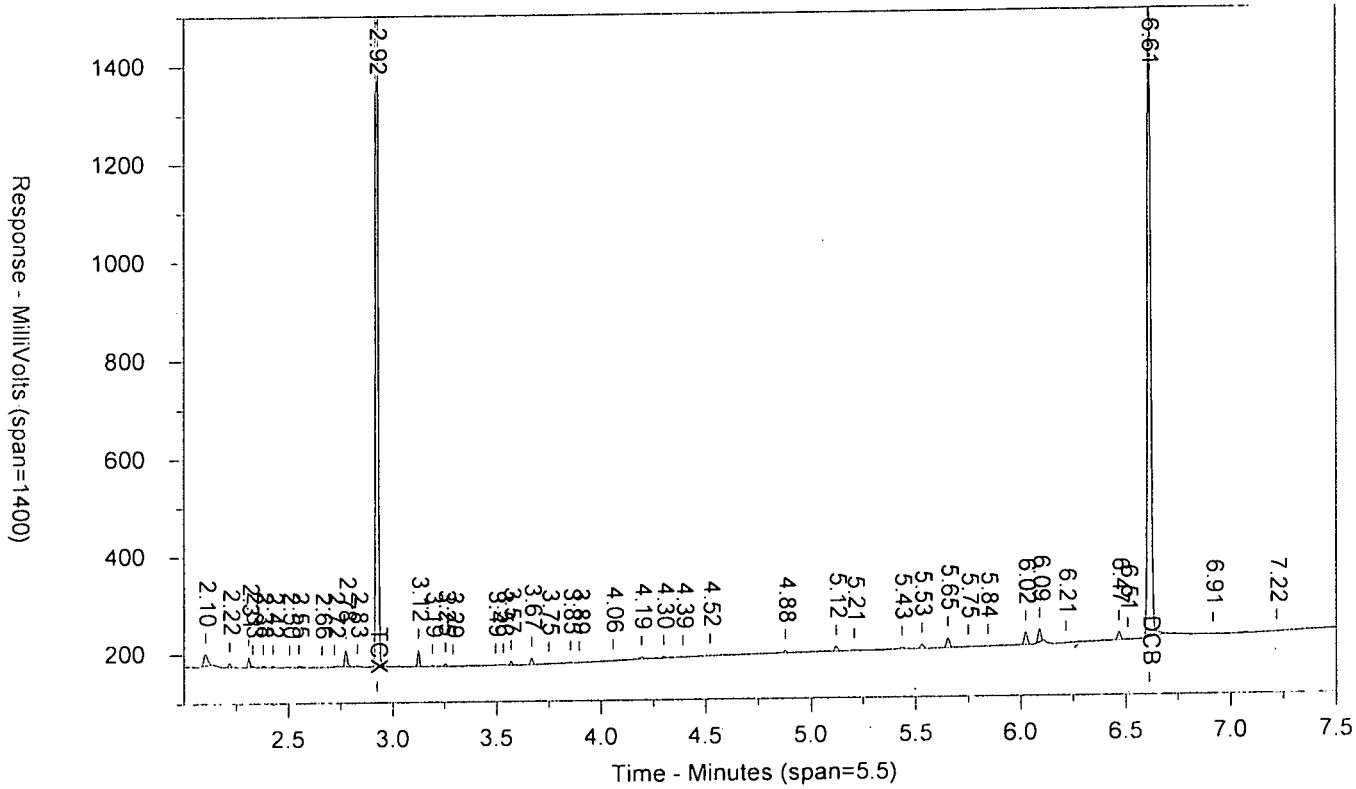

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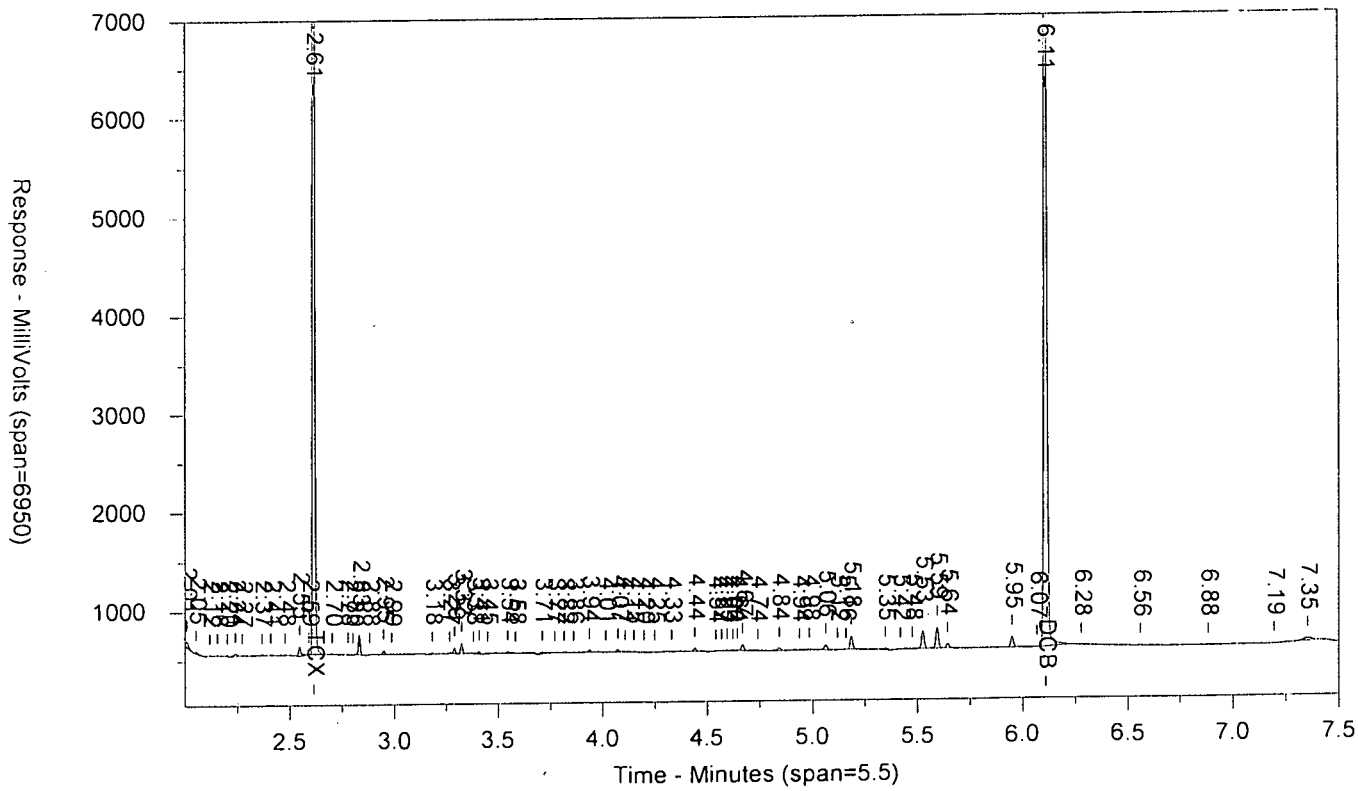

LANCASTER LABORATORIES

Sample Number: IBLKX1724A BGPIBLKBG PIBLK1714999999 10736 SW-846 8082
Injected On: 5/30/2017 11:17:07 PM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2522120	.222	TCX	2.614	14668700	.212	TCX
6.612	1416445	.206	DCB	6.108	10152450	.208	DCB

Files:
Area File: 20pcbs17137012.026.RAW
Area File: 20pcbs17137012B.026.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/30/2017 11:25:48 PM
File Reported On: 5/30/2017 at 11:25:56 PM

IBLKX1724A BGPIBLKBG PIBLK1714999999 10736 SW-846 8082

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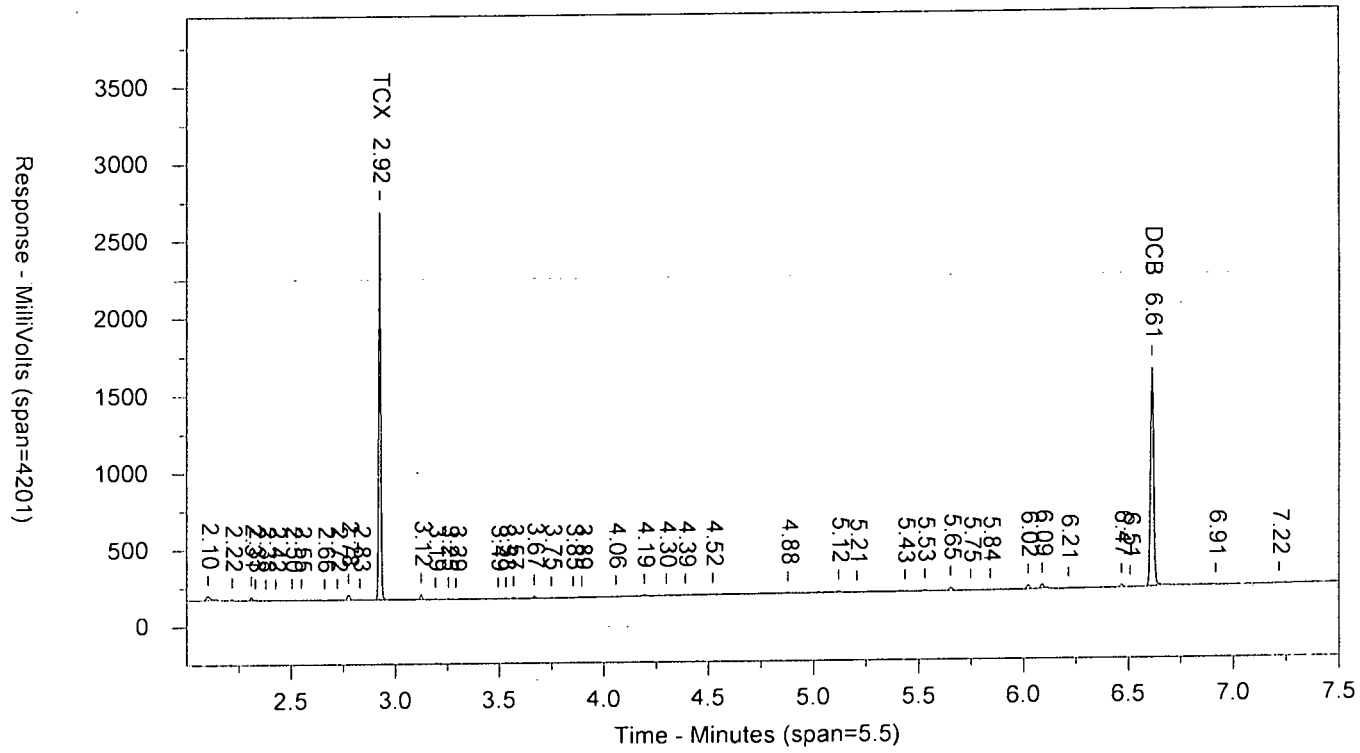

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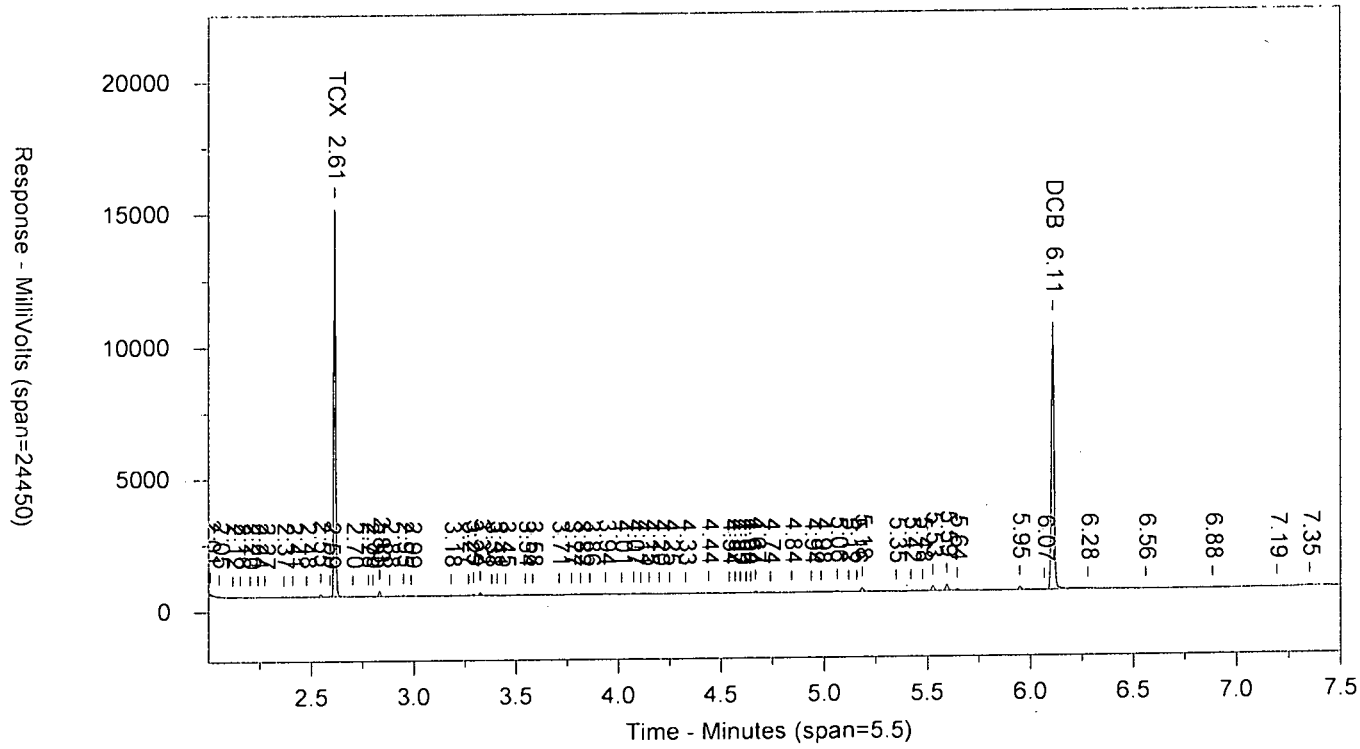

LANCASTER LABORATORIES

Sample Number: AR1631724A GJAR163GJ CCAL 1714999999 10736 SW-846 8082
Injected On: 5/31/2017 3:17:13 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137012.047.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		3404	5561
2.217		18282	13107
2.31		8487	5265
2.329		5777	3391
2.377		1834	2044
2.424		2778	2323
2.496		759	963
2.565		5017	4044
2.657		907	721
2.774		5464	4305
2.828		2992	3267
2.924	TCX	5164872	3390041
3.077		80904	65113
3.134		104053	111788
3.182		453751	318682
3.254		9607	5420
3.275		60736	39551
3.313		1332	1259
3.397		442118	266730
3.413		198664	105152
3.45		53133	30607
3.466		13332	5608
3.483		40984	24162
3.512		489102	371417
3.548		1922	959
3.568		15228	8616
3.586		15608	9014
3.622		105430	60771
3.637		49775	24570
3.682		238536	127974
3.693		523670	253493
3.729		553436	419812
3.788		444760	355406
3.828		37314	26235
3.855		326849	238904
3.882		235286	200302
3.904		68612	37742
3.979		370877	262692
4.003		126391	81268
4.033		136258	101485
4.069		362758	372909
4.109		119661	95886
4.155		16539	12551
4.193		21058	18624
4.227		381039	290581
4.248		92587	54463
4.271		104643	74359
4.296		1692	1026
4.338		62044	52829
4.381		425162	380062
4.415		11603	7699
4.479		4808	3667
4.519		48176	49641
4.574		34334	24792

RT A	Compound A	Height A	Area A
4.588		80830	55302
4.634		268389	234692
4.68		368189	412686
4.717		84494	61043
4.756		832012	791748
4.799		5722	6193
4.847		135776	154267
4.877		13441	8437
4.903		147842	137160
4.956		1013219	1258209
5.006		179308	162953
5.049		492722	512141
5.092		7861	4510
5.128		95883	120960
5.164		1139764	1083623
5.187		29161	12479
5.227		548444	497108
5.27		338116	332628
5.372		19539	33933
5.392		546842	497533
5.45		318576	291350
5.49		161570	142188
5.531		45715	43863
5.575		220041	215300
5.631		1597385	1561416
5.72		1724	2153
5.838		829963	855052
5.877		71960	81618
5.891		74570	52820
6.023		53911	54199
6.087		44472	36607
6.11		128892	110790
6.267		333386	336936
6.312		23578	22822
6.467		109247	115056
6.613	DCB	2763545	2815402
6.745		1606	1216
6.774		1589	915
6.865		1063	617
7.07		2090	2510
7.661		640	758
7.796		800	1108
8.169		651	1264
8.636		528	538

LANCASTER LABORATORIES

Sample Number: AR1631724A GJAR163GJ CCAL 1714999999 10736 SW-846 8082
Injected On: 5/31/2017 3:17:13 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137012B.047.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.053		43012	29513
2.116		3049	2206
2.156		11175	35514
2.238		17208	29902
2.299		26527	17766
2.364		3920	3019
2.477		8266	18883
2.529		5191	5085
2.545		18309	8423
2.57		7308	5621
2.615	TCX	30844610	17684950
2.658		199527	138147
2.702		8196	6093
2.785		482286	308825
2.832		278212	128431
2.846		416250	209878
2.898		2464552	1485379
2.948		75662	42532
3.008		321270	200706
3.104		2108266	1039457
3.115		793505	287222
3.156		344304	220100
3.177		187148	104499
3.202		278952	153643
3.226		3106049	2012965
3.263		123548	71880
3.29		104894	50921
3.309		833236	419178
3.324		489805	244346
3.35		5058	2501
3.374		1690162	823360
3.383		3415307	1480130
3.404		111628	45582
3.417		3064577	2008022
3.491		3569156	2192131
3.526		2333693	1463054
3.55		2655552	1425011
3.567		852068	421221
3.653		2904298	1929861
3.675		1085246	577483
3.696		988188	598144
3.725		705382	359674
3.742		2600967	1466919
3.784		865174	636574
3.831		135673	118061
3.853		649262	397836
3.875		3460469	2158005
3.9		707829	415559
3.919		112116	55309
3.938		393393	241524
3.973		2684878	1842788
4.007		133925	81262
4.023		223166	140142
4.071		7431	4985

RT B	Compound B	Height B	Area B
4.085		17519	9923
4.118		244001	255535
4.151		9922	4678
4.175		704607	510433
4.218		588593	351842
4.235		628589	324810
4.249		1773081	953932
4.275		1099108	1091584
4.327		5978447	4424269
4.374		87344	78757
4.396		598633	410595
4.421		1294488	942255
4.464		6949866	5289601
4.567		5562329	5311326
4.62		711147	607561
4.658		1528149	1323320
4.695		6832761	5788326
4.727		3311096	2244992
4.765		2333412	1839143
4.827		10422	11532
4.865		819383	842799
4.917		4213495	3340230
4.94		613149	390551
4.99		2187559	2011001
5.026		1167957	902306
5.056		854896	721679
5.088		353873	211293
5.11		9556656	7988851
5.151		206996	148818
5.184		508600	413599
5.302		107813	68683
5.326		1927923	1606912
5.37		6544464	7069013
5.526		367481	326024
5.57		162948	113559
5.594		375751	292601
5.643		1086008	1004648
5.75		2299037	1969356
5.781		128397	96875
5.949		734727	655794
6.108	DCB	19572100	17160390
6.282		8890	9220
6.488		2146	1966
6.559		12323	13929
7.354		2929	10298
7.604		3394	6326
7.729		2643	4726
8.123		1660	2310
8.214		22205	41941
8.327		1563	2199

AR1631724A GJAR163GJ CCAL 1714999999 10736 SW-846 8082

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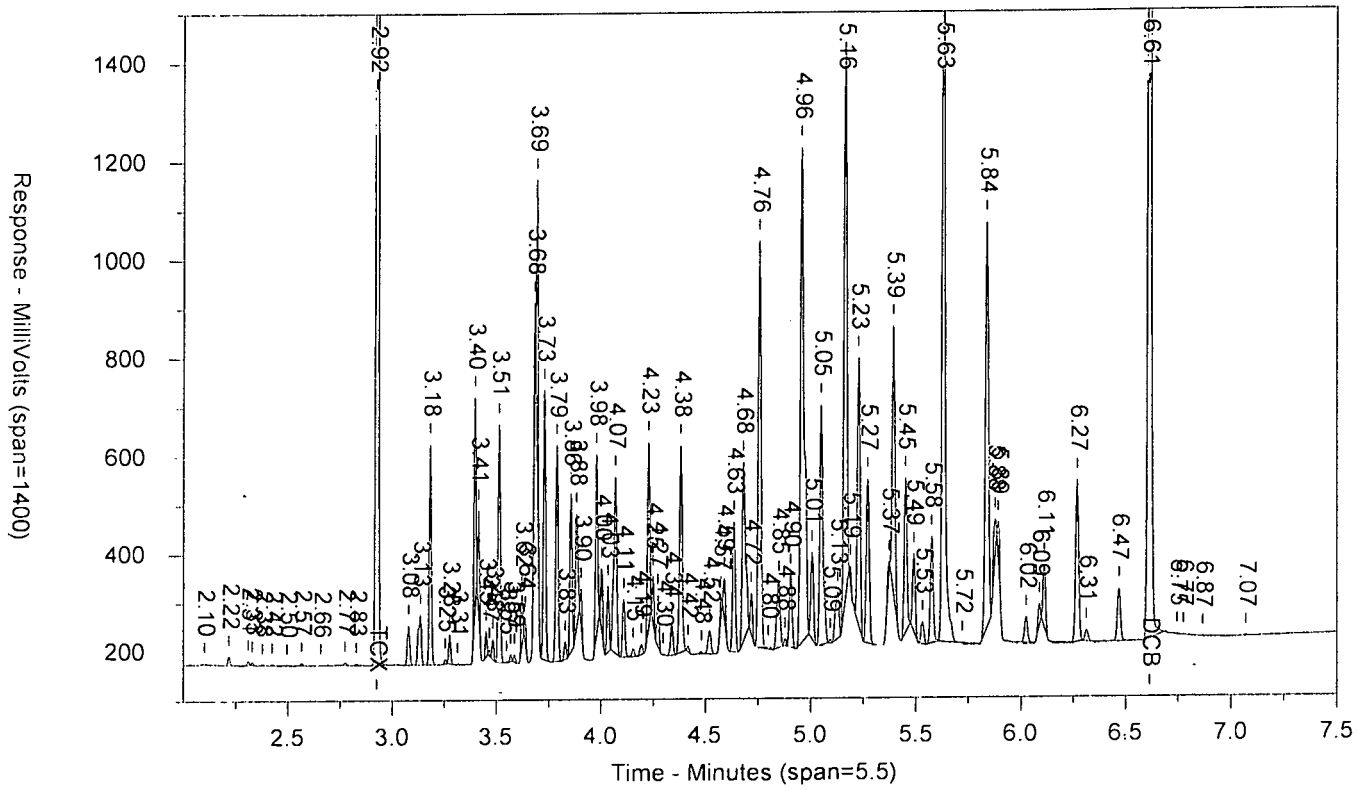

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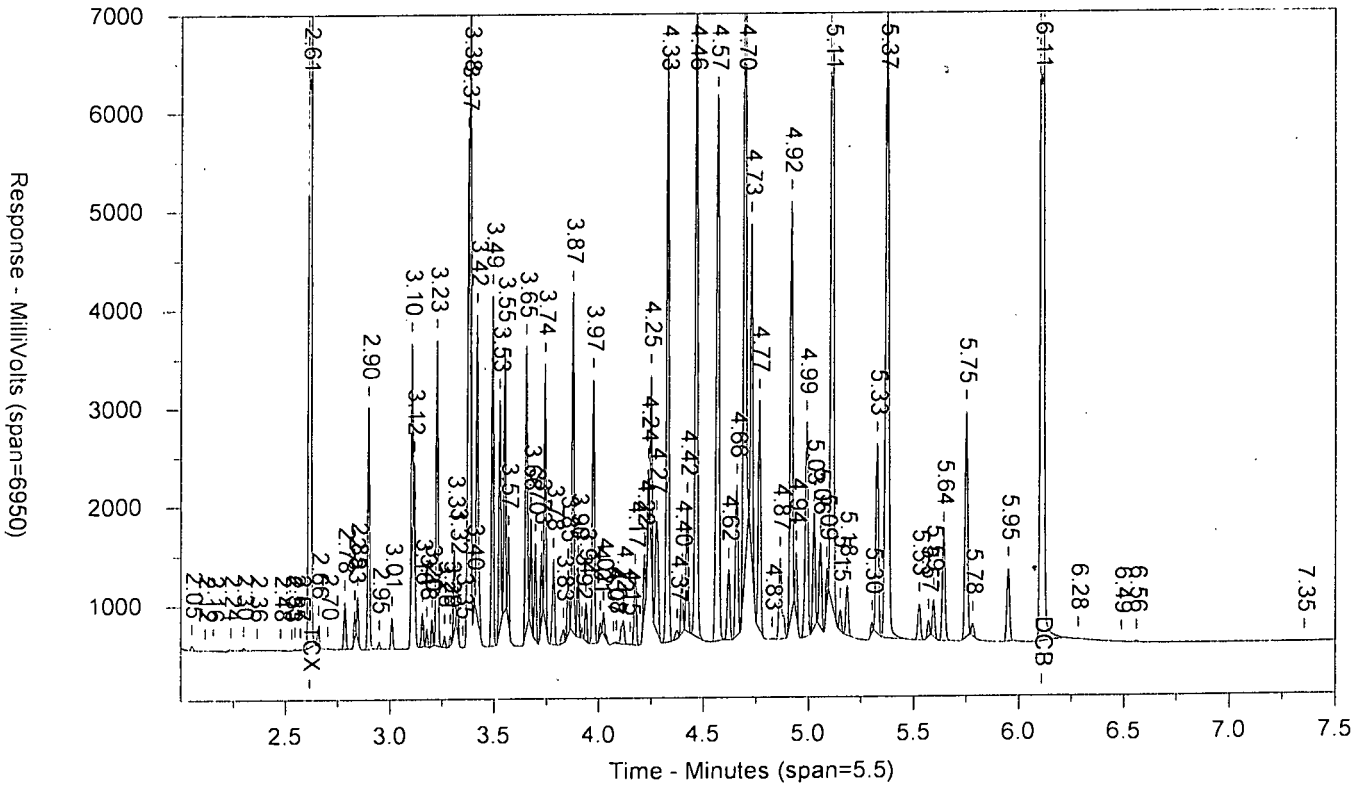

LANCASTER LABORATORIES

Sample Number: AR1631724A GJAR163GJ CCAL 1714999999 10736 SW-846 8082
Injected On: 5/31/2017 3:17:13 AM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	5164872	45.449	TCX	2.615	30844610	44.618	TCX
6.613	2763545	40.158	DCB	6.108	19572100	40.174	DCB

Files:
Area File: 20pcbs17137012.047.RAW
Area File: 20pcbs17137012B.047.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/31/2017 3:25:56 AM
File Reported On: 5/31/2017 at 3:26:07 AM

AR1631724A GJAR163GJ CCAL 1714999999 10736 SW-846 8082

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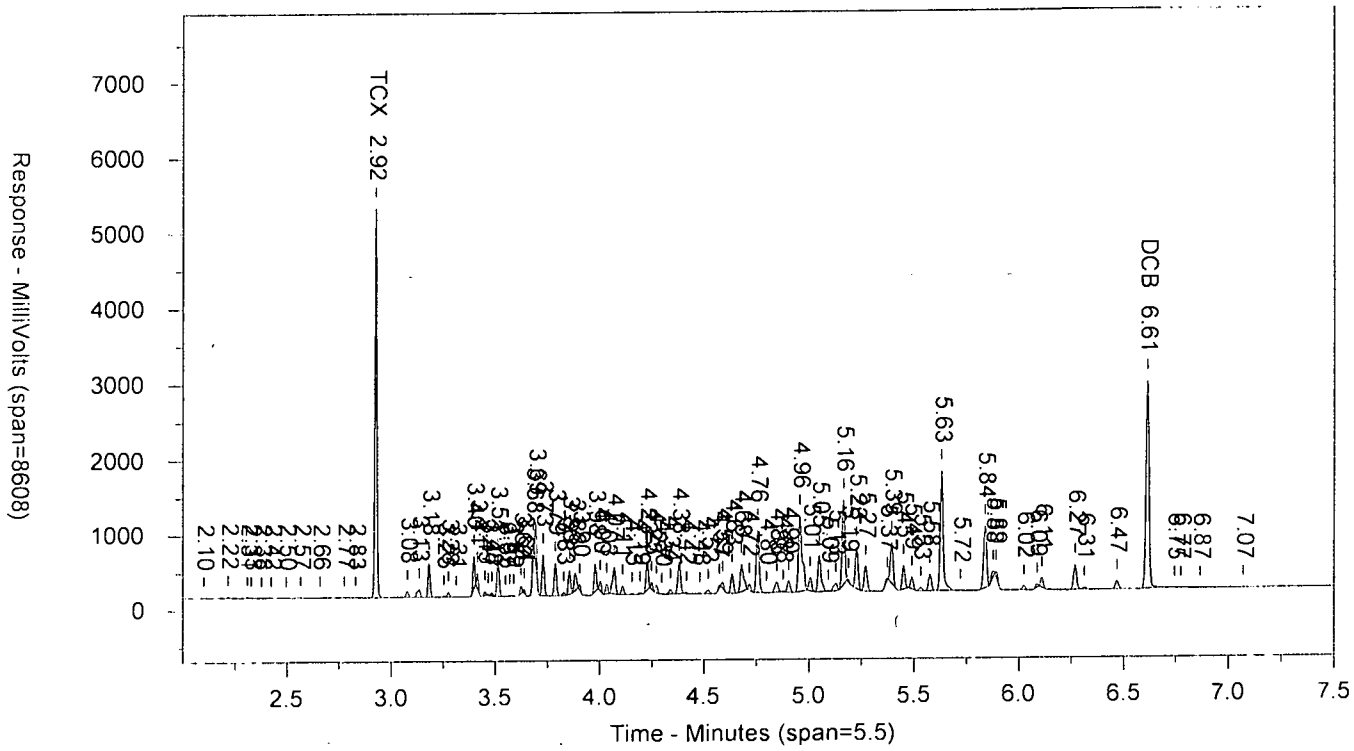

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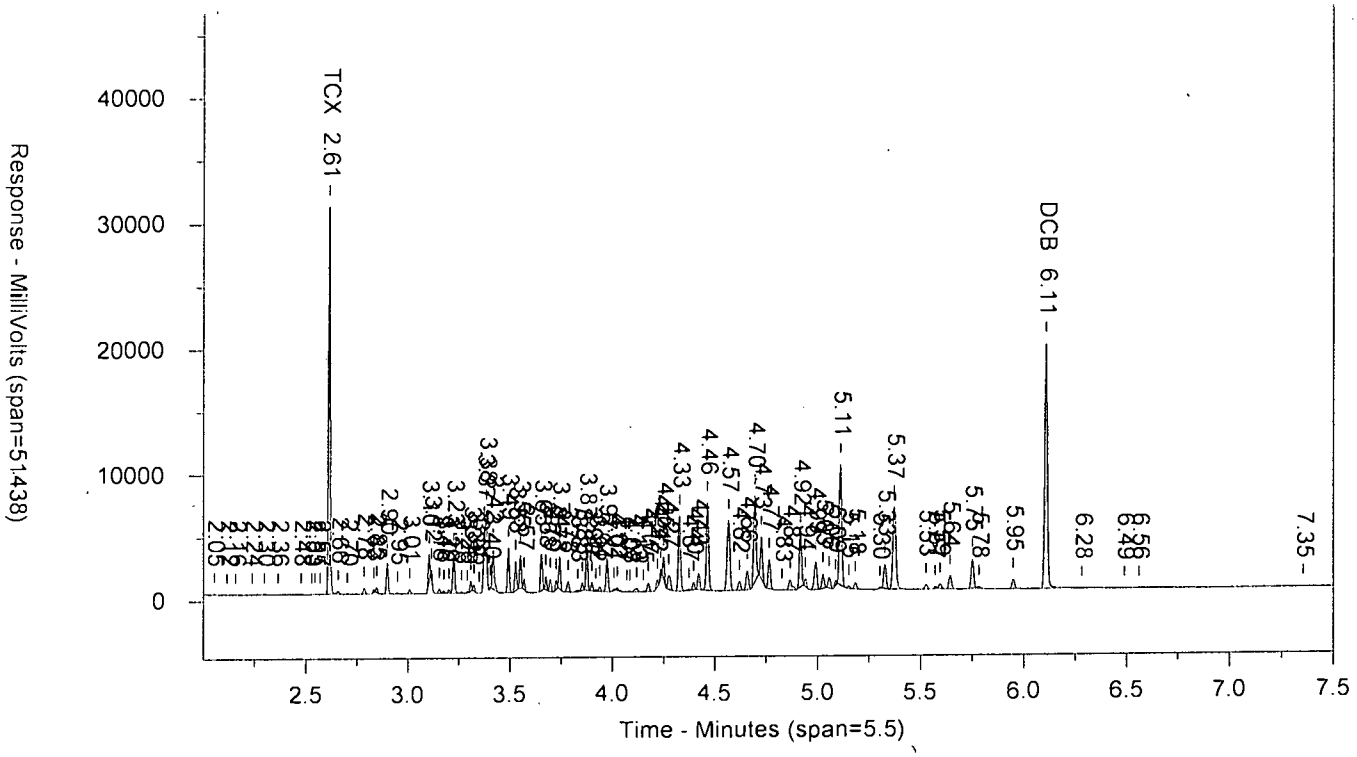

LANCASTER LABORATORIES

Sample Number: IBLKX1724A BSPIBLKBS PIBLK1714999999 10736 SW-846 8082
Injected On: 5/31/2017 3:28:32 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137012.048.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.014		619	629
2.1		16057	22826
2.217		8579	7331
2.309		20377	12532
2.329		2265	1130
2.379		2307	2384
2.424		2673	2227
2.549		2430	1613
2.658		1290	1292
2.726		1174	1375
2.774		18828	15142
2.829		2750	2932
2.924	TCX	2523789	1632447
3.123		35405	21778
3.19		2709	2531
3.253		5655	3748
3.361		935	892
3.493		1136	703
3.511		983	461
3.528		1318	794
3.567		8354	5030
3.665		13385	10161
3.748		1408	1471
3.852		1659	1662
3.896		769	708
4.19		4187	6904
4.296		4750	5009
4.386		764	936
4.471		713	546
4.509		1983	2876
4.574		1095	1401
4.856		898	914
4.877		4406	3373
4.92		993	1273
5.004		2491	2646
5.043		1892	1740
5.117		8791	8119
5.204		1763	2315
5.4		720	2815
5.43		17848	21039
5.529		8659	8893
5.65		16689	16270
5.745		3794	3647
5.837		1550	1884
6.022		22990	22041
6.087		23569	21247
6.184		4548	8227
6.288		878	2187
6.328		677	532
6.465		15712	15425
6.504		2185	2306
6.609	DCB	1329188	1487108
7.07		1446	2509
7.283		493	1171

RT A	Compound A	Height A	Area A
7.572		542	508
7.842		723	572
8.684		3849	4707

LANCASTER LABORATORIES

Sample Number: IBLKX1724A BSPIBLKBS PIBLK1714999999 10736 SW-846 8082
Injected On: 5/31/2017 3:28:32 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137012B.048.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		18979	12004
2.053		21085	14648
2.118		3495	3757
2.155		10969	9912
2.237		21400	27603
2.273		4642	4093
2.343		1724	1243
2.365		4966	5109
2.392		2459	1102
2.41		9559	9594
2.477		4599	3621
2.546		52196	29473
2.592		5642	2936
2.615	TCX	14760760	8616651
2.778		9223	5978
2.802		3036	1876
2.832		200371	124710
2.892		8550	20750
2.948		39858	26805
2.988		5060	5363
3.086		1548	3774
3.125		8659	19569
3.182		16745	23806
3.226		4851	3720
3.266		6135	2362
3.29		59050	33992
3.324		106183	64449
3.353		5938	3873
3.375		4805	5478
3.407		21979	14113
3.448		11657	13910
3.477		2608	3572
3.524		3745	2262
3.544		12243	13167
3.58		2137	1099
3.596		3549	3190
3.71		11317	18387
3.771		3630	3496
3.826		3854	4768
3.935		17356	12248
3.972		2599	2628
4.013		5008	7533
4.071		19799	16464
4.106		4704	5182
4.151		14356	26697
4.201		11476	16559
4.235		8118	10859
4.329		4747	3952
4.397		3663	2733
4.438		28243	20640
4.523		4814	8311
4.564		3690	2755
4.592		12486	10398
4.618		3781	1839

RT B	Compound B	Height B	Area B
4.642		8114	5883
4.667		45425	34221
4.695		3382	2342
4.741		3458	10814
4.839		111542	127201
4.914		3607	2348
4.94		2970	1967
4.982		5630	5826
5.028		1962	1722
5.061		47138	41951
5.111		3987	3395
5.155		4358	3018
5.183		114922	95012
5.342		51290	82241
5.414		15127	73398
5.472		10114	22206
5.525		163838	138664
5.566		3251	2280
5.593		184250	160766
5.642		50926	46067
5.69		4722	5363
5.731		3103	2184
5.948		106654	100772
6.107	DCB	9661899	8789335
6.248		2322	1885
6.483		2422	5059
6.557		7433	6928
6.728		3846	10504
6.865		3382	5181
6.998		1547	3177
7.126		3726	5589
7.208		2115	7237
8.118		2130	3418
8.213		23564	45594
8.618		1756	1160

IBLKX1724A BSPIBLKBS PIBLK1714999999 10736 SW-846 8082

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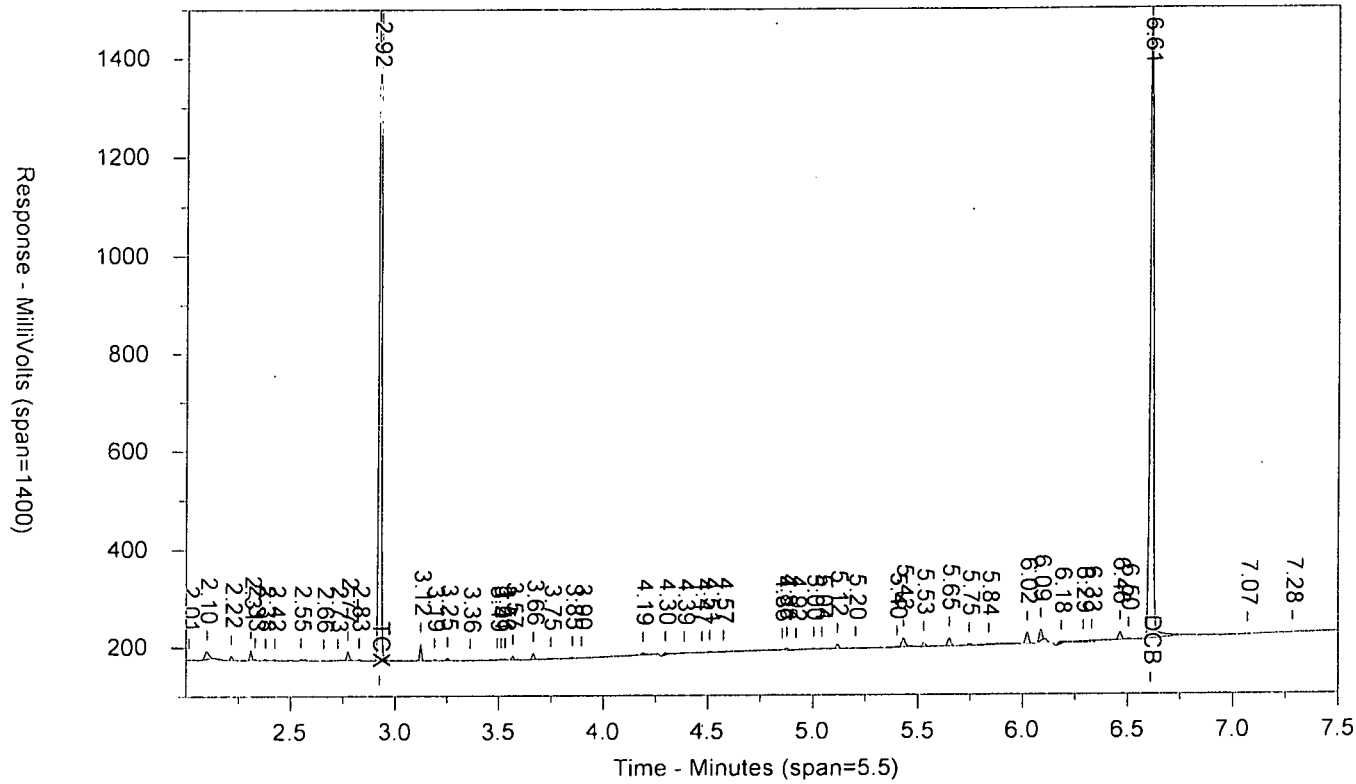

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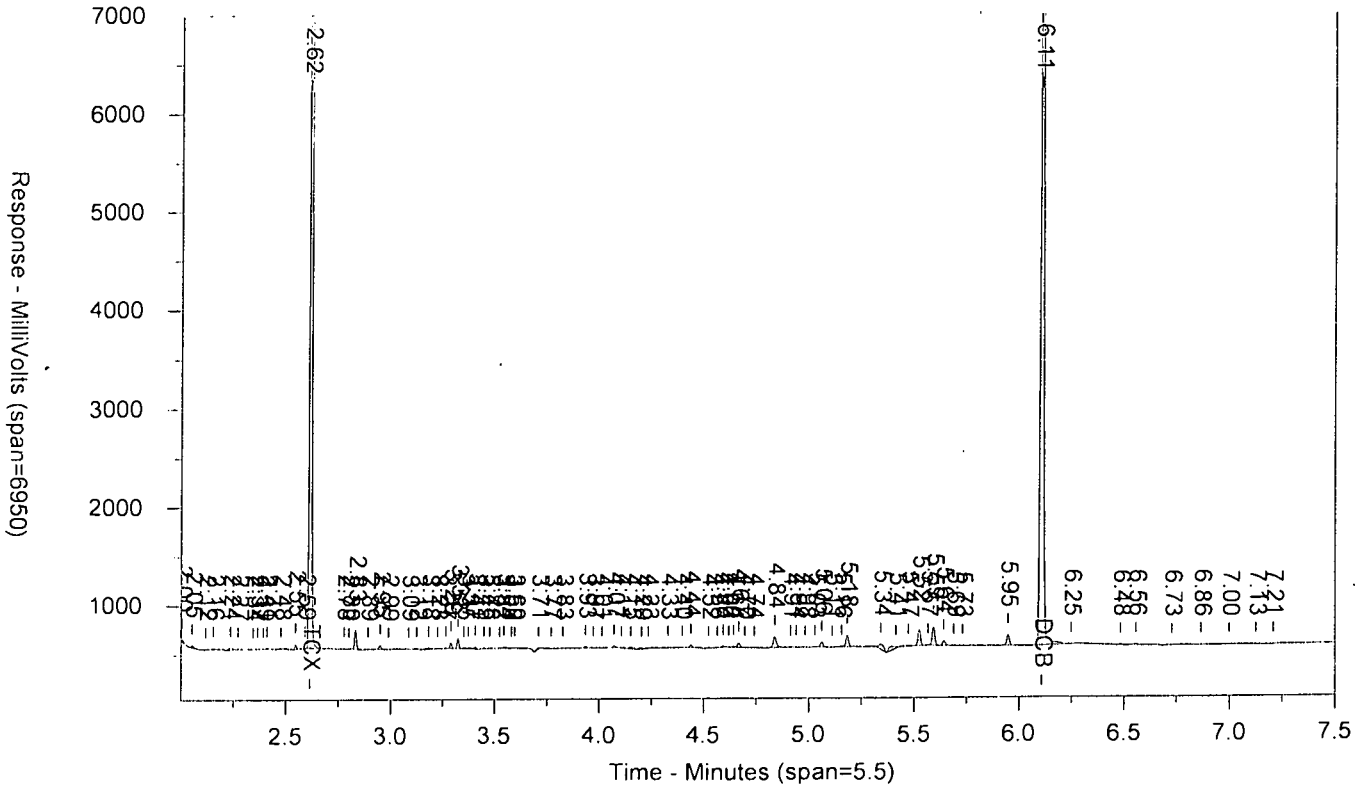

LANCASTER LABORATORIES

Sample Number: IBLKX1724A BSPIBLKBS PIBLK1714999999 10736 SW-846 8082
Injected On: 5/31/2017 3:28:32 AM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2523789	.222	TCX	2.615	14760760	.214	TCX
6.609	1329188	.193	DCB	6.107	9661899	.198	DCB

Files:
Area File: 20pcbs17137012.048.RAW
Area File: 20pcbs17137012B.048.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/31/2017 3:37:17 AM
File Reported On: 5/31/2017 at 3:37:25 AM

IBLKX1724A BSPIBLKBS PIBLK1714999999 10736 SW-846 8082

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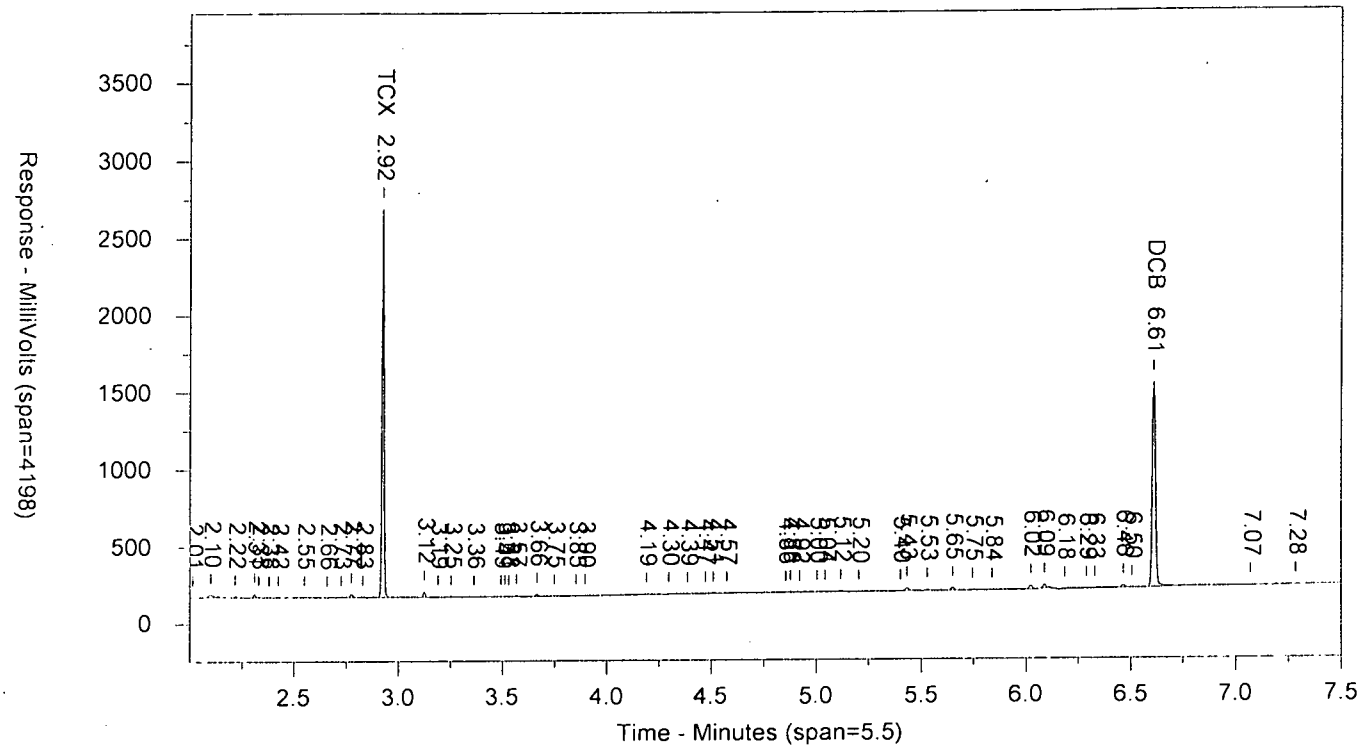

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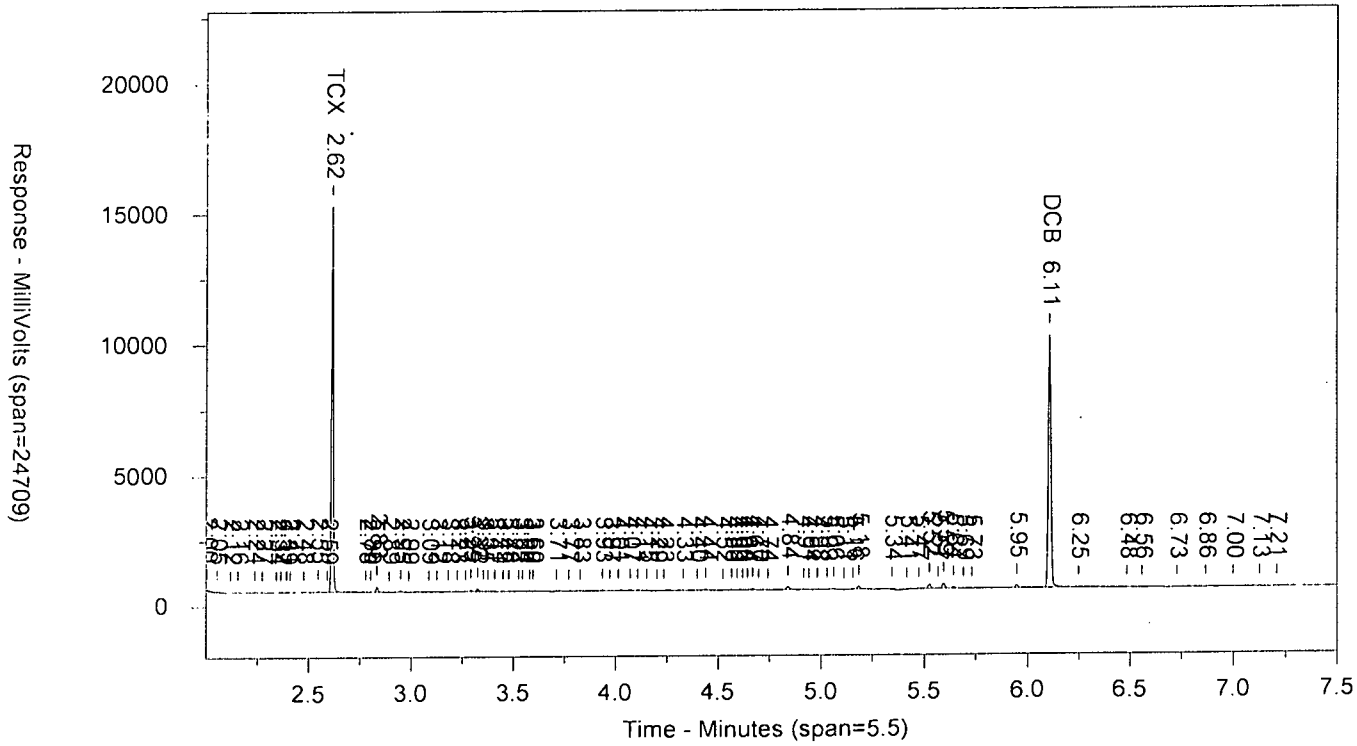


Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 5/25/17 ACF PBLK04145 BLK Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 16:36:19
Instrument	18274A
Result file	25PCBS17116021.013.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 102% (61 - 152) Conc: 29.82514
%SSR(DCB) 109% (48 - 164) Conc: 31.98742

Analysis Report (B)

Injected on	May 26, 2017 16:36:19
Instrument	18274B
Result file	25PCBS17116021B.013.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 103% (61 - 152) Conc: 30.00777
%SSR(DCB) 102% (48 - 164) Conc: 29.95572

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.95	2.97	4168778	29.82514	Tetrachloro-m-xylene	2.59	2.62	2.65	5714312	30.00777
Decachlorobiphenyl	6.61	6.64	6.67	3188614	31.98742	Decachlorobiphenyl	6.10	6.13	6.16	7061484	29.95572

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	30.00777				0.61	
☐ Decachlorobiphenyl	A	31.98742				6.56	

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Potential Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/25/17 ACF PBLK04145 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 16:36:19
Instrument : CP25--18274A
Result file : 25PCBS17116021.013.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 29.82514
%SSR(DCB) : 109% (48-164) Conc.: 31.98742

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	67.78	
3.18	3.20	3.22	861.3521	0.369854			1
3.40	3.41	3.44	2952.822	1.335849			2
3.73	3.74	3.77	2016.939	0.592806			4
3.79	3.80	3.83	4612.125	1.517604			5
3.98	3.99	4.02	685.193	0.31948			6
Height Summation:			11128.4311				
Amount Avg CF:			0.827119	Linear:			
Aroclor-1221					3	141.45	
3.07	3.10	3.11	1026.689	0.905031			1
3.13	3.14	3.17	8678.139	8.333424			2
3.18	3.20	3.22	861.3521	0.270257			3
Height Summation:			10566.1801				
Amount Avg CF:			3.169571	Linear:			
Aroclor-1232					4	73.16	
3.18	3.20	3.22	861.3521	0.302453			1
3.40	3.41	3.44	2952.822	2.795594			2
3.74	3.74	3.78	2016.939	1.183495			4
+ 3.74	3.77	3.78	1608.284	0.943706			4
3.79	3.80	3.83	4612.125	3.252703			5
Height Summation:			10443.2381				
Amount Avg CF:			1.883561	Linear:			
Aroclor-1242					5	69.44	
3.18	3.20	3.22	861.3521	0.435825			1
3.40	3.41	3.44	2952.822	1.610598			2
3.73	3.74	3.77	2016.939	0.711824			4
3.79	3.80	3.83	4612.125	1.898278			5
3.98	3.99	4.02	685.193	0.384064			6
Height Summation:			11128.4311				
Amount Avg CF:			1.008118	Linear:			
Aroclor-1248					4	104.83	
3.79	3.80	3.83	4612.125	2.646514			1
3.98	3.99	4.02	685.193	0.216516			3
4.25	4.27	4.29	527.0811	0.194492			5
4.64	4.66	4.68	3077.253	1.390008			6
Height Summation:			8901.6521				
Amount Avg CF:			1.111883	Linear:			
Aroclor-1254					6	56.56	
4.24	4.27	4.28	527.0811	0.180841			1
4.58	4.60	4.62	3311.701	0.957285			2
4.64	4.66	4.68	3077.253	0.460035			3
4.77	4.79	4.81	2645.805	1.224009			4
4.86	4.87	4.89	2833.862	0.575989			5
5.05	5.07	5.09	4625.518	1.264041			6
Height Summation:			17021.2201				
Amount Avg CF:			0.777033	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 16:36:19
Instrument : CP25--18274B
Result file : 25PCBS17116021B.013.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 103% (61-152) Conc.: 30.00777
%SSR(DCB) : 102% (48-164) Conc.: 29.95572

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	71.19	
2.89	2.91	2.93	4000.73	1.221697			1
3.22	3.24	3.26	9881.567	2.266106			2
3.41	3.45	3.45	2339.291	0.474576			3
3.65	3.66	3.69	1171.885	0.281971			5
+ 3.74	3.76	3.78	1978.958	0.521141			6
3.74	3.78	3.78	7796.238	2.05307			6
Height Summation:			25189.711				
Amount Avg CF:			1.259484	Linear:			
Aroclor-1221					2	113.18	
+ 2.84	2.84	2.88	7775.083	7.409845			2
2.84	2.87	2.88	8541.86	8.140603			2
2.89	2.91	2.93	4000.73	0.902932			3
Height Summation:			12542.59				
Amount Avg CF:			4.521767	Linear:			
Aroclor-1232					5	93.44	
2.89	2.91	2.93	4000.73	0.976902			1
3.22	3.24	3.26	9881.567	4.8022			2
3.41	3.45	3.45	2339.291	1.057603			3
+ 3.65	3.66	3.69	1171.885	0.666159			5
3.65	3.69	3.69	20026.61	11.384141			5
+ 3.75	3.76	3.79	1978.958	1.127042			6
3.75	3.78	3.79	7796.238	4.440056			6
Height Summation:			44044.436				
Amount Avg CF:			4.53218	Linear:			
Aroclor-1242					5	71.45	
2.89	2.91	2.93	4000.73	1.458727			1
3.22	3.24	3.26	9881.567	2.837638			2
3.41	3.45	3.45	2339.291	0.590879			3
3.65	3.66	3.69	1171.885	0.347003			5
+ 3.74	3.76	3.78	1978.958	0.612799			6
3.74	3.78	3.78	7796.238	2.414162			6
Height Summation:			25189.711				
Amount Avg CF:			1.529682	Linear:			
Aroclor-1248					6	79.71	
3.41	3.45	3.45	2339.291	1.186597			1
3.52	3.56	3.56	1105.082	0.219418			2
3.65	3.66	3.69	1171.885	0.194554			3
+ 3.74	3.76	3.78	1978.958	0.430167			4
3.74	3.78	3.78	7796.238	1.694672			4
3.88	3.90	3.92	3176.828	0.343388			5
4.24	4.26	4.28	6544.167	1.493344			6
Height Summation:			22133.491				
Amount Avg CF:			0.855329	Linear:			
Aroclor-1254					5	76.60	
4.24	4.26	4.28	6544.167	0.464108			2
4.33	4.35	4.37	5795.663	0.895229			3
4.40	4.42	4.44	5403.537	0.573132			4
4.47	4.49	4.51	11430.81	2.186562			5
4.62	4.64	4.66	3875.952	0.563577			6
Height Summation:			33050.129				
Amount Avg CF:			0.936522	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/25/17 ACF PBLK04145 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 16:36:19
Instrument : CP25--18274A
Result file : 25PCBS17116021.013.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	40.64	
4.76	4.79	4.80	2645.805	0.546989			1
5.05	5.07	5.09	4625.518	1.650453			2
5.23	5.26	5.27	2491.341	0.75727			3
5.40	5.42	5.44	4044.087	1.128074			4
5.63	5.65	5.67	10747.8	1.105763			5
5.83	5.86	5.87	10206.46	1.719242			6
Height Summation:			**34761.011**				
Amount Avg CF:			**1.151298**	Linear:			
Aroclor-1262					6	36.18	
5.23	5.26	5.27	2491.341	0.424346			1
5.40	5.42	5.44	4044.087	0.799973			2
5.63	5.65	5.67	10747.8	0.824679			3
5.83	5.86	5.87	10206.46	1.276627			4
5.89	5.91	5.93	2202.102	0.600892			5
6.26	6.28	6.30	3832.898	0.810184			6
Height Summation:			**33524.688**				
Amount Avg CF:			**0.78945**	Linear:			
Aroclor-1268					6	151.89	
5.83	5.86	5.87	10206.46	0.722987			1
5.89	5.91	5.93	2202.102	0.171429			2
6.03	6.05	6.07	22841.13	1.914575			3
6.09	6.11	6.13	27991.84	9.019594			4
6.26	6.28	6.30	3832.898	0.757985			5
6.47	6.49	6.51	31402.63	0.756267			6
Height Summation:			**98477.06**				
Amount Avg CF:			**2.223806**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 16:36:19
Instrument : CP25--18274B
Result file : 25PCBS17116021B.013.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	43.59	
4.33	4.35	4.37	5795.663	0.551918			1
4.47	4.49	4.51	11430.81	0.950295			2
4.57	4.59	4.61	6389.632	0.618801			3
4.92	4.94	4.96	7577.382	0.915885			4
5.11	5.13	5.15	29625.16	1.45203			5
5.37	5.39	5.41	20389.24	1.666074			6
Height Summation:			**81207.887**				
Amount Avg CF:			**1.025834**	Linear:			
Aroclor-1262					6	41.32	
4.73	4.75	4.77	5527.106	0.417983			1
4.92	4.94	4.96	7577.382	0.579422			2
5.11	5.13	5.15	29625.16	1.082543			3
5.33	5.35	5.36	5262.577	0.51143			4
5.37	5.39	5.41	20389.24	1.14146			5
5.75	5.77	5.79	10967.69	1.069105			6
Height Summation:			**79349.155**				
Amount Avg CF:			**0.800324**	Linear:			
Aroclor-1268					6	135.16	
5.33	5.35	5.37	5262.577	0.161888			1
5.37	5.39	5.41	20389.24	0.644937			2
5.53	5.55	5.57	50923.81	1.851452			3
5.59	5.61	5.63	46005.02	6.792574			4
5.75	5.77	5.79	10967.69	0.957364			5
5.95	5.97	5.99	62739.31	0.642351			6
Height Summation:			**196287.647**				
Amount Avg CF:			**1.841761**	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		** 41.44	4	40	
Aroclor-1221			51	15.3		35.16	3	5	
Aroclor-1232			51	12.3		** 82.57	4	10	
Aroclor-1242			51	12.3		** 41.10	4	30	
Aroclor-1248			51	9.9		26.08	4	40	
Aroclor-1254			51	13.2		18.61	4	40	
Aroclor-1260			51	11.7		11.53	4	40	
Aroclor-1262			51	9.9		1.37	4	40	
Aroclor-1268			51	9.9		18.79	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 5/25/17 ACF ABPBLK04145 BLK 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 4:36:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.02		3604	4484
2.05		4549	5838
2.095		12002	16250
2.123		2657	1503
2.146		72527	52749
2.199		952	460
2.213		5371	2927
2.241		17842	16465
2.341		23848	21063
2.378		2814	2502
2.407		19752	13509
2.441		754	270
2.458		1210	738
2.474		1641	736
2.503		7572	6574
2.549		816	382
2.578		885	368
2.604		1782	2606
2.666		1952	1754
2.699		1251	1014
2.72		1330	748
2.759		8617	9449
2.796		1043	686
2.811		643	312
2.836		1095	908
2.889		1926	1200
2.917		1004	643
2.946	TCX	4168778	2862551
3.064		817	1068
3.096		1027	959
3.145		8678	7577
3.195		861	664
3.226		1506	1499
3.255		3583	2514
3.278		5213	4995
3.34		1658	3507
3.411		2953	7528
3.463		3361	2671
3.51		1893	2861
3.563		1588	1468
3.591		902	751
3.617		2981	4479
3.657		1625	1333
3.683		2823	1970
3.698		1281	768
3.741		2017	2568
3.773		1608	1551
3.804		4612	4994
3.844		1045	1133
3.921		1656	3011
3.971		473	367
3.986		685	1229
4.058		980	1199
4.119		8296	6165

RT A	Compound A	Height A	Area A
4.197		17293	16935
4.271		527	420
4.304		4735	6076
4.371		1085	1624
4.41		659	949
4.43		2276	1577
4.486		1456	1337
4.528		704	709
4.55		700	791
4.603		3312	4127
4.663		3077	3556
4.71		615	473
4.744		1069	1107
4.789		2646	2453
4.839		455	410
4.874		2834	3149
4.908		3868	5797
4.985		4629	6219
5.033		2121	2172
5.071		4626	6272
5.149		6394	6223
5.189		8399	8202
5.258		2491	2398
5.297		2151	2209
5.344		396	320
5.395		1772	1269
5.417		4044	3699
5.446		716	477
5.478		76335	89271
5.552		5580	5631
5.597		2115	2526
5.651		10748	8888
5.675		7538	5778
5.728		529	462
5.754		1469	968
5.786		700	470
5.855		10206	10134
5.884		700	401
5.912		2202	2694
5.97		481	674
6.021		386	899
6.047		22841	22683
6.11		27992	39912
6.256		419	1970
6.283		3833	3713
6.314		1968	2456
6.389		535	1657
6.418		1283	1649
6.486		31403	35501
6.574		264	382
6.636	DCB	3188614	3182423
6.731		658	279
6.777		2186	3129
6.836		1757	1961
6.916		5161	13483

LANCASTER LABORATORIES

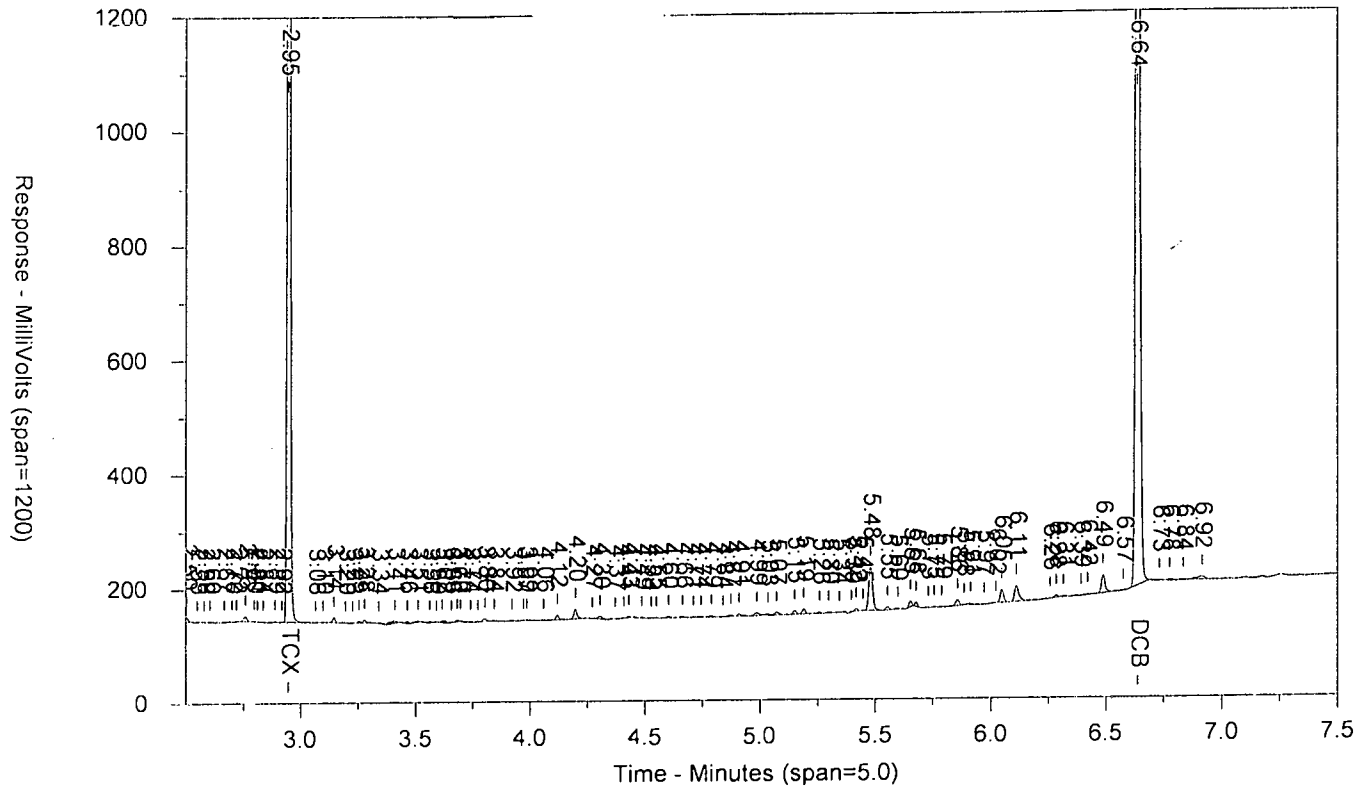
Sample Number: BLANKA 5/25/17 ACF ABPBLK04145 BLK 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 4:36:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.056		7975	6411
2.1		5194	2585
2.117		19901	11496
2.143		1558	893
2.218		1354	2995
2.237		3382	3062
2.288		1293	1028
2.318		2027	1778
2.402		1634	1522
2.438		5712	3366
2.465		6530	4038
2.575		1958	2072
2.62	TCX	5714312	3557277
2.713		6491	9282
2.771		8238	26440
2.821		12628	14639
2.843		7775	3539
2.867		8542	8873
2.906		4001	6158
2.929		9992	5551
2.955		13773	13838
3.001		7248	11480
3.048		3436	2524
3.065		2517	1402
3.088		4167	6264
3.124		12058	11548
3.149		11290	11183
3.179		3542	2617
3.198		5785	5005
3.242		9882	17735
3.27		3648	1756
3.289		5645	6754
3.335		4739	3815
3.369		5011	3986
3.393		4683	3518
3.41		2445	2215
3.447		2339	2938
3.556		1105	1868
3.574		2520	2300
3.608		8030	6221
3.632		1631	963
3.658		1172	737
3.693		20027	14384
3.76		1979	6344
3.778		7796	7187
3.844		2607	5077
3.895		3177	5892
3.962		33815	27197
3.996		2265	1144
4.011		2195	997
4.028		6208	4323
4.096		8209	9664
4.17		4286	5661
4.231		3153	4222

RT B	Compound B	Height B	Area B
4.256		6544	7299
4.351		5796	5274
4.394		1118	1047
4.421		5404	3725
4.461		8732	8010
4.488		11431	9208
4.545		4224	5873
4.588		6390	5452
4.638		3876	3041
4.678		10521	13343
4.717		22037	21782
4.751		5527	4925
4.788		6216	7545
4.864		222476	225353
4.937		7577	5992
4.962		3978	2403
5.011		6012	6403
5.047		2996	2293
5.081		10951	8923
5.131		29625	28546
5.203		22491	18742
5.324		1118	820
5.347		5263	3479
5.389		20389	22396
5.447		1342	1131
5.545		50924	48037
5.614		46005	45024
5.663		12657	9754
5.69		15442	13736
5.769		10968	8793
5.861		875	1192
5.883		2120	2491
5.969		62739	54962
6.001		3671	2665
6.081		739	477
6.128	DCB	7061484	6620672
6.615		1587	1750
6.821		2366	7777
6.943		1438	1762

BLANKA 5/25/17 ACF ABPBLK04145 BLK 171450004A 10225 SW-846 80

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116021.013.RAW



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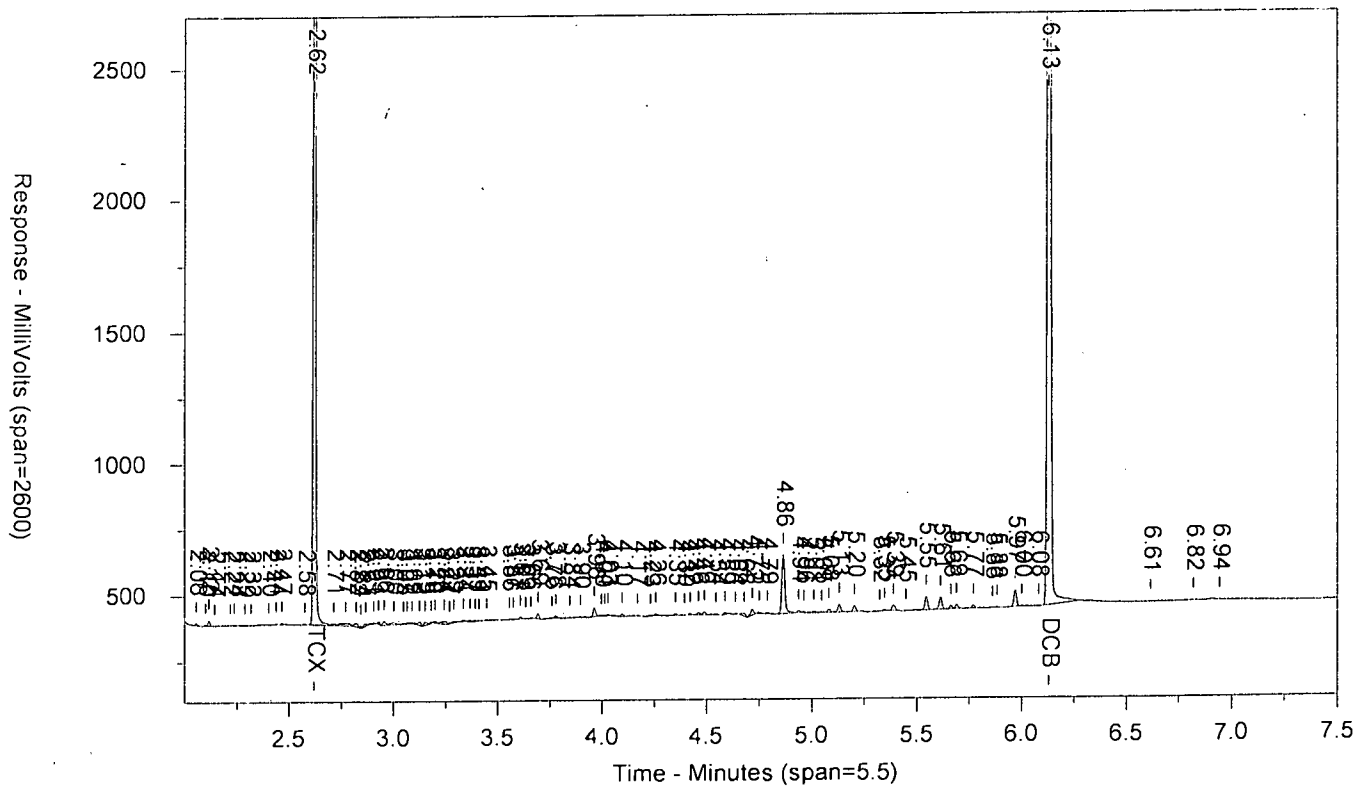

LANCASTER LABORATORIES

Sample Number: BLANKA 5/25/17 ACF ABPBLK04145 BLK 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 4:36:19 PM
Sample Weight: 10
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.946	4168778	29.825	TCX	2.62	5714312	30.008	TCX
6.636	3188614	31.987	DCB	6.128	7061484	29.956	DCB

Files:
Area File: 25pcbs17116021.013.RAW
Area File: 25pcbs17116021B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 4:44:52 PM
File Reported On: 5/26/2017 at 4:45:03 PM

BLANKA 5/25/17 ACF ABPBLK04145 BLK 171450004A 10225 SW-846 80

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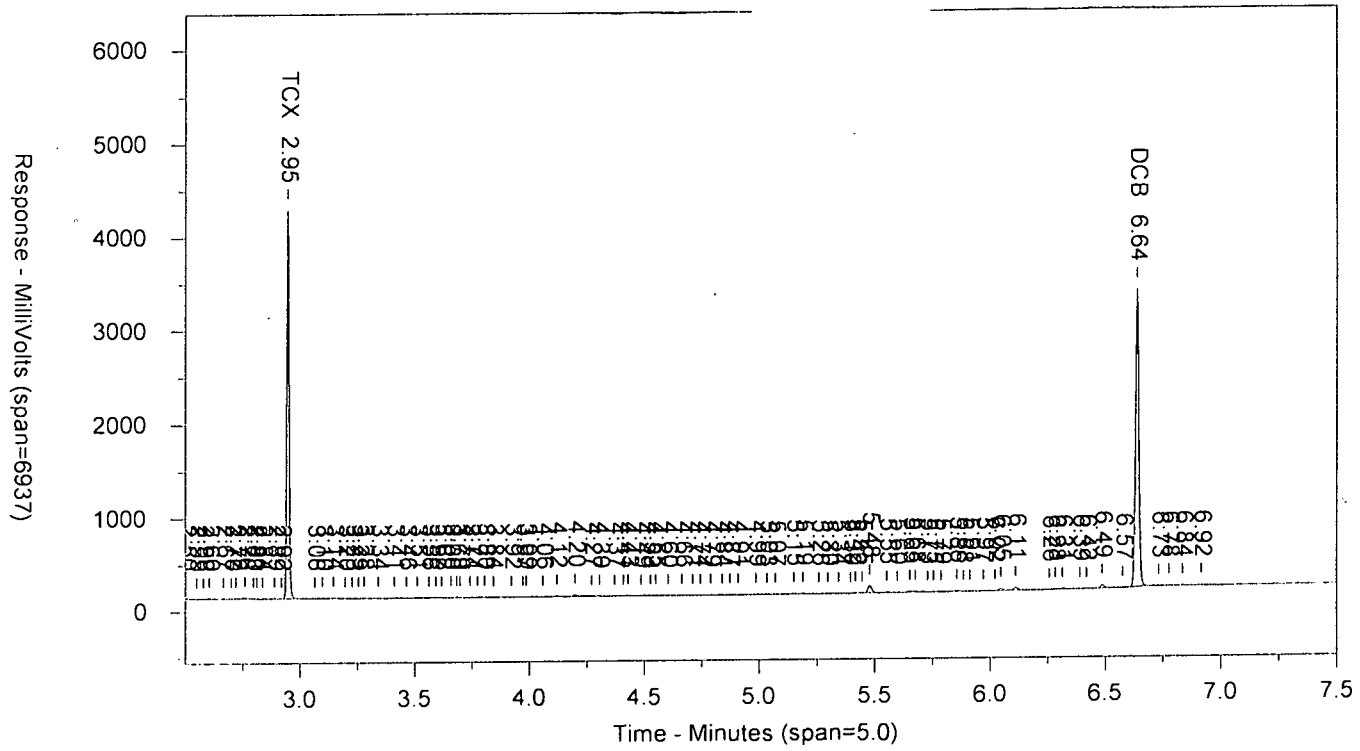

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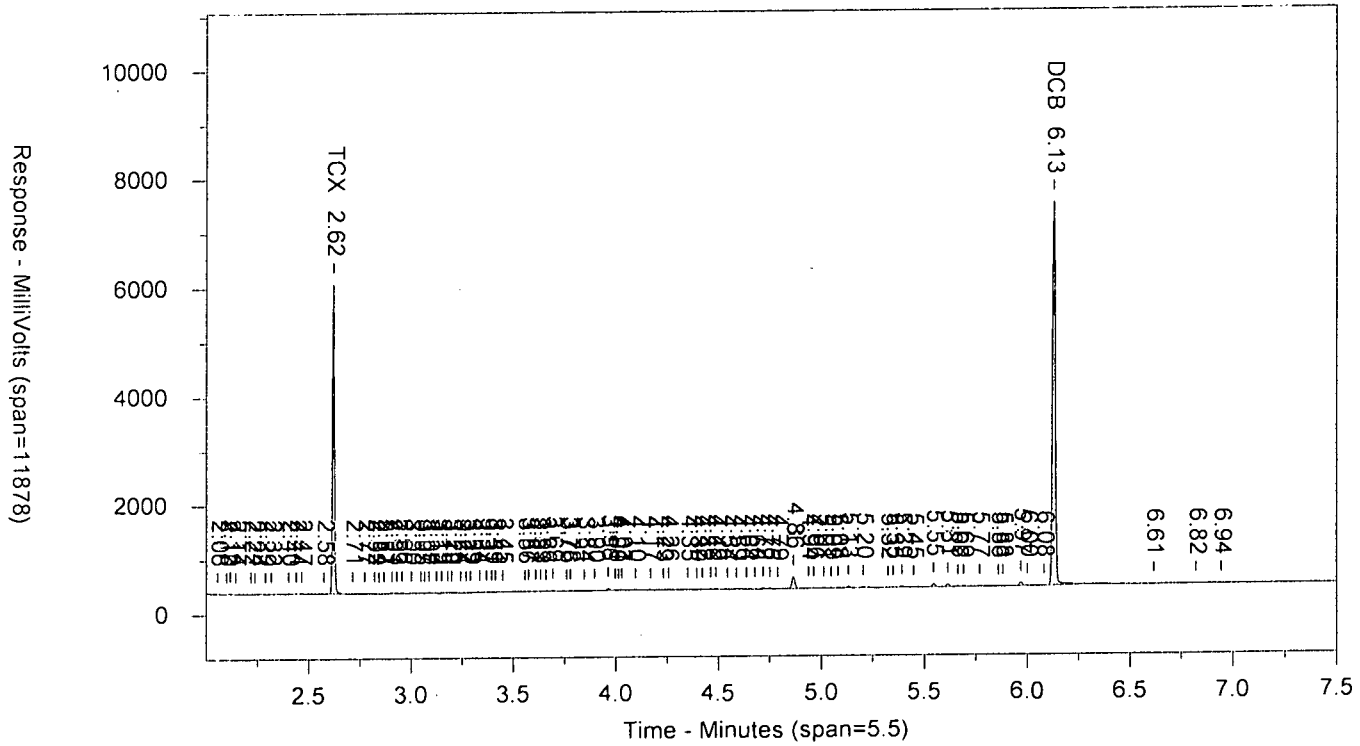

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Data Summary

Sample Name: 9004819 MSACF DF5 A5319 MS Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.06 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 21:42:11
Instrument	18274A
Result file	25PCBS17116021.040.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 95% (61 - 152) Conc: 27.55693
%SSR(DCB) 104% (48 - 164) Conc: 30.28332

Analysis Report (B)

Injected on	May 26, 2017 21:42:11
Instrument	18274B
Result file	25PCBS17116021B.040.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 101% (61 - 152) Conc: 29.49653
%SSR(DCB) 110% (48 - 164) Conc: 31.95762

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	774971	27.55693
Decachlorobiphenyl	6.61	6.63	6.67	607371	30.28332

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1130132	29.49653
Decachlorobiphenyl	6.10	6.13	6.16	1515719	31.95762

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	29.49653				6.80	
☐ Decachlorobiphenyl	B	31.95762				5.38	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.50**	
3.18	3.20	3.22	223076.3	476.074366			1
3.40	3.42	3.44	224042.5	503.758588			2
3.51	3.53	3.55	277278.9	492.135821			3
3.73	3.75	3.77	333671	487.427786			4
3.79	3.81	3.83	292008.7	477.557107			5
3.98	4.00	4.02	225095.3	521.638527			6
Height summation:			**1575172.7**				
Concentration		CF:	**493.098699**	L:			
Aroclor-1260						**13.88**	
4.76	4.79	4.80	757296.9	778.141795			1
5.05	5.07	5.09	628545.9	1114.683778			2
5.23	5.25	5.27	548173.6	828.147395			3
5.40	5.41	5.44	575429.8	797.776812			4
5.63	5.65	5.67	1731983	885.641872			5
5.83	5.85	5.87	1079988	904.17588			6
Height summation:			**5321417.2**				
Concentration		CF:	**884.761255**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.51**	
2.89	2.90	2.93	339203.2	514.82096			1
3.22	3.24	3.26	467282.7	532.606184			2
3.41	3.43	3.45	522307.7	526.647818			3
3.49	3.51	3.53	536528.6	520.002648			4
3.65	3.67	3.69	491916.7	588.277619			5
3.74	3.76	3.78	435330.2	569.782945			6
Height summation:			**2792569.1**				
Concentration		CF:	**542.023029**	L:			
Aroclor-1260						**10.67**	
4.33	4.35	4.37	1902784	900.601945			1
4.47	4.48	4.51	2549984	1053.637087			2
4.57	4.59	4.61	1822592	877.277198			3
4.92	4.94	4.96	1411717	848.088744			4
5.11	5.13	5.15	4037656	983.594596			5
5.37	5.39	5.41	2714790	1102.558291			6
Height summation:			**14439523**				
Concentration		CF:	**960.959644**	L:			

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Data Summary

Sample Name: 9004819 MSACF DF5 A5319 MS Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.06 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 21:42:11
Instrument	18274A
Result file	25PCBS17116021.040.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

Analysis Report (B)

Injected on	May 26, 2017 21:42:11
Instrument	18274B
Result file	25PCBS17116021B.040.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	542.023029	253.4791	49.2048		9.45	4	
☐ PCB-1221			<253.4791	<76.0437			3	
☐ PCB-1232			<253.4791	<61.1332			4	
☐ PCB-1242			<253.4791	<61.1332			4	
☐ PCB-1248			<253.4791	<49.2048			4	
☐ PCB-1254			<253.4791	<65.6064			4	
☐ PCB-1260	B	960.959644	253.4791	58.1511		8.26	4	
☐ PCB-1262			<253.4791	<49.2048			4	
☐ PCB-1268			<253.4791	<49.2048			4	
☐ Total PCBs	A	1502.982673	253.4791	49.2048				

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004819** MSACF DF5 A5319 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.06 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 21:42:11
Instrument : CP25--18274A
Result file : 25PCBS17116021.040.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 95% (61-152) Conc.: 27.55693
%SSR(DCB) : 104% (48-164) Conc.: 30.28332

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.50	
3.18	3.20	3.22	223076.3	476.074366			1
3.40	3.42	3.44	224042.5	503.758588			2
+ 3.40	3.43	3.44	102246.2	229.900136			2
3.51	3.53	3.55	277278.9	492.135821			3
3.73	3.75	3.77	333671	487.427786			4
3.79	3.81	3.83	292008.7	477.557107			5
3.98	4.00	4.02	225095.3	521.638527			6
Height Summation:			1575172.7				
Amount Avg CF:			493.098699	Linear:			
Aroclor-1221					3	38.80	
3.07	3.09	3.11	35977.5	157.62595			1
3.13	3.15	3.17	49120.59	234.440409			2
3.18	3.20	3.22	223076.3	347.87365			3
Height Summation:			308174.39				
Amount Avg CF:			246.64667	Linear:			
Aroclor-1232					6	30.03	
3.18	3.20	3.22	223076.3	389.315812			1
E 3.40	3.42	3.44	224042.5	1054.239535			2
+ 3.40	3.43	3.44	102246.2	481.12294			2
3.52	3.53	3.56	277278.9	991.695662			3
3.74	3.75	3.78	333671	973.115151			4
E 3.79	3.81	3.83	292008.7	1023.554865			5
E 3.99	4.00	4.03	225095.3	1206.833915			6
+ 3.99	4.03	4.03	77598.01	416.03672			6
Height Summation:			1575172.7				
Amount Avg CF:			939.79249	Linear:			
Aroclor-1242					6	3.74	
3.18	3.20	3.22	223076.3	560.991973			1
3.40	3.42	3.44	224042.5	607.36859			2
+ 3.40	3.43	3.44	102246.2	277.184598			2
3.51	3.53	3.55	277278.9	589.430925			3
3.73	3.75	3.77	333671	585.289018			4
3.79	3.81	3.83	292008.7	597.34672			5
3.98	4.00	4.02	225095.3	627.089187			6
Height Summation:			1575172.7				
Amount Avg CF:			594.586069	Linear:			
Aroclor-1248					6	50.78	
3.79	3.81	3.83	292008.7	832.800296			1
3.86	3.88	3.90	221205.1	401.757494			2
3.98	4.00	4.02	225095.3	353.521552			3
4.07	4.09	4.11	238684.6	435.625472			4
4.25	4.25	4.29	292774.8	536.94596			5
+ 4.25	4.27	4.29	63408.38	116.290314			5
4.64	4.66	4.68	516305	1159.131032			6
Height Summation:			1786073.5				
Amount Avg CF:			619.963634	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 21:42:11
Instrument : CP25--18274B
Result file : 25PCBS17116021B.040.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 101% (61-152) Conc.: 29.49653
%SSR(DCB) : 110% (48-164) Conc.: 31.95762

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	5.51	
2.89	2.90	2.93	339203.2	514.82096			1
3.22	3.24	3.26	467282.7	532.606184			2
3.41	3.43	3.45	522307.7	526.647818			3
3.49	3.51	3.53	536528.6	520.002648			4
3.65	3.67	3.69	491916.7	588.277619			5
+ 3.74	3.74	3.78	111220.7	145.571472			6
3.74	3.76	3.78	435330.2	569.782945			6
Height Summation:			2792569.1				
Amount Avg CF:			542.023029	Linear:			
Aroclor-1221					3	35.29	
2.77	2.79	2.81	65286.39	190.966116			1
2.84	2.85	2.88	83219.69	394.18694			2
2.89	2.90	2.93	339203.2	380.49378			3
Height Summation:			487709.28				
Amount Avg CF:			321.882279	Linear:			
Aroclor-1232					6	31.54	
2.89	2.90	2.93	339203.2	411.664763			1
E 3.22	3.24	3.26	467282.7	1128.667741			2
E 3.41	3.43	3.45	522307.7	1173.64571			3
E 3.49	3.51	3.53	536528.6	1167.392905			4
E 3.65	3.67	3.69	491916.7	1389.81309			5
+ 3.65	3.69	3.69	214119.3	604.951623			5
E 3.75	3.76	3.79	435330.2	1232.236795			6
Height Summation:			2792569.1				
Amount Avg CF:			1083.903501	Linear:			
Aroclor-1242					6	5.27	
2.89	2.90	2.93	339203.2	614.704789			1
3.22	3.24	3.26	467282.7	666.933945			2
3.41	3.43	3.45	522307.7	655.711925			3
3.49	3.51	3.53	536528.6	660.173875			4
3.65	3.67	3.69	491916.7	723.955398			5
+ 3.74	3.74	3.78	111220.7	171.174427			6
3.74	3.76	3.78	435330.2	669.995762			6
Height Summation:			2792569.1				
Amount Avg CF:			665.245949	Linear:			
Aroclor-1248					6	58.75	
3.41	3.43	3.45	522307.7	1316.793047			1
3.52	3.54	3.56	430086.5	424.429064			2
3.65	3.67	3.69	491916.7	405.898893			3
3.74	3.76	3.78	435330.2	470.317674			4
3.88	3.89	3.92	838630.8	450.541486			5
4.24	4.26	4.28	1000174	1134.365638			6
Height Summation:			3718445.9				
Amount Avg CF:			700.390967	Linear:			
Aroclor-1254					6	92.28	
4.18	4.20	4.22	443536.7	287.027339			1
4.24	4.26	4.28	1000174	352.543051			2
4.33	4.35	4.37	1902784	1460.80527			3
4.40	4.42	4.44	858817.6	452.740921			4
+ 4.40	4.44	4.44	448988	236.691983			4
4.47	4.48	4.51	2549984	2424.344665			5
4.62	4.64	4.66	774625.6	559.807621			6
Height Summation:			7529921.9				
Amount Avg CF:			922.878145	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004819** MSACF DF5 A5319 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.06 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 21:42:11
Instrument : CP25--18274A
Result file : 25PCBS17116021.040.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	80.41	
4.24	4.25	4.28	292774.8	499.25787			1
+ 4.24	4.27	4.28	63408.38	108.127929			1
4.58	4.60	4.62	142282.8	204.415788			2
+ 4.58	4.61	4.62	48373.05	69.496911			2
4.64	4.66	4.68	516305	383.624141			3
4.77	4.79	4.81	757296.9	1741.265631			4
4.86	4.87	4.89	463573.2	468.301963			5
5.05	5.07	5.09	628545.9	853.709119			6
Height Summation:			**2800778.6**				
Amount Avg CF:			**691.762419**	Linear:			
Aroclor-1260					6	13.88	
4.76	4.79	4.80	757296.9	778.141795			1
5.05	5.07	5.09	628545.9	1114.683778			2
5.23	5.25	5.27	548173.6	828.147395			3
5.40	5.41	5.44	575429.8	797.776812			4
5.63	5.65	5.67	1731983	885.641872			5
5.83	5.85	5.87	1079988	904.17588			6
Height Summation:			**5321417.2**				
Amount Avg CF:			**884.761255**	Linear:			
Aroclor-1262					6	26.74	
5.23	5.25	5.27	548173.6	464.062933			1
5.40	5.41	5.44	575429.8	565.743084			2
5.63	5.65	5.67	1731983	660.512606			3
5.83	5.85	5.87	1079988	671.397608			4
5.89	5.91	5.93	222062.1	301.165719			5
6.26	6.28	6.30	451804.4	474.656072			6
Height Summation:			**4609440.9**				
Amount Avg CF:			**522.923004**	Linear:			
Aroclor-1268					6	94.06	
5.83	5.85	5.87	1079988	380.229881			1
5.89	5.91	5.93	222062.1	85.919885			2
6.03	6.04	6.07	19383.72	8.075399			3
+ 6.09	6.10	6.13	27801.34	44.523912			4
6.09	6.12	6.13	186471.9	298.635189			4
6.26	6.28	6.30	451804.4	444.074249			5
6.47	6.48	6.51	115546	13.830436			6
Height Summation:			**2075256.12**				
Amount Avg CF:			**205.127506**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 21:42:11
Instrument : CP25--18274B
Result file : 25PCBS17116021B.040.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	10.67	
4.33	4.35	4.37	1902784	900.601945			1
4.47	4.48	4.51	2549984	1053.637087			2
4.57	4.59	4.61	1822592	877.277198			3
4.92	4.94	4.96	1411717	848.088744			4
5.11	5.13	5.15	4037656	983.594596			5
5.37	5.39	5.41	2714790	1102.558291			6
Height Summation:			**14439523**				
Amount Avg CF:			**960.959643**	Linear:			
Aroclor-1262					6	32.47	
4.73	4.75	4.77	1000878	376.195915			1
4.92	4.94	4.96	1411717	536.532169			2
5.11	5.13	5.15	4037656	733.307235			3
5.33	5.34	5.36	681956.4	329.394711			4
5.37	5.39	5.41	2714790	755.38431			5
5.75	5.77	5.79	1082335	524.371487			6
Height Summation:			**10929332.4**				
Amount Avg CF:			**542.530971**	Linear:			
Aroclor-1268					6	123.69	
5.33	5.34	5.37	681956.4	104.266811			1
5.37	5.39	5.41	2714790	426.799896			2
5.53	5.54	5.57	50219.96	9.07486			3
5.59	5.61	5.63	29059.19	21.324785			4
5.75	5.77	5.79	1082335	469.564699			5
5.95	5.97	5.99	279955.3	14.24602			6
Height Summation:			**4838315.85**				
Amount Avg CF:			**174.212845**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			253.4791	49.2048		9.45	4	40	
Aroclor-1221			253.4791	76.0437		26.47	3	5	
Aroclor-1232			253.4791	61.1332	E	14.24	4	10	
Aroclor-1242			253.4791	61.1332		11.22	4	30	
Aroclor-1248			253.4791	49.2048		12.18	4	40	
Aroclor-1254			253.4791	65.6064		28.63	4	40	
Aroclor-1260			253.4791	58.1511		8.26	4	40	
Aroclor-1262			253.4791	49.2048		3.68	4	40	
Aroclor-1268			253.4791	49.2048		16.30	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004819MSACF DF5 ACA5319 MS 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:42:11 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.040.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.017		932	809
2.045		11030	14633
2.088		6514	7844
2.127		796	299
2.145		22257	16337
2.212		26471	19036
2.238		2538	2013
2.289		1054	1123
2.339		26440	19665
2.374		2303	1911
2.404		3319	2692
2.504		6662	8237
2.548		1572	1264
2.578		2851	1907
2.601		1365	864
2.664		16140	12391
2.699		830	715
2.72		698	571
2.757		3245	4311
2.79		11663	11022
2.886		1480	1181
2.913		3832	2891
2.944	TCX	774971	550200
3.027		545	244
3.053		2624	2261
3.093		35978	31656
3.15		49121	37006
3.197		223076	166785
3.252		27529	19629
3.267		5814	2190
3.292		27172	19979
3.333		1149	1055
3.415		224043	137534
3.432		102246	55915
3.47		27064	16243
3.486		1924	669
3.497		15491	8685
3.531		277279	218341
3.569		1126	536
3.608		9631	6893
3.643		61048	36731
3.657		28681	14602
3.701		108598	68070
3.712		260014	139923
3.749		333671	265916
3.807		292009	231152
3.848		22827	16677
3.878		221205	171325
3.906		136348	111647
3.927		52359	30954
3.964		1658	1468
4.003		225095	171587
4.026		77598	51319
4.058		91665	65600

RT A	Compound A	Height A	Area A
4.092		238685	232542
4.132		72953	62432
4.18		5541	3540
4.194		6296	3817
4.218		16775	12056
4.253		292775	208442
4.271		63408	34579
4.295		134449	112516
4.367		76302	65286
4.41		441140	469239
4.443		122458	100450
4.484		8368	5841
4.506		13792	10447
4.548		105920	100139
4.598		142283	104549
4.615		48373	61783
4.659		516305	464309
4.709		301969	323555
4.744		88870	65592
4.785		757297	765040
4.831		46912	40427
4.871		463573	449418
4.903		8620	5224
4.931		181286	181565
4.983		1099552	1405744
5.034		166990	149688
5.072		628546	729799
5.116		26137	16005
5.153		108379	134407
5.186		1532734	1683741
5.254		548174	513693
5.296		377600	379171
5.39		227630	185926
5.415		575430	500603
5.471		338766	319606
5.508		202246	206273
5.552		29044	30274
5.59		277928	340172
5.649		1731983	1857477
5.747		2794	4716
5.799		611	468
5.852		1079989	1032252
5.883		73037	45472
5.909		222062	248412
6.017		3645	4145
6.045		19384	17912
6.095		27801	22525
6.124		186472	180331
6.184		662	504
6.243		586	1226
6.279		451804	475070
6.324		33705	31779
6.365		1920	1968
6.413		1013	1459
6.453		857	585
6.483		115546	126757
6.574		6284	7468
6.633	DCB	607371	678946
6.692		904	563
6.737		843	591
6.785		1820	3054
6.829		2873	5092
6.893		891	1427
6.912		2962	4213
6.96		853	609

LANCASTER LABORATORIES

Sample Number: 9004819MSACF DF5 ACA5319 MS 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:42:11 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.040.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.053		1714	3070
2.116		5160	6180
2.16		3987	5528
2.211		2874	4186
2.233		2919	3600
2.304		2543	3204
2.367		22499	17800
2.417		1618	958
2.466		2430	2001
2.538		2169	1243
2.552		19776	12479
2.594		2187	1129
2.619	TCX	1130132	686358
2.663		31294	24733
2.709		3718	6491
2.791		65286	42210
2.853		83220	54497
2.905		339203	209259
2.929		49253	25036
3.017		51553	37290
3.114		471045	468217
3.166		59679	37742
3.187		24816	14557
3.213		44031	24256
3.237		467283	317298
3.274		20141	14209
3.321		127088	67118
3.336		86224	43871
3.365		4275	2466
3.397		972211	978459
3.431		522308	412644
3.506		536529	345955
3.541		430087	272975
3.565		433238	238987
3.583		168987	88678
3.67		491917	326387
3.692		214119	119647
3.714		173256	107360
3.743		111221	56512
3.76		435330	266788
3.801		159612	115490
3.849		24054	22381
3.871		157646	95560
3.894		838631	560052
3.919		232750	137587
3.939		60790	31184
3.959		163554	107399
3.993		938165	647360
4.026		322374	390841
4.104		39461	33509
4.139		219631	175497
4.196		443537	335624
4.237		176672	171810
4.256		1000174	1097118

RT B	Compound B	Height B	Area B
4.296		314693	323095
4.348		1902784	1520347
4.385		100869	83732
4.418		858818	600179
4.442		448988	312753
4.485		2549984	1970904
4.54		3202	2372
4.587		1822592	1794507
4.636		774626	665782
4.678		579320	490571
4.715		3140216	2593230
4.747		1000878	712860
4.786		842433	652747
4.861		38539	29213
4.885		251126	284287
4.936		1411717	1110521
4.96		420091	286650
5.01		781039	722534
5.045		447286	353635
5.075		297267	238963
5.107		254152	151663
5.129		4037656	3221383
5.171		93815	72381
5.202		119191	97407
5.243		3000	1761
5.32		38665	24301
5.344		681956	582755
5.388		2714790	2866441
5.488		2890	3632
5.543		50220	44246
5.588		93939	71411
5.611		29059	19227
5.66		452303	381636
5.767		1082335	898652
5.799		69672	53264
5.966		279955	238402
6.062		1277	1529
6.126	DCB	1515719	1353175
6.302		3003	2552
6.331		7699	6822
6.431		1159	1383
6.556		1822	1644
6.608		2817	4313
6.654		2334	2352
6.907		2998	3882
6.939		1780	1762
6.984		1614	1583

9004819MSACF DF5 ACA5319 MS 171450004A 10225 SW-846 8082

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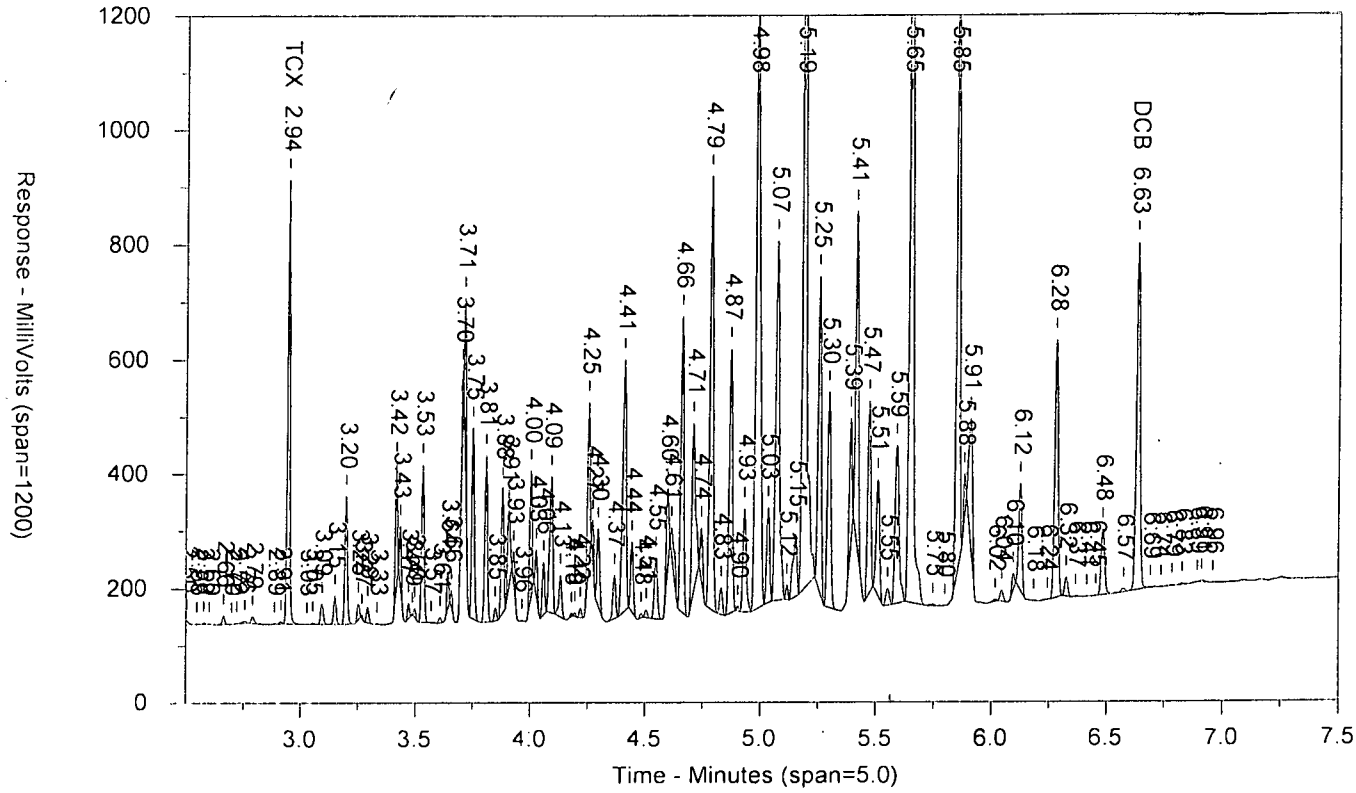

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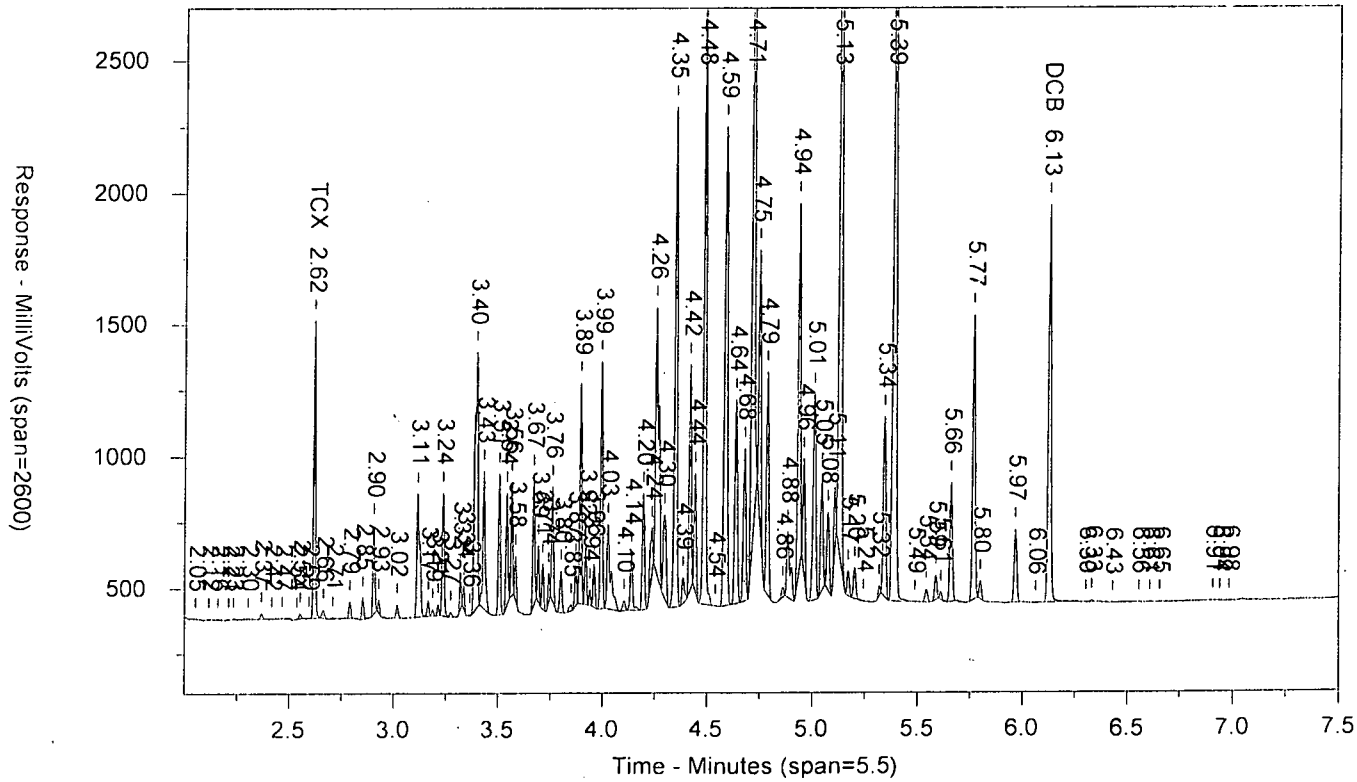

LANCASTER LABORATORIES

Sample Number: 9004819MSACF DF5 ACA5319 MS 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:42:11 PM Sample Weight: 10.06
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	774971	27.557	TCX	2.619	1130132	29.497	TCX
6.633	607371	30.283	DCB	6.126	1515719	31.958	DCB

Files:
Area File: 25pcbs17116021.040.RAW
Area File: 25pcbs17116021B.040.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 9:50:43 PM
File Reported On: 5/26/2017 at 9:50:52 PM

9004819MSACF DF5 ACA5319 MS 171450004A 10225 SW-846 8082

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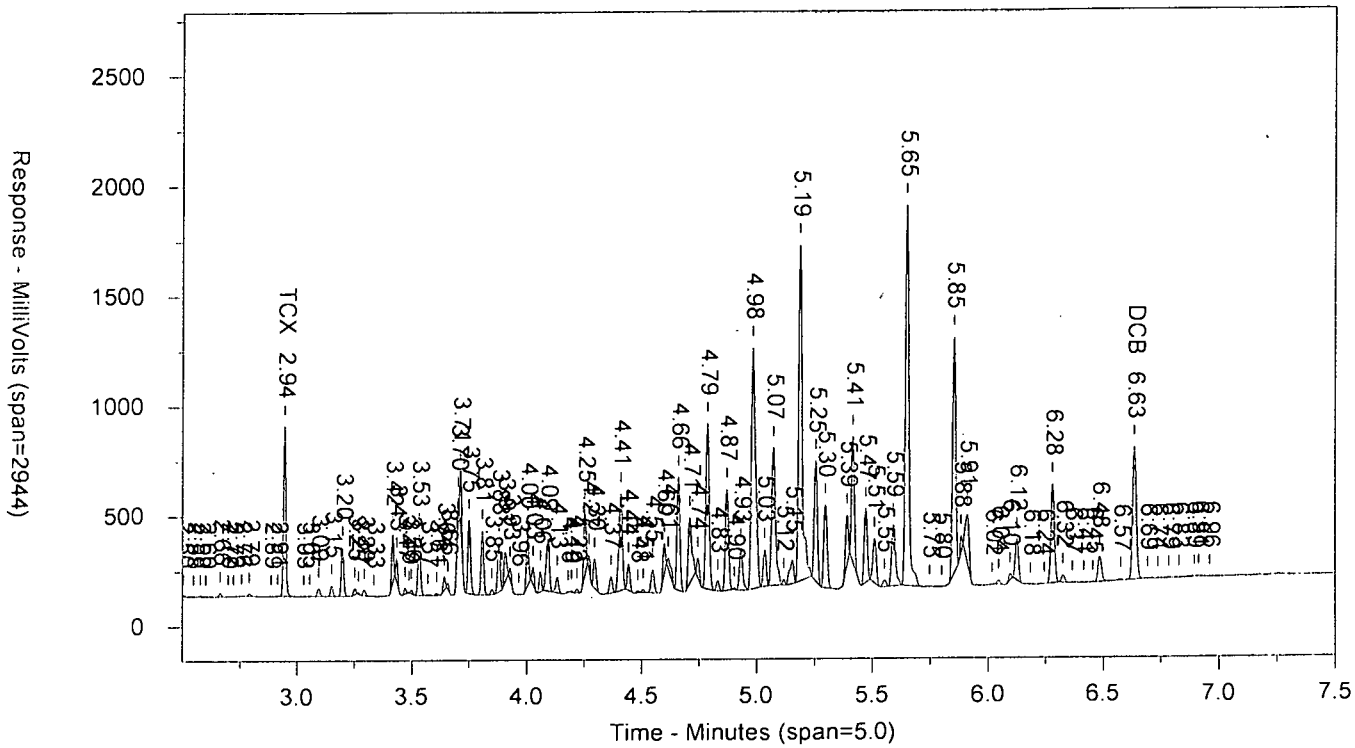

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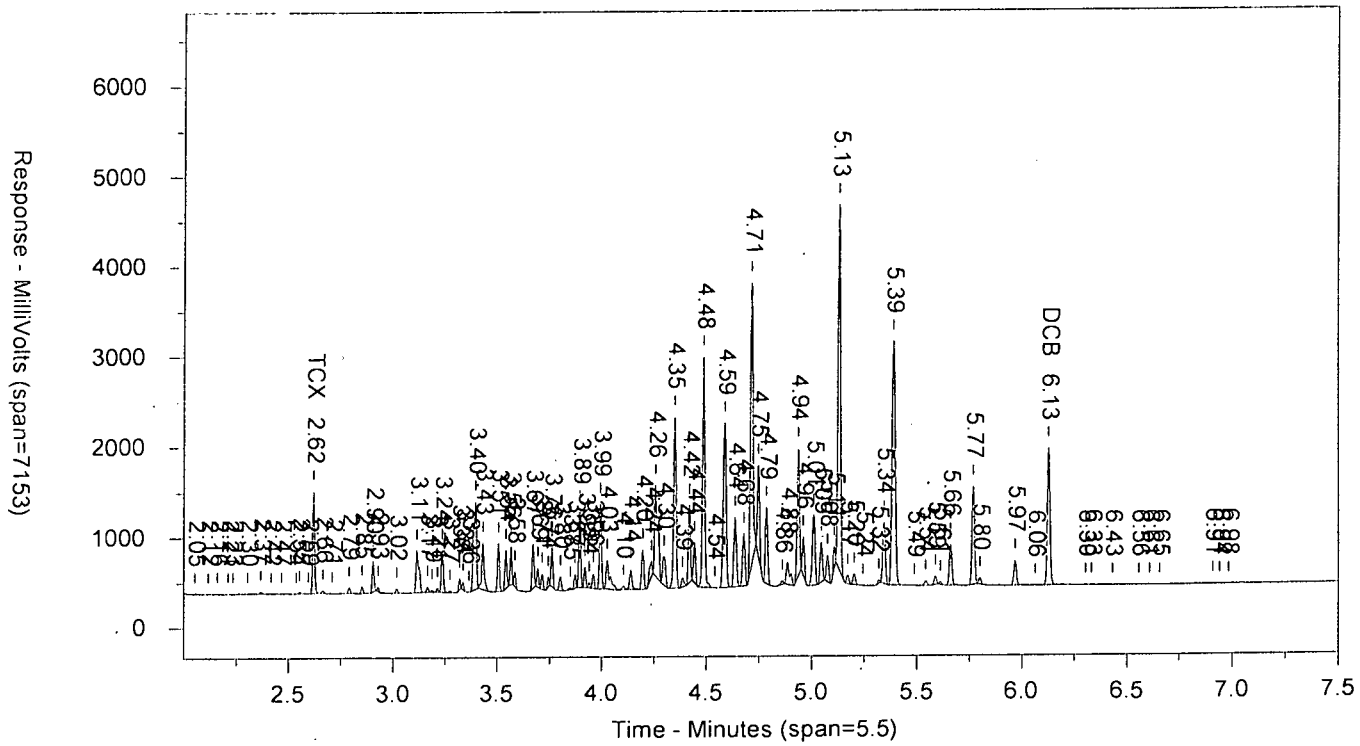

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Data Summary

Sample Name: 9004820 MSDACF DF5 A5319 MSD Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.11 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 21:53:28
Instrument	18274A
Result file	25PCBS17116021.041.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 92% (61 - 152) Conc: 26.6099
%SSR(DCB) 106% (48 - 164) Conc: 30.62666

Analysis Report (B)

Injected on	May 26, 2017 21:53:28
Instrument	18274B
Result file	25PCBS17116021B.041.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 95% (61 - 152) Conc: 27.57915
%SSR(DCB) 107% (48 - 164) Conc: 31.09853

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	752057	26.6099
Decachlorobiphenyl	6.61	6.63	6.67	617310	30.62666

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1061921	27.57915
Decachlorobiphenyl	6.10	6.13	6.16	1482304	31.09853

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	27.57915				3.58	
☐ Decachlorobiphenyl	B	31.09853				1.53	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.85**	
3.18	3.20	3.22	216046.2	458.790929			1
3.40	3.41	3.44	210193.6	470.282011			2
3.51	3.53	3.55	264331.3	466.835175			3
3.73	3.75	3.77	318812.9	463.419742			4
3.79	3.81	3.83	287450.9	467.778245			5
3.98	4.00	4.02	225905.5	520.926994			6
Height summation:			**1522740.4**				
Concentration		CF:	**474.672183**	L:			
Aroclor-1260						**14.00**	
4.76	4.78	4.80	742504.9	759.169432			1
5.05	5.07	5.09	615220.5	1085.656175			2
5.23	5.25	5.27	523951.6	787.639559			3
5.40	5.41	5.44	568218.3	783.882739			4
5.63	5.65	5.67	1739123	884.894794			5
5.83	5.85	5.87	1046499	871.805552			6
Height summation:			**5235517.3**				
Concentration		CF:	**862.174709**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.26**	
2.89	2.90	2.93	327343.7	494.364289			1
3.22	3.24	3.26	443370.5	502.851929			2
3.41	3.43	3.45	500061.7	501.72331			3
3.49	3.50	3.53	514855.3	496.529082			4
3.65	3.67	3.69	479978.9	571.162559			5
3.74	3.76	3.78	421484.4	548.932544			6
Height summation:			**2687094.5**				
Concentration		CF:	**519.260619**	L:			
Aroclor-1260						**9.93**	
4.33	4.35	4.37	1876264	883.657892			1
4.47	4.48	4.51	2464422	1013.247394			2
4.57	4.59	4.61	1765872	845.772241			3
4.92	4.94	4.96	1417010	847.058481			4
5.11	5.13	5.15	3950420	957.584076			5
5.37	5.39	5.41	2648141	1070.171175			6
Height summation:			**14122129**				
Concentration		CF:	**936.248543**	L:			

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Data Summary

Sample Name: 9004820 MSDACF DF5 A5319 MSD Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.11 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 21:53:28
Instrument	18274A
Result file	25PCBS17116021.041.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

Analysis Report (B)

Injected on	May 26, 2017 21:53:28
Instrument	18274B
Result file	25PCBS17116021B.041.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	519.260619	252.2255	48.9614		8.97	4	
☐ PCB-1221			<252.2255	<75.6677			3	
☐ PCB-1232			<252.2255	<60.8309			4	
☐ PCB-1242			<252.2255	<60.8309			4	
☐ PCB-1248			<252.2255	<48.9614			4	
☐ PCB-1254			<252.2255	<65.2819			4	
☐ PCB-1260	B	936.248543	252.2255	57.8635		8.24	4	
☐ PCB-1262			<252.2255	<48.9614			4	
☐ PCB-1268			<252.2255	<48.9614			4	
☐ Total PCBs	A	1455.509162	252.2255	48.9614				

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004820** MSDACF DF5 A5319 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.11 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 21:53:28
Instrument : CP25--18274A
Result file : 25PCBS17116021.041.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 92% (61-152) Conc.: 26.6099
%SSR(DCB) : 106% (48-164) Conc.: 30.62666

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	4.85	
3.18	3.20	3.22	216046.2	458.790929			1
3.40	3.41	3.44	210193.6	470.282011			2
+ 3.40	3.43	3.44	96294.92	215.447895			2
3.51	3.53	3.55	264331.3	466.835175			3
3.73	3.75	3.77	318812.9	463.419742			4
3.79	3.81	3.83	287450.9	467.778245			5
3.98	4.00	4.02	225905.5	520.926994			6
Height Summation:			1522740.4				
Amount Avg CF:			474.672182	Linear:			
Aroclor-1221					3	39.76	
3.07	3.09	3.11	33740.54	147.094214			1
3.13	3.15	3.17	48282.82	229.302267			2
3.18	3.20	3.22	216046.2	335.244421			3
Height Summation:			298069.56				
Amount Avg CF:			237.213634	Linear:			
Aroclor-1232					6	30.78	
3.18	3.20	3.22	216046.2	375.182064			1
3.40	3.41	3.44	210193.6	984.181511			2
+ 3.40	3.43	3.44	96294.92	450.878047			2
3.52	3.53	3.56	264331.3	940.712702			3
3.74	3.75	3.78	318812.9	925.184786			4
E 3.79	3.81	3.83	287450.9	1002.595691			5
E 3.99	4.00	4.03	225905.5	1205.187751			6
+ 3.99	4.03	4.03	79745.06	425.433509			6
Height Summation:			1522740.4				
Amount Avg CF:			905.507417	Linear:			
Aroclor-1242					6	5.26	
3.18	3.20	3.22	216046.2	540.625681			1
3.40	3.41	3.44	210193.6	567.006754			2
+ 3.40	3.43	3.44	96294.92	259.759907			2
3.51	3.53	3.55	264331.3	559.128348			3
3.73	3.75	3.77	318812.9	556.460861			4
3.79	3.81	3.83	287450.9	585.114945			5
3.98	4.00	4.02	225905.5	626.233816			6
Height Summation:			1522740.4				
Amount Avg CF:			572.428401	Linear:			
Aroclor-1248					6	66.95	
3.79	3.81	3.83	287450.9	815.747174			1
3.86	3.88	3.90	213495.6	385.837651			2
3.98	4.00	4.02	225905.5	353.039336			3
4.07	4.09	4.11	237056.6	430.51446			4
4.25	4.27	4.29	60678.86	110.734035			5
4.64	4.66	4.68	487196.7	1088.372011			6
Height Summation:			1511784.16				
Amount Avg CF:			530.707445	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 21:53:28
Instrument : CP25--18274B
Result file : 25PCBS17116021B.041.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 27.57915
%SSR(DCB) : 107% (48-164) Conc.: 31.09853

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.26	
2.89	2.90	2.93	327343.7	494.364289			1
3.22	3.24	3.26	443370.5	502.851929			2
3.41	3.43	3.45	500061.7	501.72331			3
3.49	3.50	3.53	514855.3	496.529082			4
3.65	3.67	3.69	479978.9	571.162559			5
+ 3.74	3.74	3.78	103464.6	134.75015			6
3.74	3.76	3.78	421484.4	548.932544			6
Height Summation:			2687094.5				
Amount Avg CF:			519.260619	Linear:			
Aroclor-1221					3	34.81	
2.77	2.79	2.81	63374.2	184.456081			1
2.84	2.85	2.88	79529.45	374.844326			2
2.89	2.90	2.93	327343.7	365.374667			3
Height Summation:			470247.35				
Amount Avg CF:			308.225025	Linear:			
Aroclor-1232					6	31.80	
2.89	2.90	2.93	327343.7	395.307056			1
E 3.22	3.24	3.26	443370.5	1065.614272			2
E 3.41	3.43	3.45	500061.7	1118.100921			3
E 3.49	3.50	3.53	514855.3	1114.695339			4
E 3.65	3.67	3.69	479978.9	1349.378551			5
+ 3.65	3.69	3.69	209989.2	590.348706			5
E 3.75	3.76	3.79	421484.4	1187.144834			6
Height Summation:			2687094.5				
Amount Avg CF:			1038.373496	Linear:			
Aroclor-1242					6	5.81	
2.89	2.90	2.93	327343.7	590.279184			1
3.22	3.24	3.26	443370.5	629.675417			2
3.41	3.43	3.45	500061.7	624.679237			3
3.49	3.50	3.53	514855.3	630.372806			4
3.65	3.67	3.69	479978.9	702.892995			5
+ 3.74	3.74	3.78	103464.6	158.449863			6
3.74	3.76	3.78	421484.4	645.478216			6
Height Summation:			2687094.5				
Amount Avg CF:			637.229643	Linear:			
Aroclor-1248					6	57.58	
3.41	3.43	3.45	500061.7	1254.473566			1
3.52	3.54	3.56	420242.8	412.663837			2
3.65	3.67	3.69	479978.9	394.08987			3
+ 3.65	3.69	3.69	209989.2	172.41303			3
3.74	3.76	3.78	421484.4	453.107064			4
3.88	3.89	3.92	829763.3	443.572922			5
4.24	4.26	4.28	957844.6	1080.984289			6
Height Summation:			3609375.7				
Amount Avg CF:			673.148591	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9004820** MSDACF DF5 A5319 Sample ID: AC **Batchnumber: 171450004A**
Sample Amount: 10.11 g Total Volume: 50 ml Analyst: 2855 SDG: ATE53 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 21:53:28
Instrument : CP25--18274A
Result file : 25PCBS17116021.041.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	81.33	
4.24	4.25	4.28	280913	476.661296			1
+ 4.24	4.27	4.28	60678.86	102.961643			1
4.58	4.60	4.62	139625.6	199.606147			2
+ 4.58	4.61	4.62	39623.99	56.645715			2
4.64	4.66	4.68	487196.7	360.205849			3
4.77	4.78	4.81	742504.9	1698.81074			4
4.86	4.87	4.89	452314.4	454.668532			5
5.05	5.07	5.09	615220.5	831.477585			6
Height Summation:			2717775.1				
Amount Avg CF:			670.238358	Linear:			
Aroclor-1260					6	14.00	
4.76	4.78	4.80	742504.9	759.169432			1
5.05	5.07	5.09	615220.5	1085.656175			2
5.23	5.25	5.27	523951.6	787.639559			3
5.40	5.41	5.44	568218.3	783.882739			4
5.63	5.65	5.67	1739123	884.894794			5
5.83	5.85	5.87	1046499	871.805552			6
Height Summation:			5235517.3				
Amount Avg CF:			862.174708	Linear:			
Aroclor-1262					6	28.33	
5.23	5.25	5.27	523951.6	441.363851			1
5.40	5.41	5.44	568218.3	555.890108			2
5.63	5.65	5.67	1739123	659.955435			3
5.83	5.85	5.87	1046499	647.360956			4
5.89	5.91	5.93	206510.8	278.689552			5
6.26	6.28	6.30	445282.2	465.490417			6
Height Summation:			4529584.9				
Amount Avg CF:			508.125053	Linear:			
Aroclor-1268					6	94.54	
5.83	5.85	5.87	1046499	366.617301			1
5.89	5.91	5.93	206510.8	79.507636			2
6.03	6.04	6.07	18690.47	7.748077			3
+ 6.09	6.09	6.13	27158.78	43.279742			4
6.09	6.12	6.13	185594.3	295.759731			4
6.26	6.28	6.30	445282.2	435.499132			5
6.47	6.48	6.51	116935.4	13.92752			6
Height Summation:			2019512.17				
Amount Avg CF:			199.843233	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 21:53:28
Instrument : CP25--18274B
Result file : 25PCBS17116021B.041.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	91.22	
4.18	4.19	4.22	448160.1	288.584976			1
4.24	4.26	4.28	957844.6	335.952965			2
4.33	4.35	4.37	1876264	1433.321472			3
4.40	4.42	4.44	843290.8	442.357099			4
+ 4.40	4.44	4.44	421757.8	221.23751			4
4.47	4.48	4.51	2464422	2331.41083			5
4.62	4.64	4.66	772188.5	555.286501			6
Height Summation:			7362170				
Amount Avg CF:			897.818974	Linear:			
Aroclor-1260					6	9.93	
4.33	4.35	4.37	1876264	883.657892			1
4.47	4.48	4.51	2464422	1013.247394			2
4.57	4.59	4.61	1765872	845.772241			3
4.92	4.94	4.96	1417010	847.058481			4
5.11	5.13	5.15	3950420	957.584076			5
5.37	5.39	5.41	2648141	1070.171175			6
Height Summation:			14122129				
Amount Avg CF:			936.248543	Linear:			
Aroclor-1262					6	31.85	
4.73	4.75	4.77	980625.2	366.760711			1
4.92	4.94	4.96	1417010	535.880387			2
5.11	5.13	5.15	3950420	713.915401			3
5.33	5.34	5.36	696370.6	334.693489			4
5.37	5.39	5.41	2648141	733.195262			5
5.75	5.77	5.79	1011230	487.499458			6
Height Summation:			10703796.8				
Amount Avg CF:			528.657451	Linear:			
Aroclor-1268					6	122.12	
5.33	5.34	5.37	696370.6	105.94409			1
5.37	5.39	5.41	2648141	414.262855			2
5.53	5.54	5.57	46803.15	8.415608			3
5.59	5.61	5.63	29722.07	21.703363			4
5.75	5.77	5.79	1011230	436.546497			5
5.95	5.97	5.99	267977.1	13.569048			6
Height Summation:			4700243.92				
Amount Avg CF:			166.740244	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			252.2255	48.9614		8.97	4	40	
Aroclor-1221			252.2255	75.6677		26.04	3	5	
Aroclor-1232			252.2255	60.8309	E	13.67	4	10	
Aroclor-1242			252.2255	60.8309		10.71	4	30	
Aroclor-1248			252.2255	48.9614		23.66	4	40	
Aroclor-1254			252.2255	65.2819		29.03	4	40	
Aroclor-1260			252.2255	57.8635		8.24	4	40	
Aroclor-1262			252.2255	48.9614		3.96	4	40	
Aroclor-1268			252.2255	48.9614		18.06	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9004820MSDACF DF5 ACA5319 MSD 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:53:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.041.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.017		914	718
2.053		7126	8643
2.089		7019	8448
2.126		1469	682
2.145		20180	13519
2.176		1223	1318
2.211		26885	19318
2.239		2594	2042
2.295		1324	1403
2.339		20217	15343
2.375		2325	1747
2.404		2424	2164
2.451		770	893
2.502		3729	5579
2.544		1515	1443
2.579		2707	1876
2.601		2184	1465
2.647		609	260
2.664		15366	10123
2.698		2044	1499
2.719		657	272
2.75		2688	3095
2.791		7639	7509
2.838		312	225
2.857		801	409
2.884		2895	2287
2.912		1380	1048
2.944	TCX	752057	533259
3.031		461	279
3.056		3760	3993
3.092		33741	29794
3.149		48283	36935
3.197		216046	157246
3.225		1118	637
3.251		28567	19663
3.267		5526	2271
3.291		26467	19801
3.337		1021	954
3.389		1551	1176
3.415		210194	131328
3.431		96295	52648
3.469		27206	16678
3.496		18518	14809
3.531		264331	212572
3.567		1231	657
3.608		8729	6534
3.642		59368	34952
3.657		28764	14278
3.701		106524	68586
3.712		284300	152472
3.749		318813	258132
3.807		287451	224496
3.848		21744	16350
3.877		213496	166443

RT A	Compound A	Height A	Area A
3.905		132965	111236
3.927		48954	27335
4.002		225906	167958
4.026		79745	51545
4.057		88738	63737
4.091		237057	226621
4.131		68112	61931
4.178		5549	3430
4.194		6034	3620
4.218		15879	11156
4.253		280913	207298
4.27		60679	32722
4.295		131710	108349
4.366		75130	63672
4.409		427459	458907
4.442		123976	100728
4.484		7627	5261
4.506		13633	10135
4.547		103392	97327
4.597		139626	104283
4.613		39624	54577
4.658		487197	454946
4.708		283477	309971
4.744		86720	63880
4.784		742505	744064
4.83		44639	39220
4.87		452314	440167
4.903		8529	5111
4.932		173847	174963
4.982		1076056	1370232
5.034		158933	143834
5.071		615221	714694
5.116		25697	15981
5.152		104498	131744
5.186		1485146	1638987
5.254		523952	497080
5.296		373125	366109
5.389		232799	186081
5.414		568218	489168
5.47		336787	311682
5.508		203993	199099
5.551		27928	29109
5.59		277645	330944
5.649		1739123	1794341
5.734		2478	3373
5.773		676	420
5.802		784	656
5.852		1046499	1004306
5.882		71961	45811
5.908		206511	241172
5.952		1241	819
6.018		2642	2344
6.043		18690	17302
6.095		27159	21791
6.123		185594	174684
6.187		650	307
6.249		377	1124
6.278		445282	460686
6.324		32729	31046
6.369		999	1166
6.413		1014	1431
6.483		116935	123734
6.566		1388	1934
6.633	DCB	617310	666142
6.689		1037	688
6.715		421	181

RT A	Compound A	Height A	Area A
6.727		611	266
6.783		1919	3152
6.83		2158	3345
6.908		7672	22796
6.974		580	330

LANCASTER LABORATORIES

Sample Number: 9004820MSDACF DF5 ACA5319 MSD 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:53:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.041.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.035		1184	962
2.117		3295	4201
2.175		3536	4777
2.211		1684	1611
2.235		2465	2551
2.279		1924	1305
2.304		2674	3188
2.367		21558	14008
2.455		590	838
2.478		5110	9731
2.537		1266	796
2.552		7574	4482
2.575		5156	3076
2.619	TCX	1061921	656735
2.664		29590	25252
2.716		2435	4223
2.764		4353	3388
2.791		63374	39980
2.853		79529	54801
2.905		327344	199646
2.928		50046	24600
3.017		48854	38588
3.078		1126	776
3.113		452534	452074
3.165		57143	35965
3.186		21888	12978
3.212		41548	23326
3.236		443371	304115
3.273		19231	15556
3.32		121291	65099
3.336		82682	40895
3.364		5106	3158
3.386		226420	113815
3.396		491529	212003
3.43		500062	394534
3.505		514855	330863
3.541		420243	261999
3.564		392103	228060
3.582		155467	80080
3.669		479979	317427
3.692		209989	116107
3.713		167664	103021
3.742		103465	54121
3.759		421484	257114
3.8		151453	110430
3.848		23505	23887
3.87		158865	95180
3.893		829763	551137
3.918		227775	137278
3.937		55445	28020
3.958		155234	104130
3.993		916091	628317
4.025		267065	169180
4.042		64769	30434

RT B	Compound B	Height B	Area B
4.103		36478	31620
4.138		209230	172161
4.194		448160	332233
4.236		175601	176930
4.256		957845	1067228
4.295		302587	308570
4.347		1876264	1456969
4.385		95731	81996
4.417		843291	587900
4.441		421758	303139
4.484		2464423	1949213
4.587		1765872	1744830
4.636		772189	650563
4.678		558492	477032
4.715		2968947	2498714
4.747		980625	675896
4.785		798495	632313
4.861		42624	31692
4.884		196809	131323
4.902		65812	37201
4.935		1417011	1071934
4.959		412004	282846
5.009		782484	702333
5.045		442706	345960
5.075		301792	240604
5.107		246316	147048
5.128		3950420	3108462
5.17		83004	62165
5.201		115936	97313
5.264		3370	2169
5.32		38445	23559
5.343		696371	572462
5.387		2648141	2837771
5.487		2590	1794
5.543		46803	43673
5.588		90600	70934
5.611		29722	19558
5.66		456205	388223
5.739		1407	594
5.767		1011230	877766
5.799		69053	51568
5.966		267977	232684
6.063		1795	1624
6.126	DCB	1482304	1356444
6.331		8291	6868
6.475		948	1214
6.611		2837	5440
6.656		2229	2874
6.906		3472	4019

9004820MSDACF DF5 ACA5319 MSD 171450004A 10225 SW-846 80

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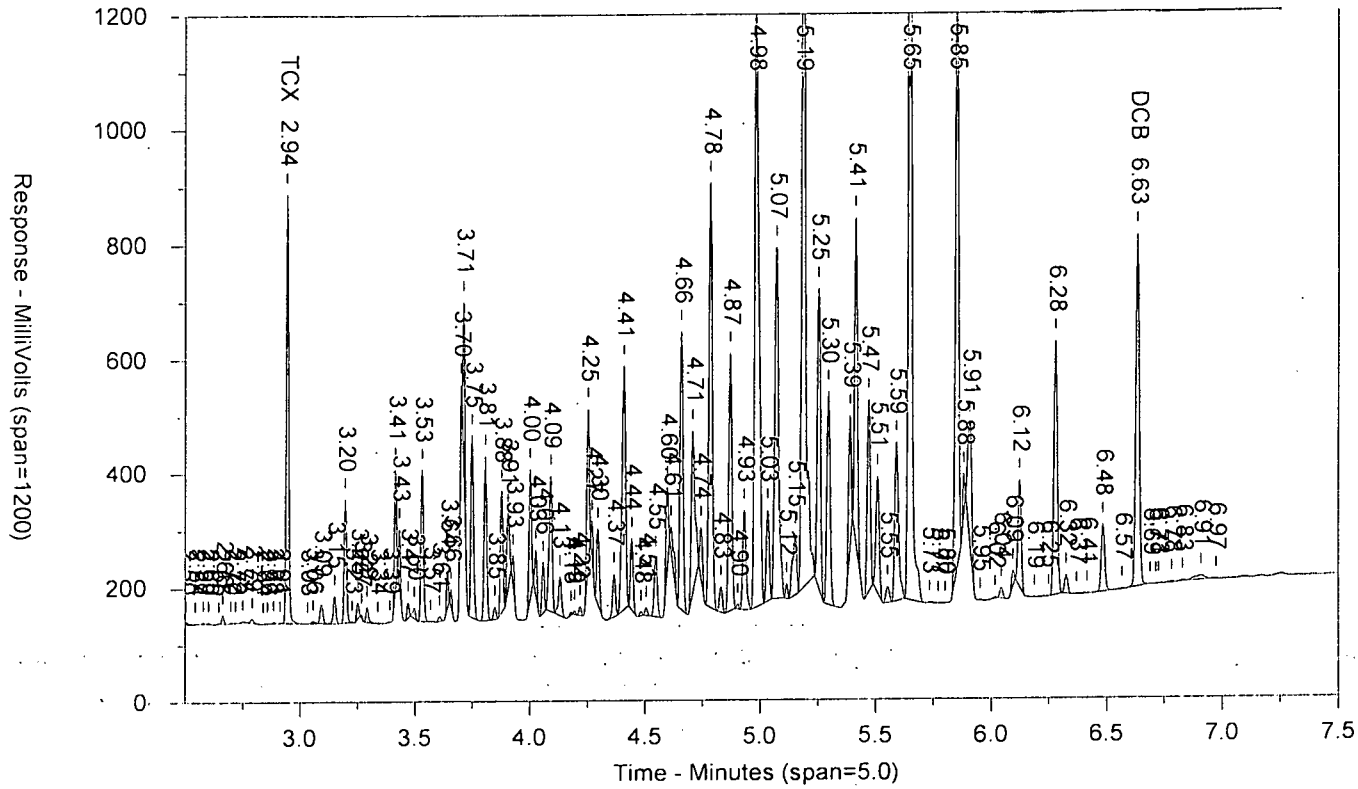

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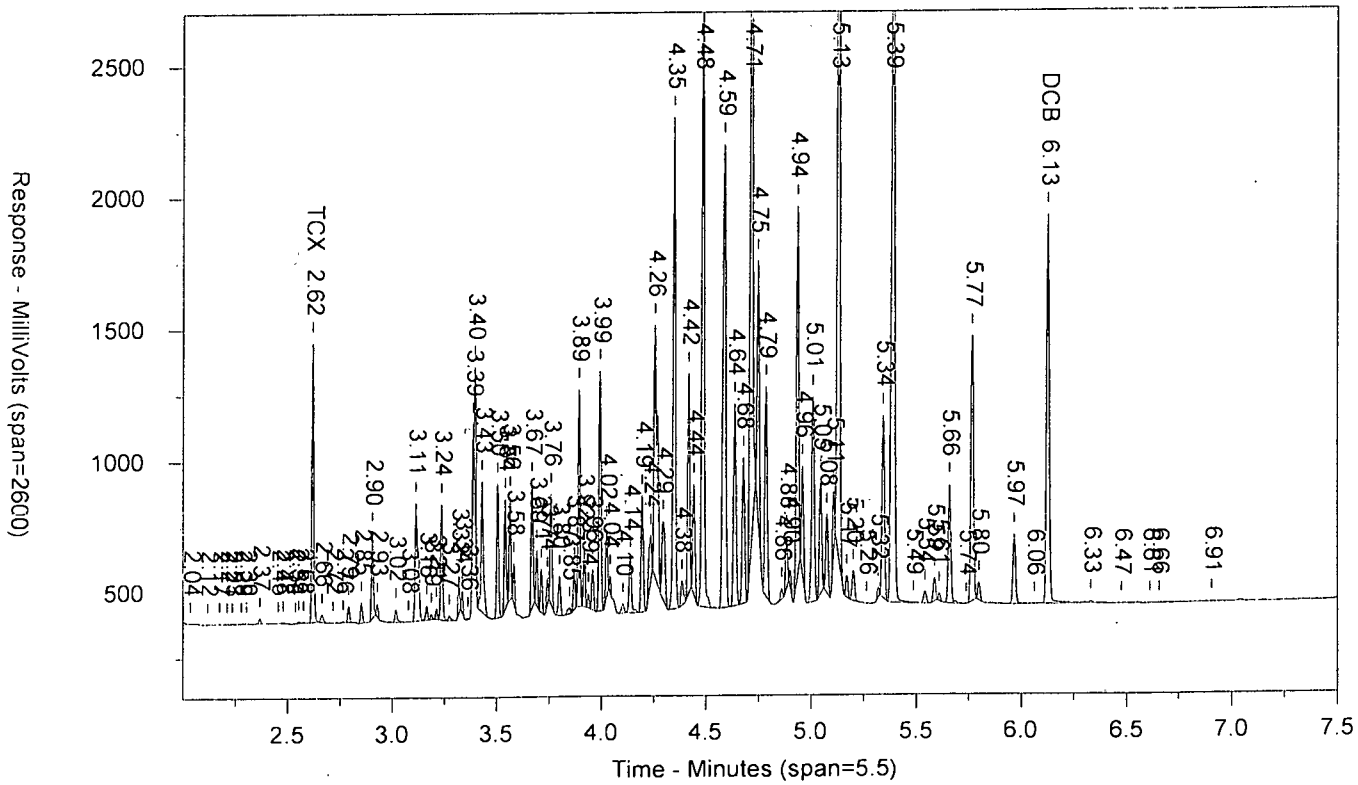

LANCASTER LABORATORIES

Sample Number: 9004820MSDACF DF5 ACA5319 MSD 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 9:53:28 PM Sample Weight: 10.11
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	752057	26.61	TCX	2.619	1061921	27.579	TCX
6.633	617310	30.627	DCB	6.126	1482304	31.099	DCB

Files:
Area File: 25pcbs17116021.041.RAW
Area File: 25pcbs17116021B.041.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 10:02:01 PM
File Reported On: 5/26/2017 at 10:02:08 PM

9004820MSDACF DF5 ACA5319 MSD 171450004A 10225 SW-846 80

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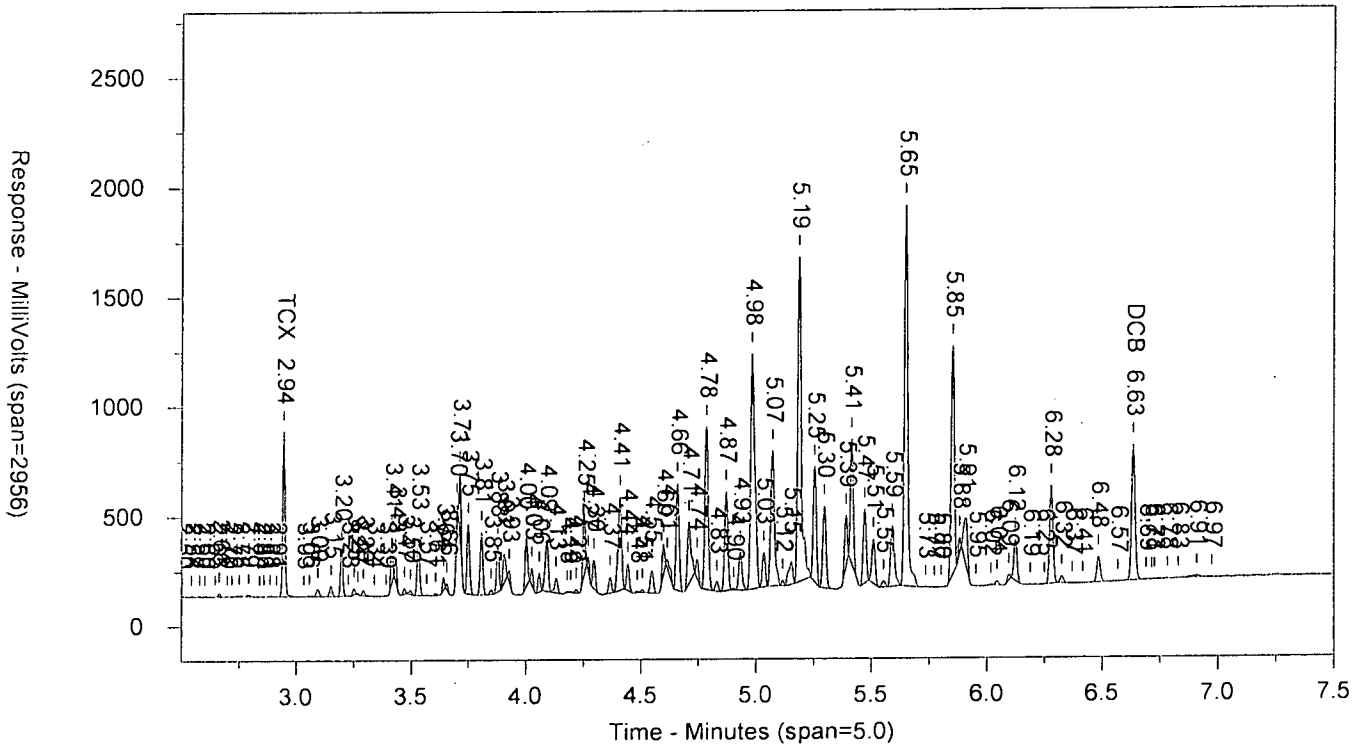

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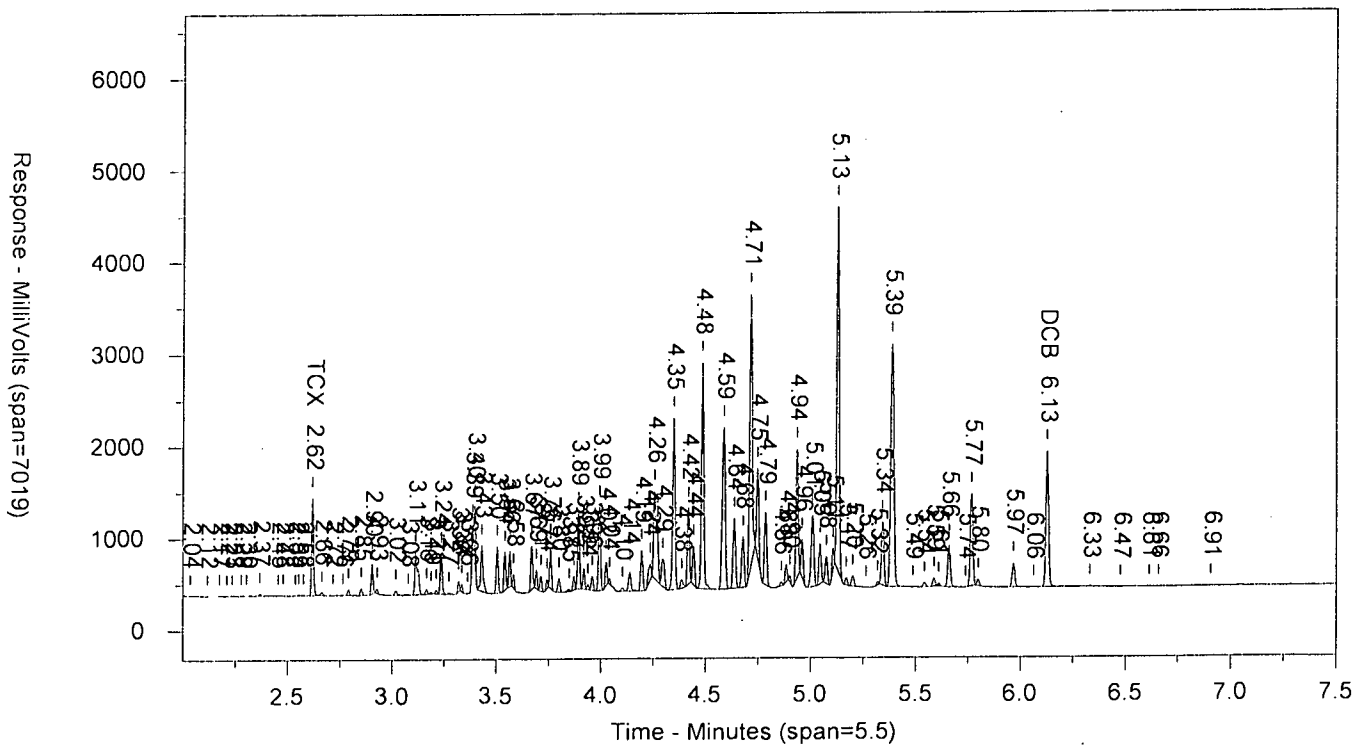

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Data Summary

Sample Name: LCSA 5/25/17 ACF LCS04145 LCS Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 16:47:37
Instrument	18274A
Result file	25PCBS17116021.014.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 97% (61 - 152) Conc: 28.34598
%SSR(DCB) 103% (48 - 164) Conc: 30.24344

Analysis Report (B)

Injected on	May 26, 2017 16:47:37
Instrument	18274B
Result file	25PCBS17116021B.014.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 103% (61 - 152) Conc: 30.02479
%SSR(DCB) 114% (48 - 164) Conc: 33.4878

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	3962031	28.34598
Decachlorobiphenyl	6.61	6.63	6.67	3014769	30.24344

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	5717553	30.02479
Decachlorobiphenyl	6.10	6.13	6.16	7894104	33.4878

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	30.02479				5.75	
☐ Decachlorobiphenyl	B	33.4878				10.18	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.38**	
3.18	3.20	3.22	1024367	439.850329			1
3.40	3.41	3.44	1062303	480.583036			2
3.51	3.53	3.55	1287044	459.610059			3
3.73	3.75	3.77	1627136	478.237525			4
3.79	3.81	3.83	1452736	478.017941			5
3.98	4.00	4.02	1015613	473.543043			6
Height summation:			**7469199**				
Concentration		CF:	**468.306989**	L:			
Aroclor-1260						**2.04**	
4.76	4.78	4.80	2400308	496.235138			1
5.05	5.07	5.09	1421798	507.318335			2
5.23	5.25	5.27	1608758	488.99928			3
5.40	5.41	5.44	1761633	491.396969			4
5.63	5.65	5.67	4994504	513.848222			5
5.83	5.85	5.87	2914255	490.896023			6
Height summation:			**15101256**				
Concentration		CF:	**498.115661**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.12**	
2.89	2.91	2.93	1546528	472.260957			1
3.22	3.24	3.26	2167316	497.023262			2
3.41	3.43	3.45	2514310	510.082777			3
3.49	3.51	3.53	2660359	518.777223			4
3.65	3.67	3.69	2275119	547.422764			5
3.74	3.76	3.78	2014981	530.627289			6
Height summation:			**13178613**				
Concentration		CF:	**512.699045**	L:			
Aroclor-1260						**6.03**	
4.33	4.35	4.37	5470596	520.961956			1
4.47	4.48	4.51	6871812	571.285024			2
4.57	4.59	4.61	5418558	524.75802			3
4.92	4.94	4.96	4388718	530.468142			4
5.11	5.13	5.15	11269170	552.340293			5
5.37	5.39	5.41	7423962	606.637195			6
Height summation:			**40842816**				
Concentration		CF:	**551.075105**	L:			

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Data Summary

Sample Name: LCSA 5/25/17 ACF LCS04145 LCS Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 26, 2017 16:47:37
Instrument	18274A
Result file	25PCBS17116021.014.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

Analysis Report (B)

Injected on	May 26, 2017 16:47:37
Instrument	18274B
Result file	25PCBS17116021B.014.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	512.699045	51	9.9		9.05	4	
☐ PCB-1221			<51	<15.3			3	
☐ PCB-1232			<51	<12.3			4	
☐ PCB-1242			<51	<12.3			4	
☐ PCB-1248			<51	<9.9			4	
☐ PCB-1254			<51	<13.2			4	
☐ PCB-1260	B	551.075105	51	11.7		10.10	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	1063.77415	51	9.9				

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 30 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 30 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/25/17 ACF LCS04145 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 16:47:37
Instrument : CP25--18274A
Result file : 25PCBS17116021.014.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 97% (61-152) Conc.: 28.34598
%SSR(DCB) : 103% (48-164) Conc.: 30.24344

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.38	
3.18	3.20	3.22	1024367	439.850329			1
3.40	3.41	3.44	1062303	480.583036			2
+ 3.40	3.43	3.44	474875	214.83218			2
3.51	3.53	3.55	1287044	459.610059			3
3.73	3.75	3.77	1627136	478.237525			4
3.79	3.81	3.83	1452736	478.017941			5
3.98	4.00	4.02	1015613	473.543043			6
Height Summation:			7469199				
Amount Avg CF:			468.306989	Linear:			
Aroclor-1221					3	38.39	
3.07	3.09	3.11	169136	149.094206			1
E 3.13	3.15	3.17	220056.5	211.315364			2
E 3.18	3.20	3.22	1024367	321.404281			3
Height Summation:			1413559.5				
Amount Avg CF:			227.271284	Linear:			
Aroclor-1232					6	30.02	
E 3.18	3.20	3.22	1024367	359.693149			1
E 3.40	3.41	3.44	1062303	1005.738958			2
E+ 3.40	3.43	3.44	474875	449.589512			2
E 3.52	3.53	3.56	1287044	926.153477			3
E 3.74	3.75	3.78	1627136	954.767443			4
E 3.79	3.81	3.83	1452736	1024.542577			5
E 3.99	4.00	4.03	1015613	1095.562875			6
E+ 3.99	4.02	4.03	324904.4	350.481137			6
Height Summation:			7469199				
Amount Avg CF:			894.409747	Linear:			
Aroclor-1242					6	4.87	
E 3.18	3.20	3.22	1024367	518.306637			1
E 3.40	3.41	3.44	1062303	579.426432			2
E+ 3.40	3.43	3.44	474875	259.017556			2
E 3.51	3.53	3.55	1287044	550.47483			3
E 3.73	3.75	3.77	1627136	574.253621			4
E 3.79	3.81	3.83	1452736	597.923149			5
E 3.98	4.00	4.02	1015613	569.271069			6
Height Summation:			7469199				
Amount Avg CF:			564.942623	Linear:			
Aroclor-1248					6	67.33	
3.79	3.81	3.83	1452736	833.603933			1
3.86	3.88	3.90	904396.4	330.487968			2
3.98	4.00	4.02	1015613	320.926586			3
4.07	4.09	4.11	1097210	402.908659			4
4.25	4.27	4.29	147114.2	54.284952			5
4.64	4.66	4.68	706515.8	319.136191			6
Height Summation:			5323585.4				
Amount Avg CF:			376.891381	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 16:47:37
Instrument : CP25--18274B
Result file : 25PCBS17116021B.014.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 103% (61-152) Conc.: 30.02479
%SSR(DCB) : 114% (48-164) Conc.: 33.4878

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	5.12	
2.89	2.91	2.93	1546528	472.260957			1
3.22	3.24	3.26	2167316	497.023262			2
3.41	3.43	3.45	2514310	510.082777			3
3.49	3.51	3.53	2660359	518.777223			4
3.65	3.67	3.69	2275119	547.422764			5
3.74	3.76	3.78	2014981	530.627289			6
Height Summation:			13178613				
Amount Avg CF:			512.699048	Linear:			
Aroclor-1221					3	37.41	
2.77	2.79	2.81	264674.7	155.766502			1
E 2.84	2.85	2.88	296718.2	282.779746			2
E 2.89	2.91	2.93	1546528	349.038541			3
Height Summation:			2107920.9				
Amount Avg CF:			262.528263	Linear:			
Aroclor-1232					6	31.91	
E 2.89	2.91	2.93	1546528	377.632634			1
E 3.22	3.24	3.26	2167316	1053.262503			2
E 3.41	3.43	3.45	2514310	1136.730169			3
E 3.49	3.51	3.53	2660359	1164.641858			4
E 3.65	3.67	3.69	2275119	1293.292994			5
E+ 3.65	3.69	3.69	978551.1	556.25806			5
E 3.75	3.76	3.79	2014981	1147.557111			6
Height Summation:			13178613				
Amount Avg CF:			1028.852878	Linear:			
Aroclor-1242					6	6.03	
E 2.89	2.91	2.93	1546528	563.887438			1
E 3.22	3.24	3.26	2167316	622.376711			2
E 3.41	3.43	3.45	2514310	635.087335			3
E 3.49	3.51	3.53	2660359	658.618127			4
E 3.65	3.67	3.69	2275119	673.677958			5
+ 3.74	3.74	3.78	520961.9	161.319623			6
E 3.74	3.76	3.78	2014981	623.953451			6
Height Summation:			13178613				
Amount Avg CF:			629.60017	Linear:			
Aroclor-1248					6	71.80	
E 3.41	3.43	3.45	2514310	1275.374988			1
3.52	3.54	3.56	1837883	364.917879			2
3.65	3.67	3.69	2275119	377.709922			3
+ 3.65	3.69	3.69	978551.1	162.456759			3
3.74	3.76	3.78	2014981	437.997301			4
3.88	3.89	3.92	2725893	294.646143			5
+ 4.24	4.26	4.28	506109.5	115.491485			6
4.24	4.27	4.28	1607915	366.917617			6
Height Summation:			12976101				
Amount Avg CF:			519.593975	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/25/17 ACF LCS04145 Sample ID: AB **Batchnumber: 171450004A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 26, 2017 16:47:37
Instrument : CP25--18274A
Result file : 25PCBS17116021.014.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**114.74**	
4.24	4.25	4.28	917578.2	314.819982			1
+ 4.24	4.27	4.28	147114.2	50.474706			1
+ 4.58	4.60	4.62	130503.4	37.723487			2
4.58	4.61	4.62	241791.5	69.892575			2
4.64	4.66	4.68	706515.8	105.6208			3
E 4.77	4.78	4.81	2400308	1110.436677			4
4.86	4.87	4.89	427841.7	86.959843			5
5.05	5.07	5.09	1421798	388.54274			6
Height Summation:			**6115833.2**				
Amount Avg CF:			**346.045436**	Linear:			
Aroclor-1260					**6**	**2.04**	
4.76	4.78	4.80	2400308	496.235138			1
5.05	5.07	5.09	1421798	507.318335			2
5.23	5.25	5.27	1608758	488.99928			3
5.40	5.41	5.44	1761633	491.396969			4
5.63	5.65	5.67	4994504	513.848222			5
5.83	5.85	5.87	2914255	490.896023			6
Height Summation:			**15101256**				
Amount Avg CF:			**498.115661**	Linear:			
Aroclor-1262					**6**	**29.28**	
E 5.23	5.25	5.27	1608758	274.01697			1
E 5.40	5.41	5.44	1761633	348.47395			2
E 5.63	5.65	5.67	4994504	383.228525			3
E 5.83	5.85	5.87	2914255	364.515824			4
5.89	5.91	5.93	567963.5	154.98137			5
E 6.26	6.28	6.30	1183656	250.196981			6
Height Summation:			**13030769.5**				
Amount Avg CF:			**295.90227**	Linear:			
Aroclor-1268					**6**	**93.90**	
E 5.83	5.85	5.87	2914255	206.434766			1
5.89	5.91	5.93	567963.5	44.214798			2
6.03	6.04	6.07	75267.47	6.309024			3
+ 6.09	6.10	6.13	43956.25	14.163683			4
6.09	6.12	6.13	476277.4	153.467188			4
E 6.26	6.28	6.30	1183656	234.076931			5
6.47	6.48	6.51	323093.6	7.781034			6
Height Summation:			**5540512.97**				
Amount Avg CF:			**108.713957**	Linear:			

Analysis Report (B)

Injected on : May 26, 2017 16:47:37
Instrument : CP25--18274B
Result file : 25PCBS17116021B.014.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**122.80**	
4.18	4.19	4.22	607977.2	79.160581			1
+ 4.24	4.26	4.28	506109.5	35.892943			2
4.24	4.27	4.28	1607915	114.032242			2
4.33	4.35	4.37	5470596	845.017019			3
+ 4.40	4.42	4.44	547914.8	58.115211			4
4.40	4.44	4.44	1172952	124.410499			4
E 4.47	4.48	4.51	6871812	1314.48657			5
4.62	4.64	4.66	643066.7	93.504165			6
Height Summation:			**16374318.9**				
Amount Avg CF:			**428.435179**	Linear:			
Aroclor-1260					**6**	**6.03**	
4.33	4.35	4.37	5470596	520.961956			1
4.47	4.48	4.51	6871812	571.285024			2
4.57	4.59	4.61	5418558	524.75802			3
4.92	4.94	4.96	4388718	530.468142			4
5.11	5.13	5.15	11269170	552.340293			5
5.37	5.39	5.41	7423962	606.637195			6
Height Summation:			**40842816**				
Amount Avg CF:			**551.075105**	Linear:			
Aroclor-1262					**6**	**28.46**	
E 4.73	4.75	4.77	3304457	249.896983			1
E 4.92	4.94	4.96	4388718	335.59368			2
E 5.11	5.13	5.15	11269170	411.790726			3
5.33	5.34	5.36	2009699	195.307538			4
E 5.37	5.39	5.41	7423962	415.619041			5
E 5.75	5.77	5.79	2836070	276.453625			6
Height Summation:			**31232076**				
Amount Avg CF:			**314.110265**	Linear:			
Aroclor-1268					**6**	**120.25**	
5.33	5.34	5.37	2009699	61.822772			1
E 5.37	5.39	5.41	7423962	234.829028			2
5.53	5.54	5.57	152273	5.536234			3
5.59	5.61	5.63	105137.8	15.523442			4
E 5.75	5.77	5.79	2836070	247.558966			5
5.95	5.97	5.99	735879.6	7.534243			6
Height Summation:			**13263021.4**				
Amount Avg CF:			**95.467448**	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		9.05	4	40	
Aroclor-1221			51	15.3	E	14.40	3	5	
Aroclor-1232			51	12.3	E	13.98	4	10	
Aroclor-1242			51	12.3	E	10.83	4	30	
Aroclor-1248			51	9.9		31.84	4	40	
Aroclor-1254			51	13.2	E	21.28	4	40	
Aroclor-1260			51	11.7		10.10	4	40	
Aroclor-1262			51	9.9	E	5.97	4	40	
Aroclor-1268			51	9.9	E	12.98	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 5/25/17 ACF ABLCS04145 LCS 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 4:47:37 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116021.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.054		18280	15821
2.091		9256	10532
2.128		1250	766
2.144		87981	61830
2.183		5863	4131
2.21		14468	9527
2.238		16662	13218
2.302		10770	7796
2.339		39125	31778
2.372		2826	2182
2.404		21013	13119
2.437		3183	2497
2.474		8879	5949
2.5		5397	3180
2.519		6422	3869
2.546		1388	1273
2.578		12509	12282
2.619		6164	4176
2.664		1804	1688
2.701		839	624
2.717		1231	676
2.754		6468	7434
2.78		544	220
2.807		5203	3127
2.832		440	266
2.856		2277	1541
2.887		2271	1690
2.911		517	277
2.944	TCX	3962031	2847868
3.031		960	579
3.057		1547	1394
3.092		169136	149091
3.149		220057	165425
3.196		1024367	751117
3.254		78111	53008
3.291		132878	96592
3.334		4506	4876
3.414		1062303	632957
3.431		474875	252515
3.469		125324	73740
3.485		9971	3801
3.495		66711	36382
3.53		1287044	1002030
3.568		5948	3077
3.583		4072	2013
3.606		44292	31896
3.641		269938	159156
3.656		135481	67445
3.7		567292	303317
3.71		1526077	769519
3.748		1627136	1241089
3.806		1452736	1119170
3.847		108316	78250
3.876		904396	673699

RT A	Compound A	Height A	Area A
3.904		620255	509641
3.925		169488	95018
4		1015613	749292
4.024		324904	213131
4.057		374268	277301
4.09		1097211	1034280
4.13		302199	268780
4.177		49477	47752
4.217		67154	49599
4.252		917578	697523
4.269		147114	77929
4.293		278760	219072
4.364		160210	143593
4.408		1054639	1050304
4.441		31562	22023
4.48		1480	894
4.504		9397	7708
4.545		88859	86616
4.596		130503	93447
4.613		241792	170115
4.657		706516	659414
4.707		1000249	1104068
4.743		198109	148348
4.783		2400308	2227945
4.827		13515	10850
4.868		427842	437286
4.9		25780	16444
4.93		435890	413084
4.981		2991654	3673320
5.033		516338	483667
5.072		1421798	1520751
5.113		7677	3285
5.151		251652	305390
5.184		3769002	3845347
5.226		33380	14685
5.252		1608758	1518463
5.295		1051915	999375
5.388		450956	358681
5.413		1761633	1579736
5.469		925302	864634
5.508		531483	519598
5.549		88603	96287
5.591		613401	720235
5.648		4994505	5127733
5.737		4921	7760
5.796		1829	1411
5.851		2914255	2785578
5.881		160954	105969
5.906		567964	692978
5.946		1471	1818
6.001		658	545
6.017		928	505
6.043		75267	72761
6.095		43956	37948
6.122		476277	449307
6.234		2804	4046
6.278		1183656	1207652
6.323		86187	84122
6.408		1286	1692
6.447		735	537
6.481		323094	349346
6.561		941	1272
6.631	DCB	3014769	3256239
6.769		2286	3470
6.824		2229	3385
6.885		767	602

RT A	Compound A	Height A	Area A
6.907		3255	5147

LANCASTER LABORATORIES

Sample Number: LCSA 5/25/17 ACF ABLCS04145 LCS 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 4:47:37 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116021B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		8090	6866
2.117		30655	21289
2.159		10229	8451
2.203		9110	6409
2.235		7321	6683
2.303		12912	8859
2.368		3645	4012
2.401		9797	6580
2.439		5581	3090
2.467		2474	1149
2.54		1594	1567
2.577		4803	3214
2.62	TCX	5717553	3517780
2.664		116246	93831
2.712		2338	2238
2.74		3851	2255
2.762		3335	1997
2.792		264675	179686
2.853		296718	198361
2.905		1546528	937262
2.929		98457	52044
2.955		8108	5491
3.017		196431	135057
3.114		2151456	2069641
3.166		241453	152547
3.187		108443	63457
3.213		167731	96429
3.237		2167316	1430123
3.274		74214	49575
3.32		542482	288237
3.336		297251	145654
3.363		5102	2588
3.387		1289021	598103
3.396		2906377	1233514
3.43		2514310	1887302
3.505		2660359	1665322
3.541		1837883	1114350
3.564		1935237	1075270
3.582		586444	298684
3.669		2275119	1483716
3.691		978551	527083
3.713		763952	456224
3.741		520962	262573
3.759		2014981	1217542
3.8		661720	477694
3.848		90513	75299
3.871		511464	303083
3.892		2725893	1770210
3.918		542513	324854
3.937		81165	39297
3.957		315823	202838
3.992		2224008	1523430
4.026		96619	56541
4.041		150043	101211

RT B	Compound B	Height B	Area B
4.102		20015	18822
4.137		154772	143434
4.194		607977	436757
4.237		588159	359823
4.255		506110	274707
4.269		1607915	887737
4.296		897386	928843
4.346		5470596	4146716
4.395		67983	52310
4.417		547915	365735
4.441		1172952	861059
4.484		6871812	5210709
4.586		5418559	5204486
4.639		643067	540287
4.677		1474104	1221000
4.714		7460013	6082219
4.746		3304457	2328083
4.785		2367716	1842391
4.861		113555	81515
4.885		758986	720459
4.936		4388718	3472305
4.959		567673	368586
5.009		2277421	2010246
5.044		1112319	902353
5.074		853214	676547
5.107		368461	211348
5.129		11269170	9086811
5.17		215321	160357
5.202		350716	288431
5.282		5018	3911
5.319		109037	68693
5.343		2009699	1663084
5.386		7423962	7631625
5.504		4419	3067
5.543		152273	136749
5.587		197816	144829
5.611		105138	74332
5.66		1198793	987610
5.688		14447	8575
5.767		2836070	2334325
5.798		162870	124269
5.966		735880	642225
6.126	DCB	7894104	6691118
6.43		1174	650
6.657		3030	4089
6.902		3346	6359

LCSA 5/25/17 ACF ABLCS04145 LCS 171450004A 10225 SW-846 8082

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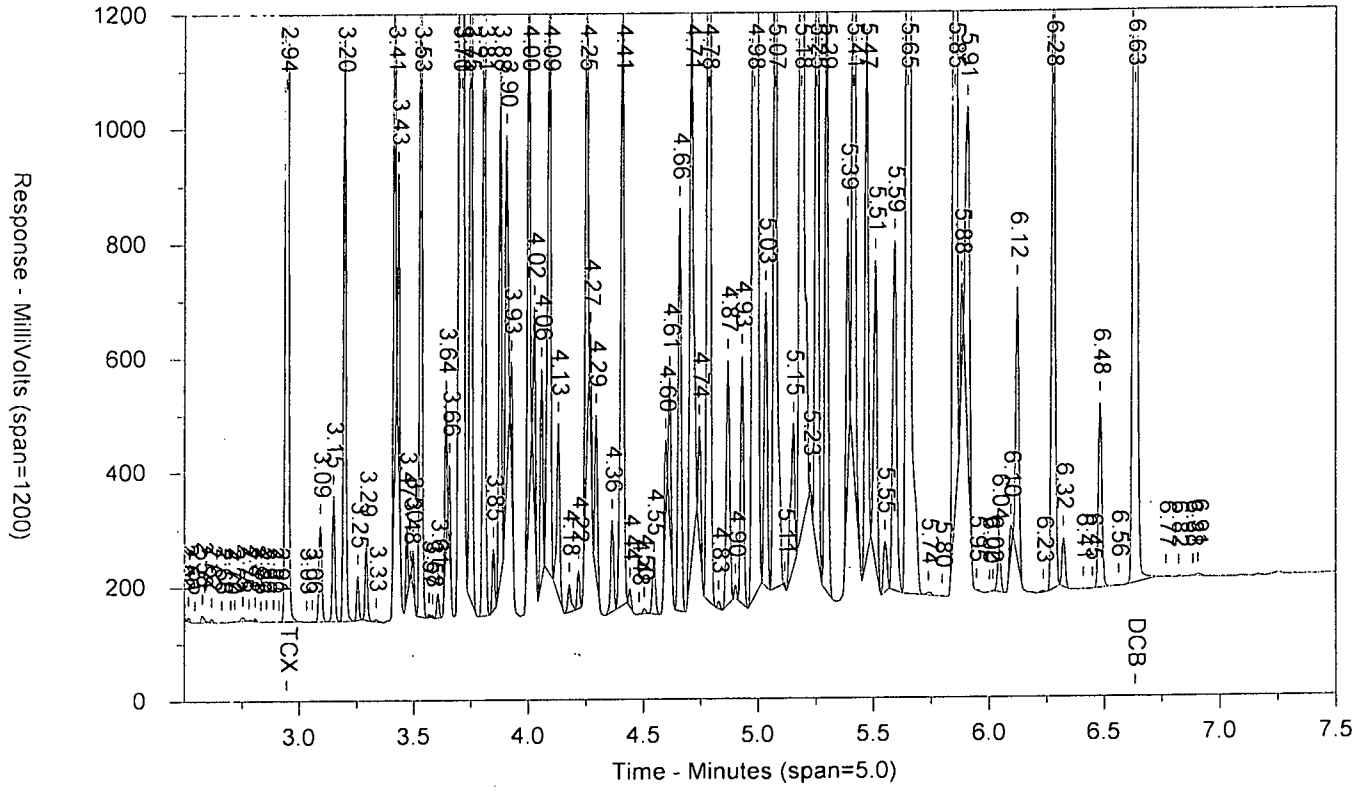

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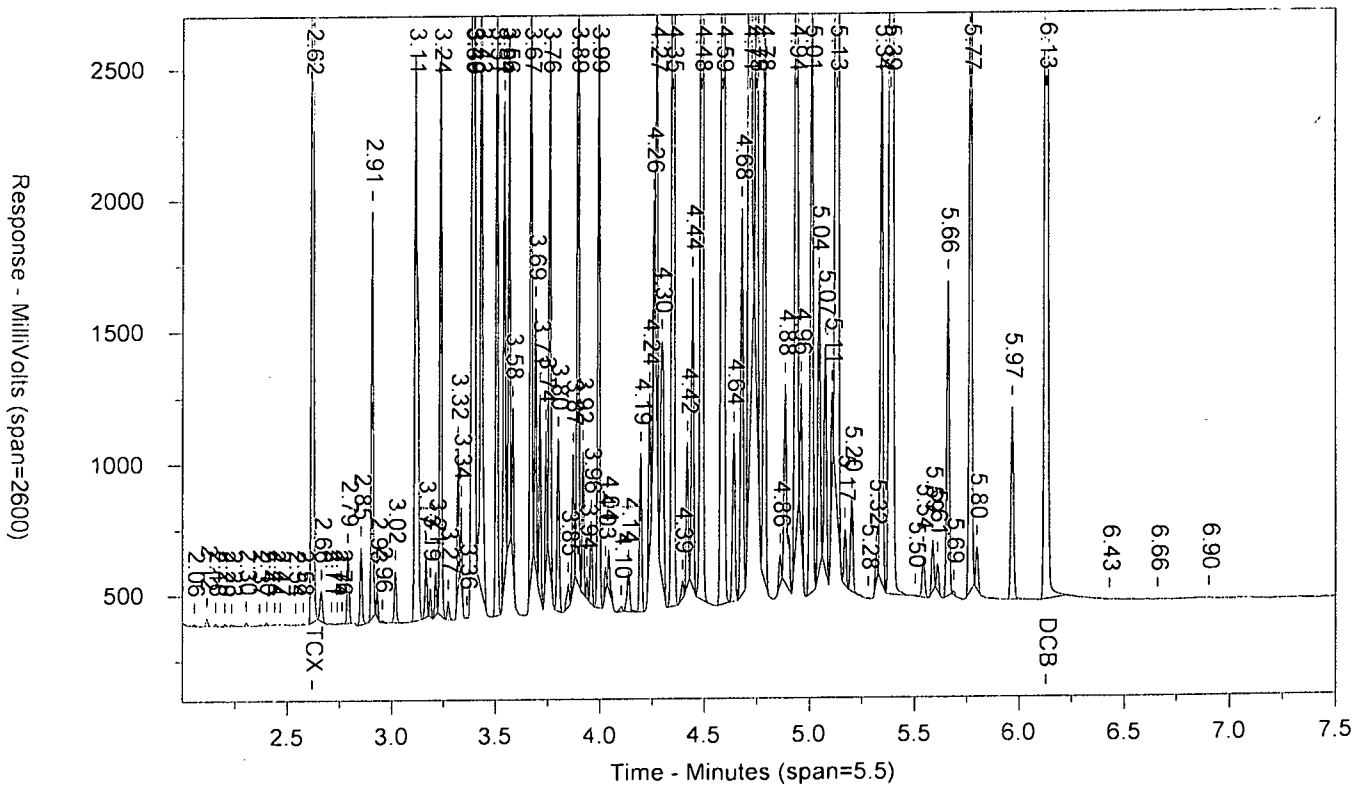

LANCASTER LABORATORIES

Sample Number: LCSA 5/25/17 ACF ABLCS04145 LCS 171450004A 10225 SW-846 8082
Injected On: 5/26/2017 4:47:37 PM
Sample Weight: 10
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	3962031	28.346	TCX	2.62	5717553	30.025	TCX
6.631	3014769	30.243	DCB	6.126	7894104	33.488	DCB

Files:
Area File: 25pcbs17116021.014.RAW
Area File: 25pcbs17116021B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/26/2017 4:56:09 PM
File Reported On: 5/26/2017 at 4:56:17 PM

LCSA 5/25/17 ACF ABLCS04145 LCS 171450004A 10225 SW-846 8082

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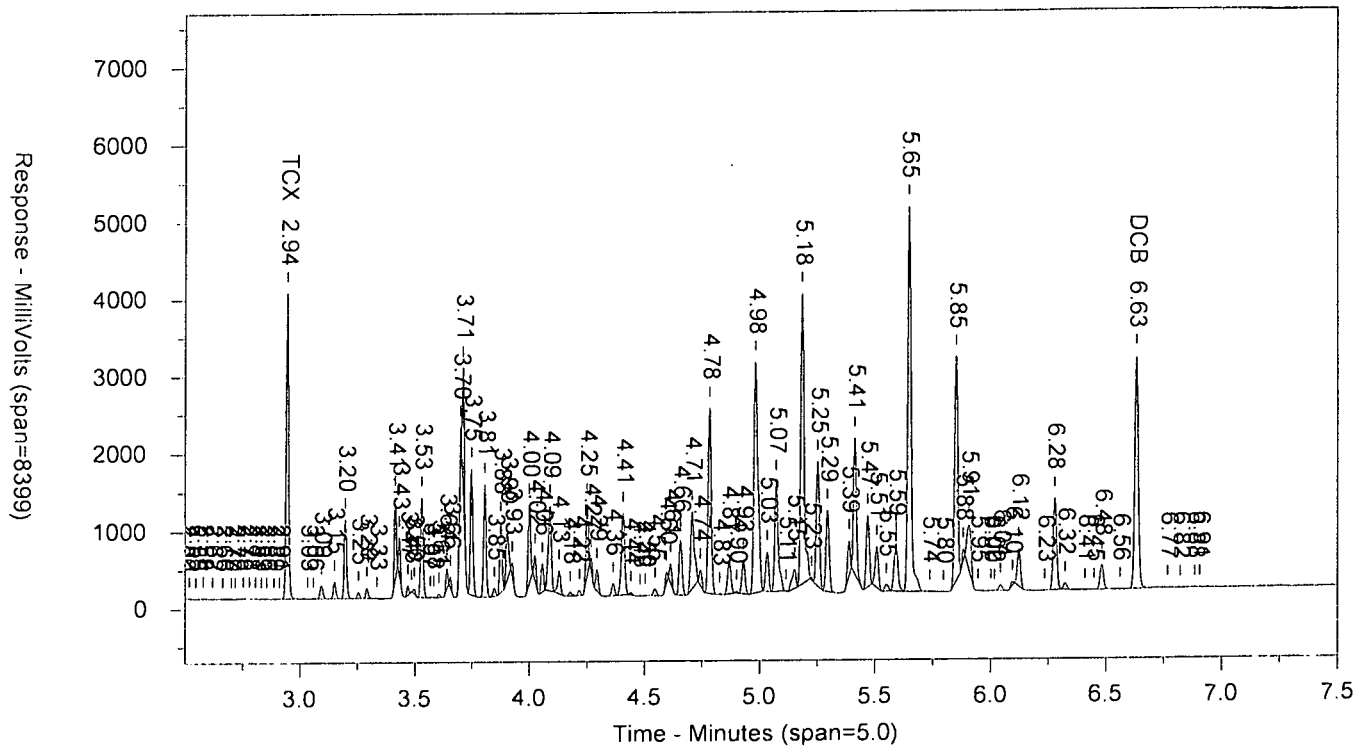

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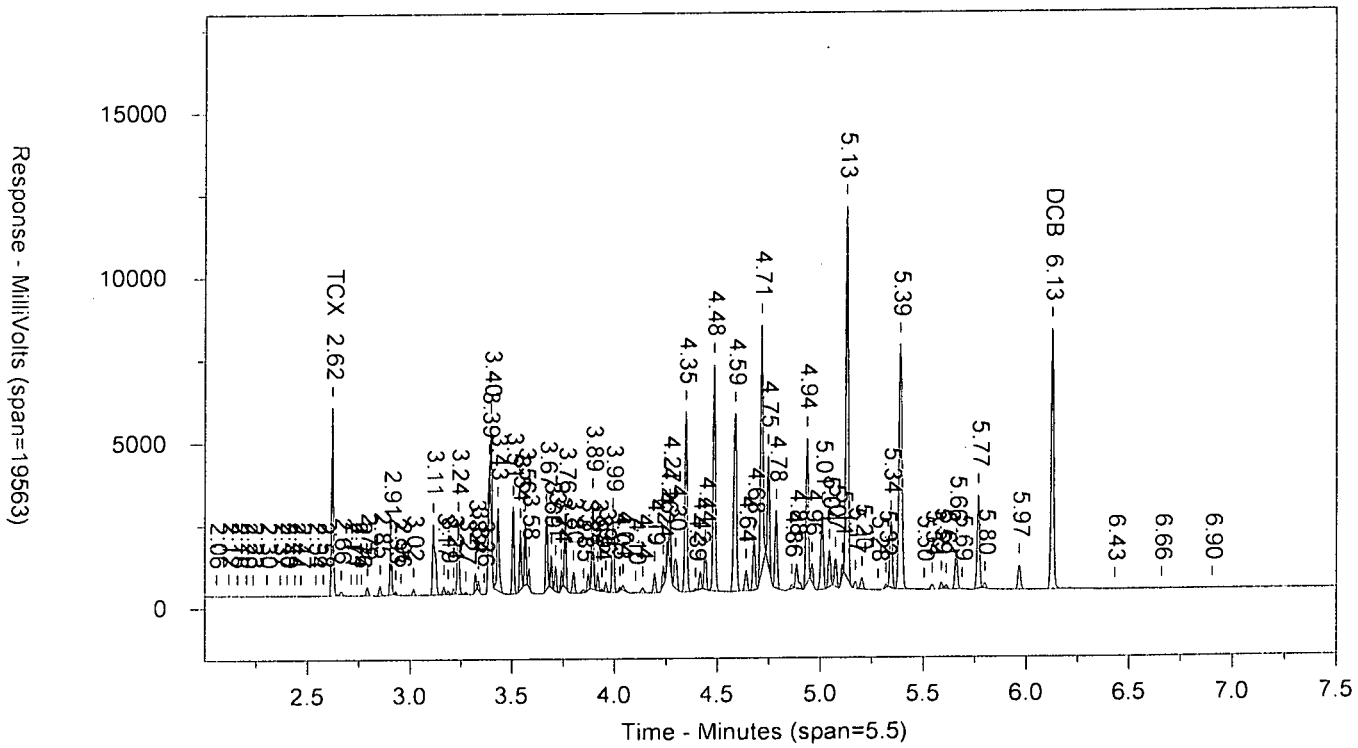

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Data Summary

Sample Name: BLANKA 5/24/17 CAF PBLK11143 BLK Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 24, 2017 23:14:41
Instrument	17342A
Result file	20PCBS17137007.018.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 98% (33 - 137) Conc: 0.285953
%SSR(DCB) 85% (10 - 148) Conc: 0.249835

Analysis Report (B)

Injected on	May 24, 2017 23:14:41
Instrument	17342B
Result file	20PCBS17137007B.018.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 97% (33 - 137) Conc: 0.283039
%SSR(DCB) 86% (10 - 148) Conc: 0.252773

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	4061974	0.285953	Tetrachloro-m-xylene	2.59	2.61	2.65	24458370	0.283039
Decachlorobiphenyl	6.58	6.61	6.64	2149091	0.249835	Decachlorobiphenyl	6.08	6.11	6.14	15393210	0.252773

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	0.285953				1.02	
☐ Decachlorobiphenyl	B	0.252773				1.17	

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016			<0.4	<0.08			4	
☐ PCB-1221			<0.4	<0.08			3	
☐ PCB-1232			<0.4	<0.16			4	
☐ PCB-1242			<0.4	<0.08			4	
☐ PCB-1248			<0.4	<0.08			4	
☐ PCB-1254			<0.4	<0.08			4	
☐ PCB-1260			<0.4	<0.12			4	
☐ PCB-1262			<0.4	<0.16			4	
☐ PCB-1268			<0.4	<0.128			4	
☐ Total PCBs			<0.4	<0.08				

Units: ug/l

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 26 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 26 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/24/17 CAF PBLK11143 Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 24, 2017 23:14:41
Instrument : CP20--17342A
Result file : 20PCBS17137007.018.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 98% (33-137) Conc.: 0.285953
%SSR(DCB) : 85% (10-148) Conc.: 0.249835

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**61.71**	
3.16	3.19	3.20	1825.678	0.007118			1
3.37	3.40	3.41	1025.183	0.003914			2
3.49	3.53	3.53	859.7653	0.002916			3
3.71	3.73	3.75	787.281	0.00241			4
3.76	3.79	3.80	2713.285	0.010154			5
Height Summation:			**7211.1923**				
Amount Avg CF:			**0.005303**	Linear:			
Aroclor-1221					**2**	**136.54**	
3.11	3.12	3.15	32169.79	0.302865			2
3.16	3.19	3.20	1825.678	0.00532			3
Height Summation:			**33995.468**				
Amount Avg CF:			**0.154093**	Linear:			
Aroclor-1232					**5**	**77.86**	
3.16	3.19	3.20	1825.678	0.005931			1
3.38	3.40	3.42	1025.183	0.008277			2
3.49	3.53	3.53	859.7653	0.006326			3
3.71	3.73	3.75	787.281	0.00534			4
3.77	3.79	3.81	2713.285	0.023476			5
Height Summation:			**7211.1923**				
Amount Avg CF:			**0.00987**	Linear:			
Aroclor-1242					**5**	**63.85**	
3.16	3.19	3.20	1825.678	0.008309			1
3.38	3.40	3.42	1025.183	0.004725			2
3.49	3.53	3.53	859.7653	0.003619			3
3.71	3.73	3.75	787.281	0.002946			4
3.77	3.79	3.81	2713.285	0.012966			5
Height Summation:			**7211.1923**				
Amount Avg CF:			**0.006513**	Linear:			
Aroclor-1248					**3**	**62.74**	
3.76	3.79	3.80	2713.285	0.018703			1
3.83	3.85	3.87	1050.519	0.003982			2
4.05	4.08	4.09	5229.416	0.020246			4
Height Summation:			**8993.22**				
Amount Avg CF:			**0.01431**	Linear:			
Aroclor-1254					**2**	**64.67**	
4.55	4.57	4.59	1614.889	0.004454			2
4.83	4.85	4.87	802.6323	0.001659			5
Height Summation:			**2417.5213**				
Amount Avg CF:			**0.003057**	Linear:			
Aroclor-1260					**2**	**77.90**	
5.03	5.04	5.07	3099.414	0.010708			2
5.82	5.84	5.86	1633.31	0.003102			6
Height Summation:			**4732.724**				
Amount Avg CF:			**0.006905**	Linear:			
Aroclor-1262					**1**		
5.81	5.84	5.85	1633.31	0.002426			4
Height Summation:			**1633.31**				
Amount Avg CF:			**0.002426**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 23:14:41
Instrument : CP20--17342B
Result file : 20PCBS17137007B.018.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 97% (33-137) Conc.: 0.283039
%SSR(DCB) : 86% (10-148) Conc.: 0.252773

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**66.27**	
2.88	2.90	2.92	5092.43	0.003603			1
3.21	3.23	3.25	3100.919	0.001765			2
3.63	3.64	3.67	9607.764	0.005479			5
3.72	3.76	3.76	14604.65	0.009719			6
Height Summation:			**32405.763**				
Amount Avg CF:			**0.005141**	Linear:			
Aroclor-1221					**3**	**101.49**	
2.77	2.79	2.81	4817.396	0.006458			1
2.83	2.84	2.87	10690.57	0.023249			2
+ 2.83	2.85	2.87	5489.074	0.011937			2
2.88	2.90	2.92	5092.43	0.00267			3
Height Summation:			**20600.396**				
Amount Avg CF:			**0.010792**	Linear:			
Aroclor-1232					**4**	**174.99**	
2.88	2.90	2.92	5092.43	0.002949			1
3.21	3.23	3.25	3100.919	0.003716			2
3.66	3.67	3.70	68769.33	0.274504			5
3.73	3.76	3.77	14604.65	0.022236			6
Height Summation:			**91567.329**				
Amount Avg CF:			**0.075851**	Linear:			
Aroclor-1242					**4**	**131.67**	
2.88	2.90	2.92	5092.43	0.00419			1
3.21	3.23	3.25	3100.919	0.002136			2
+ 3.64	3.64	3.68	9607.764	0.007153			5
3.64	3.67	3.68	68769.33	0.051201			5
3.73	3.76	3.77	14604.65	0.012139			6
Height Summation:			**91567.329**				
Amount Avg CF:			**0.017417**	Linear:			
Aroclor-1248					**5**	**66.37**	
3.51	3.52	3.55	3415.428	0.00174			2
3.63	3.64	3.67	9607.764	0.003917			3
+ 3.72	3.72	3.76	13603.79	0.007681			4
3.72	3.76	3.76	14604.65	0.008246			4
3.86	3.87	3.90	5415.873	0.001614			5
4.22	4.24	4.26	9480.815	0.006392			6
Height Summation:			**42524.53**				
Amount Avg CF:			**0.004382**	Linear:			
Aroclor-1254					**4**	**24.59**	
4.22	4.24	4.26	9480.815	0.002045			2
4.31	4.33	4.35	5691.206	0.002639			3
4.38	4.39	4.42	4847.54	0.001555			4
4.60	4.61	4.64	5985.723	0.002737			6
Height Summation:			**26005.284**				
Amount Avg CF:			**0.002244**	Linear:			
Aroclor-1260					**4**	**32.34**	
4.31	4.33	4.35	5691.206	0.001613			1
4.55	4.56	4.59	3888.563	0.001161			3
4.90	4.91	4.94	3980.042	0.001546			4
5.09	5.11	5.13	4249.676	0.000728			5
Height Summation:			**17809.487**				
Amount Avg CF:			**0.001262**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/24/17 CAF PBLK11143 Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 24, 2017 23:14:41
Instrument : CP20--17342A
Result file : 20PCBS17137007.018.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**141.68**	
5.81	5.84	5.85	1633.31	0.001091			1
6.00	6.02	6.04	31124.36	0.025549			3
6.07	6.09	6.11	30400.26	0.108847			4
6.45	6.47	6.49	23600.96	0.005993			6

Height Summation: **86758.89**
Amount Avg CF: **0.03537** Linear:

Analysis Report (B)

Injected on : May 24, 2017 23:14:41
Instrument : CP20--17342B
Result file : 20PCBS17137007B.018.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**26.65**	
4.90	4.91	4.94	3980.042	0.000988			2
5.09	5.11	5.13	4249.676	0.000554			3
5.31	5.32	5.35	2495.364	0.000786			4
5.73	5.74	5.77	1685.356	0.000609			6

Height Summation: **12410.438**
Amount Avg CF: **0.000734** Linear:

Aroclor-1268					**5**	**167.69**	
5.31	5.32	5.35	2495.364	0.000241			1
5.51	5.53	5.55	219786.8	0.024424			3
5.57	5.59	5.61	253169.1	0.116364			4
5.73	5.74	5.77	1685.356	0.000478			5
5.93	5.95	5.97	165497.1	0.006176			6

Height Summation: **642633.72**
Amount Avg CF: **0.029537** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0.4	0.08		3.09	4	40	
Aroclor-1221			0.4	0.08		** 173.82	3	5	
Aroclor-1232			0.4	0.16		** 153.94	4	10	
Aroclor-1242			0.4	0.08		** 91.13	4	30	
Aroclor-1248			0.4	0.08		** 106.23	4	40	
Aroclor-1254			0.4	0.08		30.66	4	40	
Aroclor-1260			0.4	0.12		** 138.19	4	40	
Aroclor-1262			0.4	0.16		** 107.06	4	40	
Aroclor-1268			0.4	0.128		17.97	4	40	

Units: ug/l

LANCASTER LABORATORIES

Sample Number: BLANKA 5/24/17 CAF ACPBLK11143 BLK 171430011A 10227 SW-846 8082
Injected On: 5/24/2017 11:14:41 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.018.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		10818	12539
2.13		5869	3600
2.218		13443	9976
2.31		7502	4429
2.328		6264	3838
2.387		4618	4581
2.425		1741	1479
2.475		2295	1415
2.566		1832	2086
2.649		1040	678
2.829		1985	1680
2.876		7524	5034
2.924	TCX	4061974	2652013
3.042		2622	2280
3.119		32170	22320
3.192		1826	1471
3.236		1668	1075
3.254		4131	2405
3.398		1025	1585
3.468		766	984
3.529		860	510
3.575		1401	1742
3.664		1831	1610
3.73		787	955
3.791		2713	2607
3.847		1051	646
4.013		637	1116
4.08		5229	4240
4.168		1989	1400
4.192		2093	2148
4.296		7692	11130
4.381		1821	2112
4.514		1468	2329
4.572		1615	1629
4.716		897	953
4.854		803	836
4.877		6264	5106
4.928		1300	2795
5.042		3099	4193
5.118		12671	12610
5.28		906	1357
5.431		69255	88004
5.53		12301	12182
5.651		23598	22611
5.836		1633	2104
6.023		31124	31150
6.088		30400	26633
6.226		861	2689
6.466		23601	24228
6.611	DCB	2149091	2228552
7.138		597	577
7.508		578	1968
7.739		636	1415
8.261		559	3348

RT A	Compound A	Height A	Area A
8.681		3318	4282

LANCASTER LABORATORIES

Sample Number: BLANKA 5/24/17 CAF ACPBLK11143 BLK 171430011A 10227 SW-846 8082
Injected On: 5/24/2017 11:14:41 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.018.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		6418	4933
2.053		44912	30824
2.096		16543	8486
2.114		32584	17658
2.141		2597	875
2.157		7468	4273
2.236		17375	27946
2.322		6186	6526
2.365		9007	8503
2.394		4887	5229
2.477		4464	3715
2.533		5269	3769
2.615	TCX	24458370	14169850
2.678		10200	6335
2.79		4817	2556
2.812		179341	108722
2.836		10691	5932
2.853		5489	4921
2.899		5092	8170
2.922		15227	8947
2.948		24667	12672
2.993		5183	6515
3.116		4106	5529
3.173		7155	7958
3.228		3101	1668
3.249		4653	6086
3.324		19124	13097
3.353		2349	1478
3.377		5049	4146
3.453		4273	7944
3.524		3415	2665
3.554		3285	2784
3.591		17974	13715
3.642		9608	10664
3.673		68769	49954
3.723		13604	49525
3.759		14605	11918
3.813		2075	2461
3.874		5416	6145
3.935		19804	13010
3.972		4852	6323
4.006		7504	4649
4.071		29786	24764
4.151		14805	24615
4.205		11267	20522
4.235		9481	11188
4.327		5691	4825
4.394		4848	3130
4.438		41054	31071
4.532		2708	5746
4.564		3889	2751
4.615		5986	4748
4.642		9941	6872
4.667		60711	44051

RT B	Compound B	Height B	Area B
4.693		5875	4613
4.839		396406	400999
4.915		3980	2834
4.983		7556	8225
5.06		72457	77814
5.108		4250	3434
5.183		161510	131040
5.324		2495	2103
5.44		1933	1236
5.525		219787	191654
5.593		253169	219975
5.643		68653	58943
5.672		3324	2070
5.744		1685	1601
5.948		165497	137723
5.979		4856	3317
6.107	DCB	15393210	13531950
7.331		845	3110
7.476		1745	2344
7.539		2378	3906
7.719		1896	1741
7.774		2569	2737
7.917		1544	1289
8.05		1868	1940
8.212		18187	35185

BLANKA 5/24/17 CAF ACPBLK11143 BLK 171430011A 10227 SW-846 80

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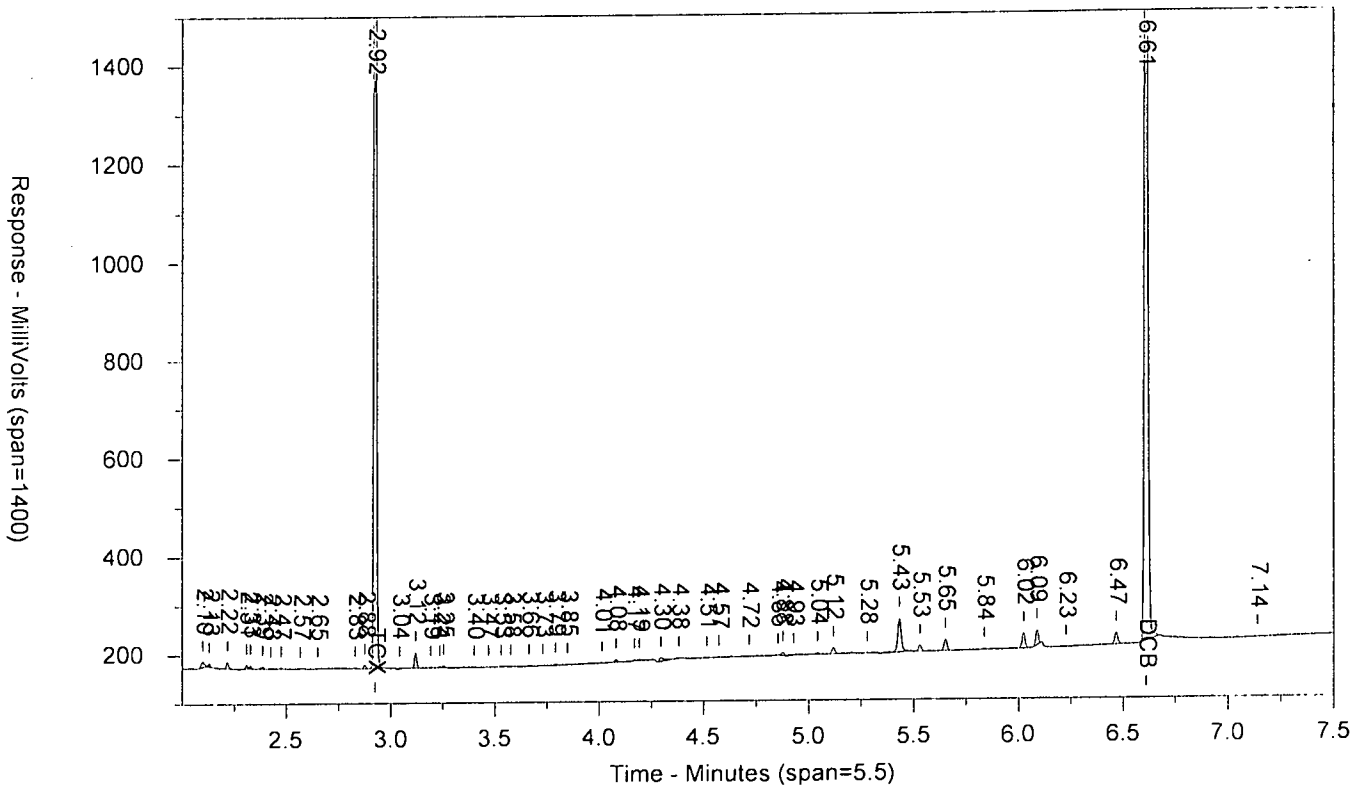

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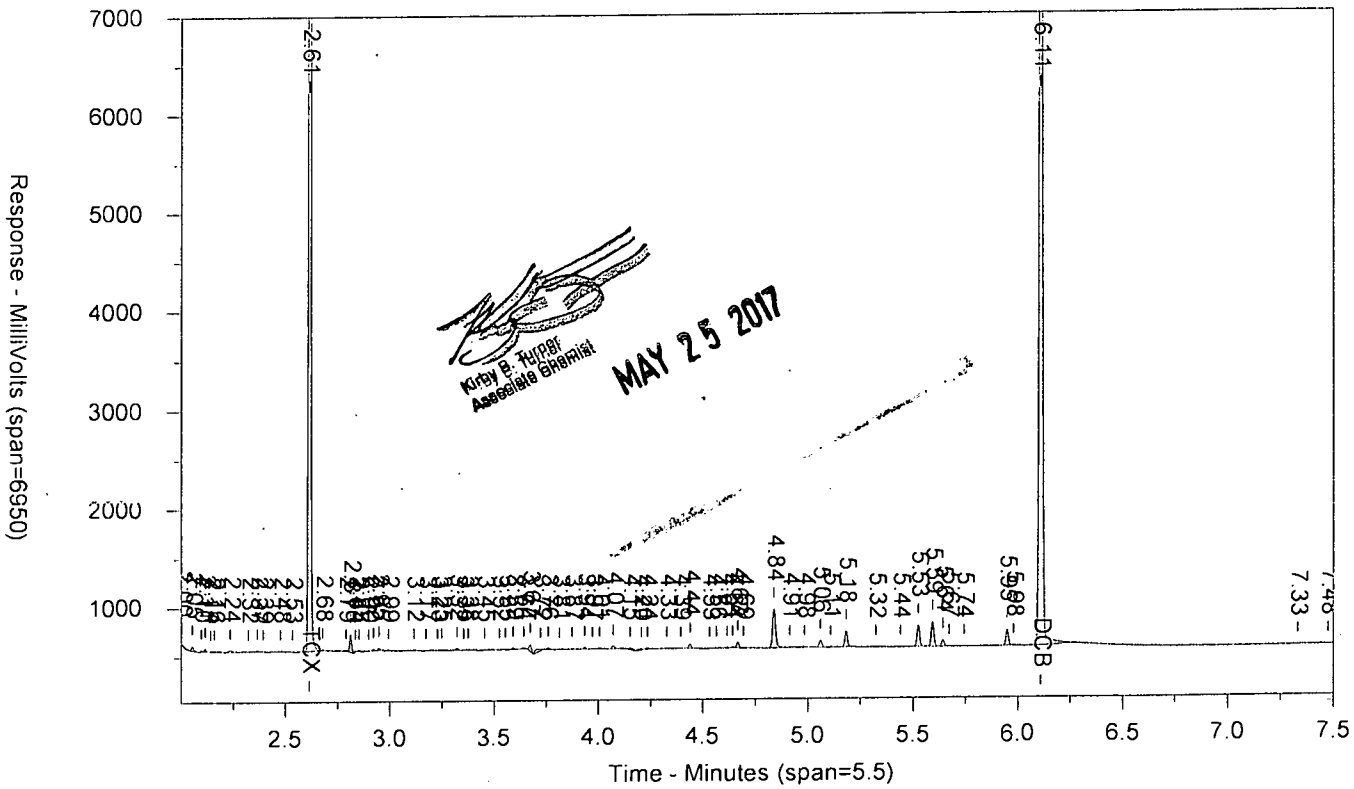

Kirby B. Turner
Associate Chemist
MAY 25 2017

LANCASTER LABORATORIES

Sample Number: BLANKA 5/24/17 CAF ACPBLK11143 BLK 171430011A 10227 SW-846 8082
Injected On: 5/24/2017 11:14:41 PM Sample Weight: 250
Instrument ID: CP20-17342 Dilution Factor: 2
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4061974	.286	TCX	2.615	24458370	.283	TCX
6.611	2149091	.25	DCB	6.107	15393210	.253	DCB

Files:
Area File: 20pcbs17137007.018.RAW
Area File: 20pcbs17137007B.018.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 11:23:25 PM
File Reported On: 5/24/2017 at 11:23:34 PM

BLANKA 5/24/17 CAF ACPBLK11143 BLK 171430011A 10227 SW-846 80

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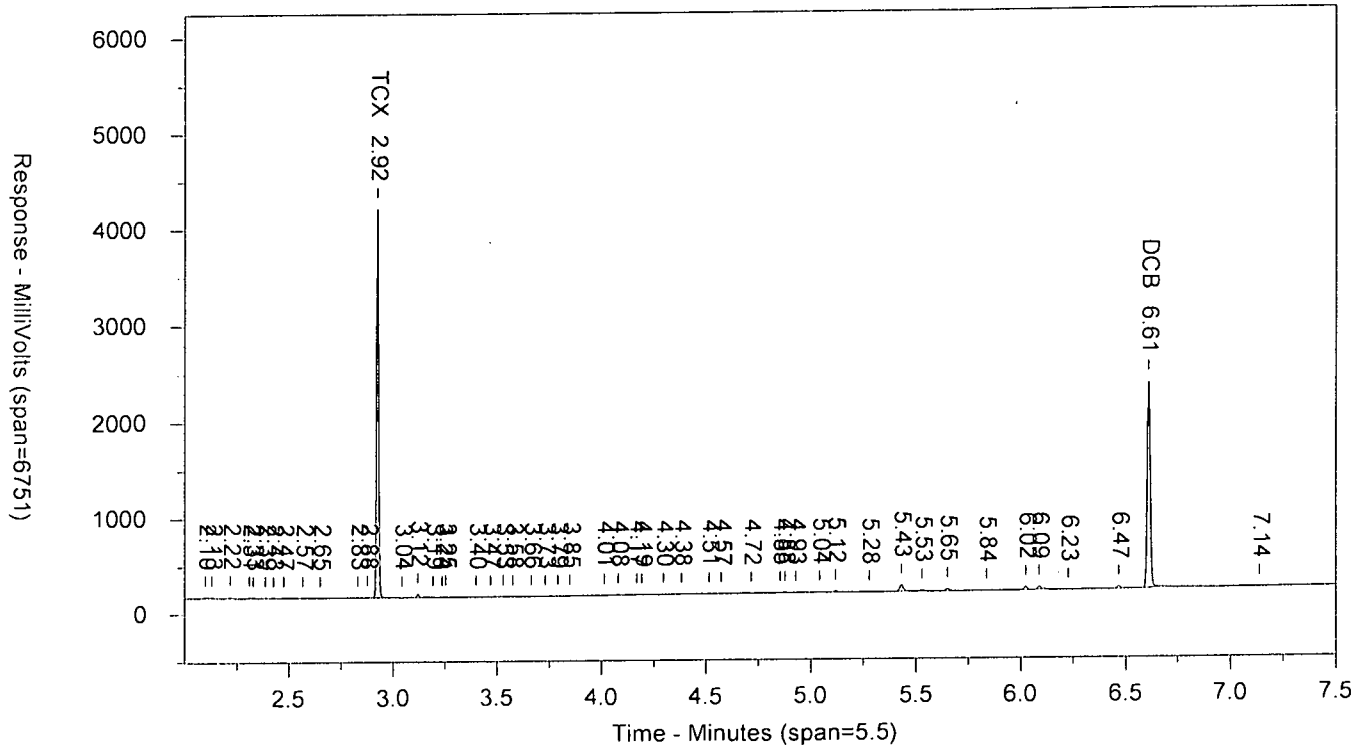

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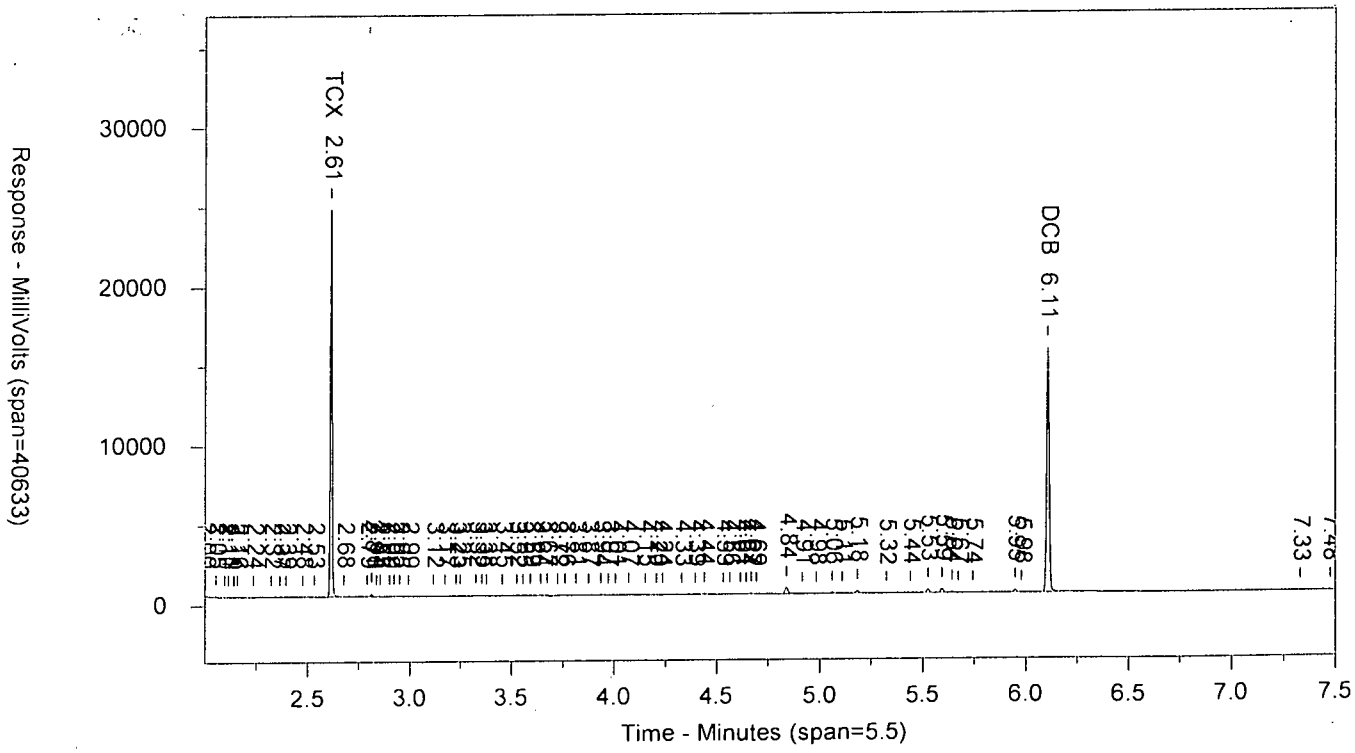

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Data Summary

Sample Name: LCSA 5/24/17 CAF LCS11143 LCS Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 24, 2017 23:26:13
Instrument	17342A
Result file	20PCBS17137007.019.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 105% (33 - 137) Conc: 0.306326
%SSR(DCB) 77% (10 - 148) Conc: 0.224975

Analysis Report (B)

Injected on	May 24, 2017 23:26:13
Instrument	17342B
Result file	20PCBS17137007B.019.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 105% (33 - 137) Conc: 0.306474
%SSR(DCB) 81% (10 - 148) Conc: 0.236744

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	4351386	0.306326
Decachlorobiphenyl	6.58	6.61	6.64	1935249	0.224975

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	26483560	0.306474
Decachlorobiphenyl	6.08	6.11	6.14	14417060	0.236744

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	0.306474				0.05	
☐ Decachlorobiphenyl	B	0.236744				5.10	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.98**	
3.16	3.18	3.20	1203692	4.693046			1
3.37	3.40	3.41	1217004	4.646826			2
3.49	3.51	3.53	1363088	4.622879			3
3.71	3.73	3.75	1624975	4.974193			4
3.76	3.79	3.80	1294517	4.844745			5
3.96	3.98	4.00	1044654	4.875931			6
Height summation:			**7747930**				
Concentration		CF:	**4.77627**	L:			
Aroclor-1260						**4.95**	
4.73	4.76	4.77	2625582	5.011951			1
5.03	5.05	5.07	1462078	5.051133			2
5.20	5.23	5.24	1669887	4.926985			3
5.37	5.39	5.41	1720217	4.448271			4
5.61	5.63	5.65	4799788	5.120114			5
5.82	5.84	5.86	2542161	4.827339			6
Height summation:			**14819713**				
Concentration		CF:	**4.897632**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.76**	
2.88	2.90	2.92	6471806	4.578721			1
3.21	3.23	3.25	8307504	4.729549			2
3.40	3.42	3.44	8806905	4.98976			3
3.47	3.49	3.51	10425640	4.994857			4
3.63	3.65	3.67	8765522	4.998311			5
3.72	3.74	3.76	7520371	5.004444			6
Height summation:			**50297748**				
Concentration		CF:	**4.882607**	L:			
Aroclor-1260						**3.84**	
4.31	4.33	4.35	18512730	5.245564			1
4.44	4.46	4.48	22026420	5.292424			2
4.55	4.57	4.59	17536360	5.237063			3
4.90	4.92	4.94	13681850	5.315563			4
5.09	5.11	5.13	32460940	5.557208			5
5.35	5.37	5.39	19251390	4.92674			6
Height summation:			**123469690**				
Concentration		CF:	**5.262427**	L:			

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Data Summary

Sample Name: LCSA 5/24/17 CAF LCS11143 LCS Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 24, 2017 23:26:13
Instrument	17342A
Result file	20PCBS17137007.019.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

Analysis Report (B)

Injected on	May 24, 2017 23:26:13
Instrument	17342B
Result file	20PCBS17137007B.019.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	4.882607	0.4	0.08		2.20	4	
☐ PCB-1221			<0.4	<0.08			3	
☐ PCB-1232			<0.4	<0.16			4	
☐ PCB-1242			<0.4	<0.08			4	
☐ PCB-1248			<0.4	<0.08			4	
☐ PCB-1254			<0.4	<0.08			4	
☐ PCB-1260	B	5.262427	0.4	0.12		7.18	4	
☐ PCB-1262			<0.4	<0.16			4	
☐ PCB-1268			<0.4	<0.128			4	
☐ Total PCBs	A	10.145034	0.4	0.08				

Units: ug/l

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 26 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 26 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/24/17 CAF LCS11143 Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 24, 2017 23:26:13
Instrument : CP20--17342A
Result file : 20PCBS17137007.019.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 105% (33-137) Conc.: 0.306326
%SSR(DCB) : 77% (10-148) Conc.: 0.224975

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.98	
3.16	3.18	3.20	1203692	4.693046			1
3.37	3.40	3.41	1217004	4.646826			2
+ 3.37	3.41	3.41	534109.9	2.039365			2
3.49	3.51	3.53	1363088	4.622879			3
3.71	3.73	3.75	1624975	4.974193			4
3.76	3.79	3.80	1294517	4.844745			5
3.96	3.98	4.00	1044654	4.875931			6
Height Summation:			7747930				
Amount Avg CF:			4.77627	Linear:			
Aroclor-1221					3	36.44	
E 3.06	3.08	3.10	211447.8	1.720979			1
+ 3.11	3.12	3.15	8998.325	0.084716			2
E 3.11	3.13	3.15	243008.4	2.287824			2
E 3.16	3.18	3.20	1203692	3.507833			3
Height Summation:			1658148.2				
Amount Avg CF:			2.505545	Linear:			
Aroclor-1232					6	29.99	
E 3.16	3.18	3.20	1203692	3.910586			1
E 3.38	3.40	3.42	1217004	9.825965			2
E+ 3.38	3.41	3.42	534109.9	4.312348			2
E 3.49	3.51	3.53	1363088	10.03005			3
E 3.71	3.73	3.75	1624975	11.022414			4
E 3.77	3.79	3.81	1294517	11.200289			5
E 3.96	3.98	4.00	1044654	11.692431			6
Height Summation:			7747930				
Amount Avg CF:			9.613622	Linear:			
Aroclor-1242					6	5.05	
E 3.16	3.18	3.20	1203692	5.478175			1
E 3.38	3.40	3.42	1217004	5.609008			2
E+ 3.38	3.41	3.42	534109.9	2.461641			2
E 3.49	3.51	3.53	1363088	5.73728			3
E 3.71	3.73	3.75	1624975	6.0799			4
E 3.77	3.79	3.81	1294517	6.186202			5
E 3.96	3.98	4.00	1044654	6.106677			6
Height Summation:			7747930				
Amount Avg CF:			5.866207	Linear:			
Aroclor-1248					6	49.16	
E 3.76	3.79	3.80	1294517	8.923281			1
3.83	3.85	3.87	898294.2	3.404861			2
3.96	3.98	4.00	1044654	3.362197			3
4.05	4.07	4.09	1077166	4.170413			4
4.23	4.23	4.27	1152410	3.766404			5
+ 4.23	4.25	4.27	273014.6	0.892289			5
4.61	4.63	4.65	730079.3	3.25502			6
Height Summation:			6197120.5				
Amount Avg CF:			4.480363	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 23:26:13
Instrument : CP20--17342B
Result file : 20PCBS17137007B.019.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 105% (33-137) Conc.: 0.306474
%SSR(DCB) : 81% (10-148) Conc.: 0.236744

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.76	
2.88	2.90	2.92	6471806	4.578721			1
3.21	3.23	3.25	8307504	4.729549			2
+ 3.40	3.40	3.44	350954.9	0.198842			3
3.40	3.42	3.44	8806905	4.98976			3
3.47	3.49	3.51	10425640	4.994857			4
3.63	3.65	3.67	8765522	4.998311			5
+ 3.72	3.73	3.76	1932952	1.286286			6
3.72	3.74	3.76	7520371	5.004444			6
Height Summation:			50297748				
Amount Avg CF:			4.882607	Linear:			
Aroclor-1221					3	31.42	
E 2.77	2.78	2.81	1306370	1.751299			1
E 2.83	2.85	2.87	1336252	2.905957			2
E 2.88	2.90	2.92	6471806	3.392751			3
Height Summation:			9114428				
Amount Avg CF:			2.683336	Linear:			
Aroclor-1232					6	32.24	
E 2.88	2.90	2.92	6471806	3.747794			1
E 3.21	3.23	3.25	8307504	9.954046			2
+ 3.40	3.40	3.44	350954.9	0.470027			3
E 3.40	3.42	3.44	8806905	11.794919			3
E 3.47	3.49	3.51	10425640	11.365079			4
E 3.66	3.68	3.70	3207764	12.804311			5
E+ 3.66	3.70	3.70	2859278	11.413273			5
E+ 3.73	3.73	3.77	1932952	2.942944			6
E 3.73	3.74	3.77	7520371	11.449861			6
Height Summation:			44739990				
Amount Avg CF:			10.186002	Linear:			
Aroclor-1242					6	7.48	
E 2.88	2.90	2.92	6471806	5.325132			1
E 3.21	3.23	3.25	8307504	5.723639			2
+ 3.40	3.40	3.44	350954.9	0.245884			3
E 3.40	3.42	3.44	8806905	6.170255			3
E 3.47	3.49	3.51	10425640	6.391018			4
E 3.64	3.65	3.68	8765522	6.526227			5
E+ 3.73	3.73	3.77	1932952	1.606684			6
E 3.73	3.74	3.77	7520371	6.250987			6
Height Summation:			50297748				
Amount Avg CF:			6.064543	Linear:			
Aroclor-1248					6	73.12	
+ 3.40	3.40	3.44	350954.9	0.504162			1
E 3.40	3.42	3.44	8806905	12.651506			1
3.51	3.53	3.55	6824645	3.476054			2
3.63	3.65	3.67	8765522	3.573505			3
+ 3.72	3.73	3.76	1932952	1.091344			4
3.72	3.74	3.76	7520371	4.245997			4
3.86	3.87	3.90	10311320	3.073647			5
+ 4.22	4.22	4.26	1717254	1.157752			6
+ 4.22	4.24	4.26	2098253	1.414617			6
4.22	4.25	4.26	5231738	3.527176			6
Height Summation:			47460501				
Amount Avg CF:			5.091314	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/24/17 CAF LCS11143 Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 24, 2017 23:26:13
Instrument : CP20--17342A
Result file : 20PCBS17137007.019.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	110.51	
4.21	4.23	4.25	1152410	3.19448			1
+ 4.55	4.57	4.59	79219.79	0.218511			2
4.55	4.59	4.59	233001	0.642683			2
4.61	4.63	4.65	730079.3	0.997066			3
E 4.73	4.76	4.77	2625582	11.946243			4
4.83	4.85	4.87	388445.5	0.802763			5
5.14	5.17	5.18	3636998	7.317001			6
Height Summation:			**8766515.8**				
Amount Avg CF:			**4.150039**	Linear:			
Aroclor-1260					6	4.95	
4.73	4.76	4.77	2625582	5.011951			1
5.03	5.05	5.07	1462078	5.051133			2
5.20	5.23	5.24	1669887	4.926985			3
+ 5.37	5.37	5.41	73692.59	0.19056			4
5.37	5.39	5.41	1720217	4.448271			4
5.61	5.63	5.65	4799788	5.120114			5
5.82	5.84	5.86	2542161	4.827339			6
Height Summation:			**14819713**				
Amount Avg CF:			**4.897632**	Linear:			
Aroclor-1262					6	41.24	
E 5.21	5.23	5.24	1669887	2.675998			1
+ 5.37	5.37	5.41	73692.59	0.14618			2
E 5.37	5.39	5.41	1720217	3.412301			2
E 5.61	5.63	5.65	4799788	3.939249			3
E 5.81	5.84	5.85	2542161	3.775259			4
+ 5.87	5.87	5.91	252741.9	0.757668			5
5.87	5.89	5.91	274321.2	0.822358			5
E 6.25	6.27	6.29	940475.7	2.317428			6
Height Summation:			**11946849.9**				
Amount Avg CF:			**2.823766**	Linear:			
Aroclor-1268					6	122.78	
E 5.81	5.84	5.85	2542161	1.697756			1
+ 5.87	5.87	5.91	252741.9	0.193454			2
5.87	5.89	5.91	274321.2	0.209971			2
6.00	6.02	6.04	62773.7	0.051528			3
6.07	6.09	6.11	74919.11	0.268245			4
E 6.25	6.27	6.29	940475.7	1.869021			5
6.45	6.47	6.49	237446.5	0.060299			6
Height Summation:			**4132097.21**				
Amount Avg CF:			**0.692803**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 23:26:13
Instrument : CP20--17342B
Result file : 20PCBS17137007B.019.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	125.15	
4.16	4.17	4.19	2070762	0.79242			1
+ 4.22	4.22	4.26	1717254	0.370356			2
+ 4.22	4.24	4.26	2098253	0.452526			2
4.22	4.25	4.26	5231738	1.128318			2
E 4.31	4.33	4.35	18512730	8.582784			3
4.38	4.40	4.42	1842886	0.591239			4
E 4.44	4.46	4.48	22026420	12.271151			5
4.60	4.62	4.64	2109011	0.964444			6
Height Summation:			**51793547**				
Amount Avg CF:			**4.055059**	Linear:			
Aroclor-1260					6	3.84	
4.31	4.33	4.35	18512730	5.245564			1
4.44	4.46	4.48	22026420	5.292424			2
4.55	4.57	4.59	17536360	5.237063			3
4.90	4.92	4.94	13681850	5.315563			4
5.09	5.11	5.13	32460940	5.557208			5
5.35	5.37	5.39	19251390	4.92674			6
Height Summation:			**123469690**				
Amount Avg CF:			**5.262427**	Linear:			
Aroclor-1262					6	28.92	
E 4.71	4.73	4.75	10412580	2.570018			1
E 4.90	4.92	4.94	13681850	3.394766			2
E 5.09	5.11	5.13	32460940	4.234425			3
E 5.31	5.33	5.35	5847113	1.840709			4
E 5.35	5.37	5.39	19251390	3.765192			5
E 5.73	5.75	5.77	7179591	2.594622			6
Height Summation:			**88833464**				
Amount Avg CF:			**3.066622**	Linear:			
Aroclor-1268					6	115.77	
5.31	5.33	5.35	5847113	0.565188			1
E 5.35	5.37	5.39	19251390	1.83796			2
5.51	5.53	5.55	475989.5	0.052896			3
5.57	5.59	5.61	364484	0.167528			4
E 5.73	5.75	5.77	7179591	2.036349			5
5.93	5.95	5.97	1766180	0.065913			6
Height Summation:			**34884747.5**				
Amount Avg CF:			**0.787639**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0.4	0.08		2.20	4	40	
Aroclor-1221			0.4	0.08	E	6.85	3	5	
Aroclor-1232			0.4	0.16	E	5.78	4	10	
Aroclor-1242			0.4	0.08	E	3.32	4	30	
Aroclor-1248			0.4	0.08	E	12.77	4	40	
Aroclor-1254			0.4	0.08	E	2.32	4	40	
Aroclor-1260			0.4	0.12		7.18	4	40	
Aroclor-1262			0.4	0.16	E	8.25	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/24/17 CAF LCS11143 Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 24, 2017 23:26:13
Instrument : CP20--17342A
Result file : 20PCBS17137007.019.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 24, 2017 23:26:13
Instrument : CP20--17342B
Result file : 20PCBS17137007B.019.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			0.4	0.128	E	12.81	4	40	

Units: ug/l

LANCASTER LABORATORIES

Sample Number: LCSA 5/24/17 CAF ACLCS11143 LCS 171430011A 10227 SW-846 8082
Injected On: 5/24/2017 11:26:13 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.019.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		11592	13822
2.13		5763	3622
2.195		1392	863
2.218		13681	9377
2.31		8990	5417
2.329		6549	3918
2.388		2307	2619
2.424		2103	1788
2.475		9163	6878
2.566		16586	13161
2.657		931	1444
2.781		1903	1216
2.83		1228	729
2.876		8193	5230
2.924	TCX	4351386	2872699
3.043		2327	1577
3.077		211448	178827
3.12		8998	4865
3.134		243008	154914
3.182		1203692	844808
3.236		6269	4018
3.256		3868	1875
3.275		154305	106886
3.313		4416	2867
3.397		1217004	722791
3.413		534110	284575
3.45		136876	81440
3.466		38099	15983
3.482		111183	63822
3.512		1363088	1002081
3.548		6635	3678
3.562		4339	2077
3.586		54809	36113
3.623		265876	159941
3.636		137079	66036
3.681		537080	333947
3.692		1652222	812995
3.728		1624975	1194126
3.788		1294517	1023034
3.828		99409	71981
3.855		898294	664965
3.882		682518	560198
3.903		202705	110197
3.979		1044654	759464
4.003		353091	224113
4.033		389228	279557
4.069		1077166	1091394
4.11		320435	258558
4.154		52083	39306
4.193		57274	50196
4.228		1152410	851551
4.248		273015	156078
4.272		311146	218738
4.338		168473	146765

RT A	Compound A	Height A	Area A
4.382		1221901	1099770
4.415		29544	19387
4.479		12191	10438
4.52		128712	128469
4.575		79220	62567
4.589		233001	157760
4.635		730079	671944
4.68		1151528	1241191
4.718		261847	180158
4.756		2625582	2408553
4.801		15405	16828
4.848		388446	436341
4.878		26965	16347
4.904		457087	403444
4.957		3260509	3841577
5.006		506270	464800
5.051		1462078	1596233
5.092		20381	11608
5.129		270558	317752
5.165		3636998	3397513
5.187		103752	53077
5.228		1669887	1537199
5.271		1063861	1009047
5.372		73693	113790
5.392		1720217	1560884
5.45		918634	822496
5.491		472493	427525
5.531		107597	100452
5.576		684929	654432
5.632		4799788	4944556
5.719		3700	4917
5.839		2542161	2648885
5.875		252742	229181
5.892		274321	187993
6.024		62774	65318
6.087		74919	56331
6.11		414159	347658
6.267		940476	978688
6.312		66667	63973
6.467		237447	246148
6.612	DCB	1935249	2002209
6.69		2205	1985
8.683		3061	3877

LANCASTER LABORATORIES

Sample Number: LCSA 5/24/17 CAF ACLCS11143 LCS 171430011A 10227 SW-846 8082
Injected On: 5/24/2017 11:26:13 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.019.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		8476	5857
2.053		46584	31560
2.095		68769	36929
2.114		13122	6580
2.156		33190	22508
2.185		6403	7591
2.235		17700	26250
2.299		69584	43411
2.364		7500	7466
2.395		10849	6362
2.475		5072	3444
2.534		5407	4246
2.571		21201	16851
2.615	TCX	26483560	15375330
2.658		498111	379097
2.733		4153	2954
2.785		1306370	833023
2.812		188901	106914
2.846		1336252	836114
2.898		6471806	3880187
2.922		24866	10296
2.948		34391	23841
3.009		830733	530551
3.054		2280	1002
3.104		5607427	2684781
3.116		2172345	797633
3.156		972142	598651
3.177		498142	278202
3.202		707267	399253
3.226		8307505	5399781
3.263		333912	196842
3.308		2402731	1221945
3.324		1399531	658697
3.35		16026	7490
3.374		4710611	2364674
3.384		11683320	4760501
3.403		350955	126608
3.417		8806905	5823355
3.492		10425640	6276554
3.526		6824645	4162840
3.549		7736644	4124883
3.567		2472404	1207781
3.653		8765522	5552417
3.675		3207764	1678946
3.697		2859278	1698091
3.725		1932952	991473
3.742		7520371	4308547
3.783		2334591	1750314
3.831		395660	336753
3.853		1990141	1175909
3.875		10311320	6322214
3.9		2095493	1238960
3.919		324446	155576
3.938		1078950	663125

RT B	Compound B	Height B	Area B
3.973		8140735	5380680
4.008		374518	230525
4.023		597314	380585
4.084		75808	74955
4.118		634507	684038
4.15		17992	8410
4.175		2070762	1475209
4.218		1717254	1028078
4.236		2098253	996824
4.249		5231738	2852473
4.275		3249373	3210302
4.327		18512730	13416160
4.374		235963	214364
4.397		1842886	1212635
4.421		4015131	2860428
4.464		22026420	16663650
4.567		17536360	16381080
4.62		2109011	1747667
4.658		4643155	3865417
4.695		22006270	18249810
4.727		10412580	7012601
4.766		7332602	5725194
4.84		253879	185303
4.865		2352121	2382085
4.916		13681850	10414380
4.94		1708131	1097082
4.99		6597123	5958035
5.027		3423708	2678783
5.056		2545935	2078711
5.088		1134808	687355
5.11		32460940	26012870
5.152		617384	480662
5.184		1114876	922338
5.225		13821	7496
5.26		10403	8638
5.302		318107	198705
5.325		5847113	4816018
5.37		19251390	21176060
5.466		5388	3628
5.526		475990	409599
5.571		536372	396496
5.595		364484	269538
5.643		3252285	2768443
5.75		7179591	6006818
5.781		401692	294529
5.949		1766180	1535804
6.059		3351	2974
6.107	DCB	14417060	12376960
7.123		2468	3647
7.24		1727	1592
7.6		1863	2083
7.844		2762	4652
8.044		1819	3007
8.213		19639	35761
8.493		1276	3562
8.683		3713	5966

LCSA 5/24/17 CAF ACLCS11143 LCS 171430011A 10227 SW-846 8082

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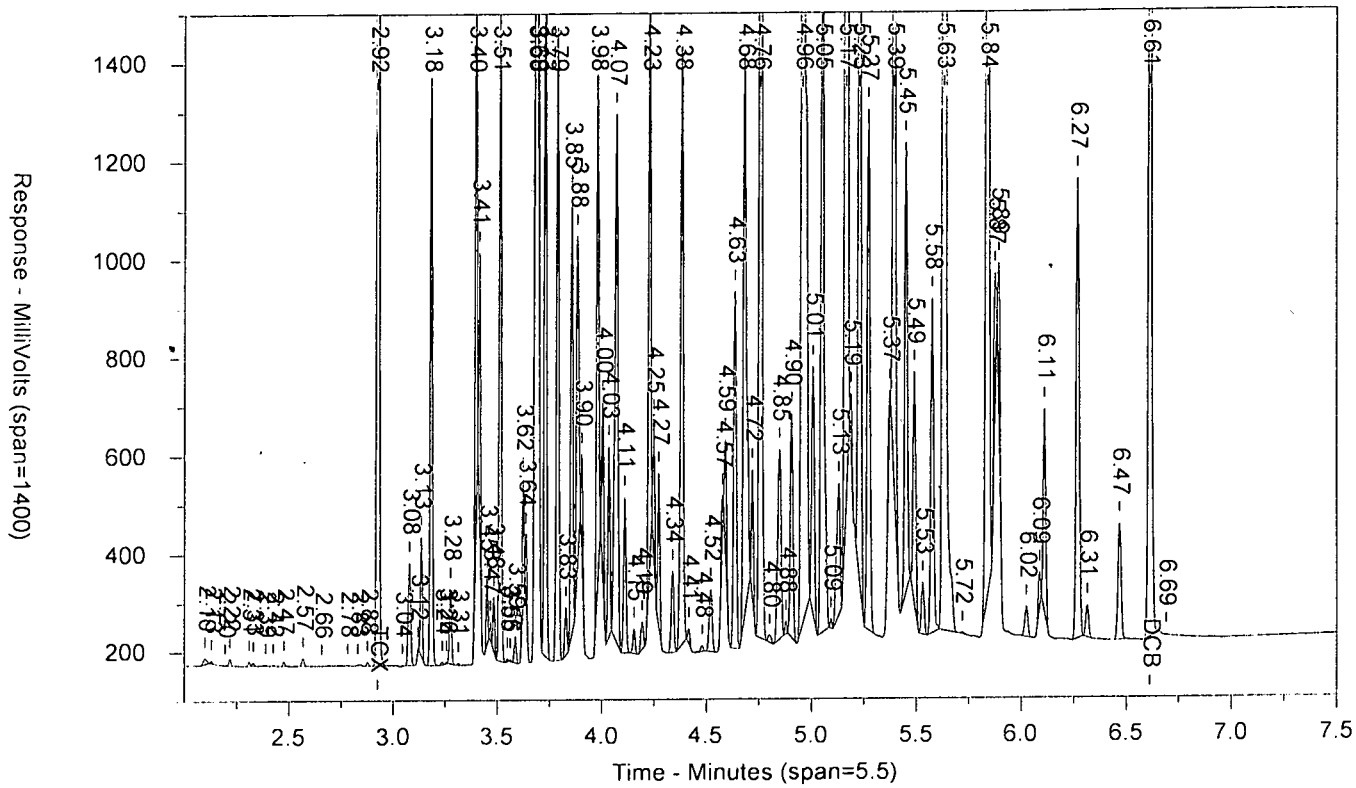

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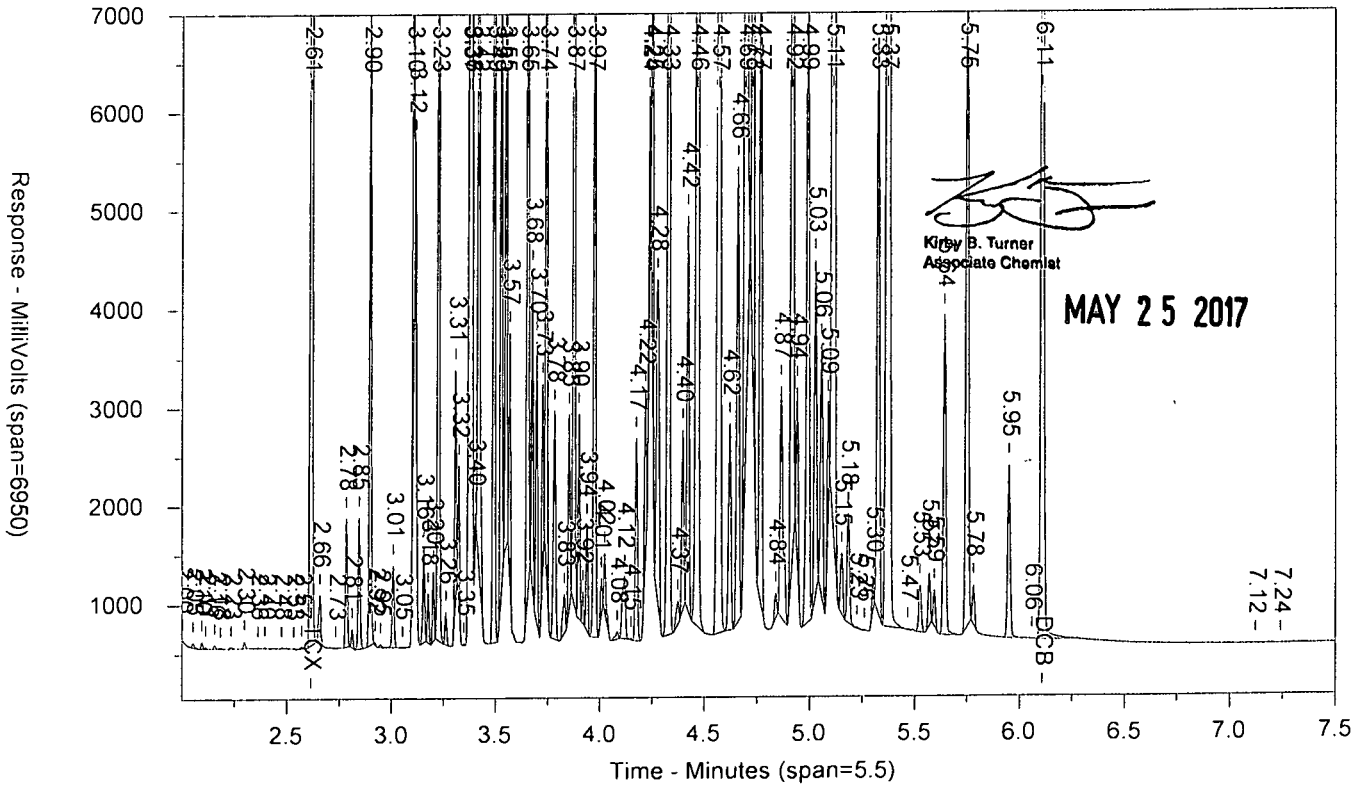


Kirby B. Turner
Associate Chemist

MAY 25 2017

LANCASTER LABORATORIES

Sample Number: LCSA 5/24/17 CAF ACLCS11143 LCS 171430011A 10227 SW-846 8082
Injected On: 5/24/2017 11:26:13 PM Sample Weight: 250
Instrument ID: CP20-17342 Dilution Factor: 2
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

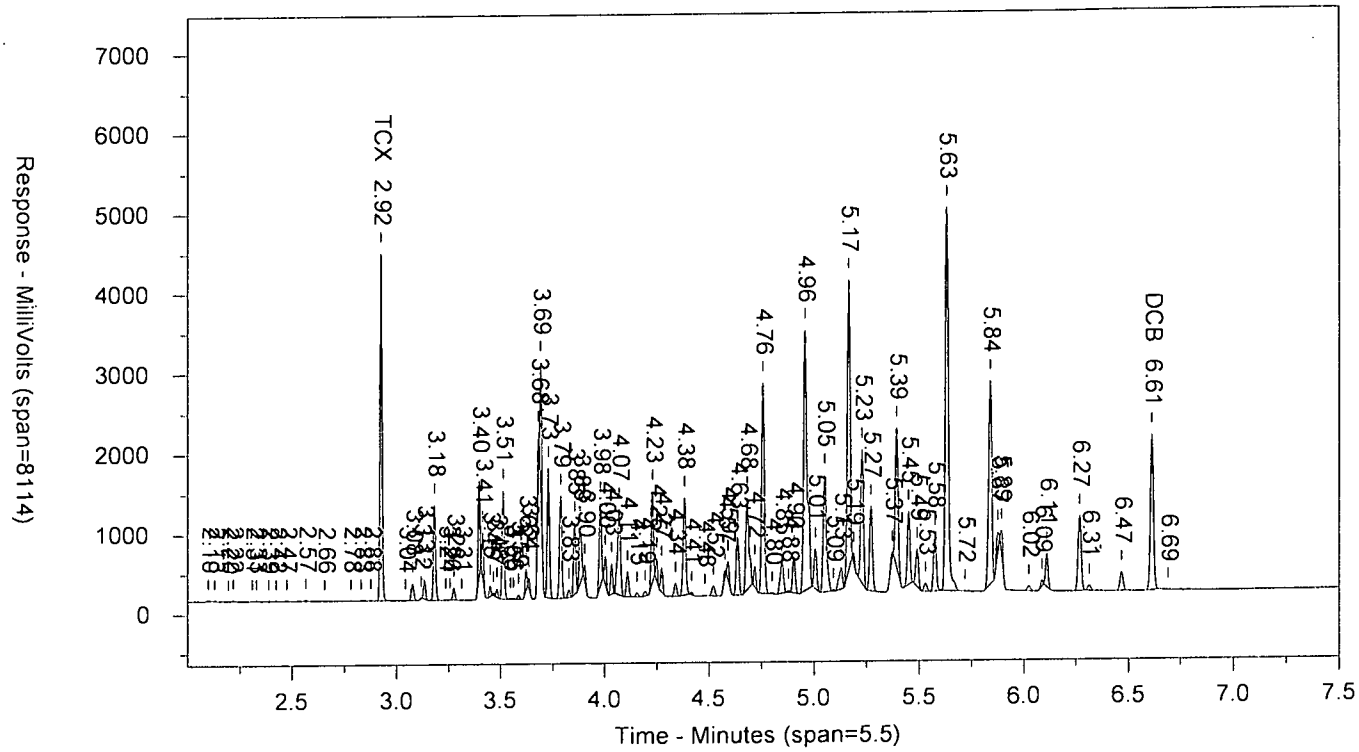
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4351386	.306	TCX	2.615	26483560	.306	TCX
6.612	1935249	.225	DCB	6.107	14417060	.237	DCB

Files:
Area File: 20pcbs17137007.019.RAW
Area File: 20pcbs17137007B.019.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 11:34:58 PM
File Reported On: 5/24/2017 at 11:35:06 PM

LCSA 5/24/17 CAF ACLCS11143 LCS 171430011A 10227 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137007.019.RAW



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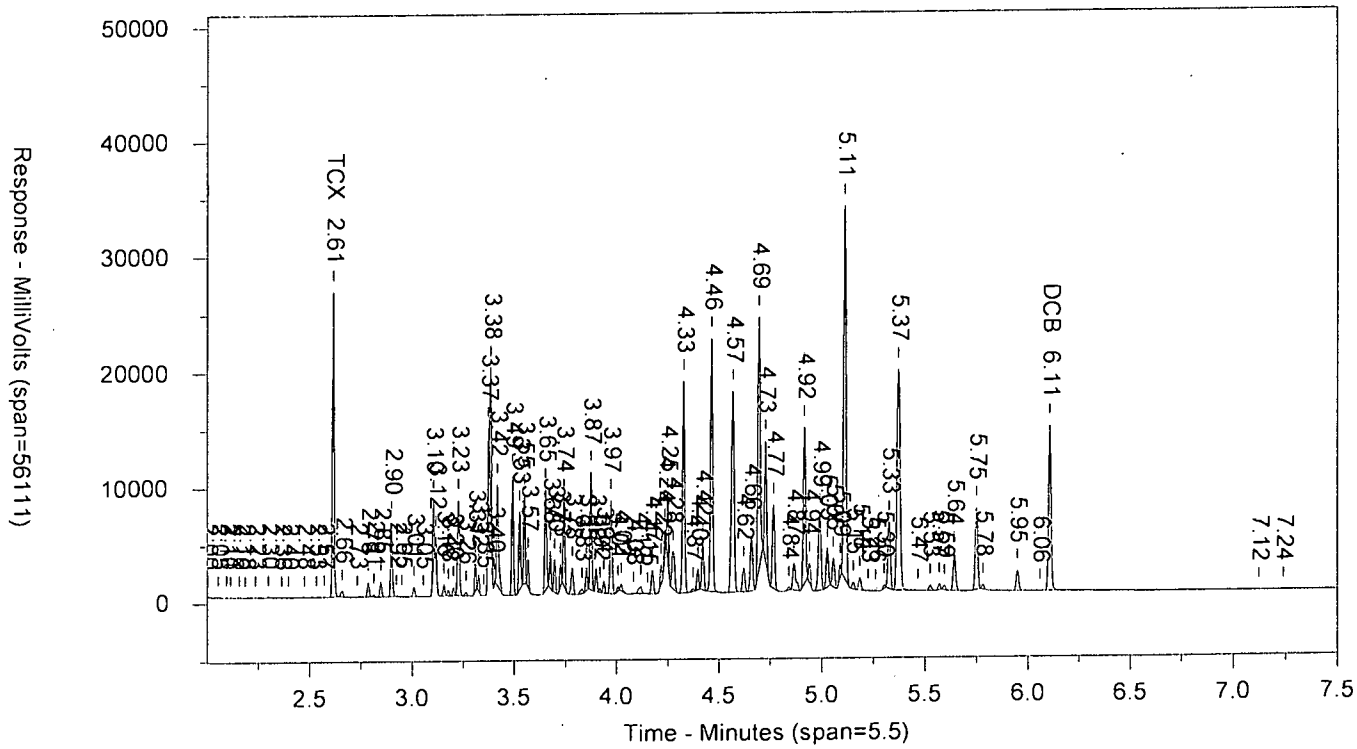

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Data Summary

Sample Name: LCSDA 5/24/17 CAF LCSD11143 LCSD Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 24, 2017 23:37:41
Instrument	17342A
Result file	20PCBS17137007.020.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 103% (33 - 137) Conc: 0.301227
%SSR(DCB) 39% (10 - 148) Conc: 0.112872

Analysis Report (B)

Injected on	May 24, 2017 23:37:41
Instrument	17342B
Result file	20PCBS17137007B.020.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 105% (33 - 137) Conc: 0.306559
%SSR(DCB) 44% (10 - 148) Conc: 0.130145

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	4278942	0.301227
Decachlorobiphenyl	6.58	6.61	6.64	970929	0.112872

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	26490860	0.306559
Decachlorobiphenyl	6.08	6.11	6.14	7925504	0.130145

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	0.306559				1.75	
☐ Decachlorobiphenyl	B	0.130145				14.22	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.38**	
3.16	3.18	3.20	1171542	4.567697			1
3.37	3.40	3.41	1172269	4.476016			2
3.49	3.51	3.53	1309342	4.440601			3
3.71	3.73	3.75	1539510	4.712577			4
3.76	3.79	3.80	1220730	4.568596			5
3.96	3.98	4.00	948125.8	4.425385			6
Height summation:			**7361518.8**				
Concentration		CF:	**4.531812**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.77**	
2.88	2.90	2.92	6446012	4.560472			1
3.21	3.23	3.25	8029461	4.571256			2
3.40	3.42	3.44	8621359	4.884635			3
3.47	3.49	3.51	10115930	4.846476			4
3.63	3.65	3.67	7569207	4.316143			5
3.72	3.74	3.76	7247640	4.822954			6
Height summation:			**48029609**				
Concentration		CF:	**4.666989**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**4.28**	
4.73	4.76	4.77	2418608	4.616861			1
5.03	5.05	5.07	1367709	4.725111			2
5.20	5.23	5.24	1532638	4.522033			3
5.37	5.39	5.41	1800971	4.657091			4
5.61	5.63	5.65	4036533	4.305921			5
5.82	5.84	5.86	2240423	4.254365			6
Height summation:			**13396882**				
Concentration		CF:	**4.513564**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**3.01**	
4.31	4.33	4.35	16662030	4.72117			1
4.44	4.46	4.48	19587510	4.706412			2
4.55	4.57	4.59	16126030	4.815882			3
4.90	4.92	4.94	12034490	4.675543			4
5.09	5.11	5.13	27403960	4.691469			5
5.35	5.37	5.39	17193470	4.400085			6
Height summation:			**109007490**				
Concentration		CF:	**4.668427**	L:			

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Data Summary

Sample Name: LCSDA 5/24/17 CAF LCSD11143 LCSD Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 24, 2017 23:37:41
Instrument	17342A
Result file	20PCBS17137007.020.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

Analysis Report (B)

Injected on	May 24, 2017 23:37:41
Instrument	17342B
Result file	20PCBS17137007B.020.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	4.666989	0.4	0.08		2.94	4	
☐ PCB-1221			<0.4	<0.08			3	
☐ PCB-1232			<0.4	<0.16			4	
☐ PCB-1242			<0.4	<0.08			4	
☐ PCB-1248			<0.4	<0.08			4	
☐ PCB-1254			<0.4	<0.08			4	
☐ PCB-1260	B	4.668427	0.4	0.12		3.37	4	
☐ PCB-1262			<0.4	<0.16			4	
☐ PCB-1268			<0.4	<0.128			4	
☐ Total PCBs	A	9.335416	0.4	0.08				

Units: ug/l

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 26 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 26 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSDA 5/24/17 CAF LCSD11143Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 24, 2017 23:37:41
Instrument : CP20--17342A
Result file : 20PCBS17137007.020.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 103% (33-137) Conc.: 0.301227
%SSR(DCB) : 39% (10-148) Conc.: 0.112872

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.38	
3.16	3.18	3.20	1171542	4.567697			1
3.37	3.40	3.41	1172269	4.476016			2
+ 3.37	3.41	3.41	507600.6	1.938146			2
3.49	3.51	3.53	1309342	4.440601			3
3.71	3.73	3.75	1539510	4.712577			4
3.76	3.79	3.80	1220730	4.568596			5
3.96	3.98	4.00	948125.8	4.425385			6
Height Summation:			7361518.8				
Amount Avg CF:			4.531812	Linear:			
Aroclor-1221					3	36.17	
E 3.06	3.08	3.10	200512.6	1.631977			1
E 3.11	3.13	3.15	252496.7	2.377152			2
E 3.16	3.18	3.20	1171542	3.41414			3
Height Summation:			1624551.3				
Amount Avg CF:			2.474423	Linear:			
Aroclor-1232					6	28.98	
E 3.16	3.18	3.20	1171542	3.806136			1
E 3.38	3.40	3.42	1172269	9.464779			2
E+ 3.38	3.41	3.42	507600.6	4.098315			2
E 3.49	3.51	3.53	1309342	9.634569			3
E 3.71	3.73	3.75	1539510	10.442694			4
E 3.77	3.79	3.81	1220730	10.561877			5
E 3.96	3.98	4.00	948125.8	10.612026			6
Height Summation:			7361518.8				
Amount Avg CF:			9.087014	Linear:			
Aroclor-1242					6	3.54	
E 3.16	3.18	3.20	1171542	5.331856			1
E 3.38	3.40	3.42	1172269	5.40283			2
E+ 3.38	3.41	3.42	507600.6	2.339463			2
E 3.49	3.51	3.53	1309342	5.511061			3
E 3.71	3.73	3.75	1539510	5.76013			4
E 3.77	3.79	3.81	1220730	5.833591			5
E 3.96	3.98	4.00	948125.8	5.542408			6
Height Summation:			7361518.8				
Amount Avg CF:			5.563646	Linear:			
Aroclor-1248					6	48.68	
E 3.76	3.79	3.80	1220730	8.414657			1
3.83	3.86	3.87	894477.9	3.390396			2
3.96	3.98	4.00	948125.8	3.051523			3
4.05	4.07	4.09	956249.3	3.702265			4
4.23	4.23	4.27	1105273	3.612347			5
+ 4.23	4.25	4.27	268757.6	0.878376			5
4.61	4.63	4.65	726286.4	3.238109			6
Height Summation:			5851142.4				
Amount Avg CF:			4.234883	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 23:37:41
Instrument : CP20--17342B
Result file : 20PCBS17137007B.020.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 105% (33-137) Conc.: 0.306559
%SSR(DCB) : 44% (10-148) Conc.: 0.130145

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	4.77	
2.88	2.90	2.92	6446012	4.560472			1
3.21	3.23	3.25	8029461	4.571256			2
+ 3.40	3.40	3.44	357330.8	0.202454			3
3.40	3.42	3.44	8621359	4.884635			3
3.47	3.49	3.51	10115930	4.846476			4
3.63	3.65	3.67	7569207	4.316143			5
+ 3.72	3.72	3.76	1984034	1.320279			6
3.72	3.74	3.76	7247640	4.822954			6
Height Summation:			48029609				
Amount Avg CF:			4.666989	Linear:			
Aroclor-1221					3	32.72	
E 2.77	2.78	2.81	1268626	1.7007			1
E 2.83	2.85	2.87	1385905	3.013938			2
E 2.88	2.90	2.92	6446012	3.379229			3
Height Summation:			9100543				
Amount Avg CF:			2.697956	Linear:			
Aroclor-1232					6	30.86	
E 2.88	2.90	2.92	6446012	3.732857			1
E 3.21	3.23	3.25	8029461	9.620895			2
+ 3.40	3.40	3.44	357330.8	0.478566			3
E 3.40	3.42	3.44	8621359	11.546421			3
E 3.47	3.49	3.51	10115930	11.027462			4
E+ 3.66	3.67	3.70	2661382	10.623339			5
E 3.66	3.70	3.70	2792596	11.147101			5
E 3.73	3.74	3.77	7247640	11.034624			6
Height Summation:			43252998				
Amount Avg CF:			9.684893	Linear:			
Aroclor-1242					6	6.05	
E 2.88	2.90	2.92	6446012	5.303908			1
E 3.21	3.23	3.25	8029461	5.532075			2
+ 3.40	3.40	3.44	357330.8	0.250352			3
E 3.40	3.42	3.44	8621359	6.040258			3
E 3.47	3.49	3.51	10115930	6.201163			4
E 3.64	3.65	3.68	7569207	5.63553			5
E+ 3.64	3.67	3.68	2661382	1.981489			5
E 3.73	3.74	3.77	7247640	6.024291			6
Height Summation:			48029609				
Amount Avg CF:			5.789538	Linear:			
Aroclor-1248					6	75.67	
+ 3.40	3.40	3.44	357330.8	0.513321			1
E 3.40	3.42	3.44	8621359	12.384961			1
3.51	3.53	3.55	6833346	3.480486			2
3.63	3.65	3.67	7569207	3.085795			3
+ 3.72	3.72	3.76	1984034	1.120184			4
3.72	3.74	3.76	7247640	4.092014			4
3.86	3.87	3.90	9459109	2.819616			5
+ 4.22	4.22	4.26	1611969	1.08677			6
+ 4.22	4.24	4.26	1584893	1.068516			6
4.22	4.25	4.26	5134672	3.461735			6
Height Summation:			44865333				
Amount Avg CF:			4.887434	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSDA 5/24/17 CAF LCSD11143Sample ID: AC **Batchnumber: 171430011A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 2855 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 24, 2017 23:37:41
Instrument : CP20--17342A
Result file : 20PCBS17137007.020.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	108.89	
4.21	4.23	4.25	1105273	3.063816			1
+ 4.55	4.57	4.59	98296.67	0.27113			2
4.55	4.59	4.59	219128.5	0.604419			2
4.61	4.63	4.65	726286.4	0.991887			3
E 4.73	4.76	4.77	2418608	11.004523			4
4.83	4.85	4.87	366136.4	0.756659			5
5.14	5.17	5.18	3371294	6.782451			6
Height Summation:			8206726.3				
Amount Avg CF:			3.867293	Linear:			
Aroclor-1260					6	4.28	
4.73	4.76	4.77	2418608	4.616861			1
5.03	5.05	5.07	1367709	4.725111			2
5.20	5.23	5.24	1532638	4.522033			3
5.37	5.39	5.41	1800971	4.657091			4
5.61	5.63	5.65	4036533	4.305921			5
5.82	5.84	5.86	2240423	4.254365			6
Height Summation:			13396882				
Amount Avg CF:			4.513564	Linear:			
Aroclor-1262					6	46.12	
E 5.21	5.23	5.24	1532638	2.456057			1
E 5.37	5.39	5.41	1800971	3.572489			2
E 5.61	5.63	5.65	4036533	3.312836			3
E 5.81	5.84	5.85	2240423	3.32716			4
+ 5.87	5.88	5.91	178077.4	0.533839			5
5.87	5.89	5.91	182168.7	0.546104			5
E 6.25	6.27	6.29	756519	1.86414			6
Height Summation:			10549252.7				
Amount Avg CF:			2.513131	Linear:			
Aroclor-1268					6	127.11	
5.81	5.84	5.85	2240423	1.496244			1
+ 5.87	5.88	5.91	178077.4	0.136304			2
5.87	5.89	5.91	182168.7	0.139436			2
6.00	6.02	6.04	37715	0.030959			3
6.07	6.09	6.11	56151.73	0.201049			4
6.25	6.27	6.29	756519	1.503441			5
6.45	6.47	6.49	174640.6	0.044349			6
Height Summation:			3447618.03				
Amount Avg CF:			0.569246	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 23:37:41
Instrument : CP20--17342B
Result file : 20PCBS17137007B.020.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	123.71	
4.16	4.17	4.19	1923994	0.736256			1
+ 4.22	4.22	4.26	1611969	0.34765			2
+ 4.22	4.24	4.26	1584893	0.34181			2
4.22	4.25	4.26	5134672	1.107383			2
E 4.31	4.33	4.35	16662030	7.724772			3
4.38	4.40	4.42	1721765	0.552381			4
E 4.44	4.46	4.48	19587510	10.912408			5
4.60	4.62	4.64	1850491	0.846224			6
Height Summation:			46880462				
Amount Avg CF:			3.646571	Linear:			
Aroclor-1260					6	3.01	
4.31	4.33	4.35	16662030	4.72117			1
4.44	4.46	4.48	19587510	4.706412			2
4.55	4.57	4.59	16126030	4.815882			3
4.90	4.92	4.94	12034490	4.675543			4
5.09	5.11	5.13	27403960	4.691469			5
5.35	5.37	5.39	17193470	4.400085			6
Height Summation:			109007490				
Amount Avg CF:			4.668427	Linear:			
Aroclor-1262					6	30.48	
E 4.71	4.73	4.75	9417249	2.324352			1
E 4.90	4.92	4.94	12034490	2.98602			2
E 5.09	5.11	5.13	27403960	3.574759			3
5.31	5.33	5.35	4763093	1.499452			4
E 5.35	5.37	5.39	17193470	3.362704			5
E 5.73	5.75	5.77	5749577	2.077831			6
Height Summation:			76561839				
Amount Avg CF:			2.63752	Linear:			
Aroclor-1268					6	118.81	
5.31	5.33	5.35	4763093	0.460405			1
E 5.35	5.37	5.39	17193470	1.641488			2
5.51	5.53	5.55	299832.3	0.03332			3
5.57	5.59	5.61	237595.7	0.109206			4
E 5.73	5.75	5.77	5749577	1.630754			5
5.93	5.95	5.97	1272669	0.047495			6
Height Summation:			29516237				
Amount Avg CF:			0.653778	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0.4	0.08		2.94	4	40	
Aroclor-1221			0.4	0.08	E	8.64	3	5	
Aroclor-1232			0.4	0.16	E	6.37	4	10	
Aroclor-1242			0.4	0.08	E	3.98	4	30	
Aroclor-1248			0.4	0.08	E	14.31	4	40	
Aroclor-1254			0.4	0.08	E	5.88	4	40	
Aroclor-1260			0.4	0.12		3.37	4	40	
Aroclor-1262			0.4	0.16	E	4.83	4	40	
Aroclor-1268			0.4	0.128		13.82	4	40	

Units: ug/l

LANCASTER LABORATORIES

Sample Number: LCSDA 5/24/17 CAF ACLCSD11143 LCSD 171430011A 10227 SW-846 8082
Injected On: 5/24/2017 11:37:41 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.020.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		10948	12477
2.129		10244	6221
2.17		2979	1932
2.193		1339	855
2.217		13853	10080
2.31		7000	4341
2.328		6702	3979
2.387		6744	6197
2.423		1812	1728
2.475		13827	8709
2.565		14565	12624
2.617		816	446
2.647		4126	3275
2.782		3387	2297
2.844		3271	3387
2.876		8314	5420
2.924	TCX	4278943	2849367
3.043		2287	1776
3.077		200513	170234
3.134		252497	199702
3.182		1171543	824937
3.235		3499	2336
3.256		2893	1420
3.275		150459	105923
3.313		4719	3780
3.397		1172269	704743
3.413		507601	276357
3.45		135435	77747
3.466		29712	12064
3.482		99554	57537
3.513		1309342	970715
3.548		6015	3123
3.562		3653	1766
3.586		50570	33633
3.623		282169	158378
3.636		125282	60669
3.682		533149	300219
3.693		1406042	746109
3.728		1539510	1145518
3.788		1220730	980390
3.828		94884	69651
3.855		894478	636898
3.882		647715	532726
3.904		201492	105058
3.934		11054	7176
3.979		948126	715519
4.006		444364	383825
4.033		338734	222960
4.07		956249	1029443
4.11		310799	246043
4.154		46227	36046
4.194		54705	47644
4.227		1105273	810795
4.248		268758	154588

RT A	Compound A	Height A	Area A
4.272		284180	206742
4.338		154609	137941
4.382		1135326	1027094
4.415		28130	18029
4.479		11391	9688
4.52		114306	113682
4.574		98297	63410
4.589		219129	146840
4.635		726286	624577
4.68		1059041	1146224
4.717		237003	166846
4.757		2418609	2213994
4.801		13937	14670
4.848		366136	405609
4.877		23905	14988
4.904		399762	372702
4.957		2819767	3511122
5.006		461142	422013
5.05		1367709	1453106
5.092		16653	9926
5.129		254138	296176
5.165		3371294	3075135
5.188		112493	52749
5.227		1532638	1357880
5.271		912495	884287
5.392		1800971	2342573
5.45		810748	734439
5.491		421232	372498
5.532		86055	82473
5.575		603853	580467
5.631		4036533	4250210
5.718		3777	3909
5.838		2240423	2243340
5.877		178077	204325
5.891		182169	138440
6.001		1826	1435
6.023		37715	36191
6.087		56152	44338
6.11		316307	278449
6.266		756519	767163
6.312		54859	51608
6.466		174641	182269
6.547		2581	2447
6.612	DCB	970929	1076081
6.65		30181	26292
6.688		14722	13888
6.864		997	1199
6.913		827	674
7.194		9660	13135
7.329		44464	63434
8.093		863	2396
8.684		3574	3951

LANCASTER LABORATORIES

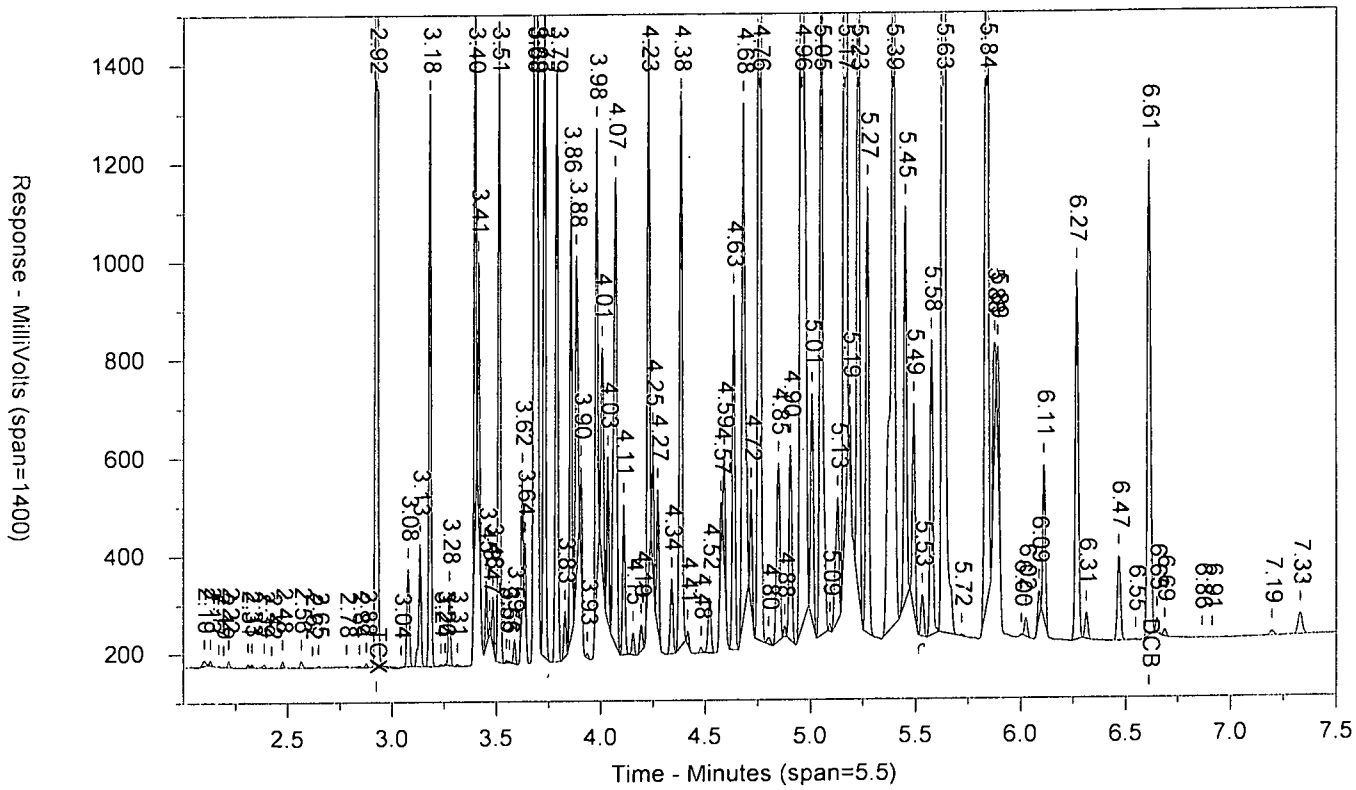
Sample Number: LCSDA 5/24/17 CAF ACLCSD11143 LCSD 171430011A 10227 SW-846 8082
Injected On: 5/24/2017 11:37:41 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.020.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		12654	8510
2.053		45367	28675
2.095		99352	52169
2.114		43842	23477
2.142		3458	1570
2.155		7801	4477
2.184		5386	3001
2.237		17652	30822
2.299		68257	41528
2.364		32873	26457
2.395		25481	17494
2.447		4213	4533
2.476		5046	3611
2.534		4749	3942
2.57		18858	15077
2.614	TCX	26490860	15157260
2.658		507848	377422
2.733		5228	4154
2.785		1268626	800184
2.813		184962	106407
2.846		1385905	844865
2.898		6446012	3856749
2.948		29975	21483
3.009		833557	534079
3.104		7961930	7912286
3.156		964394	590074
3.176		464289	253265
3.202		738025	405229
3.226		8029461	5253165
3.262		324141	185727
3.309		2317650	1178301
3.324		1367829	639387
3.35		15511	7154
3.374		4455269	2221322
3.384		11114290	4638024
3.404		357331	126047
3.417		8621359	5704729
3.491		10115930	6060656
3.526		6833346	4001967
3.549		7186014	3944205
3.567		2375091	1139298
3.61		92206	55575
3.653		7569207	4345133
3.674		2661383	1739447
3.696		2792596	1619479
3.725		1984034	973547
3.742		7247640	4141209
3.783		2272693	1670095
3.831		361420	310496
3.852		1887988	1111628
3.875		9459109	5989252
3.9		2036952	1181994
3.919		282144	137437
3.938		1041883	637163

RT B	Compound B	Height B	Area B
3.973		7525672	5067093
4.007		355849	212075
4.022		535729	358469
4.083		70313	70772
4.117		589375	607977
4.15		13521	5982
4.175		1923994	1386105
4.217		1611969	952745
4.236		1584893	847850
4.248		5134672	2798659
4.275		2851387	2952826
4.327		16662030	12319950
4.375		220549	193658
4.396		1721765	1135775
4.421		3741718	2632783
4.463		19587510	15160650
4.566		16126030	14861020
4.619		1850491	1559888
4.658		4129781	3509485
4.694		20319310	16955380
4.727		9417249	6239940
4.765		6588777	5031448
4.84		201357	150917
4.865		2105395	2115894
4.916		12034490	9159844
4.939		1624416	1029688
4.99		5984185	5225854
5.026		3001988	2384957
5.055		2281334	1816986
5.087		1160239	666149
5.11		27403960	22678810
5.151		573142	421339
5.183		868582	718820
5.302		233996	158619
5.326		4763093	3887376
5.371		17193470	18402090
5.488		11549	7435
5.525		299832	248563
5.548		8361	3691
5.57		439834	341818
5.594		237596	165338
5.643		2535018	2161184
5.749		5749577	4729296
5.781		322274	232796
5.949		1272669	1130888
6.108	DCB	7925504	6741040
6.234		216722	250027
6.728		47088	51808
6.82		266973	275037
7.125		2291	2826
7.466		2354	2868
7.849		3275	5503
8.214		20073	32275

LCSDA 5/24/17 CAF ACLCSD11143 LCSD 171430011A 10227 SW-846 8(

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137007.020.RAW



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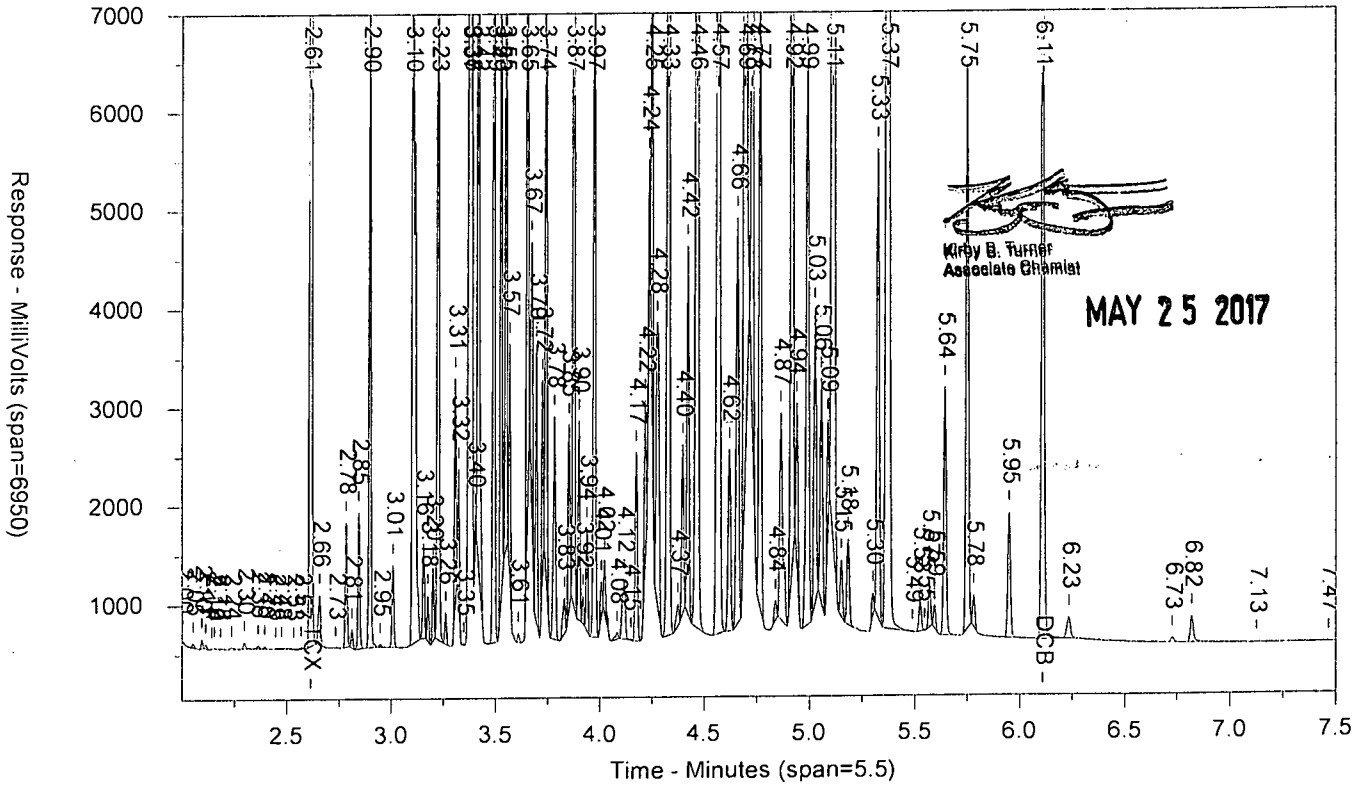

Kirby B. Turner
Associate Chemist

MAY 25 2017

LANCASTER LABORATORIES

Sample Number: LCSDA 5/24/17 CAF ACLCSD11143 LCSD 171430011A 10227 SW-846 8082
Injected On: 5/24/2017 11:37:41 PM Sample Weight: 250
Instrument ID: CP20-17342 Dilution Factor: 2
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4278943	.301	TCX	2.614	26490860	.307	TCX
6.612	970929	.113	DCB	6.108	7925504	.13	DCB

Files:
Area File: 20pcbs17137007.020.RAW
Area File: 20pcbs17137007B.020.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 11:46:26 PM
File Reported On: 5/24/2017 at 11:46:37 PM

LCSDA 5/24/17 CAF ACLCSD11143 LCSD 171430011A 10227 SW-846 8(

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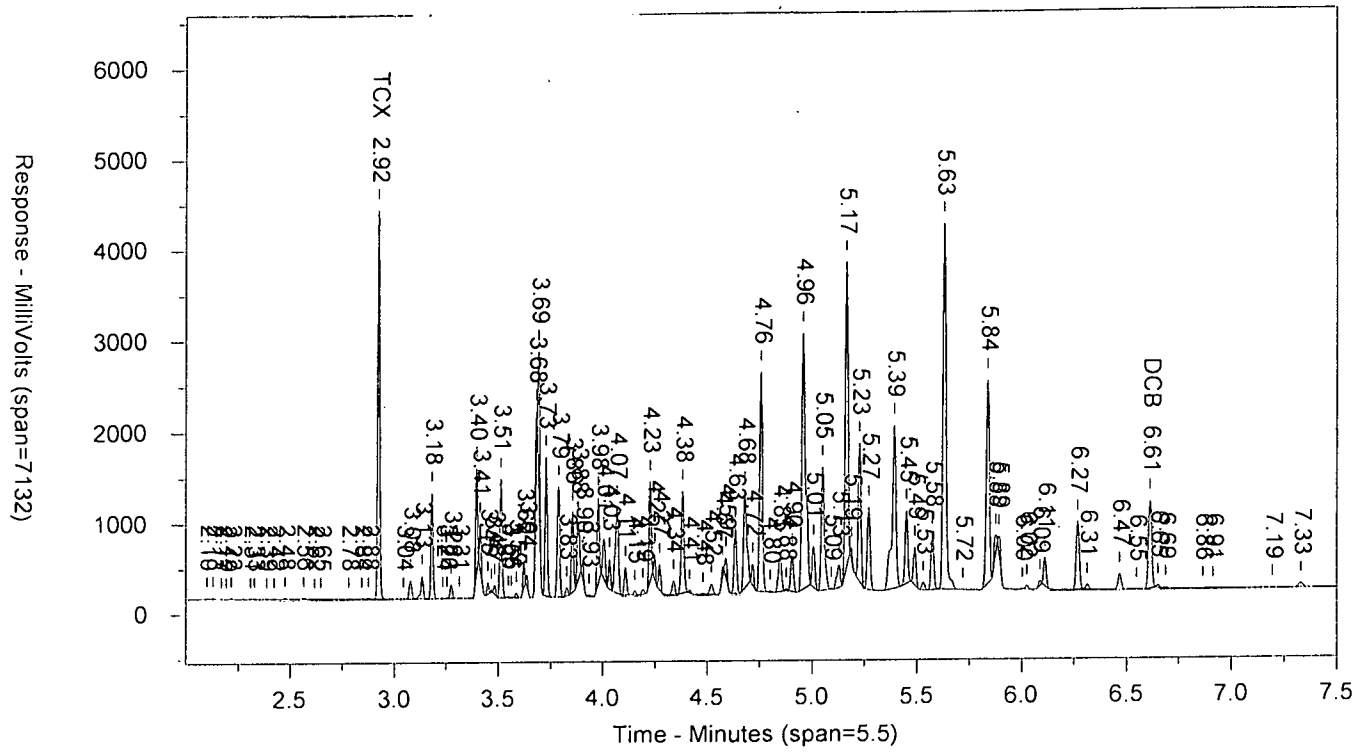

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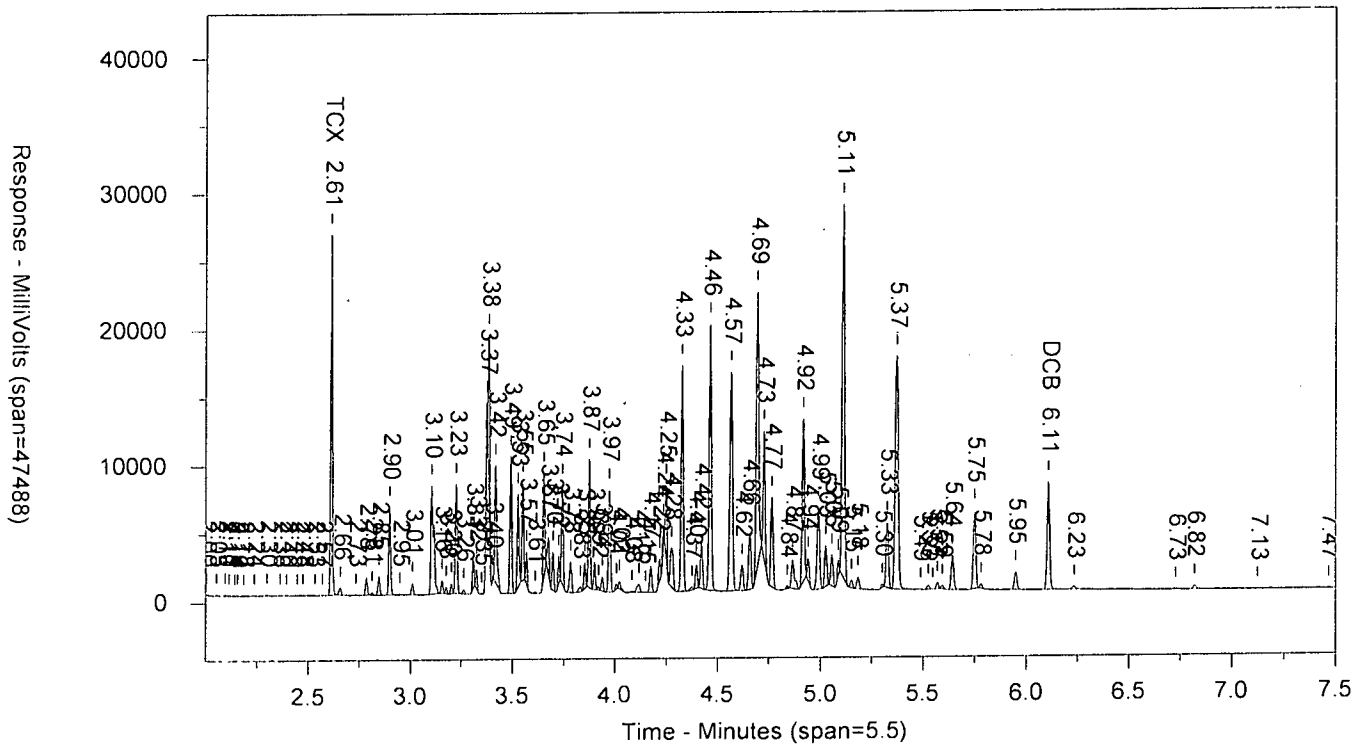

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 504 Sally Appleyard Reviewed by: [illegible] Start Date: 5/25/17 Start time: 19:30

171450004A

Tech 1: SLA-504 Tech 2:

Dept: 24	Prep Analysis: 14248 PCB 10g Sonication Ext										PCBs in Solids by 8082/3550
QC	Sample Code	Amt G	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
9004819MS	A5319	10.06	SS1713724A	1.0	MS1713824A	1.0	10	Z	Z	314A	
9004820MSD	A5319	10.11	SS1713724A		MS1713824A	1.0	10	Z	Z	314A	
BLANKA	PBLK04145	10.0	SS1713724A				10	Z	Z		
LCSA	LCS04145	10.0	SS1713724A		MS1713824A	1.0	10	Z	Z		

Solvent Used	Lot No.
1:1 MeCl2/Acetone	115051617A
Filter Paper	176204
Hexane	170692/2843
Sodium Sulfate	171427A

Spike Solutions: Witness: [illegible]
MS1713824A PCB SPIKE
SS1713724A 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 9001102 R	A4914	10.0	SS1713724A	1.0	10	Z	Z	314A	Grey fine	10225	1869	05/31/2017	N
2 9004801	A5302	10.01	SS1713724A		10	Z	Z	314A	Soil;Rocks;Grey	10225	1869	06/01/2017	N
3 9004802	A5303	10.22	SS1713724A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	06/01/2017	N
4 9004803	A5304	10.04	SS1713724A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	06/01/2017	N
5 9004804	A5305	10.14	SS1713724A		10	Z	Z	314A	Soil;Rocks;Grey	10225	1869	06/01/2017	N
6 9004805	A5306	10.42	SS1713724A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	06/01/2017	N
7 9004806	A5307	10.08	SS1713724A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	06/01/2017	N
8 9004807	A5308	10.02	SS1713724A		10	Z	Z	314A	Soil;Rocks;Grey	10225	1869	06/01/2017	N
9 9004808	A5309	10.41	SS1713724A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	06/01/2017	N
10 9004809	A5310	10.38	SS1713724A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	06/01/2017	N
11 9004810	A5311	10.24	SS1713724A		10	Z	Z	314A	Soil;Rocks;Grey	10225	1869	06/01/2017	N
12 9004811	A5312	10.05	SS1713724A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	06/01/2017	N
13 9004812	A5313	10.31	SS1713724A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	06/01/2017	N
14 9004813	A5314	10.21	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	06/01/2017	N
15 9004814	A5315	10.11	SS1713724A		10	Z	Z	314a	Soil;Gritty;Grey	10225	1869	06/01/2017	N
16 9004815	A5316	10.41	SS1713724A		10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	06/01/2017	N
17 9004816	A5317	10.02	SS1713724A		10	Z	Z	314A	Soil;Gritty;Sandy;Brown	10225	1869	06/01/2017	N
18 9004817	A5318	10.45	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	06/01/2017	N
19 9004818BKG	A5319	10.14	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	06/01/2017	N

ATE53 Page 924 of 934

Bench#	Bench#	Bench#										
Rack ID:		Work Station		Micro Temp 100?	R-VAP ID	C	R-VAP ID	C	R-VAP ID	C	SLA 5/25/17	
Internal Standard		Balance #			S-bath ID 6	97 C	S-bath ID	C	N-Evap	C	M-vap	C	171450004A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Sample #	Sample Code	Amt ( )	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio

Kirby B. Turner
Associate Chemist

MAY 30 2017

Bench#	Bench#	Bench#		
Rack ID:		Work Station		Micro Temp 100?
Internal Standard		Balance #		

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	C	S-bath ID	C	N-Evap	C	M-vap	C

171450004A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 171450004A

Verified: KMT 9/06
Start Date: 5/24/17
Start Time: 1230
Tech 1: SLA-507
Tech 2:

Sample #		QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001102		10.0	10.0				10225
2	9004801							10225
3	9004802							10225
4	9004803							10225
5	9004804							10225
6	9004805							10225
7	9004806							10225
8	9004807							10225
9	9004808							10225
10	9004809							10225
11	9004810							10225
12	9004811							10225
13	9004812							10225
14	9004813							10225
15	9004814							10225
16	9004815							10225
17	9004816							10225
18	9004817							10225
19	9004818							10225
20	9004819	MS						10225
21	9004820	MSD						10225
22	BLANKA							
23	LCSA							

SLA 5/24/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H2SO4	153943

Prep-Process Worksheet

Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch: 171450004A

Verified: KBT 0066
Start Date: 5/24/17
Start Time: 1:15
Tech 1: SLA-507
Tech 2:

	Sample #	QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001102		2.0	2.0				10225
2	9004801							10225
3	9004802							10225
4	9004803							10225
5	9004804							10225
6	9004805							10225
7	9004806							10225
8	9004807							10225
9	9004808							10225
10	9004809							10225
11	9004810							10225
12	9004811							10225
13	9004812							10225
14	9004813							10225
15	9004814							10225
16	9004815							10225
17	9004816							10225
18	9004817							10225
19	9004818							10225
20	9004819	MS						10225
21	9004820	MSD						10225
22	BLANKA							
23	LCSA							

SLA 5/26/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	4140116

S-Evap/bath	C	S-Evap/bath	C	N-Evap	C

The documented temperatures are NIST corrected.

Prep-Process Worksheet

Copper
Prep: 14248 PCB 10g Sonication Ext
Batch No: 171450004A

Verified: KBS 9/06/8
Start Date: 5/26/17
Start Time: 1300
Tech 1: SLA SUY
Tech 2:

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001102		1.0	1.0				10225
2	9004801							10225
3	9004802							10225
4	9004803							10225
5	9004804							10225
6	9004805							10225
7	9004806							10225
8	9004807							10225
9	9004808							10225
10	9004809							10225
11	9004810							10225
12	9004811							10225
13	9004812							10225
14	9004813							10225
15	9004814							10225
16	9004815							10225
17	9004816							10225
18	9004817							10225
19	9004818							10225
20	9004819	MS						10225
21	9004820	MSD						10225
22	BLANKA							
23	LCSA							

SLA 5/26/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Supplier	161706010C

Prep-Process Worksheet

Acid Cleanup

Prep: 11117 PCB Waters Extraction

Batch No: 171430011A

Verified: KMT 9065
Start Date: 5/24/17
Start Time: 05:25
Tech 1: MJ
Tech 2:

Sample #		QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001150		2	2				10227
2	9004800							10227
3	9005022							10227
4	9005023							10227
5	9007661							10227
6	BLANKA							
7	LCSA							
8	LCSDA							

MJ 5/24/17

5/24/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
Hexan	TG: 166942 @ 0225 5/24/17		

Prep-Process Worksheet

Florisil
Prep: 11117 PCB Waters Extraction
Batch: 171430011A

Verified: KBT 9065
Start Date: 5/24/17
Start Time: 06:15
Tech 1: VB301
Tech 2: —

Sample #		QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001150		2	2				10227
2	9004800							10227
3	9005022							10227
4	9005023							10227
5	9007661							10227
6	BLANKA							
7	LCSA							
8	LCSDA							

VB301 5/24/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
—		—	
—		—	
—		—	
Florisil	4140111CE	—	

S-Evap/bath	C	S-Evap/bath	C	N-Evap	C

The documented temperatures are NIST corrected.

Prep-Process Worksheet
Copper

Prep Analysis # 11117 PCB Waters Extraction

Prep Group # 11 PCBs - waters

Verified: KBT 9065

Start Date: 05/24/2017

Start Time: 19:40

Tech 1: JLM 2855

Tech 2:

BATCH NO. 171430011A

	Sample #	Aliquot (ml)	Parent ID	Final Volume (ml)	Comments	Analyses
1	BLANKA (AC)	1	AB	1		
2	LCSA (AC)	1	AB	1		
3	LCSDA (AC)	1	AB	1		
4	9001150 (AC)	1	AB	1		10227
5	9004800 (AC)	1	AB	1		10227
6	9005022 (AC)	1	AB	1		10227
7	9005023 (AC)	1	AB	1		10227
8	9007661 (AC)	1	AB	1		10227

2855
24May17

Additional Comment:

Solvent Used	Lot No.	Solvent Used	Lot No.
Copper	617060-3		

2855
24May17

Moisture Data

eurofins | Lancaster Laboratories Environmental

CLIENT: Stantec
SDG: ATE53

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9004801	A5302
9004802	A5303
9004803	A5304
9004804	A5305
9004805	A5306
9004806	A5307
9004807	A5308
9004808	A5309
9004809	A5310
9004810	A5311
9004811	A5312
9004812	A5313
9004813	A5314
9004814	A5315
9004815	A5316
9004816	A5317
9004817	A5318
9004818	A5319BKG
9004819	A5319MS
9004820	A5319MSD

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: 17145820006A	Sample number(s): 9004801-9004820				
Moisture	99		99-101		
Moisture	99		99-101		
Moisture Duplicate	99		99-101		

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 17145820006A	Sample number(s): 9004801-9004820			
Moisture	2.8	2.7	5	5
Moisture	2.8	2.7	5	5
Moisture Duplicate	2.8	2.7	5	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

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CLIENT: Stantec
SDG: ATE53

MOISTURE

Moisture Data Report

Batch #: 17145820006

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9004801	A	00111	1.1233	8.8793	9.6923	3.49	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004802	A	00111	1.1313	7.8948	8.7656	3.30	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004803	A	00111	1.1320	8.3901	9.2009	3.83	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004804	A	00111	1.1273	8.8208	9.6712	3.14	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004805	A	00111	1.1529	8.8923	9.7246	3.61	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004806	A	00111	1.1527	7.6721	8.5392	3.72	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004807	A	00111	1.1719	8.2095	9.1041	3.38	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004808	A	00111	1.1363	8.5459	9.2962	4.52	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004809	A	00111	1.1487	7.2375	8.1037	3.90	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004810	A	00111	1.1213	8.8765	9.7264	3.06	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004811	A	00111	1.1297	9.1805	10.0038	3.34	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004812	A	00111	1.1449	7.1256	7.9637	4.31	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004813	A	00111	1.1149	7.6965	8.5501	3.40	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004814	A	00111	1.1444	8.6212	9.4586	3.56	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004815	A	00111	1.1522	7.4284	8.2679	4.21	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004816	A	00111	1.1586	7.7402	8.5857	4.05	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004817	A	00111	1.1709	9.5972	10.3566	4.29	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004818BKG	A	00111	1.1280	7.4550	8.3713	2.84	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004819MS	A	00118				2.84	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004820MSD	A	00118				2.84	5/26/17 (1201/SWF)	5/26/17 (236/CW)
9004820MSD	A	00121	1.1414	7.8559	8.7861	2.69	5/26/17 (1201/SWF)	5/26/17 (236/CW)
LCS 89.5% Std.		00111	1.1170	5.0089	1.6689	88.98	5/26/17 (1201/SWF)	5/26/17 (236/CW)