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Type I Data Package

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Project: Amtrak Wilmington
Soil Samples
Collected on 09/07/16

SDG# ATD51

GROUP	SAMPLE NUMBERS
1704364	8570342-8570361

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

Authorized by: Dana M Kauffman **Date:** **10/01/2016**

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 ATD51
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
8570342	W-1E	09/07/2016 09:13	09/07/2016 17:25
8570343	W-1W	09/07/2016 09:14	09/07/2016 17:25
8570344	W-2E	09/07/2016 09:17	09/07/2016 17:25
8570345	W-2W	09/07/2016 09:18	09/07/2016 17:25
8570346	W-3E	09/07/2016 09:21	09/07/2016 17:25
8570347	W-3W	09/07/2016 09:22	09/07/2016 17:25
8570348	W-4E	09/07/2016 09:24	09/07/2016 17:25
8570349	W-4W	09/07/2016 09:25	09/07/2016 17:25
8570350	W-5E	09/07/2016 09:27	09/07/2016 17:25
8570351	W-5W	09/07/2016 09:28	09/07/2016 17:25
8570352	W-14W	09/07/2016 10:03	09/07/2016 17:25
8570353	W-15E	09/07/2016 10:05	09/07/2016 17:25
8570354	W-15W	09/07/2016 10:06	09/07/2016 17:25
8570355	W-16E	09/07/2016 10:08	09/07/2016 17:25
8570356	W-16W	09/07/2016 10:09	09/07/2016 17:25
8570357	W-16W MS	09/07/2016 10:09	09/07/2016 17:25
8570358	W-16W MSD	09/07/2016 10:09	09/07/2016 17:25
8570359	DUP-2	09/07/2016 10:09	09/07/2016 17:25
8570360	W-17E	09/07/2016 10:11	09/07/2016 17:25
8570361	W-17W	09/07/2016 10:12	09/07/2016 17:25

Method Summary/Reference for SDG# ATD51_I

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14248 PCB 10g Sonication Ext

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

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

10225 PCBs in Solids by 8082/3550

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

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

00111 Moisture
00118 Moisture
00121 Moisture Duplicate

A well-mixed sample is 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: September 22, 2016

Project: Amtrak Wilmington

Submittal Date: 09/07/2016
Group Number: 1704364
SDG: ATD51
PO Number: 213402048
State of Sample Origin: DE

Client Sample Description	Lancaster Labs (LL) #
W-1E Grab Soil	8570342
W-1W Grab Soil	8570343
W-2E Grab Soil	8570344
W-2W Grab Soil	8570345
W-3E Grab Soil	8570346
W-3W Grab Soil	8570347
W-4E Grab Soil	8570348
W-4W Grab Soil	8570349
W-5E Grab Soil	8570350
W-5W Grab Soil	8570351
W-14W Grab Soil	8570352
W-15E Grab Soil	8570353
W-15W Grab Soil	8570354
W-16E Grab Soil	8570355
W-16W Grab Soil	8570356
W-16W MS Grab Soil	8570357
W-16W MSD Grab Soil	8570358
DUP-2 Grab Soil	8570359
W-17E Grab Soil	8570360
W-17W Grab Soil	8570361

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: 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: W-1E Grab Soil
Amtrak Wilmington

LL Sample # SW 8570342
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:13 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5101 SDG#: ATD51-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.054	0.054	1
10225	PCB-1221	11104-28-2	< 0.054	0.054	1
10225	PCB-1232	11141-16-5	< 0.054	0.054	1
10225	PCB-1242	53469-21-9	< 0.054	0.054	1
10225	PCB-1248	12672-29-6	< 0.054	0.054	1
10225	PCB-1254	11097-69-1	< 0.054	0.054	1
10225	PCB-1260	11096-82-5	0.087	0.054	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	9.5	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	162530010A	09/12/2016 02:42	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-1W Grab Soil
Amtrak Wilmington

LL Sample # SW 8570343
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:14 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5102 SDG#: ATD51-02

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	< 0.057	0.057	1
10225	PCB-1221	11104-28-2	< 0.057	0.057	1
10225	PCB-1232	11141-16-5	< 0.057	0.057	1
10225	PCB-1242	53469-21-9	< 0.057	0.057	1
10225	PCB-1248	12672-29-6	< 0.057	0.057	1
10225	PCB-1254	11097-69-1	< 0.057	0.057	1
10225	PCB-1260	11096-82-5	0.48	0.057	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	11.8	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	162530010A	09/12/2016 02:53	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-2E Grab Soil
Amtrak Wilmington

LL Sample # SW 8570344
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:17 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5103 SDG#: ATD51-03

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	< 0.055	0.055	1
10225	PCB-1221	11104-28-2	< 0.055	0.055	1
10225	PCB-1232	11141-16-5	< 0.055	0.055	1
10225	PCB-1242	53469-21-9	< 0.055	0.055	1
10225	PCB-1248	12672-29-6	< 0.055	0.055	1
10225	PCB-1254	11097-69-1	< 0.055	0.055	1
10225	PCB-1260	11096-82-5	0.091	0.055	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	9.3	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162530010A	09/20/2016 19:33	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-2W Grab Soil
Amtrak Wilmington

LL Sample # SW 8570345
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:18 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5104 SDG#: ATD51-04

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	< 2.9	2.9	50
10225	PCB-1221	11104-28-2	< 2.9	2.9	50
10225	PCB-1232	11141-16-5	< 2.9	2.9	50
10225	PCB-1242	53469-21-9	< 2.9	2.9	50
10225	PCB-1248	12672-29-6	< 2.9	2.9	50
10225	PCB-1254	11097-69-1	< 2.9	2.9	50
10225	PCB-1260	11096-82-5	14	2.9	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	12.8	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	162530010A	09/12/2016 03:15	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-3E Grab Soil
Amtrak Wilmington

LL Sample # SW 8570346
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:21 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5105 SDG#: ATD51-05

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	< 0.57	0.57	10
10225	PCB-1221	11104-28-2	< 0.57	0.57	10
10225	PCB-1232	11141-16-5	< 0.57	0.57	10
10225	PCB-1242	53469-21-9	< 0.57	0.57	10
10225	PCB-1248	12672-29-6	< 0.57	0.57	10
10225	PCB-1254	11097-69-1	< 0.57	0.57	10
10225	PCB-1260	11096-82-5	7.1	0.57	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	11.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162530010A	09/12/2016 03:27	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-3W Grab Soil
Amtrak Wilmington

LL Sample # SW 8570347
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:22 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5106 SDG#: ATD51-06

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	< 5.8	5.8	100
10225	PCB-1221	11104-28-2	< 5.8	5.8	100
10225	PCB-1232	11141-16-5	< 5.8	5.8	100
10225	PCB-1242	53469-21-9	< 5.8	5.8	100
10225	PCB-1248	12672-29-6	< 5.8	5.8	100
10225	PCB-1254	11097-69-1	< 5.8	5.8	100
10225	PCB-1260	11096-82-5	66	5.8	100
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	12.4	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	162530010A	09/12/2016 03:49	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-4E Grab Soil
Amtrak Wilmington

LL Sample # SW 8570348
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:24 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5107 SDG#: ATD51-07

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	3.1	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	6.1	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	162530010A	09/12/2016 04:00	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-4W Grab Soil
Amtrak Wilmington

LL Sample # SW 8570349
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:25 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5108 SDG#: ATD51-08

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	< 2.8	2.8	50
10225	PCB-1221	11104-28-2	< 2.8	2.8	50
10225	PCB-1232	11141-16-5	< 2.8	2.8	50
10225	PCB-1242	53469-21-9	< 2.8	2.8	50
10225	PCB-1248	12672-29-6	< 2.8	2.8	50
10225	PCB-1254	11097-69-1	< 2.8	2.8	50
10225	PCB-1260	11096-82-5	23	2.8	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	10.4	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162530010A	09/12/2016 04:12	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-5E Grab Soil
Amtrak Wilmington

LL Sample # SW 8570350
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:27 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5109 SDG#: ATD51-09

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	< 0.27	0.27	5
10225	PCB-1221	11104-28-2	< 0.27	0.27	5
10225	PCB-1232	11141-16-5	< 0.27	0.27	5
10225	PCB-1242	53469-21-9	< 0.27	0.27	5
10225	PCB-1248	12672-29-6	< 0.27	0.27	5
10225	PCB-1254	11097-69-1	< 0.27	0.27	5
10225	PCB-1260	11096-82-5	1.4	0.27	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	6.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162530010A	09/12/2016 04:23	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-5W Grab Soil
Amtrak Wilmington

LL Sample # SW 8570351
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 09:28 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5110 SDG#: ATD51-10

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	< 2.7	2.7	50
10225	PCB-1221	11104-28-2	< 2.7	2.7	50
10225	PCB-1232	11141-16-5	< 2.7	2.7	50
10225	PCB-1242	53469-21-9	< 2.7	2.7	50
10225	PCB-1248	12672-29-6	< 2.7	2.7	50
10225	PCB-1254	11097-69-1	< 2.7	2.7	50
10225	PCB-1260	11096-82-5	36	2.7	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	9.1	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	162530010A	09/12/2016 04:34	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-14W Grab Soil
Amtrak Wilmington

LL Sample # SW 8570352
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:03 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5111 SDG#: ATD51-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.7	2.7	50
10225	PCB-1221	11104-28-2	< 2.7	2.7	50
10225	PCB-1232	11141-16-5	< 2.7	2.7	50
10225	PCB-1242	53469-21-9	< 2.7	2.7	50
10225	PCB-1248	12672-29-6	< 2.7	2.7	50
10225	PCB-1254	11097-69-1	< 2.7	2.7	50
10225	PCB-1260	11096-82-5	38	2.7	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	5.4	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	162530010A	09/12/2016 05:19	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-15E Grab Soil
Amtrak Wilmington

LL Sample # SW 8570353
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:05 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5112 SDG#: ATD51-12

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	< 2.8	2.8	50
10225	PCB-1221	11104-28-2	< 2.8	2.8	50
10225	PCB-1232	11141-16-5	< 2.8	2.8	50
10225	PCB-1242	53469-21-9	< 2.8	2.8	50
10225	PCB-1248	12672-29-6	< 2.8	2.8	50
10225	PCB-1254	11097-69-1	< 2.8	2.8	50
10225	PCB-1260	11096-82-5	28	2.8	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	11.6	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	162530010A	09/12/2016 05:42	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-15W Grab Soil
Amtrak Wilmington

LL Sample # SW 8570354
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:06 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5113 SDG#: ATD51-13

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	< 2.8	2.8	50
10225	PCB-1221	11104-28-2	< 2.8	2.8	50
10225	PCB-1232	11141-16-5	< 2.8	2.8	50
10225	PCB-1242	53469-21-9	< 2.8	2.8	50
10225	PCB-1248	12672-29-6	< 2.8	2.8	50
10225	PCB-1254	11097-69-1	< 2.8	2.8	50
10225	PCB-1260	11096-82-5	31	2.8	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	10.6	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	162530010A	09/12/2016 05:53	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-16E Grab Soil
Amtrak Wilmington

LL Sample # SW 8570355
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:08 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5114 SDG#: ATD51-14

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	< 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	16	1.1	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	13.0	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	162530010A	09/12/2016 06:05	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-16W Grab Soil
Amtrak Wilmington

LL Sample # SW 8570356
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:09 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5115 SDG#: ATD51-15BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 3.0	3.0	50
10225	PCB-1221	11104-28-2	< 3.0	3.0	50
10225	PCB-1232	11141-16-5	< 3.0	3.0	50
10225	PCB-1242	53469-21-9	< 3.0	3.0	50
10225	PCB-1248	12672-29-6	< 3.0	3.0	50
10225	PCB-1254	11097-69-1	< 3.0	3.0	50
10225	PCB-1260	11096-82-5	20	3.0	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	16.1	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	162530010A	09/12/2016 06:28	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-16W MS Grab Soil
Amtrak Wilmington

LL Sample # SW 8570357
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:09 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5115 SDG#: ATD51-15MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 3.0	3.0	50
10225	PCB-1221	11104-28-2	< 3.0	3.0	50
10225	PCB-1232	11141-16-5	< 3.0	3.0	50
10225	PCB-1242	53469-21-9	< 3.0	3.0	50
10225	PCB-1248	12672-29-6	< 3.0	3.0	50
10225	PCB-1254	11097-69-1	< 3.0	3.0	50
10225	PCB-1260	11096-82-5	28	3.0	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	16.1	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	162530010A	09/12/2016 06:39	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00118	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-16W MSD Grab Soil
Amtrak Wilmington

LL Sample # SW 8570358
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:09 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5115 SDG#: ATD51-15MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 3.0	3.0	50
10225	PCB-1221	11104-28-2	< 3.0	3.0	50
10225	PCB-1232	11141-16-5	< 3.0	3.0	50
10225	PCB-1242	53469-21-9	< 3.0	3.0	50
10225	PCB-1248	12672-29-6	< 3.0	3.0	50
10225	PCB-1254	11097-69-1	< 3.0	3.0	50
10225	PCB-1260	11096-82-5	20	3.0	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	16.1	0.50	1
00121	Moisture Duplicate	n.a.	14.7	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162530010A	09/12/2016 06:50	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00118	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1
00121	Moisture Duplicate	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: DUP-2 Grab Soil
Amtrak Wilmington

LL Sample # SW 8570359
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:09 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5116 SDG#: ATD51-16FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 3.0	3.0	50
10225	PCB-1221	11104-28-2	< 3.0	3.0	50
10225	PCB-1232	11141-16-5	< 3.0	3.0	50
10225	PCB-1242	53469-21-9	< 3.0	3.0	50
10225	PCB-1248	12672-29-6	< 3.0	3.0	50
10225	PCB-1254	11097-69-1	< 3.0	3.0	50
10225	PCB-1260	11096-82-5	25	3.0	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	16.3	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	162530010A	09/12/2016 07:02	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-17E Grab Soil
Amtrak Wilmington

LL Sample # SW 8570360
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:11 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5117 SDG#: ATD51-17

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	< 1.3	1.3	20
10225	PCB-1221	11104-28-2	< 1.3	1.3	20
10225	PCB-1232	11141-16-5	< 1.3	1.3	20
10225	PCB-1242	53469-21-9	< 1.3	1.3	20
10225	PCB-1248	12672-29-6	< 1.3	1.3	20
10225	PCB-1254	11097-69-1	< 1.3	1.3	20
10225	PCB-1260	11096-82-5	11	1.3	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	22.9	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	162530010A	09/12/2016 07:13	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

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Analysis Report

Sample Description: W-17W Grab Soil
Amtrak Wilmington

LL Sample # SW 8570361
LL Group # 1704364
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/07/2016 10:12 by JZ

Submitted: 09/07/2016 17:25
Reported: 09/22/2016 18:20

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A5118 SDG#: ATD51-18

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	< 3.1	3.1	50
10225	PCB-1221	11104-28-2	< 3.1	3.1	50
10225	PCB-1232	11141-16-5	< 3.1	3.1	50
10225	PCB-1242	53469-21-9	< 3.1	3.1	50
10225	PCB-1248	12672-29-6	< 3.1	3.1	50
10225	PCB-1254	11097-69-1	< 3.1	3.1	50
10225	PCB-1260	11096-82-5	18	3.1	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	17.7	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	162530010A	09/12/2016 07:36	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162530010A	09/10/2016 12:30	Sally L Appleyard	1
00111	Moisture	SM 2540 G-1997	1	16258820014A	09/15/2016 09:35	William C Schwebel	1

Quality Control Summary

Client Name: Stantec
Reported: 09/22/2016 18:20

Group Number: 1704364

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result mg/kg	LOQ mg/kg
Batch number: 162530010A	Sample number(s): 8570342-8570361	
PCB-1016	< 0.051	0.051
PCB-1221	< 0.051	0.051
PCB-1232	< 0.051	0.051
PCB-1242	< 0.051	0.051
PCB-1248	< 0.051	0.051
PCB-1254	< 0.051	0.051
PCB-1260	< 0.051	0.051

LCS/LCSD

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 162530010A	Sample number(s): 8570342-8570361								
PCB-1016	0.505	0.530			105		80-121		
PCB-1260	0.504	0.567			113		84-125		
	%	%	%	%					
Batch number: 16258820014A	Sample number(s): 8570342-8570361								
Moisture	89.5	89.43			100		99-101		
Moisture	89.5	89.43			100		99-101		
Moisture Duplicate	89.5	89.43			100		99-101		

MS/MSD

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

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 162530010A	Sample number(s): 8570342-8570361 UNSPK: 8570356									
PCB-1016	< 2.5	0.503	0.707	0.493	0.690	141*	140*	80-121	2	50
PCB-1260	16.57	0.502	23.69	0.492	17.13	1418 (2)	116 (2)	84-125	32	50

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

Quality Control Summary

Client Name: Stantec
Reported: 09/22/2016 18:20

Group Number: 1704364

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: 16258820014A	Sample number(s): 8570342-8570361 BKG: 8570356, P570356			
Moisture	16.12	14.68	9*	5
Moisture	16.12	14.68	9*	5
Moisture Duplicate	16.12	14.68	9*	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 Solids by 8082/3550
Batch number: 162530010A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8570342	113	123
8570343	109	129
8570344	109	107
8570345	124	20*
8570346	114	6*
8570347	137	25*
8570348	111	134
8570349	125	22*
8570350	111	139
8570351	129	23*
8570352	105	23*
8570353	124	21*
8570354	123	15*
8570355	104	8*
8570356	128	38*
8570357	125	77
8570358	131	52
8570359	119	28*
8570360	114	170*
8570361	129	10*
Blank	116	121
LCS	114	122
MS	125	77
MSD	131	52
Limits:	46-148	49-139

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

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1704364 Sample # 8570342-61

COC # 508963 1 of 6

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jan Zerbe

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

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

Analysis Requested / Preservation Codes: PCBs 8082 (Total # of Containers)

For Lab Use Only

FSC:

SCR#:

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

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Total # of Containers	PCBs 8082
W-1 E	9-7-16	913	X		X	1	X
W-1 W	9-7-16	914	X		X	1	X
W-2 E	9-7-16	917	X		X	1	X
W-2 W	9-7-16	918	X		X	1	X
W-3 E	9-7-16	921	X		X	1	X
W-3 W	9-7-16	922	X		X	1	X
W-4 E	9-7-16	924	X		X	1	X
W-4 W	9-7-16	925	X		X	1	X
W-5 E	9-7-16	927	X		X	1	X
W-5 W	9-7-16	928	X		X	1	X

Turnaround Time (TAT) Requested (please circle)

Standard Rush

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

Date results are needed: ____

E-mail address: 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]	9-7-16	1335	[signature]	9-7-16	1350
[signature]	9-7-16	1775			
			[signature]	9/7/16	1775

EDD Required? Yes No

If yes, format: ____

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.1-1.4 °C

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

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

7044 0216

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1704364 Sample # 8570342-61

COC # 508966 4 of 6

For Lab Use Only
FSC:
SCR#:

Client Information

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

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

Analysis Requested — Preservation Codes: PCBs 3550B

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

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Other	Total # of Containers	PCBs 3550B	Remarks
W-14W	9-7-16	1003	X		X			1	X	
W-15E		1005								
W-15W		1006								
W-16E		1008								
W-16W		1009								
W-16W MS		1009								
W-16W MSD		1009								
DUP-2		1009								
W-17E		1011								
W-17W		1012								

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

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-7-16	1335	[signature]	9-7-16	1340
[signature]	9-7-16	1425			
			[signature]		

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

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

Relinquished by Commercial Carrier:
UPS ____ FedEx ____ Other ____
Temperature upon receipt 1.1-1.4°C

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Sample Administration Receipt Documentation Log

Doc Log ID: 161298

Group Number(s): 1704364

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/07/2016 17:25
Number of Packages:	2	Number of Projects:	1
State/Province of Origin:	DE		

Arrival Condition Summary

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

Unpacked by Karen Diem (3060) at 17:50 on 09/07/2016

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	DT131	1.4	DT	Wet	Y	Bagged	N
2	DT131	1.1	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17601-4125
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< 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:

B - Analyte detected in the blank
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…

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: ATD51

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
8570342	W-1E		X	1	
8570343	W-1W		X	1	
8570344	W-2E		X	1	
8570345	W-2W		X	50	
8570346	W-3E		X	10	
8570347	W-3W		X	100	
8570348	W-4E		X	5	
8570349	W-4W		X	50	
8570350	W-5E		X	5	
8570351	W-5W		X	50	
8570352	W-14W		X	50	
8570353	W-15E		X	50	
8570354	W-15W		X	50	
8570355	W-16E		X	20	
8570356	W-16W		X	50	Unspiked
8570357	W-16W MS		X	50	Matrix Spike
8570358	W-16W MSD		X	50	Matrix Spike Duplicate
8570359	DUP-2		X	50	Field Duplicate Sample
8570360	W-17E		X	20	
8570361	W-17W		X	50	

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATD51

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

CALIBRATION/STANDARDIZATION:

(Sample number(s): 8570342-8570361: 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#: 162530010A (Sample number(s): 8570342-8570361, UNSPK: 8570357-8570356)
The recovery(ies) for the following analyte(s) in the MS is outside the acceptance window: PCB-1260
The recovery(ies) for the following analyte(s) in the MS and MSD is outside the acceptance window: PCB-1016
Refer to the QC Summary forms for more information.

Surrogate

Surrogate recoveries that are noncompliant are confirmed unless attributed to a dilution or otherwise noted.

Batch#: 162530010A (Sample number(s): 8570342-8570361, UNSPK: 8570357-8570356)
The recovery(ies) for the following surrogate(s) exceeds the acceptance window:
Decachlorobiphenyl (8570360)
The recovery(ies) for the following surrogate(s) is below the acceptance window:
Decachlorobiphenyl (8570345, 8570346, 8570347, 8570349, 8570351, 8570352, 8570353, 8570354, 8570355, 8570356 UNSPK, 8570359, 8570361)

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

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATD51

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

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: ATD51

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	162530010A	PBLK10253	09/12/2016 02:19:00
		LCS10253	09/12/2016 02:30:00
		8570342	09/12/2016 02:42:00
		8570343	09/12/2016 02:53:00
		8570344	09/20/2016 19:33:00
		8570345	09/12/2016 03:15:00
		8570346	09/12/2016 03:27:00
		8570347	09/12/2016 03:49:00
		8570348	09/12/2016 04:00:00
		8570349	09/12/2016 04:12:00
		8570350	09/12/2016 04:23:00
		8570351	09/12/2016 04:34:00
		8570352	09/12/2016 05:19:00
		8570353	09/12/2016 05:42:00
		8570354	09/12/2016 05:53:00
		8570355	09/12/2016 06:05:00
		8570356 UNSPK	09/12/2016 06:28:00
		8570357 MS	09/12/2016 06:39:00
		8570358 MSD	09/12/2016 06:50:00
		8570359	09/12/2016 07:02:00
		8570360	09/12/2016 07:13:00
		8570361	09/12/2016 07:36:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATD51
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

162530010A / PBLK10253 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	09/12/16	N.D.	mg/kg	0.0099	0.051
PCB-1221	09/12/16	N.D.	mg/kg	0.015	0.051
PCB-1232	09/12/16	N.D.	mg/kg	0.012	0.051
PCB-1242	09/12/16	N.D.	mg/kg	0.012	0.051
PCB-1248	09/12/16	N.D.	mg/kg	0.0099	0.051
PCB-1254	09/12/16	N.D.	mg/kg	0.013	0.051
PCB-1260	09/12/16	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATD51
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

162530010A	Decachlorobiphenyl		Tetrachloro-m-xylene	
	Spike Added	29.3 ug/kg	Spike Added	29.2 ug/kg
Sample	% Recovery	Limits	% Recovery	Limits
PBLK10253	121	49 - 139	116	46 - 148
LCS10253	122	49 - 139	114	46 - 148
8570342	123	49 - 139	113	46 - 148
8570343	129	49 - 139	109	46 - 148
8570344	107	49 - 139	109	46 - 148
8570345	20 *	49 - 139	124	46 - 148
8570346	6 *	49 - 139	114	46 - 148
8570347	25 *	49 - 139	137	46 - 148
8570348	134	49 - 139	111	46 - 148
8570349	22 *	49 - 139	125	46 - 148
8570350	139	49 - 139	111	46 - 148
8570351	23 *	49 - 139	129	46 - 148
8570352	23 *	49 - 139	105	46 - 148
8570353	21 *	49 - 139	124	46 - 148
8570354	15 *	49 - 139	123	46 - 148
8570355	8 *	49 - 139	104	46 - 148
8570356 UNSPK	38 *	49 - 139	128	46 - 148
8570357 MS	77	49 - 139	125	46 - 148
8570358 MSD	52	49 - 139	131	46 - 148
8570359	28 *	49 - 139	119	46 - 148
8570360	170 *	49 - 139	114	46 - 148
8570361	10 *	49 - 139	129	46 - 148

Surrogate recoveries that are noncompliant are confirmed unless attributed to a dilution or otherwise noted.

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

SDG: ATD51
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS10253	Batch: **162530010A** (Sample number(s): 8570342-8570361)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	505	530.33	NA	105	NA	80-121	NA	NA
PCB-1260	504	567.09	NA	113	NA	84-125	NA	NA

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ATD51
Matrix: SOLID

Pesticide Residue Analysis
Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 8570356 MS: 8570357 MSD: 8570358 **Analyte**	Batch: **162530010A** (Sample number(s): 8570342-8570361)								
	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	503 / 493	0	706.99	690.04	141 *	140 *	80-121	2	50
PCB-1260	502 / 492	16566.46	23687.13	17134.94	1418 (2)	116 (2)	84-125	32	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.

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

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

Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	RT OF STANDARDS					MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	RT	FROM	TO
Tetrachloro-m-xylene	2.93	2.93	2.93	2.93	2.93	2.93	2.90	2.96
Decachlorobiphenyl	6.65	6.65	6.64	6.64	6.64	6.64	6.61	6.67

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.44E+05	1.34E+05	1.35E+05	1.30E+05	1.33E+05	1.35E+05	4
Decachlorobiphenyl	8.19E+04	6.51E+04	6.34E+04	6.09E+04	6.30E+04	6.68E+04	13

Average % RSD: 9

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.19	3.17	3.21	2816	2290	1	50	140813	16
					2427		2	100	242653	
					2261		3	200	452188	
					2036		4	500	1017864	
					1908		5	1000	1908158	
	2	3.41	3.39	3.43	2666	2251	1	50	133317	13
					2438		2	100	243838	
					2182		3	200	436384	
					1993		4	500	996532	
					1973		5	1000	1973375	
	3	3.53	3.51	3.55	3303	2735	1	50	165149	14
					2890		2	100	289015	
					2731		3	200	546215	
					2398		4	500	1198798	
					2351		5	1000	2351282	
	4	3.75	3.73	3.77	3597	3100	1	50	179854	11
					3293		2	100	329269	
					3017		3	200	603465	
					2821		4	500	1410522	
					2772		5	1000	2772389	
	5	3.81	3.79	3.83	3104	2640	1	50	155194	13
					2850		2	100	284987	
					2549		3	200	509894	
					2313		4	500	1156610	
					2384		5	1000	2383597	
	6	4.00	3.98	4.02	2432	2037	1	50	121595	14
					2198		2	100	219839	
					1965		3	200	392931	
					1823		4	500	911339	
					1765		5	1000	1764973	
Aroclor-1221	1	3.09	3.07	3.11	1174	1174	1	200	234793	0
	2	3.15	3.13	3.17	988	988	1	200	197626	0
	3	3.19	3.17	3.21	3151	3151	1	200	630231	0
Aroclor-1232	1	3.19	3.17	3.21	3061	3061	1	200	612166	0
	2	3.41	3.39	3.43	1250	1250	1	200	250098	0
	3	3.53	3.51	3.55	1524	1524	1	200	304863	0
	4	3.75	3.73	3.77	1697	1697	1	200	339309	0
	5	3.81	3.79	3.83	1427	1427	1	200	285417	0
	6	4.01	3.99	4.03	1011	1011	1	200	202131	0

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.19	3.17	3.21	1673	1673	1	200	334629	0
	2	3.41	3.39	3.43	1576	1576	1	200	315246	0
	3	3.53	3.51	3.55	1960	1960	1	200	391943	0
	4	3.75	3.73	3.77	2184	2184	1	200	436777	0
	5	3.81	3.79	3.83	1885	1885	1	200	377003	0
	6	4.00	3.98	4.02	1443	1443	1	200	288571	0
Aroclor-1248	1	3.81	3.79	3.83	1773	1496	1	50	88652	14
					1598		2	100	159834	
					1497		3	200	299477	
					1350		4	500	675094	
					1260		5	1000	1260462	
	2	3.87	3.85	3.89	3016	2527	1	50	150813	14
					2755		2	100	275480	
					2483		3	200	496693	
					2236		4	500	1117910	
					2146		5	1000	2146085	
	3	4.00	3.98	4.02	3423	2883	1	50	171160	13
					3047		2	100	304713	
					2835		3	200	566918	
					2600		4	500	1299835	
					2512		5	1000	2512474	
	4	4.09	4.07	4.11	2752	2351	1	50	137576	12
					2523		2	100	252322	
					2321		3	200	464253	
					2116		4	500	1057975	
					2042		5	1000	2042047	
	5	4.27	4.25	4.29	2763	2479	1	50	138133	7
					2537		2	100	253694	
					2436		3	200	487249	
					2342		4	500	1170750	
					2318		5	1000	2318311	
	6	4.66	4.64	4.68	2177	1810	1	50	108874	15
					1936		2	100	193615	
					1811		3	200	362258	
					1610		4	500	805060	
					1513		5	1000	1512654	

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.25	4.23	4.27	3647	3044	1	50	182371	12
					3156		2	100	315624	
					2793		3	250	698172	
					2884		4	500	1441901	
					2737		5	1000	2737456	
	2	4.60	4.58	4.62	3412	2920	1	50	170596	11
					3068		2	100	306767	
					2655		3	250	663787	
					2724		4	500	1362176	
					2741		5	1000	2741059	
	3	4.66	4.64	4.68	6094	5483	1	50	304692	7
					5666		2	100	566643	
					5207		3	250	1301820	
					5195		4	500	2597510	
					5252		5	1000	5252362	
	4	4.79	4.77	4.81	2234	1779	1	50	111720	18
					1964		2	100	196445	
					1590		3	250	397489	
					1622		4	500	810930	
					1485		5	1000	1484649	
	5	4.88	4.86	4.90	3933	3487	1	50	196665	10
					3757		2	100	375671	
					3100		3	250	774924	
					3298		4	500	1648761	
					3349		5	1000	3348653	
	6	5.08	5.06	5.10	3236	2884	1	50	161822	8
					3002		2	100	300158	
					2612		3	250	653096	
					2846		4	500	1422886	
					2723		5	1000	2722582	

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

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	4605	3981	1	50	230250	10
					4190		2	100	418965	
					3771		3	200	754145	
					3616		4	500	1807916	
					3724		5	1000	3724133	
	2	4.98	4.96	5.00	4923	4308	1	50	246168	10
					4500		2	100	449963	
					4248		3	200	849659	
					3882		4	500	1940855	
					3985		5	1000	3985464	
	3	5.25	5.23	5.27	3123	2622	1	50	156136	13
					2745		2	100	274524	
					2630		3	200	526012	
					2224		4	500	1111853	
					2389		5	1000	2388968	
	4	5.42	5.40	5.44	3980	3281	1	50	198983	17
					3628		2	100	362827	
					3243		3	200	648503	
					2983		4	500	1491472	
					2571		5	1000	2570826	
	5	5.66	5.64	5.68	7447	6848	1	50	372350	5
					6892		2	100	689214	
					6631		3	200	1326128	
					6529		4	500	3264300	
					6742		5	1000	6741890	
	6	5.86	5.84	5.88	4298	3905	1	50	214876	7
					4056		2	100	405602	
					3772		3	200	754470	
					3670		4	500	1834981	
					3730		5	1000	3729614	
Aroclor-1262	1	5.25	5.23	5.27	4694	4694	1	200	938880	0
	2	5.42	5.40	5.44	4092	4092	1	200	818367	0
	3	5.66	5.64	5.68	9331	9331	1	200	1866165	0
	4	5.86	5.84	5.88	5342	5342	1	200	1068440	0
	5	5.92	5.90	5.94	2722	2722	1	200	544455	0
	6	6.30	6.28	6.32	3318	3318	1	200	663625	0

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.86	5.84	5.88	10857	10857	1	200	2171307	0
	2	5.92	5.90	5.94	9174	9174	1	200	1834868	0
	3	6.05	6.03	6.07	8795	8795	1	200	1759020	0
	4	6.12	6.10	6.14	2438	2438	1	200	487589	0
	5	6.30	6.28	6.32	3768	3768	1	200	753683	0
	6	6.50	6.48	6.52	25789	25789	1	200	5157728	0

File Name: V:\CP25\25PCBS1620701.CAL
Version: 10

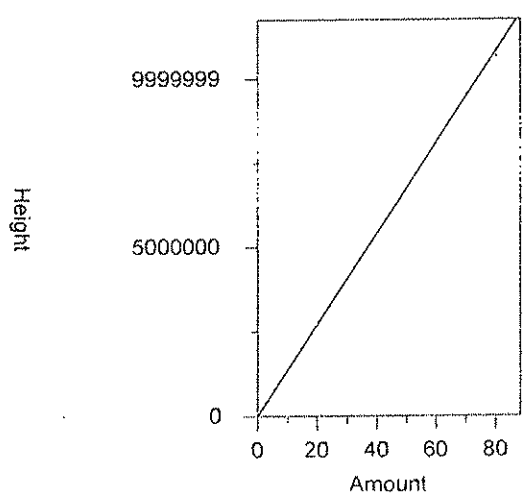
Creator:
Description:
Reason for change:

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: 2.931 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

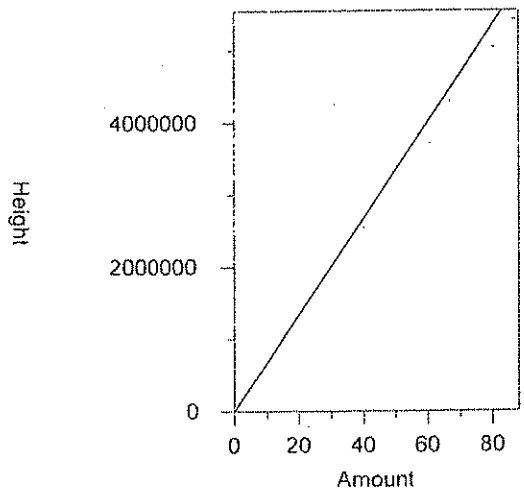
Single peak quantification by height

Y = 135294.9 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.997965
Average error: 2.507%
Average CF: 135294.9
RSD: 3.736%

Level	Amount	Response	Cal Factor	Error, %	Source	D:
1	4.01	575835.3	143599.8	6.138	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0007.BND	7/
2	20.05	2689757	134152.5	-0.844	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0008.BND	7/
3	40.1	5432286	135468.5	0.128	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0009.BND	7/
4	60.952	7926535	130045.5	-3.880	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0010.BND	7/
5	80.2	1.068331E+07	133208.4	-1.542	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0011.BND	7/

2 DCB



Expected retention time: 6.643 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

Single peak quantification by height

Y = 66842.9 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9819596
Average error: 9.023%
Average CF: 66842.9
RSD: 12.810%

Level	Amount	Response	Cal Factor	Error, %	Source	Da
1	4.004	328012.3	81921.16	22.558	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0007.BND	7/2
2	20.02	1302897	65079.77	-2.638	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0008.BND	7/2
3	40.04	2538189	63391.33	-5.164	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0009.BND	7/2
4	60.86	3703575	60854.01	-8.960	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0010.BND	7/2
5	80.08	5042495	62968.22	-5.797	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0011.BND	7/2

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 18274B
Calibration File: 25PCBS1620701B
GC Column (2) : MR-2
ID: 0.32 (mm)
Update File:
Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.60	2.60	2.60	2.60	2.60	2.60	2.57	2.63
Decachlorobiphenyl	6.09	6.09	6.08	6.08	6.08	6.08	6.05	6.11

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1620701B

GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	2.41E+05	2.43E+05	2.50E+05	2.46E+05	2.48E+05	2.46E+05	2
Decachlorobiphenyl	1.94E+05	1.89E+05	1.88E+05	1.88E+05	1.92E+05	1.90E+05	1

Average % RSD: 2

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 18274B Calibration File: 25PCBS1620701B
GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.89	2.87	2.91	4592	4027	1	50	229609	10
					4236		2	100	423590	
					4039		3	200	807741	
					3728		4	500	1863982	
					3539		5	1000	3538536	
	2	3.21	3.19	3.23	5570	4984	1	50	278489	8
					5128		2	100	512784	
					4971		3	200	994133	
					4712		4	500	2355779	
					4541		5	1000	4540596	
	3	3.41	3.39	3.43	5803	5328	1	50	290137	6
					5458		2	100	545776	
					5338		3	200	1067586	
					5025		4	500	2512375	
					5018		5	1000	5017617	
	4	3.48	3.46	3.50	5718	5476	1	50	285891	3
					5493		2	100	549286	
					5549		3	200	1109752	
					5333		4	500	2666585	
					5287		5	1000	5286984	
	5	3.65	3.63	3.67	5060	4654	1	50	253021	7
					4897		2	100	489718	
					4534		3	200	906700	
					4357		4	500	2178382	
					4421		5	1000	4420697	
	6	3.74	3.72	3.76	4280	3998	1	50	214008	6
					4188		2	100	418849	
					3943		3	200	788640	
					3769		4	500	1884364	
					3810		5	1000	3810314	
Aroclor-1221	1	2.77	2.75	2.79	2247	2247	1	200	449404	0
	2	2.83	2.81	2.85	1432	1432	1	200	286372	0
	3	2.89	2.87	2.91	5768	5768	1	200	1153637	0
Aroclor-1232	1	2.89	2.87	2.91	5649	5649	1	200	1129805	0
	2	3.22	3.20	3.24	2698	2698	1	200	539531	0
	3	3.41	3.39	3.43	2875	2875	1	200	575095	0
	4	3.49	3.47	3.51	2821	2821	1	200	564244	0
	5	3.65	3.63	3.67	2208	2208	1	200	441550	0
	6	3.74	3.72	3.76	2028	2028	1	200	405526	0

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 18274B Calibration File: 25PCBS1620701B
GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	2.89	2.87	2.91	2967	2967	1	200	593372	0
	2	3.22	3.20	3.24	3672	3672	1	200	734436	0
	3	3.41	3.39	3.43	3874	3874	1	200	774769	0
	4	3.49	3.47	3.51	3750	3750	1	200	750070	0
	5	3.65	3.63	3.67	3369	3369	1	200	673812	0
	6	3.74	3.72	3.76	2935	2935	1	200	587066	0
Aroclor-1248	1	3.52	3.50	3.54	5815	5356	1	50	290763	7
					5622		2	100	562155	
					5352		3	200	1070339	
					4984		4	500	2491853	
					5010		5	1000	5009640	
	2	3.65	3.63	3.67	6935	6476	1	50	346761	7
					6962		2	100	696200	
					6174		3	200	1234787	
					6253		4	500	3126730	
					6057		5	1000	6057200	
	3	3.74	3.72	3.76	4836	4726	1	50	241820	4
					4965		2	100	496524	
					4783		3	200	956583	
					4543		4	500	2271459	
					4505		5	1000	4504551	
	4	3.87	3.85	3.89	9074	8983	1	50	453692	2
					9212		2	100	921207	
					8957		3	200	1791405	
					8733		4	500	4366342	
					8939		5	1000	8939467	
	5	4.23	4.21	4.25	4238	4051	1	50	211887	3
					4043		2	100	404259	
					4030		3	200	806015	
					3990		4	500	1995121	
					3954		5	1000	3953554	
	6	4.39	4.37	4.41	2411	2428	1	50	120525	2
					2477		2	100	247653	
					2494		3	200	498886	
					2410		4	500	1204783	
					2349		5	1000	2349313	

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1620701B

GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.17	4.15	4.19	7501	7321	1	50	375072	4
					7505		2	100	750537	
					6902		3	250	1725462	
					7446		4	500	3723030	
					7249		5	1000	7249418	
	2	4.23	4.21	4.25	12841	12729	1	50	642044	4
					12671		2	100	1267103	
					11985		3	250	2996254	
					13086		4	500	6542918	
					13062		5	1000	13062430	
	3	4.32	4.30	4.34	6325	5997	1	50	316233	5
					6142		2	100	614241	
					5588		3	250	1397008	
					6052		4	500	3026052	
					5880		5	1000	5879937	
	4	4.39	4.37	4.41	8087	8092	1	50	404342	3
					8085		2	100	808512	
					7708		3	250	1926893	
					8374		4	500	4187104	
					8204		5	1000	8204182	
	5	4.45	4.43	4.47	5211	4852	1	50	260530	5
					4865		2	100	486479	
					4569		3	250	1142276	
					4911		4	500	2455402	
					4707		5	1000	4706802	
	6	4.60	4.58	4.62	5597	5653	1	50	279837	4
					5493		2	100	549307	
					5366		3	250	1341442	
					5856		4	500	2927844	
					5952		5	1000	5951903	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1620701B

GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.31	4.29	4.33	10334	9709	1	50	516708	4
					9880		2	100	987956	
					9405		3	200	1880992	
					9386		4	500	4692886	
					9538		5	1000	9538450	
	2	4.45	4.43	4.47	11176	10989	1	50	558781	2
					11041		2	100	1104068	
					10939		3	200	2187877	
					10626		4	500	5312826	
					11166		5	1000	11165600	
	3	4.55	4.53	4.57	9262	9165	1	50	463124	1
					9253		2	100	925349	
					9038		3	200	1807632	
					9086		4	500	4542856	
					9186		5	1000	9185713	
	4	4.90	4.88	4.92	7327	7305	1	50	366371	1
					7234		2	100	723434	
					7310		3	200	1461923	
					7220		4	500	3609876	
					7432		5	1000	7431988	
	5	5.09	5.07	5.11	15162	16191	1	50	758114	6
					15901		2	100	1590138	
					16167		3	200	3233497	
					15992		4	500	7995832	
					17733		5	1000	17733230	
	6	5.35	5.33	5.37	10619	10849	1	50	530936	2
					10800		2	100	1080014	
					10667		3	200	2133306	
					10872		4	500	5435908	
					11287		5	1000	11286940	
Aroclor-1262	1	4.71	4.69	4.73	12434	12434	1	200	2486755	0
	2	4.90	4.88	4.92	12687	12687	1	200	2537413	0
	3	5.09	5.07	5.11	23284	23284	1	200	4656810	0
	4	5.30	5.28	5.32	9599	9599	1	200	1919848	0
	5	5.35	5.33	5.37	15888	15888	1	200	3177636	0
	6	5.73	5.71	5.75	8536	8536	1	200	1707266	0

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1620701B

GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.31	5.29	5.33	28558	28558	1	200	5711505	0
	2	5.35	5.33	5.37	27644	27644	1	200	5528721	0
	3	5.51	5.49	5.53	24224	24224	1	200	4844822	0
	4	5.57	5.55	5.59	5817	5817	1	200	1163419	0
	5	5.73	5.71	5.75	9799	9799	1	200	1959780	0
	6	5.93	5.91	5.95	80577	80577	1	200	16115480	0

File Name: V:\CP25\25PCBS1620701b.CAL
Version: 8

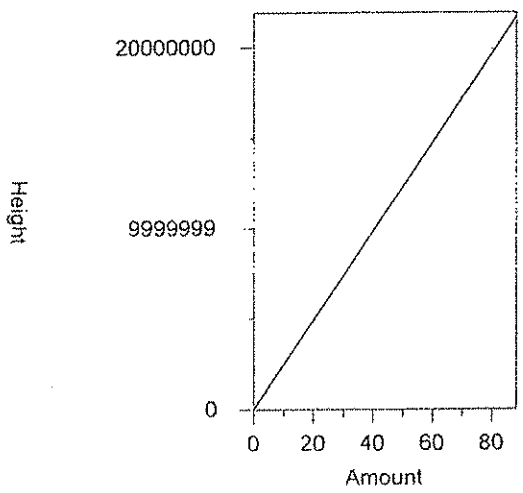
Creator:
Description:
Reason for change:

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: 2.601 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

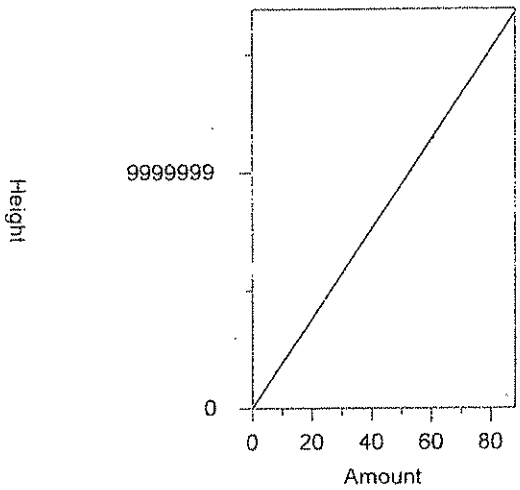
Single peak quantification by height

Y = 245612.3 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9996338
Average error: 1.247%
Average CF: 245612.3
RSD: 1.582%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	964507.3	240525.5	-2.071	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0007.BND
2	20.05	4873008	243042.8	-1.046	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0008.BND
3	40.1	1.002941E+07	250110	1.831	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0009.BND
4	60.952	1.499587E+07	246027.5	0.169	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0010.BND
5	80.2	1.991811E+07	248355.5	1.117	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0011.BND

2 DCB



Expected retention time:	6.084 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 = 190237.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9996699
Average error:	1.190%
Average CF:	190237.8
RSD:	1.431%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.004	777580.2	194200.8	2.083	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0007.BND
2	20.02	3779903	188806.3	-0.752	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0008.BND
3	40.04	7539095	188289.1	-1.024	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0009.BND
4	60.86	1.143905E+07	187956.8	-1.199	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0010.BND
5	80.08	1.537022E+07	191935.8	0.893	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0011.BND

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1625701

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

Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	3.02	3.02	3.02	3.02	3.02	3.02	2.99	3.05
Decachlorobiphenyl	6.74	6.74	6.74	6.74	6.74	6.74	6.71	6.77

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1625701

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.04E+05	1.04E+05	1.00E+05	1.07E+05	9.80E+04	1.03E+05	3
Decachlorobiphenyl	6.63E+04	5.68E+04	5.43E+04	5.82E+04	5.57E+04	5.82E+04	8

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1625701

GC Column (1): ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.27	3.25	3.29	2078	1717	1	50.5	104923	14
					1812		2	101	182972	
					1646		3	202	332497	
					1591		4	505	803494	
					1458		5	1010	1473033	
	2	3.49	3.47	3.51	2133	1755	1	50.5	107715	14
					1867		2	101	188554	
					1630		3	202	329176	
					1665		4	505	840617	
					1479		5	1010	1494095	
	3	3.61	3.59	3.63	2505	2093	1	50.5	126516	13
					2237		2	101	225909	
					1961		3	202	396219	
					1975		4	505	997523	
					1786		5	1010	1804012	
	4	3.83	3.81	3.85	2624	2255	1	50.5	132520	10
					2320		2	101	234290	
					2122		3	202	428648	
					2160		4	505	1090770	
					2050		5	1010	2070625	
	5	3.89	3.87	3.91	2219	1915	1	50.5	112084	10
					1988		2	101	200819	
					1789		3	202	361459	
					1856		4	505	937163	
					1724		5	1010	1741278	
	6	4.08	4.06	4.10	1831	1518	1	50.5	92484	13
					1582		2	101	159776	
					1431		3	202	289004	
					1409		4	505	711485	
					1340		5	1010	1352957	
Aroclor-1221	1	3.17	3.15	3.19	859	859	1	200	171834	0
	2	3.23	3.21	3.25	753	753	1	200	150567	0
	3	3.27	3.25	3.29	2338	2338	1	200	467689	0
Aroclor-1232	1	3.27	3.25	3.29	1902	1902	1	200	380492	0
	2	3.49	3.47	3.51	772	772	1	200	154449	0
	3	3.61	3.59	3.63	949	949	1	200	189734	0
	4	3.83	3.81	3.85	1035	1035	1	200	207052	0
	5	3.89	3.87	3.91	822	822	1	200	164446	0
	6	4.08	4.06	4.10	632	632	1	200	126348	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1625701

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.27	3.25	3.29	1297	1297	1	200	259456	0
	2	3.49	3.47	3.51	1270	1270	1	200	253981	0
	3	3.61	3.59	3.63	1558	1558	1	200	311597	0
	4	3.83	3.81	3.85	1702	1702	1	200	340300	0
	5	3.89	3.87	3.91	1363	1363	1	200	272640	0
	6	4.08	4.06	4.10	1127	1127	1	200	225422	0
Aroclor-1248	1	3.89	3.87	3.91	1225	1052	1	50	61252	12
					1121		2	100	112136	
					1032		3	201	207499	
					961		4	502	482470	
					922		5	1003	924874	
	2	3.95	3.93	3.97	2310	1969	1	50	115484	12
					2095		2	100	209503	
					1909		3	201	383674	
					1740		4	502	873685	
					1789		5	1003	1794575	
	3	4.08	4.06	4.10	2430	2137	1	50	121495	9
					2249		2	100	224920	
					2018		3	201	405685	
					2061		4	502	1034500	
					1925		5	1003	1930769	
	4	4.17	4.15	4.19	1957	1727	1	50	97859	10
					1833		2	100	183337	
					1681		3	201	337864	
					1570		4	502	788156	
					1592		5	1003	1597158	
	5	4.36	4.34	4.38	2136	1917	1	50	106810	8
					2031		2	100	203084	
					1809		3	201	363679	
					1741		4	502	873946	
					1866		5	1003	1871964	
	6	4.76	4.74	4.78	1513	1328	1	50	75658	11
					1424		2	100	142416	
					1311		3	201	263577	
					1201		4	502	602992	
					1193		5	1003	1196152	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342A Calibration File: 20PCBS1625701
GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.34	4.32	4.36	2636	2417	1	50	131809	7
					2536		2	101	256161	
					2308		3	252	581583	
					2331		4	503	1172616	
					2272		5	1006	2285350	
	2	4.69	4.67	4.71	2504	2309	1	50	125216	6
					2427		2	101	245098	
					2186		3	252	550929	
					2207		4	503	1110208	
					2221		5	1006	2234528	
	3	4.76	4.74	4.78	4748	4533	1	50	237378	6
					4807		2	101	485478	
					4168		3	252	1050269	
					4366		4	503	2195895	
					4578		5	1006	4605934	
	4	4.88	4.86	4.90	1627	1411	1	50	81354	11
					1531		2	101	154609	
					1285		3	252	323737	
					1303		4	503	655185	
					1308		5	1006	1315848	
	5	4.98	4.96	5.00	3091	2919	1	50	154539	6
					3111		2	101	314173	
					2735		3	252	689238	
					2781		4	503	1399083	
					2877		5	1006	2894078	
	6	5.18	5.16	5.20	2480	2376	1	50	124001	5
					2434		2	101	245826	
					2196		3	252	553440	
					2397		4	503	1205708	
					2370		5	1006	2384684	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1625701

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.88	4.86	4.90	3617	3188	1	50.41	182325	9
					3324		2	101	335677	
					2995		3	202	604922	
					3073		4	504	1548550	
					2932		5	1008	2955573	
	2	5.18	5.16	5.20	2059	1793	1	50.41	103773	9
					1828		2	101	184579	
					1659		3	202	335152	
					1748		4	504	880759	
					1673		5	1008	1686452	
	3	5.36	5.34	5.38	2611	2234	1	50.41	131600	11
					2321		2	101	234388	
					2053		3	202	414747	
					2174		4	504	1095454	
					2011		5	1008	2026695	
	4	5.52	5.50	5.54	3036	2609	1	50.41	153065	13
					2735		2	101	276196	
					2468		3	202	498616	
					2695		4	504	1358415	
					2108		5	1008	2124876	
	5	5.76	5.74	5.78	6457	6023	1	50.41	325492	5
					5860		2	101	591827	
					5807		3	202	1172915	
					6224		4	504	3137108	
					5768		5	1008	5814460	
	6	5.97	5.95	5.99	3642	3335	1	50.41	183600	7
					3449		2	101	348399	
					3076		3	202	621259	
					3285		4	504	1655574	
					3222		5	1008	3247648	
Aroclor-1262	1	5.35	5.33	5.37	3962	3962	1	201	796332	0
	2	5.52	5.50	5.54	3315	3315	1	201	666232	0
	3	5.76	5.74	5.78	7914	7914	1	201	1590745	0
	4	5.96	5.94	5.98	4293	4293	1	201	862954	0
	5	6.02	6.00	6.04	2154	2154	1	201	432990	0
	6	6.39	6.37	6.41	2741	2741	1	201	550860	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1625701

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.96	5.94	5.98	9533	9533	1	201	1916099	0
	2	6.02	6.00	6.04	7753	7753	1	201	1558326	0
	3	6.15	6.13	6.17	7206	7206	1	201	1448314	0
	4	6.21	6.19	6.23	1802	1802	1	201	362202	0
	5	6.39	6.37	6.41	3069	3069	1	201	616869	0
	6	6.59	6.57	6.61	23906	23906	1	201	4805015	0

File Name: V:\CP20\20PCBS1625701.CAL
Version: 7

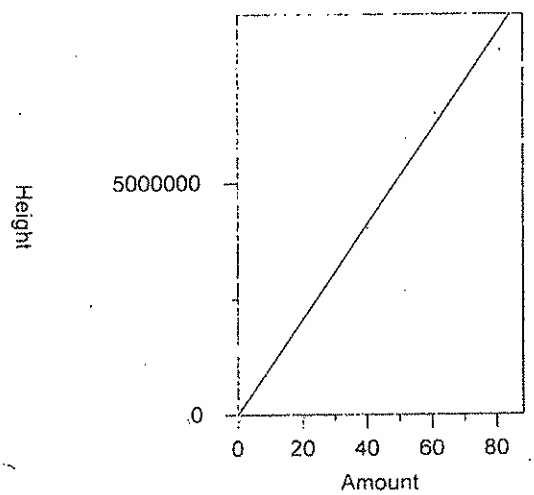
Creator:
Description:
Reason for change:

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: 3.017 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

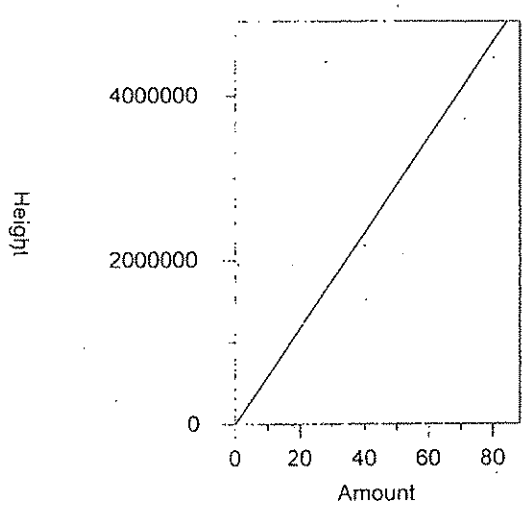
Single peak quantification by height

Y = 102718.5 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9944069
Average error: 2.704%
Average CF: 102718.5
RSD: 3.356%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	416508.1	103919.2	1.169	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.0007.BN
2	20.04	2093075	104444.9	1.681	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.0008.BN
3	40.08	4025850	100445.4	-2.213	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.0009.BN
4	60.92	6502325	106735.5	3.911	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.0010.BN
5	80.16	7859487	98047.48	-4.547	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.0011.BN

2 DCB



Expected retention time:	6.741 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 = 58249.62 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9941284
Average error:	5.518%
Average CF:	58249.62
RSD:	8.079%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	265669.8	66284.88	13.795	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.00
2	20.04	1137820	56777.44	-2.527	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.00
3	40.08	2178244	54347.4	-6.699	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.00
4	60.92	3543063	58159.28	-0.155	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.00
5	80.16	4463235	55679.08	-4.413	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.00

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342B Calibration File: 20PCBS1625701B
GC Column (2) : ZBmultiR2 ID: 30 (mm) Update File:
Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.63	2.63	2.63	2.63	2.63	2.63	2.60	2.66
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: 17342B Calibration File: 20PCBS1625701B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	3.25E+05	3.29E+05	3.10E+05	3.36E+05	3.12E+05	3.22E+05	3
Decachlorobiphenyl	2.81E+05	2.50E+05	2.35E+05	2.49E+05	2.30E+05	2.49E+05	8

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1625701B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.92	2.90	2.94	6197	5314	1	50.5	312943	13
					5814		2	101	587250	
					5129		3	202	1036114	
					5005		4	505	2527643	
					4422		5	1010	4466284	
	2	3.24	3.22	3.26	7240	6314	1	50.5	365597	10
					6530		2	101	659530	
					6109		3	202	1233987	
					6167		4	505	3114377	
					5523		5	1010	5577794	
	3	3.44	3.42	3.46	6902	6277	1	50.5	348526	7
					6544		2	101	660951	
					5941		3	202	1199984	
					6243		4	505	3152586	
					5757		5	1010	5814533	
	4	3.51	3.49	3.53	7398	6712	1	50.5	373589	7
					6859		2	101	692752	
					6404		3	202	1293520	
					6744		4	505	3405672	
					6155		5	1010	6216234	
	5	3.67	3.65	3.69	6359	5653	1	50.5	321149	9
					5924		2	101	598336	
					5362		3	202	1083148	
					5457		4	505	2756034	
					5162		5	1010	5213171	
	6	3.76	3.74	3.78	5152	4648	1	50.5	260187	8
					4872		2	101	492114	
					4378		3	202	884436	
					4519		4	505	2282298	
					4317		5	1010	4360460	
Aroclor-1221	1	2.80	2.78	2.82	2843	2843	1	200	568521	0
	2	2.86	2.84	2.88	1662	1662	1	200	332469	0
	3	2.91	2.89	2.93	7088	7088	1	200	1417558	0
Aroclor-1232	1	2.92	2.90	2.94	5939	5939	1	200	1187827	0
	2	3.24	3.22	3.26	2765	2765	1	200	552996	0
	3	3.44	3.42	3.46	2829	2829	1	200	565755	0
	4	3.51	3.49	3.53	2870	2870	1	200	573977	0
	5	3.67	3.65	3.69	2239	2239	1	200	447819	0
	6	3.76	3.74	3.78	1989	1989	1	200	397865	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1625701B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

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	3927	3927	1	200	785348	0
	2	3.24	3.22	3.26	4477	4477	1	200	895473	0
	3	3.44	3.42	3.46	4516	4516	1	200	903241	0
	4	3.51	3.49	3.53	4728	4728	1	200	945661	0
	5	3.67	3.65	3.69	3994	3994	1	200	798717	0
	6	3.76	3.74	3.78	3466	3466	1	200	693240	0
Aroclor-1248	1	3.44	3.42	3.46	2907	2617	1	50	145337	8
					2766		2	100	276614	
					2495		3	201	501527	
					2483		4	502	1246551	
					2435		5	1003	2442092	
	2	3.54	3.52	3.56	6982	6233	1	50	349118	9
					6597		2	100	659688	
					6173		3	201	1240788	
					5636		4	502	2829319	
					5777		5	1003	5794448	
	3	3.67	3.65	3.69	8429	7578	1	50	421452	7
					7674		2	100	767405	
					7395		3	201	1486432	
					7127		4	502	3577722	
					7262		5	1003	7284189	
	4	3.76	3.74	3.78	5700	5329	1	50	285007	6
					5548		2	100	554751	
					5365		3	201	1078444	
					4954		4	502	2487138	
					5079		5	1003	5094619	
	5	3.89	3.87	3.91	10884	10176	1	50	544183	6
					10714		2	100	1071397	
					9811		3	201	1972101	
					9809		4	502	4924291	
					9663		5	1003	9692167	
	6	4.25	4.23	4.27	5094	4608	1	50	254709	7
					4751		2	100	475065	
					4517		3	201	907895	
					4320		4	502	2168701	
					4358		5	1003	4371402	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1625701B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.19	4.17	4.21	9422	8921	1	50	471087	6
					9367		2	101	946084	
					8136		3	252	2050330	
					8765		4	503	4408924	
					8917		5	1006	8970473	
	2	4.25	4.23	4.27	16055	15347	1	50	802762	5
					16294		2	101	1645669	
					14528		3	252	3661047	
					14885		4	503	7487222	
					14971		5	1006	15061050	
	3	4.35	4.33	4.37	7709	7117	1	50	385466	8
					7706		2	101	778261	
					6608		3	252	1665175	
					6827		4	503	3434152	
					6736		5	1006	6776033	
	4	4.41	4.39	4.43	9848	9552	1	50	492410	6
					10185		2	101	1028656	
					8772		3	252	2210430	
					9242		4	503	4648804	
					9712		5	1006	9770002	
	5	4.48	4.46	4.50	6029	5570	1	50	301465	12
					6129		2	101	618993	
					4488		3	252	1130978	
					5670		4	503	2852128	
					5532		5	1006	5565072	
	6	4.63	4.61	4.65	6624	6842	1	50	331210	4
					7083		2	101	715398	
					6539		3	252	1647909	
					7020		4	503	3530933	
					6941		5	1006	6982778	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342B Calibration File: 20PCBS1625701B
GC Column (2): ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

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	12950	11522	1	50.41	652805	8
					11786		2	101	1190365	
					10886		3	202	2198979	
					11333		4	504	5711694	
					10655		5	1008	10739790	
	2	4.48	4.46	4.50	14896	13395	1	50.41	750903	8
					13841		2	101	1397898	
					12402		3	202	2505256	
					13335		4	504	6720874	
					12501		5	1008	12600930	
	3	4.58	4.56	4.60	11636	10926	1	50.41	586584	6
					11626		2	101	1174229	
					10597		3	202	2140666	
					10499		4	504	5291588	
					10274		5	1008	10355760	
	4	4.93	4.91	4.95	9613	8740	1	50.41	484576	7
					9117		2	101	920840	
					8235		3	202	1663424	
					8643		4	504	4355986	
					8091		5	1008	8156196	
	5	5.13	5.11	5.15	21079	20443	1	50.41	1062572	2
					19862		2	101	2006018	
					20043		3	202	4048600	
					20737		4	504	10451520	
					20495		5	1008	20658840	
	6	5.39	5.37	5.41	14472	13560	1	50.41	729545	5
					13742		2	101	1387893	
					13222		3	202	2670870	
					13658		4	504	6883812	
					12706		5	1008	12807160	
Aroclor-1262	1	4.74	4.72	4.76	13851	13851	1	201	2783962	0
	2	4.93	4.91	4.95	13756	13756	1	201	2764886	0
	3	5.12	5.10	5.14	27613	27613	1	201	5550128	0
	4	5.34	5.32	5.36	10606	10606	1	201	2131815	0
	5	5.39	5.37	5.41	16927	16927	1	201	3402252	0
	6	5.77	5.75	5.79	11155	11155	1	201	2242234	0

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1625701B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 9/13/2016 9/13/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.34	5.32	5.36	32324	32324	1	201	6497108	0
	2	5.39	5.37	5.41	32118	32118	1	201	6455742	0
	3	5.54	5.52	5.56	28945	28945	1	201	5817942	0
	4	5.61	5.59	5.63	6935	6935	1	201	1393964	0
	5	5.77	5.75	5.79	11771	11771	1	201	2365974	0
	6	5.97	5.95	5.99	101085	101085	1	201	20318010	0

File Name: V:\CP20\20PCBS1625701b.CAL
Version: 7

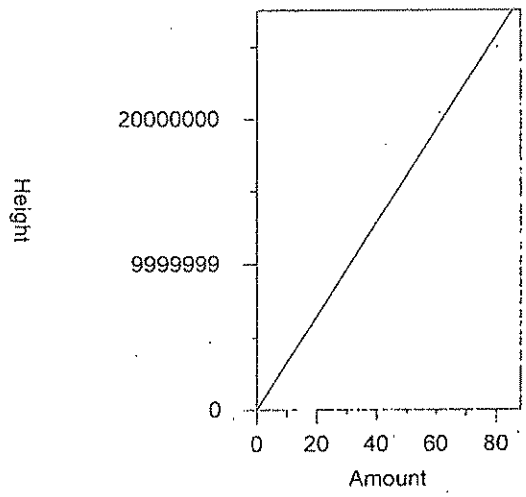
Creator:
Description:
Reason for change:

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: 2.632 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

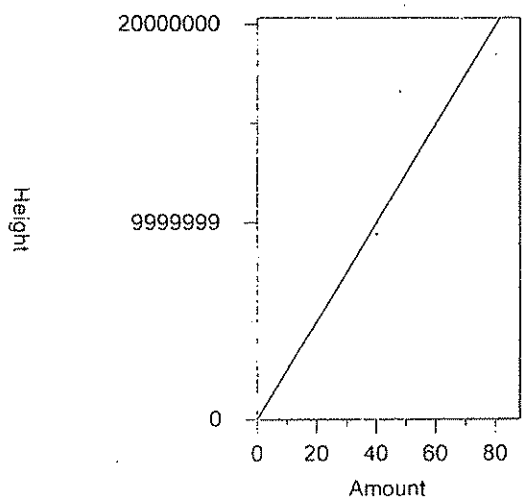
Single peak quantification by height

Y = 322313.3 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9957089
Average error: 2.821%
Average CF: 322313.3
RSD: 3.445%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	1301384	324696.6	0.739	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700 1B.00
2	20.04	6599028	329292.8	2.165	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700 1B.00
3	40.08	1.242363E+07	309970.8	-3.829	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700 1B.00
4	60.92	2.044956E+07	335678.9	4.147	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700 1B.00
5	80.16	2.500409E+07	311927.3	-3.222	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700 1B.00

2 DCB



Expected retention time:	6.127 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 = 249324.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9869567
Average error:	5.299%
Average CF:	249324.8
RSD:	7.965%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	1127386	281283.9	12.818	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700
2	20.04	5017923	250395.3	0.429	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700
3	40.08	9432067	235331	-5.613	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700
4	60.92	1.518358E+07	249238	-0.035	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700
5	80.16	1.846691E+07	230375.6	-7.600	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1625700

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 07/25/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 22:16

Lab File ID: 25PCBS16207001.0029.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: IC16XAA Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	42.14	40.08	5
Decachlorobiphenyl	6.65	6.61	6.67	39.26	40.08	-2
Aroclor-1016	3.19	3.17	3.21	209.64	200.40	5
	3.41	3.39	3.43			
	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	201.44	201.80	0
	4.99	4.96	5.00			
	5.26	5.23	5.27			
	5.42	5.40	5.44			
	5.66	5.64	5.68			
	5.87	5.84	5.88			

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: 07/25/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 22:16

Lab File ID: 25PCBS16207001B.0029.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: IC16XAA Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.60	2.57	2.63	43.89	40.08	10
Decachlorobiphenyl	6.09	6.05	6.11	40.88	40.08	2
Aroclor-1016	2.89	2.87	2.91	207.50	200.40	4
	3.22	3.19	3.23			
	3.41	3.39	3.43			
	3.48	3.46	3.50			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.32	4.29	4.33	206.45	201.80	2
	4.45	4.43	4.47			
	4.56	4.53	4.57			
	4.90	4.88	4.92			
	5.09	5.07	5.11			
	5.35	5.33	5.37			

Compounds 14 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: 07/25/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 22:28

Lab File ID: 25PCBS16207001.0030.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: IC48XAA Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	43.82	40.10	9
Decachlorobiphenyl	6.65	6.61	6.67	39.06	40.04	-2
Aroclor-1248	3.81	3.79	3.83	212.34	200.00	6
	3.88	3.85	3.89			
	4.00	3.98	4.02			
	4.09	4.07	4.11			
	4.27	4.25	4.29			
	4.66	4.64	4.68			

Compounds 8 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 07/25/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 22:28

Lab File ID: 25PCBS16207001B.0030.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: IC48XAA Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.60	2.57	2.63	43.72	40.10	9
Decachlorobiphenyl	6.09	6.05	6.11	42.89	40.04	7
Aroclor-1248	3.52	3.50	3.54	214.33	200.00	7
	3.65	3.63	3.67			
	3.74	3.72	3.76			
	3.87	3.85	3.89			
	4.23	4.21	4.25			
	4.39	4.37	4.41			

Compounds 8 Average of %D: 8

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 07/25/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 22:40

Lab File ID: 25PCBS16207001.0031.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: IC54XAA Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	20.66	19.99	3
Decachlorobiphenyl	6.65	6.61	6.67	20.07	20.00	0
Aroclor-1254	4.26	4.23	4.27	241.16	251.50	-4
	4.60	4.58	4.62			
	4.66	4.64	4.68			
	4.79	4.77	4.81			
	4.88	4.86	4.90			
	5.08	5.06	5.10			

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: 07/25/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 22:40

Lab File ID: 25PCBS16207001B.0031.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: IC54XAA Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.60	2.57	2.63	20.76	19.99	4
Decachlorobiphenyl	6.09	6.05	6.11	19.75	20.00	-1
Aroclor-1254	4.17	4.15	4.19	241.50	251.50	-4
	4.23	4.21	4.25			
	4.32	4.30	4.34			
	4.39	4.37	4.41			
	4.46	4.43	4.47			
	4.60	4.58	4.62			

Compounds 8 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 09/13/16

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 21:58

Lab File ID: 20PCBS16257001.0029.RAW Initial Calibration: 20PCBS1625701

Lab Standard ID: IC16XAA Init. Calib Date(s): 09/13/16 09/13/16

Calibration: 20PCBS1625701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.02	2.99	3.05	38.73	40.08	-3
Decachlorobiphenyl	6.74	6.71	6.77	37.02	40.08	-8
Aroclor-1016	3.27	3.25	3.29	194.57	200.40	-3
	3.49	3.47	3.51			
	3.61	3.59	3.63			
	3.83	3.81	3.85			
	3.89	3.87	3.91			
	4.08	4.06	4.10			
Aroclor-1260	4.88	4.86	4.90	190.77	201.80	-5
	5.18	5.16	5.20			
	5.35	5.34	5.38			
	5.52	5.50	5.54			
	5.76	5.74	5.78			
	5.96	5.95	5.99			

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: 09/13/16

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 21:58

Lab File ID: 20PCBS16257001B.0029.RAW Initial Calibration: 20PCBS1625701B

Lab Standard ID: IC16XAA Init. Calib Date(s): 09/13/16 09/13/16

Calibration: 20PCBS1625701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.63	2.60	2.66	37.22	40.08	-7
Decachlorobiphenyl	6.13	6.10	6.16	35.28	40.08	-12
Aroclor-1016	2.91	2.90	2.94	187.62	200.40	-6
	3.24	3.22	3.26			
	3.43	3.42	3.46			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.34	4.33	4.37	187.60	201.80	-7
	4.48	4.46	4.50			
	4.58	4.56	4.60			
	4.93	4.91	4.95			
	5.12	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 8

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 09/13/16

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 22:10

Lab File ID: 20PCBS16257001.0030.RAW Initial Calibration: 20PCBS1625701

Lab Standard ID: IC48XAA Init. Calib Date(s): 09/13/16 09/13/16

Calibration: 20PCBS1625701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.02	2.99	3.05	38.19	40.08	-5
Decachlorobiphenyl	6.74	6.71	6.77	36.68	40.08	-8
Aroclor-1248	3.89	3.87	3.91	203.42	200.00	2
	3.95	3.93	3.97			
	4.08	4.06	4.10			
	4.17	4.15	4.19			
	4.36	4.34	4.38			
	4.75	4.74	4.78			

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: 09/13/16

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 22:10

Lab File ID: 20PCBS16257001B.0030.RAW Initial Calibration: 20PCBS1625701B

Lab Standard ID: IC48XAA Init. Calib Date(s): 09/13/16 09/13/16

Calibration: 20PCBS1625701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.63	2.60	2.66	36.64	40.08	-9
Decachlorobiphenyl	6.12	6.10	6.16	34.18	40.08	-15
Aroclor-1248	3.43	3.42	3.46	209.22	200.00	5
	3.54	3.52	3.56			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
	3.89	3.87	3.91			
	4.25	4.23	4.27			

Compounds 8 Average of %D: 10

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 09/13/16

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 22:21

Lab File ID: 20PCBS16257001.0031.RAW Initial Calibration: 20PCBS1625701

Lab Standard ID: IC54XAA Init. Calib Date(s): 09/13/16 09/13/16

Calibration: 20PCBS1625701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.02	2.99	3.05	19.13	19.99	-4
Decachlorobiphenyl	6.74	6.71	6.77	18.00	20.00	-10
Aroclor-1254	4.34	4.32	4.36	229.24	251.50	-9
	4.69	4.67	4.71			
	4.76	4.74	4.78			
	4.88	4.86	4.90			
	4.98	4.96	5.00			
	5.18	5.16	5.20			

Compounds 8 Average of %D: 8

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 09/13/16

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 22:21

Lab File ID: 20PCBS16257001B.0031.RAW Initial Calibration: 20PCBS1625701B

Lab Standard ID: IC54XAA Init. Calib Date(s): 09/13/16 09/13/16

Calibration: 20PCBS1625701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.63	2.60	2.66	19.11	19.99	-4
Decachlorobiphenyl	6.13	6.10	6.16	18.45	20.00	-8
Aroclor-1254	4.19	4.17	4.21	219.93	251.50	-13
	4.25	4.23	4.27			
	4.34	4.33	4.37			
	4.41	4.39	4.43			
	4.48	4.46	4.50			
	4.63	4.61	4.65			

Compounds 8 Average of %D: 8

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/12/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 0:48

Lab File ID: 25PCBS16207031.0027.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: AR163BJ Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	41.15	40.08	3
Decachlorobiphenyl	6.63	6.61	6.67	40.25	40.08	0
Aroclor-1016	3.19	3.17	3.21	200.10	202.00	-1
	3.40	3.39	3.43			
	3.52	3.51	3.55			
	3.74	3.73	3.77			
	3.79	3.79	3.83			
	3.99	3.98	4.02			
Aroclor-1260	4.77	4.76	4.80	205.76	201.64	2
	4.97	4.96	5.00			
	5.24	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.64	5.68			
	5.85	5.84	5.88			

Compounds 14 Average of %D: 2

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/12/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 0:48

Lab File ID: 25PCBS16207031B.0027.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: AR163BJ Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.60	2.57	2.63	42.52	40.08	6
Decachlorobiphenyl	6.08	6.05	6.11	36.06	40.08	-10
Aroclor-1016	2.88	2.87	2.91	211.31	202.00	5
	3.21	3.19	3.23			
	3.40	3.39	3.43			
	3.48	3.46	3.50			
	3.64	3.63	3.67			
	3.73	3.72	3.76			
Aroclor-1260	4.31	4.29	4.33	204.73	201.64	2
	4.44	4.43	4.47			
	4.54	4.53	4.57			
	4.89	4.88	4.92			
	5.08	5.07	5.11			
	5.34	5.33	5.37			

Compounds 14 Average of %D: 6

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/12/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 4:57

Lab File ID: 25PCBS16207031.0049.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: AR163BK Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	41.42	40.08	3
Decachlorobiphenyl	6.63	6.61	6.67	44.46	40.08	11
Aroclor-1016	3.18	3.17	3.21	205.67	202.00	2
	3.40	3.39	3.43			
	3.52	3.51	3.55			
	3.73	3.73	3.77			
	3.79	3.79	3.83			
	3.99	3.98	4.02			
Aroclor-1260	4.77	4.76	4.80	218.03	201.64	8
	4.97	4.96	5.00			
	5.24	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.64	5.68			
	5.85	5.84	5.88			

Compounds 14 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/12/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 4:57

Lab File ID: 25PCBS16207031B.0049.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: AR163BK Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.60	2.57	2.63	43.43	40.08	8
Decachlorobiphenyl	6.07	6.05	6.11	44.03	40.08	10
Aroclor-1016	2.88	2.87	2.91	214.61	202.00	6
	3.21	3.19	3.23			
	3.40	3.39	3.43			
	3.48	3.46	3.50			
	3.64	3.63	3.67			
	3.73	3.72	3.76			
Aroclor-1260	4.31	4.29	4.33	219.50	201.64	9
	4.44	4.43	4.47			
	4.54	4.53	4.57			
	4.89	4.88	4.92			
	5.08	5.07	5.11			
	5.34	5.33	5.37			

Compounds 14 Average of %D: 8

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/12/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 7:47

Lab File ID: 25PCBS16207031.0064.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: AR163BL Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	41.65	40.08	4
Decachlorobiphenyl	6.63	6.61	6.67	41.87	40.08	4
Aroclor-1016	3.19	3.17	3.21	203.70	202.00	1
	3.40	3.39	3.43			
	3.52	3.51	3.55			
	3.74	3.73	3.77			
	3.80	3.79	3.83			
	3.99	3.98	4.02			
Aroclor-1260	4.77	4.76	4.80	210.27	201.64	4
	4.97	4.96	5.00			
	5.24	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.64	5.68			
	5.85	5.84	5.88			

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/12/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 7:47

Lab File ID: 25PCBS16207031B.0064.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: AR163BL Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.60	2.57	2.63	43.38	40.08	8
Decachlorobiphenyl	6.08	6.05	6.11	42.52	40.08	6
Aroclor-1016	2.88	2.87	2.91	214.27	202.00	6
	3.21	3.19	3.23			
	3.40	3.39	3.43			
	3.48	3.46	3.50			
	3.64	3.63	3.67			
	3.73	3.72	3.76			
Aroclor-1260	4.31	4.29	4.33	217.83	201.64	8
	4.44	4.43	4.47			
	4.54	4.53	4.57			
	4.89	4.88	4.92			
	5.08	5.07	5.11			
	5.34	5.33	5.37			

Compounds 14 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 09/20/16

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 19:11

Lab File ID: 20PCBS16257005.0005.RAW Initial Calibration: 20PCBS1625701

Lab Standard ID: AR163EU Init. Calib Date(s): 09/13/16 09/13/16

Calibration: 20PCBS1625701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.02	2.99	3.05	37.24	40.08	-7
Decachlorobiphenyl	6.75	6.71	6.77	34.63	40.08	-14
Aroclor-1016	3.28	3.25	3.29	185.61	202.00	-8
	3.49	3.47	3.51			
	3.61	3.59	3.63			
	3.83	3.81	3.85			
	3.89	3.87	3.91			
	4.09	4.06	4.10			
Aroclor-1260	4.88	4.86	4.90	185.84	201.64	-8
	5.18	5.16	5.20			
	5.36	5.34	5.38			
	5.52	5.50	5.54			
	5.76	5.74	5.78			
	5.97	5.95	5.99			

Compounds 14 Average of %D: 9

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 09/20/16

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 19:11

Lab File ID: 20PCBS16257005B.0005.RAW Initial Calibration: 20PCBS1625701B

Lab Standard ID: AR163EU Init. Calib Date(s): 09/13/16 09/13/16

Calibration: 20PCBS1625701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.63	2.60	2.66	38.72	40.08	-3
Decachlorobiphenyl	6.13	6.10	6.16	36.17	40.08	-10
Aroclor-1016	2.91	2.90	2.94	195.40	202.00	-3
	3.24	3.22	3.26			
	3.44	3.42	3.46			
	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	196.97	201.64	-2
	4.48	4.46	4.50			
	4.59	4.56	4.60			
	4.93	4.91	4.95			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 09/20/16

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 23:22

Lab File ID: 20PCBS16257005.0027.RAW Initial Calibration: 20PCBS1625701

Lab Standard ID: AR163EV Init. Calib Date(s): 09/13/16 09/13/16

Calibration: 20PCBS1625701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.02	2.99	3.05	37.97	40.08	-5
Decachlorobiphenyl	6.74	6.71	6.77	34.65	40.08	-14
Aroclor-1016	3.27	3.25	3.29	189.23	202.00	-6
	3.49	3.47	3.51			
	3.61	3.59	3.63			
	3.83	3.81	3.85			
	3.89	3.87	3.91			
	4.08	4.06	4.10			
Aroclor-1260	4.88	4.86	4.90	184.49	201.64	-9
	5.18	5.16	5.20			
	5.35	5.34	5.38			
	5.52	5.50	5.54			
	5.76	5.74	5.78			
	5.96	5.95	5.99			

Compounds 14 Average of %D: 9

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342B
Date Analyzed: 09/20/16
GC Column (2) : ZBmultiR2 ID: 30 (mm)
Time Analyzed: 23:22
Lab File ID: 20PCBS16257005B.0027.RAW
Initial Calibration: 20PCBS1625701B
Lab Standard ID: AR163EV
Init. Calib Date(s): 09/13/16 09/13/16
Calibration: 20PCBS1625701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.63	2.60	2.66	37.44	40.08	-7
Decachlorobiphenyl	6.12	6.10	6.16	35.56	40.08	-11
Aroclor-1016	2.91	2.90	2.94	194.82	202.00	-4
	3.24	3.22	3.26			
	3.43	3.42	3.46			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.34	4.33	4.37	192.39	201.64	-5
	4.48	4.46	4.50			
	4.58	4.56	4.60			
	4.93	4.91	4.95			
	5.12	5.11	5.15			
	5.38	5.37	5.41			

Compounds 14
Average of %D: 7

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS16207001
Instrument P 25--18274A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	25PCBS16207001.0001	CONDITIONER		7/25/16 16:49	1620699999	1.00
2855	25PCBS16207001.0002	CONDITIONER		7/25/16 17:01	1620699999	1.00
2855	25PCBS16207001.0003	CONDITIONER		7/25/16 17:12	1620699999	1.00
2855	25PCBS16207001.0004	CONDITIONER		7/25/16 17:24	1620699999	1.00
2855	25PCBS16207001.0005	IBLKX1624A	PIBLKAA	7/25/16 17:36	1620699999	10.00
2855	25PCBS16207001.0006	EVALX1624A	EVALXAA	7/25/16 17:47	1620699999	1.00
2855	25PCBS16207001.0007	AR1611624B	AR161AA	7/25/16 17:59	1620699999	1.00
2855	25PCBS16207001.0008	AR1621624B	AR162AA	7/25/16 18:11	1620699999	1.00
2855	25PCBS16207001.0009	AR1631624B	AR163AA	7/25/16 18:23	1620699999	1.00
2855	25PCBS16207001.0010	AR1641624B	AR164AA	7/25/16 18:34	1620699999	1.00
2855	25PCBS16207001.0011	AR1651624B	AR165AA	7/25/16 18:46	1620699999	1.00
2855	25PCBS16207001.0012	AR4811624A	AR481AA	7/25/16 18:57	1620699999	1.00
2855	25PCBS16207001.0013	AR4821624A	AR482AA	7/25/16 19:09	1620699999	1.00
2855	25PCBS16207001.0014	AR4831624A	AR483AA	7/25/16 19:21	1620699999	1.00
2855	25PCBS16207001.0015	AR4841624A	AR484AA	7/25/16 19:33	1620699999	1.00
2855	25PCBS16207001.0016	AR4851624A	AR485AA	7/25/16 19:44	1620699999	1.00
2855	25PCBS16207001.0017	AR5411624A	AR541AA	7/25/16 19:56	1620699999	1.00
2855	25PCBS16207001.0018	AR5421624B	AR542AA	7/25/16 20:08	1620699999	1.00
2855	25PCBS16207001.0019	AR5431624A	AR543AA	7/25/16 20:19	1620699999	1.00
2855	25PCBS16207001.0020	AR5441624A	AR544AA	7/25/16 20:31	1620699999	1.00
2855	25PCBS16207001.0021	AR5451624A	AR545AA	7/25/16 20:42	1620699999	1.00
2855	25PCBS16207001.0022	AR6231624A	AR623AA	7/25/16 20:54	1620699999	1.00
2855	25PCBS16207001.0023	AR6831624B	AR683AA	7/25/16 21:06	1620699999	1.00
2855	25PCBS16207001.0024	AR2131624A	AR213AA	7/25/16 21:18	1620699999	1.00
2855	25PCBS16207001.0025	AR3231624A	AR323AA	7/25/16 21:29	1620699999	1.00
2855	25PCBS16207001.0026	AR4231624A	AR423AA	7/25/16 21:41	1620699999	1.00
2855	25PCBS16207001.0027	AR16XX1624B	AR16XAA	7/25/16 21:53	1620699999	1.00
2855	25PCBS16207001.0028	MD16X1624B	MD16XAA	7/25/16 22:04	1620699999	1.00
2855	25PCBS16207001.0029	IC16X1624B	IC16XAA	7/25/16 22:16	1620699999	1.00
2855	25PCBS16207001.0030	IC48X1624A	IC48XAA	7/25/16 22:28	1620699999	1.00
2855	25PCBS16207001.0031	IC54X1624A	IC54XAA	7/25/16 22:40	1620699999	1.00

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Pesticide Residue Analysis
Runlog for 25PCBS16207031
Instrument P 25--18274A

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

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2855	25PCBS16207031.0001	CONDITIONER		9/11/16 19:53	1625499999	1.00
2855	25PCBS16207031.0002	CONDITIONER		9/11/16 20:04	1625499999	1.00
2855	25PCBS16207031.0003	CONDITIONER		9/11/16 20:16	1625499999	1.00
2855	25PCBS16207031.0004	CONDITIONER		9/11/16 20:27	1625499999	1.00
2855	25PCBS16207031.0005	AR1631624B	AR163BI	9/11/16 20:38	1625499999	1.00
2855	25PCBS16207031.0006	IBLKX1624B	PIBLKKI	9/11/16 20:50	1625499999	10.00
2855	25PCBS16207031.0007	BLANKA 9/9/16 ACF	PBLK25252	9/11/16 21:01	162520025A	10.00
2855	25PCBS16207031.0008	LCSA 9/9/16 ACF	LCS25252	9/11/16 21:12	162520025A	10.00
2855	25PCBS16207031.0009	LCSD 9/9/16 ACF	LCSDWU	9/11/16 21:24	162520025A	10.00
2855	25PCBS16207031.0010	8565623ACF DF100	A4901	9/11/16 21:35	162520025A	1,000.00
2855	25PCBS16207031.0011	8565623ACF DF200	A4901	9/11/16 21:46	162520025A	2,000.00
2855	25PCBS16207031.0012	8565624ACF DF100	A4902	9/11/16 21:57	162520025A	1,000.00
2855	25PCBS16207031.0013	8565624ACF DF200	A4902	9/11/16 22:09	162520025A	2,000.00
2855	25PCBS16207031.0014	8565625ACF DF50	A4903	9/11/16 22:20	162520025A	500.00
2855	25PCBS16207031.0015	8565625ACF DF100	A4903	9/11/16 22:31	162520025A	1,000.00
2855	25PCBS16207031.0016	8565625ACF DF200	A4903	9/11/16 22:43	162520025A	2,000.00
2855	25PCBS16207031.0017	8565626ACF DF100	A4904	9/11/16 22:54	162520025A	5,000.00
2855	25PCBS16207031.0018	8565626ACF DF200	A4904	9/11/16 23:05	162520025A	10,000.00
2855	25PCBS16207031.0019	8565627ACF DF50	A4905	9/11/16 23:17	162520025A	500.00
2855	25PCBS16207031.0020	8565627ACF DF100	A4905	9/11/16 23:28	162520025A	1,000.00
2855	25PCBS16207031.0021	8565628ACF DF100	A4906	9/11/16 23:40	162520025A	1,000.00
2855	25PCBS16207031.0022	8565628ACF DF200	A4906	9/11/16 23:51	162520025A	2,000.00
2855	25PCBS16207031.0023	8565629ACF DF100	A4907	9/12/16 0:02	162520025A	1,000.00
2855	25PCBS16207031.0024	8565629ACF DF200	A4907	9/12/16 0:14	162520025A	2,000.00
2855	25PCBS16207031.0025	8565630ACF DF100	A4908	9/12/16 0:25	162520025A	1,000.00
2855	25PCBS16207031.0026	8565630ACF DF200	A4908	9/12/16 0:37	162520025A	2,000.00
2855	25PCBS16207031.0027	AR1631624B	AR163BJ	9/12/16 0:48	1625499999	1.00
2855	25PCBS16207031.0028	IBLKX1624B	PIBLKKJ	9/12/16 0:59	1625499999	10.00
2855	25PCBS16207031.0029	8565631ACF DF100	A4909	9/12/16 1:11	162520025A	1,000.00
2855	25PCBS16207031.0030	8565631ACF DF200	A4909	9/12/16 1:22	162520025A	2,000.00
2855	25PCBS16207031.0031	8565632ACF DF100	A4910	9/12/16 1:34	162520025A	1,000.00
2855	25PCBS16207031.0032	8565632ACF DF200	A4910	9/12/16 1:45	162520025A	2,000.00
2855	25PCBS16207031.0033	8565633ACF DF50	A4911	9/12/16 1:56	162520025A	500.00
2855	25PCBS16207031.0034	8565633ACF DF100	A4911	9/12/16 2:08	162520025A	1,000.00
2855	25PCBS16207031.0035	BLANKA 9/10/16 ACF	PBLK10253	9/12/16 2:19	162530010A	10.00
2855	25PCBS16207031.0036	LCSA 9/10/16 ACF	LCS10253	9/12/16 2:30	162530010A	10.00
2855	25PCBS16207031.0037	8570342ACF	A5101	9/12/16 2:42	162530010A	10.00
2855	25PCBS16207031.0038	8570343ACF	A5102	9/12/16 2:53	162530010A	10.00
2855	25PCBS16207031.0039	8570344ACF DF20	A5103	9/12/16 3:04	162530010A	200.00
2855	25PCBS16207031.0040	8570345ACF DF50	A5104	9/12/16 3:15	162530010A	500.00
2855	25PCBS16207031.0041	8570346ACF DF10	A5105	9/12/16 3:27	162530010A	100.00
2855	25PCBS16207031.0042	8570347ACF DF50	A5106	9/12/16 3:38	162530010A	500.00
2855	25PCBS16207031.0043	8570347ACF DF100	A5106	9/12/16 3:49	162530010A	1,000.00
2855	25PCBS16207031.0044	8570348ACF DF5	A5107	9/12/16 4:00	162530010A	50.00
2855	25PCBS16207031.0045	8570349ACF DF50	A5108	9/12/16 4:12	162530010A	500.00
2855	25PCBS16207031.0046	8570350ACF DF5	A5109	9/12/16 4:23	162530010A	50.00
2855	25PCBS16207031.0047	8570351ACF DF50	A5110	9/12/16 4:34	162530010A	500.00
2855	25PCBS16207031.0048	8570351ACF DF100	A5110	9/12/16 4:46	162530010A	1,000.00
2855	25PCBS16207031.0049	AR1631624B	AR163BK	9/12/16 4:57	1625499999	1.00
2855	25PCBS16207031.0050	IBLKX1624B	PIBLKKK	9/12/16 5:08	1625499999	10.00
2855	25PCBS16207031.0051	8570352ACF DF50	A5111	9/12/16 5:19	162530010A	500.00
2855	25PCBS16207031.0052	8570352ACF DF100	A5111	9/12/16 5:31	162530010A	1,000.00
2855	25PCBS16207031.0053	8570353ACF DF50	A5112	9/12/16 5:42	162530010A	500.00
2855	25PCBS16207031.0054	8570354ACF DF50	A5113	9/12/16 5:53	162530010A	500.00
2855	25PCBS16207031.0055	8570355ACF DF20	A5114	9/12/16 6:05	162530010A	200.00
2855	25PCBS16207031.0056	8570355ACF DF50	A5114	9/12/16 6:16	162530010A	500.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	25PCBS16207031.0057	8570356ACF DF50	A5115	9/12/16 6:28	162530010A	500.00
2855	25PCBS16207031.0058	8570357MSACF DF5	A5115	9/12/16 6:39	162530010A	500.00
2855	25PCBS16207031.0059	8570358MSDACF DF	A5115	9/12/16 6:50	162530010A	500.00
2855	25PCBS16207031.0060	8570359ACF DF50	A5116	9/12/16 7:02	162530010A	500.00
2855	25PCBS16207031.0061	8570360ACF DF20	A5117	9/12/16 7:13	162530010A	200.00
2855	25PCBS16207031.0062	8570361ACF DF20	A5118	9/12/16 7:25	162530010A	200.00
2855	25PCBS16207031.0063	8570361ACF DF50	A5118	9/12/16 7:36	162530010A	500.00
2855	25PCBS16207031.0064	AR1631624B	AR163BL	9/12/16 7:47	1625499999	1.00
2855	25PCBS16207031.0065	IBLKX1624B	PIBLKKL	9/12/16 7:59	1625499999	10.00

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Pesticide Residue Analysis
Runlog for 20PCBS16257001
Instrument P 20--17342A

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9065	20PCBS16257001.0001	CONDITIONER		9/13/16 16:37	1625699999	1.00
9065	20PCBS16257001.0002	CONDITIONER		9/13/16 16:49	1625699999	1.00
9065	20PCBS16257001.0003	CONDITIONER		9/13/16 17:00	1625699999	1.00
9065	20PCBS16257001.0004	CONDITIONER		9/13/16 17:12	1625699999	1.00
9065	20PCBS16257001.0005	IBLKX1624B	PIBLKAA	9/13/16 17:23	1625699999	10.00
9065	20PCBS16257001.0006	EVALX1624A	EVALXAA	9/13/16 17:35	1625699999	1.00
9065	20PCBS16257001.0007	AR1611624B	AR161AA	9/13/16 17:46	1625699999	1.00
9065	20PCBS16257001.0008	AR1621624B	AR162AA	9/13/16 17:58	1625699999	1.00
9065	20PCBS16257001.0009	AR1631624B	AR163AA	9/13/16 18:09	1625699999	1.00
9065	20PCBS16257001.0010	AR1641624B	AR164AA	9/13/16 18:21	1625699999	1.00
9065	20PCBS16257001.0011	AR1651624B	AR165AA	9/13/16 18:32	1625699999	1.00
9065	20PCBS16257001.0012	AR4811624B	AR481AA	9/13/16 18:44	1625699999	1.00
9065	20PCBS16257001.0013	AR4821624B	AR482AA	9/13/16 18:55	1625699999	1.00
9065	20PCBS16257001.0014	AR4831624B	AR483AA	9/13/16 19:06	1625699999	1.00
9065	20PCBS16257001.0015	AR4841624B	AR484AA	9/13/16 19:18	1625699999	1.00
9065	20PCBS16257001.0016	AR4851624B	AR485AA	9/13/16 19:29	1625699999	1.00
9065	20PCBS16257001.0017	AR5411624A	AR541AA	9/13/16 19:41	1625699999	1.00
9065	20PCBS16257001.0018	AR5421624B	AR542AA	9/13/16 19:52	1625699999	1.00
9065	20PCBS16257001.0019	AR5431624A	AR543AA	9/13/16 20:04	1625699999	1.00
9065	20PCBS16257001.0020	AR5441624A	AR544AA	9/13/16 20:15	1625699999	1.00
9065	20PCBS16257001.0021	AR5451624A	AR545AA	9/13/16 20:27	1625699999	1.00
9065	20PCBS16257001.0022	AR6231624A	AR623AA	9/13/16 20:38	1625699999	1.00
9065	20PCBS16257001.0023	AR6831624B	AR683AA	9/13/16 20:50	1625699999	1.00
9065	20PCBS16257001.0024	AR2131624A	AR213AA	9/13/16 21:01	1625699999	1.00
9065	20PCBS16257001.0025	AR3231624D	AR323AA	9/13/16 21:12	1625699999	1.00
9065	20PCBS16257001.0026	AR4231624A	AR423AA	9/13/16 21:24	1625699999	1.00
9065	20PCBS16257001.0027	AR16XX1624B	AR16XAA	9/13/16 21:35	1625699999	1.00
9065	20PCBS16257001.0028	MD16X1624B	MD16XAA	9/13/16 21:47	1625699999	1.00
9065	20PCBS16257001.0029	IC16X1624B	IC16XAA	9/13/16 21:58	1625699999	1.00
9065	20PCBS16257001.0030	IC48X1624B	IC48XAA	9/13/16 22:10	1625699999	1.00
9065	20PCBS16257001.0031	IC54X1624A	IC54XAA	9/13/16 22:21	1625699999	1.00
9065	20PCBS16257001.0032	AR1631624B	AR163CG	9/13/16 22:33	1625699999	1.00
9065	20PCBS16257001.0033	IBLKX1624B	PIBLKLL	9/13/16 22:44	1625699999	10.00
9065	20PCBS16257001.0034	8552923MS RI ACF	ESI88	9/13/16 22:55	162500042A	50.00
9065	20PCBS16257001.0035	8552924MSD RI ACF	ESI88	9/13/16 23:07	162500042A	50.00
9065	20PCBS16257001.0036	8552926 RI ACF DF5	ESI89	9/13/16 23:18	162500042A	50.00
9065	20PCBS16257001.0037	8552927 RI ACF	ESI90	9/13/16 23:30	162500042A	10.00
9065	20PCBS16257001.0038	8552928 RI ACF DF5	ES102	9/13/16 23:41	162500042A	50.00
9065	20PCBS16257001.0039	8552929 RI ACF DF5	ES101	9/13/16 23:53	162500042A	50.00
9065	20PCBS16257001.0040	8552930 RI ACF DF5	ESI99	9/14/16 0:04	162500042A	50.00
9065	20PCBS16257001.0041	8552931 RI ACF	ESI98	9/14/16 0:15	162500042A	10.00
9065	20PCBS16257001.0042	8552948 RI ACF	LV483	9/14/16 0:27	162500042A	10.00
9065	20PCBS16257001.0043	8552949 RI ACF DF5	LV477	9/14/16 0:39	162500042A	50.00
9065	20PCBS16257001.0044	AR1631624B	AR163CF	9/14/16 0:50	1625699999	1.00
9065	20PCBS16257001.0045	IBLKX1624B	PIBLKLK	9/14/16 1:01	1625699999	10.00

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Pesticide Residue Analysis
Runlog for 20PCBS16257005
Instrument P 20--17342A

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

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2855	20PCBS16257005.0001	CONDITIONER		9/20/16 18:25	1626399999	1.00
2855	20PCBS16257005.0002	CONDITIONER		9/20/16 18:36	1626399999	1.00
2855	20PCBS16257005.0003	CONDITIONER		9/20/16 18:48	1626399999	1.00
2855	20PCBS16257005.0004	CONDITIONER		9/20/16 18:59	1626399999	1.00
2855	20PCBS16257005.0005	AR1631624B	AR163EU	9/20/16 19:11	1626399999	1.00
2855	20PCBS16257005.0006	IBLKX1624B	PIBLKPM	9/20/16 19:22	1626399999	10.00
2855	20PCBS16257005.0007	8570344ACF	A5103	9/20/16 19:33	162530010A	10.00
2855	20PCBS16257005.0008	BLANKA 9/19/16 ACF	PBLK02263	9/20/16 19:45	162630002A	10.00
2855	20PCBS16257005.0009	LCSA 9/19/16 ACF	LCS02263	9/20/16 19:56	162630002A	10.00
2855	20PCBS16257005.0010	8572568ACF DF50	A5601	9/20/16 20:08	162630002A	500.00
2855	20PCBS16257005.0011	8572569ACF DF10	A5602	9/20/16 20:19	162630002A	100.00
2855	20PCBS16257005.0012	8572570ACF DF10	A5603	9/20/16 20:30	162630002A	100.00
2855	20PCBS16257005.0013	8572571ACF DF20	A5604	9/20/16 20:42	162630002A	200.00
2855	20PCBS16257005.0014	8572572ACF DF50	A5605	9/20/16 20:53	162630002A	500.00
2855	20PCBS16257005.0015	8572572ACF DF100	A5605	9/20/16 21:05	162630002A	1,000.00
2855	20PCBS16257005.0016	8572573ACF DF5	A5606	9/20/16 21:16	162630002A	50.00
2855	20PCBS16257005.0017	8572573ACF DF10	A5606	9/20/16 21:27	162630002A	100.00
2855	20PCBS16257005.0018	8572586ACF DF20	A5617	9/20/16 21:39	162630002A	200.00
2855	20PCBS16257005.0019	8572586MSACF DF2	A5617MS	9/20/16 21:50	162630002A	200.00
2855	20PCBS16257005.0020	8572586MSDACF DF	A5617MSD	9/20/16 22:02	162630002A	200.00
2855	20PCBS16257005.0021	BLANKA 9/19/16 ACF	PBLK04263	9/20/16 22:13	162630004A	10.00
2855	20PCBS16257005.0022	LCSA 9/19/16 ACF	LCS04263	9/20/16 22:25	162630004A	10.00
2855	20PCBS16257005.0023	8572574ACF DF20	A5607	9/20/16 22:36	162630004A	200.00
2855	20PCBS16257005.0024	8572575ACF DF10	A5608	9/20/16 22:48	162630004A	100.00
2855	20PCBS16257005.0025	8572576ACF DF5	A5609	9/20/16 22:59	162630004A	50.00
2855	20PCBS16257005.0026	8572577ACF DF20	A5610	9/20/16 23:11	162630004A	200.00
2855	20PCBS16257005.0027	AR1631624B	AR163EV	9/20/16 23:22	1626399999	1.00
2855	20PCBS16257005.0028	IBLKX1624B	PIBLKPN	9/20/16 23:34	1626399999	10.00
2855	20PCBS16257005.0029	8572578ACF DF20	A5611	9/20/16 23:45	162630004A	200.00
2855	20PCBS16257005.0030	8572579MSACF DF2	A5611	9/20/16 23:57	162630004A	200.00
2855	20PCBS16257005.0031	8572580MSDACF DF	A5611	9/21/16 0:08	162630004A	200.00
2855	20PCBS16257005.0032	8572581ACF DF20	A5612	9/21/16 0:20	162630004A	200.00
2855	20PCBS16257005.0033	8572582ACF DF20	A5613	9/21/16 0:31	162630004A	200.00
2855	20PCBS16257005.0034	8572583ACF DF50	A5614	9/21/16 0:42	162630004A	500.00
2855	20PCBS16257005.0035	8572584ACF DF20	A5615	9/21/16 0:54	162630004A	200.00
2855	20PCBS16257005.0036	8572585ACF DF100	A5616	9/21/16 1:05	162630004A	1,000.00
2855	20PCBS16257005.0037	8572585ACF DF200	A5616	9/21/16 1:17	162630004A	2,000.00
2855	20PCBS16257005.0038	8572587ACF DF50	A5618	9/21/16 1:28	162630004A	500.00
2855	20PCBS16257005.0039	8572587ACF DF100	A5618	9/21/16 1:40	162630004A	1,000.00
2855	20PCBS16257005.0040	8572588ACF DF5	A5619	9/21/16 1:51	162630004A	50.00
2855	20PCBS16257005.0041	8572589ACF DF100	A5620	9/21/16 2:03	162630004A	1,000.00
2855	20PCBS16257005.0042	8572590ACF DF10	A5621	9/21/16 2:14	162630004A	100.00
2855	20PCBS16257005.0043	8572591ACF DF100	A5622	9/21/16 2:26	162630004A	1,000.00
2855	20PCBS16257005.0044	8572591ACF DF200	A5622	9/21/16 2:37	162630004A	2,000.00
2855	20PCBS16257005.0045	8572591ACF DF500	A5622	9/21/16 2:49	162630004A	5,000.00
2855	20PCBS16257005.0046	BLANKA 9/19/16 ACF	PBLK10263	9/21/16 3:00	162630010A	10.00
2855	20PCBS16257005.0047	LCSA 9/19/16 ACF	LCS10263	9/21/16 3:11	162630010A	10.00
2855	20PCBS16257005.0048	AR1631624B	AR163EW	9/21/16 3:23	1626399999	1.00
2855	20PCBS16257005.0049	IBLKX1624B	PIBLKPO	9/21/16 3:34	1626399999	10.00
2855	20PCBS16257005.0050	8585544ACF DF5	68A01	9/21/16 3:46	162630010A	50.00
2855	20PCBS16257005.0051	8585545ACF DF5	68A02	9/21/16 3:57	162630010A	50.00
2855	20PCBS16257005.0052	8585545ACF DF10	68A02	9/21/16 4:09	162630010A	100.00
2855	20PCBS16257005.0053	8585546ACF DF10	68A03	9/21/16 4:20	162630010A	100.00
2855	20PCBS16257005.0054	8585546ACF DF20	68A03	9/21/16 4:32	162630010A	200.00
2855	20PCBS16257005.0055	8585547ACF	68A04	9/21/16 4:43	162630010A	10.00
2855	20PCBS16257005.0056	8585548ACF DF5	68A05	9/21/16 4:55	162630010A	50.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	20PCBS16257005.0057	8585548ACF DF10	68A05	9/21/16 5:06	162630010A	100.00
2855	20PCBS16257005.0058	8585549MSACF DF5	68A05	9/21/16 5:18	162630010A	50.00
2855	20PCBS16257005.0059	8585549MSACF DF1	68A05	9/21/16 5:29	162630010A	100.00
2855	20PCBS16257005.0060	8585550MSDACF DF	68A05	9/21/16 5:40	162630010A	50.00
2855	20PCBS16257005.0061	8585550MSDACF DF	68A05	9/21/16 5:52	162630010A	100.00
2855	20PCBS16257005.0062	8585551ACF DF5	68A06	9/21/16 6:03	162630010A	50.00
2855	20PCBS16257005.0063	AR1631624B	AR163EX	9/21/16 6:15	1626399999	1.00
2855	20PCBS16257005.0064	IBLKX1624B	PIBLKPP	9/21/16 6:26	1626399999	10.00
2855	20PCBS16257005.0065	BLANKA 9/19/16 ACF	PBLK22261	9/21/16 6:38	162610022A	10.00
2855	20PCBS16257005.0066	LCSA 9/19/16 ACF	LCS22261	9/21/16 6:49	162610022A	10.00
2855	20PCBS16257005.0067	AR1631624B	AR163EY	9/21/16 7:01	1626399999	1.00
2855	20PCBS16257005.0068	IBLKX1624B	PIBLKPQ	9/21/16 7:12	1626399999	10.00
2855	20PCBS16257005.0069	8572633ACF	P3901	9/21/16 7:24	162610022A	10.00
2855	20PCBS16257005.0070	8572634ACF	P3902	9/21/16 7:35	162610022A	10.00
2855	20PCBS16257005.0071	8572635ACF	P3903	9/21/16 7:47	162610022A	10.00
2855	20PCBS16257005.0072	8572636ACF	P3904	9/21/16 7:58	162610022A	10.00
2855	20PCBS16257005.0073	8572637ACF	P3905	9/21/16 8:09	162610022A	10.00
2855	20PCBS16257005.0074	8572638ACF	P3906	9/21/16 8:21	162610022A	10.00
2855	20PCBS16257005.0075	8572639ACF	P3907	9/21/16 8:32	162610022A	10.00
2855	20PCBS16257005.0076	8572640MSACF	P3907	9/21/16 8:44	162610022A	10.00
2855	20PCBS16257005.0077	8572641MSDACF	P3907	9/21/16 8:55	162610022A	10.00
2855	20PCBS16257005.0078	8572643ACF	P3908	9/21/16 9:07	162610022A	10.00
2855	20PCBS16257005.0079	AR1631624B	AR163EZ	9/21/16 9:18	1626399999	1.00
2855	20PCBS16257005.0080	IBLKX1624B	PIBLKPR	9/21/16 9:30	1626399999	10.00
2855	20PCBS16257005.0081	8572644ACF	P3909	9/21/16 9:41	162610022A	10.00
2855	20PCBS16257005.0082	8572645ACF	P3910	9/21/16 9:53	162610022A	10.00
2855	20PCBS16257005.0083	AR1631624B	AR163FA	9/21/16 10:04	1626399999	1.00
2855	20PCBS16257005.0084	IBLKX1624B	PIBLKPS	9/21/16 10:15	1626399999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

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LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATD51

Fraction: Polychlorinated Biphenyls (PCBs)

10225: PCBs in Solids by 8082/3550 Analyte Name	Default MDL	Default LOQ	Units
PCB-1016	9.9	51	mg/kg
PCB-1221	15	51	mg/kg
PCB-1232	12	51	mg/kg
PCB-1242	12	51	mg/kg
PCB-1248	9.9	51	mg/kg
PCB-1254	13	51	mg/kg
PCB-1260	12	51	mg/kg

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Data Summary

Sample Name: 8570342 ACF A5101 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.4 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 02:42:06
Instrument	18274A
Result file	25PCBS16207031.0037.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 113% (46 - 148) Conc: 31.71603
%SSR(DCB) 123% (49 - 139) Conc: 34.70816

Analysis Report (B)

Injected on	Sep 12, 2016 02:42:06
Instrument	18274B
Result file	25PCBS16207031B.0037.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 111% (46 - 148) Conc: 31.22924
%SSR(DCB) 114% (49 - 139) Conc: 32.13447

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4462659	31.71603	Tetrachloro-m-xylene	2.57	2.60	2.63	7977096	31.22924
Decachlorobiphenyl	6.60	6.63	6.66	2412794	34.70816	Decachlorobiphenyl	6.05	6.07	6.11	6357718	32.13447

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	31.71603				1.55	
☑	Decachlorobiphenyl	A	34.70816				7.70	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**24.23**	
4.76	4.77	4.80	210937	50.947142			1
4.96	4.97	5.00	278731.6	62.216882			2
5.23	5.24	5.27	227821.1	83.542012			3
5.40	5.41	5.44	276295.4	80.975729			4
5.64	5.65	5.68	671833.2	94.332413			5
5.84	5.85	5.88	411476.1	101.316429			6

Height summation: **2077094.4**
Concentration CF: **78.888435** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**28.15**	
4.29	4.31	4.33	481878.9	47.725319			1
4.43	4.44	4.47	659300.9	57.686853			2
4.53	4.54	4.57	442941.5	46.470282			3
4.88	4.89	4.92	589618.9	77.614033			4
5.07	5.08	5.11	1540474	91.483293			5
5.33	5.34	5.37	908021.3	80.478491			6

Height summation: **4622235.5**
Concentration CF: **66.909712** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49.0385	<9.5192			4	
☑	PCB-1221			<49.0385	<14.7115			3	
☑	PCB-1232			<49.0385	<11.8269			4	
☑	PCB-1242			<49.0385	<11.8269			4	
☑	PCB-1248			<49.0385	<9.5192			4	
☑	PCB-1254			<49.0385	<12.6923			4	
☑	PCB-1260	A	78.888435	49.0385	11.25		16.43	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 Officialist
Date: SEP 20 2016

Verified by:
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570342** ACF A5101 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.4 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 02:42:06
Instrument : P 25--18274A
Result file : 25PCBS16207031.0037.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 113% (46-148) Conc.: 31.71603
%SSR(DCB) : 123% (49-139) Conc.: 34.70816

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	41.49	
3.17	3.17	3.21	4399.826	1.847809			1
3.39	3.40	3.43	4013	1.714488			2
3.51	3.51	3.55	4859.748	1.708771			3
3.73	3.74	3.77	6257.285	1.940779			4
3.79	3.79	3.83	9931.062	3.617072			5
+ 3.79	3.83	3.83	3109.449	1.132518			5
3.98	3.99	4.02	2530.149	1.194605			6
+ 3.98	4.01	4.02	1994.765	0.941824			6
Height Summation:			31991.07				
Amount Avg CF:				2.003921	Linear:		
Aroclor-1221					2	100.71	
3.13	3.13	3.17	8205.584	7.984764			2
3.17	3.17	3.21	4399.826	1.342556			3
Height Summation:			12605.41				
Amount Avg CF:				4.66366	Linear:		
Aroclor-1232					6	30.43	
3.17	3.17	3.21	4399.826	1.382175			1
3.39	3.40	3.43	4013	3.085713			2
3.51	3.51	3.55	4859.748	3.065531			3
3.73	3.74	3.77	6257.285	3.546396			4
3.79	3.83	3.83	3109.449	2.095078			5
3.99	3.99	4.02	2530.149	2.407187			6
+ 3.99	4.01	4.02	1994.765	1.897822			6
Height Summation:			25169.457				
Amount Avg CF:				2.597013	Linear:		
Aroclor-1242					6	21.46	
3.17	3.17	3.21	4399.826	2.528533			1
3.39	3.40	3.43	4013	2.448027			2
3.51	3.51	3.55	4859.748	2.384446			3
3.73	3.74	3.77	6257.285	2.755008			4
3.79	3.83	3.83	3109.449	1.586117			5
3.98	3.99	4.02	2530.149	1.686126			6
+ 3.98	4.01	4.02	1994.765	1.329339			6
Height Summation:			25169.457				
Amount Avg CF:				2.231376	Linear:		
Aroclor-1248					6	139.49	
3.79	3.79	3.83	9931.062	6.383586			1
+ 3.79	3.83	3.83	3109.449	1.998722			1
3.85	3.86	3.89	2947.033	1.121237			2
3.98	3.99	4.02	2530.149	0.843735			3
+ 3.98	4.01	4.02	1994.765	0.665199			3
4.07	4.08	4.11	2899.716	1.186059			4
+ 4.07	4.11	4.11	1906.356	0.779749			4
4.25	4.28	4.29	3471.534	1.346445			5
4.64	4.65	4.68	32884.49	17.473901			6
Height Summation:			54663.984				
Amount Avg CF:				4.725827	Linear:		

Analysis Report (B)

Injected on : Sep 12, 2016 02:42:06
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0037.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 111% (46-148) Conc.: 31.22924
%SSR(DCB) : 114% (49-139) Conc.: 32.13447

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	46.54	
2.87	2.91	2.91	9570.975	2.285484			1
+ 3.19	3.21	3.23	5054.785	0.975177			2
3.19	3.23	3.23	15597.55	3.009105			2
3.39	3.40	3.43	4262.991	0.769314			3
3.46	3.48	3.50	7432.402	1.305085			4
3.63	3.64	3.67	6852.165	1.415777			5
+ 3.63	3.66	3.67	4424.427	0.914164			5
3.72	3.74	3.76	6300.864	1.515321			6
Height Summation:			50016.947				
Amount Avg CF:				1.716681	Linear:		
Aroclor-1221					2	52.73	
2.81	2.82	2.85	5200.873	3.492548			2
+ 2.81	2.84	2.85	2512.325	1.687104			2
2.87	2.91	2.91	9570.975	1.595452			3
Height Summation:			14771.848				
Amount Avg CF:				2.544	Linear:		
Aroclor-1232					6	51.98	
2.87	2.91	2.91	9570.975	1.629106			1
+ 3.20	3.21	3.24	5054.785	1.801702			2
3.20	3.23	3.24	15597.55	5.559512			2
3.39	3.40	3.43	4262.991	1.425514			3
3.47	3.48	3.51	7432.402	2.533138			4
3.63	3.64	3.67	6852.165	2.984314			5
+ 3.63	3.66	3.67	4424.427	1.926965			5
3.72	3.74	3.76	6300.864	2.987983			6
Height Summation:			50016.947				
Amount Avg CF:				2.853261	Linear:		
Aroclor-1242					6	45.11	
2.87	2.91	2.91	9570.975	3.101886			1
+ 3.20	3.21	3.24	5054.785	1.323565			2
3.20	3.23	3.24	15597.55	4.084126			2
3.39	3.40	3.43	4262.991	1.05813			3
3.47	3.48	3.51	7432.402	1.905566			4
3.63	3.64	3.67	6852.165	1.955626			5
+ 3.63	3.66	3.67	4424.427	1.262743			5
3.72	3.74	3.76	6300.864	2.064001			6
Height Summation:			50016.947				
Amount Avg CF:				2.361556	Linear:		
Aroclor-1248					6	139.84	
+ 3.50	3.51	3.54	6186.356	1.110532			1
3.50	3.53	3.54	8516.375	1.528801			1
3.63	3.64	3.67	6852.165	1.017333			2
+ 3.63	3.66	3.67	4424.427	0.65689			2
3.72	3.74	3.76	6300.864	1.281846			3
3.85	3.86	3.89	35187.94	3.766503			4
+ 3.85	3.88	3.89	3035.858	0.324957			4
+ 4.21	4.22	4.25	19229	4.564343			5
4.21	4.23	4.25	149787.1	35.554614			5
+ 4.37	4.37	4.40	20902.83	8.277724			6
4.37	4.40	4.40	128858.6	51.029259			6
Height Summation:			335503.044				
Amount Avg CF:				15.696392	Linear:		

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570342** ACF A5101 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.4 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 02:42:06
Instrument : P 25--18274A
Result file : 25PCBS16207031.0037.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	140.43	
4.23	4.24	4.27	18007.97	5.689251			1
4.58	4.60	4.62	30130.48	9.921685			2
4.64	4.65	4.68	32884.49	5.766876			3
4.77	4.77	4.81	210937	114.006102			4
4.86	4.86	4.90	20905.26	5.764323			5
+ 4.86	4.89	4.90	2170.84	0.598578			5
5.06	5.06	5.10	133067.1	44.368986			6
Height Summation:			445932.3				
Amount Avg CF:			30.919537	Linear:			
Aroclor-1260					6	24.23	
4.76	4.77	4.80	210937	50.947142			1
4.96	4.97	5.00	278731.6	62.216882			2
5.23	5.24	5.27	227821.1	83.542012			3
5.40	5.41	5.44	276295.4	80.975729			4
5.64	5.65	5.68	671833.2	94.332413			5
5.84	5.85	5.88	411476.1	101.316429			6
Height Summation:			2077094.4				
Amount Avg CF:			78.888435	Linear:			
Aroclor-1262					6	22.09	
5.23	5.24	5.27	227821.1	46.663844			1
5.40	5.41	5.44	276295.4	64.926531			2
5.64	5.65	5.68	671833.2	69.232191			3
5.84	5.85	5.88	411476.1	74.061266			4
5.90	5.90	5.94	116537.5	41.162369			5
6.28	6.28	6.32	195229	56.574177			6
Height Summation:			1899192.3				
Amount Avg CF:			58.770053	Linear:			
Aroclor-1268					6	89.19	
5.84	5.85	5.88	411476.1	36.443497			1
5.90	5.90	5.94	116537.5	12.213989			2
6.03	6.04	6.07	19169.74	2.095763			3
+ 6.10	6.10	6.14	15110.68	5.959732			4
6.10	6.12	6.14	75006.65	29.583021			4
6.28	6.28	6.32	195229	49.814098			5
6.48	6.48	6.52	54484.44	2.031471			6
Height Summation:			871903.43				
Amount Avg CF:			22.030306	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 02:42:06
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0037.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	124.99	
4.15	4.15	4.19	12461.21	1.636691			1
+ 4.21	4.22	4.25	19229	1.452539			2
4.21	4.23	4.25	149787.1	11.314763			2
4.30	4.31	4.34	481878.9	77.257293			3
+ 4.37	4.37	4.41	20902.83	2.483923			4
4.37	4.40	4.41	128858.6	15.312514			4
4.43	4.44	4.47	659300.9	130.644745			5
4.58	4.59	4.62	67696.98	11.515561			6
Height Summation:			1499983.69				
Amount Avg CF:			41.280261	Linear:			
Aroclor-1260					6	28.15	
4.29	4.31	4.33	481878.9	47.725319			1
4.43	4.44	4.47	659300.9	57.686853			2
4.53	4.54	4.57	442941.5	46.470282			3
4.88	4.89	4.92	589618.9	77.614033			4
+ 4.88	4.91	4.92	72518.13	9.545869			4
5.07	5.08	5.11	1540474	91.483293			5
5.33	5.34	5.37	908021.3	80.478491			6
Height Summation:			4622235.5				
Amount Avg CF:			66.909712	Linear:			
Aroclor-1262					6	25.27	
4.69	4.70	4.73	482757.5	37.332982			1
4.88	4.89	4.92	589618.9	44.686557			2
+ 4.88	4.91	4.92	72518.13	5.496068			2
5.07	5.08	5.11	1540474	63.615436			3
5.28	5.29	5.32	309512.4	31.003296			4
5.33	5.34	5.37	908021.3	54.952638			5
5.71	5.72	5.75	445755.7	50.210248			6
Height Summation:			4276139.8				
Amount Avg CF:			46.96686	Linear:			
Aroclor-1268					6	114.07	
5.29	5.29	5.33	309512.4	10.421354			1
5.33	5.34	5.37	908021.3	31.584065			2
5.49	5.49	5.53	43288.53	1.718271			3
5.55	5.56	5.59	27699.72	4.578634			4
5.71	5.72	5.75	445755.7	43.740752			5
+ 5.71	5.75	5.75	22654.97	2.223068			5
5.91	5.92	5.95	133707	1.595539			6
Height Summation:			1867984.65				
Amount Avg CF:			15.606436	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.0385	9.5192		15.44	4	40	
Aroclor-1221			49.0385	14.7115		** 58.82	3	5	
Aroclor-1232			49.0385	11.8269		9.40	4	10	
Aroclor-1242			49.0385	11.8269		5.67	4	30	
Aroclor-1248			49.0385	9.5192		** 107.44	4	40	
Aroclor-1254			49.0385	12.6923		28.70	4	40	
Aroclor-1260			49.0385	11.25		16.43	4	40	
Aroclor-1262			49.0385	9.5192		22.33	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570342**ACF A5101 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.4 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 02:42:06
Instrument : P 25--18274A
Result file : 25PCBS16207031.0037.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 12, 2016 02:42:06
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0037.RAW
Calibration file : 25PCBS1620701B.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			49.0385	9.5192		34.14	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570342ACF ABA5101 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:42:06 AM 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: 25pcbs16207031.0037.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.006		5583	2945
2.038		1993	1760
2.089		13430	14938
2.13		148588	107623
2.197		3964	2298
2.217		18837	13334
2.281		1977	2082
2.309		16219	10247
2.328		8861	5494
2.388		70811	50410
2.425		7792	6276
2.463		3599	2824
2.491		4687	6450
2.535		3315	1878
2.566		2856	3287
2.649		4136	4373
2.699		3699	3031
2.742		45307	40377
2.784		2621	1742
2.811		5096	3959
2.876		5582	5041
2.925	TCX	4462659	2929866
3.108		1350	1959
3.127		8206	5337
3.175		4400	7162
3.233		4542	3595
3.258		3575	1998
3.32		2173	2041
3.36		940	933
3.4		4013	2580
3.457		1574	901
3.49		3902	3515
3.515		4860	4024
3.562		1290	1664
3.592		8329	6524
3.628		1235	1380
3.662		6564	4667
3.698		7141	7905
3.737		6257	5373
3.792		9931	7963
3.826		3109	2714
3.861		2947	2512
3.893		2403	2728
3.925		2563	2104
3.986		2530	2578
4.01		1995	1327
4.081		2900	7464
4.109		1906	2174
4.148		3630	3474
4.202		24077	22274
4.236		18008	13121
4.279		3472	2451
4.308		1891	1572
4.35		3759	3047

RT A	Compound A	Height A	Area A
4.391		25265	22572
4.422		4741	3667
4.486		4635	5419
4.533		4915	4790
4.599		30130	33416
4.646		32884	27800
4.691		88362	101237
4.728		15298	10503
4.768		210937	205977
4.859		20905	27117
4.891		2171	1384
4.916		52152	48290
4.969		278732	356966
5.019		67243	59798
5.063		133067	151206
5.142		33930	43724
5.178		354704	392708
5.24		227821	213787
5.284		150906	154260
5.405		276295	389043
5.465		139745	132878
5.504		76663	72847
5.545		15009	14428
5.59		72218	67759
5.645		671833	754716
5.764		2327	3596
5.852		411476	430150
5.904		116538	221386
6.036		19170	21872
6.101		15111	10800
6.124		75007	68052
6.241		2133	20016
6.281		195229	199179
6.326		10942	10042
6.482		54484	60736
6.532		2254	2885
6.627	DCB	2412794	2463943
6.941		13012	97177

LANCASTER LABORATORIES

Sample Number: 8570342ACF ABA5101 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:42:06 AM 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: 25pcbs16207031B.0037.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.042		14360	12196
2.103		120962	82283
2.146		2485	1361
2.168		3053	1772
2.186		4679	2256
2.218		9722	9687
2.271		4753	3109
2.309		2640	2589
2.348		11901	10333
2.377		7306	6485
2.42		26530	15504
2.446		60682	36983
2.52		1861	1359
2.537		2297	2633
2.576		8759	5140
2.599	TCX	7977097	4683757
2.698		3039	4502
2.75		2324	2141
2.799		2452	2160
2.818		5201	2557
2.84		2512	3232
2.905		9571	12557
2.932		10015	8216
3.004		2491	6149
3.052		3768	3358
3.09		6613	13860
3.168		6112	5566
3.21		5055	2981
3.229		15598	7917
3.246		3081	2731
3.274		1932	1025
3.304		13441	11097
3.346		9561	5101
3.369		11268	8049
3.387		2120	875
3.402		4263	2349
3.435		3138	2169
3.476		7432	5721
3.512		6186	3061
3.533		8516	7837
3.588		2967	2219
3.61		1970	973
3.638		6852	6353
3.661		4424	2647
3.7		1440	616
3.737		6301	10293
3.794		2891	2141
3.812		7028	5743
3.857		35188	25289
3.883		3036	1893
3.921		52526	47667
3.957		48024	31239
3.988		14723	13440
4.053		8738	7832

RT B	Compound B	Height B	Area B
4.098		7353	9844
4.155		12461	8211
4.198		42401	24917
4.215		19229	8354
4.229		149787	87624
4.252		78248	71002
4.306		481879	347474
4.352		8710	7529
4.374		20903	12569
4.398		128859	91593
4.441		659301	493799
4.498		5259	4166
4.542		442942	418765
4.594		67697	53175
4.632		181639	148237
4.668		693897	558631
4.7		482758	338644
4.738		308310	242997
4.794		6128	6053
4.836		96402	90548
4.887		589619	456863
4.91		72518	45385
4.959		329676	285817
4.995		163613	125778
5.024		127302	99814
5.056		16330	8231
5.079		1540474	1283165
5.12		28188	19478
5.152		56030	43166
5.196		2292	1619
5.228		2497	2621
5.27		13029	8187
5.293		309512	252221
5.337		908021	975572
5.455		2081	3572
5.493		43289	36087
5.538		26053	18703
5.562		27700	19551
5.609		195934	161009
5.652		2293	2230
5.717		445756	368048
5.747		22655	16897
5.808		4708	4333
5.855		2632	3719
5.916		133707	109937
5.949		2073	951
6.033		1637	5038
6.074	DCB	6357718	5194628
6.251		1138	5327
6.275		6065	4898
6.339		6410	10373
6.445		2126	14621
6.494		5672	8661
6.574		1984	3085
6.655		2974	9662
6.696		5984	10716
6.85		7336	28945
6.898		2691	3712
6.969		83701	82450

8570342ACF ABA5101 T 162530010A 10225 SW-846 8082

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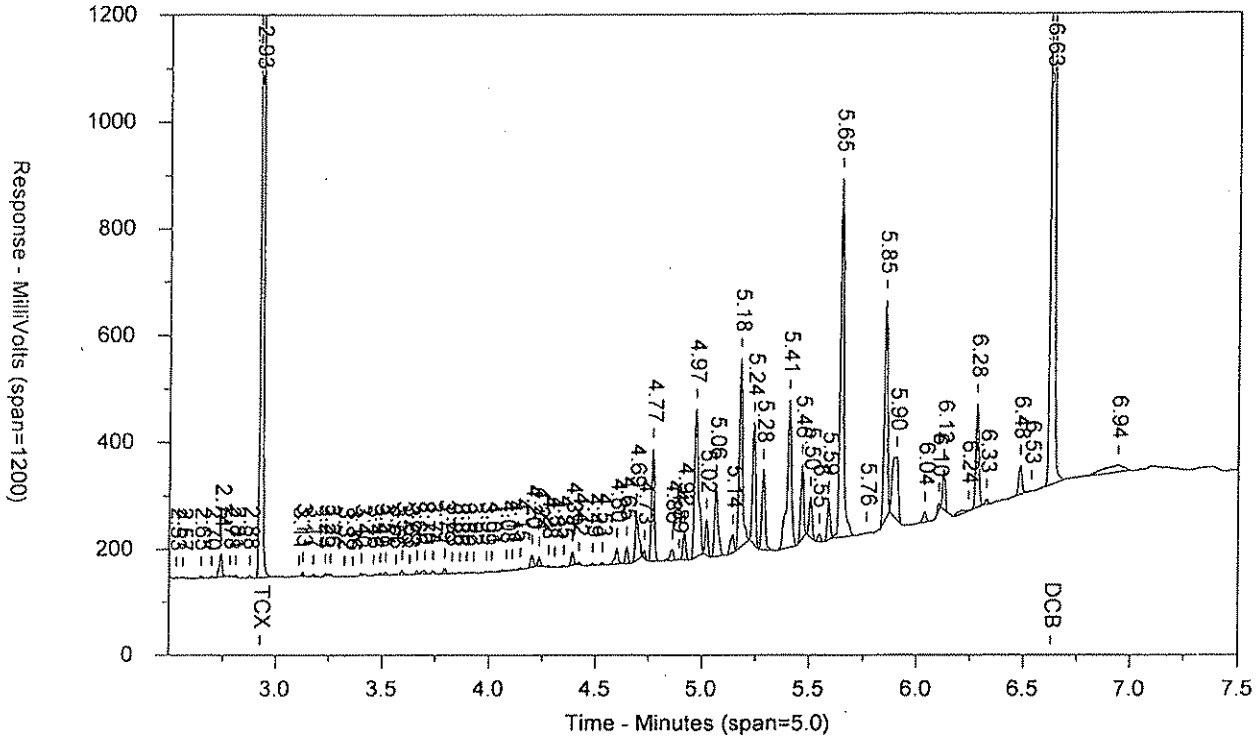

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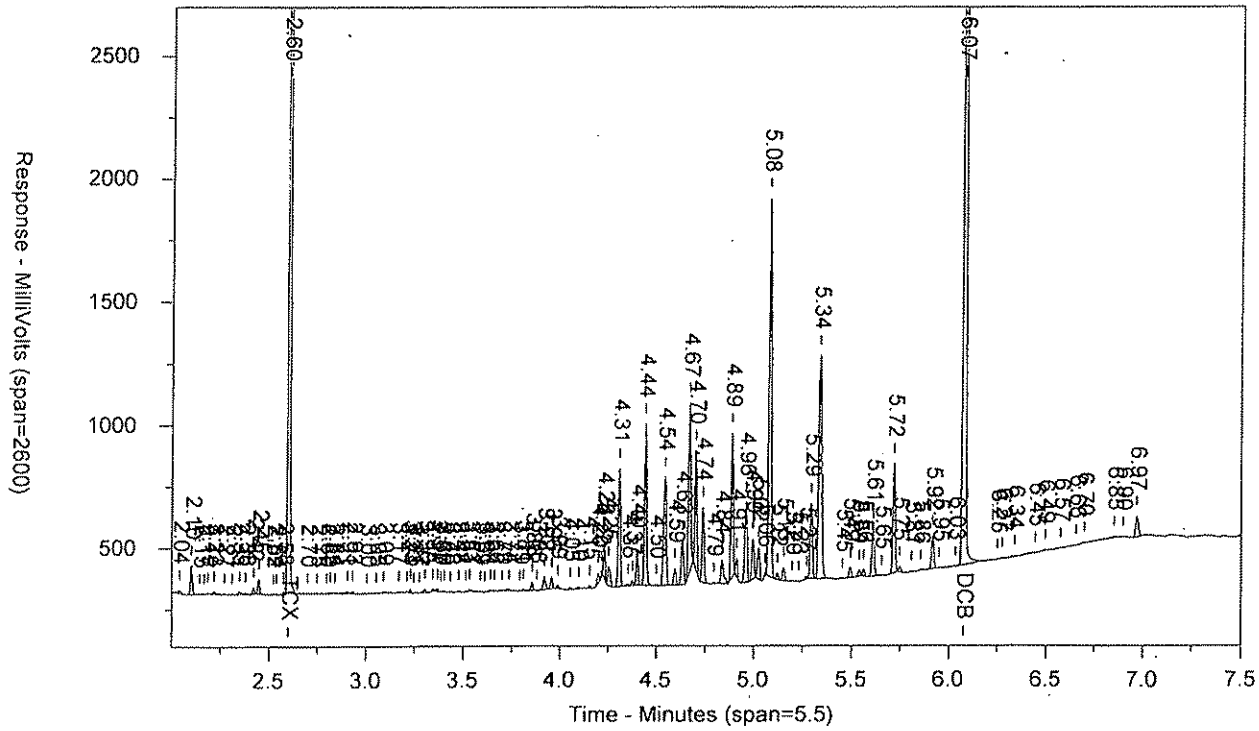

LANCASTER LABORATORIES

Sample Number: 8570342ACF ABA5101 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:42:06 AM Sample Weight: 10.4
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: 4
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	4462659	31.716	TCX	2.599	7977097	31.229	TCX
6.627	2412794	34.708	DCB	6.074	6357718	32.134	DCB

Files:
Area File: 25pcbs16207031.0037.RAW
Area File: 25pcbs16207031B.0037.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 2:50:38 AM
File Reported On: 9/12/2016 at 2:50:43 AM

8570342ACF ABA5101 T 162530010A 10225 SW-846 8082

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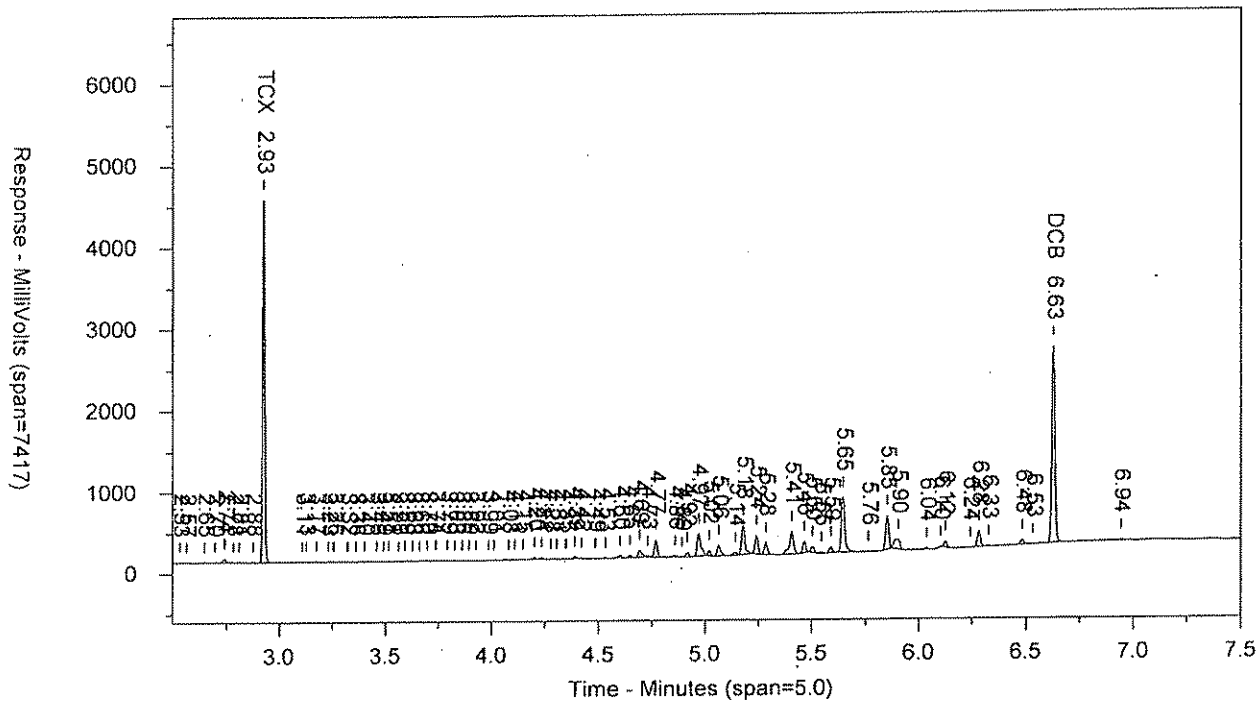

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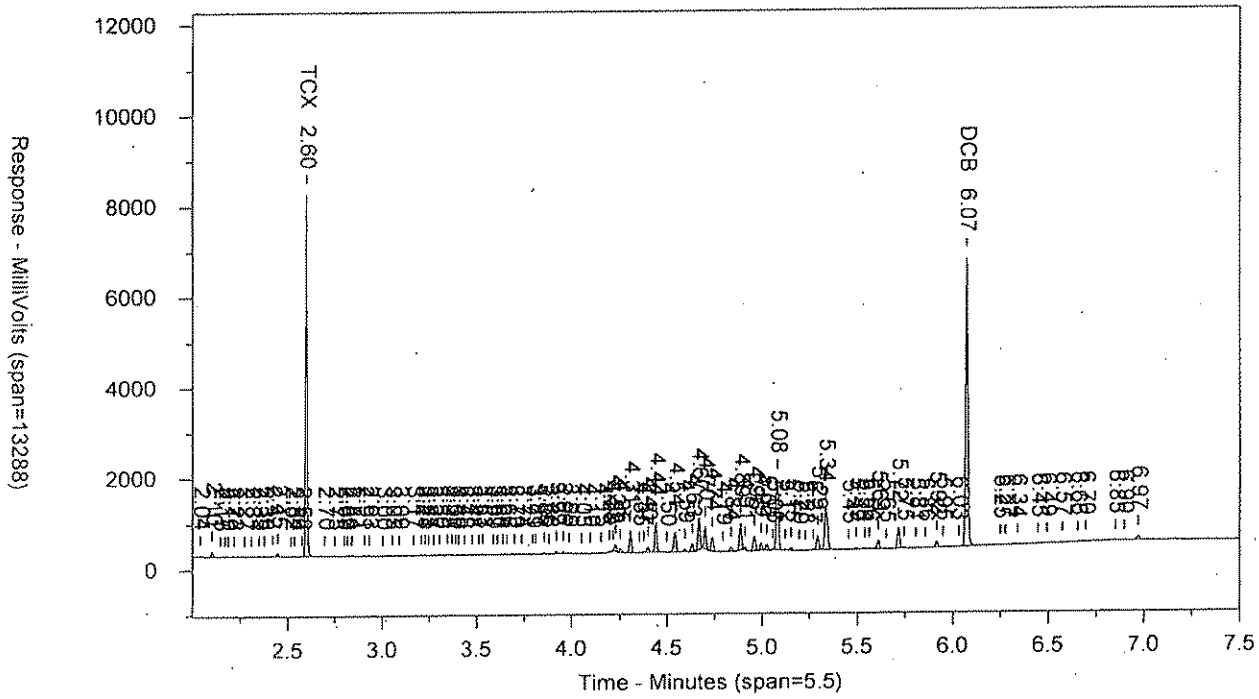

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Data Summary

Sample Name: 8570343 ACF A5102 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.2 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 02:53:20
Instrument	18274A
Result file	25PCBS16207031.0038.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 109% (46 - 148) Conc: 31.30814
%SSR(DCB) 129% (49 - 139) Conc: 36.89589

Analysis Report (B)

Injected on	Sep 12, 2016 02:53:20
Instrument	18274B
Result file	25PCBS16207031B.0038.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 107% (46 - 148) Conc: 30.55998
%SSR(DCB) 103% (49 - 139) Conc: 29.67438

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.92	2.96	4320549	31.30814
Decachlorobiphenyl	6.60	6.62	6.66	2515553	36.89589

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	7656025	30.55998
Decachlorobiphenyl	6.05	6.07	6.11	5758091	29.67438

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	31.30814				2.42	
☑ Decachlorobiphenyl	A	36.89589				21.70	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**24.68**	
4.76	4.77	4.80	1126477	277.410287			1
4.96	4.97	5.00	1571729	357.711474			2
5.23	5.24	5.27	1034105	386.641787			3
5.40	5.40	5.44	1433042	428.226263			4
5.64	5.64	5.68	3815914	546.300037			5
5.84	5.85	5.88	2123852	533.203111			6

Height summation: **11105119**
Concentration CF: **421.58216** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**24.81**	
4.29	4.30	4.33	2674179	270.044024			1
4.43	4.44	4.47	3743382	333.956955			2
4.53	4.54	4.57	2704685	289.320223			3
4.88	4.89	4.92	2884298	387.116917			4
5.07	5.08	5.11	8310090	503.183404			5
5.33	5.34	5.37	5020058	453.654989			6

Height summation: **25336692**
Concentration CF: **372.879419** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<50	<9.7059			4	
☑ PCB-1221			<50	<15			3	
☑ PCB-1232			<50	<12.0588			4	
☑ PCB-1242			<50	<12.0588			4	
☑ PCB-1248			<50	<9.7059			4	
☑ PCB-1254			<50	<12.9412			4	
☑ PCB-1260	A	421.58216	50	11.4706		12.26	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570343** ACF A5102 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.2 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 02:53:20
Instrument : P 25--18274A
Result file : 25PCBS16207031.0038.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 109% (46-148) Conc.: 31.30814
%SSR(DCB) : 129% (49-139) Conc.: 36.89589

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	70.78	
3.17	3.17	3.21	3666.21	1.5699			1
+ 3.17	3.20	3.21	2276.218	0.974695			1
3.39	3.40	3.43	5703.161	2.484358			2
+ 3.39	3.42	3.43	1369.573	0.596601			2
3.51	3.51	3.55	1842.22	0.660457			3
+ 3.51	3.54	3.55	1380.809	0.495036			3
3.73	3.74	3.77	7575.093	2.395583			4
3.79	3.79	3.83	2985.348	1.108638			5
+ 3.79	3.82	3.83	2343.213	0.870175			5
+ 3.98	3.98	4.02	3374.582	1.624543			6
3.98	4.01	4.02	10517.7	5.063282			6
Height Summation:			32289.732				
Amount Avg CF:			2.213703	Linear:			
Aroclor-1221					3	117.95	
3.07	3.07	3.11	1853.4	1.547796			1
3.13	3.13	3.17	8300.512	8.235512			2
3.17	3.20	3.21	2276.218	0.70818			3
Height Summation:			12430.13				
Amount Avg CF:			3.497163	Linear:			
Aroclor-1232					6	94.22	
3.17	3.20	3.21	2276.218	0.729079			1
3.39	3.40	3.43	5703.161	4.471315			2
+ 3.39	3.42	3.43	1369.573	1.073754			2
3.51	3.51	3.55	1842.22	1.184859			3
+ 3.51	3.54	3.55	1380.809	0.888094			3
3.73	3.74	3.77	7575.093	4.377462			4
3.79	3.82	3.83	2343.213	1.609762			5
3.99	4.01	4.02	10517.7	10.20276			6
Height Summation:			30257.605				
Amount Avg CF:			3.76254	Linear:			
Aroclor-1242					6	80.66	
3.17	3.20	3.21	2276.218	1.333767			1
3.39	3.40	3.43	5703.161	3.547283			2
+ 3.39	3.42	3.43	1369.573	0.851855			2
3.51	3.51	3.55	1842.22	0.921613			3
+ 3.51	3.54	3.55	1380.809	0.690781			3
3.73	3.74	3.77	7575.093	3.400619			4
3.79	3.82	3.83	2343.213	1.2187			5
+ 3.98	3.98	4.02	3374.582	2.292963			6
3.98	4.01	4.02	10517.7	7.146574			6
Height Summation:			30257.605				
Amount Avg CF:			2.928093	Linear:			
Aroclor-1248					6	212.20	
3.79	3.79	3.83	2985.348	1.956578			1
+ 3.79	3.82	3.83	2343.213	1.535727			1
3.85	3.86	3.89	6224.426	2.414597			2
+ 3.98	3.98	4.02	3374.582	1.147395			3
3.98	4.01	4.02	10517.7	3.576134			3
4.07	4.08	4.11	4106.691	1.712679			4
+ 4.07	4.11	4.11	3371.456	1.406053			4
+ 4.25	4.26	4.29	7585.024	2.999558			5
4.25	4.28	4.29	18106.73	7.16045			5
4.64	4.64	4.68	246305.6	133.446201			6
Height Summation:			288246.495				
Amount Avg CF:			25.04444	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 02:53:20
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0038.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 107% (46-148) Conc.: 30.55998
%SSR(DCB) : 103% (49-139) Conc.: 29.67438

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	79.40	
+ 2.87	2.90	2.91	15428.79	3.756532			1
2.87	2.91	2.91	37210.24	9.05978			1
3.19	3.23	3.23	20858.83	4.103024			2
3.39	3.39	3.43	5462.356	1.005085			3
+ 3.46	3.46	3.50	1841.957	0.329778			4
3.46	3.48	3.50	5762.942	1.03178			4
3.63	3.64	3.67	14052.84	2.960496			5
+ 3.63	3.66	3.67	8673.275	1.827189			5
+ 3.72	3.73	3.76	3716.858	0.91141			6
3.72	3.75	3.76	17530.98	4.298766			6
Height Summation:			100878.188				
Amount Avg CF:			3.743155	Linear:			
Aroclor-1221					3	36.21	
2.75	2.77	2.79	6916.37	3.017666			1
2.81	2.82	2.85	9071.081	6.210954			2
+ 2.87	2.90	2.91	15428.79	2.622361			3
2.87	2.91	2.91	37210.24	6.324455			3
Height Summation:			53197.691				
Amount Avg CF:			5.184358	Linear:			
Aroclor-1232					6	52.09	
+ 2.87	2.90	2.91	15428.79	2.677677			1
2.87	2.91	2.91	37210.24	6.457863			1
3.20	3.23	3.24	20858.83	7.580596			2
3.39	3.39	3.43	5462.356	1.862388			3
3.47	3.48	3.51	5762.942	2.00266			4
3.63	3.64	3.67	14052.84	6.240423			5
+ 3.63	3.66	3.67	8673.275	3.851528			5
+ 3.72	3.73	3.76	3716.858	1.797161			6
3.72	3.75	3.76	17530.98	8.476515			6
Height Summation:			100878.188				
Amount Avg CF:			5.436741	Linear:			
Aroclor-1242					6	78.34	
+ 2.87	2.90	2.91	15428.79	5.098409			1
2.87	2.91	2.91	37210.24	12.296039			1
3.20	3.23	3.24	20858.83	5.568854			2
3.39	3.39	3.43	5462.356	1.382412			3
3.47	3.48	3.51	5762.942	1.506511			4
3.63	3.64	3.67	14052.84	4.089358			5
+ 3.63	3.66	3.67	8673.275	2.523912			5
+ 3.72	3.73	3.76	3716.858	1.24142			6
3.72	3.75	3.76	17530.98	5.855299			6
Height Summation:			100878.188				
Amount Avg CF:			5.116412	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570343** ACF A5102 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.2 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 02:53:20
Instrument : P 25--18274A
Result file : 25PCBS16207031.0038.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	132.28	
4.23	4.23	4.27	129782.4	41.806066			1
+ 4.23	4.26	4.27	7585.024	2.443321			1
4.58	4.60	4.62	156514.1	52.549188			2
4.64	4.64	4.68	246305.6	44.040977			3
4.77	4.77	4.81	1126477	620.770156			4
4.86	4.86	4.90	154699.2	43.492463			5
+ 4.86	4.89	4.90	9432.188	2.651785			5
5.06	5.06	5.10	753592.6	256.199693			6
Height Summation:			2567370.9				
Amount Avg CF:			176.476424	Linear:			
Aroclor-1260					6	24.68	
4.76	4.77	4.80	1126477	277.410287			1
4.96	4.97	5.00	1571729	357.711474			2
5.23	5.24	5.27	1034105	386.641787			3
5.40	5.40	5.44	1433042	428.226263			4
5.64	5.64	5.68	3815914	546.300037			5
5.84	5.85	5.88	2123852	533.203111			6
Height Summation:			11105119				
Amount Avg CF:			421.58216	Linear:			
Aroclor-1262					5	24.62	
E 5.23	5.24	5.27	1034105	215.965497			1
E 5.40	5.40	5.44	1433042	343.352832			2
E 5.64	5.64	5.68	3815914	400.939055			3
E 5.84	5.85	5.88	2123852	389.765985			4
E 6.28	6.28	6.32	908020.2	268.288833			6
Height Summation:			9314933.2				
Amount Avg CF:			323.66244	Linear:			
Aroclor-1268					5	94.24	
5.84	5.85	5.88	2123852	191.793039			1
6.03	6.03	6.07	38415.53	4.282189			3
+ 6.10	6.10	6.14	56518.02	22.728086			4
6.10	6.12	6.14	350500.4	140.949793			4
E 6.28	6.28	6.32	908020.2	236.230851			5
6.48	6.52	6.52	3299.526	0.125436			6
Height Summation:			3424087.656				
Amount Avg CF:			114.676262	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 02:53:20
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0038.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	142.70	
3.50	3.51	3.54	15382.12	2.815435			1
+ 3.50	3.53	3.54	6613.159	1.210426			1
3.63	3.64	3.67	14052.84	2.12732			2
+ 3.63	3.66	3.67	8673.275	1.312961			2
+ 3.72	3.73	3.76	3716.858	0.770983			3
3.72	3.75	3.76	17530.98	3.636429			3
3.85	3.86	3.89	269107.8	29.369996			4
+ 3.85	3.88	3.89	18663.25	2.036877			4
+ 4.21	4.21	4.25	174688.1	42.278351			5
4.21	4.23	4.25	738180.7	178.655917			5
+ 4.37	4.37	4.40	206970.1	83.569274			6
4.37	4.40	4.40	685618.4	276.83531			6
Height Summation:			1739872.84				
Amount Avg CF:			82.240068	Linear:			
Aroclor-1254					6	125.69	
4.15	4.15	4.19	124960.4	16.734474			1
+ 4.21	4.21	4.25	174688.1	13.4545			2
4.21	4.23	4.25	738180.7	56.854771			2
4.30	4.30	4.34	2674179	437.144699			3
+ 4.37	4.37	4.41	206970.1	25.076901			4
4.37	4.40	4.41	685618.4	83.070863			4
4.43	4.44	4.47	3743382	756.320012			5
4.58	4.59	4.62	402529.8	69.814722			6
Height Summation:			8368850.3				
Amount Avg CF:			236.65659	Linear:			
Aroclor-1260					6	24.81	
4.29	4.30	4.33	2674179	270.044024			1
4.43	4.44	4.47	3743382	333.956955			2
4.53	4.54	4.57	2704685	289.320223			3
4.88	4.89	4.92	2884298	387.116917			4
+ 4.88	4.91	4.92	414045.5	55.57124			4
5.07	5.08	5.11	8310090	503.183404			5
5.33	5.34	5.37	5020058	453.654989			6
Height Summation:			25336692				
Amount Avg CF:			372.879419	Linear:			
Aroclor-1262					6	33.58	
4.69	4.70	4.73	2230257	175.853791			1
E 4.88	4.89	4.92	2884298	222.883948			2
+ 4.88	4.91	4.92	414045.5	31.99534			2
E 5.07	5.08	5.11	8310090	349.902489			3
5.28	5.29	5.32	1336326	136.482006			4
E 5.33	5.34	5.37	5020058	309.766474			5
E 5.71	5.71	5.75	2055739	236.100337			6
Height Summation:			21836768				
Amount Avg CF:			238.498174	Linear:			
Aroclor-1268					6	124.23	
5.29	5.29	5.33	1336326	45.876648			1
5.33	5.34	5.37	5020058	178.038483			2
5.49	5.49	5.53	98446.21	3.984291			3
5.55	5.56	5.59	51612.81	8.698636			4
+ 5.55	5.58	5.59	3693.909	0.622558			4
E 5.71	5.71	5.75	2055739	205.679249			5
+ 5.71	5.75	5.75	116170	11.622953			5
5.91	5.91	5.95	410873.9	4.999138			6
Height Summation:			8973055.92				
Amount Avg CF:			74.546074	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570343** ACF A5102 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.2 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 02:53:20
Instrument : P 25--18274A
Result file : 25PCBS16207031.0038.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 12, 2016 02:53:20
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0038.RAW
Calibration file : 25PCBS1620701B.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			50	9.7059		** 51.35	4	40	
Aroclor-1221			50	15		38.87	3	5	
Aroclor-1232			50	12.0588		36.40	4	10	
Aroclor-1242			50	12.0588		** 54.41	4	30	
Aroclor-1248			50	9.7059		** 106.62	4	40	
Aroclor-1254			50	12.9412		29.13	4	40	
Aroclor-1260			50	11.4706		12.26	4	40	
Aroclor-1262			50	9.7059	E	30.30	4	40	
Aroclor-1268			50	9.7059	E	** 42.42	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570343ACF ABA5102 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:53:20 AM 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: 25pcbs16207031.0038.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.005		3588	1657
2.036		5339	6138
2.088		13978	15550
2.13		145908	106093
2.197		24545	15077
2.217		15994	9568
2.282		5096	3858
2.308		26113	16820
2.328		8798	4902
2.388		42164	38879
2.424		7710	6890
2.461		2468	1583
2.489		6016	9150
2.565		4474	6783
2.627		3429	1807
2.648		28529	20160
2.7		4241	4157
2.733		14949	10657
2.761		3637	2841
2.809		3827	3182
2.843		1667	1291
2.875		4563	4104
2.925	TCX	4320549	2822677
3.012		3142	2487
3.038		4448	2931
3.069		1853	1470
3.126		8301	6439
3.172		3666	2875
3.195		2276	1286
3.233		32299	48742
3.323		2077	1939
3.358		1847	2032
3.398		5703	5149
3.421		1370	1169
3.489		3418	4828
3.514		1842	1054
3.543		1381	1003
3.566		1762	1306
3.591		7255	4728
3.667		6544	6466
3.697		2399	2154
3.738		7575	6618
3.773		1262	715
3.79		2985	2351
3.823		2343	2024
3.859		6224	5461
3.895		6792	6196
3.923		8831	6957
3.964		2451	1606
3.985		3375	1952
4.009		10518	8169
4.042		3523	3219
4.079		4107	5924
4.109		3371	3262

RT A	Compound A	Height A	Area A
4.147		3997	2975
4.173		2372	1678
4.201		26857	22742
4.235		129782	103315
4.255		7585	3609
4.28		18107	13507
4.306		1410	762
4.347		41263	35724
4.39		181400	172256
4.424		51982	41922
4.463		5054	3614
4.487		8566	6795
4.53		45361	43497
4.598		156514	239981
4.645		246306	221468
4.69		423941	501172
4.728		108885	81193
4.767		1126477	1068439
4.819		10006	8203
4.859		154699	182962
4.889		9432	5272
4.915		271600	251413
4.968		1571729	1927737
5.017		279285	255245
5.061		753593	834263
5.103		21687	13130
5.14		181172	225683
5.177		2118330	2188978
5.239		1034105	956636
5.283		712288	703908
5.335		3812	3088
5.404		1433042	1907249
5.462		648820	616133
5.502		362582	324702
5.543		65625	67173
5.588		365877	336293
5.615		17915	10829
5.644		3815915	3768821
5.735		6883	7132
5.765		4968	3606
5.851		2123853	2170023
5.89		517728	1020077
5.976		1815	1408
6.033		38416	61090
6.099		56518	40806
6.122		350500	314021
6.19		3344	3773
6.224		3038	3816
6.279		908020	901294
6.324		58215	54783
6.403		3785	10968
6.479		179756	179643
6.519		3300	3464
6.625	DCB	2515553	2465441
6.702		5316	4956
6.734		1730	1308
6.895		4703	4061
6.938		7009	12534

LANCASTER LABORATORIES

Sample Number: 8570343ACF ABA5102 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:53:20 AM 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: 25pcbs16207031B.0038.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.019		7455	10155
2.041		19412	23211
2.103		84723	76951
2.168		7440	12009
2.188		4279	2869
2.216		13919	9846
2.276		4436	4232
2.296		3491	1612
2.309		3136	2209
2.35		49768	35139
2.376		14338	19353
2.421		17000	9915
2.449		7563	8007
2.475		9722	10364
2.522		9625	13399
2.551		7557	3874
2.576		14008	9702
2.6	TCX	7656025	4477697
2.66		10273	8939
2.69		12375	22587
2.736		2699	1245
2.752		5831	3645
2.772		6916	3592
2.794		2380	2070
2.817		9071	18314
2.895		15429	6060
2.905		37210	16014
2.932		13299	12151
2.973		5142	2416
2.995		7013	9774
3.03		3850	1778
3.054		9099	7462
3.104		9036	21850
3.15		4187	2232
3.167		6527	3774
3.227		20859	17726
3.247		12040	8492
3.273		4045	3152
3.306		13164	15800
3.347		7598	12498
3.394		5462	3891
3.433		9898	12620
3.465		1842	1156
3.477		5763	11047
3.513		15382	8675
3.534		6613	5903
3.572		9752	19952
3.609		6467	2913
3.637		14053	16004
3.661		8673	4950
3.679		2459	1201
3.699		4951	2617
3.712		4037	1718
3.726		3717	1969

RT B	Compound B	Height B	Area B
3.751		17531	9712
3.792		6414	4925
3.811		14521	14022
3.857		269108	176529
3.882		18663	10381
3.902		15492	8378
3.921		101094	67086
3.955		369131	241232
3.987		107917	63944
4.004		19484	13684
4.053		18504	23232
4.098		72964	64060
4.127		13483	9394
4.154		124960	83461
4.196		238687	157489
4.215		174688	86189
4.228		738181	408498
4.252		428595	402163
4.305		2674179	1920632
4.352		47231	51297
4.373		206970	128821
4.398		685618	493069
4.44		3743383	2715365
4.496		18700	13531
4.541		2704685	2443120
4.592		402530	340627
4.631		917929	750538
4.667		4228136	3337497
4.699		2230257	1559504
4.737		1508610	1158755
4.794		16942	10257
4.835		458347	475758
4.886		2884298	2136221
4.909		414046	261787
4.959		1598312	1343600
4.994		793263	603560
5.024		601273	471121
5.056		85778	52091
5.078		8310091	6695956
5.119		156582	112708
5.151		216079	174244
5.197		8901	6331
5.216		9274	7001
5.249		2708	1760
5.269		66367	41108
5.293		1336326	1056748
5.335		5020058	5060492
5.382		4467	10089
5.437		3874	5054
5.492		98446	83351
5.537		146285	111882
5.56		51613	32858
5.58		3694	1617
5.608		807897	678890
5.652		7237	4661
5.688		2569	1520
5.715		2055739	1630610
5.747		116170	83481
5.803		8425	7188
5.83		2391	1849
5.86		3514	4342
5.914		410874	337780
5.965		5269	7937
6.009		2506	2575
6.031		3458	2384
6.073	DCB	5758091	4897607

RT B	Compound B	Height B	Area B
6.178		2817	3216
6.212		2267	2605
6.245		8871	6983
6.272		45905	36426
6.336		10990	14889
6.422		1988	5757
6.447		2611	1968
6.49		8297	9164
6.512		1682	1112
6.587		1595	4998
6.651		3555	5830
6.692		7304	9987
6.727		1795	1427
6.76		3604	3779
6.841		3271	9201
6.871		3431	3952
6.967		65105	62367

8570343ACF ABA5102 T 162530010A 10225 SW-846 8082

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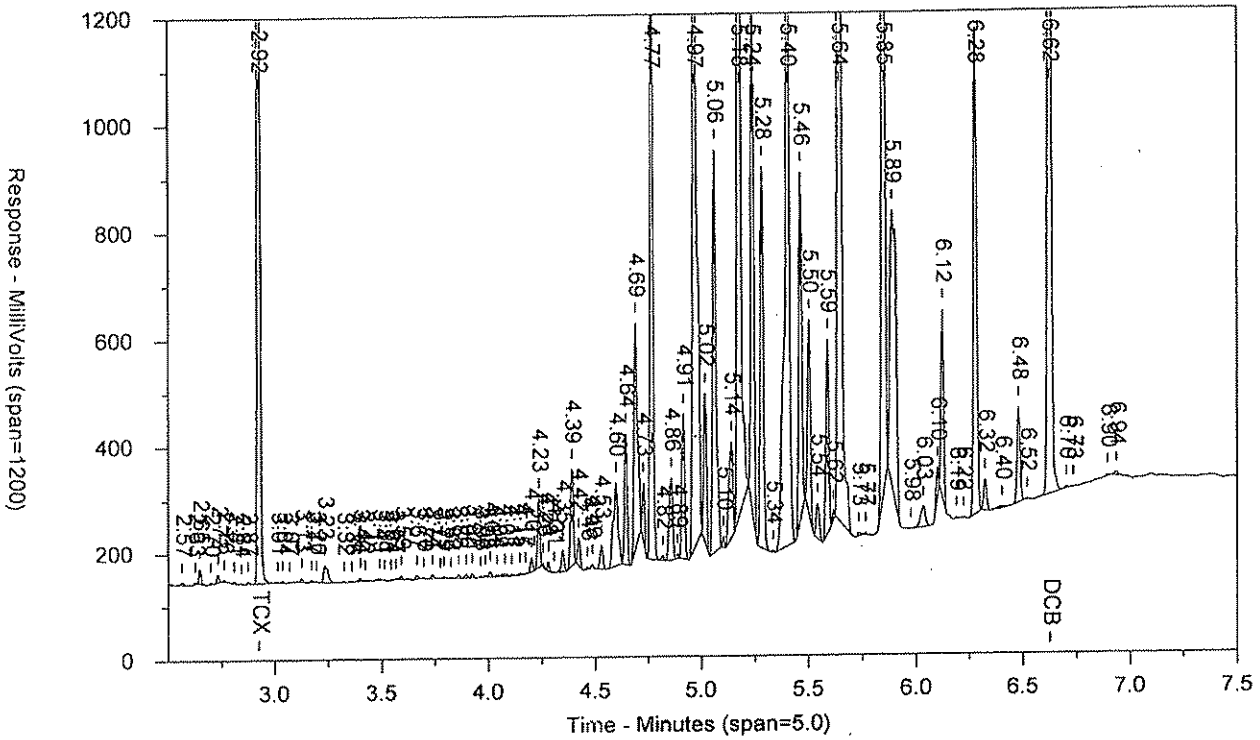

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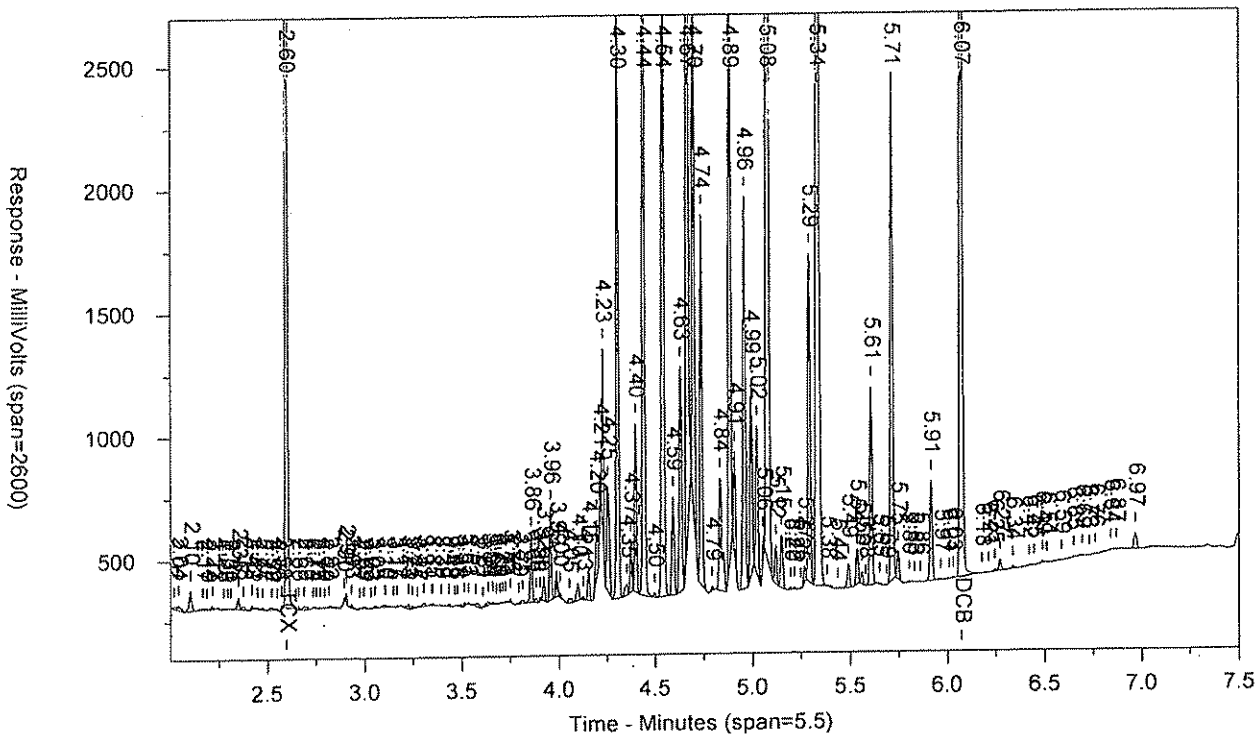

LANCASTER LABORATORIES

Sample Number: 8570343ACF ABA5102 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:53:20 AM Sample Weight: 10.2
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: 4
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	4320549	31.308	TCX	2.6	7656025	30.56	TCX
6.625	2515553	36.896	DCB	6.073	5758091	29.674	DCB

Files:
Area File: 25pcbs16207031.0038.RAW
Area File: 25pcbs16207031B.0038.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 3:01:53 AM
File Reported On: 9/12/2016 at 3:02:03 AM

8570343ACF ABA5102 T 162530010A 10225 SW-846 8082

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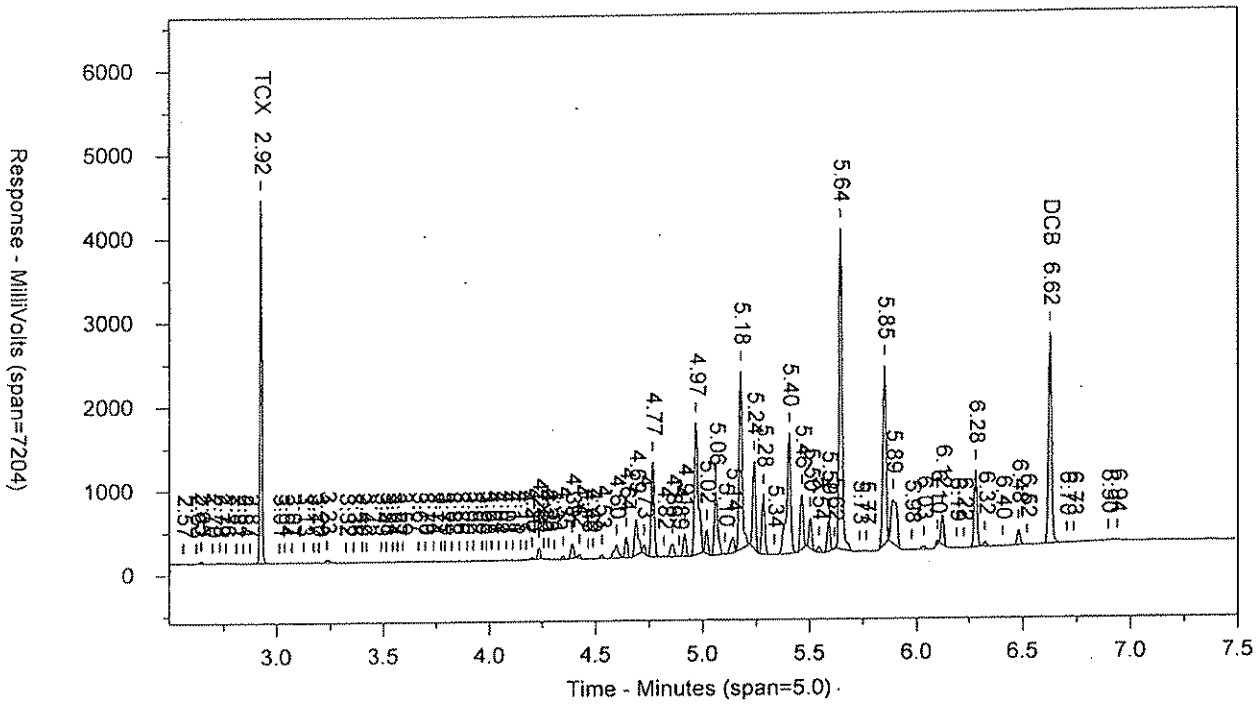

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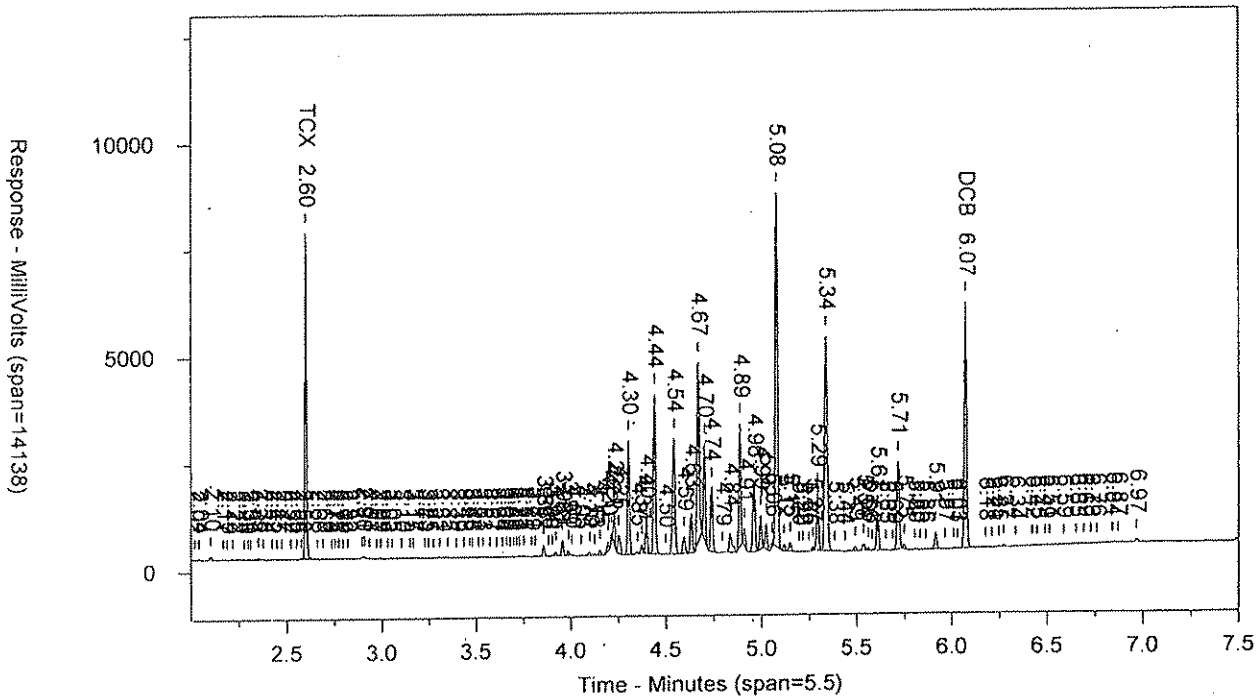

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Data Summary

Sample Name: 8570344 ACF A5103 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.23 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 20, 2016 19:33:58
Instrument	17342A
Result file	20PCBS16257005.0007.RAW
Calibration file	20PCBS1625701
Method file	20PCBS

%SSR(TCX) 109% (46 - 148) Conc: 31.24857
%SSR(DCB) 96% (49 - 139) Conc: 27.40924

Analysis Report (B)

Injected on	Sep 20, 2016 19:33:58
Instrument	17342B
Result file	20PCBS16257005B.0007.RAW
Calibration file	20PCBS1625701B
Method file	20PCBSB

%SSR(TCX) 108% (46 - 148) Conc: 30.96331
%SSR(DCB) 107% (49 - 139) Conc: 30.55795

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.99	3.02	3.05	3283631	31.24857
Decachlorobiphenyl	6.71	6.74	6.77	1633299	27.40924

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.60	2.63	2.66	10209420	30.96331
Decachlorobiphenyl	6.10	6.12	6.16	7794086	30.55795

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	31.24857				0.92	
☑ Decachlorobiphenyl	B	30.55795				10.86	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.62**	
4.86	4.88	4.90	204194.6	62.612225			1
5.16	5.18	5.20	121822.7	66.409506			2
5.34	5.35	5.38	194848	85.269087			3
5.50	5.52	5.54	234608.1	87.916454			4
5.74	5.76	5.78	576597.8	93.577792			5
5.95	5.96	5.99	333981.3	97.899176			6

Height summation: **1666052.5**
Concentration CF: **82.280707** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.38**	
4.33	4.34	4.37	731464.5	62.057912			1
4.46	4.48	4.50	979024.9	71.445866			2
4.56	4.58	4.60	666732.5	59.647974			3
4.91	4.93	4.95	765167.1	85.581376			4
5.11	5.12	5.15	2088632	99.871758			5
5.37	5.38	5.41	1301640	93.833345			6

Height summation: **6532661**
Concentration CF: **78.739705** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<49.8534	<9.6774			4	
☑ PCB-1221			<49.8534	<14.956			3	
☑ PCB-1232			<49.8534	<12.0235			4	
☑ PCB-1242			<49.8534	<12.0235			4	
☑ PCB-1248			<49.8534	<9.6774			4	
☑ PCB-1254			<49.8534	<12.9032			4	
☑ PCB-1260	A	82.280707	49.8534	11.437		4.40	4	

Units: ug/kg

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

Reviewed by: [signature]
Kirby B. Turner
Associate Chemist
Date: SEP 21 2016

Verified by: [signature]
Valerie L. Tomayko
Principal Specialist
Date: SEP 22 2016

9/21/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570344** ACF A5103 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.23 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 20, 2016 19:33:58
Instrument : P 20--17342A
Result file : 20PCBS16257005.0007.RAW
Calibration file : 20PCBS1625701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 109% (46-148) Conc.: 31.24857
%SSR(DCB) : 96% (49-139) Conc.: 27.40924

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	109.89	
3.25	3.28	3.29	1790.503	1.019383			1
+ 3.47	3.47	3.51	1063.617	0.592538			2
3.47	3.49	3.51	1645.433	0.916665			2
+ 3.47	3.51	3.51	1496.682	0.833797			2
3.81	3.83	3.85	874.1846	0.378917			4
3.87	3.88	3.91	9618.16	4.908592			5
4.06	4.07	4.10	1739.266	1.119638			6
Height Summation:			15667.5466				
Amount Avg CF:			1.668639	Linear:			
Aroclor-1221					3	104.72	
3.15	3.17	3.19	1436.775	1.634685			1
3.21	3.22	3.25	5020.302	6.518601			2
+ 3.21	3.24	3.25	1551.394	2.014404			2
3.25	3.28	3.29	1790.503	0.748466			3
Height Summation:			8247.58				
Amount Avg CF:			2.967251	Linear:			
Aroclor-1232					5	105.39	
3.25	3.28	3.29	1790.503	0.919992			1
+ 3.47	3.47	3.51	1063.617	1.346339			2
3.47	3.49	3.51	1645.433	2.082809			2
+ 3.47	3.51	3.51	1496.682	1.894518			2
3.81	3.81	3.85	3079.543	2.907778			4
+ 3.81	3.83	3.85	874.1846	0.825426			4
3.87	3.88	3.91	9618.16	11.434654			5
4.06	4.07	4.10	1739.266	2.691237			6
Height Summation:			17872.905				
Amount Avg CF:			4.007294	Linear:			
Aroclor-1242					5	112.65	
3.25	3.28	3.29	1790.503	1.349167			1
+ 3.47	3.47	3.51	1063.617	0.818726			2
3.47	3.49	3.51	1645.433	1.266582			2
+ 3.47	3.51	3.51	1496.682	1.15208			2
3.81	3.83	3.85	874.1846	0.502222			4
3.87	3.88	3.91	9618.16	6.896945			5
4.06	4.07	4.10	1739.266	1.508426			6
Height Summation:			15667.5466				
Amount Avg CF:			2.304668	Linear:			
Aroclor-1248					6	128.15	
3.87	3.88	3.91	9618.16	8.933893			1
3.93	3.94	3.97	3455.008	1.715573			2
+ 3.93	3.96	3.97	1782.713	0.8852			2
4.06	4.07	4.10	1739.266	0.795719			3
+ 4.15	4.16	4.19	3581.359	2.027385			4
4.15	4.19	4.19	6592.113	3.731755			4
4.34	4.34	4.38	19274.89	9.830009			5
+ 4.34	4.36	4.38	2209.282	1.126713			5
4.74	4.76	4.77	47719.35	35.112661			6
Height Summation:			88398.787				
Amount Avg CF:			10.019935	Linear:			

Analysis Report (B)

Injected on : Sep 20, 2016 19:33:58
Instrument : P 20--17342B
Result file : 20PCBS16257005B.0007.RAW
Calibration file : 20PCBS1625701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 108% (46-148) Conc.: 30.96331
%SSR(DCB) : 107% (49-139) Conc.: 30.55795

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	98.17	
+ 3.22	3.24	3.26	4131.49	0.639666			2
3.22	3.26	3.26	79589.78	12.322647			2
3.42	3.43	3.46	5676.731	0.884015			3
+ 3.49	3.50	3.53	5375.598	0.782913			4
3.49	3.53	3.53	6949.938	1.012203			4
+ 3.65	3.66	3.69	9548.516	1.651149			5
3.65	3.69	3.69	32333.22	5.591127			5
3.74	3.76	3.78	19076.09	4.011926			6
Height Summation:			143625.759				
Amount Avg CF:			4.764384	Linear:			
Aroclor-1221					1		
2.84	2.85	2.88	6848.245	4.027008			2
+ 2.84	2.87	2.88	6826.218	4.014055			2
Height Summation:			6848.245				
Amount Avg CF:			4.027008	Linear:			
Aroclor-1232					5	119.43	
+ 3.22	3.24	3.26	4131.49	1.460626			2
3.22	3.26	3.26	79589.78	28.13777			2
3.42	3.43	3.46	5676.731	1.961662			3
+ 3.49	3.50	3.53	5375.598	1.830993			4
3.49	3.53	3.53	6949.938	2.367232			4
3.65	3.66	3.69	9548.516	4.168576			5
3.74	3.76	3.78	19076.09	9.373634			6
Height Summation:			120841.055				
Amount Avg CF:			9.201775	Linear:			
Aroclor-1242					5	122.76	
+ 3.22	3.24	3.26	4131.49	0.902004			2
3.22	3.26	3.26	79589.78	17.376375			2
3.42	3.43	3.46	5676.731	1.228709			3
+ 3.49	3.50	3.53	5375.598	1.111337			4
3.49	3.53	3.53	6949.938	1.436812			4
3.65	3.66	3.69	9548.516	2.337208			5
3.74	3.76	3.78	19076.09	5.379725			6
Height Summation:			120841.055				
Amount Avg CF:			5.551766	Linear:			
Aroclor-1248					6	145.54	
3.42	3.43	3.46	5676.731	2.120244			1
+ 3.52	3.53	3.56	6949.938	1.089936			2
3.52	3.56	3.56	28383.79	4.451335			2
3.65	3.66	3.69	9548.516	1.23178			3
3.74	3.76	3.78	19076.09	3.498947			4
3.87	3.89	3.91	81130.16	7.793202			5
+ 4.23	4.23	4.27	61325.77	13.009234			6
+ 4.23	4.25	4.27	38032.87	8.068036			6
4.23	4.26	4.27	170629.8	36.196251			6
Height Summation:			314445.087				
Amount Avg CF:			9.215293	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570344** ACF A5103 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10.23 g Total Volume: 10 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 20, 2016 19:33:58
Instrument : P 20--17342A
Result file : 20PCBS16257005.0007.RAW
Calibration file : 20PCBS1625701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	138.73	
4.32	4.34	4.36	19274.89	7.796544			1
+ 4.67	4.69	4.71	6295.516	2.665066			2
4.67	4.71	4.71	19770.9	8.369569			2
4.74	4.76	4.78	47719.35	10.289937			3
4.86	4.88	4.90	204194.6	141.500949			4
4.96	4.97	4.99	34835.18	11.665818			5
5.16	5.18	5.20	121822.7	50.129449			6
Height Summation:			447617.62				
Amount Avg CF:			38.292044	Linear:			
Aroclor-1260					6	17.62	
4.86	4.88	4.90	204194.6	62.612225			1
5.16	5.18	5.20	121822.7	66.409506			2
5.34	5.35	5.38	194848	85.269087			3
5.50	5.52	5.54	234608.1	87.916454			4
5.74	5.76	5.78	576597.8	93.577792			5
5.95	5.96	5.99	333981.3	97.899176			6
Height Summation:			1666052.5				
Amount Avg CF:			82.280707	Linear:			
Aroclor-1262					6	38.22	
5.33	5.35	5.37	194848	48.075323			1
5.50	5.52	5.54	234608.1	69.189141			2
5.74	5.76	5.78	576597.8	71.218503			3
5.94	5.96	5.98	333981.3	76.042245			4
+ 6.00	6.00	6.04	13343.48	6.054965			5
6.00	6.02	6.04	38619.9	17.524826			5
6.37	6.39	6.41	163926.2	58.469255			6
Height Summation:			1542581.3				
Amount Avg CF:			56.753215	Linear:			
Aroclor-1268					6	127.97	
5.94	5.96	5.98	333981.3	34.247165			1
+ 6.00	6.00	6.04	13343.48	1.682408			2
6.00	6.02	6.04	38619.9	4.869375			2
6.13	6.15	6.17	11102.89	1.506238			3
6.19	6.21	6.23	9981.561	5.414621			4
6.37	6.39	6.41	163926.2	52.212664			5
6.57	6.59	6.61	48084.55	1.966216			6
Height Summation:			605696.401				
Amount Avg CF:			16.702713	Linear:			

Analysis Report (B)

Injected on : Sep 20, 2016 19:33:58
Instrument : P 20--17342B
Result file : 20PCBS16257005B.0007.RAW
Calibration file : 20PCBS1625701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	132.12	
4.17	4.19	4.21	44285.35	4.852303			1
+ 4.23	4.25	4.27	38032.87	2.422532			2
4.23	4.26	4.27	170629.8	10.868392			2
4.33	4.34	4.36	731464.5	100.464462			3
4.39	4.41	4.43	74355.76	7.609563			4
4.46	4.48	4.50	979024.9	171.827652			5
4.61	4.63	4.65	122836.1	17.550861			6
Height Summation:			2122596.41				
Amount Avg CF:			52.195539	Linear:			
Aroclor-1260					6	21.38	
4.33	4.34	4.37	731464.5	62.057912			1
4.46	4.48	4.50	979024.9	71.445866			2
4.56	4.58	4.60	666732.5	59.647974			3
4.91	4.93	4.95	765167.1	85.581376			4
5.11	5.12	5.15	2088632	99.871758			5
5.37	5.38	5.41	1301640	93.833345			6
Height Summation:			6532661				
Amount Avg CF:			78.739705	Linear:			
Aroclor-1262					6	28.10	
4.72	4.74	4.76	621239.8	43.844628			1
4.91	4.93	4.95	765167.1	54.375027			2
5.10	5.12	5.14	2088632	73.939984			3
5.32	5.34	5.36	384817.8	35.467131			4
5.37	5.38	5.41	1301640	75.170049			5
5.75	5.76	5.78	640664.3	56.139691			6
Height Summation:			5802161				
Amount Avg CF:			56.489418	Linear:			
Aroclor-1268					6	121.86	
5.32	5.34	5.36	384817.8	11.637387			1
5.37	5.38	5.41	1301640	39.6155			2
5.52	5.54	5.56	44784.17	1.512431			3
5.59	5.61	5.63	19186.07	2.7043			4
5.75	5.76	5.78	640664.3	53.203595			5
5.95	5.96	5.99	182310.6	1.762995			6
Height Summation:			2573402.94				
Amount Avg CF:			18.406035	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.8534	9.6774		** 96.25	4	40	
Aroclor-1221			49.8534	14.956		30.30	3	5	
Aroclor-1232			49.8534	12.0235		** 78.65	4	10	
Aroclor-1242			49.8534	12.0235		** 82.66	4	30	
Aroclor-1248			49.8534	9.6774		8.37	4	40	
Aroclor-1254			49.8534	12.9032		30.73	4	40	
Aroclor-1260			49.8534	11.437		4.40	4	40	
Aroclor-1262			49.8534	9.6774		0.47	4	40	
Aroclor-1268			49.8534	9.6774		9.70	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570344ACF ABA5103 T 162530010A 10225 SW-846 8082
Injected On: 9/20/2016 7:33:58 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: 20PCBS16257005.0007.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.022		3119	1914
2.054		1232	1448
2.069		4117	2112
2.083		1577	577
2.099		8148	4974
2.132		7397	5947
2.162		2460	1104
2.18		9989	6771
2.199		6644	3575
2.225		149608	102201
2.291		8994	9444
2.313		19320	13589
2.334		4206	3272
2.377		5363	3115
2.399		18758	12500
2.422		5641	4314
2.482		68715	55056
2.533		7139	10511
2.571		3447	2330
2.598		8063	5270
2.631		2806	2126
2.657		5231	3297
2.684		2594	1805
2.708		2154	1289
2.742		8704	6710
2.797		3739	4942
2.832		12178	12711
2.88		1175	1249
2.893		2149	933
2.921		5779	4675
2.945		2877	1772
2.967		4322	4035
3.018	TCX	3283631	2121286
3.103		4896	7452
3.134		4123	3810
3.172		1437	1033
3.201		2884	1541
3.218		5020	2950
3.243		1551	1141
3.282		1791	2231
3.325		4177	4063
3.35		3034	2434
3.402		2046	3334
3.446		2233	1554
3.471		1064	751
3.49		1645	905
3.509		1497	1162
3.543		1460	1151
3.561		5716	3102
3.579		4684	2773
3.632		1926	2303
3.658		1270	941
3.683		24713	17410
3.722		1351	895

RT A	Compound A	Height A	Area A
3.752		21800	15897
3.807		3080	3513
3.831		874	779
3.882		9618	10622
3.94		3455	2905
3.963		1783	1363
3.993		4672	5561
4.023		2039	1128
4.068		1739	2473
4.159		3581	3837
4.189		6592	4972
4.227		879	600
4.253		2192	2650
4.287		1555	1218
4.311		1148	1126
4.34		19275	14944
4.359		2209	1047
4.38		4164	3553
4.413		3864	3569
4.451		5234	3901
4.496		31124	29241
4.531		9649	8467
4.574		1686	1258
4.596		986	1019
4.639		8417	7880
4.693		6296	3380
4.71		19771	16248
4.756		47719	41704
4.802		75990	91857
4.841		17546	12834
4.881		204195	197154
4.934		1196	604
4.973		34835	38654
5.03		50964	48534
5.084		240112	200548
5.103		24313	14762
5.135		58888	51926
5.178		121823	133861
5.22		4068	2248
5.255		33275	41161
5.294		319051	357660
5.355		194848	184763
5.398		127917	130605
5.519		234608	331293
5.579		126253	113250
5.618		65073	58991
5.659		11640	10842
5.703		69161	61803
5.729		3103	1535
5.757		576598	605515
5.874		7969	12210
5.925		1139	933
5.963		333981	359325
6.003		13343	21664
6.016		38620	30166
6.148		11103	14694
6.213		9982	7125
6.236		69447	59568
6.329		1585	1834
6.392		163926	167523
6.438		10902	11849
6.479		912	905
6.592		48085	48500
6.633		4997	5655
6.74	DCB	1633299	1919757
7.065		2261	3667

RT A	Compound A	Height A	Area A
7.85		913	1063
7.983		29738	49392
8.263		5209	9046

LANCASTER LABORATORIES

Sample Number: 8570344ACF ABA5103 T 162530010A 10225 SW-846 8082
Injected On: 9/20/2016 7:33:58 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: 20PCBS16257005B.0007.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.007		2456	791
2.022		17691	17912
2.055		16063	12575
2.072		12771	5358
2.134		209071	151009
2.175		7268	5023
2.202		10780	6868
2.219		24215	19630
2.283		4792	2676
2.307		8192	7235
2.329		12657	9614
2.354		8736	8912
2.382		16528	8650
2.416		20613	21422
2.45		11663	6469
2.477		32723	20549
2.501		10570	13770
2.552		7388	4184
2.584		9159	4477
2.607		22118	14821
2.631	TCX	10209420	5984096
2.691		9667	8850
2.714		5318	4414
2.752		3824	1494
2.78		6589	5481
2.823		2204	1932
2.851		6848	2617
2.866		6826	4478
2.937		20759	21116
2.964		12649	10926
3.004		5584	2674
3.033		8001	11081
3.062		6326	3617
3.083		4705	2540
3.134		6055	6150
3.161		26867	19424
3.198		8203	3740
3.211		6569	3614
3.235		4131	3201
3.26		79590	44236
3.282		8999	7006
3.304		3242	2162
3.335		70732	48845
3.373		32651	31885
3.426		5677	5765
3.465		6338	9651
3.496		5376	5279
3.526		6950	4577
3.561		28384	33596
3.595		17565	47848
3.643		7191	3373
3.662		9549	8065
3.692		32333	22281
3.714		6763	7492

RT B	Compound B	Height B	Area B
3.765		19076	35261
3.826		5719	4904
3.844		14394	14812
3.89		81130	50573
3.915		13416	10898
3.955		14227	22220
3.99		109232	74719
4.022		38126	24053
4.09		23417	20335
4.134		27466	23337
4.162		8053	4375
4.19		44285	32450
4.234		61326	43828
4.253		38033	20174
4.264		170630	96155
4.289		119726	115254
4.343		731465	567371
4.39		13282	16231
4.411		74356	49202
4.436		192636	148662
4.478		979025	770524
4.538		11204	9321
4.581		666733	659060
4.634		122836	110160
4.673		253854	222015
4.709		1043914	880142
4.741		621240	443020
4.779		404662	329088
4.837		7430	4696
4.854		2108	1169
4.879		127640	135711
4.93		765167	605783
4.954		114976	74944
5.004		445820	397257
5.04		211653	165204
5.069		159943	127312
5.101		23849	12702
5.123		2088632	1762441
5.165		42322	31809
5.197		59653	50971
5.241		3636	3400
5.279		4710	4014
5.316		19401	12373
5.339		384818	327585
5.384		1301640	1361516
5.431		4907	6419
5.489		2947	3232
5.54		44784	40677
5.584		45512	37003
5.608		19186	13216
5.657		253438	213412
5.685		12142	8215
5.73		3147	2182
5.763		640664	519502
5.796		35610	26694
5.855		12470	17008
5.964		182311	158589
5.998		3029	3614
6.124	DCB	7794086	6761739
6.327		16363	16057
6.392		4577	5954
6.546		9104	17681
6.601		3721	6257
6.747		3251	5347
6.803		2992	2357
6.853		1708	1735

RT B	Compound B	Height B	Area B
6.936		2250	2096
7.033		135050	138796
7.485		2749	3050
7.577		23736	29609
8.447		3251	4838

8570344ACF ABA5103 T 162530010A 10225 SW-846 8082

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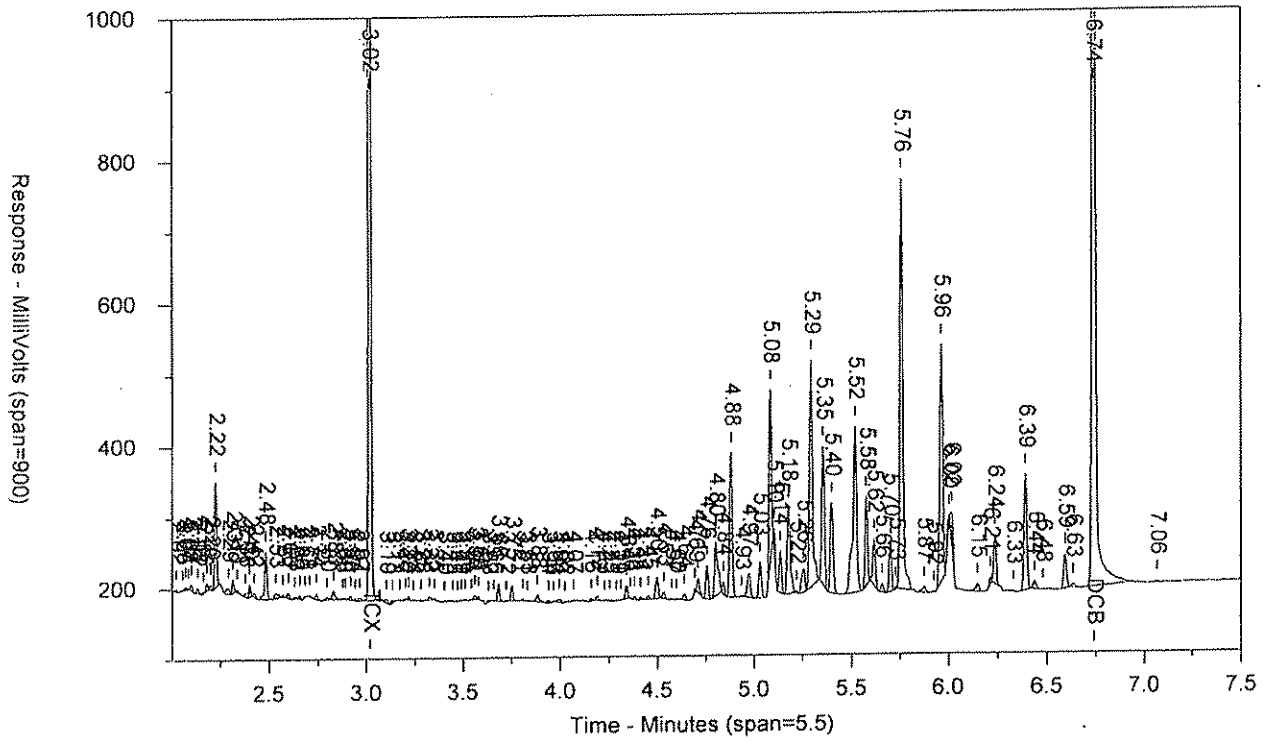

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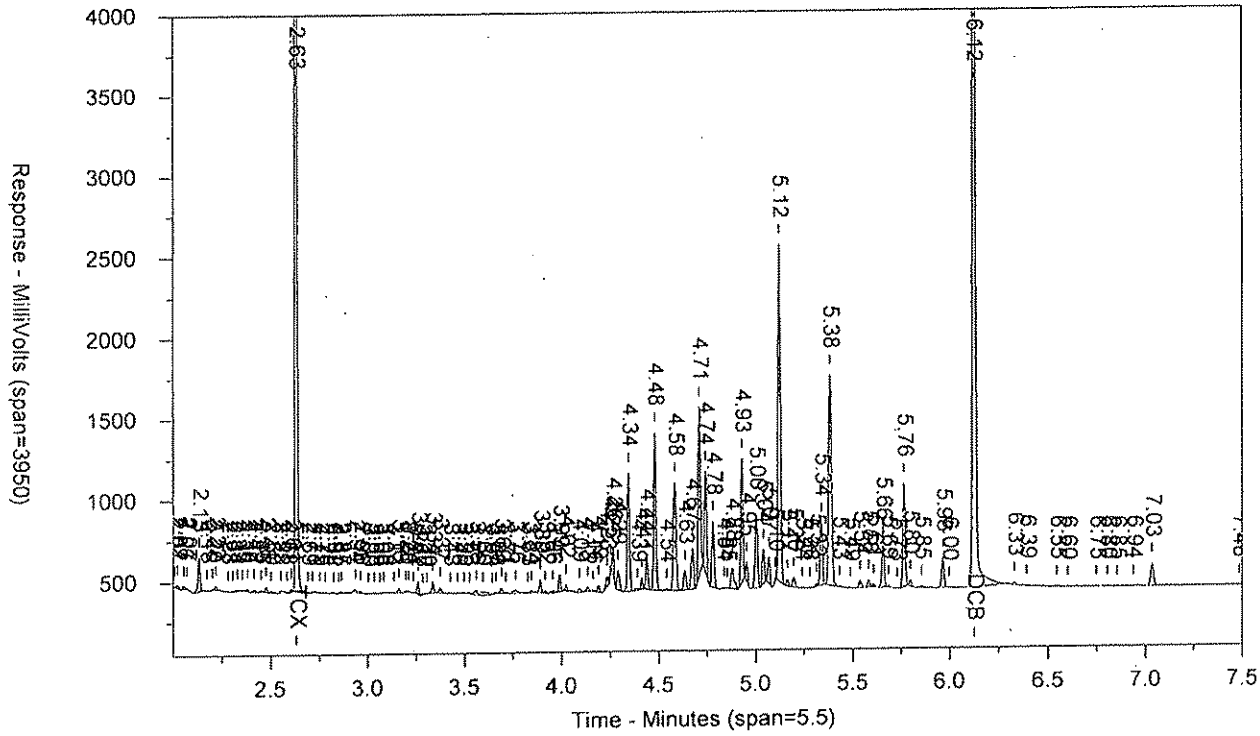

LANCASTER LABORATORIES

Sample Number: 8570344ACF ABA5103 T 162530010A 10225 SW-846 8082
Injected On: 9/20/2016 7:33:58 PM Sample Weight: 10.23
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
3.018	3283631	31.249	TCX	2.631	10209420	30.963	TCX
6.74	1633299	27.409	DCB	6.124	7794086	30.558	DCB

Files:
Area File: 20PCBS16257005.0007.RAW
Area File: 20PCBS16257005B.0007.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/20/2016 7:42:41 PM
File Reported On: 9/20/2016 at 7:42:56 PM

8570344ACF ABA5103 T 162530010A 10225 SW-846 8082

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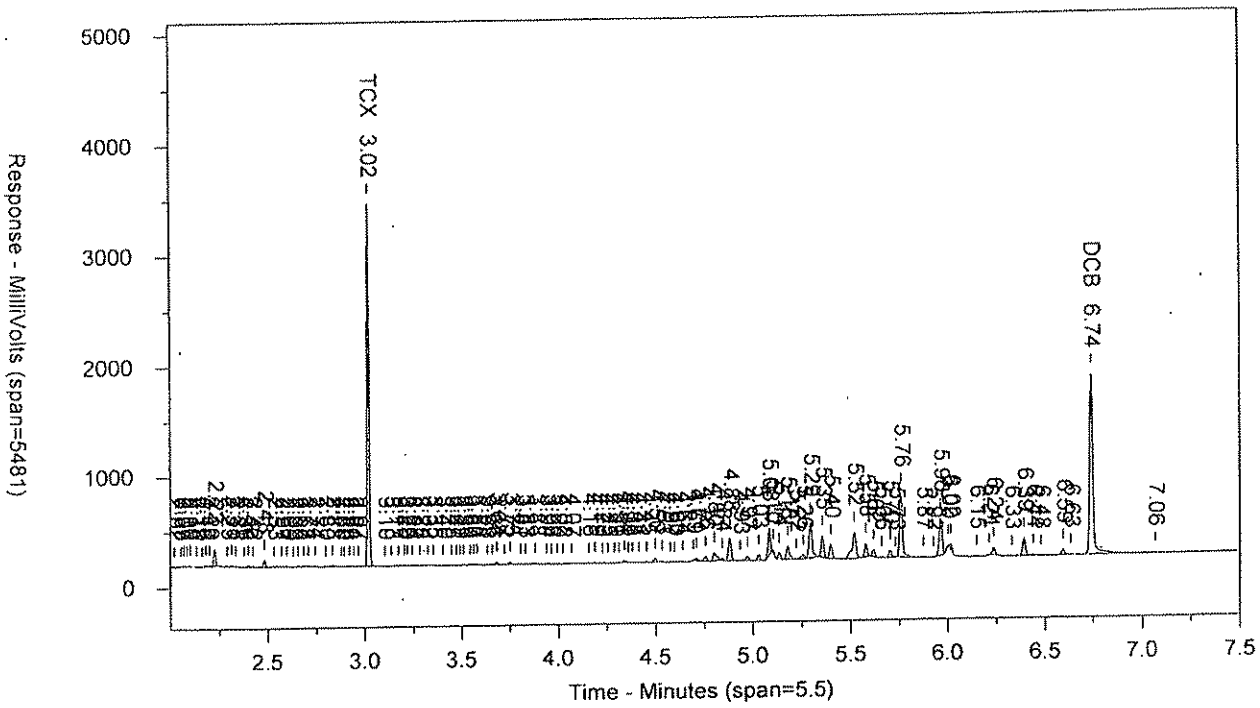

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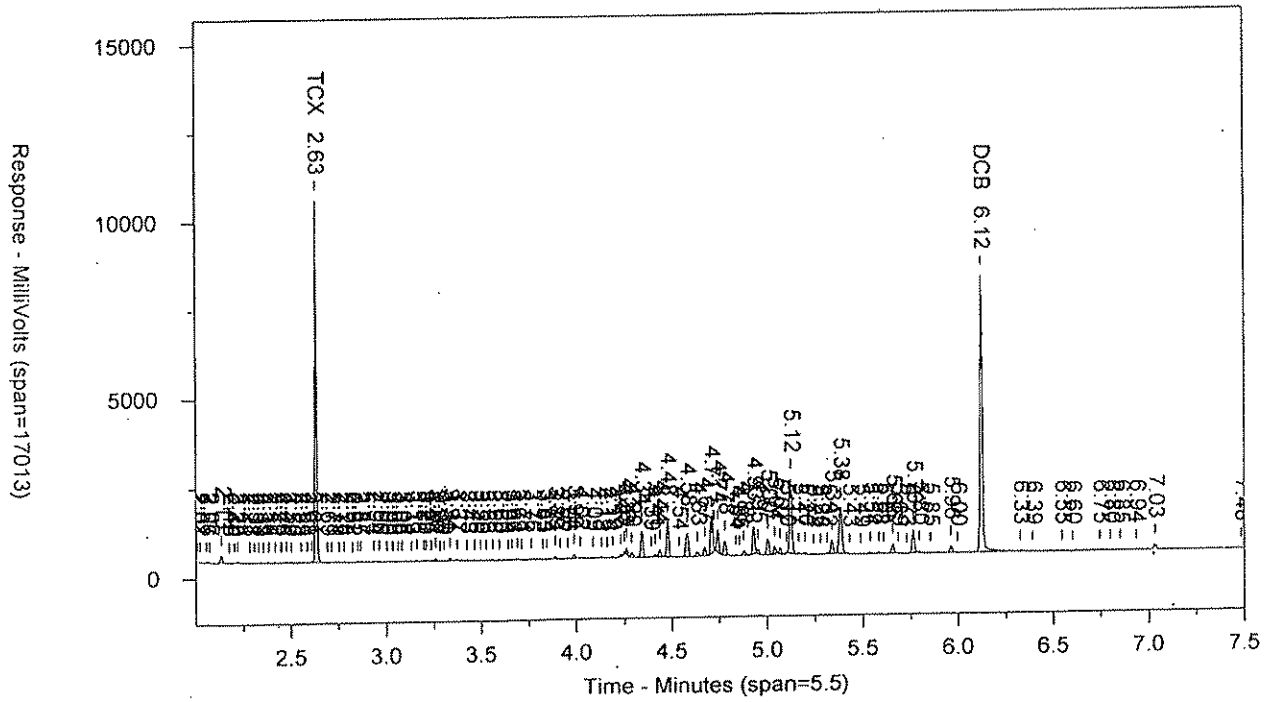

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Data Summary

Sample Name: 8570345 ACF DF50 A5104 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.18 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 03:15:56
Instrument	18274A
Result file	25PCBS16207031.0040.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 124% (46 - 148) Conc: 35.54053
%SSR(DCB) * 20% (49 - 139) Conc: 5.732504

Analysis Report (B)

Injected on	Sep 12, 2016 03:15:56
Instrument	18274B
Result file	25PCBS16207031B.0040.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 107% (46 - 148) Conc: 30.83131
%SSR(DCB) 123% (49 - 139) Conc: 35.37154

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	97900	35.54053
Decachlorobiphenyl	6.60	6.65	6.66	7801	5.732504

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	154177	30.83131
Decachlorobiphenyl	6.05	6.07	6.11	137003	35.37154

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	35.54053				14.19	
☑ Decachlorobiphenyl	A	5.732504			P	144.21	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.10**	
4.76	4.77	4.80	687927.2	8487.213202			1
4.96	4.97	5.00	1014205	11563.873977			2
5.23	5.24	5.27	633669.2	11869.410441			3
5.40	5.40	5.44	824310.1	12340.347775			4
5.64	5.64	5.68	2041335	14640.95251			5
5.84	5.85	5.88	1186344	14921.121307			6

Height summation: **6387790.5**
Concentration CF: **12303.819869** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.46**	
4.29	4.30	4.33	1725763	8730.671513			1
4.43	4.44	4.47	2426918	10846.855276			2
4.53	4.54	4.57	1752244	9390.2916			3
4.88	4.89	4.92	1803500	12126.642278			4
5.07	5.08	5.11	4998540	15163.035493			5
5.33	5.34	5.37	3044314	13782.525331			6

Height summation: **15751279**
Concentration CF: **11673.336915** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2504.9117	<486.2476			4	
☑ PCB-1221			<2504.9117	<751.4735			3	
☑ PCB-1232			<2504.9117	<604.1258			4	
☑ PCB-1242			<2504.9117	<604.1258			4	
☑ PCB-1248			<2504.9117	<486.2476			4	
☑ PCB-1254			<2504.9117	<648.3301			4	
☑ PCB-1260	A	12303.819869	2504.9117	574.6562		5.26	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570345** ACF DF50 A5104 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.18 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 03:15:56
Instrument : P 25--18274A
Result file : 25PCBS16207031.0040.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 124% (46-148) Conc.: 35.54053
%SSR(DCB) : *20% (49-139) Conc.: 5.732504

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	50.25	
3.17	3.18	3.21	1964.33	42.139718			1
3.39	3.40	3.43	3076.946	67.149184			2
3.51	3.51	3.55	764.6861	13.734377			3
3.73	3.74	3.77	4739.528	75.08978			4
3.79	3.79	3.83	1801.429	33.514615			5
3.98	3.99	4.02	1591.833	38.391159			6
+ 3.98	4.01	4.02	1463.117	35.28684			6
Height Summation:			13938.7521				
Amount Avg CF:			45.003139	Linear:			
Aroclor-1221					1		
3.17	3.18	3.21	1964.33	30.617301			3
Height Summation:			1964.33				
Amount Avg CF:			30.617301	Linear:			
Aroclor-1232					5	64.95	
3.17	3.18	3.21	1964.33	31.520817			1
3.39	3.40	3.43	3076.946	120.854236			2
3.51	3.51	3.55	764.6861	24.639432			3
3.73	3.74	3.77	4739.528	137.21195			4
3.99	3.99	4.02	1591.833	77.360061			6
+ 3.99	4.01	4.02	1463.117	71.104707			6
Height Summation:			12137.3231				
Amount Avg CF:			78.317299	Linear:			
Aroclor-1242					5	52.69	
3.17	3.18	3.21	1964.33	57.663778			1
3.39	3.40	3.43	3076.946	95.878783			2
3.51	3.51	3.55	764.6861	19.165162			3
3.73	3.74	3.77	4739.528	106.592722			4
3.98	3.99	4.02	1591.833	54.187241			6
+ 3.98	4.01	4.02	1463.117	49.805648			6
Height Summation:			12137.3231				
Amount Avg CF:			66.697537	Linear:			
Aroclor-1248					5	207.04	
3.79	3.79	3.83	1801.429	59.14823			1
3.85	3.86	3.89	3006.579	58.430615			2
3.98	3.99	4.02	1591.833	27.115206			3
+ 3.98	4.01	4.02	1463.117	24.922664			3
4.25	4.28	4.29	7189.869	142.443847			5
4.64	4.65	4.68	167370.9	4542.911518			6
Height Summation:			180960.61				
Amount Avg CF:			966.009883	Linear:			
Aroclor-1254					6	130.17	
4.23	4.24	4.27	84556.59	1364.562259			1
4.58	4.60	4.62	104079.6	1750.654954			2
4.64	4.65	4.68	167370.9	1499.287807			3
4.77	4.77	4.81	687927.2	18992.117136			4
4.86	4.86	4.90	84509.7	1190.295781			5
+ 4.86	4.89	4.90	5140.907	72.408255			5
5.06	5.06	5.10	474737.9	8085.712257			6
Height Summation:			1603181.89				
Amount Avg CF:			5480.438366	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 03:15:56
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0040.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 107% (46-148) Conc.: 30.83131
%SSR(DCB) : 123% (49-139) Conc.: 35.37154

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	153.41	
2.87	2.91	2.91	37270.21	454.610465			1
3.19	3.23	3.23	4014.137	39.557491			2
3.46	3.48	3.50	4042.668	36.26046			4
3.63	3.64	3.67	5103.824	53.866455			5
+ 3.63	3.66	3.67	2908.275	30.694331			5
3.72	3.75	3.76	1914.727	23.521603			6
Height Summation:			52345.566				
Amount Avg CF:			121.563295	Linear:			
Aroclor-1221					3	112.49	
+ 2.75	2.75	2.79	1246.788	27.252597			1
2.75	2.77	2.79	2439.334	53.31956			1
2.81	2.83	2.85	1270.389	43.577107			2
2.87	2.91	2.91	37270.21	317.354664			3
Height Summation:			40979.933				
Amount Avg CF:			138.083777	Linear:			
Aroclor-1232					5	90.52	
2.87	2.91	2.91	37270.21	324.048913			1
3.20	3.23	3.24	4014.137	73.084959			2
3.47	3.48	3.51	4042.668	70.380662			4
3.63	3.64	3.67	5103.824	113.545002			5
+ 3.63	3.66	3.67	2908.275	64.700525			5
3.72	3.75	3.76	1914.727	46.381029			6
Height Summation:			52345.566				
Amount Avg CF:			125.488113	Linear:			
Aroclor-1242					5	152.13	
2.87	2.91	2.91	37270.21	617.002627			1
3.20	3.23	3.24	4014.137	53.689636			2
3.47	3.48	3.51	4042.668	52.944214			4
3.63	3.64	3.67	5103.824	74.406208			5
+ 3.63	3.66	3.67	2908.275	42.39835			5
3.72	3.75	3.76	1914.727	32.038499			6
Height Summation:			52345.566				
Amount Avg CF:			166.016236	Linear:			
Aroclor-1248					6	142.55	
+ 3.50	3.51	3.54	6468.989	59.318212			1
3.50	3.54	3.54	9636.195	88.360308			1
3.63	3.64	3.67	5103.824	38.706752			2
+ 3.63	3.66	3.67	2908.275	22.055988			2
3.72	3.75	3.76	1914.727	19.897484			3
3.85	3.86	3.89	180725.7	988.143255			4
+ 3.85	3.88	3.89	8044.586	43.984909			4
+ 4.21	4.21	4.25	135790.3	1646.439827			5
4.21	4.23	4.25	493891.7	5988.372991			5
+ 4.37	4.37	4.40	101865.4	2060.573507			6
4.37	4.40	4.40	427934.2	8656.421857			6
Height Summation:			1119206.346				
Amount Avg CF:			2629.983775	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570345** ACF DF50 A5104 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.18 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 03:15:56
Instrument : P 25--18274A
Result file : 25PCBS16207031.0040.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	19.10	
4.76	4.77	4.80	687927.2	8487.213202			1
4.96	4.97	5.00	1014205	11563.873977			2
5.23	5.24	5.27	633669.2	11869.410441			3
5.40	5.40	5.44	824310.1	12340.347775			4
5.64	5.64	5.68	2041335	14640.95251			5
5.84	5.85	5.88	1186344	14921.121307			6
Height Summation:			6387790.5				
Amount Avg CF:			12303.819869	Linear:			
Aroclor-1262					5	21.30	
5.23	5.24	5.27	633669.2	6629.865723			1
E 5.40	5.40	5.44	824310.1	9894.520091			2
E 5.64	5.64	5.68	2041335	10745.248507			3
E 5.84	5.85	5.88	1186344	10907.186057			4
6.28	6.28	6.32	508576.7	7528.109771			6
Height Summation:			5194235				
Amount Avg CF:			9140.98603	Linear:			
Aroclor-1268					4	69.40	
5.84	5.85	5.88	1186344	5367.123981			1
6.03	6.03	6.07	20137.96	112.459699			3
+ 6.10	6.10	6.14	29745.62	599.268359			4
6.10	6.12	6.14	206512.2	4160.485722			4
6.28	6.28	6.32	508576.7	6628.571756			5
Height Summation:			1921570.86				
Amount Avg CF:			4067.16029	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 03:15:56
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0040.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	127.32	
4.15	4.15	4.19	67003.32	449.529702			1
+ 4.21	4.21	4.25	135790.3	523.956675			2
4.21	4.23	4.25	493891.7	1905.716778			2
4.30	4.30	4.34	1725763	14133.128042			3
+ 4.37	4.37	4.41	101865.4	618.322931			4
4.37	4.40	4.41	427934.2	2597.560396			4
4.43	4.44	4.47	2426918	24565.123113			5
4.58	4.59	4.62	234735	2039.619826			6
Height Summation:			5376245.22				
Amount Avg CF:			7615.112976	Linear:			
Aroclor-1260					6	21.46	
4.29	4.30	4.33	1725763	8730.671513			1
4.43	4.44	4.47	2426918	10846.855276			2
4.53	4.54	4.57	1752244	9390.2916			3
4.88	4.89	4.92	1803500	12126.642278			4
+ 4.88	4.91	4.92	202850.1	1363.953756			4
5.07	5.08	5.11	4998540	15163.035493			5
5.33	5.34	5.37	3044314	13782.525331			6
Height Summation:			15751279				
Amount Avg CF:			11673.336915	Linear:			
Aroclor-1262					6	31.52	
4.69	4.70	4.73	1423432	5622.842867			1
4.88	4.89	4.92	1803500	6981.957616			2
+ 4.88	4.91	4.92	202850.1	785.301248			2
E 5.07	5.08	5.11	4998540	10544.035876			3
5.28	5.29	5.32	836861.5	4281.924099			4
5.33	5.34	5.37	3044314	9411.037845			5
5.71	5.72	5.75	1281544	7373.684513			6
Height Summation:			13388191.5				
Amount Avg CF:			7369.247136	Linear:			
Aroclor-1268					6	126.23	
5.29	5.29	5.33	836861.5	1439.313004			1
5.33	5.34	5.37	3044314	5409.000138			2
5.49	5.49	5.53	43900.01	89.010044			3
5.55	5.56	5.59	22019.3	185.917204			4
+ 5.55	5.58	5.59	5082.472	42.913216			4
5.71	5.72	5.75	1281544	6423.599008			5
+ 5.71	5.75	5.75	64087.96	321.233884			5
5.91	5.91	5.95	225248.4	137.300049			6
Height Summation:			5453887.21				
Amount Avg CF:			2280.689908	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2504.9115	486.2475		** 91.93	4	40	
Aroclor-1221			2504.9115	751.4734		** 127.40	3	5	
Aroclor-1232			2504.9115	604.1257		** 46.29	4	10	
Aroclor-1242			2504.9115	604.1257		** 85.36	4	30	
Aroclor-1248			2504.9115	486.2475		** 92.55	4	40	
Aroclor-1254			2504.9115	648.33		32.60	4	40	
Aroclor-1260			2504.9115	574.6562		5.26	4	40	
Aroclor-1262			2504.9115	486.2475	E	21.46	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570345** ACF DF50 A5104 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.18 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 03:15:56
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0040.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 03:15:56
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0040.RAW
Calibration file	: 25PCBS1620701B.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			2504.9115	486.2475		** 56.29	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570345ACF DF50 ACA5104 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 3:15:56 AM
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: 25pcbs16207031.0040.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.036		4486	8457
2.089		12992	17240
2.13		3489	5270
2.197		22003	17918
2.309		8408	5538
2.374		7637	8099
2.424		7585	5758
2.49		5218	4542
2.567		2225	3906
2.627		2624	1554
2.648		15670	10612
2.707		2170	2199
2.762		3859	6411
2.844		769	724
2.885		1304	1361
2.925	TCX	97900	70568
3.011		905	769
3.038		1979	1168
3.117		1267	4522
3.178		1964	3391
3.233		20924	29940
3.327		1050	941
3.399		3077	4613
3.479		728	973
3.515		765	561
3.562		1662	2390
3.59		1331	2209
3.668		1652	1027
3.737		4740	4724
3.79		1801	3319
3.86		3007	2244
3.895		3871	3355
3.924		2604	2042
3.962		1153	819
3.985		1592	1089
4.011		1463	1025
4.048		1078	1195
4.066		2190	3137
4.112		1386	1295
4.145		2165	1534
4.202		23030	20709
4.235		84557	71010
4.279		7190	5638
4.307		2135	1387
4.347		24140	19815
4.39		119374	113286
4.424		18080	14321
4.463		2003	1493
4.488		4469	3821
4.53		23651	23120
4.598		104080	135624
4.645		167371	152908
4.69		295207	334642
4.728		71051	52564

RT A	Compound A	Height A	Area A
4.767		687927	673395
4.858		84510	100064
4.888		5141	3173
4.915		174696	164511
4.968		1014205	1227536
5.017		175784	160746
5.061		474738	539357
5.104		8493	4789
5.141		114188	137409
5.177		1269782	1374744
5.239		633669	592969
5.283		441133	443551
5.337		1908	1258
5.404		824310	1138838
5.463		397720	378999
5.502		218312	204682
5.543		42820	41403
5.588		233263	218089
5.616		9914	5460
5.644		2041335	2230918
5.733		4600	4811
5.766		2138	1185
5.787		2324	1501
5.851		1186344	1235815
5.891		314492	612042
6.034		20138	32367
6.098		29746	21708
6.123		206512	195876
6.193		1511	1384
6.279		508577	532505
6.325		31865	30568
6.395		1592	1801
6.479		97358	102853
6.53		939	942
6.624		53974	53159
6.651	DCB	7801	5330
6.704		2579	2437
6.895		3498	14998
6.943		1121	1440

LANCASTER LABORATORIES

Sample Number: 8570345ACF DF50 ACA5104 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 3:15:56 AM 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: 25pcbs16207031B.0040.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.101		13487	14066
2.145		1479	3266
2.22		8164	9443
2.262		2582	1842
2.295		1805	1693
2.35		29588	28868
2.449		2490	1937
2.553		984	476
2.576		3652	2374
2.599	TCX	154177	89503
2.702		3393	5337
2.754		1247	1601
2.77		2439	1246
2.798		1179	795
2.829		1270	2712
2.905		37270	36565
3.016		651	1742
3.056		2117	2028
3.09		2765	4217
3.187		2654	2233
3.227		4014	4212
3.249		4840	5710
3.311		1892	1164
3.339		1986	1353
3.36		2616	2953
3.433		1554	1021
3.477		4043	4638
3.511		6469	3634
3.536		9636	8837
3.638		5104	4764
3.659		2908	1604
3.678		1690	794
3.71		4061	2756
3.75		1915	2284
3.792		1613	830
3.814		5541	4733
3.856		180726	115412
3.882		8045	4193
3.902		4101	2035
3.92		85135	59343
3.955		266028	169067
3.987		38333	22415
4.003		13759	17042
4.064		12259	19920
4.098		35566	29662
4.126		7632	6006
4.154		67003	44967
4.197		141065	87409
4.215		135790	62325
4.228		493892	275472
4.253		277247	273830
4.305		1725763	1228223
4.352		29726	28155
4.373		101865	62288

RT B	Compound B	Height B	Area B
4.398		427934	318828
4.44		2426918	1847821
4.496		4957	3387
4.541		1752244.	1580789
4.593		234735	190891
4.631		566869	474934
4.667		2671982	2182666
4.7		1423433	978426
4.737		954021	762625
4.794		4686	2527
4.808		2734	1148
4.835		295817	302201
4.886		1803500	1367105
4.909		202850	130381
4.959		985545	854008
4.994		502220	387717
5.024		386170	298408
5.056		63759	36125
5.078		4998540	4041115
5.119		94432	66707
5.151		131712	104633
5.196		4085	3167
5.215		6134	3887
5.269		42117	25121
5.293		836862	668447
5.336		3044314	3194647
5.441		2205	2821
5.492		43900	36744
5.537		89085	68744
5.56		22019	13918
5.582		5082	2687
5.609		523491	426259
5.65		5047	4675
5.716		1281544	1013400
5.747		64088	47359
5.805		2732	2748
5.853		1143	586
5.914		225248	193020
6.035		1097	2301
6.074	DCB	137003	118286
6.119		1392	1618
6.245		3744	2794
6.272		26979	23766
6.339		2269	3670
6.393		1937	2101
6.517		3058	3866
6.777		930	10633
6.945		768	19533
6.969		3815	3504

8570345ACF DF50 ACA5104 T 162530010A 10225 SW-846 8082

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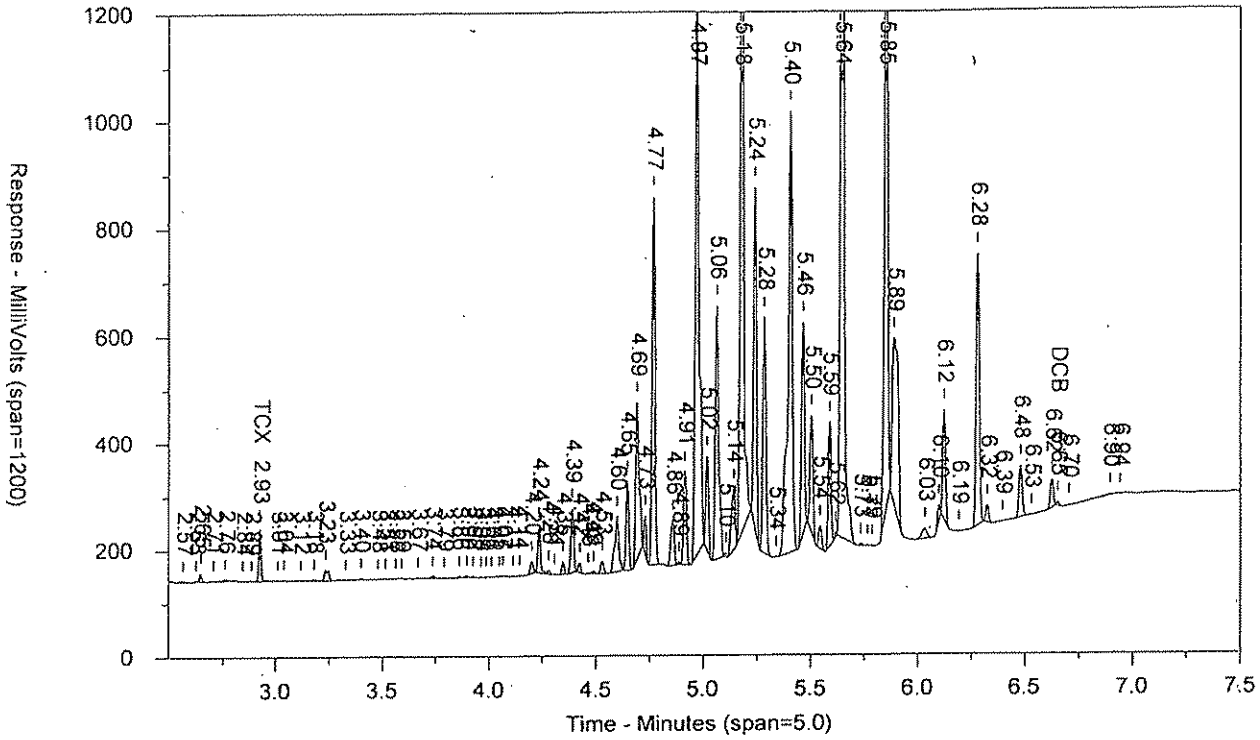

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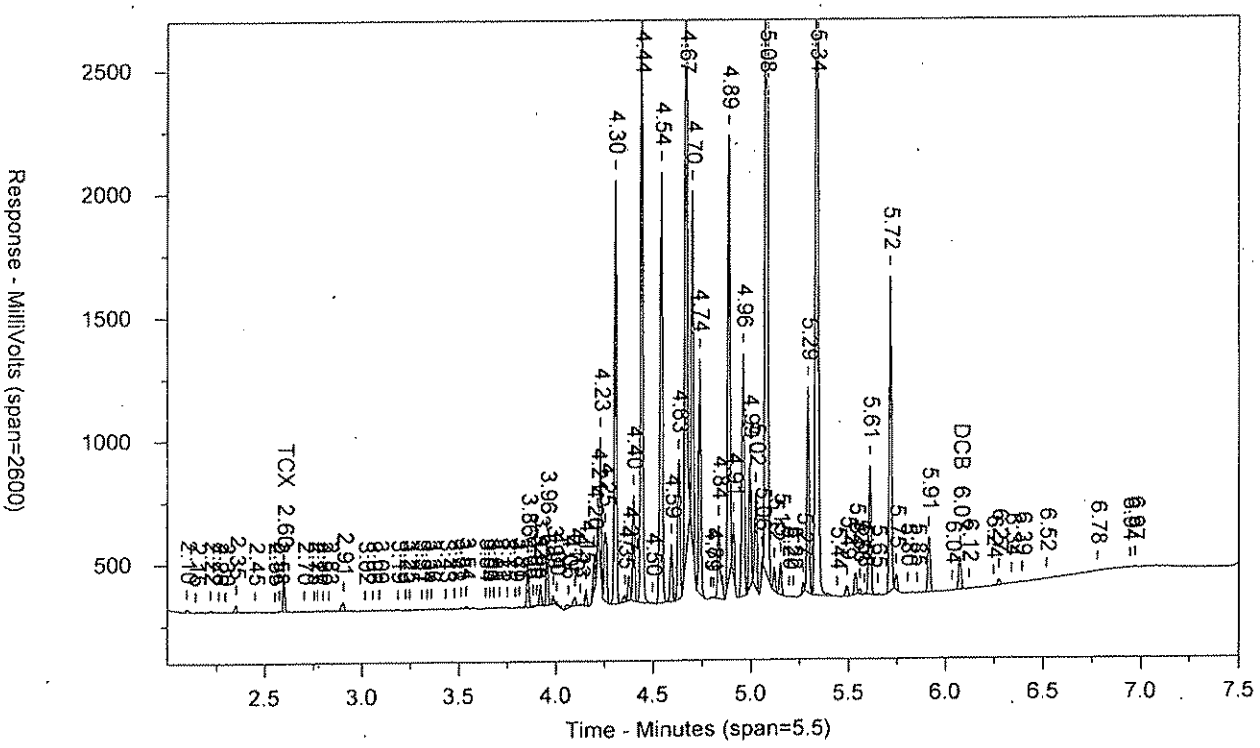

LANCASTER LABORATORIES

Sample Number: 8570345ACF DF50 ACA5104 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 3:15:56 AM
Sample Weight: 10.18
Dilution Factor: 500
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: 4
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	97900	35.541	TCX	2.599	154177	30.831	TCX
6.651	7801	5.733	DCB	6.074	137003	35.372	DCB

Files:
Area File: 25pcbs16207031.0040.RAW
Area File: 25pcbs16207031B.0040.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 3:24:26 AM
File Reported On: 9/12/2016 at 3:24:35 AM

8570345ACF DF50 ACA5104 T 162530010A 10225 SW-846 8082

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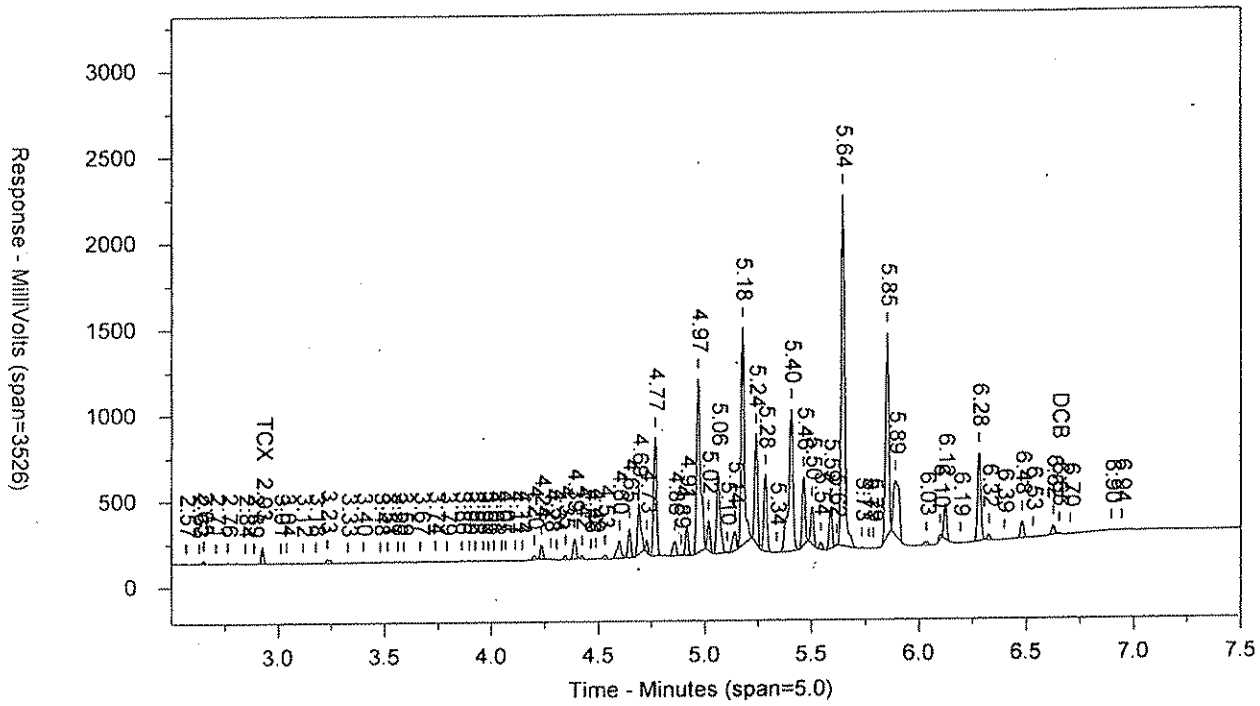

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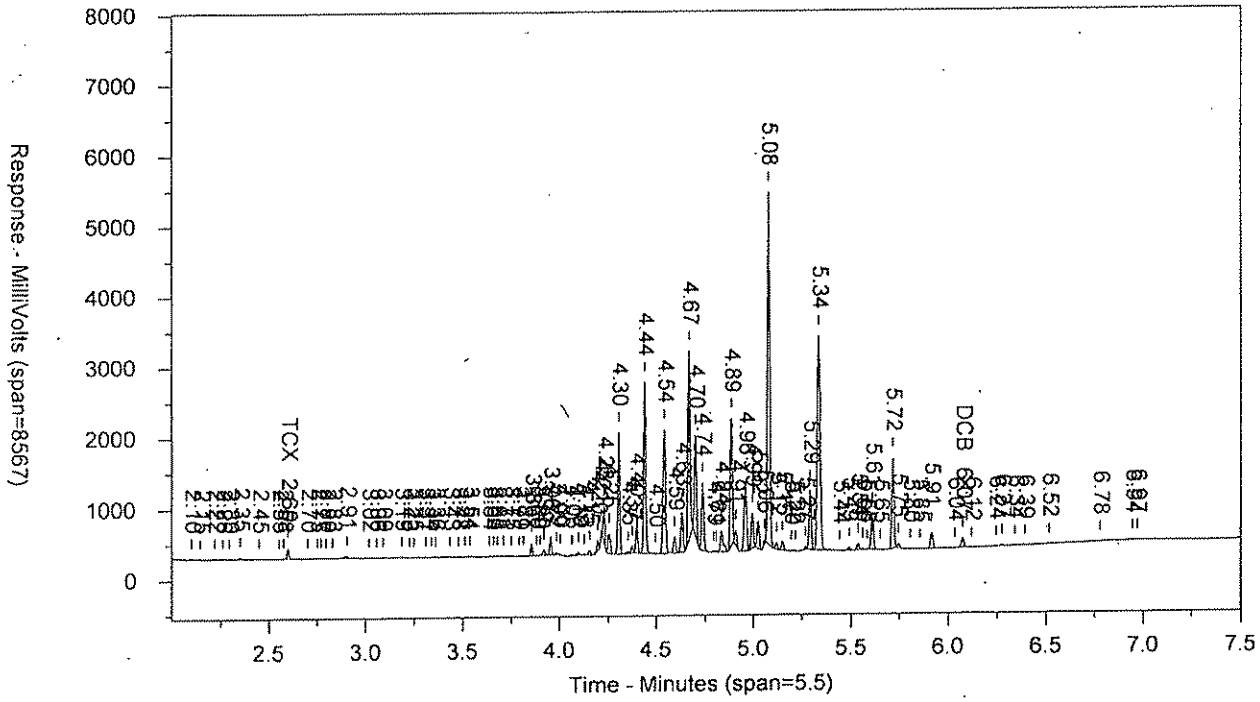

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Data Summary

Sample Name: 8570346 ACF DF10 A5105 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.11 g Total Volume: 100 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 03:27:16
Instrument	18274A
Result file	25PCBS16207031.0041.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 114% (46 - 148) Conc: 33.10464
%SSR(DCB) 6% (49 - 139) Conc: 1.723124

Analysis Report (B)

Injected on	Sep 12, 2016 03:27:16
Instrument	18274B
Result file	25PCBS16207031B.0041.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 107% (46 - 148) Conc: 30.82604
%SSR(DCB) 120% (49 - 139) Conc: 34.70866

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.92	2.96	452816	33.10464
Decachlorobiphenyl	6.60	6.65	6.66	11645	1.723124

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	765454	30.82604
Decachlorobiphenyl	6.05	6.07	6.11	667553	34.70866

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	33.10464				7.13	
☑ Decachlorobiphenyl	A	1.723124			P	181.08	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**20.30**	
4.76	4.77	4.80	1786153	4437.801841			1
4.96	4.97	5.00	2501513	5743.901518			2
5.23	5.24	5.27	1565582	5905.667436			3
5.40	5.41	5.44	2066867	6231.260785			4
5.64	5.64	5.68	5447124	7867.720621			5
5.84	5.85	5.88	3016185	7639.684381			6

Height summation: **16383424**
Concentration CF: **6304.33943** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.95**	
4.29	4.31	4.33	4284504	4365.094654			1
4.43	4.44	4.47	6322030	5690.257414			2
4.53	4.54	4.57	4485840	4841.220844			3
4.88	4.89	4.92	4540482	6148.270922			4
5.07	5.08	5.11	13120440	8015.267064			5
5.33	5.34	5.37	7893354	7196.603123			6

Height summation: **40646650**
Concentration CF: **6042.78567** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<504.451	<97.9228			4	
☑ PCB-1221			<504.451	<151.3353			3	
☑ PCB-1232			<504.451	<121.6617			4	
☑ PCB-1242			<504.451	<121.6617			4	
☑ PCB-1248			<504.451	<97.9228			4	
☑ PCB-1254			<504.451	<130.5638			4	
☑ PCB-1260	A	6304.33943	504.451	115.727		4.24	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tompkins, Principal Chemist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570346** ACF DF10 A5105 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.11 g Total Volume: 100 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 03:27:16
Instrument : P 25--18274A
Result file : 25PCBS16207031.0041.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 114% (46-148) Conc.: 33.10464
%SSR(DCB) : *6% (49-139) Conc.: 1.723124

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	61.19	
3.17	3.17	3.21	3744.836	16.178438			1
3.39	3.40	3.43	10128.52	44.513677			2
3.51	3.51	3.55	2265.243	8.193457			3
3.73	3.74	3.77	7407.103	23.633103			4
3.79	3.79	3.83	3665.27	13.732502			5
+ 3.79	3.82	3.83	1789.417	6.704328			5
3.98	3.99	4.02	3768.653	18.30402			6
+ 3.98	4.01	4.02	2507.627	12.179326			6
Height Summation:			30979.625				
Amount Avg CF:			20.7592	Linear:			
Aroclor-1221					3	17.49	
3.07	3.07	3.11	1815.917	15.299939			1
3.13	3.13	3.17	1117.483	11.186022			2
3.17	3.17	3.21	3744.836	11.754709			3
Height Summation:			6678.236				
Amount Avg CF:			12.74689	Linear:			
Aroclor-1232					6	80.01	
3.17	3.17	3.21	3744.836	12.10159			1
3.39	3.40	3.43	10128.52	80.115143			2
3.51	3.51	3.55	2265.243	14.699038			3
3.73	3.74	3.77	7407.103	43.184893			4
3.79	3.82	3.83	1789.417	12.402538			5
3.99	3.99	4.02	3768.653	36.883495			6
+ 3.99	4.01	4.02	2507.627	24.541938			6
Height Summation:			29103.772				
Amount Avg CF:			33.231116	Linear:			
Aroclor-1242					6	71.50	
3.17	3.17	3.21	3744.836	22.138494			1
3.39	3.40	3.43	10128.52	63.558735			2
3.51	3.51	3.55	2265.243	11.433277			3
3.73	3.74	3.77	7407.103	33.548064			4
3.79	3.82	3.83	1789.417	9.389568			5
3.98	3.99	4.02	3768.653	25.835229			6
+ 3.98	4.01	4.02	2507.627	17.190523			6
Height Summation:			29103.772				
Amount Avg CF:			27.650561	Linear:			
Aroclor-1248					5	206.12	
3.79	3.79	3.83	3665.27	24.235791			1
+ 3.79	3.82	3.83	1789.417	11.832126			1
3.85	3.86	3.89	7633.926	29.877372			2
3.98	3.99	4.02	3768.653	12.927906			3
+ 3.98	4.01	4.02	2507.627	8.602109			3
4.25	4.28	4.29	18546.6	73.996919			5
4.64	4.65	4.68	385059.9	2104.792262			6
Height Summation:			418674.349				
Amount Avg CF:			449.16605	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 03:27:16
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0041.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 107% (46-148) Conc.: 30.82604
%SSR(DCB) : 120% (49-139) Conc.: 34.70866

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	189.39	
2.87	2.91	2.91	150431.6	369.524538			1
3.19	3.23	3.23	7948.2	15.773641			2
3.39	3.41	3.43	4361.065	8.095882			3
3.46	3.48	3.50	10456.41	18.887499			4
3.63	3.64	3.67	13065.79	27.770583			5
+ 3.63	3.66	3.67	6344.909	13.485738			5
3.72	3.73	3.76	6445.667	15.946102			6
Height Summation:			192708.732				
Amount Avg CF:			75.999707	Linear:			
Aroclor-1221					3	130.02	
+ 2.75	2.75	2.79	2184.505	9.616011			1
2.75	2.77	2.79	5964.133	26.253622			1
2.81	2.83	2.85	3643.894	25.171786			2
2.87	2.91	2.91	150431.6	257.957844			3
Height Summation:			160039.627				
Amount Avg CF:			103.12775	Linear:			
Aroclor-1232					6	130.80	
2.87	2.91	2.91	150431.6	263.399182			1
3.20	3.23	3.24	7948.2	29.142796			2
3.39	3.41	3.43	4361.065	15.001401			3
3.47	3.48	3.51	10456.41	36.660172			4
3.63	3.64	3.67	13065.79	58.537561			5
+ 3.63	3.66	3.67	6344.909	28.426563			5
3.72	3.73	3.76	6445.667	31.443291			6
Height Summation:			192708.732				
Amount Avg CF:			72.364067	Linear:			
Aroclor-1242					6	188.32	
2.87	2.91	2.91	150431.6	501.523013			1
3.20	3.23	3.24	7948.2	21.408866			2
3.39	3.41	3.43	4361.065	11.135229			3
3.47	3.48	3.51	10456.41	27.577802			4
3.63	3.64	3.67	13065.79	38.35975			5
+ 3.63	3.66	3.67	6344.909	18.627969			5
3.72	3.73	3.76	6445.667	21.719998			6
Height Summation:			192708.732				
Amount Avg CF:			103.620776	Linear:			
Aroclor-1248					6	142.90	
+ 3.50	3.51	3.54	15489.97	28.604136			1
3.50	3.54	3.54	21645.95	39.971911			1
3.63	3.64	3.67	13065.79	19.955074			2
+ 3.63	3.66	3.67	6344.909	9.69043			2
3.72	3.73	3.76	6445.667	13.489188			3
3.85	3.86	3.89	510444.8	562.050576			4
+ 3.85	3.88	3.89	15376.36	16.930904			4
+ 4.21	4.22	4.25	300417.8	733.549448			5
4.21	4.23	4.25	1163232	2840.338327			5
+ 4.37	4.37	4.40	171400.5	698.232596			6
4.37	4.40	4.40	1105953	4505.310277			6
Height Summation:			2820787.207				
Amount Avg CF:			1330.185892	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570346** ACF DF10 A5105 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.11 g Total Volume: 100 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 03:27:16
Instrument : P 25--18274A
Result file : 25PCBS16207031.0041.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	140.97	
4.23	4.24	4.27	236548.8	768.764398			1
4.58	4.60	4.62	233874.5	792.217502			2
4.64	4.65	4.68	385059.9	694.64029			3
E 4.77	4.77	4.81	1786153	9930.615667			4
+ 4.77	4.80	4.81	6378.256	35.461693			4
4.86	4.89	4.90	13461.98	38.184217			5
5.06	5.06	5.10	1156872	3968.042416			6
Height Summation:			3811970.18				
Amount Avg CF:			2698.744082	Linear:			
Aroclor-1260					6	20.30	
4.76	4.77	4.80	1786153	4437.801841			1
4.96	4.97	5.00	2501513	5743.901518			2
5.23	5.24	5.27	1565582	5905.667436			3
5.40	5.41	5.44	2066867	6231.260785			4
5.64	5.64	5.68	5447124	7867.720621			5
5.84	5.85	5.88	3016185	7639.684381			6
Height Summation:			16383424				
Amount Avg CF:			6304.33943	Linear:			
Aroclor-1262					5	23.15	
E 5.23	5.24	5.27	1565582	3298.713302			1
E 5.40	5.41	5.44	2066867	4996.239665			2
E 5.64	5.64	5.68	5447124	5774.256367			3
E 5.84	5.85	5.88	3016185	5584.530629			4
E 6.28	6.28	6.32	1287289	3837.356604			6
Height Summation:			13383047				
Amount Avg CF:			4698.219313	Linear:			
Aroclor-1268					4	70.09	
E 5.84	5.85	5.88	3016185	2747.992755			1
6.03	6.03	6.07	51211.46	57.593732			3
+ 6.10	6.10	6.14	68829.25	279.253084			4
E 6.10	6.12	6.14	501673.2	2035.381589			4
E 6.28	6.28	6.32	1287289	3378.828734			5
Height Summation:			4856358.66				
Amount Avg CF:			2054.949202	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 03:27:16
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0041.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	130.22	
4.15	4.16	4.19	164032	221.624245			1
+ 4.21	4.22	4.25	300417.8	233.441954			2
4.21	4.23	4.25	1163232	903.89834			2
4.30	4.31	4.34	4284504	7066.173727			3
+ 4.37	4.37	4.41	171400.5	209.520905			4
4.37	4.40	4.41	1105953	1351.92297			4
E 4.43	4.44	4.47	6322030	12886.857099			5
4.58	4.59	4.62	534565.2	935.402823			6
Height Summation:			13574316.2				
Amount Avg CF:			3894.313201	Linear:			
Aroclor-1260					6	22.95	
4.29	4.31	4.33	4284504	4365.094654			1
4.43	4.44	4.47	6322030	5690.257414			2
4.53	4.54	4.57	4485840	4841.220844			3
4.88	4.89	4.92	4540482	6148.270922			4
+ 4.88	4.91	4.92	528870.1	716.143497			4
5.07	5.08	5.11	13120440	8015.267064			5
5.33	5.34	5.37	7893354	7196.603123			6
Height Summation:			40646650				
Amount Avg CF:			6042.78567	Linear:			
Aroclor-1262					6	34.99	
E 4.69	4.70	4.73	3489586	2776.001817			1
E 4.88	4.89	4.92	4540482	3539.888949			2
+ 4.88	4.91	4.92	528870.1	412.322177			2
E 5.07	5.08	5.11	13120440	5573.637516			3
E 5.28	5.29	5.32	1997533	2058.287123			4
E 5.33	5.34	5.37	7893354	4914.012687			5
E 5.71	5.72	5.75	3089384	3579.723985			6
Height Summation:			34130779				
Amount Avg CF:			3740.25868	Linear:			
Aroclor-1268					6	126.34	
5.29	5.29	5.33	1997533	691.866403			1
E 5.33	5.34	5.37	7893354	2824.331997			2
5.49	5.49	5.53	114230.6	46.642677			3
5.55	5.56	5.59	55526.94	94.416181			4
+ 5.55	5.58	5.59	10465.25	17.794767			4
E 5.71	5.72	5.75	3089384	3118.483222			5
+ 5.71	5.75	5.75	160390.8	161.901537			5
5.91	5.92	5.95	563645.7	69.189755			6
Height Summation:			13713674.24				
Amount Avg CF:			1140.821706	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			504.451	97.9228		** 114.18	4	40	
Aroclor-1221			504.451	151.3353		** 156.00	3	5	
Aroclor-1232			504.451	121.6617		** 74.12	4	10	
Aroclor-1242			504.451	121.6617		** 115.75	4	30	
Aroclor-1248			504.451	97.9228		** 99.03	4	40	
Aroclor-1254			504.451	130.5638	E	36.27	4	40	
Aroclor-1260			504.451	115.727		4.24	4	40	
Aroclor-1262			504.451	97.9228	E	22.70	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570346** ACF DF10 A5105 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.11 g Total Volume: 100 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 03:27:16
Instrument : P 25--18274A
Result file : 25PCBS16207031.0041.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 12, 2016 03:27:16
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0041.RAW
Calibration file : 25PCBS1620701B.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			504.451	97.9228	E	** 57.21	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570346ACF DF10 ACA5105 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 3:27:16 AM 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: 25pcbs16207031.0041.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.006		3127	2026
2.037		9874	10120
2.087		12920	13925
2.132		21460	22718
2.197		72743	54349
2.283		4477	3040
2.308		9481	7742
2.381		11336	13262
2.407		1760	817
2.423		5702	4118
2.489		5584	7035
2.566		2685	4921
2.628		7988	4448
2.648		61137	38883
2.703		1941	2293
2.759		5313	11600
2.81		3612	3726
2.885		1547	1584
2.925	TCX	452816	311502
3.012		1484	1233
3.039		4446	2980
3.071		1816	2119
3.126		1117	910
3.175		3745	5583
3.232		84172	95417
3.321		1441	1374
3.398		10129	16266
3.483		1476	2396
3.514		2265	1660
3.563		2191	2992
3.592		3570	2327
3.669		1880	1303
3.698		3657	4133
3.737		7407	6999
3.791		3665	3065
3.825		1789	1761
3.861		7634	6111
3.895		11969	10101
3.924		5583	4325
3.965		2450	1643
3.986		3769	2357
4.009		2508	1942
4.041		2729	1906
4.067		7666	11226
4.114		2285	2357
4.147		5583	4550
4.201		23048	20061
4.236		236549	207075
4.281		18547	14153
4.309		1636	1115
4.347		62991	52038
4.391		284438	265279
4.425		36788	28857
4.464		5585	3882

RT A	Compound A	Height A	Area A
4.489		10787	8447
4.53		59586	58910
4.599		233875	320922
4.645		385060	350939
4.691		670357	764725
4.728		159127	121811
4.768		1786153	1629227
4.804		6378	8864
4.856		167903	206871
4.889		13462	8251
4.916		397843	377963
4.969		2501513	2993324
5.019		400398	360707
5.062		1156872	1273658
5.104		17941	10289
5.141		262159	312637
5.178		3174307	3373600
5.24		1565583	1404581
5.284		1050270	1039688
5.336		5527	3802
5.405		2066867	2722459
5.463		968816	889182
5.504		535550	491766
5.544		95716	90152
5.588		529683	482509
5.617		26359	14512
5.645		5447124	5577747
5.734		12263	13773
5.767		2477	1070
5.787		7000	4914
5.852		3016185	3124668
5.89		776985	1482971
6.035		51211	84410
6.1		68829	51738
6.123		501673	466586
6.157		6207	4256
6.192		5986	5865
6.246		3345	3152
6.281		1287289	1297828
6.325		82529	79322
6.366		1875	1117
6.392		6620	8115
6.48		237936	249243
6.625		270626	265681
6.653	DCB	11645	7738
6.704		6855	6757
6.873		1480	8917
6.896		2906	2552
6.934		4133	4703
6.976		2227	3124

LANCASTER LABORATORIES

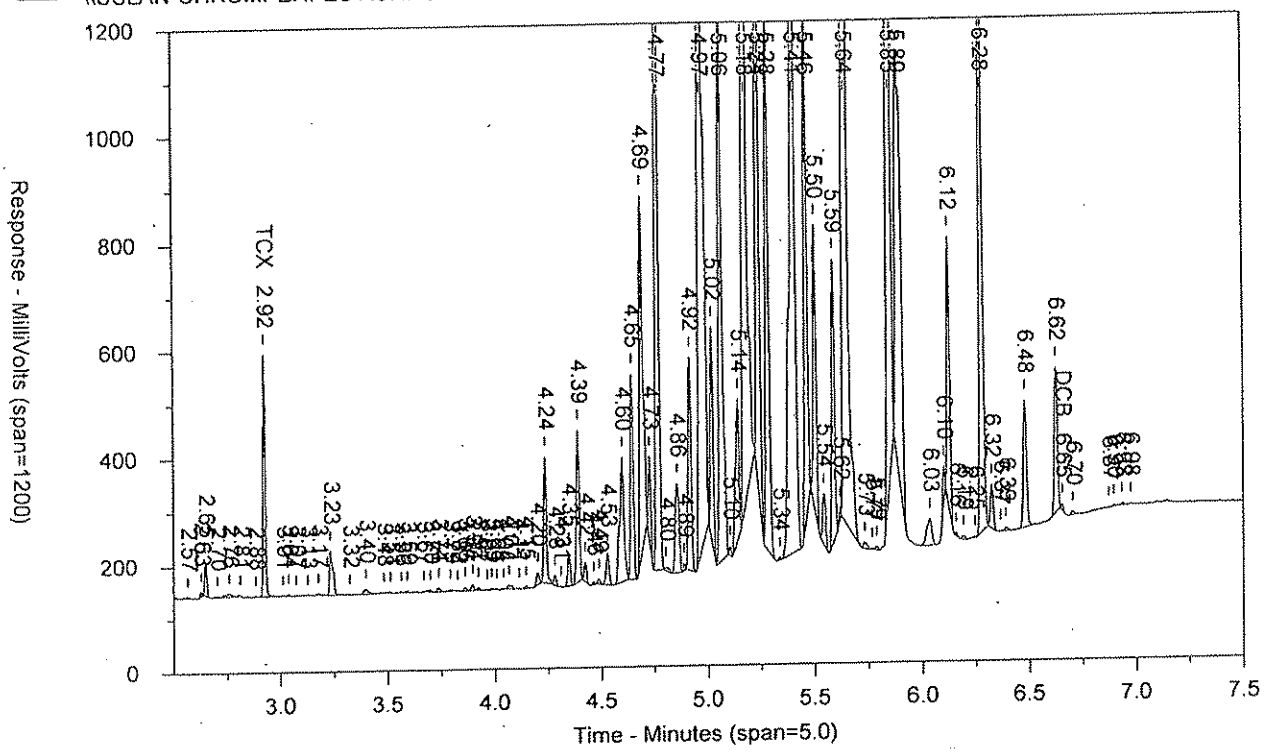
Sample Number: 8570346ACF DF10 ACA5105 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 3:27:16 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207031B.0041.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.101		20874	23137
2.145		10105	8719
2.218		9484	10978
2.267		2711	2586
2.297		5172	5755
2.35		96574	69121
2.453		3744	5382
2.478		4045	3721
2.515		2574	3221
2.575		5218	3650
2.599	TCX	765454	451747
2.66		3077	2829
2.701		4995	8626
2.754		2185	2742
2.77		5964	3063
2.797		1931	1572
2.829		3644	3274
2.905		150432	128778
2.934		2875	2680
2.993		2924	6386
3.053		2504	2228
3.09		7739	11506
3.17		865	566
3.187		4733	3230
3.227		7948	8351
3.249		9729	8263
3.311		3625	4959
3.339		3009	1793
3.369		6443	6325
3.411		4361	6985
3.434		2244	1391
3.477		10456	12293
3.513		15490	8463
3.536		21646	15398
3.571		4797	8893
3.609		2956	1408
3.639		13066	11239
3.661		6345	3574
3.682		4211	2482
3.711		12807	8018
3.728		6446	11265
3.813		13130	15519
3.858		510445	338779
3.883		15376	8330
3.903		17023	8715
3.922		151305	98394
3.957		628499	412025
3.988		79543	44740
4.005		42936	23020
4.066		16223	20387
4.099		83941	73508
4.128		19428	18791
4.155		164032	107407
4.197		359548	216865

RT B	Compound B	Height B	Area B
4.216		300418	149833
4.229		1163232	656903
4.254		657008	644710
4.306		4284505	3067778
4.354		79439	71132
4.374		171401	101512
4.399		1105953	781234
4.441		6322031	4516256
4.496		13144	9023
4.542		4485840	3985094
4.594		534565	435513
4.632		1383324	1147338
4.668		6980891	5492205
4.701		3489587	2381501
4.738		2382228	1825393
4.796		12066	6762
4.809		4743	2169
4.836		736142	735239
4.887		4540482	3410546
4.91		528870	333360
4.96		2365301	2080935
4.996		1281984	946792
5.025		931670	731867
5.057		124156	73218
5.079		13120440	10363580
5.12		235041	166450
5.151		312301	248450
5.197		10872	8369
5.216		14401	9729
5.27		95165	57963
5.293		1997533	1590657
5.337		7893354	7960406
5.397		7048	6271
5.447		3507	4275
5.492		114231	94053
5.537		227378	178142
5.56		55527	34353
5.584		10465	5797
5.61		1312157	1035538
5.653		10604	9540
5.691		4981	3103
5.717		3089384	2524651
5.747		160391	120159
5.797		3114	3083
5.829		6021	4755
5.916		563646	466504
5.962		3316	3328
6.003		2563	2488
6.031		1969	1196
6.075	DCB	667553	570694
6.11		3619	2710
6.181		1076	596
6.209		1678	1730
6.248		10047	7520
6.274		56745	46625
6.339		8272	9431
6.444		2268	7094
6.492		8688	10864
6.55		9194	9334
6.653		2971	1398
6.692		3812	4805
6.764		3506	5481
6.848		2724	7032
6.913		3330	2815
6.968		29842	31067

8570346ACF DF10 ACA5105 T 162530010A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207031.0041.RAW



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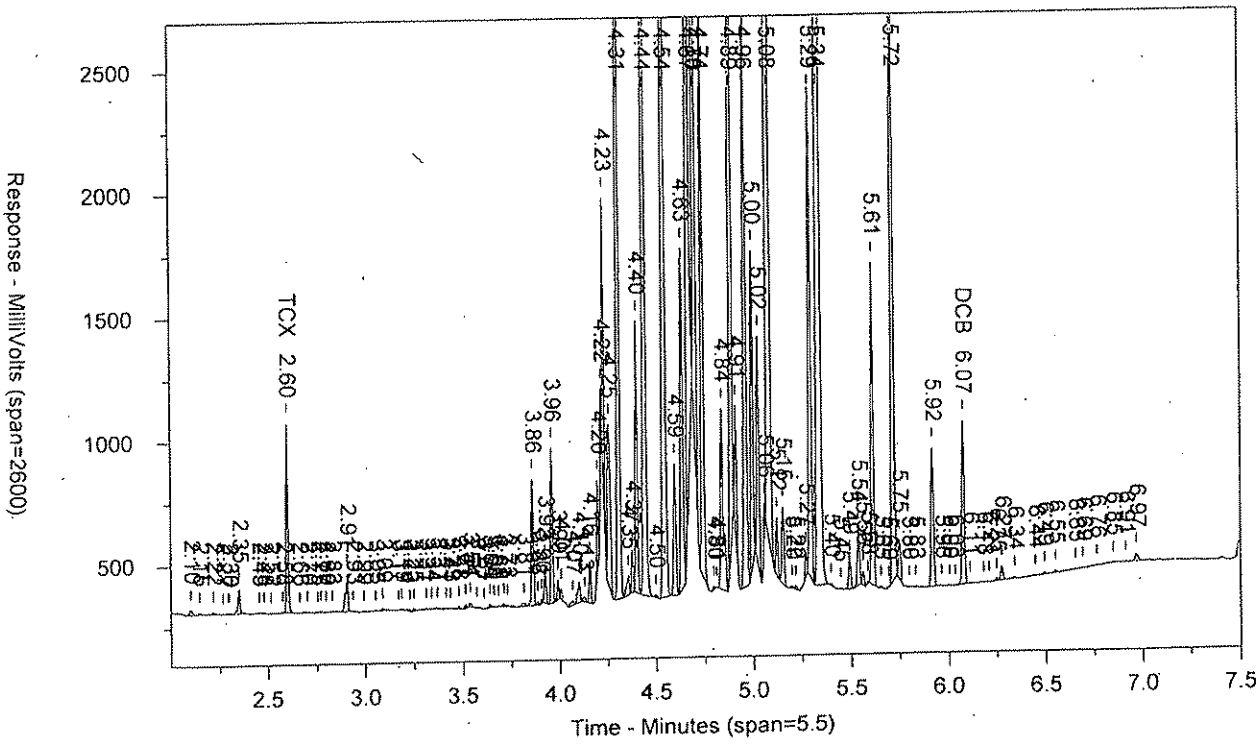

LANCASTER LABORATORIES

Sample Number: 8570346ACF DF10 ACA5105 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 3:27:16 AM
Sample Weight: 10.11
Dilution Factor: 100
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
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	452816	33.105	TCX	2.599	765454	30.826	TCX
6.653	11645	1.723	DCB	6.075	667553	34.709	DCB

Files:
Area File: 25pcbs16207031.0041.RAW
Area File: 25pcbs16207031B.0041.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 3:35:47 AM
File Reported On: 9/12/2016 at 3:35:57 AM

8570346ACF DF10 ACA5105 T 162530010A 10225 SW-846 8082

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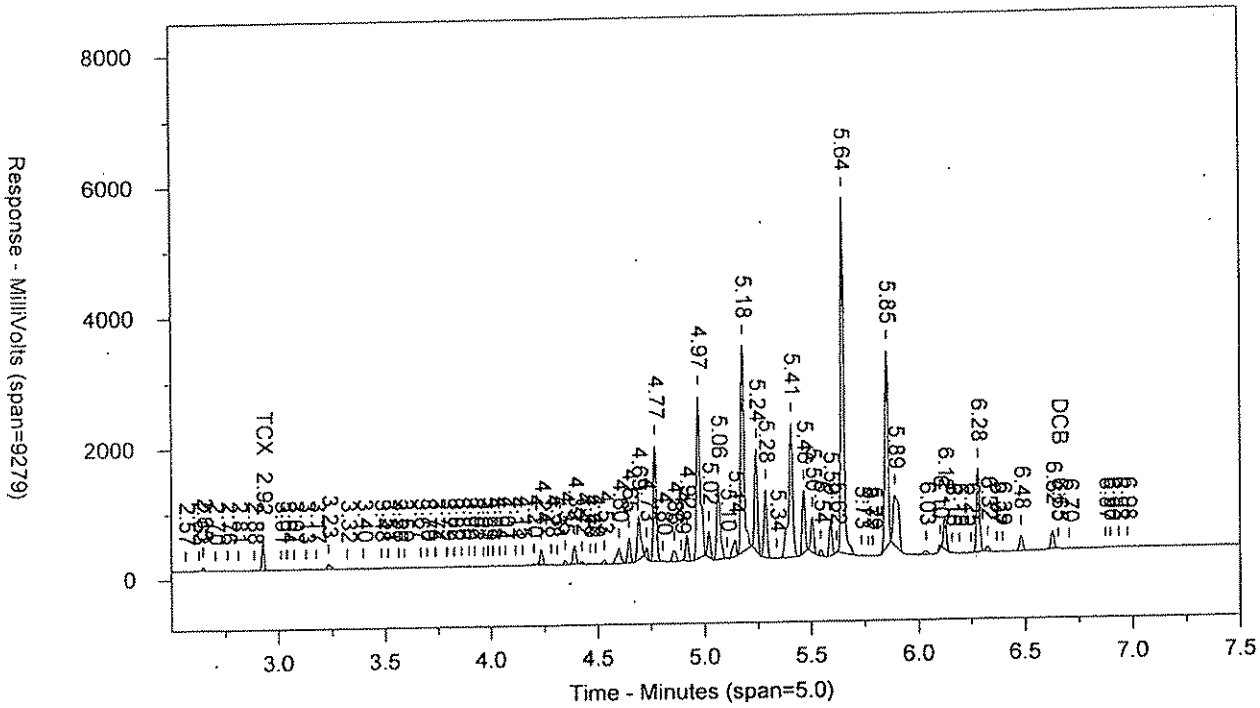

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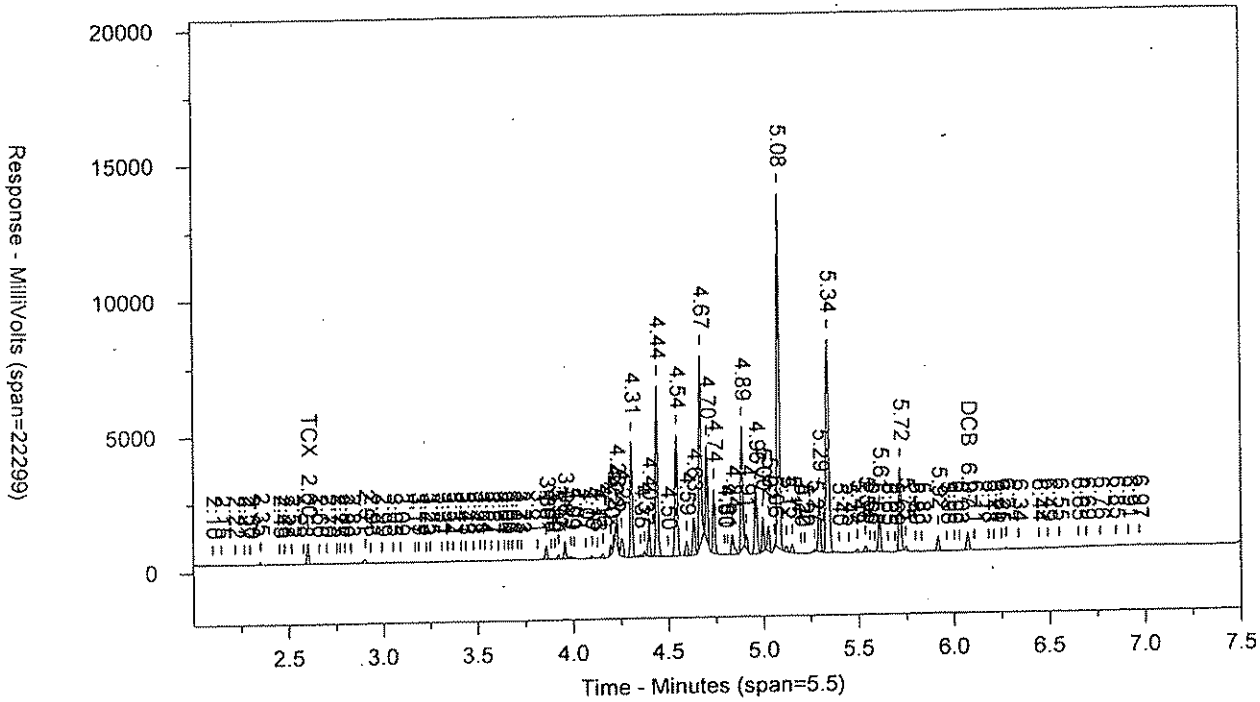

Printed on 9/12/2016 3:35:59 AM

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Data Summary

Sample Name: 8570347 ACF DF100 A5106 Sample ID: AD **Batchnumber: 162530010A**
Sample Amount: 10.06 g Total Volume: 1000 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 03:49:49
Instrument	18274A
Result file	25PCBS16207031.0043.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 137% (46 - 148) Conc: 39.82315
%SSR(DCB) * 25% (49 - 139) Conc: 7.233684

Analysis Report (B)

Injected on	Sep 12, 2016 03:49:49
Instrument	18274B
Result file	25PCBS16207031B.0043.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 111% (46 - 148) Conc: 32.34236
%SSR(DCB) * 147% (49 - 139) Conc: 42.90551

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.92	2.96	54202	39.82315
Decachlorobiphenyl	6.60	6.65	6.66	4864	7.233684

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	79913	32.34236
Decachlorobiphenyl	6.05	6.07	6.11	82112	42.90551

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	39.82315				20.73	
☑ Decachlorobiphenyl	A	7.233684			P	142.29	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.07**	
4.76	4.77	4.80	1594624	39816.283472			1
4.96	4.97	5.00	2254765	52030.581608			2
5.23	5.24	5.27	1417544	53738.172183			3
5.40	5.40	5.44	1877499	56884.806522			4
5.64	5.64	5.68	4966900	72097.508897			5
5.84	5.85	5.88	2760735	70274.107253			6

Height summation: **14872067**
Concentration CF: **57473.576656** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**23.59**	
4.29	4.30	4.33	3912239	40056.377002			1
4.43	4.44	4.47	5876618	53156.453366			2
4.53	4.54	4.57	3857122	41833.833723			3
4.88	4.89	4.92	4302572	58550.736113			4
5.07	5.08	5.11	11906390	73097.559366			5
5.33	5.34	5.37	7171482	65709.484499			6

Height summation: **37026423**
Concentration CF: **55400.740678** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<5069.5823	<984.0954			4	
☑ PCB-1221			<5069.5823	<1520.8747			3	
☑ PCB-1232			<5069.5823	<1222.664			4	
☑ PCB-1242			<5069.5823	<1222.664			4	
☑ PCB-1248			<5069.5823	<984.0954			4	
☑ PCB-1254			<5069.5823	<1312.1272			4	
☑ PCB-1260	A	57473.576656	5069.5823	1163.0218		3.67	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570347** ACF DF100 A5106 Sample ID: AD **Batchnumber: 162530010A**
Sample Amount: 10.06 g Total Volume: 1000 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 03:49:49
Instrument : P 25--18274A
Result file : 25PCBS16207031.0043.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 137% (46-148) Conc.: 39.82315
%SSR(DCB) : *25% (49-139) Conc.: 7.233684

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	34.41	
3.17	3.17	3.21	3108.84	134.975623			1
3.39	3.40	3.43	4405.404	194.574713			2
3.51	3.51	3.55	2248.241	81.723778			3
3.73	3.74	3.77	6778.166	217.339034			4
3.79	3.79	3.83	2879.396	108.417221			5
+ 3.79	3.82	3.83	1798.183	67.706562			5
3.98	3.98	4.02	3290.415	160.606895			6
+ 3.98	4.01	4.02	1492.479	72.848689			6
Height Summation:			22710.462				
Amount Avg CF:			149.606211	Linear:			
Aroclor-1221					1		
3.07	3.09	3.11	607.7842	51.463139			1
Height Summation:			607.7842				
Amount Avg CF:			51.463139	Linear:			
Aroclor-1232					5	55.57	
3.39	3.40	3.43	4405.404	350.193062			2
3.51	3.51	3.55	2248.241	146.612217			3
3.73	3.74	3.77	6778.166	397.14476			4
3.79	3.82	3.83	1798.183	125.252403			5
3.99	4.01	4.02	1492.479	146.793667			6
Height Summation:			16722.473				
Amount Avg CF:			233.199222	Linear:			
Aroclor-1242					5	46.99	
3.39	3.40	3.43	4405.404	277.822984			2
3.51	3.51	3.55	2248.241	114.038623			3
3.73	3.74	3.77	6778.166	308.520804			4
3.79	3.82	3.83	1798.183	94.824617			5
3.98	3.98	4.02	3290.415	226.68877			6
+ 3.98	4.01	4.02	1492.479	102.822358			6
Height Summation:			18520.409				
Amount Avg CF:			204.37916	Linear:			
Aroclor-1248					5	207.45	
3.79	3.79	3.83	2879.396	191.340009			1
+ 3.79	3.82	3.83	1798.183	119.491849			1
3.85	3.86	3.89	6727.278	264.598271			2
3.98	3.98	4.02	3290.415	113.434686			3
+ 3.98	4.01	4.02	1492.479	51.452138			3
4.25	4.28	4.29	14008.28	561.677882			5
4.64	4.64	4.68	334584.1	18379.742318			6
Height Summation:			361489.469				
Amount Avg CF:			3902.158633	Linear:			
Aroclor-1254					6	144.27	
4.23	4.23	4.27	174088.4	5685.851618			1
4.58	4.60	4.62	205404.6	6992.378053			2
4.64	4.64	4.68	334584.1	6065.828808			3
E 4.77	4.77	4.81	1594624	89098.211816			4
4.86	4.89	4.90	10518.75	299.841858			5
5.06	5.06	5.10	988454.7	34072.260036			6
Height Summation:			3307674.55				
Amount Avg CF:			23702.395365	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 03:49:49
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0043.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 111% (46-148) Conc.: 32.34236
%SSR(DCB) : *(47%) (49-139) Conc.: 42.90551

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	178.06	
2.87	2.91	2.91	78944.75	1948.859974			1
3.19	3.21	3.23	3381.924	67.449724			2
3.39	3.41	3.43	4581.749	85.478345			3
3.46	3.48	3.50	7441.147	135.078088			4
3.63	3.64	3.67	8978.711	191.785819			5
+ 3.63	3.66	3.67	4066.973	86.870793			5
3.72	3.73	3.76	3933.821	97.803511			6
+ 3.72	3.75	3.76	3572.259	88.814278			6
Height Summation:			107262.102				
Amount Avg CF:			421.07591	Linear:			
Aroclor-1221					2	90.53	
2.75	2.77	2.79	6747.239	298.484082			1
2.87	2.91	2.91	78944.75	1360.460987			3
Height Summation:			85691.989				
Amount Avg CF:			829.472534	Linear:			
Aroclor-1232					6	114.74	
2.87	2.91	2.91	78944.75	1389.158422			1
3.20	3.21	3.24	3381.924	124.617621			2
3.39	3.41	3.43	4581.749	158.388526			3
3.47	3.48	3.51	7441.147	262.183254			4
3.63	3.64	3.67	8978.711	404.264977			5
+ 3.63	3.66	3.67	4066.973	183.114787			5
3.72	3.73	3.76	3933.821	192.853669			6
+ 3.72	3.75	3.76	3572.259	175.128267			6
Height Summation:			107262.102				
Amount Avg CF:			421.911078	Linear:			
Aroclor-1242					6	176.73	
2.87	2.91	2.91	78944.75	2645.01549			1
3.20	3.21	3.24	3381.924	91.546533			2
3.39	3.41	3.43	4581.749	117.568526			3
3.47	3.48	3.51	7441.147	197.228696			4
3.63	3.64	3.67	8978.711	264.915438			5
+ 3.63	3.66	3.67	4066.973	119.99539			5
3.72	3.73	3.76	3933.821	133.21701			6
+ 3.72	3.75	3.76	3572.259	120.972881			6
Height Summation:			107262.102				
Amount Avg CF:			574.915282	Linear:			
Aroclor-1248					6	145.13	
+ 3.50	3.51	3.54	12767.15	236.932914			1
3.50	3.53	3.54	22968.4	426.247826			1
3.63	3.64	3.67	8978.711	137.8113			2
+ 3.63	3.66	3.67	4066.973	62.422639			2
3.72	3.73	3.76	3933.821	82.734319			3
+ 3.72	3.75	3.76	3572.259	75.130113			3
3.85	3.86	3.89	361140.3	3996.278463			4
+ 3.85	3.88	3.89	13457.63	148.918404			4
+ 4.21	4.21	4.25	258357.4	6339.832931			5
4.21	4.23	4.25	1081671	26543.127569			5
+ 4.37	4.37	4.40	180925.1	7406.960541			6
4.37	4.40	4.40	987441.9	40425.254373			6
Height Summation:			2466134.132				
Amount Avg CF:			11935.242308	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570347** ACF DF100 A5106 Sample ID: AD **Batchnumber: 162530010A**
Sample Amount: 10.06 g Total Volume: 1000 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 03:49:49
Instrument : P 25--18274A
Result file : 25PCBS16207031.0043.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	21.07	
4.76	4.77	4.80	1594624	39816.283472			1
4.96	4.97	5.00	2254765	52030.581608			2
5.23	5.24	5.27	1417544	53738.172183			3
5.40	5.40	5.44	1877499	56884.806522			4
5.64	5.64	5.68	4966900	72097.508897			5
5.84	5.85	5.88	2760735	70374.107253			6
Height Summation:			**14872067**				
Amount Avg CF:			**57473.576656**	Linear:			
Aroclor-1262					5	23.44	
E 5.23	5.24	5.27	1417544	30016.391088			1
E 5.40	5.40	5.44	1877499	45610.372677			2
E 5.64	5.64	5.68	4966900	52913.609911			3
E 5.84	5.85	5.88	2760735	51369.648903			4
E 6.28	6.28	6.32	1171108	35083.767502			6
Height Summation:			**12193786**				
Amount Avg CF:			**42998.758016**	Linear:			
Aroclor-1268					3	86.26	
E 5.84	5.85	5.88	2760735	25277.580588			1
6.03	6.03	6.07	45572.82	515.07105			3
+ 6.10	6.10	6.14	63834.67	2602.763652			4
6.10	6.12	6.14	464821.4	18952.400705			4
Height Summation:			**3271129.22**				
Amount Avg CF:			**14915.017448**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 03:49:49
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0043.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	131.20	
4.15	4.15	4.19	135594.6	1841.129165			1
+ 4.21	4.21	4.25	258357.4	2017.564037			2
4.21	4.23	4.25	1081671	8446.982782			2
4.30	4.30	4.34	3912239	64842.882275			3
+ 4.37	4.37	4.41	180925.1	2222.630513			4
4.37	4.40	4.41	987441.9	12130.53632			4
E 4.43	4.44	4.47	5876618	120384.64495			5
4.58	4.59	4.62	495791.4	8718.668343			6
Height Summation:			**12489355.9**				
Amount Avg CF:			**36060.807306**	Linear:			
Aroclor-1260					6	23.59	
4.29	4.30	4.33	3912239	40056.377002			1
4.43	4.44	4.47	5876618	53156.453366			2
4.53	4.54	4.57	3857122	41833.833723			3
4.88	4.89	4.92	4302572	58550.736113			4
+ 4.88	4.91	4.92	485958	6613.067398			4
5.07	5.08	5.11	11906390	73097.559366			5
5.33	5.34	5.37	7171482	65709.484499			6
Height Summation:			**37026423**				
Amount Avg CF:			**55400.740678**	Linear:			
Aroclor-1262					6	32.40	
E 4.69	4.70	4.73	3350202	26783.665266			1
E 4.88	4.89	4.92	4302572	33710.795497			2
+ 4.88	4.91	4.92	485958	3807.49718			2
E 5.07	5.08	5.11	11906390	50830.408514			3
5.28	5.29	5.32	1905631	19733.493564			4
E 5.33	5.34	5.37	7171482	44868.00717			5
E 5.71	5.72	5.75	3026744	35245.730295			6
Height Summation:			**31663021**				
Amount Avg CF:			**35195.350051**	Linear:			
Aroclor-1268					6	127.25	
5.29	5.29	5.33	1905631	6633.156786			1
E 5.33	5.34	5.37	7171482	25787.916379			2
5.49	5.49	5.53	98531.2	404.322548			3
5.55	5.56	5.59	46764.75	799.124563			4
+ 5.55	5.58	5.59	10326.36	176.45872			4
E 5.71	5.72	5.75	3026744	30704.383644			5
+ 5.71	5.75	5.75	153091.3	1553.013406			5
5.91	5.91	5.95	523126.2	645.349891			6
Height Summation:			**12772279.15**				
Amount Avg CF:			**10829.042302**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5069.5823	984.0954		** 95.14	4	40	
Aroclor-1221			5069.5823	1520.8747		** 176.63	3	5	
Aroclor-1232			5069.5823	1222.664		** 57.61	4	10	
Aroclor-1242			5069.5823	1222.664		** 95.10	4	30	
Aroclor-1248			5069.5823	984.0954		** 101.44	4	40	
Aroclor-1254			5069.5823	1312.1272	E	** 41.36	4	40	
Aroclor-1260			5069.5823	1163.0218		3.67	4	40	
Aroclor-1262			5069.5823	984.0954	E	19.96	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570347** ACF DF100 A5106 Sample ID: AD **Batchnumber: 162530010A**
Sample Amount: 10.06 g Total Volume: 1000 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 03:49:49
Instrument : P 25--18274A
Result file : 25PCBS16207031.0043.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 12, 2016 03:49:49
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0043.RAW
Calibration file : 25PCBS1620701B.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			5069.5823	984.0954	E	31.74	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570347ACF DF100 ADA5106 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 3:49:49 AM 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: 25pcbs16207031.0043.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.037		10646	14135
2.088		12405	17422
2.197		63806	47278
2.283		1806	1075
2.308		7321	5348
2.375		6673	7394
2.408		1884	991
2.423		4864	3462
2.489		5196	6547
2.567		1974	3663
2.626		7334	4290
2.648		40789	27172
2.703		1619	1934
2.762		3620	6335
2.811		3408	3880
2.883		1149	1014
2.925	TCX	54202	39258
3.038		4904	3390
3.089		608	914
3.172		3109	4674
3.232		19693	11472
3.245		26966	12994
3.399		4405	7250
3.491		1174	1960
3.513		2248	1807
3.562		1868	2494
3.59		2654	1751
3.629		789	630
3.67		1541	1138
3.696		2308	2568
3.735		6778	6284
3.79		2879	2478
3.822		1798	1437
3.86		6727	5384
3.894		11088	8940
3.922		2905	2673
3.963		1632	1116
3.985		3290	2168
4.008		1492	1275
4.039		2101	1377
4.065		7004	8933
4.111		1498	1473
4.145		4862	4054
4.2		21826	18998
4.234		174088	149077
4.279		14008	10358
4.306		1519	1056
4.346		54033	44480
4.39		243346	222759
4.424		34084	26592
4.463		3667	2424
4.486		9305	7201
4.528		52018	52100
4.597		205405	277691

RT A	Compound A	Height A	Area A
4.644		334584	305731
4.689		606242	698994
4.727		146562	108530
4.767		1594624	1479757
4.856		165109	196397
4.887		10519	6690
4.915		354458	346069
4.967		2254765	2686271
5.016		364502	327468
5.061		988455	1171290
5.103		17353	10550
5.141		236114	278456
5.177		2955177	3058929
5.239		1417544	1291925
5.282		990201	944187
5.404		1877499	2479187
5.462		873930	810873
5.502		460794	430924
5.543		90629	86641
5.587		479308	455827
5.616		18996	9496
5.645		4966900	5103408
5.733		9368	9386
5.765		4681	2762
5.785		3508	2413
5.812		2270	1195
5.851		2760735	2802198
5.889		702255	1346791
6.034		45573	70762
6.098		63835	46789
6.123		464821	428699
6.188		2917	2393
6.246		2041	1191
6.279		1171108	1175650
6.324		72888	68267
6.39		4063	3963
6.479		220840	229178
6.624		34125	31537
6.651	DCB	4864	4369
6.704		4972	5934
6.897		1786	12892
6.944		1430	2182

LANCASTER LABORATORIES

Sample Number: 8570347ACF DF100 ADA5106 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 3:49:49 AM
Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207031B.0043.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.101		11098	11777
2.145		3450	2628
2.219		7835	10816
2.298		5031	5307
2.349		72936	58677
2.452		2132	2088
2.552		950	662
2.578		3133	2236
2.599	TCX	79913	46108
2.699		3692	6000
2.752		1119	1624
2.77		6747	3477
2.795		1216	774
2.905		78945	84932
2.997		992	1393
3.018		1302	768
3.053		1569	1691
3.089		4169	6307
3.161		1063	998
3.187		3155	2176
3.214		3382	5293
3.249		7222	6285
3.292		1343	840
3.313		1989	1054
3.339		2435	1506
3.368		4645	4970
3.409		4582	5613
3.477		7441	6374
3.511		12767	6865
3.535		22968	16175
3.569		4187	5025
3.638		8979	6552
3.659		4067	2164
3.68		3568	2083
3.709		11679	6741
3.726		3934	2221
3.752		3572	4279
3.813		11027	12843
3.856		361140	245563
3.882		13458	6866
3.902		10575	5354
3.92		141650	90189
3.955		527802	345743
3.987		69760	40827
4.004		30910	15482
4.064		14806	17328
4.097		70689	66342
4.126		16600	15416
4.153		135595	88882
4.196		300257	184153
4.214		258357	128387
4.227		1081671	615528
4.252		593752	579126
4.304		3912239	2774028

RT B	Compound B	Height B	Area B
4.351		65668	59455
4.373		180925	111577
4.397		987442	707504
4.439		5876619	4161514
4.492		5435	4473
4.54		3857122	3658911
4.593		495791	399826
4.631		1275139	1063401
4.666		6328663	5080787
4.699		3350202	2229295
4.737		2144520	1696551
4.794		10671	6055
4.808		6580	3330
4.835		693677	687472
4.885		4302573	3194137
4.908		485958	300635
4.959		2178668	1929503
4.993		1139419	873089
5.023		869937	675273
5.055		142005	78589
5.078		11906390	9617129
5.119		188169	141227
5.15		276445	227682
5.194		9740	7017
5.215		14309	8434
5.269		87902	53909
5.292		1905631	1518622
5.336		7171482	7576431
5.442		4347	5202
5.491		98531	81277
5.536		209761	158427
5.56		46765	29023
5.582		10326	5186
5.608		1198277	967587
5.65		8252	7766
5.69		2137	1381
5.715		3026744	2347396
5.747		153091	109039
5.826		4759	3850
5.914		523126	433330
5.959		3075	2966
5.998		2026	1688
6.033		1094	926
6.073	DCB	82112	70861
6.109		3728	3775
6.182		1099	1695
6.202		1931	2003
6.246		9170	6500
6.271		15517	13448
6.335		3463	4976
6.444		1225	1872
6.492		2066	2063
6.518		1361	884
6.551		3099	2271
6.693		2286	3154
6.772		1544	3038
6.848		2188	6144
6.878		1750	1627
6.91		1570	1317
6.966		6490	5925

8570347ACF DF100 ADA5106 T 162530010A 10225 SW-846 8082

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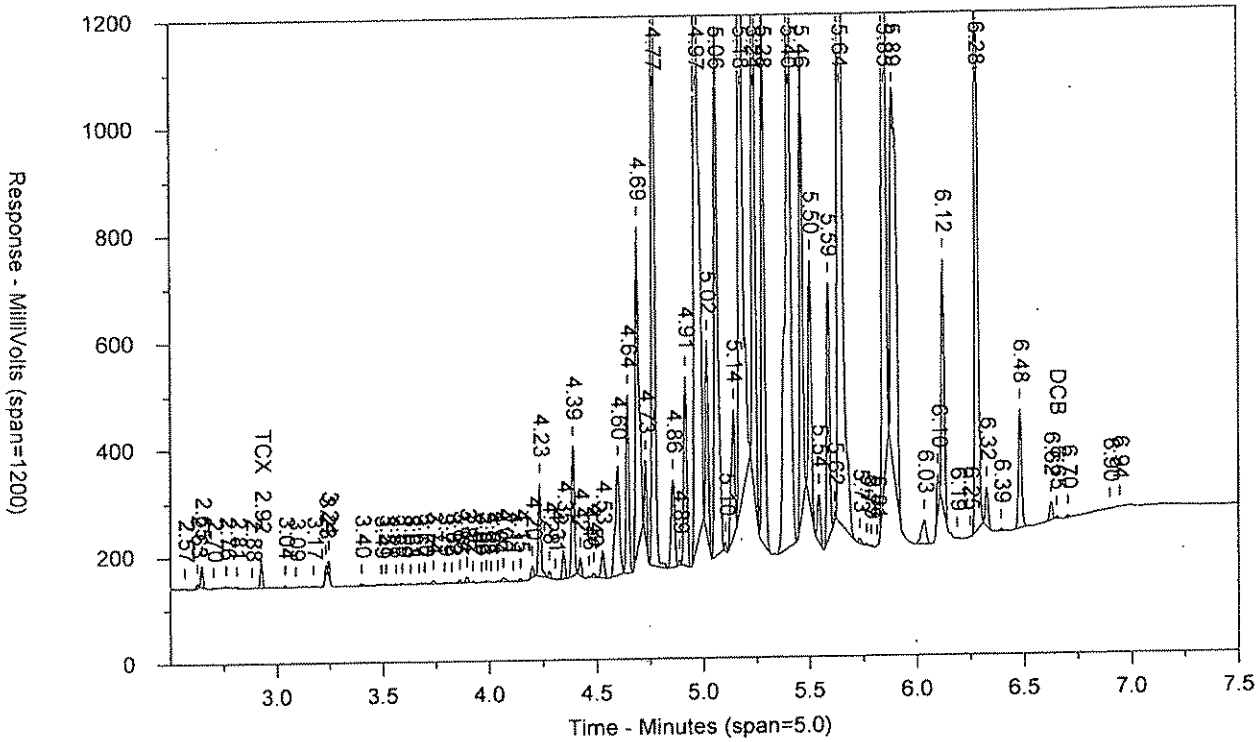

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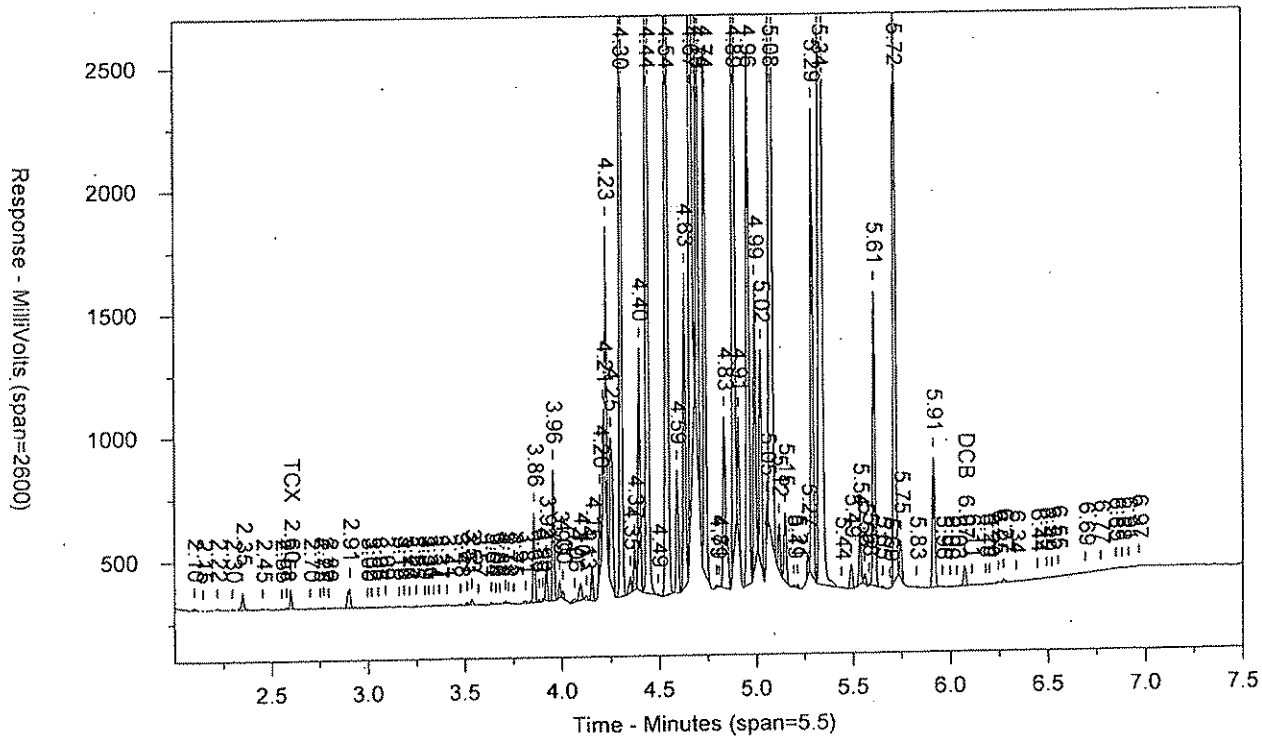

LANCASTER LABORATORIES

Sample Number: 8570347ACF DF100 ADA5106 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 3:49:49 AM
Sample Weight: 10.06
Dilution Factor: 1000
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: 4
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	54202	39.823	TCX	2.599	79913	32.342	TCX
6.651	4864	7.234	DCB	6.073	82112	42.906	DCB

Files:
Area File: 25pcbs16207031.0043.RAW
Area File: 25pcbs16207031B.0043.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 3:58:19 AM
File Reported On: 9/12/2016 at 3:58:27 AM

8570347ACF DF100 ADA5106 T 162530010A 10225 SW-846 8082

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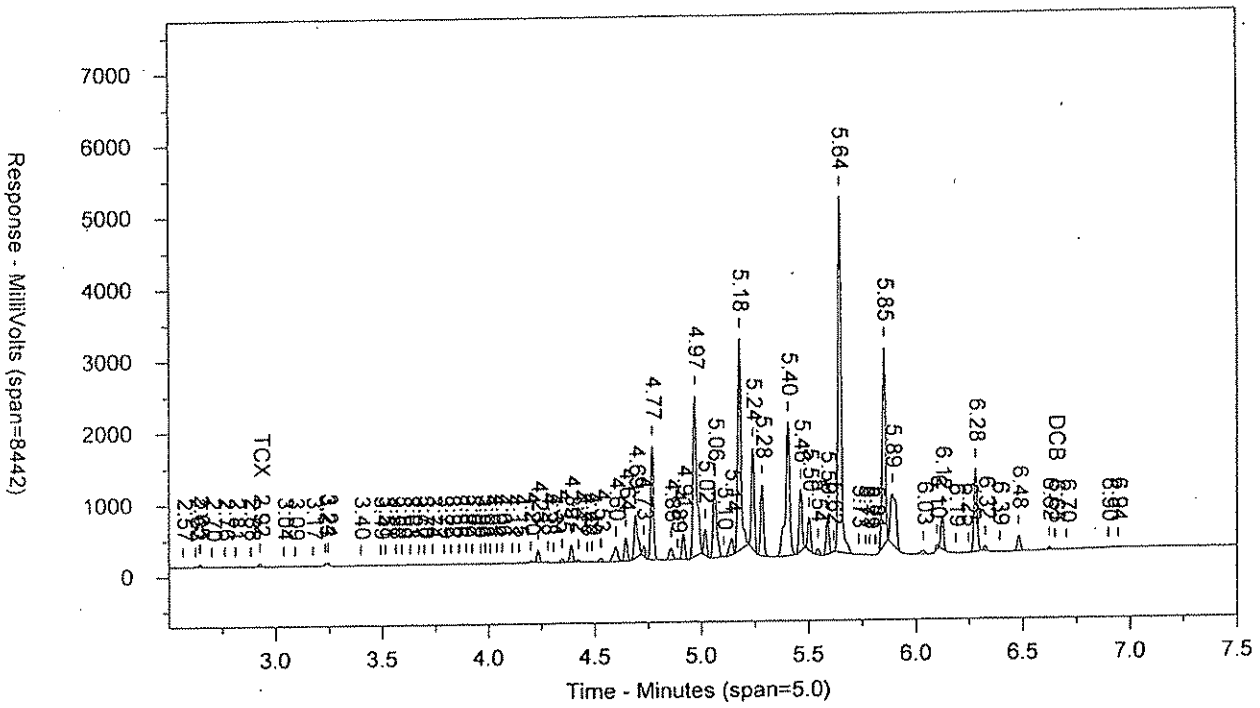

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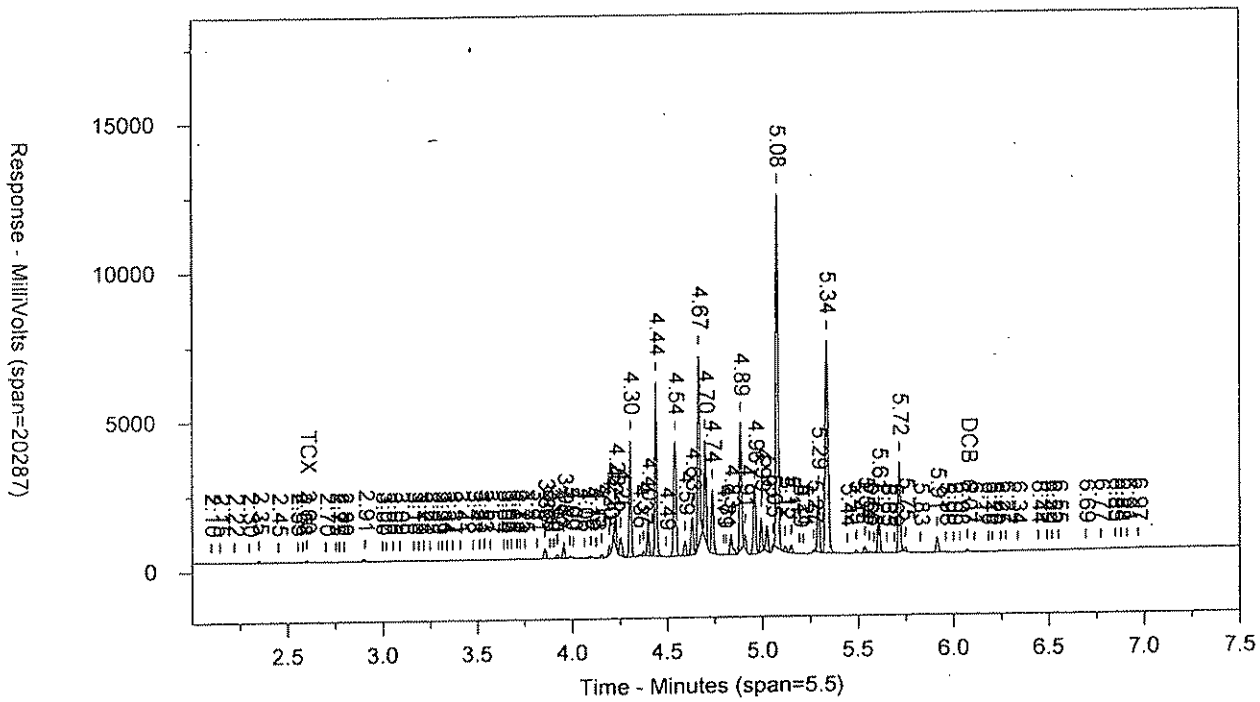

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Data Summary

Sample Name: 8570348 ACF DF5 A5107 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.39 g Total Volume: 50 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 04:00:57
Instrument	18274A
Result file	25PCBS16207031.0044.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 111% (46 - 148) Conc: 31.20675
%SSR(DCB) 134% (49 - 139) Conc: 37.79141

Analysis Report (B)

Injected on	Sep 12, 2016 04:00:57
Instrument	18274B
Result file	25PCBS16207031B.0044.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 107% (46 - 148) Conc: 30.11335
%SSR(DCB) 117% (49 - 139) Conc: 32.84566

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.92	2.96	877355	31.20675
Decachlorobiphenyl	6.60	6.62	6.66	524921	37.79141

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	1536932	30.11335
Decachlorobiphenyl	6.05	6.07	6.11	1298435	32.84566

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	31.20675				3.57	
☑ Decachlorobiphenyl	A	37.79141				14.00	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**20.37**	
4.76	4.77	4.80	1684830	2036.624425			1
4.96	4.97	5.00	2445978	2732.5139			2
5.23	5.24	5.27	1533806	2814.940453			3
5.40	5.40	5.44	1974653	2896.408396			4
5.64	5.64	5.68	5150818	3619.624217			5
5.84	5.85	5.88	2945097	3629.298229			6

Height summation: **15735182**
Concentration CF: **2954.901603** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**23.90**	
4.29	4.30	4.33	4051064	2008.019055			1
4.43	4.44	4.47	6015030	2634.018197			2
4.53	4.54	4.57	4224446	2218.127421			3
4.88	4.88	4.92	4424744	2915.041885			4
5.07	5.08	5.11	12719730	3780.533605			5
5.33	5.33	5.37	7547934	3348.109698			6

Height summation: **38982948**
Concentration CF: **2817.30831** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<245.4283	<47.642			4	
☑ PCB-1221			<245.4283	<73.6285			3	
☑ PCB-1232			<245.4283	<59.1915			4	
☑ PCB-1242			<245.4283	<59.1915			4	
☑ PCB-1248			<245.4283	<47.642			4	
☑ PCB-1254			<245.4283	<63.5226			4	
☑ PCB-1260	A	2954.901603	245.4283	56.3041		4.77	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: SEP 20 2016

Verified by:
Date: SEP 22 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570348** ACF DF5 A5107 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.39 g Total Volume: 50 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:00:57
Instrument : P 25--18274A
Result file : 25PCBS16207031.0044.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 111% (46-148) Conc.: 31.20675
%SSR(DCB) : 134% (49-139) Conc.: 37.79141

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	26.94	
3.17	3.17	3.21	4005.226	8.418533			1
3.39	3.40	3.43	3453.515	7.384387			2
3.51	3.51	3.55	2718.976	4.784796			3
3.73	3.73	3.77	7290.377	11.316912			4
3.79	3.79	3.83	4014.3	7.317439			5
+ 3.79	3.82	3.83	2036.251	3.711766			5
3.98	3.98	4.02	3281.274	7.75369			6
+ 3.98	4.01	4.02	2090.333	4.939482			6
Height Summation:			24763.668				
Amount Avg CF:			7.829293	Linear:			
Aroclor-1221					2	19.89	
3.07	3.07	3.11	1732.78	7.103015			1
3.13	3.13	3.17	1935.84	9.427789			2
Height Summation:			3668.62				
Amount Avg CF:			8.265402	Linear:			
Aroclor-1232					4	46.72	
3.39	3.40	3.43	3453.515	13.290324			2
3.73	3.73	3.77	7290.377	20.679454			4
3.79	3.82	3.83	2036.251	6.866508			5
3.99	4.01	4.02	2090.333	9.953298			6
Height Summation:			14870.476				
Amount Avg CF:			12.697396	Linear:			
Aroclor-1242					4	49.44	
3.39	3.40	3.43	3453.515	10.543777			2
3.73	3.73	3.77	7290.377	16.064776			4
3.79	3.82	3.83	2036.251	5.198415			5
3.98	4.01	4.02	2090.333	6.971837			6
Height Summation:			14870.476				
Amount Avg CF:			9.694701	Linear:			
Aroclor-1248					5	206.75	
3.79	3.79	3.83	4014.3	12.914175			1
+ 3.79	3.82	3.83	2036.251	6.550706			1
3.85	3.86	3.89	7424.552	14.137425			2
3.98	3.98	4.02	3281.274	5.476337			3
+ 3.98	4.01	4.02	2090.333	3.488696			3
4.25	4.28	4.29	15582.65	30.247972			5
4.64	4.64	4.68	366703.8	975.218581			6
Height Summation:			397006.576				
Amount Avg CF:			207.598898	Linear:			
Aroclor-1254					6	142.53	
4.23	4.23	4.27	180533.3	285.453549			1
4.58	4.60	4.62	214100.6	352.845886			2
4.64	4.64	4.68	366703.8	321.849396			3
E 4.77	4.77	4.81	1684830	4557.421703			4
4.86	4.89	4.90	11240.55	15.512012			5
5.06	5.06	5.10	1116360	1862.948612			6
Height Summation:			3573768.25				
Amount Avg CF:			1232.671859	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 04:00:57
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0044.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 107% (46-148) Conc.: 30.11335
%SSR(DCB) : 117% (49-139) Conc.: 32.84566

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	150.90	
+ 2.87	2.89	2.91	25194.57	30.110417			1
2.87	2.91	2.91	61113.17	73.037287			1
3.19	3.21	3.23	3106.525	2.999464			2
3.39	3.41	3.43	4367.121	3.944323			3
3.46	3.48	3.50	10005.13	8.792658			4
3.63	3.64	3.67	12240.96	12.658155			5
+ 3.63	3.66	3.67	6270.315	6.484019			5
3.72	3.72	3.76	5516.889	6.640282			6
+ 3.72	3.75	3.76	4457.458	5.365121			6
Height Summation:			96349.795				
Amount Avg CF:			18.012028	Linear:			
Aroclor-1221					3	71.09	
2.75	2.77	2.79	11277.95	24.153367			1
2.81	2.83	2.85	3258.9	10.952794			2
+ 2.87	2.89	2.91	25194.57	21.019493			3
2.87	2.91	2.91	61113.17	50.9859			3
Height Summation:			75650.02				
Amount Avg CF:			28.697354	Linear:			
Aroclor-1232					6	85.31	
+ 2.87	2.89	2.91	25194.57	21.462876			1
2.87	2.91	2.91	61113.17	52.061391			1
3.20	3.21	3.24	3106.525	5.541699			2
3.39	3.41	3.43	4367.121	7.308699			3
3.47	3.48	3.51	10005.13	17.066334			4
3.63	3.64	3.67	12240.96	26.682102			5
+ 3.63	3.66	3.67	6270.315	13.667652			5
3.72	3.72	3.76	5516.889	13.093628			6
+ 3.72	3.75	3.76	4457.458	10.579204			6
Height Summation:			96349.795				
Amount Avg CF:			20.292309	Linear:			
Aroclor-1242					6	149.23	
+ 2.87	2.89	2.91	25194.57	40.866209			1
2.87	2.91	2.91	61113.17	99.127058			1
3.20	3.21	3.24	3106.525	4.07104			2
3.39	3.41	3.43	4367.121	5.425096			3
3.47	3.48	3.51	10005.13	12.838237			4
3.63	3.64	3.67	12240.96	17.484821			5
+ 3.63	3.66	3.67	6270.315	8.956433			5
3.72	3.72	3.76	5516.889	9.04465			6
+ 3.72	3.75	3.76	4457.458	7.307769			6
Height Summation:			96349.795				
Amount Avg CF:			24.66515	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570348** ACF DF5 A5107 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.39 g Total Volume: 50 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:00:57
Instrument : P 25--18274A
Result file : 25PCBS16207031.0044.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	20.37	
4.76	4.77	4.80	1684830	2036.624425			1
4.96	4.97	5.00	2445978	2732.5139			2
5.23	5.24	5.27	1533806	2814.940453			3
5.40	5.40	5.44	1974653	2896.408396			4
5.64	5.64	5.68	5150818	3019.624217			5
5.84	5.85	5.88	2945097	3029.298229			6
Height Summation:			**15735182**				
Amount Avg CF:			**2954.901603**	Linear:			
Aroclor-1262					5	22.22	
E 5.23	5.24	5.27	1533806	1572.333968			1
E 5.40	5.40	5.44	1974653	2322.347116			2
E 5.64	5.64	5.68	5150818	2656.504875			3
E 5.84	5.85	5.88	2945097	2652.97964			4
E 6.28	6.28	6.32	1259895	1827.241989			6
Height Summation:			**12864269**				
Amount Avg CF:			**2206.281518**	Linear:			
Aroclor-1268					3	85.86	
E 5.84	5.85	5.88	2945097	1305.457757			1
6.03	6.03	6.07	53448.34	29.244749			3
E 6.10	6.12	6.14	499159.3	985.302807			4
Height Summation:			**3497704.64**				
Amount Avg CF:			**773.335104**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 04:00:57
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0044.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	144.33	
+ 3.50	3.51	3.54	14426.96	12.961603			1
3.50	3.53	3.54	22438.65	20.159539			1
3.63	3.64	3.67	12240.96	9.095755			2
+ 3.63	3.66	3.67	6270.315	4.659214			2
3.72	3.72	3.76	5516.889	5.617173			3
+ 3.72	3.75	3.76	4457.458	4.538484			3
3.85	3.86	3.89	388899.4	208.338484			4
+ 3.85	3.88	3.89	15814.46	8.472013			4
+ 4.21	4.21	4.25	291606.4	346.422744			5
4.21	4.23	4.25	1164038	1382.854552			5
+ 4.37	4.37	4.40	220180	436.386709			6
4.37	4.40	4.40	1036472	2054.240189			6
Height Summation:			**2629605.899**				
Amount Avg CF:			**613.384282**	Linear:			
Aroclor-1254					6	130.14	
4.15	4.15	4.19	145928	95.925248			1
+ 4.21	4.21	4.25	291606.4	110.244241			2
4.21	4.23	4.25	1164038	440.074312			2
4.30	4.30	4.34	4051064	3250.562155			3
+ 4.37	4.37	4.41	220180	130.947966			4
4.37	4.40	4.41	1036472	616.422472			4
E 4.43	4.44	4.47	6015030	5965.321714			5
4.58	4.59	4.62	513499.2	437.162979			6
Height Summation:			**12926031.2**				
Amount Avg CF:			**1800.91148**	Linear:			
Aroclor-1260					6	23.90	
4.29	4.30	4.33	4051064	2008.019055			1
4.43	4.44	4.47	6015030	2634.018197			2
4.53	4.54	4.57	4224446	2218.127421			3
4.88	4.88	4.92	4424744	2915.041885			4
+ 4.88	4.91	4.92	518699.9	341.721902			4
5.07	5.08	5.11	12719730	3780.533605			5
5.33	5.33	5.37	7547934	3348.109698			6
Height Summation:			**38982948**				
Amount Avg CF:			**2817.30831**	Linear:			
Aroclor-1262					6	33.41	
E 4.69	4.70	4.73	3469395	1342.781041			1
E 4.88	4.88	4.92	4424744	1678.34578			2
+ 4.88	4.91	4.92	518699.9	196.747606			2
E 5.07	5.08	5.11	12719730	2628.898546			3
E 5.28	5.29	5.32	1997382	1001.333483			4
E 5.33	5.33	5.37	7547934	2286.169357			5
E 5.71	5.71	5.75	3179218	1792.270554			6
+ 5.71	5.75	5.75	158464.9	89.33391			6
Height Summation:			**33338403**				
Amount Avg CF:			**1788.299794**	Linear:			
Aroclor-1268					6	126.76	
5.29	5.29	5.33	1997382	336.585206			1
E 5.33	5.33	5.37	7547934	1313.977329			2
5.49	5.49	5.53	115317.4	22.908754			3
5.55	5.56	5.59	55593.95	45.991316			4
+ 5.55	5.58	5.59	8775.502	7.259727			4
E 5.71	5.71	5.75	3179218	1561.339834			5
+ 5.71	5.75	5.75	158464.9	77.823402			5
5.91	5.91	5.95	556570.9	33.240053			6
Height Summation:			**13452016.25**				
Amount Avg CF:			**552.340415**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570348** ACF DF5 A5107 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.39 g Total Volume: 50 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:00:57
Instrument : P 25--18274A
Result file : 25PCBS16207031.0044.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 12, 2016 04:00:57
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0044.RAW
Calibration file : 25PCBS1620701B.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			245.4283	47.642		** 78.81	4	40	
Aroclor-1221			245.4283	73.6285		** 110.55	3	5	
Aroclor-1232			245.4283	59.1915		** 46.04	4	10	
Aroclor-1242			245.4283	59.1915		** 87.14	4	30	
Aroclor-1248			245.4283	47.642		** 98.85	4	40	
Aroclor-1254			245.4283	63.5226	E	37.46	4	40	
Aroclor-1260			245.4283	56.3041		4.77	4	40	
Aroclor-1262			245.4283	47.642	E	20.93	4	40	
Aroclor-1268			245.4283	47.642	E	33.34	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570348ACF DF5 ACA5107 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:00:57 AM 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: 25pcbs16207031.0044.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.005		4099	1996
2.037		9702	9335
2.088		11939	14202
2.13		23372	21976
2.196		60842	49114
2.283		2302	1589
2.308		19039	15801
2.383		14752	15798
2.407		2190	1058
2.424		4710	3377
2.489		4925	6383
2.567		3178	5313
2.627		5208	3054
2.648		40103	26566
2.701		1490	1705
2.733		3094	2389
2.772		5467	5573
2.809		4015	3422
2.847		767	817
2.925	TCX	877355	590852
3.011		1126	775
3.038		7393	4629
3.069		1733	1368
3.125		1936	1665
3.173		4005	5654
3.231		50186	63356
3.316		836	659
3.362		872	877
3.398		3454	2777
3.469		1604	822
3.511		2719	1974
3.56		2346	2945
3.589		3675	2391
3.667		8347	5967
3.734		7290	7396
3.789		4014	2990
3.821		2036	2054
3.859		7425	5752
3.894		12796	11067
3.923		3538	3481
3.961		1830	1416
3.983		3281	2114
4.007		2090	1758
4.038		2230	1616
4.063		8521	11862
4.111		1759	1650
4.144		6190	5906
4.199		21395	18904
4.234		180533	156469
4.278		15583	11743
4.305		1593	1145
4.345		59544	49625
4.388		275738	255803
4.423		35688	27449

RT A	Compound A	Height A	Area A
4.462		4430	3111
4.486		9643	7758
4.527		53617	54595
4.596		214101	292809
4.643		366704	338953
4.688		661009	733647
4.725		152250	113510
4.765		1684830	1540504
4.815		8728	9574
4.855		186119	216905
4.886		11241	6752
4.913		388255	366078
4.966		2445979	2897460
5.016		388029	353425
5.059		1116360	1249315
5.103		17692	9863
5.139		259591	306947
5.175		3141388	3333199
5.237		1533806	1374481
5.281		1035837	1009732
5.335		4828	4071
5.403		1974653	2631119
5.461		930953	856362
5.501		507841	456974
5.541		95860	90616
5.587		545079	514427
5.615		21520	11855
5.643		5150818	5432705
5.731		13044	14101
5.766		5232	2963
5.786		5758	3730
5.811		3168	1861
5.85		2945097	3043226
5.887		717691	1461687
6.033		53448	85655
6.098		73337	56033
6.121		499159	450225
6.156		6506	3847
6.186		3488	4120
6.221		1052	691
6.243		1898	1090
6.278		1259895	1268827
6.322		81712	78818
6.363		1743	1332
6.39		3032	3989
6.477		234263	256505
6.622	DCB	524921	573268
6.701		6688	6741
6.867		2067	8999
6.932		3384	7073
6.991		1085	2003

LANCASTER LABORATORIES

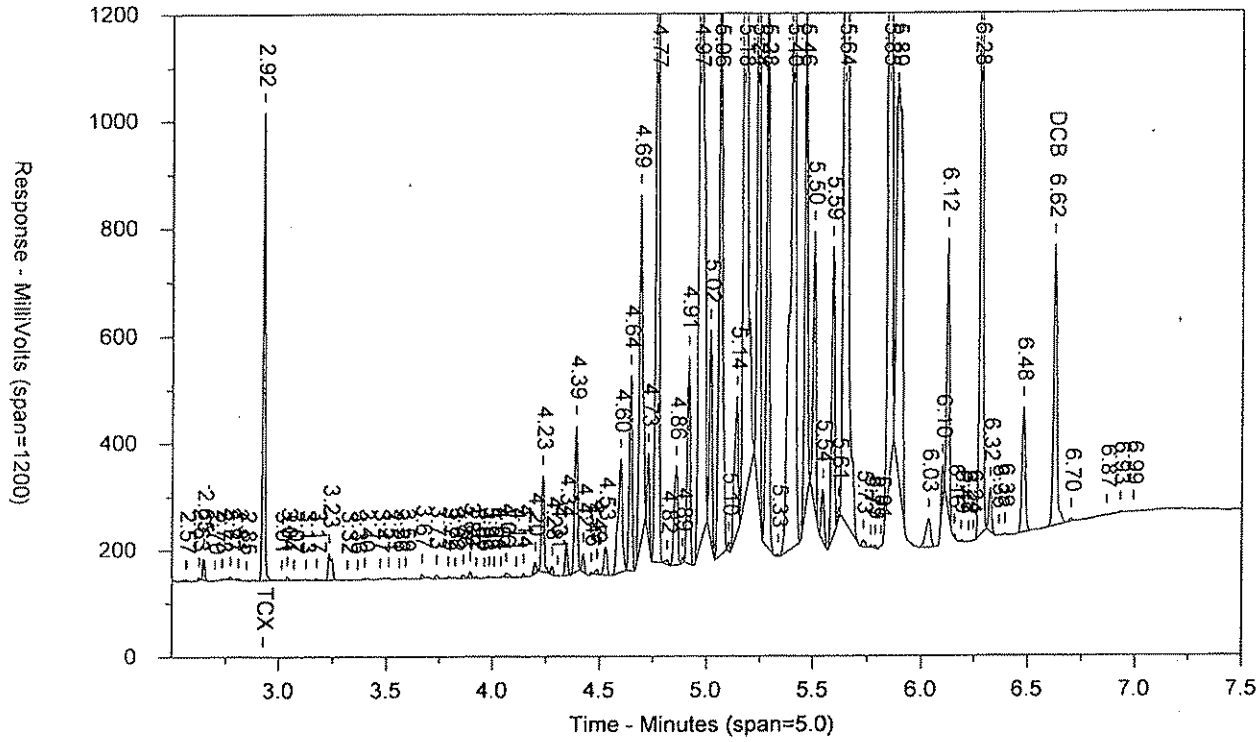
Sample Number: 8570348ACF DF5 ACA5107 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:00:57 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207031B.0044.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.02		1813	1371
2.103		23172	23573
2.146		15588	9957
2.22		8556	10379
2.297		5065	5274
2.35		69758	45941
2.379		2967	4282
2.421		3143	1652
2.481		5570	5438
2.518		3005	2068
2.534		8419	7467
2.578		5171	3803
2.6	TCX	1536932	896826
2.66		3393	2321
2.691		5025	9104
2.752		1934	2393
2.77		11278	5788
2.797		2214	2045
2.828		3259	4039
2.895		25195	10655
2.906		61113	26221
2.933		3643	3436
2.996		3628	8541
3.054		3762	3432
3.091		5384	7943
3.168		3745	2299
3.214		3107	1741
3.248		10461	10477
3.311		14538	11929
3.367		6580	10470
3.408		4367	7377
3.434		3194	1801
3.476		10005	11762
3.511		14427	7646
3.534		22439	15937
3.569		8143	12269
3.608		3391	1801
3.637		12241	10913
3.658		6270	3253
3.68		4044	2829
3.709		12833	6522
3.725		5517	3267
3.751		4457	4815
3.813		13203	12788
3.856		388899	251670
3.881		15814	8802
3.901		12450	6454
3.92		142542	93092
3.955		627162	400446
3.986		84937	99824
4.063		15267	19269
4.097		75106	70312
4.125		18459	16861
4.153		145928	96105

RT B	Compound B	Height B	Area B
4.195		304197	183729
4.213		291606	140728
4.226		1164038	648262
4.252		632070	609534
4.304		4051064	2909460
4.351		71082	67105
4.372		220180	132897
4.397		1036472	749311
4.439		6015030	4419010
4.493		7999	5684
4.541		4224446	3844075
4.592		513499	428411
4.63		1333682	1108789
4.666		6708992	5441533
4.698		3469395	2340305
4.736		2387711	1764345
4.793		15108	8547
4.808		7065	4027
4.834		723252	714483
4.885		4424744	3330898
4.908		518700	323121
4.958		2421252	2037632
4.993		1195223	926833
5.023		915449	721961
5.055		190711	105802
5.077		12719730	10139190
5.118		227705	163843
5.15		308118	251282
5.195		11292	8165
5.215		19645	12342
5.268		101675	59082
5.292		1997382	1586820
5.335		7547935	7880316
5.441		4225	5928
5.49		115317	96297
5.536		223231	175068
5.559		55594	34622
5.582		8776	4861
5.608		1236703	1031407
5.65		12612	10249
5.688		3835	2061
5.715		3179218	2495106
5.746		158465	116857
5.796		1602	1049
5.827		3941	2754
5.914		556571	472245
5.962		4942	3173
6.001		2290	2397
6.032		2343	1529
6.072	DCB	1298435	1072173
6.176		1830	2662
6.21		1484	1592
6.244		8590	6377
6.272		38903	32406
6.335		4515	6167
6.391		1425	1363
6.447		1277	3071
6.492		5411	7584
6.55		5228	7646
6.725		899	7450
6.852		2051	5735
6.911		3421	2732
6.966		23733	25402

8570348ACF DF5 ACA5107 T 162530010A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207031.0044.RAW



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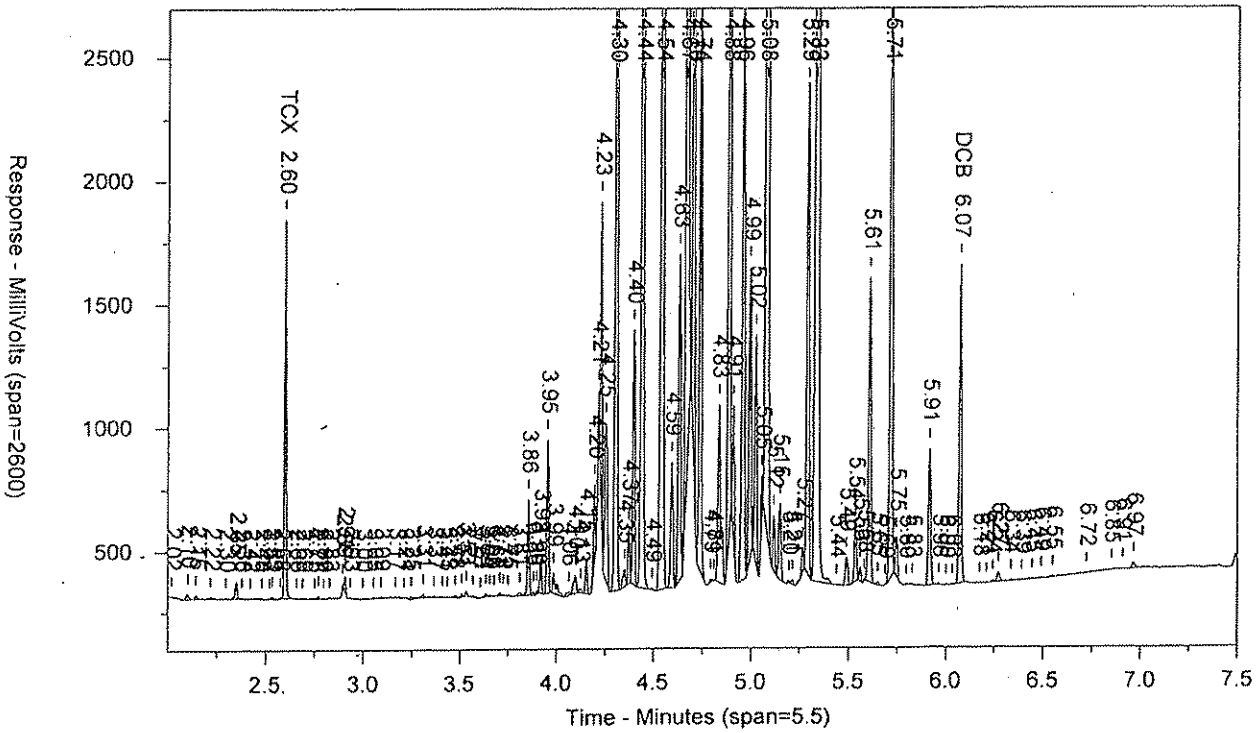

LANCASTER LABORATORIES

Sample Number: 8570348ACF DF5 ACA5107 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:00:57 AM
Sample Weight: 10.39
Dilution Factor: 50
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: 4
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	877355	31.207	TCX	2.6	1536932	30.113	TCX
6.622	524921	37.791	DCB	6.072	1298435	32.846	DCB

Files:
Area File: 25pcbs16207031.0044.RAW
Area File: 25pcbs16207031B.0044.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 4:09:28 AM
File Reported On: 9/12/2016 at 4:09:35 AM

8570348ACF DF5 ACA5107 T 162530010A 10225 SW-846 8082

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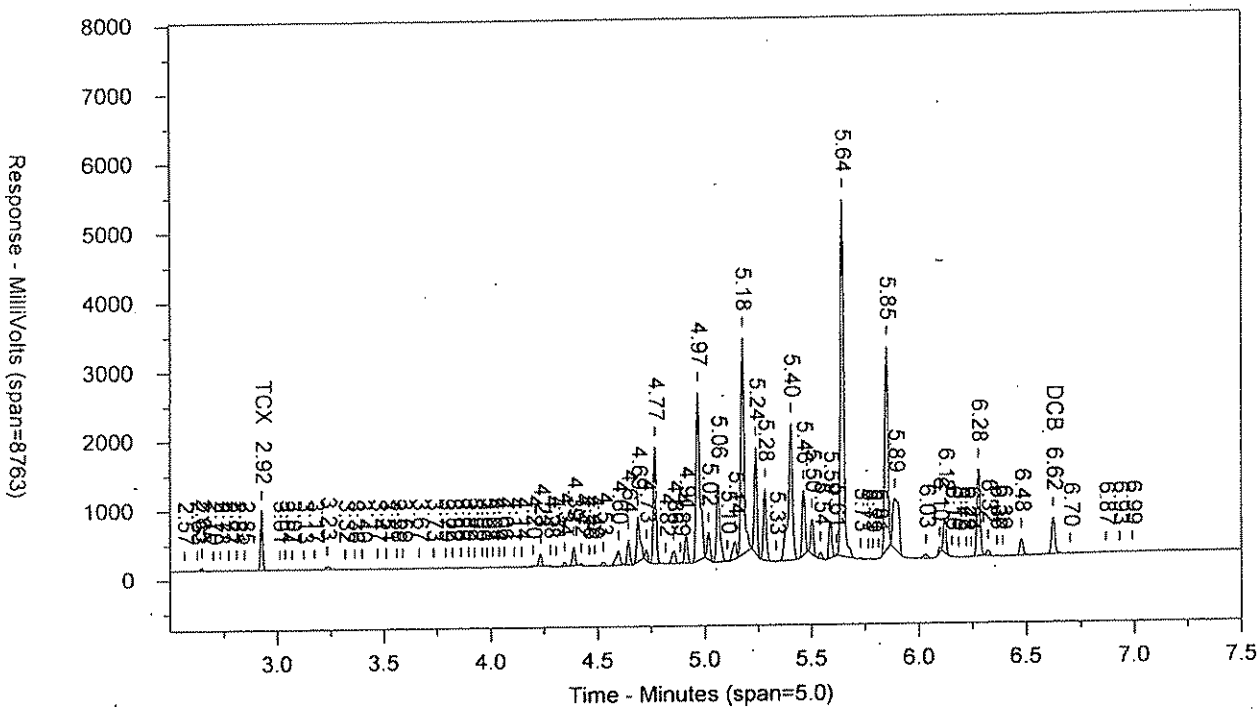

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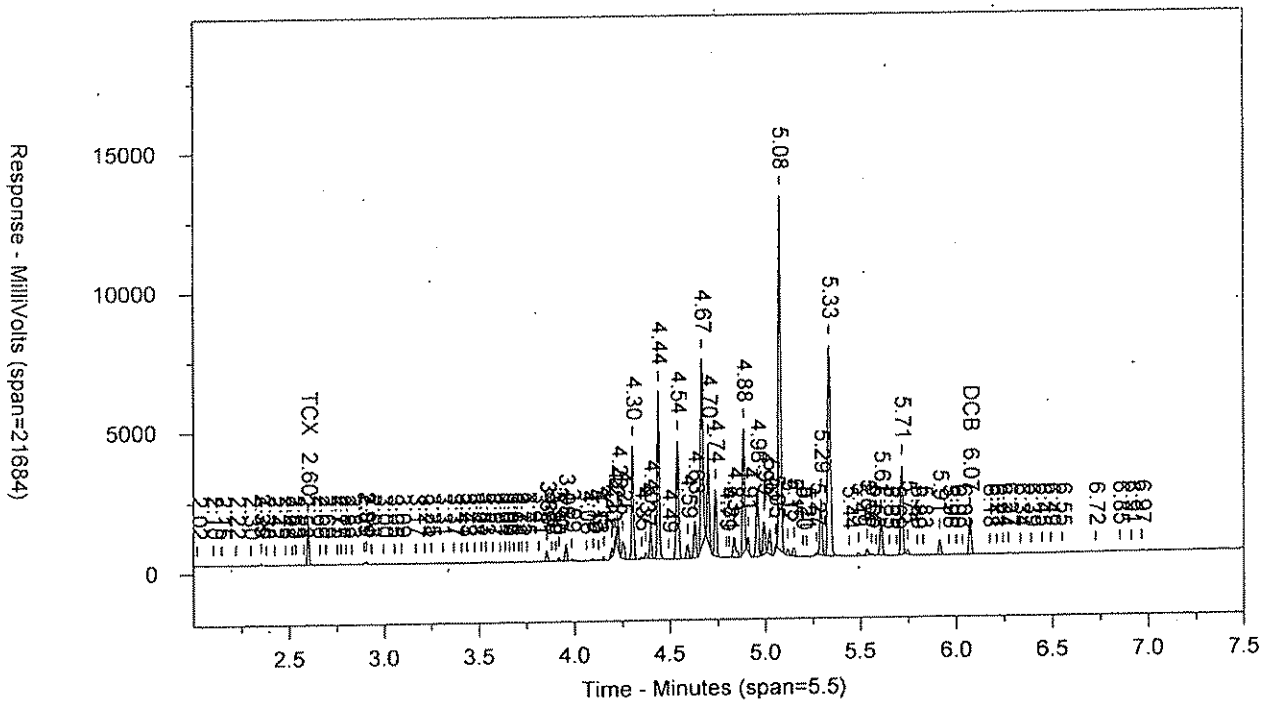

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Data Summary

Sample Name: 8570349 ACF DF50 A5108 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 04:12:14
Instrument	18274A
Result file	25PCBS16207031.0045.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 125% (46 - 148) Conc: 36.31268
%SSR(DCB) * 22% (49 - 139) Conc: 6.30406

Analysis Report (B)

Injected on	Sep 12, 2016 04:12:14
Instrument	18274B
Result file	25PCBS16207031B.0045.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 108% (46 - 148) Conc: 31.43042
%SSR(DCB) 132% (49 - 139) Conc: 38.58752

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.92	2.96	98553	36.31268
Decachlorobiphenyl	6.60	6.65	6.66	8453	6.30406

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	154857	31.43042
Decachlorobiphenyl	6.05	6.07	6.11	147257	38.58752

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	36.31268				14.41	
☑ Decachlorobiphenyl	A	6.30406			P	143.83	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**20.33**	
4.76	4.77	4.80	1156129	14476.906537			1
4.96	4.97	5.00	1639770	18976.11853			2
5.23	5.24	5.27	1070970	20360.606004			3
5.40	5.40	5.44	1377778	20934.513308			4
5.64	5.64	5.68	3636289	26470.386782			5
5.84	5.85	5.88	1939682	24761.001337			6

Height summation: **10820618**
Concentration CF: **20996.58875** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.89**	
4.29	4.30	4.33	2768169	14213.660588			1
4.43	4.44	4.47	4047522	18360.512765			2
4.53	4.54	4.57	2927904	15925.320273			3
4.88	4.89	4.92	3151844	21509.780517			4
5.07	5.08	5.11	8464152	26059.932025			5
5.33	5.34	5.37	5115342	23505.033494			6

Height summation: **26474933**
Concentration CF: **19929.039944** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2542.3729	<493.5194			4	
☑ PCB-1221			<2542.3729	<762.7119			3	
☑ PCB-1232			<2542.3729	<613.1605			4	
☑ PCB-1242			<2542.3729	<613.1605			4	
☑ PCB-1248			<2542.3729	<493.5194			4	
☑ PCB-1254			<2542.3729	<658.0259			4	
☑ PCB-1260	A	20996.58875	2542.3729	583.2502		5.22	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomeyko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570349** ACF DF50 A5108 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:12:14
Instrument : P 25--18274A
Result file : 25PCBS16207031.0045.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 23% (46-148) Conc.: 36.31268
%SSR(DCB) : *22% (49-139) Conc.: 6.30406

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	43.00	
3.17	3.18	3.21	2213.58	48.196915			1
3.39	3.40	3.43	4132.317	91.529552			2
3.51	3.52	3.55	1323.111	24.119534			3
3.73	3.74	3.77	5938.023	95.484848			4
3.79	3.79	3.83	2838.732	53.602904			5
3.98	3.98	4.02	2724.588	66.693176			6
+ 3.98	4.01	4.02	1700.324	41.620975			6
Height Summation:			19170.351				
Amount Avg CF:			63.271155	Linear:			
Aroclor-1221					1		
3.17	3.18	3.21	2213.58	35.018257			3
Height Summation:			2213.58				
Amount Avg CF:			35.018257	Linear:			
Aroclor-1232					5	65.46	
3.17	3.18	3.21	2213.58	36.051645			1
3.39	3.40	3.43	4132.317	164.73371			2
3.51	3.52	3.55	1323.111	43.270372			3
3.73	3.74	3.77	5938.023	174.479964			4
3.99	4.01	4.02	1700.324	83.868298			6
Height Summation:			15307.355				
Amount Avg CF:			100.480798	Linear:			
Aroclor-1242					5	47.01	
3.17	3.18	3.21	2213.58	65.952417			1
3.39	3.40	3.43	4132.317	130.690227			2
3.51	3.52	3.55	1323.111	33.65677			3
3.73	3.74	3.77	5938.023	135.544276			4
3.98	3.98	4.02	2724.588	94.134154			6
+ 3.98	4.01	4.02	1700.324	58.745968			6
Height Summation:			16331.619				
Amount Avg CF:			91.995569	Linear:			
Aroclor-1248					5	206.43	
3.79	3.79	3.83	2838.732	94.601024			1
3.85	3.86	3.89	5637.355	111.19623			2
3.98	3.98	4.02	2724.588	47.104575			3
+ 3.98	4.01	4.02	1700.324	29.396386			3
4.25	4.28	4.29	11487.91	230.999258			5
4.64	4.64	4.68	267475.7	7368.608868			6
Height Summation:			290164.285				
Amount Avg CF:			1570.501991	Linear:			
Aroclor-1254					6	132.94	
4.23	4.23	4.27	124135.5	2033.240435			1
4.58	4.60	4.62	154656.4	2640.278167			2
4.64	4.64	4.68	267475.7	2431.846931			3
4.77	4.77	4.81	1156129	32395.451624			4
+ 4.77	4.80	4.81	3985.017	111.662648			4
4.86	4.86	4.90	138837.1	1984.726704			5
+ 4.86	4.89	4.90	8493.067	121.411473			5
5.06	5.06	5.10	802095	13865.547786			6
Height Summation:			2643328.7				
Amount Avg CF:			9225.181941	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 04:12:14
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0045.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 108% (46-148) Conc.: 31.43042
%SSR(DCB) : 132% (49-139) Conc.: 38.58752

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	174.48	
2.87	2.91	2.91	65401.2	809.673921			1
3.19	3.21	3.23	3709.79	37.105024			2
3.39	3.41	3.43	3967.981	37.124571			3
3.46	3.48	3.50	5833.801	53.108457			4
3.63	3.64	3.67	7656.232	82.013366			5
+ 3.63	3.66	3.67	3497.869	37.469085			5
3.72	3.73	3.76	3781.446	47.148166			6
+ 3.72	3.75	3.76	3699.936	46.131876			6
Height Summation:			90350.45				
Amount Avg CF:			177.695584	Linear:			
Aroclor-1221					3	99.23	
2.75	2.77	2.79	6958.979	154.385909			1
2.81	2.83	2.85	2166.403	75.423688			2
2.87	2.91	2.91	65401.2	565.21751			3
Height Summation:			74526.582				
Amount Avg CF:			265.009036	Linear:			
Aroclor-1232					6	109.66	
2.87	2.91	2.91	65401.2	577.140155			1
3.20	3.21	3.24	3709.79	68.553872			2
3.39	3.41	3.43	3967.981	68.790594			3
3.47	3.48	3.51	5833.801	103.082212			4
3.63	3.64	3.67	7656.232	172.875824			5
+ 3.63	3.66	3.67	3497.869	78.981016			5
3.72	3.73	3.76	3781.446	92.969023			6
+ 3.72	3.75	3.76	3699.936	90.965053			6
Height Summation:			90350.45				
Amount Avg CF:			180.568613	Linear:			
Aroclor-1242					6	173.22	
2.87	2.91	2.91	65401.2	1098.898891			1
3.20	3.21	3.24	3709.79	50.361011			2
3.39	3.41	3.43	3967.981	51.061835			3
3.47	3.48	3.51	5833.801	77.544122			4
3.63	3.64	3.67	7656.232	113.285783			5
+ 3.63	3.66	3.67	3497.869	51.756377			5
3.72	3.73	3.76	3781.446	64.219962			6
+ 3.72	3.75	3.76	3699.936	62.835684			6
Height Summation:			90350.45				
Amount Avg CF:			242.561934	Linear:			
Aroclor-1248					6	144.41	
+ 3.50	3.51	3.54	10379.76	96.601929			1
3.50	3.53	3.54	18328.08	170.575031			1
3.63	3.64	3.67	7656.232	58.932243			2
+ 3.63	3.66	3.67	3497.869	26.924115			2
3.72	3.73	3.76	3781.446	39.883757			3
+ 3.72	3.75	3.76	3699.936	39.024053			3
3.85	3.86	3.89	259589.2	1440.566994			4
+ 3.85	3.88	3.89	12534.46	69.558862			4
+ 4.21	4.21	4.25	227760.9	2802.87113			5
4.21	4.23	4.25	801315.6	9861.149836			5
+ 4.37	4.37	4.40	170396.9	3498.403922			6
4.37	4.40	4.40	711470.3	14607.1348			6
Height Summation:			1802140.858				
Amount Avg CF:			4363.040444	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570349** ACF DF50 A5108 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:12:14
Instrument : P 25--18274A
Result file : 25PCBS16207031.0045.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	20.33	
4.76	4.77	4.80	1156129	14476.906537			1
4.96	4.97	5.00	1639770	18976.11853			2
5.23	5.24	5.27	1070970	20360.606004			3
5.40	5.40	5.44	1377778	20934.513308			4
5.64	5.64	5.68	3636289	26470.386782			5
5.84	5.85	5.88	1939682	24761.001337			6
Height Summation:			**10820618**				
Amount Avg CF:			**20996.58875**	Linear:			
Aroclor-1262					5	21.25	
E 5.23	5.24	5.27	1070970	11372.770747			1
E 5.40	5.40	5.44	1377778	16785.342382			2
E 5.64	5.64	5.68	3636289	19427.075107			3
E 5.84	5.85	5.88	1939682	18100.037053			4
E 6.28	6.28	6.32	887582.9	13334.761585			6
Height Summation:			**8912301.9**				
Amount Avg CF:			**15803.997375**	Linear:			
Aroclor-1268					3	84.68	
5.84	5.85	5.88	1939682	8906.526617			1
6.03	6.03	6.07	35372.93	200.493051			3
+ 6.10	6.10	6.14	51520.81	1053.483772			4
6.10	6.12	6.14	357964.7	7319.566642			4
Height Summation:			**2333019.63**				
Amount Avg CF:			**5475.52877**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 04:12:14
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0045.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	128.16	
4.15	4.15	4.19	113417.9	772.307971			1
+ 4.21	4.21	4.25	227760.9	891.974923			2
4.21	4.23	4.25	801315.6	3138.174379			2
4.30	4.30	4.34	2768169	23008.938631			3
+ 4.37	4.37	4.41	170396.9	1049.777336			4
4.37	4.40	4.41	711470.3	4383.21			4
4.43	4.44	4.47	4047522	41581.476384			5
4.58	4.59	4.62	390240.5	3441.522076			6
Height Summation:			**8832135.3**				
Amount Avg CF:			**12720.93824**	Linear:			
Aroclor-1260					6	22.89	
4.29	4.30	4.33	2768169	14213.660588			1
4.43	4.44	4.47	4047522	18360.512765			2
4.53	4.54	4.57	2927904	15925.320273			3
4.88	4.89	4.92	3151844	21509.780517			4
+ 4.88	4.91	4.92	365211.1	2492.385601			4
5.07	5.08	5.11	8464152	26059.932025			5
5.33	5.34	5.37	5115342	23505.033494			6
Height Summation:			**26474933**				
Amount Avg CF:			**19929.039944**	Linear:			
Aroclor-1262					6	31.62	
4.69	4.70	4.73	2376734	9528.985061			1
E 4.88	4.89	4.92	3151844	12384.332979			2
+ 4.88	4.91	4.92	365211.1	1434.999914			2
E 5.07	5.08	5.11	8464152	18121.494099			3
5.28	5.29	5.32	1403912	7290.748337			4
E 5.33	5.34	5.37	5115342	16049.798889			5
E 5.71	5.72	5.75	2147975	12543.741567			6
Height Summation:			**22659959**				
Amount Avg CF:			**12653.183489**	Linear:			
Aroclor-1268					6	126.13	
5.29	5.29	5.33	1403912	2450.690075			1
5.33	5.34	5.37	5115342	9224.632378			2
5.49	5.49	5.53	74574.98	153.466782			3
5.55	5.56	5.59	36781.35	315.203173			4
+ 5.55	5.58	5.59	7651.864	65.573771			4
E 5.71	5.72	5.75	2147975	10927.503847			5
+ 5.71	5.75	5.75	112239.1	570.999754			5
5.91	5.91	5.95	392509.9	242.832291			6
Height Summation:			**9171095.23**				
Amount Avg CF:			**3885.721424**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2542.3729	493.5194		** 94.97	4	40	
Aroclor-1221			2542.3729	762.7119		** 153.31	3	5	
Aroclor-1232			2542.3729	613.1605		** 56.99	4	10	
Aroclor-1242			2542.3729	613.1605		** 90.01	4	30	
Aroclor-1248			2542.3729	493.5194		** 94.13	4	40	
Aroclor-1254			2542.3729	658.0259		31.86	4	40	
Aroclor-1260			2542.3729	583.2502		5.22	4	40	
Aroclor-1262			2542.3729	493.5194	E	22.14	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570349** ACF DF50 A5108 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 04:12:14
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0045.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 04:12:14
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0045.RAW
Calibration file	: 25PCBS1620701B.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			2542.3729	493.5194		33.97	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570349ACF DF50 ACA5108 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:12:14 AM 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: 25pcbs16207031.0045.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.008		2591	2325
2.036		6132	7024
2.089		9574	10524
2.133		4483	4970
2.197		40083	30513
2.281		2344	1472
2.309		6646	4924
2.381		7940	9234
2.424		5397	4125
2.49		4748	6352
2.567		2408	4366
2.627		4700	2619
2.648		25817	16997
2.705		1585	1953
2.762		3438	6027
2.799		1469	1954
2.885		1192	942
2.925	TCX	98553	70108
3.038		4759	3200
3.179		2214	3673
3.232		36647	50707
3.399		4132	6752
3.494		818	1388
3.515		1323	824
3.562		1763	2417
3.59		2319	1658
3.668		1728	1175
3.737		5938	5613
3.79		2839	4644
3.861		5637	4276
3.895		9027	7594
3.924		4355	3768
3.962		1267	862
3.985		2725	1625
4.009		1700	1365
4.041		1818	1226
4.065		6378	7840
4.112		1429	1354
4.145		3377	2719
4.2		22205	19384
4.235		124136	107451
4.28		11488	8541
4.307		1924	1352
4.346		40204	32942
4.39		192070	176952
4.424		26022	21202
4.463		2836	2048
4.487		7220	5734
4.529		42966	43487
4.597		154656	212191
4.644		267476	242773
4.69		447815	515840
4.728		112513	83135
4.766		1156129	1060459

RT A	Compound A	Height A	Area A
4.803		3985	7241
4.858		138837	161844
4.888		8493	5053
4.915		269696	258384
4.967		1639770	1973966
5.017		275345	249001
5.061		802095	870405
5.103		14026	8105
5.141		179458	216313
5.177		2108541	2275505
5.239		1070970	953313
5.283		705396	707819
5.336		3399	2521
5.405		1377778	1850612
5.462		650257	604518
5.502		349081	330496
5.543		69239	66040
5.588		377407	360607
5.615		14050	7035
5.644		3636289	3732012
5.733		8639	8901
5.767		3668	2225
5.85		1939682	2070261
5.889		504583	1003143
6.034		35373	56507
6.099		51521	38619
6.122		357965	326693
6.185		2328	2258
6.225		1354	792
6.245		1897	1283
6.279		887583	885359
6.325		56462	52000
6.393		2539	3744
6.479		167836	176868
6.625		59349	57660
6.652	DCB	8453	6351
6.703		3993	3709
6.937		2414	19270

LANCASTER LABORATORIES

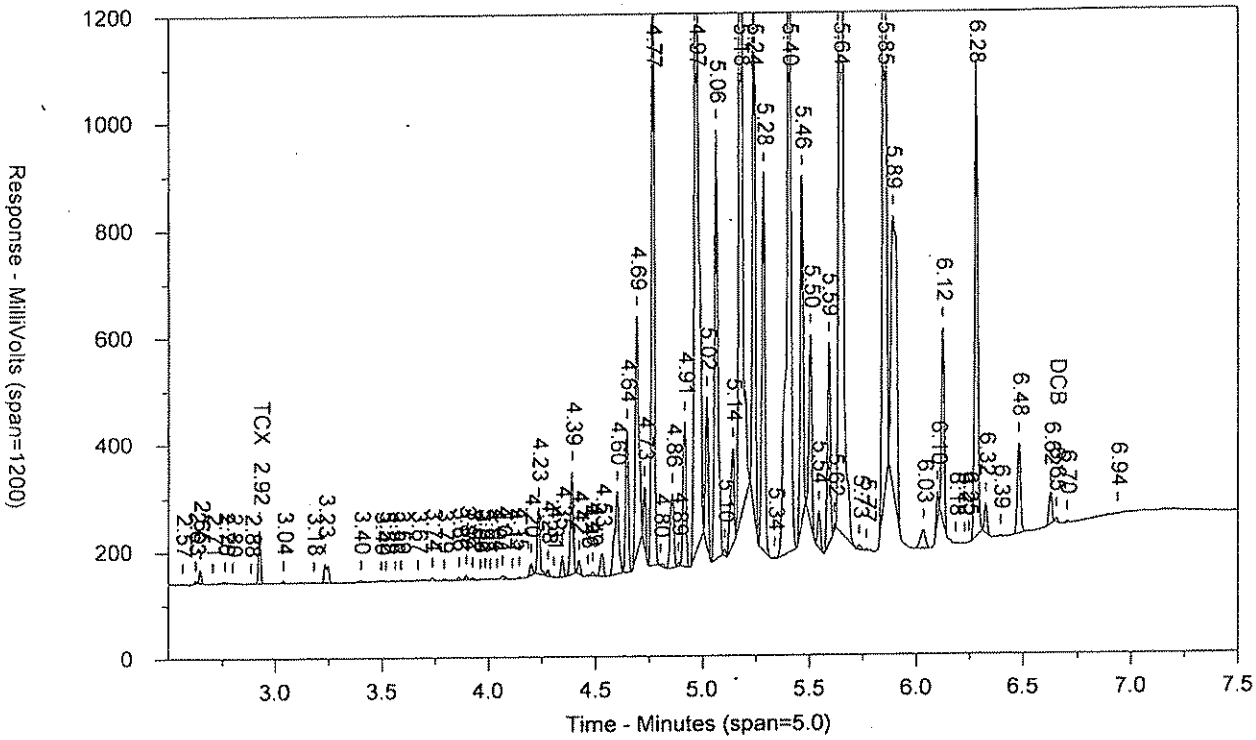
Sample Number: 8570349ACF DF50 ACA5108 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:12:14 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207031B.0045.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.1		12081	13303
2.146		6075	4505
2.219		7672	8243
2.297		4176	4192
2.35		45537	33452
2.454		1869	2159
2.478		2584	1966
2.551		1331	862
2.575		2956	2209
2.599	TCX	154857	88845
2.701		3950	6783
2.77		6959	6118
2.825		2166	6502
2.905		65401	65480
2.935		1461	915
2.99		1227	1741
3.052		1553	1414
3.089		3736	5189
3.186		2085	1402
3.214		3710	5720
3.248		7608	7455
3.309		3246	4574
3.341		2955	2074
3.368		3985	3859
3.408		3968	6393
3.476		5834	6062
3.511		10380	5361
3.535		18328	13469
3.569		3797	5981
3.638		7656	6966
3.659		3498	1955
3.679		2725	1456
3.709		10691	6962
3.726		3781	2240
3.752		3700	3874
3.812		9357	10234
3.857		259589	176414
3.882		12534	6753
3.902		6967	3347
3.92		112221	74476
3.955		418078	274752
3.987		55357	32698
4.003		21082	18489
4.065		14215	20364
4.098		59697	55007
4.126		12460	11007
4.154		113418	72366
4.196		209666	130482
4.214		227761	108821
4.227		801316	437391
4.253		441232	429555
4.304		2768169	2001780
4.352		45232	45829
4.373		170397	103179

RT B	Compound B	Height B	Area B
4.398		711470	519334
4.44		4047522	3043088
4.495		5168	3340
4.541		2927904	2648160
4.593		390241	310207
4.631		928702	777291
4.667		4599710	3705739
4.699		2376734	1612504
4.737		1636205	1259397
4.794		7996	4111
4.809		2613	1128
4.835		508626	500903
4.886		3151844	2326472
4.909		365211	222710
4.959		1704072	1425482
4.994		813864	640815
5.024		618088	500957
5.057		117269	70309
5.078		8464152	6943645
5.119		157373	111751
5.151		214658	175371
5.196		7273	5315
5.217		11915	7907
5.269		67433	40221
5.292		1403913	1120001
5.336		5115343	5568826
5.44		3077	3331
5.492		74575	61880
5.537		159456	120649
5.56		36781	23047
5.583		7652	4208
5.609		884802	724502
5.652		7276	6392
5.687		2330	1307
5.715		2147975	1729235
5.747		112239	79749
5.827		3538	2764
5.915		392510	324409
5.961		2957	3156
5.998		1568	1384
6.073	DCB	147257	126676
6.112		2335	3147
6.219		785	3692
6.245		6581	4730
6.272		28778	24916
6.338		2439	2010
6.438		1707	3167
6.491		2863	4573
6.548		3114	3435
6.654		1887	2115
6.696		1976	2683
6.761		2243	2017
6.845		1909	4103
6.926		1381	1501
6.968		7005	6804

8570349ACF DF50 ACA5108 T 162530010A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207031.0045.RAW



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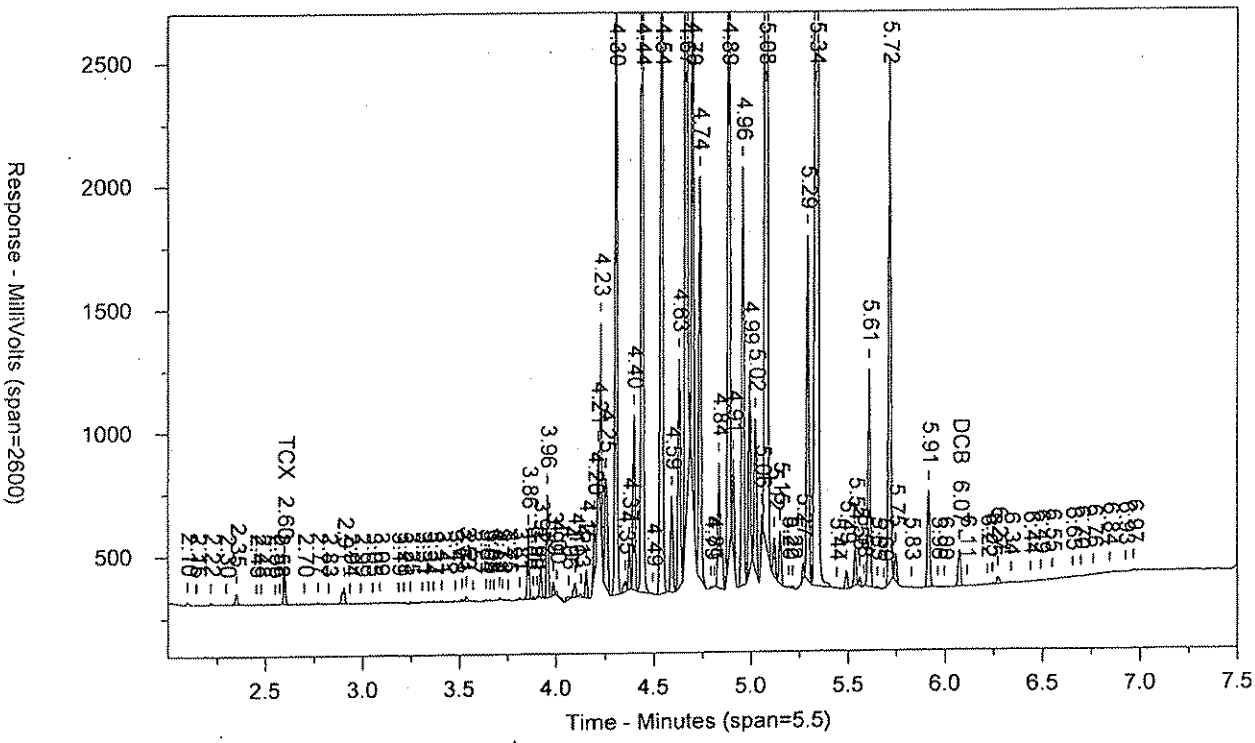

LANCASTER LABORATORIES

Sample Number: 8570349ACF DF50 ACA5108 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:12:14 AM Sample Weight: 10.03
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: 4
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	98553	36.313	TCX	2.599	154857	31.43	TCX
6.652	8453	6.304	DCB	6.073	147257	38.588	DCB

Files:
Area File: 25pcbs16207031.0045.RAW
Area File: 25pcbs16207031B.0045.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 4:20:44 AM
File Reported On: 9/12/2016 at 4:20:53 AM

8570349ACF® DF50 ACA5108 T 162530010A 10225 SW-846 8082

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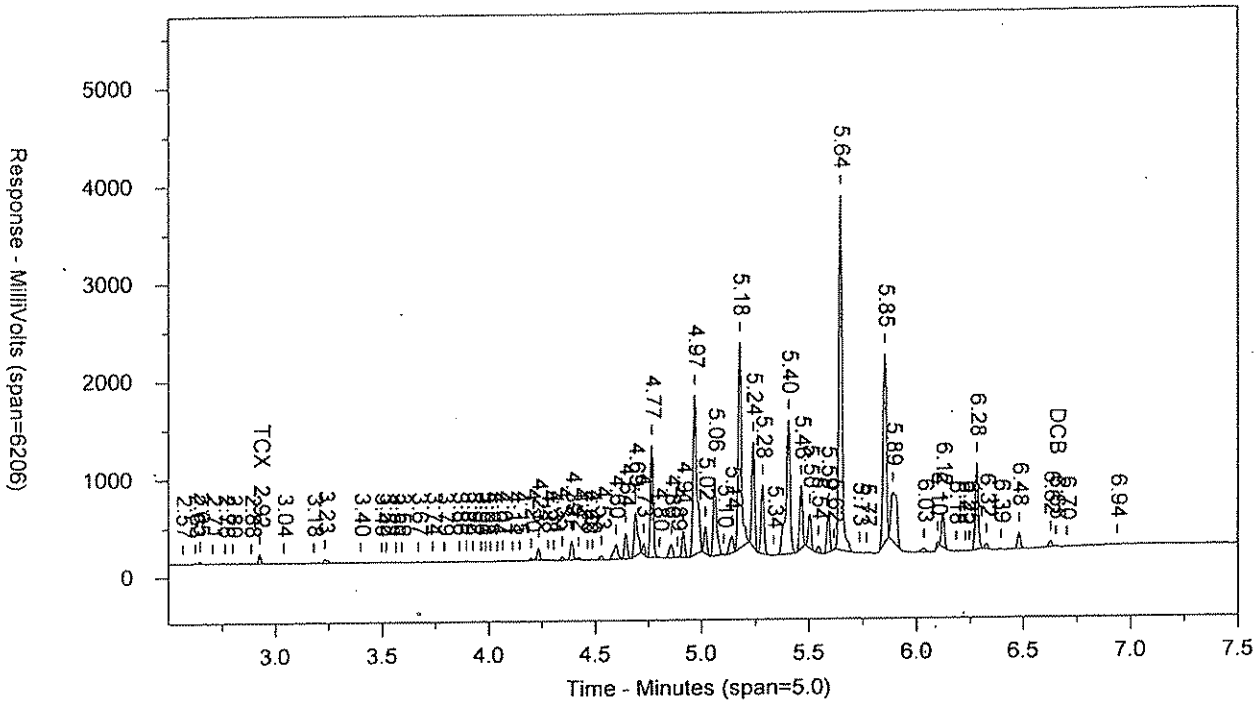

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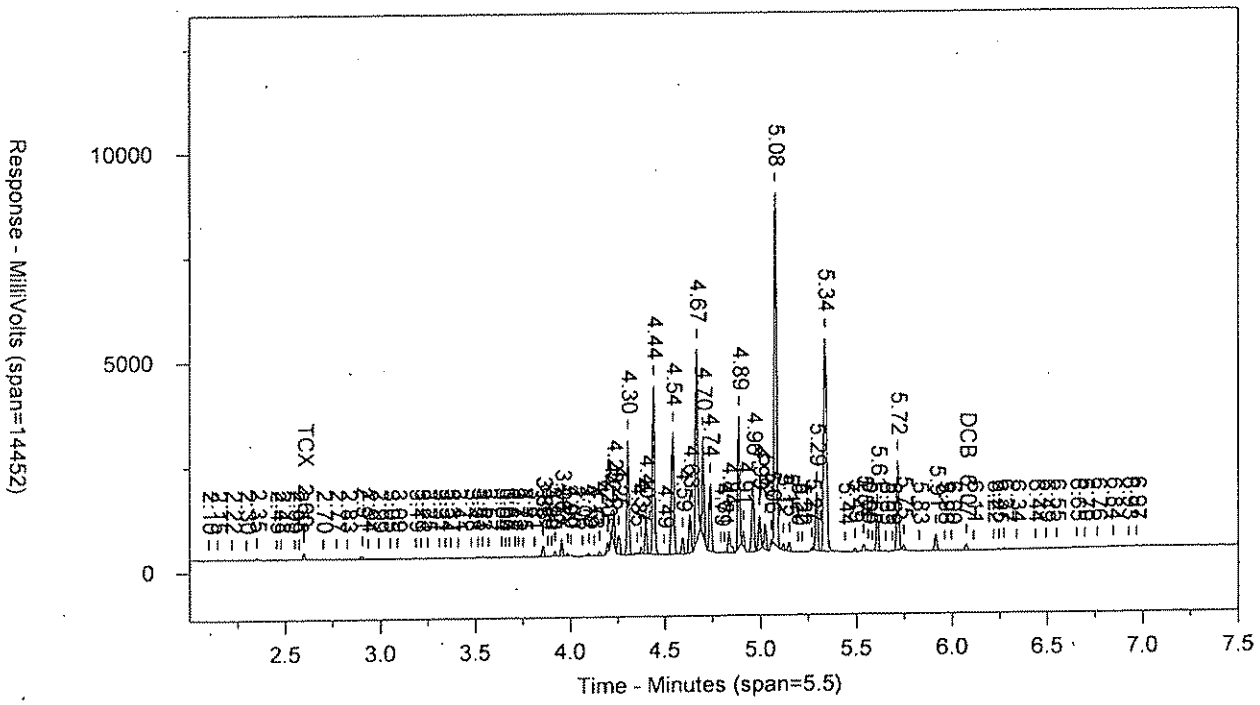

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Data Summary

Sample Name: 8570350 ACF DF5 A5109 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.22 g Total Volume: 50 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on Sep 12, 2016 04:23:33
Instrument 18274A
Result file 25PCBS16207031.0046.RAW
Calibration file 25PCBS1620701
Method file 25PCBS

%SSR(TCX) 111% (46 - 148) Conc: 31.77823
%SSR(DCB) 139% (49 - 139) Conc: 39.83824

Analysis Report (B)

Injected on Sep 12, 2016 04:23:33
Instrument 18274B
Result file 25PCBS16207031B.0046.RAW
Calibration file 25PCBS1620701B
Method file 25PCBSB

%SSR(TCX) 110% (46 - 148) Conc: 31.37879
%SSR(DCB) 116% (49 - 139) Conc: 33.26272

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	878804	31.77823
Decachlorobiphenyl	6.60	6.62	6.66	544297	39.83824

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	1575314	31.37879
Decachlorobiphenyl	6.05	6.07	6.11	1293408	33.26272

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
✓	Tetrachloro-m-xylene	A	31.77823				1.26	
✓	Decachlorobiphenyl	A	39.83824				17.99	

Multiple Component Data

Aroclor-1260 (%RSD 19.59)

Min	RT	Max	Height	Amount	Pks	Peak
4.76	4.77	4.80	756566.8	929.751296		1
4.96	4.97	5.00	1086092	1233.505527		2
5.23	5.24	5.27	687320.1	1282.39695		3
5.40	5.41	5.44	919376.5	1370.967182		4
5.64	5.65	5.68	2303579	1645.716574		5
5.84	5.85	5.88	1280003	1603.609767		6

Height summation: **7032937.4**
Concentration CF: **1344.324549** L:

Aroclor-1260 (%RSD 23.69)

Min	RT	Max	Height	Amount	Pks	Peak
4.29	4.31	4.33	1791295	902.67308		1
4.43	4.44	4.47	2619061	1165.980369		2
4.53	4.54	4.57	1912708	1021.010136		3
4.88	4.89	4.92	1991748	1333.999577		4
5.07	5.08	5.11	5702068	1722.948333		5
5.33	5.34	5.37	3219052	1451.657723		6

Height summation: **17235932**
Concentration CF: **1266.378203** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<249.5108	<48.4344			4	
✓	PCB-1221			<249.5108	<74.8532			3	
✓	PCB-1232			<249.5108	<60.1761			4	
✓	PCB-1242			<249.5108	<60.1761			4	
✓	PCB-1248			<249.5108	<48.4344			4	
✓	PCB-1254			<249.5108	<64.5793			4	
✓	PCB-1260	A	1344.324549	249.5108	57.2407		5.97	4	

Units: ug/kg

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

Reviewed by: Kirby G. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Yelvin L. Tomayko, Principal Chemist
Date: SEP 22 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570350** ACF DF5 A5109 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.22 g Total Volume: 50 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:23:33
Instrument : P 25--18274A
Result file : 25PCBS16207031.0046.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 111% (46-148) Conc.: 31.77823
%SSR(DCB) : 139% (49-139) Conc.: 39.83824

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	40.82	
3.17	3.17	3.21	4940.616	10.557356			1
3.39	3.40	3.43	1927.312	4.189573			2
3.51	3.51	3.55	3908.612	6.992705			3
3.73	3.74	3.77	4433.972	6.997382			4
3.79	3.79	3.83	2860.738	5.301418			5
3.98	3.99	4.02	1443.375	3.467447			6
+ 3.98	4.01	4.02	1314.319	3.157413			6
Height Summation:			19514.625				
Amount Avg CF:			6.25098	Linear:			
Aroclor-1221					1		
3.13	3.13	3.17	1869.499	9.256147			2
Height Summation:			1869.499				
Amount Avg CF:			9.256147	Linear:			
Aroclor-1232					5	27.09	
3.39	3.40	3.43	1927.312	7.54034			2
3.51	3.51	3.55	3908.612	12.544893			3
3.73	3.74	3.77	4433.972	12.786352			4
3.79	3.83	3.83	3273.972	11.223911			5
3.99	3.99	4.02	1443.375	6.987074			6
+ 3.99	4.01	4.02	1314.319	6.362341			6
Height Summation:			14987.243				
Amount Avg CF:			10.216514	Linear:			
Aroclor-1242					5	29.06	
3.39	3.40	3.43	1927.312	5.982071			2
3.51	3.51	3.55	3908.612	9.757729			3
3.73	3.74	3.77	4433.972	9.933042			4
3.79	3.83	3.83	3273.972	8.497267			5
3.98	3.99	4.02	1443.375	4.894131			6
+ 3.98	4.01	4.02	1314.319	4.456534			6
Height Summation:			14987.243				
Amount Avg CF:			7.812848	Linear:			
Aroclor-1248					5	206.25	
+ 3.79	3.79	3.83	2860.738	9.356202			1
3.79	3.83	3.83	3273.972	10.707706			1
3.85	3.86	3.89	3244.32	6.280416			2
3.98	3.99	4.02	1443.375	2.449015			3
+ 3.98	4.01	4.02	1314.319	2.230042			3
4.25	4.28	4.29	6312.007	12.456243			5
4.64	4.65	4.68	177739.8	480.547028			6
Height Summation:			192013.474				
Amount Avg CF:			102.488082	Linear:			
Aroclor-1254					6	133.08	
4.23	4.24	4.27	82712.05	132.957109			1
4.58	4.60	4.62	108233.8	181.340468			2
4.64	4.65	4.68	177739.8	158.593954			3
4.77	4.77	4.81	756566.8	2080.535164			4
4.86	4.86	4.90	87152.32	122.271198			5
+ 4.86	4.89	4.90	5900.085	8.277582			5
5.06	5.06	5.10	507124.6	860.351536			6
Height Summation:			1719529.37				
Amount Avg CF:			589.341571	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 04:23:33
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0046.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 110% (46-148) Conc.: 31.37879
%SSR(DCB) : 116% (49-139) Conc.: 33.26272

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	166.48	
2.87	2.91	2.91	36253.72	44.048087			1
3.19	3.21	3.23	1407.641	1.381737			2
3.39	3.39	3.43	3064.538	2.813889			3
3.46	3.48	3.50	4574.503	4.087013			4
3.63	3.64	3.67	4805.072	5.05149			5
+ 3.63	3.66	3.67	3222.414	3.387669			5
3.72	3.75	3.76	2318.288	2.836771			6
Height Summation:			52423.762				
Amount Avg CF:			10.036498	Linear:			
Aroclor-1221					3	56.00	
2.75	2.77	2.79	4672.442	10.173165			1
2.81	2.83	2.85	4665.06	15.93954			2
2.87	2.91	2.91	36253.72	30.749107			3
Height Summation:			45591.222				
Amount Avg CF:			18.953937	Linear:			
Aroclor-1232					6	100.11	
2.87	2.91	2.91	36253.72	31.397725			1
3.20	3.21	3.24	1407.641	2.552846			2
3.39	3.39	3.43	3064.538	5.214042			3
3.47	3.48	3.51	4574.503	7.932792			4
3.63	3.64	3.67	4805.072	10.648026			5
+ 3.63	3.66	3.67	3222.414	7.140861			5
3.72	3.75	3.76	2318.288	5.593682			6
Height Summation:			52423.762				
Amount Avg CF:			10.556519	Linear:			
Aroclor-1242					6	164.95	
2.87	2.91	2.91	36253.72	59.782577			1
3.20	3.21	3.24	1407.641	1.87537			2
3.39	3.39	3.43	3064.538	3.870275			3
3.47	3.48	3.51	4574.503	5.967483			4
3.63	3.64	3.67	4805.072	6.977667			5
+ 3.63	3.66	3.67	3222.414	4.679416			5
3.72	3.75	3.76	2318.288	3.863933			6
Height Summation:			52423.762				
Amount Avg CF:			13.722884	Linear:			
Aroclor-1248					6	144.49	
+ 3.50	3.51	3.54	5700.254	5.206462			1
3.50	3.54	3.54	12789.35	11.681456			1
3.63	3.64	3.67	4805.072	3.629843			2
+ 3.63	3.66	3.67	3222.414	2.434273			2
3.72	3.75	3.76	2318.288	2.399692			3
3.85	3.86	3.89	168235.7	91.625221			4
+ 3.85	3.88	3.89	6333.398	3.449321			4
+ 4.21	4.22	4.25	140755.9	169.996745			5
4.21	4.23	4.25	533044.9	643.780458			5
+ 4.37	4.37	4.40	95769.88	192.968865			6
4.37	4.40	4.40	469970.6	946.954233			6
Height Summation:			1191163.91				
Amount Avg CF:			283.345151	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570350** ACF DF5 A5109 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.22 g Total Volume: 50 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:23:33
Instrument : P 25--18274A
Result file : 25PCBS16207031.0046.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	19.59	
4.76	4.77	4.80	756566.8	929.751296			1
4.96	4.97	5.00	1086092	1233.505527			2
5.23	5.24	5.27	687320.1	1282.39695			3
5.40	5.41	5.44	919376.5	1370.967182			4
5.64	5.65	5.68	2303579	1645.716574			5
5.84	5.85	5.88	1280003	1603.609767			6
Height Summation:			**7032937.4**				
Amount Avg CF:			**1344.324549**	Linear:			
Aroclor-1262					5	20.78	
5.23	5.24	5.27	687320.1	716.305129			1
E 5.40	5.41	5.44	919376.5	1099.244735			2
E 5.64	5.65	5.68	2303579	1207.819884			3
E 5.84	5.85	5.88	1280003	1172.22223			4
6.28	6.28	6.32	593640.9	875.2864			6
Height Summation:			**5783919.5**				
Amount Avg CF:			**1014.175676**	Linear:			
Aroclor-1268					4	69.27	
5.84	5.85	5.88	1280003	576.818073			1
6.03	6.03	6.07	28332.33	15.76016			3
+ 6.10	6.10	6.14	36821.7	73.892275			4
6.10	6.12	6.14	243005.8	487.65406			4
6.28	6.28	6.32	593640.9	770.697942			5
Height Summation:			**2144982.03**				
Amount Avg CF:			**462.732559**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 04:23:33
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0046.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	128.37	
4.15	4.16	4.19	62285.82	41.624415			1
+ 4.21	4.22	4.25	140755.9	54.09911			2
4.21	4.23	4.25	533044.9	204.874216			2
4.30	4.31	4.34	1791295	1461.2386			3
+ 4.37	4.37	4.41	95769.88	57.904789			4
4.37	4.40	4.41	469970.6	284.155607			4
4.43	4.44	4.47	2619061	2640.622613			5
4.58	4.59	4.62	243049.6	210.360003			6
Height Summation:			**5718706.92**				
Amount Avg CF:			**807.145909**	Linear:			
Aroclor-1260					6	23.69	
4.29	4.31	4.33	1791295	902.67308			1
4.43	4.44	4.47	2619061	1165.980369			2
4.53	4.54	4.57	1912708	1021.010136			3
4.88	4.89	4.92	1991748	1333.999577			4
+ 4.88	4.91	4.92	228597.3	153.106066			4
5.07	5.08	5.11	5702068	1722.948333			5
5.33	5.34	5.37	3219052	1451.657723			6
Height Summation:			**17235932**				
Amount Avg CF:			**1266.378203**	Linear:			
Aroclor-1262					6	31.05	
4.69	4.70	4.73	1580475	621.875912			1
4.88	4.89	4.92	1991748	768.055022			2
+ 4.88	4.91	4.92	228597.3	88.151365			2
E 5.07	5.08	5.11	5702068	1198.09975			3
5.28	5.29	5.32	968029.3	493.367754			4
E 5.33	5.34	5.37	3219052	991.226603			5
5.71	5.72	5.75	1433253	821.430401			6
Height Summation:			**14894625.3**				
Amount Avg CF:			**815.675907**	Linear:			
Aroclor-1268					6	124.70	
5.29	5.29	5.33	968029.3	165.839143			1
5.33	5.34	5.37	3219052	569.708137			2
5.49	5.49	5.53	59965.96	12.11089			3
5.55	5.56	5.59	28522.18	23.98809			4
5.71	5.72	5.75	1433253	715.590625			5
+ 5.71	5.75	5.75	72922.08	36.408336			5
5.91	5.91	5.95	270160.7	16.403179			6
Height Summation:			**5978983.14**				
Amount Avg CF:			**250.606677**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			249.5108	48.4344		** 46.48	4	40	
Aroclor-1221			249.5108	74.8532		** 68.75	3	5	
Aroclor-1232			249.5108	60.1761		3.27	4	10	
Aroclor-1242			249.5108	60.1761		** 54.89	4	30	
Aroclor-1248			249.5108	48.4344		** 93.75	4	40	
Aroclor-1254			249.5108	64.5793		31.19	4	40	
Aroclor-1260			249.5108	57.2407		5.97	4	40	
Aroclor-1262			249.5108	48.4344	E	21.70	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570350** ACF DF5 A5109 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.22 g Total Volume: 50 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:23:33
Instrument : P 25--18274A
Result file : 25PCBS16207031.0046.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 12, 2016 04:23:33
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0046.RAW
Calibration file : 25PCBS1620701B.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			249.5108	48.4344		** 59.47	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570350ACF DF5 ACA5109 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:23:33 AM 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: 25pcbs16207031.0046.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.006		3818	1952
2.037		5529	5396
2.088		13354	15747
2.13		28726	24525
2.197		24022	16104
2.217		3221	1850
2.283		1603	1088
2.309		13525	8832
2.386		10643	12548
2.408		3251	1820
2.491		5449	6912
2.567		3121	5502
2.626		2303	1335
2.649		16239	11407
2.698		1273	1118
2.733		2741	2063
2.773		7287	7227
2.811		5344	4518
2.883		1390	1659
2.925	TCX	878804	598678
3.015		1288	801
3.039		3307	1981
3.127		1869	1452
3.173		4941	6037
3.233		20174	28433
3.361		1125	1045
3.399		1927	2090
3.513		3909	5855
3.563		1593	1629
3.592		2444	1556
3.67		7305	5645
3.739		4434	4287
3.792		2861	2048
3.826		3274	3120
3.861		3244	2371
3.897		7017	5618
3.925		2165	2191
3.965		1073	824
3.987		1443	923
4.011		1314	1129
4.066		6259	9557
4.148		5041	4858
4.202		21172	19466
4.236		82712	67396
4.282		6312	4760
4.308		1899	1475
4.348		26522	22015
4.392		133266	120656
4.425		14966	12014
4.488		7315	8456
4.53		25904	26690
4.599		108234	140007
4.646		177740	158730
4.691		311335	360191

RT A	Compound A	Height A	Area A
4.729		74228	55294
4.768		756567	722257
4.859		87152	99492
4.889		5900	3461
4.916		187958	179828
4.969		1086092	1325241
5.019		189265	175958
5.063		507125	581692
5.105		6510	3803
5.141		125906	150895
5.178		1371292	1485896
5.24		687320	649148
5.283		483680	479987
5.405		919377	1240331
5.464		455156	418138
5.504		243743	225925
5.544		47235	46794
5.588		254292	246556
5.617		9056	4857
5.645		2303579	2462282
5.734		5994	6480
5.769		2906	2019
5.788		2078	1196
5.813		1989	1236
5.851		1280003	1361485
5.89		341482	672251
6.035		28332	41561
6.1		36822	27383
6.123		243006	219817
6.186		1418	1472
6.28		593641	604710
6.324		38863	35828
6.366		1371	797
6.394		1117	1213
6.479		118856	128782
6.624	DCB	544297	574542
6.706		2726	2578
6.942		2197	16913

LANCASTER LABORATORIES

Sample Number: 8570350ACF DF5 ACA5109 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:23:33 AM 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: 25pcbs16207031B.0046.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.042		3070	3514
2.103		22079	19096
2.146		7739	4728
2.176		1787	2806
2.219		8192	9571
2.274		1407	1002
2.299		2511	2242
2.35		29755	22224
2.42		3756	2215
2.477		2953	3434
2.515		2746	2348
2.534		11388	9058
2.576		5048	2875
2.599	TCX	1575314	912596
2.701		4178	6785
2.751		1494	1476
2.771		4672	2363
2.829		4665	7889
2.905		36254	34863
2.998		1992	4654
3.054		2543	2567
3.09		2283	1825
3.17		2488	1333
3.212		1408	648
3.249		6374	7135
3.311		11135	8806
3.343		3629	3013
3.394		3065	4319
3.477		4575	6016
3.513		5700	2976
3.536		12789	10276
3.571		6937	7990
3.609		1897	999
3.642		4805	5002
3.661		3222	1684
3.684		1970	1445
3.711		7445	4575
3.754		2318	2442
3.813		6593	6951
3.858		168236	110725
3.883		6333	3386
3.904		4205	2011
3.922		83886	58258
3.957		276117	177489
3.988		37560	46137
4.054		3414	2138
4.099		33108	34097
4.127		8377	6941
4.155		62286	40779
4.198		150522	89417
4.215		140756	67721
4.229		533045	304281
4.254		299637	286596
4.305		1791295	1322312

RT B	Compound B	Height B	Area B
4.353		31173	30527
4.374		95770	55698
4.399		469971	347528
4.44		2619061	1961809
4.497		3853	2213
4.542		1912708	1721840
4.595		243050	197065
4.632		636246	514476
4.668		2921693	2381141
4.7		1580475	1077855
4.738		1033056	803721
4.795		7669	4728
4.81		3402	1821
4.836		289148	196222
4.853		45197	21740
4.887		1991749	1517723
4.91		228597	139566
4.96		1113751	943830
4.995		555638	426899
5.025		419811	331693
5.057		84377	46057
5.079		5702068	4505610
5.12		100621	72423
5.152		144576	119078
5.198		5305	3811
5.216		8519	5416
5.269		46281	26942
5.293		968029	752697
5.337		3219053	3546586
5.441		2453	3116
5.492		59966	50498
5.538		98277	74930
5.561		28522	18518
5.61		605974	498860
5.653		5581	4646
5.69		2139	1189
5.716		1433253	1141050
5.748		72922	50646
5.805		1018	788
5.853		1803	2083
5.915		270161	223667
5.963		3133	3192
6.005		1128	992
6.073	DCB	1293408	1140808
6.245		4632	3285
6.273		15312	12425
6.339		3610	4475
6.492		3941	11016
6.551		3776	5667
6.695		1562	5933
6.871		1442	8896
6.922		1460	891
6.968		27088	28084

8570350ACF DF5 ACA5109 T 162530010A 10225 SW-846 8082

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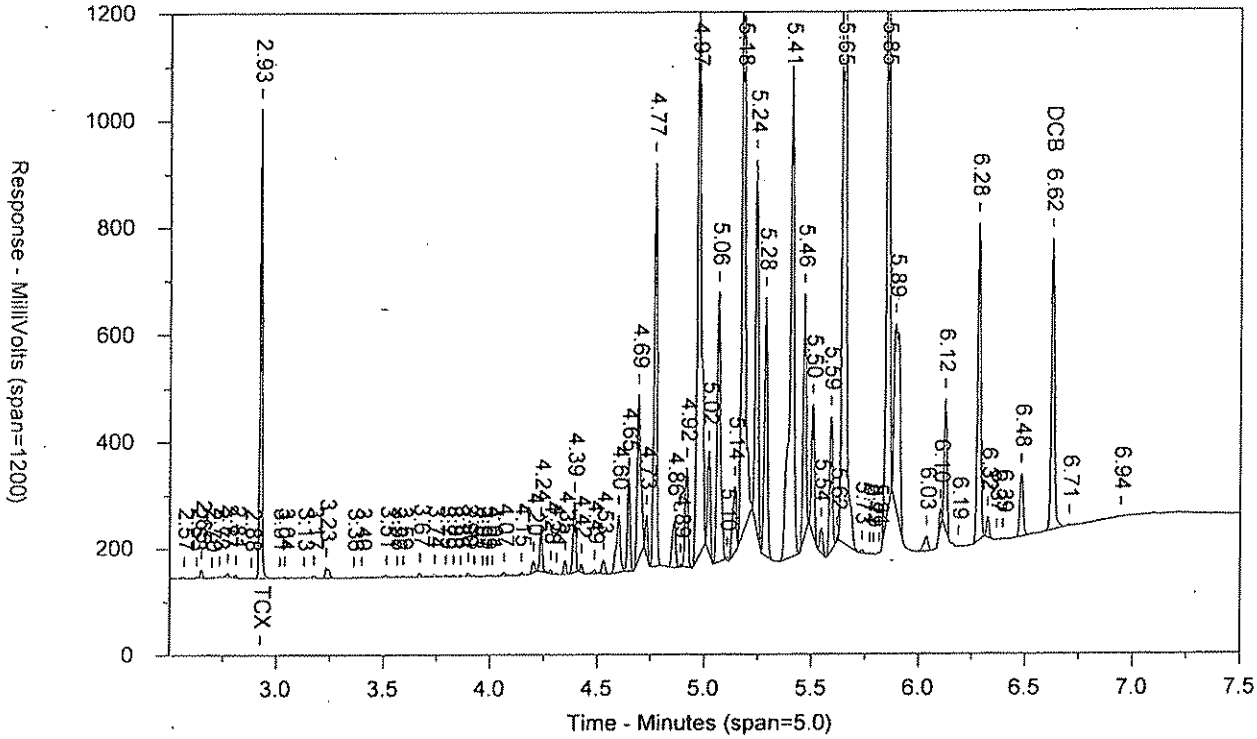

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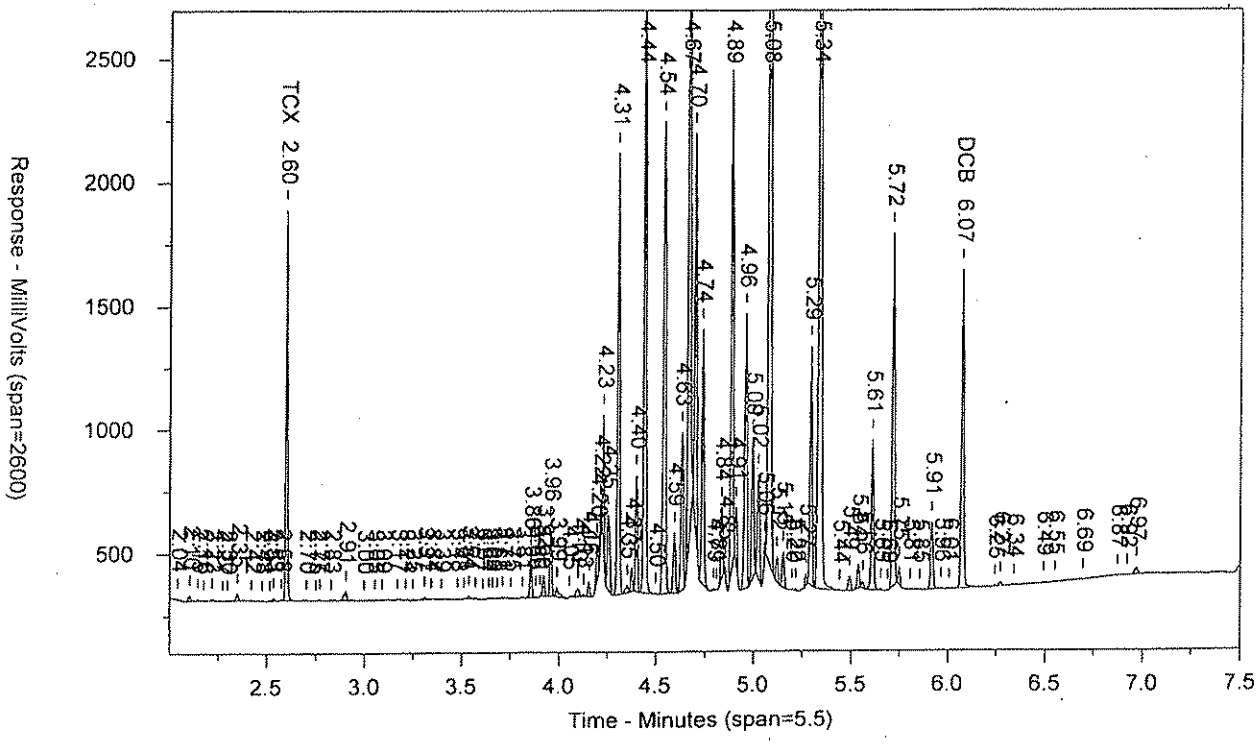

LANCASTER LABORATORIES

Sample Number: 8570350ACF DF5 ACA5109 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:23:33 AM
Sample Weight: 10.22
Dilution Factor: 50
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: 4
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	878804	31.778	TCX	2.599	1575314	31.379	TCX
6.624	544297	39.838	DCB	6.073	1293408	33.263	DCB

Files:
Area File: 25pcbs16207031.0046.RAW
Area File: 25pcbs16207031B.0046.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 4:32:03 AM
File Reported On: 9/12/2016 at 4:32:11 AM

8570350ACF DF5 ACA5109 T 162530010A 10225 SW-846 8082

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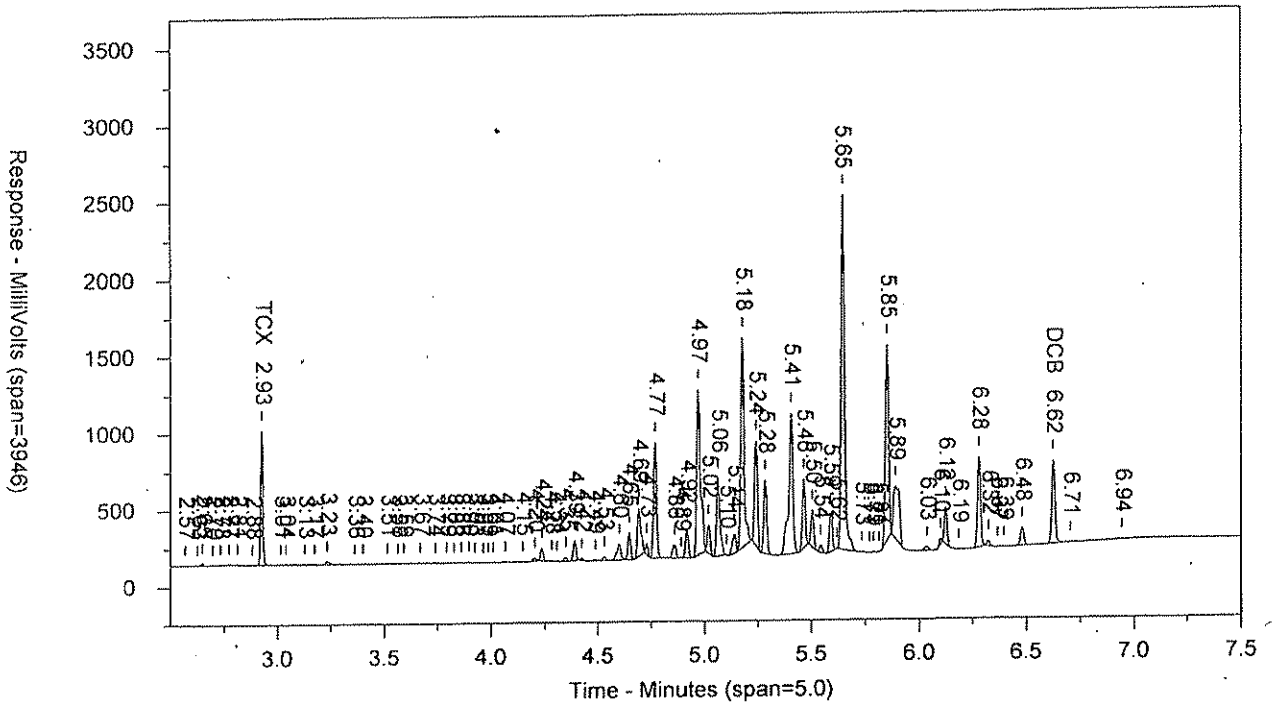

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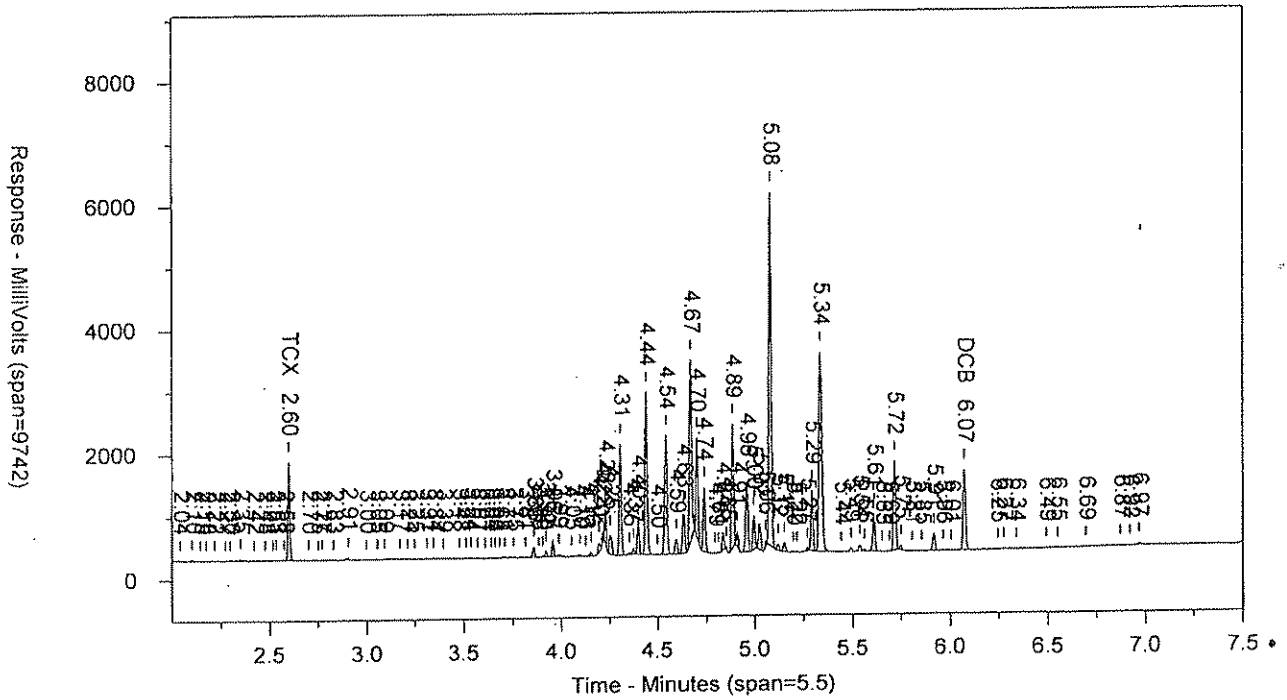

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Data Summary

Sample Name: 8570351 ACF DF50 A5110 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.5 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 04:34:48
Instrument	18274A
Result file	25PCBS16207031.0047.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 129% (46 - 148) Conc: 36.05129
%SSR(DCB) * 23% (49 - 139) Conc: 6.4069

Analysis Report (B)

Injected on	Sep 12, 2016 04:34:48
Instrument	18274B
Result file	25PCBS16207031B.0047.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 109% (46 - 148) Conc: 30.38131
%SSR(DCB) 137% (49 - 139) Conc: 38.16325

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	102429	36.05129
Decachlorobiphenyl	6.60	6.65	6.66	8993	6.4069

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	156703	30.38131
Decachlorobiphenyl	6.05	6.07	6.11	152462	38.16325

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	36.05129				17.07	
☑ Decachlorobiphenyl	A	6.4069			P	142.50	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.76**	
4.76	4.77	4.80	1849462	22122.108702			1
4.96	4.97	5.00	2717009	30034.966975			2
5.23	5.24	5.27	1666652	30267.040384			3
5.40	5.40	5.44	2254460	32721.845603			4
5.64	5.64	5.68	5997872	41707.170005			5
5.84	5.85	5.88	3405879	41531.586054			6

Height summation: **17891334**
Concentration CF: **33064.11962** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**24.58**	
4.29	4.31	4.33	4575574	22442.465037			1
4.43	4.44	4.47	6873274	29783.167159			2
4.53	4.54	4.57	4616170	23984.174229			3
4.88	4.89	4.92	5361391	34951.06227			4
5.07	5.08	5.11	14367530	42255.531748			5
5.33	5.34	5.37	8579218	37656.984265			6

Height summation: **44373157**
Concentration CF: **31845.564118** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2428.5715	<471.4286			4	
☑ PCB-1221			<2428.5715	<728.5715			3	
☑ PCB-1232			<2428.5715	<585.7143			4	
☑ PCB-1242			<2428.5715	<585.7143			4	
☑ PCB-1248			<2428.5715	<471.4286			4	
☑ PCB-1254			<2428.5715	<628.5714			4	
☑ PCB-1260	A	33064.119621	2428.5715	557.1429		3.75	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570351** ACF DF50 A5110 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.5 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:34:48
Instrument : P 25--18274A
Result file : 25PCBS16207031.0047.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 129% (46-148) Conc.: 36.05129
%SSR(DCB) : *23% (49-139) Conc.: 6.4069

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	38.53	
3.17	3.18	3.21	2880.424	59.909001			1
3.39	3.40	3.43	4221.133	89.311705			2
3.51	3.51	3.55	2463.443	42.896986			3
3.73	3.74	3.77	8362.833	128.456961			4
3.79	3.79	3.83	4424.467	79.80618			5
3.98	3.99	4.02	5168.636	120.85598			6
+ 3.98	4.01	4.02	1909.049	44.638467			6
Height Summation:			27520.936				
Amount Avg CF:			86.872802	Linear:			
Aroclor-1221					2	47.47	
3.07	3.10	3.11	533.7281	21.649388			1
3.17	3.18	3.21	2880.424	43.527864			3
Height Summation:			3414.1521				
Amount Avg CF:			32.588626	Linear:			
Aroclor-1232					5	59.17	
3.17	3.18	3.21	2880.424	44.81237			1
3.39	3.40	3.43	4221.133	160.742056			2
3.51	3.51	3.55	2463.443	76.957066			3
3.73	3.74	3.77	8362.833	234.73008			4
3.99	3.99	4.02	5168.636	243.530704			6
+ 3.99	4.01	4.02	1909.049	89.948692			6
Height Summation:			23096.469				
Amount Avg CF:			152.154455	Linear:			
Aroclor-1242					5	43.02	
3.17	3.18	3.21	2880.424	81.979176			1
3.39	3.40	3.43	4221.133	127.523479			2
3.51	3.51	3.55	2463.443	59.859117			3
3.73	3.74	3.77	8362.833	182.349411			4
3.98	3.99	4.02	5168.636	170.5823			6
+ 3.98	4.01	4.02	1909.049	63.005011			6
Height Summation:			23096.469				
Amount Avg CF:			124.458696	Linear:			
Aroclor-1248					5	205.63	
3.79	3.79	3.83	4424.467	140.845845			1
3.85	3.86	3.89	10308.04	194.223783			2
3.98	3.99	4.02	5168.636	85.359101			3
+ 3.98	4.01	4.02	1909.049	31.527603			3
4.25	4.28	4.29	19305.46	370.818462			5
4.64	4.64	4.68	436131.2	11477.041764			6
Height Summation:			475337.803				
Amount Avg CF:			2453.657791	Linear:			
Aroclor-1254					6	132.19	
4.23	4.24	4.27	209093.5	3271.484796			1
4.58	4.60	4.62	240638	3924.258712			2
4.64	4.64	4.68	436131.2	3787.744646			3
E 4.77	4.77	4.81	1849462	49503.37287			4
4.86	4.86	4.90	210950	2880.622463			5
+ 4.86	4.89	4.90	15193.21	207.4705			5
5.06	5.06	5.10	1332150	21997.634708			6
Height Summation:			4278424.7				
Amount Avg CF:			14227.519699	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 04:34:48
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0047.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 169% (46-148) Conc.: 30.38131
%SSR(DCB) : 137% (49-139) Conc.: 38.16325

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	159.82	
2.87	2.91	2.91	93573.64	1106.597264			1
3.19	3.21	3.23	7235.527	69.129782			2
3.39	3.41	3.43	6534.333	58.398912			3
3.46	3.48	3.50	10738.31	93.381241			4
3.63	3.64	3.67	14952.65	153.00279			5
+ 3.63	3.66	3.67	5123.919	52.430432			5
3.72	3.73	3.76	6806.282	81.064083			6
+ 3.72	3.75	3.76	4645.33	55.326743			6
Height Summation:			139840.742				
Amount Avg CF:			260.262346	Linear:			
Aroclor-1221					3	108.65	
2.75	2.77	2.79	9821.274	208.133312			1
2.81	2.83	2.85	1767.319	58.775333			2
2.87	2.91	2.91	93573.64	772.493881			3
Height Summation:			105162.233				
Amount Avg CF:			346.467509	Linear:			
Aroclor-1232					6	92.34	
2.87	2.91	2.91	93573.64	788.788794			1
3.20	3.21	3.24	7235.527	127.721634			2
3.39	3.41	3.43	6534.333	108.21124			3
3.47	3.48	3.51	10738.31	181.250698			4
3.63	3.64	3.67	14952.65	322.514303			5
+ 3.63	3.66	3.67	5123.919	110.518013			5
3.72	3.73	3.76	6806.282	159.84606			6
+ 3.72	3.75	3.76	4645.33	109.095935			6
Height Summation:			139840.742				
Amount Avg CF:			281.388788	Linear:			
Aroclor-1242					6	158.40	
2.87	2.91	2.91	93573.64	1501.886715			1
3.20	3.21	3.24	7235.527	93.826802			2
3.39	3.41	3.43	6534.333	80.322964			3
3.47	3.48	3.51	10738.31	136.346766			4
3.63	3.64	3.67	14952.65	211.3441			5
+ 3.63	3.66	3.67	5123.919	72.422617			5
3.72	3.73	3.76	6806.282	110.416432			6
+ 3.72	3.75	3.76	4645.33	75.359905			6
Height Summation:			139840.742				
Amount Avg CF:			355.69063	Linear:			
Aroclor-1248					6	143.79	
+ 3.50	3.51	3.54	18873.8	167.791312			1
3.50	3.54	3.54	31275.53	278.044813			1
3.63	3.64	3.67	14952.65	109.943027			2
+ 3.63	3.66	3.67	5123.919	37.674871			2
3.72	3.73	3.76	6806.282	68.574039			3
+ 3.72	3.75	3.76	4645.33	46.80221			3
3.85	3.86	3.89	465557.7	2467.925174			4
+ 3.85	3.88	3.89	20915.78	110.874721			4
+ 4.21	4.21	4.25	372006	4373.061033			5
4.21	4.23	4.25	1282682	15078.376885			5
+ 4.37	4.37	4.40	294728.3	5780.184949			6
4.37	4.40	4.40	1175357	23050.99592			6
Height Summation:			2976631.162				
Amount Avg CF:			6842.309977	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570351** ACF DF50 A5110 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.5 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 04:34:48
Instrument : P 25--18274A
Result file : 25PCBS16207031.0047.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	22.76	
4.76	4.77	4.80	1849462	22122.108702			1
4.96	4.97	5.00	2717009	30034.966975			2
5.23	5.24	5.27	1666652	30267.040384			3
5.40	5.40	5.44	2254460	32721.845603			4
5.64	5.64	5.68	5997872	41707.170005			5
5.84	5.85	5.88	3405879	41581.586054			6
Height Summation:			17891334				
Amount Avg CF:			33064.119621	Linear:			
Aroclor-1262					5	25.15	
E 5.23	5.24	5.27	1666652	16906.182037			1
E 5.40	5.40	5.44	2254460	26236.45335			2
E 5.64	5.64	5.68	5997872	30609.614089			3
E 5.84	5.85	5.88	3405879	30359.161822			4
E 6.28	6.28	6.32	1372115	19691.485259			6
Height Summation:			14696978				
Amount Avg CF:			24760.579311	Linear:			
Aroclor-1268					4	69.08	
E 5.84	5.85	5.88	3405879	14938.902171			1
6.03	6.03	6.07	55004.45	297.808953			3
+ 6.10	6.10	6.14	75820.76	1480.965477			4
E 6.10	6.12	6.14	565225.4	11040.238905			4
E 6.28	6.28	6.32	1372115	17338.538755			5
Height Summation:			5398223.85				
Amount Avg CF:			10903.872196	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 04:34:48
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0047.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	129.95	
4.15	4.15	4.19	204062.6	1327.345449			1
+ 4.21	4.21	4.25	372006	1391.666116			2
4.21	4.23	4.25	1282682	4798.48464			2
4.30	4.31	4.34	4575574	36329.649042			3
+ 4.37	4.37	4.41	294728.3	1734.47872			4
4.37	4.40	4.41	1175357	6916.98661			4
E 4.43	4.44	4.47	6873274	67450.625029			5
4.58	4.59	4.62	610533.5	5143.270348			6
Height Summation:			14721483.1				
Amount Avg CF:			20327.726853	Linear:			
Aroclor-1260					6	24.58	
4.29	4.31	4.33	4575574	22442.465037			1
4.43	4.44	4.47	6873274	29783.167159			2
4.53	4.54	4.57	4616170	23984.174229			3
4.88	4.89	4.92	5361391	34951.06227			4
+ 4.88	4.91	4.92	628454.7	4096.914281			4
5.07	5.08	5.11	14367530	42255.531748			5
5.33	5.34	5.37	8579218	37656.984265			6
Height Summation:			44373157				
Amount Avg CF:			31845.564118	Linear:			
Aroclor-1262					6	32.64	
E 4.69	4.70	4.73	3916746	15000.409311			1
E 4.88	4.89	4.92	5361391	20123.198969			2
+ 4.88	4.91	4.92	628454.7	2358.813034			2
E 5.07	5.08	5.11	14367530	29383.552056			3
E 5.28	5.29	5.32	2288051	11350.357895			4
E 5.33	5.34	5.37	8579218	25713.089257			5
E 5.71	5.72	5.75	3652131	20373.040874			6
Height Summation:			38165067				
Amount Avg CF:			20323.941394	Linear:			
Aroclor-1268					6	127.20	
5.29	5.29	5.33	2288051	3815.274942			1
E 5.33	5.34	5.37	8579218	14778.614818			2
5.49	5.49	5.53	124341.7	244.427281			3
5.55	5.56	5.59	57498.84	470.688548			4
+ 5.55	5.58	5.59	13294.96	108.833246			4
E 5.71	5.72	5.75	3652131	17748.012532			5
+ 5.71	5.75	5.75	181075.1	879.958343			5
5.91	5.92	5.95	634241.9	374.819679			6
Height Summation:			15335482.44				
Amount Avg CF:			6238.639633	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2428.5715	471.4286		** 99.90	4	40	
Aroclor-1221			2428.5715	728.5715		** 165.61	3	5	
Aroclor-1232			2428.5715	585.7143		** 59.62	4	10	
Aroclor-1242			2428.5715	585.7143		** 96.32	4	30	
Aroclor-1248			2428.5715	471.4286		** 94.42	4	40	
Aroclor-1254			2428.5715	628.5714	E	35.31	4	40	
Aroclor-1260			2428.5715	557.1429		3.75	4	40	
Aroclor-1262			2428.5715	471.4286	E	19.68	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570351** ACF DF50 A5110 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.5 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 04:34:48
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0047.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 04:34:48
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0047.RAW
Calibration file	: 25PCBS1620701B.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			2428.5715	471.4286	E	** 54.43	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570351ACF DF50 ACA5110 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:34:48 AM 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: 25pcbs16207031.0047.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.037		9952	12125
2.088		9722	10690
2.134		3579	4077
2.197		69232	51962
2.282		2675	1608
2.309		8352	6154
2.381		8214	8996
2.424		4880	3512
2.49		4924	6489
2.565		2017	3580
2.627		8115	4760
2.648		44753	28667
2.705		2027	2248
2.763		3098	5332
2.801		2668	3303
2.883		1404	1205
2.925	TCX	102429	70331
3.039		6573	4257
3.097		534	1277
3.183		2880	4612
3.245		56980	74668
3.4		4221	6384
3.495		1316	2284
3.513		2463	1645
3.563		2137	2365
3.591		4289	2842
3.625		1218	1533
3.669		2316	1489
3.697		3023	3226
3.736		8363	7125
3.791		4424	6064
3.86		10308	7862
3.895		15938	13457
3.925		3692	3404
3.962		2120	1268
3.986		5169	3406
4.008		1909	1463
4.04		3082	1969
4.065		10863	13800
4.114		1720	1583
4.146		6129	5742
4.2		22220	19146
4.235		209094	188818
4.279		19305	14817
4.307		1643	1023
4.347		68000	57718
4.39		319862	299241
4.424		49362	37698
4.464		4645	3222
4.488		12142	9390
4.529		72212	73692
4.599		240638	344893
4.644		436131	393699
4.69		724610	818304

RT A	Compound A	Height A	Area A
4.728		172628	133296
4.767		1849462	1724349
4.816		12478	12845
4.859		210950	259595
4.888		15193	8605
4.915		423100	401162
4.968		2717009	3241854
5.017		435320	387674
5.062		1332150	1412784
5.103		22597	12702
5.141		279141	330359
5.177		3532904	3710157
5.24		1666652	1530653
5.282		1165710	1129602
5.338		7585	5695
5.404		2254460	2972912
5.463		1049654	971161
5.503		559844	507472
5.543		106070	106556
5.588		626112	576210
5.616		25551	13647
5.645		5997873	6120664
5.733		10794	10883
5.764		5932	4432
5.787		5649	3300
5.852		3405879	3396676
5.89		815737	1624225
6.034		55004	91054
6.1		75821	58522
6.123		565225	515220
6.191		3102	2832
6.248		2393	1845
6.28		1372115	1414830
6.325		89871	86431
6.392		3698	4343
6.48		266696	279073
6.626		67888	62499
6.654	DCB	8993	7549
6.705		6501	6784
6.894		3745	9927
6.939		1666	2526

LANCASTER LABORATORIES

Sample Number: 8570351ACF DF50 ACA5110 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:34:48 AM 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: 25pcbs16207031B.0047.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.101		11984	13363
2.145		7632	7603
2.219		6730	6189
2.264		2076	1805
2.298		6922	6564
2.35		76826	64196
2.404		2029	1081
2.449		2743	2120
2.477		3544	2959
2.522		1421	1850
2.576		3401	2348
2.599	TCX	156703	89356
2.7		4547	8452
2.735		1781	2162
2.77		9821	5270
2.795		1629	1631
2.829		1767	1320
2.905		93574	101139
2.998		1289	1648
3.053		2374	2329
3.09		5673	9429
3.187		3616	2571
3.213		7236	11161
3.248		14222	12754
3.309		3193	5656
3.339		4182	2667
3.369		5710	5345
3.411		6534	8120
3.477		10738	10421
3.512		18874	10032
3.535		31276	20389
3.569		5584	6464
3.639		14953	12956
3.66		5124	2854
3.681		5743	3712
3.71		17662	9503
3.727		6806	3621
3.753		4645	5853
3.814		15472	16290
3.857		465558	312688
3.883		20916	11436
3.902		15364	7760
3.921		166428	107049
3.956		745190	494687
3.987		102635	58189
4.004		37530	28537
4.065		22581	26559
4.098		102981	94904
4.127		19070	17037
4.155		204063	134141
4.197		357601	223424
4.215		372006	172925
4.228		1282682	707784
4.253		708461	698431

RT B	Compound B	Height B	Area B
4.305		4575575	3324537
4.352		79503	76802
4.374		294728	180229
4.398		1175357	835476
4.44		6873274	5070622
4.494		7819	5954
4.542		4616170	4401801
4.594		610534	500464
4.632		1491107	1261541
4.667		7693504	6110455
4.7		3916747	2620628
4.738		2673878	2059688
4.794		9437	4963
4.836		815745	837259
4.886		5361391	3844579
4.909		628455	372922
4.959		2751430	2315936
4.995		1393083	1051177
5.024		1024487	810038
5.056		231162	127464
5.078		14367530	11565630
5.12		256156	182188
5.151		358126	284287
5.197		9818	7380
5.216		15060	9159
5.269		101912	66483
5.293		2288051	1811454
5.336		8579218	9098588
5.442		7444	8785
5.492		124342	102141
5.537		243215	193672
5.561		57499	35568
5.583		13295	6781
5.609		1450521	1174900
5.654		11245	9344
5.69		2490	1602
5.716		3652131	2846686
5.747		181075	131723
5.829		4905	3823
5.915		634242	521854
6		2744	2708
6.034		1438	940
6.074	DCB	152462	134987
6.109		3801	4145
6.175		1316	940
6.204		1685	1425
6.246		10101	7498
6.274		27009	23580
6.338		3909	4138
6.439		1483	1940
6.493		1908	1865
6.516		3018	2537
6.551		3317	2797
6.766		1380	2061
6.844		2051	2517
6.877		2344	2596
6.913		2466	2776
6.969		7282	7361

8570351ACF DF50 ACA5110 T 162530010A 10225 SW-846 8082

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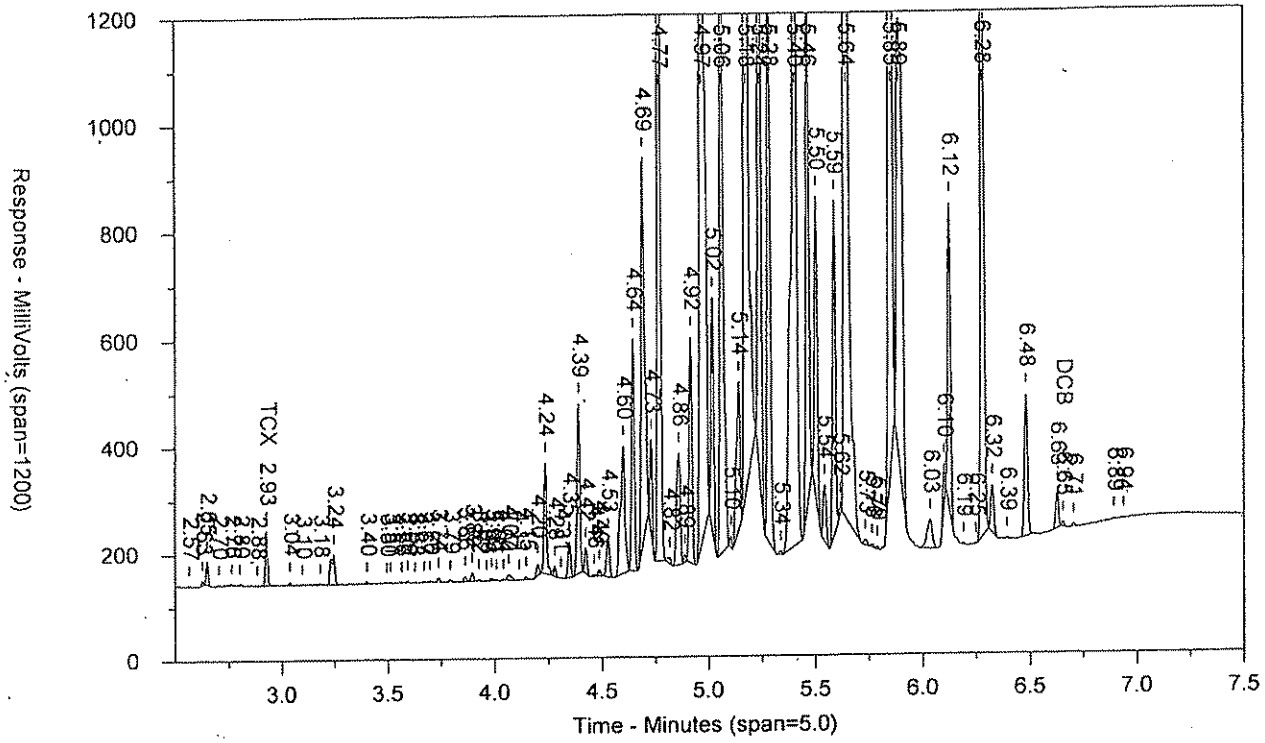

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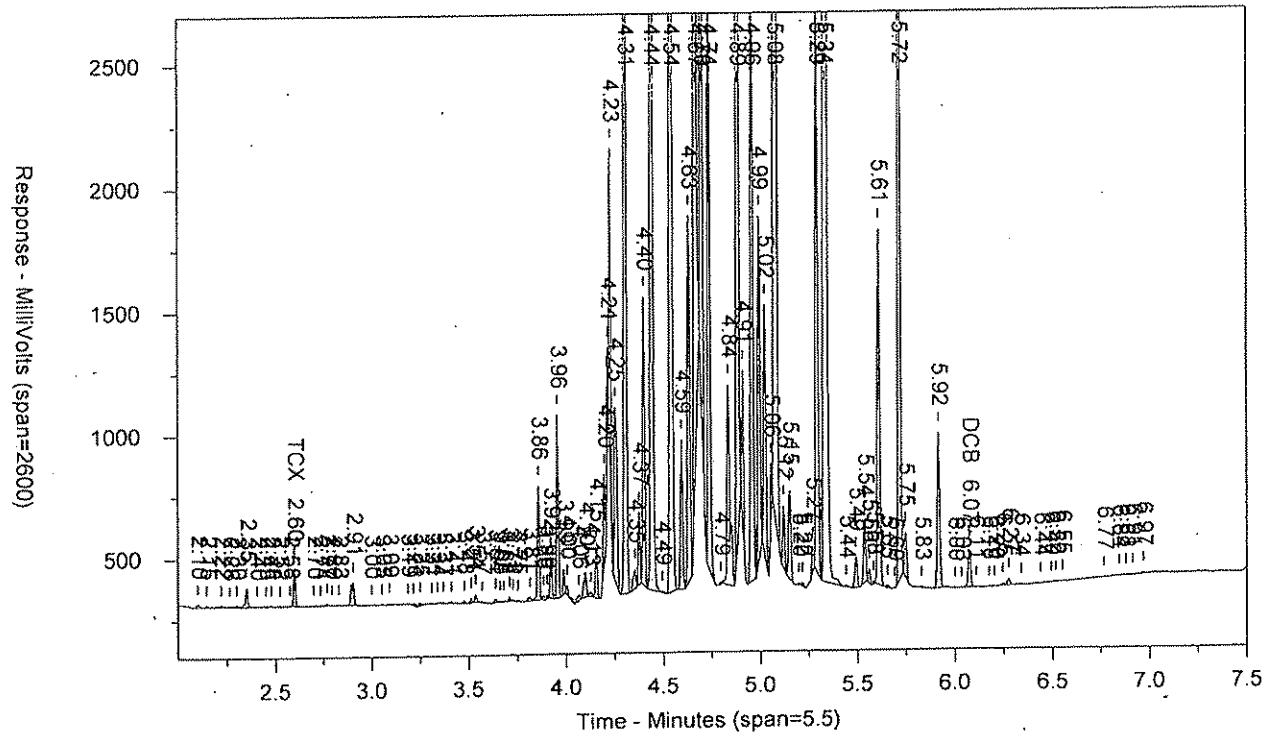

LANCASTER LABORATORIES

Sample Number: 8570351ACF DF50 ACA5110 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 4:34:48 AM
Sample Weight: 10.5
Dilution Factor: 500
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: 4
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	102429	36.051	TCX	2.599	156703	30.381	TCX
6.654	8993	6.407	DCB	6.074	152462	38.163	DCB

Files:
Area File: 25pcbs16207031.0047.RAW
Area File: 25pcbs16207031B.0047.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 4:43:20 AM
File Reported On: 9/12/2016 at 4:43:33 AM

8570351ACF DF50 ACA5110 T 162530010A 10225 SW-846 8082

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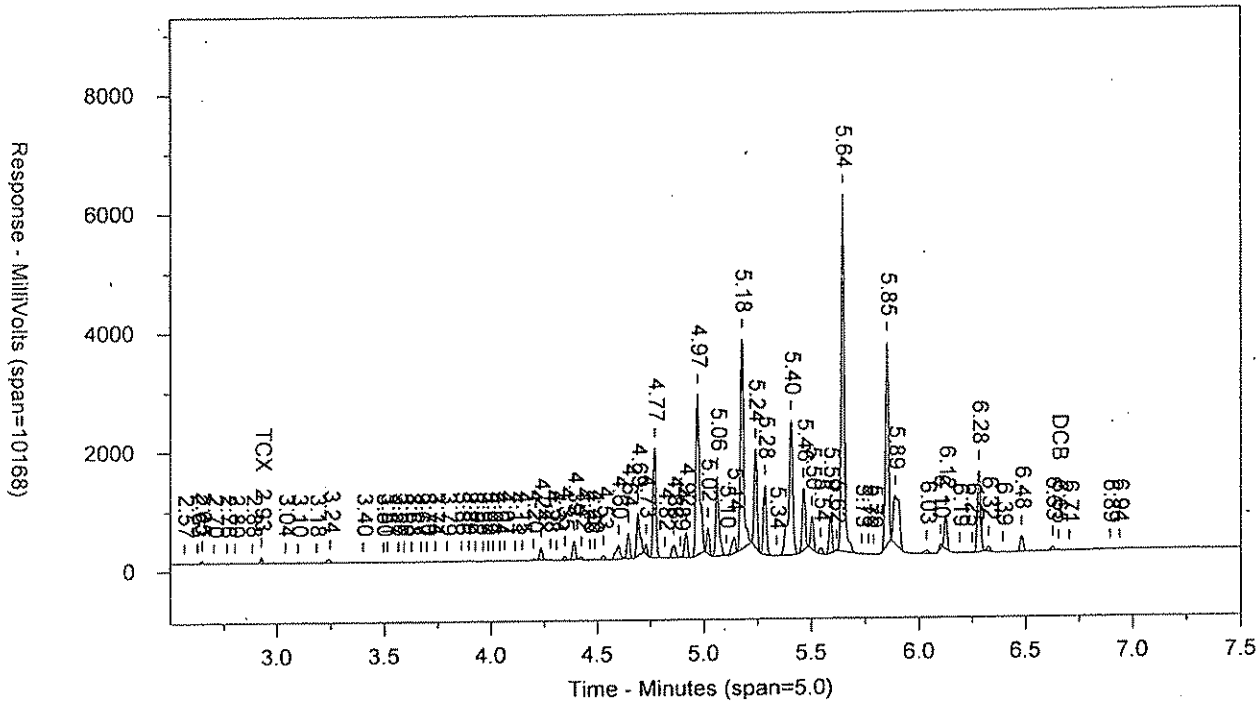

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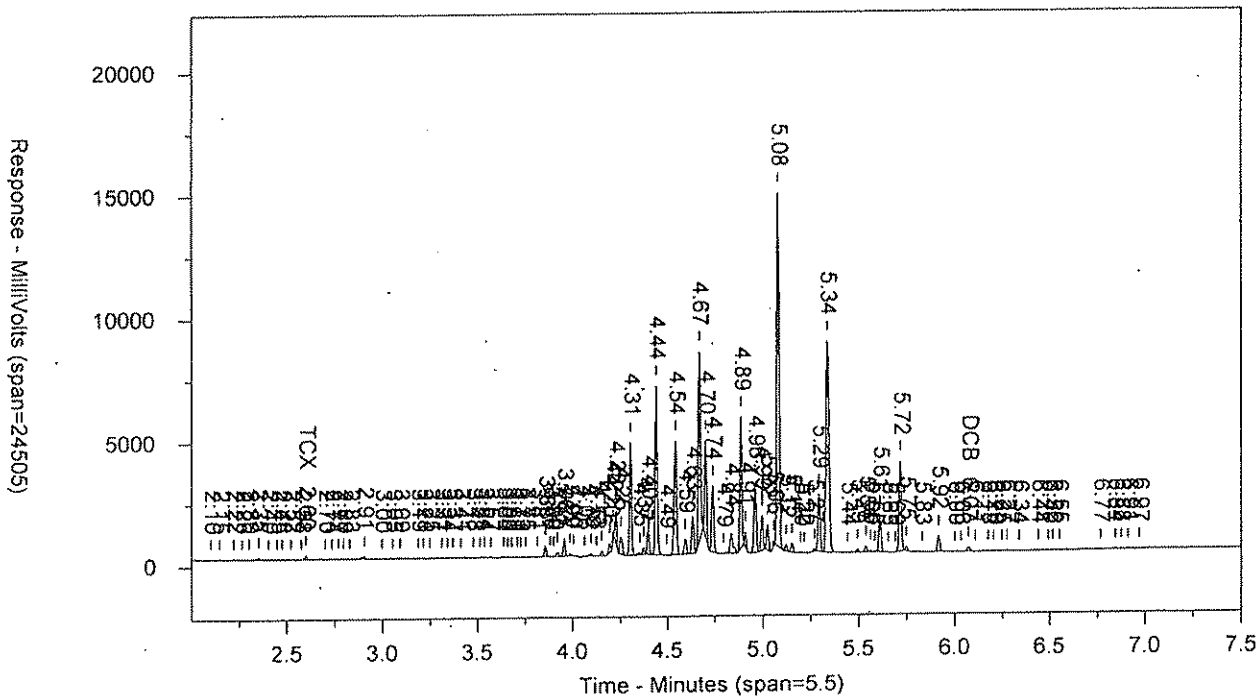

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Data Summary

Sample Name: 8570352 ACF DF50 A5111 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 05:19:56
Instrument	18274A
Result file	25PCBS16207031.0051.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 105% (46 - 148) Conc: 30.66716
%SSR(DCB) * 23% (49 - 139) Conc: 6.811071

Analysis Report (B)

Injected on	Sep 12, 2016 05:19:56
Instrument	18274B
Result file	25PCBS16207031B.0051.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 88% (46 - 148) Conc: 25.79817
%SSR(DCB) 115% (49 - 139) Conc: 33.42145

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	83231	30.66716
Decachlorobiphenyl	6.60	6.65	6.66	9133	6.811071

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	127107	25.79817
Decachlorobiphenyl	6.05	6.07	6.11	127542	33.42145

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	30.66716				17.25	
☑ Decachlorobiphenyl	A	6.811071			P	132.28	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.83**	
4.76	4.77	4.80	1891301	23682.640786			1
4.96	4.97	5.00	2725031	31535.222168			2
5.23	5.24	5.27	1731894	32925.676139			3
5.40	5.41	5.44	2377932	36131.255616			4
5.64	5.64	5.68	6307272	45913.822961			5
5.84	5.85	5.88	3380626	43155.365109			6

Height summation: **18414056**
Concentration CF: **35557.330463** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**24.68**	
4.29	4.31	4.33	4752150	24400.767137			1
4.43	4.44	4.47	7064962	32048.331049			2
4.53	4.54	4.57	4962938	26994.183261			3
4.88	4.89	4.92	5409976	36920.417496			4
5.07	5.08	5.11	15181790	46742.593401			5
5.33	5.34	5.37	9019077	41442.724059			6

Height summation: **46390893**
Concentration CF: **34758.169401** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2542.3729	<493.5194			4	
☑ PCB-1221			<2542.3729	<762.7119			3	
☑ PCB-1232			<2542.3729	<613.1605			4	
☑ PCB-1242			<2542.3729	<613.1605			4	
☑ PCB-1248			<2542.3729	<493.5194			4	
☑ PCB-1254			<2542.3729	<658.0259			4	
☑ PCB-1260	A	35557.330463	2542.3729	583.2502		2.27	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570352** ACF DF50 A5111 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 05:19:56
Instrument : P 25--18274A
Result file : 25PCBS16207031.0051.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 105% (46-148) Conc.: 30.66716
%SSR(DCB) : *23% (49-139) Conc.: 6.811071

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	34.78	
3.17	3.17	3.21	3335.384	72.622277			1
3.39	3.40	3.43	4272.049	94.624573			2
3.51	3.51	3.55	2458.766	44.821855			3
3.73	3.74	3.77	8410.043	135.235528			4
3.79	3.79	3.83	4183.284	78.991667			5
+ 3.79	3.82	3.83	1689.163	31.895946			5
3.98	3.99	4.02	4282.382	104.825265			6
Height Summation:			26941.908				
Amount Avg CF:			88.520194	Linear:			
Aroclor-1221					2	22.13	
3.07	3.09	3.11	906.3828	38.488021			1
3.17	3.17	3.21	3335.384	52.764903			3
Height Summation:			4241.7668				
Amount Avg CF:			45.626462	Linear:			
Aroclor-1232					6	60.92	
3.17	3.17	3.21	3335.384	54.321994			1
3.39	3.40	3.43	4272.049	170.304088			2
3.51	3.51	3.55	2458.766	80.410275			3
3.73	3.74	3.77	8410.043	247.116591			4
3.79	3.82	3.83	1689.163	59.005268			5
3.99	3.99	4.02	4282.382	211.228029			6
Height Summation:			24447.787				
Amount Avg CF:			137.064374	Linear:			
Aroclor-1242					6	48.76	
3.17	3.17	3.21	3335.384	99.375959			1
3.39	3.40	3.43	4272.049	135.109444			2
3.51	3.51	3.55	2458.766	62.545109			3
3.73	3.74	3.77	8410.043	191.971838			4
3.79	3.82	3.83	1689.163	44.671015			5
3.98	3.99	4.02	4282.382	147.955729			6
Height Summation:			24447.787				
Amount Avg CF:			113.604849	Linear:			
Aroclor-1248					5	206.01	
3.79	3.79	3.83	4183.284	139.408352			1
+ 3.79	3.82	3.83	1689.163	56.291524			1
3.85	3.86	3.89	9161.932	180.718138			2
3.98	3.99	4.02	4282.382	74.036803			3
4.25	4.28	4.29	18534.42	372.690704			5
4.64	4.65	4.68	413095.6	11380.24838			6
Height Summation:			449257.618				
Amount Avg CF:			2429.420475	Linear:			
Aroclor-1254					6	135.23	
4.23	4.24	4.27	199047	3260.231029			1
4.58	4.60	4.62	246734.5	4212.226027			2
4.64	4.65	4.68	413095.6	3755.800123			3
E 4.77	4.77	4.81	1891301	52995.427025			4
4.86	4.86	4.90	207954.2	2972.780719			5
+ 4.86	4.89	4.90	14437.64	206.391301			5
5.06	5.06	5.10	1267378	21908.739267			6
Height Summation:			4225510.3				
Amount Avg CF:			14850.867365	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 05:19:56
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0051.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 88% (46-148) Conc.: 25.79817
%SSR(DCB) : 115% (49-139) Conc.: 33.42145

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	152.63	
+ 2.87	2.90	2.91	42033.88	520.383975			1
2.87	2.91	2.91	71714.41	887.832143			1
3.19	3.21	3.23	4970.757	49.717115			2
3.39	3.41	3.43	6612.25	61.864446			3
3.46	3.48	3.50	10385.76	94.547566			4
3.63	3.64	3.67	12600.42	134.975384			5
+ 3.63	3.66	3.67	6150.626	65.885352			5
3.72	3.73	3.76	5576.802	69.533186			6
Height Summation:			111860.399				
Amount Avg CF:			216.41164	Linear:			
Aroclor-1221					3	94.18	
+ 2.75	2.75	2.79	1345.989	29.860952			1
2.75	2.77	2.79	10997.37	243.97817			1
2.81	2.83	2.85	1544.32	53.765763			2
+ 2.87	2.90	2.91	42033.88	363.269863			3
2.87	2.91	2.91	71714.41	619.778234			3
Height Summation:			84256.1				
Amount Avg CF:			305.840722	Linear:			
Aroclor-1232					6	84.67	
+ 2.87	2.90	2.91	42033.88	370.932644			1
2.87	2.91	2.91	71714.41	632.851778			1
3.20	3.21	3.24	4970.757	91.855507			2
3.39	3.41	3.43	6612.25	114.632758			3
3.47	3.48	3.51	10385.76	183.514506			4
3.63	3.64	3.67	12600.42	284.514365			5
+ 3.63	3.66	3.67	6150.626	138.879613			5
3.72	3.73	3.76	5576.802	137.108882			6
Height Summation:			111860.399				
Amount Avg CF:			240.746299	Linear:			
Aroclor-1242					6	151.05	
+ 2.87	2.90	2.91	42033.88	706.271201			1
2.87	2.91	2.91	71714.41	1204.976141			1
3.20	3.21	3.24	4970.757	67.478845			2
3.39	3.41	3.43	6612.25	85.089525			3
3.47	3.48	3.51	10385.76	138.049728			4
3.63	3.64	3.67	12600.42	186.442684			5
+ 3.63	3.66	3.67	6150.626	91.008016			5
3.72	3.73	3.76	5576.802	94.710333			6
Height Summation:			111860.399				
Amount Avg CF:			296.124543	Linear:			
Aroclor-1248					6	144.55	
+ 3.50	3.51	3.54	17144.71	159.561691			1
3.50	3.54	3.54	32016.29	297.967908			1
3.63	3.64	3.67	12600.42	96.989096			2
+ 3.63	3.66	3.67	6150.626	47.343156			2
3.72	3.73	3.76	5576.802	58.819778			3
3.85	3.86	3.89	434535.3	2411.414693			4
+ 3.85	3.88	3.89	19827.57	110.031322			4
+ 4.21	4.22	4.25	350617.5	4314.768991			5
4.21	4.23	4.25	1388438	17086.395368			5
+ 4.37	4.37	4.40	241569.7	4959.646484			6
4.37	4.40	4.40	1219225	25031.802349			6
Height Summation:			3092391.812				
Amount Avg CF:			7497.231532	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570352** ACF DF50 A5111 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 05:19:56
Instrument : P 25--18274A
Result file : 25PCBS16207031.0051.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	22.83	
4.76	4.77	4.80	1891301	23682.640786			1
4.96	4.97	5.00	2725031	31535.222168			2
5.23	5.24	5.27	1731894	32925.676139			3
5.40	5.41	5.44	2377932	36131.255616			4
5.64	5.64	5.68	6307272	45913.822961			5
5.84	5.85	5.88	3380626	43155.365109			6
Height Summation:			**18414056**				
Amount Avg CF:			**35557.330463**	Linear:			
Aroclor-1262					5	24.14	
E 5.23	5.24	5.27	1731894	18391.209296			1
E 5.40	5.41	5.44	2377932	28970.126378			2
E 5.64	5.64	5.68	6307272	33696.949518			3
E 5.84	5.85	5.88	3380626	31546.127594			4
E 6.28	6.28	6.32	1461653	21959.407143			6
Height Summation:			**15259377**				
Amount Avg CF:			**26912.763986**	Linear:			
Aroclor-1268					4	69.90	
E 5.84	5.85	5.88	3380626	15522.975133			1
6.03	6.03	6.07	60632.48	343.663669			3
+ 6.10	6.10	6.14	78558.75	1606.348352			4
E 6.10	6.12	6.14	574172.8	11740.532163			4
E 6.28	6.28	6.32	1461653	19335.465395			5
Height Summation:			**5477084.28**				
Amount Avg CF:			**11735.65909**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 05:19:56
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0051.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	130.04	
4.15	4.16	4.19	175071.4	1192.131381			1
+ 4.21	4.22	4.25	350617.5	1373.115481			2
4.21	4.23	4.25	1388438	5437.508715			2
4.30	4.31	4.34	4752150	39499.729863			3
+ 4.37	4.37	4.41	241569.7	1488.257099			4
4.37	4.40	4.41	1219225	7511.373577			4
E 4.43	4.44	4.47	7064962	72580.593894			5
4.58	4.59	4.62	598560.4	5278.690526			6
Height Summation:			**15198406.8**				
Amount Avg CF:			**21916.671326**	Linear:			
Aroclor-1260					6	24.68	
4.29	4.31	4.33	4752150	24400.767137			1
4.43	4.44	4.47	7064962	32048.331049			2
4.53	4.54	4.57	4962938	26994.183261			3
4.88	4.89	4.92	5409976	36920.417496			4
+ 4.88	4.91	4.92	590605.8	4030.593243			4
5.07	5.08	5.11	15181790	46742.593401			5
5.33	5.34	5.37	9019077	41442.724059			6
Height Summation:			**46390893**				
Amount Avg CF:			**34758.1694**	Linear:			
Aroclor-1262					6	33.04	
E 4.69	4.70	4.73	4242426	17009.061165			1
E 4.88	4.89	4.92	5409976	21257.062276			2
+ 4.88	4.91	4.92	590605.8	2320.62846			2
E 5.07	5.08	5.11	15181790	32503.75441			3
E 5.28	5.29	5.32	2350573	12206.91624			4
E 5.33	5.34	5.37	9019077	28298.082908			5
E 5.71	5.72	5.75	3838184	22414.221851			6
Height Summation:			**40042026**				
Amount Avg CF:			**22281.516475**	Linear:			
Aroclor-1268					6	127.67	
5.29	5.29	5.33	2350573	4103.19587			1
E 5.33	5.34	5.37	9019077	16264.341604			2
5.49	5.49	5.53	130058.6	267.645728			3
5.55	5.56	5.59	59729.3	511.858995			4
+ 5.55	5.58	5.59	12605.52	108.024852			4
E 5.71	5.72	5.75	3838184	19526.191146			5
+ 5.71	5.75	5.75	192069	977.122516			5
5.91	5.91	5.95	649038.8	401.537843			6
Height Summation:			**16046660.7**				
Amount Avg CF:			**6845.795198**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2542.3729	493.5194		** 83.88	4	40	
Aroclor-1221			2542.3729	762.7119		** 148.07	3	5	
Aroclor-1232			2542.3729	613.1605		** 54.89	4	10	
Aroclor-1242			2542.3729	613.1605		** 89.09	4	30	
Aroclor-1248			2542.3729	493.5194		** 102.11	4	40	
Aroclor-1254			2542.3729	658.0259	E	38.44	4	40	
Aroclor-1260			2542.3729	583.2502		2.27	4	40	
Aroclor-1262			2542.3729	493.5194	E	18.83	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570352** ACF DF50 A5111 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 05:19:56
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0051.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 05:19:56
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0051.RAW
Calibration file	: 25PCBS1620701B.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			2542.3729	493.5194	E	** 52.63	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570352ACF DF50 ACA5111 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 5:19:56 AM 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: 25pcbs16207031.0051.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.007		3353	2374
2.037		10858	10877
2.089		11872	15986
2.136		6755	7480
2.197		87180	61610
2.283		3099	2058
2.309		8706	6679
2.381		14440	13971
2.424		4220	2810
2.491		5069	6621
2.561		2281	4353
2.627		9358	5410
2.648		48361	30808
2.707		1279	1839
2.762		3685	5935
2.801		3052	3916
2.882		1372	1147
2.925	TCX	83231	59171
3.038		8092	5299
3.092		906	2404
3.175		3335	5051
3.232		59756	80402
3.324		1287	1262
3.4		4272	6342
3.482		856	1118
3.514		2459	1769
3.561		2229	2741
3.591		4259	2831
3.669		2389	1275
3.697		3239	3607
3.737		8410	7819
3.791		4183	3621
3.821		1689	1879
3.861		9162	6782
3.896		16494	13555
3.926		2971	3105
3.964		2369	1516
3.986		4282	2743
4.041		3074	2042
4.066		11101	13492
4.115		2027	1900
4.147		5883	5079
4.201		20329	17757
4.236		199047	175551
4.281		18534	13659
4.348		63623	52767
4.391		286346	266876
4.425		41567	32165
4.465		4670	3287
4.488		11285	8624
4.529		70644	70564
4.598		246735	335006
4.646		413096	372398
4.69		720095	838264

RT A	Compound A	Height A	Area A
4.728		178619	131477
4.768		1891301	1757172
4.806		7379	12260
4.859		207954	245550
4.889		14438	8386
4.915		425911	416005
4.969		2725031	3263265
5.018		453044	399637
5.063		1267378	1426766
5.104		19232	11324
5.141		284929	342030
5.177		3502293	3769735
5.24		1731895	1587518
5.283		1172249	1163705
5.336		6645	4875
5.405		2377932	3046124
5.463		1070240	986879
5.503		578564	526116
5.543		111710	104706
5.589		610226	581811
5.617		24074	12175
5.645		6307273	6326574
5.733		11290	12490
5.767		4567	2627
5.788		8089	5364
5.852		3380626	3486821
5.89		837641	1662394
6.034		60632	95729
6.1		78559	61605
6.124		574173	527787
6.187		2887	3563
6.245		3029	2426
6.281		1461653	1464483
6.326		94216	91297
6.393		5125	6318
6.481		283868	302957
6.626		54519	50760
6.653	DCB	9133	8296
6.706		5966	5834
6.742		873	867
6.901		2110	9393
6.935		2060	1929

LANCASTER LABORATORIES

Sample Number: 8570352ACF DF50 ACA5111 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 5:19:56 AM 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: 25pcbs16207031B.0051.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.1		12409	13015
2.145		16902	13358
2.218		8077	8931
2.267		2017	1923
2.297		7272	7069
2.35		83526	65025
2.455		1682	2244
2.477		4912	3577
2.524		1376	1380
2.578		3384	2905
2.599	TCX	127107	71976
2.701		3772	6262
2.754		1346	1320
2.77		10997	5748
2.83		1544	1366
2.895		42034	18487
2.906		71714	28116
2.997		891	782
3.018		1822	1591
3.054		1571	1635
3.09		5176	8620
3.188		3883	2915
3.214		4971	7113
3.249		10740	8188
3.296		1436	1078
3.311		3508	2176
3.34		2459	1826
3.37		5978	6221
3.411		6612	8454
3.477		10386	8978
3.512		17145	9571
3.536		32016	21423
3.569		5917	6815
3.639		12600	9486
3.66		6151	3348
3.681		5209	3193
3.71		19514	10289
3.728		5577	3296
3.762		5455	5586
3.814		18273	18373
3.857		434535	292967
3.883		19828	10414
3.903		14234	6985
3.922		155553	101011
3.956		659219	423847
3.988		85387	49910
4.004		33501	18040
4.065		17353	20734
4.099		88318	89704
4.127		20369	19957
4.155		175071	113845
4.197		362187	222475
4.215		350618	168804
4.228		1388438	760642

RT B	Compound B	Height B	Area B
4.254		699776	702355
4.305		4752151	3377759
4.353		80090	78569
4.374		241570	150561
4.398		1219225	868861
4.44		7064963	5083203
4.495		9449	6138
4.542		4962938	4499302
4.594		598560	505481
4.632		1550582	1295936
4.667		7481659	6273075
4.7		4242426	2768549
4.738		2813930	2107543
4.795		15443	8831
4.81		8886	4142
4.836		854412	838608
4.886		5409977	3960807
4.91		590606	370977
4.96		2774867	2388711
4.994		1424225	1083298
5.024		1076763	851004
5.057		182129	102111
5.079		15181790	12013130
5.12		254866	187918
5.151		360793	290282
5.195		13095	9284
5.215		19039	12369
5.27		112351	67043
5.293		2350573	1880309
5.337		9019077	9324806
5.439		4901	7325
5.492		130059	101846
5.537		249929	198482
5.561		59729	37591
5.583		12606	6204
5.609		1505036	1209864
5.652		10337	8826
5.716		3838184	2936125
5.747		192069	134747
5.828		7349	5900
5.859		2407	2994
5.915		649039	536780
5.963		3854	3890
5.997		3058	3302
6.03		1706	1128
6.074	DCB	127542	107270
6.108		3500	4089
6.173		1384	1698
6.205		1693	1546
6.247		9556	6857
6.273		27817	25020
6.339		3810	3572
6.493		2033	3579
6.55		4186	3669
6.639		1084	2783
6.696		1430	2365
6.777		654	2929
6.796		1337	777
6.88		1785	5951
6.968		5599	5744

8570352ACF DF50 ACA5111 T 162530010A 10225 SW-846 8082

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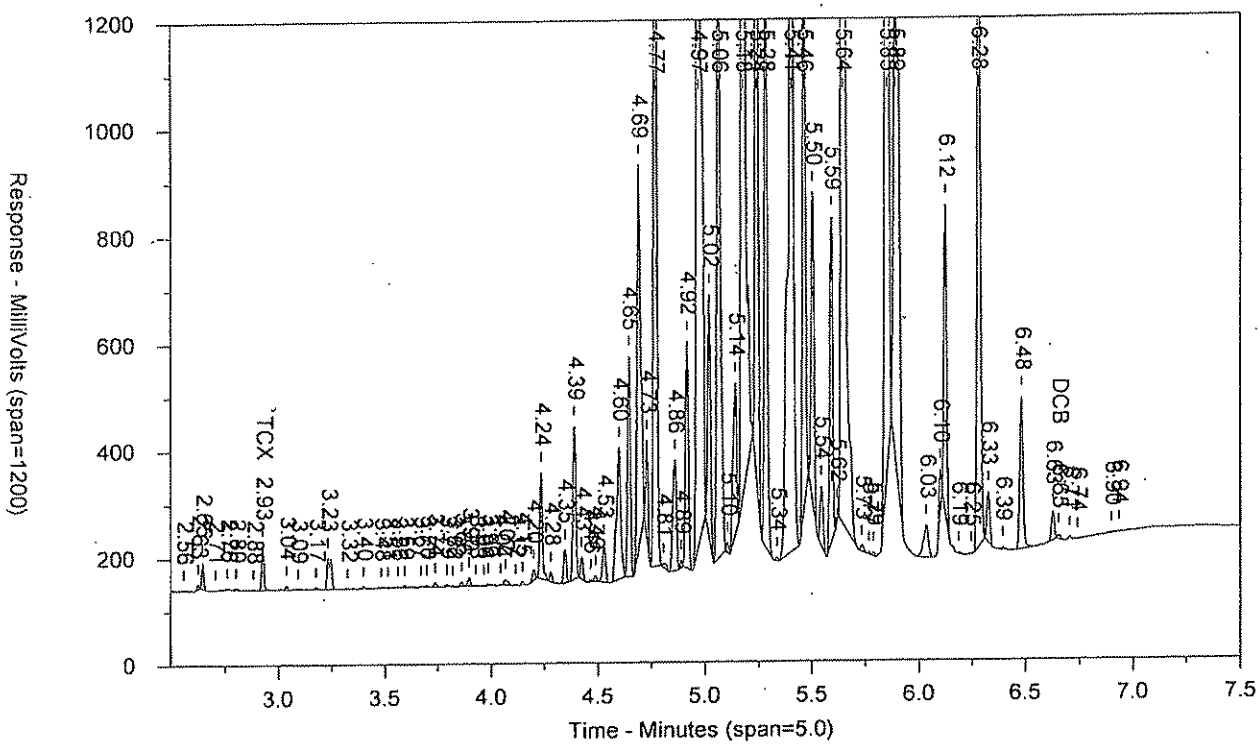

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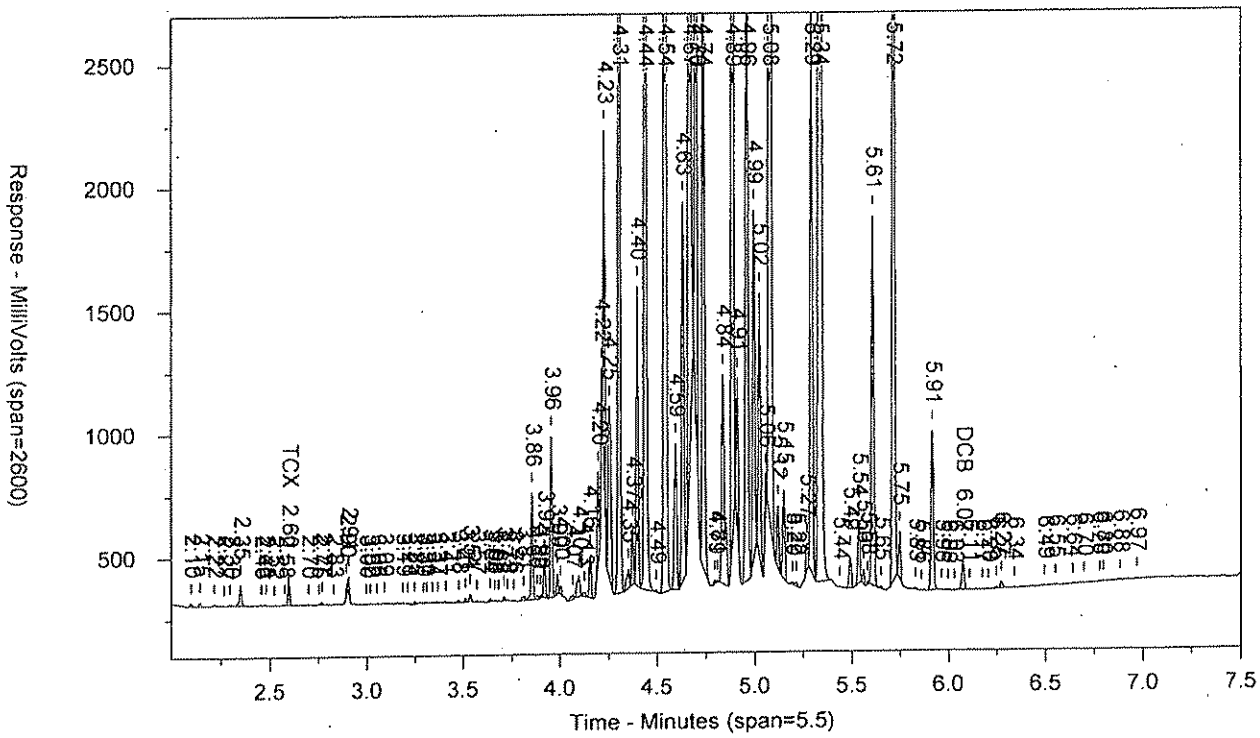

LANCASTER LABORATORIES

Sample Number: 8570352ACF DF50 ACA5111 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 5:19:56 AM Sample Weight: 10.03
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: 4
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	83231	30.667	TCX	2.599	127107	25.798	TCX
6.653	9133	6.811	DCB	6.074	127542	33.421	DCB

Files:
Area File: 25pcbs16207031.0051.RAW
Area File: 25pcbs16207031B.0051.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 5:27:08 AM
File Reported On: 9/12/2016 at 5:28:33 AM

8570352ACF DF50 ACA5111 T 162530010A 10225 SW-846 8082

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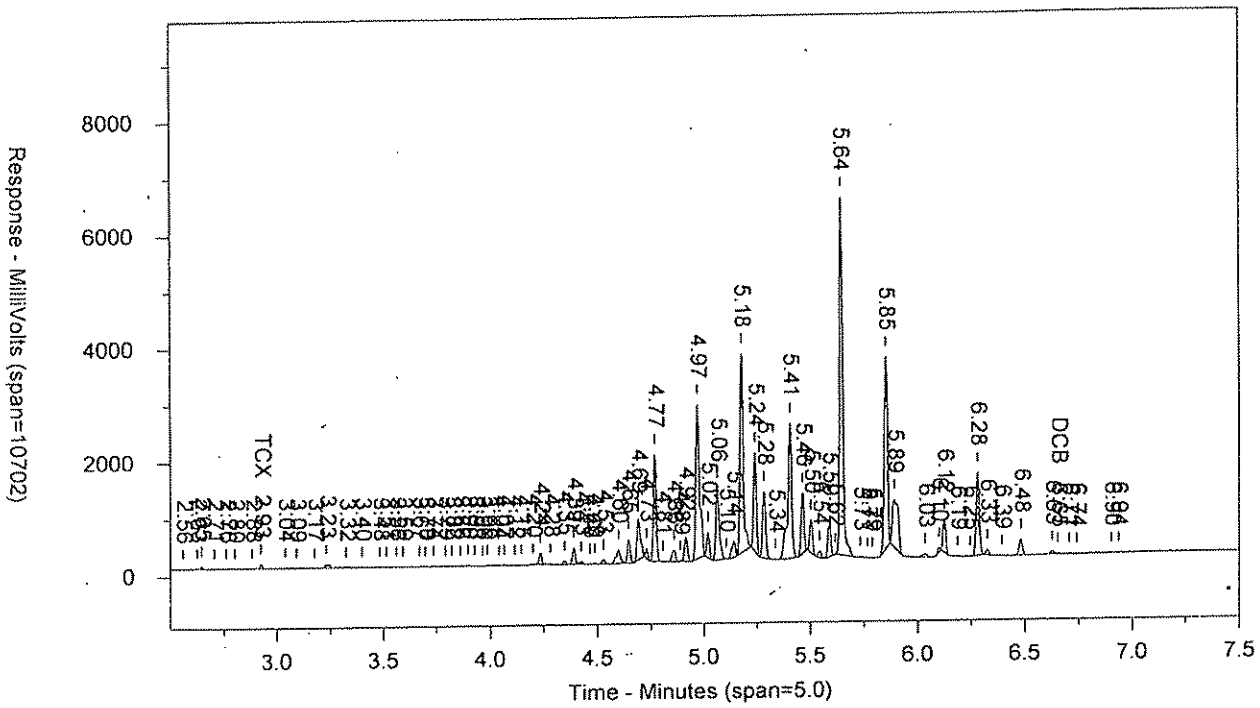

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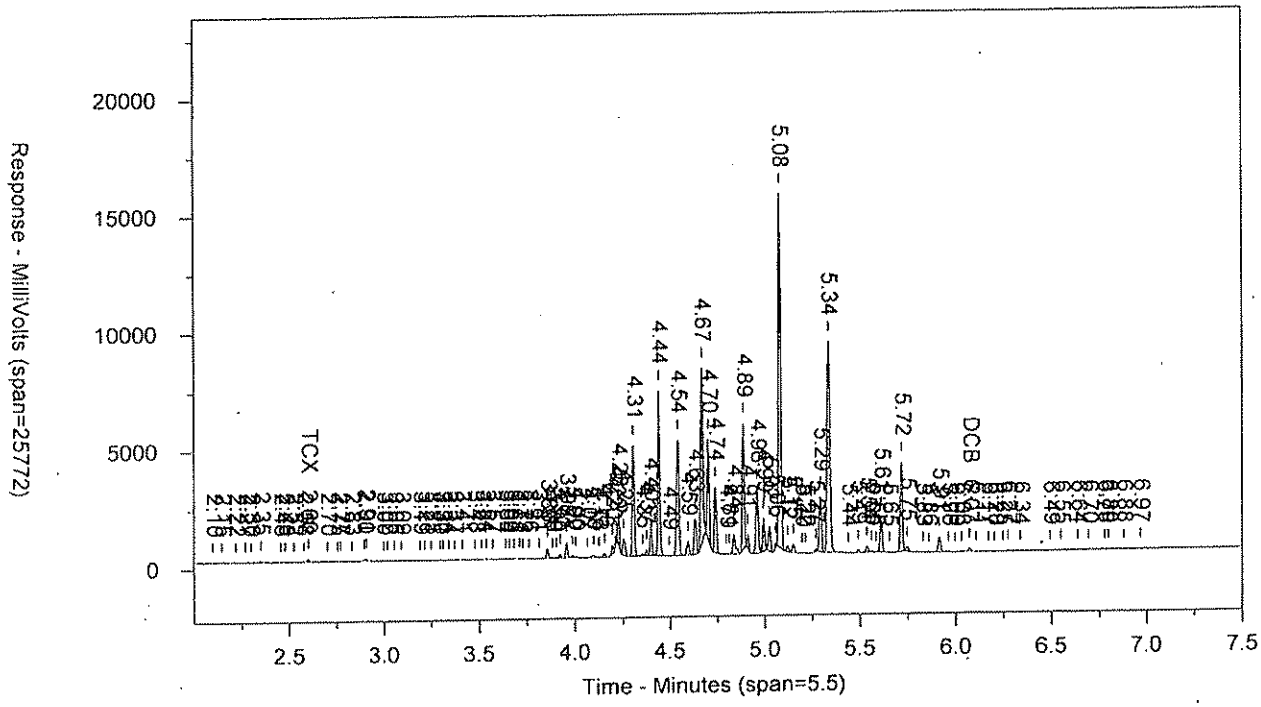

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Data Summary

Sample Name: 8570353 ACF DF50 A5112 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.34 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 05:42:31
Instrument	18274A
Result file	25PCBS16207031.0053.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 124% (46 - 148) Conc: 35.21621
%SSR(DCB) * 21% (49 - 139) Conc: 5.887562

Analysis Report (B)

Injected on	Sep 12, 2016 05:42:31
Instrument	18274B
Result file	25PCBS16207031B.0053.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 104% (46 - 148) Conc: 29.42568
%SSR(DCB) 133% (49 - 139) Conc: 37.51865

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.92	2.96	98531	35.21621
Decachlorobiphenyl	6.60	6.65	6.66	8138	5.887562

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	149461	29.42568
Decachlorobiphenyl	6.05	6.07	6.11	147603	37.51865

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	35.21621				17.92	
☑ Decachlorobiphenyl	A	5.887562			P	145.74	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.96**	
4.76	4.77	4.80	1364819	16577.724945			1
4.96	4.97	5.00	1939673	21773.756538			2
5.23	5.24	5.27	1269968	23419.982525			3
5.40	5.41	5.44	1623365	23926.556273			4
5.64	5.65	5.68	4389683	30996.699155			5
5.84	5.85	5.88	2422339	29995.284375			6

Height summation: **13009847**
Concentration CF: **24448.333969** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**25.05**	
4.29	4.31	4.33	3505096	17457.966319			1
4.43	4.44	4.47	4911087	21609.942426			2
4.53	4.54	4.57	3455537	18231.704953			3
4.88	4.89	4.92	3872534	25635.80141			4
5.07	5.08	5.11	10819940	32314.323726			5
5.33	5.34	5.37	6588006	29364.362701			6

Height summation: **33152200**
Concentration CF: **24102.350256** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2466.151	<478.7234			4	
☑ PCB-1221			<2466.151	<739.8453			3	
☑ PCB-1232			<2466.151	<594.7776			4	
☑ PCB-1242			<2466.151	<594.7776			4	
☑ PCB-1248			<2466.151	<478.7234			4	
☑ PCB-1254			<2466.151	<638.2979			4	
☑ PCB-1260	A	24448.333969	2466.151	565.764		1.43	4	

Units: ug/kg

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

Reviewed by: Kirby D. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570353** ACF DF50 A5112 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.34 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 05:42:31
Instrument : P 25--18274A
Result file : 25PCBS16207031.0053.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 124% (46-148) Conc.: 35.21621
%SSR(DCB) : *21% (49-139) Conc.: 5.887562

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	38.40	
3.17	3.18	3.21	2557.526	54.016255			1
3.39	3.40	3.43	3942.71	84.71161			2
3.51	3.52	3.55	1941.19	34.325831			3
3.73	3.74	3.77	6355.937	99.140833			4
3.79	3.79	3.83	2737.416	50.140092			5
+ 3.79	3.82	3.83	1639.99	30.039003			5
3.98	3.99	4.02	2308.537	54.814795			6
Height Summation:			19843.316				
Amount Avg CF:			62.858236	Linear:			
Aroclor-1221					2	32.67	
3.07	3.07	3.11	1525.233	62.824712			1
3.17	3.18	3.21	2557.526	39.246394			3
Height Summation:			4082.759				
Amount Avg CF:			51.035553	Linear:			
Aroclor-1232					6	50.19	
3.17	3.18	3.21	2557.526	40.404554			1
3.39	3.40	3.43	3942.71	152.462865			2
3.51	3.52	3.55	1941.19	61.58044			3
3.73	3.74	3.77	6355.937	181.160565			4
3.79	3.79	3.83	2737.416	92.755661			5
+ 3.79	3.82	3.83	1639.99	55.570055			5
3.99	3.99	4.02	2308.537	110.45449			6
Height Summation:			19843.316				
Amount Avg CF:			106.469763	Linear:			
Aroclor-1242					6	39.46	
3.17	3.18	3.21	2557.526	73.915572			1
3.39	3.40	3.43	3942.71	120.955247			2
3.51	3.52	3.55	1941.19	47.898796			3
3.73	3.74	3.77	6355.937	140.734082			4
3.79	3.79	3.83	2737.416	70.222366			5
+ 3.79	3.82	3.83	1639.99	42.070324			5
3.98	3.99	4.02	2308.537	77.3684			6
Height Summation:			19843.316				
Amount Avg CF:			88.515744	Linear:			
Aroclor-1248					5	209.55	
3.79	3.79	3.83	2737.416	88.489683			1
+ 3.79	3.82	3.83	1639.99	53.014301			1
3.85	3.86	3.89	4350.211	83.234887			2
3.98	3.99	4.02	2308.537	38.71502			3
4.25	4.28	4.29	7998.095	156.00428			5
4.64	4.65	4.68	258498.6	6907.800099			6
Height Summation:			275892.859				
Amount Avg CF:			1454.848794	Linear:			
Aroclor-1254					6	143.12	
4.23	4.24	4.27	136046.6	2161.527807			1
4.58	4.60	4.62	191888.5	3177.687093			2
4.64	4.65	4.68	258498.6	2279.767154			3
4.77	4.77	4.81	1364819	37096.522321			4
+ 4.77	4.80	4.81	6726.588	182.832318			4
4.86	4.89	4.90	10565.02	146.502791			5
5.06	5.06	5.10	905452.8	15182.994446			6
Height Summation:			2867270.52				
Amount Avg CF:			10007.500269	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 05:42:31
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0053.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 104% (46-148) Conc.: 29.42568
%SSR(DCB) : 133% (49-139) Conc.: 37.51865

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	179.98	
2.87	2.91	2.91	75474.86	906.373386			1
3.19	3.22	3.23	3597.95	34.907513			2
3.39	3.41	3.43	4926.823	44.713557			3
3.46	3.48	3.50	6767.103	59.75789			4
3.63	3.64	3.67	7102.32	73.798949			5
+ 3.63	3.66	3.67	4559.91	47.381217			5
3.72	3.75	3.76	3695.421	44.694205			6
Height Summation:			101564.477				
Amount Avg CF:			194.040917	Linear:			
Aroclor-1221					3	105.10	
2.75	2.77	2.79	6935.383	149.249532			1
2.81	2.83	2.85	2332.982	78.78804			2
2.87	2.91	2.91	75474.86	632.721513			3
Height Summation:			84743.225				
Amount Avg CF:			286.919695	Linear:			
Aroclor-1232					6	116.87	
2.87	2.91	2.91	75474.86	646.068081			1
3.20	3.22	3.24	3597.95	64.493832			2
3.39	3.41	3.43	4926.823	82.852731			3
3.47	3.48	3.51	6767.103	115.988598			4
3.63	3.64	3.67	7102.32	155.560671			5
+ 3.63	3.66	3.67	4559.91	99.874782			5
3.72	3.75	3.76	3695.421	88.130185			6
Height Summation:			101564.477				
Amount Avg CF:			192.18235	Linear:			
Aroclor-1242					6	178.71	
2.87	2.91	2.91	75474.86	1230.140532			1
3.20	3.22	3.24	3597.95	47.378426			2
3.39	3.41	3.43	4926.823	61.499868			3
3.47	3.48	3.51	6767.103	87.253017			4
3.63	3.64	3.67	7102.32	101.939138			5
+ 3.63	3.66	3.67	4559.91	65.448092			5
3.72	3.75	3.76	3695.421	60.87745			6
Height Summation:			101564.477				
Amount Avg CF:			264.848072	Linear:			
Aroclor-1248					6	146.31	
+ 3.50	3.51	3.54	9273.622	83.719817			1
3.50	3.54	3.54	21939.92	198.067819			1
3.63	3.64	3.67	7102.32	53.02962			2
+ 3.63	3.66	3.67	4559.91	34.046663			2
3.72	3.75	3.76	3695.421	37.807893			3
3.85	3.86	3.89	283405.6	1525.582372			4
+ 3.85	3.88	3.89	6504.204	35.01236			4
+ 4.21	4.21	4.25	185813.6	2218.103729			5
4.21	4.23	4.25	1020461	12181.499897			5
+ 4.37	4.37	4.40	104455.3	2080.267273			6
4.37	4.40	4.40	905836.8	18040.086521			6
Height Summation:			2242441.061				
Amount Avg CF:			5339.345687	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570353** ACF DF50 A5112 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.34 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 05:42:31
Instrument : P 25--18274A
Result file : 25PCBS16207031.0053.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	21.96	
4.76	4.77	4.80	1364819	16577.724945			1
4.96	4.97	5.00	1939673	21773.756538			2
5.23	5.24	5.27	1269968	23419.982525			3
5.40	5.41	5.44	1623365	23926.556273			4
5.64	5.65	5.68	4389683	30996.699155			5
5.84	5.85	5.88	2422339	29995.284375			6
Height Summation:			13009847				
Amount Avg CF:			24448.333988	Linear:			
Aroclor-1262					5	23.07	
E 5.23	5.24	5.27	1269968	13081.638734			1
E 5.40	5.41	5.44	1623365	19184.369522			2
E 5.64	5.65	5.68	4389683	22749.014115			3
E 5.84	5.85	5.88	2422339	21926.244065			4
E 6.28	6.28	6.32	1027741	14977.537141			6
Height Summation:			10733096				
Amount Avg CF:			18383.760715	Linear:			
Aroclor-1268					4	69.19	
E 5.84	5.85	5.88	2422339	10789.29705			1
6.03	6.03	6.07	44549.94	244.937797			3
+ 6.10	6.10	6.14	59295.39	1176.106071			4
6.10	6.12	6.14	417674.8	8284.452938			4
E 6.28	6.28	6.32	1027741	13187.862915			5
Height Summation:			3912304.74				
Amount Avg CF:			8126.637675	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 05:42:31
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0053.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	128.28	
4.15	4.16	4.19	82618.23	545.714126			1
+ 4.21	4.21	4.25	185813.6	705.880796			2
4.21	4.23	4.25	1020461	3876.593654			2
4.30	4.31	4.34	3505096	28260.789905			3
+ 4.37	4.37	4.41	104455.3	624.232503			4
4.37	4.40	4.41	905836.8	5413.346883			4
E 4.43	4.44	4.47	4911087	48940.534623			5
4.58	4.59	4.62	429457.2	3673.825318			6
Height Summation:			10854556.23				
Amount Avg CF:			15118.467418	Linear:			
Aroclor-1260					6	25.05	
4.29	4.31	4.33	3505096	17457.966319			1
4.43	4.44	4.47	4911087	21609.942426			2
4.53	4.54	4.57	3455537	18231.704953			3
4.88	4.89	4.92	3872534	25635.80141			4
+ 4.88	4.91	4.92	382607.7	2532.826055			4
5.07	5.08	5.11	10819940	32314.323726			5
5.33	5.34	5.37	6588006	29364.362701			6
Height Summation:			33152200				
Amount Avg CF:			24102.350256	Linear:			
Aroclor-1262					6	34.04	
E 4.69	4.70	4.73	2965982	11534.930242			1
E 4.88	4.89	4.92	3872534	14759.904249			2
+ 4.88	4.91	4.92	382607.7	1458.28365			2
E 5.07	5.08	5.11	10819940	22470.658256			3
5.28	5.29	5.32	1659903	8361.714314			4
E 5.33	5.34	5.37	6588006	20050.688972			5
E 5.71	5.72	5.75	2643525	14974.822788			6
Height Summation:			28549890				
Amount Avg CF:			15358.78647	Linear:			
Aroclor-1268					6	127.22	
5.29	5.29	5.33	1659903	2810.681336			1
E 5.33	5.34	5.37	6588006	11524.146562			2
5.49	5.49	5.53	89612.73	178.883937			3
5.55	5.56	5.59	41542.98	345.335285			4
E 5.71	5.72	5.75	2643525	13045.344785			5
+ 5.71	5.75	5.75	135249.3	667.432217			5
5.91	5.92	5.95	477949.7	286.825929			6
Height Summation:			11500539.41				
Amount Avg CF:			4698.536306	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2466.151	478.7234		** 102.13	4	40	
Aroclor-1221			2466.151	739.8453		** 139.59	3	5	
Aroclor-1232			2466.151	594.7776		** 57.40	4	10	
Aroclor-1242			2466.151	594.7776		** 99.80	4	30	
Aroclor-1248			2466.151	478.7234		** 114.35	4	40	
Aroclor-1254			2466.151	638.2979		** 40.68	4	40	
Aroclor-1260			2466.151	565.764		1.43	4	40	
Aroclor-1262			2466.151	478.7234	E	17.93	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570353** ACF DF50 A5112 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.34 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 05:42:31
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0053.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 05:42:31
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0053.RAW
Calibration file	: 25PCBS1620701B.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			2466.151	478.7234	E	** 53.46	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570353ACF DF50 ACA5112 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 5:42:31 AM 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: 25pcbs16207031.0053.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.006		2595	1709
2.037		8991	9274
2.088		11354	13697
2.136		53439	52719
2.197		54002	38029
2.282		1838	1095
2.309		6811	5334
2.381		27548	22217
2.424		4356	2925
2.489		4959	6880
2.558		3034	4685
2.626		4945	2862
2.648		34004	22419
2.706		1835	2233
2.763		3247	5658
2.8		2125	2784
2.886		1316	1221
2.925	TCX	98531	68112
3.011		1249	1158
3.039		5346	3288
3.069		1525	1105
3.176		2558	3960
3.232		41226	52207
3.321		1528	1344
3.4		3943	6596
3.475		1543	2084
3.516		1941	1344
3.563		2381	3154
3.592		3325	2128
3.627		1255	2003
3.67		1773	1064
3.706		2435	2534
3.738		6356	6103
3.793		2737	2409
3.821		1640	1715
3.862		4350	3348
3.897		12098	9614
3.925		3289	3444
3.963		2141	1567
3.986		2309	3394
4.041		1784	1244
4.066		7532	8927
4.111		1822	1965
4.146		4876	4107
4.201		20321	17891
4.235		136047	112272
4.282		7998	6045
4.307		1886	1422
4.347		40806	33669
4.391		175592	162369
4.425		18079	14068
4.464		3633	2447
4.488		7143	5499
4.528		41567	43725

RT A	Compound A	Height A	Area A
4.599		191889	239600
4.645		258499	233542
4.691		549319	638069
4.728		130165	96179
4.768		1364819	1292520
4.804		6727	7166
4.857		124772	155475
4.889		10565	6237
4.916		327187	316219
4.969		1939673	2332786
5.018		337156	303047
5.062		905453	1019952
5.103		10522	5851
5.142		214567	259148
5.179		2443787	2677639
5.241		1269968	1166859
5.283		843445	863346
5.337		7397	5983
5.406		1623365	2221720
5.464		801881	732953
5.504		418168	389816
5.544		84295	78566
5.589		424581	406364
5.617		16170	8631
5.645		4389683	4565862
5.732		10394	10767
5.767		2781	1517
5.788		7393	5007
5.814		2594	1630
5.852		2422339	2508977
5.89		587048	1197140
6.034		44550	73859
6.1		59295	44126
6.123		417675	380572
6.245		2498	1728
6.28		1027741	1072272
6.325		72058	67440
6.391		4630	5970
6.479		211078	224656
6.625		66404	62114
6.653	DCB	8138	6844
6.704		4422	4260
6.941		2233	14010
6.988		1082	1022

LANCASTER LABORATORIES

Sample Number: 8570353ACF DF50 ACA5112 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 5:42:31 AM 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: 25pcbs16207031B.0053.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.101		10197	10588
2.145		36423	25886
2.218		7548	8217
2.268		3389	2741
2.298		4306	4595
2.35		59186	50036
2.448		1867	1461
2.476		2925	2391
2.551		991	547
2.577		2957	2367
2.599	TCX	149461	87506
2.661		1741	892
2.701		3137	5198
2.752		1620	1104
2.77		6935	3511
2.83		2333	1258
2.905		75475	71453
2.936		2253	1656
3.019		1857	1518
3.09		2687	1579
3.11		1859	1004
3.187		3053	2829
3.215		3598	5221
3.249		7791	6270
3.311		2843	3337
3.34		3965	2358
3.412		4927	6154
3.434		2081	1396
3.46		1416	749
3.477		6767	4764
3.512		9274	5084
3.536		21940	15697
3.569		2589	1483
3.609		1239	648
3.639		7102	5584
3.662		4560	2444
3.682		3106	1945
3.71		13842	7864
3.752		3695	4016
3.815		14230	14840
3.857		283406	187038
3.883		6504	3271
3.903		6366	3101
3.922		107965	74253
3.956		378927	247121
3.988		38811	21780
4.004		19376	15734
4.066		10446	16030
4.098		50410	54522
4.128		26723	22692
4.155		82618	55163
4.197		284011	172256
4.215		185814	85591
4.228		1020461	596938

RT B	Compound B	Height B	Area B
4.253		547297	524870
4.305		3505097	2452601
4.353		67907	57198
4.374		104455	62073
4.399		905837	651701
4.44		4911087	3633679
4.495		11289	9729
4.542		3455537	3239751
4.595		429457	345724
4.632		1187540	954582
4.668		5562011	4422362
4.7		2965982	2013767
4.738		1975234	1548280
4.795		17567	13638
4.836		614922	606785
4.887		3872534	2883304
4.91		382608	237734
4.96		2097956	1752655
4.995		1039415	794502
5.025		787930	620605
5.057		104026	59271
5.079		10819940	8630000
5.12		185252	134967
5.151		259370	206982
5.197		11204	7859
5.217		13702	8298
5.27		87299	49436
5.294		1659903	1358725
5.337		6588006	6791007
5.445		3644	4797
5.492		89613	73883
5.537		186383	146254
5.56		41543	25946
5.61		1071110	933647
5.651		8516	7446
5.69		4112	2463
5.717		2643525	2108101
5.747		135249	98724
5.829		5609	4202
5.856		3193	3725
5.916		477950	390307
5.962		2214	1501
5.997		2368	2240
6.074	DCB	147603	126401
6.111		4052	4021
6.173		1678	1973
6.246		6544	4845
6.274		26714	22985
6.339		4460	4147
6.4		1211	734
6.467		481	1822
6.492		2978	2469
6.551		5652	6038
6.629		1383	861
6.717		878	3000
6.76		1655	1928
6.847		2264	2312
6.884		1181	1428
6.915		1831	1456
6.937		3033	2637
6.969		7385	7251

8570353ACF DF50 ACA5112 T 162530010A 10225 SW-846 8082

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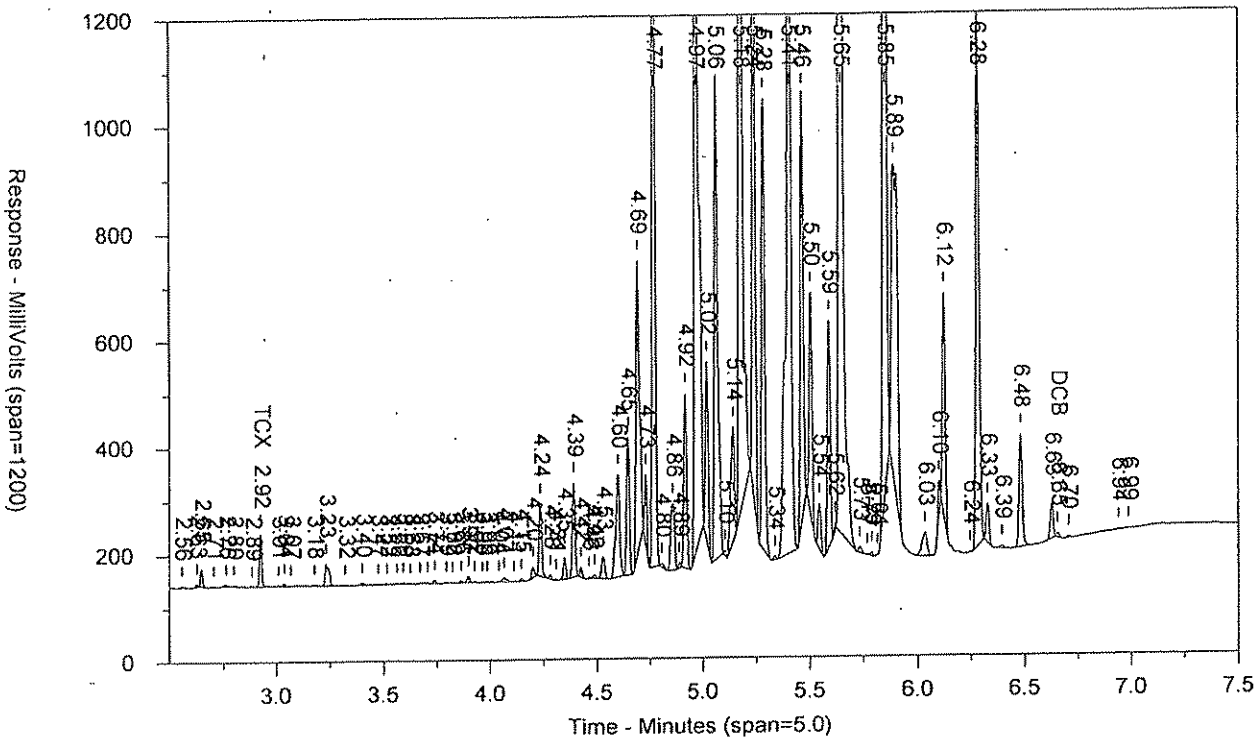

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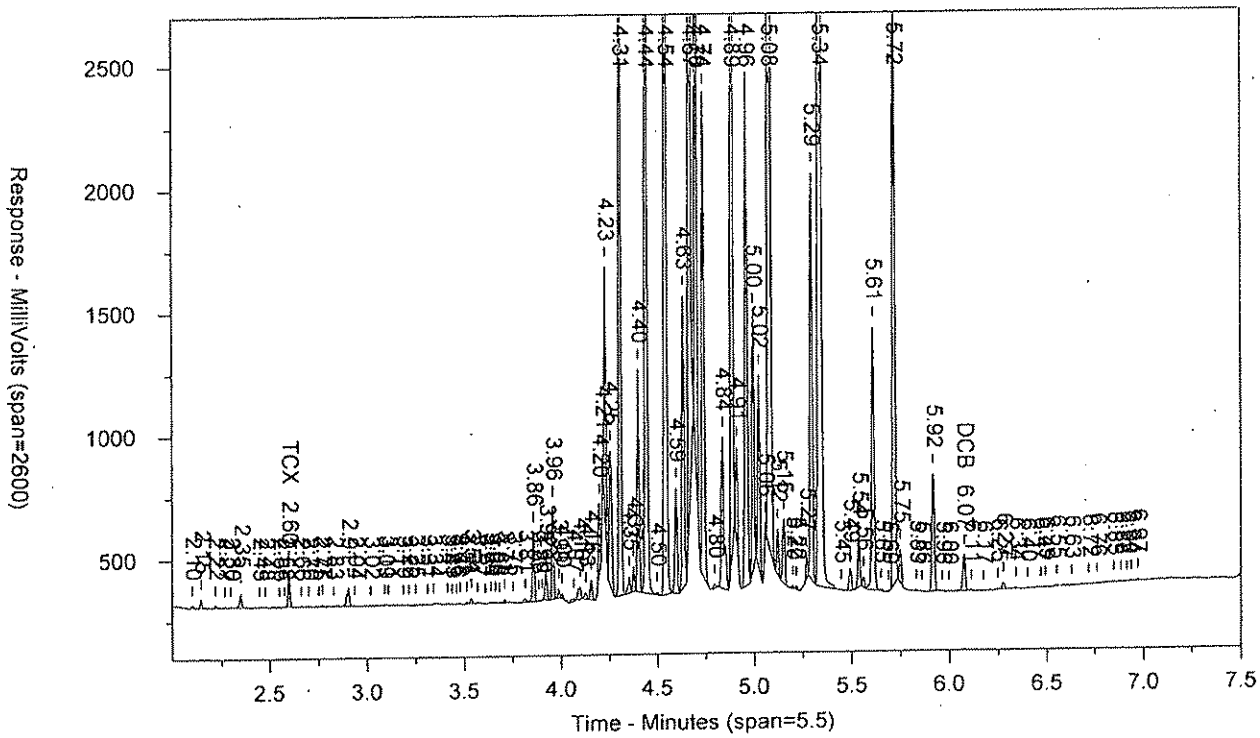

LANCASTER LABORATORIES

Sample Number: 8570353ACF DF50 ACA5112 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 5:42:31 AM
Sample Weight: 10.34
Dilution Factor: 500
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: 4
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	98531	35.216	TCX	2.599	149461	29.426	TCX
6.653	8138	5.888	DCB	6.074	147603	37.519	DCB

Files:
Area File: 25pcbs16207031.0053.RAW
Area File: 25pcbs16207031B.0053.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 5:50:58 AM
File Reported On: 9/12/2016 at 5:51:11 AM

8570353ACF DF50 ACA5112 T 162530010A 10225 SW-846 8082

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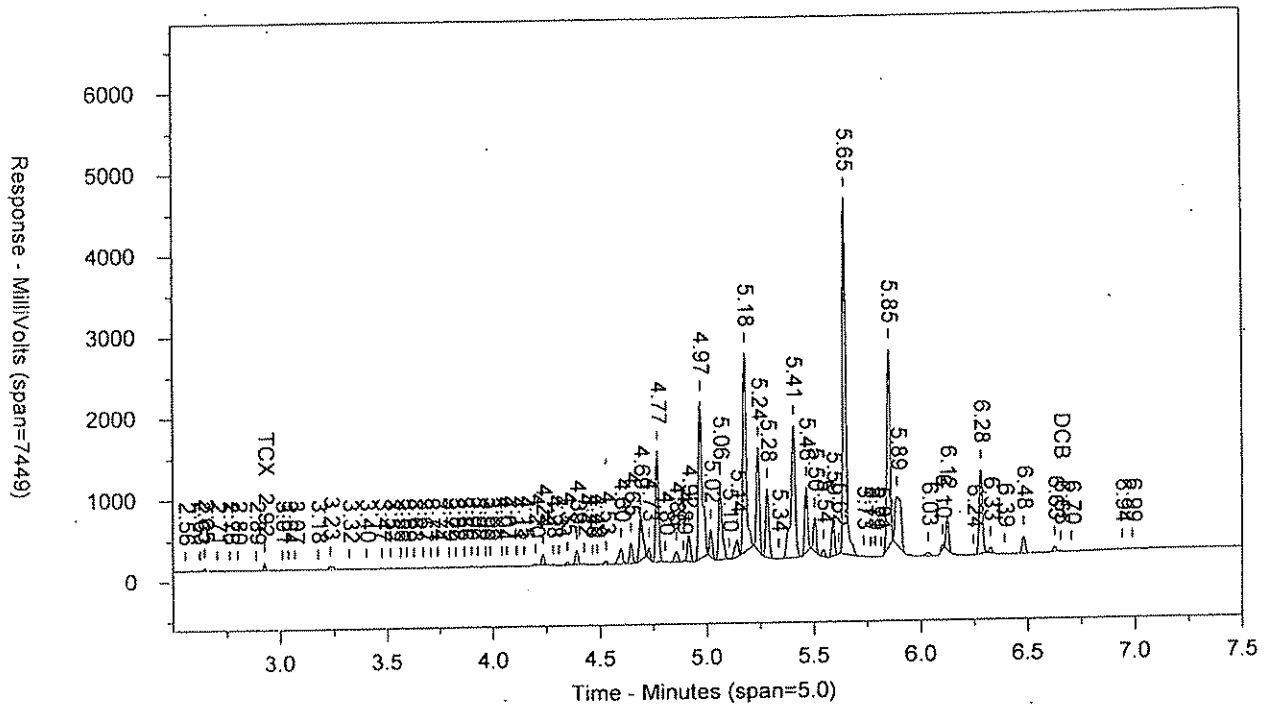

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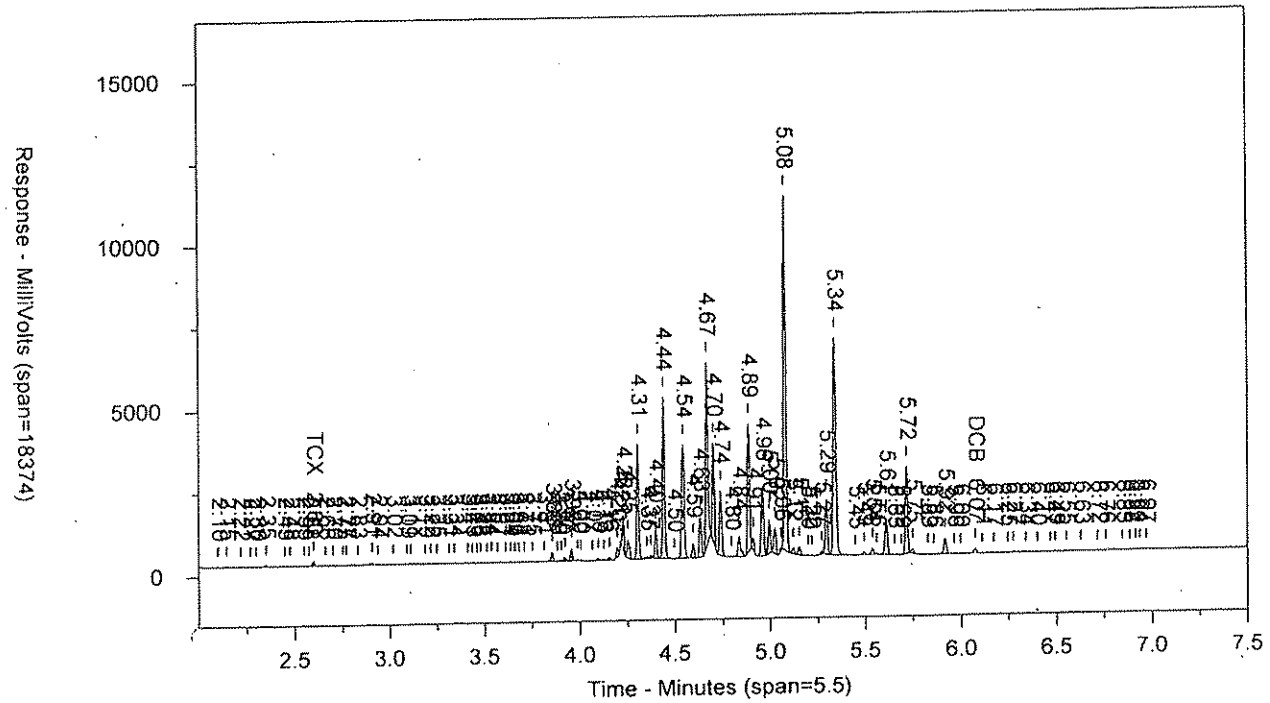

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Data Summary

Sample Name: 8570354 ACF DF50 A5113 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 05:53:45
Instrument	18274A
Result file	25PCBS16207031.0054.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 123% (46 - 148) Conc: 35.62444
%SSR(DCB) * 15% (49 - 139) Conc: 4.220265

Analysis Report (B)

Injected on	Sep 12, 2016 05:53:45
Instrument	18274B
Result file	25PCBS16207031B.0054.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 106% (46 - 148) Conc: 30.80054
%SSR(DCB) 136% (49 - 139) Conc: 39.50057

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	97360	35.62444
Decachlorobiphenyl	6.60	6.65	6.66	5698	4.220265

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	152813	30.80054
Decachlorobiphenyl	6.05	6.07	6.11	151793	39.50057

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	35.62444				14.52	
☑ Decachlorobiphenyl	A	4.220265			P	161.39	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.39**	
4.76	4.77	4.80	1457877	18128.835959			1
4.96	4.97	5.00	2188002	25145.004732			2
5.23	5.24	5.27	1408083	26584.053906			3
5.40	5.41	5.44	1831088	27629.460109			4
5.64	5.64	5.68	4855576	35101.219924			5
5.84	5.85	5.88	2676996	33936.335874			6

Height summation: **14417622**
Concentration CF: **27754.151751** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.97**	
4.29	4.31	4.33	3763684	19191.373241			1
4.43	4.44	4.47	5504184	24795.227115			2
4.53	4.54	4.57	3980864	21502.464645			3
4.88	4.89	4.92	4039546	27376.844055			4
5.07	5.08	5.11	11525440	35239.269589			5
5.33	5.34	5.37	6995776	31922.849754			6

Height summation: **35809494**
Concentration CF: **26671.338067** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2524.7524	<490.099			4	
☑ PCB-1221			<2524.7524	<757.4257			3	
☑ PCB-1232			<2524.7524	<608.9109			4	
☑ PCB-1242			<2524.7524	<608.9109			4	
☑ PCB-1248			<2524.7524	<490.099			4	
☑ PCB-1254			<2524.7524	<653.4653			4	
☑ PCB-1260	A	27754.151751	2524.7524	579.2079		3.98	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570354** ACF DF50 A5113 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 05:53:45
Instrument : P 25--18274A
Result file : 25PCBS16207031.0054.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 123% (46-148) Conc.: 35.62444
%SSR(DCB) : 15% (49-139) Conc.: 4.220265

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	35.39	
3.17	3.17	3.21	3613.474	78.131923			1
3.39	3.40	3.43	6072.537	133.572618			2
3.51	3.51	3.55	2843.493	51.475947			3
3.73	3.74	3.77	8078.543	129.004596			4
3.79	3.79	3.83	3714.528	69.65417			5
+ 3.79	3.82	3.83	1777.699	33.335096			5
3.98	3.99	4.02	4056.84	98.61614			6
+ 3.98	4.01	4.02	1621.711	39.42154			6
Height Summation:			**28379.415**				
Amount Avg CF:			**93.409233**	Linear:			
Aroclor-1221					1		
3.07	3.08	3.11	686.2225	28.937329			1
Height Summation:			**686.2225**				
Amount Avg CF:			**28.937329**	Linear:			
Aroclor-1232					5	50.27	
3.39	3.40	3.43	6072.537	240.402277			2
3.51	3.51	3.55	2843.493	92.347697			3
3.73	3.74	3.77	8078.543	235.730777			4
3.79	3.82	3.83	1777.699	61.667596			5
3.99	3.99	4.02	4056.84	198.716341			6
+ 3.99	4.01	4.02	1621.711	79.436329			6
Height Summation:			**22829.112**				
Amount Avg CF:			**165.772938**	Linear:			
Aroclor-1242					5	51.39	
3.39	3.40	3.43	6072.537	190.721306			2
3.51	3.51	3.55	2843.493	71.830333			3
3.73	3.74	3.77	8078.543	183.1268			4
3.79	3.82	3.83	1777.699	46.686579			5
3.98	3.99	4.02	4056.84	139.191855			6
+ 3.98	4.01	4.02	1621.711	55.641574			6
Height Summation:			**22829.112**				
Amount Avg CF:			**126.311374**	Linear:			
Aroclor-1248					5	204.71	
3.79	3.79	3.83	3714.528	122.929083			1
+ 3.79	3.82	3.83	1777.699	58.831407			1
3.85	3.86	3.89	7285.446	142.708678			2
3.98	3.99	4.02	4056.84	69.651374			3
+ 3.98	4.01	4.02	1621.711	27.842952			3
4.25	4.28	4.29	16713.12	333.738762			5
4.64	4.65	4.68	336076.8	9194.312577			6
Height Summation:			**367846.734**				
Amount Avg CF:			**1972.668095**	Linear:			
Aroclor-1254					6	131.40	
4.23	4.24	4.27	165244.1	2687.808118			1
4.58	4.60	4.62	208145.5	3528.810793			2
4.64	4.65	4.68	336076.8	3034.380196			3
4.77	4.77	4.81	1457877	40567.494638			4
4.86	4.86	4.90	173816.6	2467.550157			5
+ 4.86	4.89	4.90	12447.66	176.710541			5
5.06	5.06	5.10	1039566	17846.080559			6
Height Summation:			**3380726**				
Amount Avg CF:			**11688.68741**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 05:53:45
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0054.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 106% (46-148) Conc.: 30.80054
%SSR(DCB) : 136% (49-139) Conc.: 39.50057

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	158.90	
2.87	2.91	2.91	90460.8	1112.152693			1
3.19	3.21	3.23	7064.768	70.171515			2
3.39	3.41	3.43	6502.321	60.414311			3
3.46	3.48	3.50	9463.051	85.550551			4
3.63	3.64	3.67	11296.37	120.167774			5
+ 3.63	3.66	3.67	4286.454	45.598156			5
Height Summation:			**124787.31**				
Amount Avg CF:			**289.691369**	Linear:			
Aroclor-1221					3	111.92	
2.75	2.77	2.79	8410.587	185.296835			1
2.81	2.83	2.85	1791.303	61.932288			2
2.87	2.91	2.91	90460.8	776.372017			3
Height Summation:			**100662.69**				
Amount Avg CF:			**341.20038**	Linear:			
Aroclor-1232					5	98.32	
2.87	2.91	2.91	90460.8	792.748736			1
3.20	3.21	3.24	7064.768	129.6463			2
3.39	3.41	3.43	6502.321	111.945706			3
3.47	3.48	3.51	9463.051	166.051521			4
3.63	3.64	3.67	11296.37	253.301433			5
+ 3.63	3.66	3.67	4286.454	96.116269			5
Height Summation:			**124787.31**				
Amount Avg CF:			**290.738739**	Linear:			
Aroclor-1242					5	157.53	
2.87	2.91	2.91	90460.8	1509.426608			1
3.20	3.21	3.24	7064.768	95.240699			2
3.39	3.41	3.43	6502.321	83.094982			3
3.47	3.48	3.51	9463.051	124.913107			4
3.63	3.64	3.67	11296.37	165.988803			5
+ 3.63	3.66	3.67	4286.454	62.985133			5
Height Summation:			**124787.31**				
Amount Avg CF:			**395.73284**	Linear:			
Aroclor-1248					5	125.49	
+ 3.50	3.51	3.54	13240.98	122.376541			1
3.50	3.54	3.54	26302.11	243.090863			1
3.63	3.64	3.67	11296.37	86.34881			2
+ 3.63	3.66	3.67	4286.454	32.765411			2
3.85	3.86	3.89	356247.9	1963.264042			4
+ 3.85	3.88	3.89	16944.46	93.380056			4
+ 4.21	4.22	4.25	284417.1	3475.83557			5
4.21	4.23	4.25	1130020	13809.871878			5
+ 4.37	4.37	4.40	199135.5	4060.097938			6
4.37	4.40	4.40	941627.2	19198.478692			6
Height Summation:			**2465493.58**				
Amount Avg CF:			**7060.210857**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570354** ACF DF50 A5113 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 05:53:45
Instrument : P 25--18274A
Result file : 25PCBS16207031.0054.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	22.39	
4.76	4.77	4.80	1457877	18128.835959			1
4.96	4.97	5.00	2188002	25145.004732			2
5.23	5.24	5.27	1408083	26584.053906			3
5.40	5.41	5.44	1831088	27629.460109			4
5.64	5.64	5.68	4855576	35101.219924			5
5.84	5.85	5.88	2676996	32936.335874			6
Height Summation:			14417622				
Amount Avg CF:			27754.151751	Linear:			
Aroclor-1262					5	22.67	
E 5.23	5.24	5.27	1408083	14848.985857			1
E 5.40	5.41	5.44	1831088	22153.366593			2
E 5.64	5.64	5.68	4855576	25761.392964			3
E 5.84	5.85	5.88	2676996	24807.112136			4
E 6.28	6.28	6.32	1156256	17250.825704			6
Height Summation:			11927999				
Amount Avg CF:			20964.336651	Linear:			
Aroclor-1268					5	90.67	
E 5.84	5.85	5.88	2676996	12206.892388			1
6.03	6.04	6.07	51088.14	287.559646			3
+ 6.10	6.10	6.14	70505.55	1431.686836			4
6.10	6.12	6.14	478449.4	9715.401234			4
E 6.28	6.28	6.32	1156256	15189.514966			5
6.48	6.48	6.52	222549.6	427.215508			6
Height Summation:			4585339.14				
Amount Avg CF:			7565.316748	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 05:53:45
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0054.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	128.82	
4.15	4.16	4.19	142917	966.434368			1
+ 4.21	4.22	4.25	284417.1	1106.136537			2
4.21	4.23	4.25	1130020	4394.800487			2
4.30	4.31	4.34	3763684	31066.81255			3
+ 4.37	4.37	4.41	199135.5	1218.326669			4
4.37	4.40	4.41	941627.2	5760.949354			4
E 4.43	4.44	4.47	5504184	56154.322263			5
4.58	4.59	4.62	500798.6	4385.921816			6
Height Summation:			11983230.8				
Amount Avg CF:			17121.54014	Linear:			
Aroclor-1260					6	22.97	
4.29	4.31	4.33	3763684	19191.373241			1
4.43	4.44	4.47	5504184	24795.227115			2
4.53	4.54	4.57	3980864	21502.464645			3
4.88	4.89	4.92	4039546	27376.844055			4
+ 4.88	4.91	4.92	471505.2	3195.488882			4
5.07	5.08	5.11	11525440	35239.269589			5
5.33	5.34	5.37	6995776	31922.849754			6
Height Summation:			35809494				
Amount Avg CF:			26671.338066	Linear:			
Aroclor-1262					6	32.44	
E 4.69	4.70	4.73	3235203	12880.928307			1
E 4.88	4.89	4.92	4039546	15762.315772			2
+ 4.88	4.91	4.92	471505.2	1839.81414			2
E 5.07	5.08	5.11	11525440	24504.600215			3
5.28	5.29	5.32	1891948	9757.104946			4
E 5.33	5.34	5.37	6995776	21797.685106			5
E 5.71	5.72	5.75	2881612	16711.404012			6
Height Summation:			30569525				
Amount Avg CF:			16902.339726	Linear:			
Aroclor-1268					6	126.15	
5.29	5.29	5.33	1891948	3279.723718			1
E 5.33	5.34	5.37	6995776	12528.233729			2
5.49	5.49	5.53	99558.59	203.460233			3
5.55	5.56	5.59	50571.19	430.373624			4
+ 5.55	5.58	5.59	7774.467	66.162682			4
E 5.71	5.72	5.75	2881612	14558.170754			5
+ 5.71	5.75	5.75	141481.4	714.777139			5
5.91	5.92	5.95	499340.2	306.783439			6
Height Summation:			12418805.98				
Amount Avg CF:			5217.790916	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2524.7524	490.099		** 102.47	4	40	
Aroclor-1221			2524.7524	757.4257		** 168.73	3	5	
Aroclor-1232			2524.7524	608.9109		** 54.75	4	10	
Aroclor-1242			2524.7524	608.9109		** 103.22	4	30	
Aroclor-1248			2524.7524	490.099		** 112.64	4	40	
Aroclor-1254			2524.7524	653.4653		37.71	4	40	
Aroclor-1260			2524.7524	579.2079		3.98	4	40	
Aroclor-1262			2524.7524	490.099	E	21.45	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570354** ACF DF50 A5113 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 05:53:45
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0054.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 05:53:45
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0054.RAW
Calibration file	: 25PCBS1620701B.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			2524.7524	490.099	E	36.73	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570354ACF DF50 ACA5113 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 5:53:45 AM
Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207031.0054.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.008		2700	2040
2.038		8512	8944
2.089		10147	13695
2.136		7776	8301
2.197		65606	47379
2.282		2127	1408
2.309		7500	4867
2.381		13108	12172
2.408		2196	1199
2.491		3684	3349
2.566		2086	3186
2.627		6276	3590
2.648		36463	23902
2.705		1978	2344
2.762		3122	5262
2.811		3769	3893
2.885		1286	1152
2.925	TCX	97360	68955
3.038		5985	3677
3.081		686	1207
3.173		3613	5208
3.233		50230	64674
3.324		992	827
3.4		6073	7742
3.474		1305	1773
3.512		2843	2113
3.564		2580	4069
3.592		3640	2513
3.626		1100	1190
3.67		1863	1104
3.7		2482	2419
3.738		8079	6930
3.792		3715	2945
3.824		1778	1736
3.862		7285	5570
3.897		14627	12281
3.926		3295	3451
3.964		1838	1353
3.987		4057	2619
4.013		1622	931
4.042		2516	1673
4.068		10333	12318
4.118		1834	1763
4.148		5373	4926
4.202		19361	17018
4.237		165244	145753
4.282		16713	12067
4.348		50397	42312
4.392		221321	211921
4.426		37192	28740
4.465		4102	2741
4.489		10141	8098
4.53		62058	63140
4.6		208146	281869

RT A	Compound A	Height A	Area A
4.646		336077	305385
4.692		593108	675881
4.729		141443	108837
4.769		1457877	1415967
4.807		7597	11220
4.859		173817	203423
4.89		12448	7274
4.917		356876	341672
4.97		2188002	2593622
5.019		358136	325920
5.063		1039566	1143986
5.105		19394	10830
5.142		238789	284912
5.179		2773891	2993662
5.241		1408083	1278704
5.285		946614	940040
5.337		3945	2926
5.406		1831088	2474816
5.465		854296	806234
5.504		478882	431729
5.544		90735	87188
5.589		511050	469466
5.618		20293	10520
5.645		4855576	5040289
5.734		9805	11050
5.767		3493	1978
5.787		6759	4462
5.852		2676996	2794339
5.89		696818	1350707
6.035		51088	79519
6.101		70506	53536
6.124		478449	430619
6.19		3510	3664
6.249		2602	1828
6.281		1156256	1191081
6.327		79850	78919
6.368		2028	1454
6.394		3997	4784
6.482		222550	245531
6.576		1175	1240
6.628		64656	63806
6.654	DCB	5698	4865
6.708		5191	5558
6.897		3554	9727
6.944		1729	2236

LANCASTER LABORATORIES

Sample Number: 8570354ACF DF50 ACA5113 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 5:53:45 AM 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: 25pcbs16207031B.0054.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.1		10238	12385
2.145		14968	10533
2.219		6925	8142
2.297		4954	4640
2.35		61785	43603
2.406		1223	1059
2.45		2889	2903
2.478		3147	2083
2.517		2015	3692
2.579		3219	2435
2.599	TCX	152813	85216
2.624		1396	1200
2.659		2408	1724
2.703		4165	7822
2.77		8411	4702
2.83		1791	1013
2.905		90461	86601
2.996		1605	1879
3.056		1902	1752
3.09		4801	7475
3.154		2449	1701
3.186		2221	1473
3.214		7065	11426
3.249		16897	18690
3.294		1594	1258
3.311		2265	1084
3.338		2234	1551
3.369		4877	4620
3.411		6502	9122
3.478		9463	10316
3.513		13241	6986
3.536		26302	17258
3.57		5343	7017
3.64		11296	10149
3.661		4286	2227
3.683		5171	3838
3.712		18505	15520
3.763		5136	4929
3.814		15283	16455
3.858		356248	241819
3.884		16944	9187
3.904		12204	6192
3.923		124780	82997
3.958		499250	326625
3.989		88987	110936
4.067		18711	22085
4.1		77793	79165
4.128		18980	16632
4.156		142917	94907
4.198		300200	181198
4.216		284417	139674
4.229		1130020	611328
4.255		597205	567271
4.306		3763684	2696087

RT B	Compound B	Height B	Area B
4.353		66194	64873
4.375		199136	123240
4.399		941627	695341
4.441		5504185	3969898
4.497		6285	4102
4.543		3980864	3547923
4.594		500799	412962
4.633		1290891	1040361
4.668		6363385	4925262
4.701		3235203	2167120
4.739		2185221	1651992
4.796		11220	6525
4.809		6146	2652
4.837		663881	671537
4.887		4039547	3132316
4.91		471505	300182
4.96		2245063	1900805
4.996		1135803	866650
5.025		849143	677839
5.058		139723	81088
5.079		11525440	9438883
5.121		211063	149847
5.152		275259	228711
5.197		9392	7180
5.217		15270	9281
5.271		85252	51215
5.294		1891948	1490423
5.337		6995776	7410640
5.441		4296	5697
5.492		99559	80302
5.538		215108	160202
5.562		50571	30260
5.584		7774	4108
5.61		1179736	965063
5.652		8955	7983
5.691		3542	2459
5.717		2881612	2322615
5.748		141481	107914
5.829		5849	4733
5.857		2158	3063
5.916		499340	431935
5.962		2737	2088
6.002		2616	2225
6.03		2131	1449
6.075	DCB	151793	124700
6.113		3638	3963
6.175		1573	1920
6.247		8020	5690
6.275		21329	18801
6.34		3292	3215
6.449		1046	1896
6.497		1378	1012
6.518		3371	2726
6.553		3788	3036
6.696		2050	2303
6.787		432	2491
6.858		1515	2607
6.916		1584	1824
6.97		6233	6976

8570354ACF DF50 ACA5113 T 162530010A 10225 SW-846 8082

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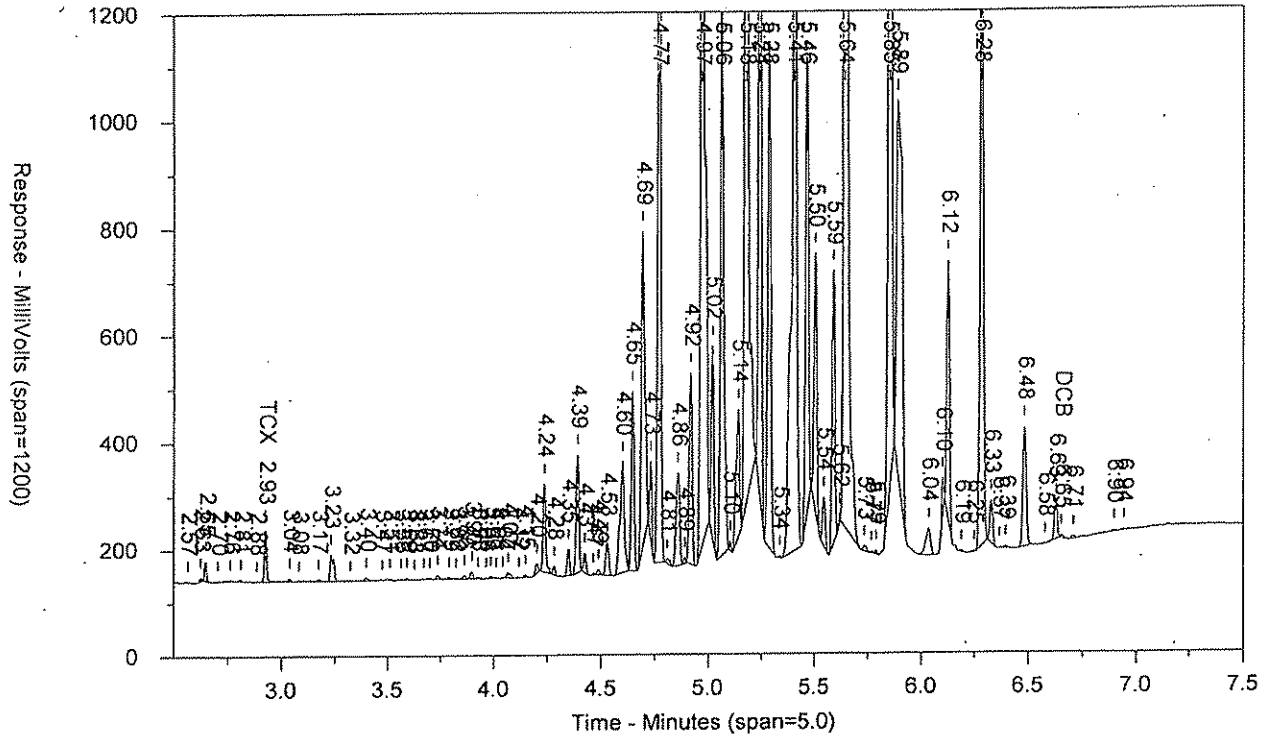

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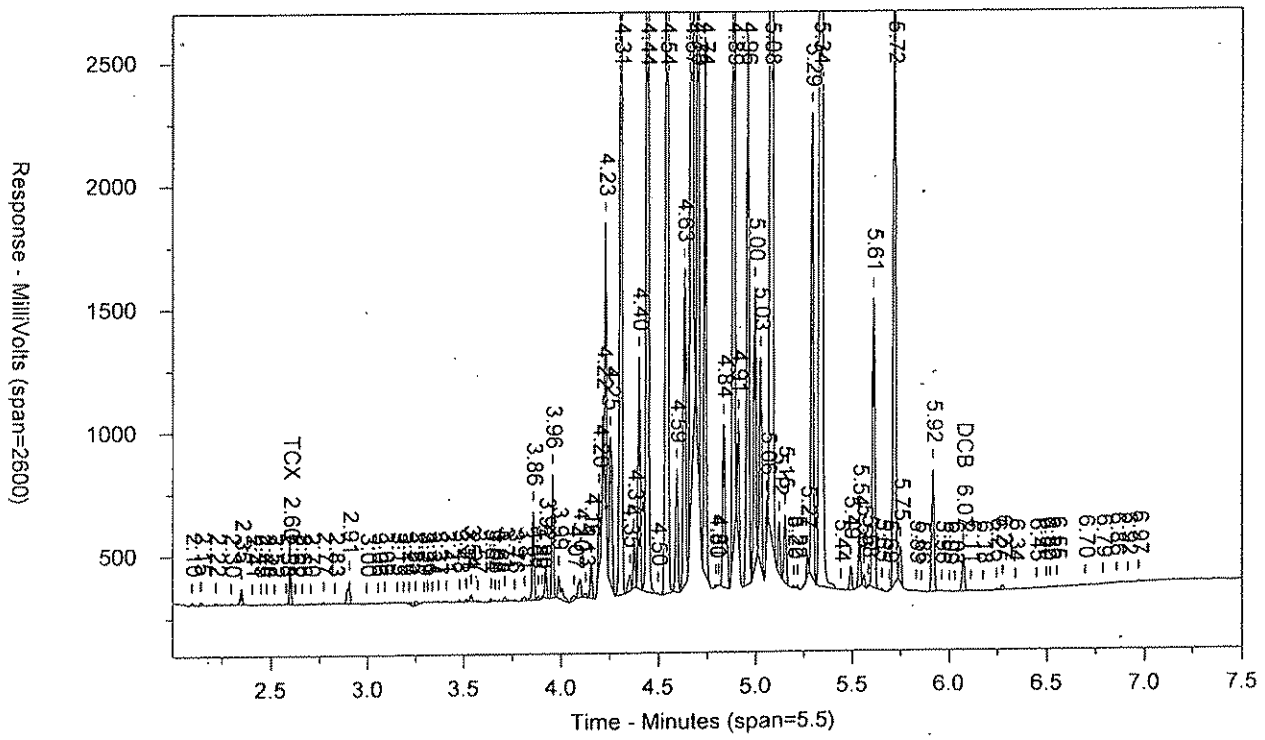

LANCASTER LABORATORIES

Sample Number: 8570354ACF DF50 ACA5113 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 5:53:45 AM
Sample Weight: 10.1
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: 4
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	97360	35.624	TCX	2.599	152813	30.801	TCX
6.654	5698	4.22	DCB	6.075	151793	39.501	DCB

Files:
Area File: 25pcbs16207031.0054.RAW
Area File: 25pcbs16207031B.0054.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 6:02:17 AM
File Reported On: 9/12/2016 at 6:02:29 AM

8570354ACF DF50 ACA5113 T 162530010A 10225 SW-846 8082

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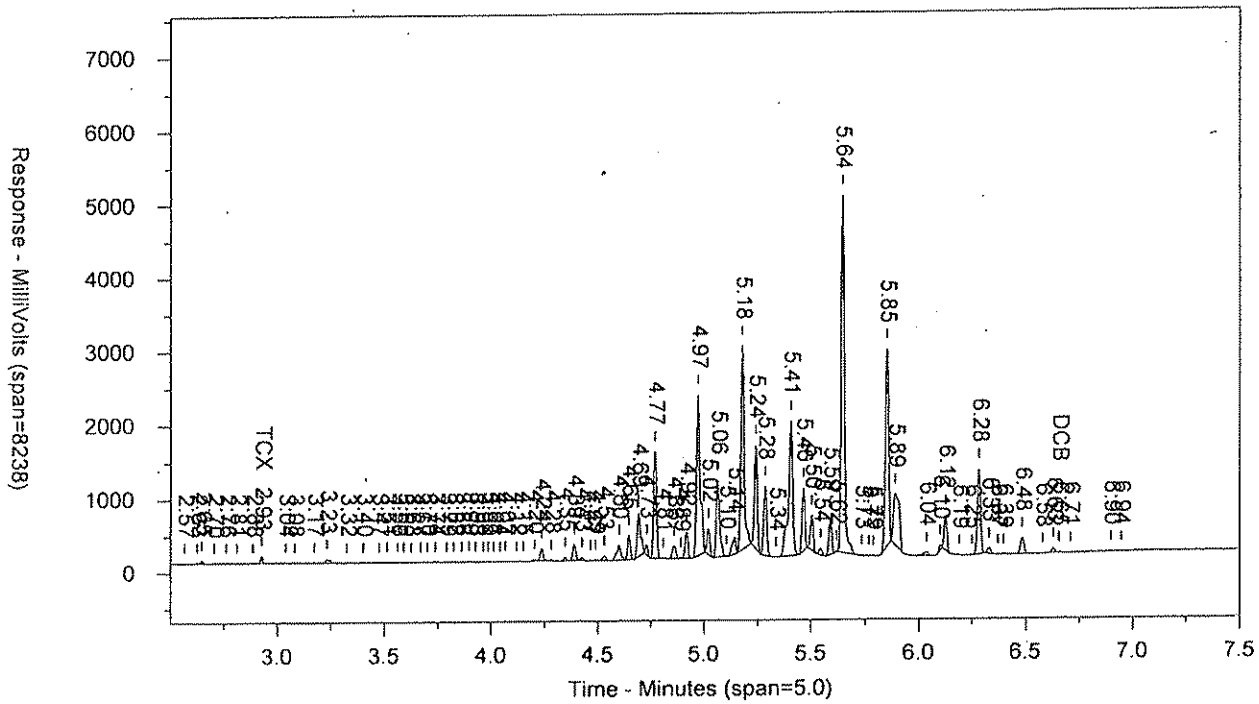

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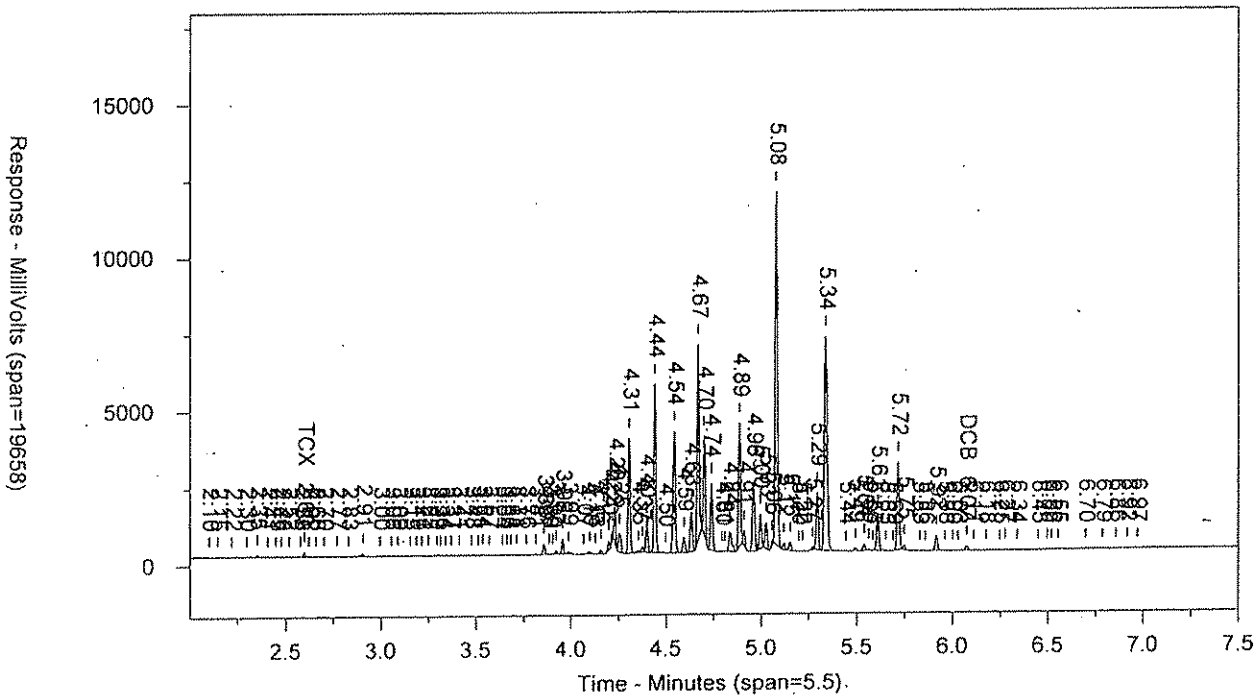

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Data Summary

Sample Name: 8570355 ACF DF20 A5114 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.47 g Total Volume: 200 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 06:05:36
Instrument	18274A
Result file	25PCBS16207031.0055.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 104% (46 - 148) Conc: 29.16811
%SSR(DCB) * 8% (49 - 139) Conc: 2.25273

Analysis Report (B)

Injected on	Sep 12, 2016 06:05:36
Instrument	18274B
Result file	25PCBS16207031B.0055.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 95% (46 - 148) Conc: 26.438
%SSR(DCB) 114% (49 - 139) Conc: 31.90987

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	206589	29.16811
Decachlorobiphenyl	6.60	6.66	6.66	7883	2.25273

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	339935	26.438
Decachlorobiphenyl	6.05	6.08	6.11	317789	31.90987

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
✓	Tetrachloro-m-xylene	A	29.16811				9.82	
✓	Decachlorobiphenyl	A	2.25273			P	173.62	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**23.40**	
4.76	4.77	4.80	1940200	9309.58279			1
4.96	4.97	5.00	2756095	12221.735306			2
5.23	5.24	5.27	1807748	13169.385989			3
5.40	5.41	5.44	2395968	13950.150053			4
5.64	5.65	5.68	6529506	18213.628034			5
5.84	5.85	5.88	3512906	17183.769541			6

Height summation: **18942423**
Concentration CF: **14008.041952** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**24.64**	
4.29	4.31	4.33	4751822	9349.486232			1
4.43	4.44	4.47	6937781	12059.53097			2
4.53	4.54	4.57	4954085	10325.451203			3
4.88	4.89	4.92	5409850	14147.207748			4
5.07	5.08	5.11	14945890	17632.985442			5
5.33	5.34	5.37	9161984	16132.065293			6

Height summation: **46161412**
Concentration CF: **13274.454481** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<974.212	<189.1118			4	
✓	PCB-1221			<974.212	<292.2636			3	
✓	PCB-1232			<974.212	<234.957			4	
✓	PCB-1242			<974.212	<234.957			4	
✓	PCB-1248			<974.212	<189.1118			4	
✓	PCB-1254			<974.212	<252.149			4	
✓	PCB-1260	A	14008.041952	974.212	223.4957		5.38	4	

Units: ug/kg

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

Valerie L. Tomtyko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist
Date: SEP 20 2016

Verified by:
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570355** ACF DF20 A5114 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.47 g Total Volume: 200 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:05:36
Instrument : P 25--18274A
Result file : 25PCBS16207031.0055.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 104% (46-148) Conc.: 29.16811
%SSR(DCB) : *8% (49-139) Conc.: 2.25273

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	33.88	
3.17	3.18	3.21	3436.474	28.67156			1
3.39	3.40	3.43	4600.936	39.050639			2
3.51	3.52	3.55	2730.591	19.074077			3
3.73	3.74	3.77	8141.216	50.164456			4
3.79	3.80	3.83	4751.997	34.383836			5
+ 3.79	3.83	3.83	1879.96	13.602752			5
3.98	3.99	4.02	2640.167	24.764308			6
Height Summation:			26301.381				
Amount Avg CF:			32.684813	Linear:			
Aroclor-1221					2	32.44	
3.07	3.07	3.11	2042.435	33.233525			1
3.17	3.18	3.21	3436.474	20.831791			3
Height Summation:			5478.909				
Amount Avg CF:			27.032658	Linear:			
Aroclor-1232					6	46.09	
3.17	3.18	3.21	3436.474	21.446537			1
3.39	3.40	3.43	4600.936	70.282837			2
3.51	3.52	3.55	2730.591	34.218837			3
3.73	3.74	3.77	8141.216	91.665774			4
3.79	3.80	3.83	4751.997	63.607691			5
+ 3.79	3.83	3.83	1879.96	25.164139			5
3.99	3.99	4.02	2640.167	49.901291			6
Height Summation:			26301.381				
Amount Avg CF:			55.187161	Linear:			
Aroclor-1242					6	34.78	
3.17	3.18	3.21	3436.474	39.234019			1
3.39	3.40	3.43	4600.936	55.75835			2
3.51	3.52	3.55	2730.591	26.616261			3
3.73	3.74	3.77	8141.216	71.210302			4
3.79	3.80	3.83	4751.997	48.155363			5
+ 3.79	3.83	3.83	1879.96	19.050971			5
3.98	3.99	4.02	2640.167	34.953609			6
Height Summation:			26301.381				
Amount Avg CF:			45.987984	Linear:			
Aroclor-1248					6	221.65	
3.79	3.80	3.83	4751.997	60.682274			1
+ 3.79	3.83	3.83	1879.96	24.006801			1
3.85	3.86	3.89	6451.602	48.763682			2
3.98	3.99	4.02	2640.167	17.490728			3
4.07	4.07	4.11	13049.19	106.035457			4
4.25	4.29	4.29	12101.35	93.243298			5
4.64	4.65	4.68	358233.2	3781.649263			6
Height Summation:			397227.506				
Amount Avg CF:			684.644117	Linear:			
Aroclor-1254					6	138.60	
4.23	4.24	4.27	176693	1108.986673			1
4.58	4.60	4.62	263271.5	1722.264613			2
4.64	4.65	4.68	358233.2	1248.049981			3
E 4.77	4.77	4.81	1940200	20832.360709			4
4.86	4.86	4.90	168338.2	922.129893			5
+ 4.86	4.89	4.90	15036.08	82.365255			5
5.06	5.07	5.10	1305368	8646.860004			6
Height Summation:			4212103.9				
Amount Avg CF:			5746.775312	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 06:05:36
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0055.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 95% (46-148) Conc.: 26.438
%SSR(DCB) : 114% (49-139) Conc.: 31.90987

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	172.71	
2.87	2.91	2.91	94643.8	448.983981			1
3.19	3.21	3.23	5202.068	19.937636			2
3.39	3.41	3.43	7237.502	25.947457			3
3.46	3.48	3.50	10872.79	37.928644			4
3.63	3.64	3.67	11417.79	46.866858			5
+ 3.63	3.66	3.67	5219.187	21.423314			5
3.72	3.73	3.76	3479.881	16.625914			6
Height Summation:			132853.831				
Amount Avg CF:			99.381748	Linear:			
Aroclor-1221					3	92.89	
2.75	2.77	2.79	12007.23	102.074957			1
2.81	2.83	2.85	3246.336	43.308807			2
+ 2.81	2.85	2.85	2652.833	35.390986			2
2.87	2.91	2.91	94643.8	313.426925			3
Height Summation:			109897.366				
Amount Avg CF:			152.936897	Linear:			
Aroclor-1232					6	107.99	
2.87	2.91	2.91	94643.8	320.038323			1
3.20	3.21	3.24	5202.068	36.83604			2
3.39	3.41	3.43	7237.502	48.079774			3
3.47	3.48	3.51	10872.79	73.618567			4
3.63	3.64	3.67	11417.79	98.790566			5
+ 3.63	3.66	3.67	5219.187	45.158164			5
3.72	3.73	3.76	3479.881	32.783778			6
Height Summation:			132853.831				
Amount Avg CF:			101.691175	Linear:			
Aroclor-1242					6	171.24	
2.87	2.91	2.91	94643.8	609.366296			1
3.20	3.21	3.24	5202.068	27.060473			2
3.39	3.41	3.43	7237.502	35.688621			3
3.47	3.48	3.51	10872.79	55.379944			4
3.63	3.64	3.67	11417.79	64.737604			5
+ 3.63	3.66	3.67	5219.187	29.592212			5
3.72	3.73	3.76	3479.881	22.645962			6
Height Summation:			132853.831				
Amount Avg CF:			135.81315	Linear:			
Aroclor-1248					6	145.96	
+ 3.50	3.51	3.54	13674.94	48.768361			1
3.50	3.54	3.54	33850.52	120.719679			1
3.63	3.64	3.67	11417.79	33.677061			2
+ 3.63	3.66	3.67	5219.187	15.394124			2
3.72	3.73	3.76	3479.881	14.064257			3
3.85	3.86	3.89	383840.1	816.227883			4
+ 3.85	3.89	3.89	9652.618	20.526089			4
+ 4.21	4.22	4.25	249270.3	1175.462393			5
4.21	4.23	4.25	1465394	6910.231736			5
+ 4.37	4.38	4.40	142334.1	1119.776797			6
4.37	4.40	4.40	1259499	9908.783316			6
Height Summation:			3157481.291				
Amount Avg CF:			2967.283989	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570355** ACF DF20 A5114 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.47 g Total Volume: 200 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:05:36
Instrument : P 25--18274A
Result file : 25PCBS16207031.0055.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	23.40	
4.76	4.77	4.80	1940200	9309.58279			1
4.96	4.97	5.00	2756095	12221.735306			2
5.23	5.24	5.27	1807748	13169.385989			3
5.40	5.41	5.44	2395968	13950.150053			4
5.64	5.65	5.68	6529506	18213.628034			5
5.84	5.85	5.88	3512906	17183.769541			6
Height Summation:			18942423				
Amount Avg CF:			14008.041952	Linear:			
Aroclor-1262					5	24.37	
E 5.23	5.24	5.27	1807748	7355.989685			1
E 5.40	5.41	5.44	2395968	11185.263372			2
E 5.64	5.65	5.68	6529506	13367.296923			3
E 5.84	5.85	5.88	3512906	12561.158621			4
E 6.28	6.28	6.32	1480348	8522.252404			6
Height Summation:			15726476				
Amount Avg CF:			10598.392201	Linear:			
Aroclor-1268					5	91.45	
E 5.84	5.85	5.88	3512906	6180.998043			1
6.03	6.04	6.07	61298.48	133.134999			3
+ 6.10	6.10	6.14	72641.27	569.171098			4
E 6.10	6.13	6.14	580702.6	4550.018692			4
E 6.28	6.28	6.32	1480348	7503.923734			5
6.48	6.48	6.52	290857.7	215.444514			6
Height Summation:			5926112.78				
Amount Avg CF:			3716.703996	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 06:05:36
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0055.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	128.83	
4.15	4.16	4.19	121487.2	316.995926			1
+ 4.21	4.22	4.25	249270.3	374.074629			2
4.21	4.23	4.25	1465394	2199.085558			2
4.30	4.31	4.34	4751822	15134.859426			3
+ 4.37	4.38	4.41	142334.1	336.015031			4
4.37	4.40	4.41	1259499	2973.360533			4
E 4.43	4.44	4.47	6937781	27311.497704			5
4.58	4.60	4.62	611158.7	2065.315771			6
Height Summation:			15147141.9				
Amount Avg CF:			8333.519153	Linear:			
Aroclor-1260					6	24.64	
4.29	4.31	4.33	4751822	9349.486232			1
4.43	4.44	4.47	6937781	12059.53097			2
4.53	4.54	4.57	4954085	10325.451203			3
4.88	4.89	4.92	5409850	14147.207748			4
+ 4.88	4.91	4.92	573338.6	1499.32813			4
5.07	5.08	5.11	14945890	17632.985442			5
5.33	5.34	5.37	9161984	16132.065293			6
Height Summation:			46161412				
Amount Avg CF:			13274.454481	Linear:			
Aroclor-1262					6	32.74	
E 4.69	4.70	4.73	4114538	6321.227014			1
E 4.88	4.89	4.92	5409850	8145.305404			2
+ 4.88	4.91	4.92	573338.6	863.243527			2
E 5.07	5.08	5.11	14945890	12261.583849			3
E 5.28	5.30	5.32	2436246	4848.055724			4
E 5.33	5.34	5.37	9161984	11015.35991			5
E 5.71	5.72	5.75	3747267	8385.457394			6
Height Summation:			39815775				
Amount Avg CF:			8496.164883	Linear:			
Aroclor-1268					6	126.72	
5.29	5.30	5.33	2436246	1629.610774			1
E 5.33	5.34	5.37	9161984	6331.085291			2
5.49	5.49	5.53	122160.6	96.331127			3
5.55	5.56	5.59	59980.39	196.963813			4
E 5.71	5.72	5.75	3747267	7305.006839			5
5.91	5.92	5.95	634429.7	150.401986			6
Height Summation:			16162067.69				
Amount Avg CF:			2618.233305	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			974.212	189.1117		** 101.01	4	40	
Aroclor-1221			974.212	292.2636		** 139.92	3	5	
Aroclor-1232			974.212	234.957		** 59.29	4	10	
Aroclor-1242			974.212	234.957		** 98.82	4	30	
Aroclor-1248			974.212	189.1117		** 125.01	4	40	
Aroclor-1254			974.212	252.149	E	36.74	4	40	
Aroclor-1260			974.212	223.4957		5.38	4	40	
Aroclor-1262			974.212	189.1117	E	22.02	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570355** ACF DF20 A5114 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.47 g Total Volume: 200 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:05:36
Instrument : P 25--18274A
Result file : 25PCBS16207031.0055.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 12, 2016 06:05:36
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0055.RAW
Calibration file : 25PCBS1620701B.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			974.212	189.1117	E	34.68	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570355ACF DF20 ACA5114 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:05:36 AM 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: 25pcbs16207031.0055.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.007		3370	2097
2.038		11299	10411
2.089		10484	11472
2.138		68342	68473
2.198		79975	57218
2.284		1900	1076
2.31		7696	5078
2.383		38215	29674
2.425		3291	2315
2.491		4003	3436
2.559		3471	5118
2.628		7620	4451
2.649		46077	29591
2.764		3387	5373
2.801		2826	3071
2.845		1132	1078
2.883		1106	1378
2.926	TCX	206589	144464
3.011		1351	1067
3.04		6476	4169
3.072		2042	3132
3.179		3436	5242
3.234		52704	70846
3.329		1549	1497
3.357		738	640
3.402		4601	6332
3.478		2332	3071
3.518		2731	1956
3.567		2589	4171
3.595		4468	2777
3.625		1660	2278
3.675		1452	827
3.702		3034	4152
3.743		8141	7365
3.795		4752	3736
3.826		1880	1879
3.865		6452	4924
3.9		18953	15513
3.931		3967	4278
3.969		2065	1306
3.99		2640	1557
4.045		3063	2143
4.07		13049	14381
4.122		2569	2531
4.151		6104	5189
4.205		21572	19210
4.24		176693	152193
4.286		12101	8817
4.31		1434	928
4.351		57338	47205
4.395		232065	217335
4.429		26550	21601
4.468		4961	3552
4.493		9892	7254

RT A	Compound A	Height A	Area A
4.533		65275	68170
4.603		263272	327581
4.65		358233	322853
4.695		764704	876084
4.733		176620	129766
4.773		1940200	1806769
4.808		10151	11713
4.861		168338	213218
4.894		15036	8990
4.921		437192	431511
4.973		2756095	3286177
5.023		444344	418150
5.066		1305368	1436406
5.108		15301	8823
5.146		293895	351357
5.182		3611097	3826620
5.244		1807748	1651422
5.288		1281012	1204233
5.34		8493	7020
5.409		2395968	3145145
5.467		1117183	1042373
5.507		613420	547783
5.547		110734	107039
5.593		590465	566755
5.621		19014	10372
5.648		6529506	6504722
5.737		14836	15432
5.771		4034	2464
5.791		10922	7721
5.855		3512906	3593469
5.892		850368	1682588
6.038		61298	99512
6.104		72641	60288
6.127		580703	525193
6.193		3433	3605
6.25		3557	2998
6.284		1480349	1496870
6.329		100060	98558
6.37		1637	1285
6.397		5675	7395
6.484		290858	303760
6.63		136246	137183
6.656	DCB	7883	6354
6.707		6204	5918
6.879		1070	5743
6.912		1213	1843
6.948		2718	3576

LANCASTER LABORATORIES

Sample Number: 8570355ACF DF20 ACA5114 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:05:36 AM 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: 25pcbs16207031B.0055.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.101		11605	14870
2.145		53754	37568
2.218		7027	8116
2.265		4769	4987
2.297		7415	7268
2.35		79165	61547
2.428		1072	1327
2.449		2828	1783
2.477		5592	4123
2.575		4008	3122
2.599	TCX	339935	198501
2.661		2798	1247
2.695		3805	7212
2.769		12007	11476
2.796		2372	2208
2.828		3246	2443
2.849		2653	2201
2.905		94644	97072
2.936		3120	2473
3.02		2889	2412
3.054		2505	2029
3.09		3557	1970
3.11		2758	2084
3.163		1646	1538
3.188		3819	2861
3.214		5202	6302
3.249		10607	7571
3.274		1914	892
3.312		2809	3823
3.342		3491	2391
3.359		3332	3816
3.412		7238	7978
3.436		2350	1549
3.479		10873	9748
3.514		13675	7521
3.538		33851	21814
3.571		6313	8916
3.642		11418	8592
3.664		5219	3198
3.685		4513	2684
3.714		22311	12555
3.731		3480	2665
3.765		5907	5402
3.817		20677	21641
3.86		383840	253112
3.886		9653	4731
3.905		9812	4904
3.924		137774	92415
3.959		493482	331262
3.991		58222	32461
4.007		28008	14894
4.055		6453	3575
4.068		7297	4752
4.101		69499	83122

RT B	Compound B	Height B	Area B
4.131		32820	29524
4.158		121487	80185
4.2		399037	244639
4.218		249270	121549
4.231		1465394	828631
4.256		749249	724349
4.308		4751823	3425216
4.356		87244	81830
4.377		142334	86131
4.402		1259499	899616
4.444		6937781	5060332
4.498		12314	10606
4.545		4954085	4579122
4.597		611159	483921
4.635		1582933	1322768
4.671		7994121	6229799
4.703		4114538	2833606
4.741		2845672	2164088
4.798		24145	21779
4.839		871623	843655
4.89		5409851	4062690
4.913		573339	355324
4.963		2859990	2440396
4.998		1457269	1108723
5.028		1121739	865884
5.06		144800	77021
5.081		14945890	12242000
5.123		256744	185764
5.154		366326	287833
5.199		15432	11399
5.219		18408	11879
5.273		107671	64226
5.296		2436246	1878103
5.34		9161984	9502676
5.443		4843	7034
5.494		122161	102560
5.54		254308	203780
5.563		59980	37591
5.612		1503968	1297066
5.654		10286	9444
5.692		5735	3448
5.719		3747267	2954917
5.75		189037	138626
5.831		7717	5821
5.86		2752	3978
5.917		634430	535657
5.964		4347	4338
6.002		3149	3036
6.032		1611	1184
6.075	DCB	317789	271900
6.111		4537	4340
6.166		2335	3165
6.203		2060	2072
6.248		8310	6077
6.275		32736	29238
6.34		4646	5058
6.442		1861	3346
6.493		4735	6664
6.554		7525	8992
6.697		1351	2158
6.851		2241	2379
6.888		2028	2364
6.918		2112	1370
6.942		2291	1818
6.973		10068	9461

8570355ACF DF20 ACA5114 T 162530010A 10225 SW-846 8082

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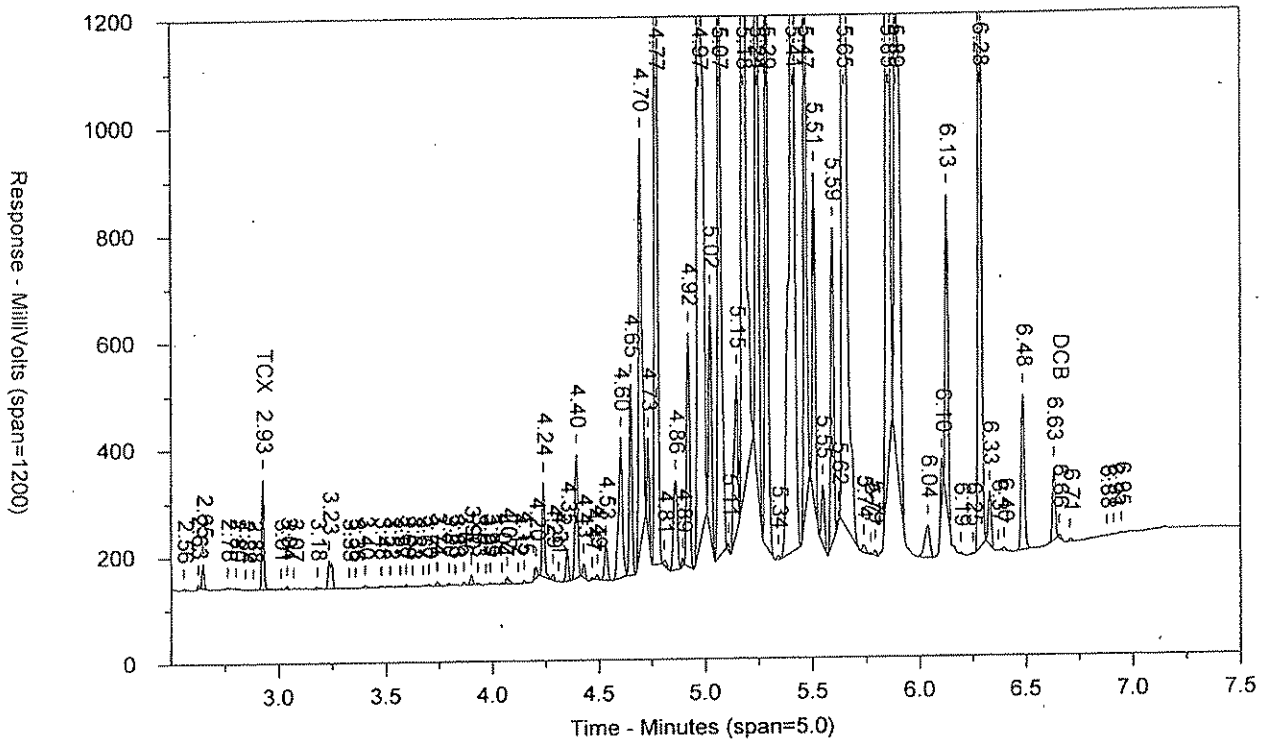

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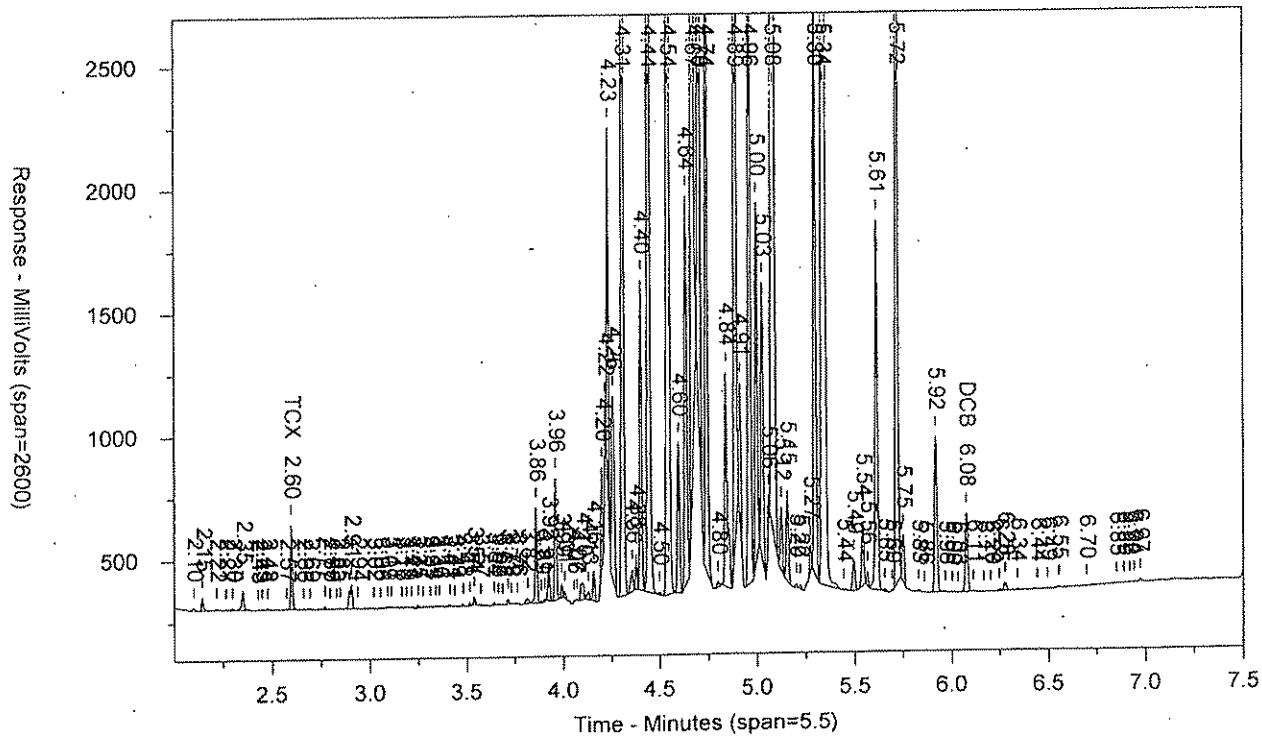

LANCASTER LABORATORIES

Sample Number: 8570355ACF DF20 ACA5114 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:05:36 AM
Sample Weight: 10.47
Dilution Factor: 200
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: 4
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
2.926	206589	29.168	TCX	2.599	339935	26.438	TCX
6.656	7883	2.253	DCB	6.075	317789	31.91	DCB

Files:
Area File: 25pcbs16207031.0055.RAW
Area File: 25pcbs16207031B.0055.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 6:14:07 AM
File Reported On: 9/12/2016 at 6:14:19 AM

8570355ACF DF20 ACA5114 T 162530010A 10225 SW-846 8082

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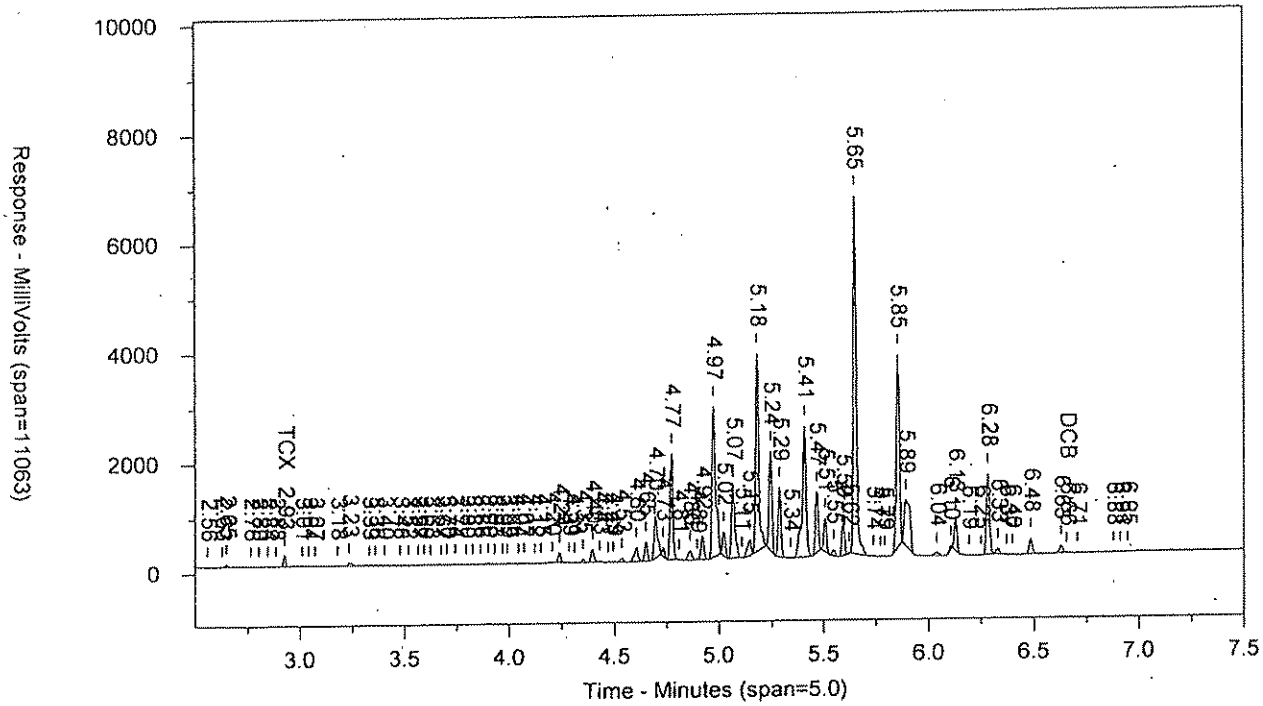

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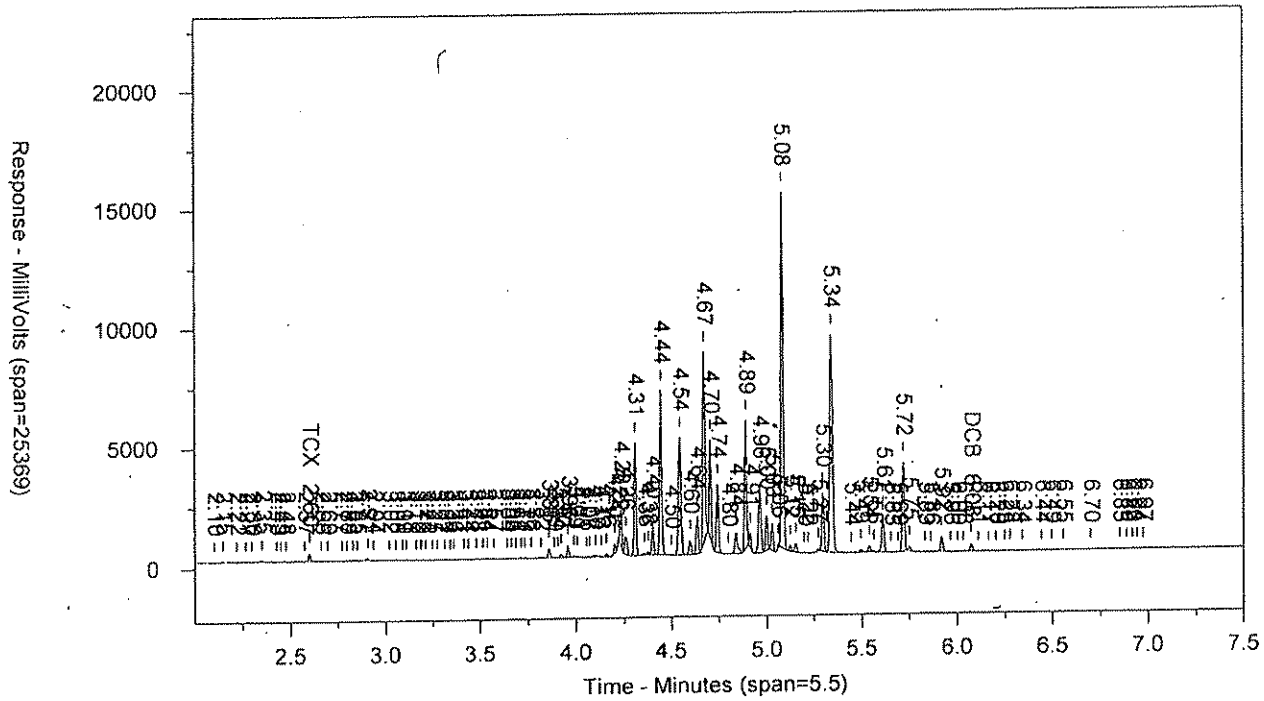

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Data Summary

Sample Name: 8570356 ACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.3 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 06:28:14
Instrument	18274A
Result file	25PCBS16207031.0057.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 128% (46 - 148) Conc: 36.37879
%SSR(DCB) * 38% (49 - 139) Conc: 10.70277

Analysis Report (B)

Injected on	Sep 12, 2016 06:28:14
Instrument	18274B
Result file	25PCBS16207031B.0057.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 107% (46 - 148) Conc: 30.45638
%SSR(DCB) * 140% (49 - 139) Conc: 39.8795

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	101390	36.37879
Decachlorobiphenyl	6.60	6.65	6.66	14737	10.70277

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	154098	30.45638
Decachlorobiphenyl	6.05	6.07	6.11	156284	39.8795

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	36.37879				17.72	
Decachlorobiphenyl	A	10.70277			P	115.36	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.78**	
4.76	4.77	4.80	945579.4	11530.049881			1
4.96	4.97	5.00	1257621	14172.221677			2
5.23	5.24	5.27	850317.6	15741.940662			3
5.40	5.40	5.44	1127930	16688.967895			4
5.64	5.64	5.68	2955953	20953.816088			5
5.84	5.85	5.88	1633978	20311.761161			6

Height summation: **8771379**
Concentration CF: **16566.459561** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**25.75**	
4.29	4.31	4.33	2285489	11427.630342			1
4.43	4.44	4.47	3045746	13454.048182			2
4.53	4.54	4.57	2295828	12160.023066			3
4.88	4.89	4.92	2598144	17266.256608			4
5.07	5.08	5.11	7208740	21612.892582			5
5.33	5.34	5.37	4191794	18756.415267			6

Height summation: **21625741**
Concentration CF: **15779.544341** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<2475.7282	<480.5825			4	
PCB-1221			<2475.7282	<742.7185			3	
PCB-1232			<2475.7282	<597.0874			4	
PCB-1242			<2475.7282	<597.0874			4	
PCB-1248			<2475.7282	<480.5825			4	
PCB-1254			<2475.7282	<640.7767			4	
PCB-1260	A	16566.459561	2475.7282	567.9612		4.87	4	
PCB-1262			<2475.7282	<480.5825			4	
PCB-1268			<2475.7282	<480.5825		-	4	
Total PCBs	A	16566.459561	2475.7282	480.5825				

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570356** ACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.3 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:28:14
Instrument : P 25--18274A
Result file : 25PCBS16207031.0057.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 128% (46-148) Conc.: 36.37879
%SSR(DCB) : *38% (49-139) Conc.: 10.70277

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	27.84	
3.17	3.17	3.21	3724.009	78.958421			1
3.39	3.40	3.43	3091.982	66.691176			2
3.51	3.51	3.55	2515.404	44.652325			3
3.73	3.74	3.77	5695.044	89.177106			4
3.79	3.79	3.83	2617.39	48.127807			5
+ 3.79	3.82	3.83	2583.635	47.50713			5
3.98	3.99	4.02	2301.179	54.852279			6
+ 3.98	4.01	4.02	1519.555	36.221022			6
Height Summation:			19945.008				
Amount Avg CF:			63.743186	Linear:			
Aroclor-1221					1		
3.07	3.07	3.11	966.6278	39.970254			1
Height Summation:			966.6278				
Amount Avg CF:			39.970254	Linear:			
Aroclor-1232					5	28.82	
3.39	3.40	3.43	3091.982	120.029919			2
3.51	3.51	3.55	2515.404	80.10614			3
3.73	3.74	3.77	5695.044	162.953795			4
3.79	3.79	3.83	2617.39	89.033076			5
+ 3.79	3.82	3.83	2583.635	87.884867			5
3.99	3.99	4.02	2301.179	110.530021			6
+ 3.99	4.01	4.02	1519.555	72.987128			6
Height Summation:			16220.999				
Amount Avg CF:			112.53059	Linear:			
Aroclor-1242					5	30.36	
3.39	3.40	3.43	3091.982	95.224817			2
3.51	3.51	3.55	2515.404	62.308545			3
3.73	3.74	3.77	5695.044	126.590204			4
3.79	3.79	3.83	2617.39	67.404115			5
+ 3.79	3.82	3.83	2583.635	66.534842			5
3.98	3.99	4.02	2301.179	77.421306			6
+ 3.98	4.01	4.02	1519.555	51.124199			6
Height Summation:			16220.999				
Amount Avg CF:			85.789797	Linear:			
Aroclor-1248					5	203.36	
3.79	3.79	3.83	2617.39	84.938305			1
+ 3.79	3.82	3.83	2583.635	83.842904			1
3.85	3.86	3.89	4291.6	82.432339			2
3.98	3.99	4.02	2301.179	38.741494			3
+ 3.98	4.01	4.02	1519.555	25.582465			3
4.25	4.28	4.29	12570.58	246.143621			5
4.64	4.65	4.68	214759.2	5761.249156			6
Height Summation:			236539.949				
Amount Avg CF:			1242.700983	Linear:			
Aroclor-1254					6	134.40	
4.23	4.24	4.27	102505.5	1634.946767			1
4.58	4.60	4.62	134890.6	2242.472792			2
4.64	4.65	4.68	214759.2	1901.373289			3
4.77	4.77	4.81	945579.4	25801.173214			4
4.86	4.86	4.90	115120.1	1602.544308			5
+ 4.86	4.89	4.90	7867.703	109.523382			5
5.06	5.06	5.10	597551.7	10058.898304			6
Height Summation:			2110406.5				
Amount Avg CF:			7206.901445	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 06:28:14
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0057.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 107% (46-148) Conc.: 30.45638
%SSR(DCB) : *140% (49-139) Conc.: 39.8795

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	158.24	
2.87	2.91	2.91	76826.45	926.187485			1
3.39	3.41	3.43	4911.544	44.747998			3
3.46	3.48	3.50	5905.23	52.349507			4
3.63	3.64	3.67	7209.441	75.202945			5
+ 3.63	3.66	3.67	4596.867	47.950727			5
Height Summation:			94852.665				
Amount Avg CF:			274.621984	Linear:			
Aroclor-1221					3	119.72	
+ 2.75	2.76	2.79	1046.332	22.604523			1
2.75	2.77	2.79	3562.656	76.966145			1
2.81	2.83	2.85	2676.484	90.739603			2
2.87	2.91	2.91	76826.45	646.553347			3
Height Summation:			83065.59				
Amount Avg CF:			271.419698	Linear:			
Aroclor-1232					5	115.66	
2.87	2.91	2.91	76826.45	660.191683			1
3.39	3.41	3.43	4911.544	82.91655			3
3.47	3.48	3.51	5905.23	101.609109			4
3.63	3.64	3.67	7209.441	158.520151			5
+ 3.63	3.66	3.67	4596.867	101.07525			5
3.72	3.76	3.76	3270.444	78.298022			6
Height Summation:			98123.109				
Amount Avg CF:			216.307103	Linear:			
Aroclor-1242					4	157.04	
2.87	2.91	2.91	76826.45	1257.032459			1
3.39	3.41	3.43	4911.544	61.54724			3
3.47	3.48	3.51	5905.23	76.435973			4
3.63	3.64	3.67	7209.441	103.87849			5
+ 3.63	3.66	3.67	4596.867	66.234761			5
Height Summation:			94852.665				
Amount Avg CF:			374.72354	Linear:			
Aroclor-1248					5	127.08	
+ 3.50	3.51	3.54	8429.156	76.39172			1
3.50	3.54	3.54	18286.13	165.723462			1
3.63	3.64	3.67	7209.441	54.038488			2
+ 3.63	3.66	3.67	4596.867	34.455895			2
3.85	3.86	3.89	215229.8	1163.089006			4
+ 3.85	3.88	3.89	13078.5	70.675434			4
+ 4.21	4.22	4.25	186902.6	2239.767875			5
4.21	4.23	4.25	646730.8	7750.169713			5
+ 4.37	4.37	4.40	136956	2738.123505			6
4.37	4.40	4.40	592258.1	11840.852716			6
Height Summation:			1479714.271				
Amount Avg CF:			4194.774677	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570356** ACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.3 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:28:14
Instrument : P 25--18274A
Result file : 25PCBS16207031.0057.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	21.78	
4.76	4.77	4.80	945579.4	11530.049881			1
4.96	4.97	5.00	1257621	14172.221677			2
5.23	5.24	5.27	850317.6	15741.940662			3
5.40	5.40	5.44	1127930	16688.967895			4
5.64	5.64	5.68	2955953	20953.816088			5
5.84	5.85	5.88	1633978	20311.761161			6
Height Summation:			**8771379**				
Amount Avg CF:			**16566.459561**	Linear:			
Aroclor-1262					5	21.97	
5.23	5.24	5.27	850317.6	8792.934858			1
E 5.40	5.40	5.44	1127930	13381.254008			2
E 5.64	5.64	5.68	2955953	15378.368373			3
E 5.84	5.85	5.88	1633978	14847.688291			4
E 6.28	6.28	6.32	742178.6	10857.965682			6
Height Summation:			**7310357.2**				
Amount Avg CF:			**12651.642243**	Linear:			
Aroclor-1268					4	69.86	
5.84	5.85	5.88	1633978	7306.135925			1
6.03	6.03	6.07	31237.16	172.410432			3
+ 6.10	6.10	6.14	46045.58	916.846906			4
6.10	6.12	6.14	295257	5879.076057			4
6.28	6.28	6.32	742178.6	9560.541336			5
Height Summation:			**2702650.76**				
Amount Avg CF:			**5729.540938**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 06:28:14
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0057.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	124.20	
4.15	4.16	4.19	81409.75	539.820092			1
+ 4.21	4.22	4.25	186902.6	712.77511			2
4.21	4.23	4.25	646730.8	2466.384187			2
4.30	4.31	4.34	2285489	18498.939356			3
+ 4.37	4.37	4.41	136956	821.637542			4
4.37	4.40	4.41	592258.1	3553.122823			4
4.43	4.44	4.47	3045746	30469.692972			5
4.58	4.59	4.62	330584.8	2838.996191			6
Height Summation:			**6982218.45**				
Amount Avg CF:			**9727.825937**	Linear:			
Aroclor-1260					6	25.75	
4.29	4.31	4.33	2285489	11427.630342			1
4.43	4.44	4.47	3045746	13454.048182			2
4.53	4.54	4.57	2295828	12160.023066			3
4.88	4.89	4.92	2598144	17266.256608			4
+ 4.88	4.91	4.92	341321.8	2268.292206			4
5.07	5.08	5.11	7208740	21612.892582			5
5.33	5.34	5.37	4191794	18756.415267			6
Height Summation:			**21625741**				
Amount Avg CF:			**15779.544341**	Linear:			
Aroclor-1262					6	32.45	
4.69	4.70	4.73	1887460	7368.982617			1
E 4.88	4.89	4.92	2598144	9941.108928			2
+ 4.88	4.91	4.92	341321.8	1305.977341			2
E 5.07	5.08	5.11	7208740	15029.122294			3
5.28	5.29	5.32	1213051	6134.440943			4
E 5.33	5.34	5.37	4191794	12807.328821			5
E 5.71	5.72	5.75	1746148	9929.848778			6
Height Summation:			**18845337**				
Amount Avg CF:			**10201.805397**	Linear:			
Aroclor-1268					6	124.81	
5.29	5.29	5.33	1213051	2062.012407			1
5.33	5.34	5.37	4191794	7361.020592			2
5.49	5.49	5.53	63397.87	127.045597			3
5.55	5.56	5.59	30822.55	257.214347			4
5.71	5.72	5.75	1746148	8650.406272			5
+ 5.71	5.75	5.75	93442.69	462.914502			5
5.91	5.92	5.95	338202.1	203.749161			6
Height Summation:			**7583415.52**				
Amount Avg CF:			**3110.241396**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2475.728	480.5825		** 124.65	4	40	
Aroclor-1221			2475.728	742.7184		** 148.66	3	5	
Aroclor-1232			2475.728	597.0873		** 63.12	4	10	
Aroclor-1242			2475.728	597.0873		** 125.48	4	30	
Aroclor-1248			2475.728	480.5825		** 108.58	4	40	
Aroclor-1254			2475.728	640.7767		29.77	4	40	
Aroclor-1260			2475.728	567.9611		4.87	4	40	
Aroclor-1262			2475.728	480.5825	E	21.44	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570356** ACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.3 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:28:14
Instrument : P 25--18274A
Result file : 25PCBS16207031.0057.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 12, 2016 06:28:14
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0057.RAW
Calibration file : 25PCBS1620701B.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			2475.728	480.5825		** 59.26	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570356ACF DF50 ACA5115 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:28:14 AM 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: 25pcbs16207031.0057.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.009		2458	2088
2.037		4995	5973
2.088		10241	13886
2.136		9265	11070
2.197		26565	19975
2.283		1239	780
2.309		8105	6269
2.381		10812	10519
2.408		2042	1275
2.49		4413	5748
2.563		2064	4039
2.627		2748	1610
2.648		23094	15508
2.707		1545	1927
2.763		2961	4913
2.811		3569	2908
2.883		1049	922
2.925	TCX	101390	69673
3.013		1048	833
3.04		2774	1843
3.068		967	654
3.173		3724	4645
3.232		42125	46007
3.327		895	705
3.4		3092	4270
3.48		1242	1739
3.514		2515	1747
3.563		1594	2607
3.591		2571	1718
3.625		1357	1704
3.67		1875	1144
3.738		5695	5599
3.792		2617	2091
3.824		2584	2441
3.861		4292	3131
3.896		9845	7963
3.927		2152	2258
3.964		1363	862
3.986		2301	1542
4.012		1520	1099
4.041		1962	1487
4.066		6633	7901
4.116		1417	1197
4.148		3966	3823
4.201		20582	18597
4.236		102506	88143
4.282		12571	9578
4.309		2113	1363
4.348		28224	23635
4.391		127573	120298
4.425		30546	24264
4.464		3554	2381
4.488		7489	5951
4.53		42744	43708

RT A	Compound A	Height A	Area A
4.599		134891	184578
4.645		214759	196586
4.69		377775	430658
4.729		94830	71236
4.769		945579	889723
4.817		6376	6829
4.859		115120	137315
4.89		7868	4583
4.915		220245	218917
4.968		1257621	1555009
5.018		230356	210229
5.062		597552	694015
5.105		16729	10259
5.141		162431	189371
5.177		1636847	1773484
5.24		850318	795247
5.283		612613	597715
5.337		2055	1379
5.405		1127930	1571811
5.463		547505	516035
5.503		304576	277780
5.543		62776	60669
5.589		300795	286043
5.616		16791	9285
5.645		2955953	3066585
5.732		4594	4644
5.765		2439	1609
5.787		2728	1786
5.852		1633978	1712940
5.89		415565	844750
6.034		31237	49041
6.1		46046	33037
6.123		295257	270557
6.194		2471	2295
6.224		916	590
6.248		1138	764
6.281		742179	759468
6.326		54627	50308
6.364		1670	1348
6.393		2187	2409
6.481		156316	165076
6.627		67549	64209
6.653	DCB	14737	12463
6.706		3220	3206
6.896		4485	9419
6.962		432	1927

LANCASTER LABORATORIES

Sample Number: 8570356ACF DF50 ACA5115 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:28:14 AM 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: 25pcbs16207031B.0057.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.101		8593	9517
2.146		10824	9206
2.219		6885	7634
2.268		2022	1849
2.298		2462	2926
2.35		39128	27798
2.451		1973	1779
2.578		2909	2076
2.6	TCX	154098	90305
2.661		1735	809
2.702		3519	6019
2.755		1046	1465
2.769		3563	1856
2.797		1202	987
2.828		2676	3709
2.905		76826	63307
3.06		1348	1423
3.09		2247	1115
3.187		2394	1975
3.25		7171	7547
3.311		3274	3092
3.338		2321	1311
3.368		3333	3611
3.412		4912	7523
3.477		5905	6020
3.513		8429	4431
3.537		18286	13002
3.571		3906	5947
3.64		7209	6068
3.66		4597	2817
3.683		3257	2313
3.712		10859	6206
3.761		3270	3407
3.815		10256	11091
3.858		215230	144808
3.884		13079	6916
3.904		8728	4573
3.922		86365	57062
3.957		249945	167370
3.989		61659	35605
4.006		24843	18073
4.066		14244	19366
4.1		56429	56537
4.129		18726	15018
4.156		81410	54165
4.198		187522	119896
4.216		186903	85569
4.229		646731	359478
4.254		366828	354036
4.306		2285489	1664234
4.354		40380	43170
4.375		136956	84619
4.4		592258	431269
4.441		3045746	2302776

RT B	Compound B	Height B	Area B
4.496		8331	5110
4.543		2295828	2101278
4.595		330585	276351
4.633		785305	656084
4.668		3664247	2878218
4.701		1887460	1334881
4.739		1307570	1023417
4.796		10366	10218
4.836		427423	416149
4.887		2598144	1902781
4.911		341322	209845
4.96		1368484	1173285
4.995		701430	534939
5.025		528370	417701
5.057		68299	39058
5.079		7208741	5680221
5.12		127408	92464
5.152		180621	143303
5.197		6670	4670
5.216		6988	4675
5.27		59124	34875
5.293		1213051	926158
5.336		4191794	4452661
5.444		2860	3595
5.492		63398	52672
5.538		124417	94911
5.561		30823	19652
5.61		738679	650908
5.653		5038	4566
5.69		2405	1465
5.716		1746148	1425378
5.748		93443	66099
5.829		3369	2578
5.915		338202	277491
6.029		1222	886
6.074	DCB	156284	129331
6.113		2440	2489
6.179		1212	1383
6.207		1355	1498
6.245		4739	3558
6.273		47698	44604
6.341		2063	2738
6.449		1104	1308
6.496		1626	1250
6.517		3295	2882
6.552		3408	2807
6.655		1342	1526
6.879		2452	8118
6.918		1781	1377
6.971		4570	4675

8570356ACF DF50 ACA5115 T 162530010A 10225 SW-846 8082

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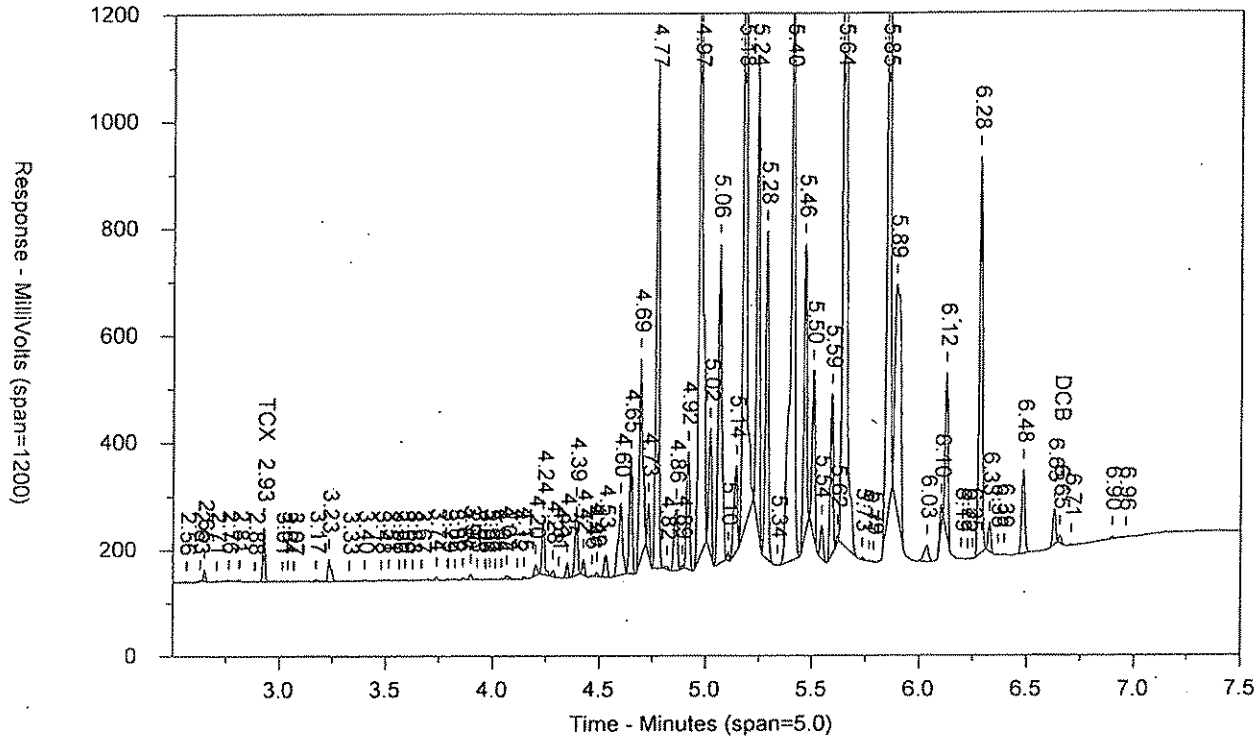

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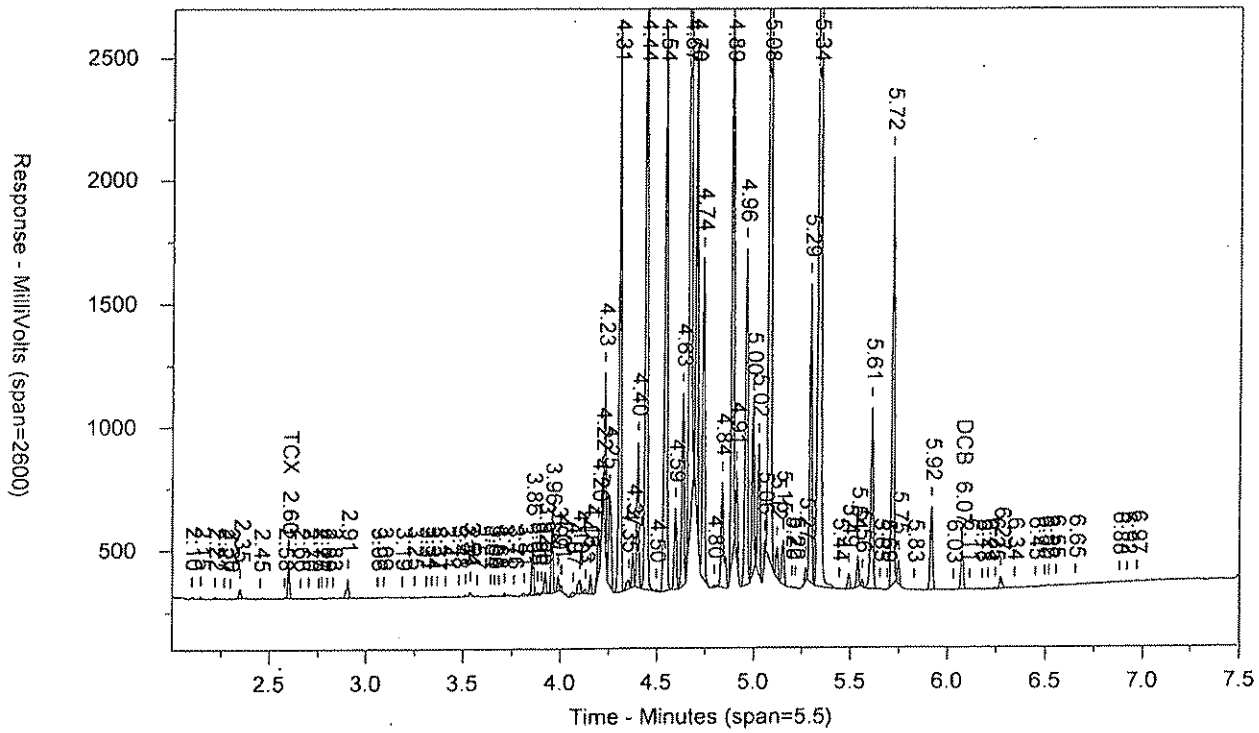

LANCASTER LABORATORIES

Sample Number: 8570356ACF DF50 ACA5115 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:28:14 AM
Sample Weight: 10.3
Dilution Factor: 500
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: 4
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	101390	36.379	TCX	2.6	154098	30.456	TCX
6.653	14737	10.703	DCB	6.074	156284	39.88	DCB

Files:
Area File: 25pcbs16207031.0057.RAW
Area File: 25pcbs16207031B.0057.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 6:36:45 AM
File Reported On: 9/12/2016 at 6:36:51 AM

8570356ACF DF50 ACA5115 T 162530010A 10225 SW-846 8082

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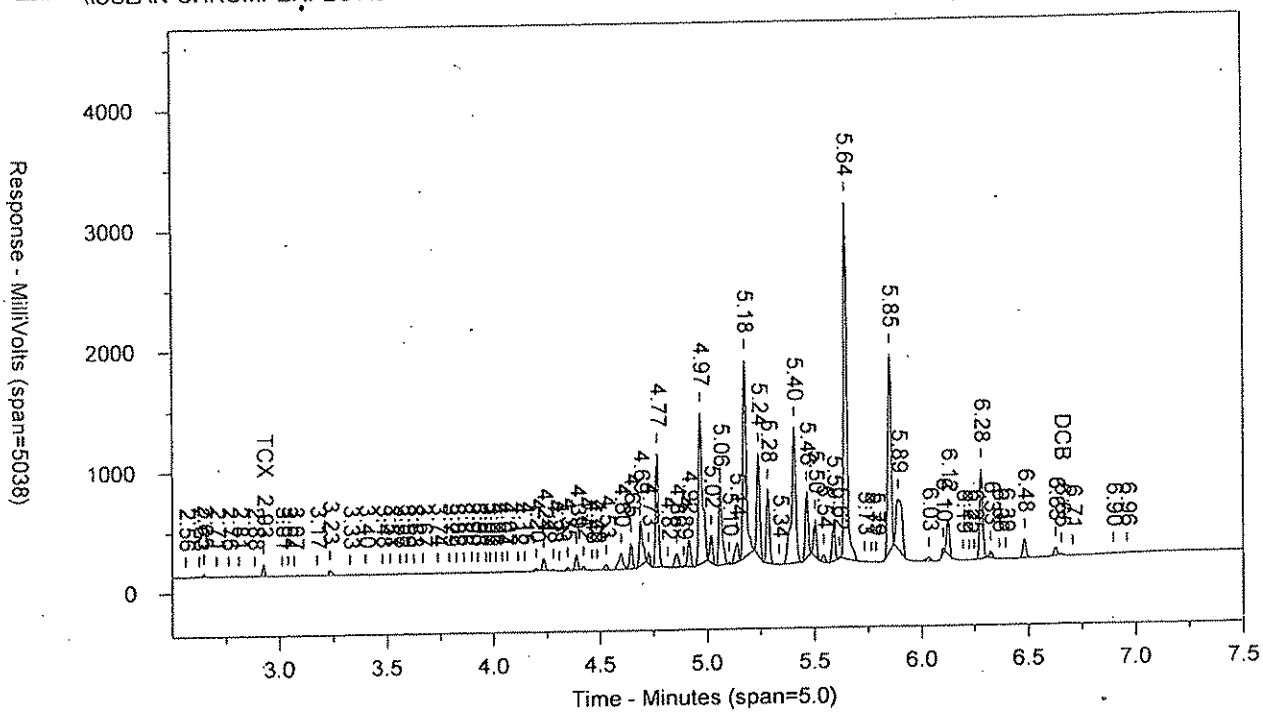

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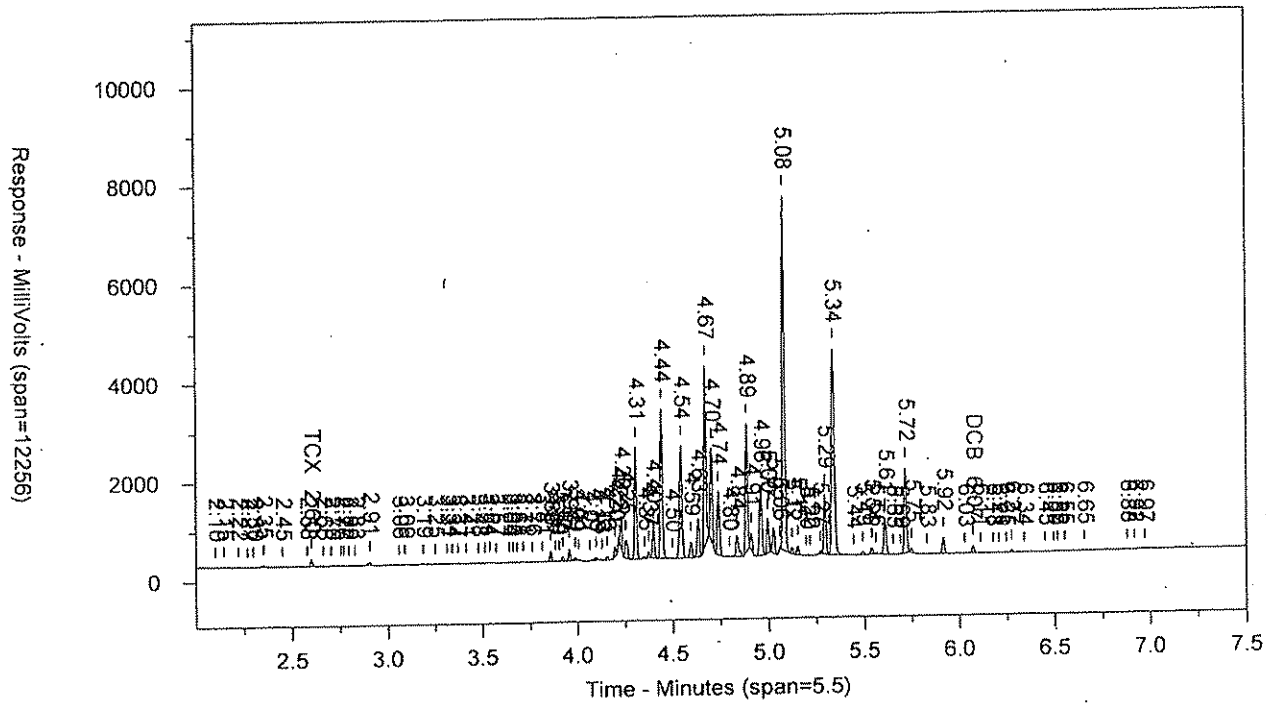

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Data Summary

Sample Name: 8570359 ACF DF50 A5116 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 07:02:05
Instrument	18274A
Result file	25PCBS16207031.0060.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 119% (46 - 148) Conc: 33.88284
%SSR(DCB) * 28% (49 - 139) Conc: 8.087217

Analysis Report (B)

Injected on	Sep 12, 2016 07:02:05
Instrument	18274B
Result file	25PCBS16207031B.0060.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 103% (46 - 148) Conc: 29.28411
%SSR(DCB) 132% (49 - 139) Conc: 37.44904

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	94251	33.88284
Decachlorobiphenyl	6.60	6.65	6.66	11114	8.087217

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	147879	29.28411
Decachlorobiphenyl	6.05	6.07	6.11	146474	37.44904

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	33.88284				14.56	
☑ Decachlorobiphenyl	A	8.087217			P	128.96	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.54**	
4.76	4.77	4.80	1128179	13783.366538			1
4.96	4.97	5.00	1616415	18250.935829			2
5.23	5.24	5.27	1053276	19537.248536			3
5.40	5.41	5.44	1373439	20361.080302			4
5.64	5.65	5.68	3719190	26415.453975			5
5.84	5.85	5.88	2018830	25144.62923			6

Height summation: **10909329**
Concentration CF: **20582.119068** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**23.41**	
4.29	4.31	4.33	2899049	14523.681422			1
4.43	4.44	4.47	4078929	18053.007061			2
4.53	4.54	4.57	2963105	15724.838793			3
4.88	4.89	4.92	3053233	20330.077347			4
5.07	5.08	5.11	8641961	25960.31424			5
5.33	5.34	5.37	5469797	24522.52729			6

Height summation: **27106074**
Concentration CF: **19852.407692** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2480.5448	<481.5175			4	
☑ PCB-1221			<2480.5448	<744.1634			3	
☑ PCB-1232			<2480.5448	<598.249			4	
☑ PCB-1242			<2480.5448	<598.249			4	
☑ PCB-1248			<2480.5448	<481.5175			4	
☑ PCB-1254			<2480.5448	<642.0234			4	
☑ PCB-1260	A	20582.119068	2480.5448	569.0662		3.61	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

Verified by:

Date: SEP 20 2016

Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570359** ACF DF50 A5116 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 07:02:05
Instrument : P 25--18274A
Result file : 25PCBS16207031.0060.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 119% (46-148) Conc.: 33.88284
%SSR(DCB) : *28% (49-139) Conc.: 8.087217

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	37.08	
3.17	3.18	3.21	2474.009	52.557308			1
3.39	3.40	3.43	3834.404	82.865431			2
3.51	3.51	3.55	1874.648	33.342655			3
3.73	3.74	3.77	6726.065	105.526482			4
3.79	3.79	3.83	3229.253	59.494089			5
3.98	3.99	4.02	3114.251	74.377571			6
+ 3.98	4.01	4.02	1636.126	39.075552			6
Height Summation:			21252.63				
Amount Avg CF:			68.027256	Linear:			
Aroclor-1221					2	21.76	
3.07	3.07	3.11	1256.978	52.077415			1
3.17	3.18	3.21	2474.009	38.186372			3
Height Summation:			3730.987				
Amount Avg CF:			45.131893	Linear:			
Aroclor-1232					5	55.42	
3.17	3.18	3.21	2474.009	39.313251			1
3.39	3.40	3.43	3834.404	149.140136			2
3.51	3.51	3.55	1874.648	59.816624			3
3.73	3.74	3.77	6726.065	192.829096			4
3.99	3.99	4.02	3114.251	149.87444			6
+ 3.99	4.01	4.02	1636.126	78.739147			6
Height Summation:			18023.377				
Amount Avg CF:			118.194709	Linear:			
Aroclor-1242					5	40.92	
3.17	3.18	3.21	2474.009	71.919156			1
3.39	3.40	3.43	3834.404	118.319185			2
3.51	3.51	3.55	1874.648	46.526856			3
3.73	3.74	3.77	6726.065	149.798748			4
3.98	3.99	4.02	3114.251	104.980301			6
+ 3.98	4.01	4.02	1636.126	55.153229			6
Height Summation:			18023.377				
Amount Avg CF:			98.308849	Linear:			
Aroclor-1248					5	202.87	
3.79	3.79	3.83	3229.253	104.998074			1
3.85	3.86	3.89	5825.858	112.11982			2
3.98	3.99	4.02	3114.251	52.531969			3
+ 3.98	4.01	4.02	1636.126	27.598585			3
4.25	4.28	4.29	16288.64	319.567205			5
4.64	4.65	4.68	272130.7	7314.531741			6
Height Summation:			300588.702				
Amount Avg CF:			1580.749762	Linear:			
Aroclor-1254					6	131.24	
4.23	4.24	4.27	130254	2081.572911			1
4.58	4.60	4.62	163765.8	2727.801835			2
4.64	4.65	4.68	272130.7	2413.999967			3
4.77	4.77	4.81	1128179	30843.494275			4
4.86	4.86	4.90	140412.2	1958.429046			5
+ 4.86	4.89	4.90	10700.79	149.251546			5
5.06	5.06	5.10	772568.4	13030.347013			6
Height Summation:			2607310.1				
Amount Avg CF:			8842.607508	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 07:02:05
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0060.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 103% (46-148) Conc.: 29.28411
%SSR(DCB) : 132% (49-139) Conc.: 37.44904

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	186.59	
2.87	2.91	2.91	102245.2	1235.023386			1
3.19	3.21	3.23	3988.19	38.919481			2
3.39	3.41	3.43	4962.898	45.303842			3
3.46	3.48	3.50	8125.728	72.174232			4
3.63	3.64	3.67	9260.991	96.790967			5
+ 3.63	3.66	3.67	5849.837	61.139394			5
3.72	3.73	3.76	4431.291	53.906979			6
Height Summation:			133014.298				
Amount Avg CF:			257.019815	Linear:			
Aroclor-1221					3	124.54	
2.75	2.77	2.79	5555.274	120.247328			1
2.81	2.83	2.85	2330.5	79.163583			2
2.87	2.91	2.91	102245.2	862.145643			3
Height Summation:			110130.974				
Amount Avg CF:			353.852185	Linear:			
Aroclor-1232					6	126.53	
2.87	2.91	2.91	102245.2	880.331662			1
3.20	3.21	3.24	3988.19	71.906197			2
3.39	3.41	3.43	4962.898	83.94651			3
3.47	3.48	3.51	8125.728	140.088413			4
3.63	3.64	3.67	9260.991	204.025504			5
+ 3.63	3.66	3.67	5849.837	128.875618			5
3.72	3.73	3.76	4431.291	106.296375			6
Height Summation:			133014.298				
Amount Avg CF:			247.765777	Linear:			
Aroclor-1242					6	185.40	
2.87	2.91	2.91	102245.2	1676.188146			1
3.20	3.21	3.24	3988.19	52.823694			2
3.39	3.41	3.43	4962.898	62.311757			3
3.47	3.48	3.51	8125.728	105.382227			4
3.63	3.64	3.67	9260.991	133.698214			5
+ 3.63	3.66	3.67	5849.837	84.452383			5
3.72	3.73	3.76	4431.291	73.42606			6
Height Summation:			133014.298				
Amount Avg CF:			350.63835	Linear:			
Aroclor-1248					6	145.05	
+ 3.50	3.51	3.54	10363	94.100472			1
3.50	3.54	3.54	22473.86	204.072261			1
3.63	3.64	3.67	9260.991	69.550966			2
+ 3.63	3.66	3.67	5849.837	43.93286			2
3.72	3.73	3.76	4431.291	45.601197			3
3.85	3.86	3.89	276752.1	1498.461481			4
+ 3.85	3.88	3.89	17494.09	94.720943			4
+ 4.21	4.22	4.25	213493.8	2563.40393			5
4.21	4.23	4.25	785910.6	9436.369209			5
+ 4.37	4.37	4.40	176700.8	3539.603337			6
4.37	4.40	4.40	748536.2	14994.392959			6
Height Summation:			1847365.042				
Amount Avg CF:			4374.741346	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570359** ACF DF50 A5116 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 07:02:05
Instrument : P 25--18274A
Result file : 25PCBS16207031.0060.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	22.54	
4.76	4.77	4.80	1128179	13783.366538			1
4.96	4.97	5.00	1616415	18250.935829			2
5.23	5.24	5.27	1053276	19537.248536			3
5.40	5.41	5.44	1373439	20361.080302			4
5.64	5.65	5.68	3719190	26415.453975			5
5.84	5.85	5.88	2018830	25144.62923			6
Height Summation:			**10909329**				
Amount Avg CF:			**20582.119068**	Linear:			
Aroclor-1262					5	22.92	
E 5.23	5.24	5.27	1053276	10912.870107			1
E 5.40	5.41	5.44	1373439	16325.562439			2
E 5.64	5.65	5.68	3719190	19386.758969			3
E 5.84	5.85	5.88	2018830	18380.465094			4
E 6.28	6.28	6.32	888883.5	13029.537244			6
Height Summation:			**9053618.5**				
Amount Avg CF:			**15607.038771**	Linear:			
Aroclor-1268					5	91.47	
5.84	5.85	5.88	2018830	9044.517484			1
6.03	6.03	6.07	39238.43	216.994002			3
+ 6.10	6.10	6.14	57024.28	1137.660806			4
6.10	6.12	6.14	344798.7	6878.893817			4
E 6.28	6.28	6.32	888883.5	11472.630607			5
6.48	6.48	6.52	181482.5	342.281324			6
Height Summation:			**3473233.13**				
Amount Avg CF:			**5591.063447**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 07:02:05
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0060.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	126.74	
4.15	4.16	4.19	111050	737.794302			1
+ 4.21	4.22	4.25	213493.8	815.767803			2
4.21	4.23	4.25	785910.6	3002.993827			2
4.30	4.31	4.34	2899049	23510.79741			3
+ 4.37	4.37	4.41	176700.8	1062.140177			4
4.37	4.40	4.41	748536.2	4499.415803			4
4.43	4.44	4.47	4078929	40885.06113			5
4.58	4.59	4.62	422352.7	3634.137152			6
Height Summation:			**9045827.5**				
Amount Avg CF:			**12711.699937**	Linear:			
Aroclor-1260					6	23.41	
4.29	4.31	4.33	2899049	14523.681422			1
4.43	4.44	4.47	4078929	18053.007061			2
4.53	4.54	4.57	2963105	15724.838793			3
4.88	4.89	4.92	3053233	20330.077347			4
+ 4.88	4.91	4.92	408754	2721.705299			4
5.07	5.08	5.11	8641961	25960.31424			5
5.33	5.34	5.37	5469797	24522.52729			6
Height Summation:			**27106074**				
Amount Avg CF:			**19852.407692**	Linear:			
Aroclor-1262					6	32.79	
4.69	4.70	4.73	2446631	9570.670392			1
E 4.88	4.89	4.92	3053233	11705.114665			2
+ 4.88	4.91	4.92	408754	1567.03155			2
E 5.07	5.08	5.11	8641961	18052.222118			3
5.28	5.29	5.32	1424145	7215.962193			4
E 5.33	5.34	5.37	5469797	16744.567982			5
E 5.71	5.72	5.75	2200293	12536.785952			6
Height Summation:			**23236060**				
Amount Avg CF:			**12637.553884**	Linear:			
Aroclor-1268					6	126.34	
5.29	5.29	5.33	1424145	2425.551686			1
5.33	5.34	5.37	5469797	9623.951367			2
5.49	5.49	5.53	79616.98	159.858142			3
5.55	5.56	5.59	37157.3	310.681134			4
E 5.71	5.72	5.75	2200293	10921.44445			5
+ 5.71	5.75	5.75	115104.5	571.336364			5
5.91	5.92	5.95	412878.6	249.221791			6
Height Summation:			**9623887.88**				
Amount Avg CF:			**3948.451428**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2480.5448	481.5175		** 116.29	4	40	
Aroclor-1221			2480.5448	744.1634		** 154.75	3	5	
Aroclor-1232			2480.5448	598.249		** 70.81	4	10	
Aroclor-1242			2480.5448	598.249		** 112.41	4	30	
Aroclor-1248			2480.5448	481.5175		** 93.83	4	40	
Aroclor-1254			2480.5448	642.0234		35.90	4	40	
Aroclor-1260			2480.5448	569.0662		3.61	4	40	
Aroclor-1262			2480.5448	481.5175	E	21.03	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570359** ACF DF50 A5116 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 07:02:05
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0060.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 07:02:05
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0060.RAW
Calibration file	: 25PCBS1620701B.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			2480.5448	481.5175	E	34.44	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570359ACF DF50 ACA5116 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 7:02:05 AM 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: 25pcbs16207031.0060.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.006		2673	1461
2.038		7113	6836
2.089		9909	12737
2.136		18392	19239
2.197		47539	34439
2.282		2166	1389
2.308		8113	6454
2:381		16824	14480
2.425		2913	1998
2.49		3623	3129
2.563		2280	4101
2.627		3589	1969
2.648		33572	22170
2.705		2129	2428
2.762		2991	5303
2.885		1334	1054
2.925	TCX	94251	66865
3.039		4044	2514
3.07		1257	1647
3.177		2474	3935
3.233		55591	59425
3.365		629	878
3.399		3834	6841
3.484		1242	1957
3.515		1875	1243
3.563		2067	2929
3.592		3218	2180
3.624		1579	1670
3.67		2028	1229
3.699		1619	1037
3.738		6726	5981
3.791		3229	2494
3.862		5826	4185
3.897		12518	10582
3.926		2687	2690
3.965		1258	842
3.988		3114	1942
4.01		1636	1371
4.042		2227	1562
4.067		9161	11077
4.115		1731	1575
4.146		3702	3473
4.202		19865	17899
4.237		130254	113603
4.282		16289	12303
4.309		1854	1268
4.349		37128	30675
4.392		166122	155825
4.426		41443	31627
4.465		4649	3416
4.489		8839	6773
4.53		56048	57116
4.6		163766	234005
4.646		272131	247713

RT A	Compound A	Height A	Area A
4.691		458357	528221
4.729		118286	87838
4.768		1128179	1106141
4.817		9088	10232
4.86		140412	174138
4.89		10701	6295
4.917		283287	269422
4.97		1616415	1969458
5.019		280571	254418
5.063		772568	873740
5.105		22661	12883
5.142		184477	225535
5.179		2032202	2252123
5.24		1053276	969438
5.284		735441	729210
5.339		2329	1845
5.406		1373439	1923794
5.464		660230	622687
5.504		363230	341238
5.545		76431	73792
5.589		372320	350962
5.617		17691	9676
5.645		3719190	3802906
5.735		7335	7607
5.767		3672	2568
5.787		3537	2420
5.814		1876	957
5.852		2018830	2128570
5.891		537894	1038817
6.035		39238	61503
6.101		57024	41246
6.124		344799	326485
6.194		3542	3353
6.249		1836	1238
6.281		888884	930929
6.326		66805	66113
6.364		1586	1104
6.396		3553	4290
6.481		181483	205699
6.627		66862	63329
6.655	DCB	11114	8872
6.707		3984	4317
6.898		6333	7083
6.938		1909	1420

LANCASTER LABORATORIES

Sample Number: 8570359ACF DF50 ACA5116 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 7:02:05 AM 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: 25pcbs16207031B.0060.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.101		9508	11719
2.145		20683	14749
2.218		6073	6820
2.266		2286	1693
2.297		3462	3554
2.35		56539	39517
2.452		2796	2329
2.522		2713	5224
2.576		3306	2648
2.599	TCX	147879	84991
2.659		2179	1615
2.702		4251	7344
2.753		1693	1909
2.769		5555	3234
2.829		2331	1761
2.905		102245	86477
2.992		1783	2298
3.056		2048	1679
3.09		4876	7073
3.186		2770	1736
3.213		3988	6080
3.249		9342	8684
3.311		3556	5055
3.337		3071	2015
3.37		3898	3637
3.41		4963	4826
3.477		8126	8871
3.513		10363	5664
3.536		22474	15602
3.57		4866	7114
3.61		2279	1048
3.639		9261	7505
3.661		5850	3019
3.682		4339	3175
3.711		14597	7981
3.728		4431	2289
3.764		4836	4625
3.814		12181	13161
3.858		276752	184090
3.884		17494	9288
3.903		12249	6204
3.922		99560	66121
3.957		342761	221939
3.988		92400	107025
4.066		15969	19452
4.1		74356	72524
4.129		24398	19177
4.155		111050	72724
4.198		236266	151580
4.216		213494	101284
4.229		785911	439889
4.254		465126	438632
4.306		2899049	2087276
4.353		50527	53921

RT B	Compound B	Height B	Area B
4.374		176701	111226
4.399		748536	536674
4.441		4078929	2987854
4.496		9864	6387
4.542		2963105	2662151
4.594		422353	342945
4.632		981519	809688
4.668		4640765	3701572
4.701		2446631	1650907
4.739		1672381	1281121
4.795		9669	5174
4.809		4165	1837
4.836		431583	304720
4.853		78668	40187
4.887		3053233	2347329
4.91		408754	253162
4.96		1695112	1443898
4.996		850791	654315
5.024		657131	507203
5.057		92389	53644
5.079		8641961	7104428
5.12		157518	115743
5.152		210058	174082
5.196		8740	6556
5.217		9831	5885
5.27		66378	40466
5.293		1424145	1133248
5.337		5469797	5539497
5.446		3279	4230
5.493		79617	64248
5.538		150954	120335
5.562		37157	23034
5.61		890871	801635
5.653		5847	5121
5.69		5248	2989
5.716		2200293	1754227
5.748		115105	82517
5.828		3658	2889
5.916		412879	343934
6.033		1324	823
6.075	DCB	146474	126692
6.111		2871	3008
6.184		1236	1349
6.205		1590	1384
6.248		5181	4150
6.274		35959	31704
6.311		1429	1268
6.338		3342	3314
6.445		1143	1393
6.493		1820	1286
6.516		10060	7657
6.552		3792	2811
6.617		413	1230
6.658		1196	714
6.695		1748	3410
6.767		1733	3045
6.854		1043	1482
6.878		1980	1755
6.917		1433	1773
6.972		6065	6369

8570359ACF DF50 ACA5116 T 162530010A 10225 SW-846 8082

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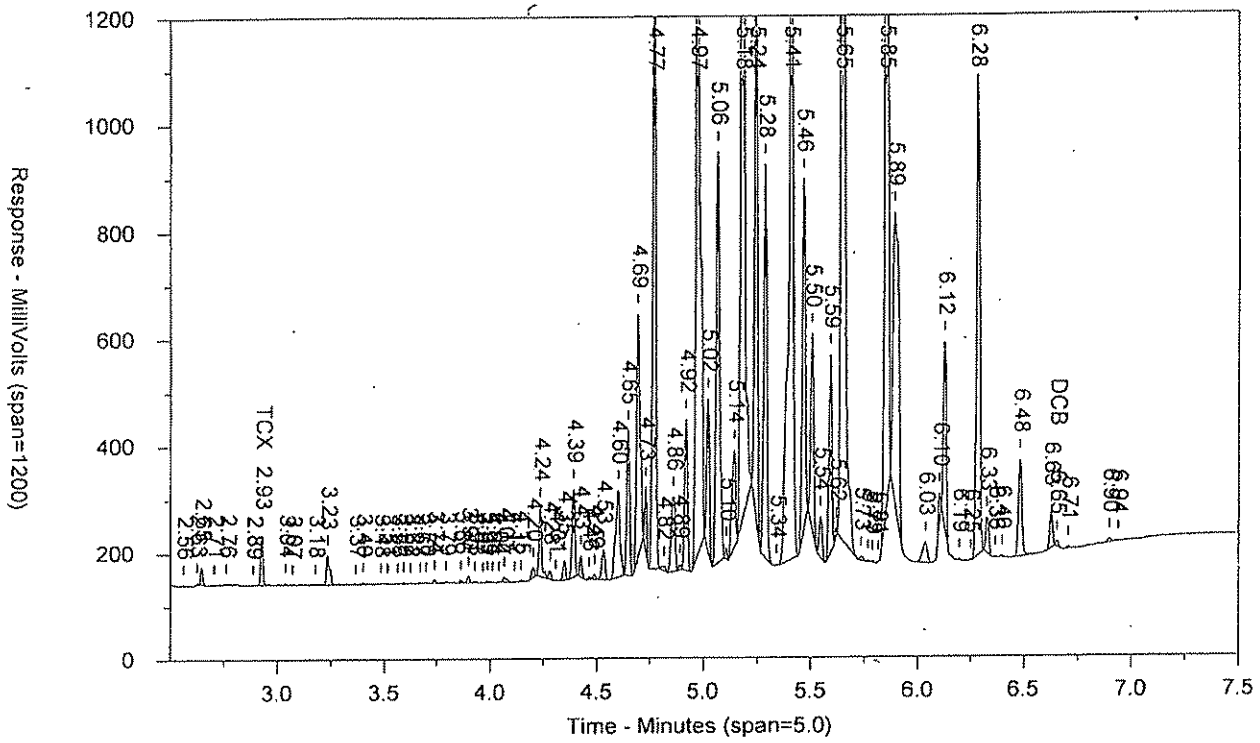

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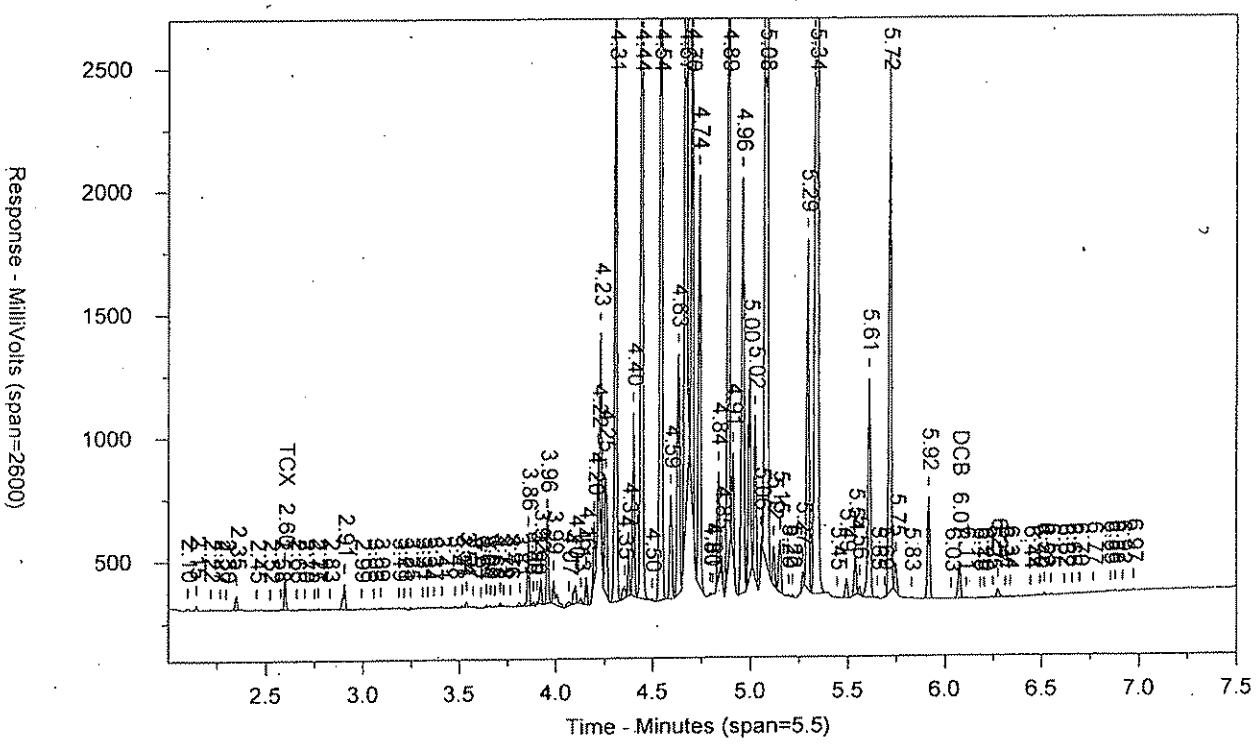

LANCASTER LABORATORIES

Sample Number: 8570359ACF DF50 ACA5116 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 7:02:05 AM
Sample Weight: 10.28
Dilution Factor: 500
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: 4
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	94251	33.883	TCX	2.599	147879	29.284	TCX
6.655	11114	8.087	DCB	6.075	146474	37.449	DCB

Files:
Area File: 25pcbs16207031.0060.RAW
Area File: 25pcbs16207031B.0060.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 7:10:36 AM
File Reported On: 9/12/2016 at 7:10:45 AM

8570359ACF DF50 ACA5116 T 162530010A 10225 SW-846 8082

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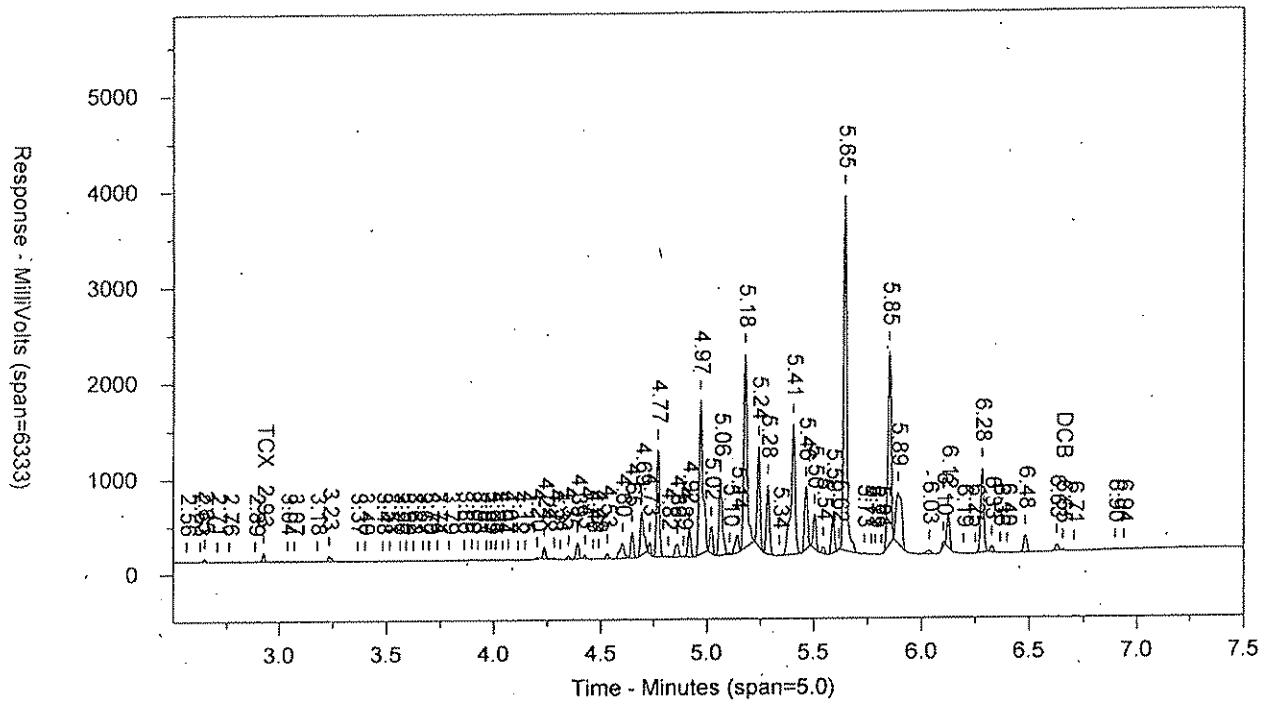

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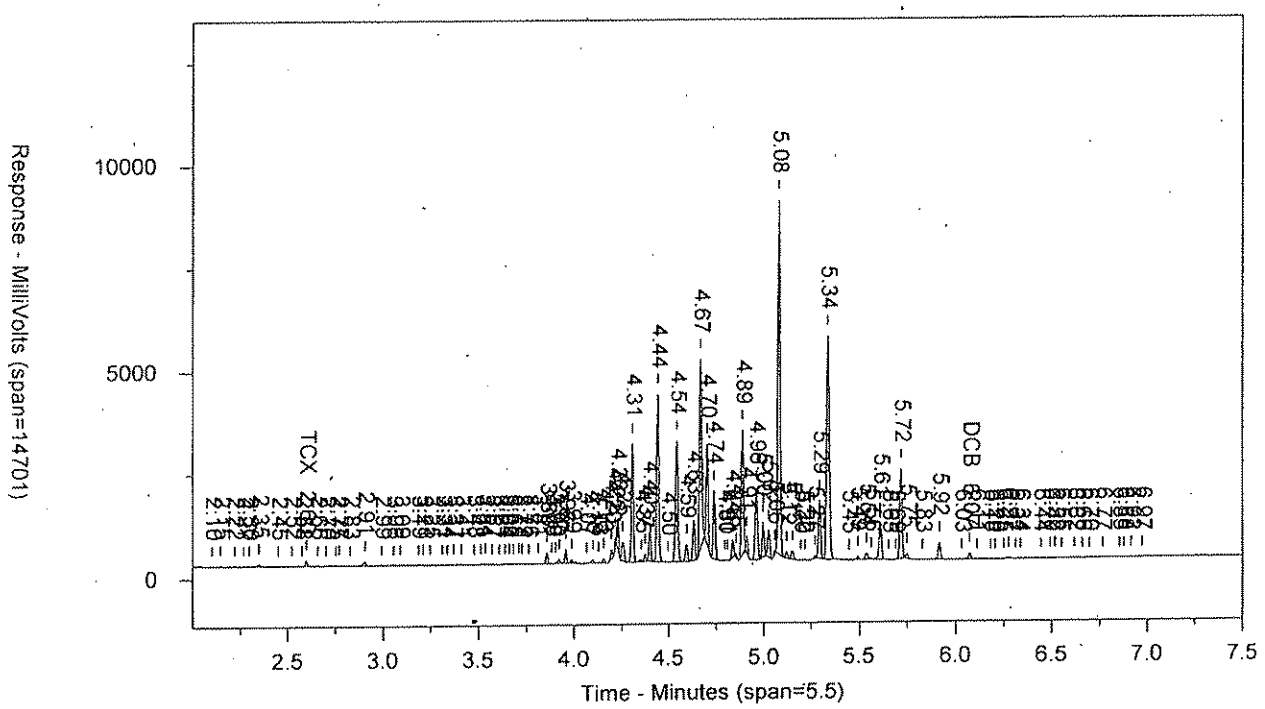

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Data Summary

Sample Name: 8570360 ACF DF20 A5117 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.32 g Total Volume: 200 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 07:13:57
Instrument	18274A
Result file	25PCBS16207031.0061.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 114% (46 - 148) Conc: 32.20852
%SSR(DCB) * 170% (49 - 139) Conc: 48.25868

Analysis Report (B)

Injected on	Sep 12, 2016 07:13:57
Instrument	18274B
Result file	25PCBS16207031B.0061.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 102% (46 - 148) Conc: 28.81043
%SSR(DCB) 125% (49 - 139) Conc: 35.46216

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	224855	32.20852
Decachlorobiphenyl	6.60	6.63	6.66	166449	48.25868

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	365132	28.81043
Decachlorobiphenyl	6.05	6.08	6.11	348106	35.46216

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	32.20852				11.14	
☑ Decachlorobiphenyl	A	48.25868				30.57	

Multiple Component Data

Aroclor-1260 (%RSD 22.23)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.77	4.80	1153408	5614.791864			1
4.96	4.97	5.00	1460448	6570.399445			2
5.23	5.25	5.27	1114034	8233.662612			3
5.40	5.41	5.44	1437911	8493.698799			4
5.64	5.65	5.68	3608004	10210.573418			5
5.84	5.86	5.88	2005393	9952.183837			6

Height summation: **10779198**
Concentration CF: **8179.218329** L:

Aroclor-1260 (%RSD 27.91)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.29	4.31	4.33	2752074	5493.570146			1
4.43	4.45	4.47	3826743	6748.482272			2
4.53	4.55	4.57	2579702	5454.84117			3
4.88	4.89	4.92	3347846	8882.14716			4
5.07	5.08	5.11	8847768	10590.215024			5
5.33	5.34	5.37	5268030	9410.564289			6

Height summation: **26622163**
Concentration CF: **7763.303344** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<988.3721	<191.8605			4	
☑ PCB-1221			<988.3721	<296.5116			3	
☑ PCB-1232			<988.3721	<238.3721			4	
☑ PCB-1242			<988.3721	<238.3721			4	
☑ PCB-1248			<988.3721	<191.8605			4	
☑ PCB-1254			<988.3721	<255.8139			4	
☑ PCB-1260	A	8179.218329	988.3721	226.7442		5.22	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: SEP 20 2016

Verified by:
Date: SEP 22 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570360** ACF DF20 A5117 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.32 g Total Volume: 200 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 07:13:57
Instrument : P 25--18274A
Result file : 25PCBS16207031.0061.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 114% (46-148) Conc.: 32.20852
%SSR(DCB) : *170% (49-139) Conc.: 48.25868

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	45.81	
3.17	3.18	3.21	2936.334	24.854825			1
3.39	3.40	3.43	2844.722	24.495639			2
3.51	3.52	3.55	1488.371	10.547877			3
3.73	3.75	3.77	5273.287	32.965162			4
3.79	3.80	3.83	2802.219	20.570613			5
3.98	4.02	4.02	892.5512	8.493661			6
Height Summation:			16237.4842				
Amount Avg CF:			20.321296	Linear:			
Aroclor-1221					1		
3.17	3.18	3.21	2936.334	18.058679			3
Height Summation:			2936.334				
Amount Avg CF:			18.058679	Linear:			
Aroclor-1232					6	53.59	
3.17	3.18	3.21	2936.334	18.59159			1
3.39	3.40	3.43	2844.722	44.086935			2
3.51	3.52	3.55	1488.371	18.92286			3
3.73	3.75	3.77	5273.287	60.237415			4
3.79	3.80	3.83	2802.219	38.054194			5
+ 3.79	3.83	3.83	2014.829	27.361421			5
3.99	4.02	4.02	892.5512	17.115142			6
Height Summation:			16237.4842				
Amount Avg CF:			32.834689	Linear:			
Aroclor-1242					6	46.19	
3.17	3.18	3.21	2936.334	34.011217			1
3.39	3.40	3.43	2844.722	34.976032			2
3.51	3.52	3.55	1488.371	14.71867			3
3.73	3.75	3.77	5273.287	46.795268			4
3.79	3.80	3.83	2802.219	28.809622			5
+ 3.79	3.83	3.83	2014.829	20.714463			5
3.98	4.02	4.02	892.5512	11.988387			6
Height Summation:			16237.4842				
Amount Avg CF:			28.549866	Linear:			
Aroclor-1248					6	199.50	
3.79	3.80	3.83	2802.219	36.304022			1
3.85	3.87	3.89	1471.416	11.283176			2
3.98	4.02	4.02	892.5512	5.998969			3
4.07	4.07	4.11	6923.649	57.07811			4
4.25	4.29	4.29	1909.679	14.928328			5
4.64	4.65	4.68	63287.09	677.793697			6
Height Summation:			77286.6042				
Amount Avg CF:			133.897717	Linear:			
Aroclor-1254					6	149.27	
4.23	4.24	4.27	65798.65	418.977741			1
4.58	4.61	4.62	193592.4	1284.846715			2
4.64	4.65	4.68	63287.09	223.690869			3
4.77	4.77	4.81	1153408	12564.405092			4
4.86	4.86	4.90	89712.62	498.574367			5
+ 4.86	4.90	4.90	7457.135	41.442735			5
5.06	5.07	5.10	659734.1	4433.649755			6
Height Summation:			2225532.86				
Amount Avg CF:			3237.357423	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 07:13:57
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0061.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 102% (46-148) Conc.: 28.81043
%SSR(DCB) : 125% (49-139) Conc.: 35.46216

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	96.55	
+ 2.87	2.89	2.91	8547.519	41.138243			1
2.87	2.91	2.91	15715.43	75.636588			1
3.19	3.22	3.23	3270.76	12.717838			2
3.39	3.41	3.43	3445.431	12.531892			3
3.46	3.48	3.50	5715.196	20.226672			4
+ 3.63	3.64	3.67	3842.765	16.002749			5
3.63	3.67	3.67	3996.389	16.642499			5
3.72	3.75	3.76	3233.571	15.673664			6
Height Summation:			35376.777				
Amount Avg CF:			25.571525	Linear:			
Aroclor-1221					3	34.12	
2.75	2.75	2.79	3121.81	26.924635			1
+ 2.81	2.82	2.85	1867.057	25.270121			2
2.81	2.85	2.85	2648.326	35.844389			2
+ 2.87	2.89	2.91	8547.519	28.717802			3
2.87	2.91	2.91	15715.43	52.800421			3
Height Summation:			21485.566				
Amount Avg CF:			38.523149	Linear:			
Aroclor-1232					6	33.51	
+ 2.87	2.89	2.91	8547.519	29.323572			1
2.87	2.91	2.91	15715.43	53.914188			1
3.20	3.22	3.24	3270.76	23.497008			2
3.39	3.41	3.43	3445.431	23.221179			3
3.47	3.48	3.51	5715.196	39.259474			4
+ 3.63	3.64	3.67	3842.765	33.732166			5
3.63	3.67	3.67	3996.389	35.080693			5
3.72	3.75	3.76	3233.571	30.906085			6
Height Summation:			35376.777				
Amount Avg CF:			34.313104	Linear:			
Aroclor-1242					6	94.88	
+ 2.87	2.89	2.91	8547.519	55.833303			1
2.87	2.91	2.91	15715.43	102.65486			1
3.20	3.22	3.24	3270.76	17.26136			2
3.39	3.41	3.43	3445.431	17.2366			3
3.47	3.48	3.51	5715.196	29.53314			4
+ 3.63	3.64	3.67	3842.765	22.104738			5
3.63	3.67	3.67	3996.389	22.98843			5
3.72	3.75	3.76	3233.571	21.348913			6
Height Summation:			35376.777				
Amount Avg CF:			35.170551	Linear:			
Aroclor-1248					6	148.94	
3.50	3.52	3.54	5580.767	20.191733			1
+ 3.63	3.64	3.67	3842.765	11.499076			2
3.63	3.67	3.67	3996.389	11.95878			2
3.72	3.75	3.76	3233.571	13.258726			3
3.85	3.86	3.89	130584.2	281.720662			4
4.21	4.23	4.25	1098218	5254.044475			5
+ 4.37	4.38	4.40	14301.27	114.146893			6
4.37	4.40	4.40	750828.8	5992.808659			6
Height Summation:			1992441.727				
Amount Avg CF:			1928.997173	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570360** ACF DF20 A5117 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.32 g Total Volume: 200 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 07:13:57
Instrument : P 25--18274A
Result file : 25PCBS16207031.0061.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	22.23	
4.76	4.77	4.80	1153408	5614.791864			1
4.96	4.97	5.00	1460448	6570.399445			2
5.23	5.25	5.27	1114034	8233.662612			3
5.40	5.41	5.44	1437911	8493.698799			4
5.64	5.65	5.68	3608004	10210.573418			5
5.84	5.86	5.88	2005393	9952.183837			6
Height Summation:			10779198				
Amount Avg CF:			8179.218329	Linear:			
Aroclor-1262					5	21.39	
E 5.23	5.25	5.27	1114034	4599.055513			1
E 5.40	5.41	5.44	1437911	6810.267826			2
E 5.64	5.65	5.68	3608004	7493.716594			3
E 5.84	5.86	5.88	2005393	7274.943923			4
E 6.28	6.29	6.32	860886.9	5028.097088			6
Height Summation:			9026228.9				
Amount Avg CF:			6241.216189	Linear:			
Aroclor-1268					5	92.47	
5.84	5.86	5.88	2005393	3579.79829			1
6.03	6.04	6.07	36981.54	81.48816			3
+ 6.10	6.11	6.14	38995.86	309.988011			4
6.10	6.13	6.14	312967.3	2487.856679			4
E 6.28	6.29	6.32	860886.9	4427.286976			5
6.48	6.49	6.52	177217.9	133.177067			6
Height Summation:			3393446.64				
Amount Avg CF:			2141.921434	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 07:13:57
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0061.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	124.38	
4.15	4.16	4.19	22764.56	60.262813			1
4.21	4.23	4.25	1098218	1672.026897			2
4.30	4.31	4.34	2752074	8892.939124			3
+ 4.37	4.38	4.41	14301.27	34.252426			4
4.37	4.40	4.41	750828.8	1798.281402			4
4.43	4.45	4.47	3826743	15283.443322			5
4.58	4.60	4.62	369641	1267.300435			6
Height Summation:			8820269.36				
Amount Avg CF:			4829.042332	Linear:			
Aroclor-1260					6	27.91	
4.29	4.31	4.33	2752074	5493.570146			1
4.43	4.45	4.47	3826743	6748.482272			2
4.53	4.55	4.57	2579702	5454.84117			3
4.88	4.89	4.92	3347846	8882.14716			4
+ 4.88	4.91	4.92	314481	834.347375			4
5.07	5.08	5.11	8847768	10590.215024			5
5.33	5.34	5.37	5268030	9410.564289			6
Height Summation:			26622163				
Amount Avg CF:			7763.303343	Linear:			
Aroclor-1262					6	31.40	
E 4.69	4.71	4.73	2608138	4065.162035			1
E 4.88	4.89	4.92	3347846	5113.92796			2
+ 4.88	4.91	4.92	314481	480.378482			2
E 5.07	5.08	5.11	8847768	7364.198758			3
5.28	5.30	5.32	1435610	2898.343955			4
E 5.33	5.34	5.37	5268030	6425.758309			5
E 5.71	5.72	5.75	2117070	4806.33813			6
Height Summation:			23624462				
Amount Avg CF:			5112.288191	Linear:			
Aroclor-1268					6	125.42	
5.29	5.30	5.33	1435610	974.240563			1
5.33	5.34	5.37	5268030	3693.208778			2
5.49	5.50	5.53	77505.52	62.006198			3
5.55	5.56	5.59	36898.7	122.929243			4
E 5.71	5.72	5.75	2117070	4187.050421			5
5.91	5.92	5.95	402881.8	96.897974			6
Height Summation:			9337996.02				
Amount Avg CF:			1522.722196	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			988.3721	191.8605		22.88	4	40	
Aroclor-1221			988.3721	296.5116		** 72.34	3	5	
Aroclor-1232			988.3721	238.3721		4.40	4	10	
Aroclor-1242			988.3721	238.3721		20.78	4	30	
Aroclor-1248			988.3721	191.8605		** 174.04	4	40	
Aroclor-1254			988.3721	255.814		39.46	4	40	
Aroclor-1260			988.3721	226.7442		5.22	4	40	
Aroclor-1262			988.3721	191.8605	E	19.89	4	40	
Aroclor-1268			988.3721	191.8605	E	33.79	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570360ACF DF20 ACA5117 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 7:13:57 AM 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: 25pcbs16207031.0061.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.006		4190	2606
2.041		3345	4207
2.09		10076	12252
2.138		21858	25046
2.198		7086	5129
2.31		10853	8478
2.383		24359	20309
2.425		2922	2082
2.492		3623	3388
2.559		3245	4867
2.65		7363	7520
2.707		1111	737
2.762		2484	2997
2.846		879	817
2.888		1031	1149
2.927	TCX	224855	159534
3.014		1496	1228
3.041		912	656
3.177		2936	4156
3.247		15378	19094
3.33		1556	1085
3.404		2845	3967
3.48		1969	2465
3.52		1488	1216
3.555		1664	2646
3.597		2494	1494
3.676		2018	2970
3.746		5273	5298
3.797		2802	2039
3.83		2015	1972
3.869		1471	1092
3.902		11852	9340
3.932		2462	2967
3.975		1331	939
4.016		893	760
4.047		1720	1171
4.073		6924	6534
4.119		1881	1698
4.152		1583	1885
4.207		20558	20138
4.242		65799	52228
4.286		1910	1276
4.313		2086	1662
4.354		16134	14043
4.397		50703	48559
4.431		8164	6039
4.471		2566	1779
4.494		4525	3526
4.534		32406	34344
4.605		193592	202969
4.652		63287	54922
4.696		496705	578406
4.734		93233	68370
4.774		1153408	1075156

RT A	Compound A	Height A	Area A
4.812		5644	4817
4.86		89713	109933
4.896		7457	4263
4.922		283046	279541
4.975		1460448	1728832
5.024		326648	301218
5.069		659734	799010
5.147		159076	205977
5.184		1800777	1911473
5.246		1114034	1041411
5.289		730845	759412
5.341		1340	836
5.411		1437911	1901138
5.47		658732	640769
5.51		373607	344905
5.55		76583	72082
5.594		316475	310154
5.622		10702	5664
5.65		3608004	3751063
5.74		7231	6806
5.773		7681	8354
5.857		2005393	2050283
5.895		493120	998337
6.04		36982	53228
6.109		38996	41838
6.129		312967	285876
6.253		1162	744
6.286		860887	897310
6.332		61895	57911
6.398		1688	1512
6.487		177218	197103
6.55		1300	1152
6.633	DCB	166449	183059
6.714		3737	3861

LANCASTER LABORATORIES

Sample Number: 8570360ACF DF20 ACA5117 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 7:13:57 AM 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: 25pcbs16207031B.0061.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.014		1979	3524
2.102		9962	12860
2.145		31734	22008
2.216		6013	6868
2.267		4160	4638
2.348		13836	11329
2.449		2064	2527
2.474		2675	2092
2.512		2079	4106
2.574		3832	2933
2.599	TCX	365132	216455
2.661		2219	1086
2.701		3063	5644
2.754		3122	6015
2.82		1867	3159
2.848		2648	2209
2.894		8548	3349
2.905		15715	6722
2.936		1917	1619
2.998		1324	1696
3.028		2091	1554
3.055		1932	1501
3.092		1357	896
3.111		2674	1844
3.189		2333	2909
3.215		3271	3952
3.25		5818	4529
3.276		1973	995
3.312		2810	2649
3.358		3326	3689
3.411		3445	3570
3.438		2162	1376
3.481		5715	6324
3.516		5581	3278
3.54		16959	11130
3.585		5703	9874
3.613		1939	1019
3.645		3843	4081
3.666		3996	2700
3.716		13273	7757
3.746		3234	1688
3.769		3062	1817
3.818		12704	14268
3.861		130584	89404
3.926		63371	56223
3.962		89558	58534
3.993		17113	9028
4.009		8870	6178
4.056		6449	3955
4.094		44695	42548
4.133		12865	13423
4.16		22765	14100
4.202		350834	227744
4.234		1098218	752302

RT B	Compound B	Height B	Area B
4.258		489509	439671
4.31		2752075	1972658
4.358		64782	54100
4.379		14301	7237
4.404		750829	563966
4.445		3826743	2750963
4.501		6331	4292
4.547		2579702	2292133
4.6		369641	285667
4.637		936907	779287
4.673		3795778	3078402
4.705		2608139	1845677
4.743		1741778	1343559
4.801		4157	2376
4.812		6465	3424
4.841		542762	502282
4.891		3347847	2446251
4.915		314481	187626
4.964		1817018	1484109
5		856640	664857
5.029		664997	518070
5.062		24544	14196
5.084		8847768	7110896
5.125		151720	115167
5.156		223948	180023
5.2		5682	3973
5.221		10262	6524
5.274		69632	42042
5.297		1435610	1144636
5.341		5268030	5466582
5.402		5749	3748
5.497		77506	64712
5.541		144835	106991
5.565		36899	23917
5.613		930180	896528
5.721		2117070	1705793
5.752		107769	78389
5.919		402882	321473
5.989		2362	2740
6.032		3138	2163
6.078	DCB	348106	303880
6.251		6145	5108
6.279		3726	3281
6.343		1563	2885
6.454		1360	2794
6.499		1571	3696
6.557		2129	2908
6.64		2097	4271
6.708		1184	1436
6.766		1608	2613
6.856		2116	2765
6.886		1437	743
6.922		2773	3203
6.973		2436	3055

8570360ACF DF20 ACA5117 T 162530010A 10225 SW-846 8082

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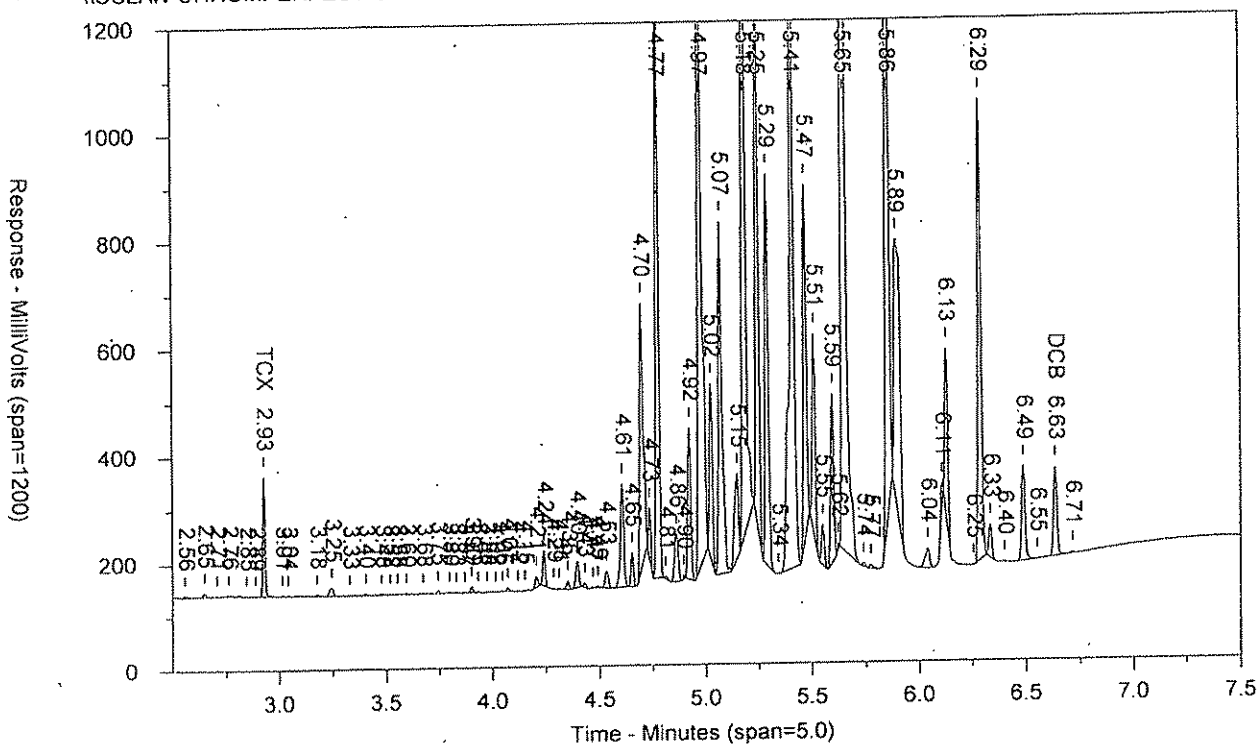

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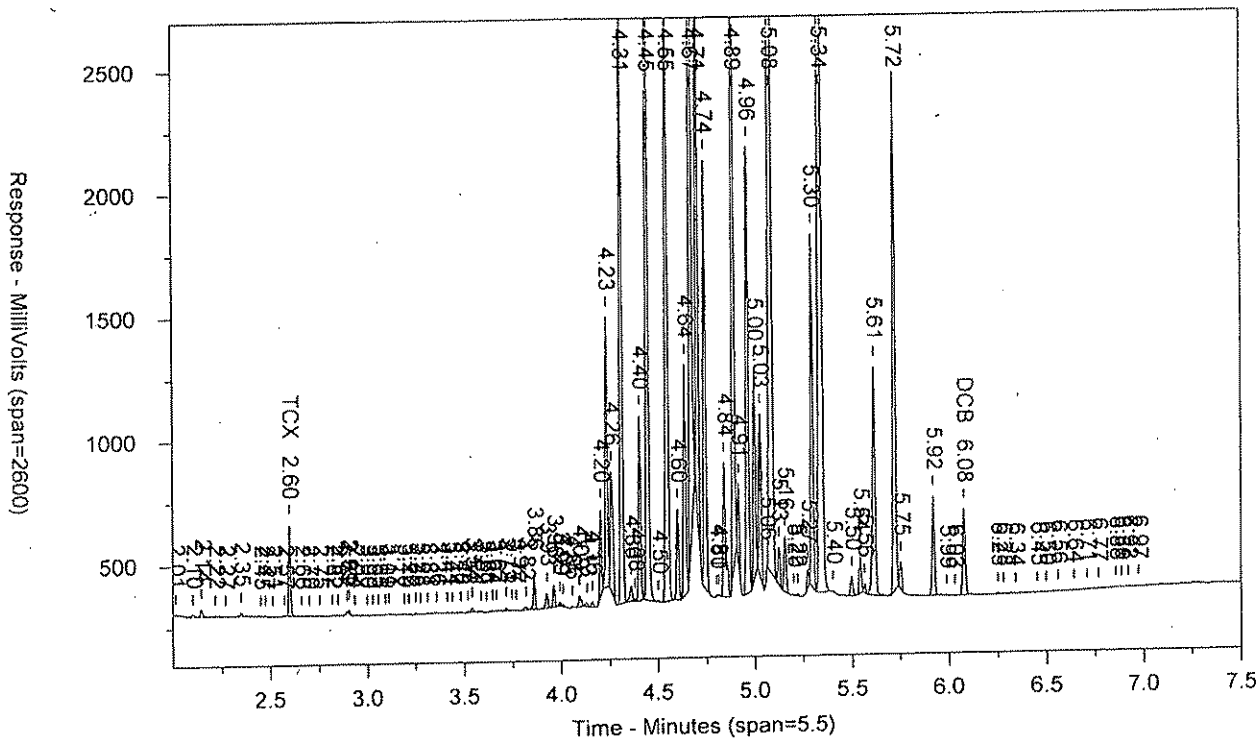

LANCASTER LABORATORIES

Sample Number: 8570360ACF DF20 ACA5117 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 7:13:57 AM
Sample Weight: 10.32
Dilution Factor: 200
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: 4
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
2.927	224855	32.209	TCX	2.599	365132	28.81	TCX
6.633	166449	48.259	DCB	6.078	348106	35.462	DCB

Files:
Area File: 25pcbs16207031.0061.RAW
Area File: 25pcbs16207031B.0061.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 7:22:28 AM
File Reported On: 9/12/2016 at 7:22:33 AM

8570360ACF DF20 ACA5117 T 162530010A 10225 SW-846 8082

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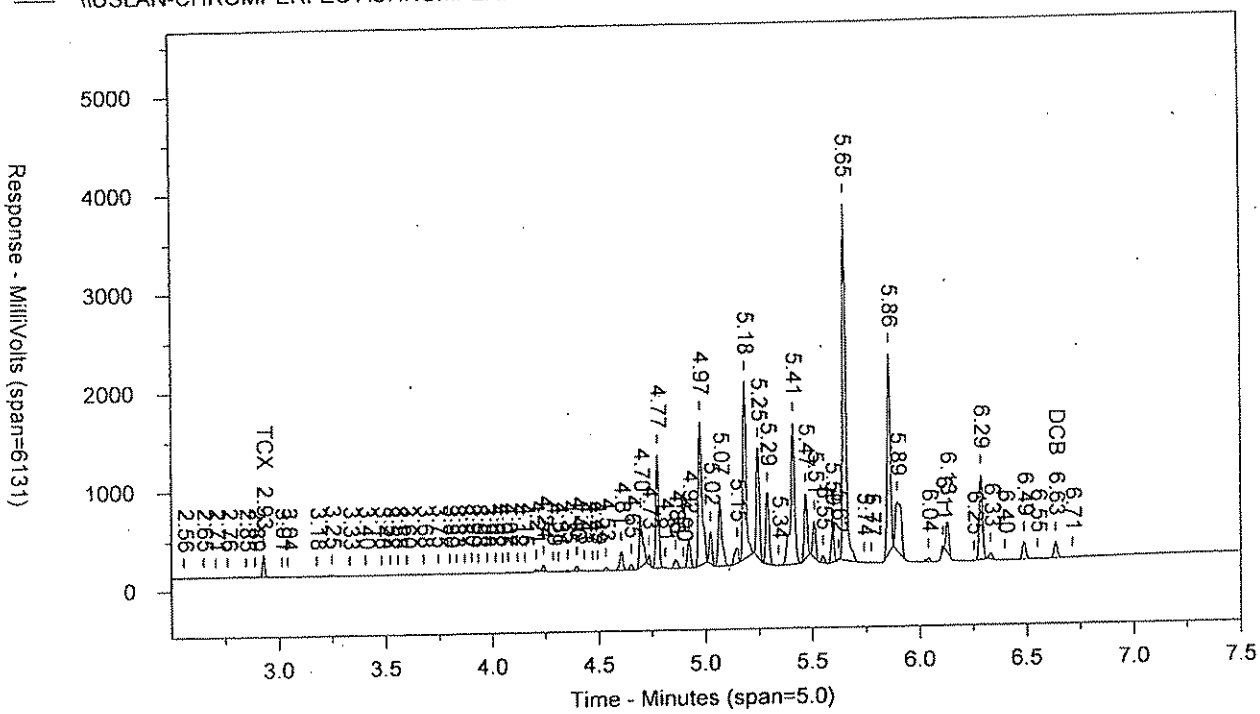

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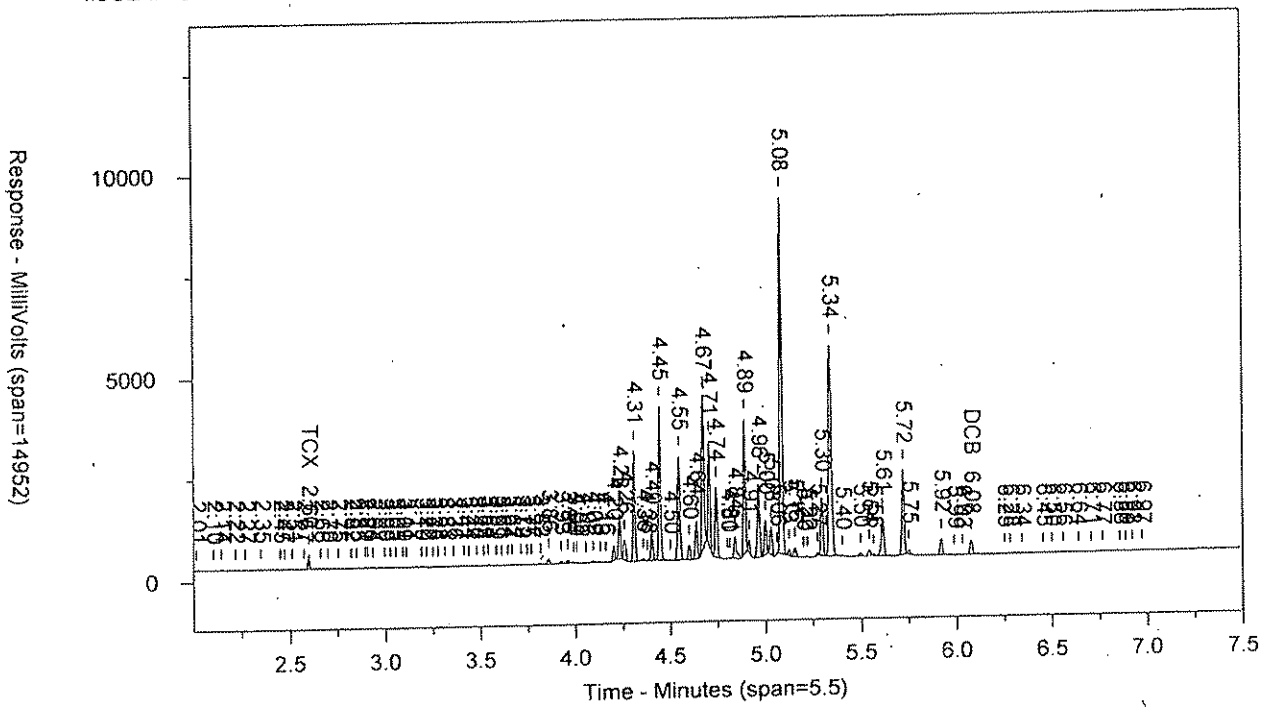

Printed on 9/12/2016 7:22:35 AM

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Data Summary

Sample Name: 8570361 ACF DF50 A5118 Sample ID: AD **Batchnumber: 162530010A**
Sample Amount: 10.14 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 07:36:28
Instrument	18274A
Result file	25PCBS16207031.0063.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 129% (46 - 148) Conc: 37.21465
%SSR(DCB) * 10% (49 - 139) Conc: 2.798216

Analysis Report (B)

Injected on	Sep 12, 2016 07:36:28
Instrument	18274B
Result file	25PCBS16207031B.0063.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 108% (46 - 148) Conc: 31.06878
%SSR(DCB) * 142% (49 - 139) Conc: 41.0831

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	102109	37.21465
Decachlorobiphenyl	6.60	6.65	6.66	3793	2.798216

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	154754	31.06878
Decachlorobiphenyl	6.05	6.07	6.11	158500	41.0831

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	37.21465				18.00	
☑ Decachlorobiphenyl	A	2.798216			P	174.49	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.28**	
4.76	4.77	4.80	849237.9	10518.694002			1
4.96	4.97	5.00	1139723	13046.2813			2
5.23	5.24	5.27	749186.1	14088.543057			3
5.40	5.41	5.44	1029061	15466.345954			4
5.64	5.65	5.68	2637302	18989.990049			5
5.84	5.85	5.88	1444454	18239.14021			6

Height summation: **7848964**
Concentration CF: **15058.165762** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**24.36**	
4.29	4.31	4.33	2043907	10380.958357			1
4.43	4.44	4.47	2865317	12856.751279			2
4.53	4.54	4.57	2085085	11218.068413			3
4.88	4.89	4.92	2240924	15127.298294			4
5.07	5.08	5.11	6227882	18966.76128			5
5.33	5.34	5.37	3910782	17775.129976			6

Height summation: **19373897**
Concentration CF: **14387.4946** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2514.793	<488.1657			4	
☑ PCB-1221			<2514.793	<754.4379			3	
☑ PCB-1232			<2514.793	<606.5089			4	
☑ PCB-1242			<2514.793	<606.5089			4	
☑ PCB-1248			<2514.793	<488.1657			4	
☑ PCB-1254			<2514.793	<650.8876			4	
☑ PCB-1260	A	15058.165762	2514.793	576.9231		4.56	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomczyko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570361** ACF DF50 A5118 Sample ID: AD **Batchnumber: 162530010A**
Sample Amount: 10.14 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 07:36:28
Instrument : P 25--18274A
Result file : 25PCBS16207031.0063.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 129% (46-148) Conc.: 37.21465
%SSR(DCB) : *10% (49-139) Conc.: 2.798216

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	38.27	
3.17	3.18	3.21	2115.844	45.56912			1
3.39	3.40	3.43	2899.633	63.529249			2
3.51	3.52	3.55	1721.244	31.036879			3
3.73	3.74	3.77	6319.206	100.512037			4
3.79	3.79	3.83	3199.729	59.764061			5
3.98	3.99	4.02	2986.709	72.316342			6
Height Summation:			19242.365				
Amount Avg CF:			62.121281	Linear:			
Aroclor-1221					2	1.96	
3.13	3.13	3.17	682.0845	34.037382			2
3.17	3.18	3.21	2115.844	33.10899			3
Height Summation:			2797.9285				
Amount Avg CF:			33.573186	Linear:			
Aroclor-1232					6	51.69	
3.17	3.18	3.21	2115.844	34.086035			1
3.39	3.40	3.43	2899.633	114.339124			2
3.51	3.52	3.55	1721.244	55.680069			3
3.73	3.74	3.77	6319.206	183.666174			4
3.79	3.79	3.83	3199.729	110.559332			5
3.99	3.99	4.02	2986.709	145.720962			6
Height Summation:			19242.365				
Amount Avg CF:			107.341949	Linear:			
Aroclor-1242					6	39.16	
3.17	3.18	3.21	2115.844	62.356555			1
3.39	3.40	3.43	2899.633	90.710068			2
3.51	3.52	3.55	1721.244	43.309341			3
3.73	3.74	3.77	6319.206	142.680557			4
3.79	3.79	3.83	3199.729	83.700959			5
3.98	3.99	4.02	2986.709	102.070977			6
Height Summation:			19242.365				
Amount Avg CF:			87.47141	Linear:			
Aroclor-1248					5	200.65	
3.79	3.79	3.83	3199.729	105.474535			1
3.85	3.86	3.89	4961.472	96.802863			2
3.98	3.99	4.02	2986.709	51.076148			3
4.25	4.28	4.29	14258.67	283.60348			5
4.64	4.65	4.68	218958.4	5966.584019			6
Height Summation:			244364.98				
Amount Avg CF:			1300.708209	Linear:			
Aroclor-1254					6	129.94	
4.23	4.24	4.27	112203.8	1817.871929			1
4.58	4.60	4.62	123989.4	2093.771694			2
4.64	4.65	4.68	218958.4	1969.139534			3
4.77	4.77	4.81	849237.9	23538.02878			4
4.86	4.86	4.90	113173	1600.298454			5
+ 4.86	4.89	4.90	7204.681	101.876241			5
5.06	5.06	5.10	554559.2	9482.48393			6
Height Summation:			1972121.7				
Amount Avg CF:			6750.26572	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 07:36:28
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0063.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 108% (46-148) Conc.: 31.06878
%SSR(DCB) : *142% (49-139) Conc.: 41.0831

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	173.38	
2.87	2.90	2.91	68608.01	840.160453			1
3.19	3.21	3.23	3710.331	36.707856			2
3.39	3.41	3.43	4555.064	42.155022			3
3.46	3.48	3.50	7358.543	66.262357			4
3.63	3.64	3.67	8034.036	85.126799			5
+ 3.63	3.66	3.67	4170.095	44.185368			5
3.72	3.73	3.76	3371.945	41.586308			6
Height Summation:			95637.929				
Amount Avg CF:			185.333132	Linear:			
Aroclor-1221					3	120.31	
2.75	2.77	2.79	4456.948	97.805365			1
2.81	2.84	2.85	1549.138	53.348425			2
2.87	2.90	2.91	68608.01	586.499561			3
Height Summation:			74614.096				
Amount Avg CF:			245.88445	Linear:			
Aroclor-1232					6	108.39	
2.87	2.90	2.91	68608.01	598.871127			1
3.20	3.21	3.24	3710.331	67.82008			2
3.39	3.41	3.43	4555.064	78.111852			3
3.47	3.48	3.51	7358.543	128.61361			4
3.63	3.64	3.67	8034.036	179.438624			5
+ 3.63	3.66	3.67	4170.095	93.138257			5
3.72	3.73	3.76	3371.945	82.001883			6
Height Summation:			95637.929				
Amount Avg CF:			189.142863	Linear:			
Aroclor-1242					6	171.98	
2.87	2.90	2.91	68608.01	1140.275567			1
3.20	3.21	3.24	3710.331	49.821952			2
3.39	3.41	3.43	4555.064	57.980812			3
3.47	3.48	3.51	7358.543	96.750247			4
3.63	3.64	3.67	8034.036	117.586395			5
+ 3.63	3.66	3.67	4170.095	61.033637			5
3.72	3.73	3.76	3371.945	56.64422			6
Height Summation:			95637.929				
Amount Avg CF:			253.176532	Linear:			
Aroclor-1248					6	141.15	
+ 3.50	3.51	3.54	10316.04	94.967385			1
3.50	3.54	3.54	21618.98	199.019973			1
3.63	3.64	3.67	8034.036	61.169459			2
+ 3.63	3.66	3.67	4170.095	31.750226			2
3.72	3.73	3.76	3371.945	35.178848			3
3.85	3.86	3.89	237039	1301.156766			4
+ 3.85	3.88	3.89	12729.05	69.872424			4
+ 4.21	4.22	4.25	199575.5	2429.372797			5
4.21	4.23	4.25	589757.1	7178.93657			5
+ 4.37	4.37	4.40	147043.6	2986.189517			6
4.37	4.40	4.40	531723.8	10798.348501			6
Height Summation:			1391544.861				
Amount Avg CF:			3262.301686	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570361** ACF DF50 A5118 Sample ID: AD **Batchnumber: 162530010A**
Sample Amount: 10.14 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 07:36:28
Instrument : P 25--18274A
Result file : 25PCBS16207031.0063.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	21.28	
4.76	4.77	4.80	849237.9	10518.694002			1
4.96	4.97	5.00	1139723	13046.2813			2
5.23	5.24	5.27	749186.1	14088.543057			3
5.40	5.41	5.44	1029061	15466.345954			4
5.64	5.65	5.68	2637302	18989.990049			5
5.84	5.85	5.88	1444454	18239.14021			6
Height Summation:			**7848964**				
Amount Avg CF:			**15058.165762**	Linear:			
Aroclor-1262					6	27.39	
5.23	5.24	5.27	749186.1	7869.400857			1
E 5.40	5.41	5.44	1029061	12400.952839			2
E 5.64	5.65	5.68	2637302	13937.082446			3
E 5.84	5.85	5.88	1444454	13332.623714			4
5.90	5.90	5.94	386563.8	7001.985972			5
6.28	6.28	6.32	652397.9	9695.090359			6
Height Summation:			**6898964.8**				
Amount Avg CF:			**10706.189365**	Linear:			
Aroclor-1268					6	91.00	
5.84	5.85	5.88	1444454	6560.614635			1
5.90	5.90	5.94	386563.8	2077.678761			2
6.03	6.04	6.07	27668.94	155.125712			3
+ 6.10	6.10	6.14	41561.3	840.615259			4
6.10	6.13	6.14	280552.8	5674.436666			4
6.28	6.28	6.32	652397.9	8536.61863			5
6.48	6.48	6.52	138661	265.12943			6
Height Summation:			**2930298.44**				
Amount Avg CF:			**3878.267306**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 07:36:28
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0063.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	125.21	
4.15	4.16	4.19	99372.95	669.329669			1
+ 4.21	4.22	4.25	199575.5	773.114251			2
4.21	4.23	4.25	589757.1	2284.59715			2
4.30	4.31	4.34	2043907	16804.596696			3
+ 4.37	4.37	4.41	147043.6	896.075509			4
4.37	4.40	4.41	531723.8	3240.295224			4
4.43	4.44	4.47	2865317	29116.980911			5
4.58	4.60	4.62	305224.4	2662.566399			6
Height Summation:			**6435302.25**				
Amount Avg CF:			**9129.727675**	Linear:			
Aroclor-1260					6	24.36	
4.29	4.31	4.33	2043907	10380.958357			1
4.43	4.44	4.47	2865317	12856.751279			2
4.53	4.54	4.57	2085085	11218.068413			3
4.88	4.89	4.92	2240924	15127.298294			4
+ 4.88	4.91	4.92	292476.8	1974.356916			4
5.07	5.08	5.11	6227882	18966.76128			5
5.33	5.34	5.37	3910782	17775.129976			6
Height Summation:			**19373897**				
Amount Avg CF:			**14387.4946**	Linear:			
Aroclor-1262					6	32.62	
4.69	4.70	4.73	1727487	6850.84013			1
4.88	4.89	4.92	2240924	8709.596037			2
+ 4.88	4.91	4.92	292476.8	1136.743048			2
E 5.07	5.08	5.11	6227882	13189.061747			3
5.28	5.29	5.32	1039685	5340.685173			4
E 5.33	5.34	5.37	3910782	12137.283761			5
5.71	5.72	5.75	1571850	9079.709483			6
Height Summation:			**16718610**				
Amount Avg CF:			**9217.862722**	Linear:			
Aroclor-1268					6	125.96	
5.29	5.29	5.33	1039685	1795.201746			1
5.33	5.34	5.37	3910782	6975.911757			2
5.49	5.49	5.53	54041.89	110.005588			3
5.55	5.56	5.59	27102.62	229.740292			4
+ 5.55	5.58	5.59	5849.728	49.586284			4
5.71	5.72	5.75	1571850	7909.80584			5
5.91	5.92	5.95	299391.1	183.21359			6
Height Summation:			**6902852.61**				
Amount Avg CF:			**2867.313136**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2514.7928	488.1657		** 99.58	4	40	
Aroclor-1221			2514.7928	754.4378		** 151.95	3	5	
Aroclor-1232			2514.7928	606.5088		** 55.18	4	10	
Aroclor-1242			2514.7928	606.5088		** 97.29	4	30	
Aroclor-1248			2514.7928	488.1657		** 85.98	4	40	
Aroclor-1254			2514.7928	650.8875		29.97	4	40	
Aroclor-1260			2514.7928	576.923		4.56	4	40	
Aroclor-1262			2514.7928	488.1657	E	14.94	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570361** ACF DF50 A5118 Sample ID: AD **Batchnumber: 162530010A**
Sample Amount: 10.14 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 07:36:28
Instrument : P 25--18274A
Result file : 25PCBS16207031.0063.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 12, 2016 07:36:28
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0063.RAW
Calibration file : 25PCBS1620701B.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			2514.7928	488.1657		29.97	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570361ACF DF50 ADA5118 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 7:36:28 AM 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: 25pcbs16207031.0063.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.008		2080	1466
2.036		5183	6067
2.089		9677	12911
2.131		2443	4097
2.197		34655	27345
2.281		1488	915
2.308		6286	4185
2.38		6488	7510
2.425		2962	2149
2.49		3527	3056
2.567		1779	3113
2.627		3760	2222
2.648		23947	16018
2.706		1921	2367
2.762		2536	3518
2.885		1093	1043
2.925	TCX	102109	70340
3.011		1278	1123
3.039		2857	1923
3.128		682	917
3.176		2116	3162
3.233		37970	45397
3.325		1095	882
3.401		2900	4406
3.476		1545	2045
3.516		1721	1249
3.562		1935	2871
3.593		2858	1840
3.624		1007	1245
3.67		1600	1085
3.739		6319	6249
3.792		3200	2485
3.863		4961	3838
3.898		12115	10315
3.927		2153	2330
3.968		1203	909
3.987		2987	1989
4.043		2386	1583
4.067		8397	9483
4.117		1582	1496
4.148		2890	2547
4.202		18826	17665
4.237		112204	99602
4.282		14259	10440
4.308		1683	1218
4.349		30762	25809
4.392		147353	138914
4.426		31284	24651
4.466		3342	2353
4.49		7403	5554
4.531		48882	49279
4.6		123989	181682
4.647		218958	199530
4.693		335945	390504

RT A	Compound A	Height A	Area A
4.73		92003	68797
4.769		849238	796242
4.811		6524	8675
4.86		113173	133547
4.892		7205	4030
4.918		207943	198455
4.971		1139723	1424749
5.02		211664	188181
5.064		554559	639481
5.107		14707	8821
5.143		145694	169500
5.179		1506738	1614253
5.242		749186	705104
5.285		518041	534452
5.407		1029061	1399219
5.466		498968	465034
5.505		272966	248173
5.546		56983	54042
5.59		271951	265932
5.618		12652	6312
5.646		2637302	2738624
5.734		4334	4045
5.791		3432	2273
5.853		1444454	1521419
5.905		386564	743194
6.036		27669	42496
6.102		41561	30958
6.125		280553	255498
6.193		2090	2051
6.251		1027	790
6.282		652398	690482
6.328		48650	45051
6.396		1676	1802
6.482		138661	155678
6.629		70464	70715
6.654	DCB	3793	2921
6.71		2837	2731
6.901		3928	4703

LANCASTER LABORATORIES

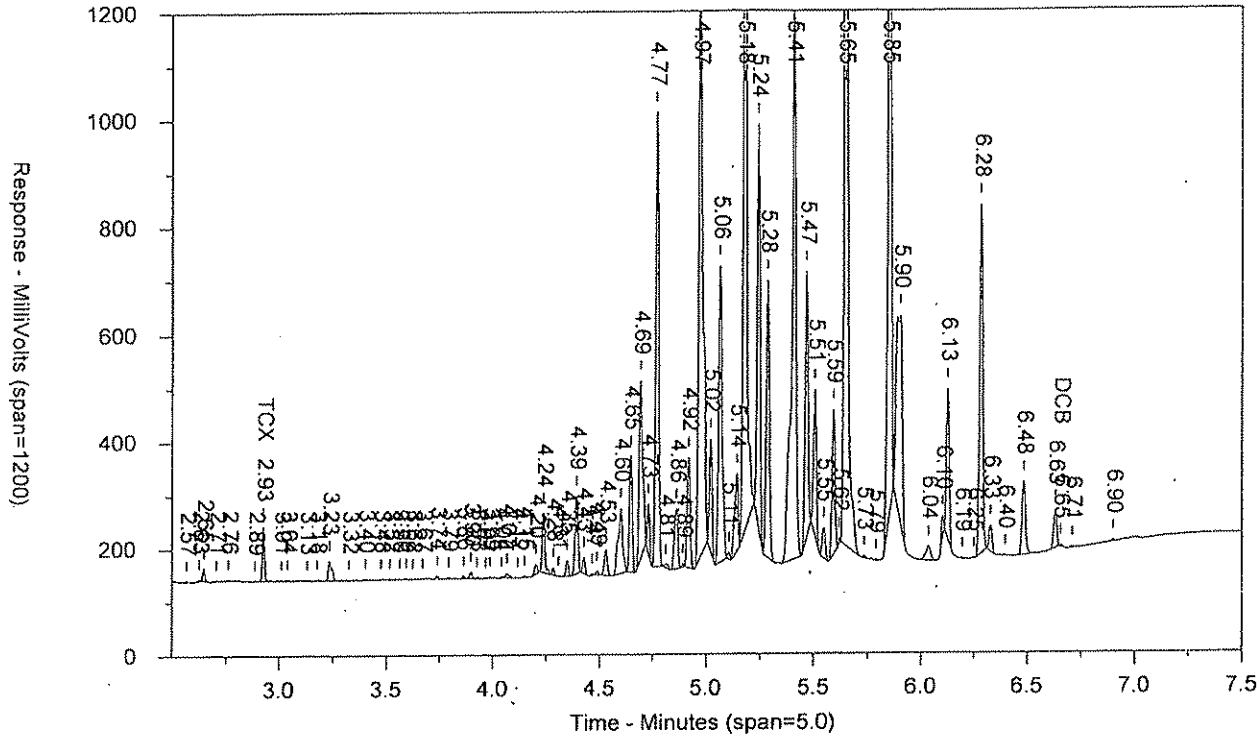
Sample Number: 8570361ACF DF50 ADA5118 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 7:36:28 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207031B.0063.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.101		8509	11224
2.146		4954	5277
2.198		1182	820
2.218		6185	7720
2.263		1735	1523
2.297		2942	3098
2.35		41760	36023
2.448		2604	2594
2.475		2164	2227
2.522		1380	1876
2.577		3002	2457
2.599	TCX	154754	89705
2.662		2219	1100
2.701		4101	6937
2.77		4457	5131
2.843		1549	3216
2.905		68608	59989
2.993		2146	4970
3.053		1563	1940
3.091		2333	1575
3.19		2076	1682
3.215		3710	5528
3.249		8174	6686
3.297		1135	649
3.34		1651	1209
3.358		3284	4334
3.412		4555	6128
3.434		1453	946
3.478		7359	7137
3.513		10316	5632
3.536		21619	14828
3.571		4234	7916
3.609		2471	1126
3.639		8034	6599
3.662		4170	2373
3.682		4382	3048
3.712		14348	7831
3.729		3372	2190
3.762		4526	3691
3.813		12034	11784
3.858		237039	164063
3.884		12729	7305
3.904		8827	4753
3.923		86254	58111
3.957		297417	196184
3.989		59869	36392
4.006		24252	12112
4.066		12088	15481
4.1		62270	63758
4.129		14450	12053
4.156		99373	67640
4.198		165332	108794
4.216		199576	98989
4.23		589757	313962

RT B	Compound B	Height B	Area B
4.255		338123	324865
4.306		2043907	1495468
4.354		36523	41238
4.375		147044	91750
4.4		531724	388518
4.442		2865317	2132609
4.495		5061	3527
4.543		2085085	1927008
4.595		305224	255381
4.633		715172	586481
4.669		3347846	2633830
4.702		1727487	1174326
4.739		1207682	912554
4.796		7066	3685
4.81		3439	1633
4.837		365650	369979
4.888		2240925	1687763
4.911		292477	185021
4.961		1254975	1046588
4.996		628389	477355
5.026		455328	370122
5.058		79655	44071
5.08		6227882	5085440
5.121		117741	82191
5.152		159997	126135
5.198		5821	4535
5.217		7480	4475
5.271		48226	29049
5.294		1039685	833198
5.338		3910782	4080923
5.493		54042	45372
5.539		108690	86458
5.562		27103	16927
5.585		5850	3370
5.611		673846	536341
5.653		4854	3920
5.691		2276	1427
5.718		1571850	1284571
5.748		83657	58888
5.827		3051	2751
5.917		299391	246082
5.963		1488	1013
6.075	DCB	158500	128585
6.112		2142	1804
6.247		4026	2762
6.274		16223	13847
6.34		2362	2424
6.493		1442	679
6.515		5533	4144
6.553		2955	2726
6.623		1254	1644
6.719		1184	2615
6.767		1173	780
6.849		1681	2163
6.916		1565	1421
6.971		4155	4379

8570361ACF DF50 ADA5118 T 162530010A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207031.0063.RAW



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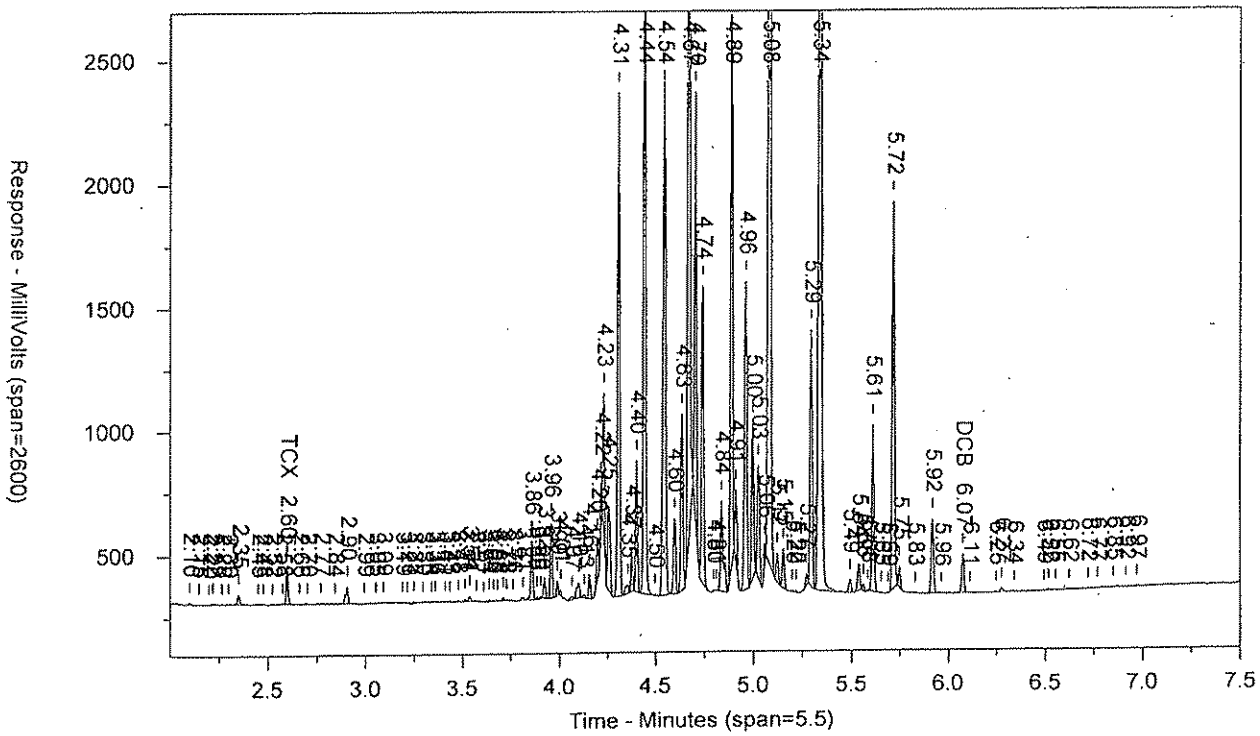

LANCASTER LABORATORIES

Sample Number: 8570361ACF DF50 ADA5118 T 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 7:36:28 AM Sample Weight: 10.14
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: 4
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	102109	37.215	TCX	2.599	154754	31.069	TCX
6.654	3793	2.798	DCB	6.075	158500	41.083	DCB

Files:
Area File: 25pcbs16207031.0063.RAW
Area File: 25pcbs16207031B.0063.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 7:45:02 AM
File Reported On: 9/12/2016 at 7:45:13 AM

8570361ACF DF50 ADA5118 T 162530010A 10225 SW-846 8082

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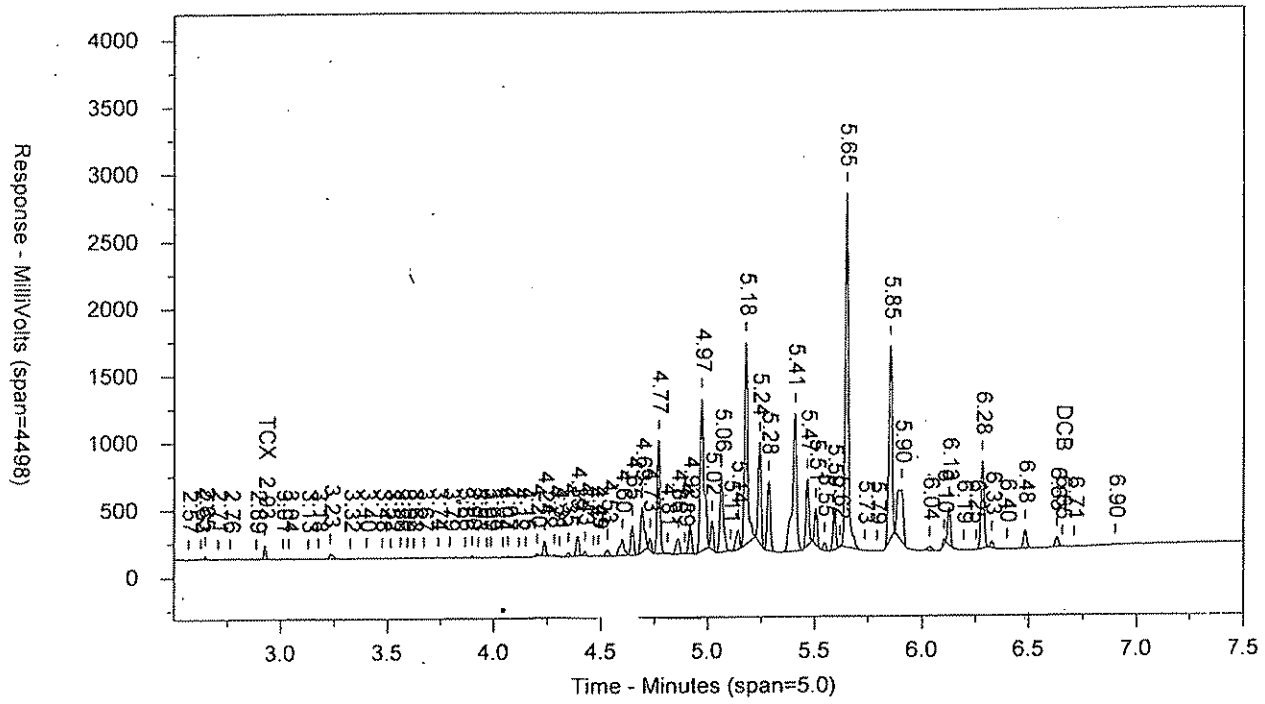

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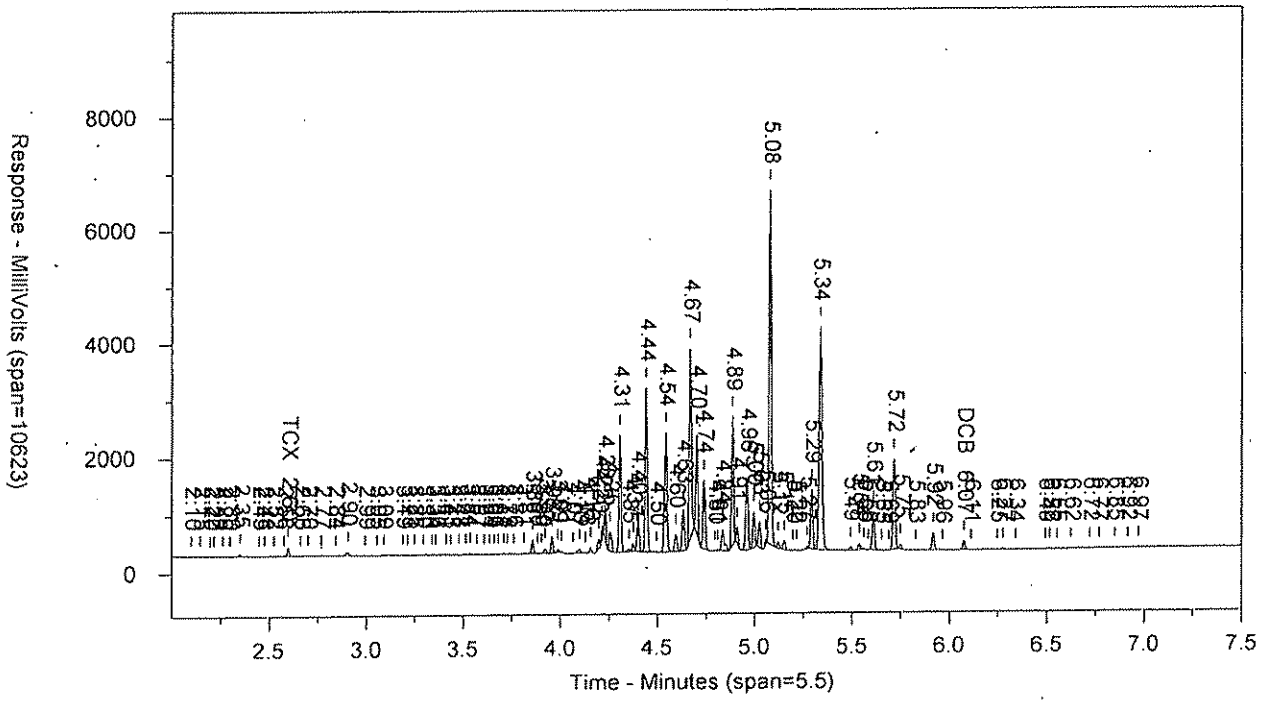

Standards Data

Polychlorinated Biphenyls (PCBs)

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs16207001.seq
Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25
Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25
Number of Entries: 31

	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	1620699999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	
5	BLKX1624A	5	PIBLK	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1620699999	10736
6	EVALX1624A	6	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
7	AR1611624B	7	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	1	1620699999	10736
8	AR1621624B	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	2	1620699999	10736
9	AR1631624B	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	3	1620699999	10736
10	AR1641624B	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	4	1620699999	10736
11	AR1651624B	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	5	1620699999	10736
12	AR4811624A	12	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
13	AR4821624A	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
14	AR4831624A	14	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
15	AR4841624A	15	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
16	AR4851624A	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
17	AR5411624A	17	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
18	AR5421624B	18	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
19	AR5431624A	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
20	AR5441624A	20	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
21	AR5451624A	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
22	AR6231624A	22	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
23	AR6831624B	23	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
24	AR2131624A	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
25	AR3231624A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
26	AR4231624A	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
27	AR16XX1624B	27	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
28	MD16X1624B	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
29	IC16X1624B	29	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
30	IC48X1624A	30	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736
31	IC54X1624A	31	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1620699999	10736

RAH 2306 7/25/16

Set-up by: 2855 Date: 25 July 16
7/25/2016

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs16207031.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 65

	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	1625499999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1625499999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1625499999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1625499999	
5	AR1631624B	5	CCAL	BI	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1625499999	10736
6	IBLKX1624B	6	PIBLK	KI	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1625499999	10736
7	BLANKA 9/9/16 ACF	7	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	162520025A	10225
8	LCSA 9/9/16 ACF	8	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	162520025A	10225
9	LCSD 9/9/16 ACF	9	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	162520025A	10225
10	8565623ACF DF100	10	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	1000	1	0	162520025A	10225
11	8565623ACF DF200	11	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	2000	1	0	162520025A	10225
12	8565624ACF DF100	12	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.39	1000	1	0	162520025A	10225
13	8565624ACF DF200	13	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.39	2000	1	0	162520025A	10225
14	8565625ACF DF50	14	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	30.02	500	1	0	162520025A	10225
15	8565625ACF DF100	15	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.02	1000	1	0	162520025A	10225
16	8565625ACF DF200	16	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.02	2000	1	0	162520025A	10225
17	8565626ACF DF100	17	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	5000	1	0	162520025A	10225
18	8565626ACF DF200	18	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	10000	1	0	162520025A	10225
19	8565627ACF DF50	19	T	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	30.09	500	1	0	162520025A	10225
20	8565627ACF DF100	20	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.09	1000	1	0	162520025A	10225
21	8565628ACF DF100	21	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	1000	1	0	162520025A	10225
22	8565628ACF DF200	22	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	2000	1	0	162520025A	10225
23	8565629ACF DF100	23	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.39	1000	1	0	162520025A	10225
24	8565629ACF DF200	24	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.39	2000	1	0	162520025A	10225
25	8565630ACF DF100	25	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.03	1000	1	0	162520025A	10225
26	8565630ACF DF200	26	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.03	2000	1	0	162520025A	10225
27	AR1631624B	27	CCAL	BJ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1625499999	10736
28	IBLKX1624B	28	PIBLK	KJ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1625499999	10736
29	8565631ACF DF100	29	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.38	1000	1	0	162520025A	10225
30	8565631ACF DF200	30	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.38	2000	1	0	162520025A	10225
31	8565632ACF DF100	31	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.23	1000	1	0	162520025A	10225
32	8565632ACF DF200	32	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.23	2000	1	0	162520025A	10225
33	8565633ACF DF50	33	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	30.32	500	1	0	162520025A	10225
34	8565633ACF DF100	34	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.32	1000	1	0	162520025A	10225
35	BLANKA 9/10/16 ACF	35	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	162530010A	10225
36	LCSA 9/10/16 ACF	36	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	162530010A	10225
37	8570342ACF	37	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.4	10	1	0	162530010A	10225
38	8570343ACF	38	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	10	1	0	162530010A	10225
39	8570344ACF DF20	39	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.23	200	1	0	162530010A	10225
40	8570345ACF DF50	40	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.18	500	1	0	162530010A	10225
41	8570346ACF DF10	41	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.11	100	1	0	162530010A	10225
42	8570347ACF DF50	42	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.06	500	1	0	162530010A	10225
43	8570347ACF DF100	43	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.06	1000	1	0	162530010A	10225
44	8570348ACF DF5	44	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.39	50	1	0	162530010A	10225
45	8570349ACF DF50	45	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	500	1	0	162530010A	10225
46	8570350ACF DF5	46	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.22	50	1	0	162530010A	10225
47	8570351ACF DF50	47	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.5	500	1	0	162530010A	10225
48	8570351ACF DF100	48	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.5	1000	1	0	162530010A	10225
49	AR1631624B	49	CCAL	BK	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1625499999	10736
50	IBLKX1624B	50	PIBLK	KK	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1625499999	10736

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs16207031.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 65

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51	8570352ACF DF50	51	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	500	1	0	162530010A	10225
52	8570352ACF DF100	52	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	1000	1	0	162530010A	10225
53	8570353ACF DF50	53	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.34	500	1	0	162530010A	10225
54	8570354ACF DF50	54	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	500	1	0	162530010A	10225
55	8570355ACF DF20	55	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.47	200	1	0	162530010A	10225
56	8570355ACF DF50	56	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.47	500	1	0	162530010A	10225
57	8570356ACF DF50	57	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	500	1	0	162530010A	10225
58	8570357MSACF DF50	58	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	500	1	0	162530010A	10225
59	8570358MSDACF DF50	59	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	500	1	0	162530010A	10225
60	8570359ACF DF50	60	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.28	500	1	0	162530010A	10225
61	8570360ACF DF20	61	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.32	200	1	0	162530010A	10225
62	8570361ACF DF20	62	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.14	200	1	0	162530010A	10225
63	8570361ACF DF50	63	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.14	500	1	0	162530010A	10225
64	AR1631624B	64	CCAL	BL	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1625499999	10736
65	BLKX1624B	65	PIBLK	KL	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1625499999	10736

9/12/16

Set-up by: 2855 Date: 11 Sept 16

9/11/2016

LANCASTER LABORATORIES

Sample Number: IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:36:18 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: 25pcbs16207001.0005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.034		1136	2570
2.091		11545	17299
2.146		1363	2530
2.223		14912	11598
2.315		39714	26339
2.334		4004	2122
2.378		1763	1733
2.418		6329	7525
2.459		2304	2528
2.492		1472	1332
2.576		2358	2913
2.68		806	1398
2.726		1199	645
2.78		12709	12851
2.821		2744	2154
2.932	TCX	2723713	1834704
3.067		1363	1162
3.101		754	670
3.135		39417	26390
3.186		3472	4604
3.267		7488	5458
3.377		1049	850
3.427		1426	2493
3.498		638	670
3.529		2710	2319
3.586		4287	6170
3.645		1381	1321
3.685		6238	4395
3.716		1414	1400
3.756		901	490
3.85		2510	3217
3.914		1641	2895
4		896	802
4.079		1073	2056
4.141		831	1050
4.179		2097	2493
4.216		18545	21563
4.283		2676	3398
4.323		4009	4340
4.504		2449	4369
4.602		2000	2957
4.752		1184	1191
4.857		1770	3037
4.908		4762	4427
4.984		1554	1805
5.067		2540	4376
5.15		10007	11989
5.217		2341	5075
5.296		1809	2454
5.375		1051	1598
5.447		1324	1583
5.524		1789	1986
5.561		4733	4353
5.681		23590	24389

RT A	Compound A	Height A	Area A
5.808		777	839
5.878		1008	1511
5.958		823	1695
6.054		22771	24385
6.12		31407	38094
6.203		795	1430
6.312		899	1500
6.43		845	1070
6.502		16656	20133
6.65	DCB	1303460	1506710
6.96		1220	1931

LANCASTER LABORATORIES

Sample Number: IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:36:18 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: 25pcbs16207001B.0005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		10883	19729
2.105		6162	12505
2.15		3840	3066
2.184		2546	2461
2.222		2173	4132
2.31		931	696
2.346		2024	2536
2.401		3401	3996
2.488		1807	1540
2.536		29230	21926
2.602	TCX	4968272	2906367
2.682		1719	2965
2.758		2713	3348
2.819		61354	36194
2.935		11070	7201
2.978		1876	1839
3.039		1573	1089
3.094		2477	2225
3.128		2681	2015
3.174		2205	1679
3.209		1273	1403
3.28		5908	4421
3.319		12107	7162
3.373		3221	3483
3.402		4453	3438
3.443		1259	1142
3.55		3858	6719
3.613		3069	5503
3.666		3890	6866
3.713		7651	10696
3.769		1995	1999
3.822		1844	1234
3.883		2926	2411
3.931		31264	36630
4.003		2309	1829
4.064		6279	6144
4.164		5043	5073
4.199		3426	4053
4.324		2032	2809
4.428		5192	5402
4.462		986	718
4.48		1785	1164
4.608		1363	800
4.633		1101	718
4.653		11360	7759
4.731		721	1485
4.764		2445	4306
4.847		3179	5163
4.941		3379	3441
4.966		1878	1764
5.041		9115	10152
5.076		1516	1803
5.126		4652	4711
5.165		36863	30104

RT B	Compound B	Height B	Area B
5.217		2440	2212
5.307		5221	10117
5.395		4620	10003
5.506		38720	35831
5.573		53266	45164
5.623		7399	5657
5.653		2655	2676
5.728		2197	2736
5.81		2253	2702
5.885		2516	2720
5.927		29137	25437
5.96		2686	1881
6.035		2103	2588
6.088	DCB	3691882	3287701
6.244		1233	2215
6.387		1602	1743
6.515		799	1271
6.544		4024	7271
6.713		1124	890
6.783		1884	2023
6.952		1012	997

IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082

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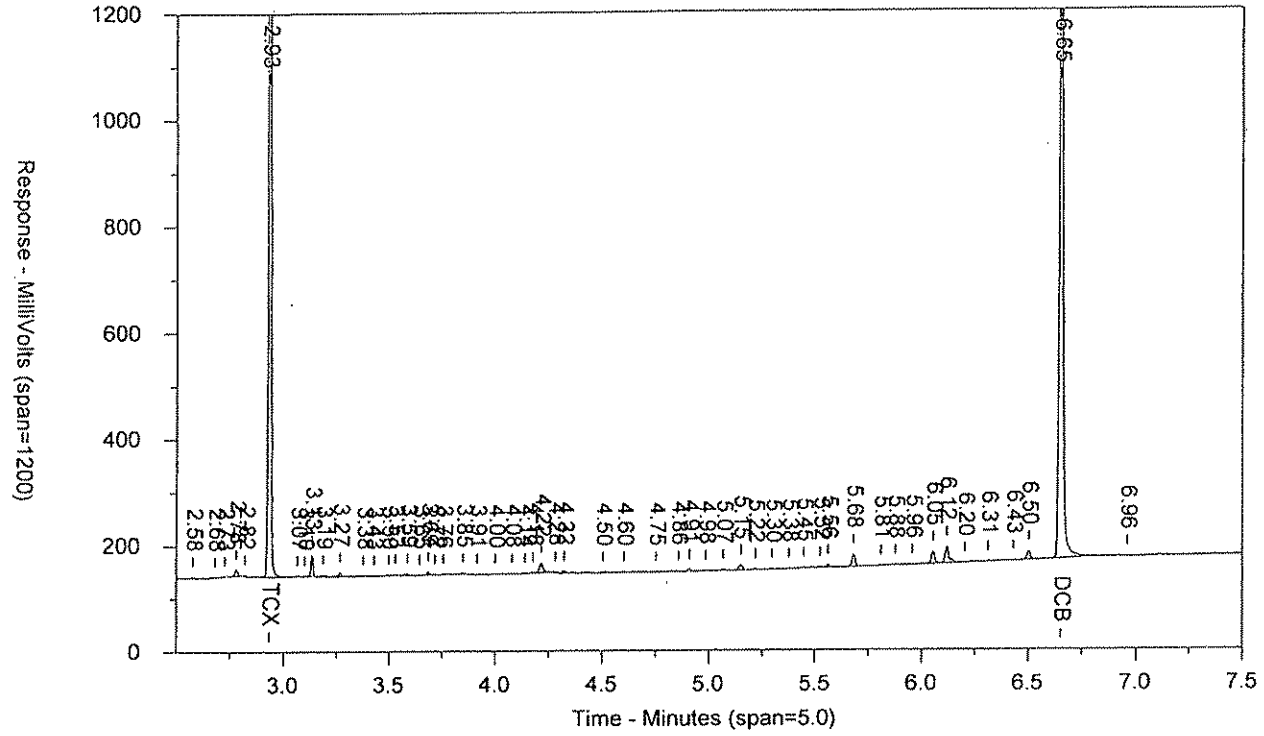

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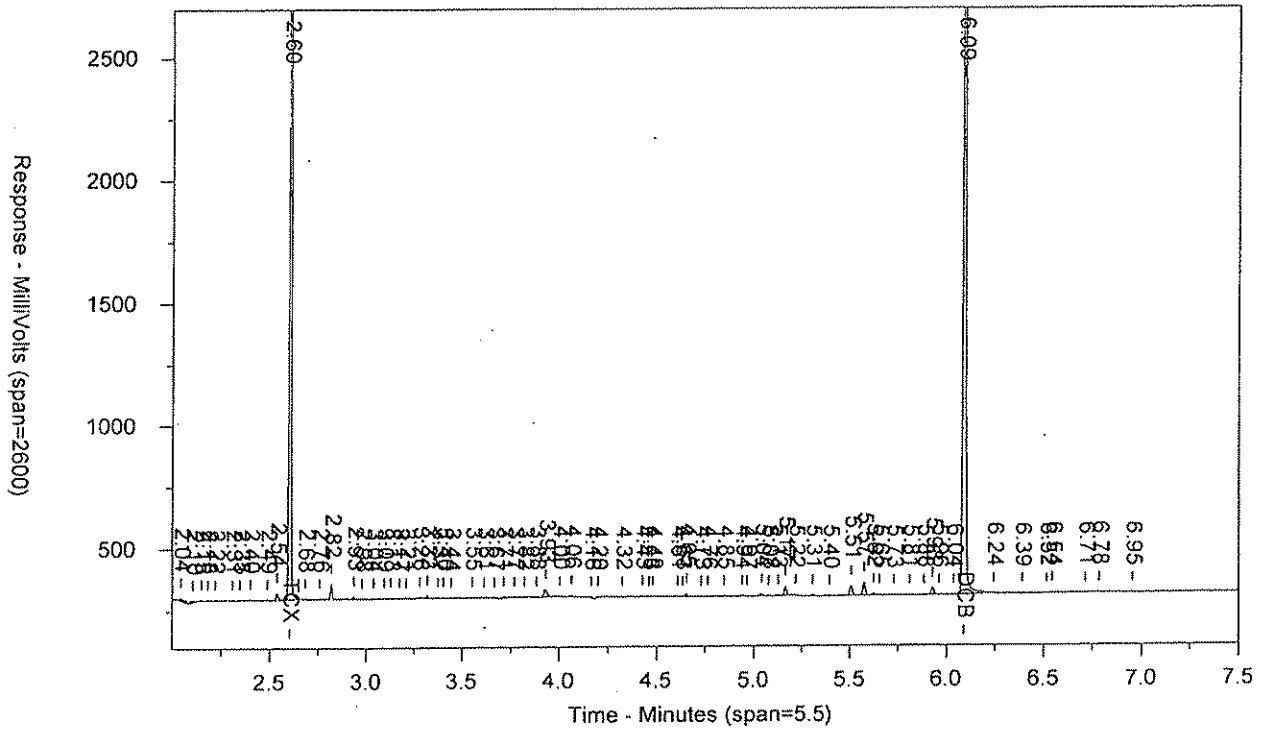

LANCASTER LABORATORIES

Sample Number: IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:36:18 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: 4
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
2.932	2723713	.201	TCX	2.602	4968272	.202	TCX
6.65	1303460	.195	DCB	6.088	3691882	.194	DCB

Files:
Area File: 25pcbs16207001.0005.RAW
Area File: 25pcbs16207001B.0005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 5:44:48 PM
File Reported On: 7/25/2016 at 9:46:58 PM

IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082

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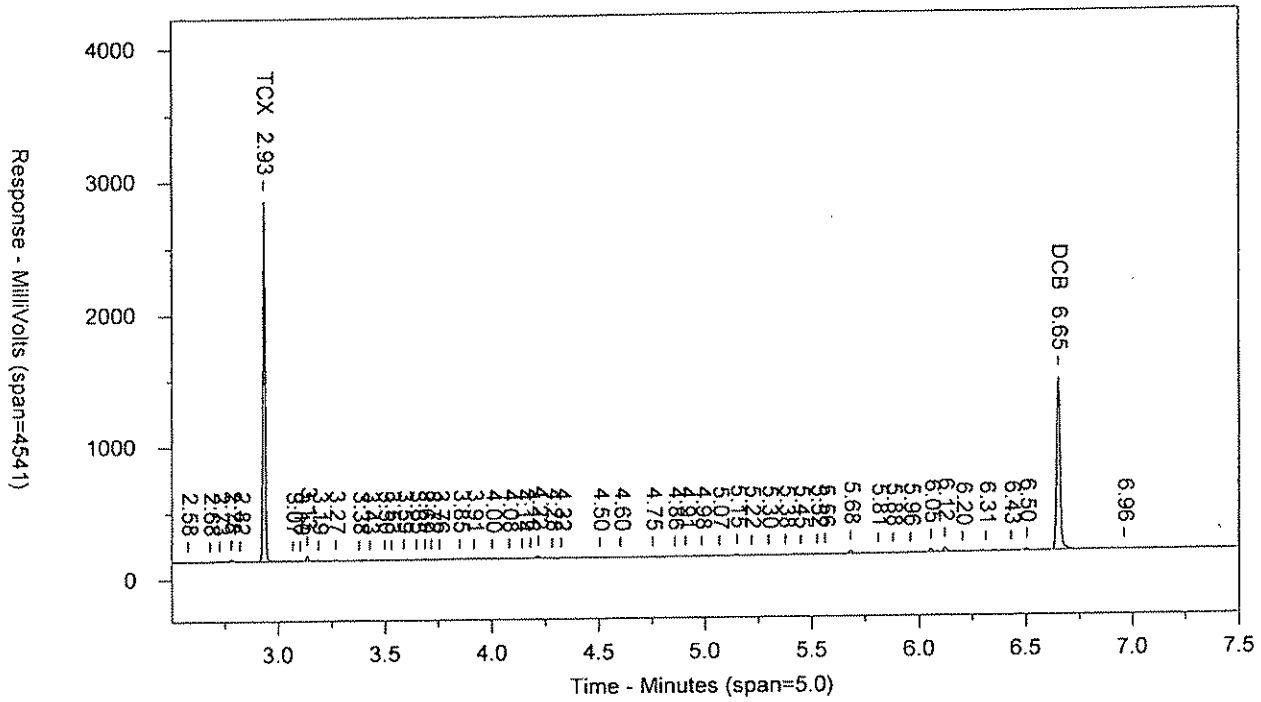

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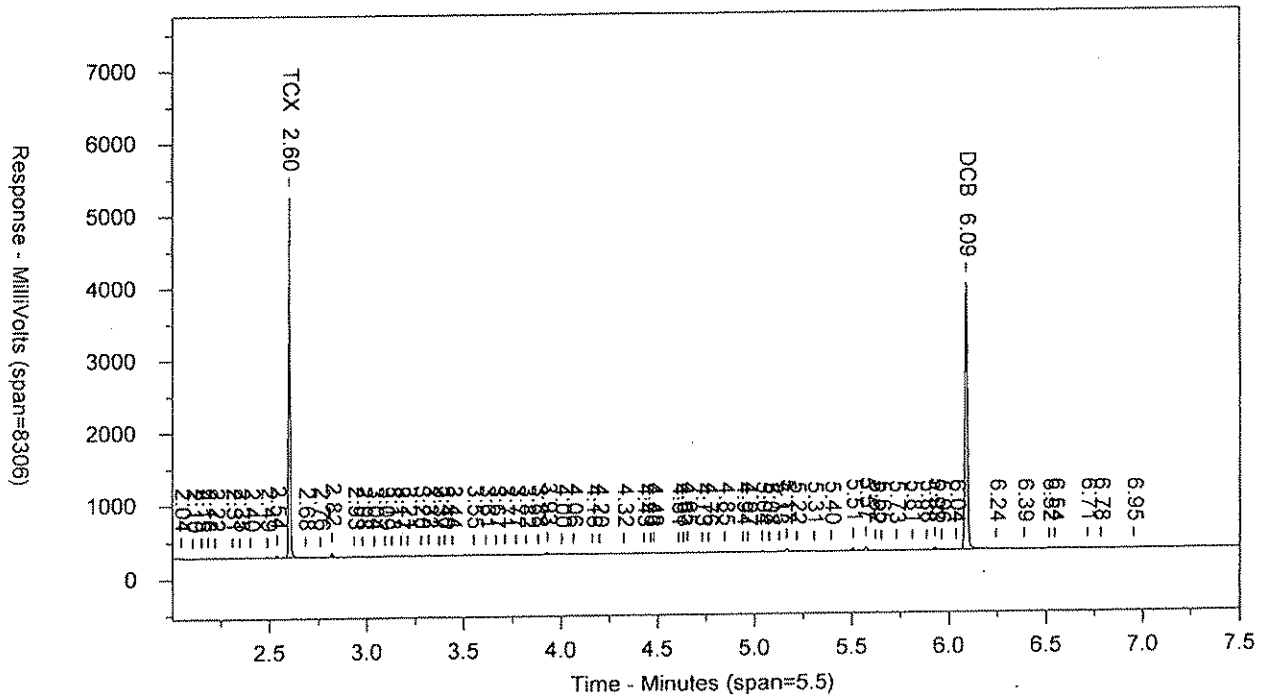

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:47:56 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: 25pcbs16207001.0006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.092		5985	6848
2.127		7979	4415
2.147		3531	4823
2.222		14017	10103
2.315		12641	7924
2.344		48090	31990
2.381		1337	1485
2.418		4104	3894
2.452		1184	858
2.516		85457	54804
2.56		1924	1076
2.592		1569	2021
2.678		939	882
2.726		795	499
2.78		6198	8450
2.82		4685	5201
2.858		1311	1434
2.932	TCX	2618638	1803683
3.065		1111	934
3.105		1861	1379
3.134		39821	26303
3.188		2392	2487
3.223		1858572	1194440
3.267		7165	4649
3.29		1329	1332
3.328		2984	3019
3.394		1070	587
3.426		1217655	812633
3.457		12168	7874
3.552		556541	377270
3.587		4577	3279
3.647		2942	3179
3.685		6061	6267
3.724		62964	45650
3.748		16896	12828
3.799		3983	3020
3.834		145801	110402
3.865		15548	11740
3.897		12186	8872
3.948		1811	1452
3.998		11656	8603
4.023		3078	2059
4.083		53295	41008
4.114		10251	8236
4.159		18556	16510
4.194		85794	67856
4.217		4326	2031
4.233		11644	5980
4.25		62753	44235
4.294		3281	2760
4.329		7356	6139
4.384		8657	5989
4.411		401609	366831
4.48		2648	1793

RT A	Compound A	Height A	Area A
4.507		6020	5025
4.533		13663	13817
4.577		148793	125383
4.603		53711	41404
4.677		7575	8065
4.735		247945	270575
4.837		271045	261102
4.876		1645293	1491269
4.906		71328	47075
4.926		56094	39022
4.957		5939	3416
4.982		624883	598834
5.065		58152	98301
5.142		429005	440767
5.217		740433	772298
5.302		25193	32470
5.376		871	737
5.442		258744	310074
5.496		7141	4893
5.521		51302	41861
5.548		12687	9240
5.582		684990	720643
5.641		45085	35087
5.676		851691	886353
5.874		1310	1077
5.959		1451	1731
6.052		22582	23685
6.118		29551	35324
6.256		952	1029
6.361		964	1965
6.501		17044	19284
6.649	DCB	1367299	1537228
6.948		1147	1648

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:47:56 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: 25pcbs16207001B.0006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		6917	4781
2.143		76746	44809
2.186		2203	3110
2.225		1765	2305
2.286		1176	522
2.309		135707	75856
2.402		5653	14356
2.459		1173	1271
2.485		4344	3553
2.52		3763	4954
2.536		8753	5970
2.601	TCX	4876962	2851651
2.692		1493	1123
2.765		2802	3242
2.818		60863	35517
2.876		4708	3296
2.909		2260	1445
2.947		3565987	1910346
3.041		1767	1189
3.065		4810	2984
3.101		18384	12283
3.156		2424652	1307299
3.261		4703	3347
3.28		3005	1199
3.299		3026	1947
3.318		8497	4029
3.339		1070151	598029
3.398		8545	4637
3.421		38667	22670
3.443		3646	1663
3.464		311376	214994
3.496		24227	13645
3.525		2759	1174
3.537		10477	5880
3.576		19102	10702
3.606		21337	15054
3.663		8064	10593
3.713		4140	4564
3.755		163867	95380
3.774		15246	6427
3.788		83330	40525
3.803		18562	8650
3.833		67835	38714
3.853		127355	70843
3.931		30841	29560
3.962		7765	3952
3.987		905118	580766
4.015		18549	17694
4.065		16056	19792
4.099		4203	1785
4.115		4570	2217
4.142		112895	86310
4.183		16908	12201
4.232		295237	221139

RT B	Compound B	Height B	Area B
4.284		2736	2556
4.36		572462	424825
4.412		4078649	3302765
4.455		192227	139500
4.508		1763509	1244725
4.545		32110	22768
4.566		12232	7440
4.621		88744	68282
4.646		12320	11910
4.685		2102337	1559881
4.741		894267	680712
4.771		39659	27086
4.857		51477	48348
4.894		10466	7599
4.941		1792	2738
5.009		737511	794518
5.114		1889381	1581050
5.18		83531	90719
5.283		2125547	1755930
5.337		101598	79174
5.482		1464	796
5.505		37059	31081
5.573		49060	42229
5.622		6766	4878
5.648		2865	2786
5.731		1799	1963
5.811		2060	2631
5.882		1755	2263
5.927		30254	26937
5.96		2844	2372
6.088	DCB	3956112	3363234
6.429		1287	2258
6.544		2657	2515
6.664		1132	2112
6.714		911	1147

EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082

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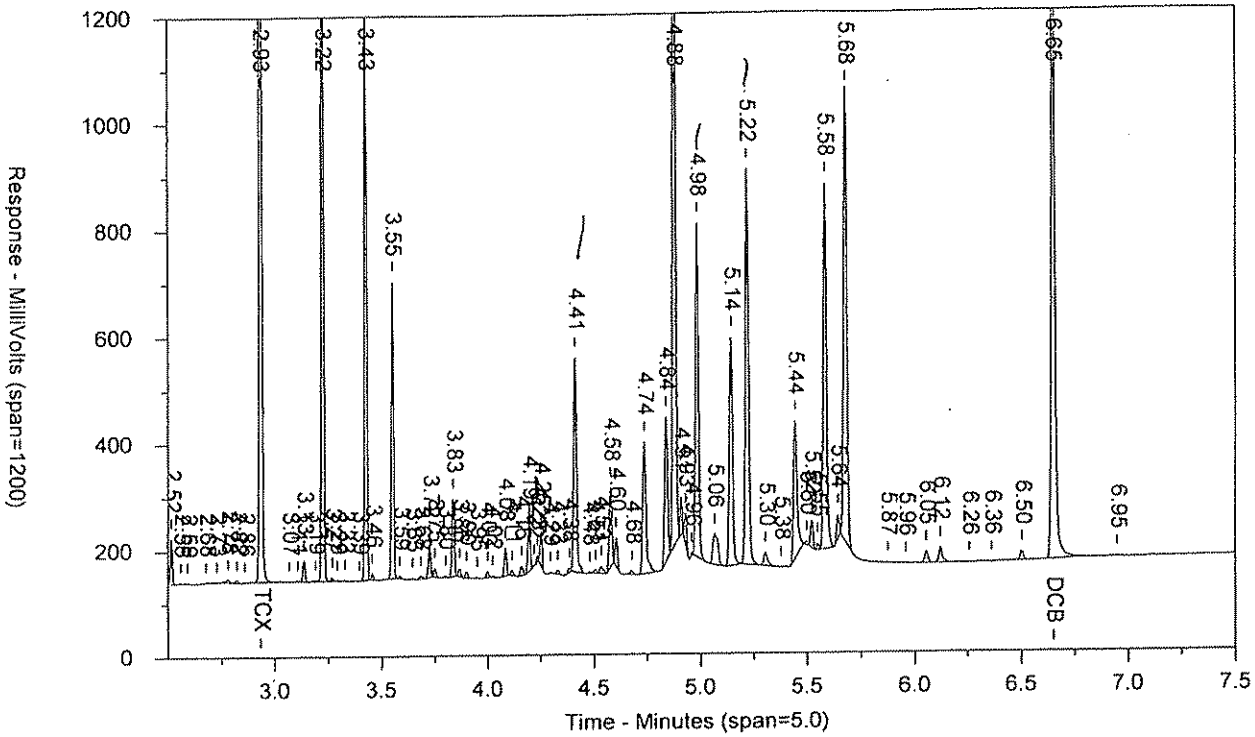

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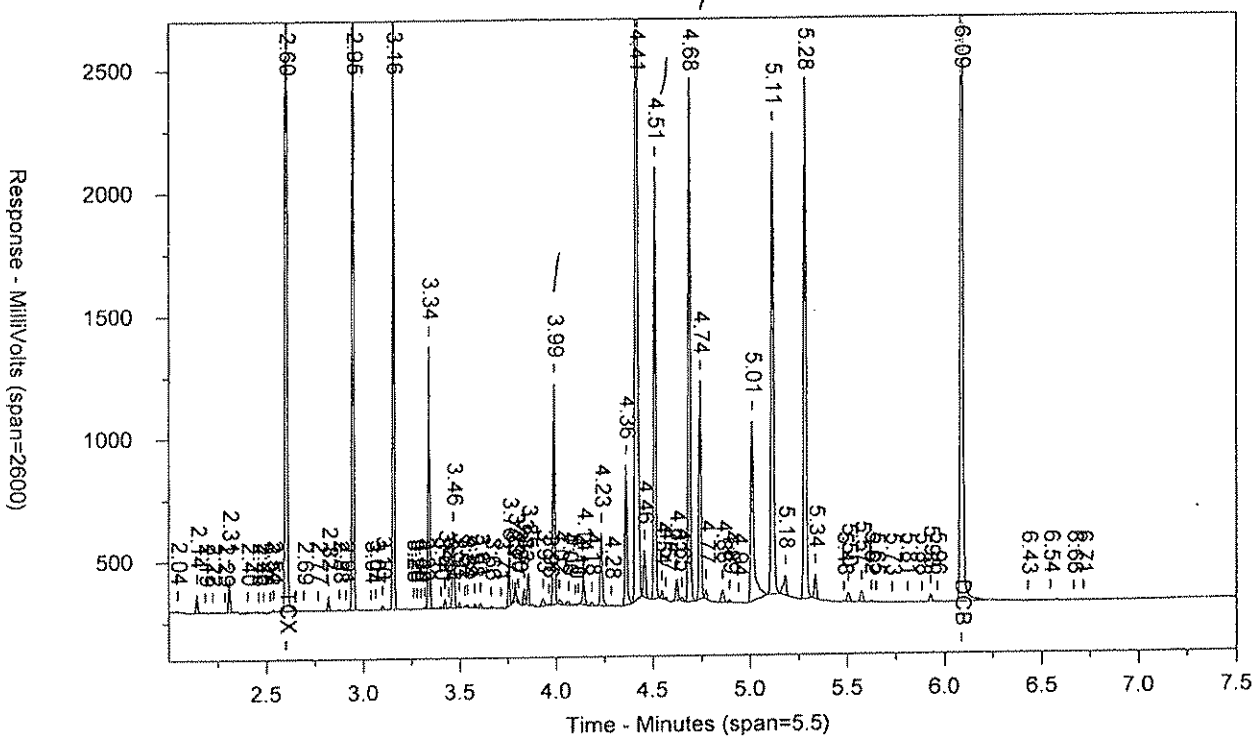

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:47:56 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: 4
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
2.932	2618638	19.355	TCX	2.601	4876962	19.856	TCX
6.649	1367299	20.455	DCB	6.088	3956112	20.796	DCB

Files:
Area File: 25pcbs16207001.0006.RAW
Area File: 25pcbs16207001B.0006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 5:56:30 PM
File Reported On: 7/25/2016 at 9:47:10 PM

EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082

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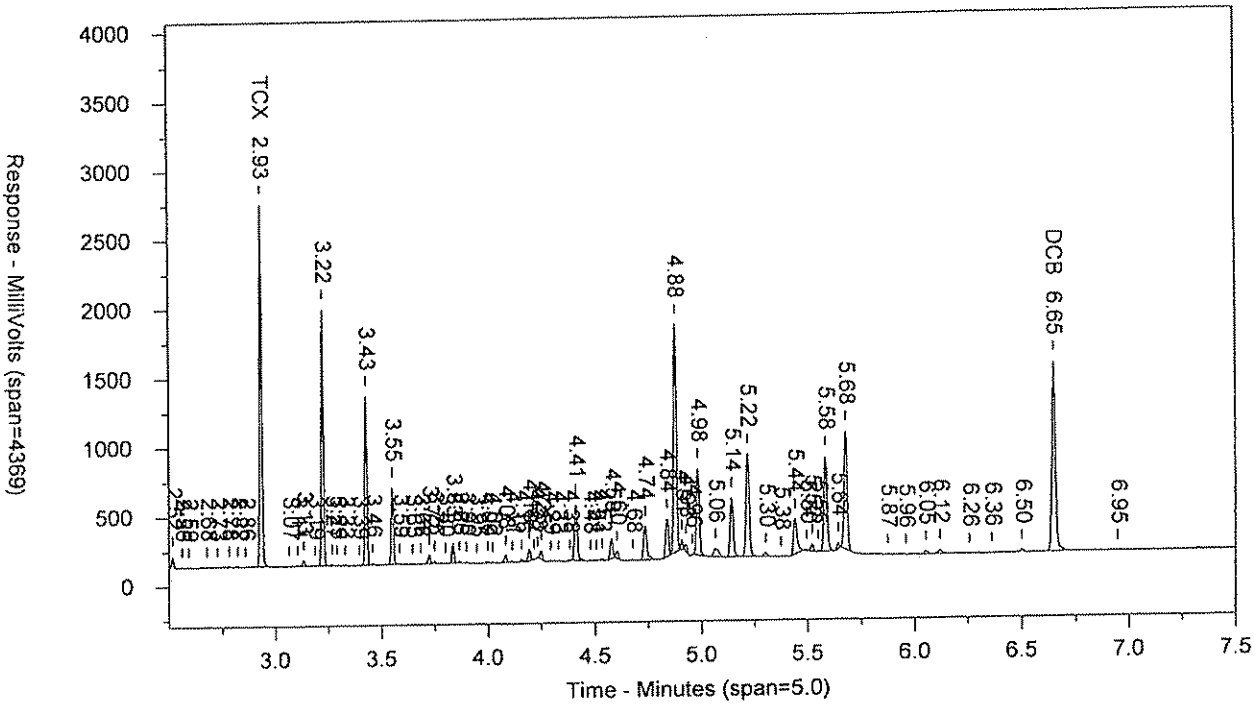

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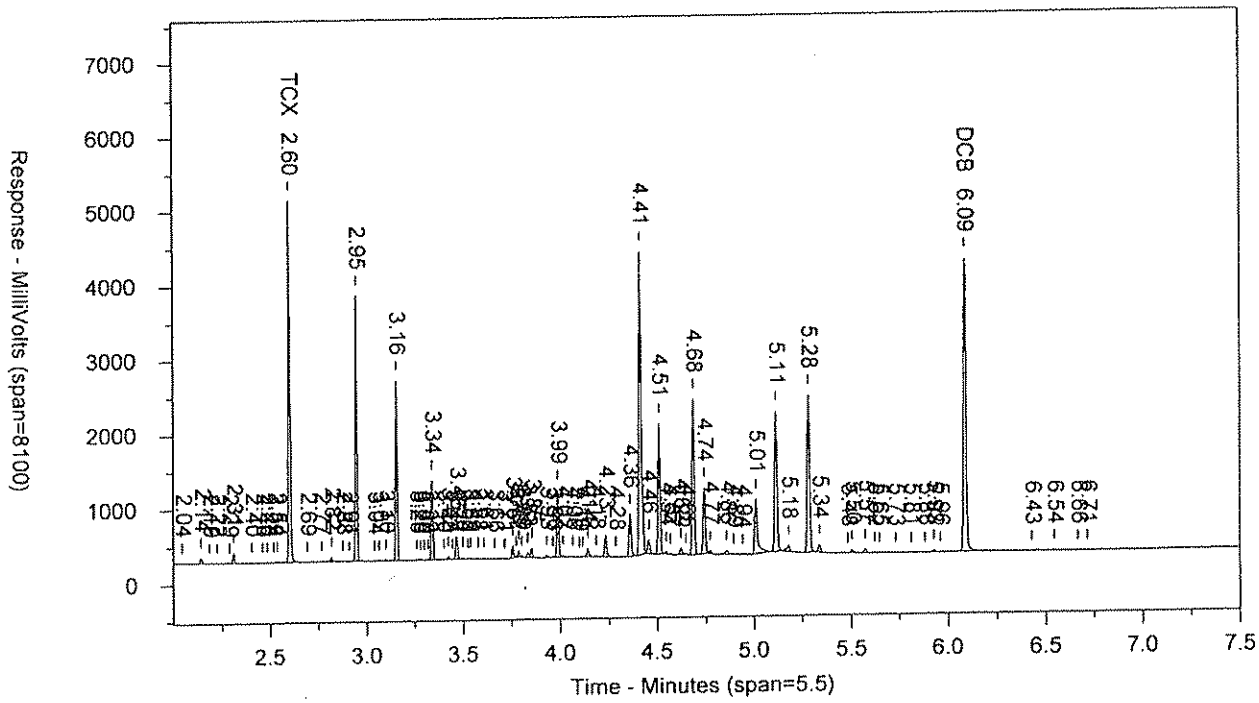

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:59:44 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: 25pcbs16207001.0007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.093		6456	12455
2.159		2041	4153
2.222		3279	3048
2.315		15098	11532
2.377		1140	1040
2.418		4350	3952
2.494		1161	1540
2.573		2577	1869
2.726		742	393
2.78		5840	6720
2.821		3497	2954
2.858		1505	2901
2.932	TCX	575835	398754
3.087		24436	20001
3.144		29796	25508
3.193		140813	98393
3.266		1142	563
3.288		17483	11743
3.411		133317	85340
3.428		68337	36439
3.466		16815	9744
3.482		4842	2199
3.499		11109	6411
3.529		165149	125254
3.567		2062	2683
3.604		6599	4323
3.641		34931	20839
3.656		17273	8671
3.713		281075	355830
3.75		179854	140441
3.809		155194	119807
3.847		14437	10589
3.875		115302	83345
3.902		84935	72870
3.925		28280	15301
4.001		121595	89937
4.026		44656	28736
4.056		49556	35546
4.092		115454	123969
4.132		40477	32362
4.178		6166	5379
4.216		23523	21984
4.252		118153	91445
4.273		30582	18065
4.296		30619	22857
4.364		18832	16126
4.407		125373	114777
4.442		5350	3546
4.505		2730	2738
4.546		16090	15821
4.601		10795	7183
4.616		29356	19524
4.662		76296	68598
4.708		111109	131739

RT A	Compound A	Height A	Area A
4.745		29321	21581
4.784		230250	228890
4.826		3090	2636
4.875		35679	41046
4.906		3761	2411
4.932		46007	42000
4.985		246168	346861
5.035		59488	54039
5.079		135365	157905
5.121		3129	1757
5.158		28748	33660
5.194		291139	348751
5.256		156136	150280
5.3		106643	107632
5.421		198983	289326
5.479		98840	97026
5.519		52190	47809
5.56		12331	10860
5.604		66972	68909
5.66		372350	476565
5.868		214876	253772
5.916		75068	144931
6.052		10324	11441
6.118		7786	6397
6.141		49510	47137
6.254		648	703
6.299		118500	126485
6.345		5822	5308
6.501		35126	38995
6.648	DCB	328012	391622
6.945		1572	4742

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:59:44 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: 25pcbs16207001B.0007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.042		1616	1093
2.149		1451	1616
2.184		2333	1996
2.221		1808	2261
2.288		2689	2097
2.399		2127	2521
2.487		4910	3811
2.521		2291	4032
2.536		10494	7317
2.601	TCX	964507	565588
2.646		18834	13168
2.691		2528	4138
2.773		43451	26789
2.818		9496	4249
2.834		42573	23315
2.886		229609	135549
2.933		1986	1771
2.997		27691	16626
3.093		291777	272089
3.145		31737	18808
3.166		14344	8200
3.192		22287	11863
3.215		278489	177800
3.253		9537	6470
3.299		70843	35874
3.315		44845	22957
3.366		165056	76998
3.375		299789	119478
3.409		290137	214251
3.484		285891	173670
3.52		214324	128370
3.543		231857	128294
3.562		74600	37679
3.648		253021	164378
3.671		101338	53310
3.692		90382	51804
3.722		63873	32566
3.739		214008	122423
3.779		76358	51216
3.826		10972	10319
3.847		53722	31148
3.869		278614	177133
3.894		55658	32313
3.915		6491	3182
3.932		54458	37289
3.969		225332	146436
4.002		14881	8225
4.017		17573	9849
4.064		6875	7054
4.111		18666	20433
4.168		61949	41725
4.21		61843	37033
4.228		55170	26143
4.241		162231	89030

RT B	Compound B	Height B	Area B
4.266		88911	88590
4.318		516708	370348
4.364		6827	6429
4.387		43861	28308
4.411		110181	78991
4.453		558781	441278
4.554		463124	433812
4.607		62414	50292
4.646		127999	107496
4.68		549365	460738
4.713		289965	209094
4.751		200372	151387
4.849		66510	64664
4.9		366371	286011
4.923		44649	27331
4.973		195763	169994
5.008		91319	70969
5.038		66145	53809
5.069		22038	13037
5.092		758114	651968
5.132		15291	10806
5.165		37394	31233
5.283		8755	5706
5.306		184374	147077
5.35		530936	601049
5.475		1087	1157
5.506		16305	12961
5.549		10573	7381
5.573		15361	11444
5.622		96944	88666
5.728		211383	180807
5.758		8540	6147
5.885		1584	1548
5.927		59816	52668
6.04		1632	2395
6.088	DCB	777580	707892
6.254		1678	1932
6.381		1765	2394
6.506		912	813
6.575		1691	2449

AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082

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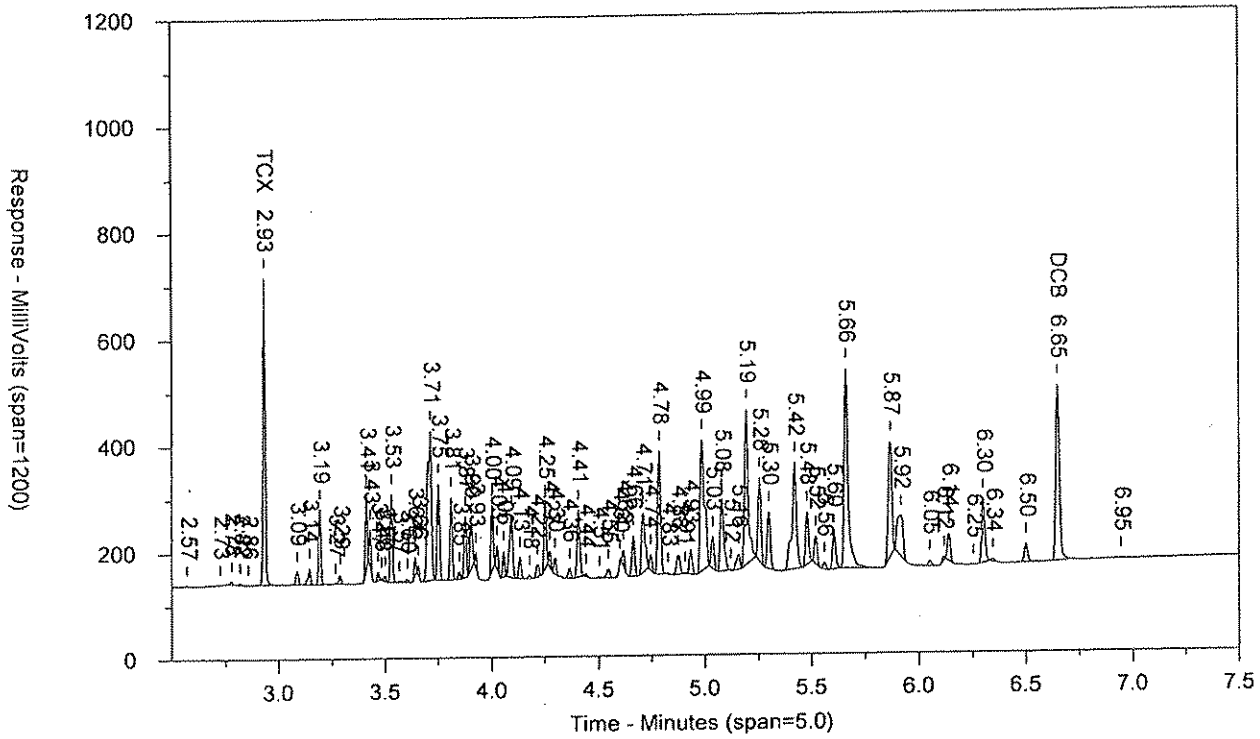

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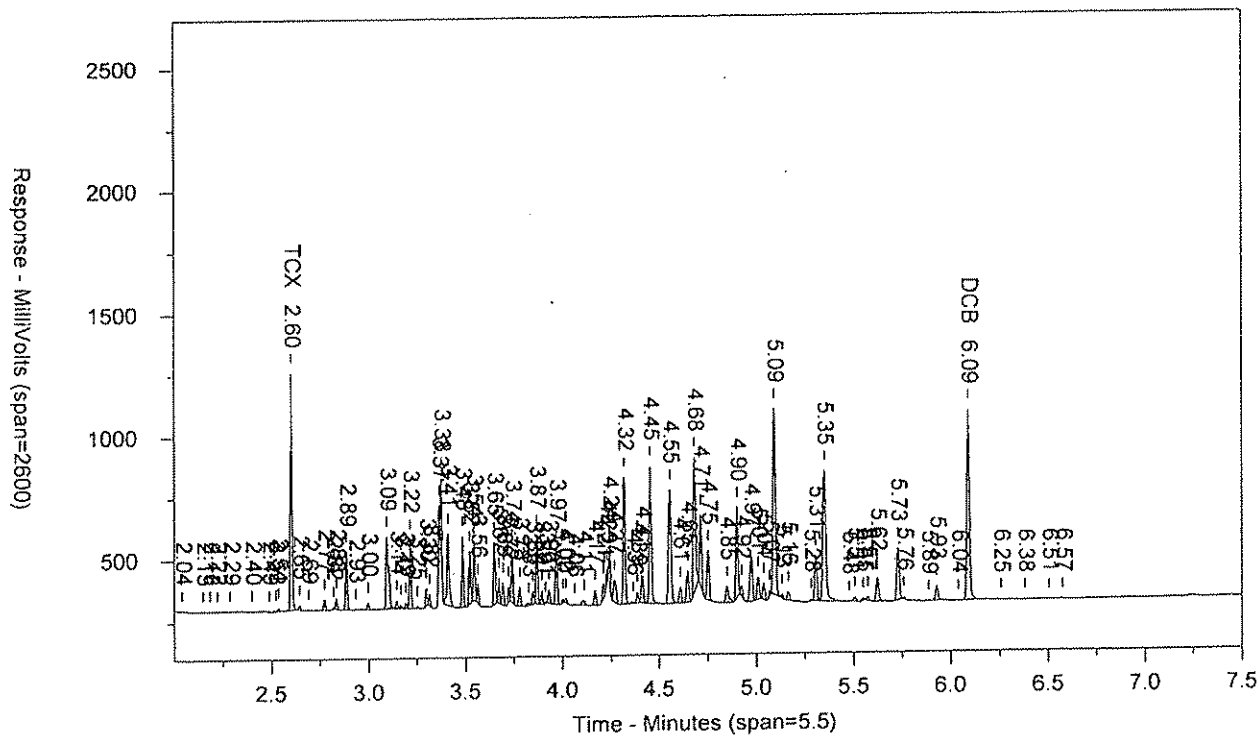

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:59:44 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: 4
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
2.932	575835	4.256	TCX	2.601	964507	3.927	TCX
6.648	328012	4.907	DCB	6.088	777580	4.087	DCB

Files:
Area File: 25pcbs16207001.0007.RAW
Area File: 25pcbs16207001B.0007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:08:15 PM
File Reported On: 7/25/2016 at 9:47:22 PM

AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082

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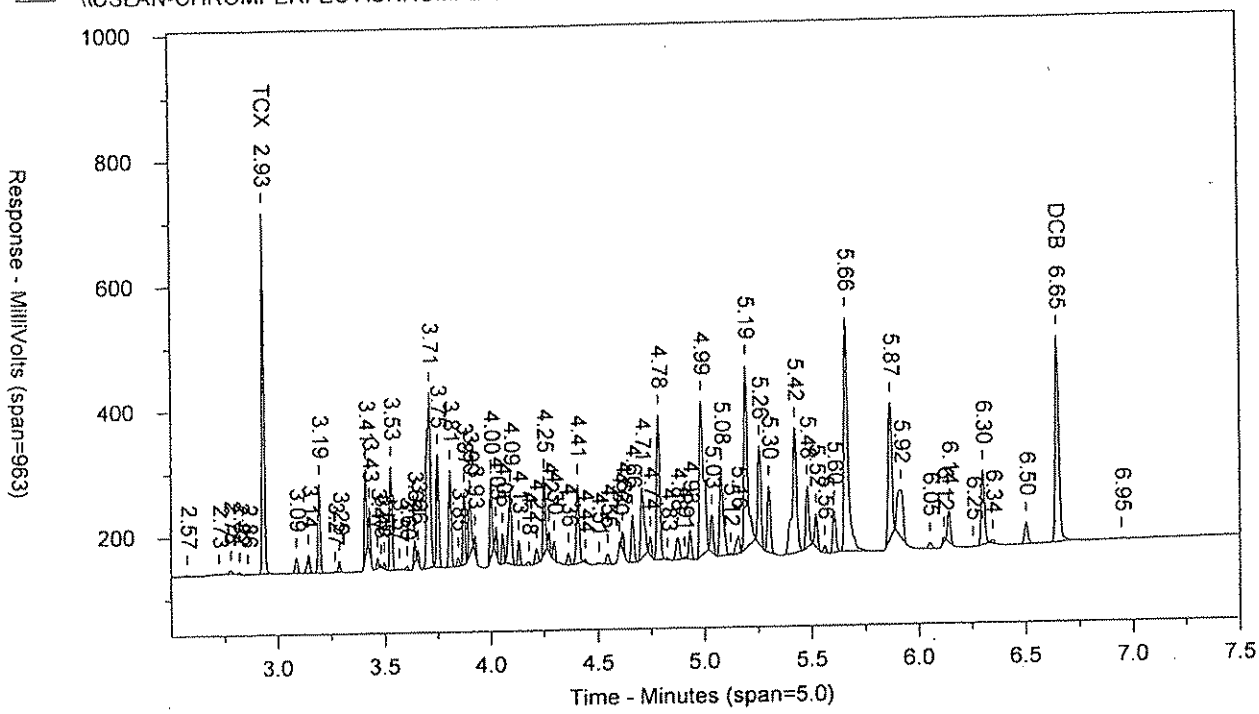

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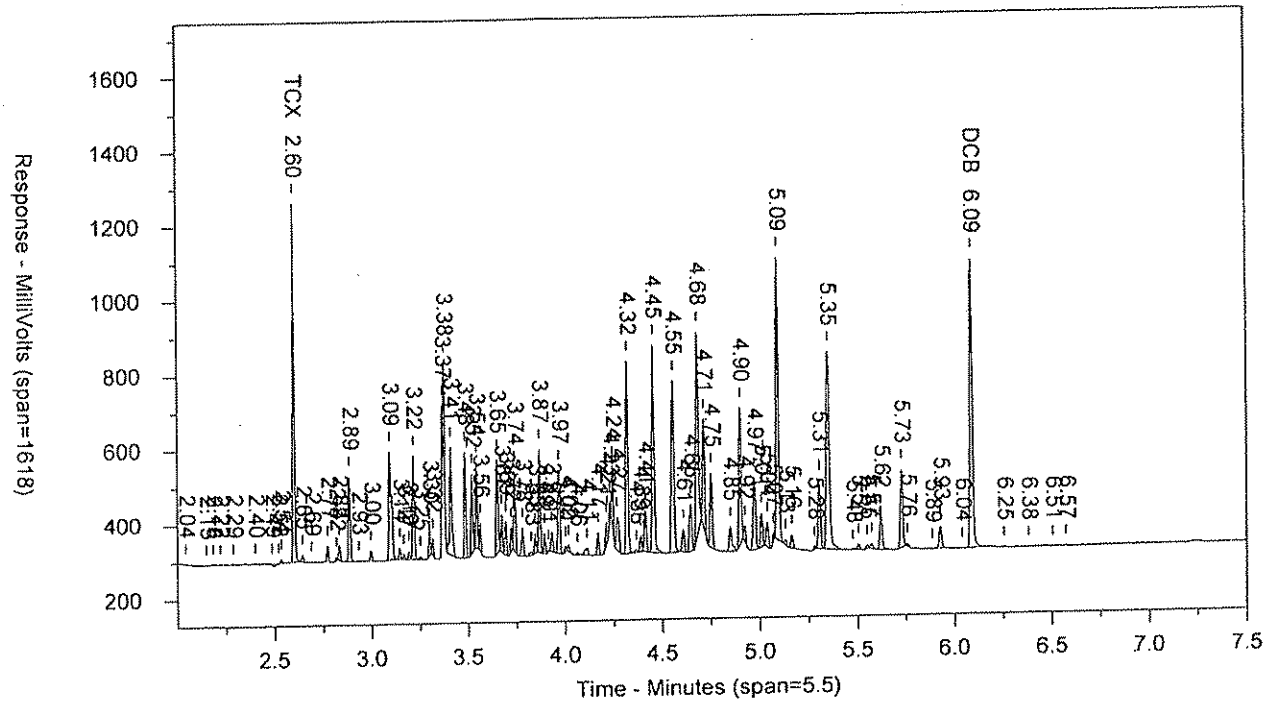

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:11:22 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: 25pcbs16207001.0008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.091		8992	13627
2.223		14473	11330
2.315		10977	6844
2.334		4772	2956
2.378		1287	1315
2.418		5695	5006
2.494		1466	1803
2.571		4361	4277
2.726		1123	641
2.779		5433	7458
2.821		3525	2538
2.85		1193	1147
2.931	TCX	2689757	1821614
3.086		44564	38925
3.144		58300	62695
3.193		242653	177143
3.266		6287	3470
3.287		31654	21323
3.41		243838	150173
3.427		120753	65072
3.465		30034	17837
3.481		8951	3919
3.498		20461	11801
3.528		289015	223955
3.565		1948	1018
3.583		2610	1519
3.603		11509	7605
3.64		93168	104219
3.7		133769	78652
3.712		263408	133629
3.748		329269	253738
3.807		284987	217454
3.846		27306	19131
3.874		198852	149963
3.901		150793	128942
3.923		50670	26445
4		219839	159608
4.024		80518	53956
4.054		94279	66763
4.091		209159	225255
4.131		76609	61546
4.177		13317	11139
4.214		28011	26628
4.251		204368	160882
4.271		57908	33622
4.295		64728	46039
4.362		34489	30359
4.406		213202	207625
4.44		9399	6706
4.502		4356	3879
4.544		29865	29132
4.6		24726	16311
4.614		51971	33472
4.661		142027	127921

RT A	Compound A	Height A	Area A
4.706		194598	236935
4.744		54356	40405
4.783		418965	410347
4.823		4637	4325
4.873		69584	80465
4.905		6945	4733
4.931		83519	79116
4.984		449963	621834
5.033		112574	100158
5.077		240985	289303
5.12		5867	3432
5.155		57212	69373
5.192		530367	626922
5.255		274524	263784
5.298		187703	193987
5.419		362827	523611
5.478		175072	172023
5.518		95698	88130
5.558		26134	24390
5.603		122870	128379
5.659		689214	873190
5.864		405602	457066
5.905		125990	261673
6.05		31694	33135
6.116		25363	20069
6.139		92445	79885
6.295		202730	226984
6.341		13258	11655
6.497		72292	84202
6.645	DCB	1302897	1513780
6.852		1289	2997

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:11:22 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: 25pcbs16207001B.0008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		7722	6561
2.149		1808	1513
2.185		2139	2010
2.221		1695	1247
2.288		5083	3613
2.346		2056	2030
2.404		1303	1479
2.486		2406	1612
2.537		9761	6062
2.562		9422	4900
2.602	TCX	4873008	2842686
2.646		32407	21631
2.694		1975	2864
2.773		80465	53185
2.819		47510	22873
2.834		75304	38845
2.886		423590	252997
2.935		11192	7640
2.997		53222	32779
3.04		1802	1606
3.093		556705	507964
3.145		62099	36547
3.166		27930	16023
3.192		41064	22258
3.216		512784	334127
3.253		18420	10530
3.279		3787	1764
3.299		136582	69344
3.315		85715	42123
3.375		987750	987539
3.409		545776	408074
3.484		549286	332659
3.519		406122	242414
3.543		438466	239923
3.561		144032	72307
3.611		1787	1215
3.648		489718	309672
3.671		192430	101485
3.691		178057	101114
3.72		130795	65426
3.738		418849	235513
3.778		144100	98466
3.825		20345	19152
3.846		107051	60832
3.868		529532	335687
3.893		106160	60814
3.913		14493	7086
3.932		78493	52089
3.967		437576	280644
4		28093	15845
4.015		35260	19869
4.062		4755	2803
4.11		36509	39145
4.166		119197	81002

RT B	Compound B	Height B	Area B
4.209		115999	68941
4.226		113749	54002
4.24		315870	170920
4.264		175625	174461
4.316		987956	711736
4.362		13201	13298
4.385		88891	56016
4.409		211071	152320
4.451		1104069	836526
4.553		925349	840884
4.606		124329	98936
4.644		250577	214593
4.679		1112753	892918
4.711		569615	398479
4.749		384823	294625
4.847		133901	128566
4.898		723434	560052
4.921		92389	57811
4.971		376583	332074
5.007		191057	142989
5.036		137786	110889
5.068		47903	26536
5.09		1590138	1300883
5.13		28600	19996
5.163		86805	70689
5.28		18855	11765
5.305		358494	283986
5.348		1080014	1178508
5.476		1049	795
5.504		53952	44574
5.547		21328	14820
5.571		56982	43689
5.62		199838	175024
5.726		413165	352547
5.757		19395	13243
5.925		136810	115292
6.041		1435	1788
6.085	DCB	3779903	3304045
6.314		1221	1732
6.387		1186	1614
6.54		3346	2908

AR1621624B AAAR162AA ICAL 1620699999 10736 SW-846 8082

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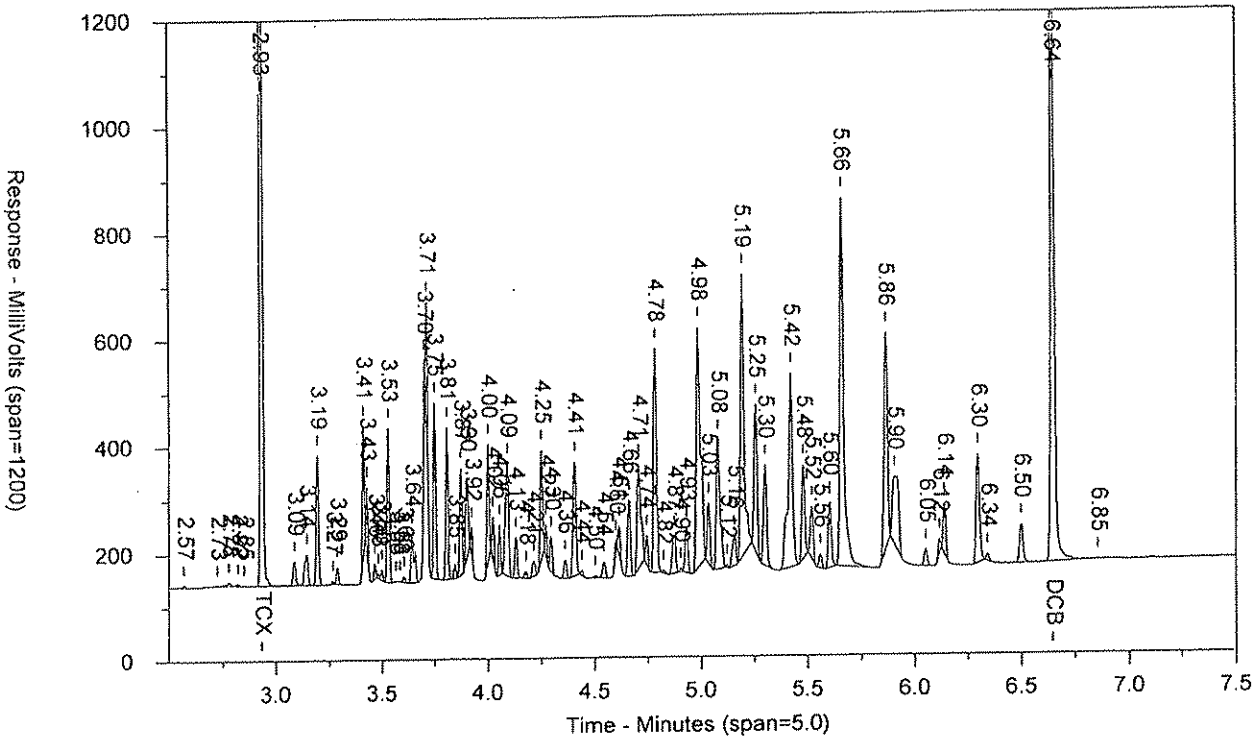

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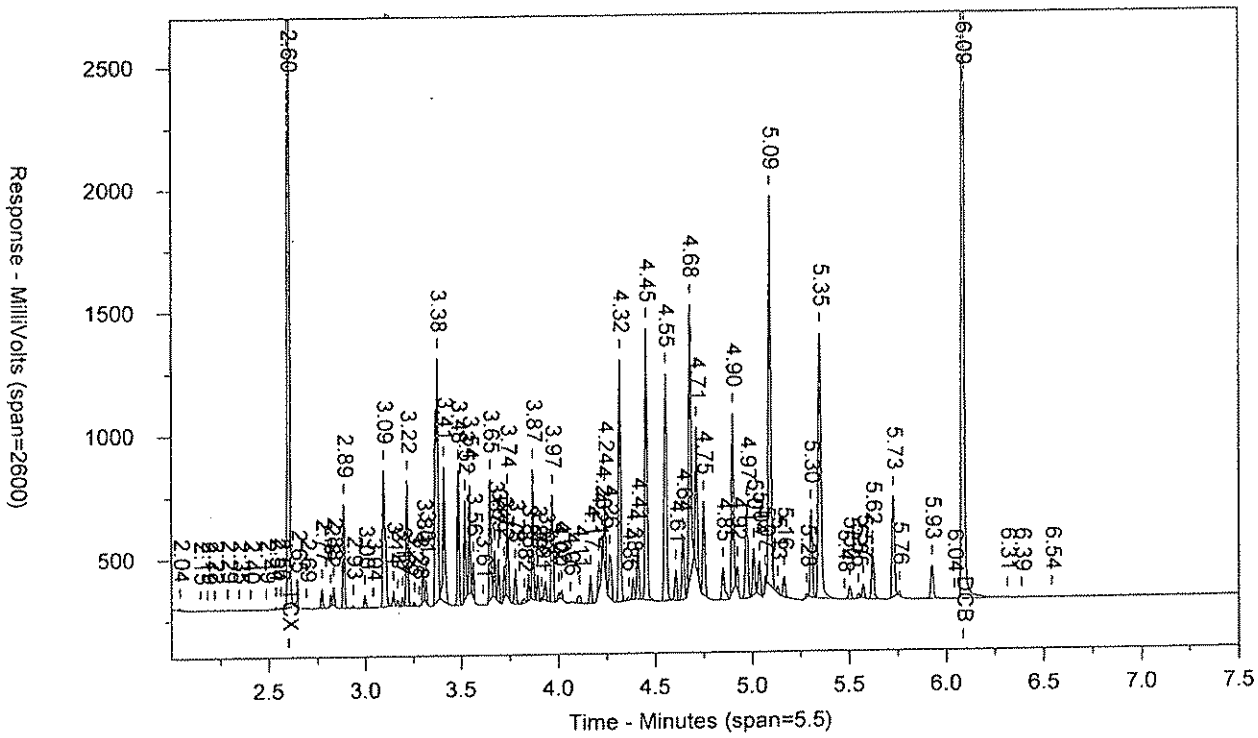

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:11:22 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: 4
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
2.931	2689757	19.881	TCX	2.602	4873008	19.84	TCX
6.645	1302897	19.492	DCB	6.085	3779903	19.869	DCB

Files:
Area File: 25pcbs16207001.0008.RAW
Area File: 25pcbs16207001B.0008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:19:54 PM
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AR1621624B AAAR162AA ICAL 1620699999 10736 SW-846 8082

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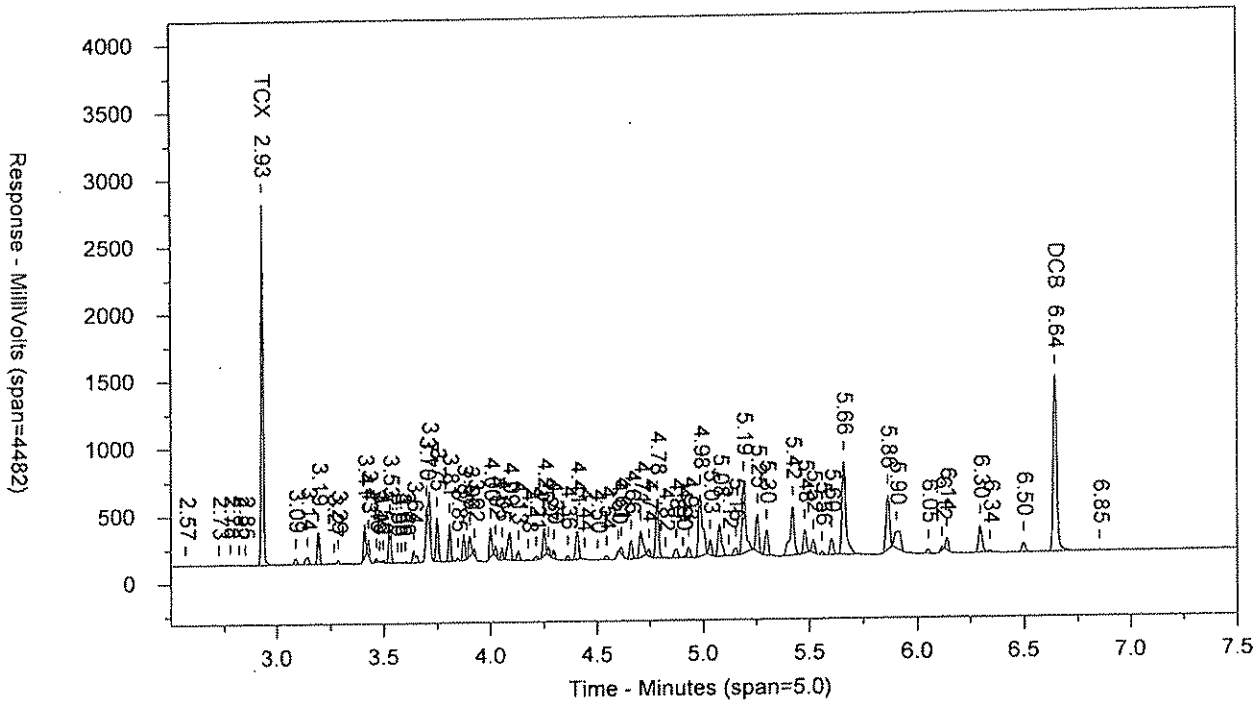

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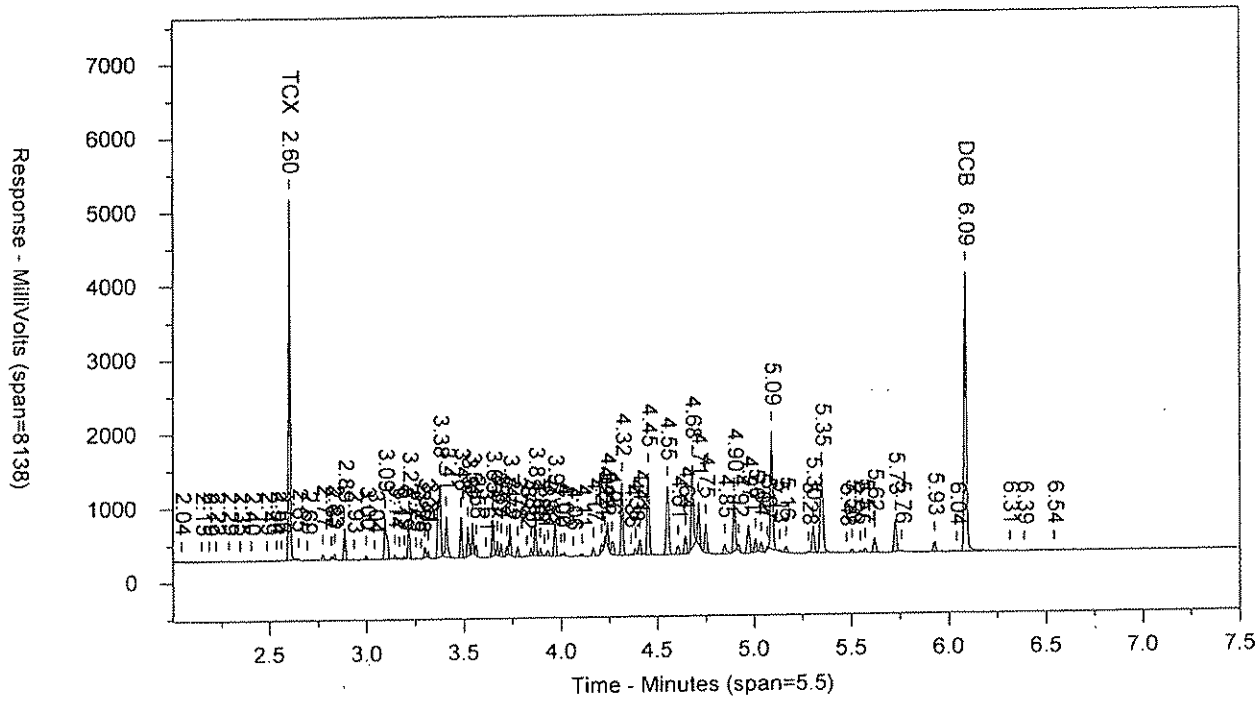

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:23:00 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: 25pcbs16207001.0009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.035		1483	2837
2.091		8013	18502
2.161		4170	10583
2.222		28011	22139
2.314		15294	9551
2.333		9563	5934
2.38		1219	1314
2.417		5797	5557
2.495		842	1680
2.571		7341	5767
2.671		1058	923
2.725		1250	926
2.78		10261	11579
2.82		4993	4665
2.85		2019	1972
2.931	TCX	5432286	3634253
3.086		84210	73141
3.143		110322	121461
3.192		452188	320909
3.265		11692	6659
3.286		61183	41033
3.325		1438	827
3.373		1090	670
3.409		436384	272126
3.426		224776	118756
3.463		66457	53163
3.496		38897	22345
3.527		546215	409147
3.562		3101	1654
3.581		7767	4657
3.601		21297	14041
3.638		118860	71196
3.653		62201	30580
3.699		245146	147474
3.71		510147	262395
3.746		603465	467004
3.806		509894	404981
3.844		52644	36491
3.872		359734	268883
3.9		260197	226048
3.921		87997	45998
3.998		392931	286147
4.022		137983	93111
4.053		168012	122367
4.088		379581	411506
4.129		139255	114313
4.175		21846	18986
4.213		42314	38150
4.248		391071	294260
4.269		100214	62216
4.293		112575	83867
4.36		66427	57246
4.403		392148	371261
4.437		17511	11717

RT A	Compound A	Height A	Area A
4.501		7887	7164
4.542		55183	56004
4.598		44466	29699
4.612		90728	59327
4.658		253209	230752
4.703		370216	421221
4.741		100857	74087
4.781		754145	747965
4.823		9227	8673
4.871		128491	150368
4.902		14048	8930
4.929		155882	145582
4.981		849659	1127491
5.031		186833	175255
5.075		447539	528466
5.118		12312	7445
5.154		103935	127821
5.19		1010804	1160220
5.252		526012	479468
5.296		348292	350929
5.418		648503	950057
5.476		311660	303880
5.516		171299	156885
5.556		51170	47335
5.601		220671	233416
5.656		1326128	1593330
5.863		754470	839511
5.903		228320	464120
6.048		58600	60074
6.114		45663	35329
6.136		151770	140018
6.294		367527	403425
6.339		26883	23753
6.42		1150	1286
6.495		129500	151262
6.643	DCB	2538189	2839143

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:23:00 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: 25pcbs16207001B.0009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		14866	11456
2.147		1616	2128
2.187		2550	2670
2.222		1842	1993
2.289		9276	6825
2.349		5785	5441
2.38		3748	4906
2.486		2073	1559
2.52		2654	1746
2.536		19202	11906
2.601	TCX	10029410	5794845
2.646		59981	41221
2.773		156824	101132
2.818		95507	45715
2.833		144574	73809
2.886		807741	480950
2.934		21454	11825
2.996		103360	61853
3.093		1054721	959067
3.144		123478	71727
3.165		53695	29992
3.191		80799	43348
3.214		994133	635695
3.252		34804	19466
3.278		11923	5489
3.298		255990	134362
3.314		152111	73470
3.374		1941671	1932983
3.408		1067586	783295
3.482		1109752	647582
3.518		764512	457561
3.541		829407	455444
3.56		272552	137699
3.646		906700	584316
3.669		351777	189791
3.689		305472	179799
3.718		237101	120674
3.736		788640	450401
3.776		280334	188809
3.822		40216	37208
3.844		206985	119022
3.865		1032268	647108
3.891		202245	123025
3.911		32812	15546
3.93		131429	83993
3.965		817682	535784
3.998		49811	29274
4.014		66727	38492
4.059		5973	3279
4.074		6897	3802
4.108		71341	74790
4.164		225354	154841
4.207		232323	130537
4.224		226578	108762

RT B	Compound B	Height B	Area B
4.237		627317	332984
4.262		336136	337300
4.314		1880993	1379010
4.361		25003	26221
4.383		182492	112149
4.407		406652	292138
4.45		2187877	1622383
4.551		1807632	1648472
4.603		239852	193999
4.642		481747	409857
4.677		2231226	1789052
4.709		1093699	777730
4.747		759582	571277
4.807		2370	2063
4.845		269664	251474
4.896		1461923	1100096
4.919		187561	116952
4.969		723028	642147
5.004		378045	281360
5.034		264535	216275
5.065		103574	58956
5.088		3233497	2612843
5.129		56604	39368
5.161		170551	136829
5.279		37155	23028
5.302		656965	547521
5.346		2133306	2315835
5.502		101502	83454
5.546		46703	31871
5.57		102916	79807
5.619		386053	334514
5.725		838867	695569
5.756		39891	28439
5.879		2288	1859
5.924		264262	224463
6.084	DCB	7539095	6613675
6.424		1338	923
6.537		7432	9089
6.709		1324	1361
6.817		767	563
6.94		1386	1637

AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082

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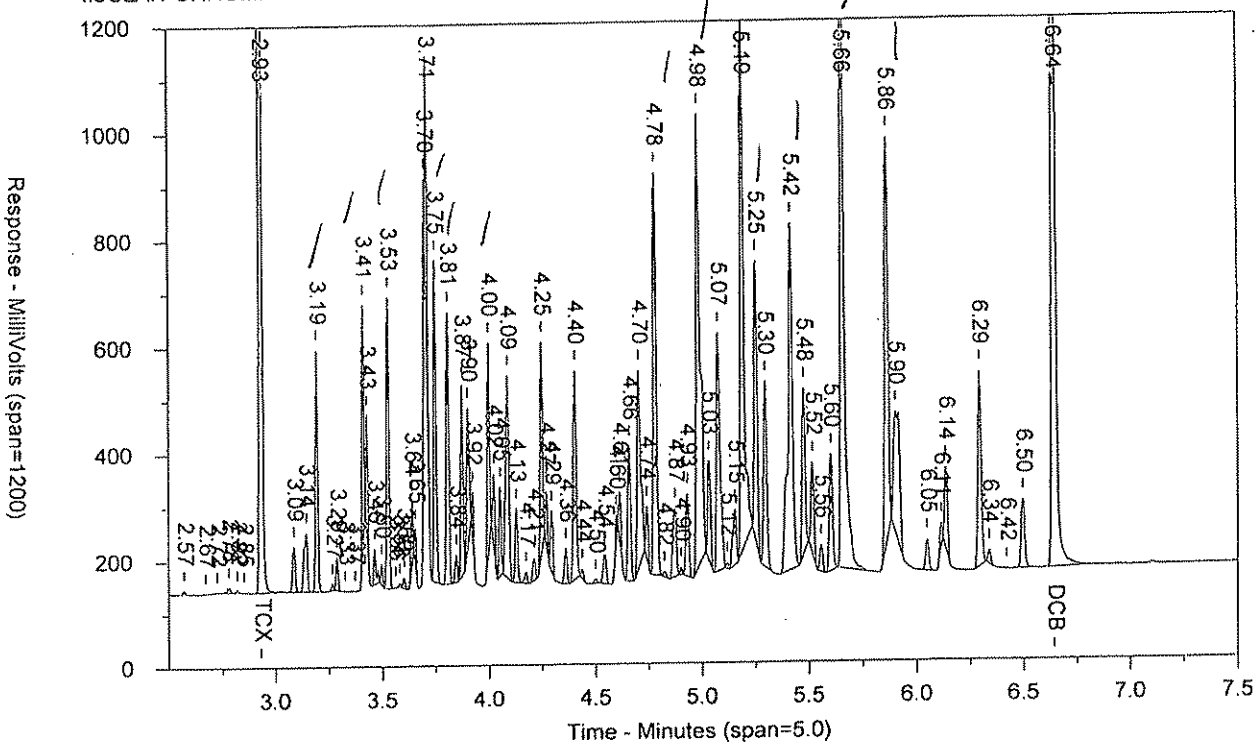

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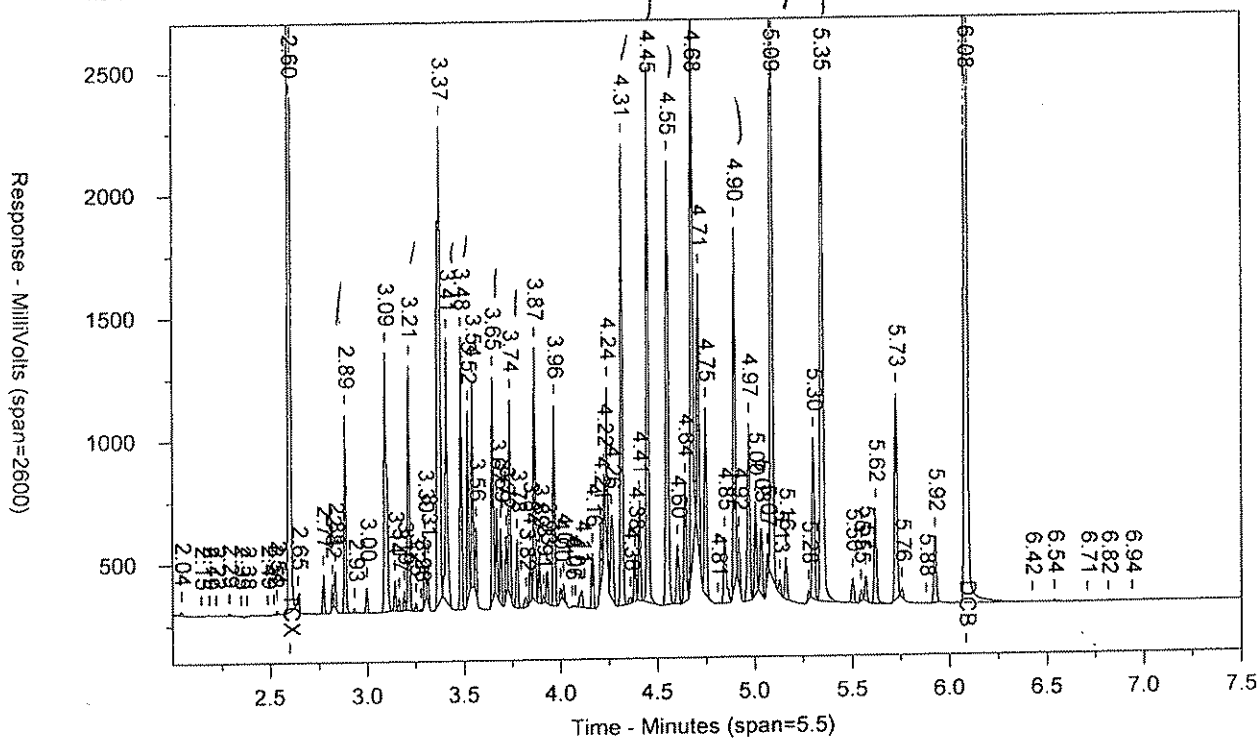

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:23:00 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: 4
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
2.931	5432286	40.151	TCX	2.601	10029410	40.834	TCX
6.643	2538189	37.972	DCB	6.084	7539095	39.63	DCB

Files:
Area File: 25pcbs16207001.0009.RAW
Area File: 25pcbs16207001B.0009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:31:30 PM
File Reported On: 7/25/2016 at 9:47:46 PM

AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082

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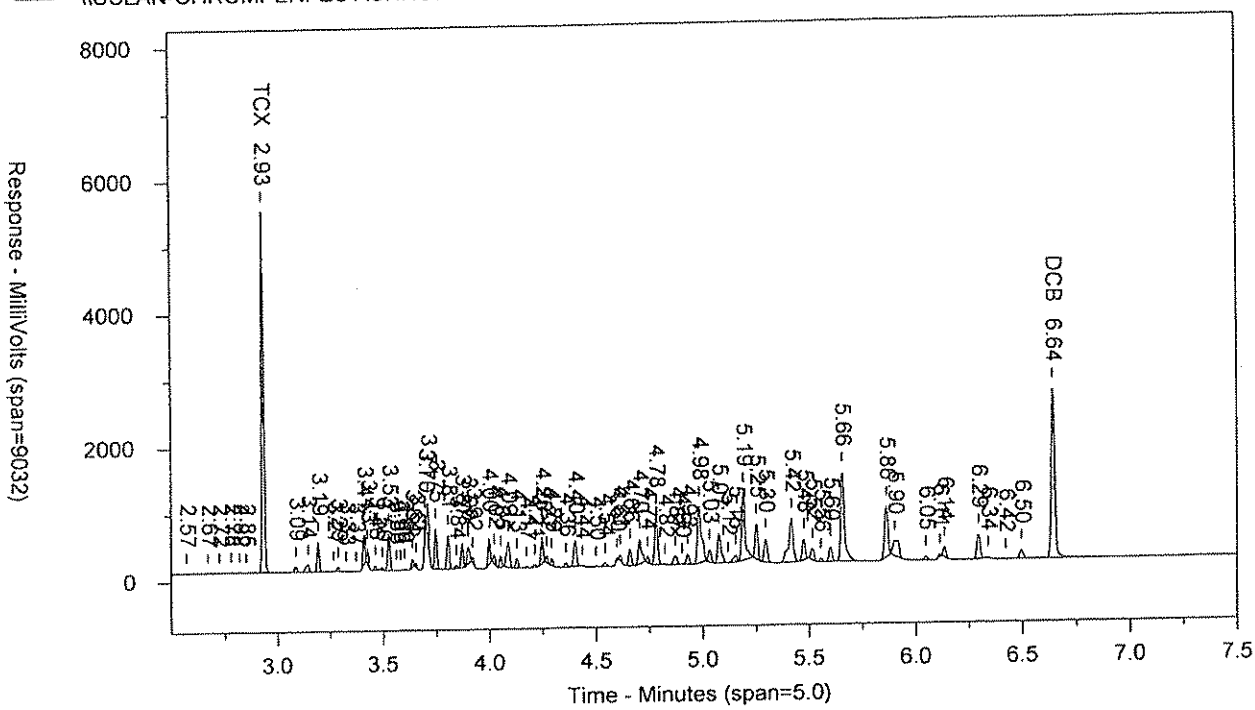

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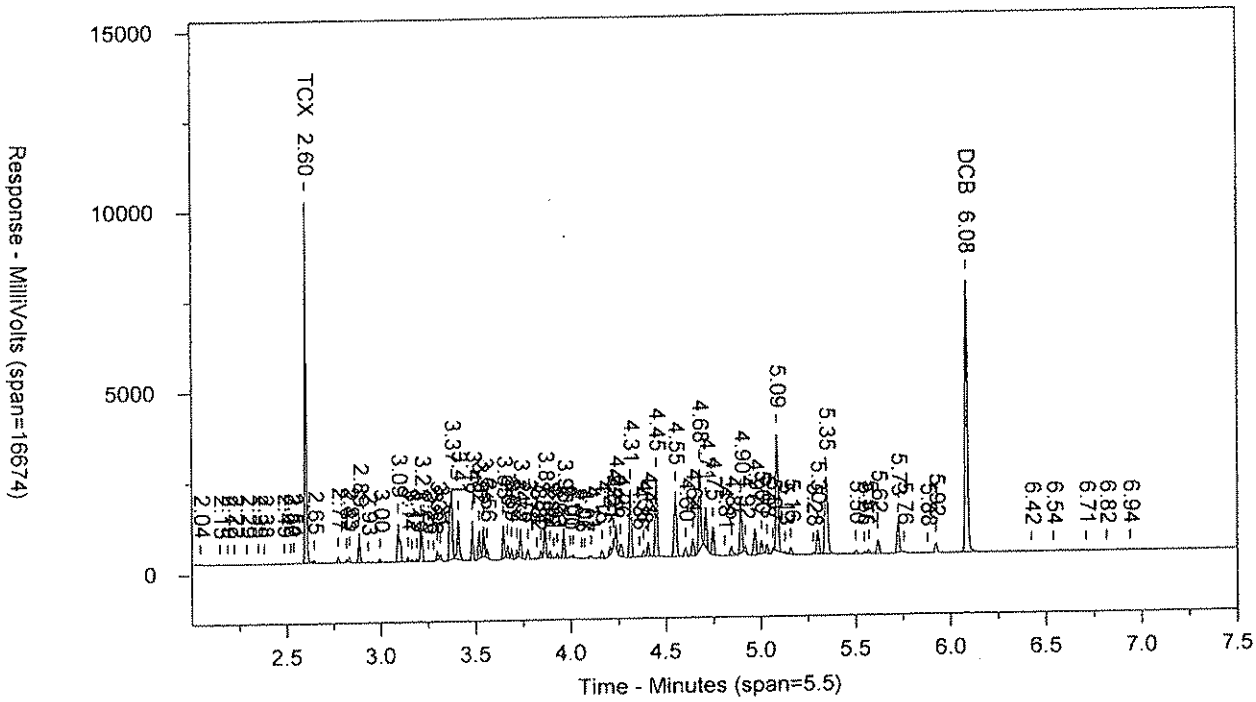

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:34:32 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: 25pcbs16207001.0010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.039		987	1498
2.091		8325	14986
2.151		2191	3561
2.222		41178	31290
2.314		7431	4363
2.333		15850	10385
2.378		1478	1513
2.417		3625	3992
2.495		1323	1463
2.571		16919	13126
2.669		925	986
2.726		662	430
2.779		5131	6412
2.819		2684	2221
2.851		4142	3625
2.931	TCX	7926535	5409246
3.085		187942	162908
3.143		232404	229306
3.192		1017864	710660
3.265		17560	9860
3.286		139303	94250
3.324		3692	3397
3.409		996532	612013
3.426		480771	257792
3.463		130817	76727
3.479		41559	18234
3.496		90533	51903
3.527		1198798	914139
3.562		7079	4015
3.58		10556	6440
3.601		51743	33465
3.639		257222	151273
3.653		131149	66824
3.698		602676	331742
3.71		1342092	664169
3.746		1410523	1061855
3.805		1156610	925002
3.845		107474	75931
3.872		779815	582306
3.899		586947	498270
3.922		193677	107128
3.998		911339	642521
4.022		304995	200599
4.053		363271	261476
4.089		858952	908247
4.129		294962	245087
4.174		47198	35467
4.213		71395	65543
4.249		859186	646698
4.269		237173	134021
4.293		248474	182938
4.36		144266	127740
4.403		878064	810862
4.437		38845	27114

RT A	Compound A	Height A	Area A
4.5		13767	11641
4.542		126238	130071
4.597		83132	61755
4.612		194527	129337
4.658		543974	500918
4.704		820885	913323
4.741		204636	155685
4.781		1807916	1676478
4.823		23675	22180
4.871		279323	321261
4.903		28494	18062
4.929		320674	304527
4.981		1940855	2535220
5.031		409646	370357
5.076		1019768	1162846
5.117		28529	17254
5.154		212763	252574
5.189		2376548	2642537
5.252		1111853	1053981
5.296		738714	752905
5.418		1491473	2084047
5.476		685388	636577
5.516		361395	325960
5.556		105225	101442
5.6		481944	496305
5.656		3264300	3599434
5.863		1834981	1889904
5.915		519739	992145
6.048		97357	102913
6.113		78541	62573
6.136		325977	302871
6.294		773774	850880
6.339		55929	51968
6.495		248838	290877
6.642	DCB	3703575	4158914

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:34:32 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: 25pcbs16207001B.0010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		22507	17187
2.136		2266	2308
2.184		1475	846
2.221		2048	3394
2.289		21603	15312
2.351		2575	2532
2.465		960	1725
2.484		1724	1561
2.519		1676	1527
2.536		8911	5318
2.56		4908	2925
2.601	TCX	14995870	8740978
2.646		146920	101352
2.773		353508	233657
2.818		132547	61037
2.833		335501	179243
2.886		1863982	1105283
2.934		31635	17702
2.996		242249	146120
3.093		2359185	2214437
3.144		283212	168955
3.165		131150	70514
3.191		187139	101436
3.215		2355779	1482657
3.252		82486	47465
3.279		15754	7538
3.298		612090	311831
3.314		358031	166291
3.34		3488	1556
3.374		4842649	4726868
3.408		2512375	1844827
3.483		2666585	1565795
3.518		1750171	1066382
3.542		2017310	1072005
3.56		629108	315332
3.646		2178382	1392062
3.669		824909	441115
3.69		789316	448289
3.719		566317	289695
3.736		1884364	1078197
3.777		664190	438576
3.823		96059	87201
3.844		459882	275533
3.866		2450024	1541390
3.891		496543	289860
3.911		89757	42261
3.931		278789	171337
3.965		1941634	1261675
3.999		125660	73235
4.014		165300	94996
4.058		6887	3928
4.075		17644	11313
4.108		170861	182108
4.165		542182	369099

RT B	Compound B	Height B	Area B
4.207		511890	302581
4.224		594829	272461
4.238		1426832	782277
4.264		808156	781491
4.314		4692886	3323250
4.357		60130	61721
4.383		403450	261377
4.408		944188	680685
4.45		5312826	3926137
4.551		4542856	4027220
4.604		570483	458371
4.642		1159221	960309
4.677		5503696	4476325
4.71		2757428	1887045
4.747		1843150	1375640
4.805		4872	5331
4.845		644951	604598
4.896		3609876	2688569
4.919		444004	277708
4.97		1780102	1519460
5.004		856382	655332
5.034		630859	504379
5.066		235927	142582
5.088		7995832	6513520
5.129		142189	98549
5.161		353731	287395
5.279		84317	54063
5.303		1634911	1289980
5.347		5435908	5678534
5.503		179194	152412
5.547		108979	77728
5.571		181291	136931
5.619		917059	778942
5.725		2042951	1663063
5.756		98252	68529
5.875		2126	2192
5.925		586076	514778
6.045		1857	2088
6.084	DCB	11439050	9779439
6.257		3715	3026
6.538		9287	8670
6.613		1407	1083
6.713		2088	2906
6.933		1325	1876

AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082

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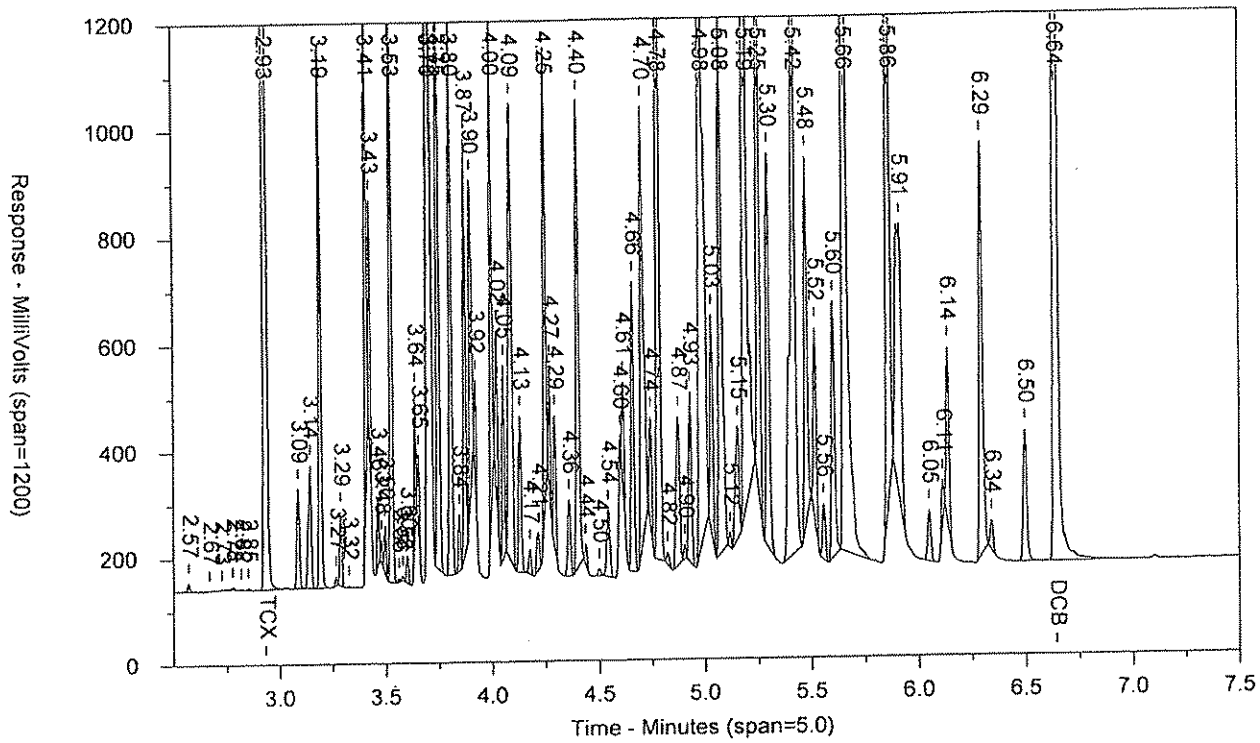

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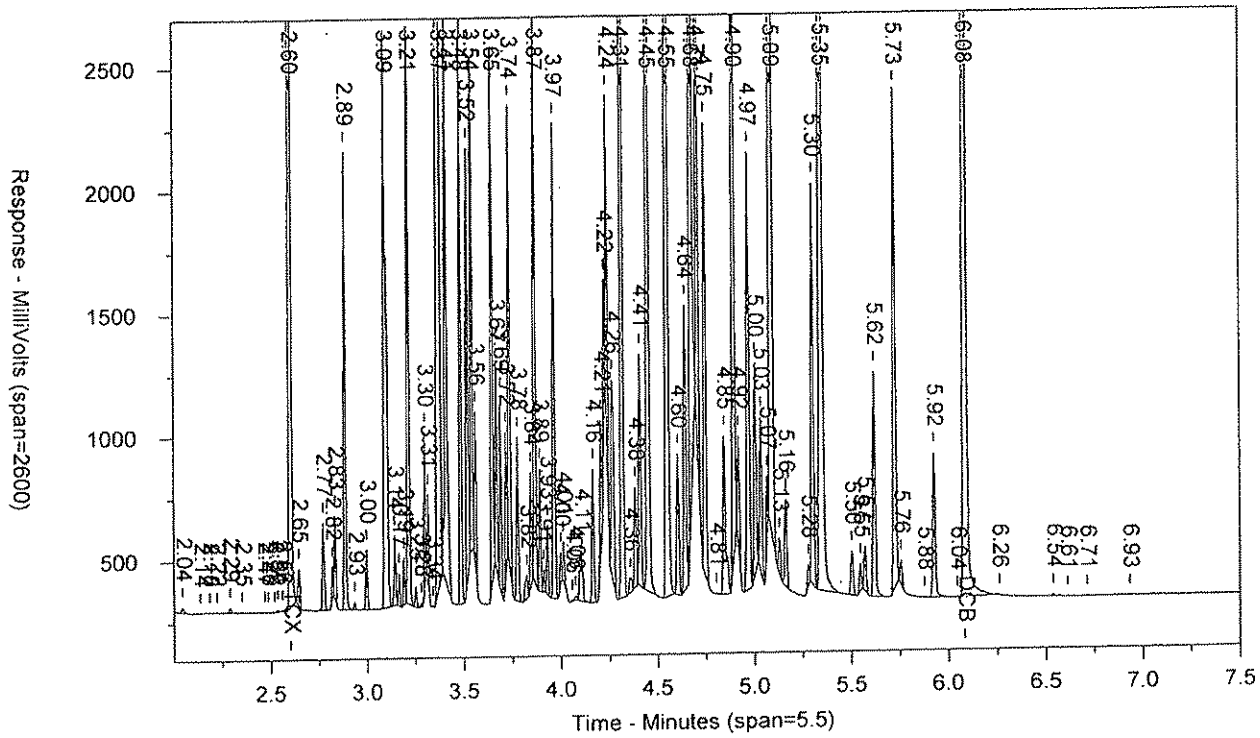

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:34:32 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: 4
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
2.931	7926535	58.587	TCX	2.601	14995870	61.055	TCX
6.642	3703575	55.407	DCB	6.084	11439050	60.13	DCB

Files:
Area File: 25pcbs16207001.0010.RAW
Area File: 25pcbs16207001B.0010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:43:05 PM
File Reported On: 7/25/2016 at 9:47:58 PM

AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082

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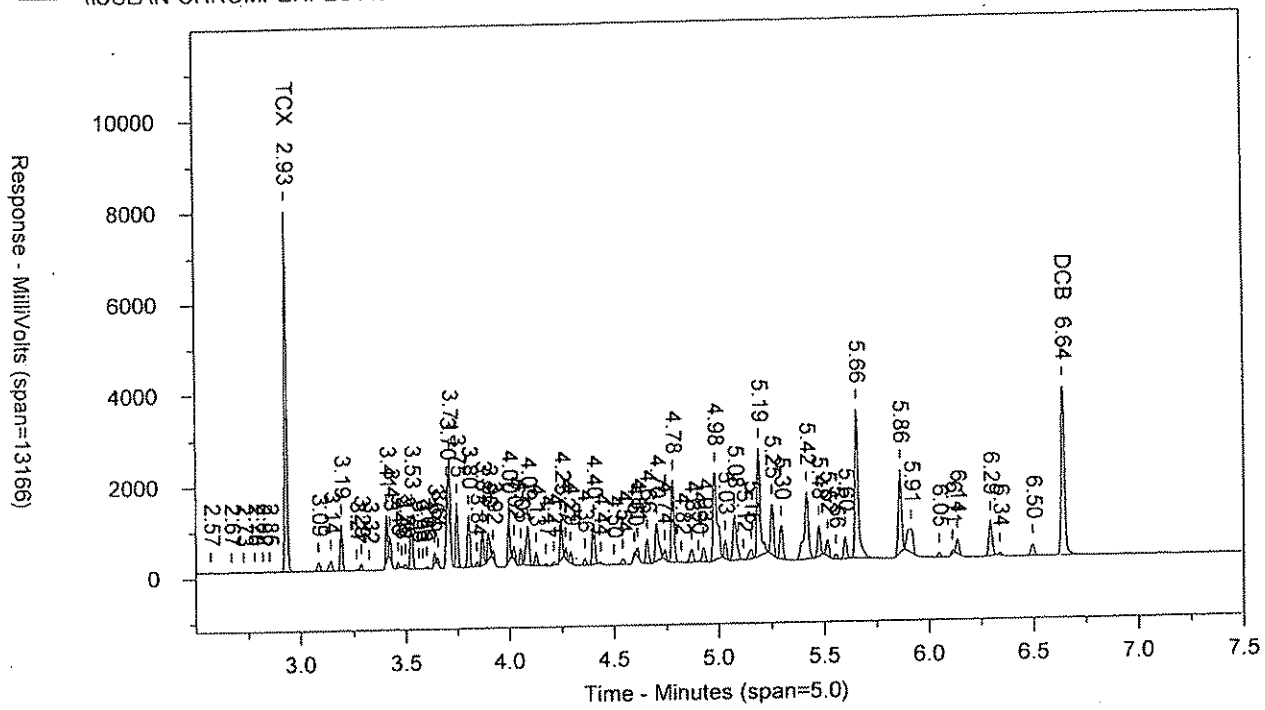

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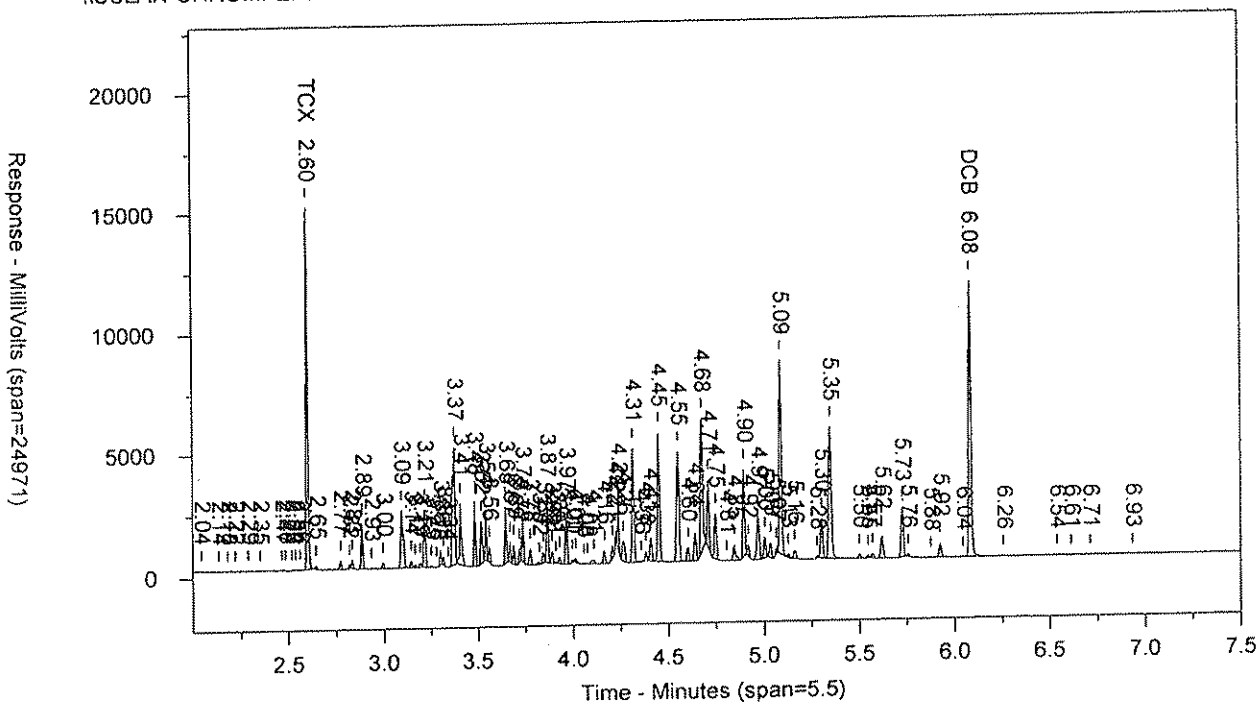

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:46:16 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: 25pcbs16207001.0011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.036		1343	2548
2.092		7418	14406
2.16		2180	3862
2.223		53999	40621
2.315		10032	5899
2.334		19956	13091
2.379		1525	1550
2.419		5922	6161
2.571		30311	22081
2.67		1007	984
2.726		1243	754
2.78		6055	6915
2.819		4302	3489
2.851		7443	5821
2.931	TCX	10683310	7079775
3.034		1774	1081
3.086		342152	298212
3.143		420657	379208
3.192		1908158	1342413
3.265		20184	11314
3.286		247059	172501
3.325		7231	4873
3.409		1973375	1179249
3.426		937882	493728
3.463		228918	138667
3.479		73332	31970
3.496		152077	90912
3.526		2351283	1741116
3.561		13026	6929
3.579		14747	8740
3.601		94716	64802
3.638		683940	802101
3.698		1340137	693636
3.709		2604249	1283670
3.745		2772389	2067521
3.805		2383597	1807003
3.844		192607	135812
3.871		1544271	1115537
3.899		1124307	960244
3.921		348906	187921
3.997		1764973	1261953
4.021		586979	369601
4.052		661752	481303
4.088		1699404	1747778
4.128		550104	453870
4.174		92843	74014
4.213		115146	108242
4.248		1800603	1288314
4.268		419164	248500
4.292		455476	342841
4.359		256195	233544
4.403		1698205	1554752
4.437		67436	45262
4.5		25155	21477

RT A	Compound A	Height A	Area A
4.541		207893	216508
4.597		151242	107031
4.611		363065	232922
4.658		1050086	956841
4.703		1598835	1776653
4.741		399557	293249
4.781		3724133	3346062
4.822		37097	37181
4.871		516667	600523
4.902		47764	29521
4.928		625714	564562
4.981		3985464	5114708
5.031		777057	702672
5.075		2061509	2309738
5.117		50328	29172
5.154		396703	466950
5.19		4997319	5472330
5.252		2388969	2145688
5.296		1537151	1465911
5.397		76934	180816
5.417		2570826	2311266
5.476		1305817	1249038
5.515		699477	614115
5.556		175271	176803
5.6		940780	960080
5.656		6741890	7300633
5.862		3729614	3888599
5.903		998416	1961913
6.048		142131	150148
6.113		114150	90535
6.136		629419	587423
6.294		1573960	1621513
6.338		105248	97975
6.495		456080	505991
6.591		1291	1012
6.642	DCB	5042495	5471349

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:46:16 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: 25pcbs16207001B.0011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.045		28492	22538
2.136		2650	3659
2.187		2766	2931
2.226		2055	3148
2.289		41463	28719
2.35		2557	2224
2.401		1352	1468
2.484		1302	1335
2.519		2794	1869
2.536		10395	6020
2.56		9124	5047
2.601	TCX	19918110	11577730
2.646		274185	196304
2.773		681526	442496
2.818		157987	72495
2.833		631651	350086
2.886		3538536	2115646
2.934		40214	22466
2.996		457241	279188
3.092		4519374	4254479
3.144		553108	325587
3.165		252988	137393
3.191		354265	192436
3.214		4540597	2886867
3.251		163936	91810
3.278		16699	7778
3.298		1171228	611551
3.313		691743	322047
3.339		6633	3072
3.364		2471431	1253072
3.373		5693026	2446454
3.407		5017617	3627878
3.482		5286985	3143029
3.518		3597646	2114749
3.541		4004133	2143297
3.559		1307263	631035
3.645		4420697	2749119
3.668		1642967	868092
3.689		1551197	876768
3.718		1104829	560047
3.735		3810314	2172727
3.776		1250641	861382
3.822		181031	164193
3.843		933746	550059
3.865		5107289	3111400
3.891		979285	580975
3.911		159362	80406
3.93		527731	319548
3.965		3942649	2550791
3.998		238490	137503
4.013		315598	182593
4.057		10050	5043
4.074		32734	21766
4.107		305926	323537

RT B	Compound B	Height B	Area B
4.164		1090835	729739
4.206		1055179	580062
4.223		1108954	517977
4.237		3193263	1690419
4.263		1572607	1579096
4.314		9538450	6777001
4.36		112260	114952
4.382		816332	527405
4.406		2023125	1375205
4.448		11165600	8128668
4.55		9185713	8321480
4.603		1112497	905919
4.641		2361790	1949124
4.676		11648760	9302951
4.709		5737056	3859847
4.746		4007703	2886494
4.805		13373	14487
4.844		1336238	1246730
4.895		7431989	5610496
4.919		915924	563661
4.969		3694734	3136754
5.003		1834292	1367941
5.033		1308897	1047505
5.065		522714	311450
5.087		17733230	13859520
5.128		304670	215918
5.161		663219	527433
5.278		154704	106660
5.302		3337806	2667807
5.346		11286940	11863970
5.502		294510	242707
5.546		239434	175778
5.57		268583	198707
5.618		1802186	1579197
5.725		4394949	3467559
5.755		193351	140653
5.875		2860	2610
5.924		1101245	968163
6.042		1945	1694
6.084	DCB	15370220	13118180
6.258		7869	6109
6.422		2445	3383
6.537		12487	11005
6.608		1894	1922
6.711		3160	3373
6.823		1047	1021
6.894		1830	3475
6.931		2604	2704

AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082

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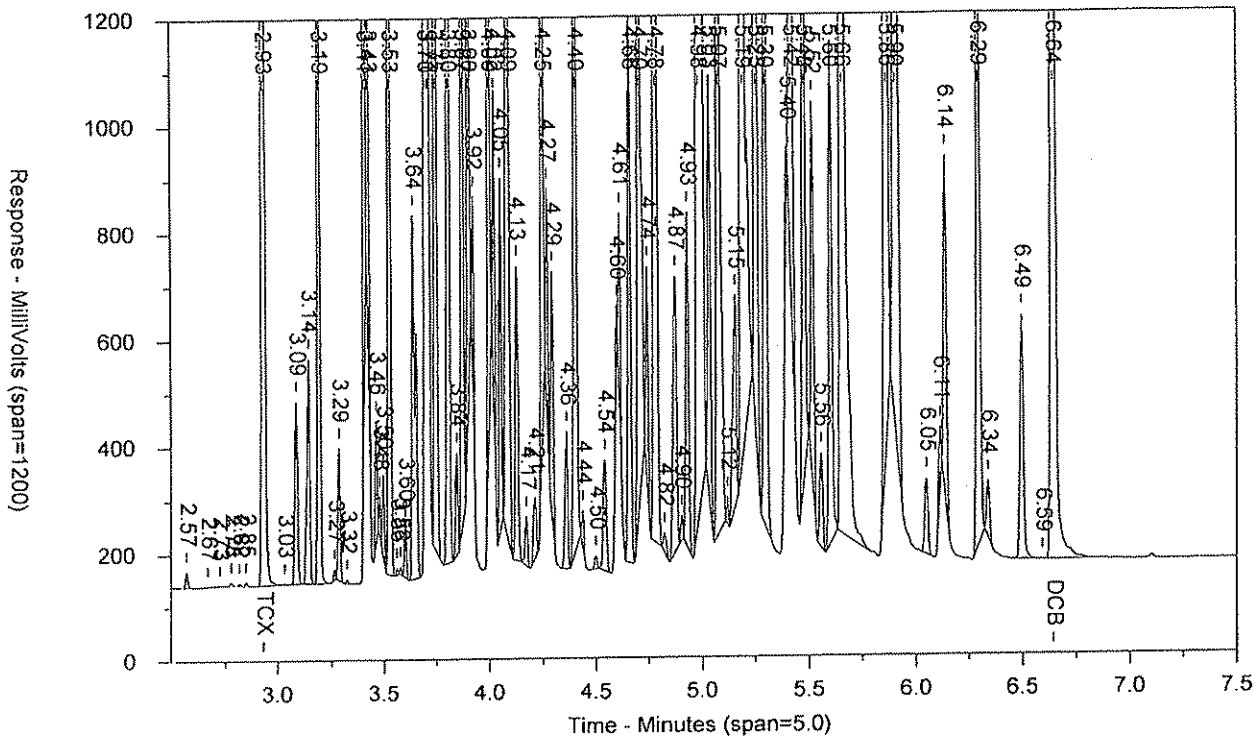

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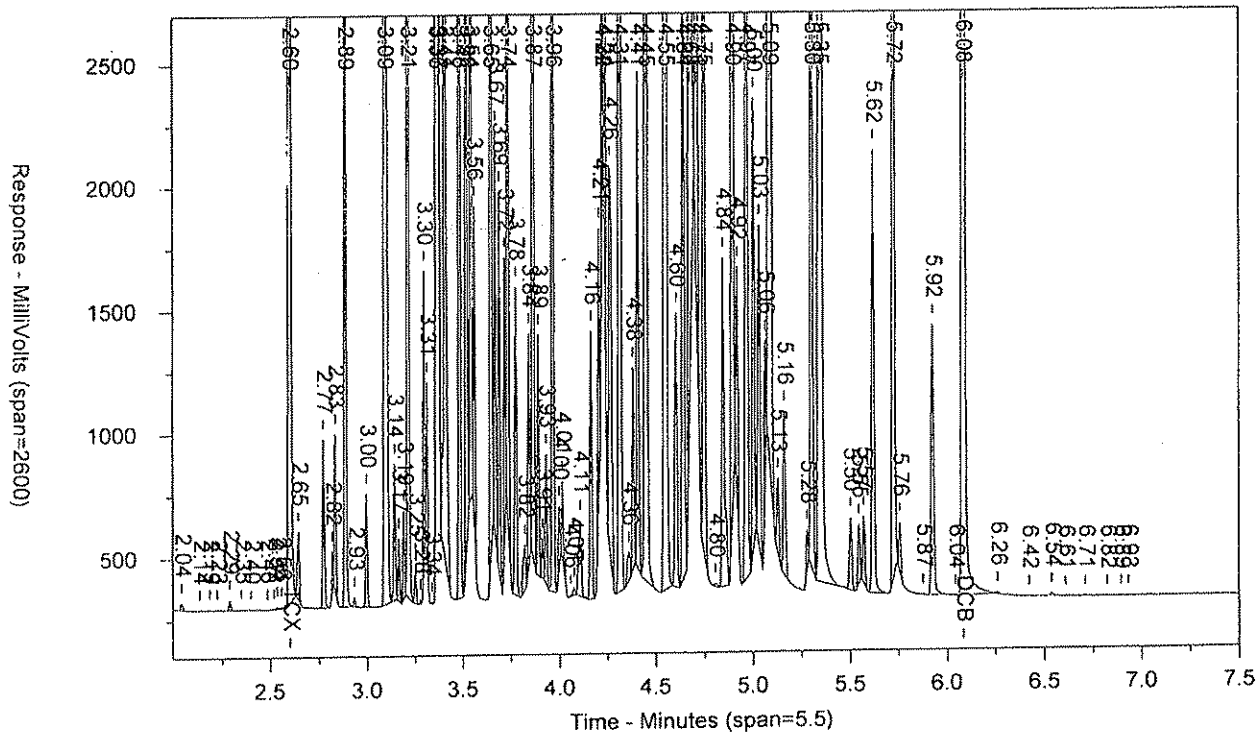

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:46:16 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: 4
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
2.931	10683310	78.963	TCX	2.601	19918110	81.096	TCX
6.642	5042495	75.438	DCB	6.084	15370220	80.795	DCB

Files:
Area File: 25pcbs16207001.0011.RAW
Area File: 25pcbs16207001B.0011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:54:46 PM
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AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082

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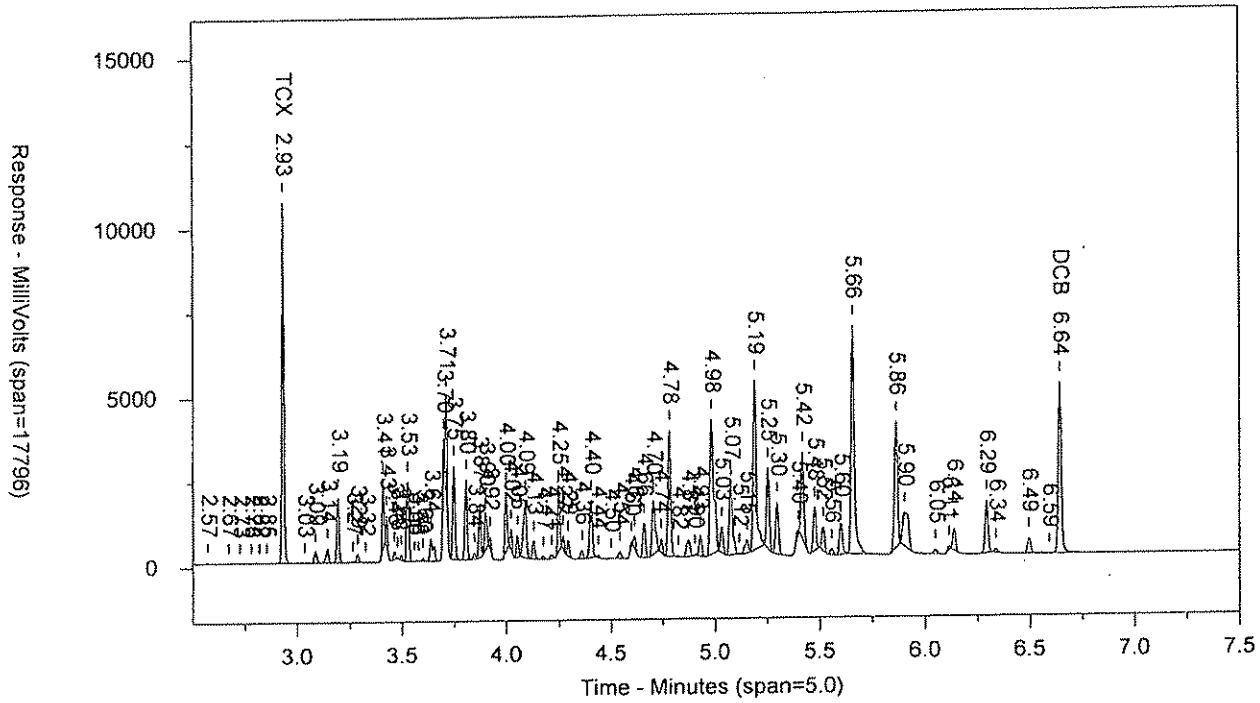

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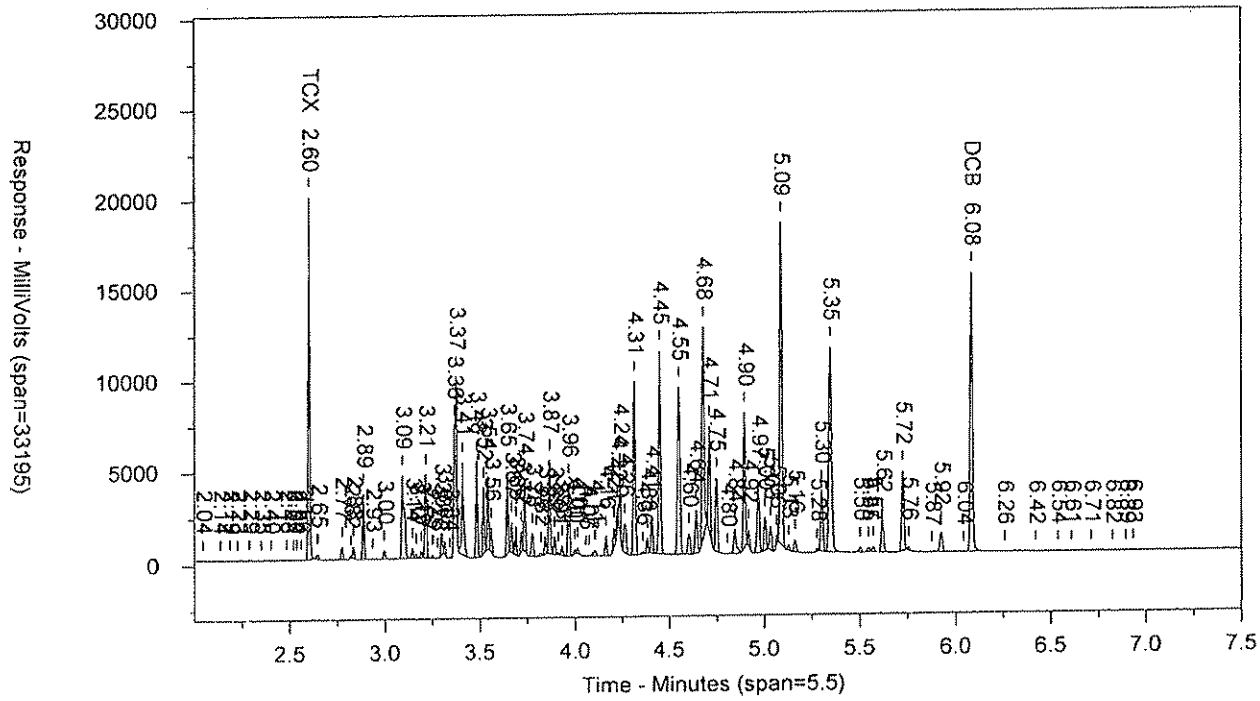

LANCASTER LABORATORIES

Sample Number: AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:57:59 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: 25pcbs16207001.0012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.091		11739	17436
2.222		3245	3551
2.315		23803	17493
2.379		1520	1501
2.418		7304	6319
2.494		1202	907
2.521		1735	1229
2.575		1848	3766
2.671		1577	1833
2.78		25759	25867
2.821		5661	4364
2.932	TCX	567374	400872
3.086		5498	6210
3.134		9138	8986
3.192		30015	24787
3.266		1374	811
3.287		5452	4095
3.409		74371	45649
3.427		23012	11876
3.464		5909	4802
3.527		77706	57232
3.566		1680	2574
3.601		3084	1953
3.639		18062	18278
3.71		151482	216901
3.747		89430	68941
3.805		88652	70562
3.845		17081	12456
3.872		150813	113032
3.899		101203	83212
3.922		34012	19280
3.998		171160	126050
4.022		53017	34097
4.053		63336	45695
4.089		137576	135529
4.129		52251	40615
4.173		7091	7450
4.213		28767	28590
4.248		117614	84709
4.269		138133	92265
4.293		148215	111311
4.36		15984	15063
4.4		140691	124528
4.422		43589	49797
4.479		2071	1417
4.502		12431	10432
4.543		46217	40049
4.596		66579	58510
4.628		37534	27863
4.658		108874	96133
4.702		2743	2764
4.744		40872	36503
4.782		11249	12816
4.832		8632	7877

RT A	Compound A	Height A	Area A
4.873		64205	64225
4.93		1173	740
4.955		4315	3741
4.982		6590	4836
4.999		4979	3387
5.031		1190	887
5.074		63470	64839
5.116		1359	852
5.145		3393	3926
5.192		23398	29757
5.252		3168	2445
5.295		2647	2679
5.4		7437	13662
5.476		2468	2756
5.524		2300	3125
5.601		4038	4167
5.657		7158	5976
5.835		817	820
5.862		5592	5791
5.916		2588	5421
5.999		786	959
6.048		5365	6434
6.115		7674	11360
6.294		2702	2994
6.384		817	1532
6.493		5169	6544
6.641	DCB	342678	398391
6.942		1204	1829

LANCASTER LABORATORIES

Sample Number: AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:57:59 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: 25pcbs16207001B.0012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.043		2035	2269
2.15		2172	2259
2.184		3780	3365
2.227		2584	3009
2.264		2714	2329
2.344		1751	4887
2.486		1288	600
2.52		3927	1646
2.536		67784	61071
2.601	TCX	972179	572297
2.691		2247	4206
2.774		9536	6295
2.819		11427	5971
2.834		7892	4351
2.886		43158	26170
2.933		1816	1044
2.997		8070	5503
3.093		145481	124152
3.145		8911	4989
3.168		3146	2710
3.191		3044	1526
3.215		113435	72354
3.252		4708	2868
3.299		25269	12757
3.316		19903	10706
3.375		247016	276632
3.395		23430	9909
3.408		115629	64899
3.483		169260	99710
3.519		290763	175745
3.542		262605	147253
3.56		87525	44370
3.646		346761	214222
3.669		111434	59434
3.69		107980	61138
3.719		54772	27306
3.736		241820	142720
3.776		94119	61428
3.823		16935	13389
3.844		185869	110691
3.867		453692	283748
3.892		307008	186410
3.912		21856	10010
3.93		47265	29799
3.966		131311	84752
4		233422	168551
4.027		108893	58839
4.058		3921	2053
4.074		14242	8582
4.109		78765	56680
4.165		134692	95934
4.197		77299	53935
4.225		211887	145326
4.263		4035	3532

RT B	Compound B	Height B	Area B
4.317		82975	74085
4.352		18102	13105
4.384		120525	86487
4.407		5188	2676
4.45		20030	13095
4.475		12663	8811
4.549		21661	21942
4.599		105774	84062
4.64		7777	7940
4.678		34368	29825
4.71		4107	4127
4.748		2915	1828
4.771		2423	2362
4.829		1659	2112
4.896		6171	4490
4.919		9854	7320
4.971		2792	2204
5.006		1411	1025
5.038		2351	2440
5.068		3904	2733
5.088		11171	8574
5.161		8105	7486
5.303		6395	5682
5.348		8782	10098
5.475		1449	1128
5.504		8302	6864
5.571		11562	11649
5.618		2602	2179
5.649		3807	4226
5.724		5515	6086
5.878		1432	1508
5.923		10003	13074
6.039		1503	1858
6.084	DCB	800999	717524
6.174		2577	3247
6.242		1241	1874
6.417		1928	3782
6.536		1054	848
6.655		1044	963

AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082

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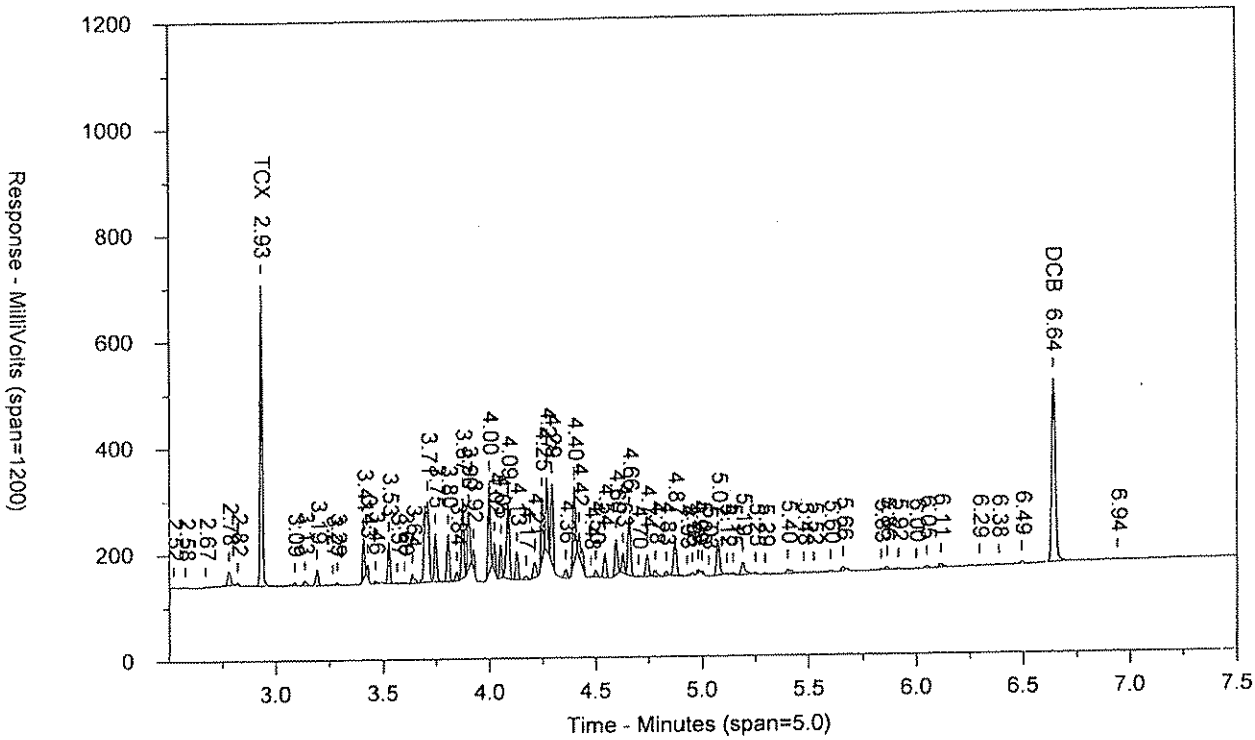

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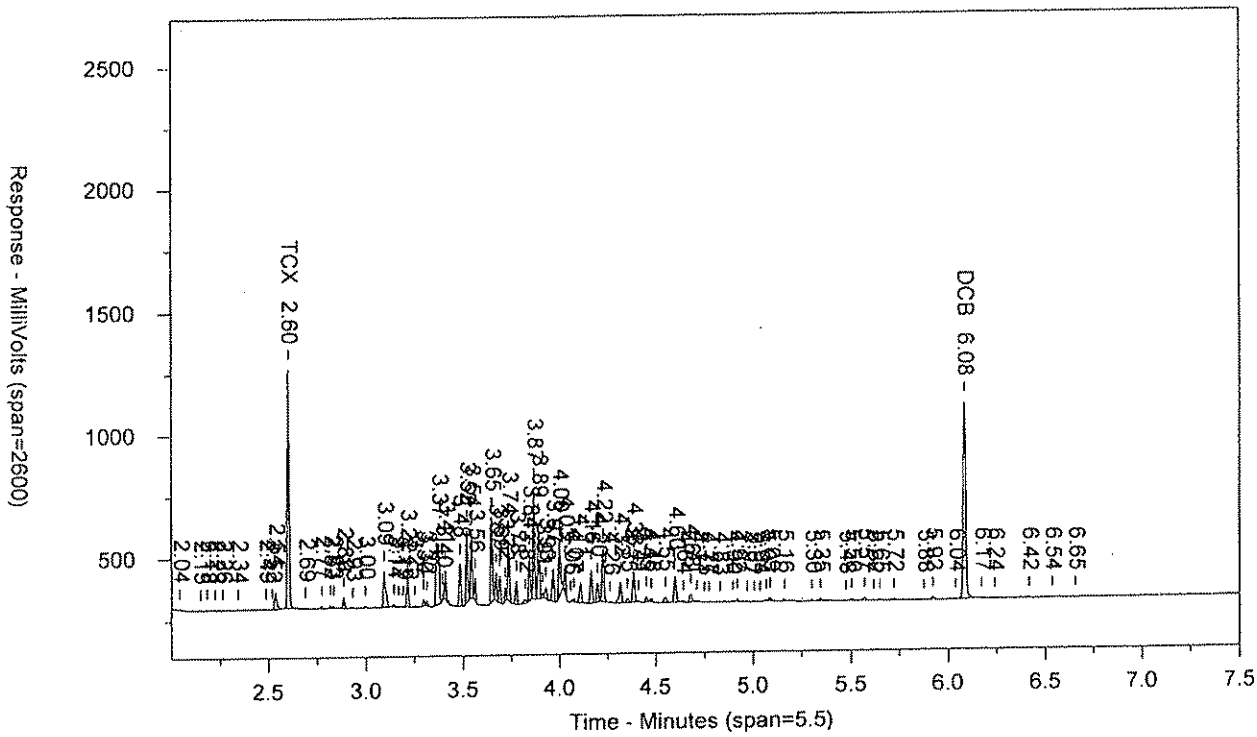

LANCASTER LABORATORIES

Sample Number: AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:57:59 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: 4
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
2.932	567374	4.194	TCX	2.601	972179	3.958	TCX
6.641	342678	5.127	DCB	6.084	800999	4.211	DCB

Files:
Area File: 25pcbs16207001.0012.RAW
Area File: 25pcbs16207001B.0012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:06:32 PM
File Reported On: 7/25/2016 at 9:48:22 PM

AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082

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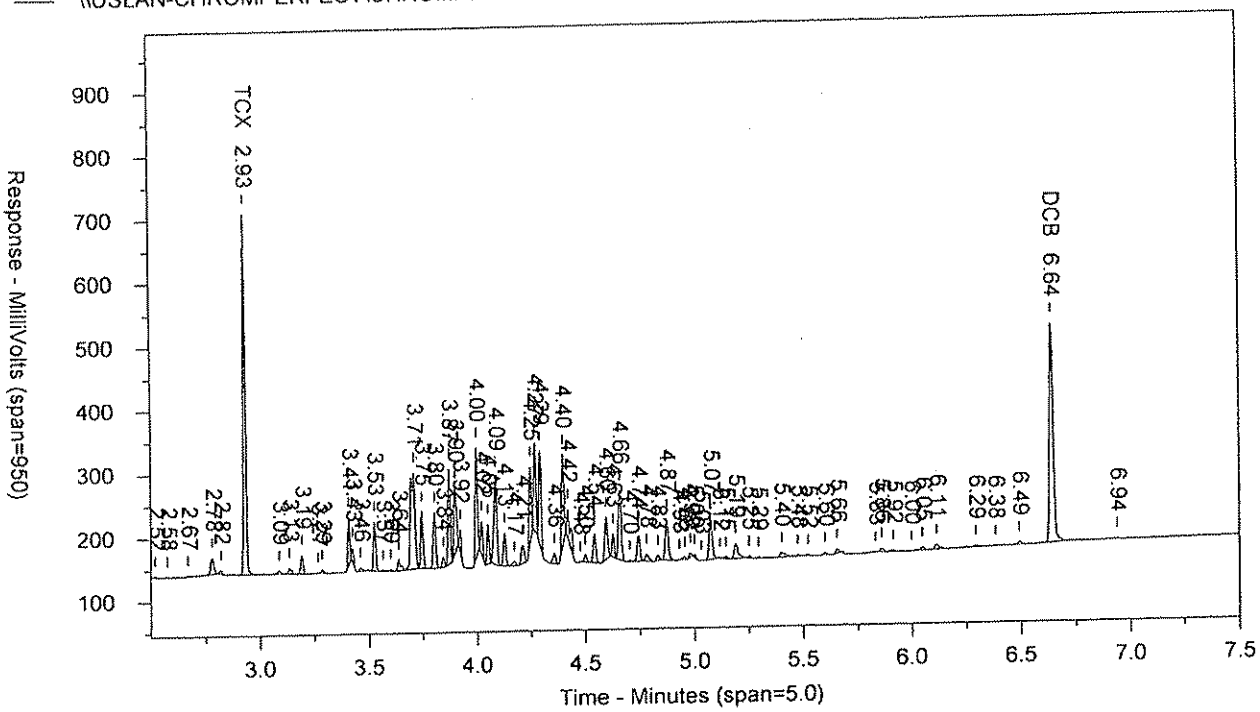

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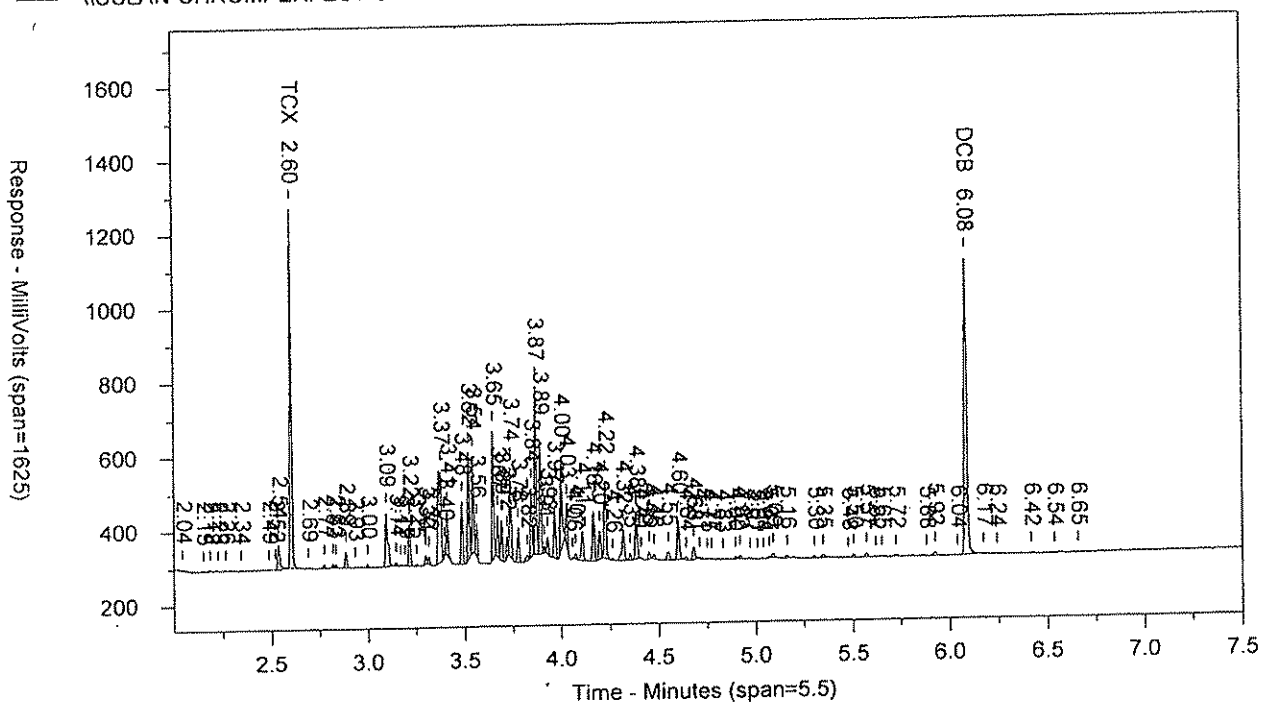

LANCASTER LABORATORIES

Sample Number: AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:09:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207001.0013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.042		1562	3428
2.09		12885	18562
2.194		2008	1754
2.222		14532	11281
2.298		916	573
2.315		9974	6074
2.334		4742	2837
2.378		1372	701
2.396		1306	777
2.419		4283	3277
2.494		3148	2182
2.588		2192	2891
2.68		2354	2560
2.727		685	843
2.779		7577	9011
2.82		3280	2616
2.857		2463	2202
2.932	TCX	2720575	1854187
3.027		2007	1826
3.086		9000	7383
3.108		1414	884
3.133		39012	32313
3.192		54858	41265
3.266		8192	4876
3.287		9784	6018
3.346		2240	2086
3.409		134094	84831
3.426		46368	24391
3.464		10637	6182
3.495		4385	2778
3.527		134733	101983
3.567		2086	1553
3.602		5179	3280
3.639		35565	36137
3.71		272684	394717
3.746		162190	126442
3.781		1236	674
3.805		159834	132173
3.845		28469	20394
3.872		275480	203802
3.9		178189	150553
3.922		62880	35738
3.998		304713	226657
4.022		94651	62626
4.053		116516	85598
4.089		252322	248871
4.129		97843	78515
4.175		11533	10205
4.214		44801	42198
4.249		219207	153757
4.269		253694	166516
4.293		277943	205092
4.36		31210	29131
4.4		248408	222984

RT A	Compound A	Height A	Area A
4.422		79246	93763
4.478		4375	2811
4.502		19700	16088
4.545		84948	77703
4.597		123798	111441
4.629		71024	54500
4.659		193615	179352
4.703		4635	4400
4.744		80262	72504
4.781		19612	22719
4.833		18922	16934
4.874		123954	130316
4.955		10148	12545
4.982		11799	8524
5		9437	6509
5.033		2374	1917
5.076		125506	125547
5.116		2367	1779
5.146		10072	10638
5.192		39908	41988
5.253		5337	4295
5.297		3576	3575
5.402		13927	25839
5.476		3623	3653
5.52		2661	2846
5.557		5226	4850
5.601		6466	6151
5.658		8112	6264
5.678		13520	10695
5.863		9986	12108
5.916		4270	8243
6.049		23448	24397
6.116		29405	39022
6.251		707	637
6.295		5545	5943
6.421		986	971
6.496		20232	20810
6.643	DCB	1318232	1554321

LANCASTER LABORATORIES

Sample Number: AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:09:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		7090	4824
2.079		2741	1458
2.145		1771	2348
2.186		5758	4180
2.222		2168	1825
2.288		5203	4047
2.346		2604	2789
2.389		4030	4096
2.488		5666	3549
2.519		1978	1672
2.536		14451	11633
2.602	TCX	5016663	2935458
2.681		5462	6612
2.757		1513	686
2.774		21459	14300
2.819		61581	44896
2.864		3815	2322
2.886		80267	47202
2.934		10227	5535
2.954		4390	2632
2.997		17253	10617
3.042		5185	4539
3.093		273971	230929
3.144		17915	9466
3.166		6786	4507
3.191		6830	3429
3.215		226302	143475
3.252		8011	4715
3.278		4082	1468
3.299		50189	26519
3.315		28144	14446
3.375		484925	540291
3.394		46011	18357
3.408		220747	129785
3.454		3187	1854
3.483		317943	194248
3.518		562155	341327
3.542		518029	285770
3.56		175027	87625
3.61		5033	4122
3.646		696200	420714
3.669		215070	116921
3.69		210670	121926
3.719		111793	55593
3.736		496524	279677
3.776		181233	122720
3.823		31394	27087
3.844		377735	223271
3.867		921207	566751
3.892		664269	375835
3.911		53829	24572
3.93		70391	40952
3.966		264845	167392
3.999		461559	342321

RT B	Compound B	Height B	Area B
4.028		233261	123399
4.059		2957	1297
4.074		31758	19953
4.108		158936	113333
4.164		269321	192865
4.197		158232	106244
4.224		404259	290431
4.262		7828	7290
4.317		167323	148078
4.352		38766	26469
4.384		247653	177658
4.407		8705	4543
4.45		34479	21828
4.475		20983	13671
4.548		40817	40265
4.599		232373	178413
4.641		14349	15915
4.678		64153	56160
4.71		7230	7576
4.747		5343	5422
4.844		1453	837
4.896		11154	7749
4.92		19289	14787
4.968		6777	7078
5.005		2634	1603
5.039		8203	7225
5.066		7449	4900
5.089		18991	14987
5.162		32520	26653
5.303		10462	8774
5.348		16150	22602
5.503		39234	34822
5.571		48615	42440
5.62		10020	8248
5.65		2232	1978
5.726		9394	10925
5.811		1539	2701
5.925		35950	31266
5.958		1644	1240
6.085	DCB	3804728	3378969
6.241		1693	3026
6.422		1878	4389
6.538		3822	3156
6.698		1267	2051
6.759		924	1402
6.883		1652	3827

AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082

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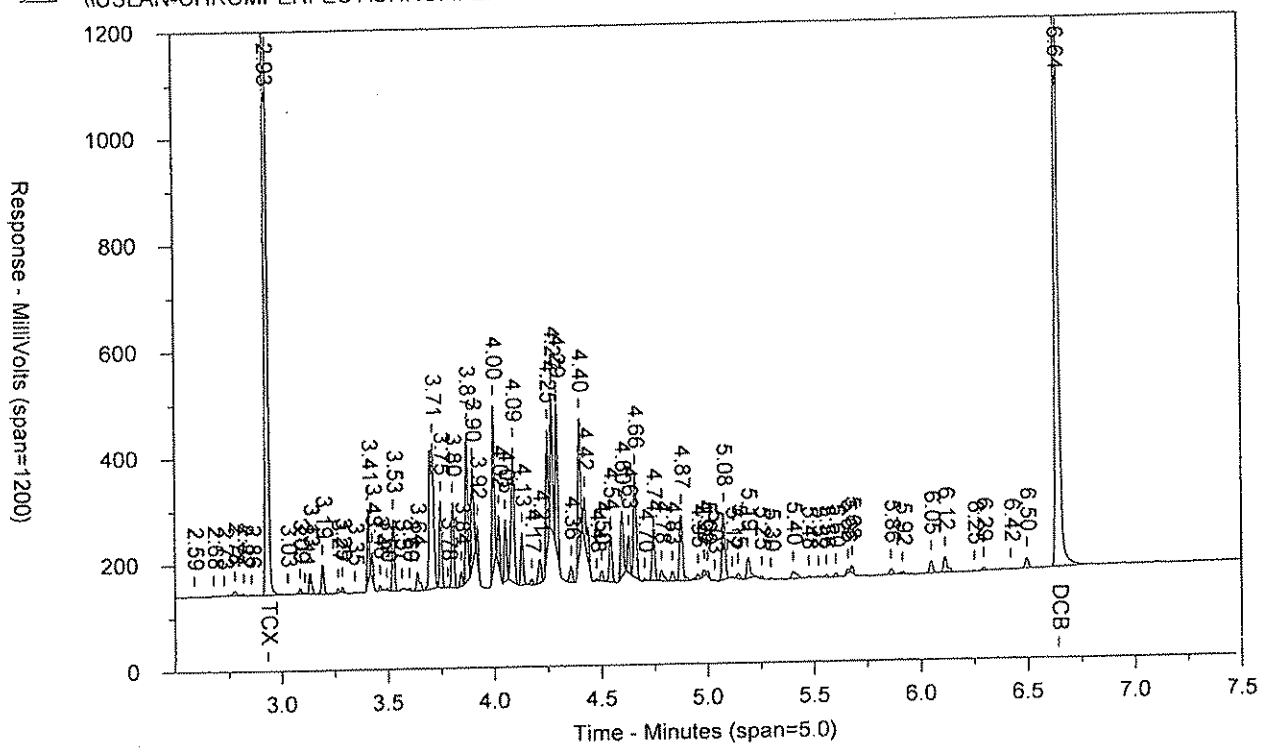

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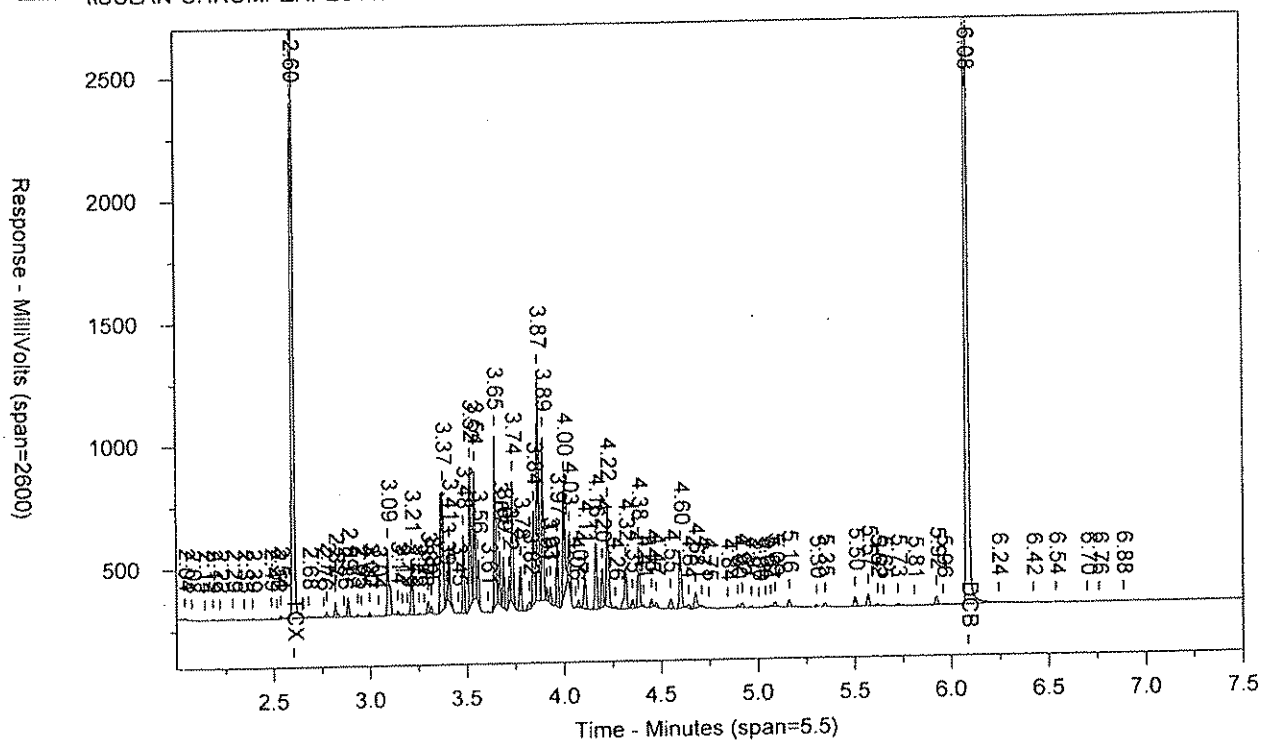

LANCASTER LABORATORIES

Sample Number: AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:09:47 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: 4
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
2.932	2720575	20.108	TCX	2.602	5016663	20.425	TCX
6.643	1318232	19.721	DCB	6.085	3804728	20	DCB

Files:
Area File: 25pcbs16207001.0013.RAW
Area File: 25pcbs16207001B.0013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:18:17 PM
File Reported On: 7/25/2016 at 9:48:32 PM

AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082

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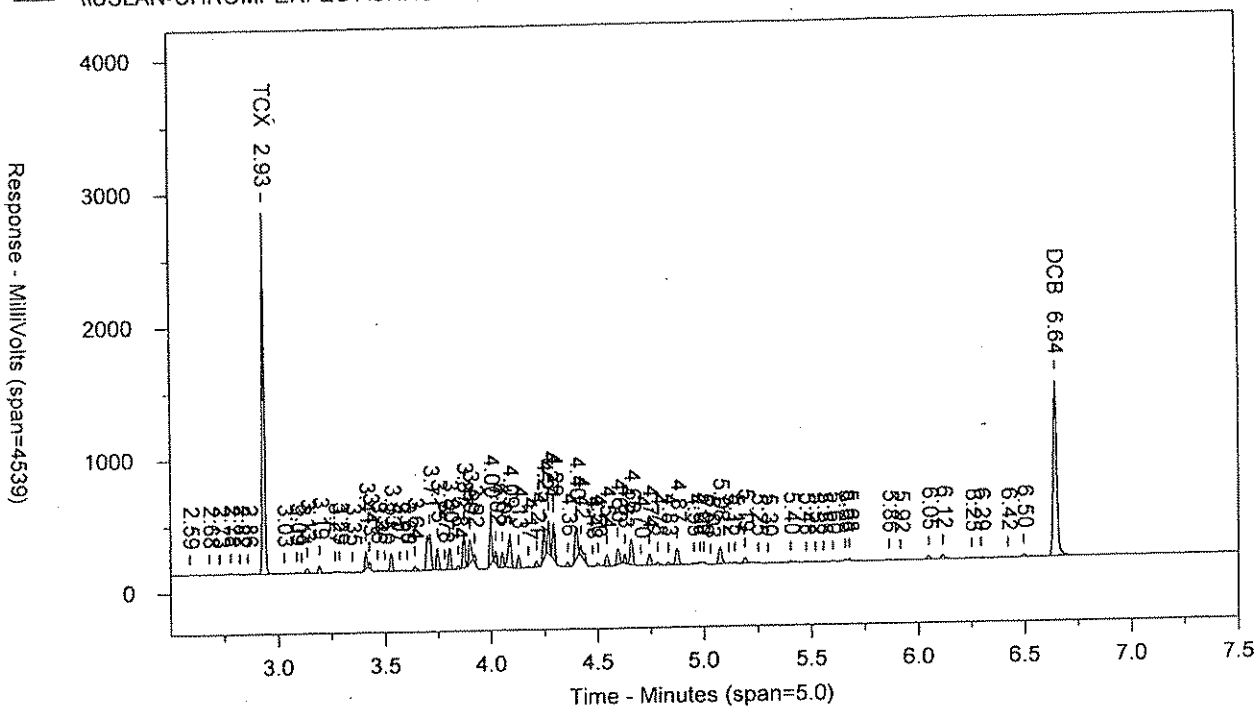

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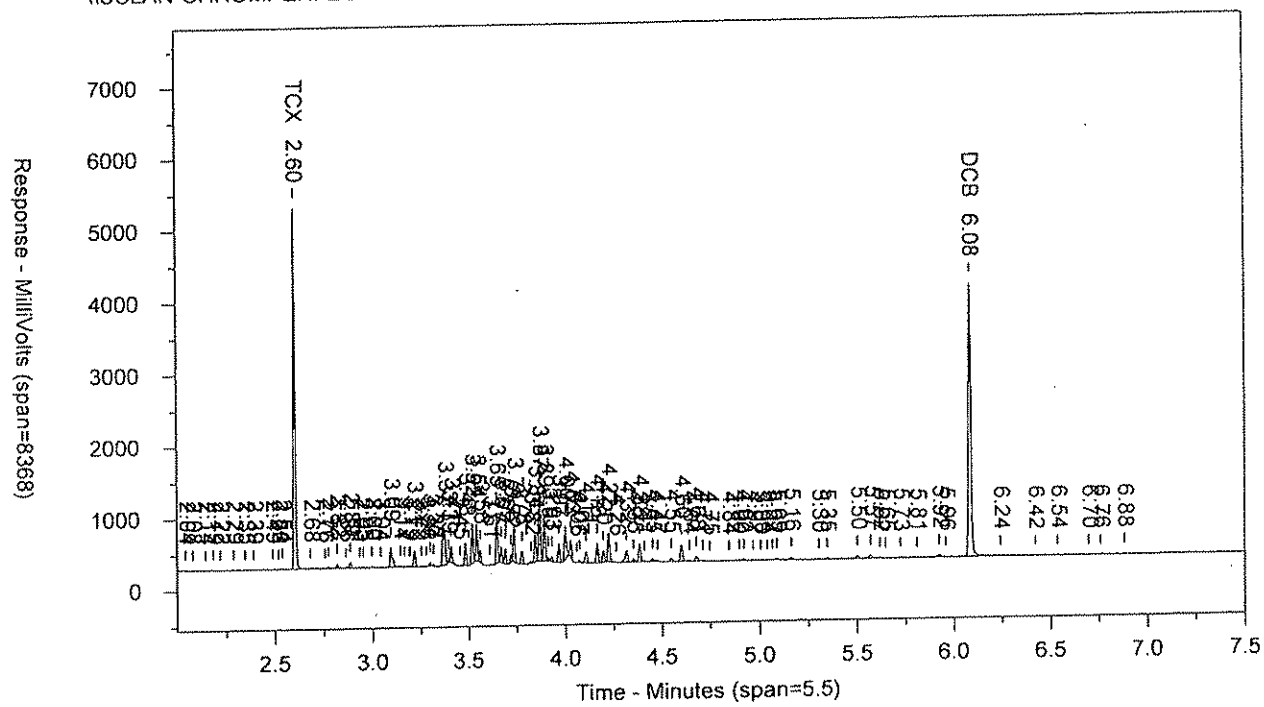

LANCASTER LABORATORIES

Sample Number: AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:21:28 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: 25pcbs16207001.0014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.091		8813	14589
2.222		28520	22269
2.314		12339	7527
2.334		9937	6006
2.379		1436	1332
2.417		4648	4575
2.495		1065	874
2.572		3267	3073
2.671		1727	1822
2.73		771	493
2.78		15027	14150
2.82		3940	3092
2.932	TCX	5636091	3725440
3.087		18953	17276
3.134		79207	64029
3.193		98622	71458
3.266		13057	8033
3.287		19837	12790
3.41		240606	150309
3.427		83790	43765
3.465		20937	12375
3.481		3908	1655
3.497		6020	3487
3.528		239526	186567
3.584		6342	5094
3.604		9379	5981
3.64		64851	65130
3.712		512058	725360
3.748		296928	231343
3.807		299477	244777
3.846		58837	40771
3.873		496693	371740
3.901		323179	268450
3.923		107032	63799
4		566918	415196
4.025		163724	111487
4.055		210485	157349
4.09		464253	458590
4.131		173249	145000
4.176		22879	21968
4.217		65449	61134
4.251		409000	290874
4.271		487249	315394
4.295		528563	387641
4.362		58822	56073
4.402		490439	418522
4.424		148530	172666
4.481		8437	5206
4.504		41566	34289
4.546		159626	144564
4.599		221372	201881
4.63		134832	101602
4.66		362258	327781
4.706		9545	9650

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RT A	Compound A	Height A	Area A
4.746		150936	135055
4.783		37893	44247
4.835		35611	32043
4.876		220295	232259
4.931		3363	2063
4.957		18741	16268
4.983		20977	14960
5.001		18331	12233
5.034		4066	3265
5.078		227991	237725
5.119		5716	4177
5.147		17843	19501
5.193		84288	106900
5.254		9662	7754
5.299		6901	9131
5.404		27902	49363
5.478		6148	5511
5.522		7520	9531
5.558		8131	6811
5.603		12847	12328
5.629		1744	1029
5.659		15717	11754
5.679		25974	19888
5.834		3539	4324
5.864		16300	16816
5.919		8637	14185
6.051		45305	47127
6.116		60889	81893
6.297		10313	11129
6.385		4328	6226
6.425		855	639
6.472		672	649
6.5		40143	42912
6.599		732	905
6.646	DCB	2621793	2959571
6.887		2229	3215

LANCASTER LABORATORIES

Sample Number: AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:21:28 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.043		15338	12179
2.146		2008	2640
2.184		2405	2272
2.223		2623	2885
2.264		2310	1357
2.289		2709	1824
2.345		1762	1731
2.447		1260	1238
2.484		1448	1163
2.52		3439	1970
2.536		34683	27810
2.601	TCX	10249300	5978160
2.691		3000	2783
2.773		34280	23892
2.818		112262	58323
2.834		19390	8751
2.885		154829	93382
2.934		21197	11965
2.996		32543	19871
3.093		516693	442102
3.144		36809	20208
3.166		11384	6668
3.192		13015	6935
3.215		423397	269440
3.252		15312	8697
3.279		9887	4623
3.299		104013	92878
3.375		938745	1030036
3.395		85511	35827
3.409		407196	245399
3.484		618047	375930
3.519		1070339	646591
3.543		958080	540429
3.561		335169	169036
3.647		1234787	768242
3.67		427739	221318
3.691		404882	236446
3.721		210892	106151
3.737		956583	543979
3.778		357112	234616
3.825		65889	53674
3.846		740995	430559
3.868		1791405	1094668
3.893		1240298	802878
3.931		111424	66159
3.967		506608	339204
4.001		912164	658864
4.029		443535	242832
4.075		62768	48743
4.11		295347	218401
4.167		518546	371005
4.199		279065	198459
4.226		806015	561793
4.264		15577	14162

RT B	Compound B	Height B	Area B
4.318		329195	285993
4.354		73876	51598
4.385		498886	348968
4.409		14579	7582
4.452		60352	39252
4.477		48748	37269
4.55		79877	77708
4.601		472833	357606
4.643		25977	29361
4.679		132084	108373
4.712		13432	15196
4.749		5729	2887
4.77		10764	11570
4.847		3103	1493
4.865		3659	2100
4.899		22598	15226
4.922		44268	30721
4.971		12143	12180
5.006		4632	2951
5.041		13740	11029
5.068		20781	15851
5.09		33329	22795
5.164		61407	56823
5.282		1133	850
5.305		19833	16487
5.351		30773	59757
5.504		76566	63049
5.572		88096	77252
5.62		18446	14063
5.649		14454	18237
5.726		17116	14674
5.879		1991	1844
5.925		77190	72224
5.958		2418	1589
6.086	DCB	7814678	6750363
6.174		11005	12696
6.421		8727	12666
6.541		6732	5661
6.572		1702	1522
6.656		5790	6762
6.782		3824	3700
6.888		6152	8781

AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082

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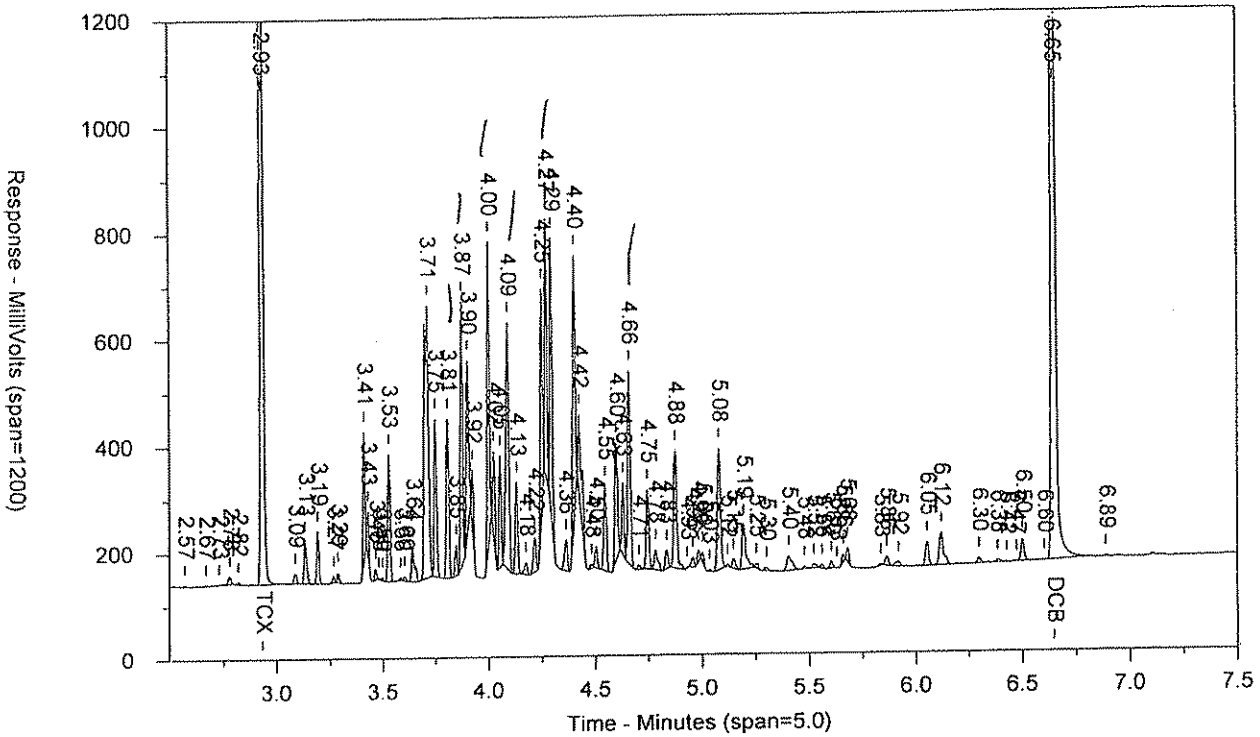

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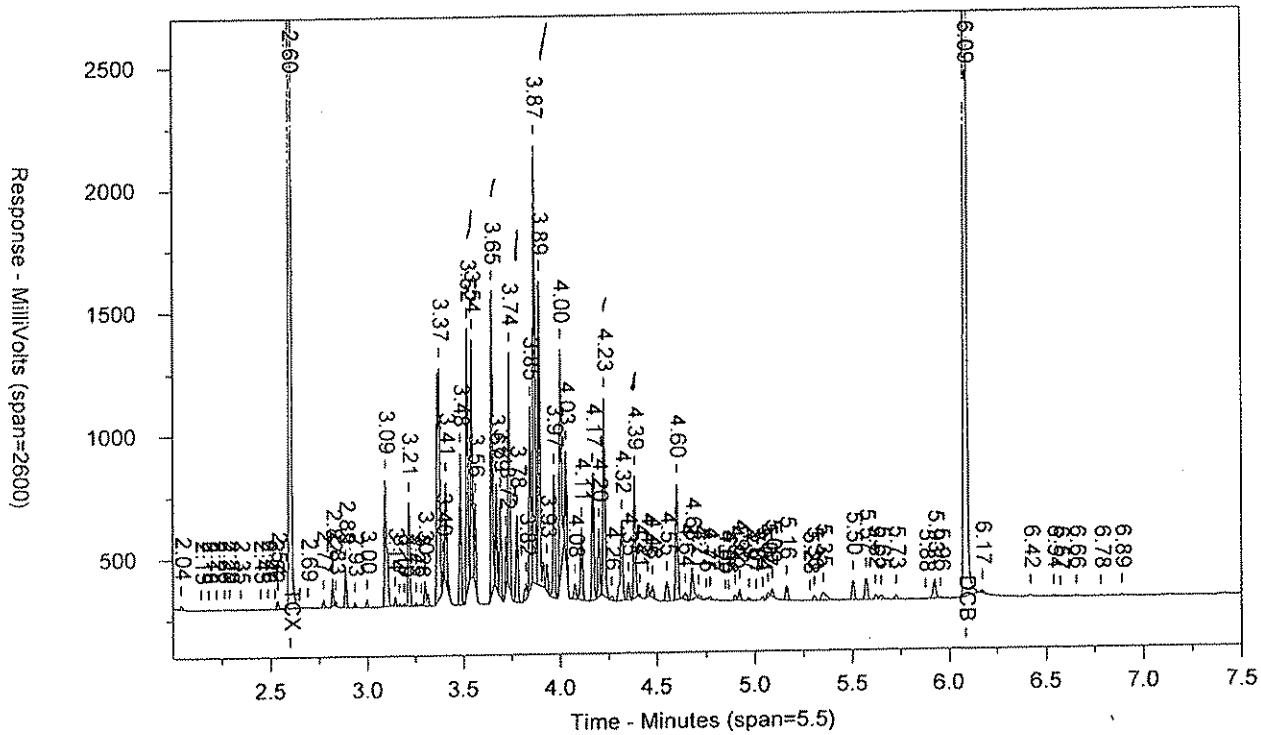

LANCASTER LABORATORIES

Sample Number: AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:21:28 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: 4
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
2.932	5636091	41.658	TCX	2.601	10249300	41.73	TCX
6.646	2621793	39.223	DCB	6.086	7814678	41.078	DCB

Files:
Area File: 25pcbs16207001.0014.RAW
Area File: 25pcbs16207001B.0014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:29:58 PM
File Reported On: 7/25/2016 at 9:48:44 PM

AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082

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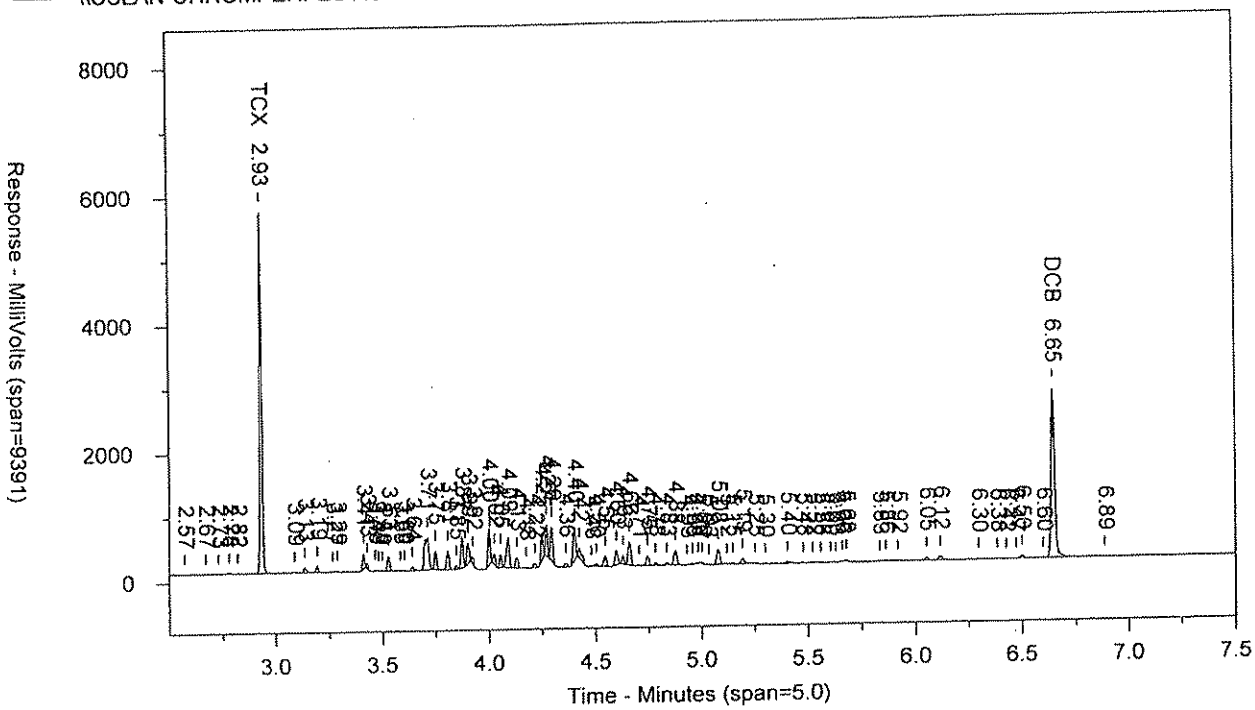

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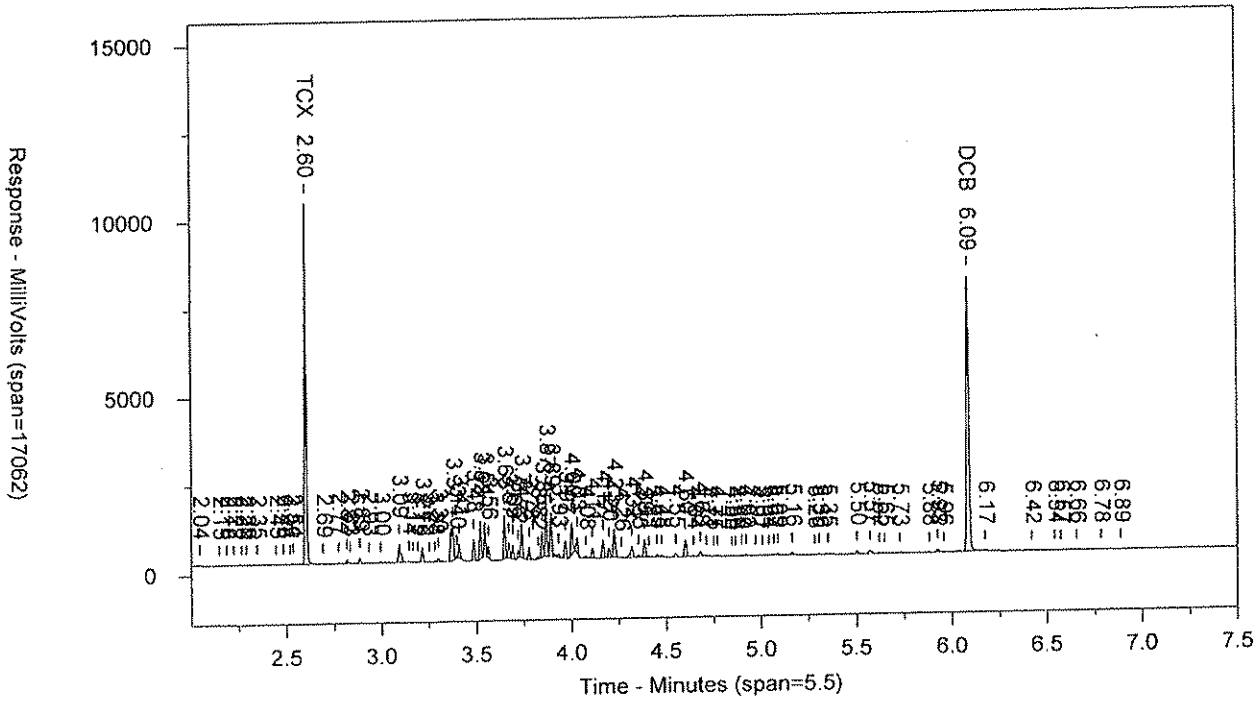

LANCASTER LABORATORIES

Sample Number: AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:33:09 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: 25pcbs16207001.0015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.037		1806	3535
2.092		8123	13841
2.152		1321	2341
2.222		41052	31036
2.315		15365	9530
2.334		14613	9044
2.378		1435	1489
2.419		4660	4826
2.495		1317	1726
2.572		5007	5253
2.673		1267	1519
2.779		7187	7714
2.819		3763	3014
2.853		1457	1674
2.932	TCX	8234310	5442636
3.034		1313	857
3.086		42762	37885
3.134		115037	101474
3.193		208376	151801
3.267		18886	10857
3.287		43380	29077
3.375		903	1368
3.41		607929	641637
3.465		51562	40001
3.498		14869	8097
3.529		529041	397521
3.564		2276	1223
3.584		8160	4810
3.604		22844	14850
3.641		139245	148139
3.712		1182863	1642924
3.749		652718	506554
3.807		675094	540682
3.846		114262	80635
3.873		1117911	817694
3.901		728539	600063
3.924		262287	145297
4		1299835	940781
4.024		369715	239944
4.054		456567	335254
4.09		1057975	1018129
4.131		375138	306082
4.176		47310	39203
4.217		123703	116006
4.251		896729	640575
4.271		1170750	734244
4.295		1211927	893805
4.362		129606	124931
4.401		1100976	950259
4.424		367733	389875
4.48		20927	14047
4.503		78325	60755
4.546		327892	307756
4.598		482057	432870

RT A	Compound A	Height A	Area A
4.63		269134	208206
4.66		805060	710783
4.705		21299	20749
4.746		315460	289035
4.783		80506	100433
4.835		84139	78361
4.876		501554	513333
4.932		7207	4508
4.957		44500	39992
4.984		51140	36113
5.002		38853	26508
5.033		8772	7237
5.077		516812	519176
5.119		15237	10804
5.147		31370	34484
5.193		156575	196681
5.254		21637	16369
5.298		13769	13812
5.403		66560	110801
5.478		13229	12349
5.518		6083	5438
5.558		15214	14307
5.602		29768	26617
5.628		3823	2437
5.659		39932	31664
5.679		32065	22898
5.863		42458	47020
5.917		17614	30011
6.05		62081	64535
6.116		74573	101117
6.296		22780	25248
6.345		1824	1972
6.426		2138	2148
6.467		792	694
6.498		59082	64671
6.603		880	1178
6.646	DCB	3792054	4215166

LANCASTER LABORATORIES

Sample Number: AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:33:09 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: 25pcbs16207001B.0015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		22009	17074
2.149		2172	3384
2.186		2162	1707
2.224		2752	2750
2.264		1378	1335
2.288		5955	3999
2.35		1804	1709
2.49		2147	1739
2.519		2679	1809
2.536		13775	8165
2.602	TCX	14885920	8811084
2.774		75806	50964
2.819		161223	81923
2.834		47434	22010
2.886		355145	213692
2.935		31065	18662
2.997		75628	45920
3.093		1176043	1003895
3.145		86936	50606
3.166		26639	15140
3.192		29578	15736
3.216		978839	618826
3.253		36022	20806
3.28		13793	6508
3.299		248531	222157
3.341		1689	714
3.366		1086911	511014
3.376		1135435	422563
3.395		194300	82705
3.409		1002997	570309
3.484		1453850	888158
3.52		2491853	1512241
3.543		2375376	1278900
3.561		778162	394426
3.648		3126730	1919896
3.671		959360	513297
3.691		961258	563982
3.721		485906	246515
3.738		2271459	1300687
3.778		812537	544205
3.825		155420	126398
3.846		1753677	1030993
3.868		4366342	2695491
3.893		3155112	2010546
3.932		238135	133443
3.968		1213569	795619
4.001		2230537	1579397
4.029		1167241	630324
4.059		6426	2726
4.076		153844	98833
4.11		691449	506435
4.166		1266413	897837
4.199		691711	470849
4.226		1995121	1353737

RT B	Compound B	Height B	Area B
4.264		36960	33773
4.318		750943	669538
4.353		179219	123740
4.385		1204783	833963
4.409		33688	18559
4.452		156366	96117
4.476		91031	59286
4.55		190403	183798
4.601		1144479	877759
4.642		58283	58495
4.68		289003	251894
4.711		31677	34745
4.749		21890	14867
4.821		2370	1457
4.846		6516	3878
4.864		8818	5777
4.898		48631	33848
4.921		92503	69457
4.971		26263	26068
5.006		9726	6851
5.04		22343	18614
5.068		33537	22610
5.09		91523	73529
5.163		84066	77261
5.281		1290	815
5.304		41153	34349
5.349		72962	78175
5.504		100222	87962
5.572		130150	107811
5.62		34998	27305
5.727		37743	32560
5.756		1873	1179
5.812		2331	3169
5.879		2295	2308
5.926		104767	85216
5.96		3589	2351
6.05		1360	1576
6.086	DCB	11151750	9907866
6.423		2092	2681
6.54		9467	8623
6.846		756	748

AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082

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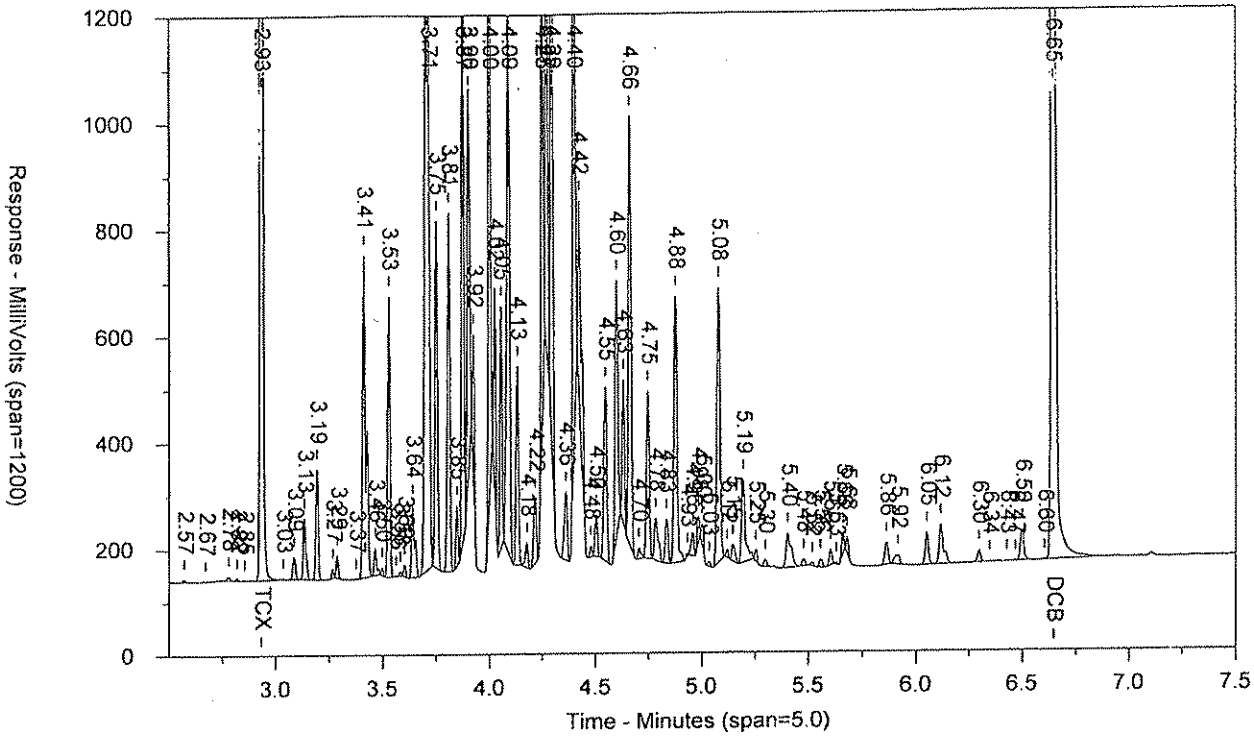

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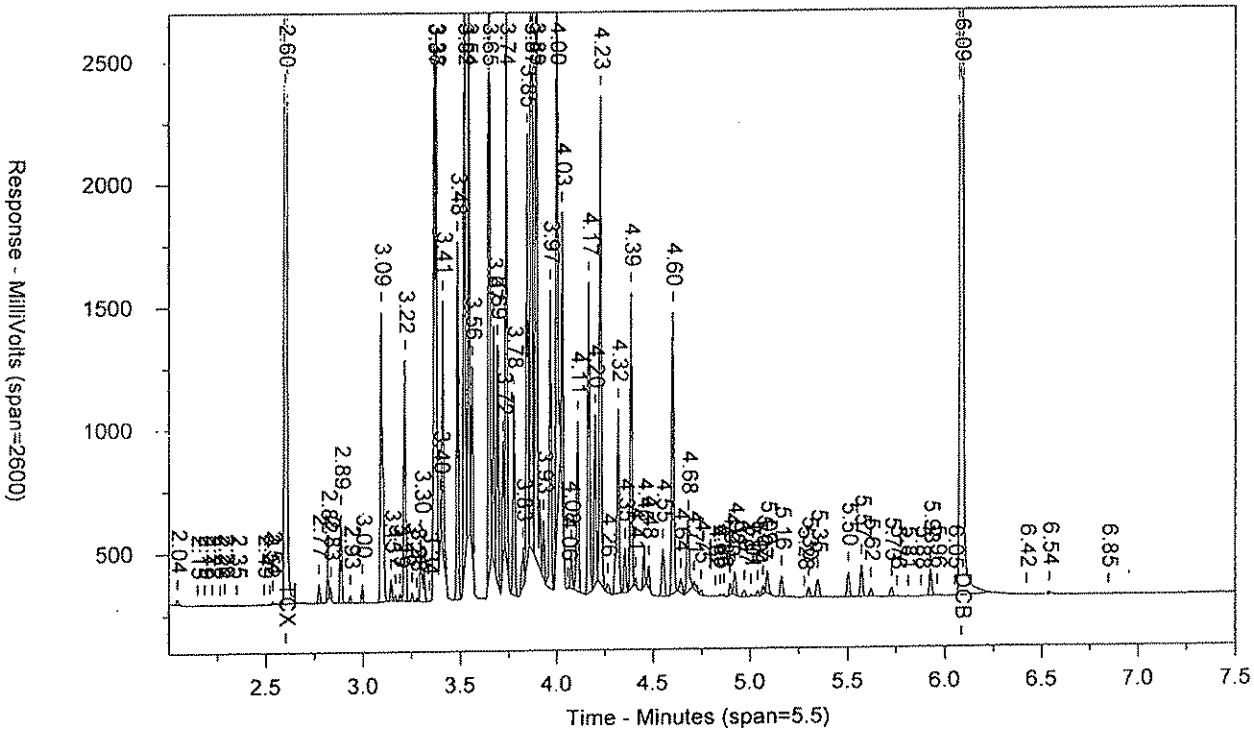

LANCASTER LABORATORIES

Sample Number: AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:33:09 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: 4
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
2.932	8234310	60.862	TCX	2.602	14885920	60.607	TCX
6.646	3792054	56.731	DCB	6.086	11151750	58.62	DCB

Files:
Area File: 25pcbs16207001.0015.RAW
Area File: 25pcbs16207001B.0015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:41:40 PM
File Reported On: 7/25/2016 at 9:48:54 PM

AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082

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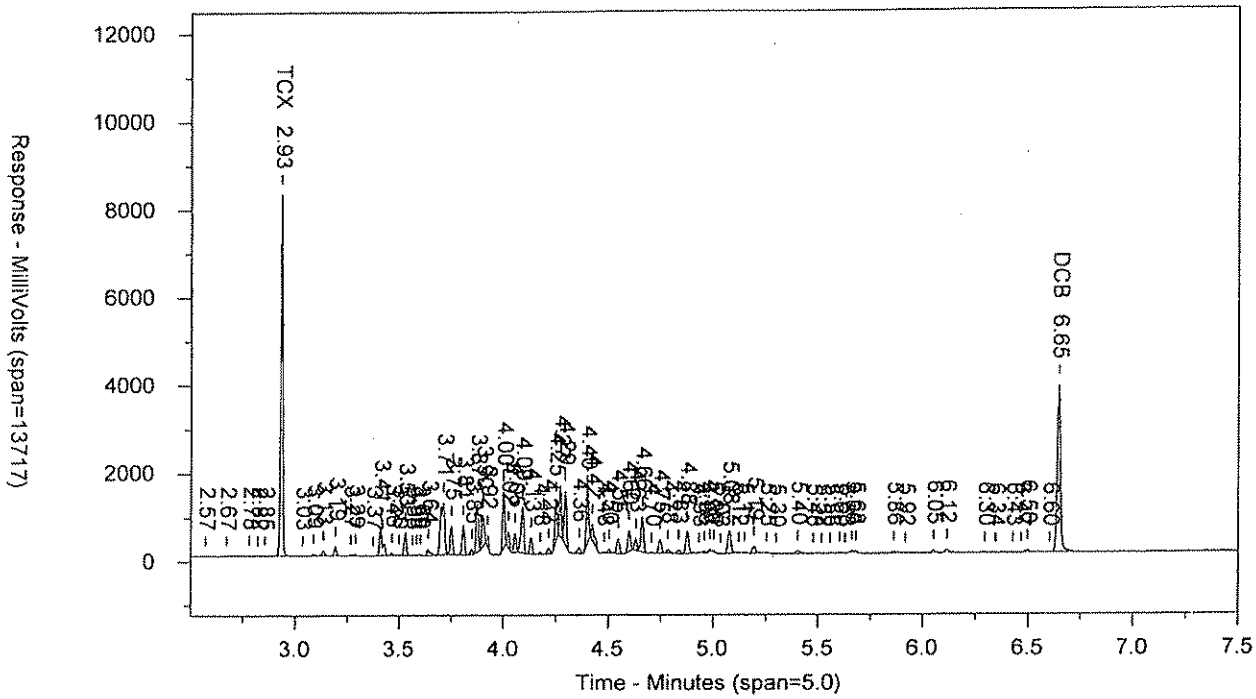

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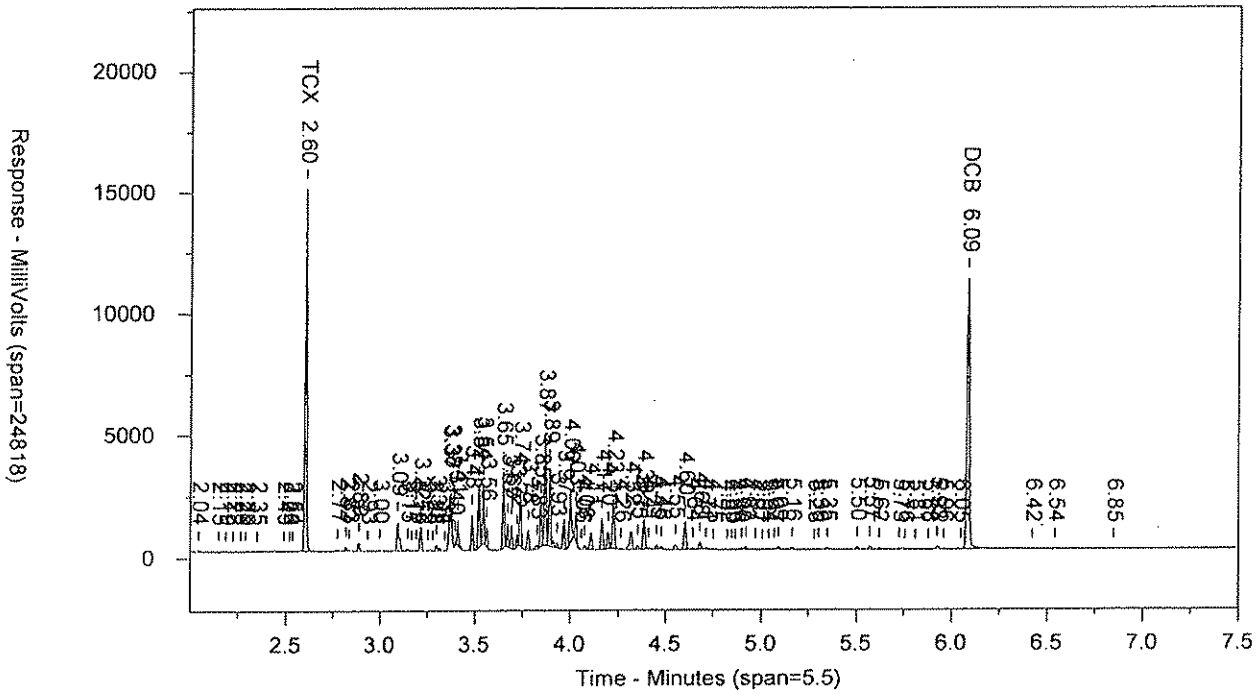

LANCASTER LABORATORIES

Sample Number: AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:44:41 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207001.0016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.014		765	472
2.091		7969	13884
2.222		54698	41456
2.314		23137	14328
2.333		18622	11685
2.379		1402	1476
2.417		7732	7905
2.522		1422	2011
2.572		8960	7064
2.67		1954	1900
2.725		701	863
2.779		10670	10793
2.82		6069	4741
2.851		2540	2683
2.931	TCX	10955010	7350216
3.034		1835	1090
3.086		85574	72047
3.134		150853	150348
3.192		392632	275310
3.265		24392	14230
3.287		87263	57088
3.327		1473	1032
3.409		1005496	614772
3.426		318755	168444
3.464		97512	75743
3.497		26947	15138
3.527		988980	736762
3.563		4315	2280
3.582		12803	7540
3.602		43229	28460
3.639		250998	274659
3.71		2360377	3186023
3.747		1220903	956411
3.805		1260462	1027686
3.844		204425	144596
3.872		2146085	1566033
3.899		1431422	1145236
3.922		484212	262915
3.998		2512474	1831525
4.022		697334	450272
4.053		864121	618629
4.088		2042047	1948000
4.129		683740	557611
4.175		90056	73213
4.215		202615	196172
4.249		1941089	1282098
4.269		2318311	1477339
4.293		2487542	1772427
4.36		222280	220677
4.4		2334635	1870532
4.422		788470	767012
4.479		37761	25484
4.502		129863	103238
4.545		599077	548518

RT A	Compound A	Height A	Area A
4.597		921655	810582
4.629		500267	381257
4.658		1512655	1329745
4.704		39622	40937
4.744		575763	518416
4.781		143109	178208
4.832		152171	142030
4.874		911114	932097
4.929		12272	8674
4.954		79307	71184
4.982		81753	58920
4.999		66909	47795
5.032		16699	13677
5.075		983174	957928
5.117		27139	20458
5.145		49141	56655
5.191		284897	354029
5.253		42413	34228
5.296		27277	31501
5.401		114545	195905
5.476		24708	22487
5.515		10665	9380
5.556		20880	19215
5.6		57341	51216
5.626		7314	4760
5.657		78203	64178
5.677		36916	25473
5.862		77779	86251
5.916		37115	56941
6.049		80939	85253
6.114		96349	141900
6.295		44738	45904
6.34		1667	1640
6.423		2218	2143
6.463		1164	905
6.496		79846	89312
6.597		1231	1080
6.643	DCB	5208436	5588152

LANCASTER LABORATORIES

Sample Number: AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:44:41 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		29482	23242
2.148		2615	3639
2.184		3703	3595
2.225		2814	3874
2.263		2833	2548
2.288		10618	8196
2.347		2147	2791
2.398		1347	745
2.464		761	1577
2.485		2375	1716
2.521		3214	2028
2.536		19907	12641
2.56		3122	1777
2.601	TCX	20695700	11865350
2.645		33401	19910
2.773		148609	98017
2.818		205845	105833
2.834		94714	45175
2.886		678175	407522
2.934		41715	24794
2.997		143713	88556
3.058		1299	533
3.093		2229308	1914646
3.144		171871	100493
3.166		51979	29592
3.192		59797	31509
3.215		1827182	1197451
3.252		71363	41191
3.279		21828	10339
3.299		425822	222231
3.314		179478	85831
3.34		2593	1194
3.375		4621864	4946973
3.395		337176	133222
3.408		1921678	1141154
3.483		2938360	1747986
3.519		5009641	2971485
3.542		4657149	2522668
3.56		1515682	755567
3.646		6057200	3686051
3.669		1881200	984989
3.69		1864905	1082143
3.719		954847	488440
3.736		4504551	2592024
3.777		1557023	1051340
3.824		297403	242066
3.844		3503000	2053828
3.867		8939467	5329388
3.891		6131771	3620592
3.911		456926	221867
3.931		430951	241654
3.965		2393305	1541683
3.999		4435846	3145365
4.027		2485017	1298856

RT B	Compound B	Height B	Area B
4.057		11196	4610
4.074		287769	189096
4.108		1369315	970511
4.165		2491806	1756113
4.197		1282736	872619
4.225		3953554	2653571
4.263		69808	64157
4.317		1456020	1289393
4.351		346948	237956
4.384		2349313	1632645
4.407		74720	39001
4.45		284778	177998
4.474		165154	115185
4.548		347062	347971
4.599		2391061	1755423
4.64		104158	102389
4.678		570373	485350
4.71		56994	65605
4.747		42866	28713
4.806		2510	1350
4.821		4871	2812
4.846		12723	7338
4.863		18539	11397
4.896		92079	65048
4.92		187468	136168
4.97		47499	46184
5.005		19000	13431
5.038		32653	27265
5.066		66812	45180
5.089		175913	144721
5.161		121693	105303
5.279		3907	2214
5.303		79645	64152
5.348		145924	154795
5.502		144440	119659
5.57		168664	145717
5.619		54444	43767
5.65		2662	2393
5.725		72284	60187
5.754		3055	2253
5.88		3428	3636
5.925		148876	124606
5.956		3968	2561
5.978		3035	2207
6.047		1295	1186
6.084	DCB	14896010	13376340
6.421		2377	3632
6.492		1580	2560
6.538		13017	16530
6.71		1753	1571
6.858		791	1720

AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082

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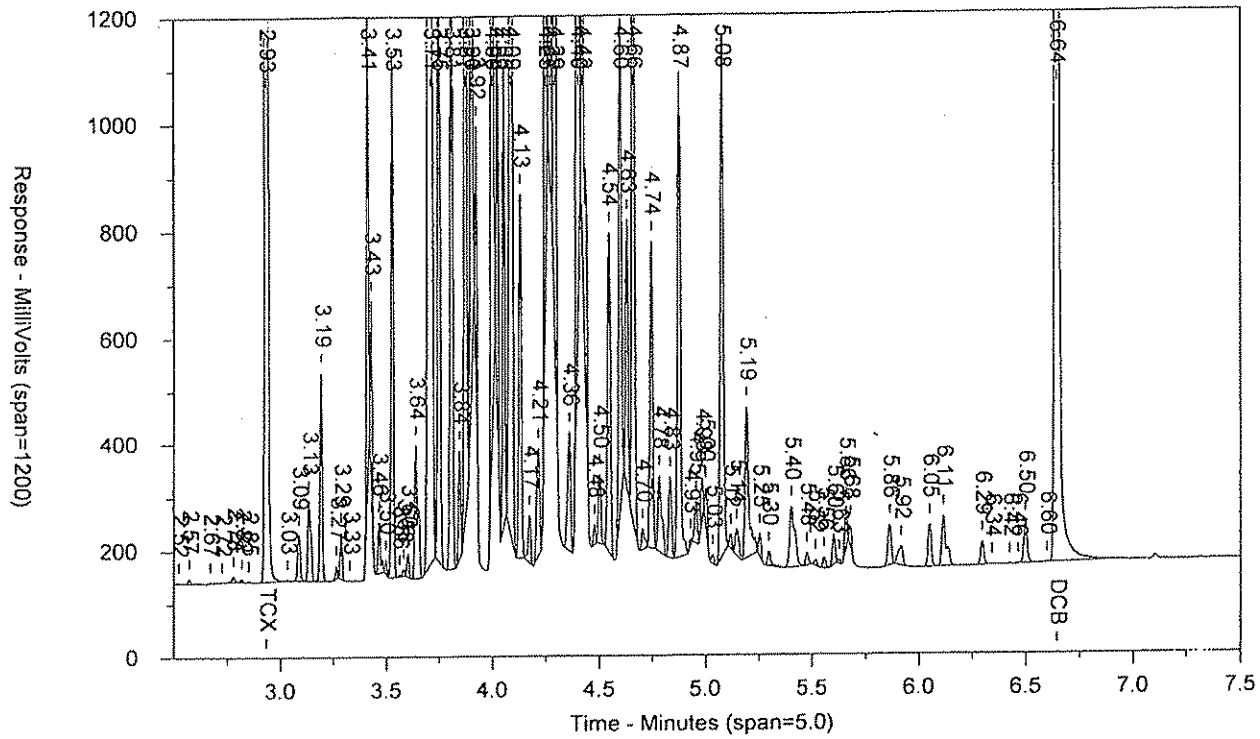

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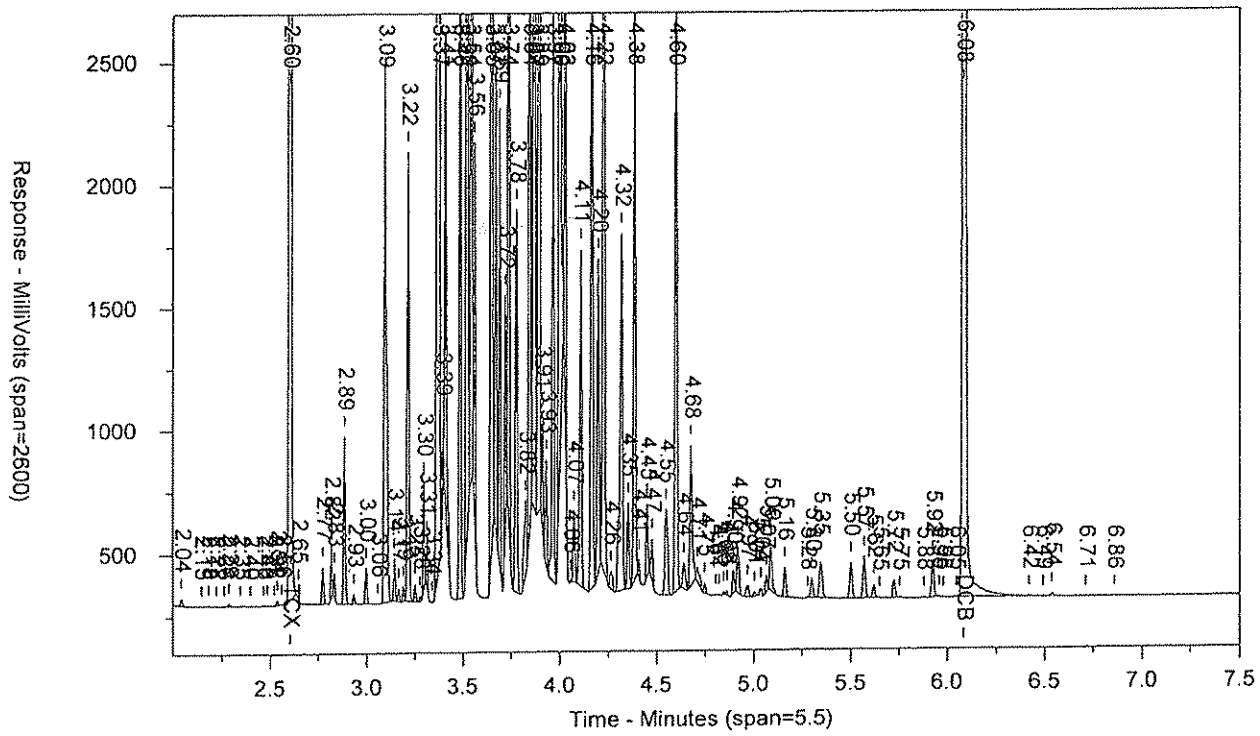

LANCASTER LABORATORIES

Sample Number: AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:44:41 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: 4
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
2.931	10955010	80.971	TCX	2.601	20695700	84.262	TCX
6.643	5208436	77.921	DCB	6.084	14896010	78.302	DCB

Files:
Area File: 25pcbs16207001.0016.RAW
Area File: 25pcbs16207001B.0016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:53:14 PM
File Reported On: 7/25/2016 at 9:49:06 PM

AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082

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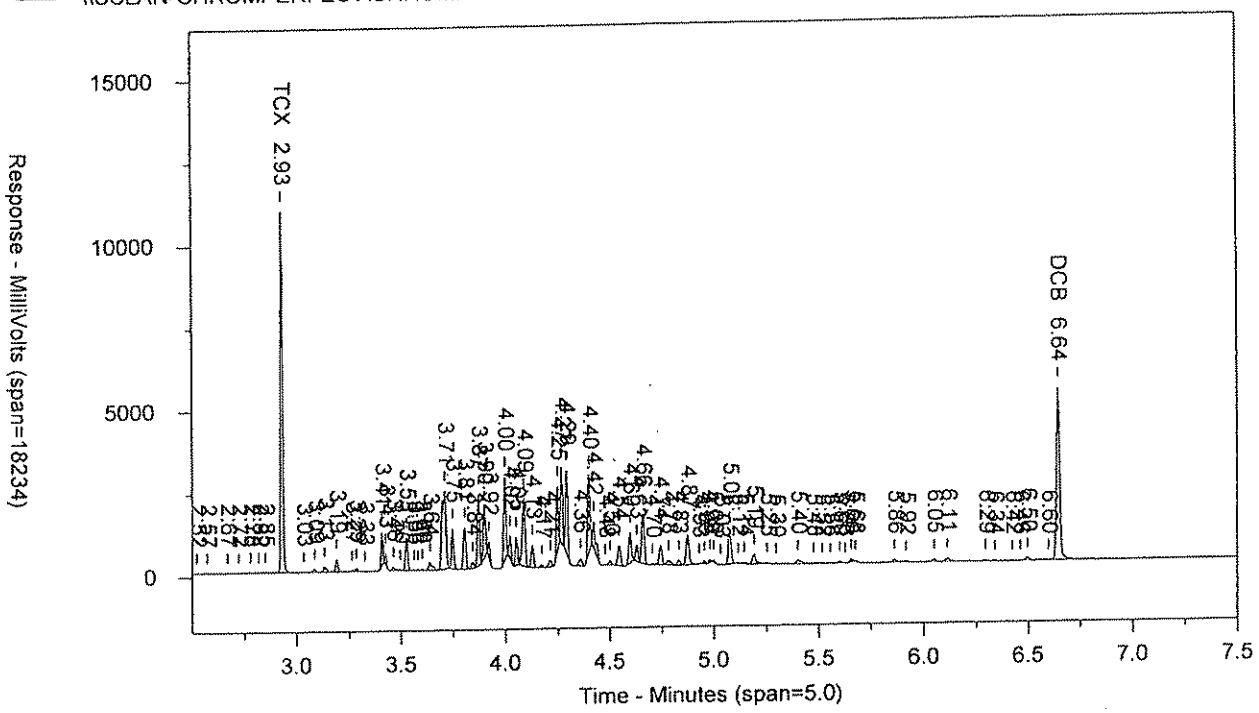

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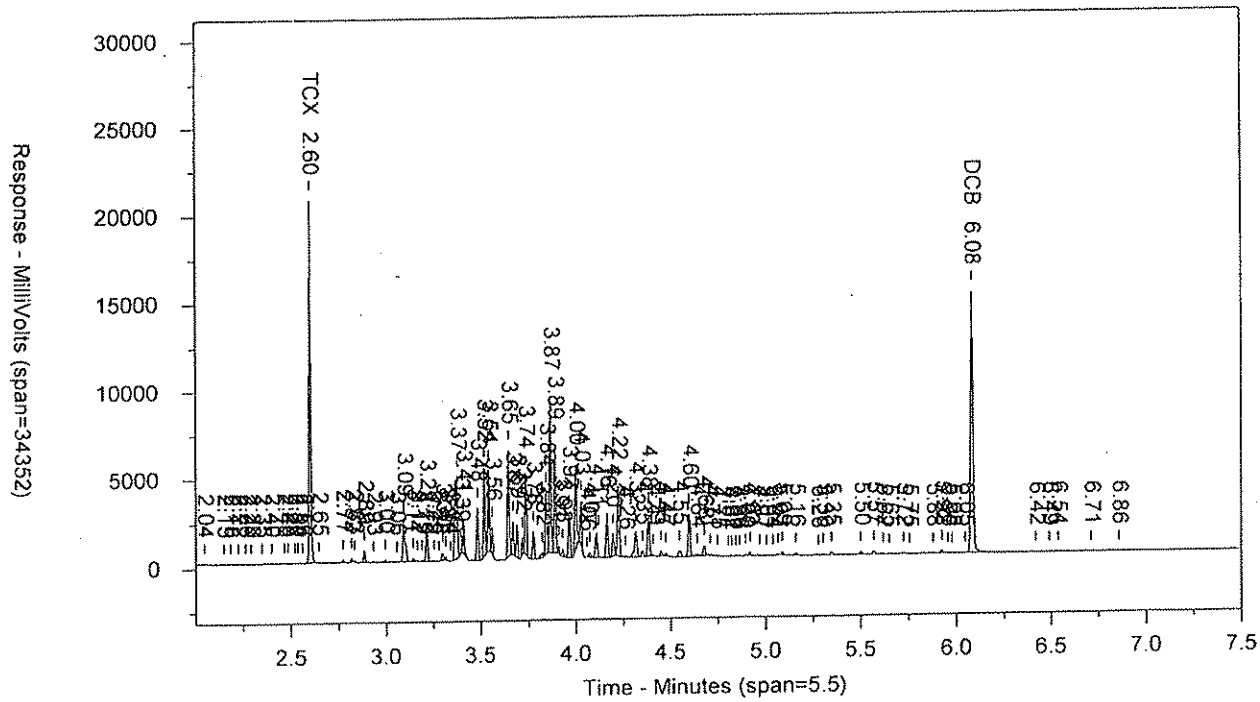

LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:56:22 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: 25pcbs16207001.0017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.041		1472	3214
2.092		8385	15060
2.143		2074	3382
2.222		2872	3164
2.315		24234	17709
2.378		1566	1405
2.418		5489	4865
2.498		913	899
2.576		1630	2672
2.673		1633	1701
2.78		14472	14714
2.82		4157	3194
2.932	TCX	573104	400343
3.066		1251	899
3.134		9200	6423
3.188		5416	6398
3.266		1317	929
3.288		1022	1255
3.41		4882	3100
3.429		2679	1658
3.482		1338	954
3.527		9594	8398
3.571		1499	2422
3.603		2470	1656
3.641		2247	2423
3.683		6135	3582
3.713		7532	9447
3.749		11796	8641
3.805		6155	4752
3.845		3426	2607
3.873		127429	95574
3.9		35725	33367
3.999		81704	62110
4.023		5581	3591
4.054		9647	7125
4.09		35621	32977
4.13		8470	7143
4.171		3837	5240
4.213		25265	23552
4.249		182371	132765
4.27		77306	47478
4.294		55904	41624
4.362		54456	47147
4.404		248900	260642
4.439		97621	80843
4.48		3268	2249
4.503		22563	18836
4.545		97448	87360
4.598		170596	157357
4.629		45420	29886
4.659		304692	280996
4.705		27087	35453
4.745		55410	44635
4.783		111720	115481

RT A	Compound A	Height A	Area A
4.834		19995	17539
4.874		196665	211691
4.93		23076	18735
4.957		3800	2133
4.983		77596	61124
5.001		45867	29996
5.076		161822	166477
5.119		18284	14737
5.145		20460	29100
5.193		235861	346829
5.296		10201	12303
5.403		87462	119384
5.477		11043	10628
5.517		11487	12507
5.556		1776	1245
5.603		45239	40236
5.627		4672	2848
5.657		36316	40073
5.835		2003	2122
5.866		31752	30582
5.897		4437	3643
6.048		5525	6392
6.116		10722	15636
6.294		2425	3052
6.386		1886	3285
6.498		4038	4326
6.644	DCB	344513	400203
6.888		1354	2582

LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:56:22 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: 25pcbs16207001B.0017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.149		2465	2173
2.185		2848	2690
2.225		2902	3593
2.262		1995	1423
2.349		2057	1968
2.486		2348	1672
2.521		3688	2521
2.536		30952	23325
2.602	TCX	982948	577491
2.692		2505	3497
2.775		1978	1455
2.819		11981	6605
2.886		4702	3492
2.933		2396	1645
3.093		9074	8949
3.174		4188	3037
3.215		7589	5137
3.253		4000	4610
3.298		2016	1055
3.317		18911	10738
3.364		16273	17474
3.409		15253	17496
3.442		2859	1656
3.484		10242	6944
3.519		239282	143641
3.542		73690	41800
3.561		7900	3437
3.647		146257	87171
3.67		11439	5703
3.691		14155	8875
3.72		9711	4770
3.737		54947	32479
3.777		14783	10835
3.816		10888	8648
3.845		49194	28462
3.867		550703	346924
3.892		59728	33101
3.912		42125	23272
3.931		114550	71949
3.966		473508	310724
3.998		193923	115408
4.015		117901	60279
4.075		36055	29174
4.109		183181	128150
4.166		375072	264936
4.198		111969	77543
4.225		642044	459449
4.263		48019	42627
4.316		316233	254044
4.353		43563	31259
4.384		404342	281350
4.408		67178	42774
4.451		260530	188185
4.476		18376	11642

RT B	Compound B	Height B	Area B
4.549		229585	220536
4.6		279837	212157
4.64		74293	60211
4.679		461894	432859
4.725		34138	19251
4.748		13335	7880
4.77		4793	3475
4.807		4464	4235
4.864		18880	12862
4.897		22744	14956
4.921		141332	107151
4.971		17593	15099
5.005		14702	10867
5.036		8686	6946
5.067		60164	43386
5.089		45094	35666
5.161		7622	11704
5.303		3434	2928
5.345		54893	71111
5.479		833	768
5.503		8007	6757
5.545		2000	1252
5.57		9847	8043
5.62		3021	2454
5.648		8464	10655
5.727		3852	4239
5.922		11605	13715
5.955		1100	1426
6.035		1483	1750
6.085	DCB	786595	707481
6.175		6394	7618
6.38		1142	1179
6.421		4260	8370
6.565		1973	2428
6.659		2457	2963
6.888		2961	5669

AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082

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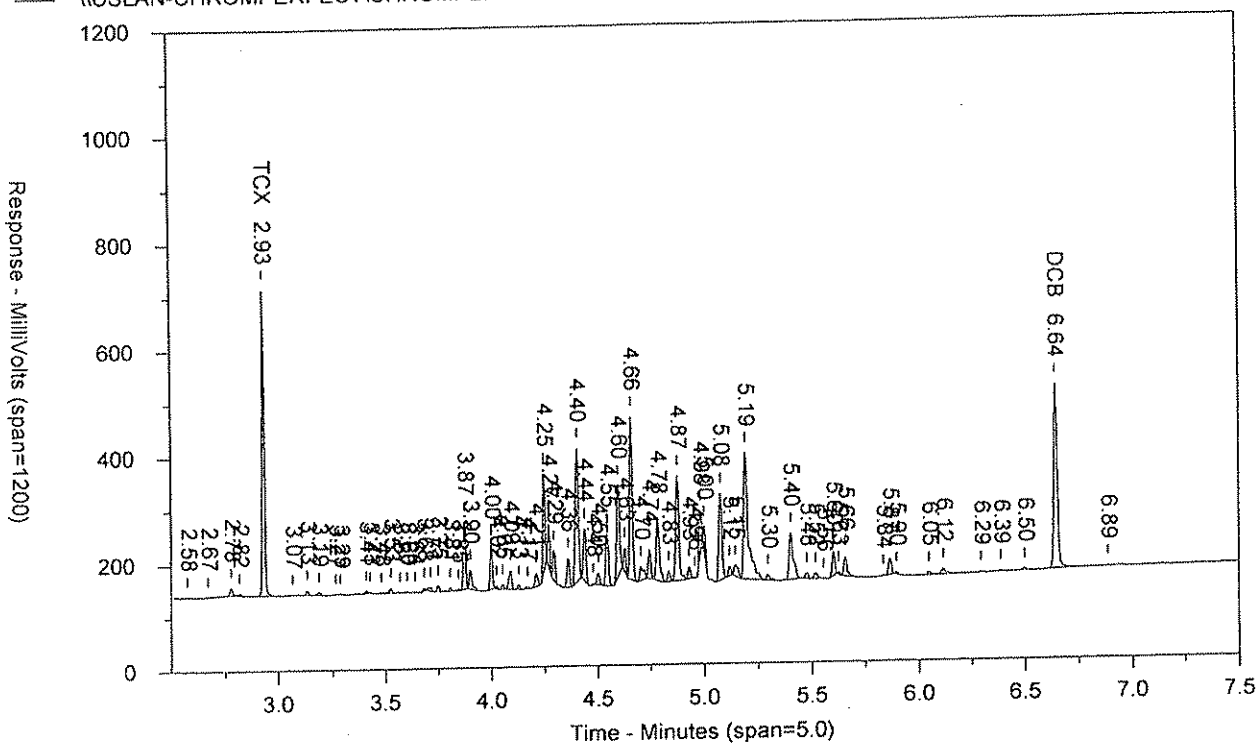

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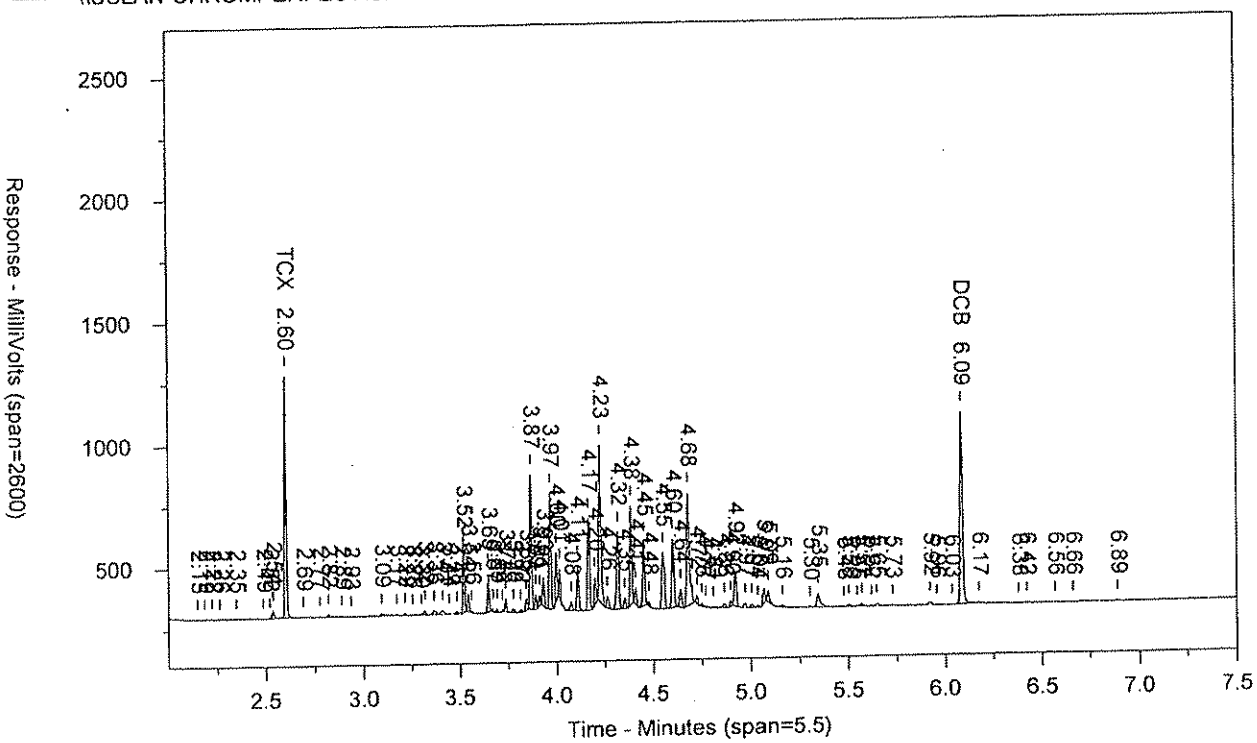

LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:56:22 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: 4
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
2.932	573104	4.236	TCX	2.602	982948	4.002	TCX
6.644	344513	5.154	DCB	6.085	786595	4.135	DCB

Files:
Area File: 25pcbs16207001.0017.RAW
Area File: 25pcbs16207001B.0017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:04:56 PM
File Reported On: 7/25/2016 at 9:49:18 PM

AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082

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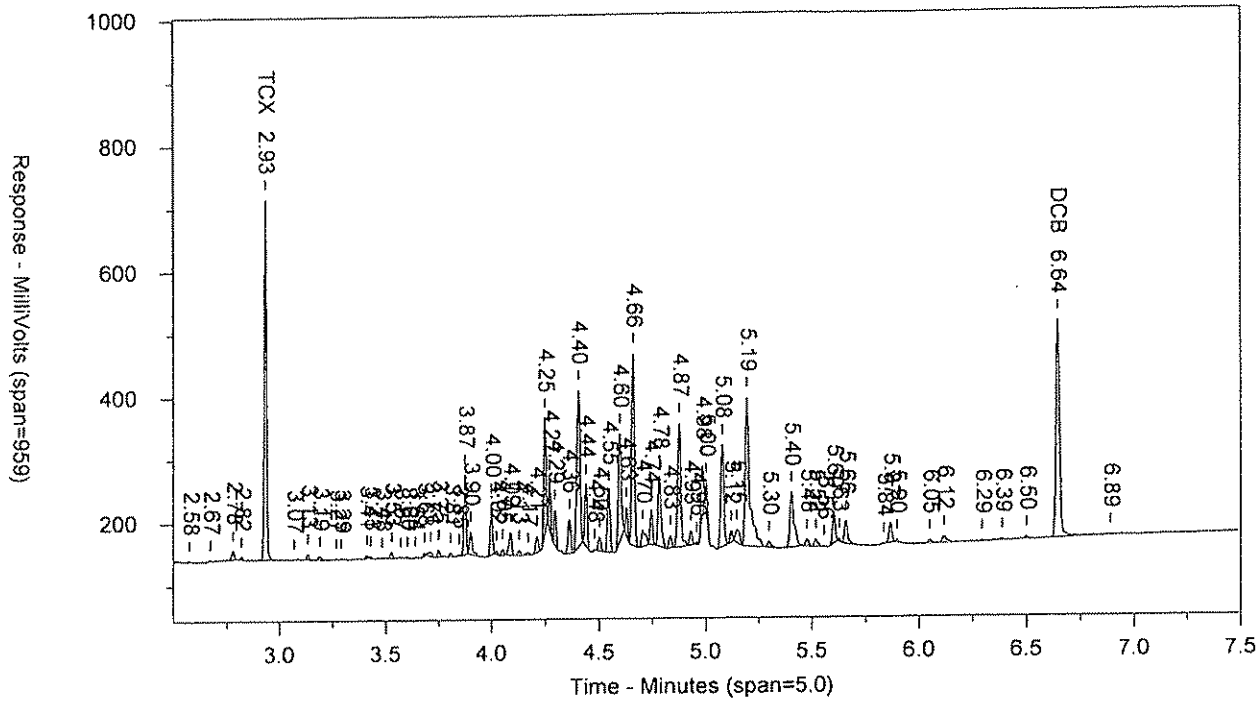

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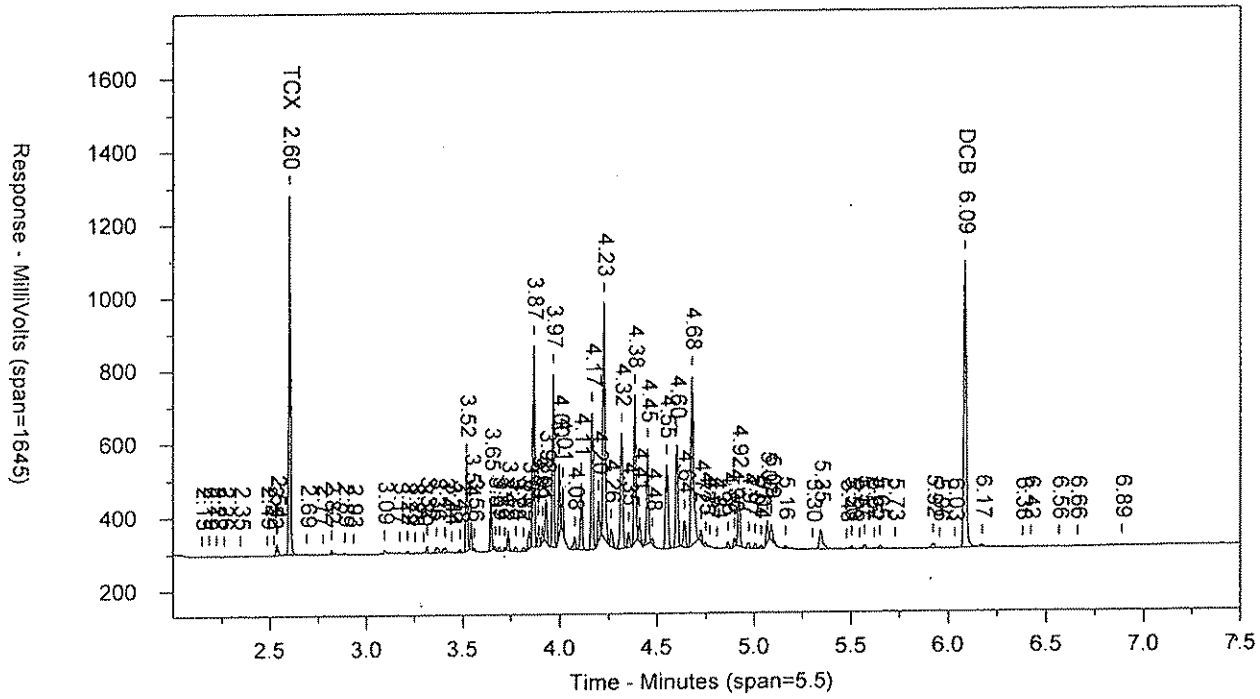

LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:08:03 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: 25pcbs16207001.0018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.043		1434	1634
2.091		9229	18668
2.149		3678	8449
2.222		5972	5139
2.314		96023	68838
2.378		1181	1186
2.418		5477	5139
2.575		3367	3300
2.668		1064	1158
2.779		15075	14234
2.819		4384	3856
2.931	TCX	1080243	747102
3.084		1110	1263
3.133		16834	12144
3.191		7327	7554
3.267		3476	6129
3.374		3064	2036
3.41		8482	5228
3.427		3576	2117
3.48		1796	1838
3.527		12508	9257
3.571		1657	2753
3.603		4252	2812
3.639		2997	1878
3.699		6602	3589
3.712		6238	4771
3.748		20132	15857
3.805		10263	8224
3.844		3744	2738
3.872		222657	171542
3.9		67409	60148
3.999		146691	114076
4.024		9970	6168
4.054		17553	12670
4.089		68558	61358
4.13		14432	11762
4.178		5483	7238
4.212		34506	31329
4.249		315624	238249
4.271		132785	83323
4.295		105390	77072
4.361		101430	88075
4.404		445702	471134
4.439		175251	147651
4.479		7095	4693
4.502		36921	29611
4.545		174247	160255
4.598		306767	284186
4.629		83227	55586
4.659		566643	515548
4.704		53250	68642
4.743		100083	83157
4.782		196445	208415
4.833		41898	36046

RT A	Compound A	Height A	Area A
4.874		375671	391757
4.93		46466	38033
4.956		6904	3812
4.983		137057	108237
5		80714	55737
5.075		300158	306978
5.118		41732	32076
5.146		41414	58391
5.192		415090	557836
5.251		9523	6481
5.296		18575	22539
5.402		157085	224062
5.477		20507	19687
5.517		18246	18538
5.556		4383	3772
5.601		83542	78243
5.626		9872	6242
5.658		72979	76627
5.866		64990	62812
5.896		9248	8960
6.05		9679	10743
6.115		15248	20336
6.296		4105	4511
6.361		903	1083
6.497		7671	9250
6.643	DCB	583303	696193
6.947		1225	1614

LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:08:03 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: 25pcbs16207001B.0018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		3063	3722
2.149		6088	4084
2.183		2341	2738
2.223		3054	3532
2.265		1458	1506
2.31		930	632
2.346		1953	1867
2.4		2559	2705
2.486		5627	4748
2.52		3896	4348
2.536		31115	24301
2.601	TCX	1924573	1131305
2.693		1698	1411
2.773		3384	3811
2.818		25592	16182
2.871		1257	481
2.886		6879	4869
2.935		4355	2307
2.978		5516	3023
3.093		17216	20826
3.171		4699	4862
3.216		13560	8839
3.252		6141	4030
3.299		3613	2001
3.317		6056	3218
3.365		24594	25264
3.395		6649	2903
3.409		19900	13549
3.484		16882	10968
3.519		454940	271256
3.542		140898	78985
3.561		15697	7337
3.579		3212	2497
3.613		1460	1212
3.646		275832	170529
3.67		23329	11923
3.691		27056	15726
3.72		18304	12101
3.737		104386	58840
3.777		27161	19846
3.817		26340	21673
3.845		94190	53980
3.867		1062468	670792
3.892		115897	62424
3.912		101074	53270
3.931		195973	122354
3.966		927630	600338
3.998		355926	214193
4.015		215568	114169
4.075		68522	51149
4.109		346157	247325
4.166		750537	519601
4.198		199210	146552
4.225		1267103	912657

RT B	Compound B	Height B	Area B
4.263		96859	84857
4.316		614241	492418
4.352		84561	61672
4.384		808512	558173
4.408		134674	85126
4.451		486479	366550
4.475		25404	14383
4.549		445311	428153
4.6		549307	429176
4.64		149548	117757
4.678		926950	853529
4.724		64211	38749
4.748		29304	18982
4.806		8426	8727
4.863		40529	34837
4.897		45343	29896
4.92		274040	213593
4.97		34357	28141
5.005		28133	21926
5.036		17011	13768
5.066		128197	88712
5.088		97785	81793
5.162		13369	11482
5.303		5456	4699
5.344		118046	120533
5.503		15336	12682
5.546		3662	2565
5.57		17645	13917
5.62		6034	4983
5.649		2273	2273
5.726		7372	7723
5.877		1340	1171
5.923		14062	12848
6.039		1225	1812
6.084	DCB	1490750	1331379
6.319		1058	729
6.54		1392	1260
6.563		1545	1940
6.848		738	1033

AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082

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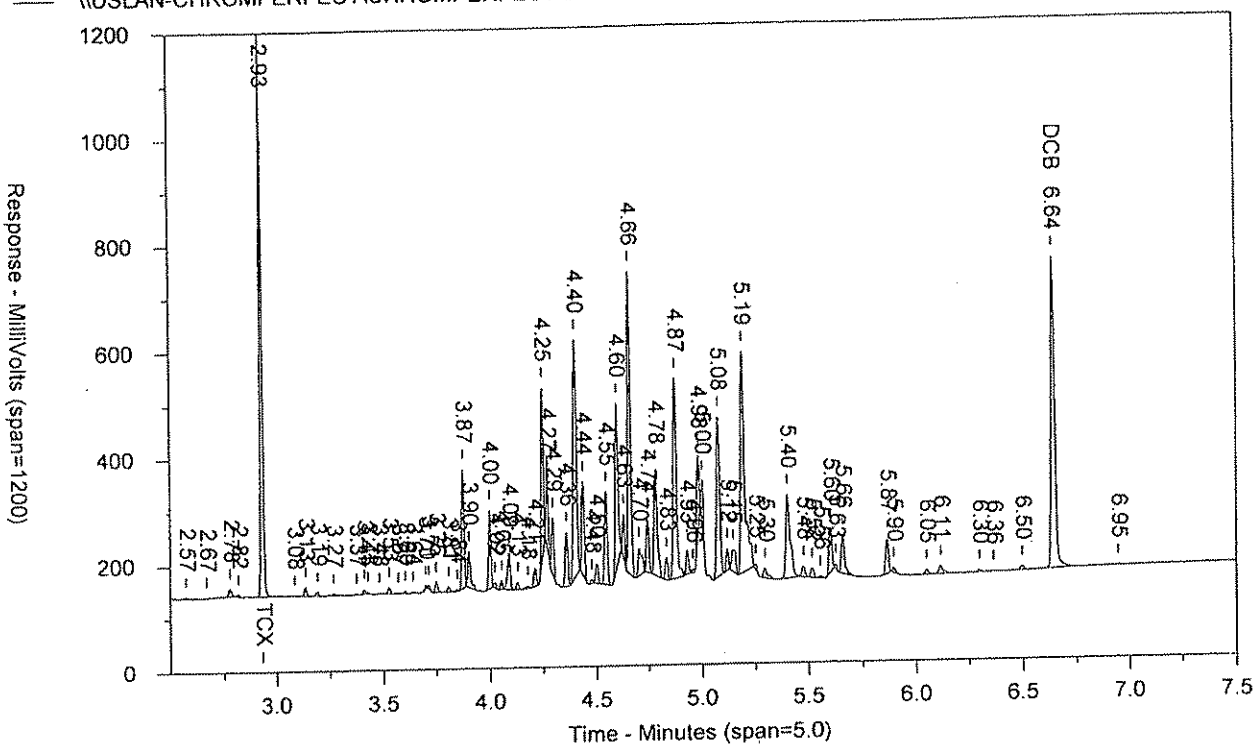

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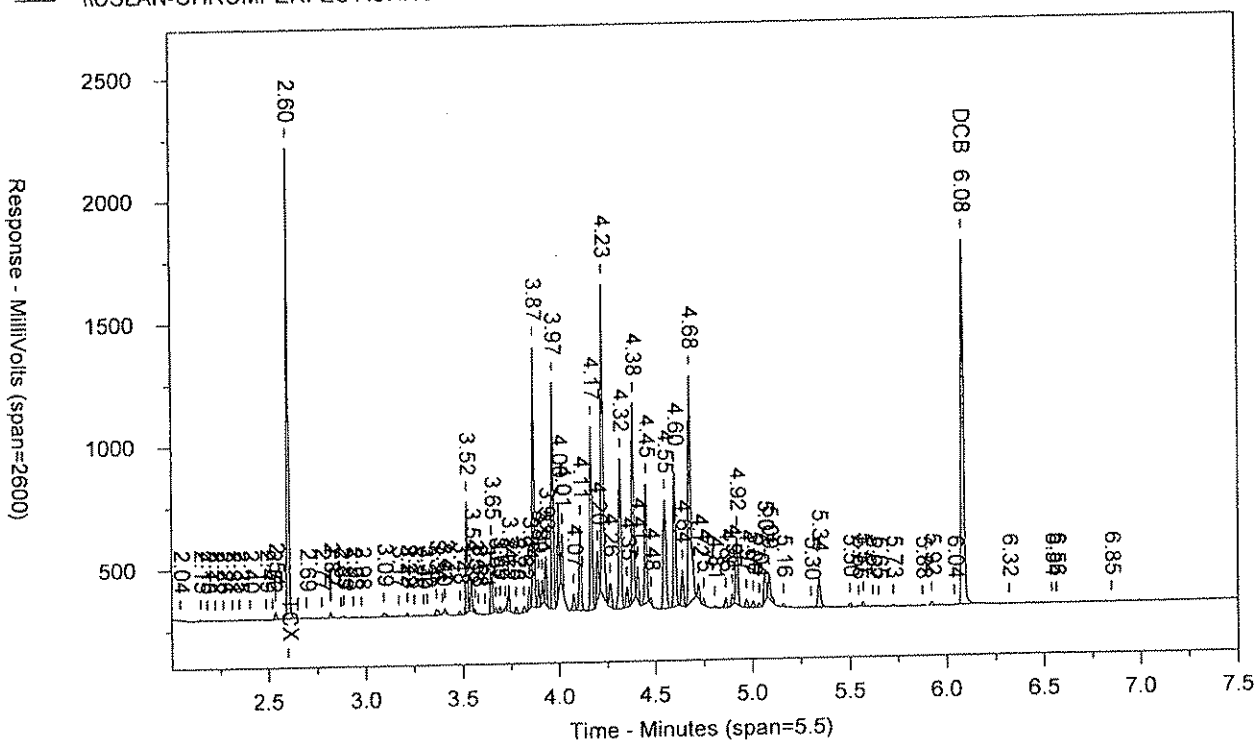

LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:08:03 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: 4
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
2.931	1080243	7.984	TCX	2.601	1924573	7.836	TCX
6.643	583303	8.726	DCB	6.084	1490750	7.836	DCB

Files:
Area File: 25pcbs16207001.0018.RAW
Area File: 25pcbs16207001B.0018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:16:35 PM
File Reported On: 7/25/2016 at 9:49:28 PM

AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082

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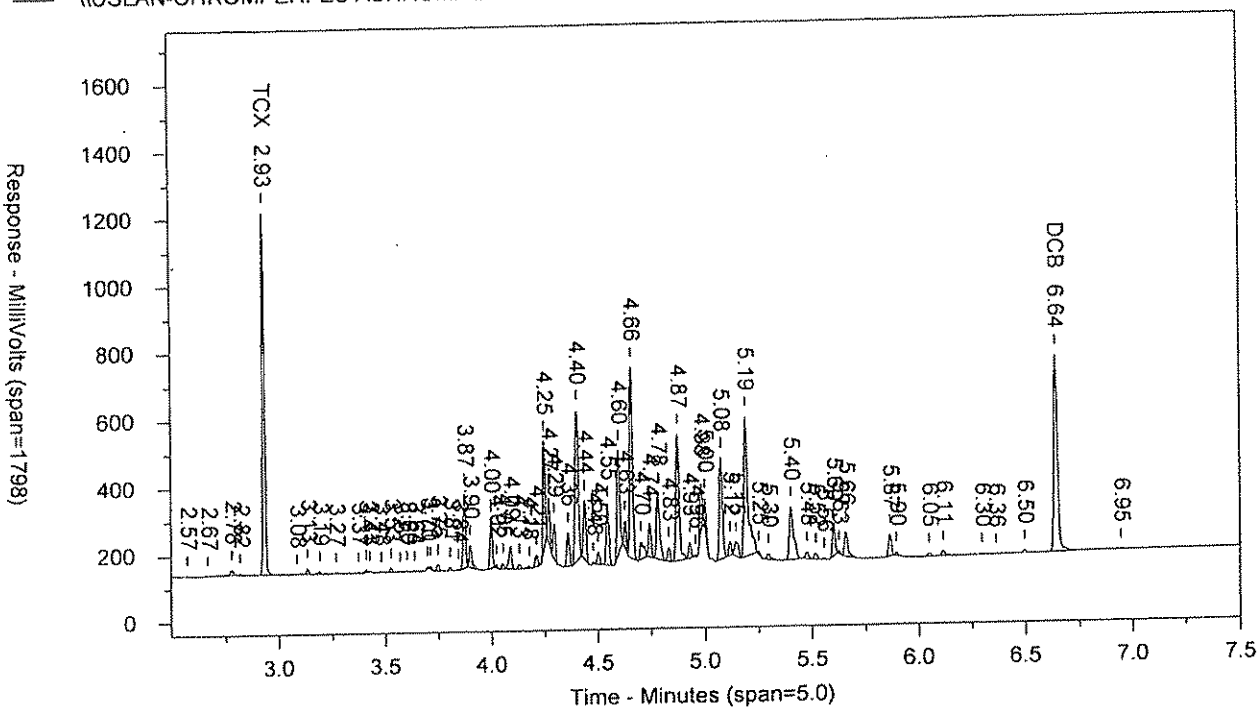

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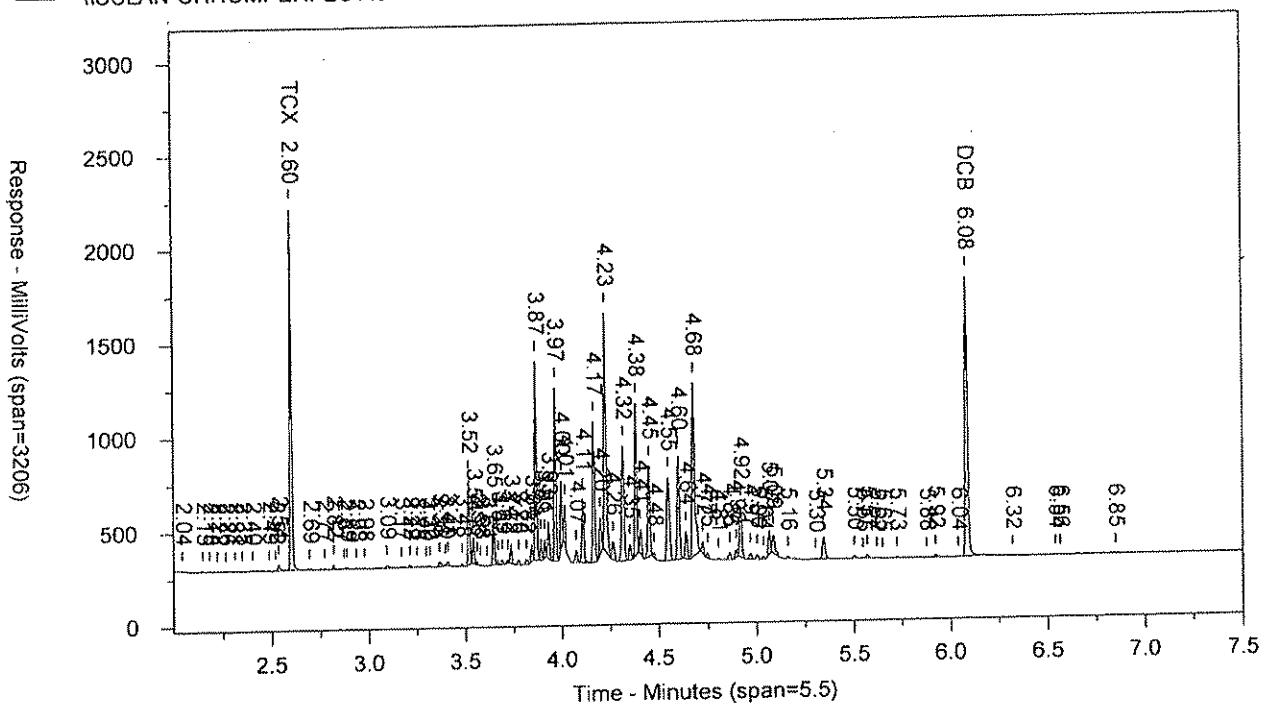

LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:19:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207001.0019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.094		5953	11727
2.147		1609	3979
2.223		14728	12654
2.316		11752	7326
2.334		4737	2646
2.418		6095	5559
2.497		1107	2129
2.576		1759	1556
2.671		2204	1982
2.729		1113	898
2.78		6169	6451
2.821		5469	4657
2.933	TCX	2737384	1831092
3.067		1919	1362
3.087		3056	2298
3.135		38875	27983
3.193		15201	13573
3.268		6432	4237
3.377		1701	1120
3.412		18616	11490
3.43		8910	5602
3.483		4355	4937
3.53		26316	20018
3.586		4530	3807
3.605		9708	6012
3.642		7099	7846
3.702		16358	8261
3.716		15307	10967
3.751		47009	34799
3.808		22329	17720
3.848		8579	6222
3.875		475258	363174
3.902		143827	129967
4.002		312545	242218
4.027		22259	13799
4.056		41230	29628
4.092		146166	135520
4.133		33004	27376
4.178		12204	15698
4.215		45213	40271
4.252		698172	518655
4.273		280785	175530
4.298		219852	164121
4.364		215678	186755
4.407		1007585	1011677
4.442		369129	302625
4.483		16217	10412
4.506		84510	69350
4.548		357233	336697
4.6		663787	614182
4.632		165555	113126
4.662		1301820	1127252
4.707		103757	141080
4.747		201809	169118

RT A	Compound A	Height A	Area A
4.785		397489	431886
4.836		90063	80549
4.877		774924	834033
4.933		93229	79592
4.959		16464	9727
4.985		285777	217391
5.003		173042	114471
5.035		11222	8174
5.079		653096	661211
5.121		88202	69193
5.148		83710	124050
5.194		910095	1319402
5.299		43641	51342
5.404		327835	462255
5.479		46599	41850
5.52		45903	46534
5.559		8912	7063
5.604		175425	165372
5.629		23085	14951
5.659		145714	164503
5.832		3679	3960
5.867		131206	131310
5.898		20303	20557
6.052		22877	25170
6.116		41731	57445
6.297		9105	10701
6.39		4403	6740
6.499		18525	20811
6.646	DCB	1258322	1501486
6.885		2792	4529

LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:19:52 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.045		7756	5753
2.148		1116	936
2.184		3135	2542
2.264		2069	1258
2.349		1911	1948
2.402		1760	1837
2.487		4527	9771
2.52		3750	3769
2.537		10611	7857
2.602	TCX	5028740	2893043
2.693		3351	3043
2.774		6646	5120
2.819		57194	30975
2.836		4213	1962
2.886		20654	13873
2.935		10905	6159
2.979		2268	1290
3.094		35192	31218
3.145		2323	1168
3.168		5710	3773
3.217		30810	20260
3.254		15247	8923
3.28		6969	3508
3.301		8380	4352
3.318		14616	7981
3.366		53886	55328
3.397		17976	8527
3.41		46716	31147
3.486		40027	24559
3.521		1008698	615855
3.544		320056	204707
3.648		625722	372797
3.672		50202	26193
3.693		68932	43205
3.722		42906	21190
3.739		242989	143350
3.779		62576	45857
3.817		49671	39832
3.847		225969	124826
3.869		2478742	1540356
3.894		250502	143258
3.914		214972	117546
3.933		415732	246678
3.968		2061736	1384104
4		818296	488896
4.017		496508	258331
4.077		156673	110190
4.112		789544	561486
4.168		1725463	1209467
4.201		420635	304477
4.228		2996254	2121419
4.266		218176	198008
4.318		1397008	1127916
4.355		198788	146042

RT B	Compound B	Height B	Area B
4.386		1926893	1300911
4.41		295480	191086
4.453		1142277	815482
4.478		60556	35138
4.551		1051148	979939
4.602		1341442	1020409
4.642		326335	269572
4.681		2190227	1980450
4.726		148092	89214
4.75		60338	42482
4.809		21254	21813
4.848		5673	2860
4.866		87494	61833
4.899		102312	68421
4.923		623912	487937
4.973		80997	64636
5.008		63830	50145
5.038		38469	31461
5.069		256214	189683
5.092		224452	189583
5.164		33344	28492
5.306		11169	9242
5.347		262834	294684
5.505		37686	32189
5.549		9929	6342
5.573		45030	34637
5.621		13438	10123
5.651		14499	18851
5.728		14664	12690
5.926		42107	54559
6.087	DCB	3652346	3166763
6.175		12954	16397
6.377		1276	1468
6.421		11445	16444
6.542		3296	2985
6.656		8339	13058
6.782		4224	4383
6.887		6604	9898

AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082

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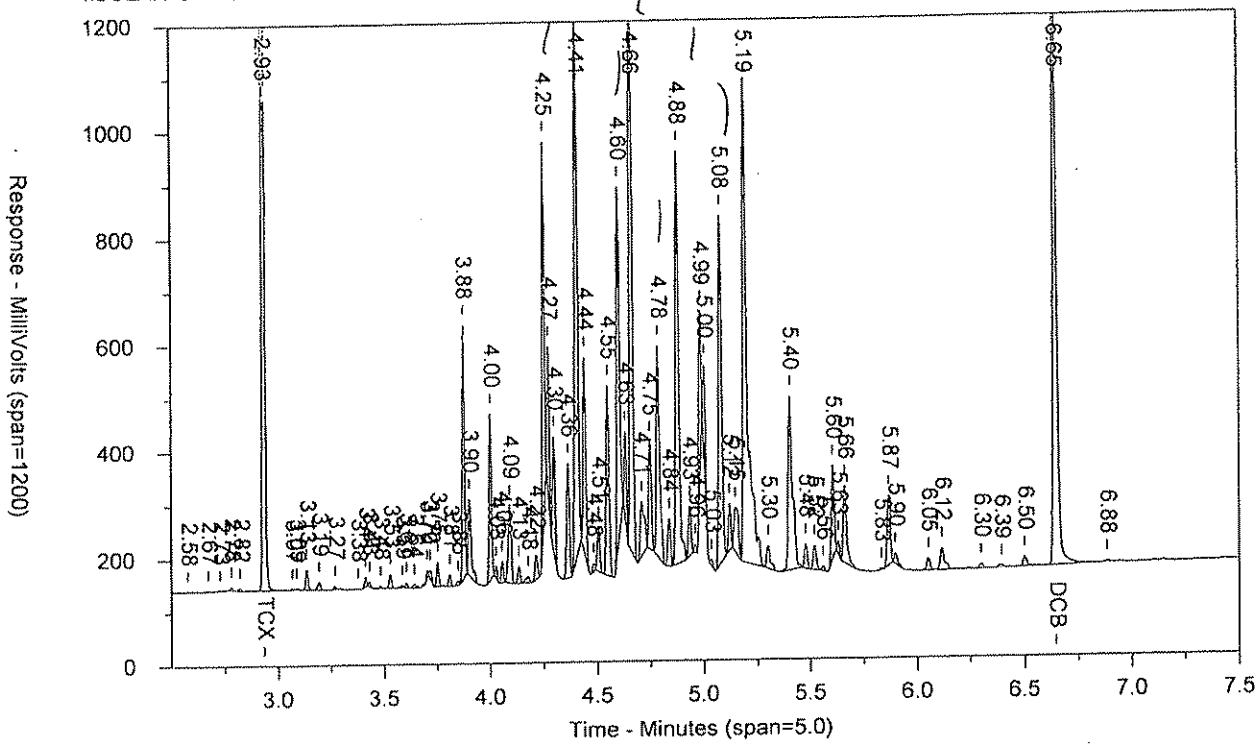

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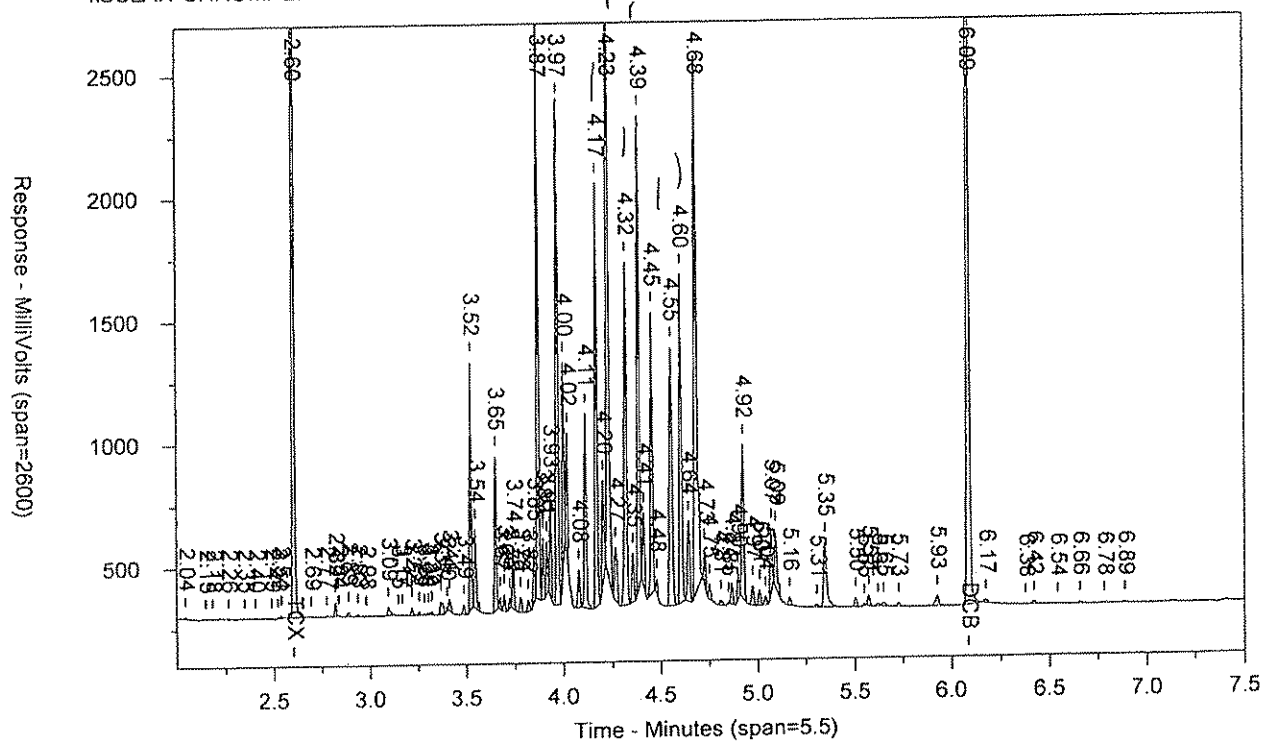

LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:19:52 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: 4
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
2.933	2737384	20.233	TCX	2.602	5028740	20.474	TCX
6.646	1258322	18.825	DCB	6.087	3652346	19.199	DCB

Files:
Area File: 25pcbs16207001.0019.RAW
Area File: 25pcbs16207001B.0019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:28:23 PM
File Reported On: 7/25/2016 at 9:49:40 PM

AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082

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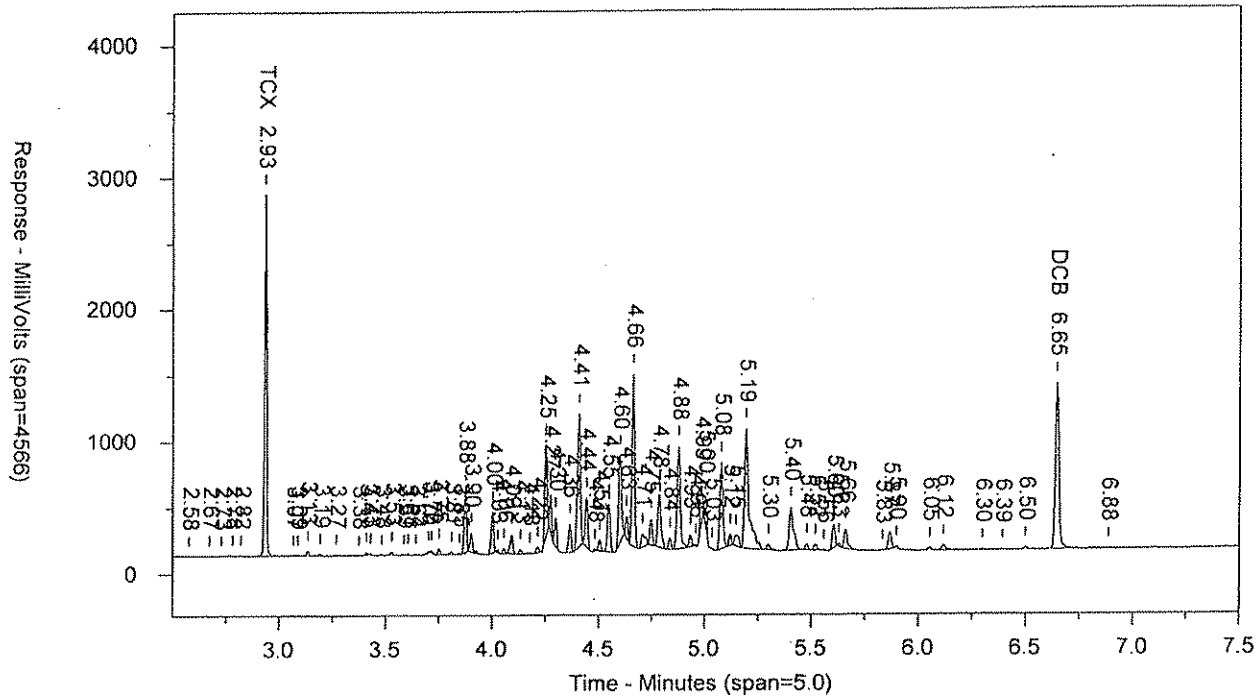

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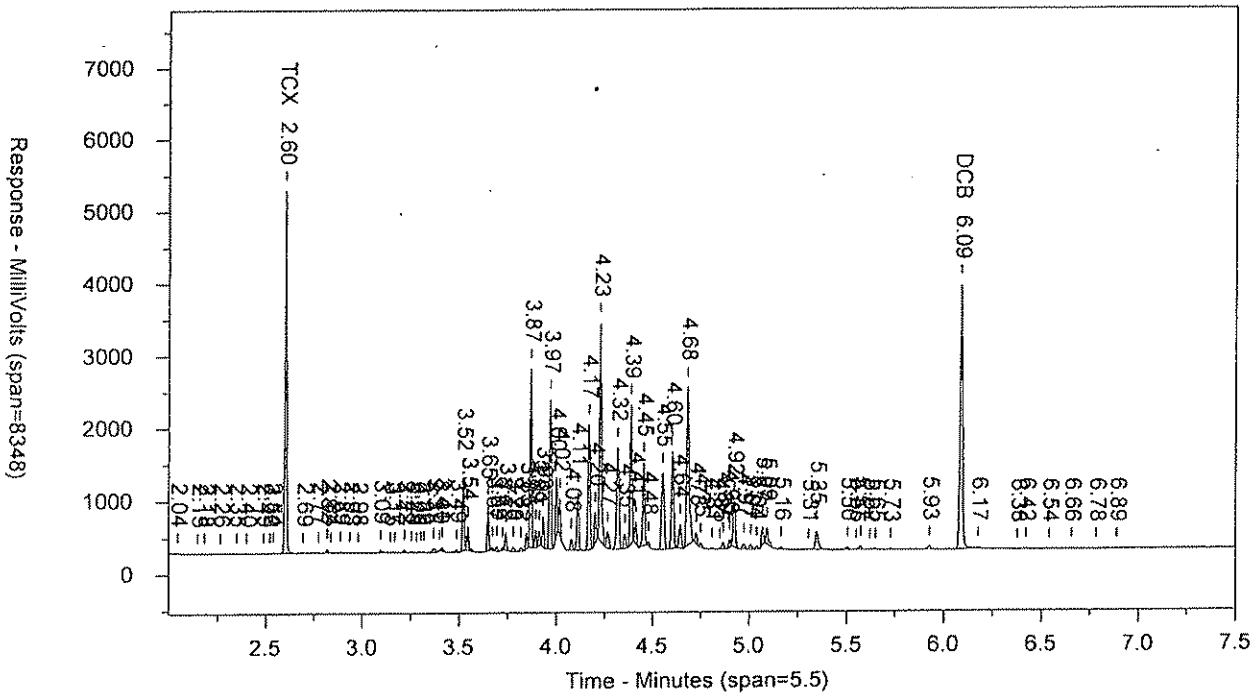

LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:31:33 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: 25pcbs16207001.0020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.039		1670	3879
2.093		7614	14128
2.145		1767	3237
2.222		29019	22151
2.315		22415	14146
2.334		9443	5651
2.378		1222	1237
2.417		4678	4455
2.492		1002	779
2.522		1919	1188
2.575		1854	2143
2.676		1101	1544
2.78		12104	11672
2.82		4118	3172
2.932	TCX	5705702	3819844
3.065		907	639
3.086		6509	5158
3.134		80948	57131
3.192		27186	20985
3.266		13991	9168
3.373		1418	795
3.411		42934	48976
3.465		2230	1176
3.481		6140	4388
3.528		43270	31825
3.584		9226	6456
3.604		18436	11585
3.64		12914	14403
3.7		33658	17255
3.713		27813	20213
3.749		88074	68525
3.806		44531	34759
3.846		10443	6760
3.873		940802	702572
3.9		263215	242913
4		596107	464357
4.024		47683	28420
4.054		79463	57537
4.089		272460	256683
4.131		64990	51414
4.16		4640	2656
4.176		12506	8238
4.213		70134	62112
4.25		1441901	1034629
4.271		578784	348590
4.295		424959	317962
4.361		394552	355846
4.405		2067001	2045997
4.44		733750	587308
4.48		35504	23370
4.503		151875	120659
4.546		695957	647520
4.599		1362177	1232120
4.63		334048	223431

RT A	Compound A	Height A	Area A
4.66		2597511	2320992
4.706		197234	261647
4.745		389292	323698
4.783		810930	827594
4.834		177367	158238
4.876		1648761	1692622
4.931		170113	144718
4.957		31707	19198
4.984		563802	438333
5.001		325721	195325
5.032		22109	17459
5.076		1422886	1353782
5.119		161672	129587
5.146		156632	223134
5.192		1823372	2323980
5.254		42902	28271
5.298		85182	101484
5.402		624133	884164
5.477		88805	81064
5.517		83243	78453
5.557		19756	18175
5.602		335708	318965
5.628		43008	28577
5.658		273756	304271
5.866		243935	247638
5.897		42234	40293
6.051		44526	49220
6.116		56874	52821
6.246		865	1029
6.297		16915	18093
6.344		1089	964
6.469		739	585
6.498		35865	40992
6.646	DCB	2628372	2915802

LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:31:33 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: 25pcbs16207001B.0020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		15746	12906
2.148		2515	2774
2.182		2066	2186
2.222		2589	3076
2.265		3307	2507
2.289		1749	2001
2.35		2175	2290
2.451		854	761
2.486		2084	1559
2.52		2269	1216
2.536		23798	18081
2.602	TCX	10350430	6144016
2.773		12247	9136
2.818		124794	75800
2.886		38657	23470
2.934		22112	13081
2.978		1939	1025
2.997		4976	2817
3.093		70976	69212
3.145		4867	2571
3.166		11408	7649
3.193		2539	1353
3.216		60564	40076
3.253		28970	16801
3.279		14965	7531
3.3		17081	8883
3.316		18356	9848
3.365		108232	108536
3.396		32698	15026
3.409		96232	66128
3.485		78910	49952
3.52		2133318	1247789
3.543		620415	354791
3.561		71894	33022
3.647		1295699	789326
3.671		109193	56416
3.692		140723	90868
3.721		80141	38073
3.738		494517	290731
3.778		130776	93115
3.816		98590	77457
3.846		452351	255949
3.867		5376654	3294910
3.892		522686	296854
3.912		447198	253992
3.932		832642	501040
3.967		4504861	2928812
3.998		1740530	1021209
4.016		1034416	528573
4.075		315985	220179
4.11		1645633	1155911
4.167		3723030	2606733
4.199		937486	648878
4.226		6542919	4628714

RT B	Compound B	Height B	Area B
4.264		440672	402978
4.317		3026052	2375997
4.353		415414	304781
4.385		4187104	2858382
4.409		645096	396528
4.451		2455402	1757501
4.476		117536	66209
4.549		2196264	2073789
4.601		2927844	2266188
4.641		712366	561092
4.679		4836676	4309935
4.725		318548	195835
4.749		143277	97726
4.807		45750	47233
4.847		10626	5859
4.865		179703	133888
4.899		213113	141874
4.921		1366675	1043262
4.972		172468	135592
5.007		139928	107140
5.037		80238	65328
5.067		609721	431905
5.089		491166	408031
5.163		62692	53035
5.281		1670	872
5.305		22353	17367
5.346		563959	565278
5.445		2031	1625
5.504		73271	61675
5.547		20758	14530
5.572		81232	64919
5.62		30183	25698
5.652		2791	2817
5.726		28980	24427
5.758		1517	1072
5.878		2369	2724
5.926		65025	55656
6.086	DCB	7578584	6774532
6.425		2257	2977
6.539		6554	5628
6.709		1215	3646

AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082

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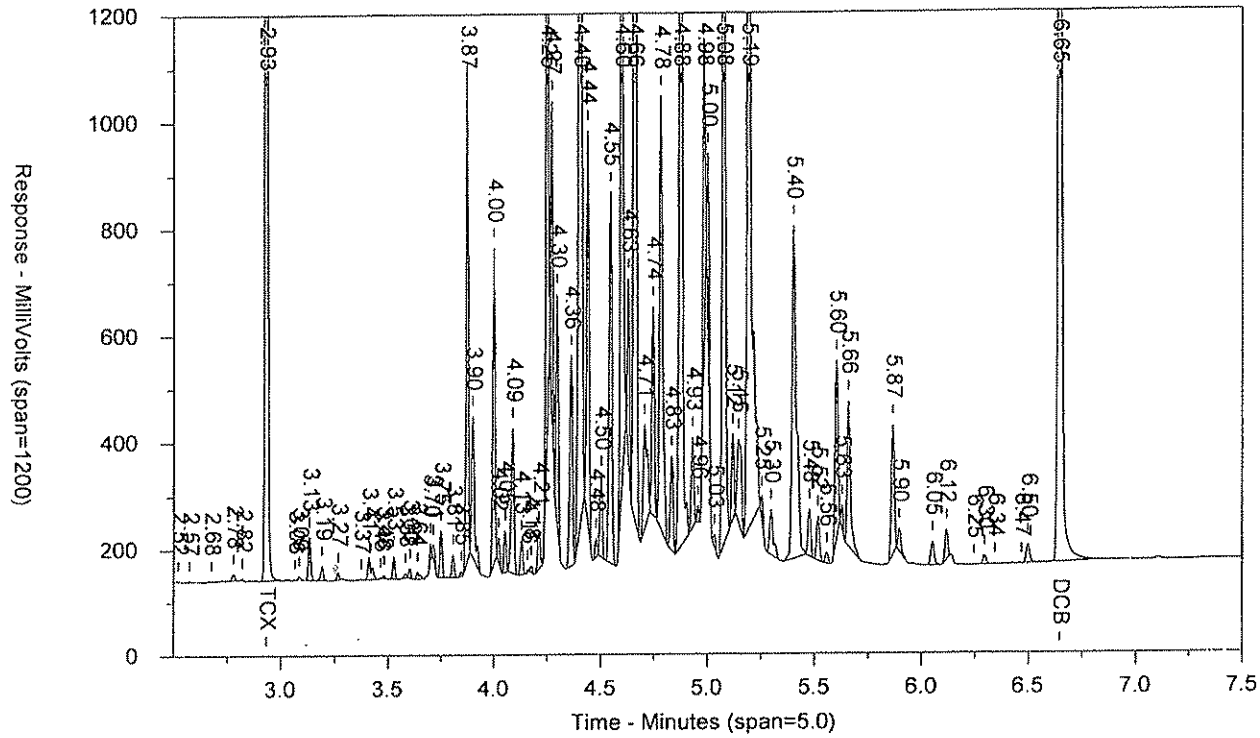

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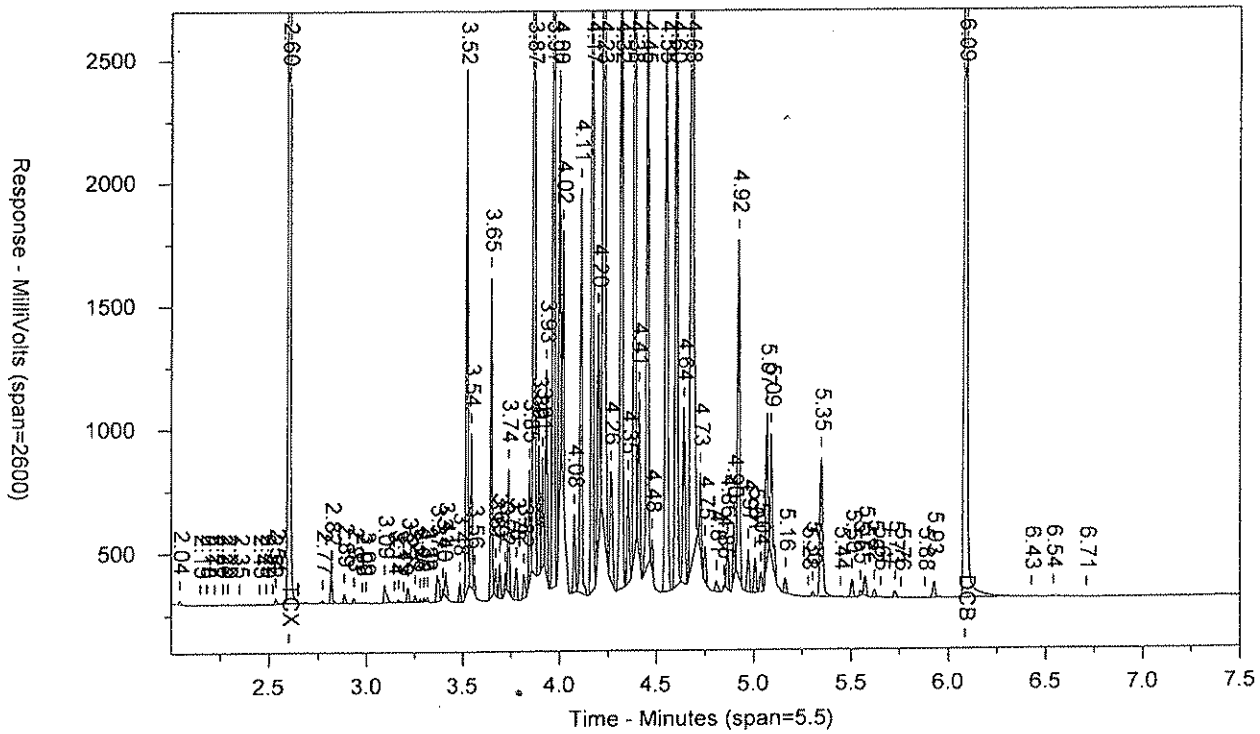

LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:31:33 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: 4
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
2.932	5705702	42.172	TCX	2.602	10350430	42.141	TCX
6.646	2628372	39.322	DCB	6.086	7578584	39.837	DCB

Files:
Area File: 25pcbs16207001.0020.RAW
Area File: 25pcbs16207001B.0020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:40:03 PM
File Reported On: 7/25/2016 at 9:49:52 PM

AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082

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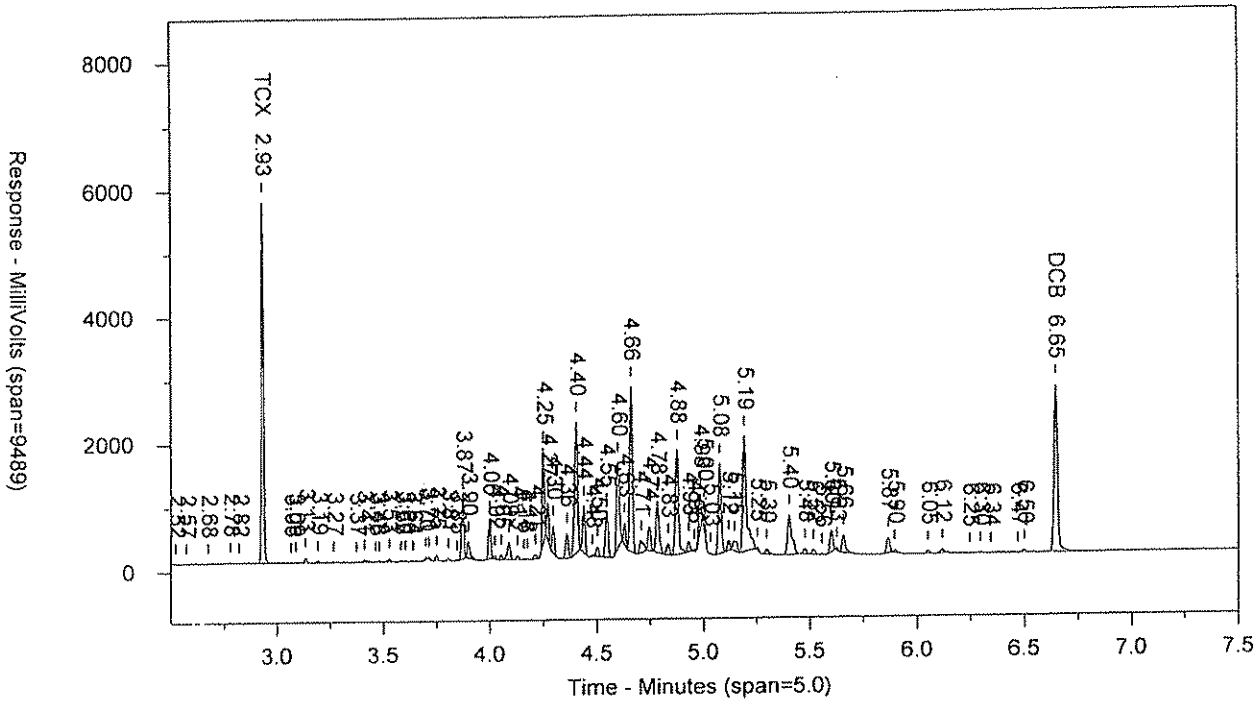

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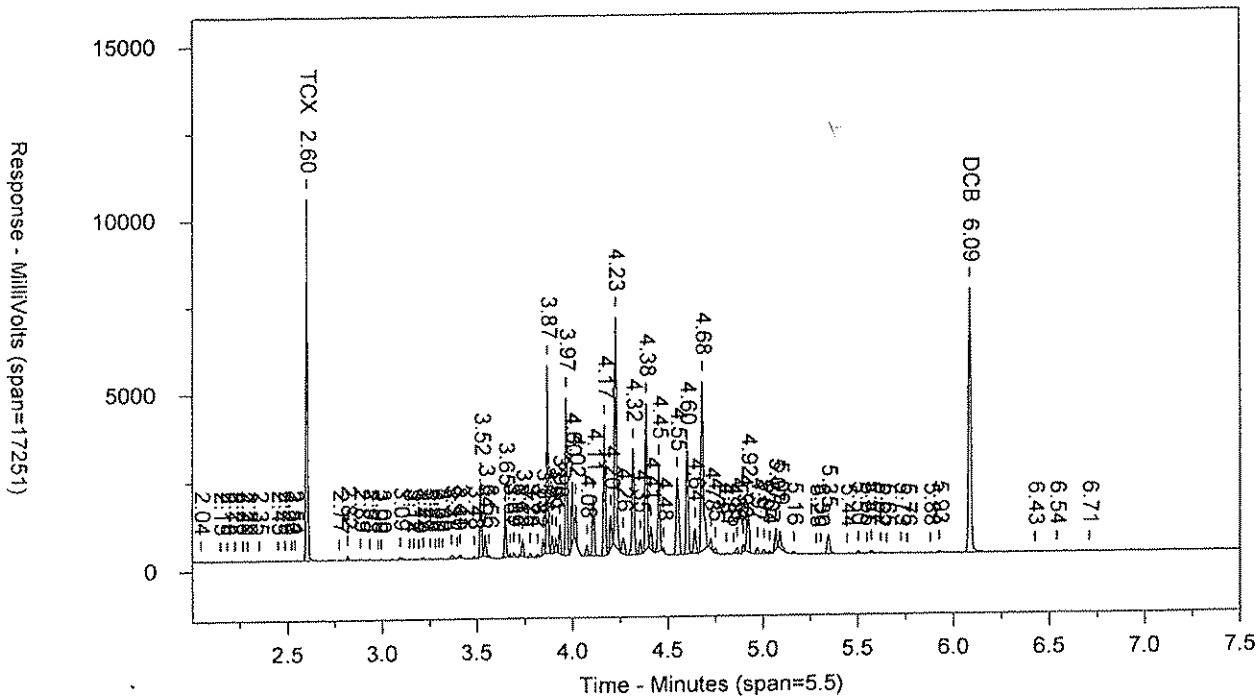

LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:42:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207001.0021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.039		2169	4954
2.091		8889	18159
2.148		3188	6382
2.222		56429	42209
2.314		15596	9377
2.333		20758	12754
2.38		1291	1256
2.418		5066	5520
2.571		1875	2106
2.669		1683	1660
2.779		8607	8322
2.82		4247	3747
2.854		845	655
2.931	TCX	11145900	7477756
3.035		2389	1374
3.085		12283	11546
3.132		149554	108170
3.191		48382	36713
3.265		27296	17719
3.286		5188	3295
3.408		79824	90407
3.463		3981	2234
3.479		12197	8446
3.525		77442	57161
3.581		19035	11215
3.601		31972	20516
3.637		24813	26483
3.709		118641	195104
3.746		163238	127494
3.803		80462	65778
3.843		16440	10677
3.87		1716832	1298641
3.898		469375	430830
3.997		1090917	842414
4.021		79405	50237
4.052		140883	103693
4.087		487631	460623
4.128		117320	94822
4.157		8534	4786
4.173		24371	15853
4.209		111055	96029
4.247		2737456	1988075
4.268		1089142	675489
4.292		782911	577055
4.359		724606	638610
4.401		3984562	3907985
4.437		1345629	1079736
4.477		59080	40346
4.5		248982	202391
4.543		1325451	1179790
4.595		2741059	2381801
4.627		616381	418911
4.657		5252363	4510482
4.702		354891	473540

RT A	Compound A	Height A	Area A
4.742		740041	600576
4.78		1484649	1520986
4.831		314113	282446
4.872		3348653	3008604
4.9		55497	32068
4.928		303304	251392
4.953		60958	37769
4.981		1109410	843789
4.998		605567	391374
5.03		43603	32150
5.074		2722582	2599187
5.117		295220	235243
5.142		282509	396993
5.189		3728235	4408446
5.252		79957	54682
5.295		142762	181546
5.4		1159925	1582555
5.475		144534	137816
5.515		142164	136752
5.555		39437	35262
5.6		653747	591069
5.625		78333	55429
5.656		503349	536614
5.864		432715	436345
5.894		72623	73946
5.956		2572	2761
6.048		79990	89301
6.113		117469	165593
6.247		1074	1342
6.294		34292	35261
6.339		2209	3119
6.423		2108	1923
6.461		1307	1014
6.496		67601	74730
6.596		1007	1017
6.643	DCB	5053159	5509438

LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:42:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.045		29511	22047
2.138		2590	3628
2.185		3083	3119
2.226		2453	2881
2.264		1267	884
2.291		1848	1227
2.351		3290	3192
2.387		1046	1321
2.522		1912	1046
2.537		15169	11092
2.602	TCX	20705460	12121650
2.774		23277	16997
2.799		2023	904
2.819		238962	145447
2.886		72727	44415
2.934		43646	25391
2.997		9794	6368
3.059		1136	573
3.093		135432	127666
3.145		10248	5432
3.166		21266	12462
3.191		5339	2861
3.215		116058	75384
3.252		57080	33336
3.279		33869	17651
3.299		32472	16353
3.315		30178	15945
3.364		206345	206727
3.394		62692	28384
3.408		183648	127290
3.483		151990	92167
3.518		4069020	2375021
3.541		1214241	665730
3.559		136666	64601
3.645		2527181	1487693
3.668		203619	107251
3.689		245074	161498
3.718		159754	76203
3.735		945531	546067
3.775		241944	175244
3.814		186323	148071
3.844		845771	484404
3.866		10343650	6347024
3.89		1060784	572300
3.91		869650	475256
3.93		1587955	926726
3.965		8962875	5634975
3.996		3472954	2003716
4.013		2089464	1037140
4.073		598273	409532
4.107		3237089	2207418
4.164		7249418	5016382
4.196		1846576	1309273
4.224		13062430	9033596

RT B	Compound B	Height B	Area B
4.262		815494	759104
4.314		5879937	4595589
4.35		809515	584482
4.382		8204182	5618273
4.406		1165328	752861
4.449		4706802	3408493
4.474		234505	137345
4.548		4402275	4020128
4.598		5951903	4515624
4.638		1323133	1070638
4.677		9309614	8359164
4.723		611596	375370
4.746		259172	177869
4.805		90474	94929
4.845		16879	8954
4.861		341087	252153
4.896		413115	269994
4.919		2681730	2031540
4.969		308914	254932
5.004		256830	204336
5.034		156663	125293
5.065		1312503	908870
5.087		948087	806972
5.128		22163	11970
5.161		126252	104529
5.279		2687	1644
5.303		40353	32842
5.343		1084923	1069731
5.447		3614	2347
5.467		1621	939
5.502		138637	118293
5.546		41967	29736
5.57		162365	126700
5.618		57335	53730
5.724		55993	45662
5.877		2928	2686
5.924		121952	102472
5.957		4250	2714
5.978		2613	1659
6.05		1433	1235
6.084	DCB	15638010	13159000
6.422		1931	2010
6.496		1621	1145
6.537		12390	10669
6.715		1929	2889
6.844		812	859

AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082

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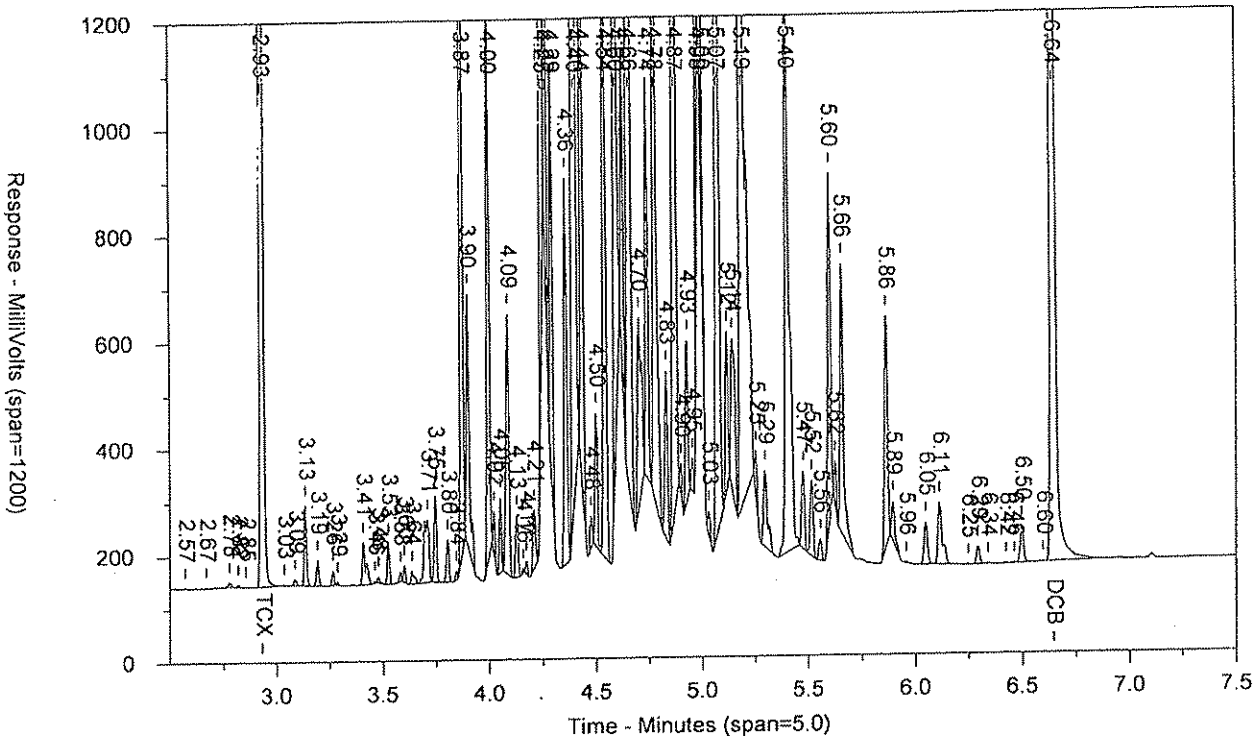

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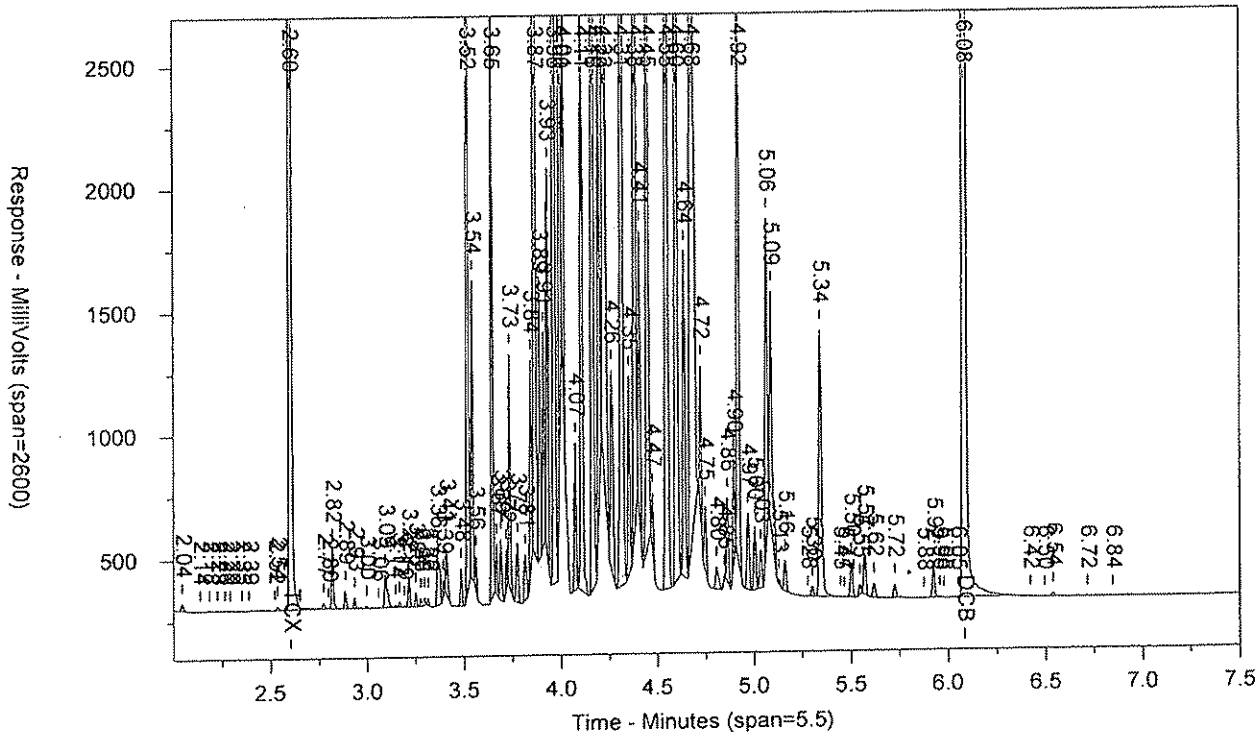

LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:42:53 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: 4
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
2.931	11145900	82.382	TCX	2.602	20705460	84.301	TCX
6.643	5053159	75.598	DCB	6.084	15638010	82.202	DCB

Files:
Area File: 25pcbs16207001.0021.RAW
Area File: 25pcbs16207001B.0021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:51:26 PM
File Reported On: 7/25/2016 at 9:50:04 PM

AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082

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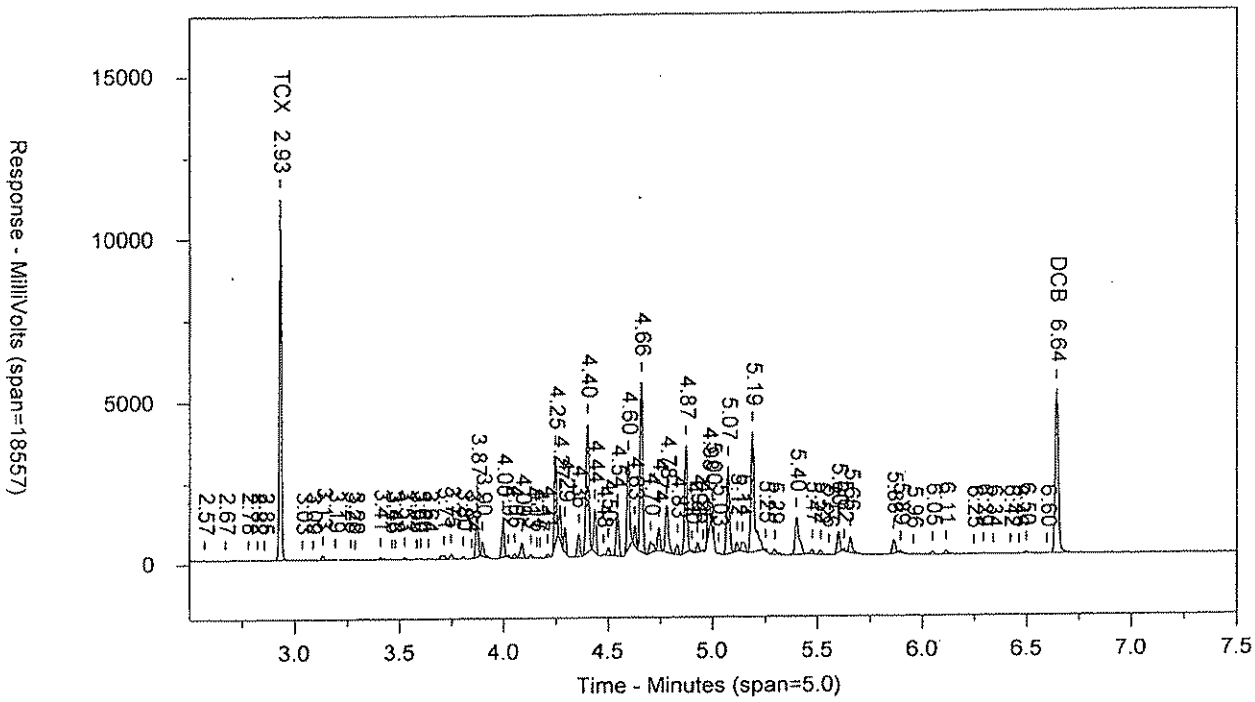

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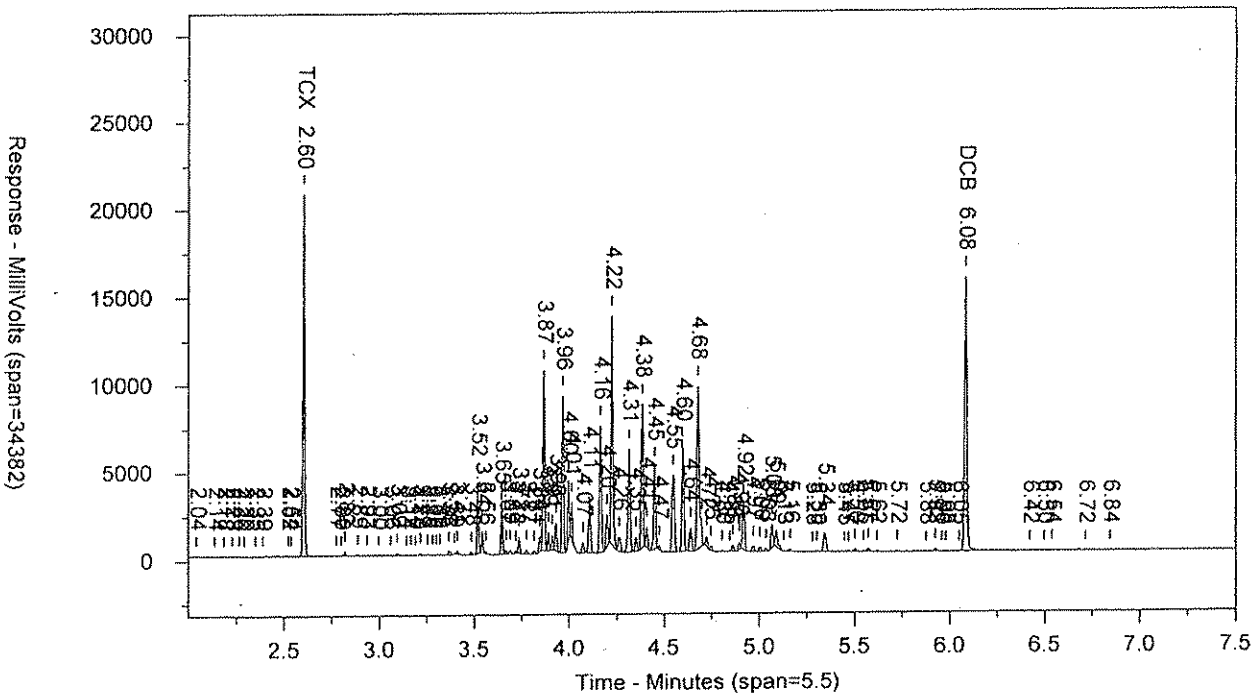

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:54:35 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: 25pcbs16207001.0022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.092		7743	15799
2.15		3095	8854
2.236		1200	1235
2.314		18542	13256
2.379		1183	1473
2.416		4622	4185
2.496		1123	2063
2.578		1539	2154
2.672		1324	1327
2.78		10870	12431
2.821		3890	3184
2.863		707	684
2.934	TCX	2392	2246
3.065		1099	748
3.086		2352	2423
3.144		3587	2327
3.192		19189	15228
3.287		3086	3898
3.375		1217	1000
3.41		20429	12319
3.427		10080	5532
3.464		2340	1301
3.5		1288	925
3.527		28673	20506
3.568		1656	1831
3.602		3068	2255
3.639		6804	7934
3.7		11363	5866
3.71		19392	10026
3.748		29282	23560
3.806		23248	18217
3.845		3369	2651
3.873		27431	20433
3.906		20385	28520
3.999		23511	16803
4.024		6097	3935
4.054		7045	4910
4.089		18765	25494
4.129		6654	5488
4.172		2942	3767
4.213		25728	22294
4.25		135606	108197
4.271		13819	7623
4.294		19000	13591
4.319		3145	2155
4.361		17468	15586
4.405		169695	162512
4.439		18143	12905
4.502		7197	7804
4.542		47714	49609
4.614		144520	177735
4.66		86339	76952
4.705		439444	471911
4.743		85478	63887

RT A	Compound A	Height A	Area A
4.783		675930	668456
4.823		15873	14053
4.872		52516	62315
4.905		6402	4150
4.93		99286	92755
4.983		722981	856424
5.033		377548	355491
5.076		354767	464010
5.119		10591	6804
5.155		45350	42264
5.19		605358	675825
5.23		5222	1942
5.254		938880	932375
5.297		447226	449428
5.392		157404	128184
5.418		818367	883950
5.477		365804	394549
5.517		119376	96610
5.558		54462	51834
5.602		172434	179435
5.658		1866165	2254691
5.861		1068440	1223000
5.918		544455	920584
6.05		78815	79190
6.117		20430	15569
6.138		291164	276481
6.297		663625	751777
6.342		41729	38660
6.5		277715	334956
6.647	DCB	10730	10853
6.731		1440	2088

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:54:35 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: 25pcbs16207001B.0022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.148		2841	3069
2.185		1964	1968
2.221		2123	2618
2.35		2404	2528
2.401		1489	3396
2.486		2091	1661
2.52		2396	2141
2.536		20959	15863
2.584	TCX	1512	3004
2.644		2358	1761
2.694		1970	2242
2.774		4137	2923
2.835		6242	4246
2.886		27226	17383
2.979		1494	831
2.996		3745	2254
3.093		39379	38909
3.144		2767	1406
3.172		4229	3205
3.215		37283	23779
3.253		3200	1693
3.299		9557	4646
3.315		9536	5378
3.374		63334	64343
3.408		40089	32080
3.483		39310	24839
3.519		47921	28755
3.543		50905	33833
3.58		6070	5274
3.647		42219	26043
3.67		13290	6915
3.691		8301	4565
3.72		18639	10491
3.737		25400	14403
3.776		13338	9852
3.816		17333	14552
3.846		15939	9343
3.866		301968	192716
3.892		29327	16767
3.913		5089	2434
3.93		54909	40324
3.966		328011	215535
3.999		59380	72970
4.06		5991	3642
4.076		5190	3101
4.099		54607	63833
4.165		74867	51428
4.207		226313	148508
4.238		970561	709493
4.265		250932	248612
4.315		1706846	1224941
4.355		34621	27899
4.384		58815	37667
4.409		239441	172481

RT B	Compound B	Height B	Area B
4.45		1856101	1399509
4.552		1779454	1494582
4.605		317818	250953
4.644		529096	411544
4.678		1084714	924510
4.71		2486755	1836284
4.748		1057588	800916
4.846		494502	410584
4.897		2537413	2084779
4.97		997081	921586
5.005		310657	227100
5.034		268316	216050
5.088		4656810	3915474
5.129		40301	25026
5.162		317095	251767
5.28		83289	52886
5.303		1919848	1500501
5.35		3177636	3140018
5.503		138893	114853
5.547		17624	12078
5.571		89638	70190
5.619		691899	608911
5.726		1707266	1421727
5.757		70198	48003
5.925		642052	592552
6.086	DCB	18821	18030
6.177		1466	1913
6.26		1850	2020
6.429		1429	1052
6.502		715	732
6.57		1889	1657

AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082

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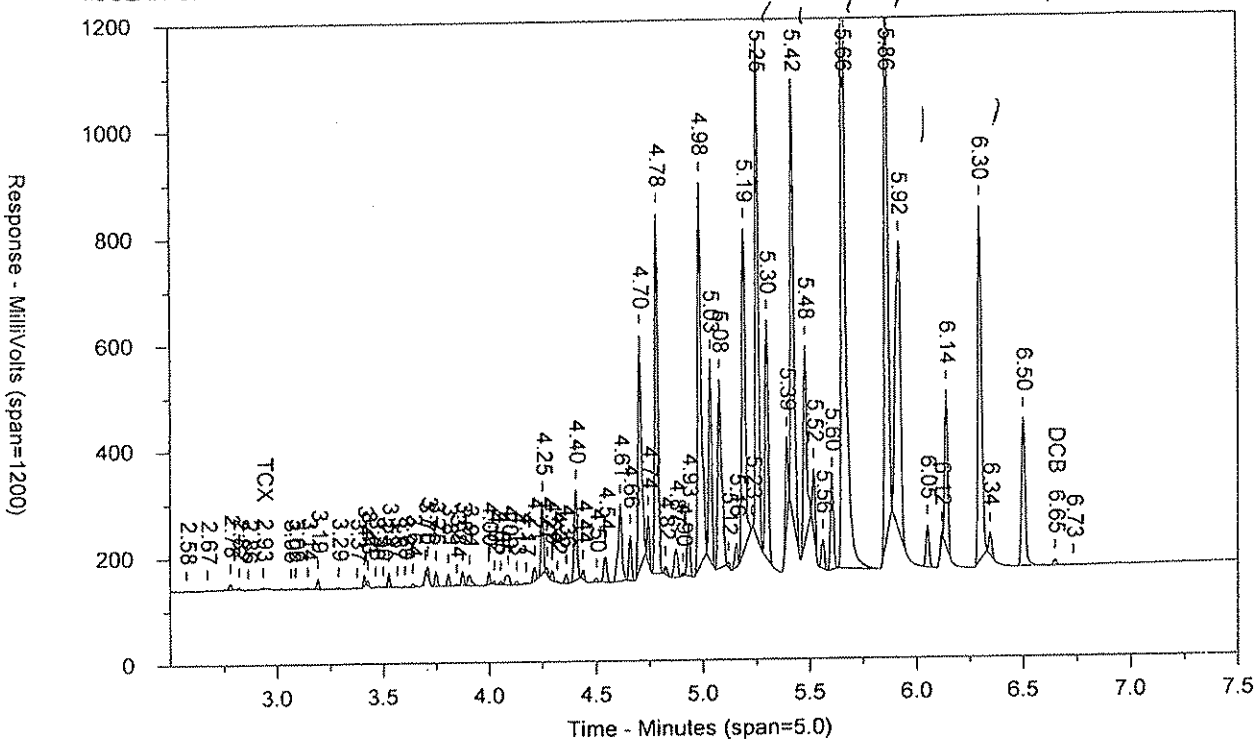

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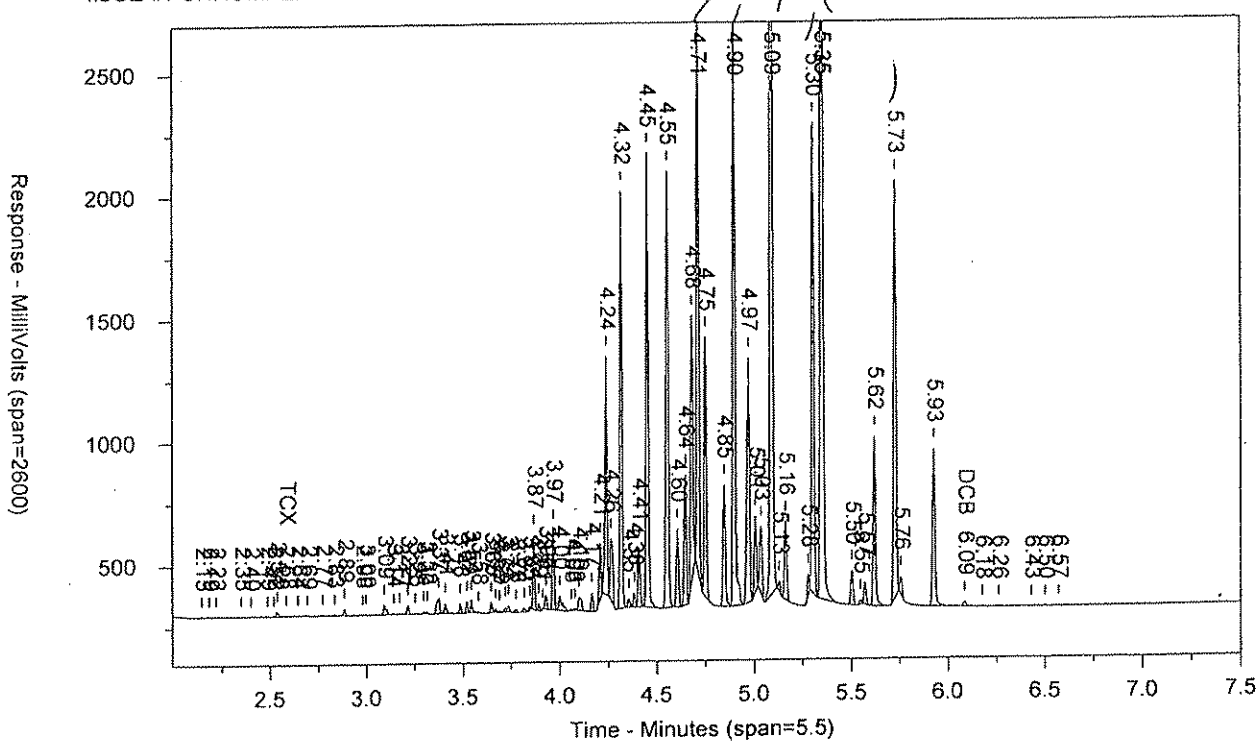

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:54:35 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: 4
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
2.934	2392	.018	TCX	2.584	1512	.006	TCX
6.647	10730	.161	DCB	6.086	18821	.099	DCB

Files:
Area File: 25pcbs16207001.0022.RAW
Area File: 25pcbs16207001B.0022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:03:09 PM
File Reported On: 7/25/2016 at 9:50:16 PM

AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082

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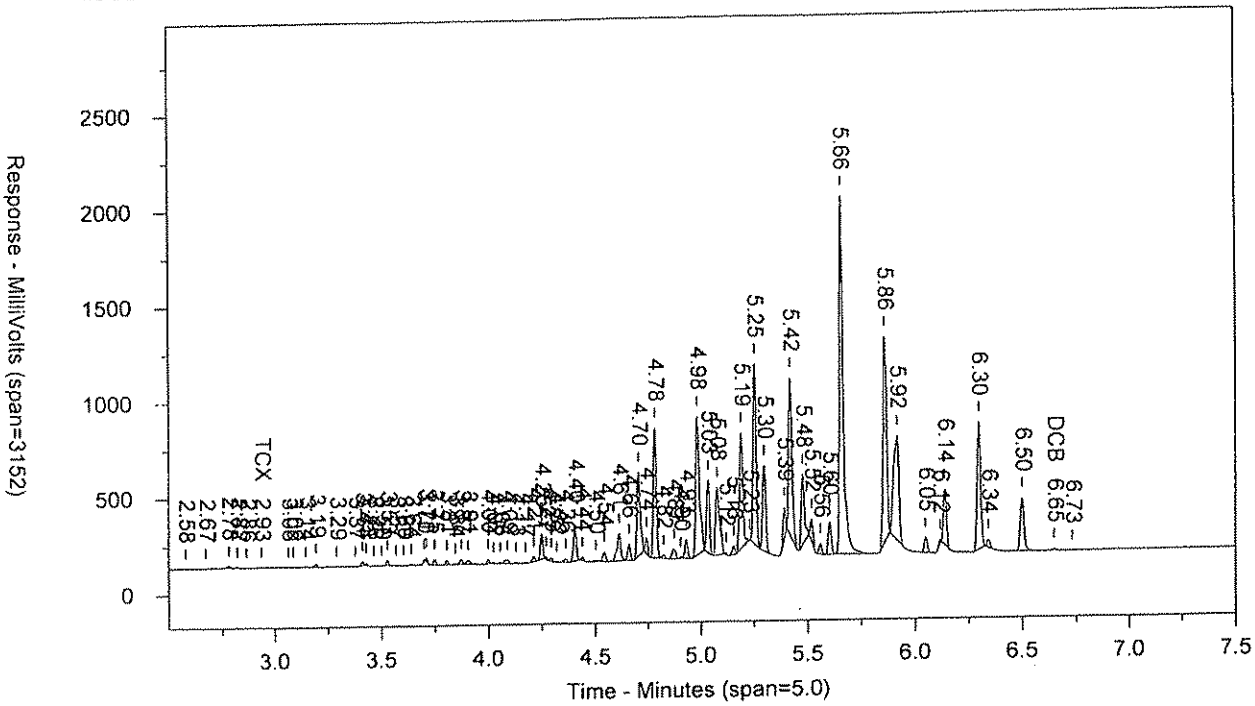

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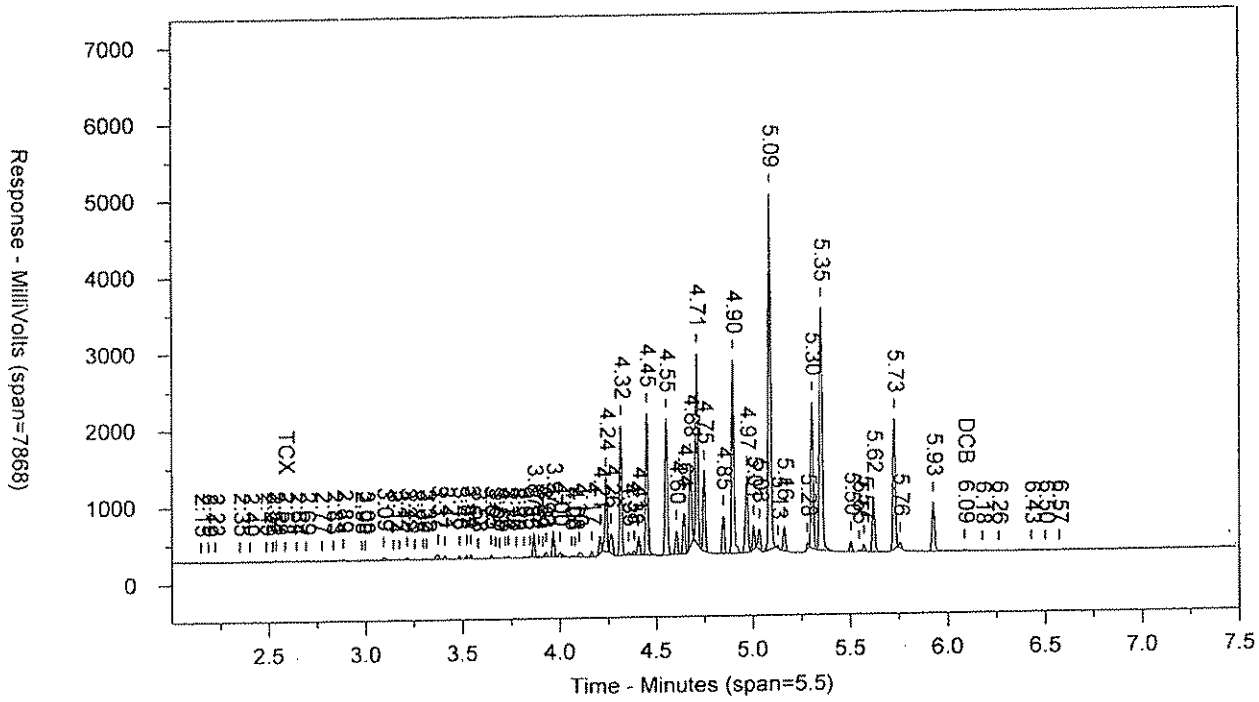

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:06:23 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: 25pcbs16207001.0023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.014		1333	3183
2.092		7468	12222
2.237		1437	1735
2.315		11692	7790
2.378		1468	1343
2.417		5019	4272
2.495		1805	3620
2.576		1012	2514
2.671		1865	2139
2.726		917	626
2.78		8683	8858
2.821		4174	3383
2.956	TCX	1899	5287
3.068		1680	1371
3.189		5258	5755
3.293		1021	1278
3.413		4129	2598
3.53		8391	6194
3.57		2385	3015
3.607		1625	1030
3.642		2512	2830
3.685		10454	6305
3.713		9213	9050
3.751		8535	6350
3.785		1489	1362
3.809		6729	5164
3.848		3017	2655
3.875		9903	7206
3.903		6556	11498
4.002		10095	7293
4.026		3231	2014
4.057		3541	2401
4.093		9573	10230
4.132		4737	4470
4.172		2323	2522
4.216		21557	20479
4.251		7721	4943
4.274		11891	7819
4.297		12071	8129
4.322		3528	2686
4.36		1497	1604
4.403		14844	11671
4.425		4362	4033
4.503		4849	5930
4.544		17220	17280
4.601		6934	6822
4.663		8563	7560
4.708		5972	5635
4.748		8223	7443
4.785		13681	12281
4.827		16037	14334
4.874		10009	10980
4.909		19014	16497
4.951		1287	1292

RT A	Compound A	Height A	Area A
4.986		7318	5626
5.036		51204	46762
5.079		14419	18358
5.121		1592	973
5.149		10700	9621
5.191		21989	23750
5.256		411283	452208
5.3		43304	39590
5.395		31415	24944
5.436		508897	609181
5.501		175989	199851
5.56		29560	28960
5.604		10417	9676
5.661		160164	136117
5.681		101539	77460
5.813		574	571
5.863		2171307	2206845
5.921		1834868	2076765
6.052		1759020	1822817
6.118		487589	622178
6.299		753683	866388
6.501		5157728	5738502
6.649	DCB	1104106	1263573
6.729		3556	3594
6.802		2012	2595
6.968		4936	6150

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:06:23 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: 25pcbs16207001B.0023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.147		1514	1617
2.184		2695	3017
2.223		2344	2872
2.264		2245	2762
2.347		2509	3361
2.39		1522	2443
2.522		2403	1804
2.537		16231	12191
2.581	TCX	2561	1741
2.688		2349	4551
2.772		1986	1729
2.838		2402	1732
2.865		1047	744
2.886		3168	2278
2.955		1782	1603
3.042		1927	1320
3.094		8493	8156
3.175		3476	2728
3.217		8729	5879
3.258		3281	2911
3.3		1727	1434
3.318		29610	16953
3.376		19056	20458
3.41		11296	11437
3.445		2734	2231
3.485		10543	6795
3.521		12074	6641
3.544		16385	10958
3.562		3419	1593
3.612		2600	2345
3.649		16731	9927
3.671		6899	3945
3.692		3414	2130
3.722		5317	2820
3.739		13785	7741
3.78		7580	5610
3.825		7643	6051
3.848		13162	8897
3.87		28521	16825
3.894		23322	13593
3.93		41268	38984
3.969		6543	3937
4.004		21815	15123
4.03		10683	5744
4.063		6343	4341
4.101		22103	20669
4.144		3559	2046
4.168		11560	8335
4.2		7862	6681
4.228		8616	4444
4.242		7106	3506
4.267		2317	2234
4.319		36000	32133
4.358		28461	19959

RT B	Compound B	Height B	Area B
4.387		11313	7979
4.41		6588	3824
4.427		25794	16765
4.454		16733	10634
4.479		3523	2776
4.555		105862	82956
4.605		25693	21697
4.649		38871	34704
4.681		12944	9341
4.714		951539	765728
4.751		73103	51879
4.849		70895	56485
4.899		1380092	1144909
4.964		347578	316593
5.009		4906	2556
5.025		6861	3641
5.041		24561	17749
5.091		520530	449681
5.164		366549	315642
5.245		2875	2103
5.282		47117	28068
5.306		5711505	4602299
5.353		5528721	4581482
5.505		4844822	3971445
5.573		1163419	994859
5.622		175982	143088
5.728		1959781	1700807
5.852		8817	9688
5.927		16115480	13479870
6.087	DCB	3222838	2771684
6.261		8266	9712
6.426		9041	8798
6.572		2023	2323
6.892		973	1926

AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082

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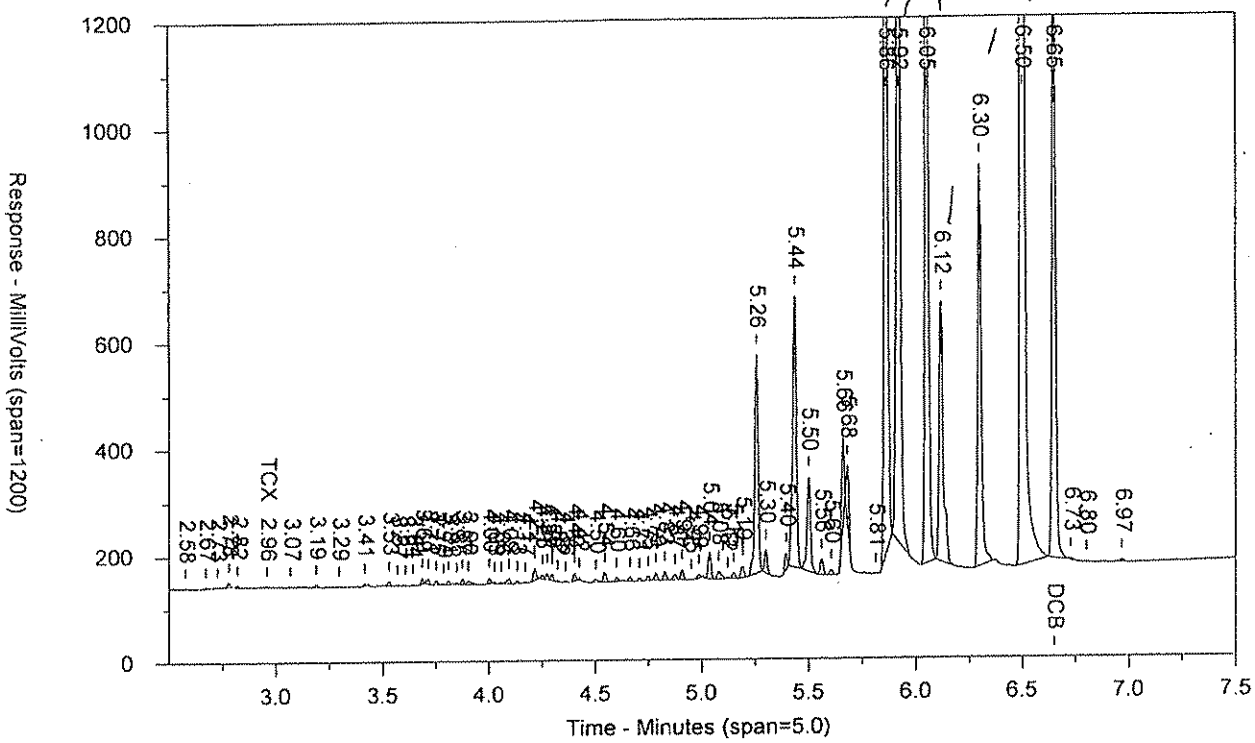

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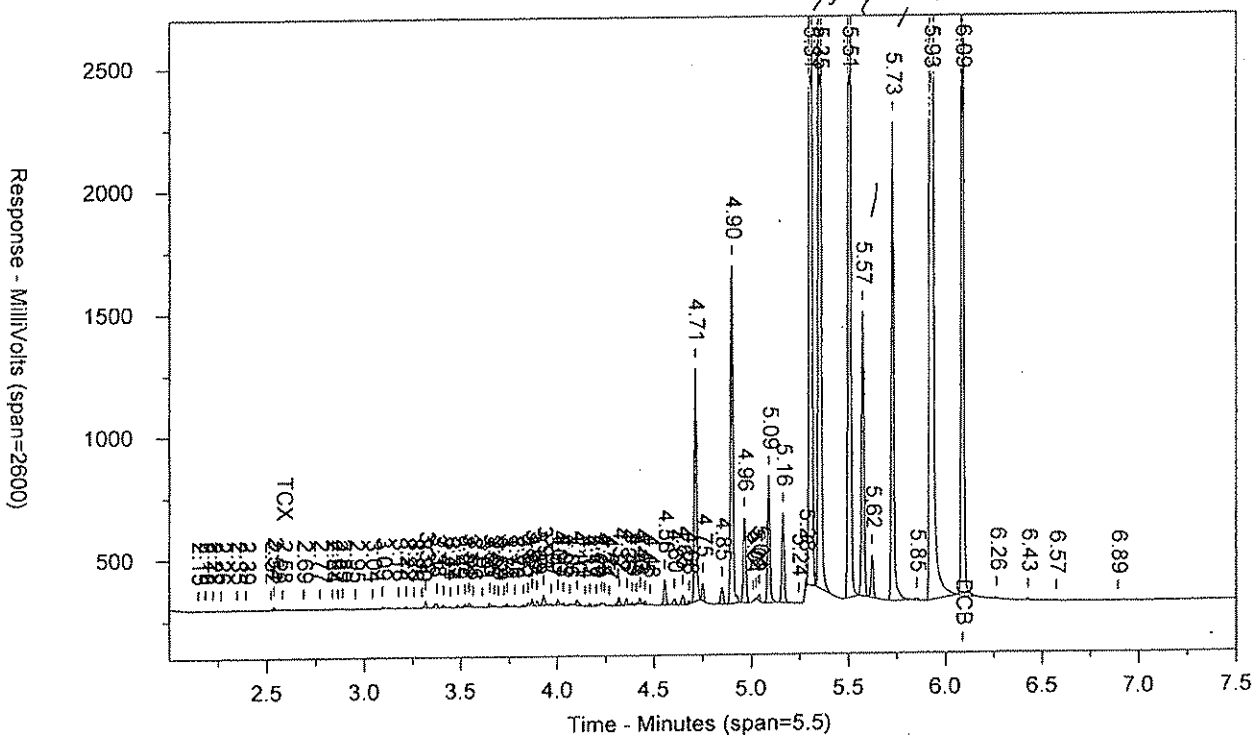

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:06:23 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: 4
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
2.956	1899	.014	TCX	2.581	2561	.01	TCX
6.649	1104106	16.518	DCB	6.087	3222838	16.941	DCB

Files:
Area File: 25pcbs16207001.0023.RAW
Area File: 25pcbs16207001B.0023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:14:54 PM
File Reported On: 7/25/2016 at 9:50:26 PM

AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082

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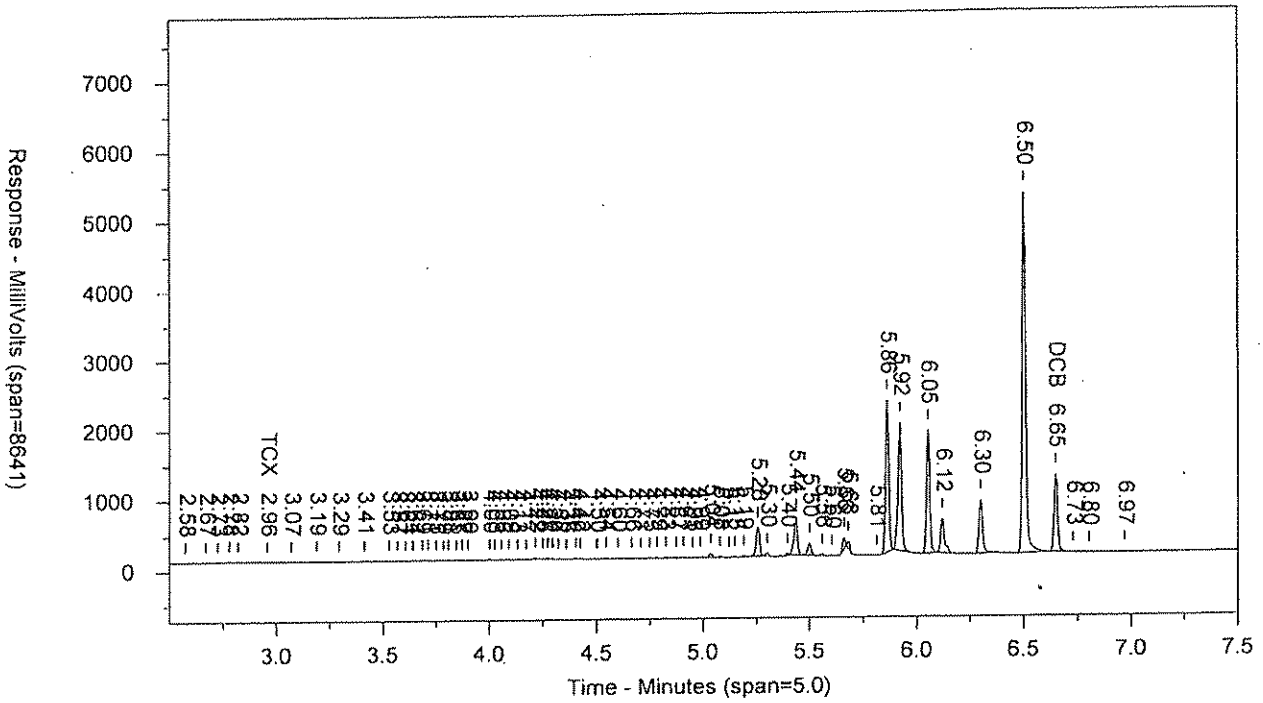

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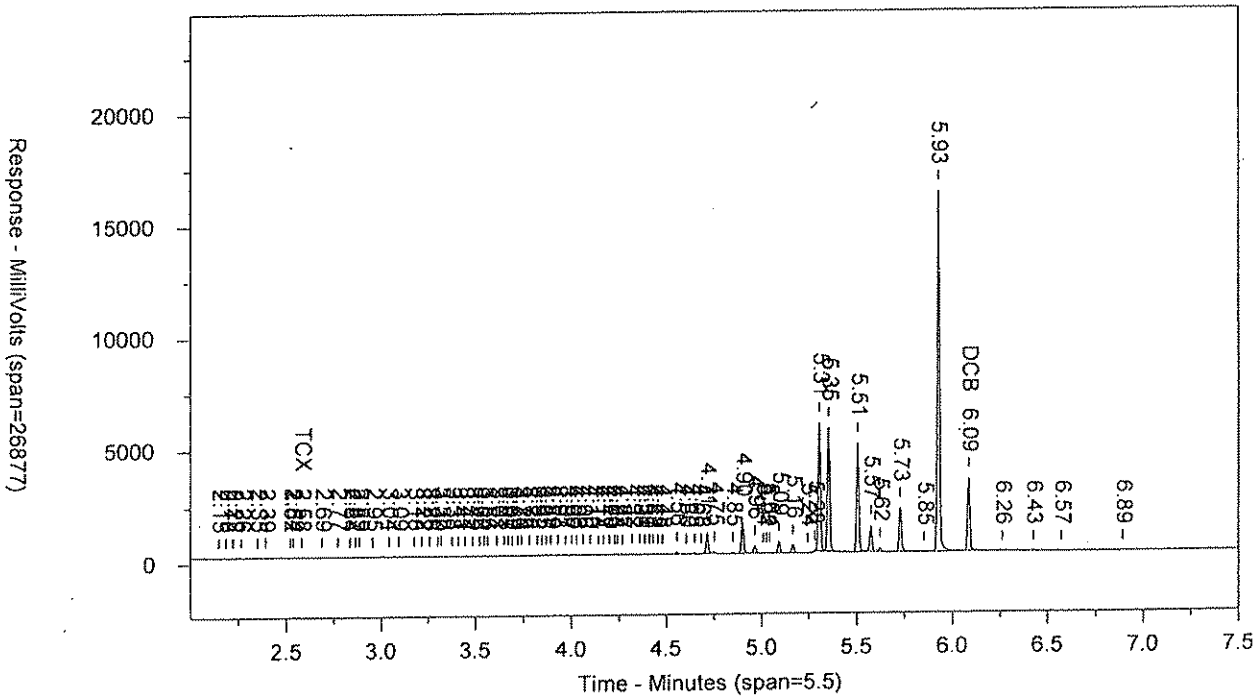

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:18:08 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207001.0024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.092		6763	11719
2.144		1087	3286
2.222		29427	23111
2.314		9850	6025
2.334		10475	6581
2.379		1462	1583
2.418		3922	4168
2.571		203074	148678
2.672		1103	1239
2.78		4181	5495
2.816		4204	4440
2.851		65435	45139
2.932	TCX	5702426	3808285
3.088		234793	198902
3.145		197626	184772
3.194		630231	444541
3.268		13847	8930
3.289		4849	3424
3.413		32659	20007
3.431		23846	38373
3.5		78922	52902
3.53		49881	35888
3.587		6871	5364
3.606		4013	2371
3.644		11344	6388
3.658		11046	5929
3.687		3394	1957
3.704		17953	8724
3.715		46882	24577
3.752		60696	47290
3.812		39969	28681
3.85		2402	1752
3.877		18793	13476
3.905		9507	12523
4.004		15408	11216
4.029		4277	3109
4.059		3744	2707
4.097		18281	18205
4.134		4231	3343
4.177		1881	1991
4.218		21525	22033
4.255		21120	14547
4.276		13238	8247
4.298		12040	7796
4.325		3848	3003
4.366		5099	4454
4.408		27827	28570
4.445		6571	4204
4.508		3502	3535
4.551		9096	8039
4.603		15773	14359
4.635		3561	2257
4.665		27277	24305
4.711		2696	3201

RT A	Compound A	Height A	Area A
4.75		5643	4717
4.787		10285	9949
4.843		902	973
4.879		14080	12700
4.911		6875	5567
4.937		1146	1629
4.989		6074	4730
5.037		1457	1212
5.081		12600	14748
5.152		14971	17136
5.197		15562	19476
5.257		1516	1228
5.303		3591	19890
5.406		4223	6613
5.484		1357	1498
5.522		1443	1367
5.561		10955	10501
5.606		1892	1729
5.683		36539	42792
5.78		1165	1169
5.867		3702	3918
5.915		1639	2658
6.055		44773	46859
6.12		56025	70291
6.302		1305	1516
6.392		644	1413
6.431		1223	1045
6.472		1301	1066
6.503		36751	41117
6.6		881	704
6.652	DCB	2735773	3070867
6.961		1227	2179

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:18:08 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		15258	11967
2.135		1626	2213
2.184		1655	2035
2.226		2001	2577
2.263		1430	752
2.288		292749	198416
2.346		1830	2213
2.453		977	681
2.485		3120	2416
2.514		5071	4925
2.536		6451	3548
2.559		94130	55357
2.601	TCX	10400880	6081513
2.645		101212	81928
2.773		449404	287474
2.818		95886	43140
2.834		286372	155074
2.886		1153637	680855
2.935		22359	13094
2.997		9076	6004
3.074		3619	1599
3.094		45924	21481
3.106		26087	27659
3.136		37999	27248
3.166		7713	4736
3.193		134942	77966
3.217		75835	44835
3.253		6443	3634
3.281		11693	6009
3.3		22878	11484
3.317		38887	21412
3.377		134724	126785
3.411		81495	64250
3.446		2851	1781
3.486		65360	38860
3.521		32041	18325
3.545		20237	11962
3.564		5375	2520
3.611		2184	3876
3.65		27118	16694
3.673		10853	6282
3.725		4248	2424
3.742		33842	20703
3.781		6876	5045
3.828		2452	1702
3.849		13066	7306
3.871		61683	37570
3.896		19946	11475
3.933		44333	42023
3.971		39693	24746
4.003		25279	33563
4.065		8120	8349
4.114		14454	10095
4.148		1406	974

RT B	Compound B	Height B	Area B
4.17		30183	20905
4.204		9613	8500
4.23		46075	33233
4.268		3501	2830
4.321		26413	20770
4.357		3086	1993
4.389		25217	17512
4.414		3442	1844
4.43		8522	5454
4.456		17057	12149
4.555		16405	16651
4.605		14968	12688
4.649		24365	29777
4.684		29337	34315
4.717		2137	2506
4.753		2063	1099
4.832		2262	1644
4.901		4536	3464
4.926		6003	4662
4.972		4176	5056
5.011		1612	996
5.044		14735	11250
5.072		1686	1037
5.093		5449	4020
5.167		59431	56003
5.307		2791	2209
5.352		4731	3805
5.507		75679	65801
5.574		90335	77121
5.624		14793	11250
5.729		3181	3410
5.815		1255	2063
5.883		2636	2779
5.929		67424	55280
5.961		3072	3268
6.047		1190	1488
6.089	DCB	8099971	7181675
6.427		1837	1506
6.546		6835	6294
6.769		1192	941

AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082

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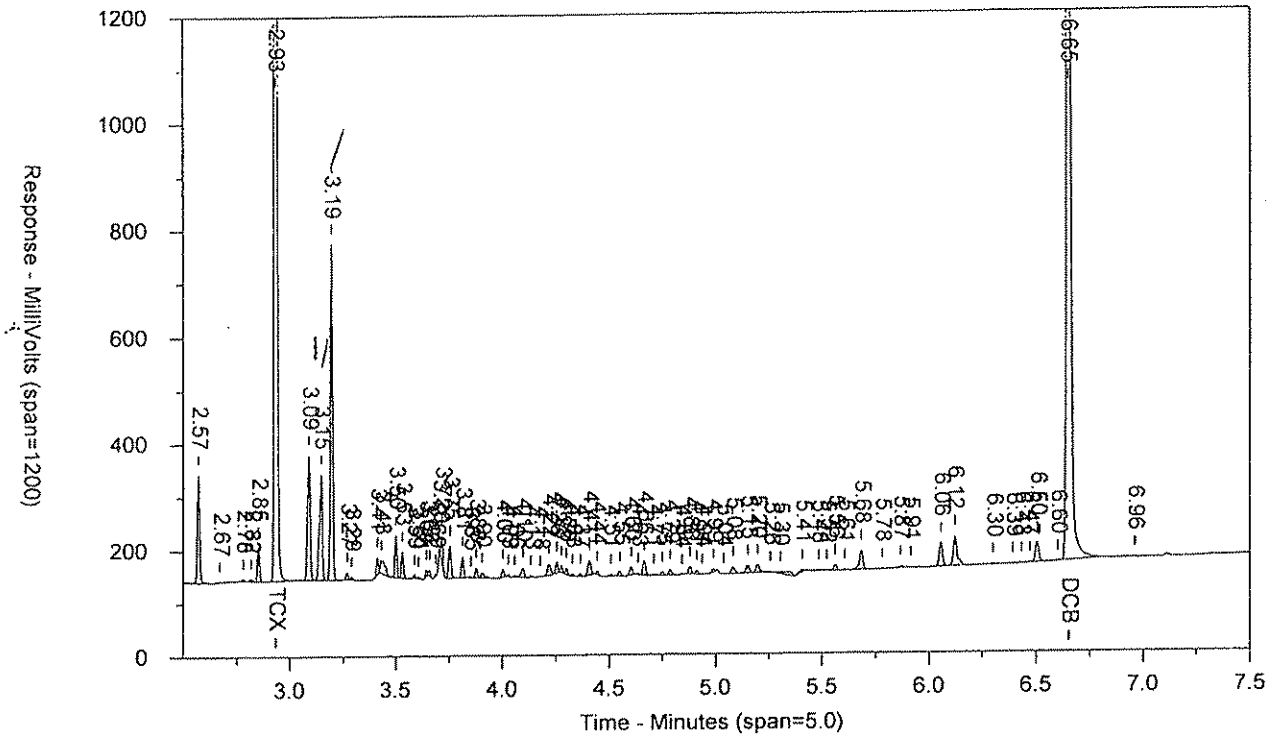

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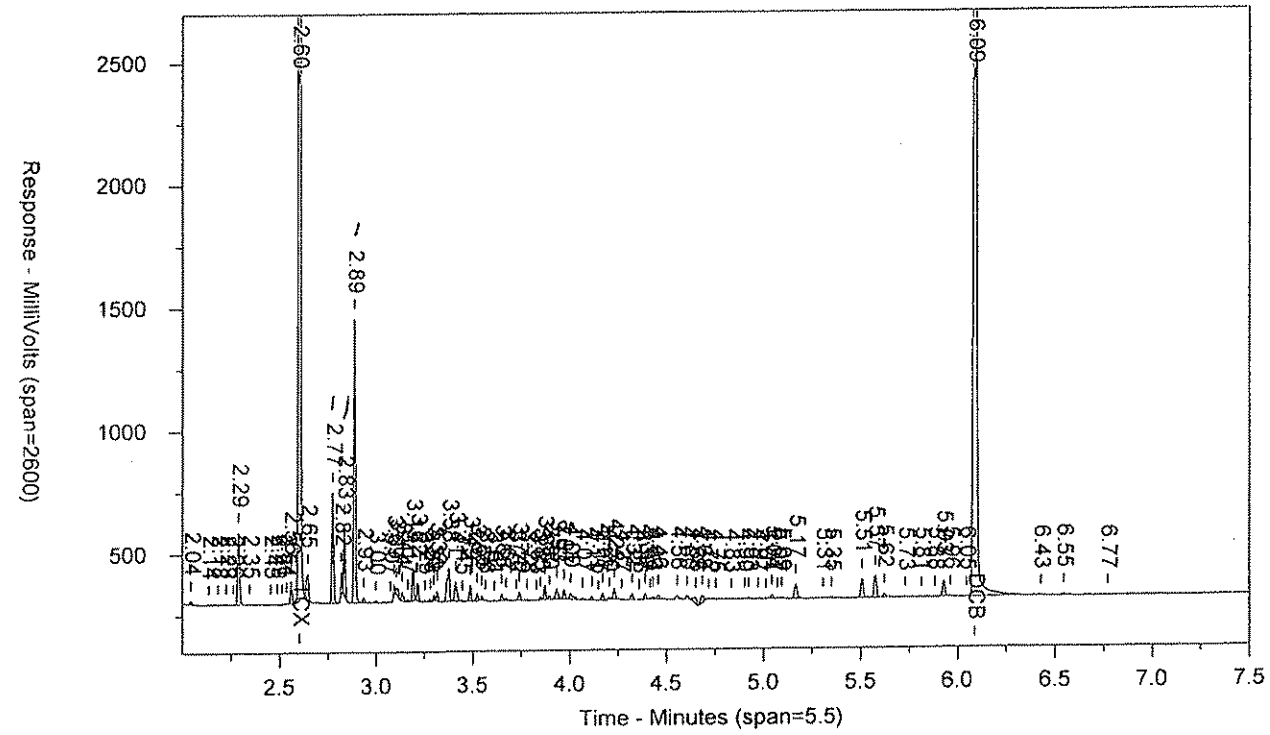

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:18:08 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: 4
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
2.932	5702426	42.148	TCX	2.601	10400880	42.347	TCX
6.652	2735773	40.928	DCB	6.089	8099971	42.578	DCB

Files:
Area File: 25pcbs16207001.0024.RAW
Area File: 25pcbs16207001B.0024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:26:38 PM
File Reported On: 7/25/2016 at 9:50:36 PM

AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082

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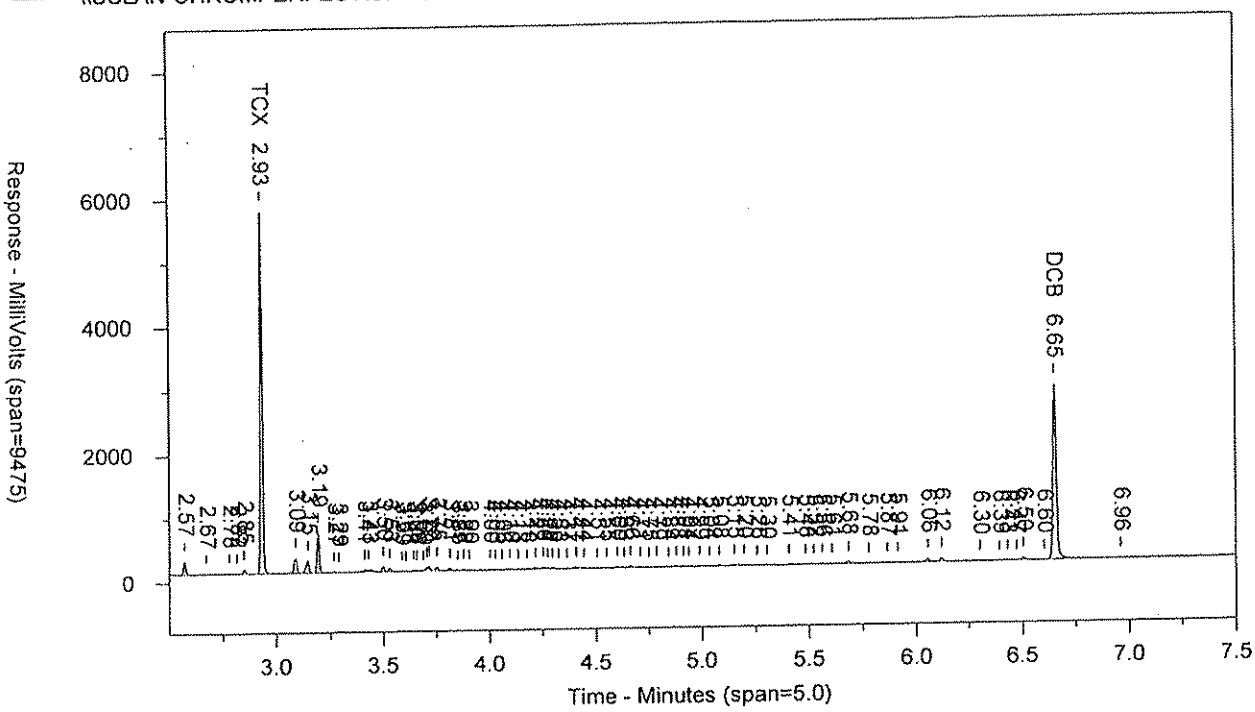

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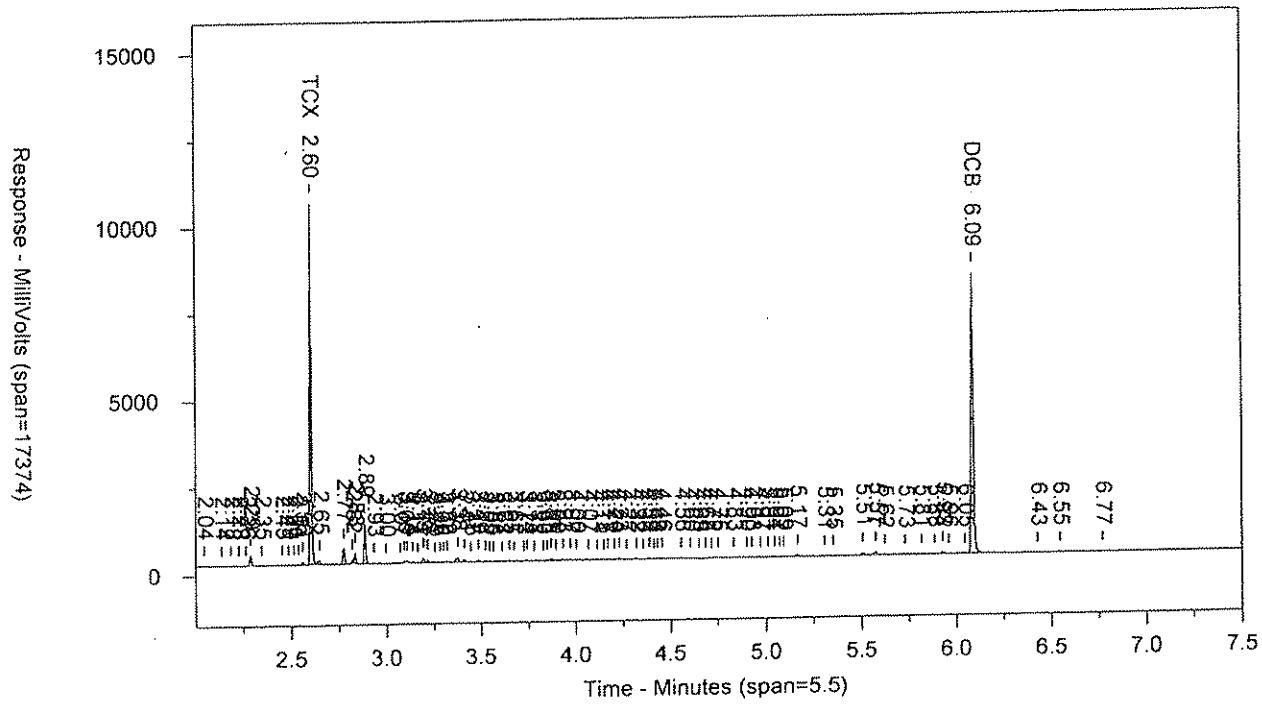

LANCASTER LABORATORIES

Sample Number: AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:29:54 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: 25pcbs16207001.0025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.02		1032	1293
2.092		9813	17879
2.144		2133	3281
2.223		34319	26559
2.315		23469	14451
2.335		11473	6966
2.378		1052	628
2.419		4452	3891
2.494		2872	4665
2.572		145284	107092
2.68		2593	3882
2.78		10816	11309
2.822		4709	4651
2.852		43460	31723
2.933	TCX	6714085	4561514
3.027		2244	2475
3.088		191866	166482
3.146		178018	182190
3.194		612166	441353
3.268		16979	10265
3.289		31724	20987
3.331		743	393
3.348		1728	1385
3.413		250098	153109
3.43		121865	68334
3.467		29782	16097
3.484		8867	3445
3.501		64423	39958
3.531		304863	232388
3.571		1747	1233
3.588		6930	3978
3.607		12518	7858
3.644		74387	42908
3.659		39677	19311
3.704		136867	71951
3.716		290123	150333
3.752		339309	267091
3.812		285417	220779
3.851		26722	18744
3.877		174196	128534
3.905		139848	117910
3.927		48144	26867
4.005		202131	150154
4.029		74860	50834
4.059		86617	62556
4.095		205279	220028
4.135		77109	61737
4.18		15292	13563
4.22		35683	33660
4.255		133169	94352
4.275		170804	111969
4.299		202427	152657
4.359		14386	18132
4.405		155893	127934

RT A	Compound A	Height A	Area A
4.428		81556	67396
4.485		1502	906
4.507		10057	8847
4.55		32305	29085
4.603		49640	43883
4.635		26810	20396
4.665		74521	67149
4.71		3543	2841
4.75		40375	36169
4.787		9676	10487
4.839		6873	6343
4.88		45991	41604
4.909		6241	4831
4.962		3809	3531
4.988		6870	5045
5.04		1821	1588
5.081		51398	52550
5.152		16356	18727
5.198		17178	21909
5.259		3917	2946
5.302		3403	10494
5.423		7421	17860
5.481		2735	2950
5.523		2290	2401
5.562		11245	10258
5.607		2364	2959
5.662		4354	2847
5.683		35609	31059
5.869		7764	9460
5.909		2513	4385
6.055		52881	53322
6.12		61845	77116
6.3		3055	3650
6.369		672	862
6.431		1401	1373
6.473		794	712
6.503		42323	45850
6.651	DCB	3106575	3584339

LANCASTER LABORATORIES

Sample Number: AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:29:54 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: 25pcbs16207001B.0025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		17344	12218
2.148		3033	3717
2.185		6078	5440
2.227		2719	4046
2.288		212044	139821
2.346		2238	1913
2.389		4243	4467
2.447		858	793
2.488		7156	4569
2.515		3726	3743
2.537		18203	10777
2.559		61220	35233
2.602	TCX	12616440	7315330
2.645		96306	73660
2.682		4781	5339
2.774		379717	239756
2.819		116451	54802
2.834		254469	135386
2.866		2218	1285
2.886		1129805	667282
2.935		25736	13839
2.954		3866	2327
2.997		56902	35299
3.042		4453	3455
3.074		1853	673
3.094		568479	532828
3.145		60606	45925
3.167		30159	20087
3.193		114661	63456
3.217		539531	345273
3.253		20312	11768
3.281		13648	6003
3.301		144222	74840
3.316		87097	44142
3.377		1076096	1025176
3.411		575095	427138
3.486		564244	337967
3.522		337789	204069
3.545		396163	217200
3.564		133835	66553
3.615		6019	3832
3.65		441550	282311
3.673		180968	96872
3.694		156314	93738
3.724		110248	55580
3.741		405526	240766
3.781		143502	100947
3.829		24187	16109
3.849		275096	160712
3.871		535502	316970
3.896		458196	278119
3.915		13558	5379
3.933		42174	27602
3.954		10305	4233

RT B	Compound B	Height B	Area B
3.971		90725	54880
4.005		298598	202208
4.032		213817	119096
4.064		3961	1990
4.079		11252	6899
4.113		55513	40688
4.17		101826	72475
4.202		57962	41361
4.23		141815	99734
4.306		12629	6373
4.321		53390	34588
4.357		13537	9261
4.389		85407	61255
4.413		3208	1501
4.429		7824	4858
4.455		17160	11985
4.48		10756	7394
4.554		18852	17852
4.604		82147	62509
4.652		22356	23588
4.683		26845	24060
4.715		5356	4678
4.754		3924	2530
4.831		2128	1664
4.902		10473	7465
4.925		5560	4072
4.972		6801	7206
5.01		2349	1685
5.044		15695	13268
5.074		2463	1394
5.093		14390	11593
5.167		66238	54012
5.307		4383	3513
5.352		12794	17386
5.506		86145	74273
5.574		104339	88059
5.624		17007	14128
5.729		5634	5987
5.884		2788	2308
5.929		74536	63891
5.962		2509	1646
6.052		1071	959
6.089	DCB	9680693	8435190
6.428		1943	2830
6.544		8927	11822
6.788		3228	5448

AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082

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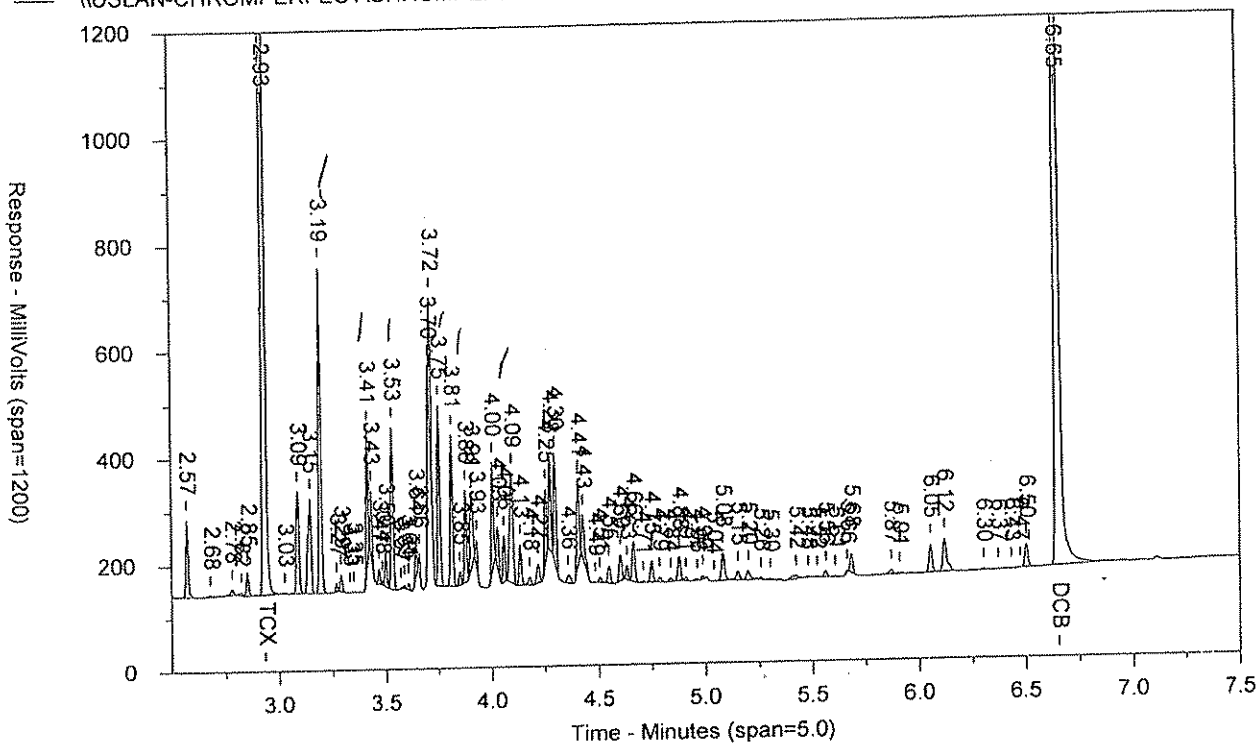

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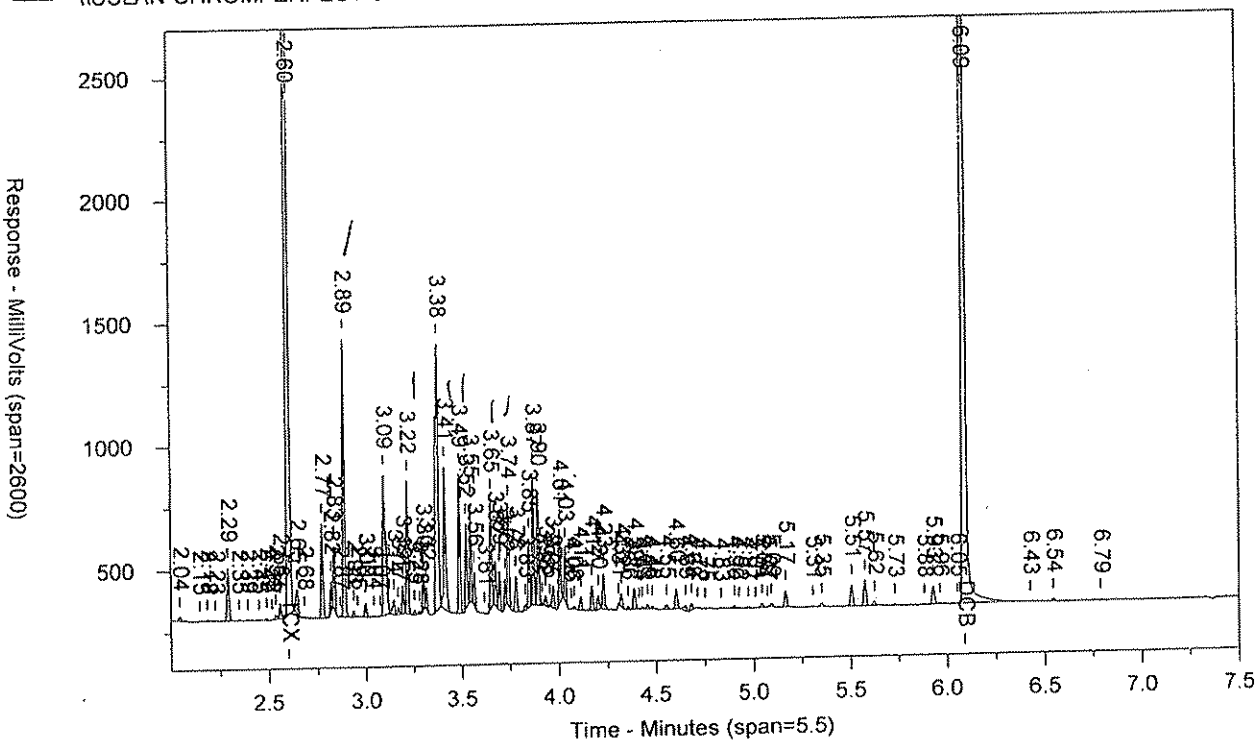

LANCASTER LABORATORIES

Sample Number: AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:29:54 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: 4
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
2.933	6714085	49.626	TCX	2.602	12616440	51.367	TCX
6.651	3106575	46.476	DCB	6.089	9680693	50.887	DCB

Files:
Area File: 25pcbs16207001.0025.RAW
Area File: 25pcbs16207001B.0025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:38:26 PM
File Reported On: 7/25/2016 at 9:50:46 PM

AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082

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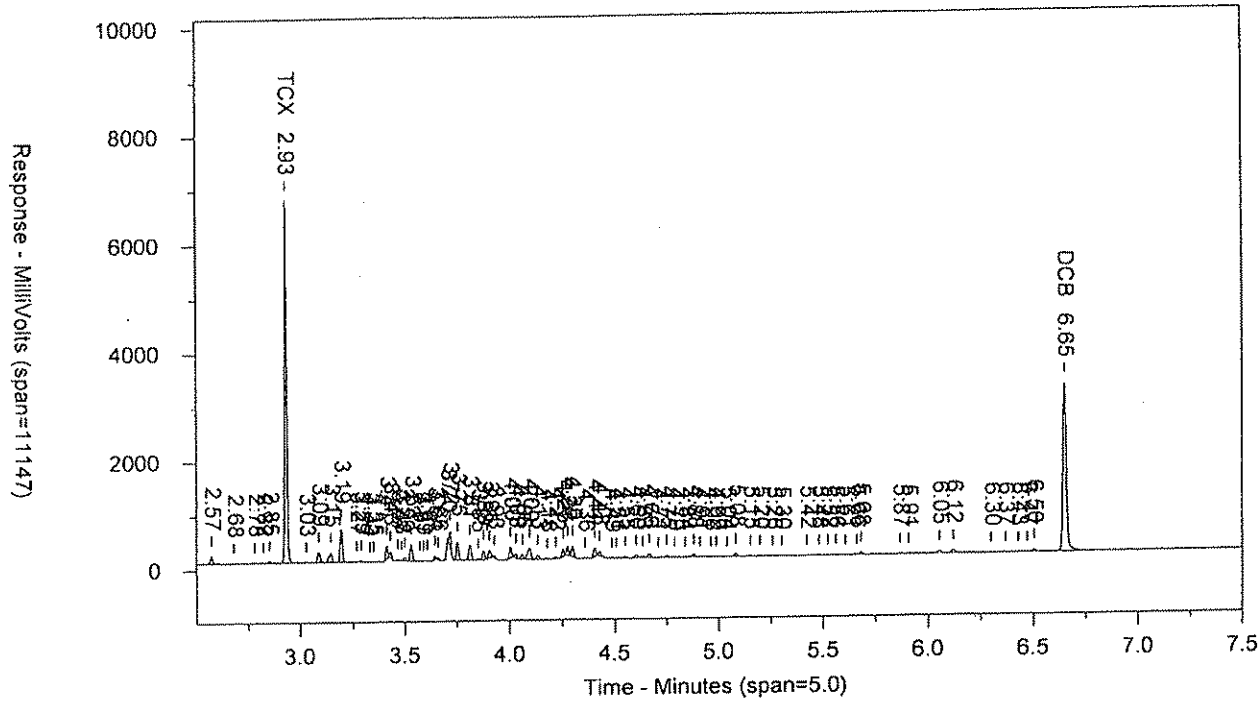

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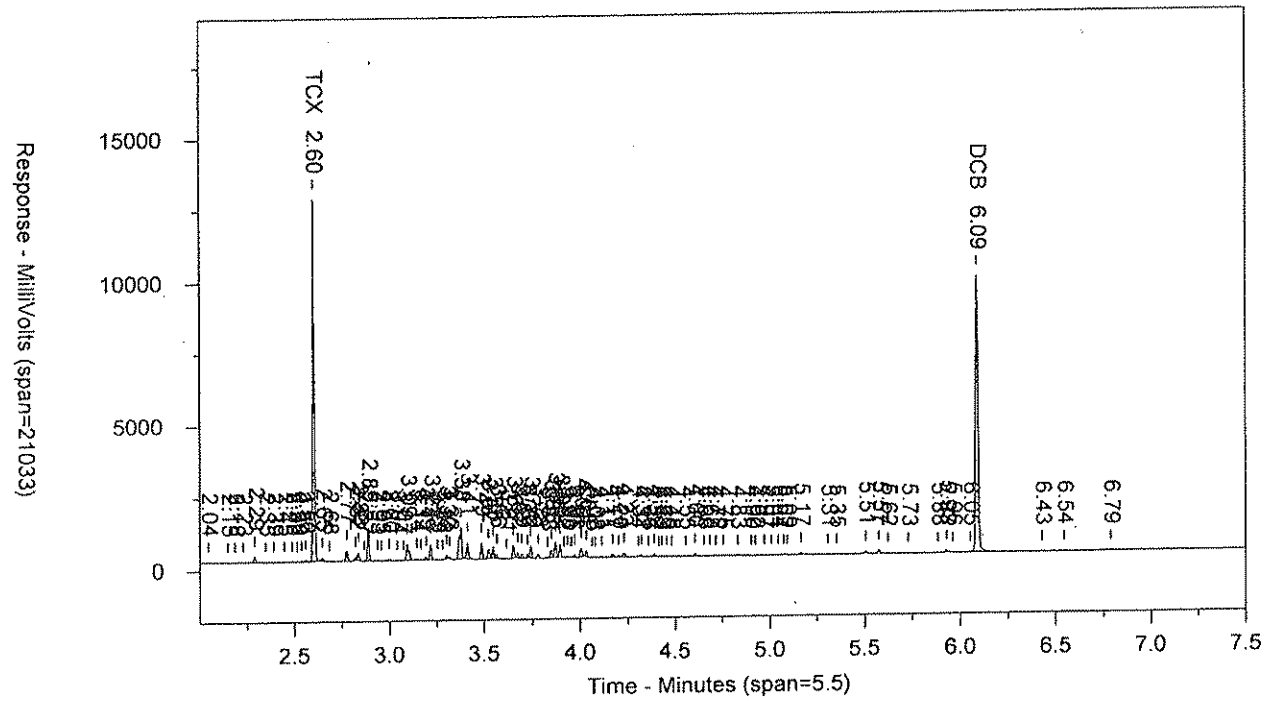

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:41:36 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: 25pcbs16207001.0026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.093		7374	13286
2.222		25854	19752
2.315		12649	7800
2.334		8680	5414
2.379		1270	1223
2.419		3709	3816
2.493		1210	1737
2.572		5633	5294
2.67		1048	779
2.78		11835	11912
2.819		2737	2085
2.851		1511	1269
2.932	TCX	4941404	3313105
3.087		62929	53930
3.145		83533	99988
3.194		334629	242316
3.268		11284	6488
3.288		43875	29558
3.329		1012	666
3.412		315246	200991
3.429		151199	86734
3.467		43705	25296
3.483		13105	5636
3.5		29384	16766
3.531		391943	303199
3.567		2201	1168
3.587		7522	4594
3.606		15853	10138
3.643		89943	52934
3.658		44501	22169
3.715		702328	894040
3.752		436777	348020
3.812		377003	297306
3.85		37117	25694
3.877		254381	189385
3.904		202750	170146
3.927		64844	37550
4.004		288571	214726
4.028		108434	72074
4.058		127942	91619
4.095		290435	314025
4.134		104691	87313
4.18		20547	16827
4.22		44590	40982
4.254		203323	145050
4.275		244743	159571
4.299		290131	216134
4.364		21815	27516
4.405		221612	188897
4.428		113508	102800
4.483		3700	2422
4.507		13123	10334
4.55		57596	52739
4.603		85481	75309

RT A	Compound A	Height A	Area A
4.634		51999	38490
4.664		131071	115108
4.75		64861	57674
4.787		9047	12028
4.838		14042	12705
4.88		89810	84798
4.909		4194	2846
4.961		9327	10017
4.987		7613	5240
5.005		5683	4024
5.08		88606	90387
5.122		2409	1636
5.151		12929	12759
5.197		27074	29470
5.301		991	3299
5.407		11342	18185
5.523		1401	1255
5.561		8285	7933
5.606		5978	5696
5.683		29334	32321
5.815		380	1145
5.869		3356	4339
5.912		962	1560
6.054		36814	38077
6.12		45686	55603
6.429		1050	1315
6.502		31918	36831
6.65	DCB	2349777	2611784
6.952		1065	1667

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:41:36 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: 25pcbs16207001B.0026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		13243	10685
2.146		1639	2206
2.185		1676	1741
2.22		2192	2537
2.288		7571	5526
2.351		1822	1590
2.462		837	1438
2.519		3214	2839
2.536		21521	14059
2.601	TCX	8926274	5272205
2.646		44848	28819
2.773		116458	74396
2.818		87904	42144
2.834		103754	53284
2.886		593372	354679
2.934		19828	12118
2.997		76741	45387
3.093		736741	706468
3.145		84311	50840
3.166		37599	21356
3.192		60228	32267
3.216		734436	460912
3.253		25601	14436
3.28		13052	6052
3.3		192585	97415
3.316		122829	57992
3.366		447144	207379
3.376		759440	322287
3.41		774769	571112
3.485		750070	462903
3.521		520027	315073
3.544		610991	327870
3.563		196298	102477
3.65		673812	428625
3.673		265536	142195
3.693		233039	134227
3.723		165802	83819
3.74		587066	348296
3.781		210688	145786
3.828		39172	25402
3.848		411081	242370
3.87		806516	486345
3.895		678375	426374
3.933		48818	30100
3.953		14437	5847
3.969		162794	99458
4.004		451145	309813
4.031		302146	171259
4.064		3525	1773
4.078		19273	11689
4.112		102190	73985
4.168		181851	128168
4.201		105787	71956
4.228		257528	176627

RT B	Compound B	Height B	Area B
4.265		3792	3378
4.305		16021	8752
4.32		87498	55488
4.355		27334	19141
4.387		181205	125343
4.411		4057	2061
4.427		5348	3210
4.454		19596	12081
4.479		17197	11237
4.551		22164	22008
4.603		158964	123214
4.653		16788	16764
4.681		46670	44737
4.728		5642	3865
4.778		924	869
4.832		2416	2229
4.867		2295	1854
4.901		2267	1405
4.923		17128	13856
4.966		2978	3266
5.006		1455	873
5.042		10882	9016
5.07		8979	6211
5.09		2577	1411
5.165		47038	39428
5.307		2019	2529
5.349		4763	6104
5.505		61289	52548
5.573		73021	62903
5.622		11866	9751
5.732		1234	979
5.882		1696	1633
5.927		54034	44623
5.959		2523	1628
6.051		1052	1092
6.087	DCB	6810453	5985002
6.429		2073	2375
6.542		6738	9204
6.766		860	913

AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082

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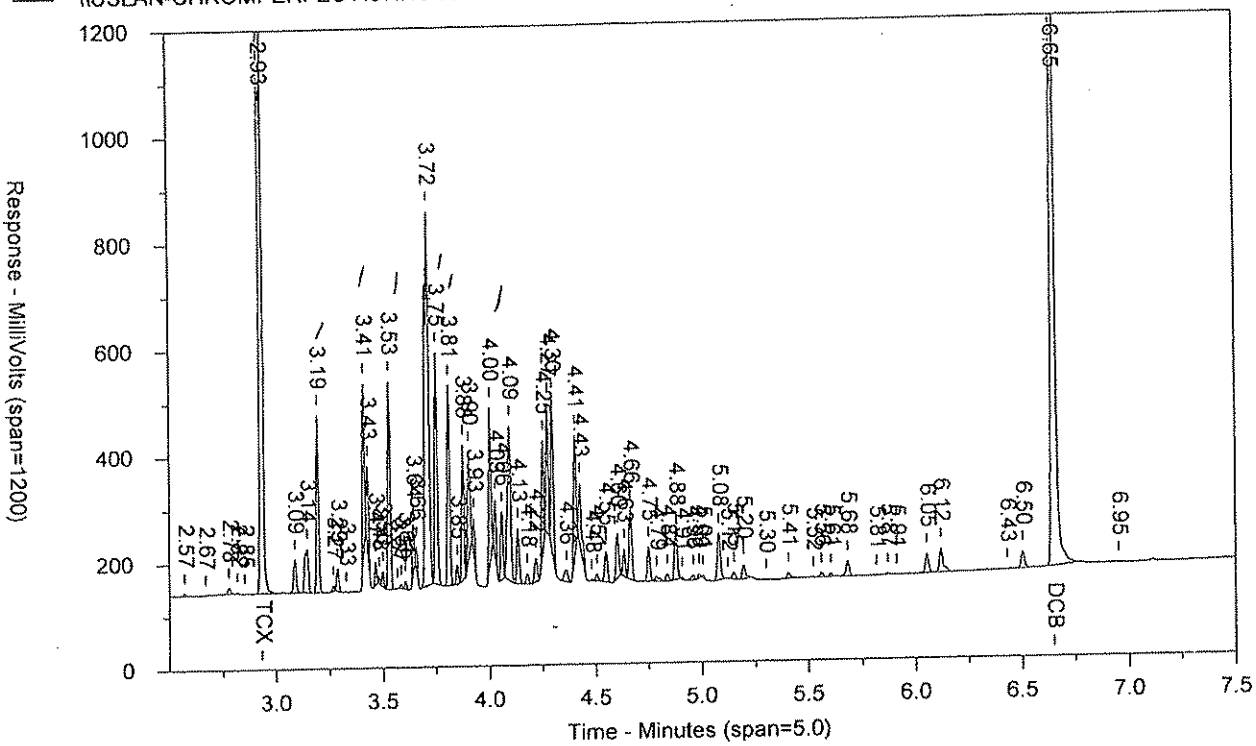

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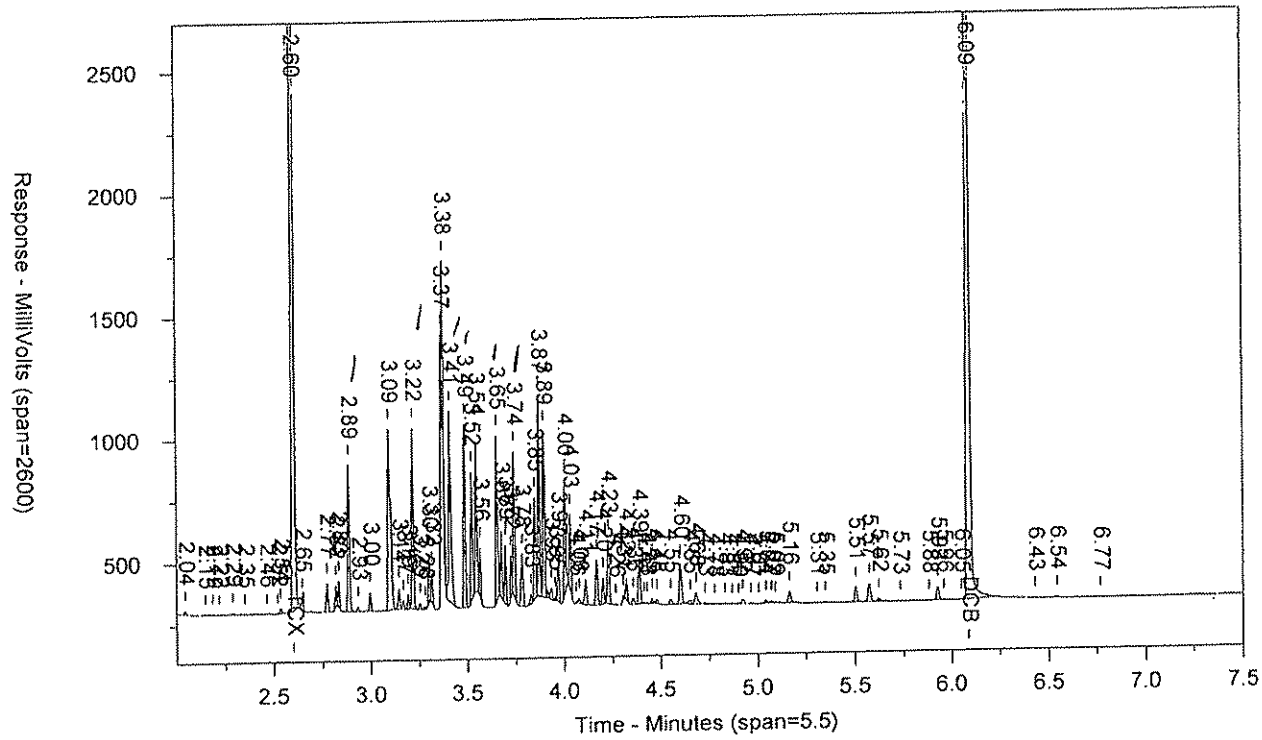

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:41:36 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: 4
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
2.932	4941404	36.523	TCX	2.601	8926274	36.343	TCX
6.65	2349777	35.154	DCB	6.087	6810453	35.8	DCB

Files:
Area File: 25pcbs16207001.0026.RAW
Area File: 25pcbs16207001B.0026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:50:09 PM
File Reported On: 7/25/2016 at 9:51:12 PM

AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082

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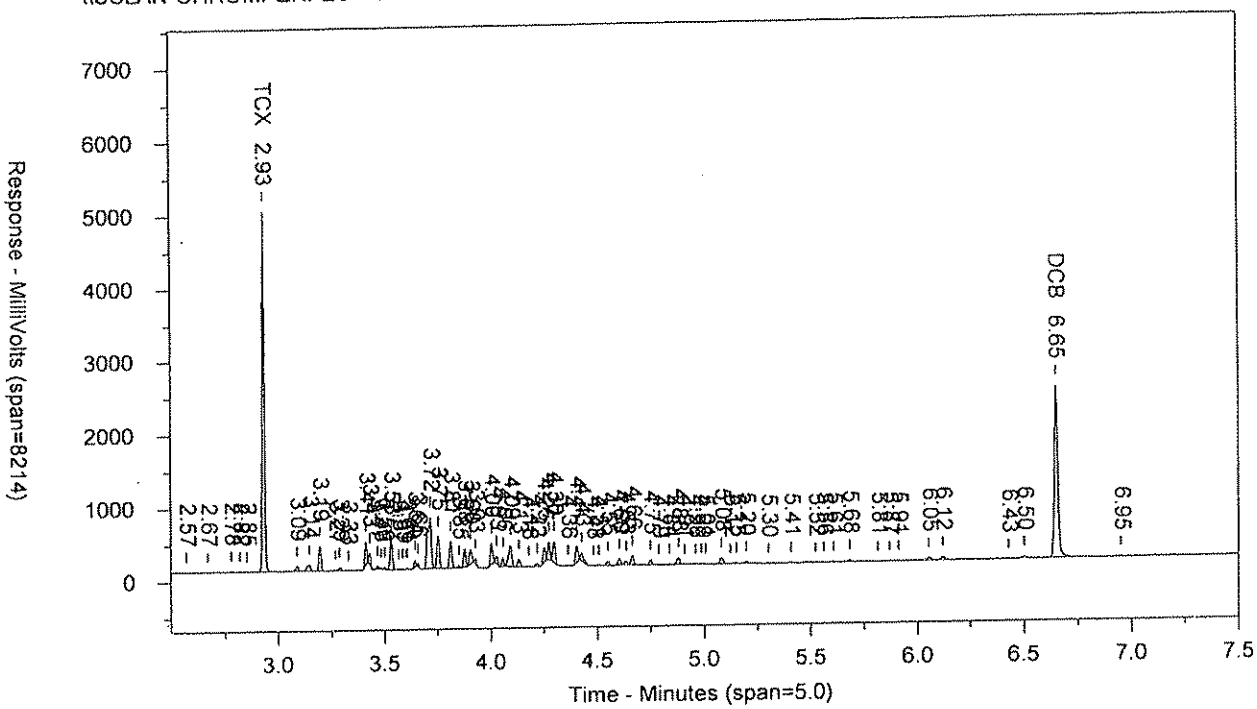

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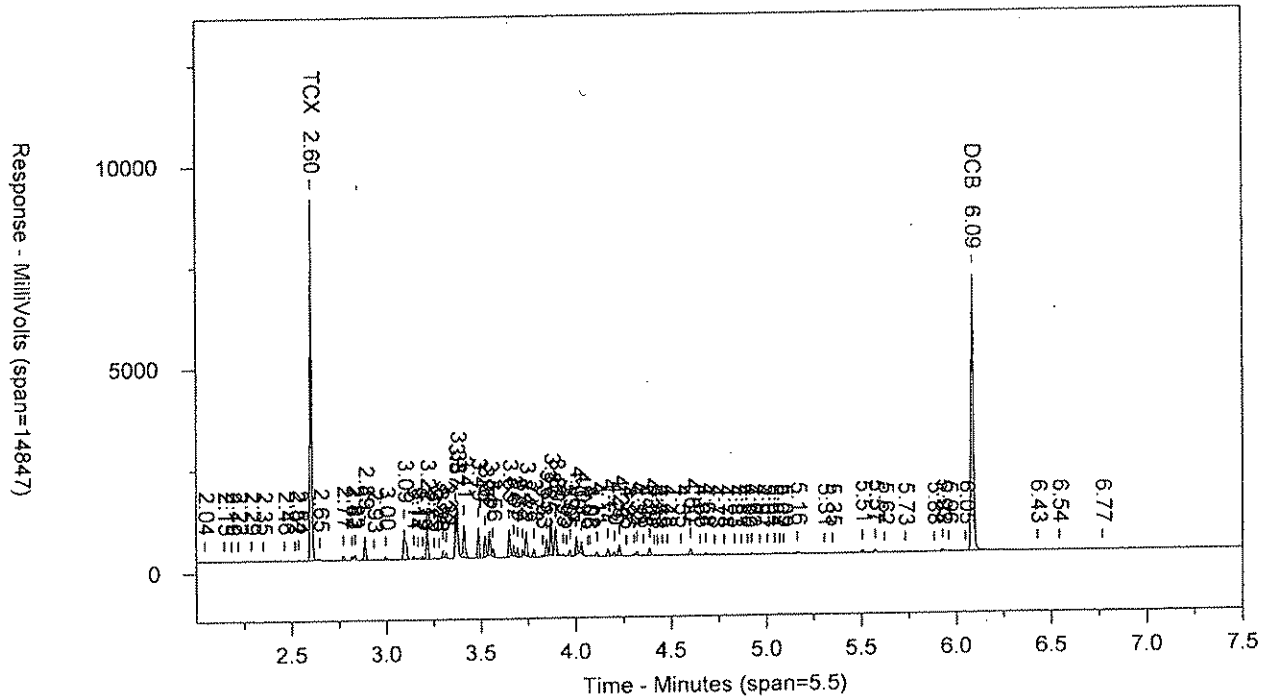

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:53:19 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: 25pcbs16207001.0027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.034		1339	1592
2.093		8306	20753
2.157		6666	16375
2.223		29163	23574
2.316		6566	3921
2.334		10853	6900
2.38		1251	1338
2.419		5857	5400
2.495		1592	2114
2.572		6805	5441
2.679		1889	2316
2.728		638	449
2.777		4316	9003
2.821		5833	6599
2.932	TCX	5753823	3850292
3.087		85543	72136
3.145		112276	124407
3.194		456038	322520
3.268		13242	7613
3.289		63119	41092
3.327		1687	987
3.412		453815	274930
3.429		219787	119576
3.467		60949	35512
3.483		17357	7339
3.5		41189	23196
3.531		543536	411281
3.567		3259	1861
3.586		7593	4598
3.605		19345	12267
3.643		165638	198469
3.704		236018	132639
3.715		528332	267448
3.751		618146	468349
3.811		500501	407246
3.849		53596	36408
3.876		343934	251448
3.904		255519	224417
3.927		91597	52587
4.003		382546	288350
4.027		144003	92951
4.057		165134	120952
4.093		381000	404843
4.134		137832	114597
4.179		20604	16952
4.219		41127	38296
4.253		145128	106098
4.275		118824	79136
4.298		112692	81348
4.362		5037	5848
4.403		38002	33111
4.426		5576	4154
4.509		3175	3868
4.547		1808	1434

RT A	Compound A	Height A	Area A
4.601		3166	3301
4.663		2378	2617
4.751		1746	1858
4.857		1144	1077
4.909		7611	7133
4.953		935	844
5.007		1578	1315
5.081		2216	3622
5.15		14938	16594
5.2		2623	3226
5.44		1158	2865
5.524		1435	4467
5.561		10452	9991
5.683		37306	37749
5.837		938	945
5.871		1052	1049
5.909		1011	2027
6.053		43750	45630
6.118		54306	67736
6.392		673	3035
6.427		1275	1509
6.501		34851	39990
6.648	DCB	2639982	3003403
6.951		1143	1954

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:53:19 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		15688	13374
2.136		1119	868
2.185		3515	2899
2.288		10275	7341
2.346		10124	14170
2.404		5861	23080
2.488		2526	1814
2.535		2217	1337
2.56		2062	1003
2.601	TCX	10582650	6133040
2.646		60055	40627
2.679		1978	3440
2.773		155365	99760
2.819		101557	48963
2.834		145726	74554
2.886		809626	480578
2.934		21868	12038
2.997		105077	63057
3.043		1636	1551
3.093		1037477	964172
3.145		119957	70698
3.167		54124	29137
3.193		81262	44288
3.216		1004014	641888
3.253		31958	17699
3.28		12482	6190
3.3		254258	134802
3.316		148758	73143
3.366		573515	267762
3.376		1161206	493027
3.41		1026573	784225
3.485		1076183	652776
3.521		719070	430540
3.544		814003	447756
3.563		272356	140409
3.649		928926	589362
3.672		366312	195739
3.693		328104	190691
3.723		220335	114179
3.74		777524	459726
3.78		277700	186997
3.827		31851	24528
3.848		210341	125608
3.87		439301	274334
3.895		208570	124069
3.914		27507	12655
3.932		28878	17878
3.969		17073	9920
4.004		24781	13628
4.018		21598	17059
4.064		8025	10823
4.144		1889	1168
4.168		3742	2928
4.201		3562	3025

RT B	Compound B	Height B	Area B
4.227		3135	1747
4.322		3224	3456
4.387		3280	2333
4.428		10307	7852
4.48		4249	4832
4.554		2203	1952
4.605		4119	3631
4.654		21725	14850
4.683		1645	1356
4.753		2446	1759
4.775		1789	1765
4.9		1655	1480
4.966		2995	3197
5.044		14523	14036
5.073		1443	1279
5.165		58412	57760
5.31		1715	1952
5.357		1544	1463
5.506		70705	62555
5.574		86065	75289
5.623		14845	11755
5.728		1672	2556
5.88		1851	2241
5.927		61127	52629
5.957		2189	1623
6.088	DCB	8090898	6987147
6.425		1833	2191
6.542		7158	6627
6.82		1126	1905

AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082

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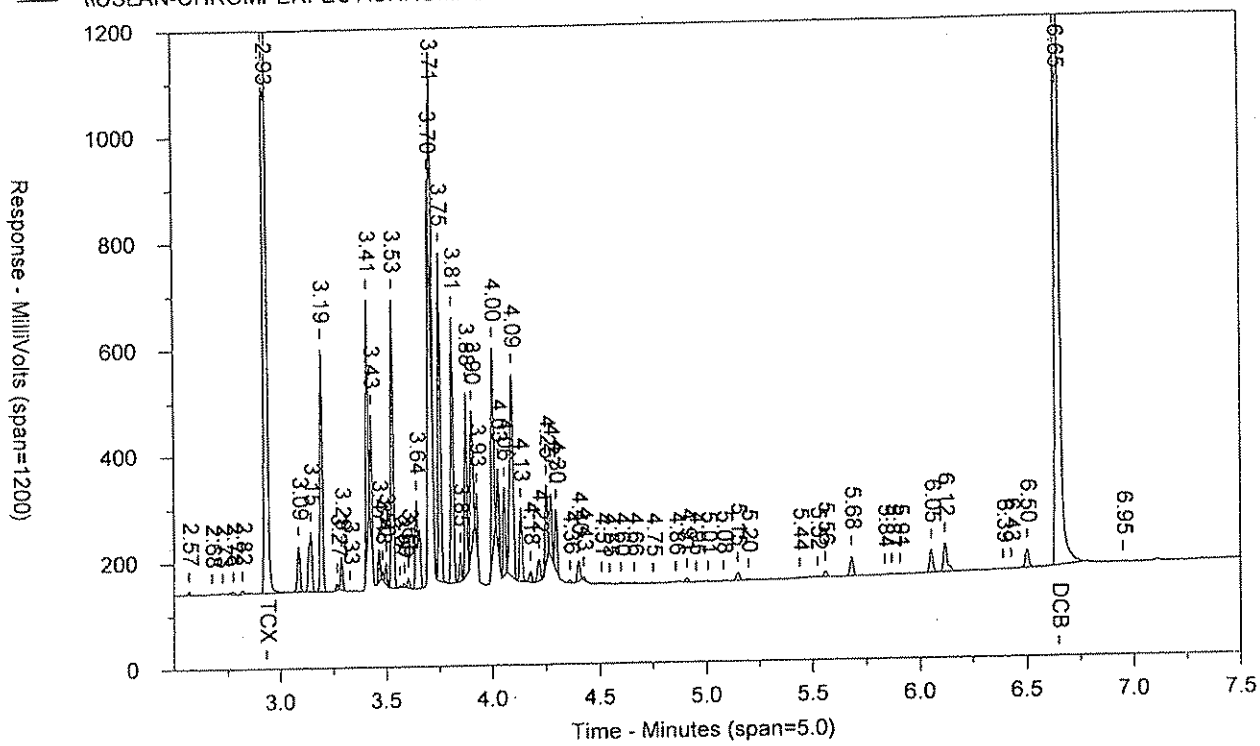

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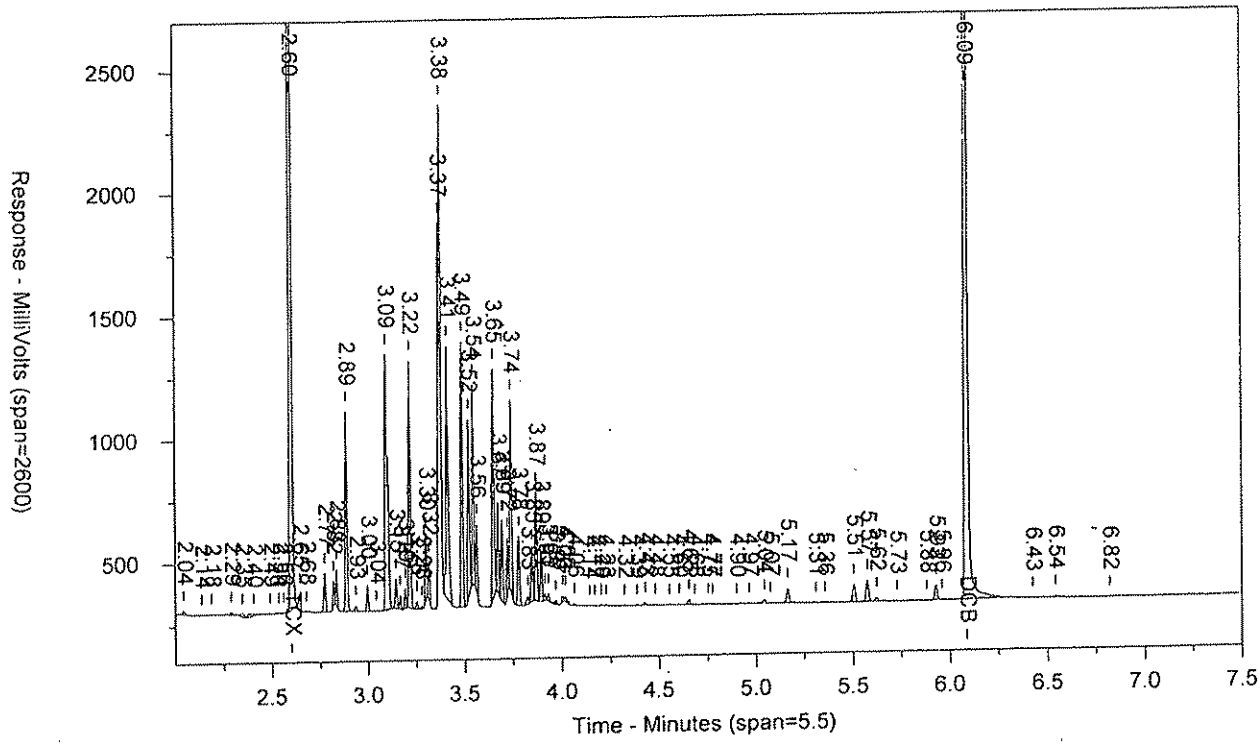

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:53:19 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: 4
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
2.932	5753823	42.528	TCX	2.601	10582650	43.087	TCX
6.648	2639982	39.495	DCB	6.088	8090898	42.53	DCB

Files:
Area File: 25pcbs16207001.0027.RAW
Area File: 25pcbs16207001B.0027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:01:52 PM
File Reported On: 7/25/2016 at 10:02:01 PM

AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082

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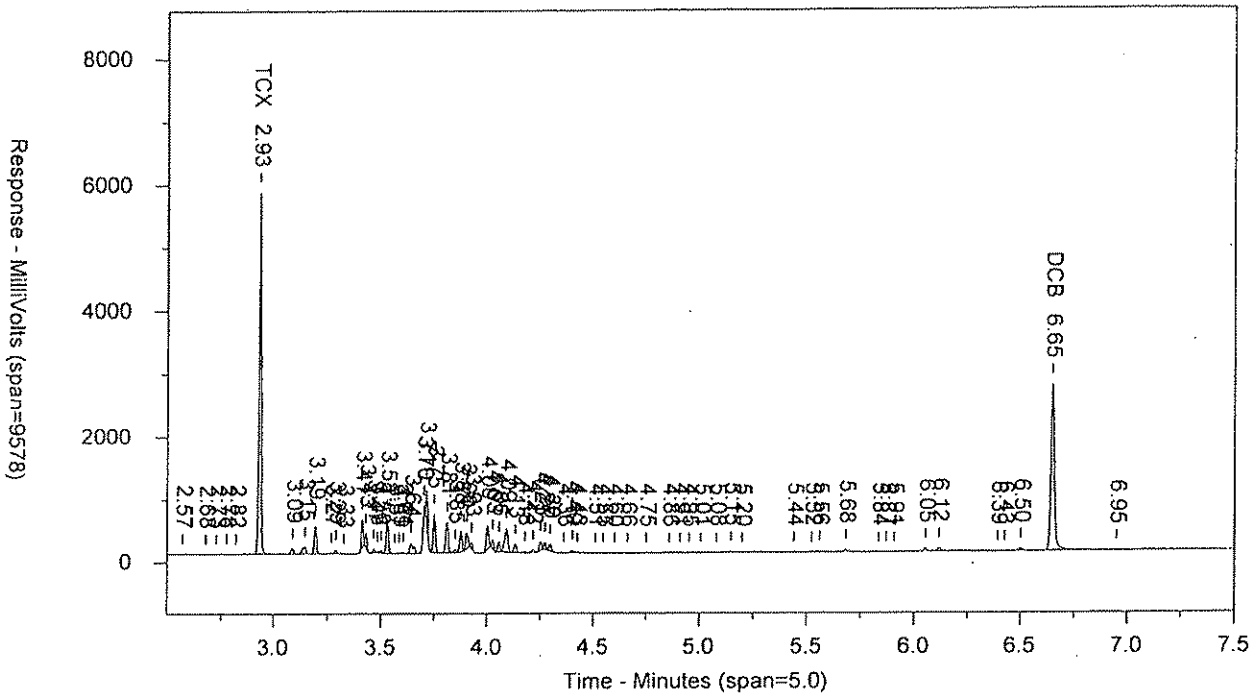

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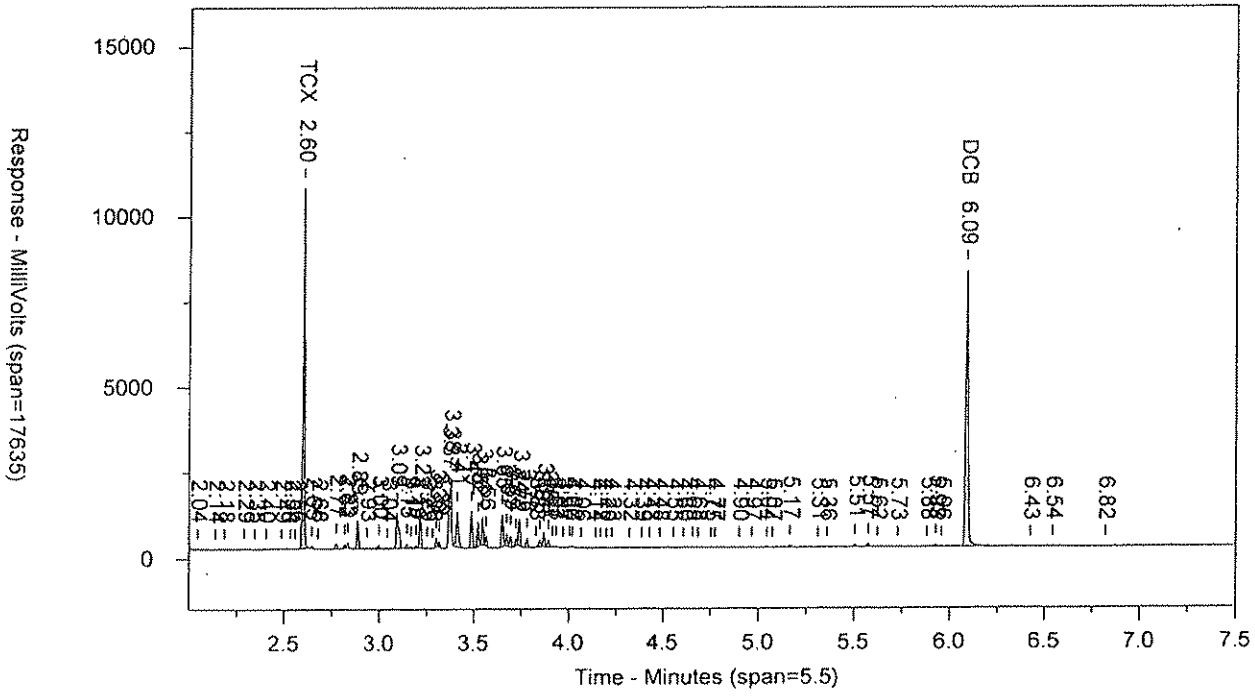

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:04:59 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207001.0028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.04		1075	1705
2.091		5857	12111
2.154		2141	4108
2.314		14568	10247
2.377		1058	1090
2.417		5681	4879
2.575		1056	1062
2.669		1237	1145
2.726		754	471
2.779		4964	4764
2.82		4727	3798
2.932	TCX	137606	100157
3.087		5084	5248
3.145		6753	5587
3.193		33431	25586
3.288		4435	4402
3.411		32310	20028
3.428		15888	8664
3.465		3620	1996
3.499		2312	1388
3.529		41845	31017
3.567		1970	2501
3.605		1571	1033
3.641		8230	4808
3.656		3788	1876
3.713		67844	87975
3.75		43285	32407
3.809		34232	26774
3.847		5017	3839
3.875		26274	19036
3.903		19802	16622
3.924		5698	3324
4.002		28617	21096
4.026		10655	6511
4.056		11332	8171
4.092		25798	28154
4.132		9827	7731
4.172		2873	3165
4.215		21598	20930
4.252		26495	20143
4.273		7373	4350
4.296		6473	4352
4.32		3434	2712
4.363		4118	3734
4.407		28419	26768
4.504		2867	3372
4.546		2910	2815
4.615		11520	16730
4.661		17595	15349
4.707		26642	29808
4.744		6218	4551
4.784		58936	57035
4.875		8259	10961
4.932		10539	9771

RT A	Compound A	Height A	Area A
4.985		64226	86241
5.035		13545	12086
5.078		31521	37175
5.158		6163	7481
5.194		76296	90819
5.256		40928	37270
5.299		24930	25107
5.42		50015	69146
5.478		23646	23230
5.519		12920	11772
5.558		2406	2218
5.604		14683	15901
5.66		101097	124909
5.866		59534	65184
5.905		17498	33509
6.054		2597	2817
6.116		1997	1516
6.139		11250	10141
6.298		28033	30316
6.342		1340	1150
6.5		7513	8090
6.612		295	1240
6.646	DCB	97083	108926
6.952		1524	5882

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:04:59 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: 25pcbs16207001B.0028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.149		1341	971
2.184		2723	2491
2.228		1704	1652
2.351		2044	2480
2.379		1242	1088
2.401		2047	1777
2.52		1709	1196
2.536		7395	5361
2.601	TCX	206492	121744
2.644		3573	2559
2.693		2563	4790
2.773		9251	5502
2.819		1532	726
2.834		10738	5773
2.886		49827	29501
2.966		1068	1078
2.996		5422	3496
3.038		813	915
3.093		66067	59941
3.144		6596	3543
3.165		2505	1608
3.192		4606	2619
3.216		61723	38350
3.252		2238	2160
3.299		14608	7811
3.316		14646	8206
3.375		109701	112183
3.409		63204	48747
3.484		59987	37860
3.52		45457	27936
3.543		49982	28231
3.562		15854	7805
3.608		1455	2171
3.648		54501	33962
3.671		21160	11280
3.692		17879	10056
3.722		13070	6788
3.739		46339	26349
3.779		16638	11010
3.825		2981	2538
3.847		12414	6791
3.868		60834	37985
3.894		11992	6833
3.931		43216	38833
3.968		47828	30272
4.002		3509	1898
4.017		3512	1623
4.062		8284	7481
4.109		3929	4348
4.167		13177	9195
4.21		13376	8263
4.227		14114	6330
4.24		36011	19959
4.265		18990	18952

RT B	Compound B	Height B	Area B
4.317		113156	81091
4.364		1589	1439
4.386		9038	5813
4.41		22894	16978
4.452		128013	91049
4.553		97603	93261
4.606		12973	10052
4.645		26493	23457
4.68		121760	97967
4.712		62281	44245
4.75		42074	32982
4.847		14215	13897
4.899		79712	61378
4.922		9069	5488
4.972		41338	36821
5.007		20140	15277
5.036		13768	11091
5.069		4499	2311
5.09		166555	140483
5.132		3008	2356
5.163		7588	6168
5.28		1568	845
5.305		38037	31657
5.349		115874	132031
5.504		3517	3001
5.55		2170	1740
5.57		3144	2561
5.622		20034	16619
5.727		47287	39051
5.756		1945	1538
5.802		1034	1442
5.927		14563	13265
6.086	DCB	183983	164250
6.315		1338	1704
6.426		1077	1458
6.57		2068	3933
6.693		1171	1317
6.883		1340	2000

MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082

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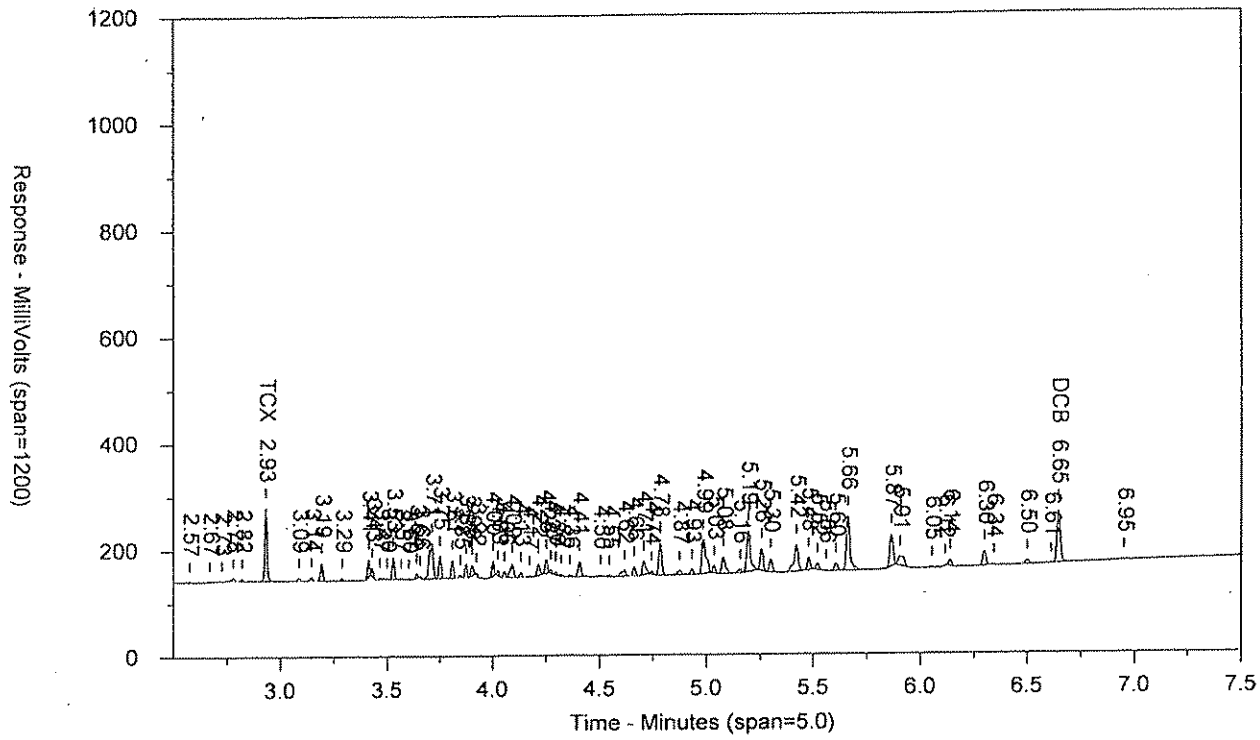

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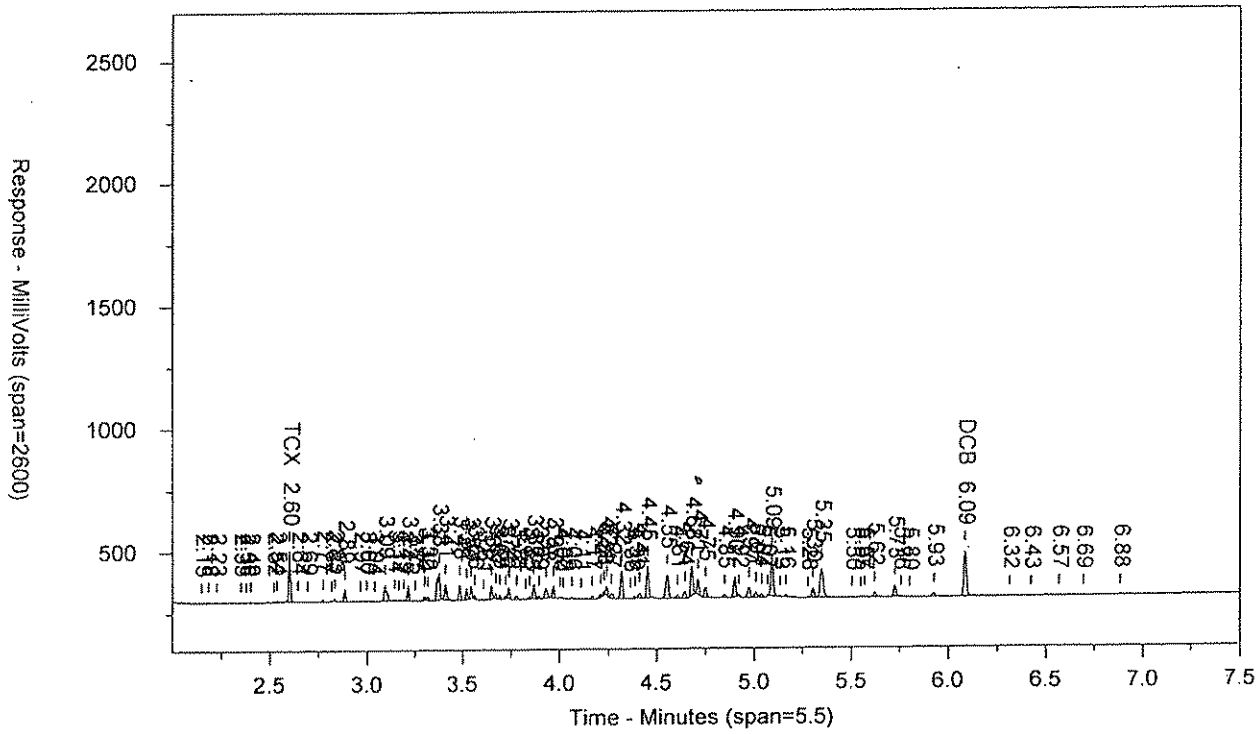

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:04:59 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: 4
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
2.932	137606	1.017	TCX	2.601	206492	.841	TCX
6.646	97083	1.452	DCB	6.086	183983	.967	DCB

Files:
Area File: 25pcbs16207001.0028.RAW
Area File: 25pcbs16207001B.0028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:13:32 PM
File Reported On: 7/25/2016 at 10:13:39 PM

MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082

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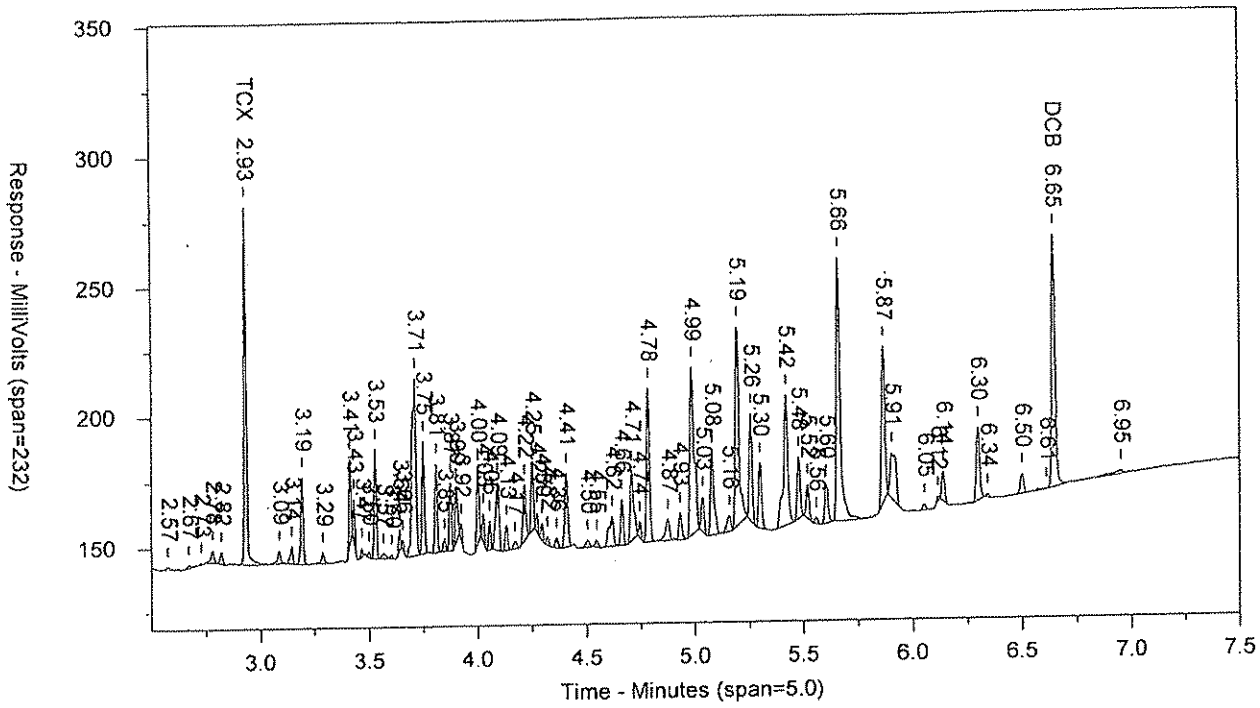

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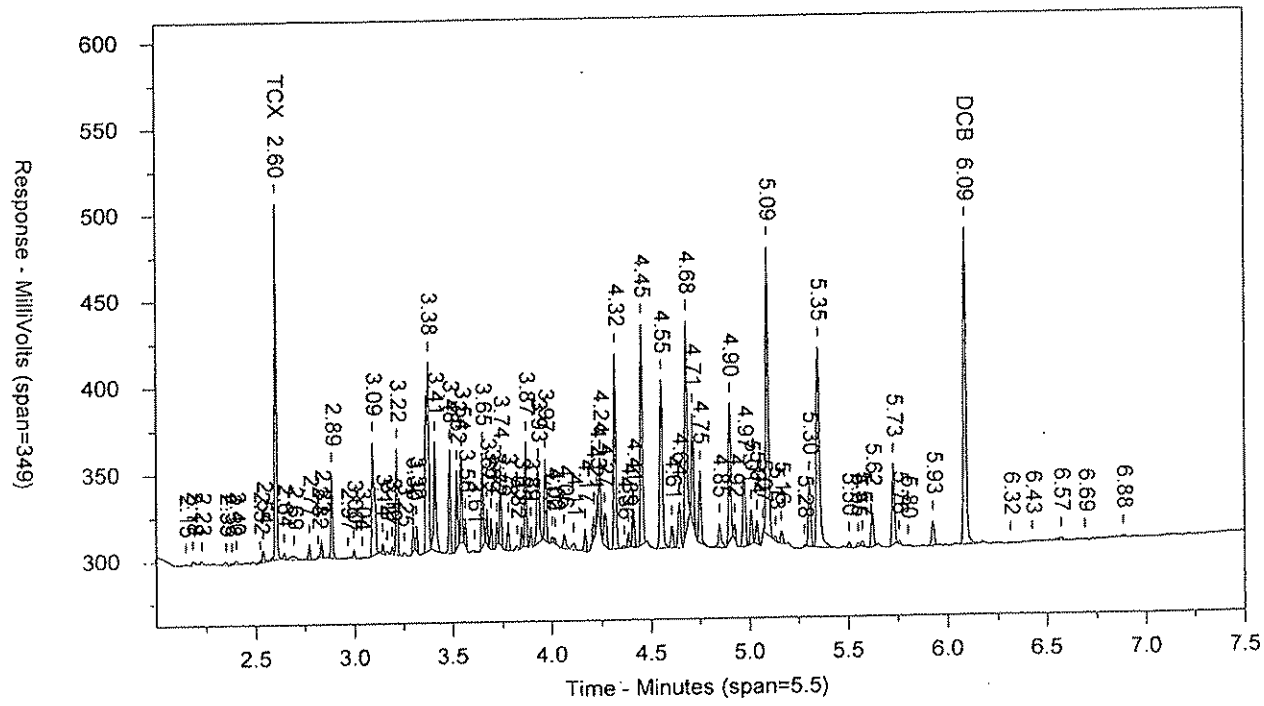

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:16:45 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: 25pcbs16207001.0029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.092		6535	12680
2.152		2291	5118
2.222		29469	22736
2.314		12439	7468
2.334		10503	6321
2.379		1269	1382
2.418		3882	3918
2.572		7042	6066
2.67		1338	1269
2.725		2720	2087
2.78		7961	8990
2.82		3187	2661
2.852		2034	1655
2.932	TCX	5701929	3796616
3.086		86808	73923
3.144		114634	126093
3.194		465686	334101
3.267		12578	7420
3.288		68068	45227
3.327		1603	1197
3.412		490094	295832
3.429		235602	129936
3.467		69879	58369
3.499		40705	23495
3.53		581899	443483
3.566		3355	1875
3.586		10727	6395
3.605		21701	14029
3.642		182941	210747
3.703		223279	141087
3.714		565139	288796
3.751		642920	507626
3.81		550158	441815
3.849		55936	38660
3.875		381224	285869
3.904		291071	248414
3.926		90346	50509
4.003		423813	305652
4.026		144994	94822
4.057		165063	120696
4.093		339644	368440
4.133		114448	91162
4.179		11729	10060
4.217		32520	29751
4.253		325150	262057
4.274		53148	28757
4.298		66725	47941
4.365		61351	53013
4.408		381396	355793
4.442		11473	6896
4.506		5965	5488
4.547		46632	48010
4.602		28686	19895
4.616		103955	73299

RT A	Compound A	Height A	Area A
4.662		227976	215312
4.708		392244	441110
4.746		96054	72618
4.785		798992	781170
4.827		7380	6363
4.876		113865	135475
4.907		11627	7573
4.933		156531	150038
4.986		849371	1161631
5.036		196758	180326
5.079		469913	547615
5.121		6977	3884
5.158		104359	127989
5.195		999912	1179295
5.257		530287	496132
5.3		347637	353429
5.421		689004	970275
5.48		321972	321406
5.52		176733	161204
5.56		49472	46839
5.605		227411	230001
5.661		1372362	1658286
5.868		773800	862906
5.92		237988	451885
6.053		70301	72903
6.118		45922	33754
6.141		154887	144756
6.299		378463	416758
6.344		25707	23378
6.501		162277	192386
6.649	DCB	2624013	2947810
6.955		1242	2083

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:16:45 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: 25pcbs16207001B.0029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		15681	11925
2.145		1649	2464
2.186		1368	1683
2.288		8972	6177
2.399		2408	1340
2.484		4233	8692
2.52		3545	3333
2.536		12383	7402
2.559		1435	698
2.579		2671	1178
2.601	TCX	10779800	6063711
2.646		63923	42889
2.692		2383	2158
2.773		158470	101665
2.819		104906	48349
2.834		150762	76974
2.886		845421	500093
2.934		21934	12781
2.997		112693	68605
3.093		1128920	1049203
3.145		129035	77422
3.166		55804	31983
3.192		84258	45422
3.216		1096098	692645
3.253		36970	20655
3.28		16793	8087
3.3		272819	144672
3.316		185836	94016
3.366		682720	294879
3.376		1259316	516147
3.41		1151431	850566
3.485		1188184	710623
3.52		800106	488768
3.544		917599	502091
3.562		298844	153703
3.649		1001898	634587
3.672		378671	200824
3.693		319402	183234
3.722		230809	118731
3.739		666599	383283
3.78		221280	144118
3.826		23695	23833
3.848		101801	56557
3.869		824815	519623
3.894		115050	66310
3.914		14490	6553
3.933		131445	86699
3.969		803744	526291
4.002		43228	25230
4.017		43293	27924
4.063		5987	3457
4.111		57530	63388
4.168		196579	133570
4.211		237864	142011

RT B	Compound B	Height B	Area B
4.228		187138	87466
4.242		645365	364505
4.266		362374	345499
4.318		1971911	1434824
4.365		25738	24541
4.387		133327	85619
4.411		419481	301208
4.453		2276337	1681259
4.555		1895102	1708404
4.608		229704	182285
4.646		479950	420893
4.681		2277290	1815223
4.713		1172781	798198
4.751		803049	587075
4.809		2441	1779
4.849		269501	251027
4.9		1500706	1154034
4.923		158693	99355
4.973		776430	673243
5.007		384921	289702
5.037		283898	226247
5.069		80172	48412
5.091		3468559	2733184
5.132		56118	38927
5.164		161254	124835
5.282		35034	21507
5.305		696869	556509
5.35		2191503	2374540
5.505		125223	104872
5.55		43952	31867
5.574		94812	70581
5.621		389164	340254
5.727		867085	713896
5.759		38518	27331
5.927		350576	305522
6.088	DCB	7776003	6772504
6.262		3929	3032
6.428		1829	2840
6.543		6592	5890
6.716		1349	1866
6.817		924	1755

IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082

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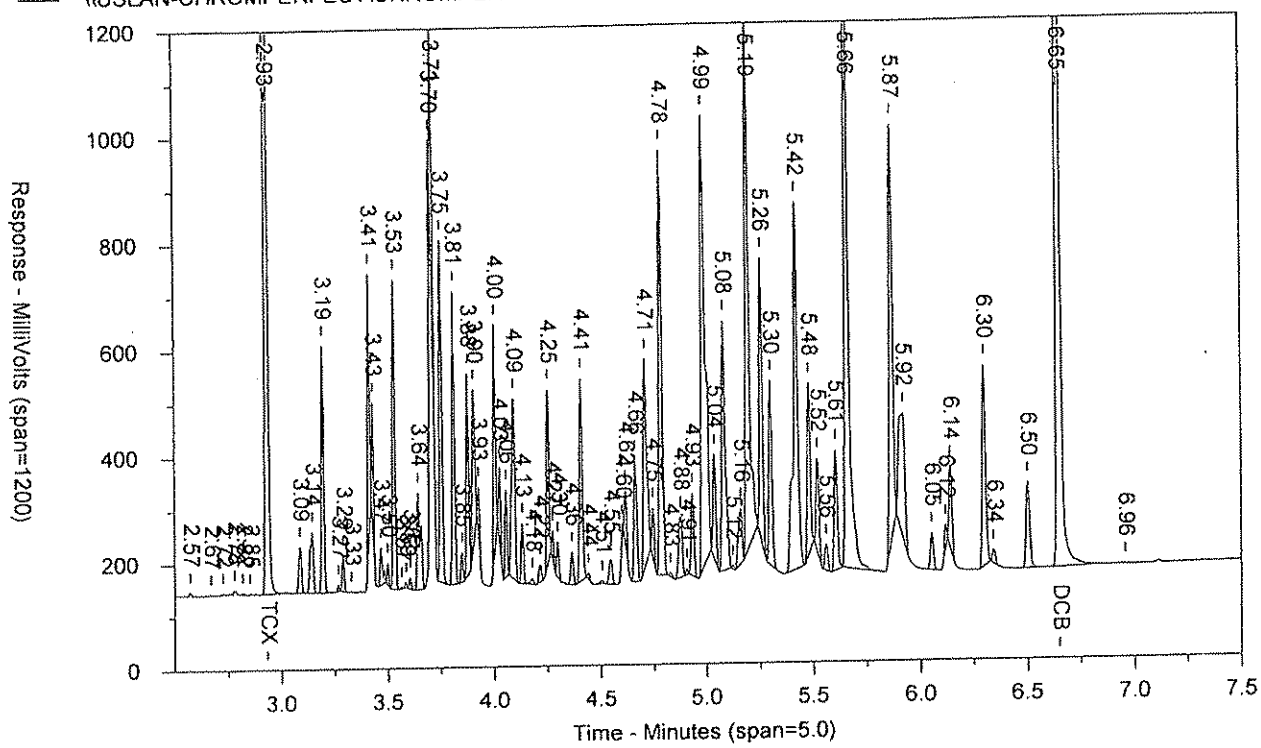

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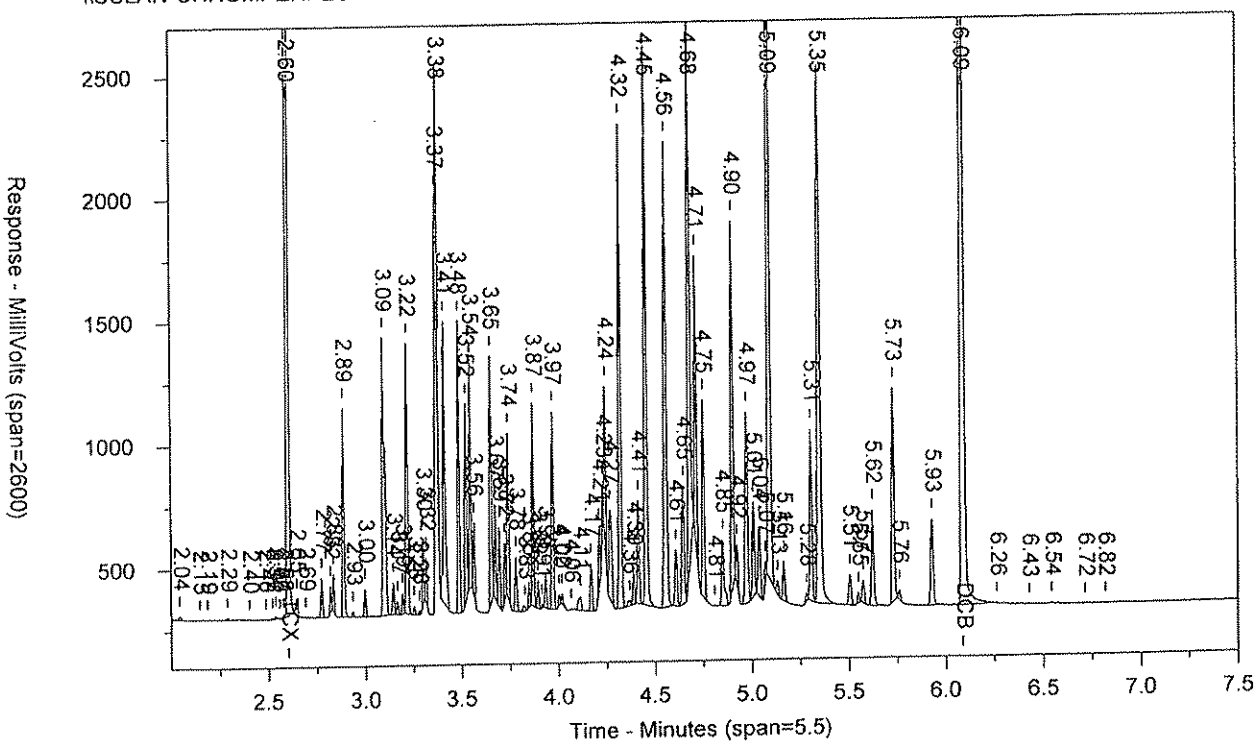

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:16:45 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: 4
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
2.932	5701929	42.144	TCX	2.601	10779800	43.889	TCX
6.649	2624013	39.256	DCB	6.088	7776003	40.875	DCB

Files:
Area File: 25pcbs16207001.0029.RAW
Area File: 25pcbs16207001B.0029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:25:16 PM
File Reported On: 7/25/2016 at 10:25:21 PM

IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082

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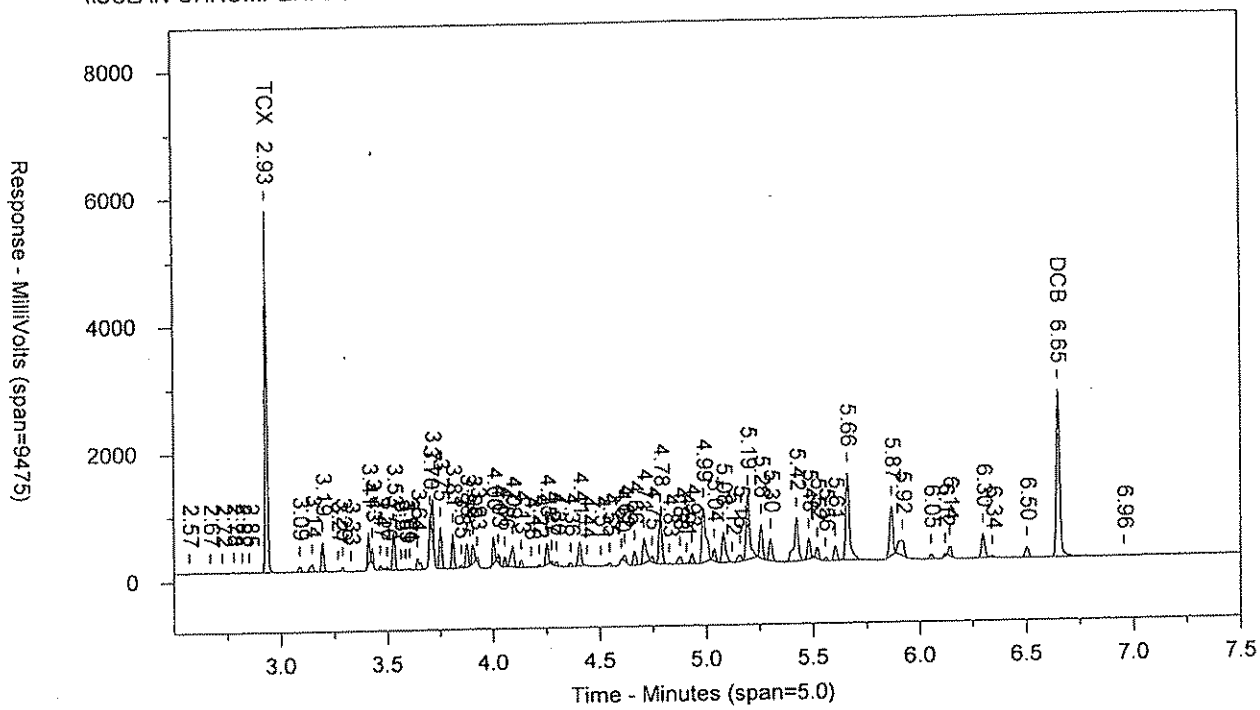

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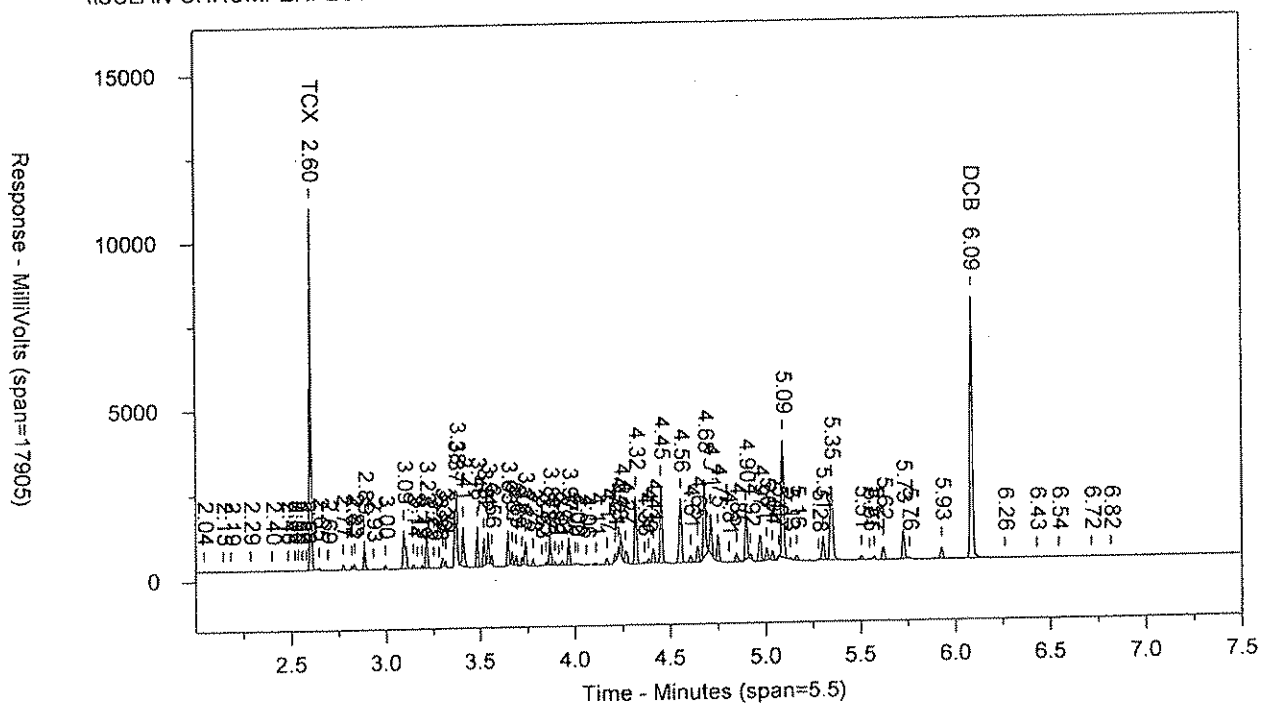

LANCASTER LABORATORIES

Sample Number: IC48X1624A AAIC48XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:28:28 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: 25pcbs16207001.0030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.043		1295	2569
2.092		8005	17773
2.154		4216	10771
2.223		30516	24275
2.315		15496	9252
2.334		9576	5642
2.356		1600	1085
2.419		5927	5242
2.492		828	865
2.573		3242	2786
2.619		1142	1081
2.672		2681	2978
2.73		3005	2771
2.78		4046	4746
2.82		5041	4501
2.852		609	618
2.932	TCX	5928522	3892198
3.021		2506	1480
3.068		1752	1107
3.088		13279	10398
3.135		83707	62808
3.194		76012	56518
3.267		13900	8500
3.289		17147	11228
3.369		911	1530
3.412		243478	150602
3.429		81737	40759
3.467		21326	16868
3.501		4268	2422
3.53		238552	181808
3.587		10855	7606
3.606		8554	5490
3.643		62578	60739
3.715		523567	754677
3.752		288590	232278
3.81		303927	250330
3.85		61491	43040
3.877		531105	389042
3.904		357097	292480
3.926		120151	69832
4.003		606863	442833
4.028		180800	120296
4.058		228762	170367
4.093		498822	493550
4.134		183022	155099
4.179		25339	24747
4.219		71913	66725
4.254		447509	316718
4.275		543238	348333
4.298		605717	433619
4.365		63839	58496
4.404		530994	450802
4.426		184733	197680
4.484		9003	5691

RT A	Compound A	Height A	Area A
4.507		45443	36944
4.549		168737	156241
4.602		237528	219927
4.634		147115	112682
4.663		396117	355196
4.708		4811	3147
4.749		162859	151009
4.786		34269	41081
4.838		41276	36252
4.879		256665	260802
4.935		3146	1803
4.96		23235	20446
4.987		20162	13303
5.004		18755	13366
5.08		273169	271903
5.123		6409	4341
5.15		17348	18469
5.196		87265	99226
5.301		1715	1397
5.406		33869	44245
5.481		2595	2248
5.528		8165	11345
5.561		5566	4482
5.605		15170	14647
5.662		4798	3152
5.683		22792	18451
5.84		5485	8198
5.869		7666	6922
5.921		3874	7130
6.054		39722	40192
6.121		53967	68191
6.227		1205	1946
6.3		2686	3379
6.39		6042	9372
6.429		977	1066
6.475		765	596
6.504		40087	43545
6.651	DCB	2610936	3022504
6.897		4047	10405

LANCASTER LABORATORIES

Sample Number: IC48X1624A AAiC48XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:28:28 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		15932	12130
2.143		2199	2452
2.187		2336	2322
2.223		2159	2424
2.264		2190	1209
2.346		3211	3823
2.403		6347	19370
2.521		2795	2015
2.536		5438	4149
2.602	TCX	10738080	6230586
2.692		8633	7022
2.774		25394	17087
2.819		128158	84300
2.886		116847	69696
2.935		22372	12888
2.997		28724	19737
3.093		501656	431578
3.145		33905	18702
3.167		8828	5372
3.192		8291	4279
3.216		402930	260663
3.253		15522	8843
3.28		17704	9023
3.3		88976	45950
3.316		37278	18526
3.376		976198	1054740
3.396		85012	38261
3.41		412145	236575
3.485		631385	383687
3.521		1115304	686775
3.544		1088807	586453
3.562		376094	188528
3.649		1294769	796260
3.672		436558	235120
3.693		446391	263748
3.723		220583	114648
3.74		1014331	587817
3.78		386583	249762
3.827		73804	56916
3.848		783704	474122
3.87		1887705	1171093
3.895		1369375	826594
3.914		94753	46712
3.934		113495	67361
3.969		538614	360359
4.004		1000041	721211
4.031		525119	284009
4.062		4550	1808
4.078		63286	42070
4.112		332346	237893
4.169		570276	404715
4.202		302012	214929
4.228		883956	606572
4.266		13745	12197

RT B	Compound B	Height B	Area B
4.321		342054	308356
4.356		84362	57958
4.387		570232	398992
4.411		14385	7456
4.454		55195	33959
4.479		52073	41205
4.551		79290	73706
4.603		555923	421661
4.643		22768	25635
4.682		141893	128806
4.728		14454	9451
4.771		14963	20844
4.867		5529	4097
4.9		7123	4623
4.924		52681	40411
4.972		5064	5125
5.008		2511	1826
5.043		9718	6948
5.071		29705	26539
5.166		44957	42991
5.306		5891	5810
5.359		20363	51335
5.506		65639	54424
5.575		71352	62532
5.622		9733	7220
5.652		16984	24554
5.73		4414	4230
5.885		1917	1566
5.928		75236	78199
5.983		1434	1089
6.036		1139	1453
6.089	DCB	8159891	6770200
6.174		13236	17801
6.422		15684	24279
6.544		7688	9824
6.66		11661	16127
6.786		9319	10512
6.893		10267	16090

IC48X1624A AAIC48XAA CCAL 1620699999 10736 SW-846 8082

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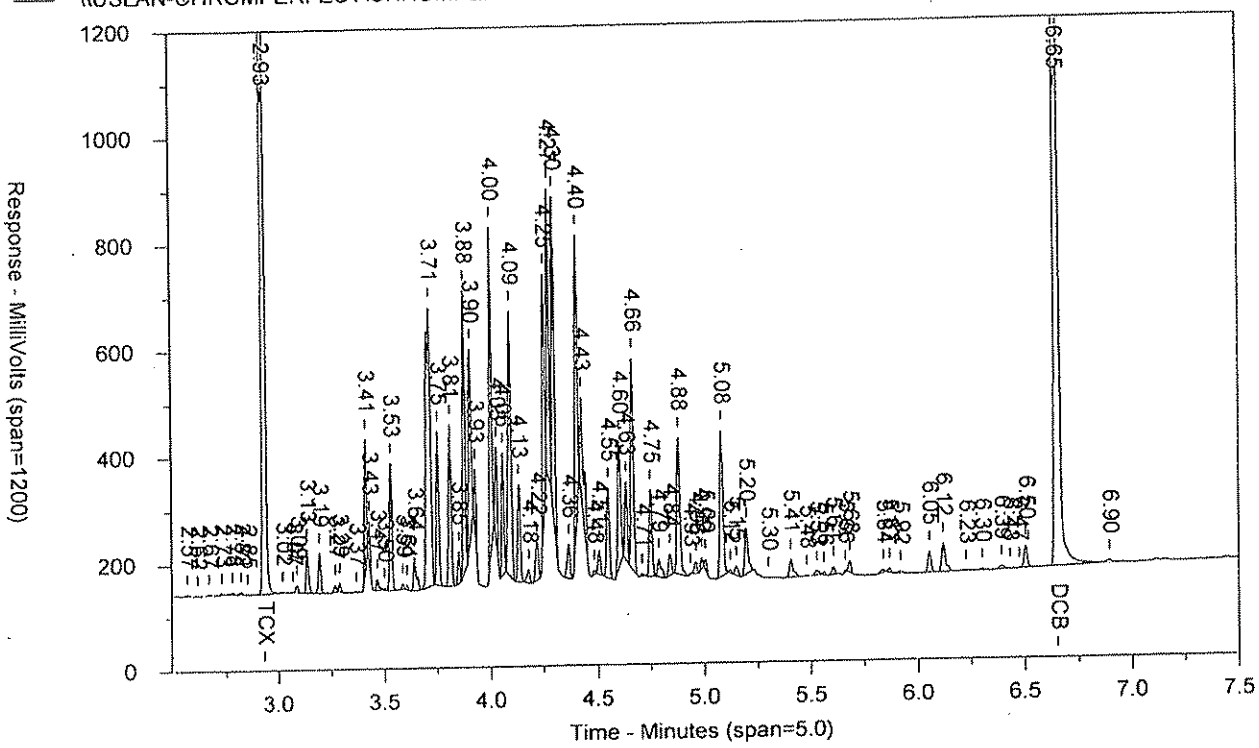

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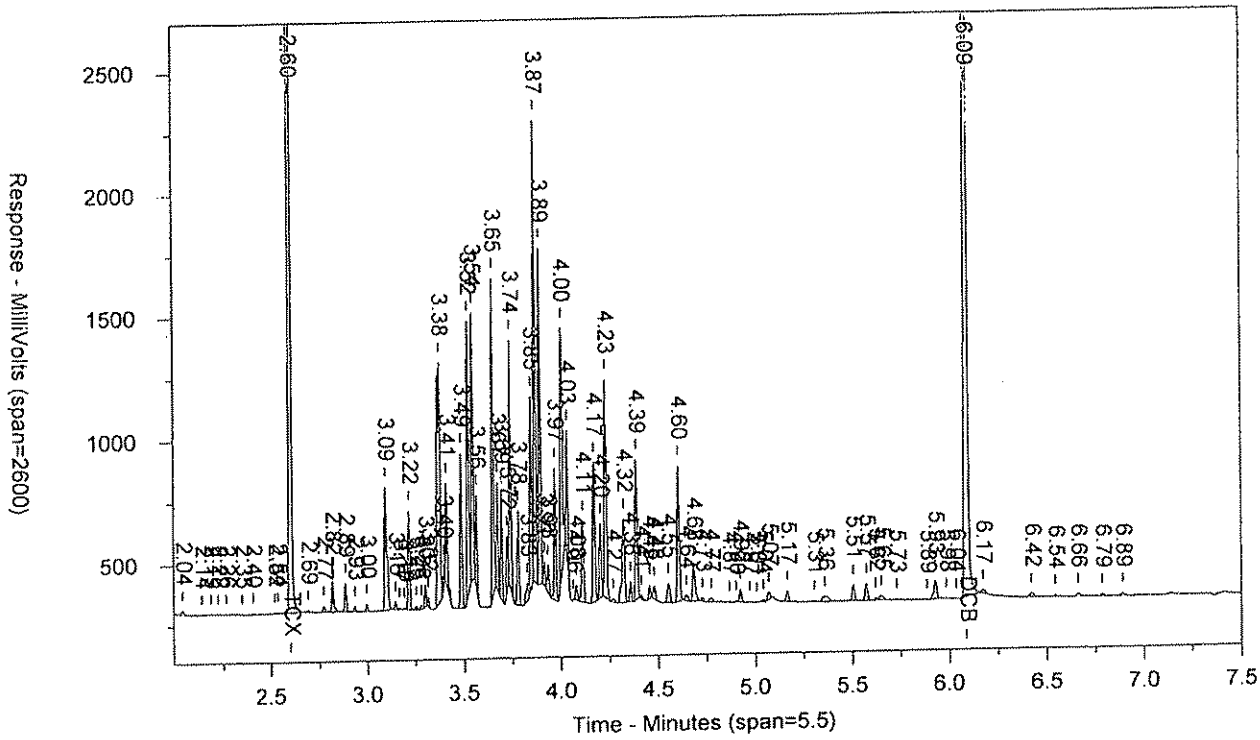

LANCASTER LABORATORIES

Sample Number: IC48X1624A AAIC48XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:28:28 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: 4
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
2.932	5928522	43.819	TCX	2.602	10738080	43.72	TCX
6.651	2610936	39.061	DCB	6.089	8159891	42.893	DCB

Files:
Area File: 25pcbs16207001.0030.RAW
Area File: 25pcbs16207001B.0030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:36:58 PM
File Reported On: 7/25/2016 at 10:37:03 PM

IC48X1624A AAIC48XAA CCAL 1620699999 10736 SW-846 8082

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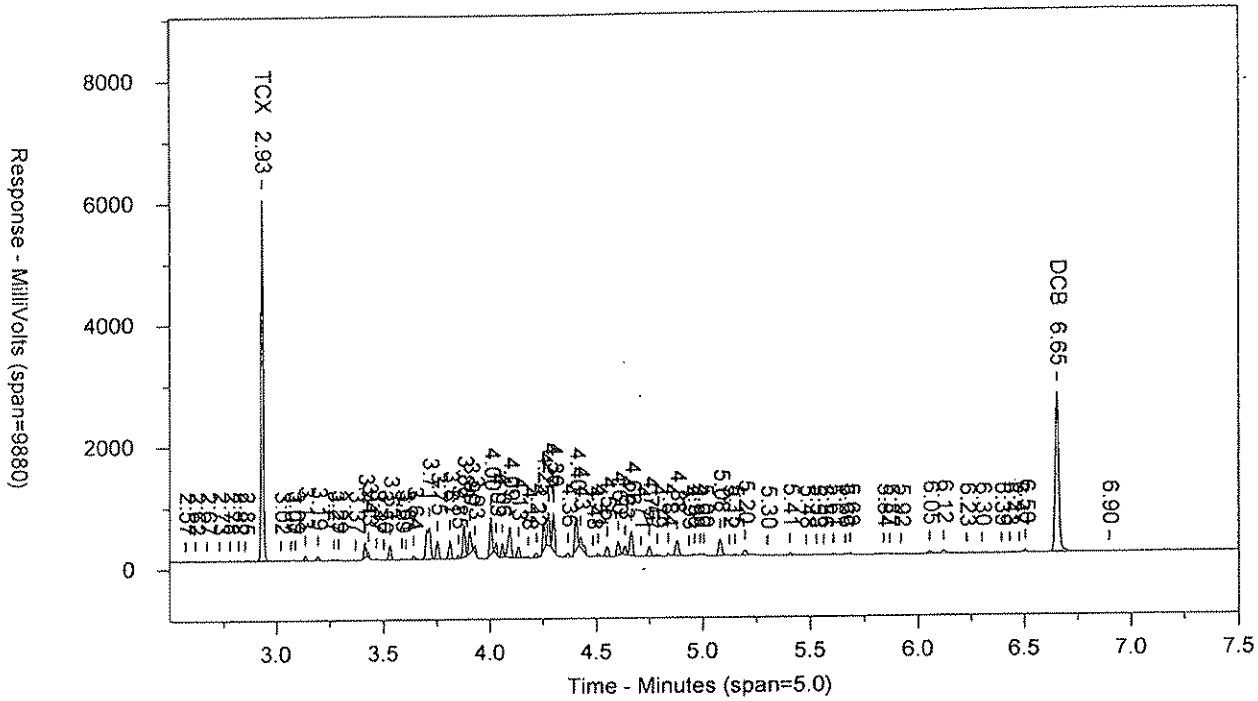

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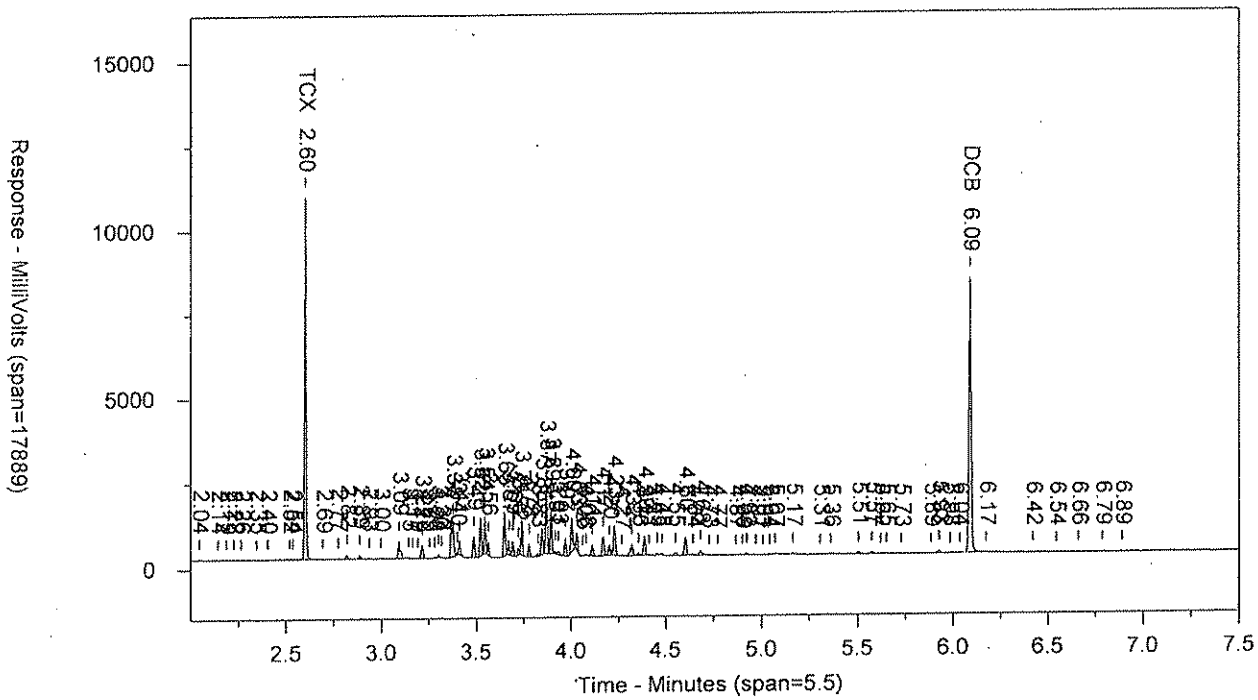

LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:40:16 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: 25pcbs16207001.0031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.092		7558	17749
2.153		3829	6546
2.223		15239	14258
2.315		19175	12224
2.334		4134	2217
2.378		1233	814
2.418		16185	15741
2.494		871	844
2.574		2100	2424
2.619		1323	941
2.671		6335	6844
2.728		1766	1570
2.779		4198	3805
2.821		18579	18610
2.879		730	605
2.932	TCX	2795166	1892550
3.008		1919	2654
3.067		6861	4994
3.135		42143	29157
3.192		25750	28869
3.268		7379	4808
3.374		2988	4132
3.413		18919	11444
3.431		14204	10494
3.467		1219	573
3.484		3691	2283
3.531		38263	33925
3.588		4620	3802
3.608		9587	6149
3.645		7510	8130
3.717		35356	60264
3.754		45355	34859
3.782		6823	5574
3.811		23105	17307
3.851		16086	14770
3.878		492109	373805
3.905		147249	133600
4.005		324923	250653
4.029		23499	14407
4.059		45291	32528
4.095		148227	139747
4.136		40766	33814
4.179		19463	27279
4.218		44971	40145
4.255		749856	536171
4.276		292633	183927
4.301		231619	172269
4.367		220520	193933
4.41		1017516	1046801
4.445		373511	313149
4.486		15353	10343
4.508		91383	78265
4.551		384779	346161
4.603		693802	635867

RT A	Compound A	Height A	Area A
4.635		172022	115135
4.665		1360826	1174134
4.71		110139	148080
4.749		212565	175164
4.787		421369	449005
4.839		91683	82377
4.879		833790	851600
4.935		96884	81701
4.961		19466	11246
4.988		295024	231710
5.006		170807	110707
5.037		12433	8578
5.081		688822	684661
5.123		85861	70122
5.151		90881	129761
5.197		915478	1374729
5.301		44418	53441
5.407		332070	480519
5.482		47357	43190
5.522		49844	51469
5.561		8789	6825
5.606		176975	171744
5.631		23790	15334
5.662		155733	171023
5.834		4985	6115
5.87		139442	136058
5.901		22438	22884
6.055		24467	26857
6.12		45881	62766
6.228		1692	2782
6.301		9162	10019
6.389		5133	7771
6.502		21116	23103
6.65	DCB	1341260	1553881
6.893		3360	5890

LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:40:16 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: 25pcbs16207001B.0031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.044		7270	5256
2.101		1590	1252
2.145		2604	2170
2.184		13256	11243
2.224		1894	2573
2.344		2677	3072
2.376		3274	2856
2.401		2350	2857
2.44		3487	3268
2.486		1486	1159
2.52		11202	7426
2.536		4349	2104
2.602	TCX	5098537	2987481
2.692		4652	3148
2.773		8726	6320
2.818		57226	29537
2.836		13216	8430
2.886		20521	12878
2.934		10989	6653
2.998		2639	2075
3.027		2036	1372
3.094		35385	31199
3.126		11481	10030
3.167		6014	4141
3.194		1829	899
3.217		31755	20577
3.254		16181	10214
3.281		7895	3895
3.301		8457	4147
3.318		13701	7575
3.367		54933	57453
3.398		20196	10454
3.411		44072	28244
3.487		42436	26876
3.522		1050689	638249
3.546		332242	185337
3.564		36463	17114
3.65		572905	360930
3.674		51715	26767
3.695		73154	46514
3.724		42917	20544
3.741		251347	148404
3.781		65038	47112
3.82		50109	39861
3.85		228926	127030
3.871		2427386	1543131
3.896		267013	147815
3.916		208079	115164
3.935		402280	251161
3.971		2098571	1415579
4.002		870851	510380
4.019		543290	275938
4.079		165760	114879
4.113		809222	579881

RT B	Compound B	Height B	Area B
4.17		1772200	1238737
4.203		410331	302125
4.23		3078285	2155498
4.268		222250	203970
4.32		1447731	1165239
4.357		212176	150924
4.388		1940167	1332032
4.413		303685	194154
4.455		1189211	828501
4.48		61803	35837
4.553		1071066	1011163
4.604		1350226	1051837
4.644		331994	278131
4.683		2301426	2046698
4.729		157703	96820
4.752		61055	44724
4.811		22734	22923
4.85		6148	3096
4.868		87970	64439
4.901		110088	72574
4.924		665094	505751
4.975		85233	66780
5.009		67834	52776
5.041		40763	32727
5.071		263664	194842
5.093		226993	191724
5.166		33766	30769
5.286		1116	711
5.307		11112	8902
5.349		266007	300645
5.454		1484	915
5.507		41041	34505
5.55		9743	6574
5.574		47049	37092
5.622		13938	10734
5.652		15286	20194
5.729		16059	16699
5.884		1429	1100
5.928		45132	48554
6.088	DCB	3757062	3296302
6.174		13741	17410
6.378		1109	862
6.422		11562	17121
6.544		3222	2855
6.662		7909	9363
6.786		3858	3608
6.892		6598	11375

IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082

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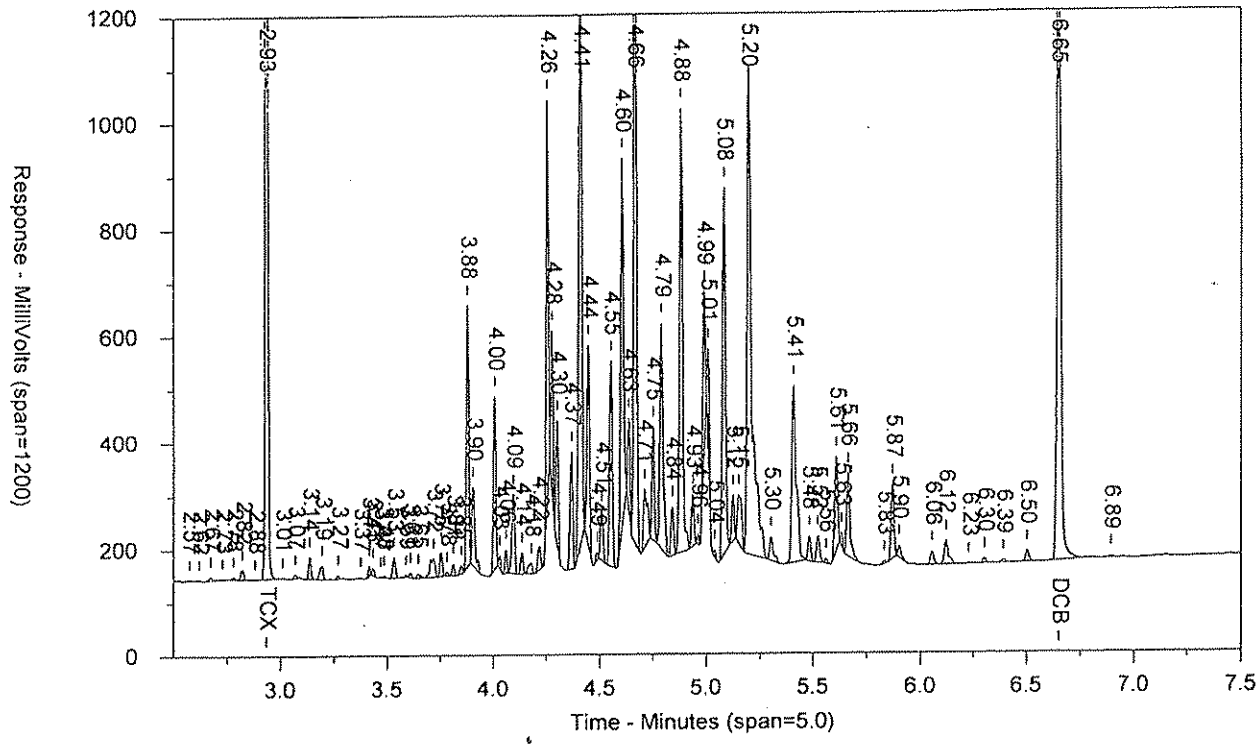

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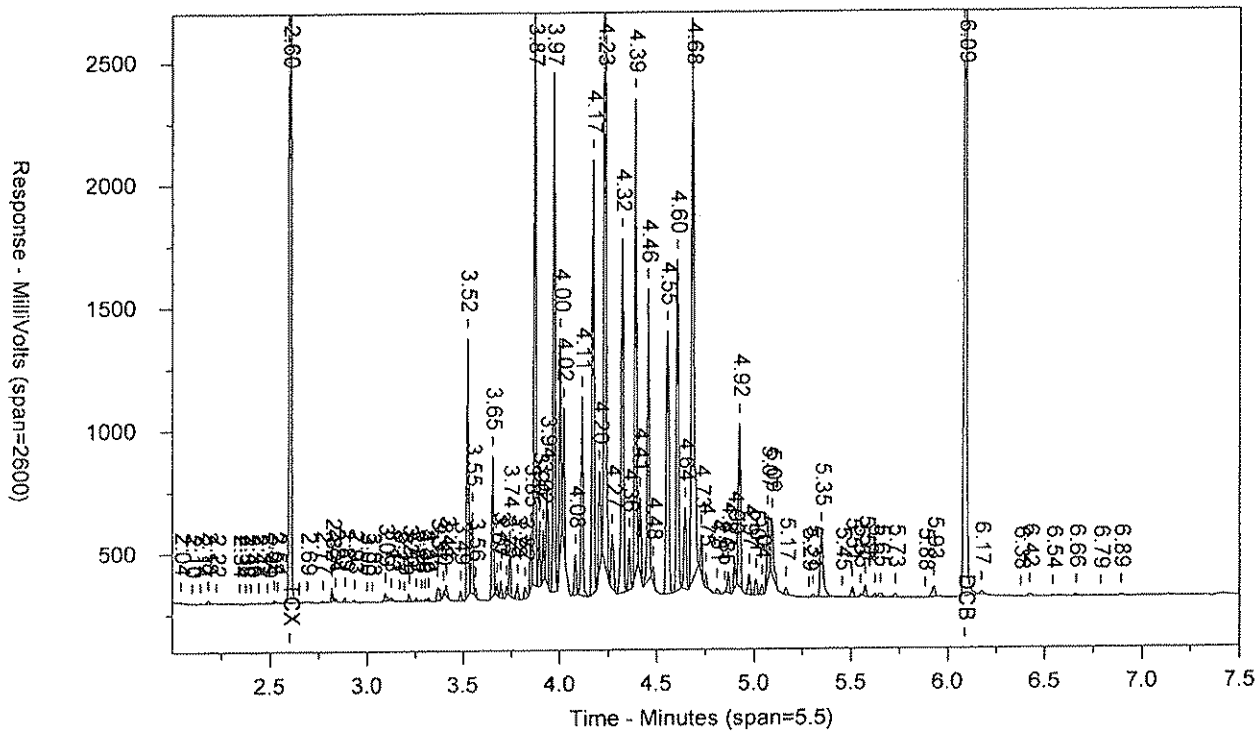

LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:40:16 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: 4
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
2.932	2795166	20.66	TCX	2.602	5098537	20.758	TCX
6.65	1341260	20.066	DCB	6.088	3757062	19.749	DCB

Files:
Area File: 25pcbs16207001.0031.RAW
Area File: 25pcbs16207001B.0031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:48:46 PM
File Reported On: 7/25/2016 at 10:48:53 PM

IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082

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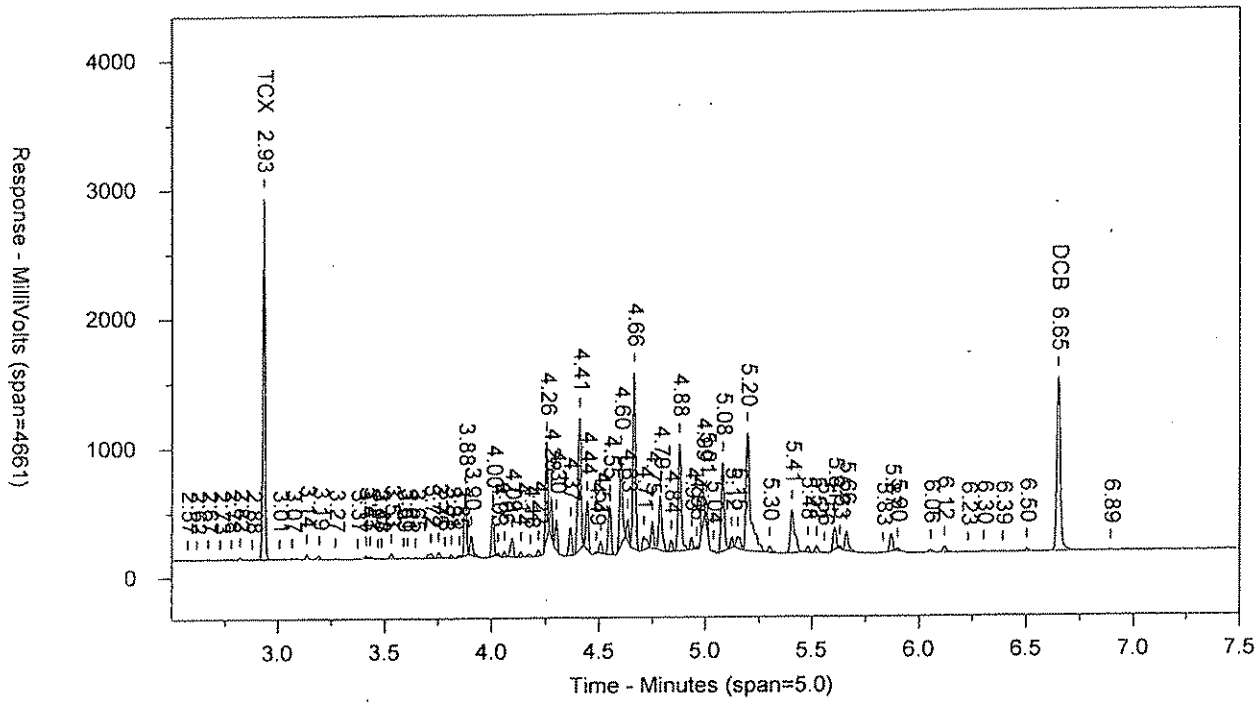

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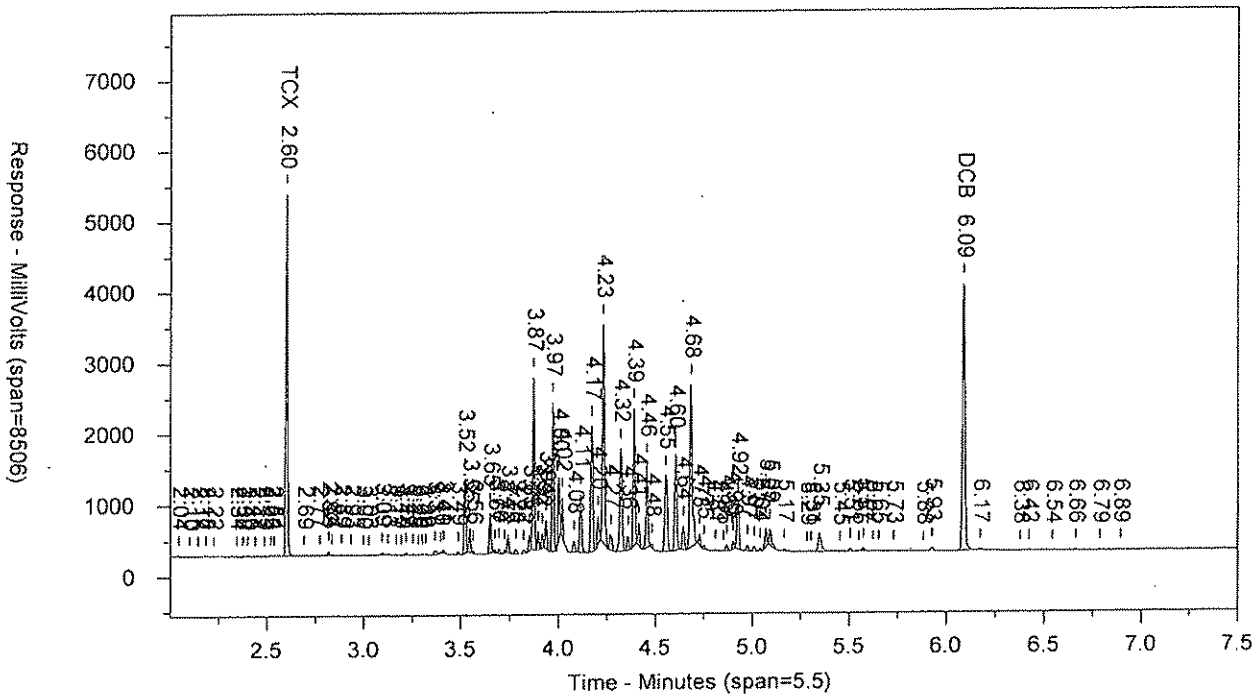

LANCASTER LABORATORIES

Sample Number: AR1631624B BJAR163BJ CCAL 1625499999 10736 SW-846 8082
Injected On: 9/12/2016 12:48:32 AM 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: 25pcbs16207031.0027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.042		2412	8415
2.089		17671	27866
2.146		3849	6558
2.217		27216	20398
2.309		4955	3004
2.328		9986	6642
2.374		5525	3855
2.424		36256	46076
2.489		6250	6161
2.566		8158	9252
2.658		1642	1715
2.771		5195	13995
2.812		4660	4736
2.846		1820	1376
2.884		1427	1072
2.926	TCX	5567743	3754377
3.03		1521	891
3.079		75608	63321
3.136		110787	119582
3.185		451312	317624
3.258		14460	8681
3.279		58691	37850
3.32		1480	1449
3.401		457839	274466
3.418		211479	117594
3.455		59975	34862
3.471		17242	7475
3.488		41923	23700
3.518		558021	409105
3.552		2768	1444
3.572		6490	3757
3.592		16371	10351
3.629		121205	70155
3.643		62152	30383
3.688		216936	134791
3.699		568522	285682
3.735		622646	480438
3.795		528823	413735
3.834		46943	33632
3.862		356773	265551
3.889		265268	223029
3.911		90283	48540
3.987		396844	291125
4.011		139846	88136
4.042		159689	117911
4.078		397238	409259
4.118		134957	108329
4.163		18478	15188
4.203		41401	36913
4.237		390704	294977
4.258		102379	59804
4.282		111367	80527
4.35		57855	50793
4.392		385331	357143

RT A	Compound A	Height A	Area A
4.488		6479	6333
4.532		26454	23703
4.587		26546	19507
4.6		91160	59697
4.647		240956	215896
4.692		366146	405001
4.73		84492	60296
4.769		806096	756822
4.818		1293	996
4.86		116735	128575
4.89		6573	4092
4.917		140475	131114
4.97		886585	1152006
5.019		179975	159639
5.063		443485	517024
5.143		85611	101788
5.179		1061224	1222597
5.241		537729	491955
5.284		335942	324322
5.407		662601	889876
5.465		304159	285550
5.505		160649	136425
5.545		33017	31038
5.59		207637	200969
5.646		1464336	1587920
5.853		802093	838759
5.892		217521	432629
5.98		1848	953
6.009		1539	1329
6.037		26388	25838
6.102		23323	16893
6.125		147738	125945
6.207		2068	4561
6.237		3598	2649
6.282		337356	346097
6.327		16627	13750
6.377		5992	8028
6.453		2921	4142
6.482		100160	99608
6.52		1933	971
6.571		1782	2540
6.628	DCB	2690760	2916060
6.756		2213	4252
6.811		10979	28380
6.862		2652	2234
6.915		14861	62268

LANCASTER LABORATORIES

Sample Number: AR1631624B BJAR163BJ CCAL 1625499999 10736 SW-846 8082
Injected On: 9/12/2016 12:48:32 AM 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: 25pcbs16207031B.0027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.043		16922	17103
2.101		43196	50884
2.22		10394	12434
2.286		6943	4995
2.346		9271	8074
2.373		2923	2137
2.398		3595	3166
2.458		6850	18002
2.518		3139	6559
2.535		3700	2092
2.555		1538	769
2.576		2816	1521
2.599	TCX	10443250	6007336
2.644		58720	40104
2.699		3267	3793
2.77		150103	91160
2.798		4644	2253
2.816		96934	46307
2.831		149130	74722
2.883		835890	489442
2.932		24534	14875
2.993		106195	64369
3.052		2183	1831
3.089		1092776	998554
3.141		129102	74075
3.161		51705	28395
3.187		92002	48284
3.211		1043198	661346
3.247		31220	16725
3.274		12715	5900
3.294		275792	140712
3.309		157568	74134
3.336		2390	1138
3.369		2148298	2105984
3.402		1144446	831956
3.476		1156573	694083
3.512		830485	485617
3.535		878766	473105
3.553		290967	143065
3.638		949981	616954
3.661		390599	205980
3.682		352828	201111
3.71		231733	117435
3.727		882888	496114
3.767		293363	193891
3.815		32908	25101
3.837		223883	128426
3.858		1101213	688789
3.883		222047	134059
3.903		31930	15142
3.922		157062	98625
3.957		865324	561038
3.99		38475	20312
4.005		65466	40531

RT B	Compound B	Height B	Area B
4.065		6922	9611
4.1		48739	37555
4.156		225568	147604
4.198		241987	136793
4.215		253863	111198
4.229		665090	356968
4.254		355933	345032
4.306		1983356	1415100
4.354		21916	14876
4.375		182521	118575
4.399		418097	303711
4.441		2299512	1726190
4.543		1824668	1689310
4.595		218104	171337
4.633		513288	411976
4.669		2389954	1885050
4.701		1218563	798640
4.738		764049	585656
4.807		2760	2892
4.836		267438	258223
4.887		1468991	1120133
4.911		187861	111922
4.96		747825	653666
4.995		365788	283099
5.025		273122	211292
5.057		118060	69355
5.079		3473851	2747024
5.12		62085	43336
5.152		124203	97533
5.27		36210	22392
5.295		671226	537830
5.338		2170591	2291311
5.454		1534	785
5.493		61660	51249
5.538		49573	35465
5.562		38932	27448
5.61		355673	294487
5.674		1233	2713
5.717		830288	659667
5.748		39155	28283
5.804		4458	4238
5.916		226604	188703
5.951		2287	1544
6.075	DCB	6859812	5863472
6.267		732	8089
6.306		3449	6791
6.337		862	1847
6.435		3722	5620
6.477		4557	5412
6.506		1985	787
6.533		5882	5862
6.561		4377	4218
6.597		2762	2265
6.624		3093	2292
6.694		6475	16129
6.747		1499	1975
6.771		2002	1607
6.843		12899	35165
6.874		3341	3010
6.907		6749	12073

AR1631624B BJAR163BJ CCAL 1625499999 10736 SW-846 8082

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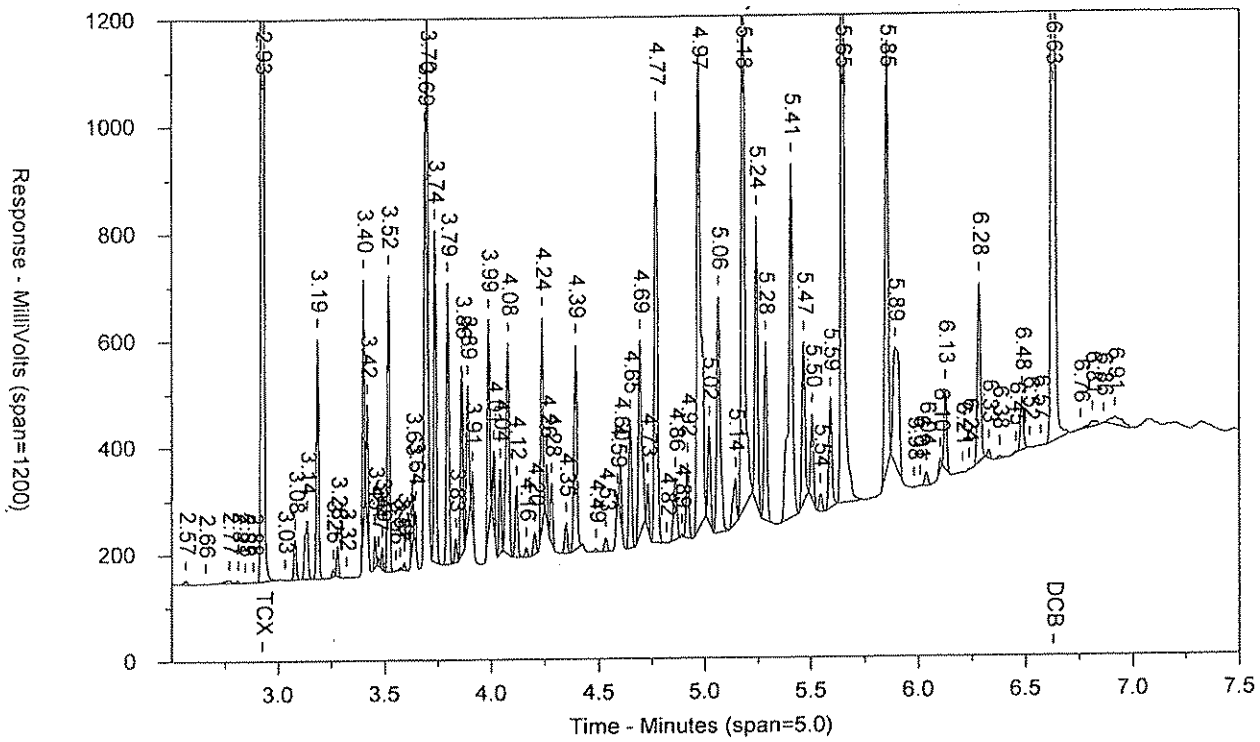

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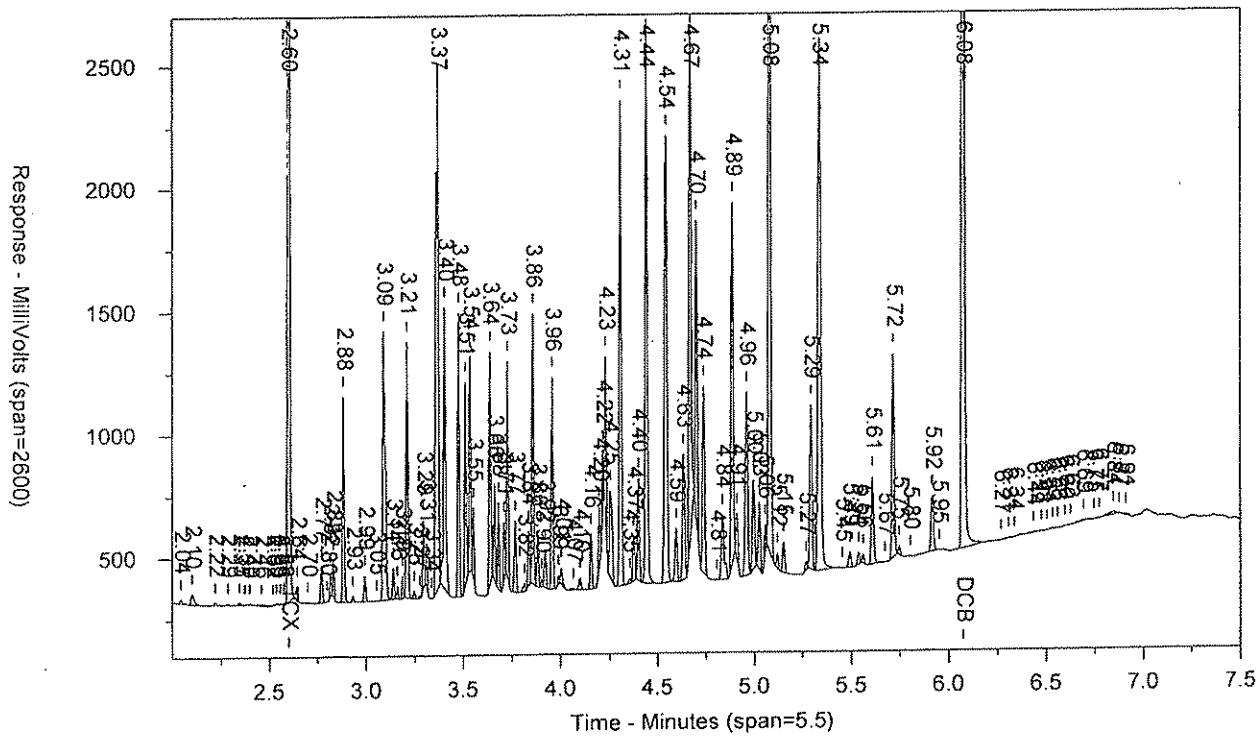

LANCASTER LABORATORIES

Sample Number: AR1631624B BJAR163BJ CCAL 1625499999 10736 SW-846 8082
Injected On: 9/12/2016 12:48:32 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
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
2.926	5567743	41.153	TCX	2.599	10443250	42.519	TCX
6.628	2690760	40.255	DCB	6.075	6859812	36.059	DCB

Files:
Area File: 25pcbs16207031.0027.RAW
Area File: 25pcbs16207031B.0027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 12:57:02 AM
File Reported On: 9/12/2016 at 12:57:09 AM

AR1631624B BJAR163BJ CCAL 1625499999 10736 SW-846 8082

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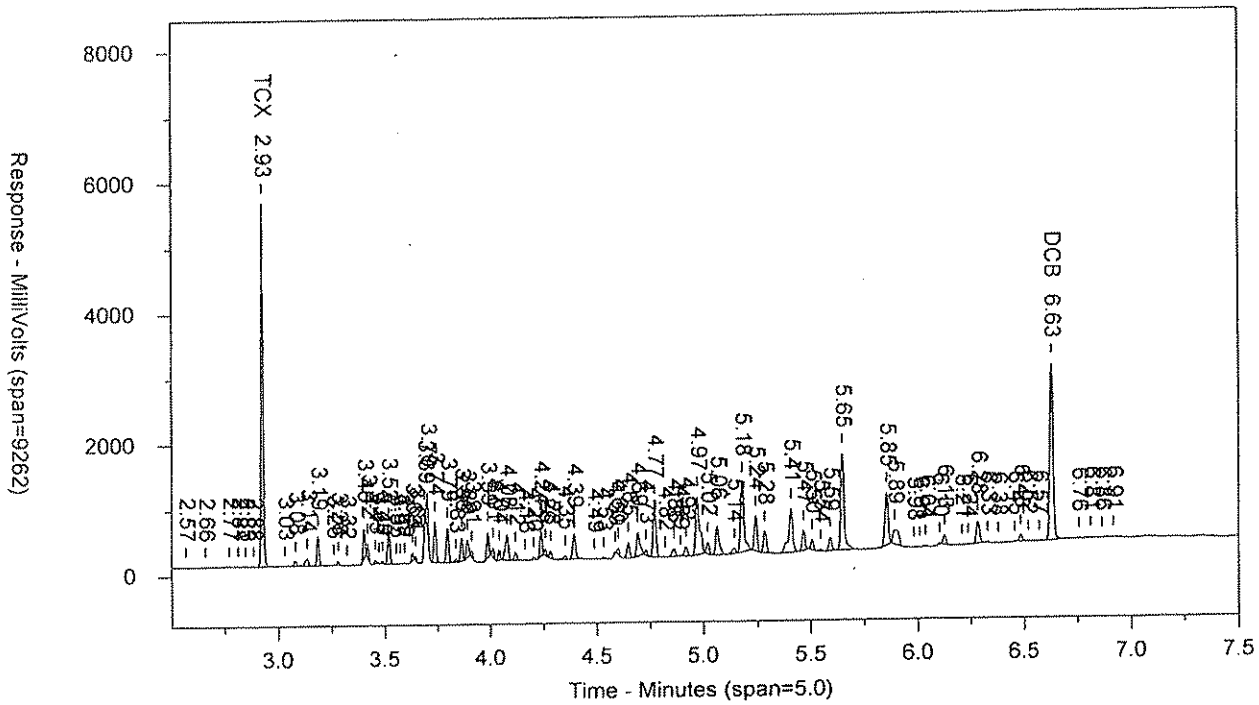

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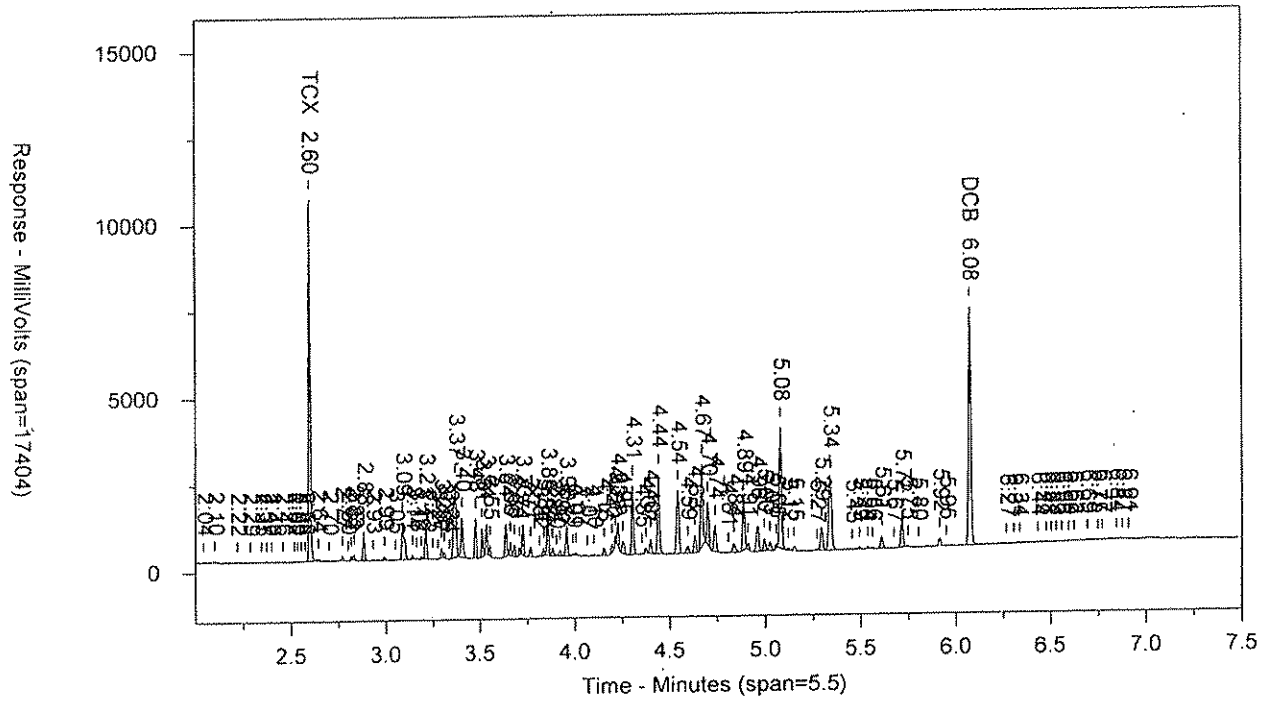

LANCASTER LABORATORIES

Sample Number: IBLKX1624B KJPIBLKKJ PIBLK1625499999 10736 SW-846 8082
Injected On: 9/12/2016 12:59:46 AM 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: 25pcbs16207031.0028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.031		3386	8729
2.089		16242	27458
2.148		3662	6285
2.217		15308	11669
2.309		20217	13053
2.328		4773	2655
2.374		5592	4047
2.424		28432	35202
2.491		5480	6243
2.552		1358	823
2.658		1675	1569
2.773		9658	15097
2.81		3559	2870
2.842		828	918
2.882		1334	1058
2.925	TCX	3169589	2099431
3.127		45040	29946
3.174		3317	3780
3.258		10918	10157
3.33		635	504
3.363		779	595
3.4		1707	1688
3.477		584	544
3.512		1920	1806
3.573		3678	5456
3.67		7508	6202
3.741		3618	4239
3.826		2470	2728
3.871		749	649
3.901		929	845
3.925		3012	2558
4.011		831	921
4.05		1743	2607
4.148		1883	1698
4.202		24033	28121
4.308		2546	2596
4.401		4513	5259
4.485		3282	4252
4.536		1217	1148
4.583		1015	2194
4.719		1007	1245
4.761		816	1043
4.832		2116	2415
4.893		1726	1559
4.97		858	1891
5.065		1044	2063
5.134		2227	2357
5.182		3008	3518
5.514		1770	3597
5.614		3734	4394
5.668		4299	4246
6.037		8666	9641
6.073		4510	3954
6.104		5539	5148

RT A	Compound A	Height A	Area A
6.409		2003	13152
6.479		10376	11066
6.537		1038	1415
6.627	DCB	1598569	1630302
6.803		2209	11242
6.93		12495	72537

LANCASTER LABORATORIES

Sample Number: IBLKX1624B KJPIBLKKJ PIBLK1625499999 10736 SW-846 8082
Injected On: 9/12/2016 12:59:46 AM 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: 25pcbs16207031B.0028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.043		10348	11563
2.101		33596	42013
2.219		9713	12975
2.311		1071	853
2.345		7025	6174
2.373		1724	1361
2.399		3227	2560
2.483		3910	5597
2.516		2955	3402
2.534		13728	10159
2.576		3156	1940
2.6	TCX	5689947	3336736
2.699		3004	4470
2.76		1799	2806
2.799		2721	1364
2.816		66448	38000
2.932		14378	9125
2.98		1651	1709
3.053		2730	2735
3.101		1720	3371
3.169		2075	2659
3.23		2172	1382
3.275		6280	3360
3.311		11815	7545
3.366		3193	3292
3.395		2374	1675
3.433		1962	1751
3.462		1501	2348
3.541		7378	5583
3.572		2218	1403
3.645		1475	802
3.702		6477	7527
3.795		3025	2352
3.845		2818	2136
3.92		45395	48611
4.013		1109	1035
4.052		5932	5735
4.089		1222	657
4.156		1991	2940
4.205		7182	7124
4.298		1652	1396
4.344		1112	1654
4.375		1406	735
4.415		2348	1585
4.458		2722	2899
4.501		1808	2034
4.641		3403	5254
4.688		594	913
4.708		1328	733
4.748		1396	2510
4.797		1241	1777
4.926		943	846
5.007		1482	3077
5.029		6732	5984

RT B	Compound B	Height B	Area B
5.072		2789	2341
5.107		1483	880
5.122		2594	1751
5.152		7541	6257
5.49		25051	27677
5.56		16134	12728
5.617		2554	2857
5.808		3678	9523
5.914		27351	28278
5.952		1566	1597
6.074	DCB	4098075	3407596
6.264		1222	4141
6.48		3659	37383
6.529		2368	2925
6.597		1774	5185
6.712		4352	17716
6.762		2643	1850
6.852		2821	10758
6.876		2433	3147
6.948		2349	2038

IBLKX1624B KJPIBLKKJ PIBLK1625499999 10736 SW-846 8082

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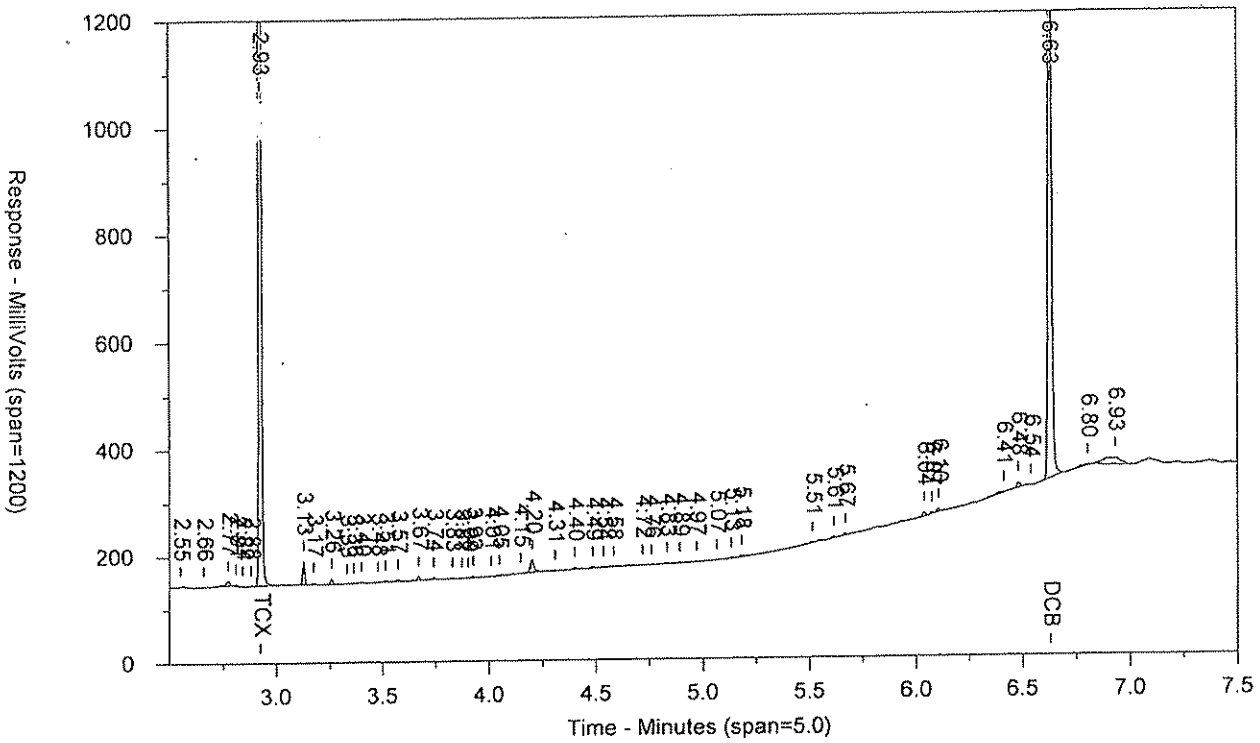

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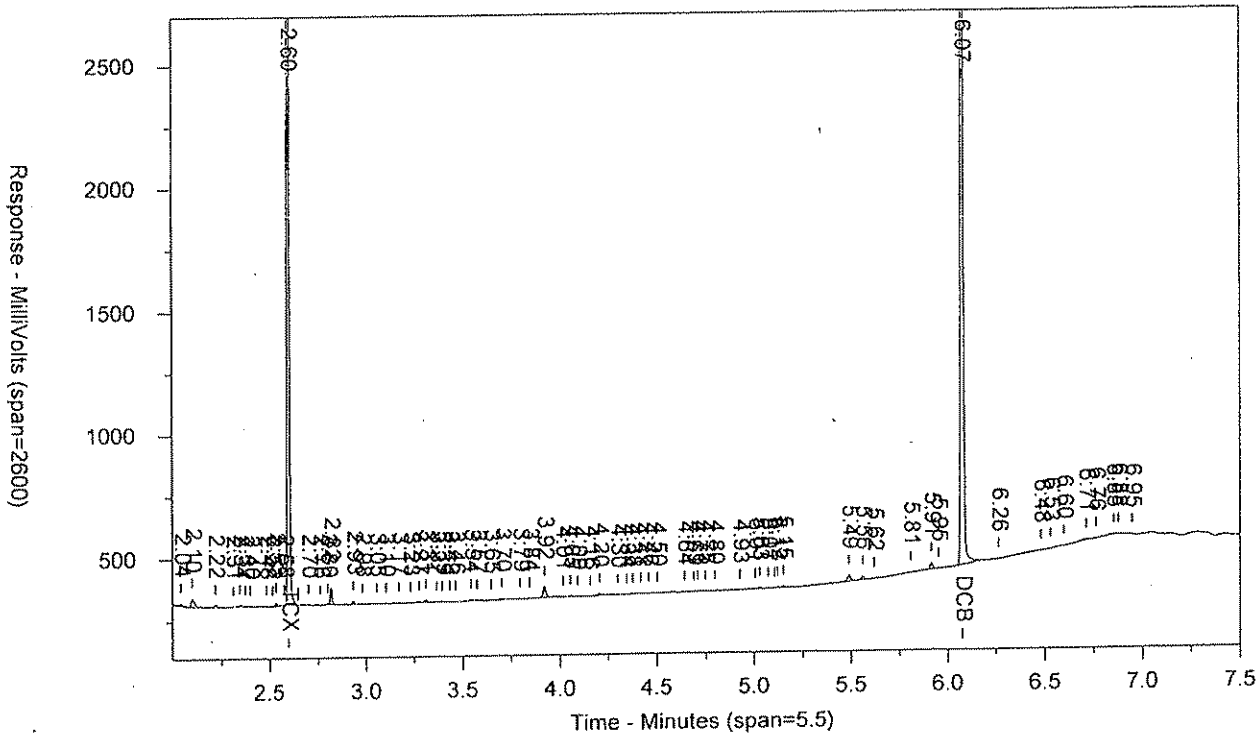

LANCASTER LABORATORIES

Sample Number: IBLKX1624B KJPIBLKKJ PIBLK1625499999 10736 SW-846 8082
Injected On: 9/12/2016 12:59:46 AM
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: 4
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	3169589	.234	TCX	2.6	5689947	.232	TCX
6.627	1598569	.239	DCB	6.074	4098075	.215	DCB

Files:
Area File: 25pcbs16207031.0028.RAW
Area File: 25pcbs16207031B.0028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 1:08:19 AM
File Reported On: 9/12/2016 at 1:08:29 AM

IBLKX1624B KJPIBLKKJ PIBLK1625499999 10736 SW-846 8082

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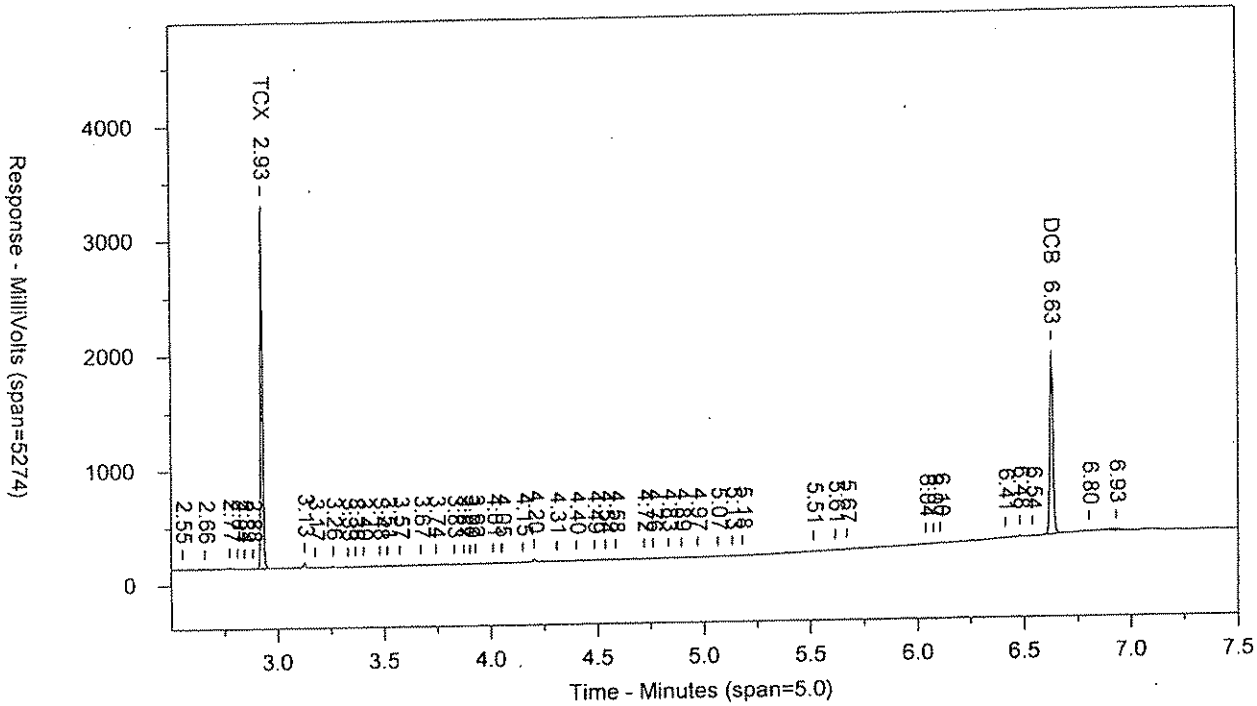

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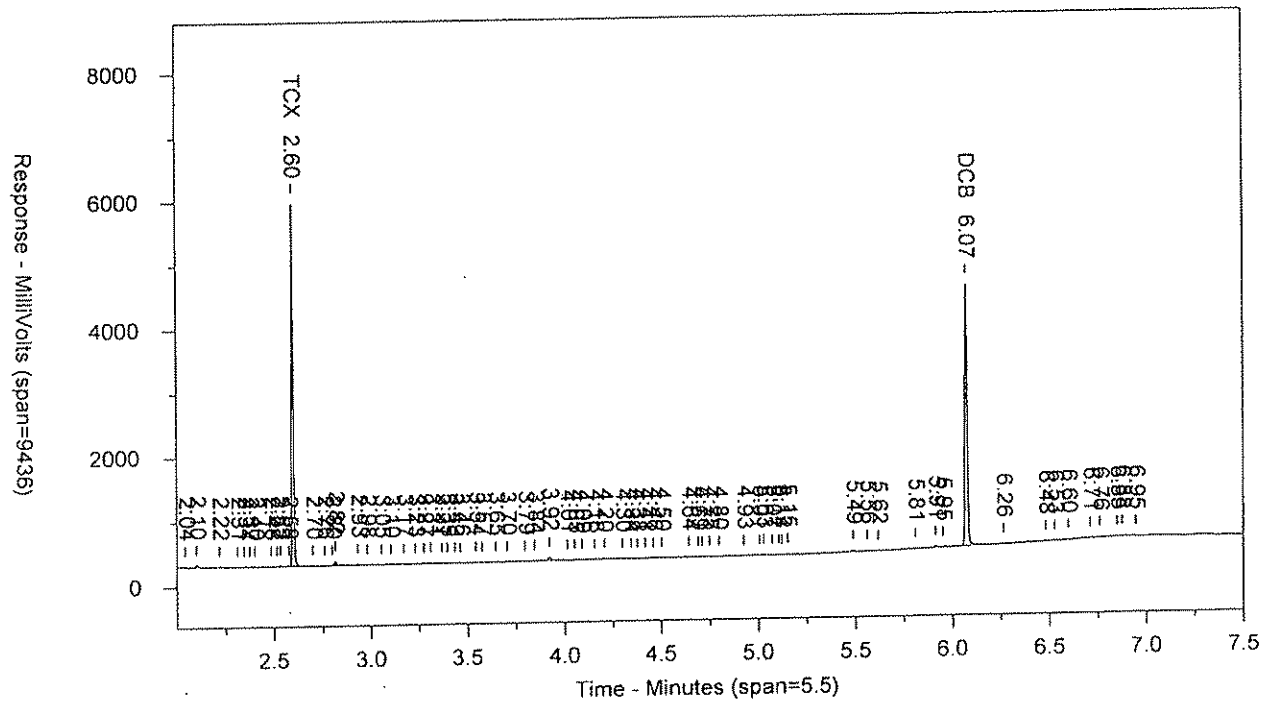

LANCASTER LABORATORIES

Sample Number: AR1631624B BKAR163BK CCAL 1625499999 10736 SW-846 8082
Injected On: 9/12/2016 4:57:21 AM 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: 25pcbs16207031.0049.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.034		2274	6498
2.089		13413	19426
2.216		28088	21407
2.308		13930	8434
2.328		9328	5704
2.375		5865	5471
2.41		1891	1133
2.423		4222	2847
2.49		4476	5170
2.566		8005	8436
2.657		1280	1186
2.72		1283	792
2.773		4210	6805
2.811		4059	4002
2.845		2053	1835
2.925	TCX	5604164	3768719
3.079		82448	68910
3.136		112303	122846
3.185		458279	324544
3.258		12626	7401
3.279		62035	40946
3.318		1706	1559
3.4		472645	282028
3.417		226986	118546
3.454		66599	53570
3.487		42251	24406
3.517		554104	421542
3.551		3378	1805
3.57		4496	2748
3.591		20907	13603
3.628		175524	203255
3.687		269030	154256
3.698		566095	279968
3.734		657583	497286
3.793		540968	432480
3.833		48607	34651
3.861		378982	281060
3.888		340305	458351
3.986		415861	305512
4.01		143446	97287
4.041		172296	126676
4.077		404800	438171
4.117		143418	117928
4.163		20207	16557
4.202		41990	36583
4.236		414933	311000
4.257		111842	66625
4.28		119831	89290
4.348		66907	58128
4.391		415039	389998
4.425		9038	5108
4.487		6304	5468
4.53		37312	35828
4.585		37366	24738

RT A	Compound A	Height A	Area A
4.599		94949	66150
4.645		256972	243284
4.691		384070	449701
4.729		97586	71671
4.768		855476	822507
4.859		130697	153846
4.89		11810	7112
4.916		163282	152470
4.969		950623	1243127
5.019		197493	181428
5.062		483042	569251
5.105		4979	2533
5.142		105824	129140
5.178		1154117	1305872
5.241		577315	535086
5.284		370561	374450
5.406		703572	1028320
5.465		345664	331297
5.504		183494	164746
5.544		49605	46171
5.589		244318	248523
5.645		1510658	1794269
5.852		848860	936366
5.892		46981	67656
5.904		94439	67904
6.037		49533	49850
6.1		38524	30611
6.124		168194	153501
6.231		1179	1251
6.281		402267	423194
6.325		24337	23141
6.481		134497	144620
6.626	DCB	2972065	3124768

LANCASTER LABORATORIES

Sample Number: AR1631624B BKAR163BK CCAL 1625499999 10736 SW-846 8082
Injected On: 9/12/2016 4:57:21 AM 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: 25pcbs16207031B.0049.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.043		14782	12154
2.102		8848	9797
2.195		1554	1719
2.219		7683	9690
2.286		8342	5908
2.346		5970	5265
2.372		1896	1075
2.399		3062	2747
2.458		1525	1358
2.517		3072	5457
2.535		3507	2195
2.558		1650	996
2.575		3434	1845
2.599	TCX	10668160	6095057
2.643		62748	41991
2.691		2437	4104
2.77		155748	96333
2.816		100179	46376
2.831		147515	75006
2.883		847672	499783
2.932		23021	13766
2.993		108337	65039
3.089		1105284	1016357
3.14		122405	70278
3.161		54276	30607
3.187		90731	48037
3.211		1064729	675786
3.247		35427	19595
3.274		9200	4415
3.294		279113	144171
3.309		162833	76954
3.335		1869	898
3.359		607636	282149
3.369		1256638	529827
3.402		1171741	855828
3.476		1198660	710118
3.512		824743	501924
3.535		909167	487962
3.553		292657	146810
3.638		970356	627873
3.661		390923	210053
3.681		362459	206230
3.71		245478	125242
3.727		864471	505537
3.767		299716	203587
3.815		39427	31918
3.836		225104	132913
3.858		1133508	712191
3.883		234889	139117
3.903		34345	16346
3.922		154697	97319
3.957		903126	585556
3.99		39707	21921
4.005		69203	42323

RT B	Compound B	Height B	Area B
4.051		2494	1460
4.066		5131	2765
4.099		60194	50142
4.155		235170	157795
4.197		251647	149757
4.215		257074	123988
4.229		673547	370065
4.254		377106	367495
4.305		2128692	1507928
4.353		23981	18494
4.374		198756	124647
4.399		435838	321177
4.441		2443829	1803163
4.542		1949847	1813108
4.595		241938	192653
4.632		548016	443649
4.668		2432637	1999364
4.7		1266032	848992
4.738		814100	630991
4.836		287700	279567
4.887		1586060	1213589
4.91		182817	115472
4.96		823874	718526
4.995		416671	316906
5.025		308167	245236
5.056		126446	75750
5.079		3779934	3010000
5.12		69164	47719
5.152		157119	122970
5.27		39383	24559
5.294		764762	608605
5.338		2300394	2546021
5.493		87861	77132
5.537		53058	37924
5.561		74947	54398
5.609		427383	366990
5.716		951769	776398
5.747		46780	32812
5.915		281912	243721
5.971		1562	940
6.037		999	878
6.073	DCB	8376767	6986360
6.247		1961	1930
6.408		1920	6868
6.456		1195	804
6.524		7207	7056
6.658		1637	4265
6.693		1191	1284
6.851		1281	5726
6.934		852	1264

AR1631624B BKAR163BK CCAL 1625499999 10736 SW-846 8082

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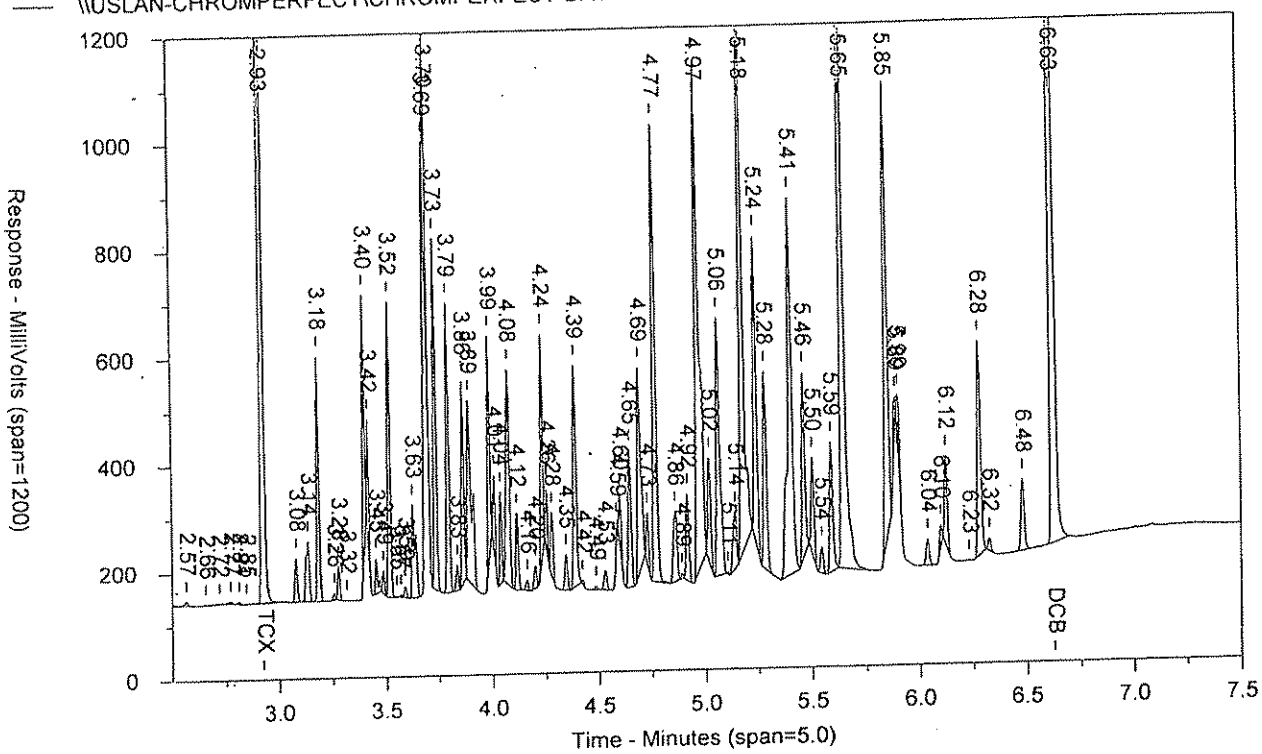

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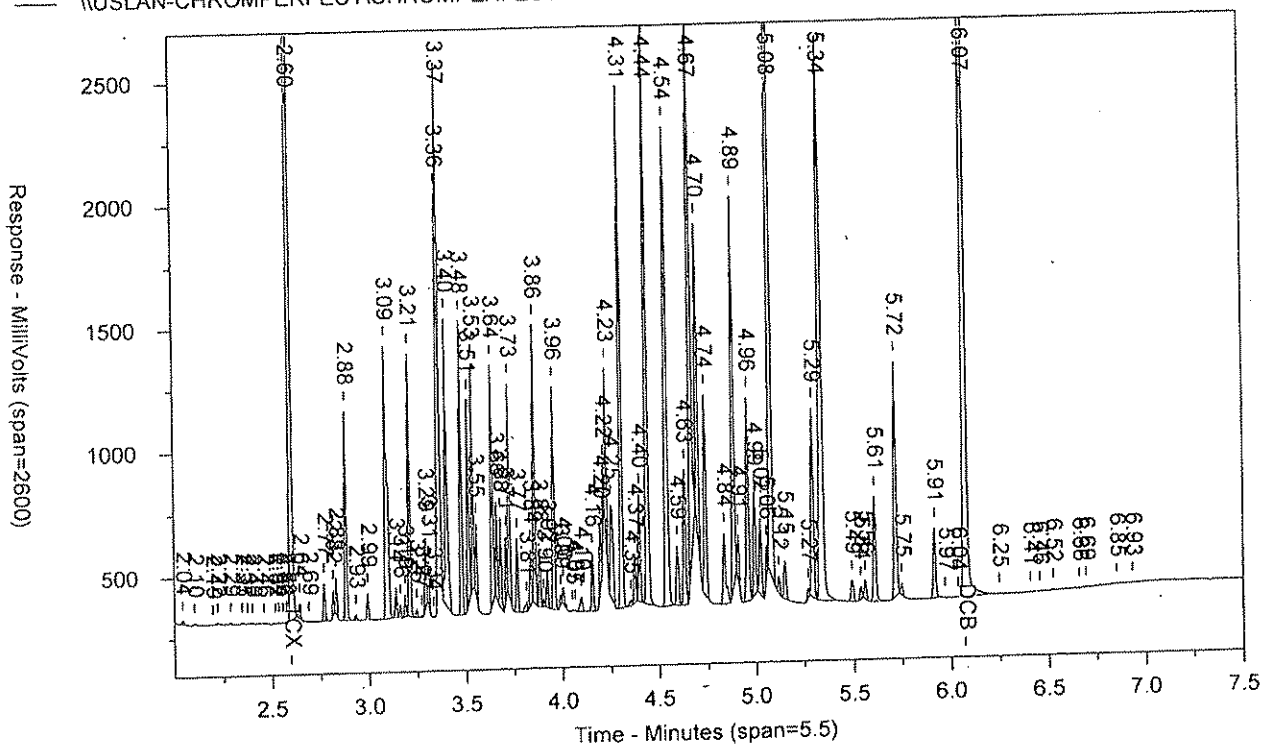

LANCASTER LABORATORIES

Sample Number: AR1631624B BKAR163BK CCAL 1625499999 10736 SW-846 8082
Injected On: 9/12/2016 4:57:21 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c.to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
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	5604164	41.422	TCX	2.599	10668160	43.435	TCX
6.626	2972065	44.463	DCB	6.073	8376767	44.033	DCB

Files:
Area File: 25pcbs16207031.0049.RAW
Area File: 25pcbs16207031B.0049.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 5:02:12 AM
File Reported On: 9/12/2016 at 5:06:01 AM

AR1631624B BKAR163BK CCAL 1625499999 10736 SW-846 8082

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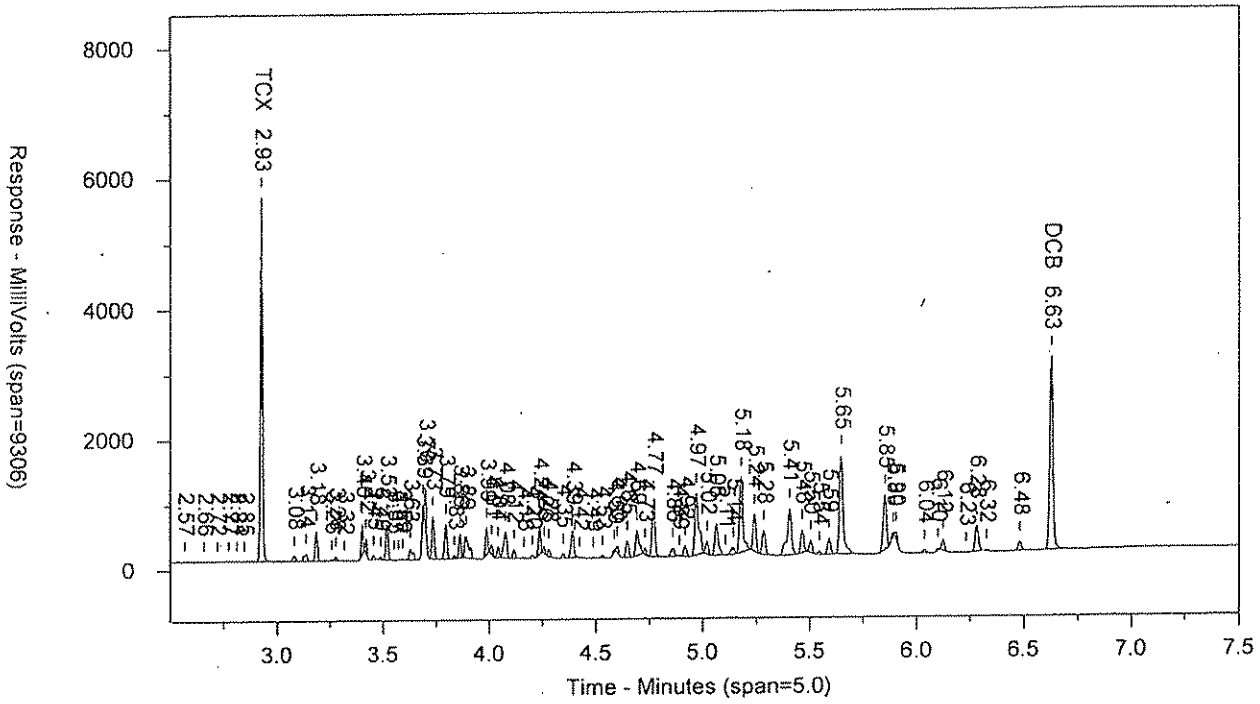

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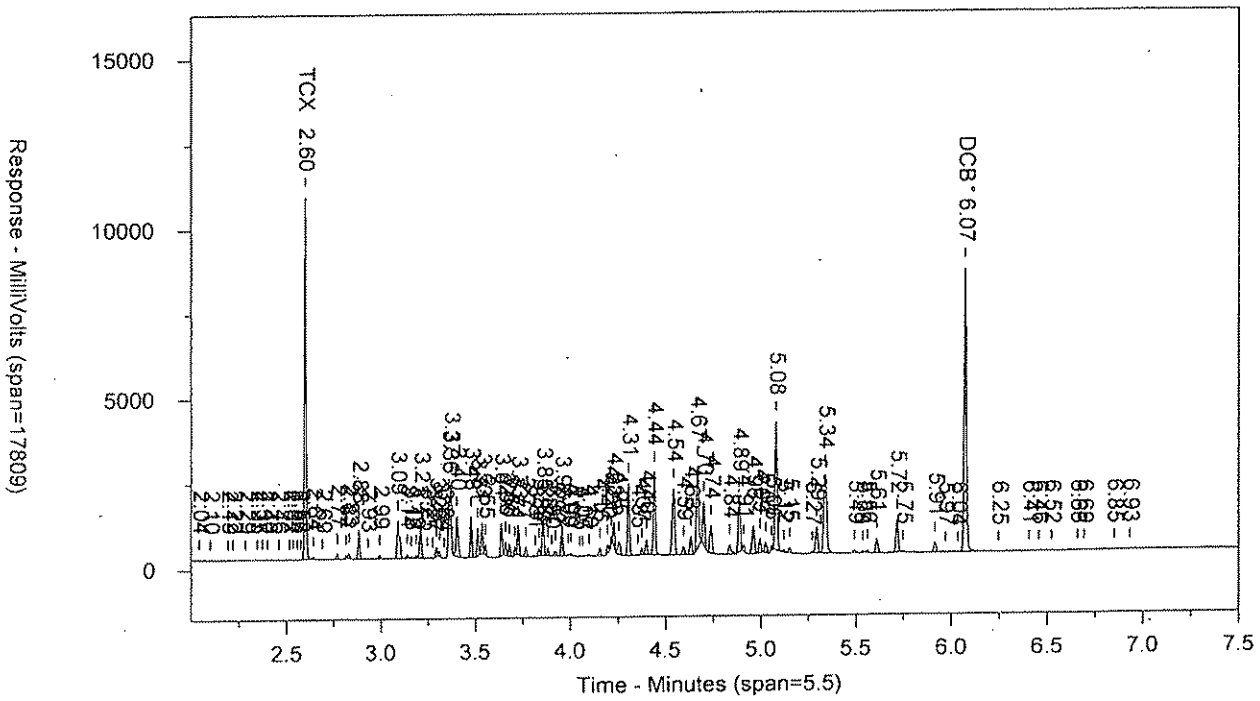

LANCASTER LABORATORIES

Sample Number: IBLKX1624B KKPIBLKKK PIBLK1625499999 10736 SW-846 8082
Injected On: 9/12/2016 5:08:40 AM 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: 25pcbs16207031.0050.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.033		1928	4814
2.087		19717	41855
2.217		16098	12832
2.309		40307	26658
2.373		9405	8427
2.409		9894	13072
2.488		7738	6969
2.569		3446	5490
2.661		2900	2843
2.721		969	529
2.774		19423	20519
2.811		9320	7425
2.845		1403	1135
2.925	TCX	3260968	2124906
3.012		2068	2213
3.058		1064	798
3.09		1753	1574
3.126		45490	30685
3.174		9202	9640
3.257		9384	9387
3.327		1301	825
3.4		2809	2678
3.472		1150	1014
3.512		8552	8125
3.572		3295	3955
3.67		8240	8127
3.74		3741	5031
3.792		1076	774
3.827		8632	8788
3.898		2308	2112
3.968		973	682
4.012		1359	1138
4.063		4338	6543
4.111		1535	1797
4.148		7153	6816
4.203		21419	22057
4.236		3216	2137
4.277		1702	1243
4.308		2329	1800
4.392		9080	11508
4.485		9158	11877
4.532		3363	3273
4.585		6436	8874
4.646		10589	9522
4.69		6594	6897
4.73		2664	1916
4.769		19986	20233
4.832		3942	3993
4.858		14014	14064
4.891		3568	2782
4.916		4261	3274
4.97		54750	62680
5.019		5184	4631
5.061		22633	28965

RT A	Compound A	Height A	Area A
5.133		7966	9856
5.178		47555	54339
5.239		20828	24967
5.284		12774	12578
5.383		4807	6077
5.406		17994	15182
5.465		10629	10160
5.506		10502	12682
5.546		5192	4807
5.591		7055	5937
5.611		2768	1826
5.645		64404	76632
5.764		4279	4906
5.817		3719	5337
5.852		37309	39244
5.904		11103	20979
5.946		1475	1636
6.036		19557	18496
6.073		7627	6514
6.102		19437	16707
6.123		5931	3715
6.145		2394	1967
6.235		1008	769
6.28		19525	19301
6.345		2800	2585
6.368		2200	2324
6.48		22860	23895
6.55		595	2306
6.626	DCB	1726496	1782977
6.869		2096	6518
6.96		766	1628

LANCASTER LABORATORIES

Sample Number: IBLKX1624B KKPIBLKKK PIBLK1625499999 10736 SW-846 8082
Injected On: 9/12/2016 5:08:40 AM 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: 25pcbs16207031B.0050.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.043		8913	9314
2.102		8622	8918
2.145		3105	2792
2.183		4761	4542
2.219		12582	13226
2.344		7961	6737
2.373		2906	1660
2.397		2962	2751
2.458		3358	6079
2.517		4836	2958
2.534		34856	26237
2.575		3876	2406
2.599	TCX	5960389	3411353
2.661		1833	1095
2.69		2984	3820
2.756		4299	4053
2.816		69800	44005
2.932		15135	9364
3.023		2081	1378
3.053		2069	2507
3.09		1849	1132
3.115		3246	2739
3.155		2450	1447
3.189		2192	3012
3.215		1233	1435
3.274		5849	3298
3.312		12747	8744
3.337		2441	1088
3.358		3464	3989
3.387		3961	6010
3.435		3087	2226
3.511		4093	2449
3.541		7622	6501
3.571		7543	7680
3.642		5733	3890
3.698		4717	5225
3.793		2183	1544
3.814		2287	1583
3.84		2022	1526
3.859		9766	6235
3.885		3283	1805
3.921		45310	42271
3.957		12485	8272
3.988		5909	5646
4.053		6664	7497
4.098		3236	3042
4.13		4765	3100
4.155		7915	4476
4.175		3792	3437
4.215		21304	29652
4.254		6815	6238
4.305		39532	30736
4.333		2818	3413
4.374		19250	13222

RT B	Compound B	Height B	Area B
4.408		22896	24894
4.441		56586	48493
4.497		57427	42794
4.542		38725	35205
4.59		14525	10847
4.618		24483	36129
4.668		69974	60554
4.701		33169	23521
4.742		31107	34201
4.814		4517	3290
4.836		4721	4187
4.887		42147	31404
4.911		9747	6257
4.96		22507	19766
5.004		10908	14115
5.028		14395	10595
5.057		3906	2042
5.079		108900	90596
5.123		3873	2674
5.152		20500	16513
5.23		1910	1613
5.271		1386	846
5.294		23010	19178
5.339		73013	78943
5.441		4196	4085
5.493		43000	46555
5.561		35241	31528
5.61		19842	24139
5.716		33170	28556
5.749		2413	2013
5.806		11443	12684
5.916		47329	40398
5.949		1955	1198
6.074	DCB	4580527	3807676
6.238		1409	1461
6.285		2770	3495
6.321		2030	947
6.395		1321	1431
6.463		1216	1745
6.522		3252	2174
6.545		2717	2444
6.627		2316	3529
6.718		1515	3557
6.766		1999	2999
6.848		3758	7959
6.97		3660	3656

IBLKX1624B KKPIBLKKK PIBLK1625499999 10736 SW-846 8082

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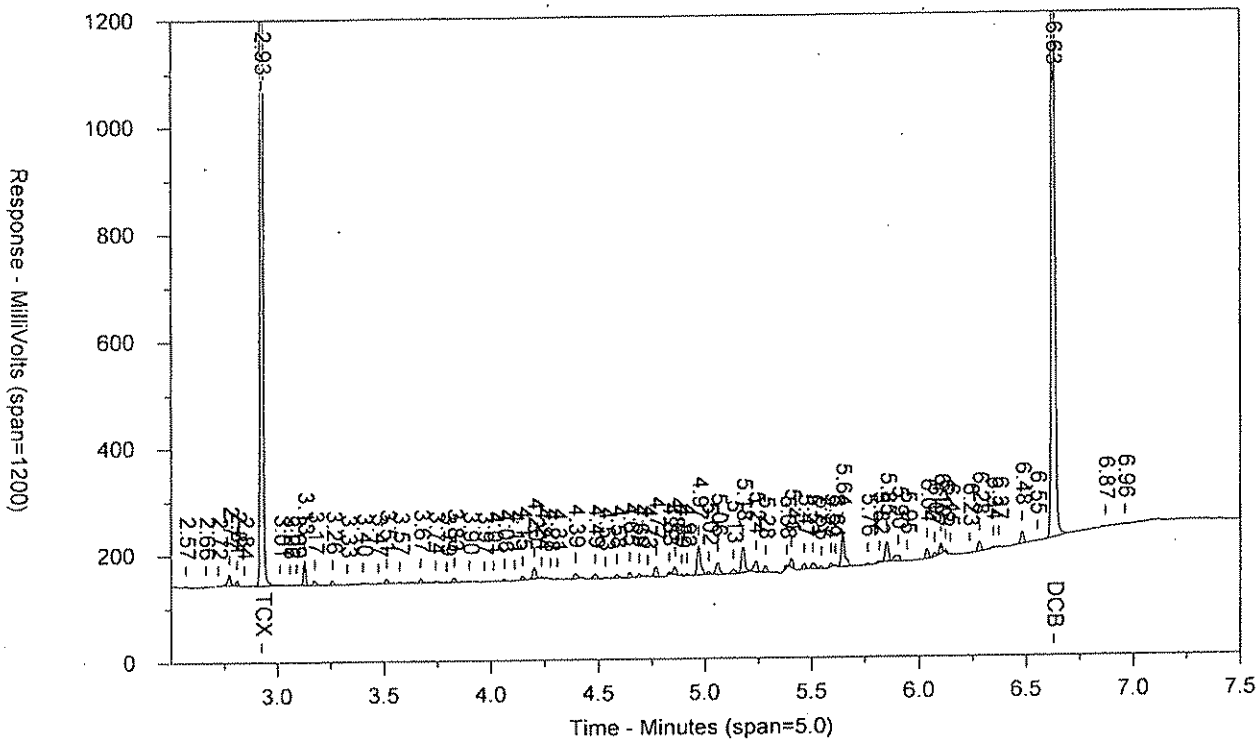

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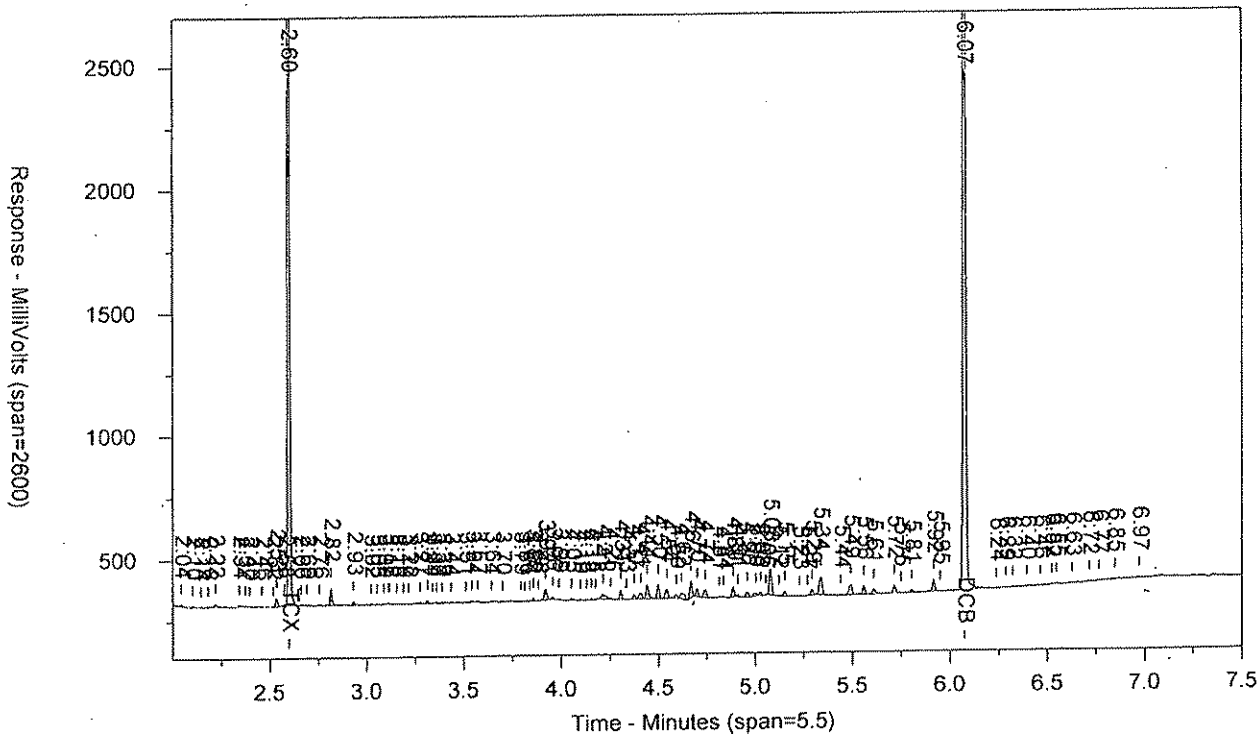

LANCASTER LABORATORIES

Sample Number: IBLKX1624B KKPIBLKKK PIBLK1625499999 10736 SW-846 8082
Injected On: 9/12/2016 5:08:40 AM
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: 4
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	3260968	.241	TCX	2.599	5960389	.243	TCX
6.626	1726496	.258	DCB	6.074	4580527	.241	DCB

Files:
Area File: 25pcbs16207031.0050.RAW
Area File: 25pcbs16207031B.0050.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 5:13:27 AM
File Reported On: 9/12/2016 at 5:17:19 AM

IBLKX1624B KKPIBLKKK PIBLK1625499999 10736 SW-846 8082

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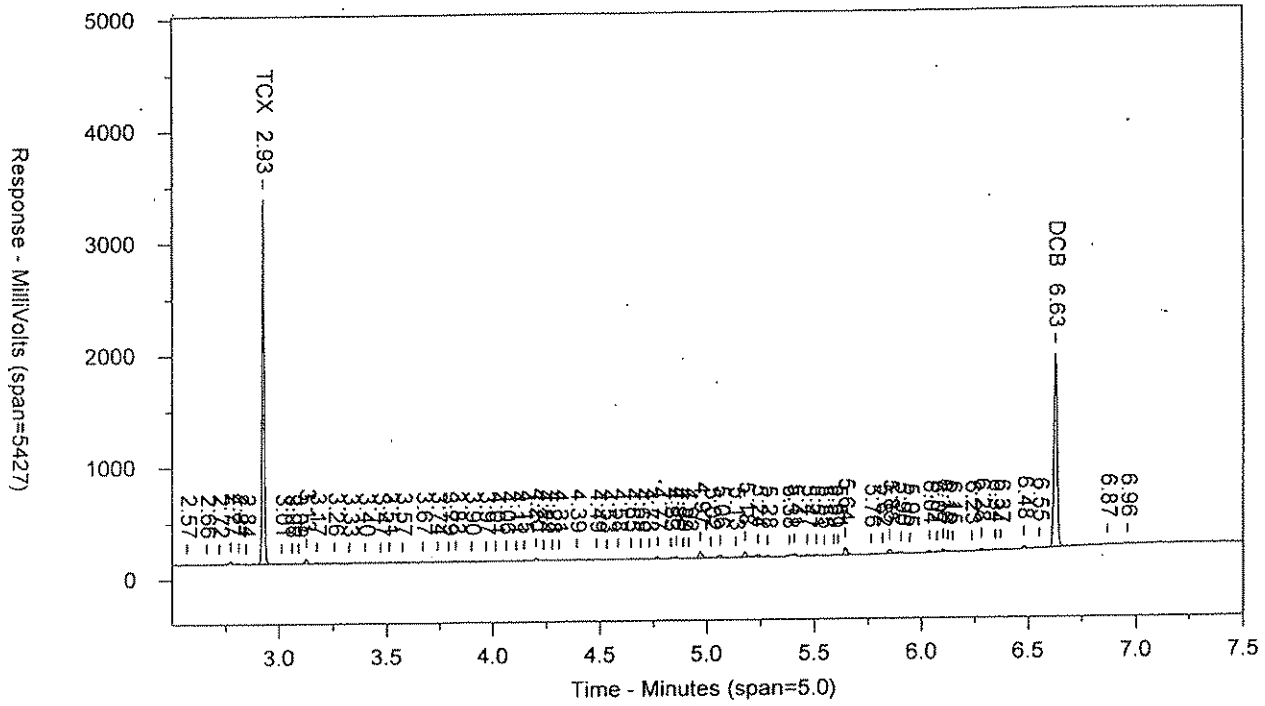

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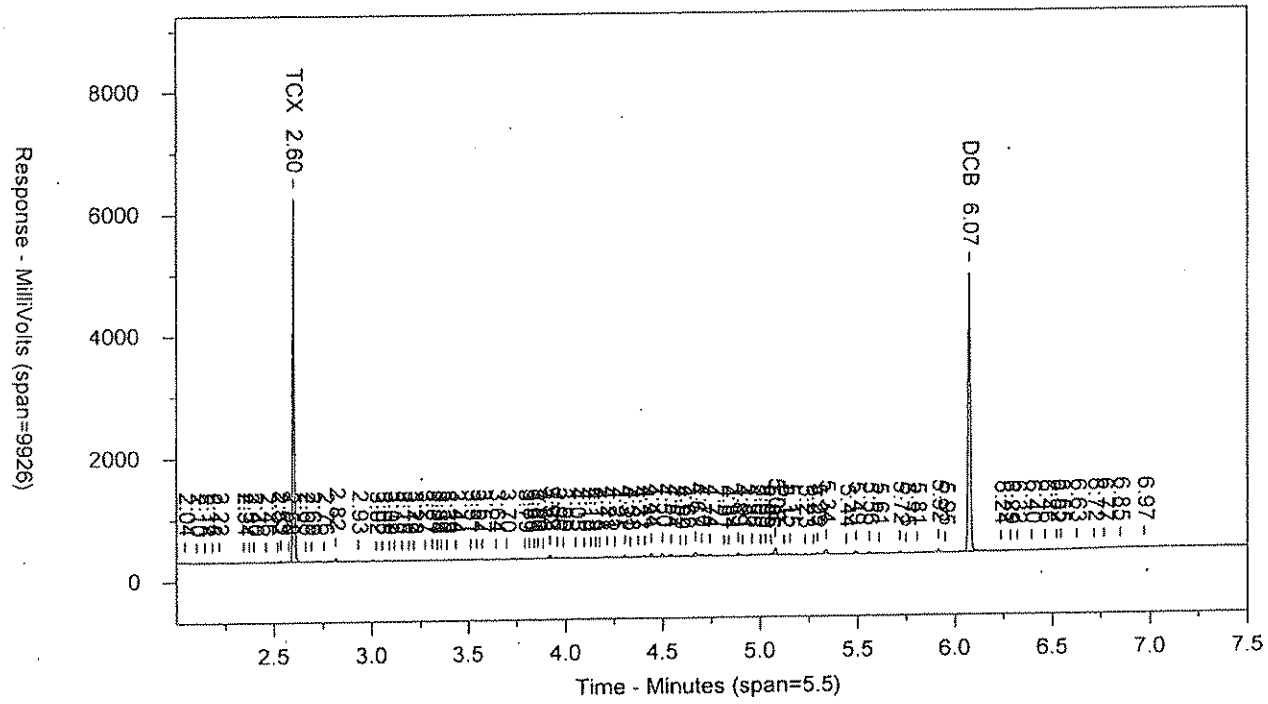

LANCASTER LABORATORIES

Sample Number: AR1631624B BLAR163BL CCAL 1625499999 10736 SW-846 8082
Injected On: 9/12/2016 7:47:48 AM 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: 25pcbs16207031.0064.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.045		1538	5707
2.088		11804	18462
2.147		2083	4010
2.216		27522	21074
2.309		6331	3559
2.328		10072	6450
2.374		5220	4757
2.408		1556	746
2.424		3005	1816
2.49		3910	4547
2.566		7948	7971
2.656		1039	939
2.697		664	537
2.773		4434	4554
2.81		2996	2683
2.844		1846	1716
2.925	TCX	5635698	3755782
3.079		81714	70238
3.136		110788	123451
3.185		454565	324766
3.258		11925	7111
3.279		62346	40856
3.319		1574	1209
3.401		465544	280690
3.418		229069	119837
3.455		62701	35834
3.471		17624	7436
3.488		41252	23611
3.518		556122	419552
3.553		3075	1524
3.572		5370	3423
3.592		21735	13958
3.629		122446	73971
3.643		62255	31074
3.689		275626	145632
3.699		564854	287431
3.736		646806	493749
3.795		538757	428259
3.835		50986	35028
3.863		378573	280407
3.89		280671	238762
3.912		91384	50492
3.988		408819	303270
4.011		146319	95064
4.042		172594	126621
4.079		399773	433282
4.119		143650	117455
4.164		19808	14384
4.204		38885	34264
4.238		402183	308191
4.258		109900	65481
4.282		121124	89319
4.35		68931	57744
4.393		404220	387003

RT A	Compound A	Height A	Area A
4.427		9278	5618
4.49		6040	5153
4.532		41808	41037
4.587		37460	25707
4.601		94542	66342
4.648		262323	240068
4.693		386369	446029
4.731		99607	72716
4.77		845483	818482
4.861		129547	151613
4.892		12298	7953
4.918		155747	149917
4.971		927291	1220878
5.02		199257	180033
5.064		493328	576315
5.143		106659	130576
5.179		1109692	1276776
5.242		568782	524752
5.285		367124	368950
5.386		21664	38964
5.407		597578	570939
5.465		329999	328467
5.506		180381	162176
5.545		51709	49160
5.59		236430	243754
5.646		1524618	1776753
5.853		829083	917157
5.904		265154	496191
6.037		55726	55976
6.102		43949	33911
6.125		165057	153387
6.282		393702	428165
6.327		26443	24012
6.413		885	742
6.483		138647	156798
6.582		860	959
6.628	DCB	2798415	3145951

LANCASTER LABORATORIES

Sample Number: AR1631624B BLAR163BL CCAL 1625499999 10736 SW-846 8082
Injected On: 9/12/2016 7:47:48 AM 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: 25pcbs16207031B.0064.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.042		14318	11354
2.101		5469	6163
2.181		937	931
2.219		6825	7892
2.286		9089	6216
2.345		5197	4775
2.377		1083	654
2.4		1272	1396
2.459		2799	7984
2.518		2342	4633
2.533		5705	3369
2.556		1720	897
2.577		1752	1039
2.599	TCX	10655740	6115961
2.643		62658	41436
2.699		2411	3196
2.77		159014	100446
2.816		101962	47389
2.831		156034	77426
2.883		843825	502344
2.931		22602	12963
2.993		111104	64609
3.053		1166	987
3.089		1107487	1019536
3.14		133384	76553
3.162		57126	31032
3.187		90132	47978
3.21		1042242	678245
3.247		36103	20632
3.275		8641	4087
3.294		279010	143174
3.309		162183	76146
3.369		2128249	2126854
3.402		1153211	854596
3.477		1186257	706569
3.512		830391	495046
3.535		881996	487207
3.553		287394	146863
3.639		993655	632199
3.662		391318	208766
3.682		358024	206707
3.711		248915	123706
3.728		880950	495545
3.768		301828	203685
3.815		38188	33368
3.837		219335	130787
3.859		1109705	707568
3.884		229416	136120
3.904		36878	17329
3.923		157891	97503
3.958		908417	583465
3.991		40710	22184
4.005		68260	41463
4.066		8222	9427

RT B	Compound B	Height B	Area B
4.1		61455	58137
4.132		3146	1733
4.157		238242	159597
4.199		253074	145230
4.216		232988	110473
4.23		676711	366169
4.255		368718	365436
4.307		2040459	1501525
4.354		24832	19785
4.376		194293	122353
4.4		449572	316796
4.442		2412531	1779873
4.543		1947888	1800018
4.596		236901	192449
4.634		519875	451277
4.67		2514377	1977350
4.702		1218038	841356
4.74		829527	627395
4.837		279427	277164
4.888		1583580	1200257
4.911		187098	115857
4.961		824901	708775
4.996		416415	313560
5.026		309652	245786
5.058		109681	65507
5.08		3743061	2938742
5.121		62686	42635
5.153		168530	129285
5.271		36187	23182
5.294		740303	599579
5.339		2351655	2526916
5.494		103501	86680
5.539		50727	35456
5.562		91741	66888
5.61		418465	364502
5.717		945007	759173
5.748		43067	30302
5.916		290942	243568
5.968		1623	1044
6.038		957	896
6.075	DCB	8088853	6941232
6.247		1704	1634
6.397		1006	647
6.475		1282	2234
6.527		7771	9594
6.6		1138	1145
6.698		1561	1327
6.802		731	2360

AR1631624B BLAR163BL CCAL 1625499999 10736 SW-846 8082

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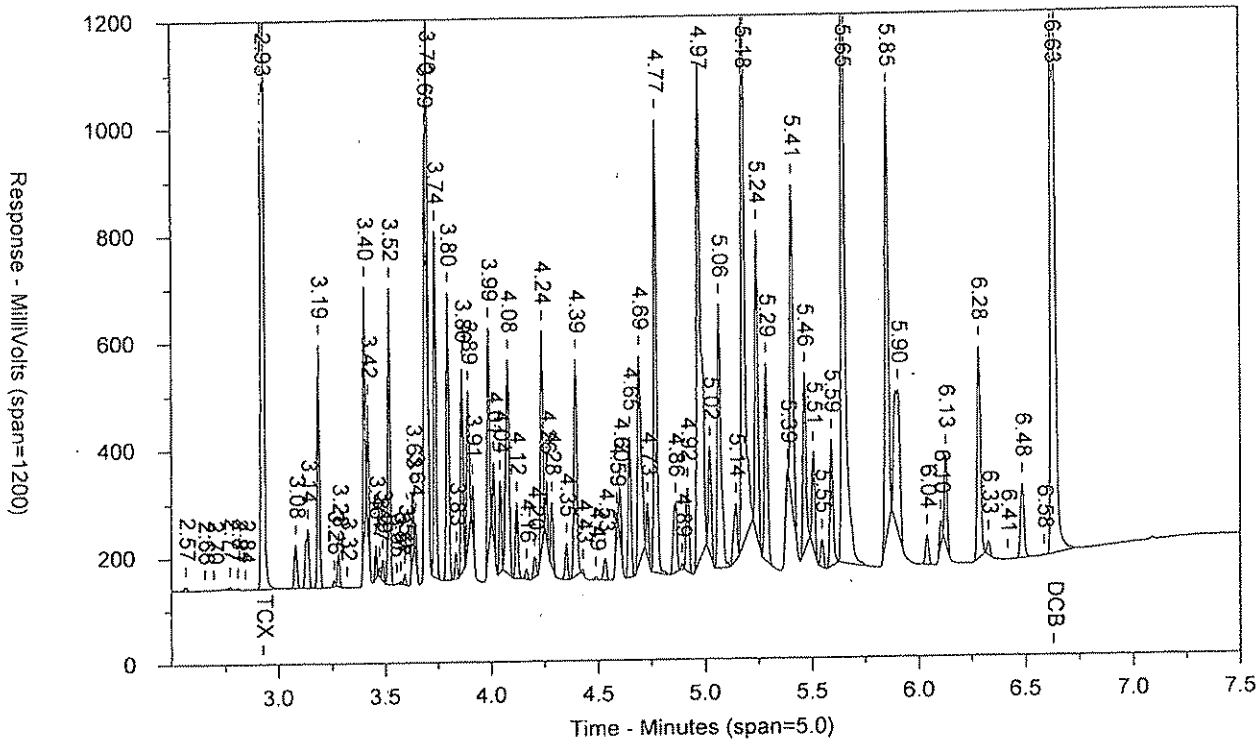

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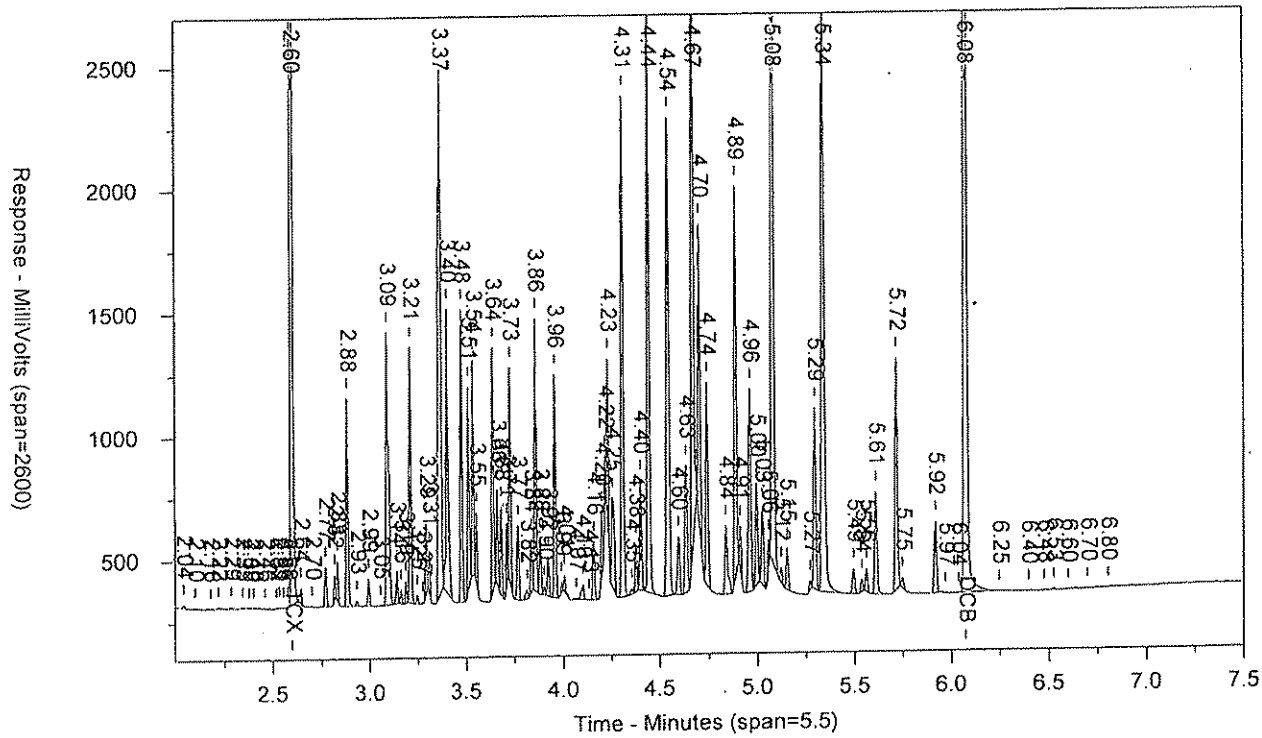

LANCASTER LABORATORIES

Sample Number: AR1631624B BLAR163BL CCAL 1625499999 10736 SW-846 8082
Injected On: 9/12/2016 7:47:48 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
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	5635698	41.655	TCX	2.599	10655740	43.384	TCX
6.628	2798415	41.866	DCB	6.075	8088853	42.52	DCB

Files:
Area File: 25pcbs16207031.0064.RAW
Area File: 25pcbs16207031B.0064.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 7:56:20 AM
File Reported On: 9/12/2016 at 7:56:31 AM

AR1631624B BLAR163BL CCAL 1625499999 10736 SW-846 8082

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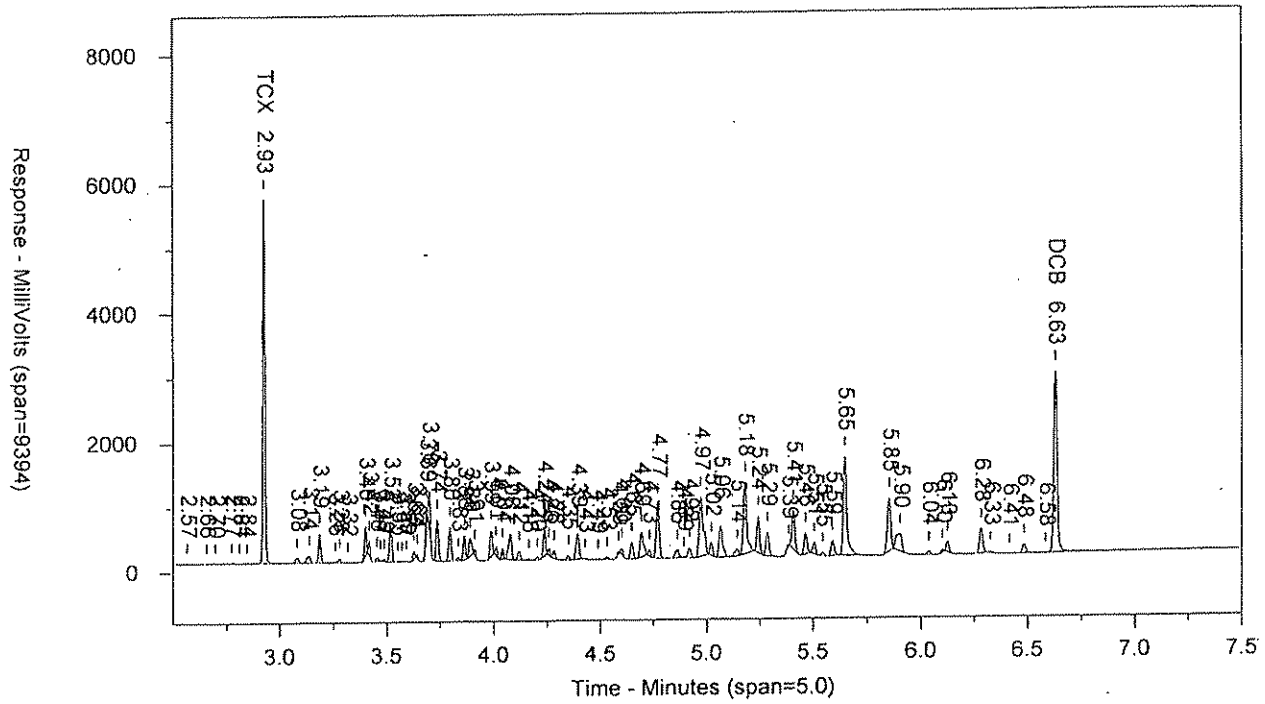

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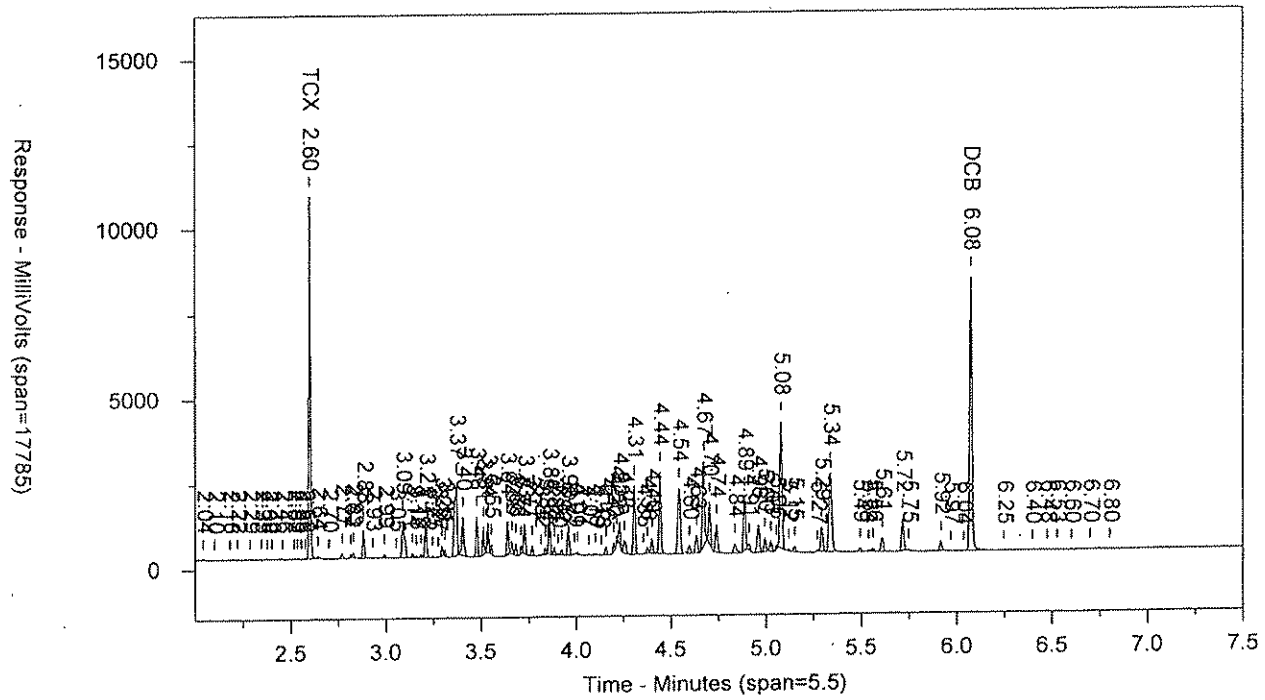

LANCASTER LABORATORIES

Sample Number: IBLKX1624B KLPIBLKKL PIBLK1625499999 10736 SW-846 8082
Injected On: 9/12/2016 7:59:13 AM 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: 25pcbs16207031.0065.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.035		1985	5002
2.088		14226	20723
2.217		15531	12071
2.308		16626	10438
2.328		4984	2850
2.373		5838	5495
2.41		1051	680
2.49		4207	5630
2.552		1003	689
2.662		1435	1586
2.774		14653	14798
2.812		2332	1665
2.849		1066	1250
2.887		894	641
2.925	TCX	3049070	2073029
3.093		842	735
3.127		43676	30110
3.174		2783	3326
3.258		8450	6025
3.328		1025	730
3.402		1425	1556
3.516		1577	1348
3.574		4466	2980
3.672		6168	5861
3.743		2496	3597
3.793		1003	820
3.83		2139	2198
3.899		1223	985
4.065		4862	5425
4.114		1181	1149
4.152		1278	1161
4.205		21418	25447
4.311		2593	2475
4.404		2205	2657
4.488		2044	2453
4.588		1295	1608
4.694		1066	879
4.834		1601	1854
4.896		4397	4228
4.991		685	1177
5.057		1485	1818
5.135		7473	7389
5.182		1676	2037
5.323		2830	7078
5.402		1443	5972
5.516		861	946
5.547		6122	6229
5.613		6453	6784
5.667		13051	12355
5.704		1315	1017
5.805		2386	3023
6.039		18804	18063
6.074		10139	8901
6.104		18755	21330

RT A	Compound A	Height A	Area A
6.237		849	2550
6.348		8920	10465
6.484		19543	23019
6.63	DCB	1609677	1778237

LANCASTER LABORATORIES

Sample Number: IBLKX1624B KLPIBLKKL PIBLK1625499999 10736 SW-846 8082
Injected On: 9/12/2016 7:59:13 AM 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: 25pcbs16207031B.0065.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.042		8211	8052
2.101		5451	5572
2.165		984	435
2.218		8076	8983
2.347		5575	5183
2.373		1864	1123
2.459		1375	896
2.516		3335	4000
2.533		23982	17417
2.577		1810	1263
2.599	TCX	5728157	3350702
2.701		2055	2479
2.756		1927	1802
2.816		68300	40459
2.932		13270	8621
3.024		1181	1092
3.057		1652	1307
3.107		2240	3047
3.17		2039	2535
3.275		8397	4559
3.312		8739	5345
3.358		2931	3763
3.412		1856	2260
3.436		2699	1963
3.513		2485	1845
3.543		4445	3395
3.572		9228	8657
3.62		1116	771
3.666		2380	2145
3.714		2039	3981
3.743		1826	2270
3.796		1229	952
3.815		1563	1207
3.844		1511	913
3.922		39982	45057
4.054		6286	7720
4.133		3055	4133
4.18		2154	2058
4.208		4737	4661
4.296		1266	1087
4.313		1024	797
4.417		8271	6809
4.459		2014	2026
4.618		6616	15535
4.733		7373	56310
4.959		1348	1247
4.995		1220	1122
5.031		14630	13093
5.072		4875	5096
5.125		2283	3645
5.154		23578	21020
5.449		1131	1109
5.493		46666	49960
5.562		38352	34545

RT B	Compound B	Height B	Area B
5.612		10306	16316
5.724		861	645
5.815		2443	2442
5.916		34414	28617
5.951		1765	2165
6.075	DCB	4354564	3809755
6.423		1178	2560
6.456		1378	796
6.528		3394	3010
6.55		1474	1432
6.749		858	4334
6.921		736	7844

IBLKX1624B KLPIBLKKL PIBLK1625499999 10736 SW-846 8082

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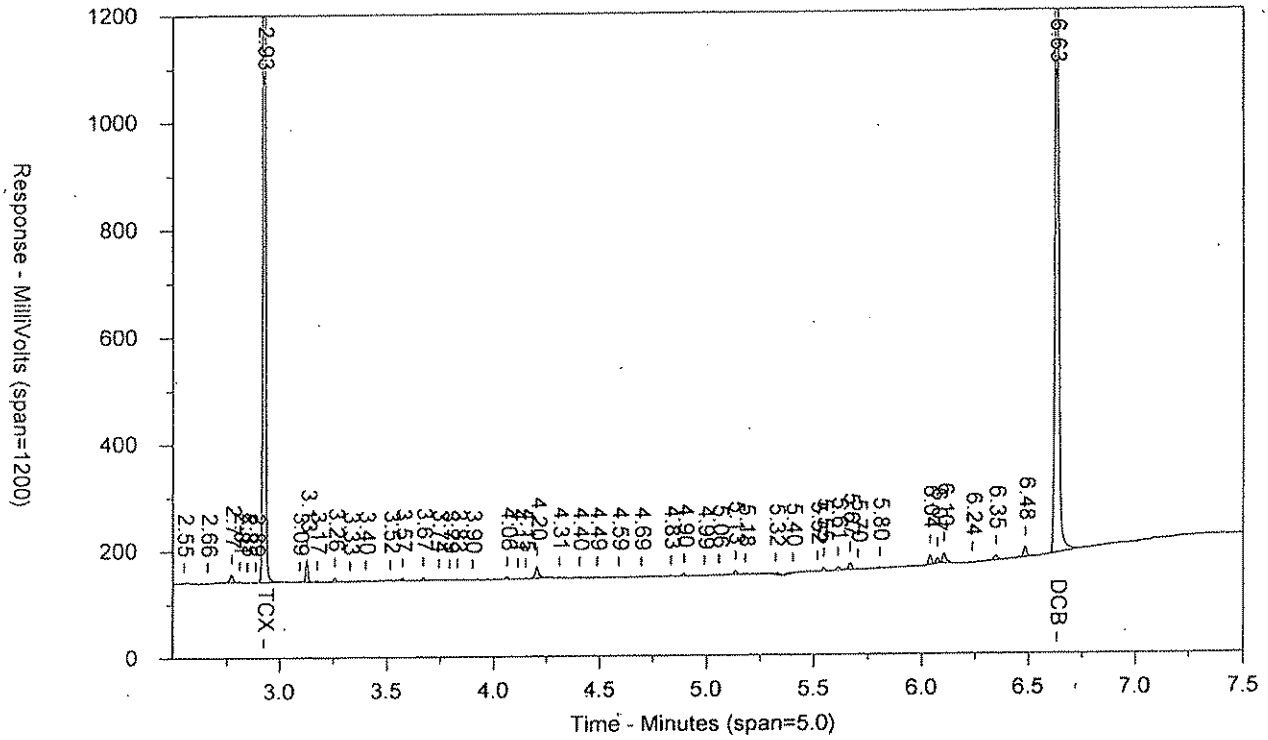

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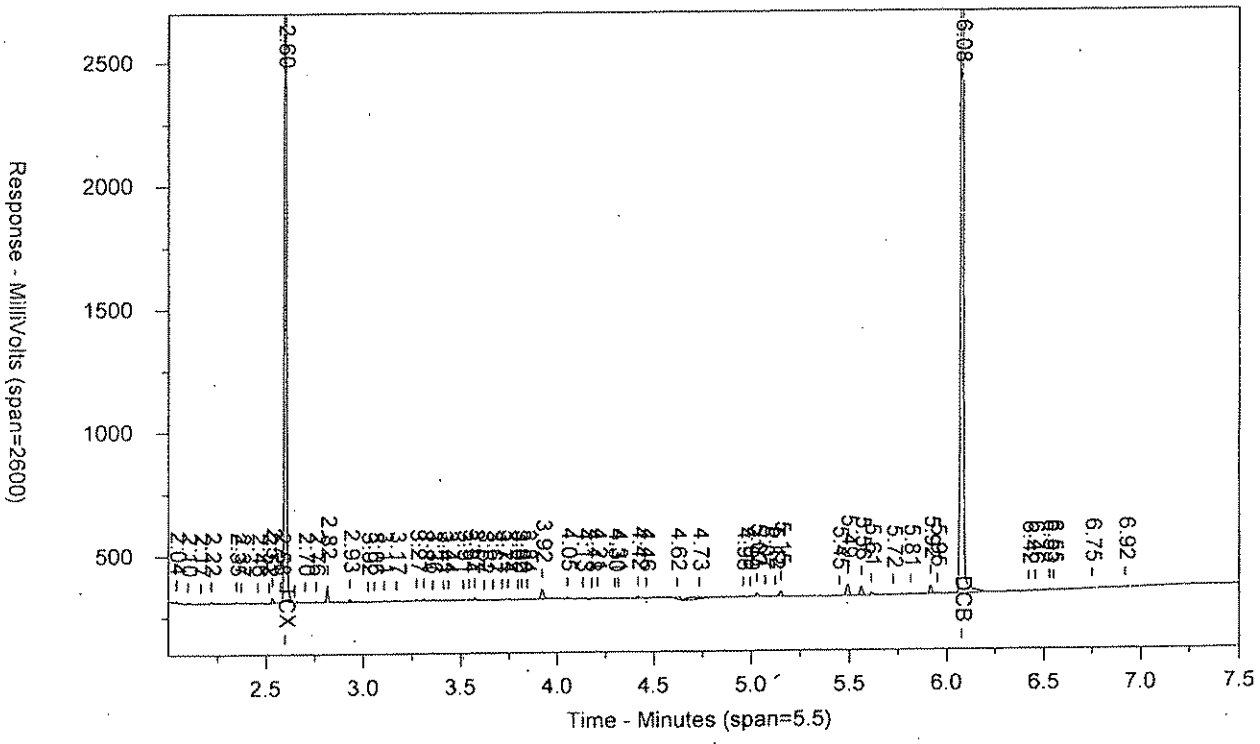

LANCASTER LABORATORIES

Sample Number: IBLKX1624B KLPIBLKKL PIBLK1625499999 10736 SW-846 8082
Injected On: 9/12/2016 7:59:13 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
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	3049070	.225	TCX	2.599	5728157	.233	TCX
6.63	1609677	.241	DCB	6.075	4354564	.229	DCB

Files:
Area File: 25pcbs16207031.0065.RAW
Area File: 25pcbs16207031B.0065.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 8:07:43 AM
File Reported On: 9/12/2016 at 8:07:53 AM

IBLKX1624B KLPIBLKKL PIBLK1625499999 10736 SW-846 8082

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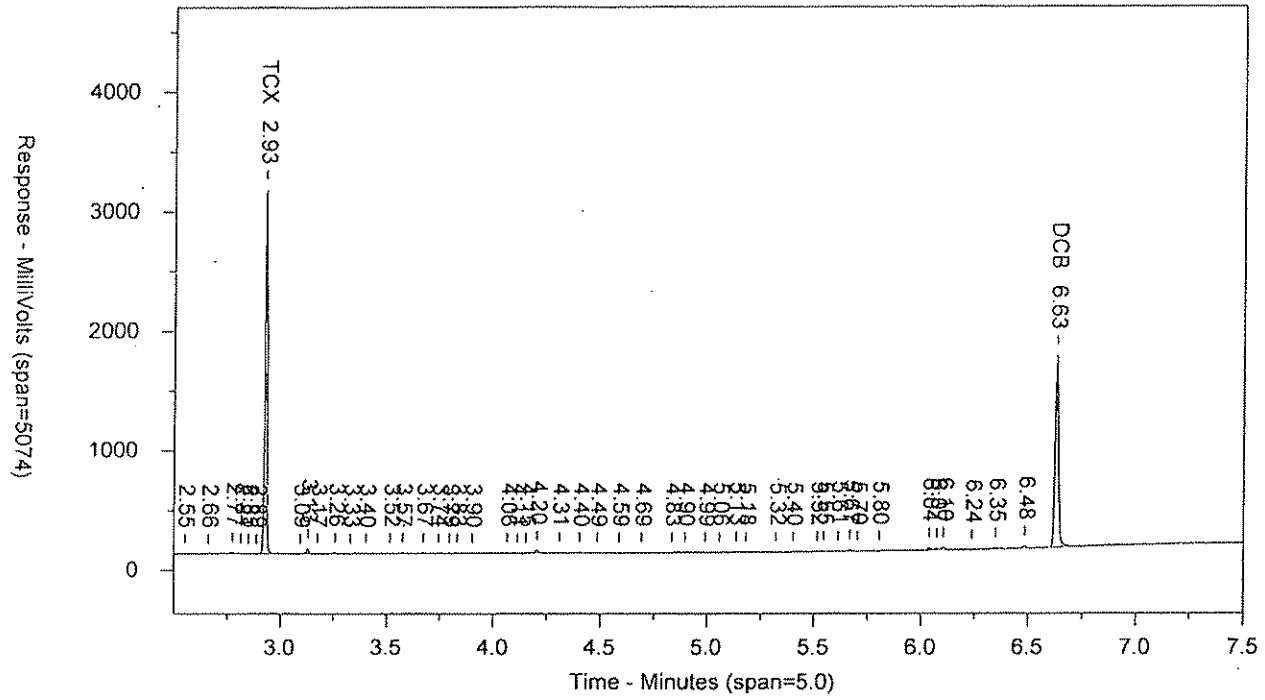

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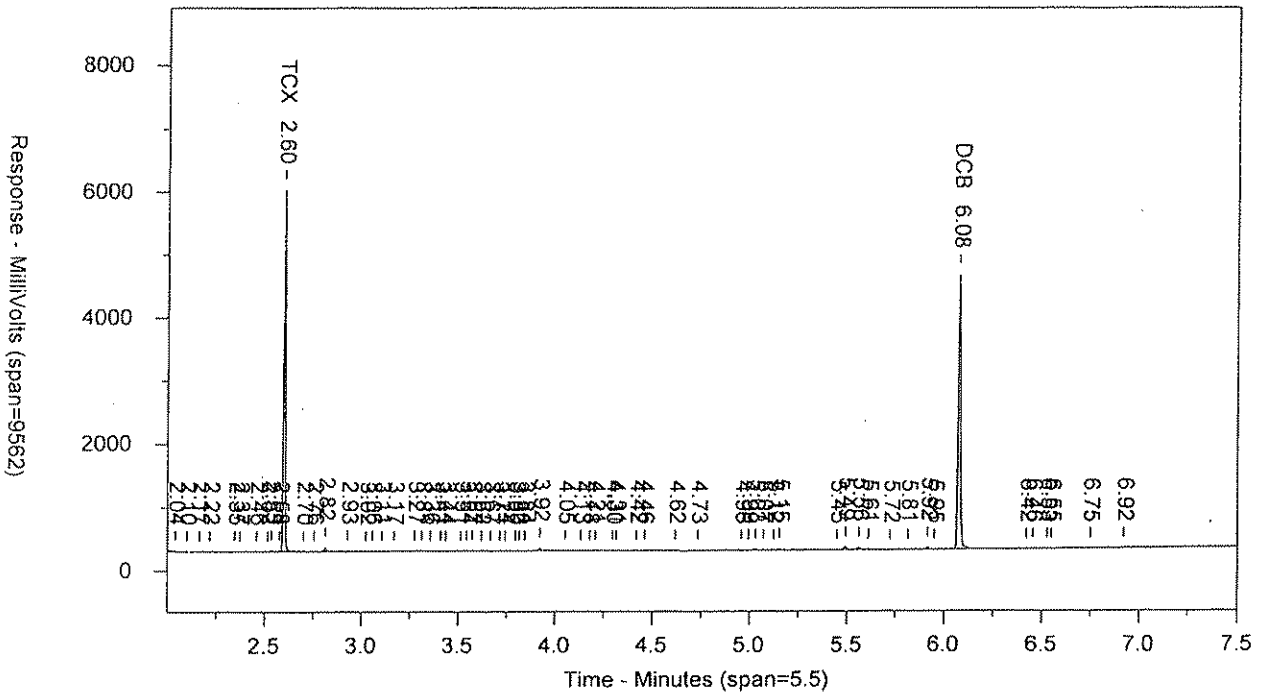

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Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs16257001.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 45

	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	1625699999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	
5	IBLKX1624B	5	PIBLK	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1625699999	10736
6	EVALX1624A	6	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
7	AR1611624B	7	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	1	1625699999	10736
8	AR1621624B	8	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	2	1625699999	10736
9	AR1631624B	9	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	3	1625699999	10736
10	AR1641624B	10	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	4	1625699999	10736
11	AR1651624B	11	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	5	1625699999	10736
12	AR4811624B	12	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
13	AR4821624B	13	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
14	AR4831624B	14	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
15	AR4841624B	15	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
16	AR4851624B	16	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
17	AR5411624A	17	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
18	AR5421624B	18	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
19	AR5431624A	19	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
20	AR5441624A	20	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
21	AR5451624A	21	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
22	AR6231624A	22	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
23	AR6831624B	23	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
24	AR2131624A	24	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
25	AR3231624D	25	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
26	AR4231624A	26	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
27	AR16XX1624B	27	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
28	MD16X1624B	28	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
29	IC16X1624B	29	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
30	IC48X1624B	30	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
31	IC54X1624A	31	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
32	AR1631624B	32	CCAL	CG	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
33	IBLKX1624B	33	PIBLK	LL	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1625699999	10736
34	8552923MS RI ACF DF5	34	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.33	50	1	0	162500042A	10736
35	8552924MSD RI ACF DF5	35	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.15	50	1	0	162500042A	10736
36	8552926 RI ACF DF5	36	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.25	50	1	0	162500042A	10736
37	8552927 RI ACF	37	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.16	10	1	0	162500042A	10736
38	8552928 RI ACF DF5	38	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.32	50	1	0	162500042A	10736
39	8552929 RI ACF DF5	39	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.33	50	1	0	162500042A	10736
40	8552930 RI ACF DF5	40	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.08	50	1	0	162500042A	10736
41	8552931 RI ACF	41	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.12	10	1	0	162500042A	10736
42	8552948 RI ACF	42	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.26	10	1	0	162500042A	10736
43	8552949 RI ACF DF5	43	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.38	50	1	0	162500042A	10736
44	AR1631624B	44	CCAL	CF	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1625699999	10736
45	IBLKX1624B	45	PIBLK	LK	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1625699999	10736

HMM 7243 9/14/16

KBT 9065 9/13/16

Set-up by: 9065 Date: 9/13/16

9/13/2016

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20PCBS16257005.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 84

	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	1626399999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	
5	AR1631624B	5	CCAL	EU	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	10736
6	IBLKX1624B	6	PIBLK	PM	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1626399999	10736
7	8570344ACF	7	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.23	10	1	0	162530010A	10225
8	BLANKA 9/19/16 ACF	8	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	162630002A	10225
9	LCSA 9/19/16 ACF	9	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	162630002A	10225
10	8572568ACF DF50	10	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.29	500	1	0	162630002A	10225
11	8572569ACF DF10	11	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.21	100	1	0	162630002A	10225
12	8572570ACF DF10	12	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.48	100	1	0	162630002A	10225
13	8572571ACF DF20	13	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.33	200	1	0	162630002A	10225
14	8572572ACF DF50	14	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.04	500	1	0	162630002A	10225
15	8572572ACF DF100	15	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.04	1000	1	0	162630002A	10225
16	8572573ACF DF5	16	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.4	50	1	0	162630002A	10225
17	8572573ACF DF10	17	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.4	100	1	0	162630002A	10225
18	8572586ACF DF20	18	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.42	200	1	0	162630002A	10225
19	8572586MSACF DF20	19	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.07	200	1	0	162630002A	10225
20	8572586MSDACF DF20	20	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.18	200	1	0	162630002A	10225
21	BLANKA 9/19/16 ACF	21	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	162630004A	10225
22	LCSA 9/19/16 ACF	22	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	162630004A	10225
23	8572574ACF DF20	23	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.07	200	1	0	162630004A	10225
24	8572575ACF DF10	24	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.49	100	1	0	162630004A	10225
25	8572576ACF DF5	25	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.32	50	1	0	162630004A	10225
26	8572577ACF DF20	26	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.23	200	1	0	162630004A	10225
27	AR1631624B	27	CCAL	EV	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	10736
28	IBLKX1624B	28	PIBLK	PN	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1626399999	10736
29	8572578ACF DF20	29	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.25	200	1	0	162630004A	10225
30	8572579MSACF DF20	30	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.14	200	1	0	162630004A	10225
31	8572580MSDACF DF20	31	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.17	200	1	0	162630004A	10225
32	8572581ACF DF20	32	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.38	200	1	0	162630004A	10225
33	8572582ACF DF20	33	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	200	1	0	162630004A	10225
34	8572583ACF DF50	34	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.12	500	1	0	162630004A	10225
35	8572584ACF DF20	35	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.15	200	1	0	162630004A	10225
36	8572585ACF DF100	36	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.34	1000	1	0	162630004A	10225
37	8572585ACF DF200	37	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.34	2000	1	0	162630004A	10225
38	8572587ACF DF50	38	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.3	500	1	0	162630004A	10225
39	8572587ACF DF100	39	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.3	1000	1	0	162630004A	10225
40	8572588ACF DF5	40	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.12	50	1	0	162630004A	10225
41	8572589ACF DF100	41	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.23	1000	1	0	162630004A	10225
42	8572590ACF DF10	42	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.49	100	1	0	162630004A	10225
43	8572591ACF DF100	43	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.05	1000	1	0	162630004A	10225
44	8572591ACF DF200	44	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.05	2000	1	0	162630004A	10225
45	8572591ACF DF500	45	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	10.05	5000	1	0	162630004A	10225
46	BLANKA 9/19/16 ACF	46	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	162630010A	10225
47	LCSA 9/19/16 ACF	47	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	162630010A	10225
48	AR1631624B	48	CCAL	EW	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	10736
49	IBLKX1624B	49	PIBLK	PO	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1626399999	10736
50	8585544ACF DF5	50	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.3	50	1	0	162630010A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20PCBS16257005.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 84

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 8585545ACF DF5	51	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.17	50	1	0	162630010A	10225
52 8585545ACF DF10	52	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.17	100	1	0	162630010A	10225
53 8585546ACF DF10	53	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.44	100	1	0	162630010A	10225
54 8585546ACF DF20	54	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.44	200	1	0	162630010A	10225
55 8585547ACF	55	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.14	10	1	0	162630010A	10225
56 8585548ACF DF5	56	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.45	50	1	0	162630010A	10225
57 8585548ACF DF10	57	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.45	100	1	0	162630010A	10225
58 8585549MSACF DF5	58	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.45	50	1	0	162630010A	10225
59 8585549MSACF DF10	59	MS	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.45	100	1	0	162630010A	10225
60 8585550MSDACF DF5	60	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.07	50	1	0	162630010A	10225
61 8585550MSDACF DF10	61	MSD	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.07	100	1	0	162630010A	10225
62 8585551ACF DF5	62	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.35	50	1	0	162630010A	10225
63 AR1631624B	63	CCAL	EX	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	10736
64 IBLKX1624B	64	PIBLK	PP	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1626399999	10736
65 BLANKA 9/19/16 ACF	65	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	162610022A	10885
66 LCSA 9/19/16 ACF	66	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	162610022A	10885
67 AR1631624B	67	CCAL	EY	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	10736
68 IBLKX1624B	68	PIBLK	PQ	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1626399999	10736
69 8572633ACF	69	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.46	10	1	0	162610022A	10885
70 8572634ACF	70	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.04	10	1	0	162610022A	10885
71 8572635ACF	71	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.42	10	1	0	162610022A	10885
72 8572636ACF	72	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.28	10	1	0	162610022A	10885
73 8572637ACF	73	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.09	10	1	0	162610022A	10885
74 8572638ACF	74	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.34	10	1	0	162610022A	10885
75 8572639ACF	75	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.18	10	1	0	162610022A	10885
76 8572640MSACF	76	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.06	10	1	0	162610022A	10885
77 8572641MSDACF	77	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.36	10	1	0	162610022A	10885
78 8572643ACF	78	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.38	10	1	0	162610022A	10885
79 AR1631624B	79	CCAL	EZ	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	10736
80 IBLKX1624B	80	PIBLK	PR	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1626399999	10736
81 8572644ACF	81	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.02	10	1	0	162610022A	10885
82 8572645ACF	82	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.38	10	1	0	162610022A	10885
83 AR1631624B	83	CCAL	FA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1626399999	10736
84 IBLKX1624B	84	PIBLK	PS	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1626399999	10736

2304 9/20/16

Set-up by: 2855 Date: 20 sept 16

9/20/2016

LANCASTER LABORATORIES

Sample Number: IBLKX1624B AAPIBLKAA PIBLK1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:23:33 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: 20pcbs16257001.0005.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.073		1414	1929
2.176		2959	8497
2.243		2325	4416
2.31		10233	7729
2.398		6151	4229
2.421		3980	2775
2.821		743	635
2.861		3791	3162
3.017	TCX	2208004	1467502
3.218		29690	19358
3.349		4631	2995
3.601		4118	4243
3.664		12932	9512
3.717		2406	2054
3.756		2705	2554
3.99		1268	1001
4.124		1139	2971
4.289		1168	1379
4.359		1334	1331
4.412		29813	30697
5.051		8738	10757
5.25		1250	1182
5.49		587	539
5.778		2447	2706
6.15		5898	5360
6.215		5854	6960
6.595		11744	11868
6.741	DCB	1181440	1261448
7.219		1412	2045

LANCASTER LABORATORIES

Sample Number: IBLKX1624B AAPIBLKAA PIBLK1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:23:33 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: 20pcbs16257001B.0005.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		11944	9839
2.167		2524	5562
2.225		2860	2856
2.426		2837	4707
2.534		2343	1725
2.563		19090	18166
2.632	TCX	7005837	4186368
2.796		3273	2294
2.849		88958	51408
2.966		18374	13348
3.135		3810	3816
3.172		2640	3315
3.198		3207	3541
3.292		5910	4243
3.308		40371	21905
3.343		9752	6862
3.392		6940	8542
3.433		9248	9337
3.467		5149	3870
3.57		3619	3909
3.664		4391	6113
3.697		2082	2766
3.728		5308	5613
3.84		4322	4725
3.912		3104	5464
3.96		2933	4253
4.092		102346	98820
4.223		2493	2232
4.515		2310	3228
4.599		29098	30073
4.685		2879	2310
4.833		1813	4233
5.078		3258	2827
5.201		9554	9235
5.544		24481	23058
5.611		20218	19569
5.967		45095	39298
5.999		2253	2185
6.127	DCB	5442647	4629772
6.579		4250	8327
8.233		5683	8406

IBLKX1624B AAPIBLKAA PIBLK1625699999 10736 SW-846 8082

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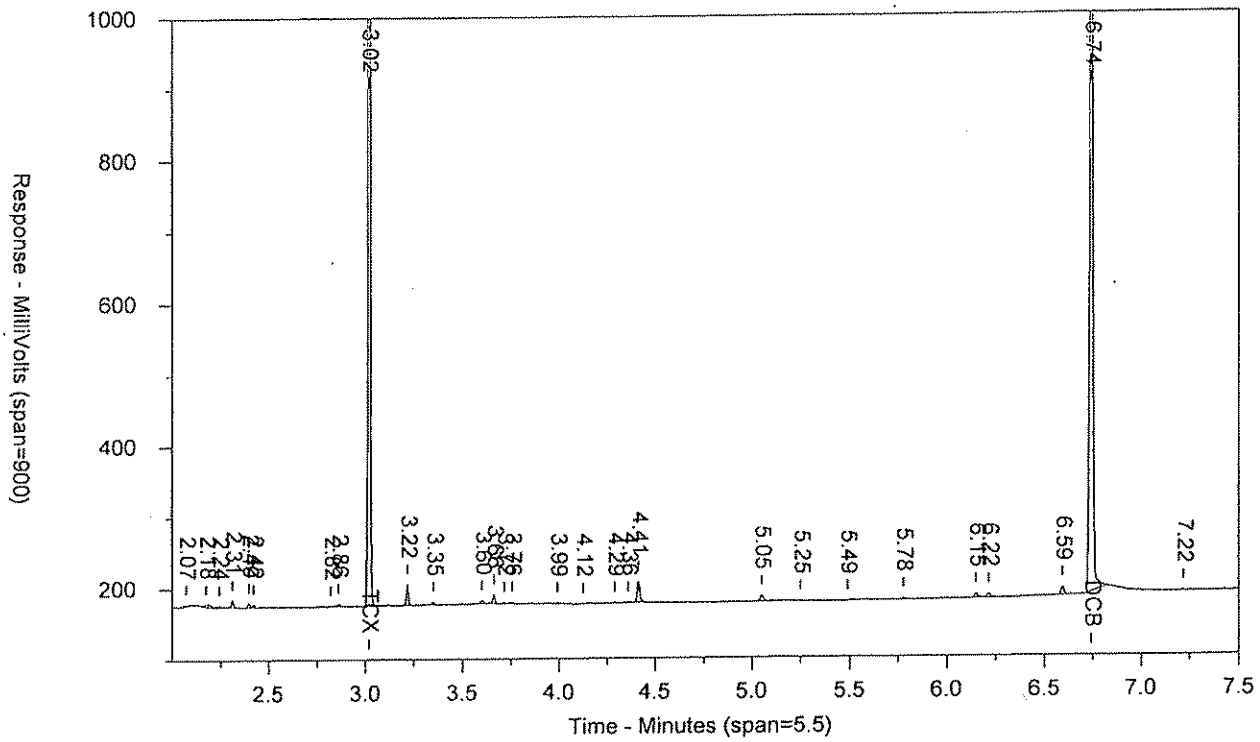

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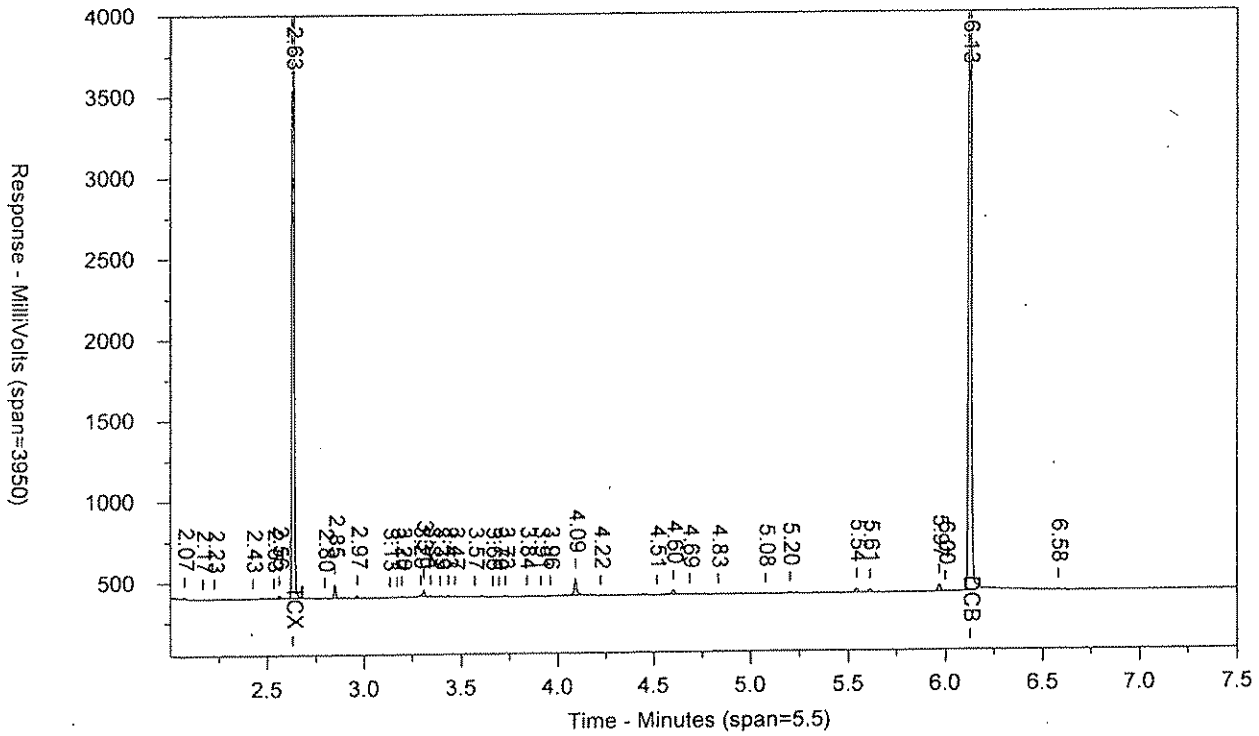

LANCASTER LABORATORIES

Sample Number: IBLKX1624B AAPIBLKAA PIBLK1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:23:33 PM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	2208004	.209	TCX	2.632	7005837	.216	TCX
6.741	1181440	.335	DCB	6.127	5442647	.361	DCB

Files:
Area File: 20pcbs16257001.0005.RAW
Area File: 20pcbs16257001B.0005.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 5:32:16 PM
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IBLKX1624B AAPIBLKAA PIBLK1625699999 10736 SW-846 8082

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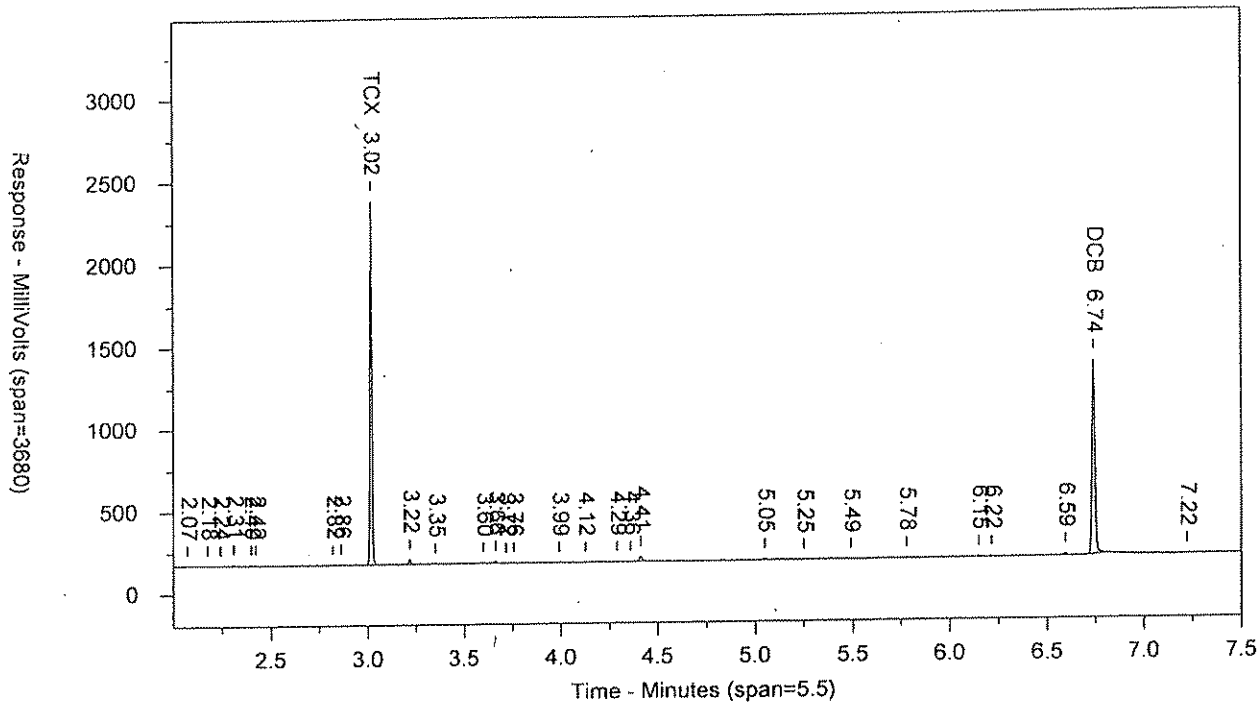

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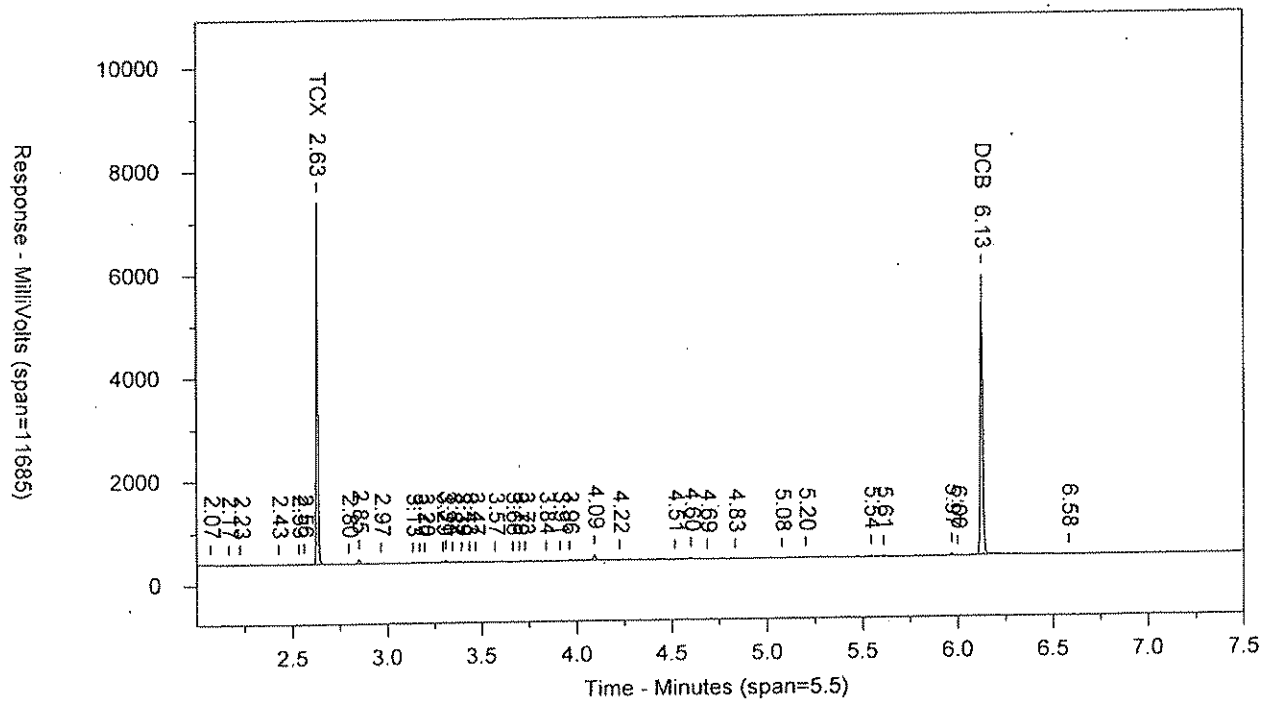

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:35:02 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0006.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.071		1947	2607
2.172		1492	1997
2.31		8811	6824
2.398		6399	4343
2.431		7952	7959
2.541		1882	1451
2.603		15798	11221
2.861		5962	7669
2.945		1073	2353
2.988		1184	659
3.017	TCX	1917309	1259398
3.119		5135	3348
3.173		1173	1186
3.217		25890	17342
3.304		1491551	937903
3.349		4376	3844
3.409		1562	887
3.505		1349776	835241
3.537		3109	2088
3.602		2648	2730
3.625		530571	353913
3.663		6450	4005
3.715		2629	2496
3.754		3427	3759
3.802		12965	9378
3.822		14310	9907
3.851		7085	4674
3.913		20292	15989
3.975		12318	12682
4.078		11391	12783
4.169		1089	580
4.197		1846	1222
4.246		3069	3081
4.283		24172	20193
4.335		6136	4680
4.411		29225	28896
4.467		8761	6941
4.499		14983	14120
4.568		7556	5224
4.592		8860	8036
4.628		1865	1786
4.673		11369	7943
4.694		34239	27136
4.767		2299	2475
4.826		12307	10361
4.859		1794	1346
4.89		2330	1933
4.931		11520	10573
4.978		3548696	3176139
5.004		18390	11835
5.049		5664	3774
5.08		198335	182699
5.158		18289	21374
5.185		2850	1988

RT A	Compound A	Height A	Area A
5.244		38049	38701
5.278		7685	5959
5.316		5778217	5379768
5.396		2780	1903
5.41		4841	2882
5.539		11580	14675
5.602		6641	6084
5.676		6899674	6424216
5.743		56803	51382
5.779		154544	143449
6.032		3633	5045
6.15		6980	5741
6.177		3209	2658
6.213		5818	5983
6.451		4310	4177
6.593		10705	11555
6.74	DCB	1088917	1222824
7.219		893	1301

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:35:02 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0006.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.005		1349	472
2.072		10587	11229
2.173		23440	18535
2.222		3744	2209
2.34		43953	30606
2.429		2447	5633
2.534		3594	2798
2.562		28777	27109
2.632	TCX	5968294	3593161
2.719		2340	1374
2.734		6766	3701
2.806		13833	9070
2.849		78430	48249
2.977		5018295	2837541
3.077		2051	892
3.096		5613	3575
3.131		11522	8676
3.186		4347581	2497287
3.257		6129	6220
3.29		7211	6812
3.308		16010	7948
3.342		10122	5955
3.365		1778033	1011646
3.391		4526	4564
3.445		62698	45838
3.468		5591	2702
3.489		87194	56745
3.521		28912	16950
3.564		13760	10758
3.597		40345	24562
3.627		49606	31295
3.663		4133	3691
3.691		17270	12833
3.727		7100	5721
3.78		83797	57739
3.812		5470	2794
3.828		9761	8101
3.861		3667	1817
3.877		18746	11278
3.901		5386	8850
3.968		2908	4939
4.01		53327	38553
4.049		26714	17829
4.09		131944	139747
4.142		5001	2309
4.165		139124	98378
4.207		6055	4170
4.262		58077	43761
4.315		3608	2868
4.384		33731	23660
4.406		15126	10088
4.443		12695910	9831023
4.482		12746	9162
4.537		792351	625751

RT B	Compound B	Height B	Area B
4.58		16263	11398
4.597		21285	14438
4.648		53856	59258
4.715		20252520	16369130
4.774		153291	126440
4.807		4110	3719
4.9		36784	54019
5.046		28788	27883
5.146		20589250	17885450
5.202		118842	91116
5.271		3188	1991
5.323		591606	522047
5.377		40905	32396
5.472		5536	6360
5.542		27659	41178
5.611		21553	18803
5.673		6164	8304
5.965		48533	48104
6.126	DCB	4825756	4223517
6.577		3714	3044
7.42		1444	1991
7.447		1586	1056
7.624		1292	977
8.236		6045	10526

EVALX1624A AAEVALXAA ICAL 1625699999 10736 SW-846 8082

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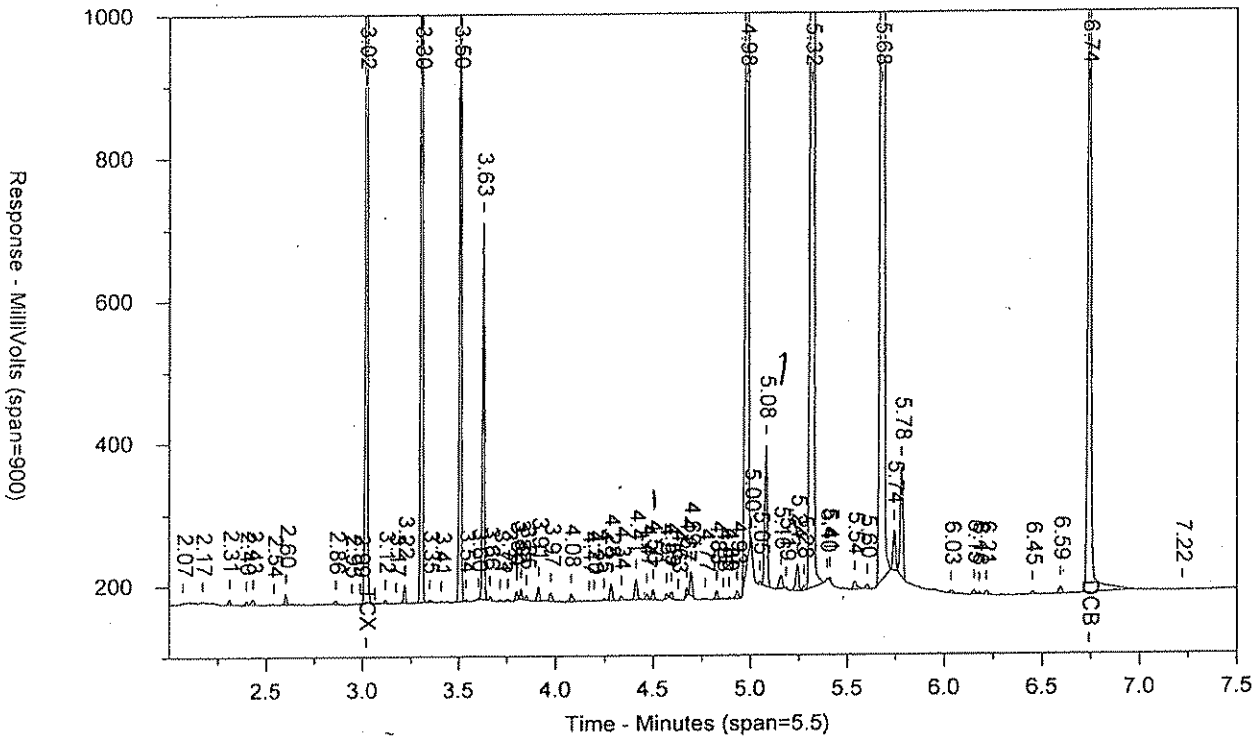

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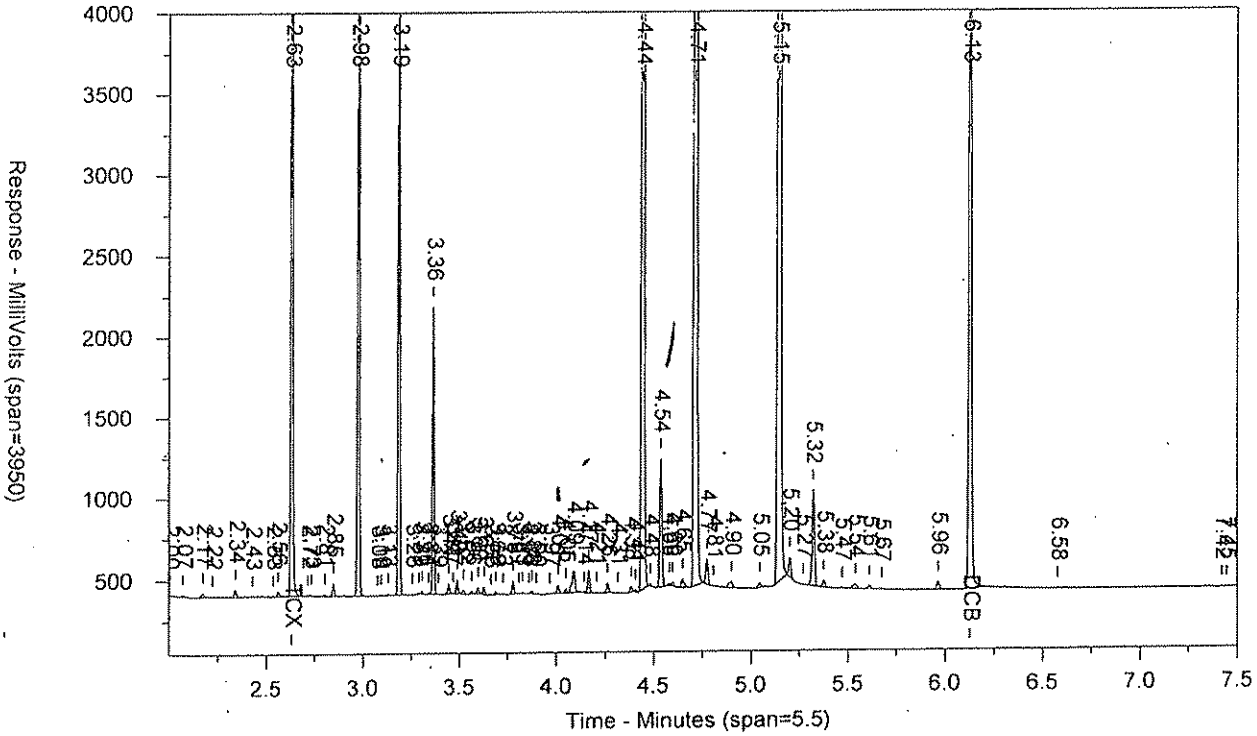


LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:35:02 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

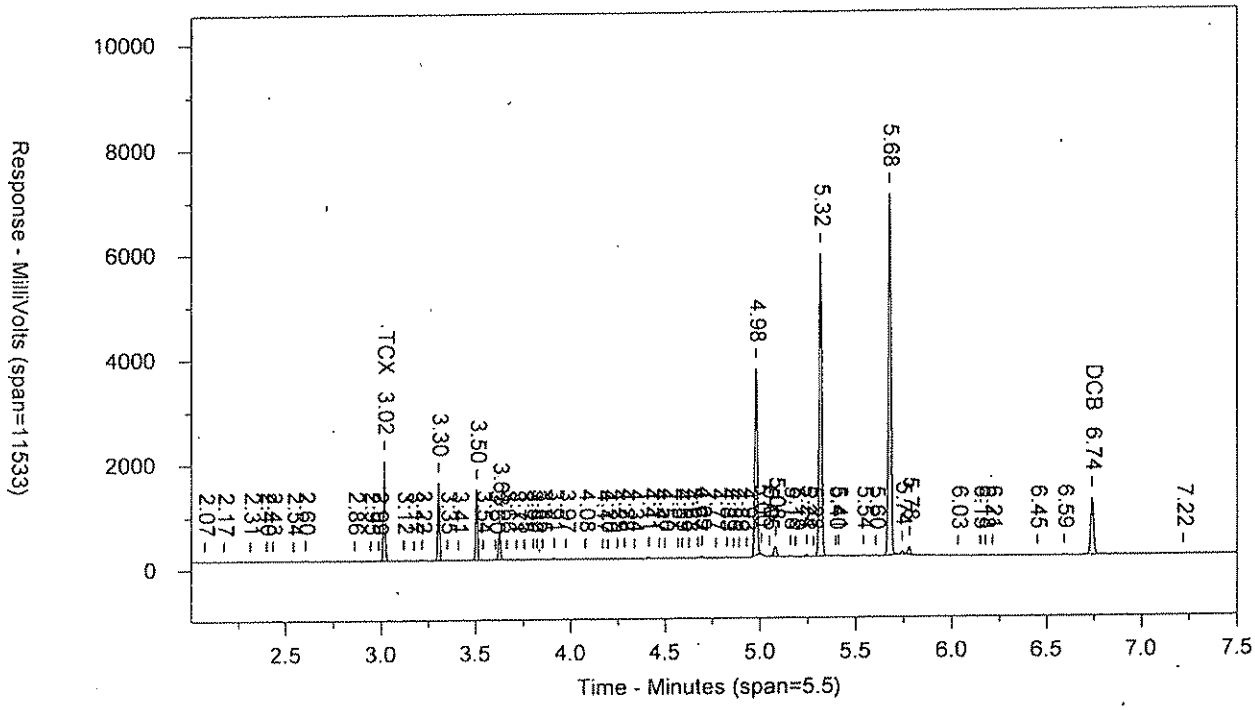
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	1917309	18.17	TCX	2.632	5968294	18.434	TCX
6.74	1088917	30.904	DCB	6.126	4825756	32.045	DCB

Files:
Area File: 20pcbs16257001.0006.RAW
Area File: 20pcbs16257001B.0006.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 5:43:45 PM
File Reported On: 9/13/2016 at 5:43:51 PM

EVALX1624A AAEVALXAA ICAL 1625699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.0006.RAW



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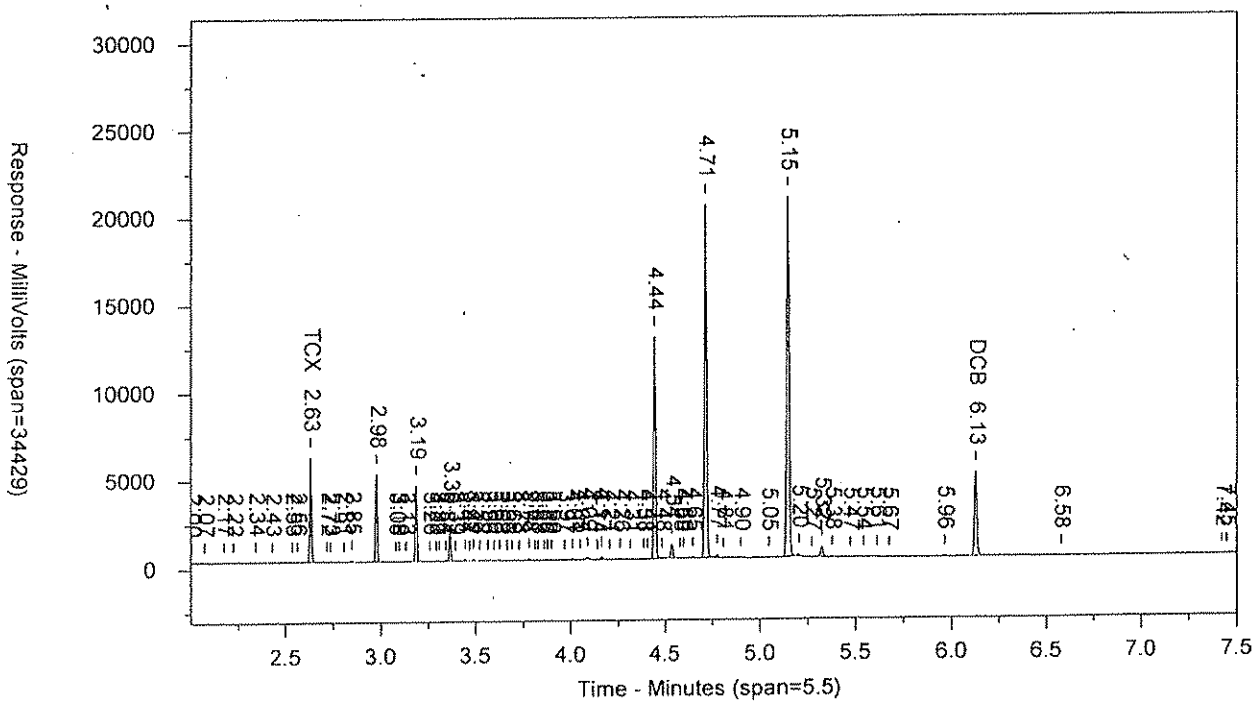

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:46:36 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: 20pcbs16257001.0007.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.075		1629	3051
2.105		1889	5824
2.177		5607	17281
2.231		4844	8486
2.311		2056	1636
2.398		9136	6329
2.508		1058	1425
2.638		709	395
2.658		2205	1533
2.862		5602	4435
2.937		1165	1782
3.017	TCX	416508	287117
3.126		983	1027
3.169		18521	15566
3.226		23438	19197
3.274		104923	73291
3.35		806	450
3.369		12410	8119
3.49		107715	65577
3.507		48654	26911
3.544		11887	6681
3.56		3411	1450
3.577		7881	4298
3.606		126516	93811
3.644		1175	789
3.662		1427	801
3.68		3695	2354
3.716		29196	17337
3.732		12524	5841
3.756		1589	743
3.777		62259	33904
3.788		93361	52058
3.827		132520	107247
3.889		112084	87273
3.93		9646	6524
3.955		87811	65175
3.983		66817	54699
4.005		18145	9760
4.084		92484	68092
4.109		34391	22044
4.14		37431	27039
4.177		86260	93117
4.217		30133	23962
4.262		4753	4028
4.303		4720	5838
4.339		89831	68298
4.359		24957	14751
4.384		22664	16005
4.412		27468	22536
4.453		13118	10438
4.497		92752	86371
4.531		2493	1900
4.595		970	839
4.641		6886	6693

RT A	Compound A	Height A	Area A
4.694		9774	6206
4.71		22366	15867
4.756		56019	49713
4.803		85992	101297
4.841		19946	14763
4.881		182325	178625
4.974		29730	31711
5.006		1355	603
5.032		35369	38088
5.085		171215	145616
5.104		25671	16204
5.136		44678	41214
5.179		103773	115403
5.259		20935	25645
5.294		221031	216207
5.316		7872	3940
5.356		131600	121903
5.399		83659	80241
5.521		153065	208978
5.58		79260	73215
5.619		39926	33446
5.659		8043	7433
5.703		50008	48000
5.759		325492	343360
5.965		183600	202560
6.016		60493	116563
6.15		5331	4793
6.212		6659	4633
6.237		37773	33069
6.393		92171	96596
6.438		5722	5218
6.593		25910	25073
6.74	DCB	265670	289638

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:46:36 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: 20pcbs16257001B.0007.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		3339	4170
2.173		2481	1786
2.224		5007	12525
2.318		5173	4428
2.428		3171	2563
2.529		3593	2477
2.563		26989	20389
2.632	TCX	1301384	786234
2.675		25958	19527
2.802		63319	42575
2.849		10371	4500
2.863		54312	29959
2.915		312943	192169
2.965		4683	2783
3.026		38857	23446
3.122		379144	368861
3.173		47651	29353
3.195		22725	13330
3.22		27596	14935
3.244		365597	244407
3.281		15232	13477
3.307		5495	2399
3.327		91646	47019
3.342		63415	31107
3.393		205998	95512
3.402		352308	152238
3.423		12807	4680
3.436		348526	238889
3.51		373589	237399
3.545		268694	165753
3.568		286943	161211
3.587		89626	46226
3.672		321149	210362
3.695		130233	71306
3.716		117423	70903
3.745		79148	39287
3.762		260187	155258
3.804		102483	71574
3.841		16215	18127
3.873		69442	41038
3.894		367889	233418
3.92		70625	43750
3.939		6803	3192
3.958		43843	26221
3.992		285582	200639
4.028		14074	9150
4.043		23550	13963
4.091		100185	84199
4.137		18818	15053
4.194		79321	55866
4.237		76105	45979
4.255		66769	30700
4.268		197514	113364
4.293		121965	118188

RT B	Compound B	Height B	Area B
4.345		652805	496517
4.393		8833	6921
4.415		58721	38678
4.439		153902	108607
4.481		750903	579825
4.585		586584	595105
4.638		76981	61957
4.676		170787	147375
4.712		726346	609755
4.744		370213	273079
4.783		253894	200080
4.882		93975	94009
4.934		484576	386581
4.957		56381	37087
5.007		268557	237020
5.043		125464	100571
5.072		92529	76951
5.104		30824	17951
5.126		1062572	910010
5.168		24852	18484
5.2		43731	37671
5.319		12755	7942
5.342		249928	204829
5.387		729545	798022
5.544		19291	16872
5.587		21403	15725
5.612		18803	16388
5.66		139555	136905
5.767		324190	270879
5.798		18877	13985
5.967		92402	92864
6.127	DCB	1127386	1002665
8.236		5134	9302

AR1611624B AAAR161AA ICAL 1625699999 10736 SW-846 8082

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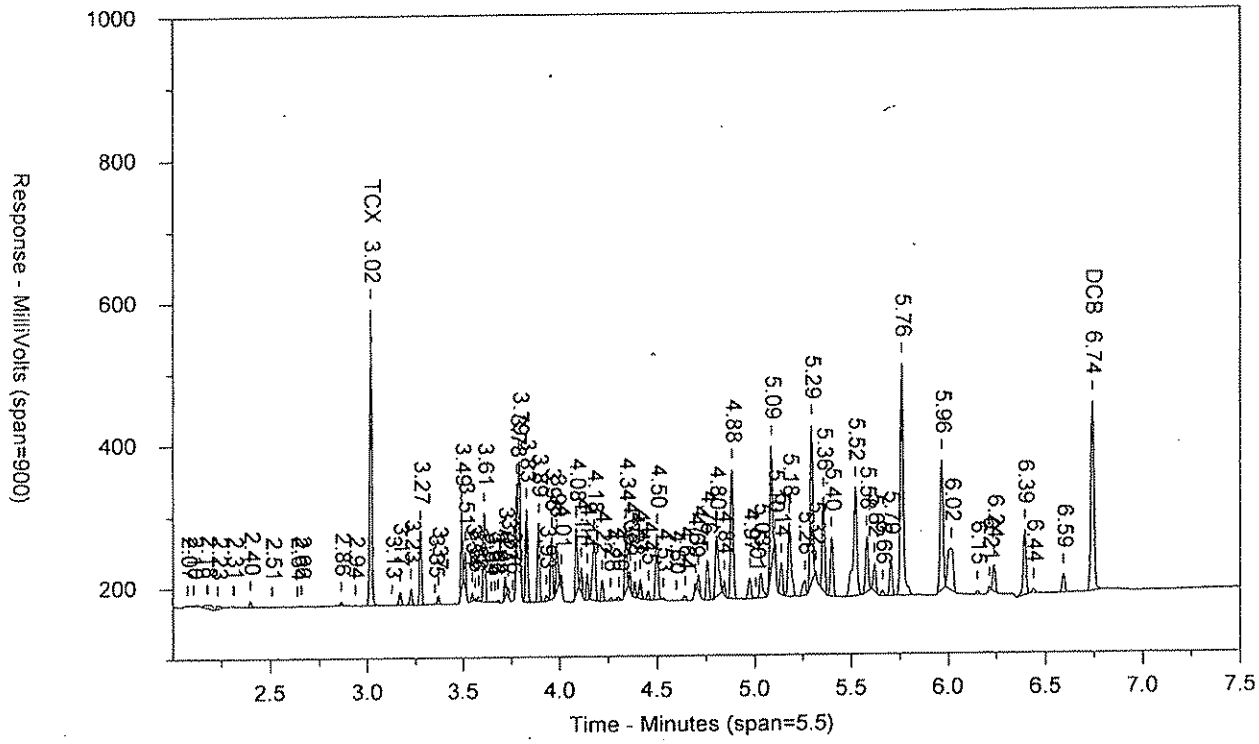

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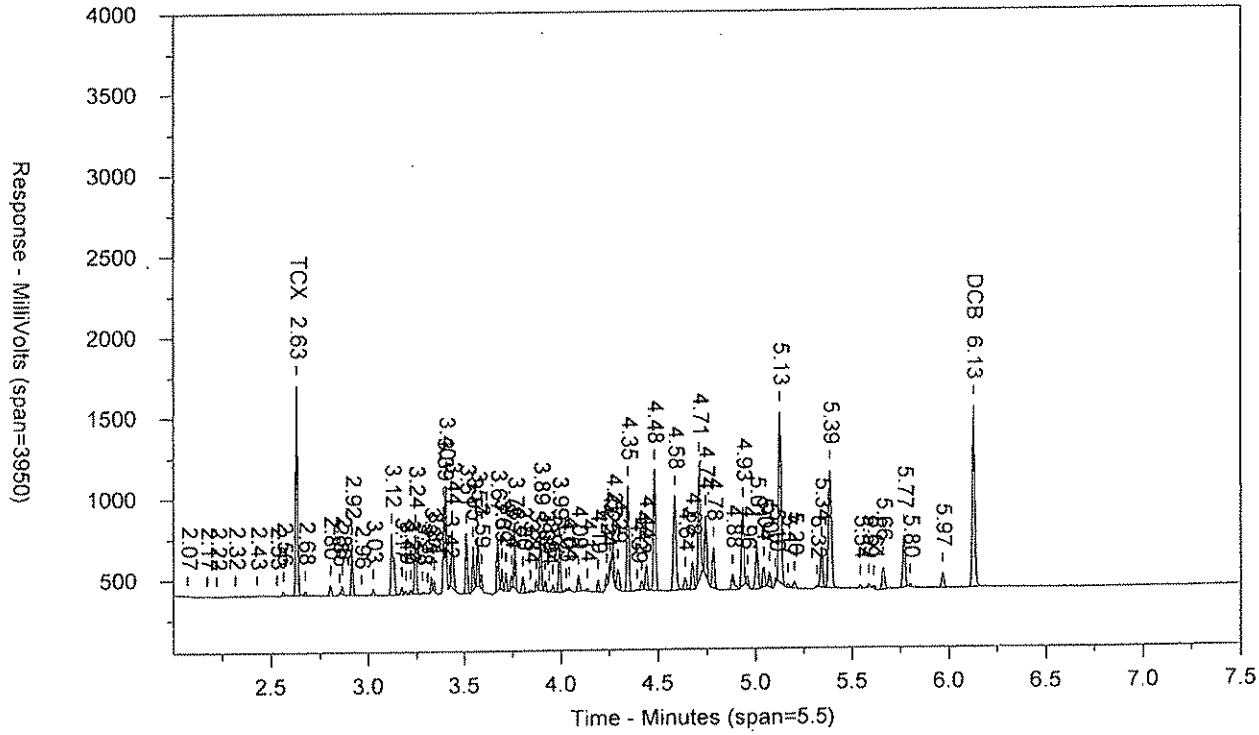

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:46:36 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
3.017	416508	3.947	TCX	2.632	1301384	4.02	TCX
6.74	265670	7.54	DCB	6.127	1127386	7.486	DCB

Files:
Area File: 20pcbs16257001.0007.RAW
Area File: 20pcbs16257001B.0007.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 5:55:20 PM
File Reported On: 9/13/2016 at 5:55:27 PM

AR1611624B AAAR161AA ICAL 1625699999 10736 SW-846 8082

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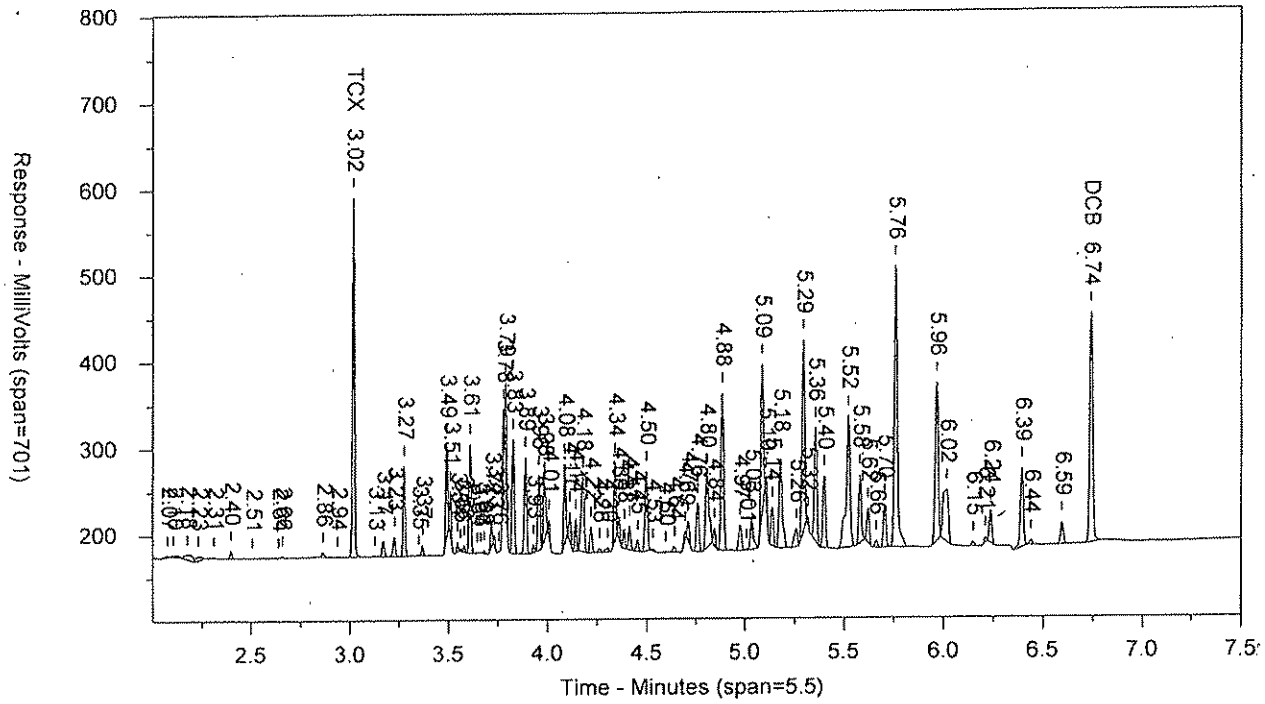

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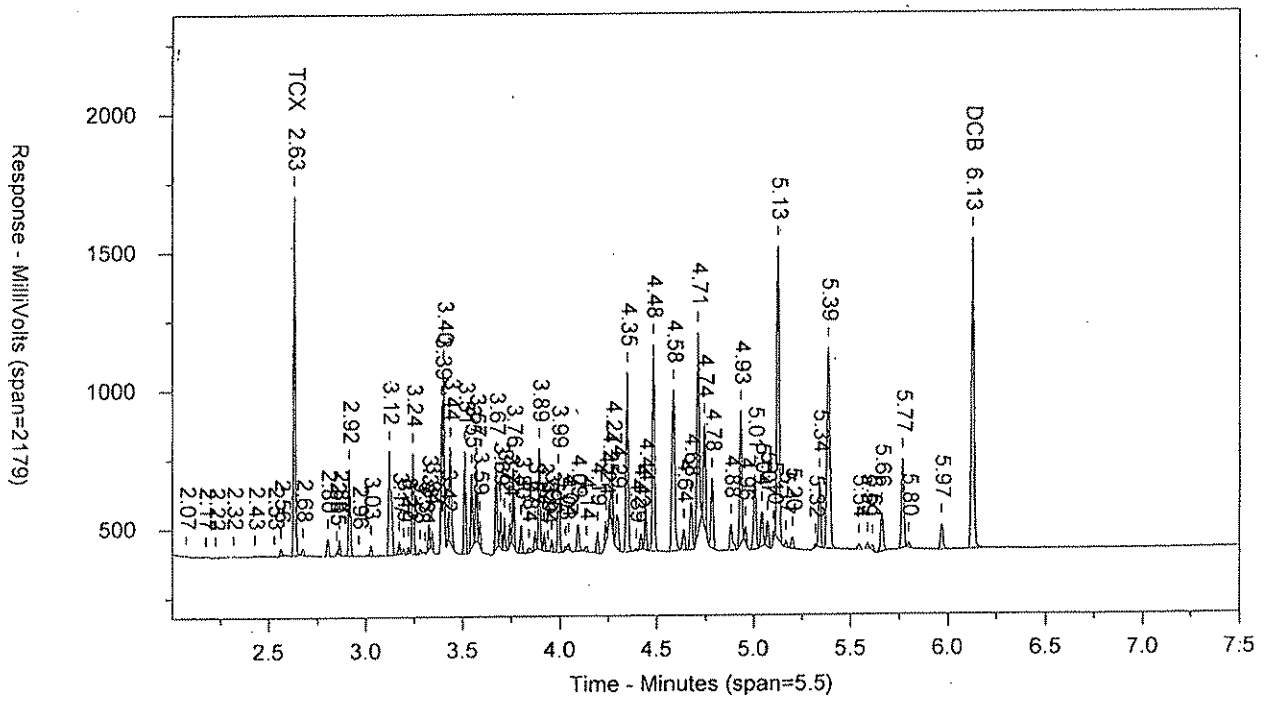

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:58:06 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0008.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.078		1491	2994
2.174		2288	5727
2.228		1525	2413
2.31		9771	7228
2.398		4938	3161
2.422		3580	2397
2.506		1162	1152
2.657		3374	2435
2.861		7168	6064
2.904		898	549
2.935		1357	1733
3.017	TCX	2093075	1377717
3.12		1044	904
3.168		35847	30019
3.225		47605	46404
3.274		182972	132014
3.348		3145	1796
3.368		23509	15308
3.489		188554	115411
3.506		86334	48007
3.542		23607	13455
3.559		7064	3131
3.576		15667	8621
3.606		225909	166383
3.642		1258	836
3.662		9382	5473
3.679		6795	3661
3.715		51094	30283
3.731		22891	11671
3.776		110738	66061
3.788		198414	103922
3.826		234290	192733
3.888		200819	159246
3.928		19291	12631
3.954		154325	116457
3.982		113436	98364
4.005		34715	18612
4.082		159776	121233
4.108		61018	40009
4.139		66019	49627
4.176		156801	168070
4.217		55114	45364
4.262		7255	5902
4.304		8233	7614
4.338		156228	123059
4.358		43741	25329
4.383		44850	31890
4.41		25475	20715
4.451		24942	20859
4.495		168275	155786
4.529		4954	3181
4.597		1777	1482
4.639		14220	13072
4.693		16180	10710

RT A	Compound A	Height A	Area A
4.709		40549	28499
4.756		99567	91045
4.802		153142	178947
4.841		36393	26941
4.88		335677	321419
4.973		52732	58930
5.004		3047	1701
5.03		65090	63905
5.084		302646	259110
5.103		45912	28506
5.135		82634	74886
5.178		184579	208635
5.221		2721	1461
5.257		42543	48110
5.292		431086	478445
5.355		234388	214675
5.398		143862	143760
5.519		276196	375252
5.579		137738	129057
5.618		70743	60082
5.659		16326	14901
5.702		88709	88031
5.759		591827	631342
5.964		348399	364319
6.003		25940	29670
6.015		37861	29868
6.15		13959	13325
6.212		13865	10226
6.236		66673	58578
6.393		164369	159566
6.438		10448	9982
6.592		50267	52736
6.655		1980	1710
6.739	DCB	1137820	1195968
7.214		1101	1133

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:58:06 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0008.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		11905	10542
2.222		3557	5567
2.318		9859	8383
2.426		3952	2959
2.532		2123	1578
2.563		31906	21017
2.588		15775	8189
2.632	TCX	6599028	3889149
2.675		46236	31405
2.802		121345	81499
2.849		59248	28185
2.863		91179	47036
2.915		587250	353706
2.965		16529	9959
3.026		72253	45239
3.121		696839	675816
3.173		85710	52452
3.194		40821	22731
3.22		50061	27780
3.244		659530	450193
3.281		25877	18310
3.308		30005	14678
3.326		160947	84989
3.342		101599	48480
3.369		2069	1045
3.392		365586	176584
3.401		693570	285108
3.422		21253	9244
3.435		660951	441273
3.509		692752	438945
3.544		480338	304024
3.568		536635	294613
3.585		161613	83827
3.671		598336	386359
3.694		227227	124585
3.715		217483	127006
3.744		148824	75454
3.761		492114	290704
3.802		180738	132020
3.85		24328	22429
3.871		128783	75837
3.893		662194	428032
3.918		131382	79380
3.938		18345	8141
3.957		76633	47445
3.991		527558	366792
4.026		27341	16451
4.041		39921	25059
4.09		100300	83215
4.136		38488	33107
4.193		142417	104794
4.236		134294	81755
4.254		118489	55887
4.267		349101	195163

RT B	Compound B	Height B	Area B
4.294		228571	217693
4.344		1190365	911160
4.391		16139	12745
4.414		106576	71766
4.438		266289	198738
4.48		1397898	1070431
4.583		1174229	1089147
4.637		138681	113824
4.675		321602	269725
4.711		1366106	1149288
4.743		685470	502505
4.781		466674	368234
4.881		171492	172393
4.932		920840	713642
4.957		102082	68241
5.007		466264	435649
5.041		229415	184524
5.071		167261	141689
5.104		57903	32590
5.125		2006018	1714589
5.167		41506	32081
5.199		85144	72507
5.317		24443	16054
5.341		439184	376365
5.387		1387893	1496957
5.542		50163	43001
5.587		36431	27522
5.611		36337	29032
5.659		256958	227700
5.766		579079	498868
5.798		35243	25760
5.966		202226	176190
6.125	DCB	5017923	4416138
6.306		3681	3929
6.577		4616	5958
8.235		5429	8482

AR1621624B AAAR162AA ICAL 1625699999 10736 SW-846 8082

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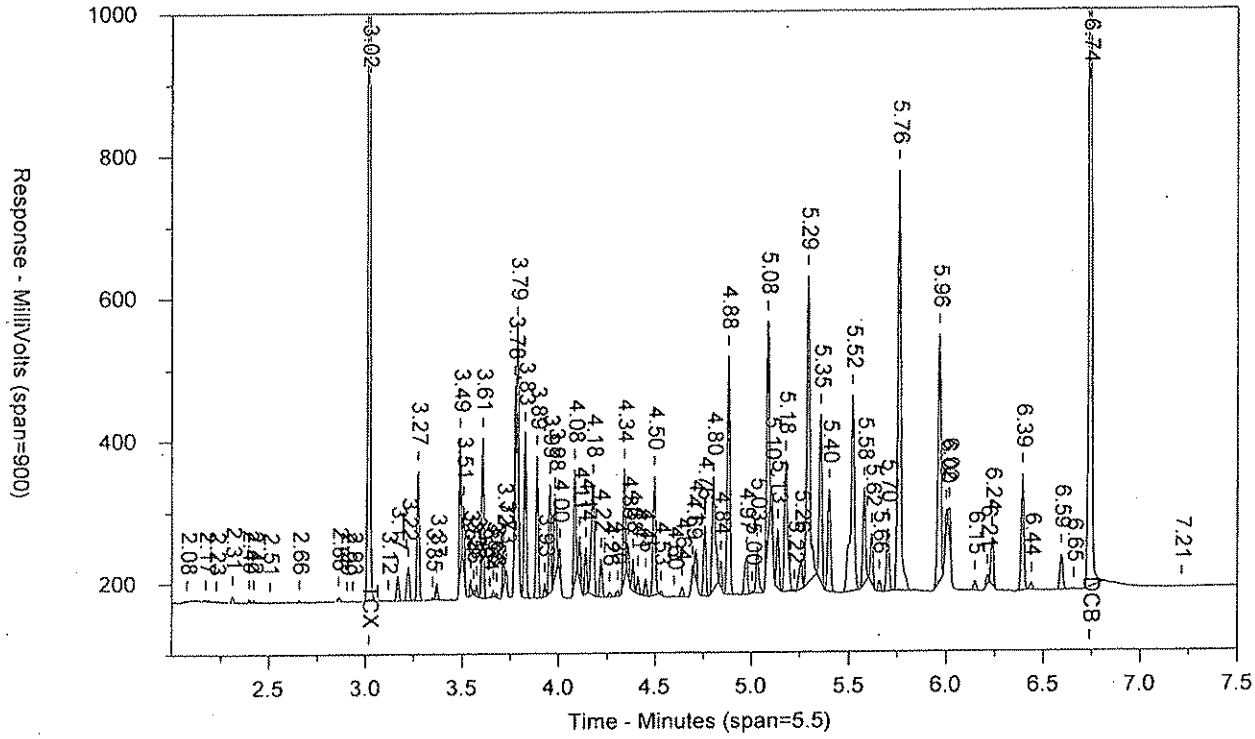

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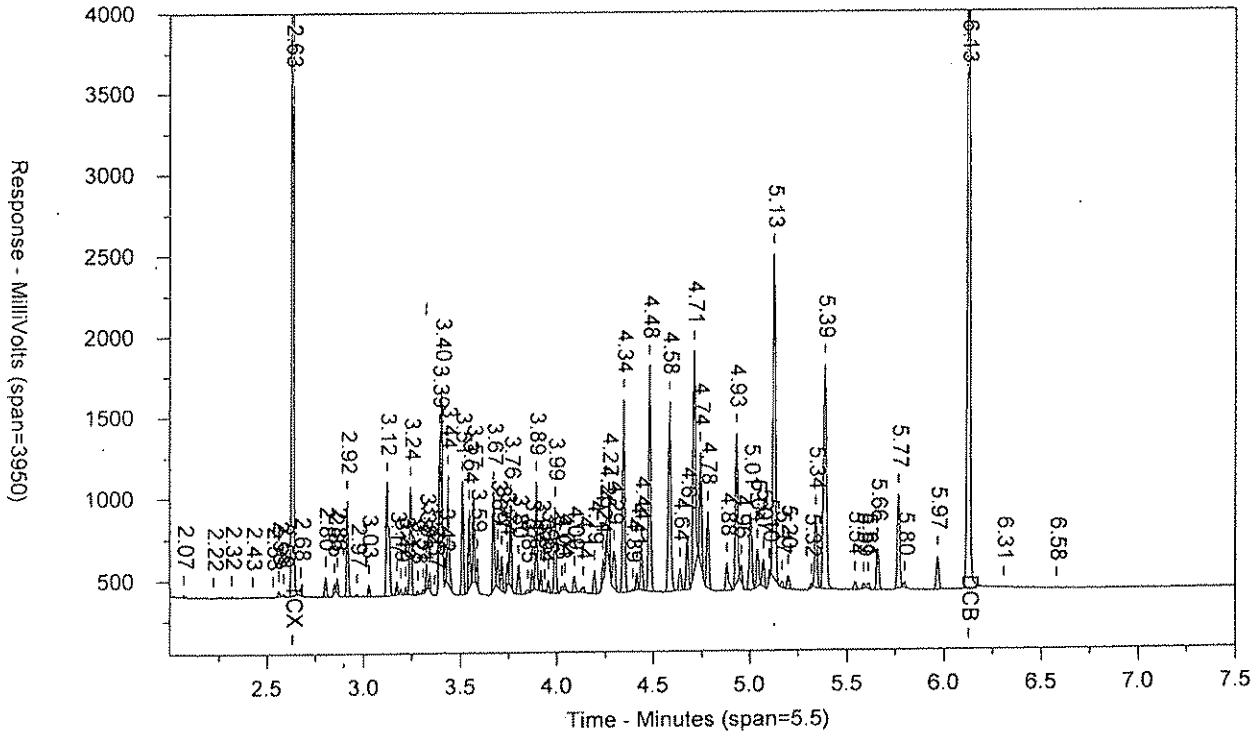

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 5:58:06 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	2093075	19.763	TCX	2.632	6599028	20.104	TCX
6.739	1137820	27.624	DCB	6.125	5017923	27.869	DCB

Files:
Area File: 20pcbs16257001.0008.RAW
Area File: 20pcbs16257001B.0008.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 6:06:49 PM
File Reported On: 9/13/2016 at 6:06:57 PM

AR1621624B AAAR162AA ICAL 1625699999 10736 SW-846 8082

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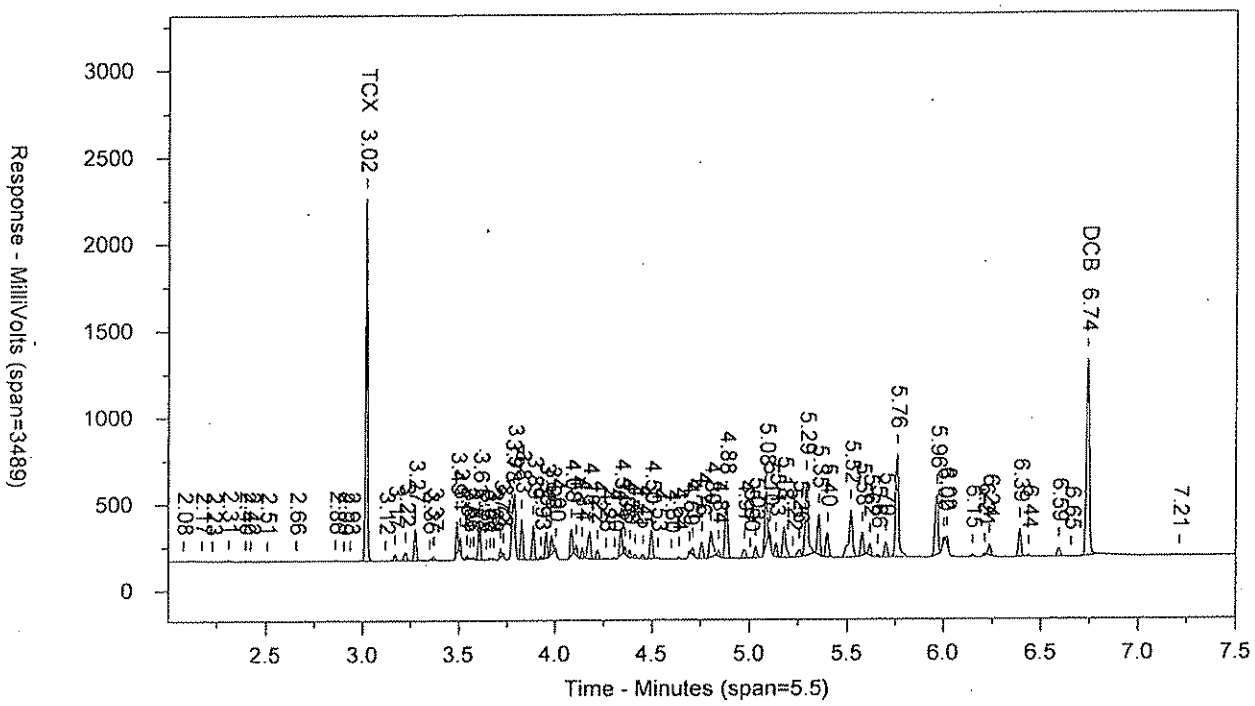

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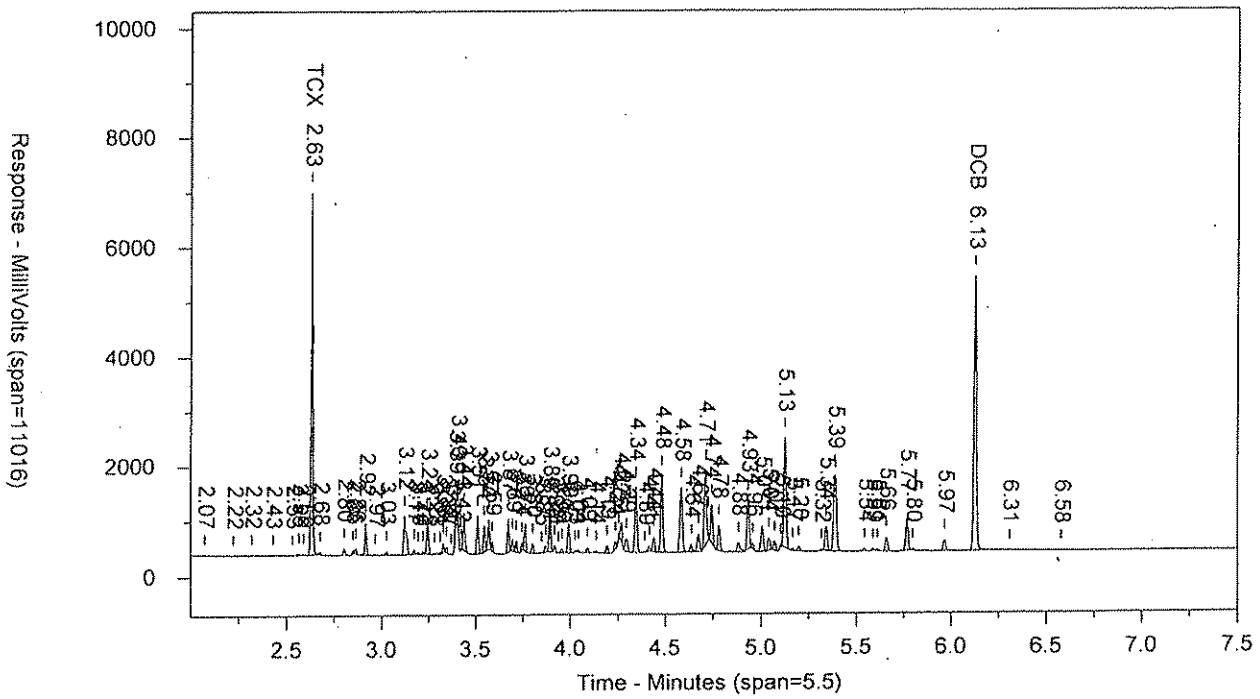

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:09:36 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: 20pcbs16257001.0009.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.074		1990	3864
2.172		2825	7293
2.228		1603	2930
2.31		18974	13603
2.398		13673	8897
2.421		7203	4888
2.507		1419	1582
2.658		6505	4662
2.861		6497	5537
2.935		4829	8375
3.017	TCX	4025850	2651501
3.169		64996	56421
3.225		85015	84156
3.274		332497	232057
3.349		6466	3378
3.368		42467	27859
3.406		1322	2023
3.49		329176	202646
3.507		157070	84042
3.544		41895	24669
3.56		13117	5654
3.577		27306	15897
3.607		396219	294436
3.642		2055	1101
3.664		19185	11180
3.681		13736	7603
3.717		90492	52991
3.732		42035	20577
3.777		227053	112969
3.789		363145	191445
3.827		428648	347980
3.889		361459	288984
3.931		33535	22808
3.956		272241	202850
3.984		195212	166980
4.006		57555	33370
4.084		289004	217274
4.11		103247	69092
4.14		117544	88981
4.177		281927	299262
4.219		99641	81511
4.264		13993	10857
4.304		16038	14433
4.34		293274	220264
4.36		71279	44031
4.385		79026	58725
4.412		23907	18651
4.453		45986	39490
4.497		297148	275891
4.532		9459	6242
4.597		3083	2590
4.64		27520	25806
4.695		32302	20652
4.711		69082	49025

RT A	Compound A	Height A	Area A
4.758		174878	162788
4.804		279883	313303
4.842		62446	48582
4.882		604922	577683
4.932		3375	3577
4.975		98440	107524
5.006		5931	3658
5.032		111392	109143
5.085		572363	474705
5.104		79209	45455
5.137		144727	130874
5.179		335152	376542
5.221		4493	2376
5.258		69888	85135
5.294		743692	717770
5.317		26987	13406
5.356		414747	381708
5.4		264999	253474
5.522		498616	674729
5.58		238459	225172
5.62		119274	107227
5.66		29397	27347
5.703		162028	153447
5.759		1172915	1171873
5.966		621259	661215
6.006		43446	56601
6.018		59953	41086
6.151		24630	25682
6.213		23961	18708
6.238		118291	105476
6.393		287152	283409
6.439		19344	18235
6.594		92604	96064
6.741	DCB	2178244	2221751
7.219		1913	2131
7.373		487	1552
8.171		691	1079
8.492		688	463

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:09:36 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: 20pcbs16257001B.0009.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		20765	17724
2.163		4499	11222
2.223		5721	13430
2.318		18316	15181
2.424		1743	1718
2.533		7734	5964
2.563		30704	22084
2.59		3810	2362
2.632	TCX	12423630	7417389
2.676		80901	55319
2.72		3309	3149
2.803		216543	148146
2.849		114021	53104
2.864		169721	85782
2.915		1036114	633164
2.966		29089	17665
3.026		126937	81516
3.122		1232488	1212439
3.173		148007	94621
3.195		74369	41236
3.22		92143	50622
3.244		1233987	814576
3.281		49424	30580
3.308		58162	28670
3.327		306985	156010
3.342		181475	86821
3.369		1935	929
3.392		632554	316339
3.402		1352228	559767
3.423		45739	17105
3.435		1199984	803197
3.51		1293520	806365
3.545		875676	548172
3.568		970263	535800
3.587		304263	154839
3.672		1083148	698159
3.695		414503	227407
3.716		396672	232339
3.745		266999	136493
3.762		884436	527549
3.803		324470	238014
3.851		47082	40413
3.873		221195	134991
3.895		1188279	775252
3.92		241815	141086
3.939		34870	15850
3.958		135437	83419
3.993		948534	659450
4.027		50092	30668
4.043		71196	46889
4.091		97941	83682
4.137		71651	62277
4.195		264485	187796
4.237		245822	147884

RT B	Compound B	Height B	Area B
4.255		186525	93607
4.268		674592	376719
4.293		391076	390109
4.346		2198979	1657077
4.394		28221	23340
4.415		192876	127627
4.44		481013	353911
4.482		2505256	1958549
4.584		2140666	1991927
4.638		258179	214088
4.676		589099	488226
4.712		2555373	2132222
4.744		1287820	914883
4.783		880031	676233
4.85		3076	3134
4.882		275502	198606
4.933		1663424	1319053
4.958		198057	122623
5.008		867434	786086
5.043		417900	330549
5.072		297276	252808
5.105		116332	66007
5.127		4048600	3254993
5.168		72769	57059
5.2		150929	126910
5.319		43824	27675
5.343		794490	676247
5.387		2670870	2777772
5.544		87462	81681
5.587		65745	48740
5.611		67407	49491
5.661		456416	404634
5.767		1058836	905306
5.799		59658	44544
5.967		355361	303838
6.127	DCB	9432067	8247004
6.307		4642	4119
6.58		7811	7176
6.755		2263	2241
8.237		6440	13805

AR1631624B AAAR163AA ICAL 1625699999 10736 SW-846 8082

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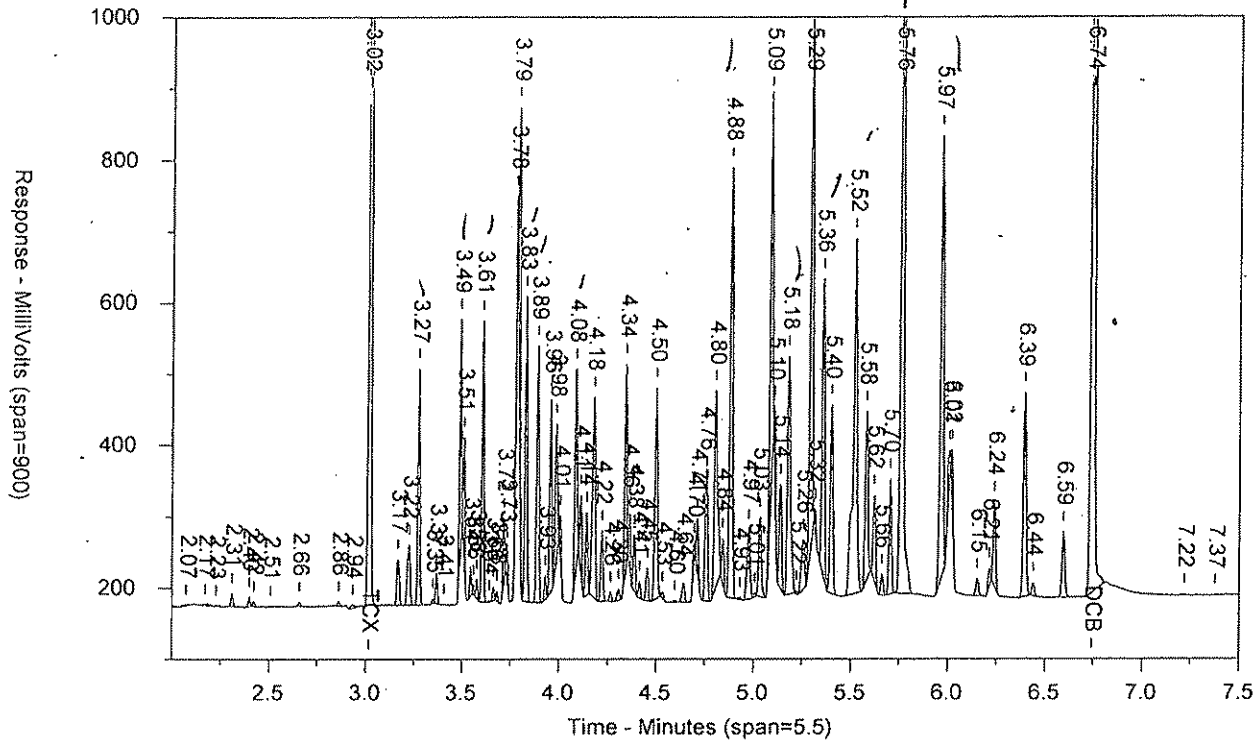

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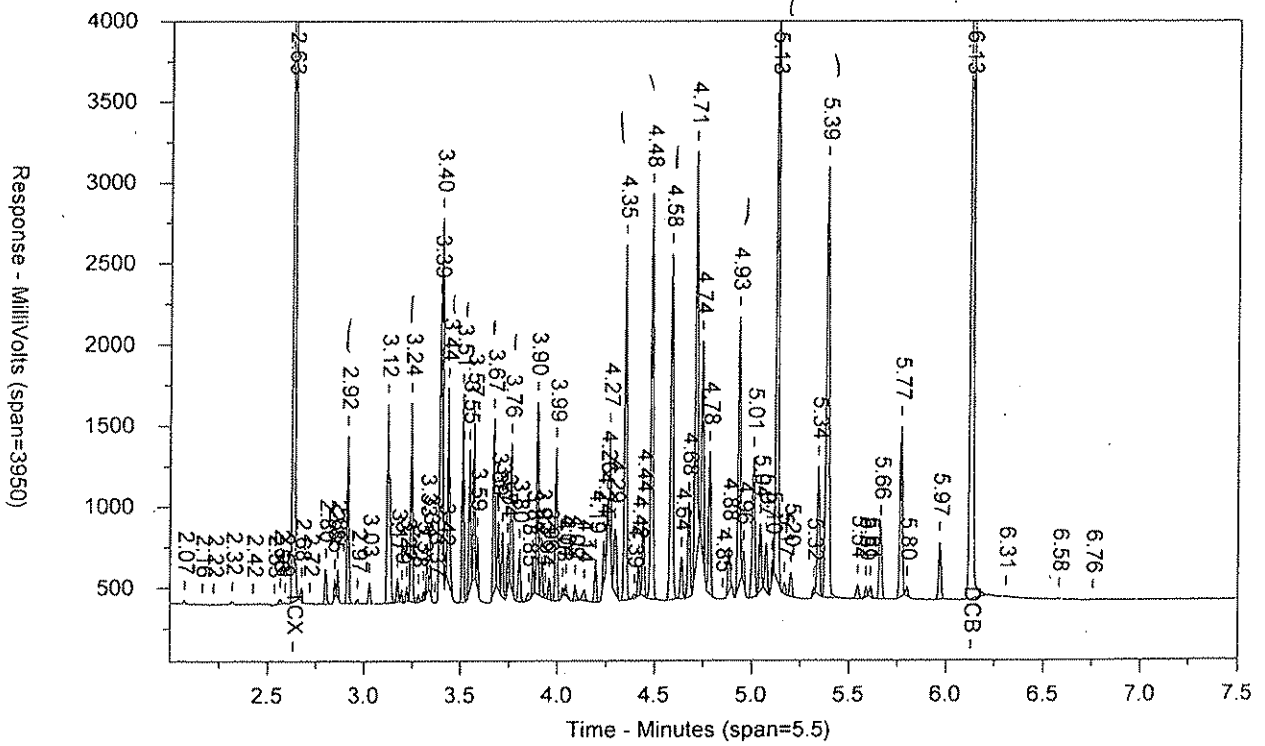

LANCASTER LABORATORIES

Sample Number: AR16316248 AAAR163AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:09:36 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
3.017	4025850	38.123	TCX	2.632	12423630	37.757	TCX
6.741	2178244	47.731	DCB	6.127	9432067	46.784	DCB

Files:
Area File: 20pcbs16257001.0009.RAW
Area File: 20pcbs16257001B.0009.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 6:18:19 PM
File Reported On: 9/13/2016 at 6:18:27 PM

AR1631624B AAAR163AA ICAL 1625699999 10736 SW-846 8082

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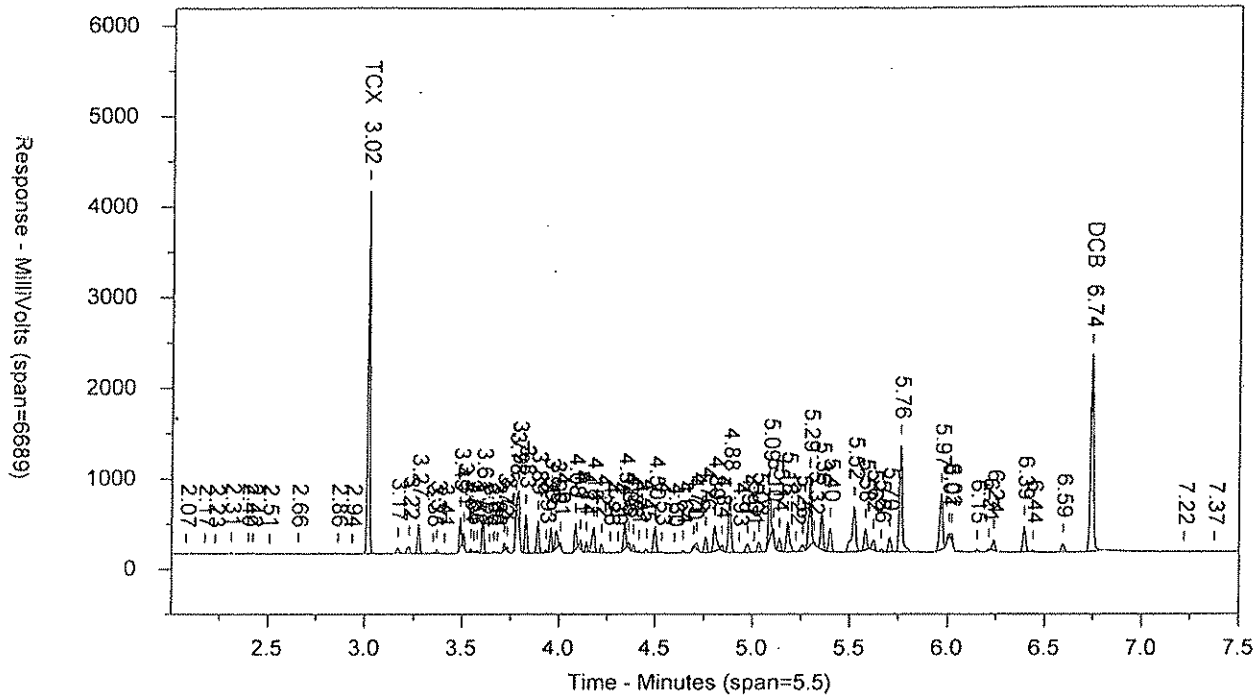

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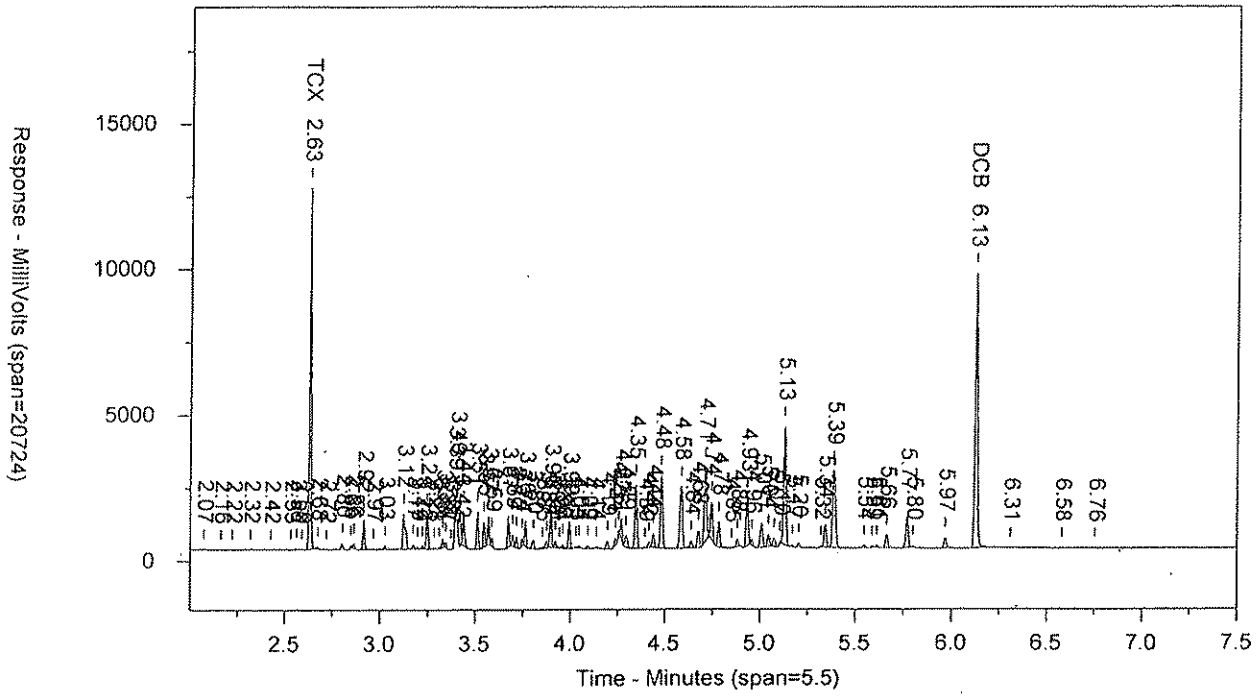

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:21:06 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x.0.32mm x 0.25um
Date File: 20pcbs16257001.0010.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.076		1697	3068
2.106		1089	1160
2.182		4167	11491
2.227		2332	4059
2.31		30265	21400
2.398		10476	6773
2.421		12031	7819
2.472		3362	3671
2.508		1342	1500
2.657		16664	13803
2.793		318	1739
2.862		11001	9263
2.936		3863	3005
3.017	TCX	6502325	4349064
3.121		2565	2466
3.169		154315	135336
3.225		188117	172404
3.274		803494	567094
3.349		10139	5109
3.368		102534	70765
3.406		2283	1531
3.489		840617	504024
3.506		375652	200801
3.543		98332	58359
3.56		29520	12642
3.576		64421	37143
3.607		997523	728248
3.641		5458	2933
3.663		26507	15952
3.68		34136	19897
3.716		213647	123351
3.732		102355	52327
3.777		494636	263067
3.788		961568	517595
3.827		1090770	867992
3.889		937163	730170
3.93		76700	53065
3.956		644397	485570
3.983		486916	407778
4.005		149421	77977
4.084		711485	533318
4.109		250053	163390
4.14		279567	207423
4.177		707541	734991
4.218		228533	192426
4.264		36544	28779
4.304		38970	35245
4.339		700002	535230
4.36		171266	101533
4.385		195103	140605
4.412		21337	15455
4.452		110887	96918
4.497		741478	665634
4.531		21003	14447

RT A	Compound A	Height A	Area A
4.597		6856	5298
4.64		66423	64391
4.695		71579	50612
4.71		155274	109708
4.757		437986	393549
4.803		679609	769288
4.841		148341	114194
4.881		1548550	1452222
4.931		7302	7543
4.975		230373	250744
5.006		13946	8329
5.032		265063	247955
5.085		1547393	1232196
5.103		225545	137394
5.136		329980	303785
5.179		880759	945276
5.221		11055	6228
5.258		167196	194136
5.294		2011176	1868745
5.317		67869	30698
5.356		1095454	959361
5.399		641975	621980
5.521		1358415	1688282
5.579		593711	541227
5.619		294619	250298
5.66		68197	64101
5.703		408241	374380
5.729		2203	783
5.758		3137108	3072532
5.966		1655574	1714953
6.006		447656	882190
6.15		49401	49659
6.212		53155	38583
6.237		282014	254478
6.394		702267	693871
6.439		48972	46288
6.594		191658	207325
6.741	DCB	3543063	3779918
7.218		3219	3878
7.838		2768	4409

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:21:06 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0010.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.003		1580	2957
2.072		33569	26478
2.163		5610	10964
2.223		2322	2856
2.253		1990	2253
2.318		41904	32203
2.381		1430	1532
2.425		4191	3492
2.512		2324	1541
2.563		49949	34680
2.588		9538	5094
2.632	TCX	20449560	12157050
2.675		195388	143613
2.802		530193	361090
2.849		147374	68838
2.863		417825	222201
2.915		2527643	1566977
2.965		46937	27535
3.026		314790	201106
3.121		2044284	1012933
3.133		709991	285193
3.173		365571	229653
3.194		177715	98767
3.22		219108	121401
3.244		3114377	2035055
3.28		116819	69976
3.308		86446	41420
3.326		735842	388540
3.342		423516	202688
3.368		5845	2620
3.392		1911600	836473
3.402		3558152	1511305
3.422		97709	34331
3.435		3152586	2068685
3.51		3405672	2073103
3.545		2176102	1346814
3.568		2391110	1329043
3.586		746830	372220
3.672		2756034	1772113
3.694		1097683	562054
3.715		967141	568666
3.744		648222	337856
3.761		2282298	1348394
3.803		792883	581927
3.85		104298	94300
3.872		564652	333484
3.894		3018276	1969682
3.919		581387	347372
3.939		79754	38169
3.957		311662	196534
3.992		2387034	1637472
4.026		124889	74800
4.042		172514	111329
4.091		94730	88481

RT B	Compound B	Height B	Area B
4.137		172808	158387
4.194		647737	463071
4.237		625669	360495
4.255		491453	253929
4.268		1724221	951552
4.293		970240	975629
4.345		5711694	4259396
4.392		68639	55097
4.414		484197	319948
4.439		1171511	882533
4.481		6720874	5050245
4.585		5291589	5173488
4.637		632876	530001
4.676		1422156	1220643
4.712		6766059	5633000
4.744		3197392	2309284
4.783		2172926	1727798
4.847		7335	7541
4.882		786325	793792
4.934		4355987	3447361
4.958		496588	313504
5.007		2209815	1975540
5.042		1083157	843658
5.072		772551	648158
5.105		274984	156574
5.126		10451520	8640059
5.168		200259	147625
5.201		360445	303215
5.319		95483	64580
5.342		2034416	1712080
5.386		6883813	7298753
5.543		168044	149828
5.587		165837	125962
5.611		118151	92352
5.66		1180958	1028633
5.766		2824695	2326674
5.798		139722	108375
5.967		818841	719081
6.126	DCB	15183580	13264130
6.305		14973	16967
6.464		2867	2849
6.579		12258	12625
6.752		2901	3306
7.316		4192	6280
7.385		19544	22779
7.616		2080	3023
8.239		5426	9155

AR1641624B AAAR164AA ICAL 1625699999 10736 SW-846 8082

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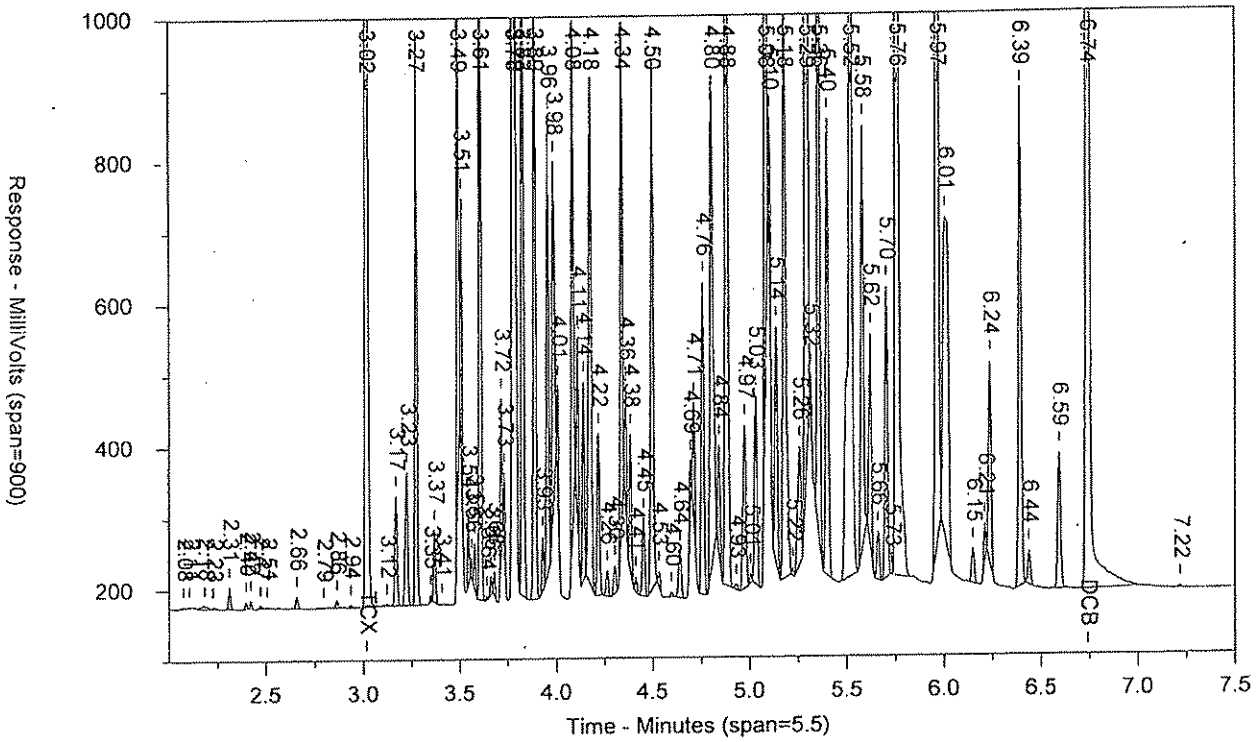

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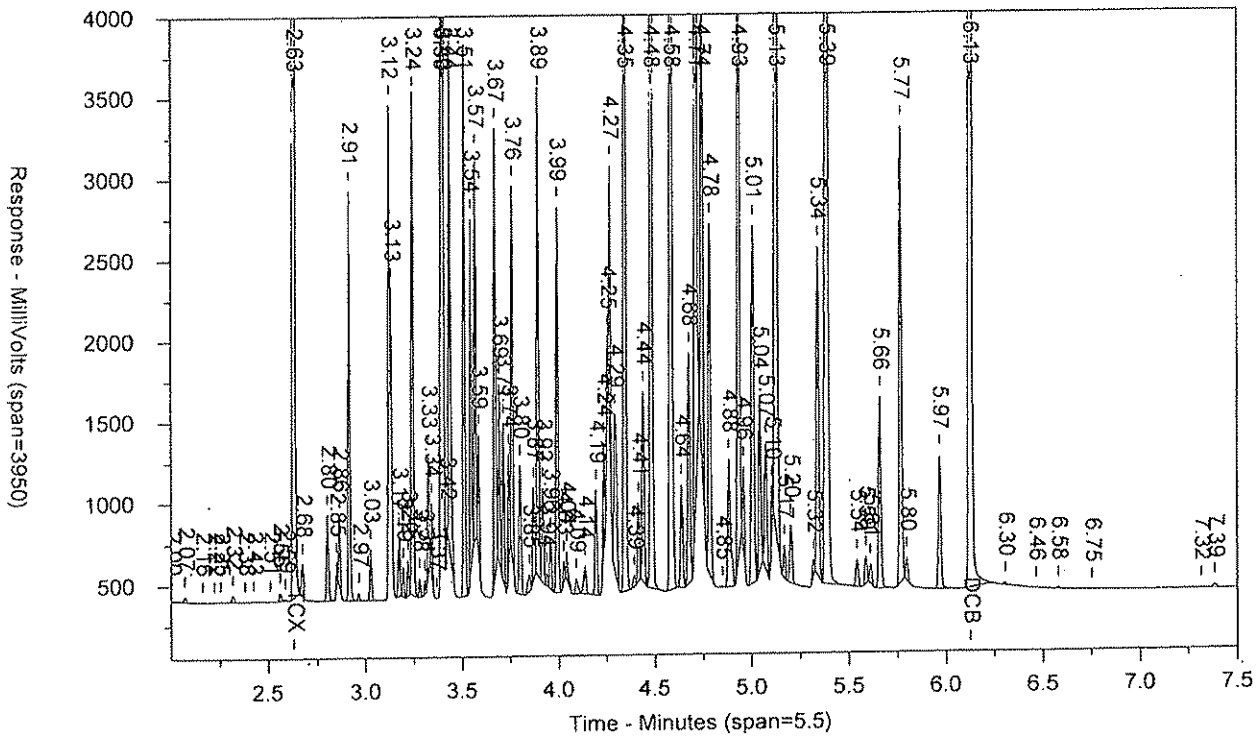

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:21:06 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	6502325	62.431	TCX	2.632	20449560	62.877	TCX
6.741	3543063	72.166	DCB	6.126	15183580	69.953	DCB

Files:
Area File: 20pcbs16257001.0010.RAW
Area File: 20pcbs16257001B.0010.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 6:29:49 PM
File Reported On: 9/13/2016 at 6:29:57 PM

AR1641624B AAAR164AA ICAL 1625699999 10736 SW-846 8082

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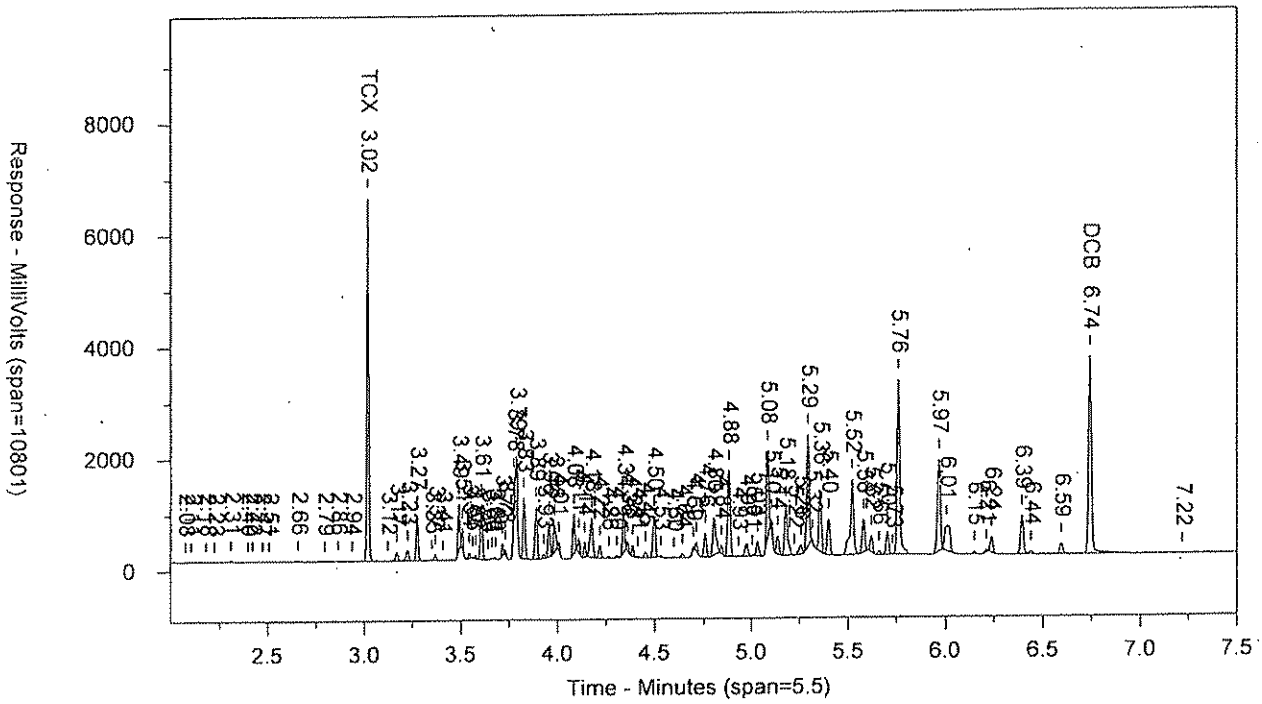

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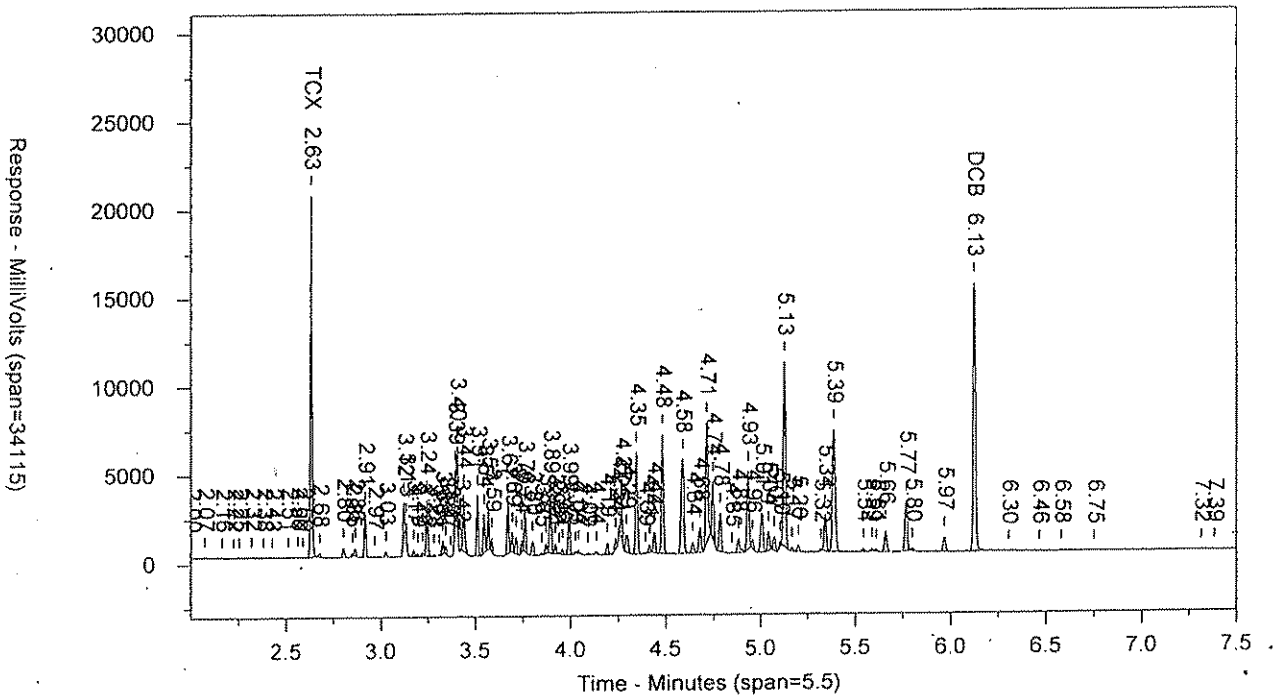

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:32:35 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0011.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.073		1511	2413
2.31		36798	27004
2.398		14148	8921
2.421		14540	9316
2.514		1787	1842
2.658		31348	23212
2.862		3895	3376
2.935		9205	11070
3.017	TCX	7859487	5246285
3.121		3431	3251
3.169		271128	237973
3.226		320691	271914
3.274		1473033	1016508
3.349		11031	5596
3.368		175934	123479
3.407		4384	2976
3.489		1494095	911887
3.507		708846	379816
3.543		166745	99509
3.56		50714	22165
3.577		112035	64945
3.607		1804012	1326529
3.641		10049	5263
3.663		31533	19048
3.68		64579	40327
3.717		368020	216800
3.731		188096	92573
3.777		961492	541141
3.788		1913051	968980
3.827		2070625	1615806
3.889		1741278	1368411
3.929		133158	92093
3.955		1224961	886894
3.983		920338	753979
4.005		260865	144962
4.083		1352957	1005006
4.109		449488	298311
4.14		506200	371085
4.176		1362727	1361773
4.218		413009	341631
4.263		61647	51087
4.304		67784	61829
4.338		1385001	1015126
4.359		301983	183298
4.384		343834	254250
4.411		17581	11749
4.452		188941	168760
4.496		1388781	1230949
4.531		39981	25978
4.573		1377	802
4.596		11671	9396
4.639		111800	108542
4.694		120699	81471
4.71		272468	192656

RT A	Compound A	Height A	Area A
4.756		802686	721146
4.802		1281021	1415299
4.84		262210	205831
4.882		2955573	2732499
4.93		13414	13501
4.974		382169	450429
5.006		21943	13533
5.031		475968	441605
5.084		2923451	2352532
5.103		437521	244010
5.135		650923	556923
5.178		1686453	1795324
5.221		18704	10274
5.258		290429	343159
5.293		4027862	3689974
5.316		133231	61772
5.355		2026695	1819367
5.399		1255463	1163503
5.502		39737	128124
5.521		2124876	1886213
5.579		1102973	1003262
5.618		563656	472646
5.659		117666	109883
5.702		776156	700534
5.758		5814461	5936556
5.844		6024	6236
5.965		3247648	3303703
6.003		267962	292637
6.016		267532	178584
6.149		72739	72339
6.212		81828	62521
6.236		538385	467316
6.392		1287890	1289621
6.437		85236	80761
6.593		339090	362255
6.739	DCB	4463235	4457774
7.218		3570	4320
7.302		744	1095

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:32:35 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0011.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		41260	31288
2.164		5287	7819
2.226		2352	2454
2.318		77423	59605
2.424		3752	2543
2.533		3868	2801
2.563		18157	12342
2.589		19141	12048
2.632	TCX	25004090	14744540
2.675		341456	259883
2.803		961021	642920
2.85		146472	66450
2.863		764675	419144
2.915		4466284	2794459
2.965		57529	33592
3.026		545949	352202
3.122		5422898	5343219
3.173		651697	404745
3.194		309732	173213
3.22		388544	216534
3.244		5577794	3652651
3.281		218635	126016
3.308		104032	49237
3.326		1386852	718264
3.342		791372	377561
3.369		9690	4360
3.393		2911369	1366954
3.402		6654642	2889049
3.422		151367	57601
3.436		5814533	3857977
3.51		6216234	3845271
3.545		4137615	2476757
3.568		4463016	2463069
3.586		1358707	686967
3.672		5213171	3329543
3.695		1854997	1007797
3.715		1755557	1025091
3.745		1193207	620658
3.762		4360460	2524022
3.803		1414132	1060333
3.85		198674	163389
3.872		1054829	622361
3.894		5865616	3676755
3.919		1103142	646576
3.939		160040	75855
3.957		585266	357520
3.992		4489673	3031662
4.026		212300	135427
4.042		298452	194879
4.091		92681	95460
4.137		310384	276305
4.194		1172652	845036
4.237		1055321	606467
4.254		940469	480597

RT B	Compound B	Height B	Area B
4.267		3283420	1839847
4.293		1844923	1817125
4.345		10739790	7926547
4.392		118932	92888
4.414		896992	590717
4.439		2264608	1620828
4.482		12600930	9532014
4.584		10355760	9726334
4.638		1139194	972449
4.676		2754264	2270964
4.712		13221020	10825400
4.744		6391718	4411449
4.782		4381921	3310804
4.85		11123	13771
4.882		1536704	1479703
4.933		8156197	6511718
4.957		941300	591486
5.007		4083757	3693622
5.042		2053804	1572022
5.072		1465105	1213979
5.104		591475	332517
5.126		20658840	16677850
5.168		349462	270384
5.2		637371	536165
5.241		7541	3935
5.318		182584	122771
5.342		3999438	3216396
5.387		12807160	13853020
5.486		7399	5433
5.504		6414	3965
5.543		260373	228542
5.587		303681	241876
5.611		188926	132451
5.66		2220232	1881842
5.766		5447783	4415330
5.798		278550	199496
5.917		4654	3437
5.965		1370490	1244026
6.045		3111	2913
6.085		2350	1993
6.126	DCB	18466910	16391890
6.303		22899	20770
6.579		15426	14645
6.653		3184	4962
6.752		2882	2528
6.974		2384	2537
7.145		2414	2353
7.32		5448	6849
7.437		2971	6964
7.483		3136	3958
7.619		2486	3562
8.235		5395	8179

AR1651624B AAAR165AA ICAL 1625699999 10736 SW-846 8082

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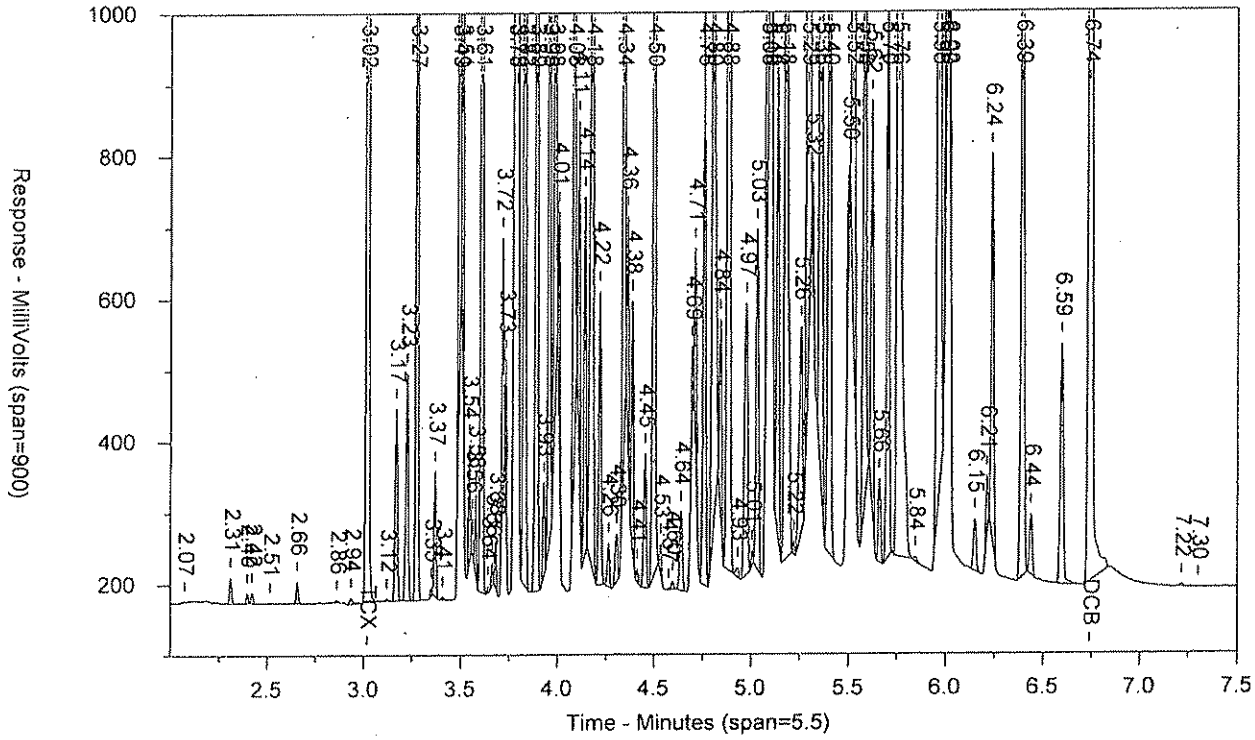

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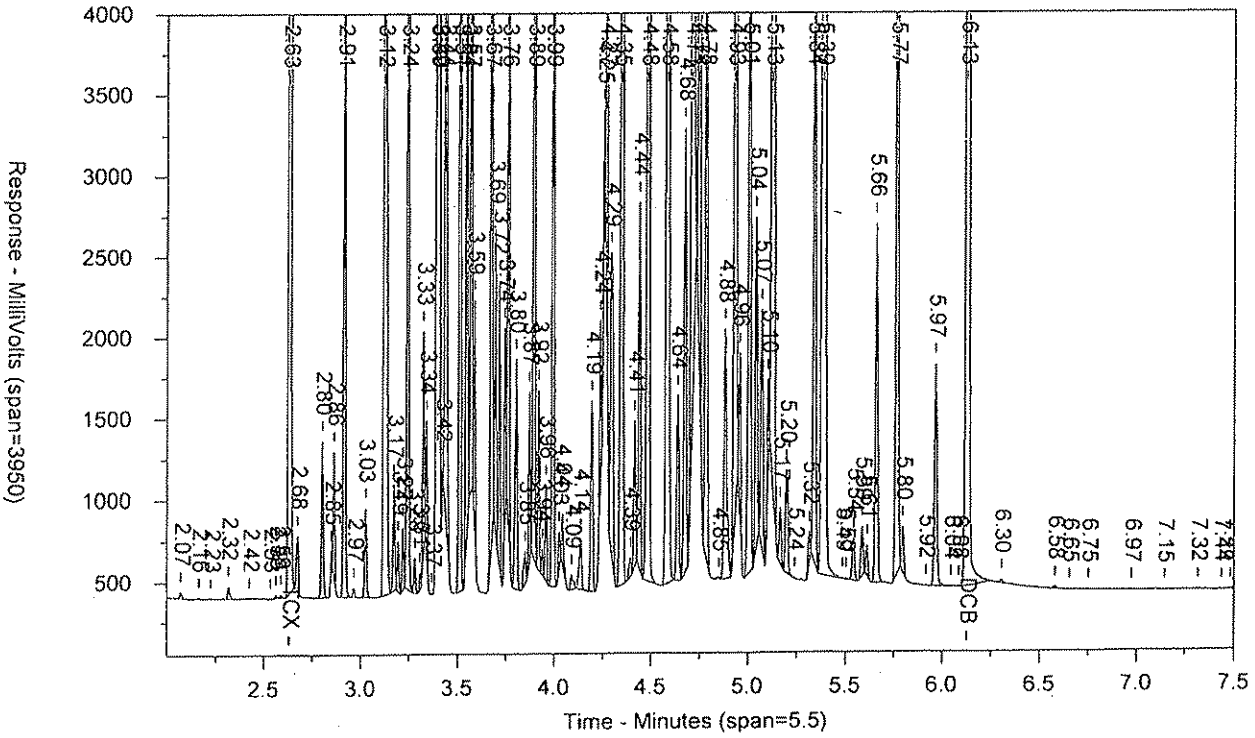

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:32:35 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
3.017	7859487	75.821	TCX	2.632	25004090	76.737	TCX
6.739	4463235	82.63	DCB	6.126	18466910	78.539	DCB

Files:
Area File: 20pcbs16257001.0011.RAW
Area File: 20pcbs16257001B.0011.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 6:41:18 PM
File Reported On: 9/13/2016 at 6:41:27 PM

AR1651624B AAAR165AA ICAL 1625699999 10736 SW-846 8082

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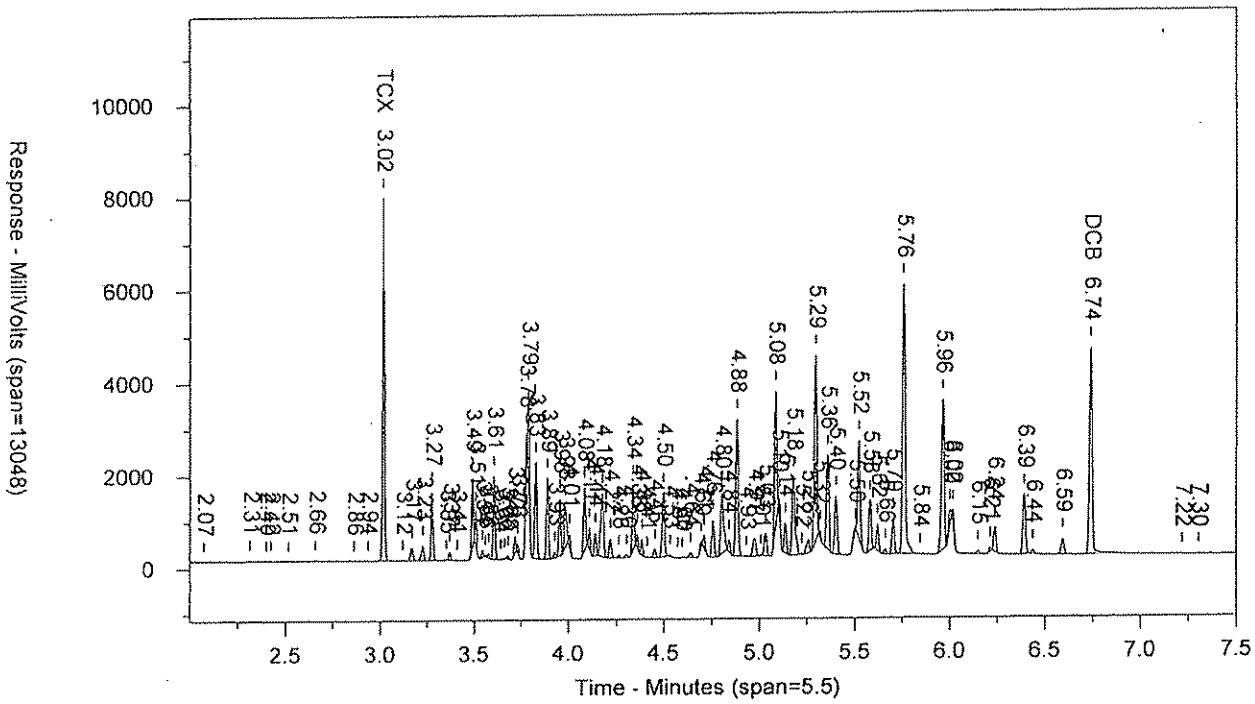

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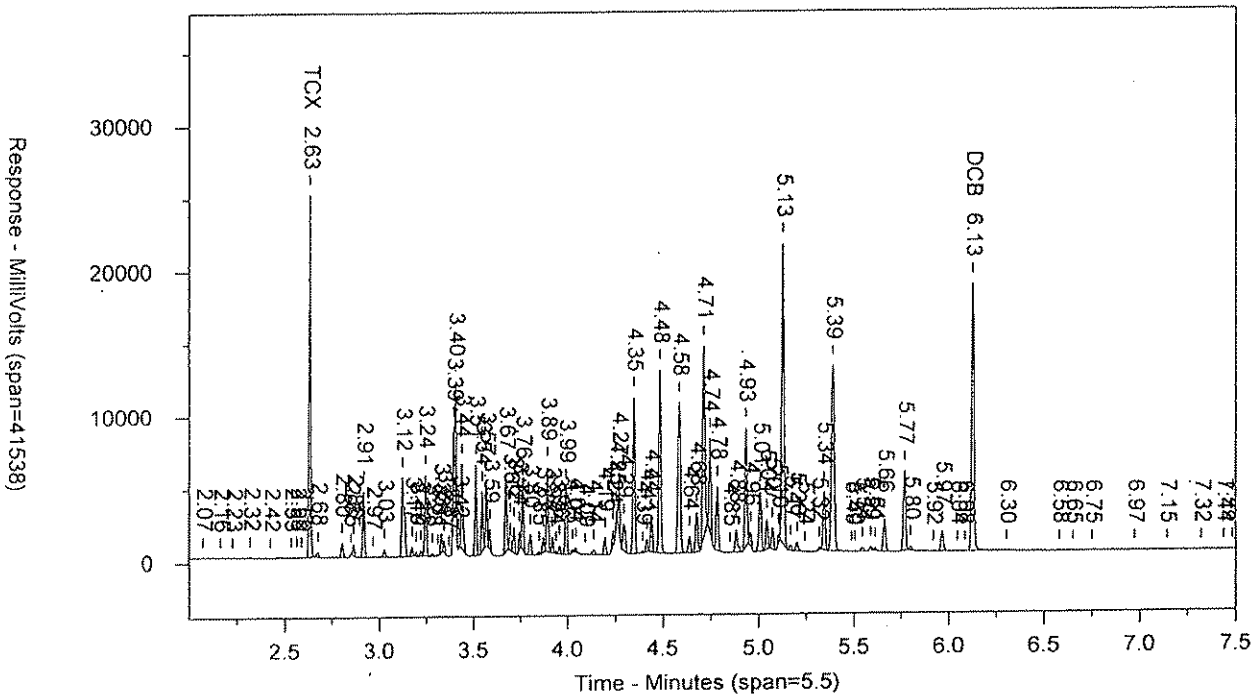

LANCASTER LABORATORIES

Sample Number: AR4811624B AAAR481AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:44:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0012.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.074		2169	5375
2.119		1516	3808
2.17		1175	992
2.225		1952	3588
2.311		1829	1239
2.398		12712	9273
2.507		1057	899
2.638		926	541
2.658		1177	858
2.862		6420	5148
2.937		1605	3733
3.017	TCX	390594	262128
3.171		5464	5100
3.218		5860	6602
3.274		22664	15734
3.348		924	499
3.368		3267	2251
3.489		52834	33655
3.507		16891	8353
3.544		3411	1945
3.577		1624	889
3.606		54065	39423
3.643		874	653
3.665		1287	703
3.68		2220	1264
3.716		11100	6572
3.756		3708	2089
3.776		43107	25580
3.788		42617	22674
3.827		63824	52241
3.888		61252	49401
3.929		9480	6366
3.955		115484	84893
3.983		73811	61812
4.005		22037	11925
4.083		121495	91634
4.109		35738	24040
4.14		43623	32130
4.176		97859	95029
4.217		34453	27739
4.263		3244	2373
4.303		9321	8761
4.338		85882	62182
4.359		106810	70815
4.383		107875	81064
4.411		22230	17412
4.451		10212	9038
4.493		111866	95226
4.516		23676	12916
4.531		15786	8290
4.572		1666	1281
4.596		6078	4813
4.64		31847	28105
4.694		46119	40807

RT A	Compound A	Height A	Area A
4.726		26198	20416
4.756		75658	67997
4.802		1642	1882
4.844		28843	25577
4.88		6985	8230
4.933		6314	5245
4.976		46410	44860
5.052		9308	11348
5.084		5675	3856
5.103		3660	2490
5.178		45960	42413
5.219		1116	843
5.25		1287	1360
5.294		13242	11664
5.355		2151	1659
5.398		1161	1110
5.504		2238	1896
5.576		1658	2245
5.702		2325	2677
5.758		5394	5944
5.963		3584	4104
6.016		1525	2626
6.15		1433	1317
6.176		1781	1464
6.215		1513	1440
6.392		1972	1878
6.593		3216	3390
6.653		695	512
6.739	DCB	250662	272119
7.228		476	746

LANCASTER LABORATORIES

Sample Number: AR4811624B AAAR481AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:44:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0012.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		2679	1944
2.172		3448	6641
2.226		4308	5500
2.319		3450	2662
2.426		4904	3264
2.512		4953	3012
2.533		3428	2554
2.562		30364	30420
2.632	TCX	1203894	721978
2.675		3857	2697
2.717		2076	2368
2.803		18378	12376
2.85		14028	6759
2.863		6529	3269
2.916		66516	43900
2.965		3787	2051
3.001		2141	1387
3.026		10641	6562
3.122		174797	157565
3.173		14877	9644
3.196		9333	6070
3.22		3535	1677
3.244		143366	95412
3.281		10195	10503
3.307		5515	2206
3.327		27195	13399
3.342		41112	21165
3.392		145247	66129
3.401		140401	54767
3.423		23794	10294
3.435		145337	88515
3.51		201713	128525
3.544		349118	214856
3.568		314841	176323
3.586		103115	52551
3.671		421452	261719
3.694		136374	73624
3.715		137425	82347
3.744		62845	30984
3.761		285007	172212
3.803		110290	81024
3.85		21271	19649
3.872		212683	132465
3.894		544183	345101
3.919		363781	223656
3.939		26078	12438
3.957		31968	17261
3.992		163844	117531
4.027		267219	207587
4.055		125794	70349
4.091		90992	90225
4.137		93947	72369
4.194		167407	126223
4.226		98681	68203

RT B	Compound B	Height B	Area B
4.254		254709	183474
4.293		5117	4982
4.347		102887	95785
4.382		22714	16855
4.415		150628	110580
4.438		5447	3385
4.481		24507	16954
4.508		12625	9050
4.583		13794	11089
4.597		9244	5861
4.633		131617	104305
4.672		7810	6420
4.712		42025	36693
4.744		4912	4724
4.779		3785	2761
4.933		8600	6414
4.957		12691	9706
5.007		4050	3647
5.044		1962	1418
5.105		4699	2804
5.127		16542	14045
5.199		3182	2636
5.343		6417	5627
5.388		12246	11999
5.54		8904	12061
5.611		5680	5044
5.661		2631	2751
5.767		6951	7384
5.966		13346	11954
6.126	DCB	1013903	917599
8.238		5940	12388

AR4811624B AAAR481AA ICAL 1625699999 10736 SW-846 8082

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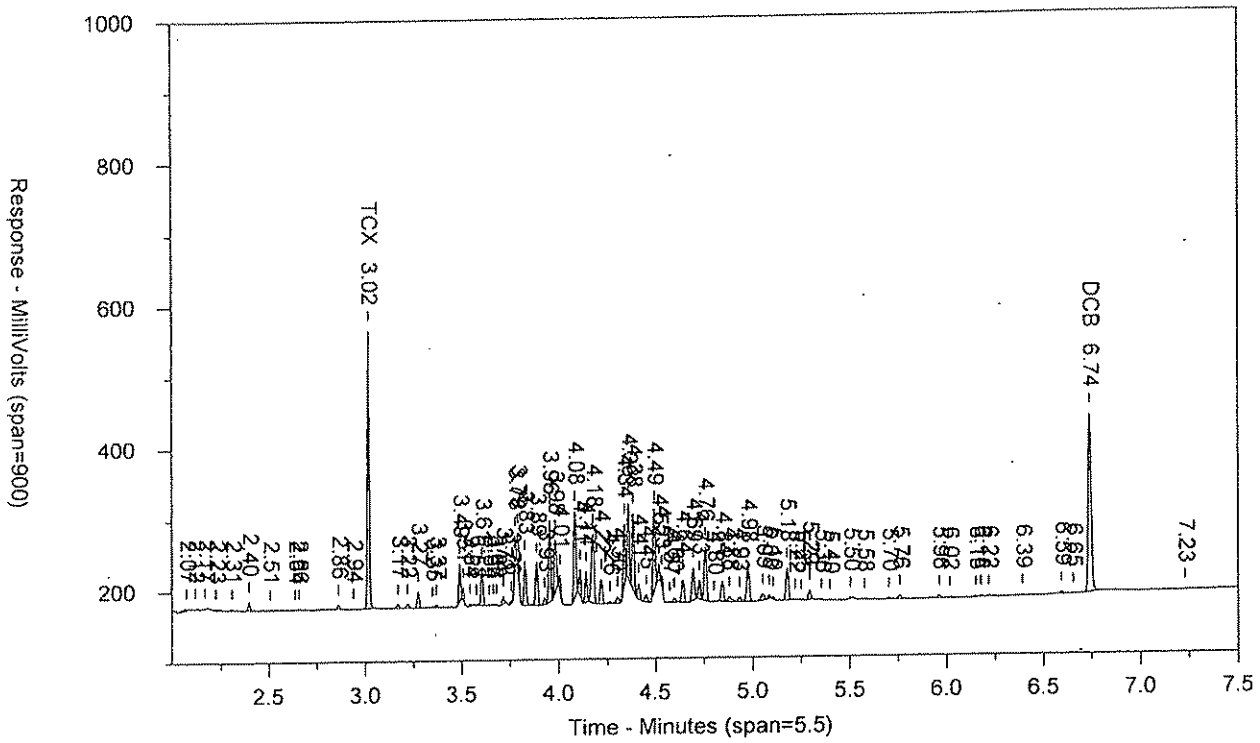

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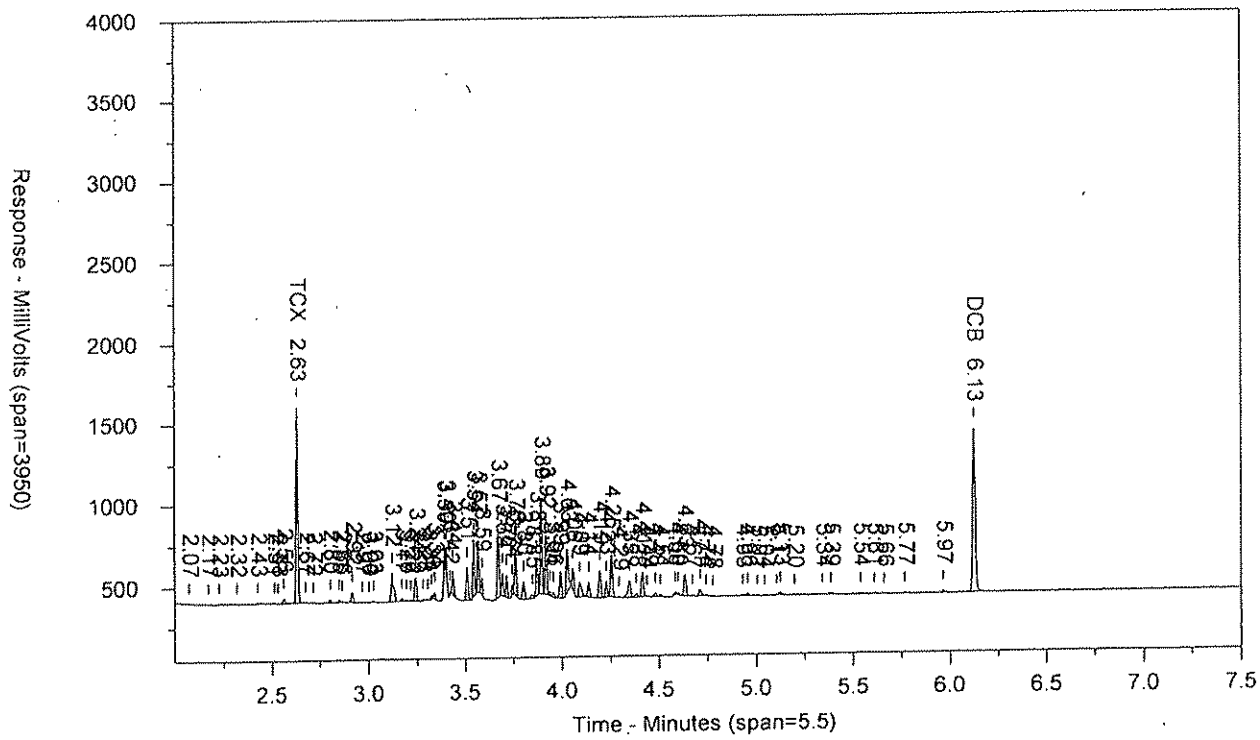

LANCASTER LABORATORIES

Sample Number: AR4811624B AAAR481AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:44:04 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	390594	3.803	TCX	2.632	1203894	3.735	TCX
6.739	250662	4.303	DCB	6.126	1013903	4.067	DCB

Files:
Area File: 20pcbs16257001.0012.RAW
Area File: 20pcbs16257001B.0012.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 6:52:47 PM
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AR4811624B AAAR481AA ICAL 1625699999 10736 SW-846 8082

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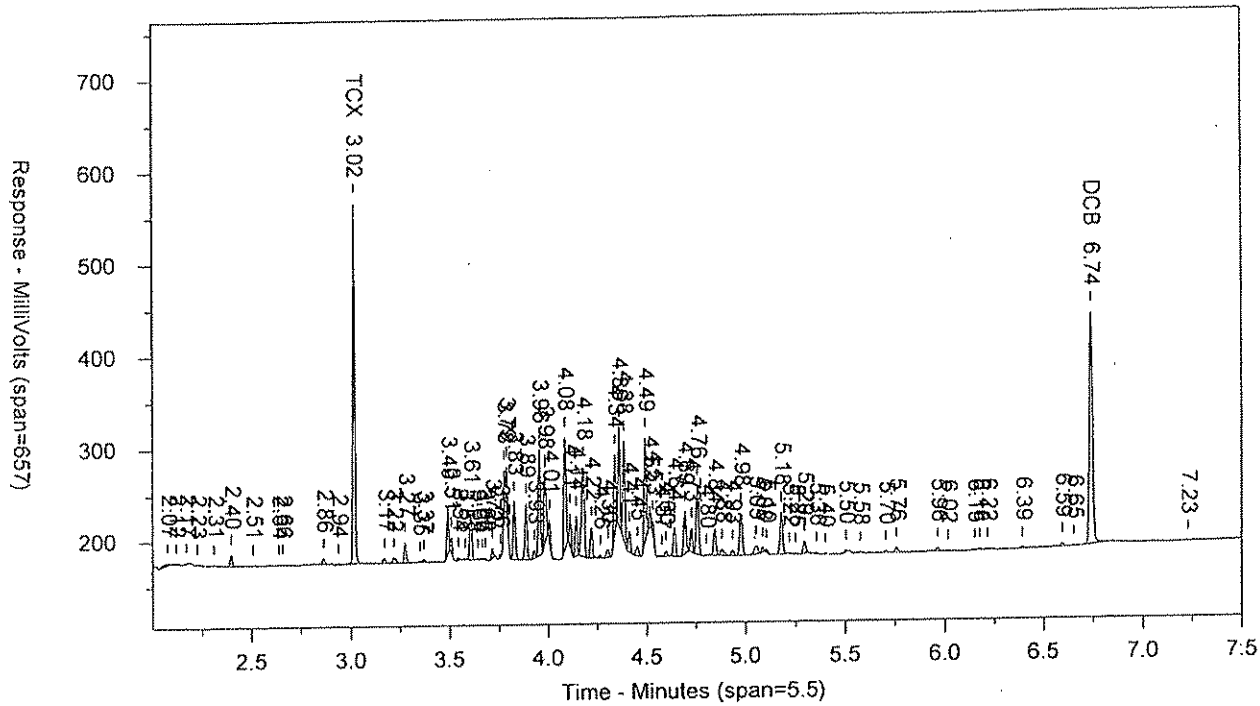

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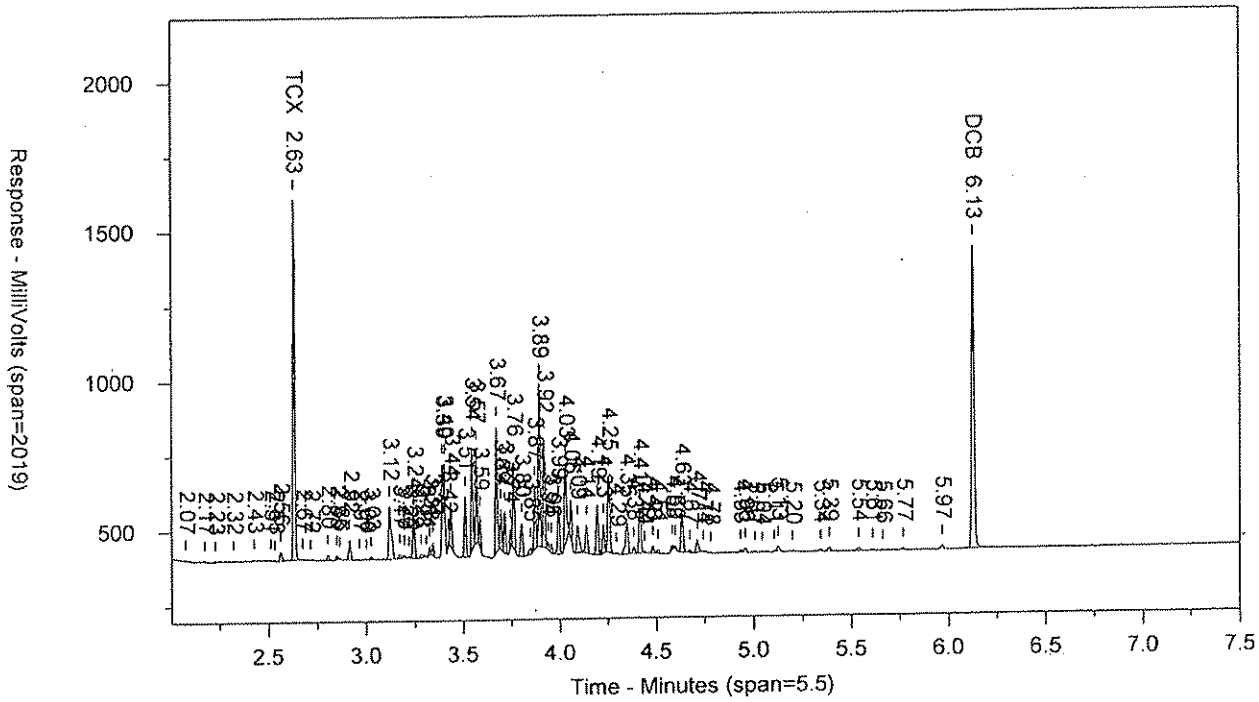

LANCASTER LABORATORIES

Sample Number: AR4821624B AAAR482AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:55:31 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: 20pcbs16257001.0013.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.071		1693	2995
2.174		3181	6765
2.226		1282	2376
2.31		9248	7218
2.397		10780	7428
2.422		3591	2138
2.51		1328	1599
2.636		944	554
2.658		1625	1040
2.806		835	978
2.862		7541	6247
2.904		1360	799
2.934		1454	2670
3.017	TCX	1935695	1296366
3.17		10609	9159
3.217		26987	22699
3.274		44041	30533
3.349		3523	1915
3.367		6139	3991
3.488		101043	62351
3.505		31116	16138
3.543		6633	3919
3.576		2230	1097
3.605		96280	72637
3.662		9754	5346
3.679		3935	2081
3.715		20050	12043
3.73		6084	2475
3.755		4543	2322
3.775		75805	44751
3.787		80001	43748
3.826		119117	97689
3.887		112136	93806
3.928		18685	12430
3.953		209503	154839
3.981		134322	112360
4.004		43719	25688
4.082		224920	170442
4.108		67659	46068
4.138		81900	61635
4.175		183337	179464
4.216		64680	54437
4.262		7194	6006
4.302		18665	17018
4.337		157863	113680
4.358		203084	129420
4.382		203519	152701
4.409		19950	14822
4.45		22591	19377
4.492		200559	175502
4.514		48217	26503
4.53		24692	15241
4.572		2945	2180
4.596		12352	9542

RT A	Compound A	Height A	Area A
4.639		60556	54592
4.692		85661	77612
4.724		50188	38302
4.755		142416	127737
4.803		3510	3781
4.843		56962	49872
4.88		13541	15157
4.932		12390	10939
4.974		88796	84086
5.05		11390	14523
5.083		9873	6732
5.102		7186	4895
5.135		1411	1151
5.178		84276	81052
5.22		2357	1706
5.246		3337	3964
5.293		24763	25826
5.354		3419	2640
5.396		1989	3626
5.503		5217	3992
5.577		2093	2179
5.661		1145	1144
5.703		4273	5018
5.759		7337	6012
5.781		2070	1285
5.961		5597	6006
6.013		2620	4205
6.15		7367	6202
6.177		3654	2946
6.213		8183	10211
6.391		3423	3870
6.452		1136	1151
6.591		13845	14251
6.738	DCB	1092494	1208962
7.211		1448	1573

LANCASTER LABORATORIES

Sample Number: AR4821624B AAAR482AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:55:31 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: 20pcbs16257001B.0013.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.004		980	171
2.071		10834	10899
2.168		4464	11250
2.222		3978	4505
2.319		5310	4784
2.425		8220	7472
2.512		4752	2675
2.533		3717	2611
2.563		34136	29026
2.632	TCX	6038131	3622322
2.675		6491	3162
2.804		36691	25771
2.849		69954	36994
2.864		11977	4958
2.915		124428	78269
2.965		14728	8674
3.026		20760	12853
3.122		336196	298967
3.173		27520	17628
3.195		12205	7455
3.219		7877	4066
3.243		272389	183247
3.281		17411	12159
3.308		31341	15629
3.326		53362	26529
3.341		55645	28489
3.392		240154	116602
3.401		263912	111567
3.422		48566	20395
3.435		276614	174186
3.51		390679	246599
3.544		659688	405957
3.567		608118	332382
3.585		184615	95099
3.67		767405	498519
3.694		250111	136638
3.714		260891	153576
3.744		119480	59132
3.76		554751	330632
3.802		214687	153042
3.849		41814	36986
3.871		413365	252079
3.893		1071397	661629
3.918		703906	427499
3.938		55833	26928
3.956		59169	33655
3.991		313863	220978
4.026		466699	313830
4.041		35788	10151
4.054		240331	132548
4.09		88489	98892
4.136		183780	137755
4.193		316794	238809
4.225		183372	127453

RT B	Compound B	Height B	Area B
4.253		475065	349561
4.29		9518	8960
4.346		191493	180383
4.381		45652	33028
4.413		276464	208848
4.437		9454	4997
4.48		39980	27822
4.506		24111	17098
4.581		50318	65995
4.632		252418	203493
4.672		13460	12096
4.711		76336	67371
4.743		7582	7645
4.778		4433	2875
4.837		1337	3577
4.897		3438	4462
4.932		12165	8938
4.956		24225	18379
5.005		7572	7257
5.042		2881	2284
5.074		5674	4476
5.104		8365	5596
5.125		24321	21107
5.2		13662	14538
5.342		11749	10056
5.388		19639	20216
5.542		31485	38507
5.611		28984	24979
5.66		7919	8223
5.767		11238	10372
5.966		52582	45111
6.125	DCB	4529631	4127808
6.578		4373	4329
7.801		1344	2339
8.233		5062	7896

AR4821624B AAAR482AA ICAL 1625699999 10736 SW-846 8082

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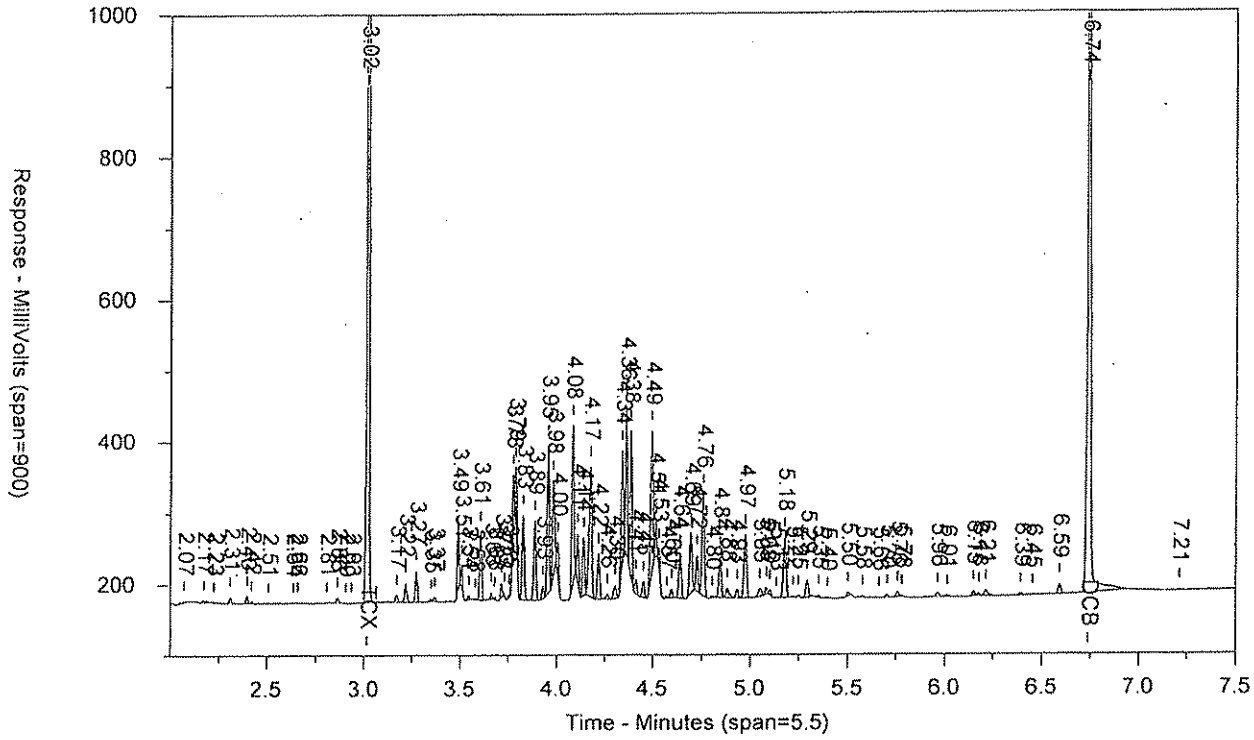

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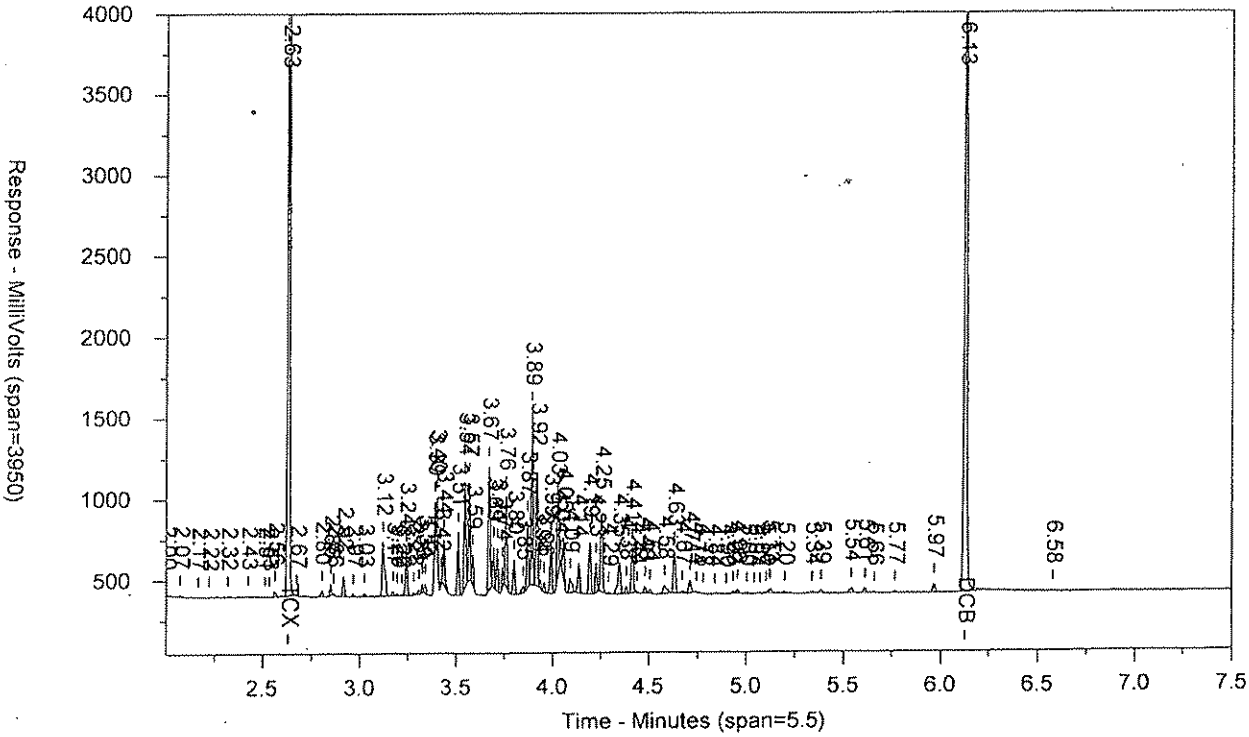

LANCASTER LABORATORIES

Sample Number: AR4821624B AAAR482AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 6:55:31 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
3.017	1935695	18.845	TCX	2.632	6038131	18.734	TCX
6.738	1092494	18.755	DCB	6.125	4529631	18.168	DCB

Files:
Area File: 20pcbs16257001.0013.RAW
Area File: 20pcbs16257001B.0013.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 7:04:14 PM
File Reported On: 9/13/2016 at 7:04:23 PM

AR4821624B AAAR482AA ICAL 1625699999 10736 SW-846 8082

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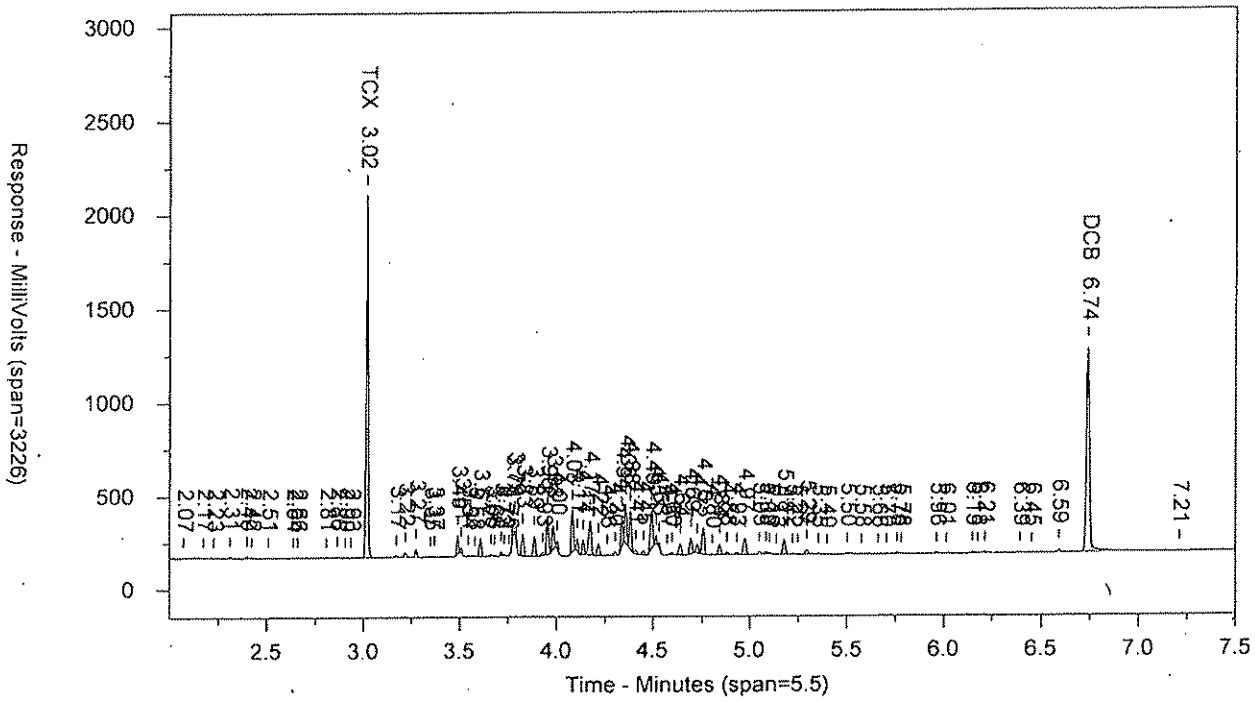

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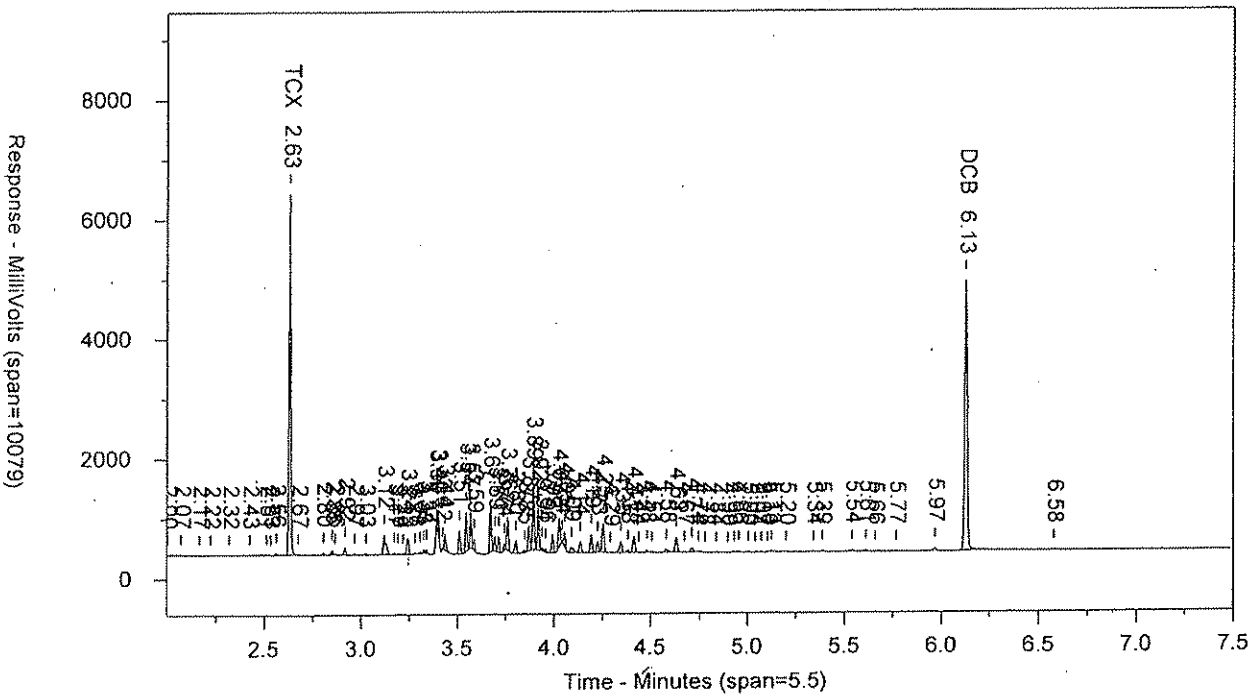

LANCASTER LABORATORIES

Sample Number: AR4831624B AAAR483AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:06:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0014.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.078		1572	3876
2.172		4064	9999
2.227		2421	4067
2.31		18948	14626
2.397		9406	6255
2.421		6982	4664
2.514		1059	748
2.637		1203	714
2.658		2748	1753
2.819		841	1226
2.86		3832	2987
2.933		1657	2344
3.017	TCX	3993680	2658376
3.119		1535	1392
3.169		20734	17145
3.217		51105	44007
3.273		78831	56079
3.348		7172	3924
3.367		12076	7323
3.488		176771	110010
3.505		55445	28818
3.542		13193	7754
3.558		3514	1521
3.575		4722	2432
3.605		171160	128943
3.661		19989	11491
3.679		8222	4298
3.714		36494	21313
3.729		10810	5090
3.754		3130	1601
3.775		152186	87318
3.787		144874	79783
3.826		209051	175775
3.887		207499	170047
3.927		33336	23057
3.953		383674	278307
3.981		245323	197832
4.004		75524	44225
4.082		405685	307242
4.107		116090	79775
4.138		149747	112316
4.174		337864	328396
4.216		121260	99363
4.261		13568	10914
4.302		34636	31696
4.337		292868	206285
4.358		363679	240478
4.382		378335	284361
4.409		19505	13062
4.449		41284	38595
4.491		371731	321189
4.514		78136	43612
4.529		47053	25765
4.571		6277	4168

RT A	Compound A	Height A	Area A
4.595		23265	18178
4.638		108996	101010
4.691		153413	141300
4.724		89540	69633
4.755		263577	231335
4.799		7214	7596
4.842		101721	91947
4.88		25014	30545
4.932		25809	22834
4.974		159472	156201
5.055		16805	22268
5.083		16434	11787
5.103		13328	9075
5.135		2464	1951
5.177		157898	150164
5.218		4762	3701
5.247		6775	7824
5.293		46510	41401
5.332		2389	1282
5.354		6424	4875
5.397		3406	3394
5.503		16415	26511
5.577		3265	3204
5.659		2606	2320
5.702		8120	9080
5.757		12762	10361
5.779		4470	2993
5.927		485	673
5.962		11074	11333
6.014		4435	6987
6.148		15146	13642
6.175		2912	2282
6.213		17308	20884
6.391		11595	30978
6.449		810	925
6.56		533	627
6.59		27998	27089
6.738	DCB	2167477	2203790
6.812		2573	2453
7.213		2011	2481

LANCASTER LABORATORIES

Sample Number: AR4831624B AAAR483AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:06:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0014.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		21164	18454
2.162		3507	3720
2.226		3154	3563
2.319		8161	7742
2.426		9520	8994
2.511		4737	2703
2.536		3082	2184
2.563		18128	13775
2.59		2287	1266
2.632	TCX	12032110	7314940
2.804		66106	48691
2.849		148516	111560
2.916		230035	144055
2.965		29088	17484
3.026		39901	24749
3.121		610850	546188
3.173		50334	30464
3.195		22397	12876
3.22		14492	7676
3.243		503127	337777
3.281		31069	20232
3.308		64108	32393
3.326		104787	52724
3.341		71336	34917
3.391		491343	217058
3.401		498170	208328
3.421		90346	35892
3.435		501527	324076
3.509		709125	459020
3.544		1240788	747605
3.567		1117427	616792
3.585		354421	178782
3.67		1486432	945247
3.693		451264	250246
3.714		499243	288281
3.743		234064	115265
3.76		1078444	628749
3.802		396888	285480
3.849		73045	65257
3.87		786376	469564
3.893		1972101	1246721
3.917		1349532	810684
3.937		102572	49835
3.955		104871	58207
3.99		550949	406929
4.025		886945	597571
4.04		47129	13257
4.054		506338	270125
4.089		39571	22948
4.1		35429	17209
4.135		335879	254952
4.192		584205	438947
4.225		344448	235015
4.252		907895	653944

RT B	Compound B	Height B	Area B
4.29		18910	17578
4.346		360726	337211
4.38		83938	62243
4.412		521587	393444
4.437		18344	10041
4.48		74621	50264
4.506		44715	31125
4.58		92401	109638
4.631		488043	395677
4.672		25515	22990
4.711		142992	123177
4.742		10895	5250
4.781		10983	7143
4.823		2502	2836
4.856		2516	1536
4.882		2242	1450
4.897		4362	2844
4.932		23590	17293
4.956		46819	35558
5.006		12602	12890
5.039		4708	3725
5.073		8616	8796
5.104		16229	11006
5.125		46588	37667
5.199		24850	26569
5.317		1751	1222
5.341		21677	17934
5.388		37064	38573
5.542		58802	61377
5.61		87506	84970
5.662		36269	74997
5.765		22113	18351
5.966		93758	86249
5.997		2681	1723
6.125	DCB	8999272	8020085
6.575		7844	9019
7.813		1377	2036
7.974		1835	2134
8.236		5999	11024

AR4831624B AAAR483AA ICAL 1625699999 10736 SW-846 8082

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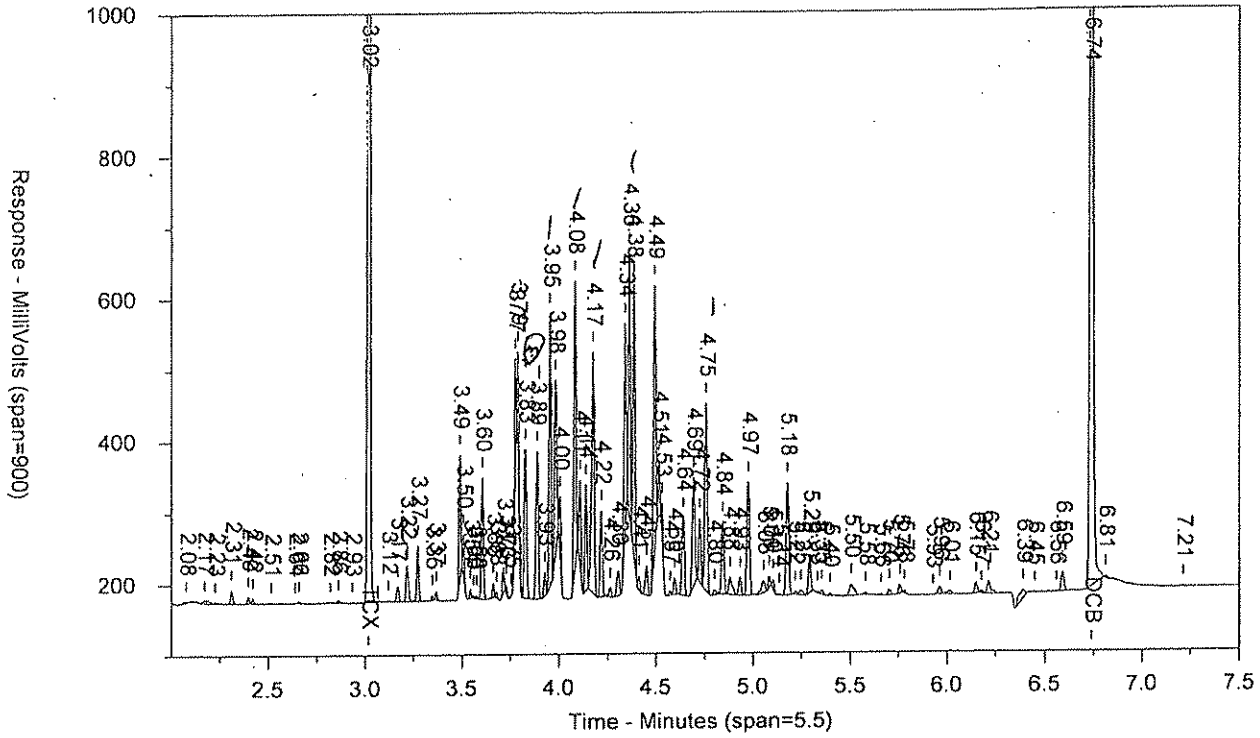

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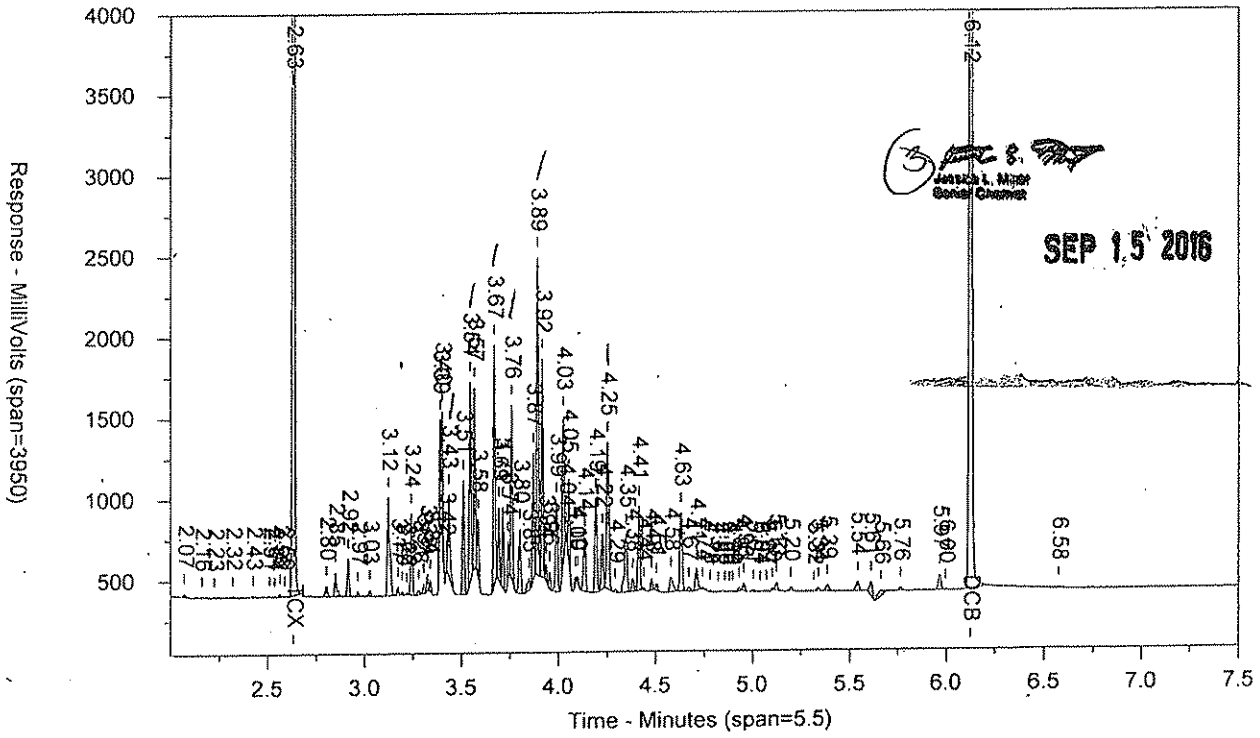

SEP 15 2016

LANCASTER LABORATORIES

Sample Number: AR4831624B AAAR483AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:06:49 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	3993680	38.88	TCX	2.632	12032110	37.33	TCX
6.738	2167477	37.21	DCB	6.125	8999272	36.095	DCB

Files:
Area File: 20pcbs16257001.0014.RAW
Area File: 20pcbs16257001B.0014.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 7:15:33 PM
File Reported On: 9/13/2016 at 7:15:43 PM

AR4831624B AAAR483AA ICAL 1625699999 10736 SW-846 8082

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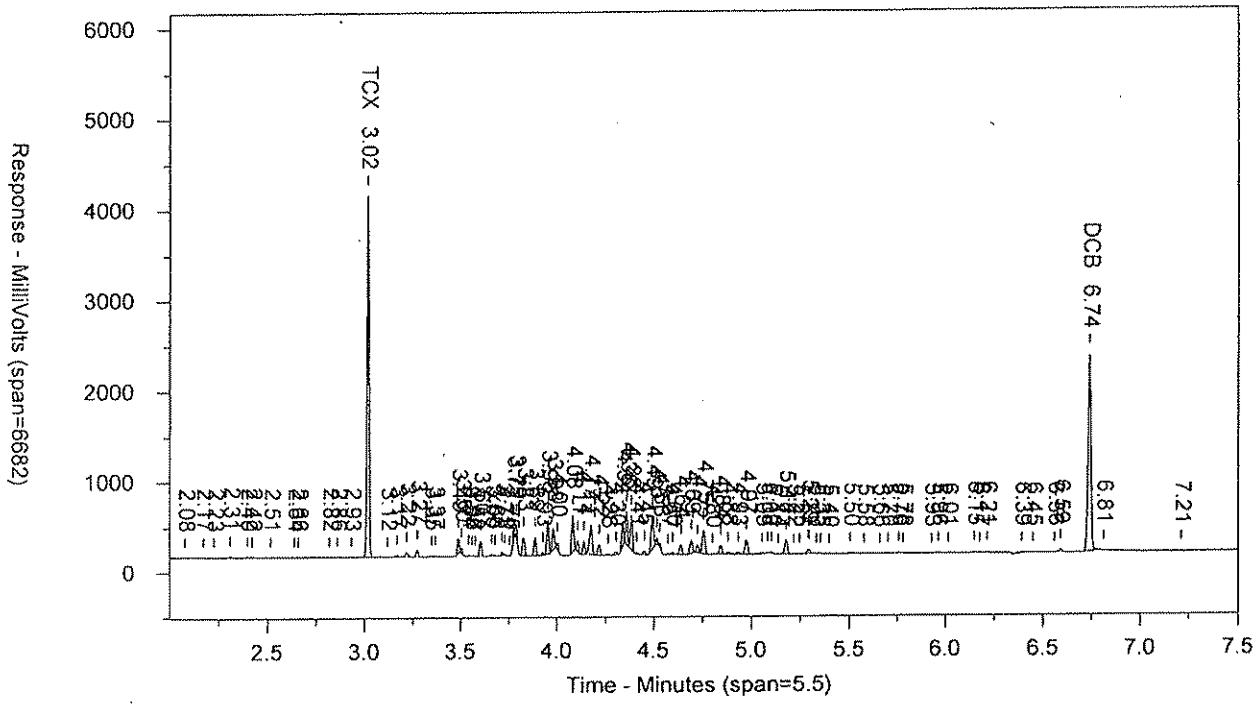

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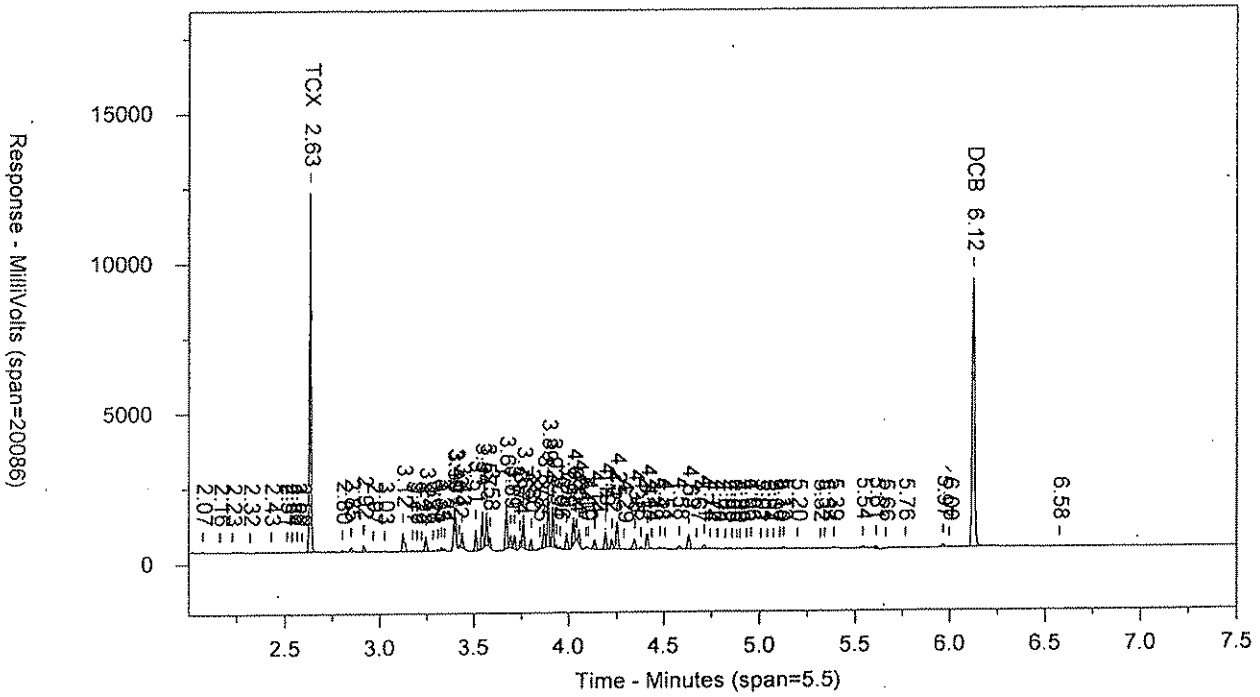

LANCASTER LABORATORIES

Sample Number: AR4841624B AAAR484AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:18:13 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: 20pcbs16257001.0015.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.076		1713	3720
2.172		3084	13532
2.236		7153	17685
2.31		27872	20446
2.398		4600	2839
2.421		10459	7236
2.518		1711	1872
2.658		6425	4654
2.803		805	555
2.86		2283	1858
2.902		1352	1847
2.935		1784	1752
3.017	TCX	6090086	3980410
3.123		3488	3877
3.169		49399	42625
3.218		78861	72296
3.273		177511	125984
3.348		10228	5564
3.367		29788	19359
3.488		377684	239720
3.505		112773	60398
3.542		31834	19373
3.559		8233	3555
3.575		10577	5476
3.605		378751	287642
3.639		1605	767
3.662		27268	15906
3.679		21449	11996
3.714		79890	47212
3.729		26102	12460
3.775		333667	197491
3.787		360613	193571
3.826		493814	402601
3.887		482470	393580
3.928		73664	50159
3.953		873685	636610
3.981		566157	457091
4.003		164765	95029
4.082		1034500	735340
4.108		279339	186248
4.139		335873	249264
4.174		788156	762960
4.216		264482	222317
4.262		31764	26486
4.302		78590	71984
4.337		730322	492178
4.358		873946	582503
4.382		951696	700133
4.41		14275	8894
4.45		90154	90147
4.492		929548	769712
4.514		215488	119786
4.529		97531	58281
4.571		14748	10920

RT A	Compound A	Height A	Area A
4.596		51243	40474
4.639		236369	221699
4.692		355588	318879
4.725		204032	153890
4.755		602992	532314
4.801		12231	9013
4.843		221985	203553
4.88		57607	70401
4.932		58518	53435
4.974		367192	351634
5.031		4741	3374
5.057		30296	29725
5.083		40939	28934
5.103		28734	20609
5.135		6594	5381
5.177		375829	348883
5.22		11128	8621
5.248		13618	16845
5.293		99359	93732
5.315		4718	2180
5.333		4990	2690
5.355		15271	12265
5.398		8569	8110
5.503		39511	64575
5.577		8629	8441
5.617		3030	2453
5.66		3657	3389
5.702		19989	17532
5.729		2984	1909
5.757		34380	29775
5.78		5988	3328
5.963		26407	28303
6.016		11324	18756
6.149		21766	20698
6.214		17611	15165
6.236		4300	2744
6.392		14778	14935
6.592		38576	39536
6.69		710	740
6.738	DCB	3305778	3325307
7.214		3055	4152
7.439		751	1003

LANCASTER LABORATORIES

Sample Number: AR4841624B AAAR484AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:18:13 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: 20pcbs16257001B.0015.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		29865	25594
2.163		4999	7689
2.224		3821	9035
2.319		18028	14148
2.424		7217	12309
2.531		2238	1523
2.562		7050	5318
2.589		3336	1681
2.632	TCX	18012560	10861820
2.675		29469	16655
2.803		158660	114350
2.849		178618	92706
2.863		60812	26659
2.915		530784	332996
2.965		42948	24346
2.998		2071	1569
3.026		93902	58570
3.086		1316	1147
3.122		1409908	1248993
3.173		112111	68250
3.195		44575	25355
3.22		34946	18899
3.243		1151777	780394
3.28		74677	45137
3.307		87589	44271
3.326		251086	130618
3.341		105489	49841
3.369		1868	920
3.391		1078998	526751
3.401		1258340	524184
3.421		207519	80778
3.435		1246551	778324
3.509		1659148	1085557
3.543		2829319	1755886
3.567		2632922	1441520
3.585		809656	415872
3.67		3577722	2254475
3.693		1081094	581028
3.713		1140393	665296
3.743		503306	254775
3.76		2487139	1488123
3.802		909167	658251
3.849		174536	149963
3.871		1915508	1120133
3.893		4924291	3029223
3.917		3436195	1979178
3.937		246927	118083
3.956		238815	131531
3.991		1346725	937195
4.026		2233143	1448414
4.041		126236	34313
4.054		1202528	673099
4.101		184164	185903
4.135		789498	590718

RT B	Compound B	Height B	Area B
4.192		1358440	1051495
4.225		780096	542343
4.252		2168701	1554646
4.291		41543	39866
4.346		831045	775676
4.381		194693	143290
4.413		1285330	925382
4.437		42649	23247
4.48		165458	111167
4.505		97511	70352
4.581		218185	226763
4.631		1239474	966142
4.672		63718	56660
4.71		333474	291424
4.743		26602	13226
4.757		18542	8732
4.781		24581	16439
4.856		4334	4658
4.882		5924	3866
4.897		11226	7325
4.932		56111	40270
4.956		105106	83390
5.006		30801	29047
5.042		10567	8248
5.074		13163	11868
5.103		39388	26052
5.125		103435	87977
5.199		37316	31885
5.318		2090	1287
5.341		49527	41556
5.387		92857	93890
5.542		71292	64970
5.61		68043	63470
5.66		26606	22535
5.766		49421	42544
5.796		2962	1986
5.921		2726	2522
5.966		140203	122830
5.996		3223	2395
6.126	DCB	13755220	12052850
6.301		3145	5136
6.578		11487	9638
8.23		4838	6893

AR4841624B AAAR484AA ICAL 1625699999 10736 SW-846 8082

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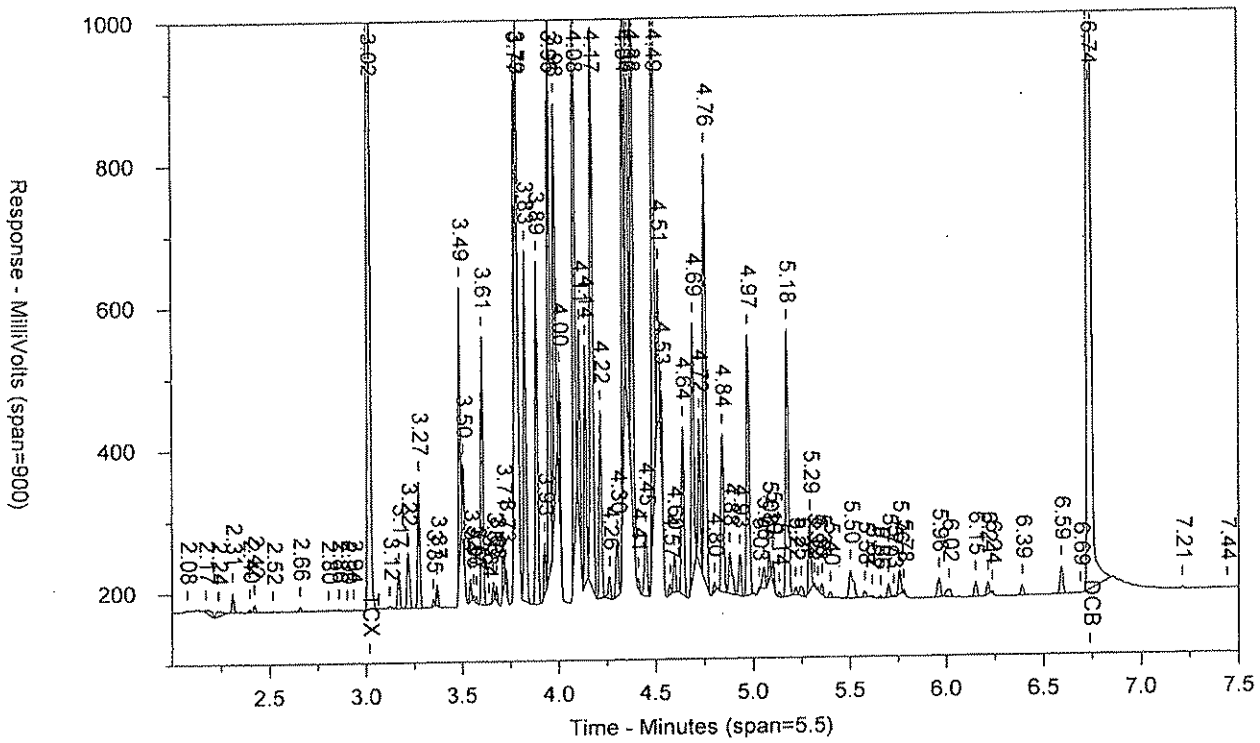

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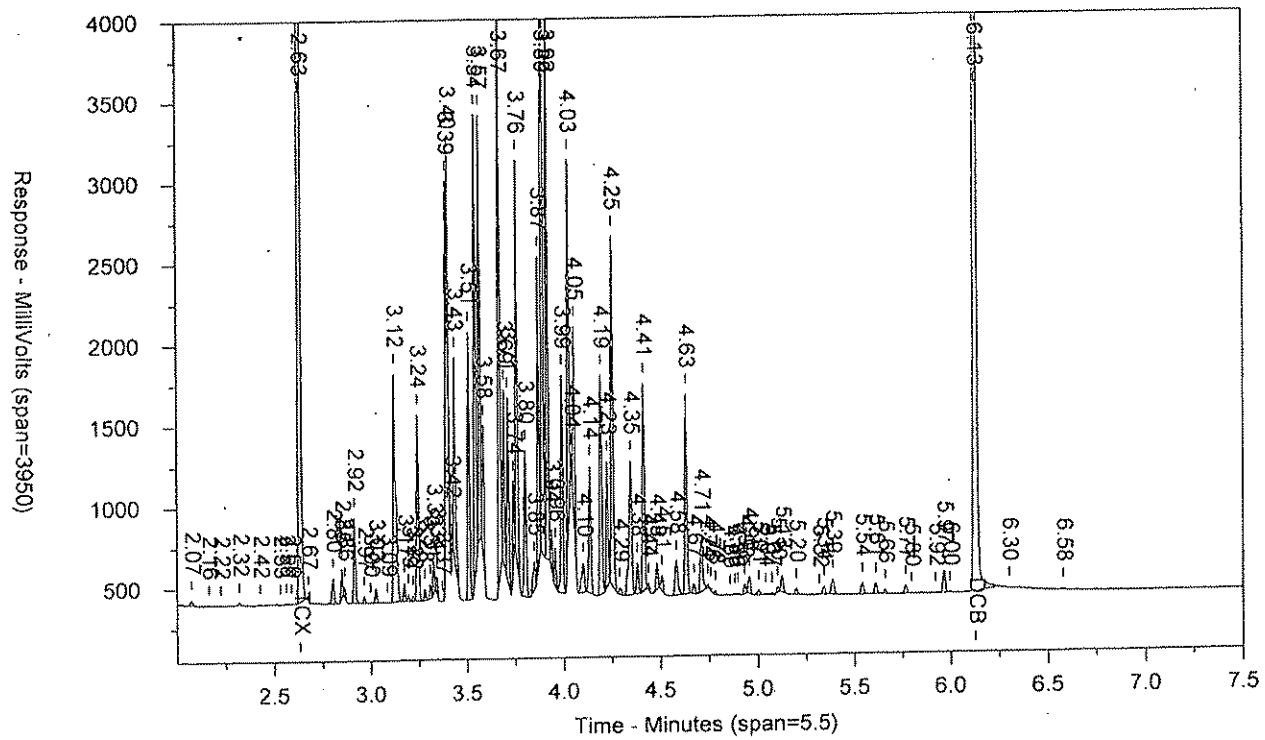

LANCASTER LABORATORIES

Sample Number: AR4841624B AAAR484AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:18:13 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
3.017	6090086	59.289	TCX	2.632	18012560	55.885	TCX
6.738	3305778	56.752	DCB	6.126	13755220	55.17	DCB

Files:
Area File: 20pcbs16257001.0015.RAW
Area File: 20pcbs16257001B.0015.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 7:26:56 PM
File Reported On: 9/13/2016 at 7:27:05 PM

AR4841624B AAAR484AA ICAL 1625699999 10736 SW-846 8082

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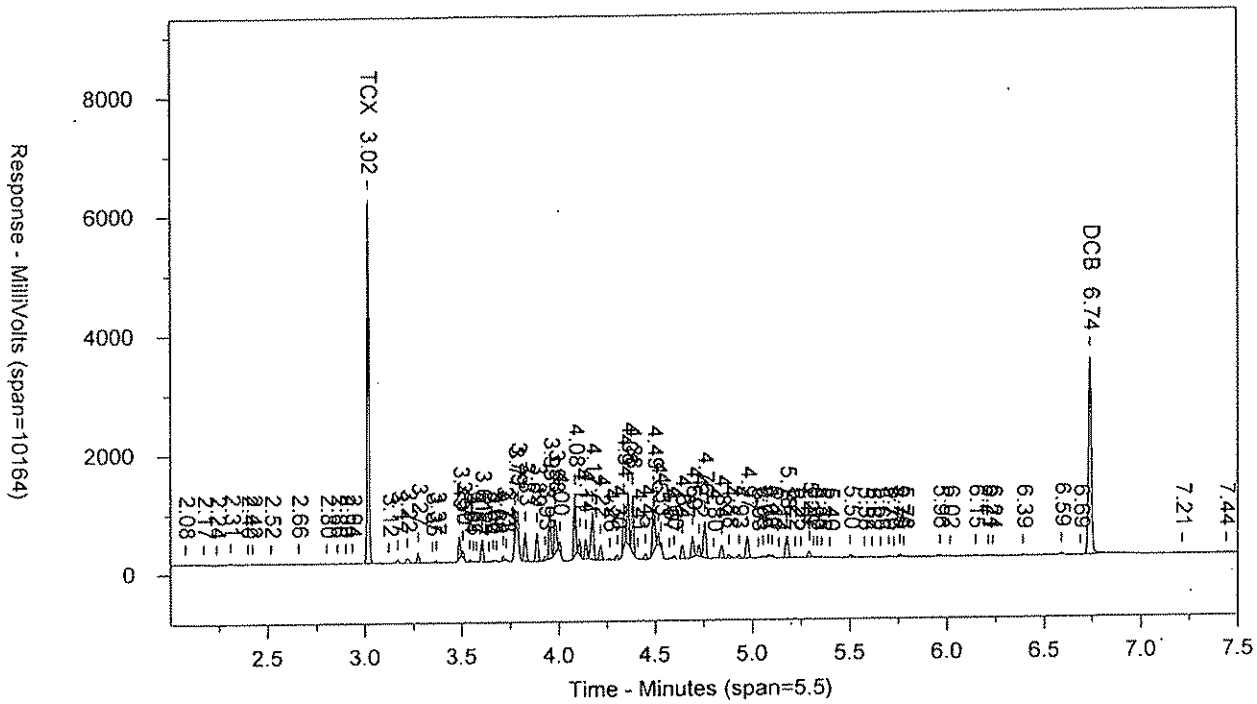

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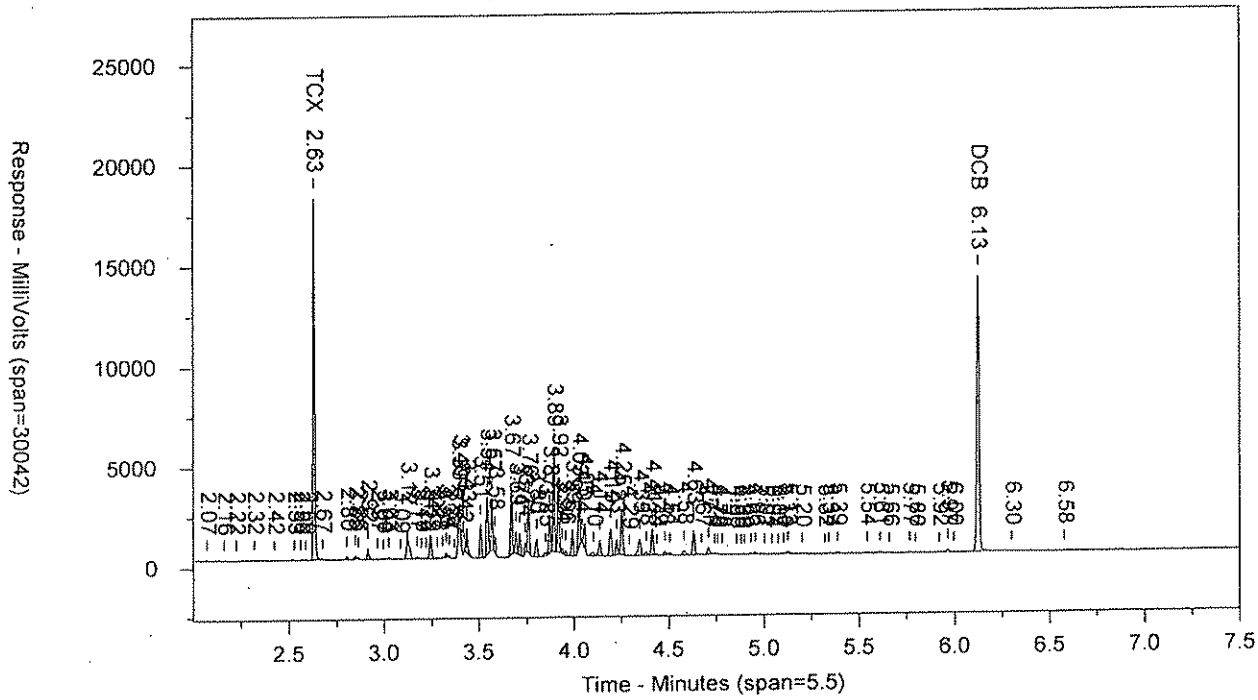

LANCASTER LABORATORIES

Sample Number: AR4851624B AAAR485AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:29:42 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0016.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.072		1714	3531
2.102		1205	3443
2.173		3013	6791
2.224		1320	3046
2.31		36745	26858
2.399		8441	5826
2.421		14790	9712
2.516		2128	2133
2.658		14198	13602
2.806		1121	1052
2.862		5465	7129
2.936		4221	4864
3.017	TCX	8223683	5328816
3.119		3385	2921
3.17		95214	82905
3.218		106071	108130
3.274		327860	237571
3.349		12607	7113
3.368		58014	38373
3.489		758615	465747
3.506		231775	119393
3.543		60288	36588
3.559		15173	6782
3.576		20041	10519
3.606		746905	544009
3.64		2832	1533
3.663		32303	19133
3.68		44792	26447
3.715		143553	86565
3.73		44300	22848
3.775		749132	379624
3.787		716385	397289
3.826		953739	778785
3.888		924874	763210
3.928		137121	97299
3.954		1794575	1244062
3.981		1132017	889223
4.004		332191	193295
4.083		1930769	1440939
4.108		506592	345966
4.139		640092	471621
4.175		1597158	1498792
4.216		515483	415580
4.246		2535	956
4.263		56012	40762
4.303		138265	130062
4.337		1452272	1009596
4.359		1871964	1195112
4.382		1945348	1400775
4.41		10403	5629
4.45		171849	165096
4.492		1818314	1536975
4.515		472064	264670
4.53		211598	110229

RT A	Compound A	Height A	Area A
4.572		28679	19784
4.596		93032	74094
4.639		463432	417076
4.692		695367	617131
4.725		394493	292962
4.756		1196152	1042679
4.802		21743	16308
4.844		429108	384142
4.881		106618	130391
4.932		105176	99528
4.975		751536	672536
5.004		4315	2584
5.031		10461	6815
5.057		54498	51214
5.084		69827	50792
5.104		56238	38869
5.135		11752	9528
5.178		740792	684047
5.219		21203	17044
5.247		22644	29876
5.294		179329	170712
5.316		10557	4733
5.333		9613	4957
5.355		29430	22711
5.398		17038	14648
5.504		74412	118175
5.579		16056	15194
5.618		6576	4876
5.66		5421	4945
5.702		38150	33545
5.728		5515	3479
5.758		67899	58517
5.78		6408	3896
5.963		49279	54215
6.017		21620	36148
6.15		26268	23463
6.175		5867	4638
6.214		23025	19290
6.236		8485	5586
6.392		29169	28023
6.519		1145	835
6.592		55503	56517
6.691		830	724
6.739	DCB	4286680	4439145
6.857		2995	2331
7.215		3892	5432

LANCASTER LABORATORIES

Sample Number: AR4851624B AAAR485AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:29:42 PM Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0016.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.003		1211	372
2.072		40069	32651
2.163		6922	9461
2.319		36254	30033
2.425		7565	6941
2.511		5481	3709
2.533		3026	2426
2.563		19839	13985
2.589		7310	6009
2.632	TCX	24174590	14539180
2.675		60115	37795
2.803		312277	219190
2.849		224242	110928
2.863		125444	59080
2.915		1028835	640031
2.965		57231	33796
3.026		174358	110842
3.121		2687851	2378716
3.173		209408	127710
3.195		82520	48162
3.22		66659	36038
3.243		2240349	1499495
3.28		145493	89577
3.308		111357	56308
3.326		474768	249673
3.342		210887	99132
3.367		4295	2091
3.392		2222486	1027559
3.401		2777112	1107505
3.422		355143	151325
3.435		2442092	1539729
3.51		3465017	2126757
3.544		5794448	3409129
3.567		5207104	2865346
3.586		1602420	808677
3.671		7284189	4450360
3.694		2188113	1147484
3.714		2279731	1305143
3.743		1019854	509137
3.76		5094619	2982806
3.802		1810559	1264678
3.85		344716	284762
3.871		3684702	2231025
3.894		9692167	6004392
3.918		6493550	3903641
3.938		459607	216761
3.956		452706	253181
3.991		2600340	1808546
4.027		4480708	3427281
4.055		2431119	1356830
4.102		342876	289933
4.136		1560107	1131884
4.193		2744571	2064938
4.226		1588146	1063588

RT B	Compound B	Height B	Area B
4.253		4371402	3095474
4.291		76298	75476
4.347		1626320	1494626
4.381		374140	272564
4.413		2486526	1815291
4.438		78212	43517
4.48		319555	213180
4.506		200592	136390
4.581		410899	417367
4.631		2551782	1945428
4.673		120293	103337
4.711		636674	557564
4.743		48420	23318
4.758		35993	17417
4.781		49282	32564
4.84		2938	3768
4.854		4712	2871
4.881		12831	7732
4.898		19987	12790
4.932		102323	75044
4.957		208192	157339
5.006		56967	55258
5.042		21795	16698
5.074		22162	19459
5.104		79198	53764
5.125		198099	166867
5.2		52847	46559
5.319		5048	3044
5.341		95398	80434
5.388		173654	181492
5.542		101577	109494
5.611		93270	85043
5.66		45117	41789
5.767		93835	81709
5.797		4205	4016
5.918		3230	3209
5.967		192420	171900
6.001		4376	3120
6.127	DCB	17870890	15975120
6.243		4412	4309
6.273		3075	1968
6.396		3611	2308
6.46		2913	3668
6.578		14941	14524
7.312		2794	3237
8.23		5475	10579

AR4851624B AAAR485AA ICAL 1625699999 10736 SW-846 8082

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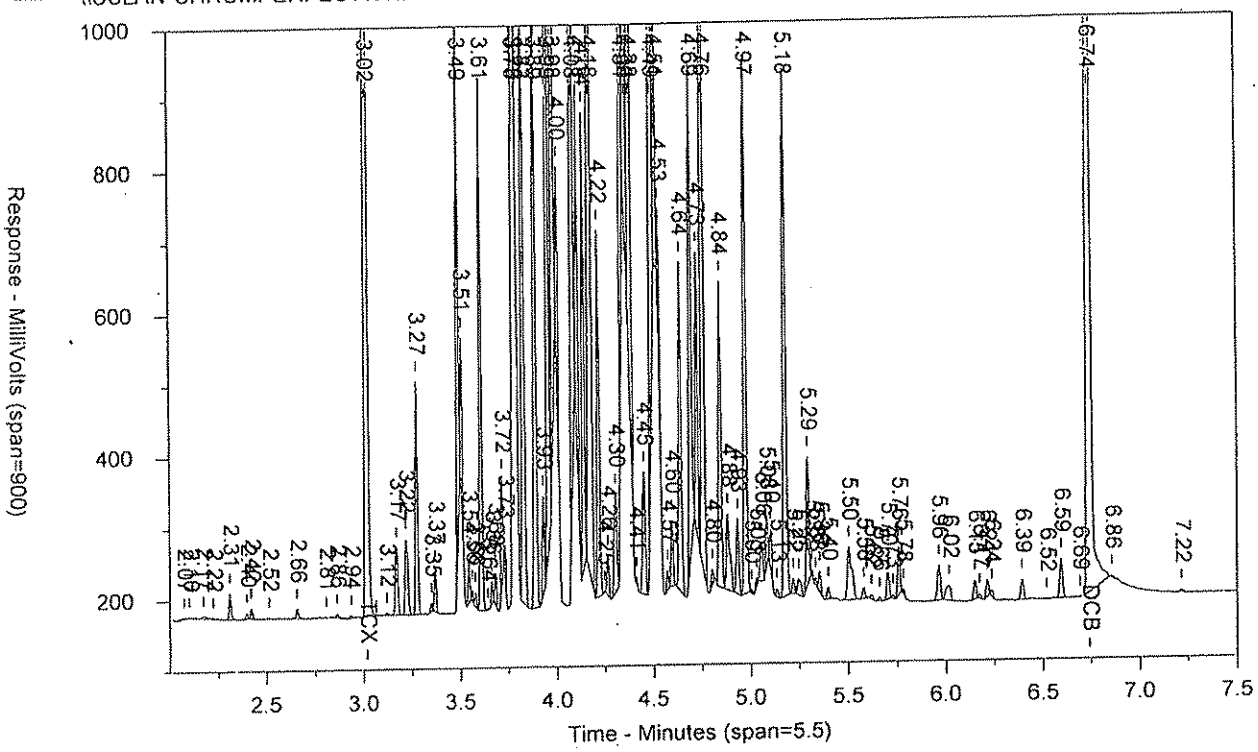

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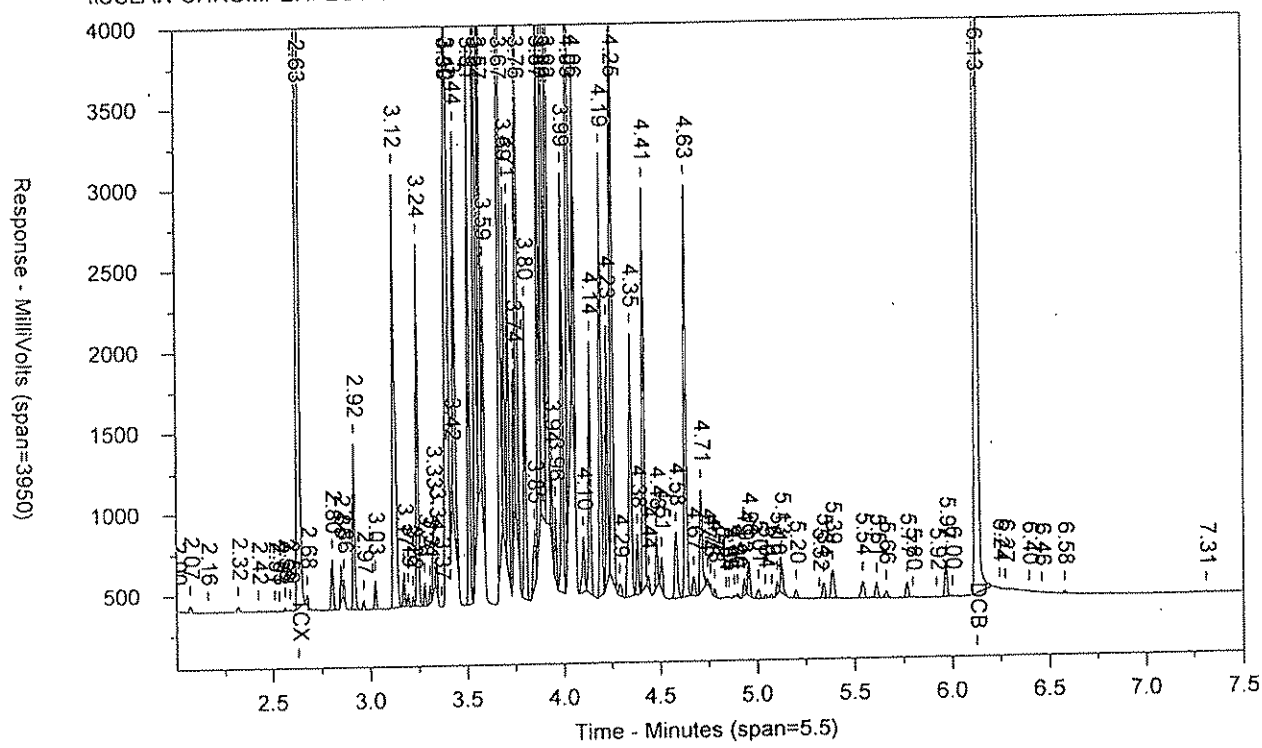

LANCASTER LABORATORIES

Sample Number: AR4851624B AAAR485AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:29:42 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	8223683	80.06	TCX	2.632	24174590	75.003	TCX
6.739	4286680	73.592	DCB	6.127	17870890	71.677	DCB

Files:
Area File: 20pcbs16257001.0016.RAW
Area File: 20pcbs16257001B.0016.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 7:38:25 PM
File Reported On: 9/13/2016 at 7:38:33 PM

AR4851624B AAAR485AA ICAL 1625699999 10736 SW-846 8082

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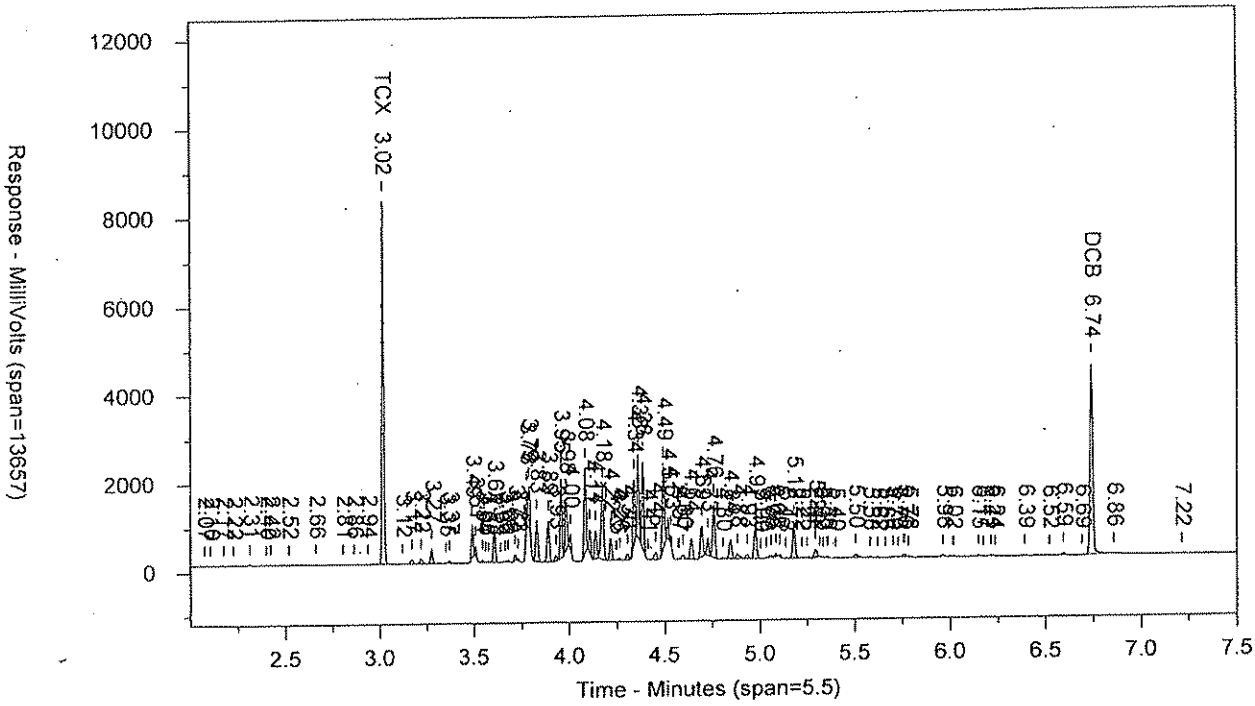

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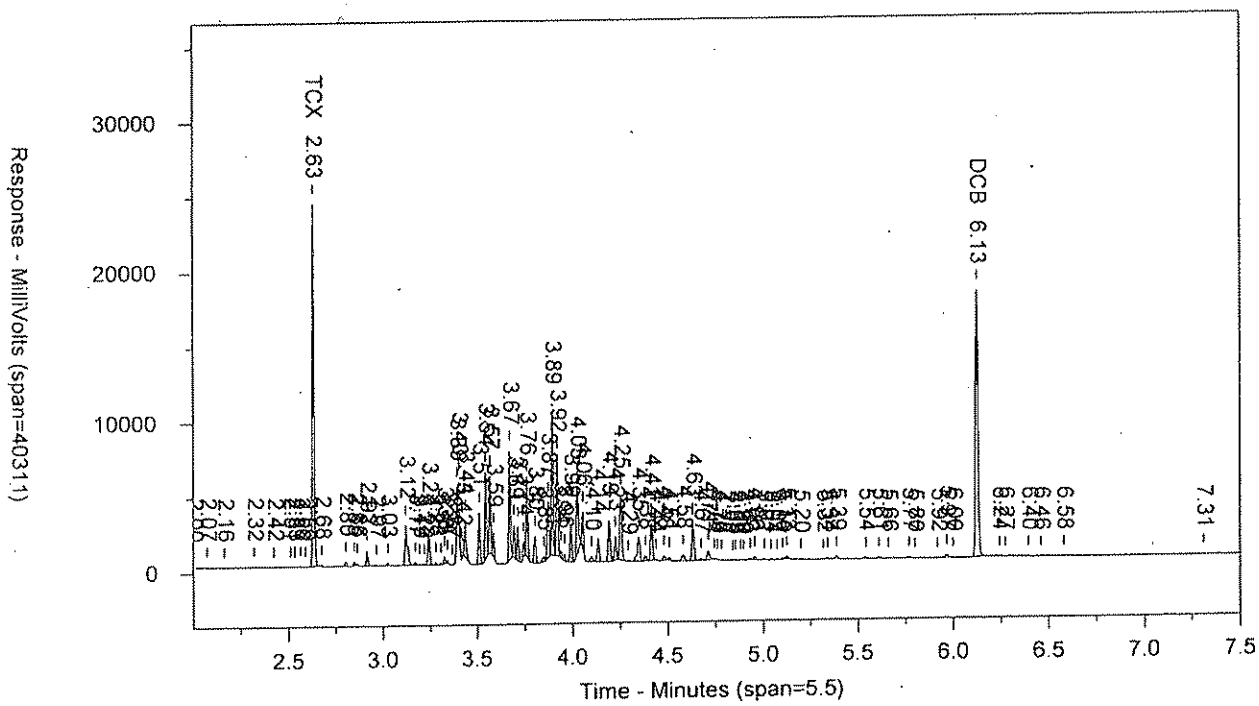

LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:41:11 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: 20pcbs16257001.0017.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.073		1596	2774
2.103		1832	4880
2.18		3575	9331
2.229		2229	3591
2.31		1971	2054
2.398		9339	6435
2.505		1078	841
2.653		1016	1409
2.829		1167	5175
2.862		4976	3871
3.017	TCX	409120	278538
3.126		1385	1043
3.217		5621	4537
3.274		3969	3117
3.347		899	676
3.49		3331	2334
3.562		1202	1259
3.604		7260	6152
3.661		1808	883
3.679		2426	1554
3.716		2997	2728
3.755		10395	7216
3.775		2229	969
3.827		10582	9037
3.887		3547	3069
3.93		809	509
3.954		98142	72867
3.981		25526	19502
4.083		57789	44329
4.109		3499	2222
4.139		5587	3915
4.175		24393	21801
4.217		4457	3696
4.263		1568	1438
4.299		4291	4067
4.338		131809	99519
4.358		53499	33742
4.384		39877	29769
4.411		22885	17761
4.451		39416	33726
4.494		206553	201242
4.53		77246	63026
4.572		2701	1943
4.596		13252	10868
4.639		70864	63807
4.692		125216	115622
4.725		31510	21419
4.755		237378	214889
4.802		13078	9158
4.843		39261	32285
4.88		81354	86826
4.933		15178	12619
4.975		154539	153291
5.004		2213	1163

RT A	Compound A	Height A	Area A
5.031		15475	11916
5.051		4458	3515
5.084		67190	52108
5.103		37551	26380
5.135		2023	1356
5.178		124001	120020
5.22		15799	12666
5.245		15768	22199
5.294		149117	144021
5.316		10128	4840
5.355		4192	2716
5.399		6833	8390
5.505		61236	77674
5.579		7928	7129
5.621		6880	7903
5.703		33952	29538
5.728		4286	2843
5.758		26859	25237
5.875		6207	5937
5.934		2491	2928
5.965		23182	20915
5.998		3691	3879
6.044		1613	1569
6.151		1863	1896
6.211		5843	6165
6.318		5681	19033
6.395		2737	9380
6.451		1149	877
6.475		2017	2437
6.59		3077	2999
6.633		6860	6631
6.739	DCB	264851	279675
6.981		1309	1480

LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:41:11 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: 20pcbs16257001B.0017.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.127		2003	1472
2.173		4141	6257
2.224		3026	3115
2.387		1415	1626
2.425		3923	2572
2.47		2377	2285
2.511		3537	4740
2.563		24999	24928
2.632	TCX	1241378	763421
2.72		4165	3499
2.849		17082	11779
2.916		12389	10988
2.964		3916	3467
3.122		6299	2960
3.173		3328	3858
3.197		8834	8573
3.244		12977	9426
3.283		10292	10141
3.308		6727	2841
3.342		56759	37203
3.371		2445	1074
3.392		23409	26743
3.436		34292	38294
3.465		6768	4098
3.51		13128	8737
3.543		292772	181066
3.567		92657	53768
3.67		168004	106339
3.694		17599	9880
3.714		22169	16753
3.744		9068	4407
3.76		69772	42216
3.802		17493	14607
3.841		15066	13499
3.871		60227	33927
3.893		676369	438445
3.918		73406	42191
3.938		44012	23545
3.956		115560	70524
3.991		589838	403043
4.023		227384	142406
4.041		132865	74320
4.09		93538	102925
4.136		220767	159026
4.193		471087	336303
4.227		130534	96349
4.253		802762	589868
4.291		60870	57847
4.345		385466	328839
4.381		57518	42864
4.414		492410	354183
4.438		85600	55590
4.48		301465	233772
4.507		21558	14841

RT B	Compound B	Height B	Area B
4.581		283961	299805
4.633		331210	267051
4.673		93638	78594
4.711		577040	561106
4.758		42443	28488
4.853		9275	25623
4.899		28315	26345
4.932		29299	20394
4.956		174009	141681
5.007		22854	18936
5.041		19575	15452
5.071		16334	14298
5.105		80270	58964
5.126		64839	54683
5.2		5005	6832
5.361		15270	10096
5.382		44048	35776
5.487		7042	8373
5.542		7655	7023
5.589		4621	3034
5.611		12477	13573
5.659		10663	15386
5.742		1430	14659
5.766		4779	4001
5.965		14054	20402
6.125	DCB	1015962	961321
6.213		3454	5558
6.518		2089	13364
6.577		1107	936
6.709		916	2054
6.802		2159	2289
7.462		1375	6443
8.23		4911	7219

AR5411624A AAAR541AA ICAL 1625699999 10736 SW-846 8082

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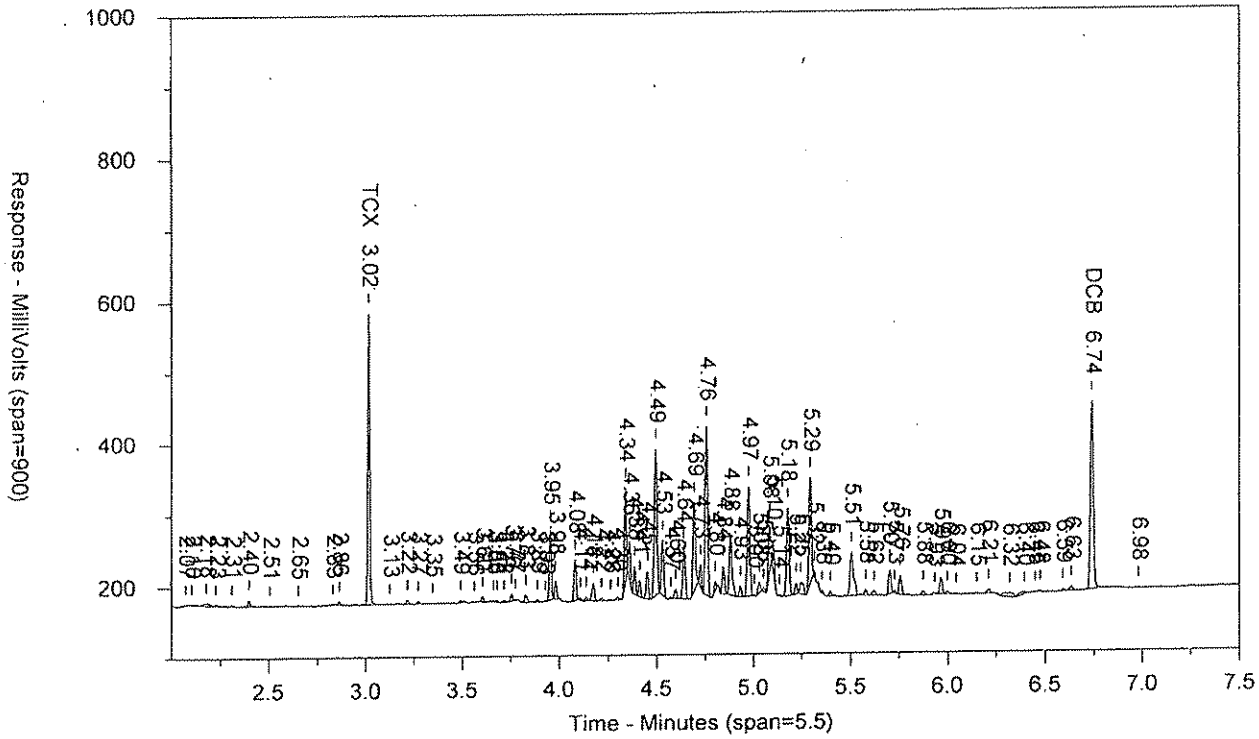

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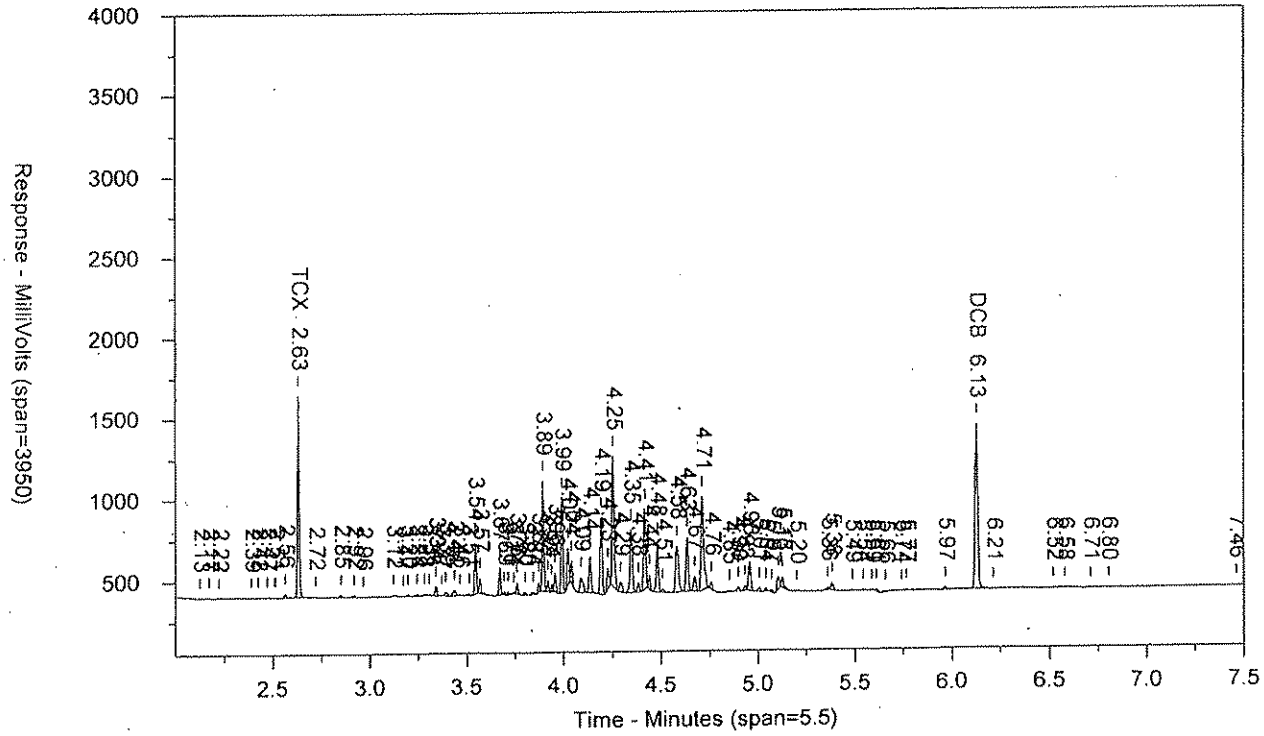

LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:41:11 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
3.017	409120	3.983	TCX	2.632	1241378	3.851	TCX
6.739	264851	4.547	DCB	6.125	1015962	4.075	DCB

Files:
Area File: 20pcbs16257001.0017.RAW
Area File: 20pcbs16257001B.0017.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 7:49:55 PM
File Reported On: 9/13/2016 at 7:50:05 PM

AR5411624A AAAR541AA ICAL 1625699999 10736 SW-846 8082

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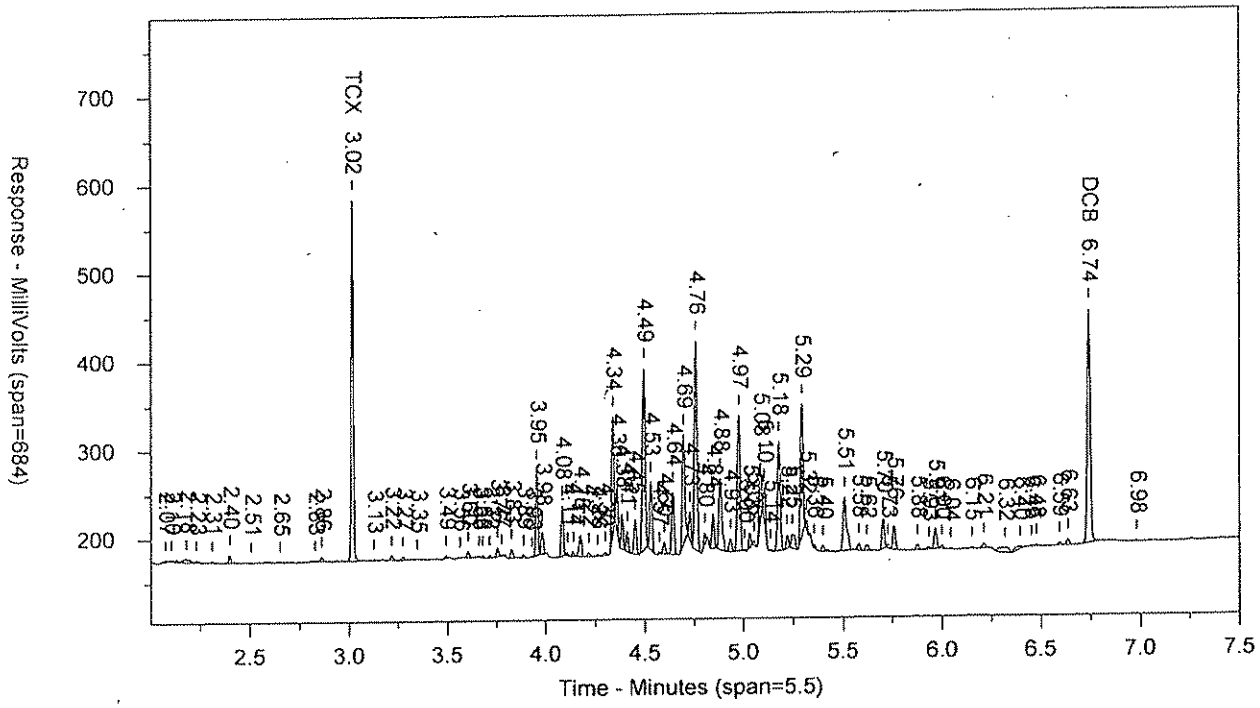

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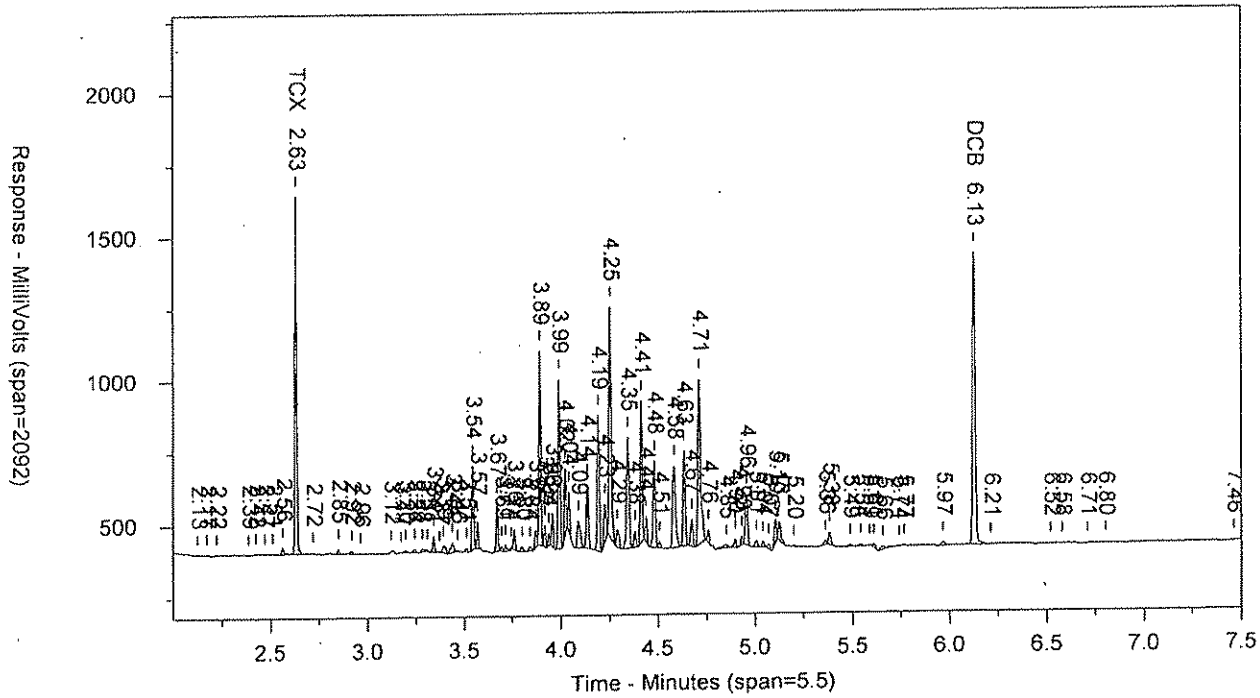

LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:52:40 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0018.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.076		1713	2857
2.098		1590	1515
2.183		3990	10725
2.229		3070	5646
2.31		3990	3532
2.398		9663	6539
2.421		1647	860
2.504		1454	1317
2.659		959	2608
2.795		821	420
2.82		939	899
2.862		3220	2543
3.017	TCX	819633	559149
3.17		2688	2479
3.217		11805	9196
3.274		7164	7106
3.352		2212	1732
3.489		6179	3589
3.506		2430	2038
3.562		1347	1444
3.604		11610	9158
3.643		841	762
3.662		4107	2128
3.679		4222	2421
3.715		4080	3861
3.755		5659	3808
3.775		4962	2518
3.788		4201	2838
3.827		20718	16807
3.888		6981	5935
3.927		1100	662
3.954		185279	139206
3.981		50262	37908
4.082		113206	87661
4.108		7435	4702
4.139		11919	8519
4.175		49598	43875
4.217		9906	7736
4.261		2603	2771
4.298		8670	7795
4.337		256161	195923
4.358		104241	65403
4.384		79111	59899
4.41		20553	15631
4.451		81070	67710
4.494		396457	392099
4.53		142179	120365
4.572		6172	4172
4.596		26781	21743
4.64		136524	124906
4.692		245098	226551
4.725		60795	42937
4.756		485478	428642
4.802		26214	18632

RT A	Compound A	Height A	Area A
4.816		11986	6503
4.842		74144	63362
4.88		154609	167566
4.932		32668	29121
4.974		314173	306253
5.004		5844	3208
5.03		33354	27050
5.056		6577	4379
5.084		127217	100070
5.103		70580	49783
5.135		4677	3596
5.177		245826	239977
5.22		33483	26261
5.246		31998	44661
5.293		319839	293799
5.315		15279	7792
5.333		13474	7414
5.355		9750	5760
5.398		14613	19936
5.504		119704	158775
5.578		15990	14351
5.617		13143	12411
5.658		2164	1904
5.702		71380	62725
5.728		10719	6858
5.758		52420	47875
5.93		748	667
5.965		46865	44832
5.997		8196	7613
6.148		3338	4198
6.212		4512	4410
6.389		8036	29780
6.476		1482	5975
6.592		4889	5231
6.737	DCB	497878	548525
7.613		589	805
7.838		561	388

LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:52:40 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0018.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.015		3087	4853
2.071		5815	5875
2.223		4568	5413
2.292		2048	2595
2.322		2587	2985
2.425		5129	3285
2.48		2697	1901
2.513		3835	5669
2.563		16041	12813
2.632	TCX	2542151	1560814
2.721		3337	3254
2.803		8847	7802
2.849		34078	18033
2.916		21510	15092
2.965		7190	4481
3.025		2236	1181
3.122		13850	6870
3.173		4006	3599
3.195		14458	12298
3.244		24215	15993
3.282		15482	12348
3.308		13153	6296
3.327		4146	1691
3.341		35196	20559
3.392		17109	8029
3.436		56169	58395
3.465		6436	3898
3.509		24673	15578
3.544		562445	355131
3.567		167347	99806
3.585		18408	8919
3.67		366564	222588
3.693		32123	17230
3.714		41666	28775
3.744		17654	8226
3.76		141583	83623
3.801		34592	28340
3.841		27984	23950
3.871		118135	68077
3.893		1370017	880427
3.918		141827	79001
3.937		120725	64516
3.956		220929	136348
3.991		1149889	803958
4.023		452556	283693
4.041		278088	147860
4.091		27563	17631
4.1		31781	16876
4.136		444885	324952
4.192		946084	690120
4.226		260852	187550
4.253		1645669	1215509
4.291		120321	115663
4.345		778261	660640

RT B	Compound B	Height B	Area B
4.381		118396	87967
4.413		1028656	730456
4.437		166742	110398
4.48		618993	492605
4.506		34625	20959
4.58		581595	588211
4.632		715398	571289
4.672		186156	156043
4.71		1177650	1139017
4.758		86628	53617
4.781		35357	22065
4.841		13736	16217
4.898		59855	55483
4.932		59281	41564
4.955		356132	289071
5.007		49015	41235
5.042		39505	31048
5.072		20982	17604
5.103		165545	122300
5.125		120351	78714
5.143		17815	8555
5.198		6358	8563
5.341		6962	5776
5.383		158824	156574
5.542		10426	9699
5.587		8450	6613
5.608		41881	41751
5.766		25171	417161
5.966		19634	16675
6.125	DCB	2045108	1846136
6.575		2869	3036
7.054		1138	1612
8.229		5882	10734

AR5421624B AAAR542AA ICAL 1625699999 10736 SW-846 8082

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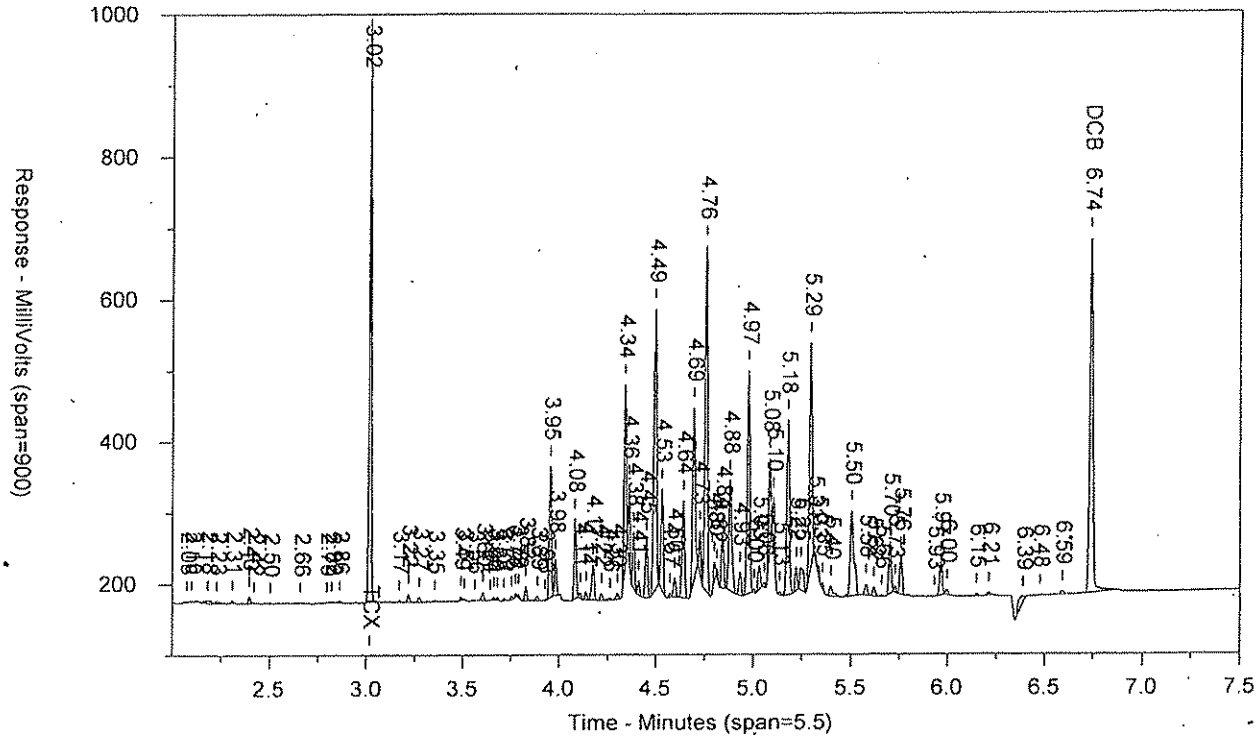

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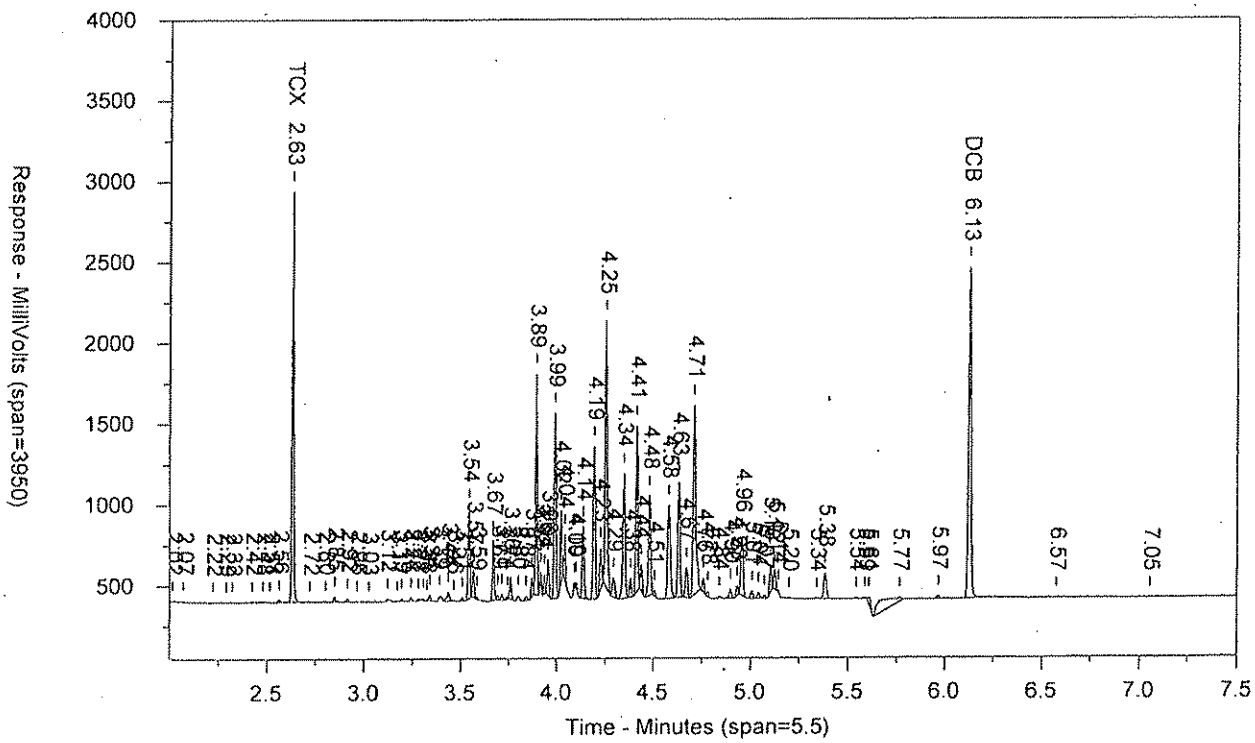

LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 7:52:40 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	819633	7.979	TCX	2.632	2542151	7.887	TCX
6.737	497878	8.547	DCB	6.125	2045108	8.203	DCB

Files:
Area File: 20pcbs16257001.0018.RAW
Area File: 20pcbs16257001B.0018.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 8:01:24 PM
File Reported On: 9/13/2016 at 8:01:29 PM

AR5421624B AAAR542AA ICAL 1625699999 10736 SW-846 8082

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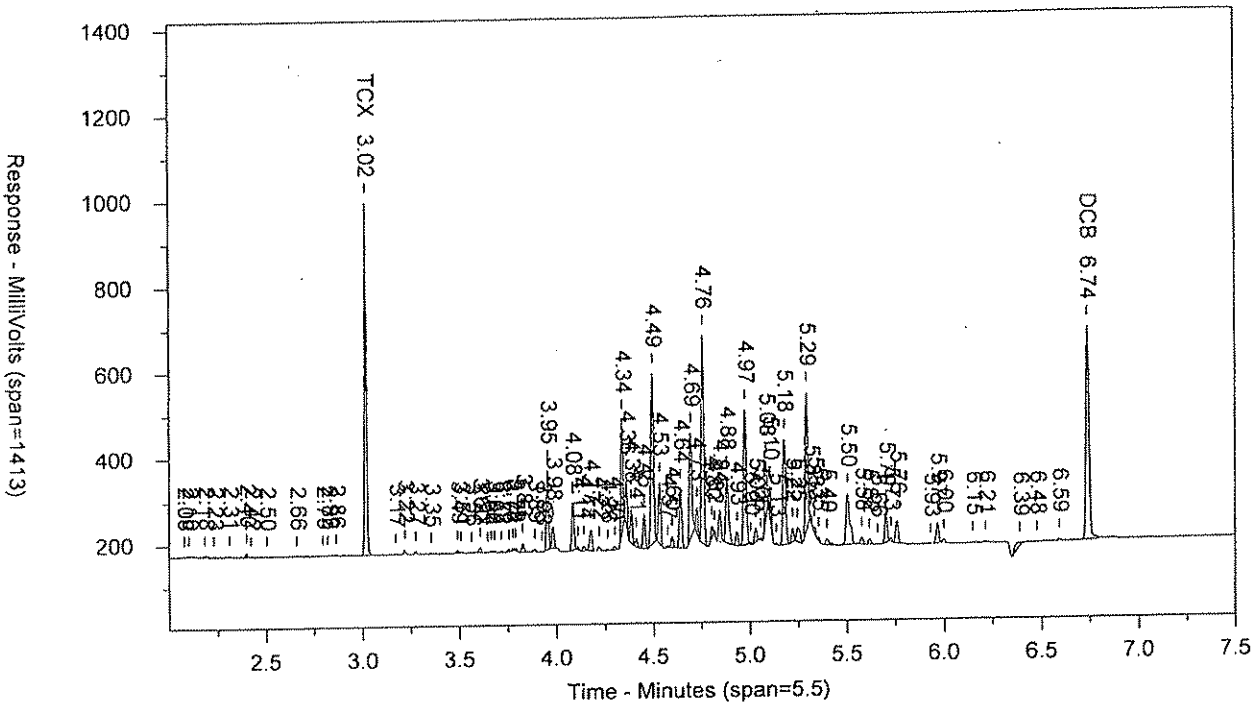

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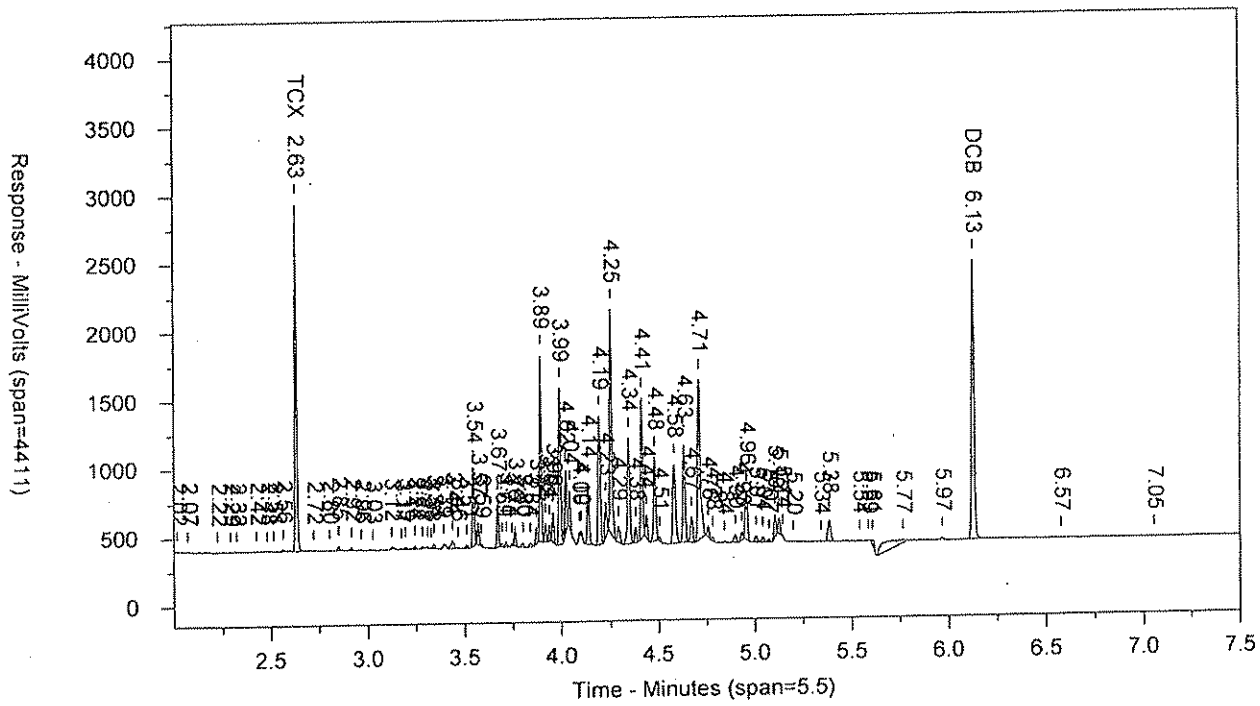

LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:04:13 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: 20pcbs16257001.0019.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.076		1215	2162
2.228		1673	2906
2.311		9098	6634
2.398		7358	4918
2.421		3293	2134
2.658		1647	1288
2.861		2253	1583
2.934		4255	10728
3.017	TCX	2025461	1321334
3.103		1429	909
3.122		897	645
3.17		5396	4876
3.217		27067	20847
3.274		16405	11936
3.349		4289	2508
3.369		1134	841
3.489		13779	8366
3.507		6631	4701
3.56		3596	3221
3.606		20909	15577
3.663		9827	5409
3.68		9110	5183
3.716		5964	3503
3.731		2127	976
3.756		986	688
3.776		12290	6463
3.789		9575	6716
3.828		45352	37125
3.889		15182	12549
3.928		2807	1780
3.955		378493	287379
3.982		102782	77462
4.005		9763	4895
4.084		235073	180272
4.109		16334	10402
4.14		27712	19735
4.176		102290	94550
4.217		22487	17656
4.262		6105	6943
4.3		19022	16536
4.338		581583	417154
4.359		226757	138109
4.385		168924	128725
4.411		18243	12513
4.451		162250	142957
4.495		855209	832490
4.531		294029	246816
4.573		12730	9246
4.597		56029	46134
4.64		274827	256929
4.693		550929	483634
4.726		122466	84970
4.757		1050269	932321
4.802		50866	38874

RT A	Compound A	Height A	Area A
4.817		23067	12345
4.843		143276	125747
4.881		323737	338066
4.933		64301	58025
4.975		689238	645812
5.005		11436	6836
5.031		71819	59914
5.058		14297	9037
5.085		290465	218529
5.104		166454	107446
5.136		10081	7613
5.179		553440	518710
5.221		67751	53908
5.247		66208	91809
5.294		572022	535151
5.317		38534	18934
5.334		27783	15511
5.355		17851	12421
5.399		27105	22773
5.42		3746	2457
5.506		242409	325201
5.553		1598	992
5.579		33290	30105
5.62		28737	29431
5.661		4389	3778
5.703		137347	128591
5.728		19663	13755
5.759		110924	101493
5.794		2593	2551
5.929		6045	7149
5.967		92617	92707
5.997		16994	16122
6.15		7886	9852
6.213		14748	15847
6.393		6340	7396
6.476		6758	9310
6.594		11919	12097
6.739	DCB	1061534	1136352
6.971		2874	4384
7.214		857	876
7.252		2142	3008
7.563		2357	4472
7.904		4813	11247
8.345		1017	1984

LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:04:13 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: 20pcbs16257001B.0019.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		12138	11233
2.229		2307	4026
2.255		1726	1795
2.32		3675	2820
2.425		2450	1766
2.534		8814	6997
2.562		11798	10022
2.631	TCX	6091625	3655874
2.72		7923	5735
2.804		20448	14978
2.849		75287	40538
2.916		48724	32034
2.965		15402	8536
3.027		4157	2752
3.122		47150	51022
3.174		6890	6125
3.196		13686	8621
3.244		51067	35393
3.281		33497	22124
3.308		35747	18679
3.327		12279	5603
3.342		13975	7650
3.392		37276	17448
3.401		32901	13163
3.423		10572	5946
3.436		97495	79024
3.51		52042	34916
3.544		1223583	757591
3.567		356213	208782
3.586		42377	19187
3.67		635743	404858
3.694		66255	35103
3.715		87075	59404
3.744		37321	17693
3.761		288902	176397
3.802		74244	59284
3.842		59019	48724
3.872		253595	144856
3.894		2954610	1917548
3.919		306777	170213
3.939		187156	102645
3.956		489456	293405
3.992		2517065	1734543
4.024		981527	605238
4.042		584677	310908
4.102		197760	200972
4.137		945717	691853
4.193		2050330	1422512
4.227		537338	383668
4.254		3661047	2677192
4.292		251947	241195
4.345		1665175	1403331
4.382		241422	184130
4.414		2210430	1589466

RT B	Compound B	Height B	Area B
4.438		347866	228624
4.48		1130978	874900
4.507		75689	47897
4.582		1248178	1243569
4.633		1647909	1268625
4.673		404545	338245
4.712		2653226	2505152
4.759		185448	122106
4.782		42977	25437
4.807		2478	1759
4.842		28920	33322
4.899		124594	116032
4.933		123491	84544
4.957		766416	618961
5.007		97773	84519
5.044		83458	66435
5.072		49752	37870
5.105		344681	247717
5.126		274399	229257
5.2		13337	15633
5.318		1547	631
5.342		13518	11018
5.385		247017	247795
5.544		26339	25759
5.588		16472	12395
5.612		17624	13594
5.656		15458	13537
5.707		8732	26087
5.767		19388	16207
5.968		48518	50543
6.127	DCB	4537077	4081723
6.221		5785	8314
6.297		2969	3791
6.467		8123	24374
6.578		4029	4463
6.692		4975	10767
6.807		4621	4635
6.983		1302	15260
7.222		1995	9451
7.415		3537	4266
8.233		4685	7783

AR5431624A AAAR543AA ICAL 1625699999 10736 SW-846 8082

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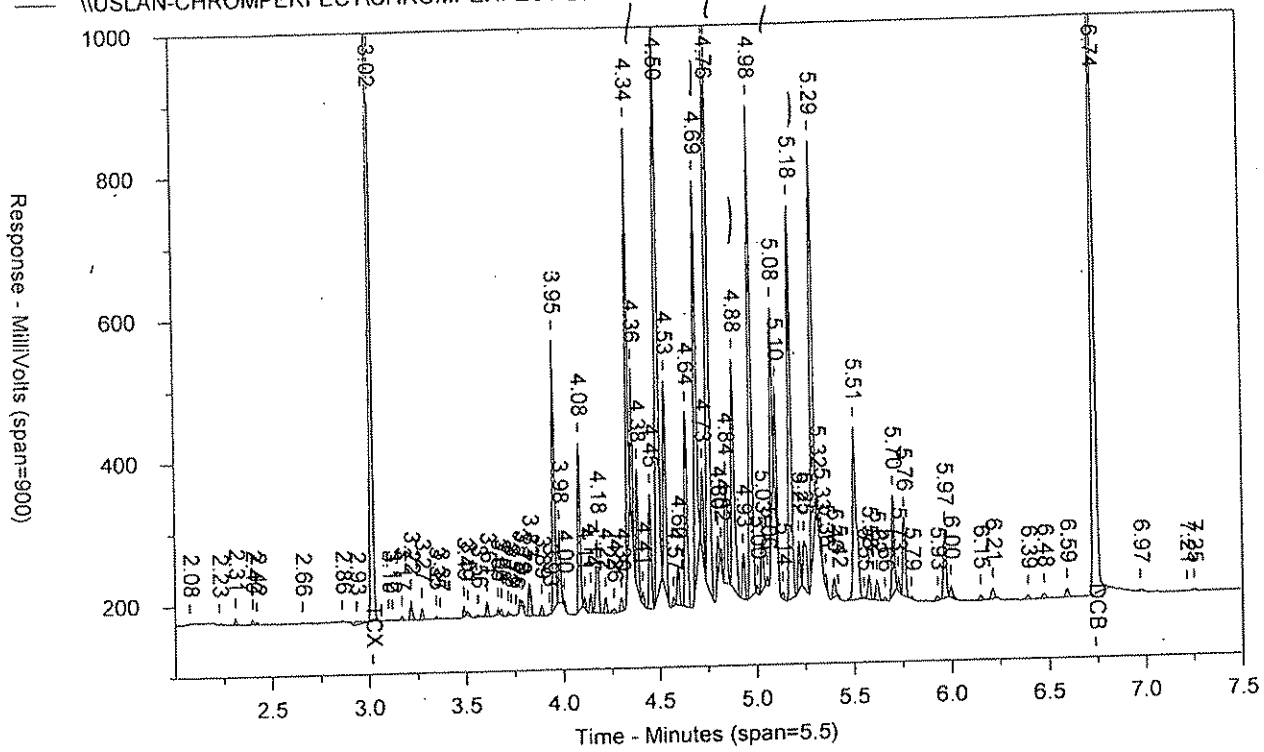

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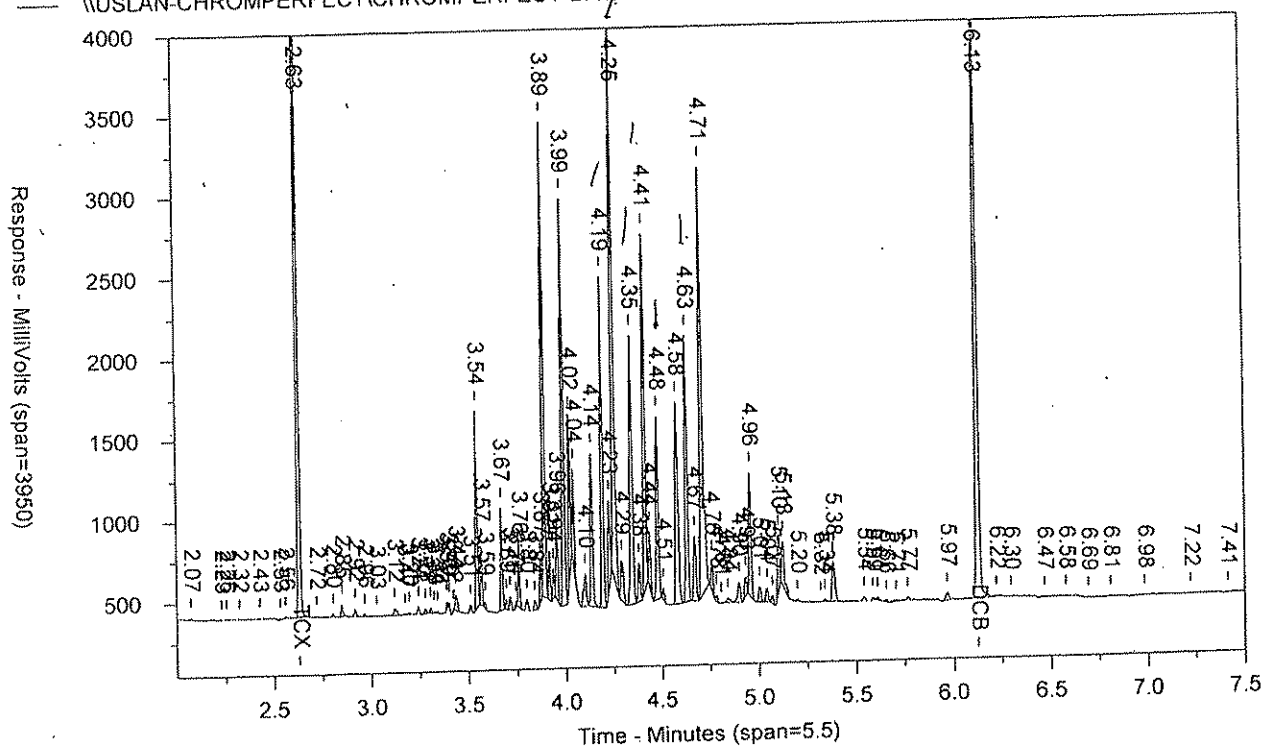

LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:04:13 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
3.017	2025461	19.719	TCX	2.631	6091625	18.9	TCX
6.739	1061534	18.224	DCB	6.127	4537077	18.197	DCB

Files:
Area File: 20pcbs16257001.0019.RAW
Area File: 20pcbs16257001B.0019.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 8:12:56 PM
File Reported On: 9/13/2016 at 8:13:03 PM

AR5431624A AAAR543AA ICAL 1625699999 10736 SW-846 8082

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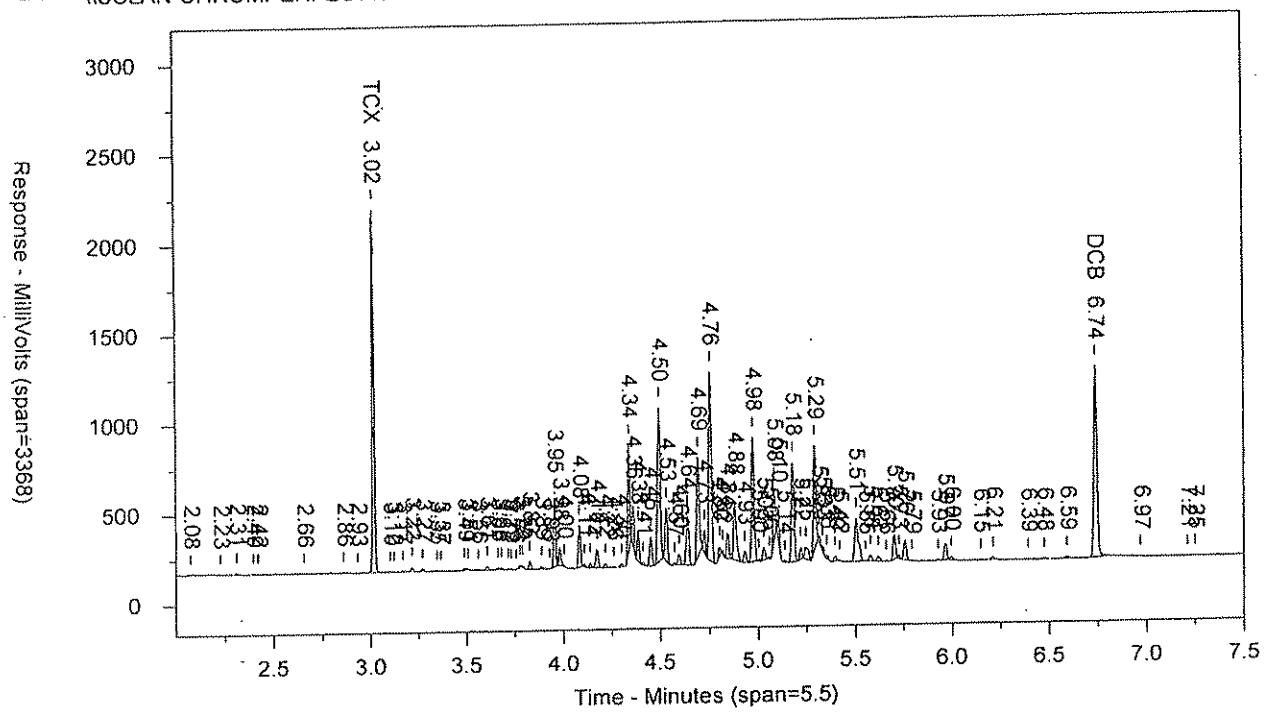

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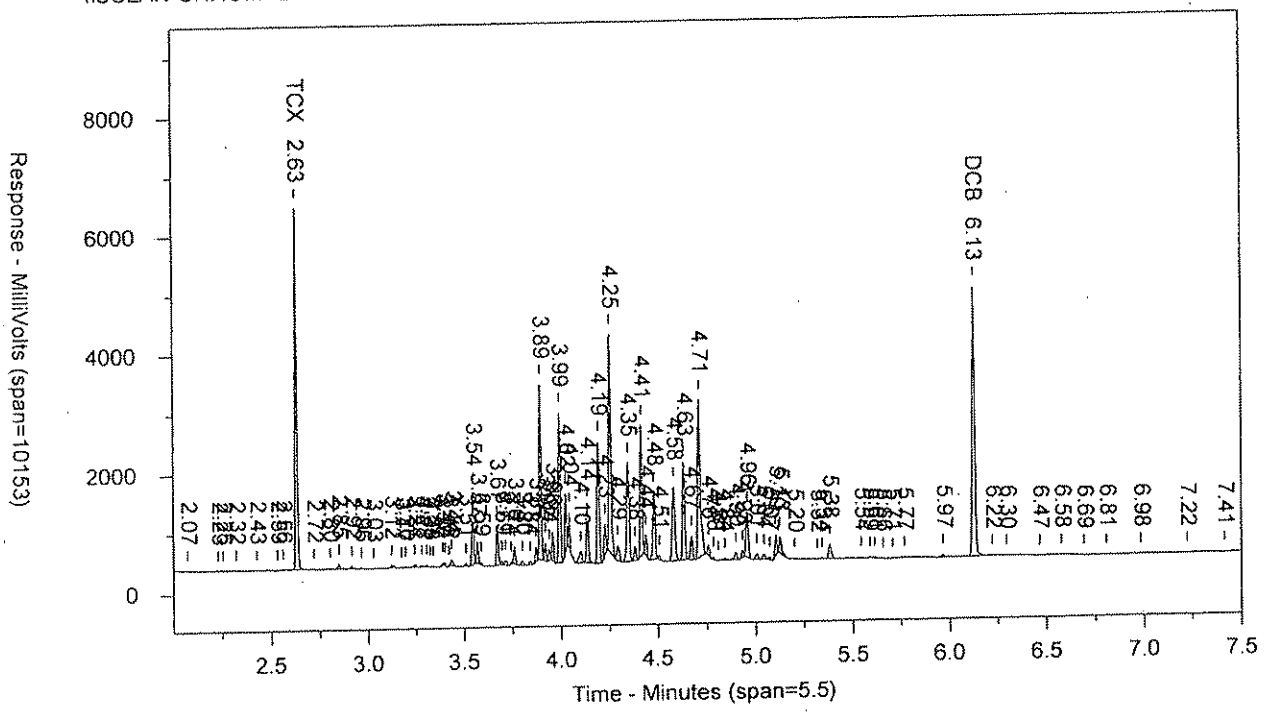

LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:15:43 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0020.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.074		1704	2730
2.099		1486	3554
2.179		3534	9620
2.229		1566	1140
2.311		20363	14824
2.398		7929	5257
2.422		7485	5079
2.516		1362	1645
2.569		602	563
2.639		798	522
2.659		2685	1954
2.821		1257	1284
2.861		4762	3690
2.94		1146	2053
3.017	TCX	4304367	2863165
3.123		2094	2414
3.17		12156	10213
3.217		54954	42113
3.274		33667	24127
3.349		8802	5432
3.368		1868	1169
3.489		27349	16485
3.506		13524	10714
3.543		1907	936
3.559		6091	3925
3.605		39090	29928
3.662		21182	11589
3.679		19881	11384
3.715		10214	5809
3.755		7700	4512
3.775		23820	12945
3.788		18183	13676
3.827		91644	76695
3.887		31786	25619
3.929		3893	2445
3.954		767897	559643
3.981		186059	143033
4.004		18512	8843
4.082		454711	351864
4.108		33346	21518
4.138		55476	41074
4.174		199461	185506
4.217		45428	35902
4.262		14472	14234
4.299		39045	34663
4.337		1172616	844423
4.358		433471	267335
4.384		305991	244108
4.41		16108	9852
4.45		323437	276155
4.494		1784076	1705312
4.53		594262	482389
4.572		25449	17510
4.596		103948	85260

RT A	Compound A	Height A	Area A
4.639		556589	500250
4.692		1110208	1000892
4.725		262037	173510
4.755		2195895	1937768
4.801		92744	72733
4.816		47055	24982
4.842		302256	249511
4.88		655185	668811
4.932		133881	119528
4.974		1399083	1330170
5.004		20975	12860
5.03		141984	117864
5.057		24140	15030
5.083		572624	420701
5.102		308223	210937
5.134		18822	14924
5.176		1205708	1071741
5.219		126148	102476
5.245		117399	171032
5.293		1391451	1237331
5.314		81831	40401
5.332		55197	30251
5.354		34344	22171
5.398		53349	45132
5.419		9006	5230
5.475		3530	2217
5.504		498651	622909
5.552		4194	2443
5.577		62873	58023
5.617		53144	50696
5.658		10286	8785
5.701		282842	257151
5.727		42281	28260
5.757		210288	194582
5.794		5470	4306
5.84		1412	2630
5.965		192424	181797
5.995		35337	33203
6.149		15247	17707
6.211		20472	18322
6.236		4339	2966
6.39		17816	36373
6.59		24035	24094
6.737	DCB	2235246	2497243
7.213		2126	2921
7.317		756	554
8.382		886	1849

LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:15:43 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0020.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.02		2272	3121
2.072		22396	18711
2.164		4730	9613
2.222		3872	5845
2.321		7253	6216
2.424		3953	2770
2.512		3451	2283
2.533		2911	1972
2.563		24598	21354
2.632	TCX	13017460	7835976
2.804		40499	30972
2.849		147069	80687
2.895		1470	1111
2.916		97483	62159
2.966		30977	18885
3.027		8093	5203
3.122		61342	30165
3.134		22506	11582
3.174		12338	7512
3.195		27702	16772
3.219		3604	1924
3.245		106384	71755
3.281		69292	42997
3.308		72112	37762
3.327		21743	9638
3.342		54860	30577
3.371		1649	902
3.392		143399	154910
3.422		28406	13093
3.437		196069	158498
3.51		104760	67660
3.544		2489469	1512756
3.567		732284	411859
3.585		86081	39283
3.67		1519177	933445
3.694		125819	68482
3.715		172880	119306
3.744		82587	40995
3.76		587311	351858
3.801		148627	120621
3.841		120771	102905
3.871		508458	291834
3.893		6117085	3964121
3.918		579153	327142
3.938		466875	253178
3.956		940237	570027
3.991		5312297	3551827
4.023		2026022	1229623
4.041		1196615	639894
4.102		384052	329407
4.136		1926690	1397156
4.192		4408925	3146458
4.226		1128014	805870
4.253		7487223	5626636

RT B	Compound B	Height B	Area B
4.292		506924	477083
4.345		3434152	2872826
4.382		484315	368299
4.413		4648805	3337880
4.437		708234	450604
4.48		2852129	2098845
4.506		155299	89993
4.58		2699654	2526296
4.633		3530933	2691554
4.673		815345	677609
4.711		5696106	5256774
4.758		354906	231014
4.781		144206	93676
4.841		61406	66079
4.897		262787	229262
4.933		236014	165066
4.956		1585289	1269816
5.006		196079	166918
5.042		157529	131324
5.071		92885	76899
5.103		774602	555534
5.125		506772	344312
5.142		63963	32270
5.166		13450	8214
5.198		27726	26988
5.317		1697	929
5.341		27114	21988
5.384		644696	659718
5.542		48990	43829
5.586		37217	27412
5.609		52519	45809
5.659		41372	50232
5.701		1699	3361
5.765		39600	33492
5.965		87508	77637
5.997		3475	3556
6.09		1348	824
6.125	DCB	9462107	8538139
6.457		2000	2095
6.576		8722	9272
7.31		2079	1772
7.804		1163	1560
8.23		5101	9305

AR5441624A AAAR544AA ICAL 1625699999 10736 SW-846 8082

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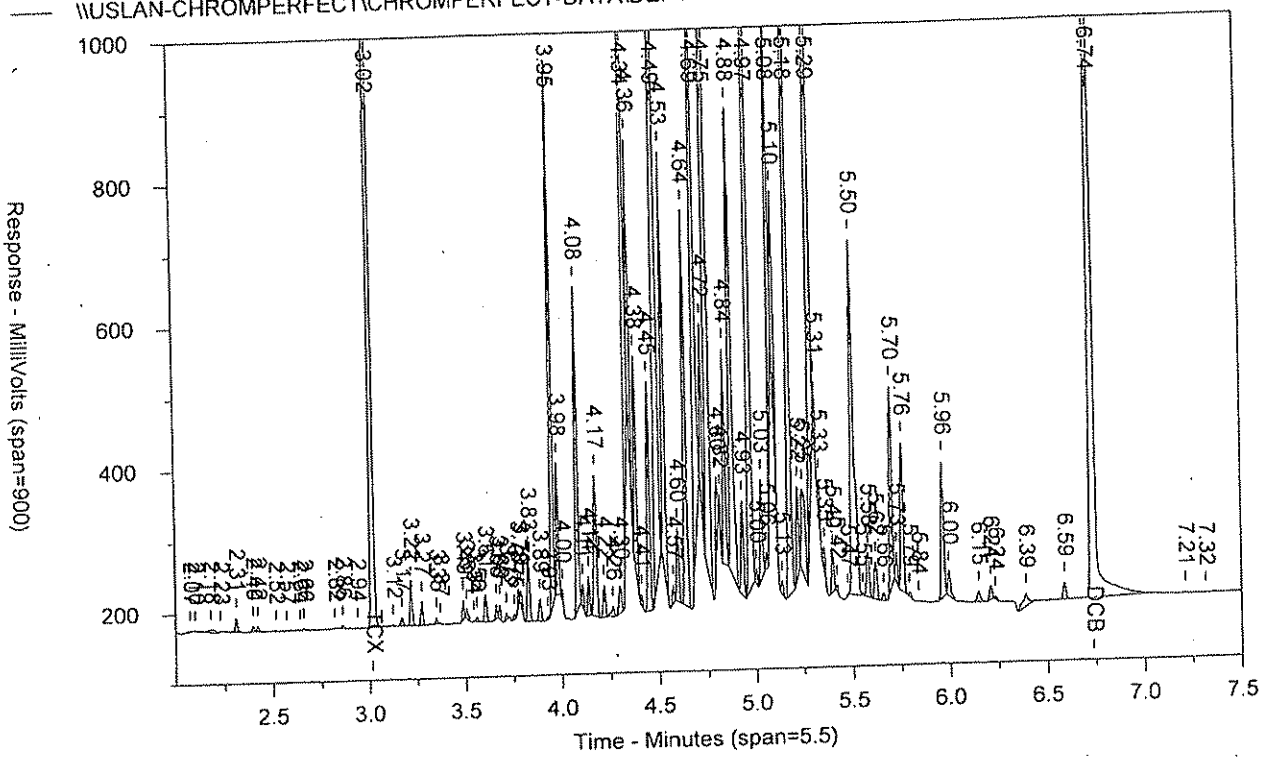

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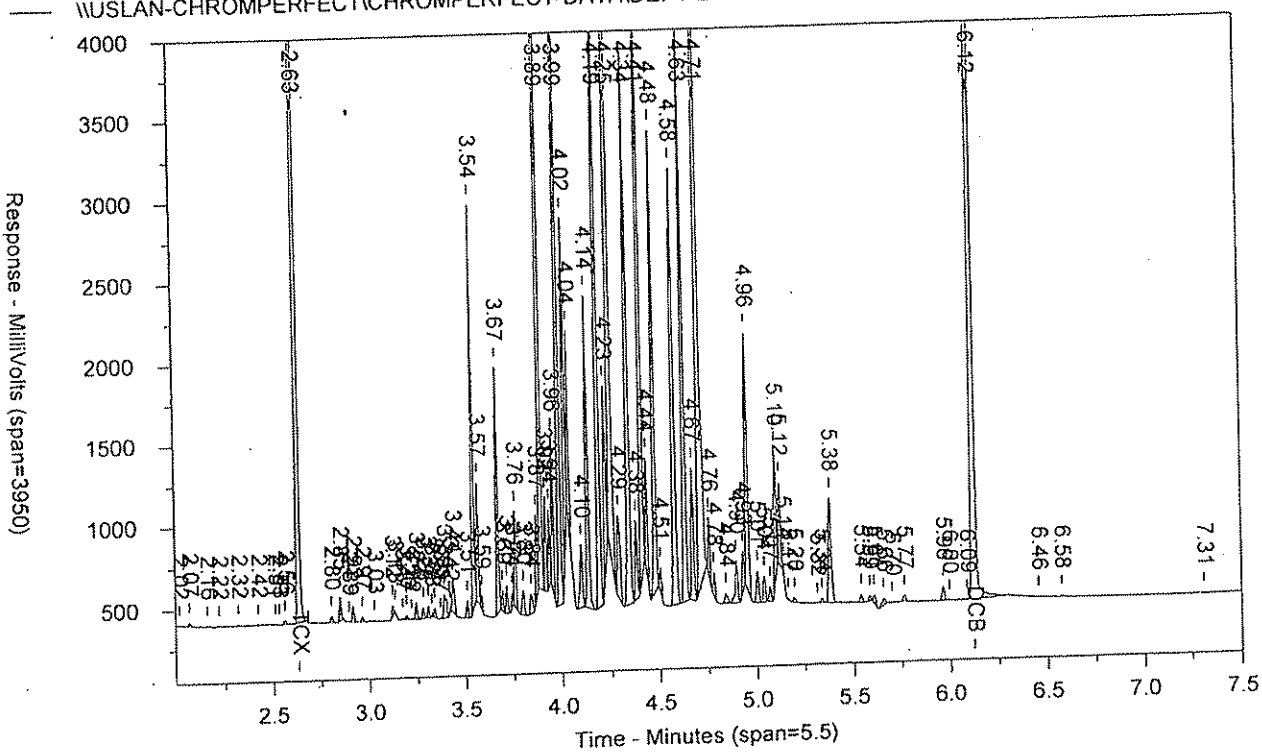


LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:15:43 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

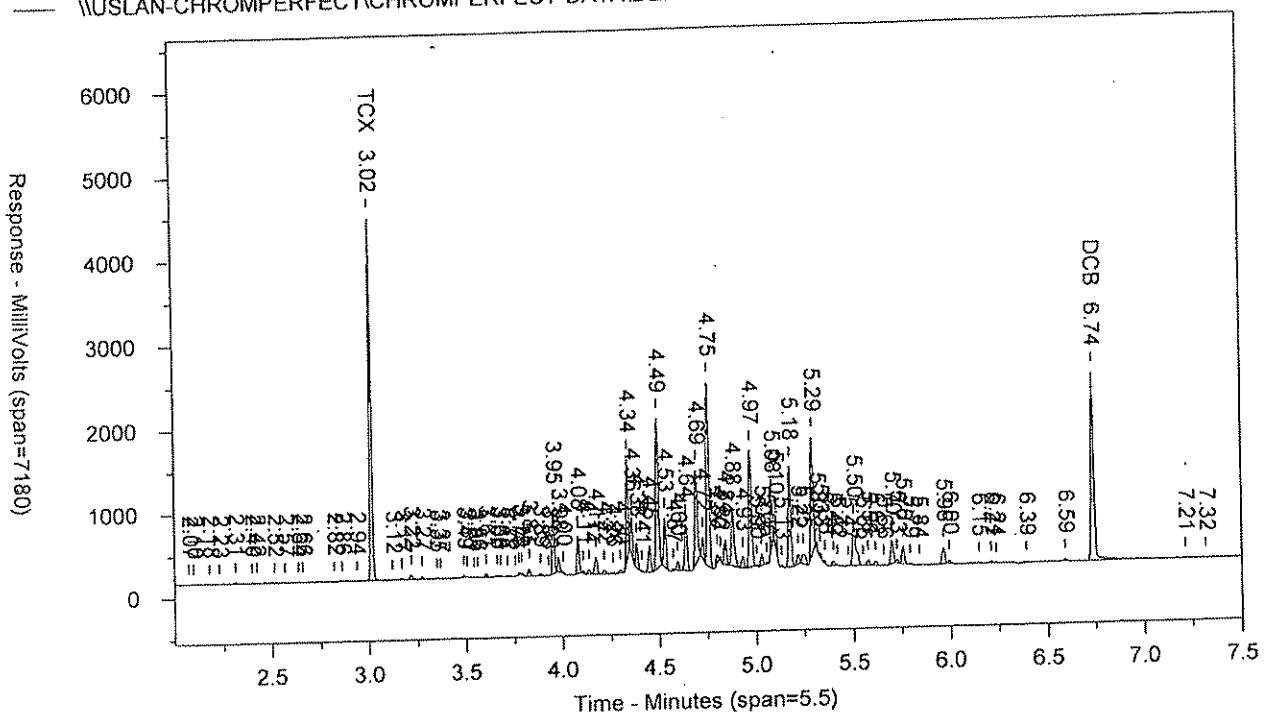
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	4304367	41.905	TCX	2.632	13017460	40.388	TCX
6.737	2235246	38.374	DCB	6.125	9462107	37.951	DCB

Files:
Area File: 20pcbs16257001.0020.RAW
Area File: 20pcbs16257001B.0020.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 8:24:27 PM
File Reported On: 9/13/2016 at 8:24:31 PM

AR5441624A AAAR544AA ICAL 1625699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs16257001.0020.RAW



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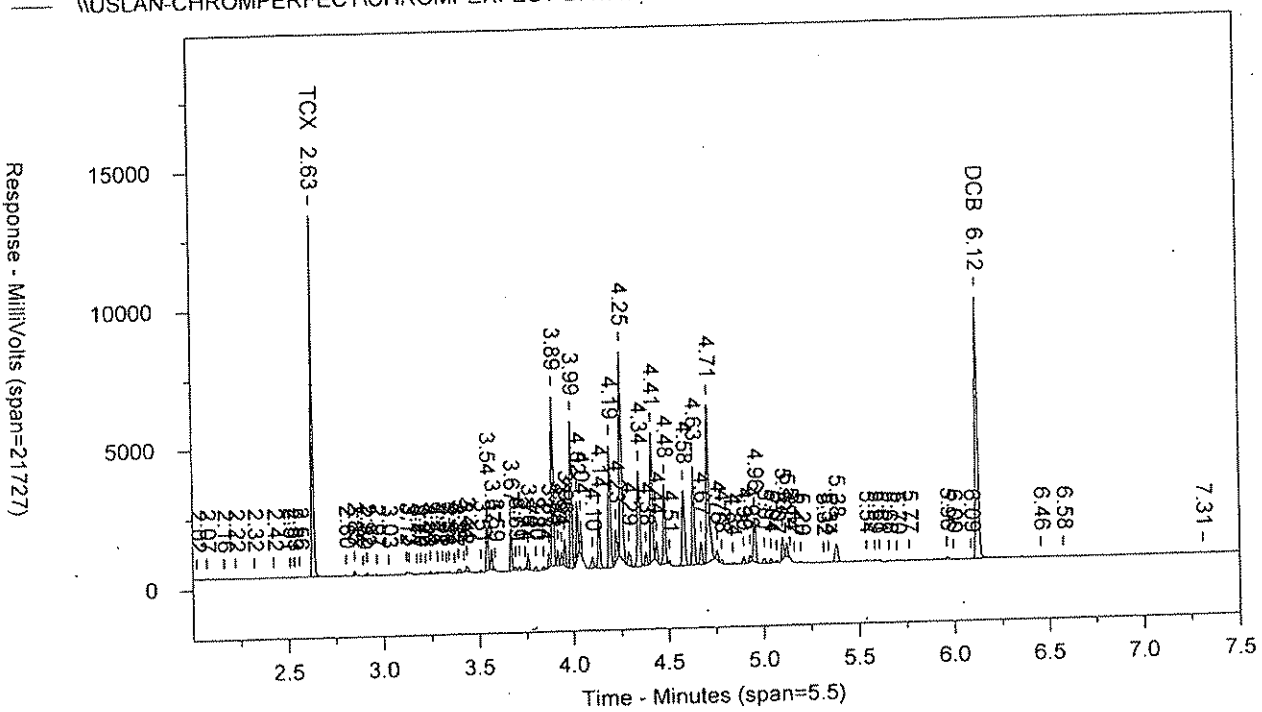

LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:27:13 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: 20pcbs16257001.0021.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.075		1616	3063
2.099		1443	1251
2.181		3659	8818
2.226		1843	2921
2.31		39747	28881
2.398		10932	7119
2.421		15132	10009
2.514		1922	2215
2.566		749	1428
2.659		4100	4319
2.862		6531	4857
2.939		1584	2855
3.017	TCX	8897759	5864341
3.12		3559	3141
3.17		20931	17928
3.217		104677	79618
3.273		58147	42702
3.348		17615	10717
3.368		3566	2246
3.488		48928	30493
3.506		25131	18983
3.543		4165	2144
3.559		10290	5754
3.605		71020	51152
3.662		40128	23746
3.679		33524	18982
3.715		17710	10078
3.73		8217	3863
3.755		7769	4373
3.774		43866	23732
3.788		36064	27752
3.827		158964	135094
3.887		58707	47605
3.928		6863	4179
3.954		1474746	1078618
3.981		351988	263146
4.004		34232	18876
4.082		875828	672375
4.107		59467	38242
4.138		101809	75533
4.174		382382	344573
4.216		83240	67673
4.245		4834	2749
4.262		21050	13640
4.298		68257	59469
4.337		2285350	1681671
4.358		900901	550494
4.383		649417	474548
4.409		11327	6804
4.45		598298	518517
4.494		3658414	3377019
4.529		1147603	933861
4.571		46855	33514
4.595		185962	153858

RT A	Compound A	Height A	Area A
4.639		1078133	956272
4.692		2234528	1995179
4.725		497552	338172
4.754		4605934	3906008
4.801		193038	137773
4.816		94362	45166
4.842		582881	488643
4.879		1315848	1290355
4.932		249989	224252
4.974		2894078	2676208
5.004		39042	22837
5.029		253282	212058
5.056		50446	30097
5.083		1080143	831957
5.102		577445	378304
5.134		34532	25774
5.177		2384684	2181586
5.219		248236	193840
5.246		228483	318220
5.292		3032842	2640734
5.315		142655	67956
5.333		98439	52120
5.354		63383	40198
5.397		97747	81258
5.418		14114	9157
5.474		5815	3761
5.504		954619	1184036
5.551		6471	3537
5.577		110579	102166
5.617		97978	93101
5.657		20199	17628
5.701		584075	495064
5.726		72356	50404
5.757		393769	355331
5.793		7644	6415
5.964		360970	336116
5.994		62121	60250
6.147		32413	35523
6.211		37435	34629
6.235		8120	5393
6.39		29679	60520
6.438		1839	2871
6.519		1673	1277
6.59		46032	47428
6.736	DCB	4650246	4757235
7.213		4245	5334

LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:27:13 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: 20pcbs16257001B.0021.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.013		2342	2580
2.072		41103	32547
2.163		6162	9747
2.221		3382	6840
2.287		1906	1986
2.32		11270	10303
2.389		1672	2570
2.425		5084	3626
2.469		2030	2308
2.531		2522	1775
2.563		28519	19834
2.632	TCX	26529630	15882450
2.719		2464	1806
2.804		69743	54146
2.849		283053	154435
2.916		170091	110714
2.965		62116	36046
3.004		1506	833
3.027		15427	10117
3.122		169856	193154
3.173		21796	13499
3.195		41640	25546
3.22		8089	4422
3.245		185972	128399
3.281		118422	72331
3.308		138599	75838
3.326		47070	21023
3.341		71306	38726
3.391		137845	64608
3.401		91338	37082
3.421		61555	25685
3.436		349668	286247
3.509		195226	125774
3.543		4930449	2962809
3.567		1423632	784528
3.585		155674	71766
3.67		2986477	1859932
3.693		237450	124598
3.714		341236	222372
3.743		145362	71156
3.76		1132752	685275
3.801		282723	225395
3.841		206081	176907
3.871		958956	566147
3.893		12030050	7838684
3.917		1220721	659786
3.937		949439	521467
3.956		1891630	1113632
3.991		10416360	6988867
4.023		3995001	2408653
4.04		2229176	1199017
4.101		727597	560334
4.136		3860406	2722609
4.192		8970473	6253181

RT B	Compound B	Height B	Area B
4.225		2236032	1605251
4.252		15061050	11174940
4.291		972164	912674
4.344		6776033	5610935
4.38		953029	704496
4.413		9770002	6743132
4.437		1381075	894673
4.479		5565073	4172210
4.506		290669	169178
4.579		5000608	4965452
4.632		6982779	5467281
4.672		1599769	1297841
4.71		11335680	10300820
4.757		722110	467789
4.781		302962	195943
4.841		112812	124615
4.897		494684	433369
4.932		470007	323001
4.955		3316114	2520647
5.005		368812	313420
5.041		312084	244410
5.071		169903	138235
5.103		1658609	1158145
5.125		1041670	681777
5.142		128713	62375
5.166		27152	16222
5.198		56029	53712
5.26		4229	3441
5.317		3601	2119
5.341		52526	41366
5.382		1312188	1272794
5.486		5675	6156
5.542		102352	89365
5.586		64485	50326
5.61		133825	99027
5.66		79231	105217
5.765		75206	76288
5.798		5308	4455
5.917		3981	3509
5.964		169604	144424
5.995		4612	3155
6.018		2321	1807
6.125	DCB	19030770	16717590
6.262		4175	2783
6.297		8382	11807
6.464		3482	1961
6.574		15905	15195
7.313		3840	5290
8.228		5586	9844
8.61		1354	1080

AR5451624A AAAR545AA ICAL 1625699999 10736 SW-846 8082

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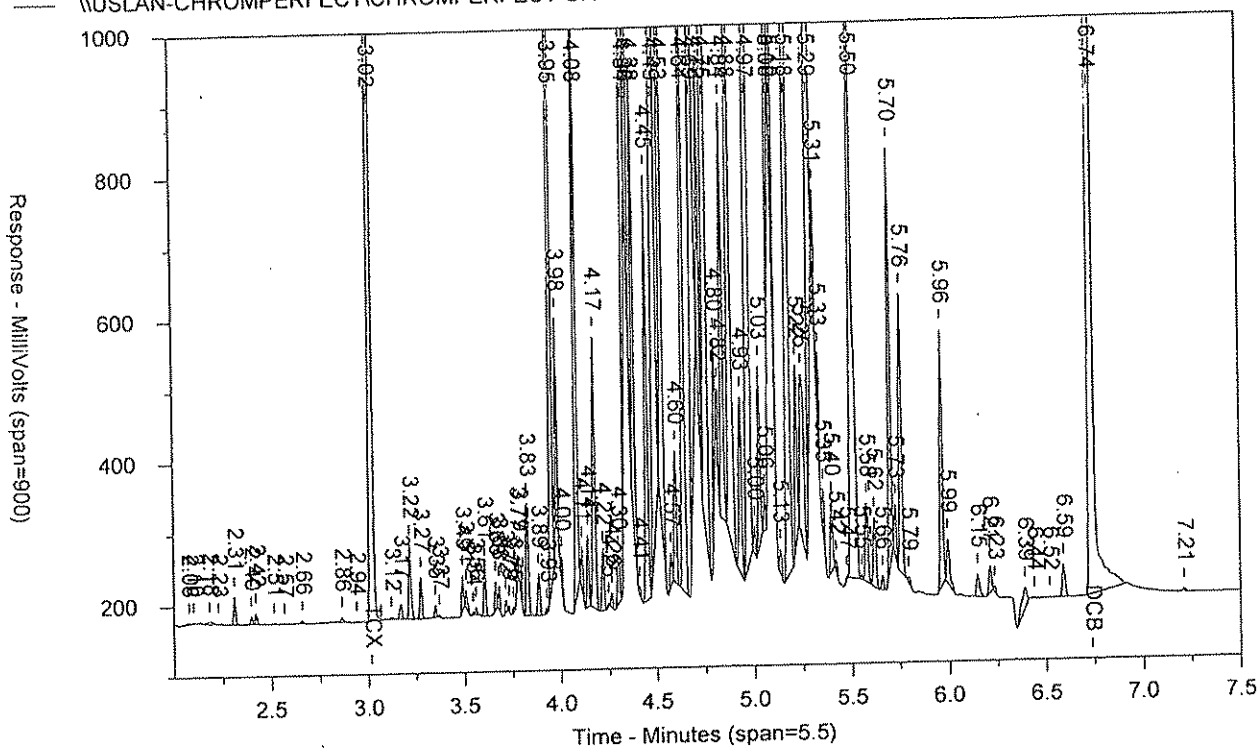

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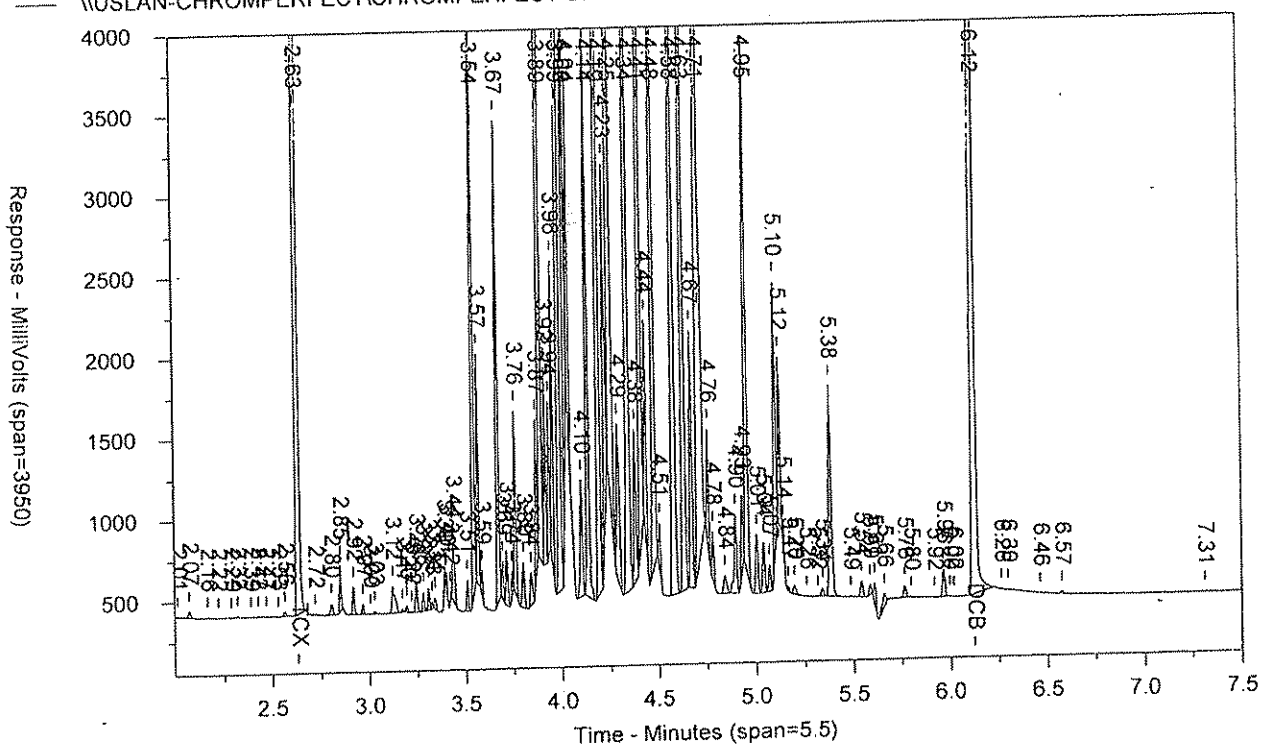

LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:27:13 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	8897759	86.623	TCX	2.632	26529630	82.31	TCX
6.736	4650246	79.833	DCB	6.125	19030770	76.329	DCB

Files:
Area File: 20pcbs16257001.0021.RAW
Area File: 20pcbs16257001B.0021.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 8:35:56 PM
File Reported On: 9/13/2016 at 8:36:03 PM

AR5451624A AAAR545AA ICAL 1625699999 10736 SW-846 8082

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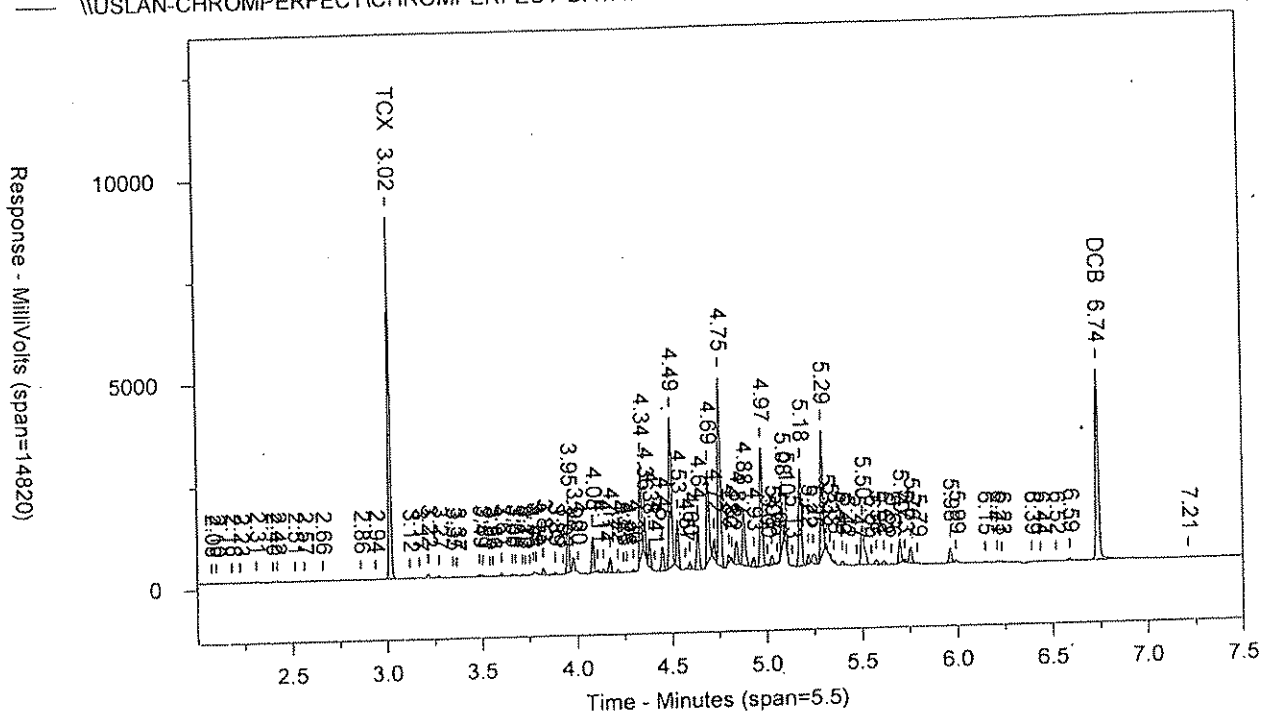

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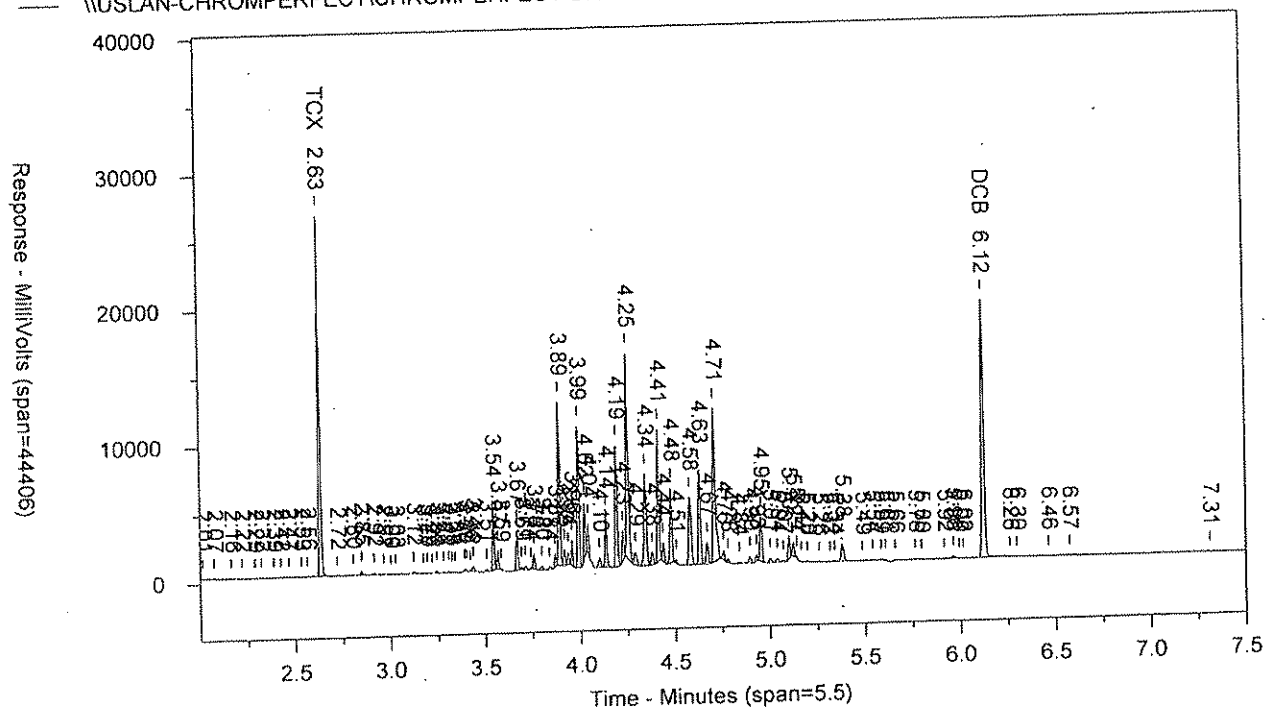

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:38:43 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0022.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.078		972	2375
2.18		5046	14709
2.23		4735	7913
2.398		6561	5102
2.503		1399	1034
2.657		787	563
2.829		1340	2148
2.86		2251	1736
2.902		1739	1911
2.934		896	977
3.019	TCX	952	850
3.101		841	751
3.168		1921	1832
3.226		2805	2855
3.273		12733	9442
3.368		1811	1411
3.488		14140	8459
3.505		6374	3350
3.543		1394	881
3.576		1225	701
3.605		21112	15981
3.679		2241	1761
3.715		4503	2606
3.754		6681	4177
3.775		7467	3970
3.787		12073	6379
3.826		18883	15718
3.887		13371	10978
3.927		1560	962
3.954		18006	13107
3.988		12920	16582
4.04		4041	3387
4.083		14319	10196
4.108		3993	2727
4.138		4277	2930
4.173		10968	15012
4.217		3775	3232
4.26		1579	1427
4.299		2663	2634
4.337		91379	73953
4.358		9870	4874
4.382		10830	7456
4.409		24436	19886
4.449		10306	8280
4.494		118391	109637
4.53		10286	7040
4.595		2422	2062
4.637		20238	19884
4.708		96954	114769
4.755		52471	48371
4.801		321985	342665
4.839		54173	41425
4.88		505421	496813
4.923		3187	2588

RT A	Compound A	Height A	Area A
4.971		35816	38291
5.005		1526	786
5.03		67234	68644
5.083		588690	649755
5.134		262471	257703
5.177		259830	316406
5.256		30609	27806
5.291		446430	492149
5.331		3687	1336
5.354		796332	750119
5.398		350923	334676
5.492		117349	92413
5.519		666232	667987
5.578		277286	239903
5.599		14135	5665
5.618		83373	63425
5.659		34933	31616
5.701		120371	113853
5.757		1590745	1668046
5.962		862954	971559
6.016		432990	719746
6.149		47249	47404
6.213		18233	12637
6.236		203116	191570
6.391		550860	563234
6.436		33000	31150
6.592		201580	215655
6.737	DCB	7910	8591
6.821		1631	1586
6.974		1005	1268
7.247		1451	2197
7.561		1537	2893

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:38:43 PM Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0022.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.224		2894	3197
2.375		3167	2741
2.426		6438	12534
2.533		3903	2638
2.562		9202	8492
2.65	TCX	2508	1582
2.677		3645	2687
2.722		3651	2540
2.803		7243	7126
2.864		6965	5868
2.915		36171	23605
3.027		6226	4189
3.122		31974	15411
3.133		15440	5907
3.173		7508	7505
3.196		7439	5113
3.243		51665	36813
3.294		11781	16036
3.326		8364	3673
3.34		46159	26330
3.391		24287	11393
3.401		40900	17343
3.434		59275	51555
3.463		5020	2651
3.509		46638	30290
3.543		54814	34107
3.567		56985	33130
3.585		9904	4340
3.604		3285	6516
3.67		47753	31037
3.693		18263	10399
3.714		13156	7760
3.742		28493	18130
3.76		30520	16751
3.801		14612	12944
3.841		13248	13806
3.871		19059	10458
3.892		347352	226470
3.917		36156	20843
3.938		3279	1346
3.955		34921	22245
3.99		377196	259536
4.024		51462	32648
4.04		12099	5274
4.089		91726	75563
4.134		44236	48485
4.191		80915	59644
4.235		246806	160327
4.266		1056599	796979
4.292		272874	271754
4.343		1795208	1409192
4.383		19300	18600
4.412		69074	43710
4.437		263393	196892

RT B	Compound B	Height B	Area B
4.479		2067554	1596659
4.583		1981860	1691532
4.614		2846	1056
4.635		322728	258853
4.675		591124	474029
4.709		1221729	1058959
4.742		2783962	2136791
4.779		1132695	913024
4.88		559071	483207
4.931		2764886	2371053
5.004		1102528	1088454
5.04		340479	258795
5.069		309383	253349
5.124		5550128	4763089
5.166		64036	45805
5.198		358548	294125
5.317		89444	60182
5.34		2131815	1808792
5.387		3402252	3590245
5.458		3121	1740
5.541		167824	146585
5.587		24122	17328
5.609		129480	111387
5.659		828845	737816
5.765		2242234	1798684
5.797		100246	74124
5.965		829593	754993
6.125	DCB	28449	37229
6.257		2904	14254
6.301		5741	5260
6.481		2885	9271
6.73		1743	9417
6.834		1432	1679
6.954		2260	6277
7.381		7659	9568
8.228		5370	10022

AR6231624A AAAR623AA ICAL 1625699999 10736 SW-846 8082

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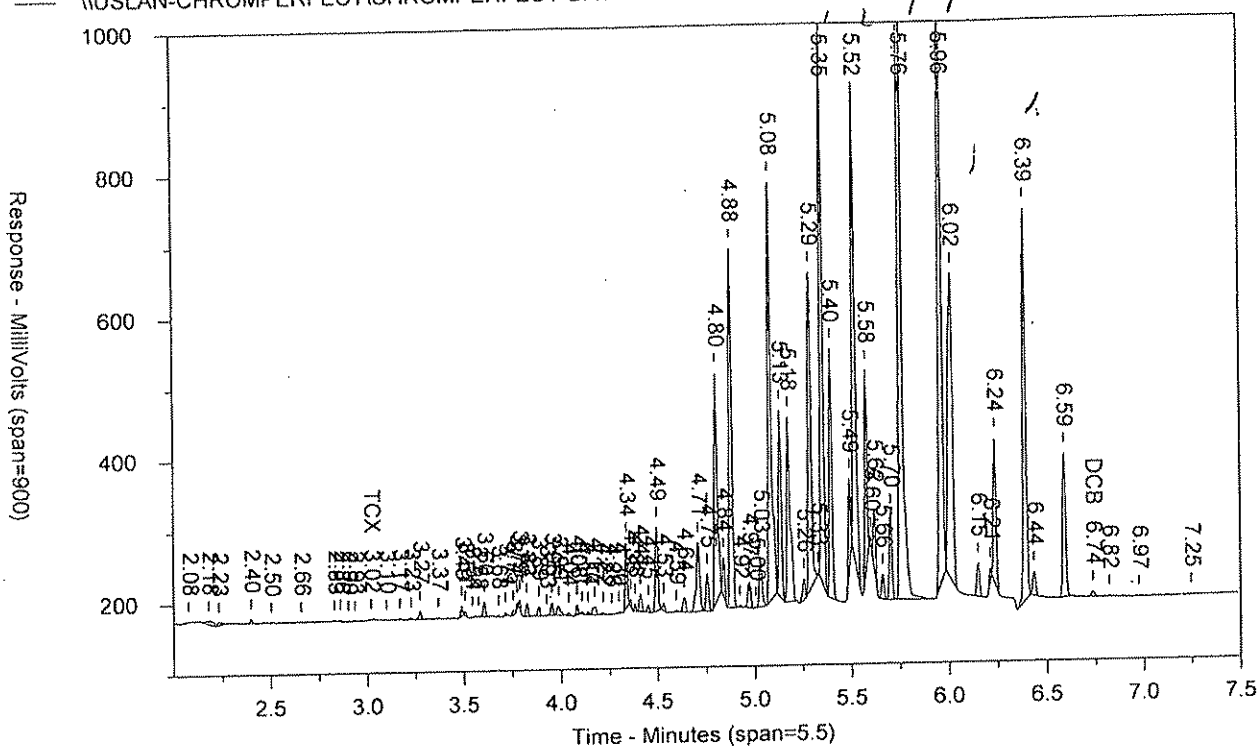

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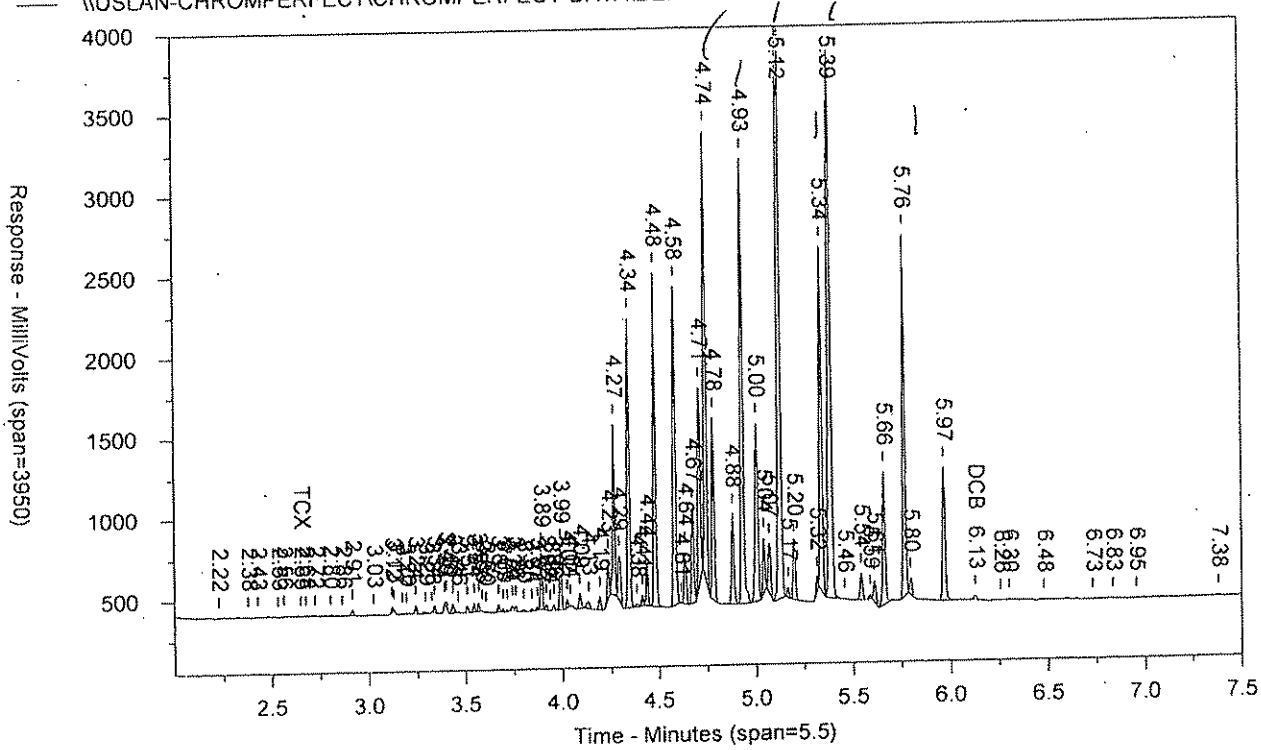

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:38:43 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
3.019	952	.009	TCX	2.65	2508	.008	TCX
6.737	7910	.136	DCB	6.125	28449	.114	DCB

Files:
Area File: 20pcbs16257001.0022.RAW
Area File: 20pcbs16257001B.0022.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 8:47:27 PM
File Reported On: 9/13/2016 at 8:47:35 PM

AR6231624A AAAR623AA ICAL 1625699999 10736 SW-846 8082

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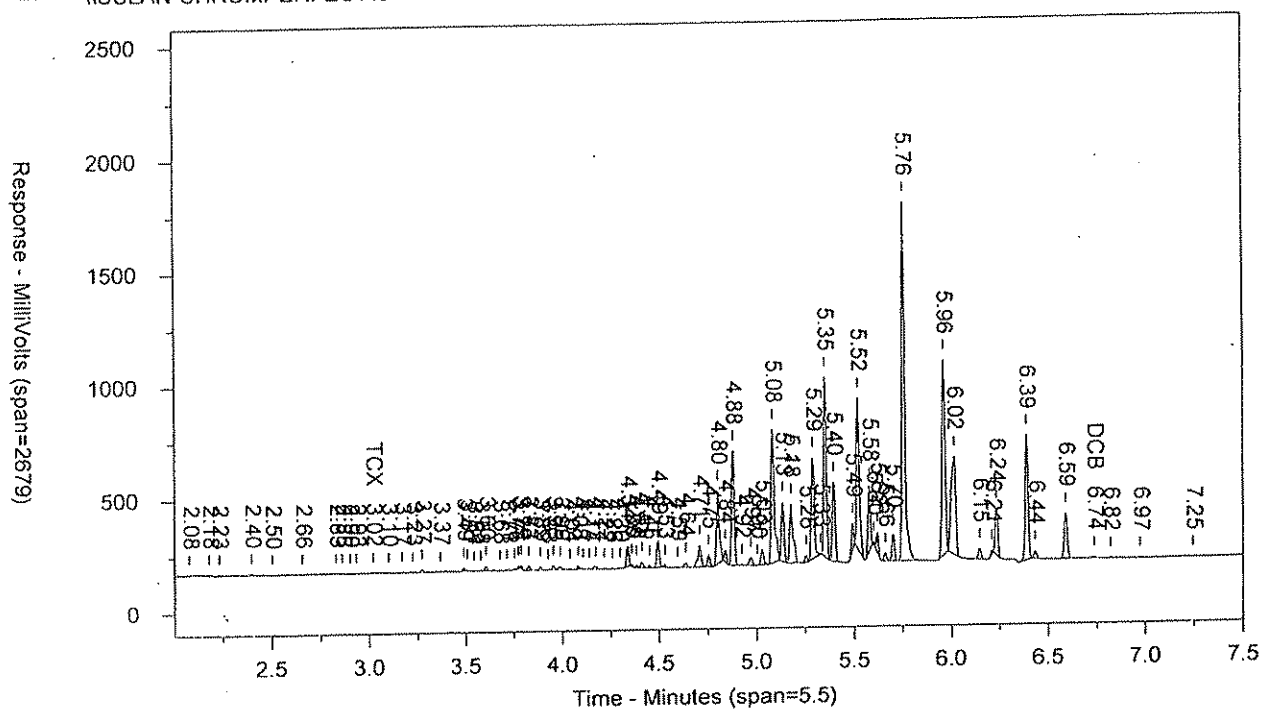

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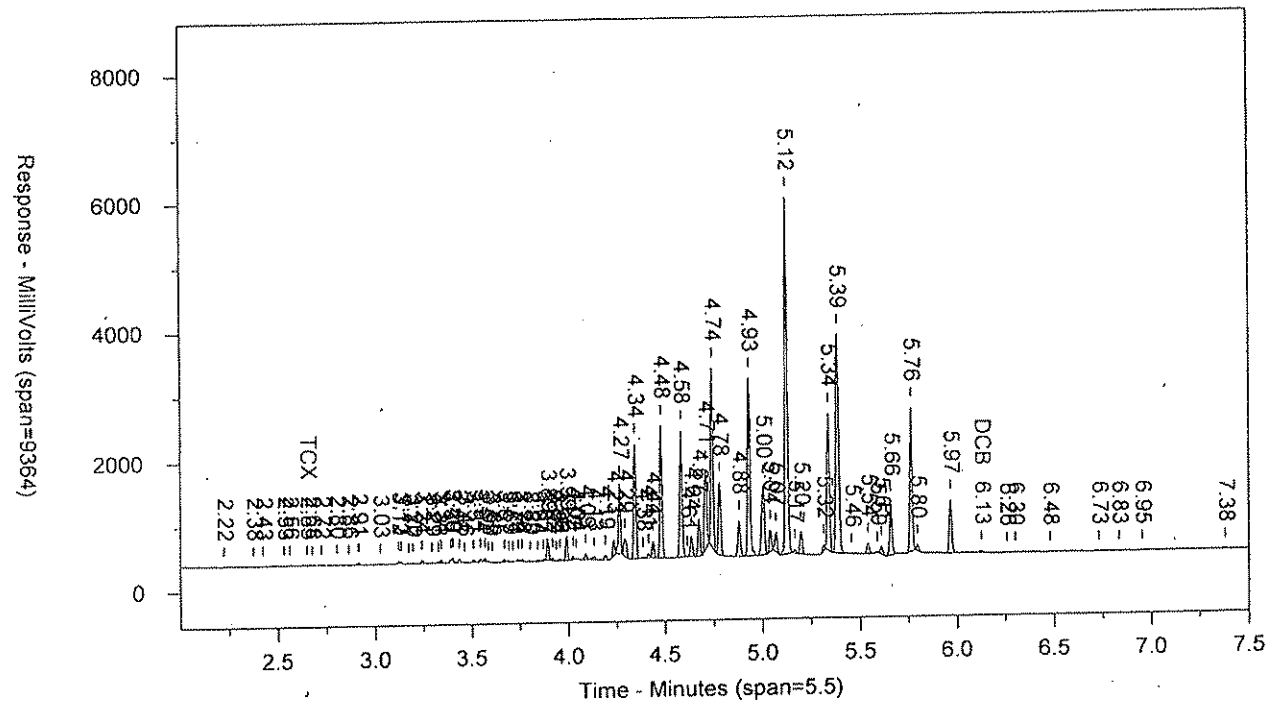

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:50:08 PM
Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0023.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.072		1970	2525
2.1		1982	1975
2.185		4048	11263
2.228		3320	5391
2.398		10028	7626
2.636		1309	1521
2.763		718	1038
2.811		1076	1196
2.861		2871	3294
2.906		806	403
3.273		2470	2181
3.367		705	621
3.489		2984	2074
3.561		658	665
3.603		6840	5762
3.644		1321	1717
3.715		2714	2753
3.754		6786	4593
3.774		1919	937
3.826		4564	3488
3.887		4208	3524
3.927		857	707
3.952		5535	4256
3.984		4365	6177
4.082		5904	4316
4.108		2038	1404
4.138		1732	1275
4.174		5410	5917
4.216		2443	2180
4.26		1000	754
4.301		1109	1413
4.337		4882	3254
4.358		9084	6302
4.382		3706	2290
4.409		24493	23245
4.491		8492	6914
4.512		2954	2826
4.594		1471	1124
4.635		6013	5834
4.691		2901	2839
4.724		1420	957
4.755		4713	4332
4.8		2677	2768
4.842		4303	3971
4.881		4285	3837
4.923		4138	3875
4.974		5131	5033
5.008		1659	1344
5.049		6780	7119
5.083		5502	4347
5.134		28904	25621
5.177		6797	7754
5.247		2010	1858
5.286		11525	11911

RT A	Compound A	Height A	Area A
5.354		319808	324096
5.397		25497	23099
5.492		15216	12188
5.534		394820	426378
5.598		124033	131073
5.659		11342	10686
5.703		2821	2799
5.758		143122	121913
5.779		74102	53587
5.874		2509	1987
5.959		1916099	1811600
6.018		1558326	1698858
6.148		1448314	1428472
6.213		362202	411603
6.286		3197	13693
6.391		616869	618881
6.438		2201	1632
6.591		4805015	4876876
6.739	DCB	916898	981047
6.82		4975	4582
7.07		3162	3270

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:50:08 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0023.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.136		1736	2453
2.222		4460	4680
2.291		3561	2512
2.425		5935	3865
2.446		3415	1943
2.562		12869	10221
2.604	TCX	2708	1283
2.717		4925	6246
2.894		1998	3327
2.916		5386	4493
3.003		1780	1551
3.028		1636	1059
3.122		5942	3104
3.167		3179	4304
3.197		5329	4929
3.244		12531	9645
3.29		10603	12540
3.341		37194	26014
3.392		8838	4473
3.434		19955	20802
3.464		5314	3312
3.509		15104	13241
3.544		13804	7883
3.567		19505	12874
3.586		3560	1731
3.67		19737	14061
3.692		16668	11511
3.715		8670	4480
3.743		6731	3327
3.759		15869	9112
3.803		8239	6714
3.839		6628	7776
3.871		13705	8743
3.893		34703	21002
3.918		29477	19119
3.953		3765	3360
3.991		9440	8593
4.026		21776	13910
4.054		11988	6602
4.09		88924	72837
4.125		12574	12870
4.188		5445	3156
4.225		8140	7020
4.253		11778	6899
4.29		2640	2902
4.346		24469	25184
4.384		16369	12323
4.412		14312	10139
4.436		3340	1754
4.455		13749	9130
4.48		21466	14047
4.507		3431	5200
4.583		101251	99044
4.632		23227	19368

RT B	Compound B	Height B	Area B
4.677		37313	31952
4.711		9732	7442
4.742		1103274	903559
4.78		75123	55785
4.855		4951	3403
4.88		60136	49905
4.93		1461429	1280479
4.997		393536	364480
5.057		13526	9213
5.074		8875	5472
5.124		626441	549643
5.199		373034	330398
5.278		3074	2128
5.317		37135	23561
5.34		6497108	5636958
5.388		6455742	5334216
5.486		9156	7655
5.541		5817943	4911101
5.609		1393964	1212589
5.659		141857	131134
5.765		2365974	2101527
5.891		10817	14180
5.965		20318010	17644000
6.124	DCB	3916839	3507263
6.282		1824	1228
6.301		16836	12278
6.463		12055	10902
8.232		5111	6885

AR6831624B AAAR683AA ICAL 1625699999 10736 SW-846 8082

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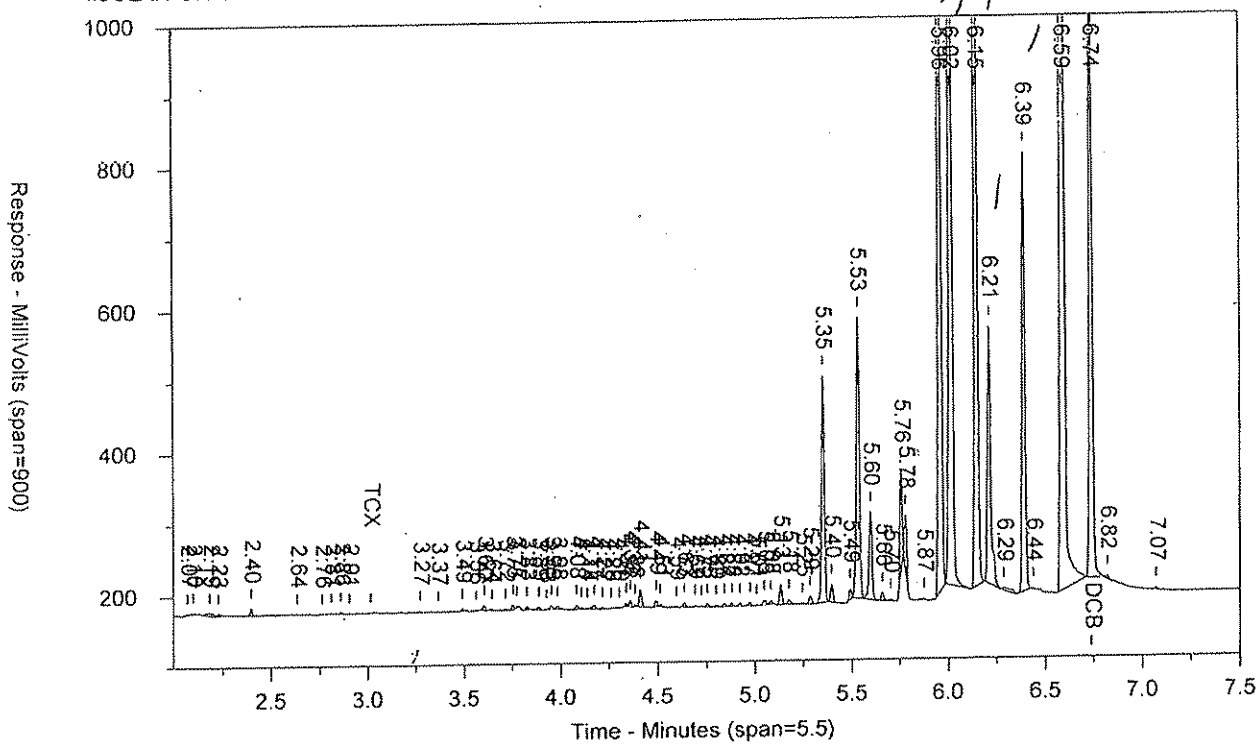

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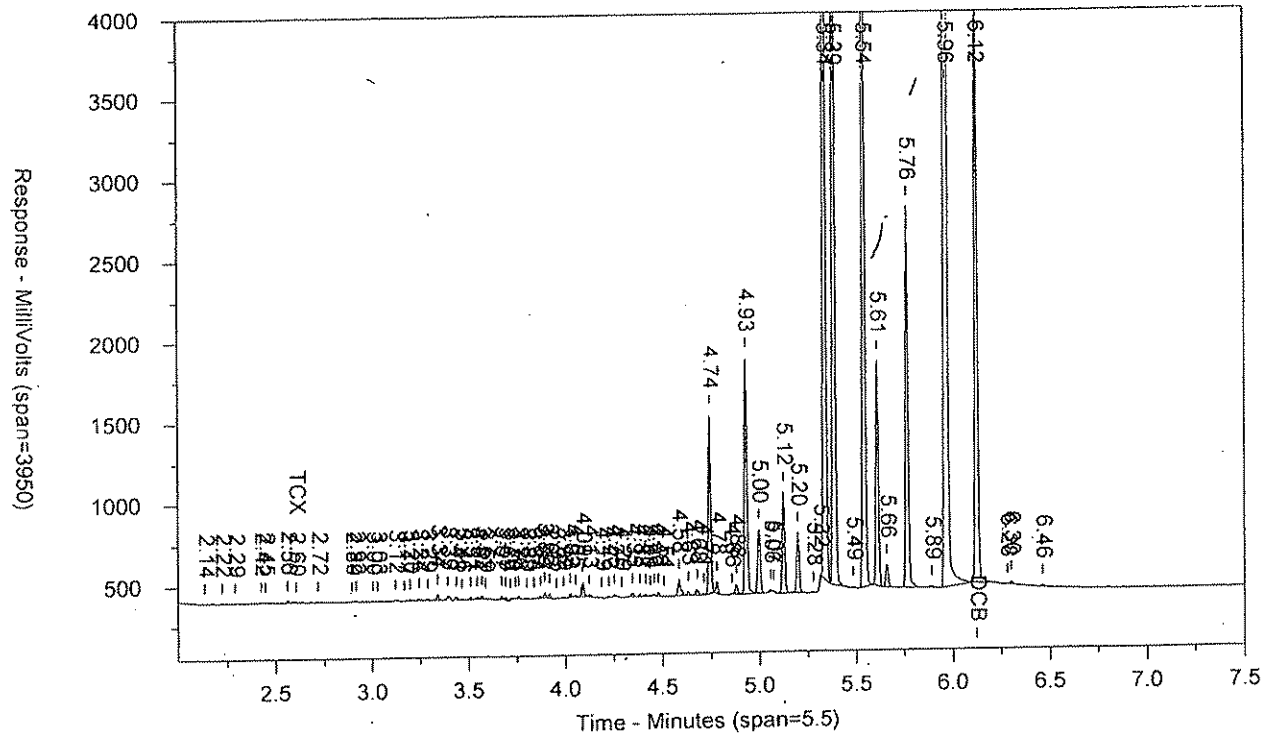

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 8:50:08 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
	0		TCX	2.604	2708	.008	TCX
6.739	916898	15.741	DCB	6.124	3916839	15.71	DCB

Files:
Area File: 20pcbs16257001.0023.RAW
Area File: 20pcbs16257001B.0023.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 8:58:51 PM
File Reported On: 9/13/2016 at 8:58:57 PM

AR6831624B AAAR683AA ICAL 1625699999 10736 SW-846 8082

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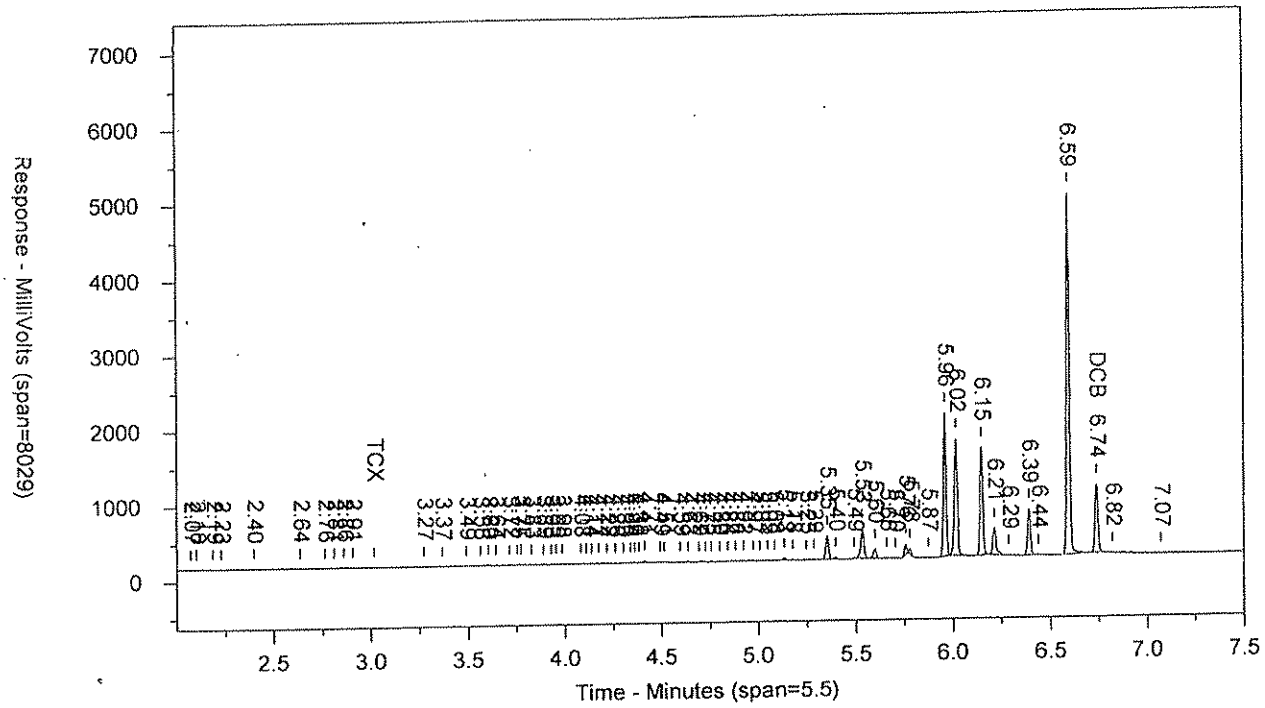

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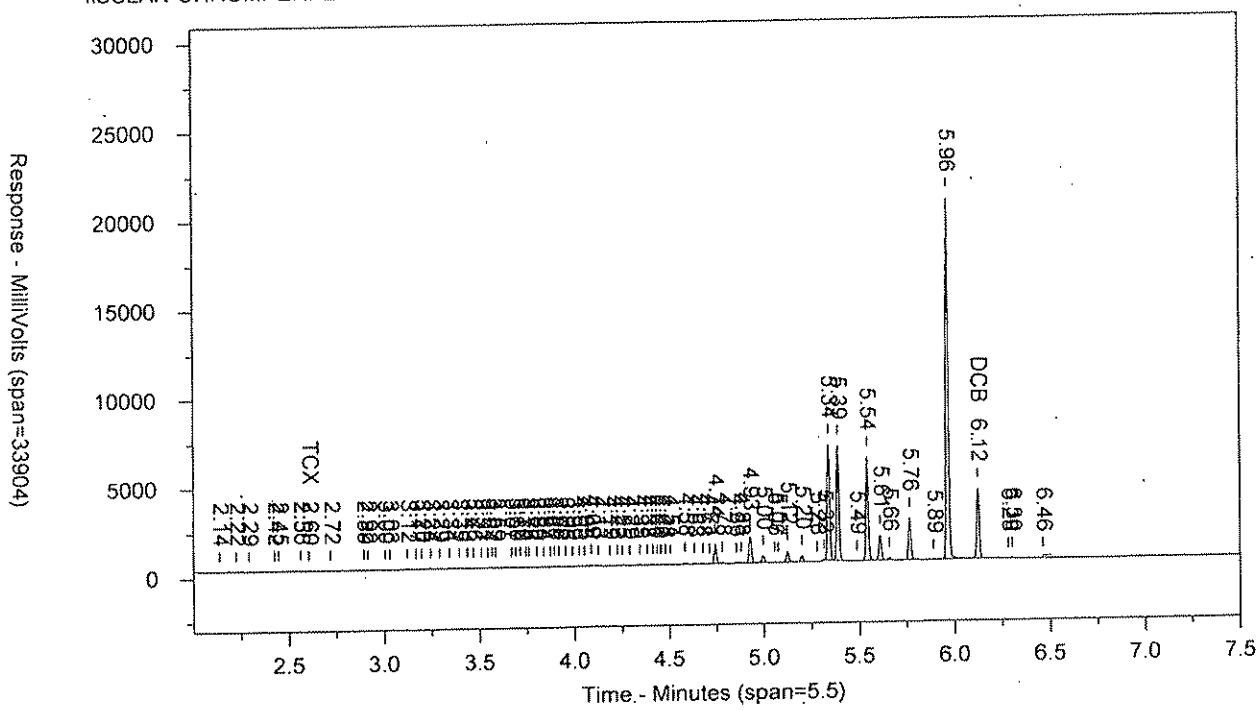

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:01:27 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: 20pcbs16257001.0024.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.076		1282	2753
2.172		2763	6758
2.227		1110	892
2.31		22286	21168
2.398		6904	4354
2.421		7785	5230
2.515		1374	1673
2.656		137898	100247
2.861		1709	1255
2.9		1536	1069
2.934		44119	30662
3.017	TCX	4401142	2909727
3.126		4478	4018
3.169		171834	143855
3.225		150567	131624
3.273		467689	325484
3.348		8998	5278
3.367		2660	1637
3.488		26573	15935
3.506		7002	3231
3.575		55957	38268
3.605		37934	26890
3.662		23772	17849
3.714		9579	5174
3.73		7883	4008
3.754		7783	4549
3.775		14577	7392
3.787		30212	15226
3.826		41306	34337
3.888		26435	19544
3.926		995	775
3.954		12942	9052
3.982		5726	4942
4.082		10316	7520
4.108		2258	1849
4.138		2294	1585
4.178		11867	11631
4.218		2068	1962
4.258		1466	1231
4.29		2615	2881
4.338		15059	10456
4.358		10592	6671
4.383		6984	4772
4.41		22899	20230
4.45		2380	2111
4.494		19933	17677
4.529		3994	2697
4.594		1361	1256
4.64		5541	5230
4.692		9507	8390
4.726		2336	1531
4.756		18600	15815
4.799		1887	1458
4.843		3187	2684

RT A	Compound A	Height A	Area A
4.881		6137	6085
4.931		939	786
4.975		8829	8187
5.006		1136	807
5.048		6742	6928
5.084		4199	3179
5.134		710	595
5.176		6995	9187
5.248		3239	3304
5.294		9226	10625
5.358		1302	941
5.504		2229	4482
5.583		1105	1461
5.658		2186	2273
5.702		1120	1492
5.758		1527	958
5.779		6691	5727
5.88		927	814
5.964		1697	1723
6.149		15270	14129
6.214		14513	15839
6.394		3031	10819
6.425		587	553
6.513		552	486
6.593		23483	24317
6.64		844	1171
6.702		559	477
6.741	DCB	2444201	2487380
6.851		1941	4089
7.216		2157	2181
7.84		580	519

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:01:27 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: 20pcbs16257001B.0024.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.003		1376	1240
2.072		22053	17842
2.165		2031	1597
2.223		2945	3446
2.316		355662	253049
2.425		5041	2736
2.511		3709	2181
2.537		3050	2091
2.562		6259	4342
2.588		111643	69370
2.631	TCX	13742040	8010579
2.674		135708	107892
2.802		568521	374412
2.849		93283	41421
2.862		332469	177725
2.914		1417558	888231
2.964		34761	20974
3.025		11613	7224
3.102		4313	2483
3.121		56777	26673
3.133		30161	32768
3.163		47766	36092
3.194		14215	8635
3.219		159060	92410
3.243		97637	61451
3.28		6575	3319
3.307		71167	40184
3.326		24294	10650
3.341		70284	37423
3.391		42694	19252
3.401		92072	42103
3.434		111640	92107
3.464		6729	4043
3.508		87058	55899
3.543		39946	23318
3.567		27732	16341
3.585		6166	2957
3.669		33509	21296
3.692		16764	10048
3.713		5435	2505
3.726		4399	1848
3.741		5579	2485
3.76		42433	25146
3.801		7970	7183
3.838		7326	5823
3.871		14215	8408
3.893		75042	47910
3.918		24908	15573
3.955		11042	8213
3.991		48814	35273
4.024		25570	16858
4.041		7441	2893
4.09		85054	75262
4.135		16776	11768

RT B	Compound B	Height B	Area B
4.192		37290	26474
4.226		10800	8864
4.253		57402	43770
4.291		4830	4714
4.344		30814	29083
4.381		3762	2613
4.413		29778	21127
4.437		4624	2594
4.457		2676	1445
4.479		20862	14361
4.507		3840	3428
4.58		9330	6138
4.596		12549	7735
4.632		15799	11605
4.656		4214	2478
4.684		7514	6115
4.71		28437	24413
4.777		4087	2752
4.815		1924	2998
4.857		3730	3237
4.933		5586	4035
4.955		6645	5248
4.999		3858	4282
5.076		6768	4859
5.125		9727	14856
5.199		25935	24324
5.34		3904	2868
5.385		3448	2991
5.542		51463	47335
5.61		58929	55841
5.661		13012	19688
5.767		3660	12458
5.966		87205	78464
5.998		2817	1922
6.126	DCB	10246290	8900652
6.241		4038	2667
6.29		2578	3219
6.576		8038	6948
7.067		3205	3525
7.316		2262	3556
8.235		4238	6672

AR2131624A AAAR213AA ICAL 1625699999 10736 SW-846 8082

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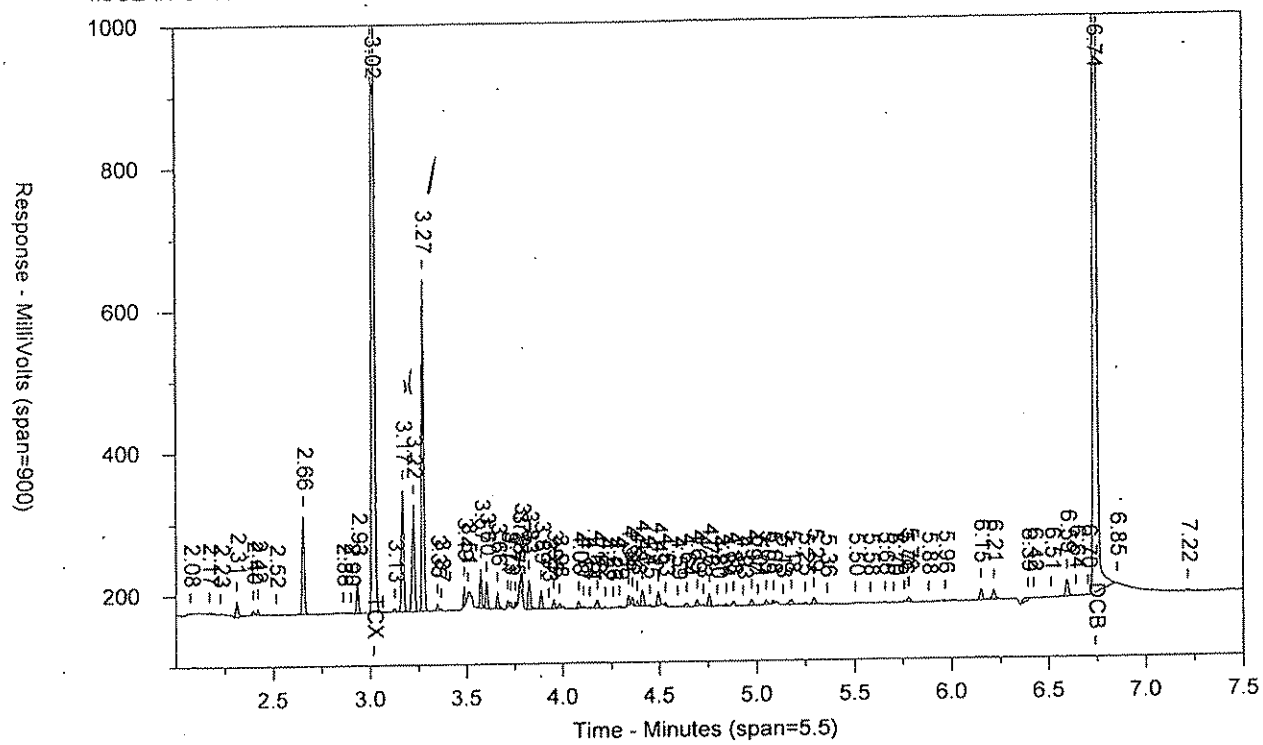

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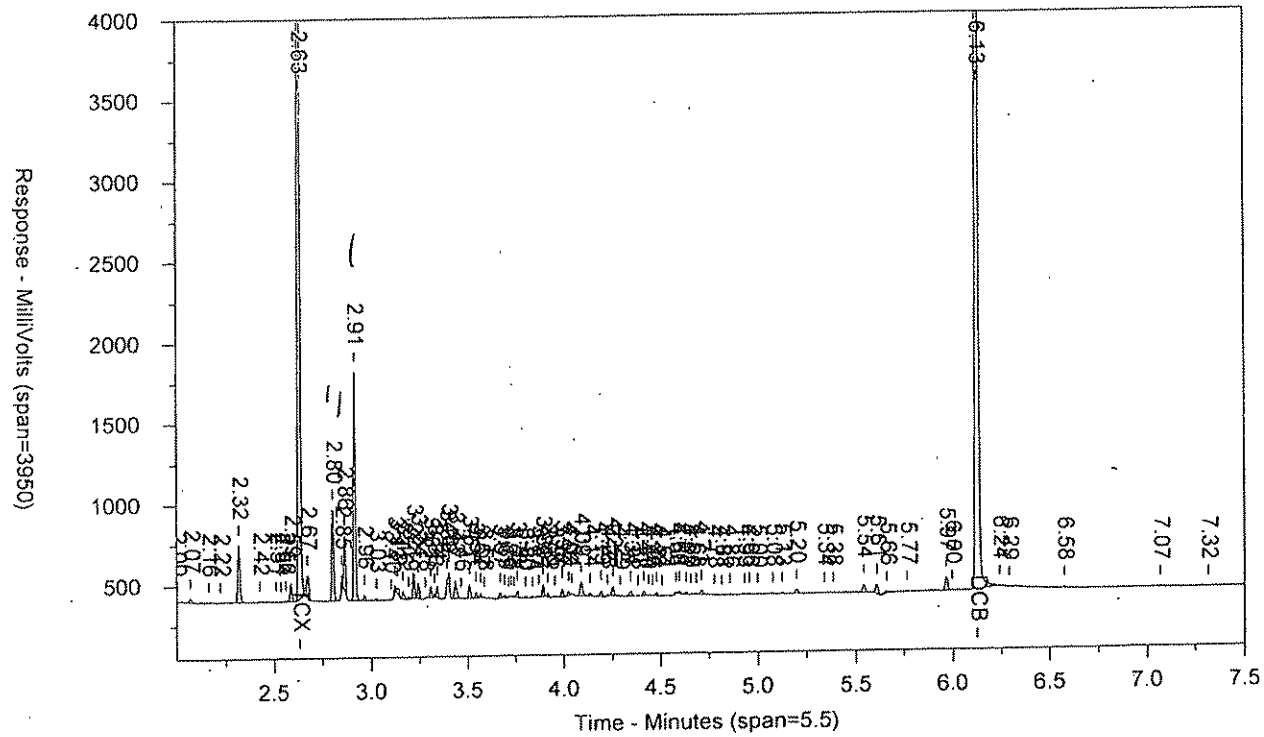

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:01:27 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	4401142	42.847	TCX	2.631	13742040	42.636	TCX
6.741	2444201	41.961	DCB	6.126	10246290	41.096	DCB

Files:
Area File: 20pcbs16257001.0024.RAW
Area File: 20pcbs16257001B.0024.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 9:10:10 PM
File Reported On: 9/13/2016 at 9:10:19 PM

AR2131624A AAAR213AA ICAL 1625699999 10736 SW-846 8082

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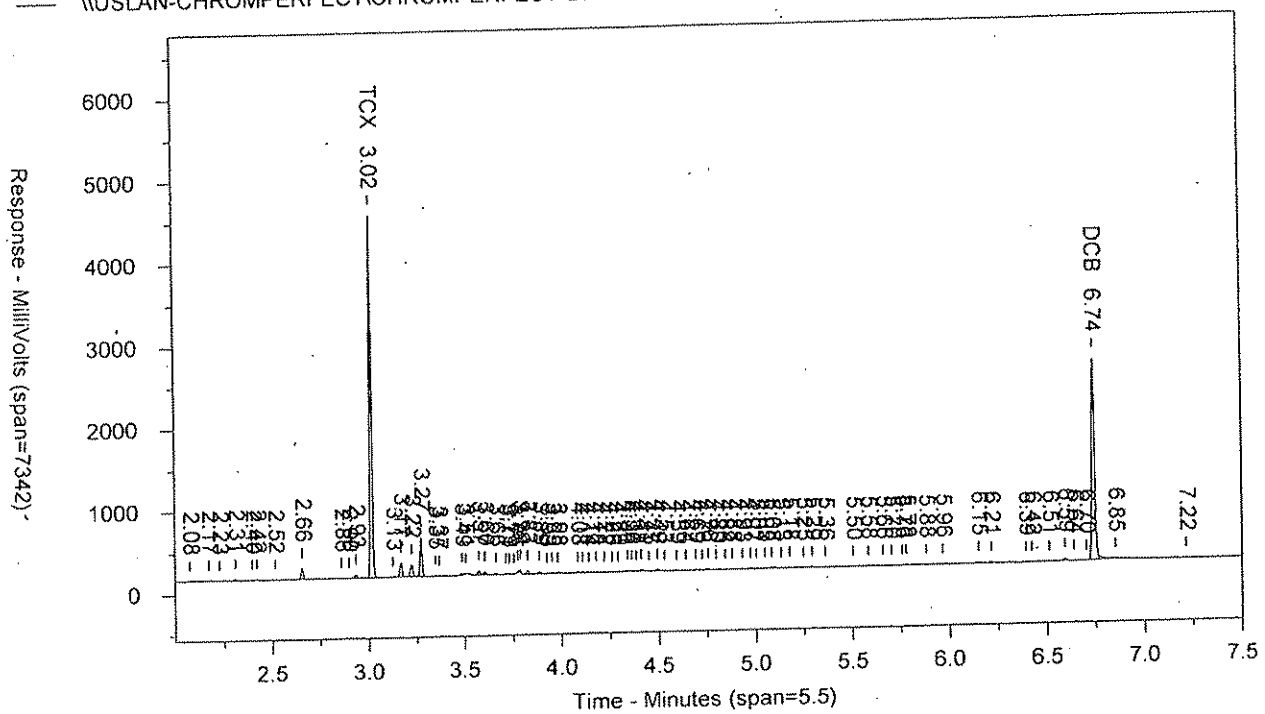

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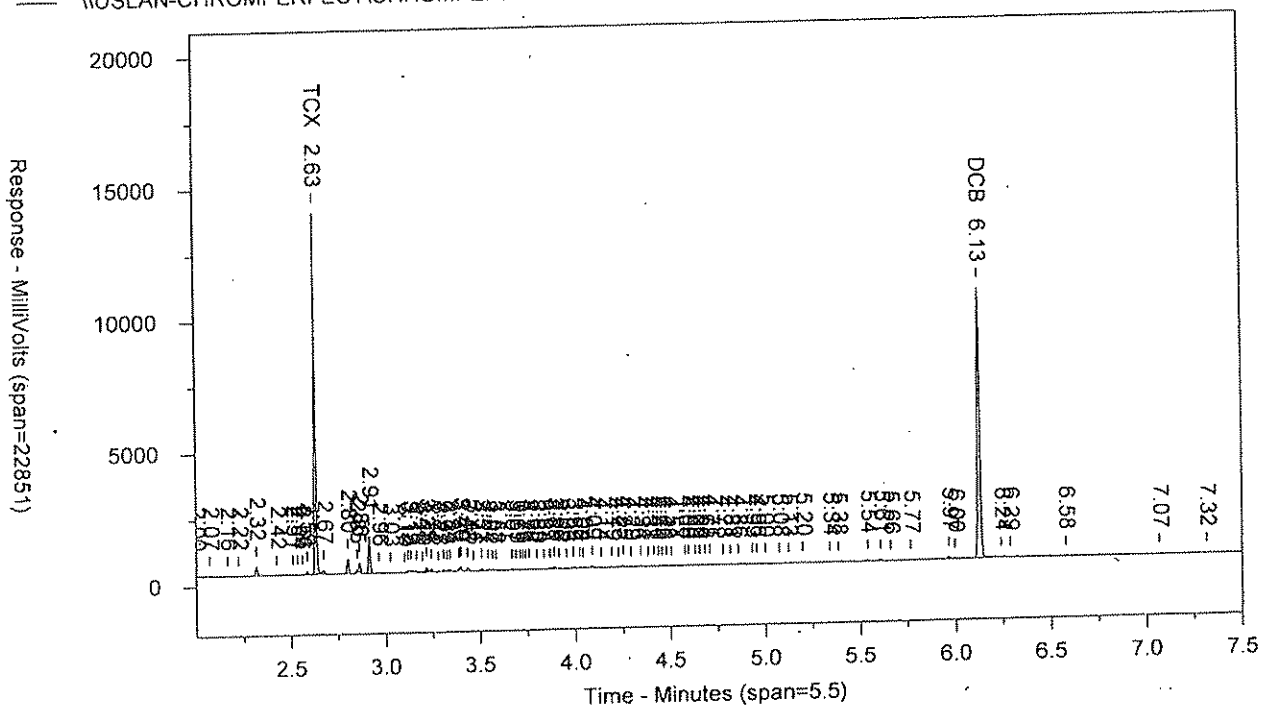

LANCASTER LABORATORIES

Sample Number: AR3231624D AAAR323AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:12:56 PM Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0025.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.073		1661	2919
2.102		1180	3241
2.174		1700	1846
2.31		19429	16163
2.398		9047	6208
2.422		7142	4817
2.514		971	551
2.57		660	749
2.657		83847	60447
2.805		842	1864
2.862		8929	7031
2.935		24513	17465
3.017	TCX	4082182	2657992
3.118		1580	1365
3.17		119027	101501
3.225		114041	104865
3.274		380492	270051
3.349		7206	4057
3.368		19586	12087
3.489		154449	97590
3.506		76287	41151
3.543		18891	9961
3.559		5041	2005
3.575		37898	22937
3.606		189734	141850
3.642		1182	676
3.663		18658	11274
3.68		5744	2712
3.716		44964	25802
3.731		24396	11623
3.756		1763	879
3.776		96008	51686
3.787		165222	87176
3.826		207052	169506
3.889		164446	133456
3.929		13804	8971
3.954		111024	82798
3.983		86685	74578
4.005		27489	15121
4.083		126348	95459
4.108		47243	30815
4.139		50524	37845
4.177		126403	134027
4.217		44512	35758
4.263		8174	6489
4.305		9648	8870
4.338		84547	58952
4.359		105769	72460
4.383		124431	93200
4.411		22056	16343
4.445		7559	8628
4.492		97672	80266
4.515		46821	40095
4.571		1095	697

RT A	Compound A	Height A	Area A
4.597		4051	2964
4.64		18954	17141
4.693		28249	24550
4.725		15910	12245
4.756		44068	38398
4.802		1738	1740
4.844		23287	19910
4.881		4830	5406
4.933		3942	3319
4.975		27199	24723
5.008		1182	908
5.051		7624	8343
5.083		3890	2661
5.139		898	729
5.178		26828	27408
5.25		3510	3727
5.294		7847	8370
5.356		2069	1696
5.396		1348	1529
5.521		2789	4526
5.579		1489	1605
5.657		2195	2524
5.702		1369	1619
5.758		3683	2773
5.781		6014	4620
5.965		3094	3565
6.004		1329	2048
6.15		14985	13822
6.215		16146	17697
6.394		1449	1373
6.448		725	611
6.594		23714	24982
6.741	DCB	2158201	2252988
7.217		1879	1714

LANCASTER LABORATORIES

Sample Number: AR3231624D AAAR323AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:12:56 PM Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0025.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		20998	17809
2.167		2966	3325
2.225		2476	2676
2.316		212352	147672
2.425		6757	6480
2.537		2880	2457
2.563		38402	25767
2.588		58953	36332
2.631	TCX	12271480	7296299
2.675		106119	82576
2.802		401723	263881
2.849		90100	42930
2.863		241161	128174
2.915		1187827	727046
2.965		30724	17500
3.026		59202	36943
3.121		371612	189904
3.133		131484	48795
3.172		74255	56931
3.194		36682	20570
3.219		113263	63477
3.243		552996	370835
3.28		25596	16210
3.307		62039	32000
3.326		138802	70699
3.341		100284	49359
3.391		328610	135612
3.401		535662	227746
3.421		15379	6258
3.435		565755	388073
3.509		573977	356829
3.544		334140	209761
3.567		385187	215805
3.586		121595	62019
3.671		447819	294360
3.694		183535	97157
3.714		159401	95349
3.744		99007	51058
3.76		397865	234381
3.802		144104	107509
3.85		24512	18409
3.871		255731	155498
3.894		506503	313585
3.918		432816	269710
3.956		17327	9105
3.976		9199	4310
3.992		94112	57779
4.026		284575	197131
4.054		178540	112886
4.09		87260	77329
4.136		55999	42952
4.193		99945	76280
4.226		61341	41876
4.252		140838	104185

RT B	Compound B	Height B	Area B
4.294		4130	4143
4.331		8619	4685
4.346		54584	35907
4.381		14115	9871
4.413		88545	63038
4.437		2822	1534
4.48		17848	11796
4.506		8937	6694
4.583		5544	5017
4.597		13138	8131
4.632		76698	61274
4.682		9413	8826
4.711		23077	19136
4.743		4481	3641
4.78		3763	2432
4.856		4566	6613
4.933		8446	6770
4.957		4958	3696
5.005		5049	5476
5.076		7691	6791
5.105		1996	1183
5.125		15840	14030
5.2		25295	23571
5.34		4677	3396
5.385		11928	12013
5.542		52891	49014
5.61		54336	47479
5.66		9311	9360
5.766		5691	5046
5.965		89993	78696
5.999		3422	4060
6.125	DCB	9087431	8043094
6.579		7762	8738
7.277		1324	2302
8.234		5949	13827

AR3231624D AAAR323AA ICAL 1625699999 10736 SW-846 8082

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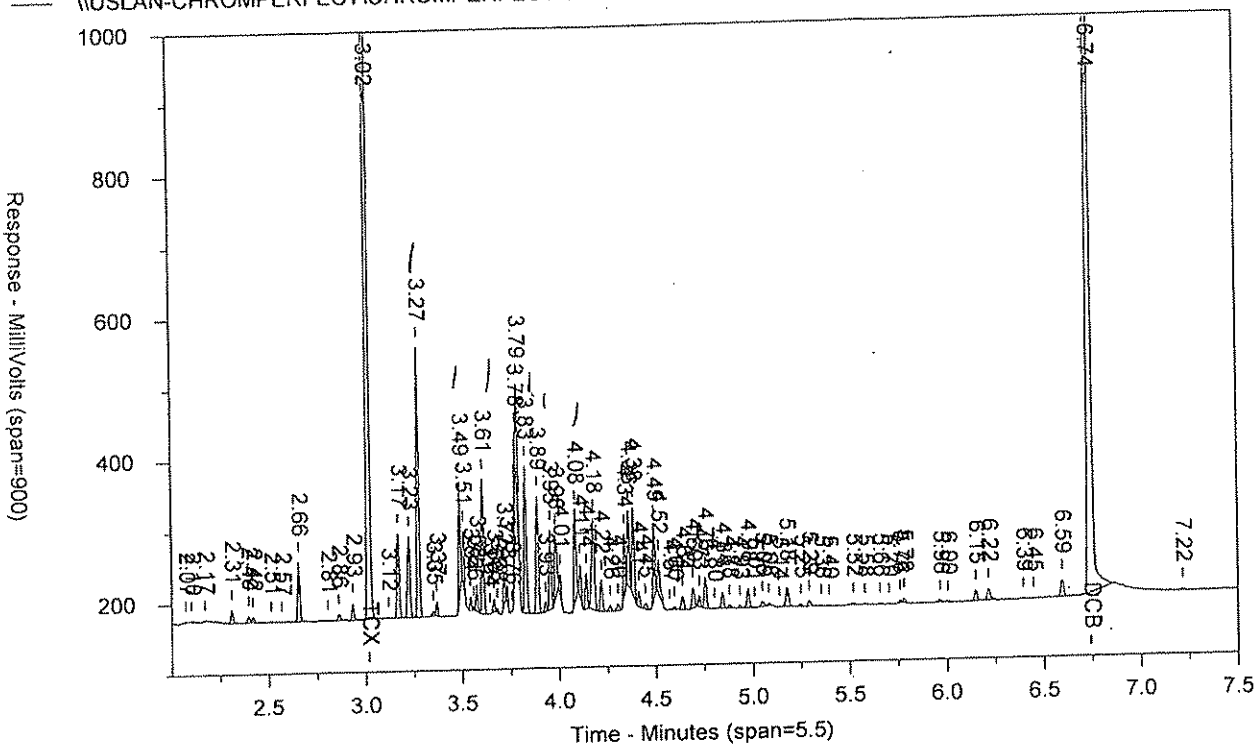

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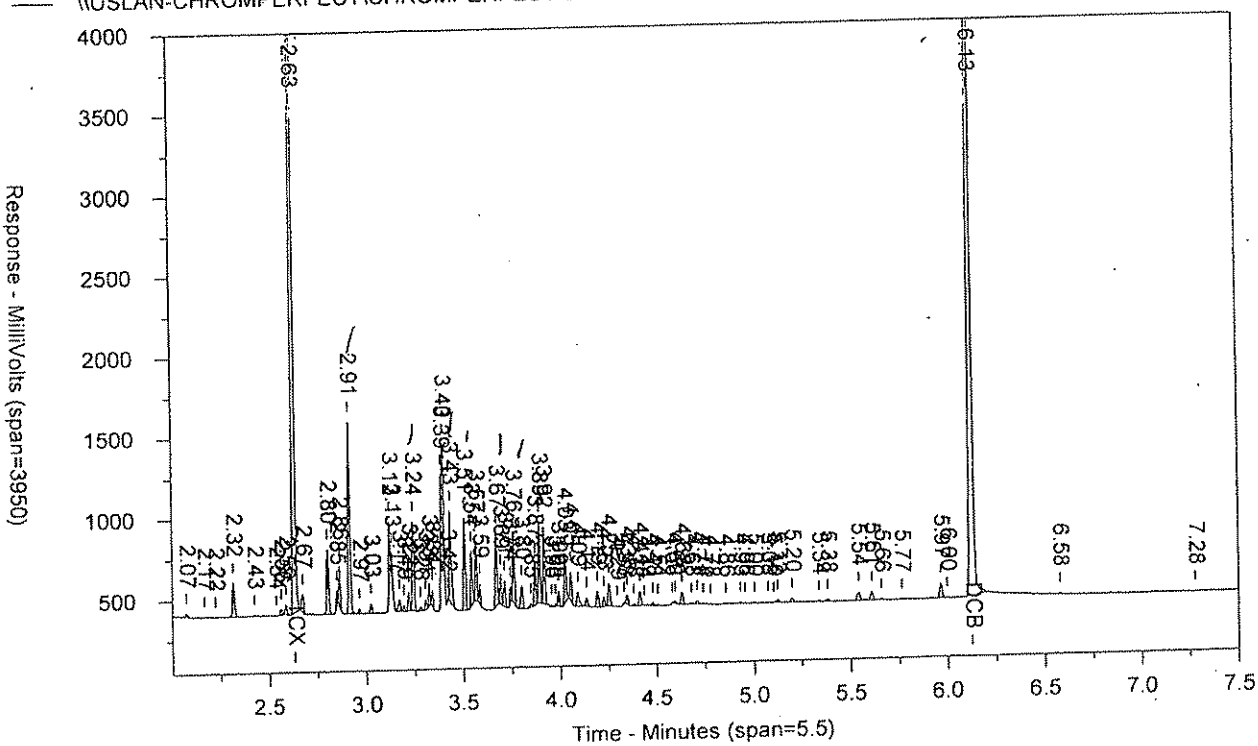

LANCASTER LABORATORIES

Sample Number: AR3231624D AAAR323AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:12:56 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	4082182	39.741	TCX	2.631	12271480	38.073	TCX
6.741	2158201	37.051	DCB	6.125	9087431	36.448	DCB

Files:
Area File: 20pcbs16257001.0025.RAW
Area File: 20pcbs16257001B.0025.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 9:21:39 PM
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AR3231624D AAAR323AA ICAL 1625699999 10736 SW-846 8082

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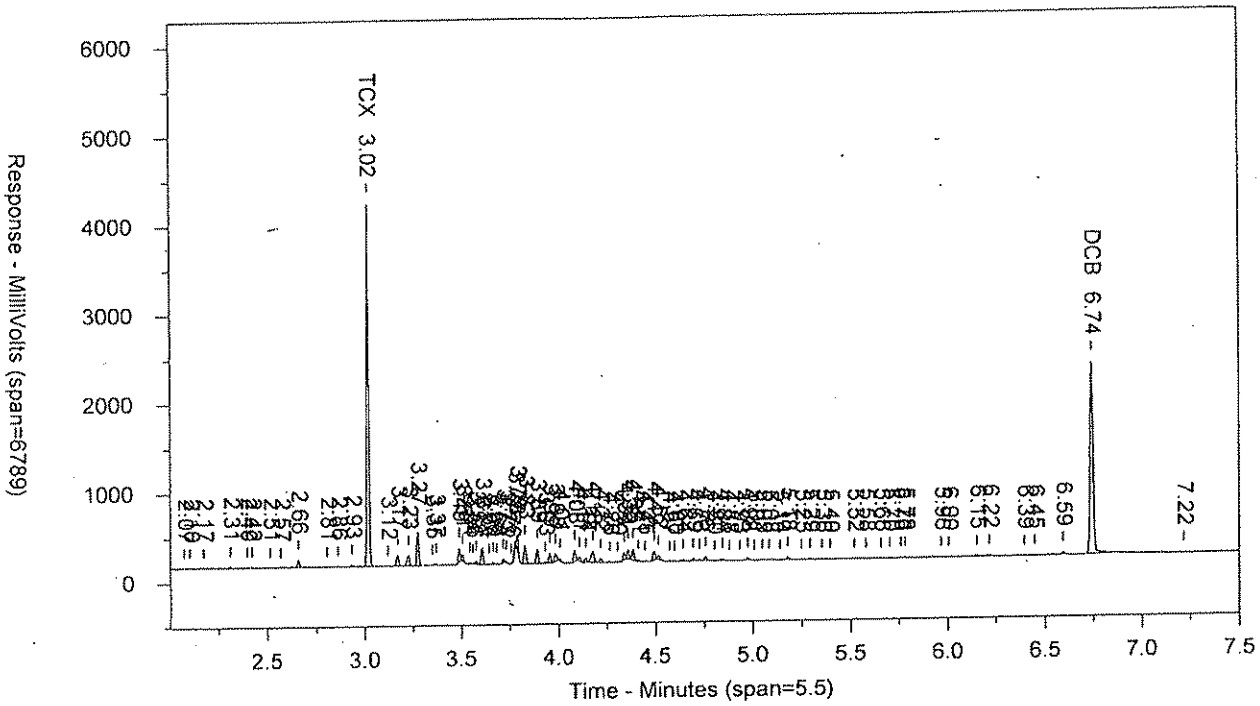

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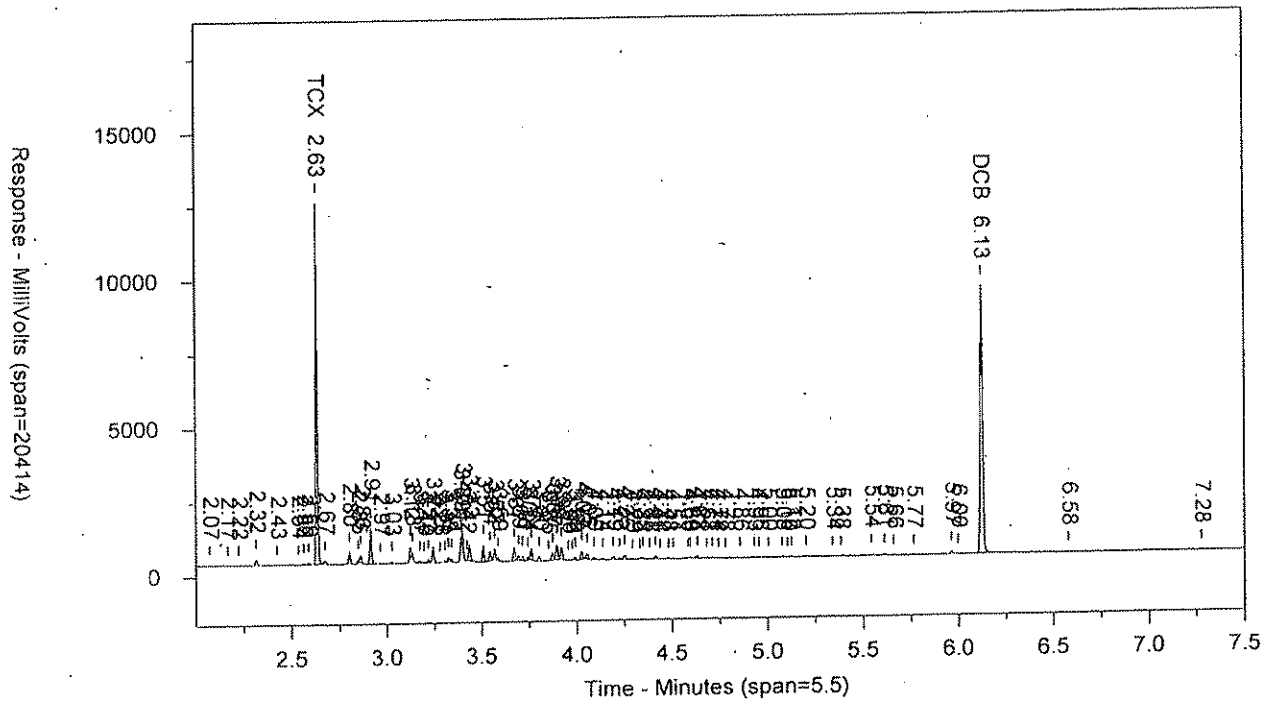

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:24:26 PM Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0026.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.075		1569	1748
2.103		2132	5763
2.172		4143	11362
2.228		3028	5586
2.31		17600	12724
2.398		10552	6834
2.421		6665	4391
2.512		859	650
2.658		5535	4190
2.861		2218	1788
2.935		2042	2634
3.017	TCX	3821858	2514972
3.127		5220	4120
3.169		52357	45111
3.225		69339	71960
3.274		259456	182832
3.35		6335	3403
3.368		31423	20904
3.406		973	550
3.49		253981	156194
3.507		113336	62184
3.544		32219	18519
3.56		10242	4264
3.577		21417	12183
3.607		311597	225696
3.643		1775	1012
3.664		17631	10339
3.681		11847	6282
3.717		65869	39271
3.733		33652	16640
3.758		3364	1638
3.778		161412	87258
3.79		268053	143235
3.828		340300	269089
3.89		272640	216966
3.931		25366	17095
3.957		200953	147189
3.984		156847	129836
4.006		46100	26626
4.084		225422	167320
4.11		84266	55885
4.141		92717	68745
4.178		213232	234937
4.219		76811	63525
4.265		15249	11384
4.306		20138	17494
4.34		153336	107722
4.361		194826	126953
4.385		213447	163332
4.413		18998	13715
4.451		17067	18865
4.494		178729	148103
4.517		80076	76175
4.574		2438	1922

RT A	Compound A	Height A	Area A
4.598		8234	6324
4.642		43078	38116
4.695		61141	53992
4.727		37558	28084
4.758		96041	82946
4.8		2093	1562
4.845		46286	40923
4.883		3547	2589
4.934		10129	9164
4.978		66540	62618
5.01		976	550
5.054		10517	12874
5.086		6140	3984
5.105		4356	2951
5.138		535	295
5.18		62649	60495
5.223		1962	1523
5.251		3897	4244
5.295		17403	15325
5.506		6624	7203
5.663		2056	1913
5.705		3759	3205
5.732		995	627
5.781		6720	8000
5.968		1893	3043
6.153		13723	13644
6.217		14201	15029
6.391		3871	12188
6.598		21133	22376
6.744	DCB	1957847	2105679
7.222		1956	2171
7.606		593	439
8.562		630	1254

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:24:26 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0026.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		19093	16285
2.162		4027	7347
2.282		1724	1875
2.317		15486	11700
2.379		1282	801
2.424		3964	2739
2.51		4035	2270
2.533		2025	1550
2.562		9587	6763
2.588		5016	4191
2.631	TCX	11463070	6863256
2.674		59971	39177
2.716		2430	2774
2.801		172044	116795
2.849		89532	43451
2.862		115434	58217
2.914		785348	487071
2.964		29745	18027
3.025		95012	62662
3.121		931081	908051
3.172		112007	70411
3.194		54656	31516
3.219		70319	37719
3.243		895473	601905
3.28		40256	23832
3.307		54510	26982
3.326		213371	111235
3.341		157128	77583
3.391		534282	245394
3.401		959186	403007
3.422		26237	10600
3.435		903241	610905
3.509		945661	592631
3.544		593891	382800
3.567		711593	392058
3.586		221216	114448
3.671		798717	532795
3.694		312892	168536
3.715		286861	171733
3.745		185620	94906
3.762		693240	413226
3.803		245115	189245
3.85		48400	34703
3.872		457527	286188
3.894		946205	584081
3.919		776556	481082
3.938		33155	15446
3.957		37328	20153
3.978		12973	6430
3.992		182637	121864
4.027		510427	369408
4.055		337660	200737
4.09		88518	86751
4.137		130011	94668

RT B	Compound B	Height B	Area B
4.194		208364	162740
4.226		126913	90236
4.254		308381	222252
4.292		5222	5334
4.332		14533	7701
4.348		103901	73048
4.383		34589	25212
4.415		199750	155202
4.438		5125	2615
4.482		23816	16469
4.508		20418	14409
4.581		20268	13853
4.598		10837	5822
4.633		188531	146245
4.658		2234	911
4.712		59585	56287
4.76		6571	5687
4.854		2241	1742
4.9		3905	3192
4.935		2375	1619
4.957		21373	17381
5.003		3229	3475
5.079		6015	4171
5.105		11937	8142
5.128		3080	1902
5.201		23963	24632
5.342		2199	1288
5.385		5432	5345
5.544		49201	43170
5.611		66728	63505
5.662		17925	32104
5.731		997	2700
5.921		2210	2064
5.967		77970	68156
5.998		2544	2040
6.087		1502	701
6.127	DCB	8561074	7503942
6.232		3724	2649
6.58		7851	7674
8.239		5752	10450

AR4231624A AAAR423AA ICAL 1625699999 10736 SW-846 8082

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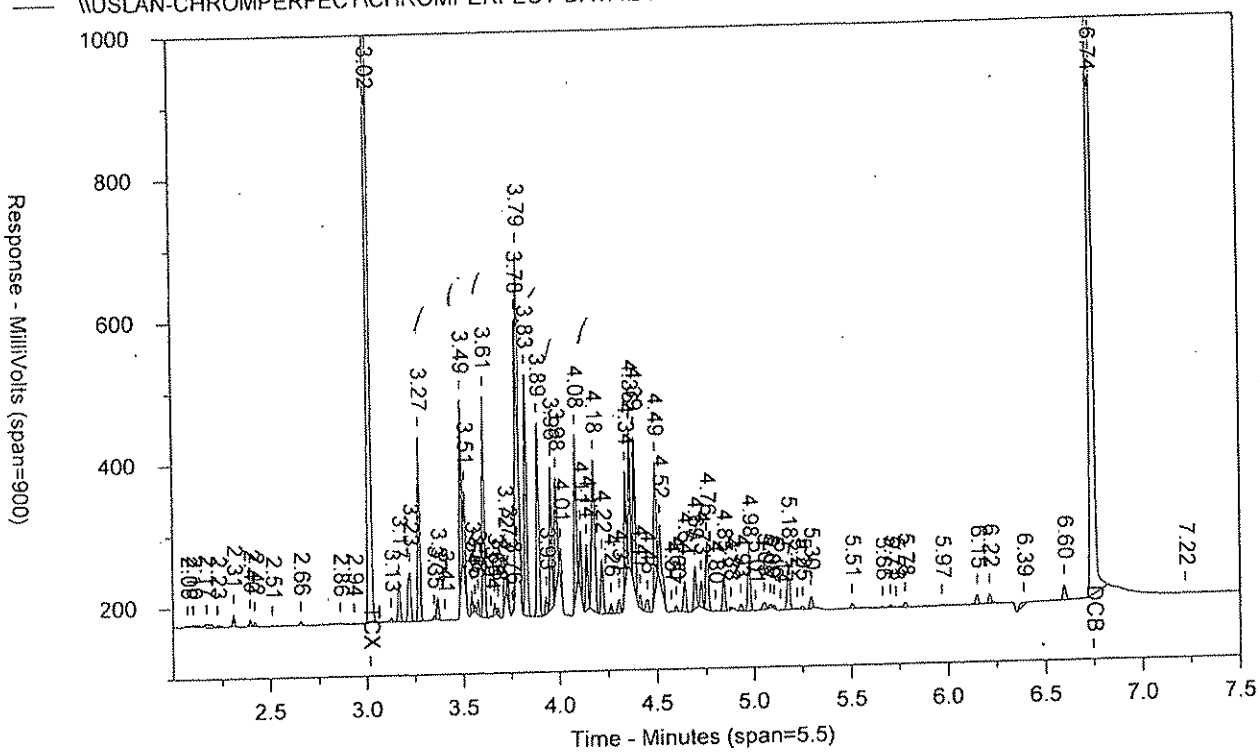

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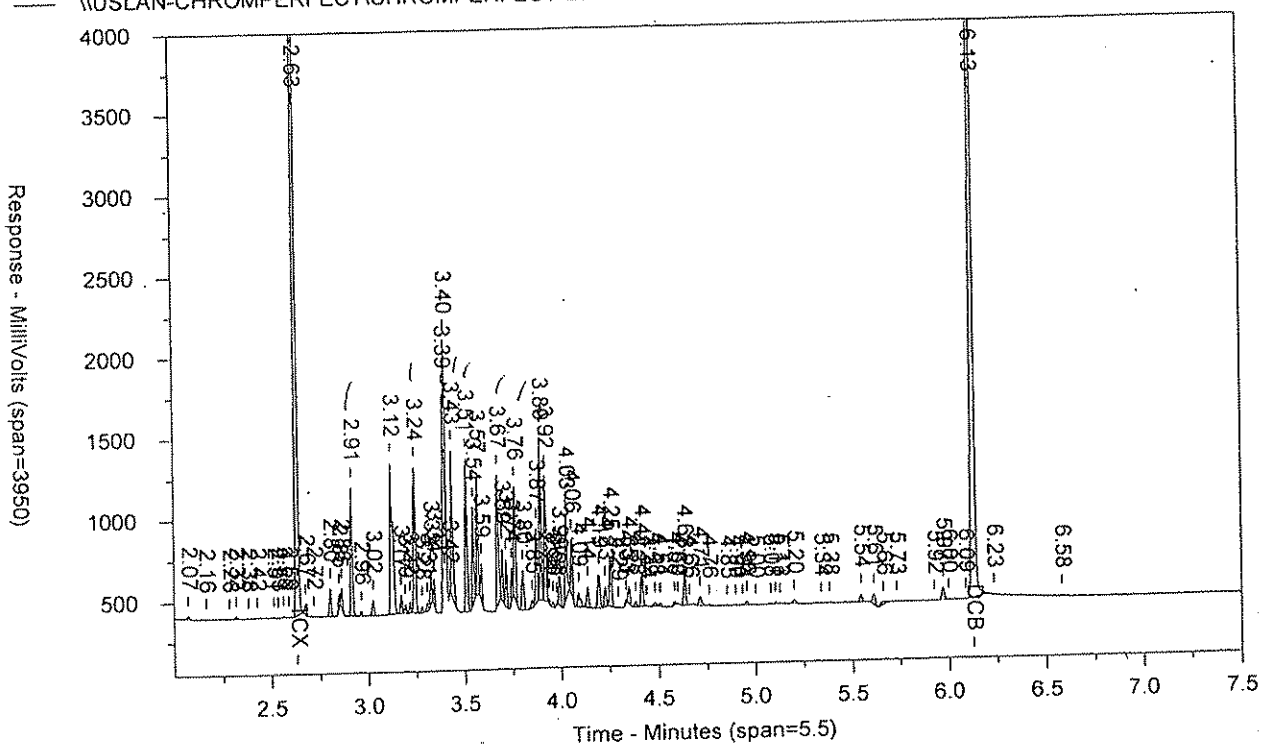

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:24:26 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	3821858	37.207	TCX	2.631	11463070	35.565	TCX
6.744	1957847	33.611	DCB	6.127	8561074	34.337	DCB

Files:
Area File: 20pcbs16257001.0026.RAW
Area File: 20pcbs16257001B.0026.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 9:33:09 PM
File Reported On: 9/13/2016 at 9:33:15 PM

AR4231624A AAAR423AA ICAL 1625699999 10736 SW-846 8082

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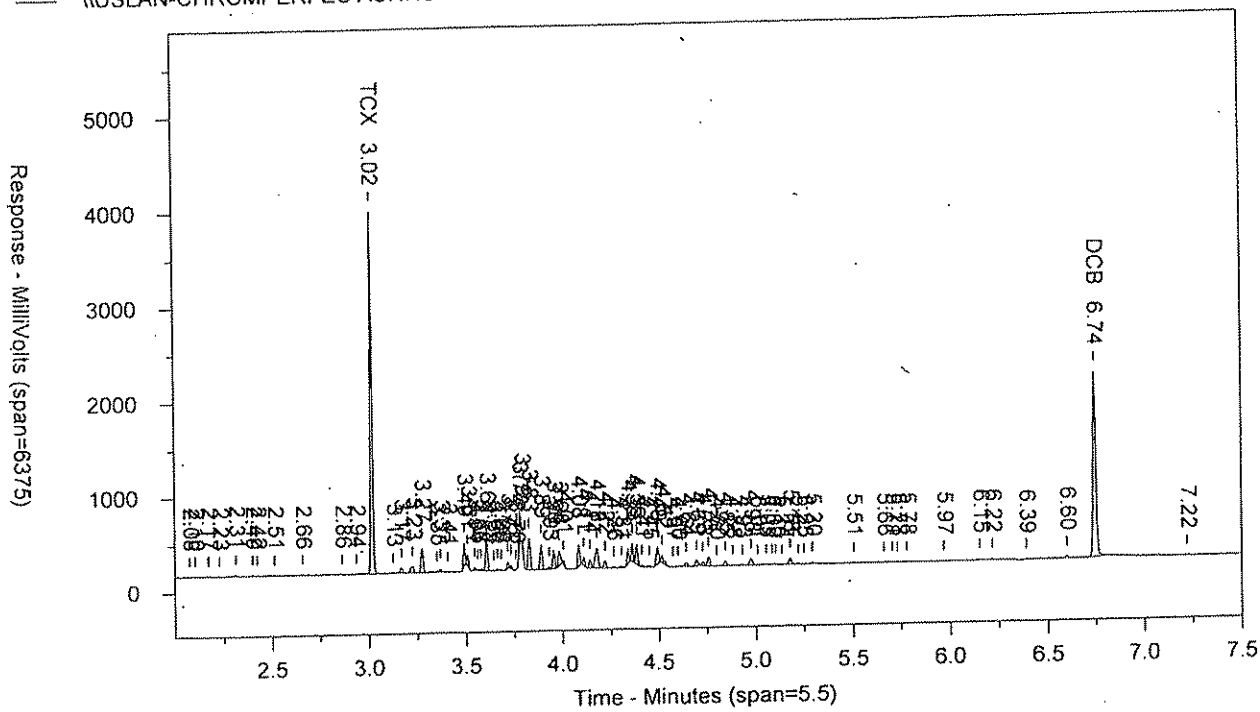

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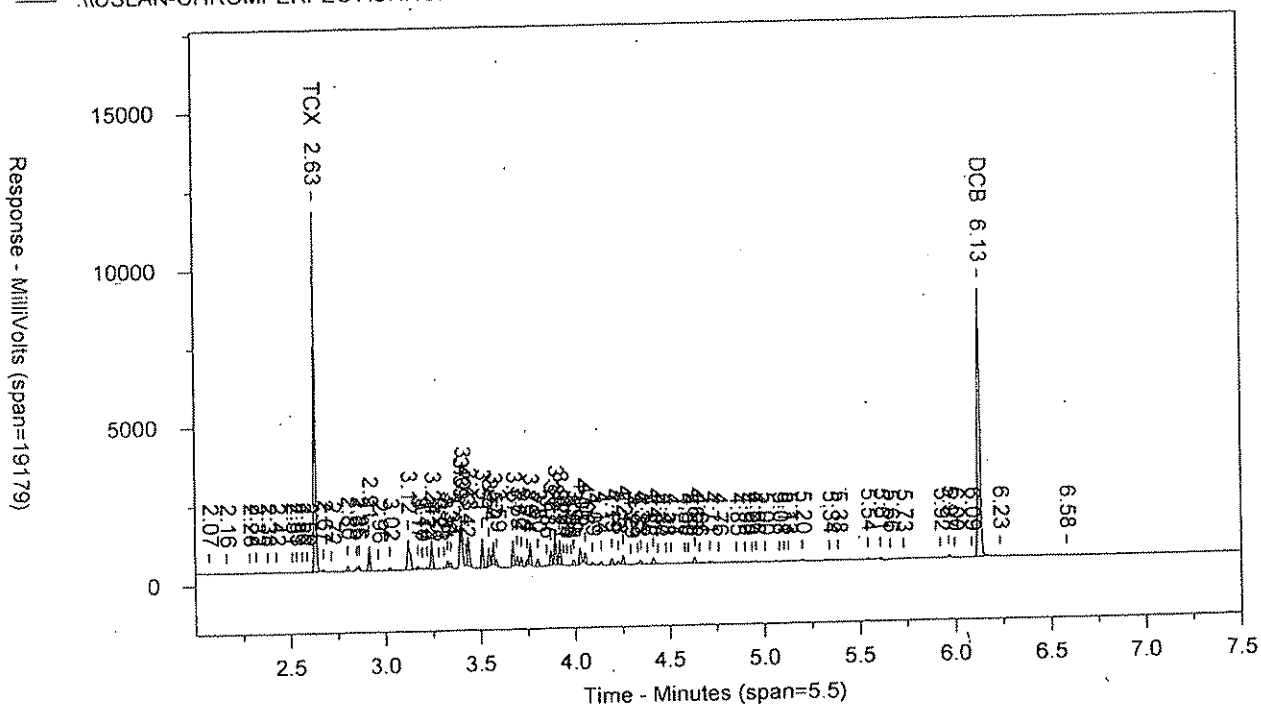

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:35:56 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: 20pcbs16257001.0027.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.074		1341	2244
2.116		555	790
2.174		2313	5347
2.311		20035	14578
2.399		5319	3523
2.422		7955	5495
2.516		1202	1530
2.658		6247	4516
2.862		8981	7429
2.92		1862	944
3.017	TCX	4283053	2887767
3.12		2062	1624
3.168		67493	58597
3.224		86409	87820
3.274		340325	239587
3.349		6914	3686
3.368		43752	28595
3.399		2570	2129
3.489		342527	211483
3.507		161278	88125
3.544		42843	25366
3.56		13461	5775
3.577		29240	16633
3.607		408672	305021
3.641		2252	1128
3.663		20654	11922
3.68		11047	6029
3.716		92500	54346
3.731		42784	21988
3.777		201317	116958
3.788		375677	192124
3.827		440715	359160
3.89		372699	297308
3.93		35100	23583
3.955		264594	195008
3.983		202185	170713
4.006		62269	34748
4.084		295357	225378
4.109		103957	68658
4.14		118461	91191
4.177		289817	305183
4.218		99623	83916
4.264		13157	10271
4.304		16782	15195
4.339		104168	77114
4.36		89465	59601
4.385		77324	57679
4.412		21629	16618
4.45		2771	2726
4.492		28489	24340
4.515		4189	3056
4.641		1237	1334
4.693		1229	1109
4.758		1182	1236

RT A	Compound A	Height A	Area A
5.05		6643	7969
5.178		1504	2315
5.231		5297	4185
5.589		713	711
5.66		2338	2364
5.782		7987	8342
5.931		900	1715
6.151		15315	14744
6.216		15104	17318
6.422		3832	27372
6.595		23592	24114
6.742	DCB	2290566	2398043
7.221		2085	2558
7.746		801	1959

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:35:56 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: 20pcbs16257001B.0027.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.071		22685	19250
2.165		3983	7276
2.22		3003	4350
2.317		17870	14484
2.425		2831	1796
2.531		2212	1630
2.561		40891	28910
2.588		3832	1929
2.63	TCX	13209890	7954856
2.674		82481	55410
2.719		2451	2326
2.801		218139	150335
2.831		2438	1024
2.848		120243	54098
2.862		161910	83899
2.913		1045675	646431
2.964		32426	18658
3.024		131720	83174
3.12		1267494	1229739
3.172		155040	94859
3.193		73140	40633
3.218		92740	51651
3.242		1273435	828059
3.279		43556	25824
3.307		61737	31905
3.325		303314	157381
3.34		181437	92636
3.369		2801	1440
3.39		714307	307492
3.4		1282569	566121
3.421		40319	15492
3.434		1250931	816707
3.508		1326069	831727
3.543		838756	521862
3.567		965866	535178
3.585		306671	158747
3.67		1114515	718835
3.693		422262	235655
3.714		394773	232654
3.743		242978	121821
3.76		882466	535724
3.802		326420	240500
3.85		37936	33689
3.871		243251	148181
3.894		512209	332359
3.918		241997	145535
3.938		34806	17678
3.956		7574	3739
3.976		2973	1033
3.991		21306	13016
4.027		28800	16004
4.041		22112	10185
4.09		86661	75791
4.191		3652	3264

RT B	Compound B	Height B	Area B
4.225		4462	3821
4.252		4542	3124
4.349		2415	2104
4.413		4054	2941
4.454		4482	3394
4.509		2559	1956
4.597		23029	21043
4.633		3772	2986
4.684		9748	7616
4.713		2843	2466
4.779		24289	18403
5.077		6859	5716
5.129		2490	5243
5.2		26658	26168
5.339		1641	3955
5.544		53457	48139
5.611		69680	70866
5.662		14598	24611
5.968		90571	76426
6.127	DCB	9864883	8649631
6.293		2003	1906
6.583		9055	8200
7.827		1118	1467
8.24		5086	8485

AR16XX1624B AAAR16XAA ICAL 1625699999 10736 SW-846 8082

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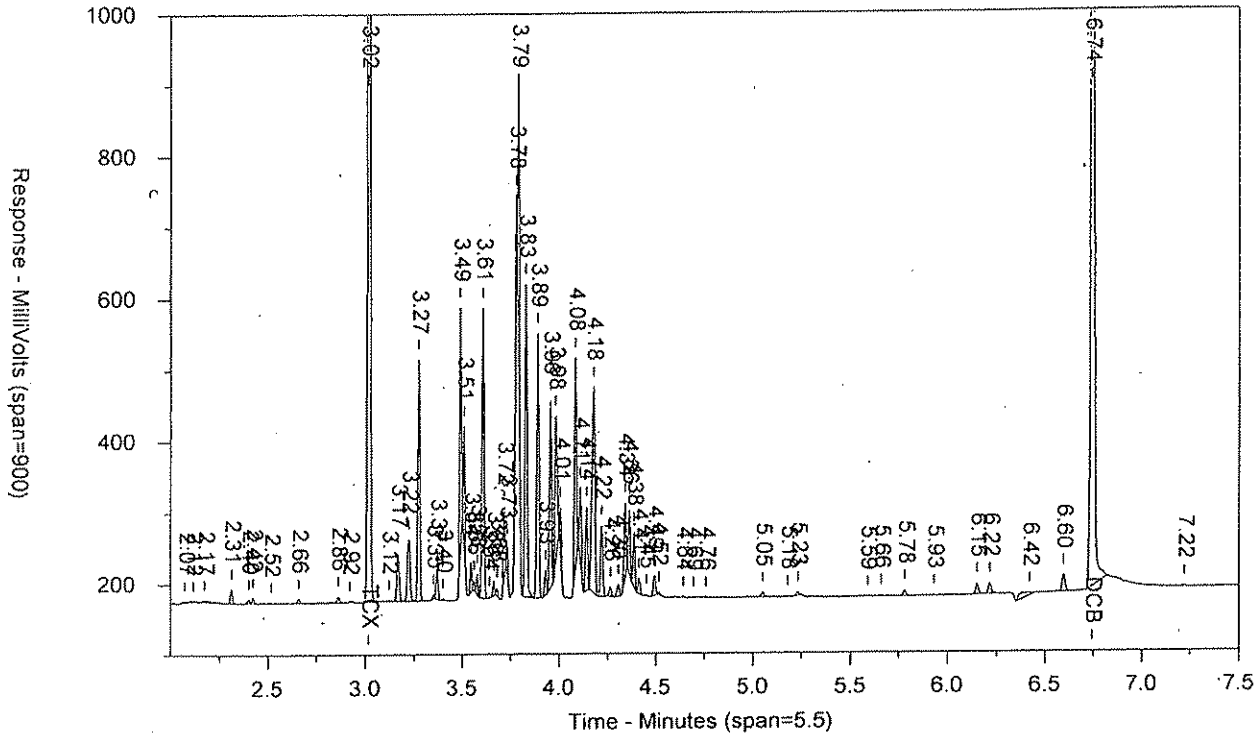

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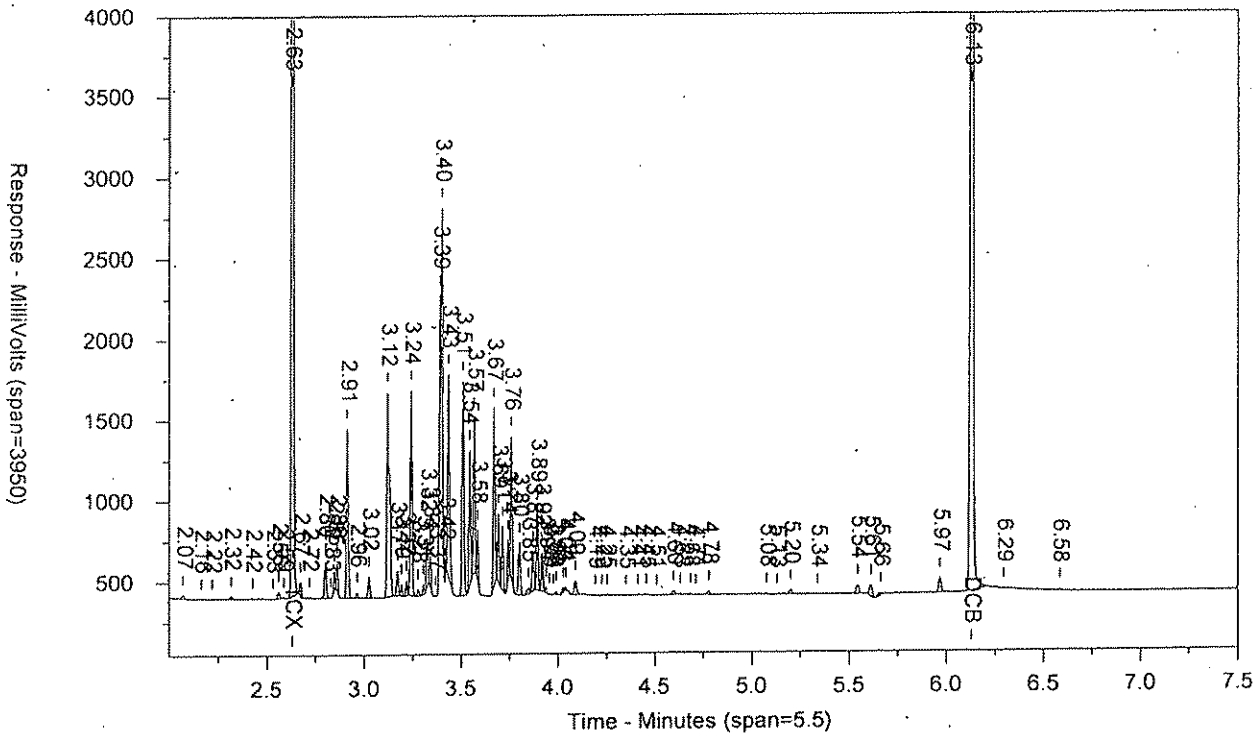

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:35:56 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	4283053	41.697	TCX	2.63	13209890	40.985	TCX
6.742	2290566	39.323	DCB	6.127	9864883	39.566	DCB

Files:
Area File: 20pcbs16257001.0027.RAW
Area File: 20pcbs16257001B.0027.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 9:44:40 PM
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AR16XX1624B AAAR16XAA ICAL 1625699999 10736 SW-846 8082

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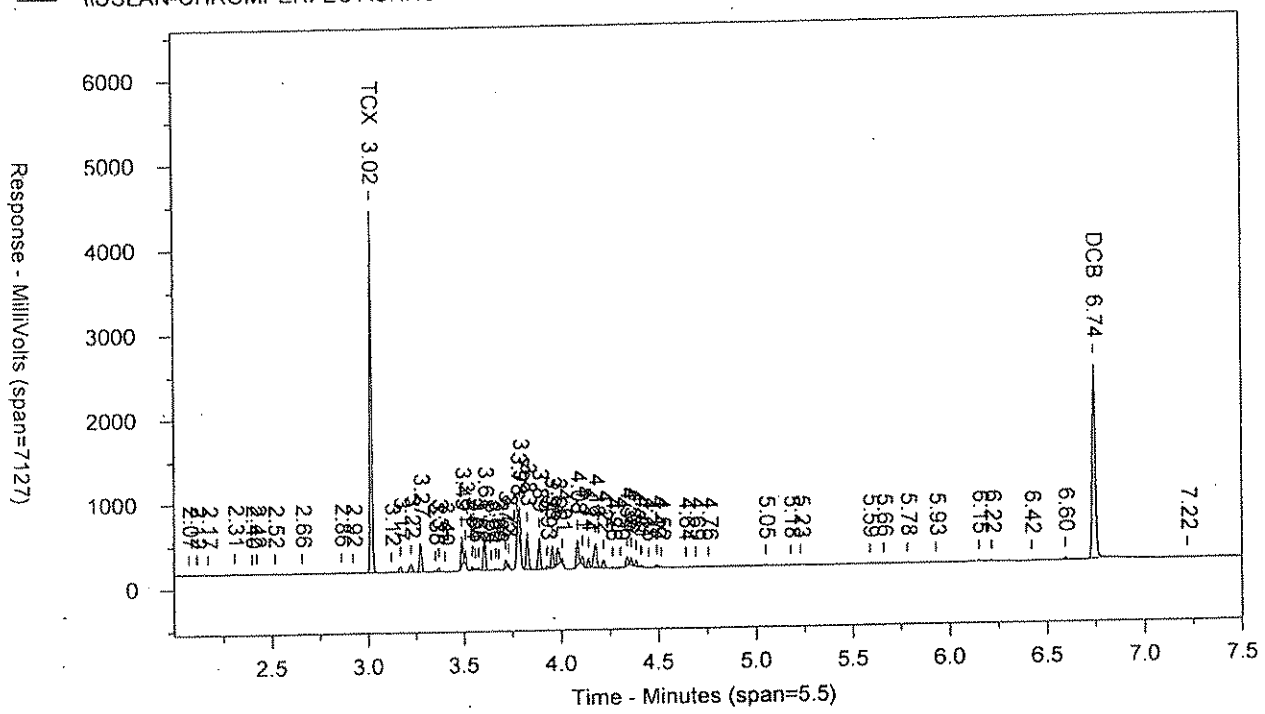

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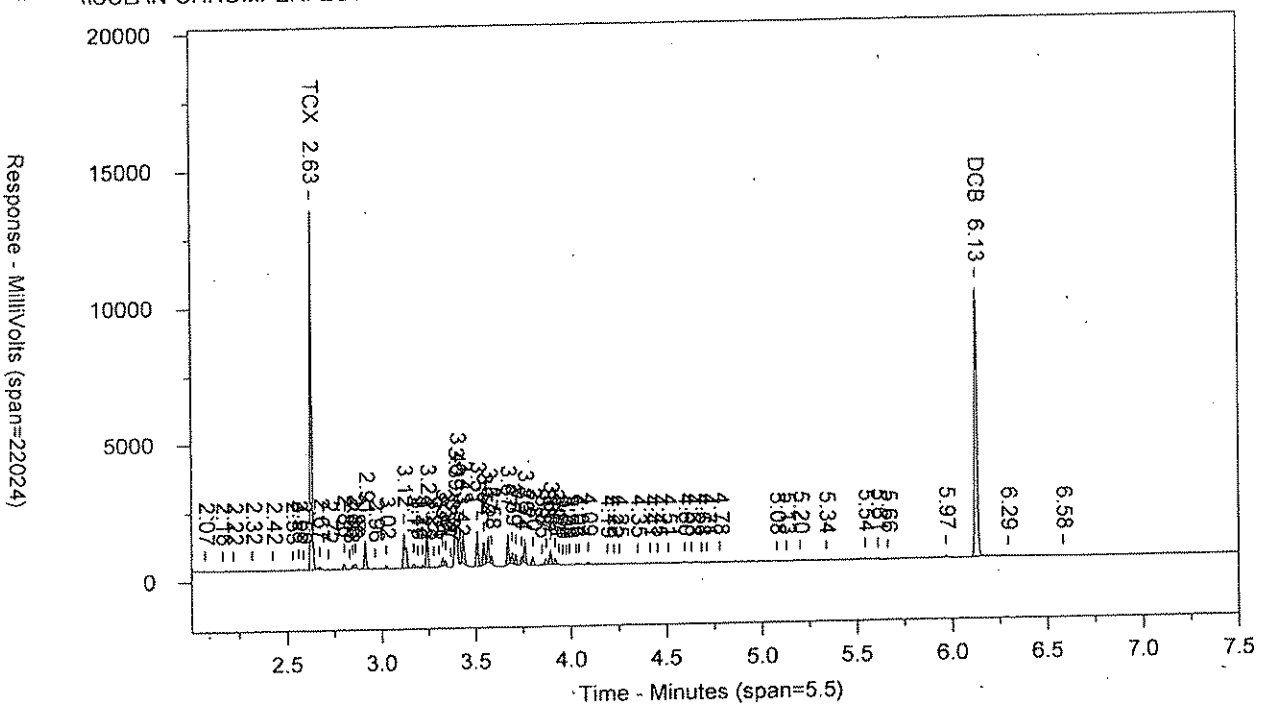

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:47:19 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: 20pcbs16257001.0028.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.079		1419	2793
2.173		8788	41920
2.398		9293	7125
2.462		856953	774989
2.604		1589	1050
2.706		1603	1340
2.788		2096	1253
2.863		7978	6015
2.886		3394	1880
3.017	TCX	90684	63527
3.064		1115	426
3.08		2233	1147
3.127		4579	3027
3.167		3881	3429
3.225		5109	4768
3.274		23936	18911
3.371		4238	3231
3.489		28893	18949
3.506		8999	4303
3.543		2792	1476
3.577		2029	1266
3.605		43910	31787
3.641		1136	1064
3.671		15075	10523
3.716		6412	3788
3.754		1892	1027
3.776		14728	8313
3.787		21813	12060
3.826		29623	24334
3.888		25015	19971
3.929		2660	1928
3.955		19535	13654
3.983		14296	12403
4.005		4005	2017
4.042		54838	42572
4.083		21294	15280
4.108		6667	4136
4.139		7011	4805
4.176		18733	20059
4.217		5481	4511
4.259		1381	1006
4.293		882	1200
4.338		20462	14949
4.358		5396	3096
4.384		3105	2005
4.411		24298	20371
4.45		2265	2101
4.496		21143	18422
4.564		1673	1756
4.643		1805	2016
4.693		1773	1210
4.709		4632	3244
4.763		203351	173869
4.802		18184	20283

RT A	Compound A	Height A	Area A
4.84		3620	2692
4.881		43831	40674
4.944		67201	55975
4.972		3412	2811
5.032		3945	3142
5.049		3655	2580
5.084		40238	34244
5.135		9323	7662
5.177		22512	25229
5.254		3612	4173
5.293		52306	50542
5.355		29602	27017
5.398		17565	16403
5.519		33690	43442
5.579		17392	15744
5.618		8207	7112
5.657		1821	1871
5.703		10080	9809
5.757		70930	74051
5.909		1198	1111
5.963		42903	44887
6.002		5185	4694
6.144		5588	5686
6.181		1726	1434
6.211		1526	1093
6.235		8378	7292
6.392		25820	46126
6.441		1412	2957
6.593		5385	5332
6.652		6938	7860
6.74	DCB	69082	70325
7.369		777	658
7.841		2875	4377

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:47:19 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: 20pcbs16257001B.0028.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.021		6717	14453
2.173		1780	1111
2.213		972692	1465883
2.434		7500	7074
2.505		6409	4663
2.538		10738	7424
2.562		35052	27571
2.63	TCX	262128	163878
2.674		4693	3623
2.756		3813	2074
2.801		13056	16702
2.859		20338	17841
2.914		68830	43343
2.993		2592	1782
3.026		13306	10246
3.1		5990	2985
3.12		88316	90114
3.171		11966	9995
3.193		7494	4767
3.218		4852	2052
3.242		84931	74426
3.295		50358	33006
3.325		17692	9168
3.34		22265	11622
3.37		1916	902
3.39		52036	23886
3.4		71996	31745
3.434		89180	67380
3.508		83320	51220
3.543		63822	39637
3.567		67060	37229
3.584		19312	9743
3.67		70940	44762
3.693		30309	16545
3.713		23114	12194
3.738		153653	95283
3.759		57161	33703
3.801		20521	14474
3.838		5448	5813
3.87		14757	8442
3.892		82205	54566
3.917		16087	9535
3.955		9929	7302
3.991		67056	45494
4.026		2910	2055
4.045		5805	5004
4.09		90801	88141
4.191		16431	12634
4.235		15760	9114
4.253		15197	6683
4.266		43584	24409
4.291		26585	26059
4.344		144686	111551
4.405		670952	456570

RT B	Compound B	Height B	Area B
4.438		31354	22691
4.48		165114	126359
4.508		2116	1553
4.583		123000	116513
4.616		202075	133560
4.636		7619	3990
4.674		36497	32592
4.71		154453	128707
4.743		85071	60940
4.781		57813	43682
4.854		1635	902
4.881		18845	18270
4.932		106145	84801
4.956		12078	7734
5.006		56434	51527
5.042		27805	21649
5.071		21577	18408
5.125		231043	217616
5.166		7001	5472
5.199		8620	7692
5.319		2966	2033
5.341		53471	44046
5.386		155381	166445
5.539		5668	7668
5.587		5037	4409
5.607		20011	27404
5.66		46476	70427
5.766		68676	58591
5.809		19504	19927
5.936		4923	10794
5.965		39591	33461
6.044		11755	31533
6.126	DCB	253444	226981
7.007		3531	4027
7.21		2342	2995
8.237		4683	7948

MD16X1624B AAMD16XAA ICAL 1625699999 10736 SW-846 8082

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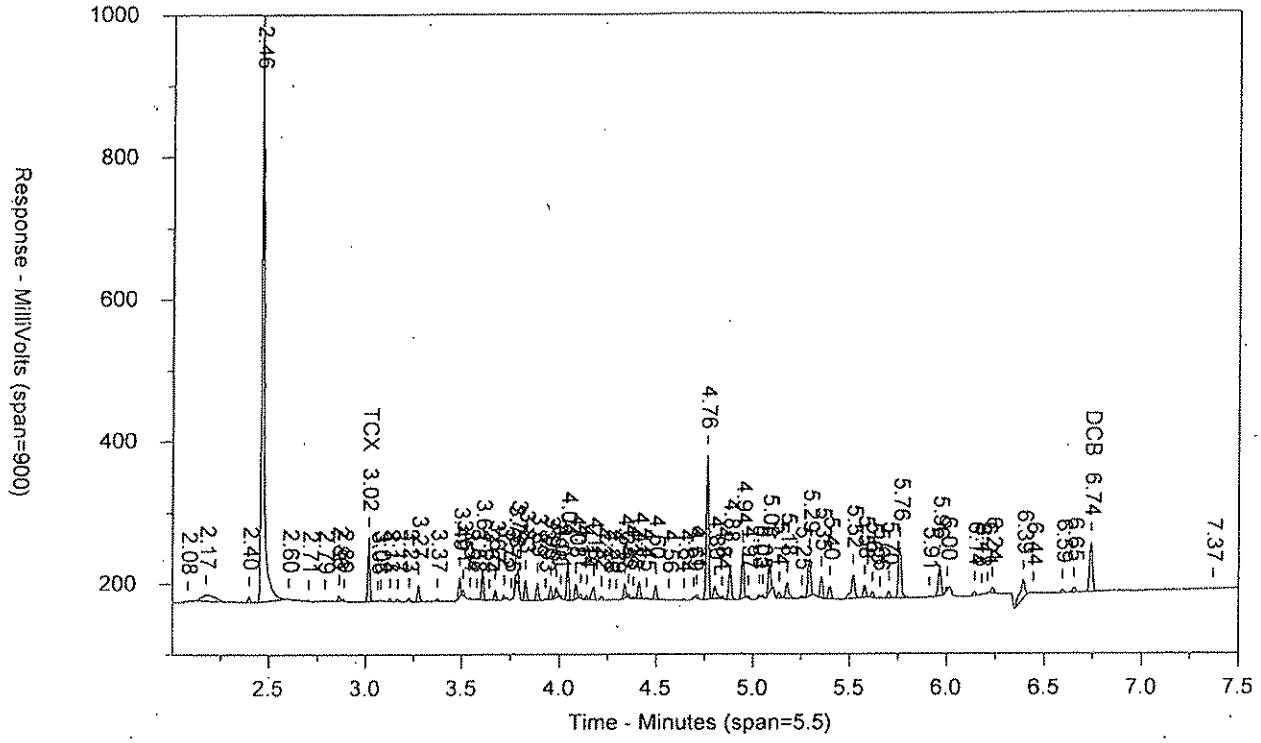

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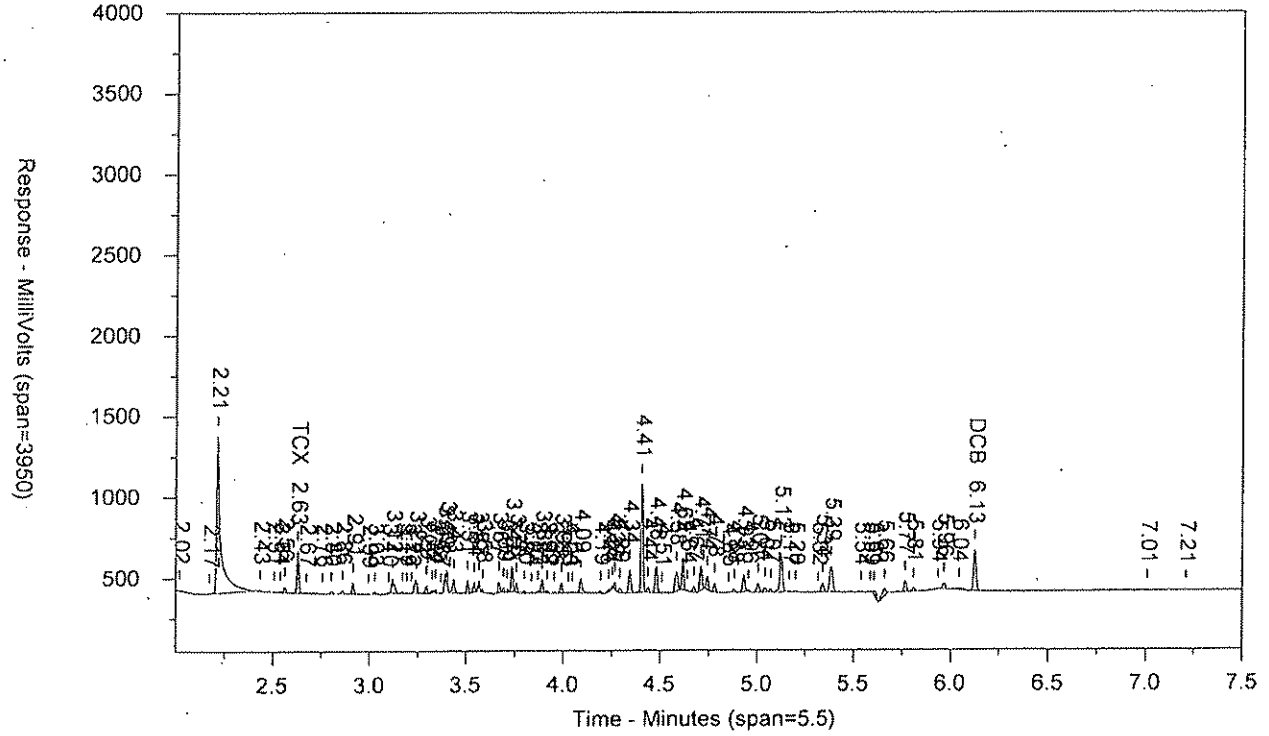

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:47:19 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
3.017	90684	.883	TCX	2.63	262128	.813	TCX
6.74	69082	1.186	DCB	6.126	253444	1.017	DCB

Files:
Area File: 20pcbs16257001.0028.RAW
Area File: 20pcbs16257001B.0028.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 9:56:03 PM
File Reported On: 9/13/2016 at 9:56:09 PM

MD16X1624B AAMD16XAA ICAL 1625699999 10736 SW-846 8082

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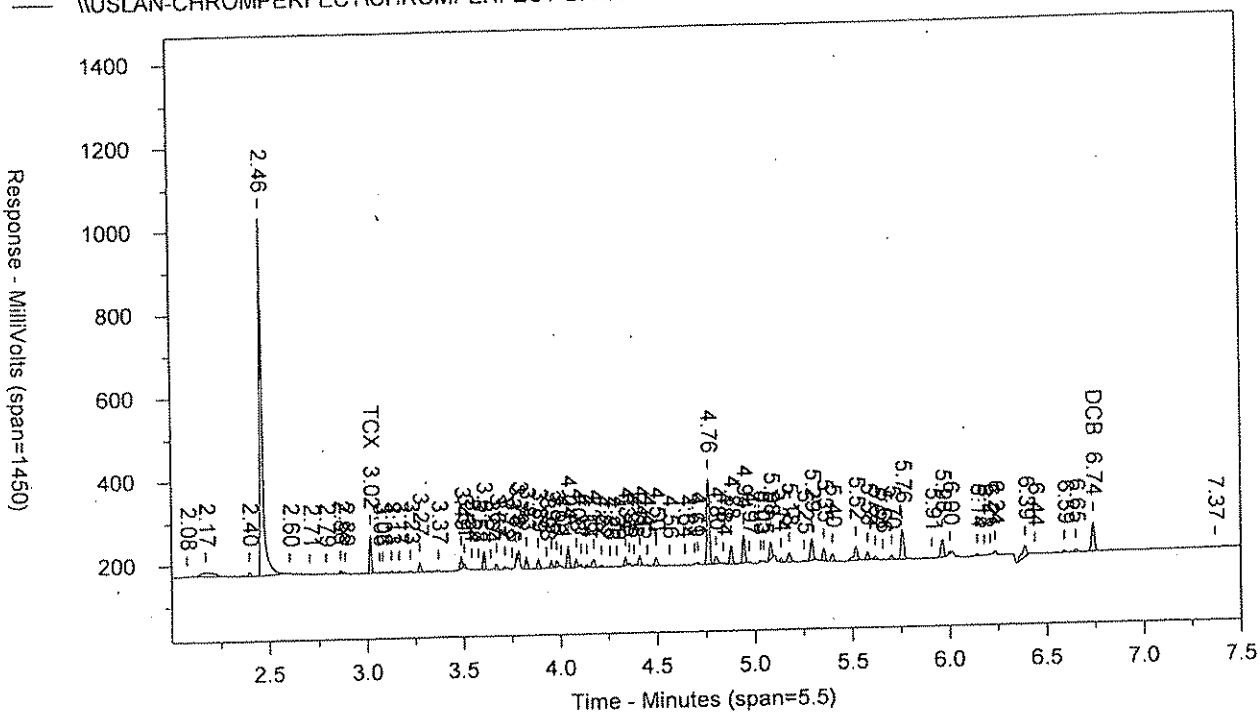

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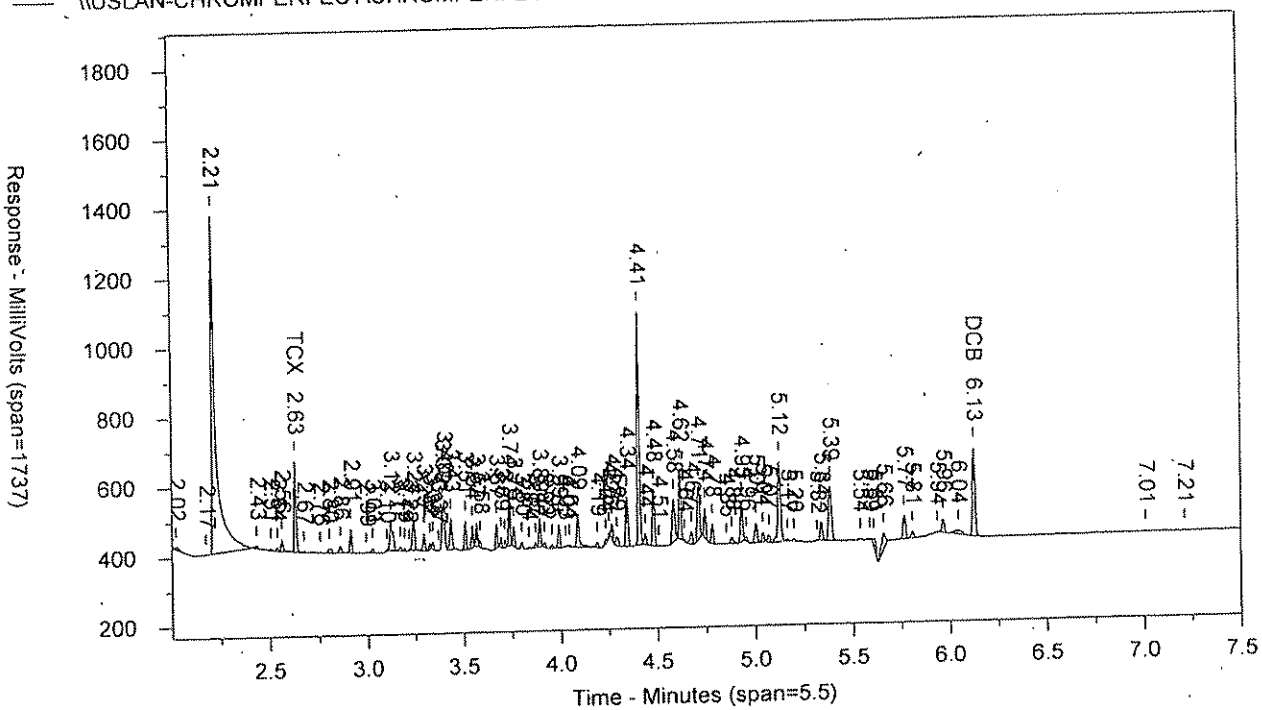

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:58:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0029.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.078		1536	2740
2.174		692	780
2.227		1453	2312
2.311		18727	13832
2.399		5000	3295
2.422		6906	4647
2.516		1126	1122
2.658		6493	5549
2.862		2277	1947
2.936		3561	6966
3.017	TCX	3978550	2604195
3.12		1671	1009
3.168		64861	55724
3.225		83242	82104
3.274		326673	231738
3.349		6152	3040
3.368		43012	28766
3.488		346709	211007
3.505		158034	85844
3.543		45120	25845
3.559		13255	5847
3.576		27301	15049
3.606		401829	304876
3.64		2508	1419
3.662		19185	11423
3.679		12713	6931
3.715		87923	53854
3.73		43645	21642
3.776		207268	115359
3.788		371038	196649
3.826		452590	353571
3.888		372210	296350
3.928		34608	24007
3.954		289029	205412
3.982		200332	173757
4.004		63486	35700
4.082		292368	220014
4.108		101858	68005
4.139		113153	83428
4.176		224470	252101
4.216		75161	60907
4.262		6918	5453
4.302		8431	7202
4.338		232432	184293
4.359		32641	18031
4.383		41384	30490
4.41		21492	17764
4.451		40043	34354
4.495		272707	252815
4.53		6764	4193
4.595		2113	1773
4.638		23161	21391
4.694		16677	13136
4.709		74941	53586

RT A	Compound A	Height A	Area A
4.756		160953	143992
4.801		279510	319997
4.84		61430	47641
4.88		609176	579666
4.927		2362	2079
4.972		78259	91878
5.004		4988	3078
5.03		113053	108953
5.084		574291	471974
5.102		83581	49414
5.135		140708	130415
5.178		342902	376401
5.257		71255	82889
5.293		747127	717046
5.315		22617	12130
5.355		408560	383041
5.397		259005	250061
5.52		505888	667566
5.578		247207	231660
5.618		123342	108596
5.658		27576	25959
5.702		155257	151978
5.757		1175643	1170951
5.964		634630	667059
6.003		177620	347211
6.149		32357	30988
6.213		22454	17065
6.236		116180	103603
6.391		284471	283441
6.436		18988	18263
6.592		114452	119159
6.739	DCB	2156689	2210539
7.213		1826	2279

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:58:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0029.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.071		20811	16832
2.165		2817	3160
2.222		2861	4631
2.317		16956	14624
2.531		4338	2997
2.561		10702	7831
2.587		4308	3329
2.63	TCX	11997610	7227190
2.674		80109	52634
2.718		2275	2152
2.801		214255	146484
2.848		102500	48551
2.861		158697	80149
2.913		1000309	626653
2.964		30148	17140
3.024		131288	84008
3.12		1260142	1247573
3.171		148788	95274
3.193		73694	41340
3.218		89768	49619
3.242		1248282	833395
3.278		45820	27437
3.306		60951	30256
3.324		311837	156583
3.34		171958	83305
3.389		760246	320804
3.399		1228101	551973
3.42		43699	16848
3.433		1207206	814653
3.507		1326830	822479
3.542		902057	542441
3.565		973060	549617
3.584		305059	157777
3.669		1107836	720024
3.692		410111	222049
3.713		368446	212216
3.742		246464	127023
3.759		714751	423503
3.801		235649	170880
3.847		26472	25308
3.87		107505	63348
3.891		911810	594468
3.917		122551	73002
3.936		15893	7163
3.954		124528	78403
3.99		890661	614615
4.024		44658	26898
4.04		43894	30929
4.089		88760	71159
4.134		53865	49968
4.192		209847	154489
4.234		266049	156185
4.252		187893	90308
4.265		684348	404805

RT B	Compound B	Height B	Area B
4.291		405709	381223
4.343		2166454	1648028
4.391		29316	21869
4.412		144110	94531
4.437		469744	353092
4.479		2418840	1938824
4.582		2068076	1963561
4.636		238760	196532
4.674		548233	481004
4.71		2425351	2072339
4.742		1285190	907536
4.78		814008	672012
4.88		308773	300066
4.931		1708023	1332903
4.955		160180	102862
5.005		845562	790708
5.041		425804	330119
5.07		310412	256162
5.103		71512	44990
5.124		3772897	3221646
5.166		76328	57329
5.198		142413	114720
5.317		39752	25581
5.34		789422	663657
5.386		2545671	2717742
5.502		2325	1889
5.542		117987	104394
5.586		63286	48822
5.61		56609	44762
5.659		442085	403736
5.765		1029228	890476
5.797		57165	43661
5.965		422721	398876
6.081		1621	1526
6.125	DCB	8795278	8105883
6.304		7051	9822
6.578		7248	7617
6.955		1602	1284
8.233		5463	11672

IC16X1624B AAIC16XAA CCAL 1625699999 10736 SW-846 8082

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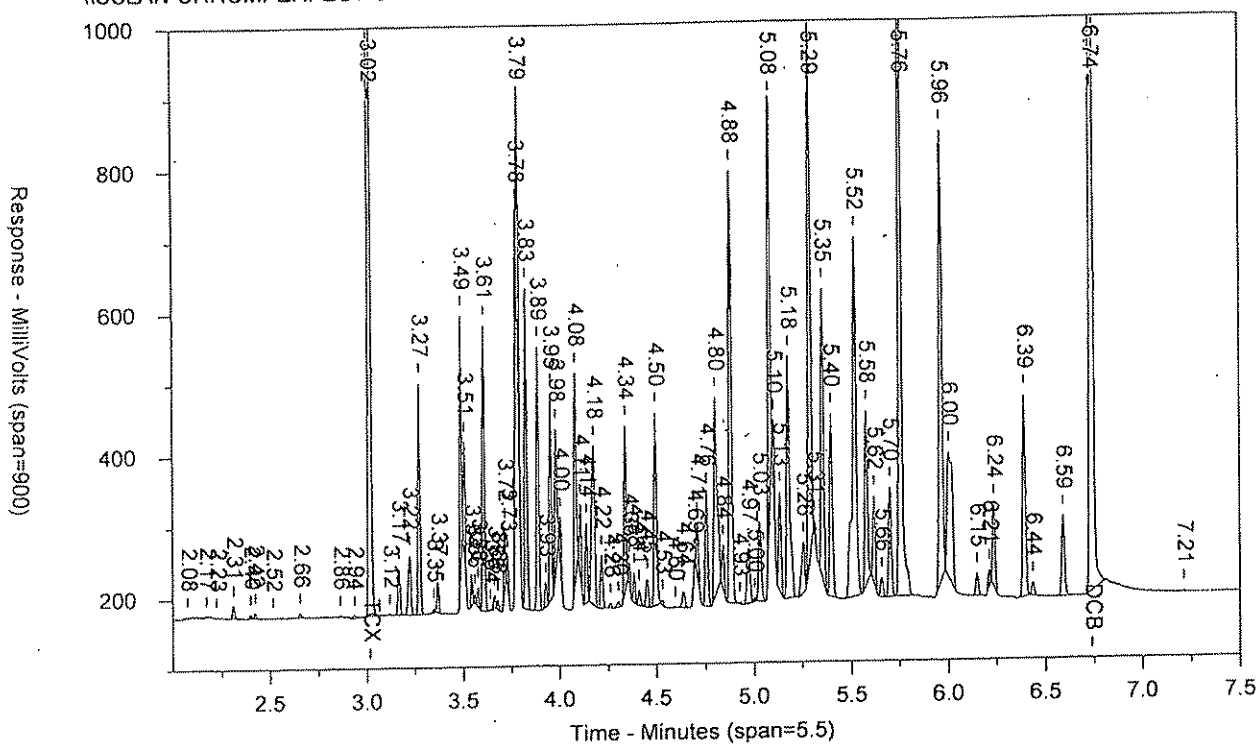

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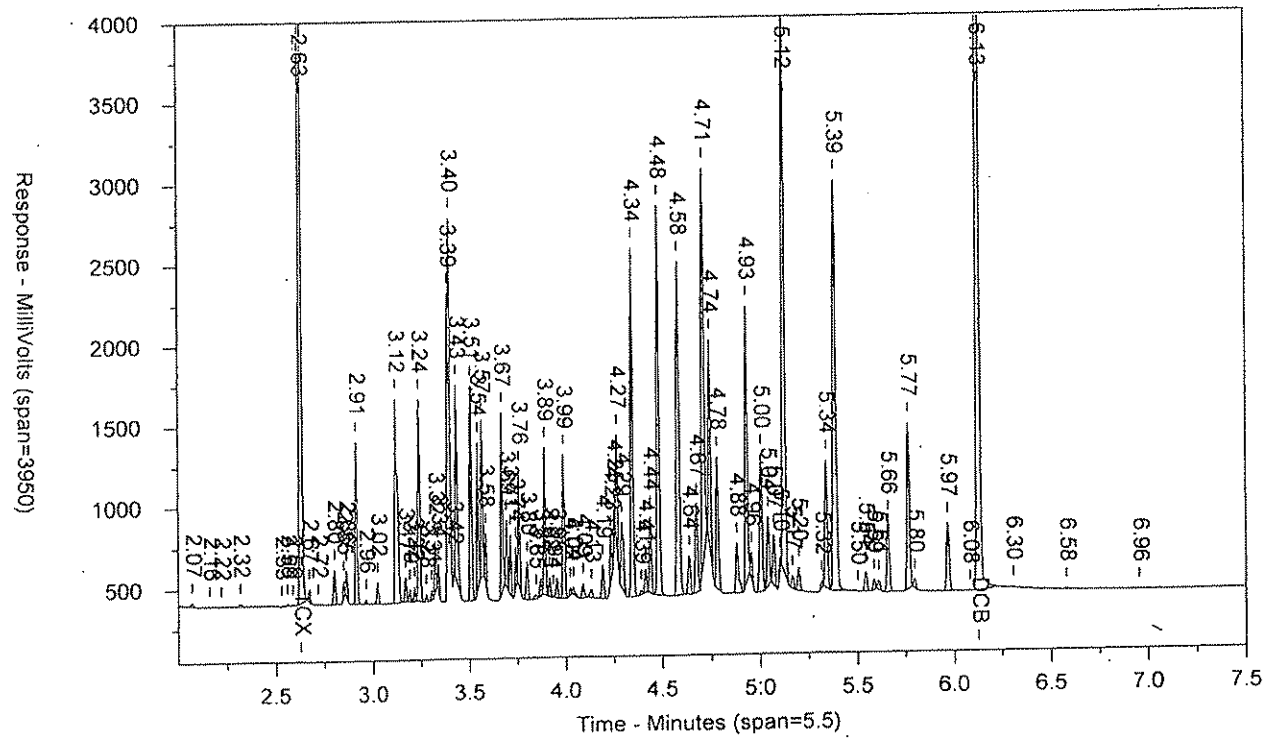

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 9:58:49 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	3978550	38.733	TCX	2.63	11997610	37.223	TCX
6.739	2156689	37.025	DCB	6.125	8795278	35.276	DCB

Files:
Area File: 20pcbs16257001.0029.RAW
Area File: 20pcbs16257001B.0029.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 10:07:33 PM
File Reported On: 9/13/2016 at 10:07:43 PM

IC16X1624B AAIC16XAA CCAL 1625699999 10736 SW-846 8082

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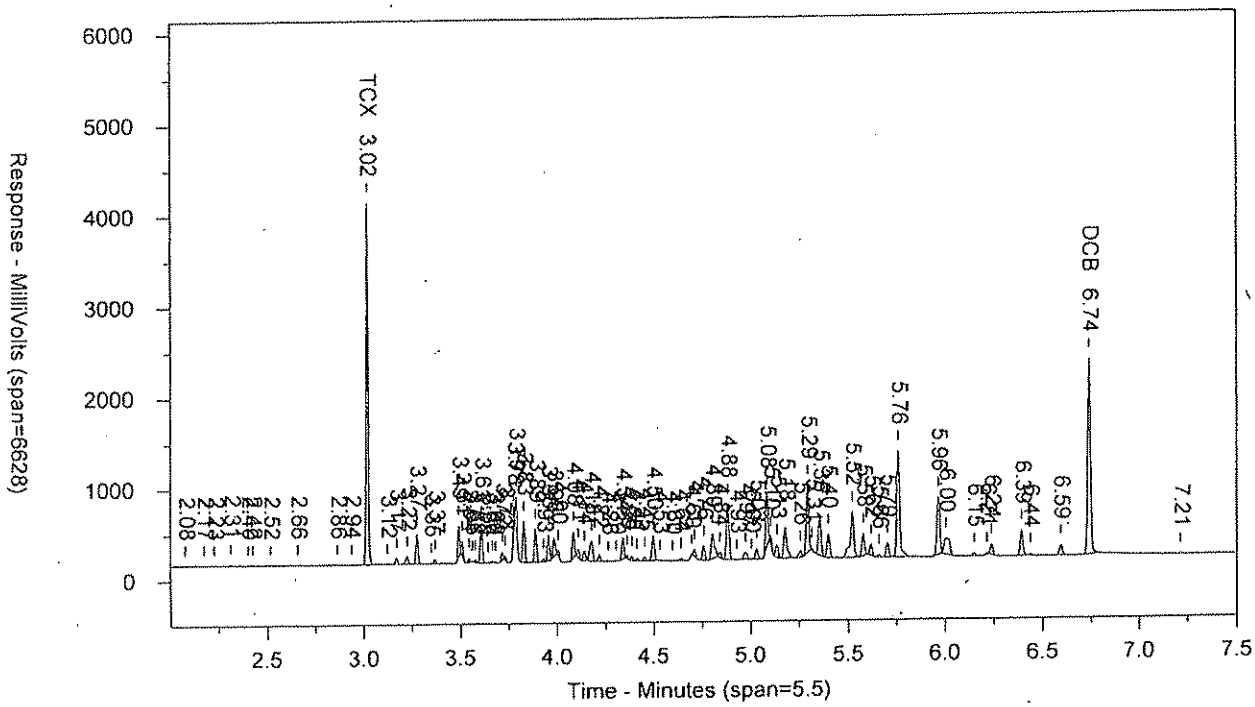

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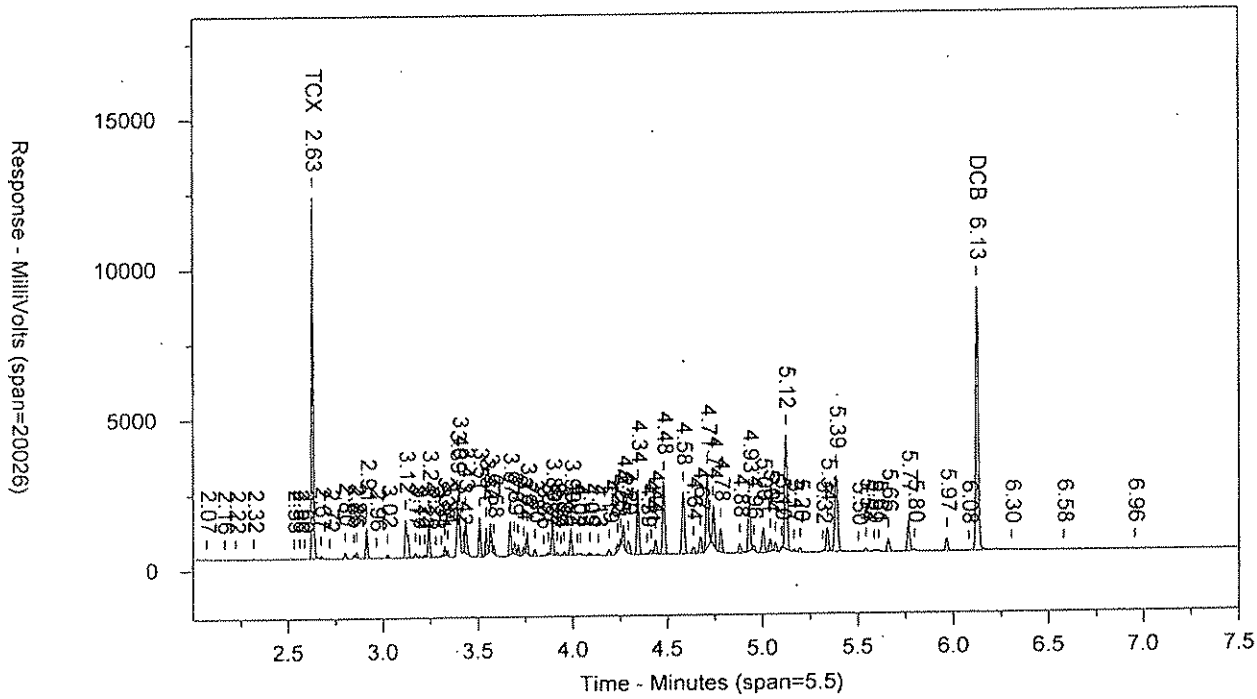

LANCASTER LABORATORIES

Sample Number: IC48X1624B AAIC48XAA CCAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 10:10:09 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: 20pcbs16257001.0030.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.076		1300	1852
2.172		2879	6721
2.241		1930	3589
2.31		18075	13639
2.398		10574	7157
2.421		6565	4420
2.513		1036	1274
2.659		2887	3285
2.862		4665	12602
2.937		4210	7450
3.016	TCX	3922875	2637753
3.12		1724	1473
3.17		18543	15354
3.217		51475	41348
3.273		66578	47060
3.348		7498	4385
3.367		10860	6675
3.488		167392	107726
3.505		53316	27472
3.542		12513	7385
3.558		2885	1300
3.575		3472	1899
3.605		164899	124536
3.64		837	470
3.661		19479	11339
3.678		7797	4046
3.715		34317	20707
3.729		9784	4353
3.775		158413	86174
3.787		151683	85862
3.825		202705	176876
3.887		204686	173618
3.927		35789	23671
3.953		384363	290699
3.981		259315	210058
4.003		84586	50149
4.082		436224	327481
4.107		126677	86312
4.138		158137	121034
4.174		358819	351229
4.216		128143	105223
4.261		13699	10154
4.302		38022	34469
4.337		316646	225449
4.358		395321	261242
4.382		418396	318674
4.409		14613	10593
4.45		43815	40518
4.491		407285	350743
4.514		93472	51607
4.528		34349	21528
4.571		6787	4791
4.595		26502	19764
4.638		119541	111306

RT A	Compound A	Height A	Area A
4.692		169149	153542
4.724		102084	79099
4.755		282380	254257
4.8		3333	2277
4.816		1684	655
4.842		113857	103114
4.879		21628	28388
4.932		29513	25974
4.973		182976	178729
5.055		18694	24002
5.083		15164	10742
5.102		15052	10289
5.177		179561	175930
5.218		5551	4166
5.246		7210	8420
5.292		49315	44897
5.333		3442	2102
5.397		1178	835
5.503		20360	24324
5.577		1600	1758
5.659		2281	1974
5.702		9396	8186
5.727		1459	1043
5.756		4424	3447
5.779		4547	3481
5.964		5438	5552
6.003		1562	2971
6.149		14998	14325
6.213		14700	13219
6.392		1592	1669
6.474		641	573
6.591		25677	25520
6.738	DCB	2136743	2206272
7.216		2258	2653

LANCASTER LABORATORIES

Sample Number: IC48X1624B AAIC48XAA CCAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 10:10:09 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: 20pcbs16257001B.0030.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		19062	16710
2.163		3331	6046
2.319		7060	5547
2.425		2133	1549
2.534		7967	7125
2.562		16657	11845
2.631	TCX	11808690	7281357
2.674		8502	3945
2.802		61447	44319
2.848		129987	70711
2.914		187743	121653
2.964		29432	17314
2.995		1257	1172
3.025		36190	22036
3.12		580364	531709
3.171		44329	27001
3.194		19355	11553
3.218		11279	5635
3.242		469952	325913
3.279		32110	19946
3.306		62557	32739
3.325		97138	51836
3.34		46349	22215
3.39		516460	255369
3.4		512444	195911
3.42		91471	39002
3.434		520283	324985
3.508		721156	467161
3.542		1289544	783144
3.565		1194429	662117
3.584		400307	206365
3.669		1588124	1007843
3.692		489802	270456
3.713		525604	311328
3.742		247034	119692
3.758		1140588	672896
3.8		418379	303435
3.848		84732	70595
3.87		850576	523203
3.892		2173193	1352427
3.917		1447308	905544
3.936		120990	56640
3.955		109634	63023
3.99		602937	434853
4.025		1042086	793765
4.053		528945	301612
4.088		27502	15741
4.1		43197	24020
4.134		370925	281222
4.191		664380	487912
4.224		386056	265204
4.251		979023	721272
4.29		16648	16090
4.345		380772	365434

RT B	Compound B	Height B	Area B
4.38		97642	70982
4.412		630369	458482
4.436		17366	9022
4.479		63258	44304
4.505		52169	37116
4.578		94802	104851
4.63		619564	475154
4.67		25695	24333
4.709		166781	154715
4.757		17838	11376
4.779		3652	1976
4.855		3422	5955
4.896		7597	5382
4.931		7348	4882
4.955		59573	48141
5.003		6285	7142
5.039		3082	2680
5.074		5079	4213
5.102		24966	17826
5.124		13638	8689
5.198		22681	24577
5.34		7131	6250
5.385		18322	18460
5.542		54994	49449
5.61		52919	48683
5.659		7485	6771
5.766		6108	7680
5.965		90074	80126
6.125	DCB	8522433	7912488
6.578		7184	6732
7.317		1671	1713
8.235		5003	8716

IC48X1624B AAIC48XAA CCAL 1625699999 10736 SW-846 8082

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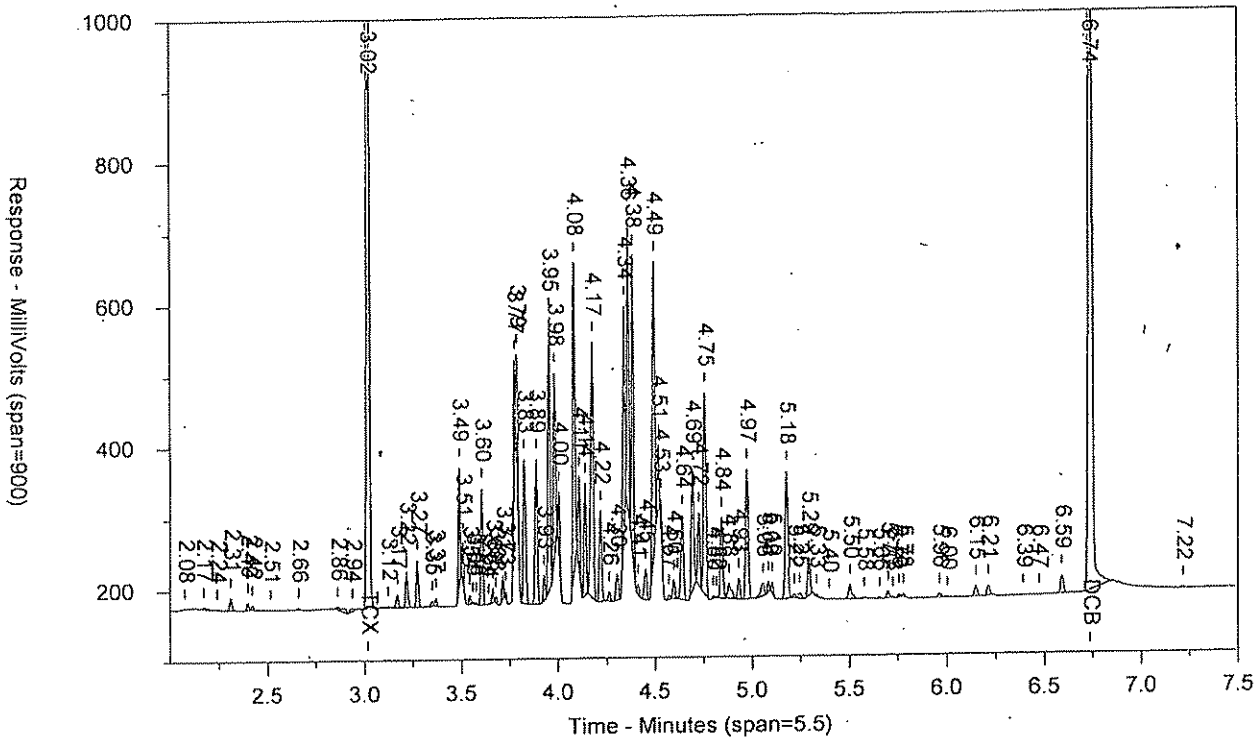

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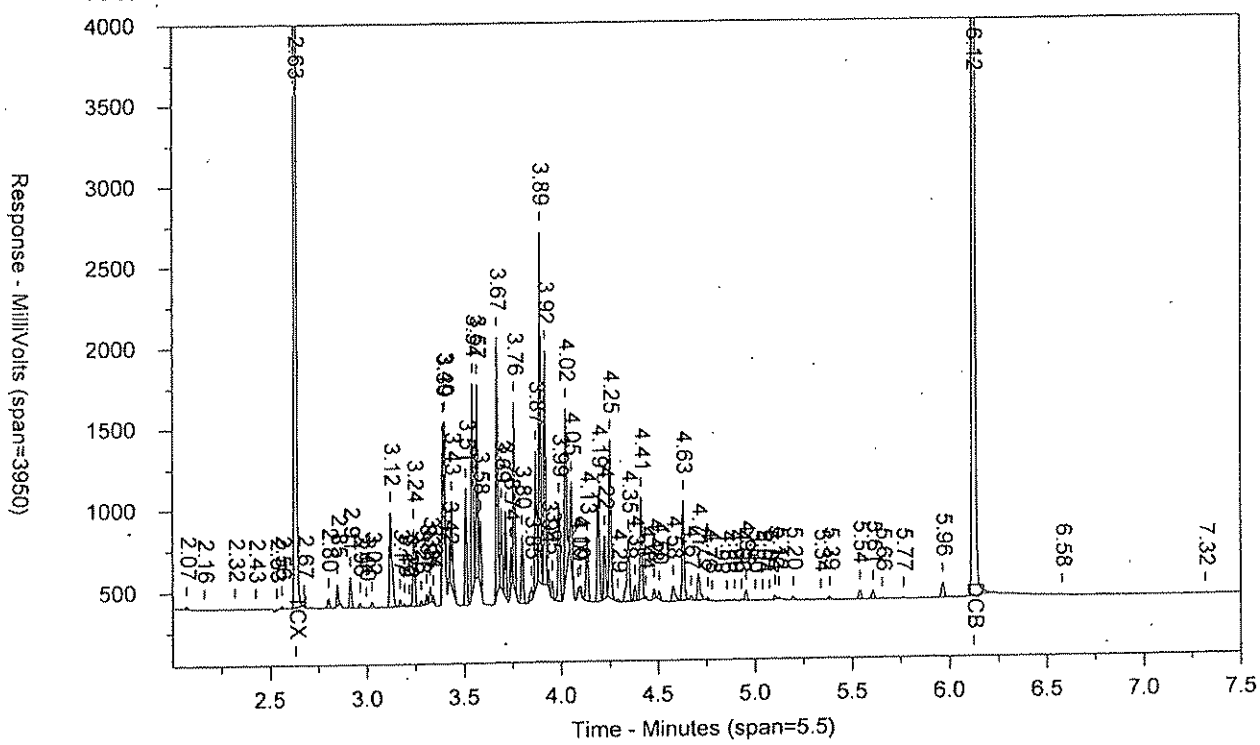

LANCASTER LABORATORIES

Sample Number: IC48X1624B AAIC48XAA CCAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 10:10:09 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.016	3922875	38.191	TCX	2.631	11808690	36.637	TCX
6.738	2136743	36.683	DCB	6.125	8522433	34.182	DCB

Files:
Area File: 20pcbs16257001.0030.RAW
Area File: 20pcbs16257001B.0030.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 10:18:52 PM
File Reported On: 9/13/2016 at 10:18:59 PM

IC48X1624B AAIC48XAA CCAL 1625699999 10736 SW-846 8082

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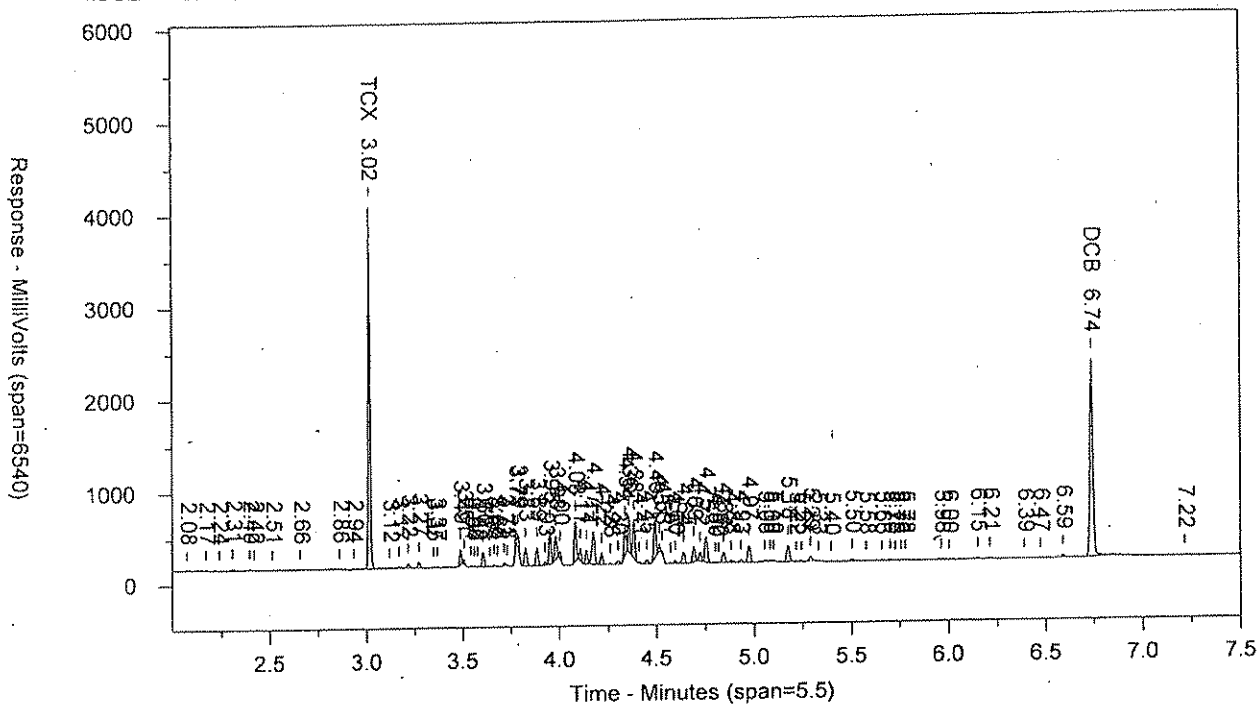

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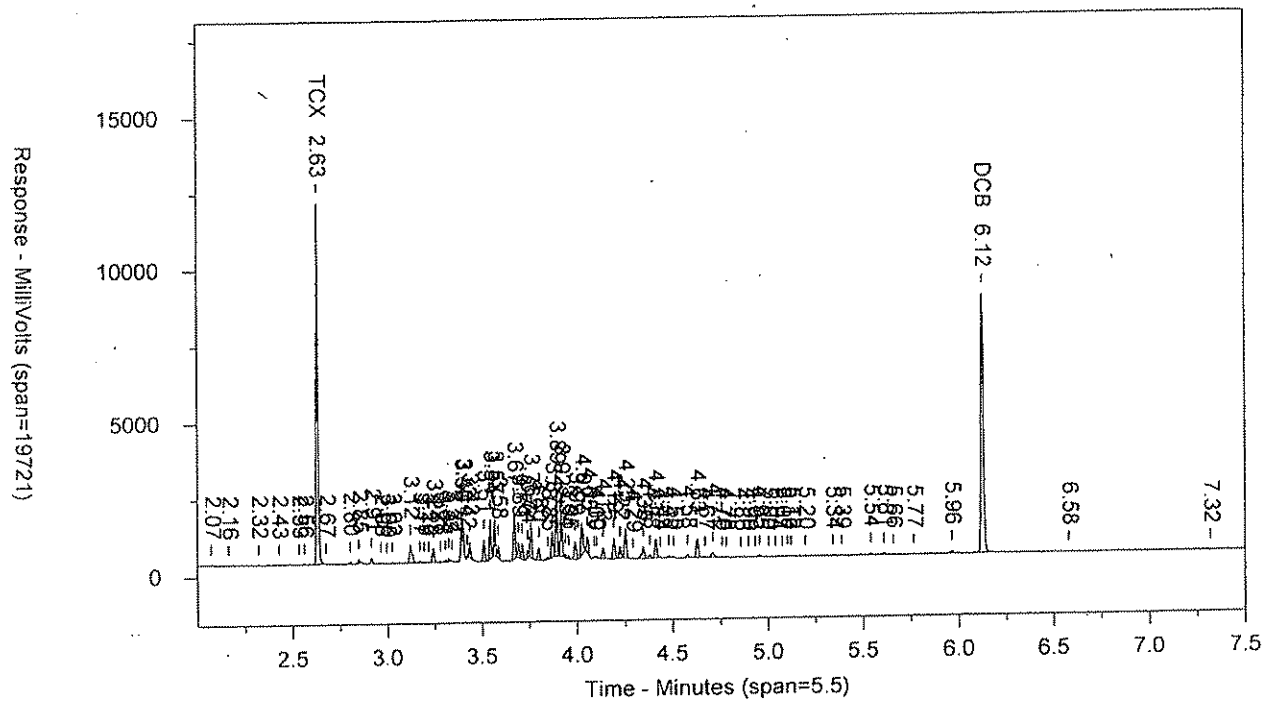

LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 10:21:38 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs16257001.0031.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.057		2810	4003
2.101		1426	3960
2.173		1279	1265
2.226		1327	826
2.31		9044	7793
2.398		12311	8197
2.421		3242	2172
2.503		4963	4396
2.658		1862	1602
2.813		837	705
2.862		3235	3133
2.904		7654	5547
2.943		2523	6266
3.017	TCX	1964956	1321767
3.101		2810	1812
3.122		1051	855
3.17		6475	7064
3.218		28098	22480
3.274		20371	18274
3.349		4213	2585
3.369		1317	894
3.49		13687	8086
3.507		7396	5773
3.544		1191	584
3.561		3131	1847
3.606		26090	21377
3.663		9953	5515
3.681		10094	5824
3.717		6551	3748
3.757		1886	1196
3.776		12524	6504
3.79		10580	7174
3.828		49611	42368
3.889		16354	13716
3.928		6732	6420
3.955		378884	286835
3.982		104981	78164
4.005		9486	4772
4.084		230841	181601
4.109		16949	10652
4.14		28840	20632
4.176		106627	95634
4.218		24002	19607
4.261		10405	13606
4.3		18445	16389
4.339		554428	413711
4.36		229050	140398
4.385		173341	128308
4.411		17496	12160
4.453		165081	143940
4.496		836211	812012
4.531		288603	247855
4.572		13211	8708
4.597		54921	47728

RT A	Compound A	Height A	Area A
4.64		275942	256544
4.694		540378	479998
4.726		124358	85926
4.756		1048783	923004
4.803		47186	34470
4.817		24749	14302
4.844		149036	128281
4.882		322924	339585
4.933		60572	53525
4.976		657434	623564
5.005		12774	7879
5.031		72596	60400
5.058		10794	6783
5.085		269251	209742
5.104		142302	100016
5.136		9782	7077
5.178		537981	509252
5.221		67488	54404
5.247		64586	92114
5.294		529671	499913
5.316		37783	18158
5.334		25412	15693
5.355		16945	11504
5.399		28267	23444
5.422		4570	2716
5.505		242627	321785
5.554		2153	1282
5.58		34043	29600
5.62		30811	32939
5.66		4108	3191
5.703		138335	124656
5.729		19552	13315
5.759		106100	100094
5.929		7973	10364
5.967		97623	90920
5.997		17643	17942
6.151		9309	7858
6.178		2677	2096
6.213		20451	29078
6.394		5630	5873
6.477		8196	11407
6.595		15260	16645
6.741	DCB	1048700	1159070
6.978		3896	5852
7.157		554	1369
7.218		851	655
7.256		3068	5535
7.565		2684	4563
7.908		4436	12223
8.345		1552	2880

LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 10:21:38 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs16257001B.0031.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.072		11576	11710
2.126		3933	3507
2.171		10241	26907
2.226		9871	18777
2.32		4453	4142
2.429		4420	8485
2.481		2114	2704
2.528		14789	7780
2.562		31535	52270
2.63	TCX	6158547	3698714
2.719		16129	10026
2.803		22419	17670
2.846		60413	31265
2.864		16912	13269
2.915		53373	34351
2.964		15898	9294
3.026		5159	3651
3.051		1914	1758
3.121		56123	61213
3.172		10053	17455
3.194		16187	10505
3.244		55297	38948
3.28		38435	24189
3.307		37008	20124
3.325		13071	5924
3.341		18250	9885
3.391		83906	84329
3.435		134840	150615
3.464		5538	3052
3.509		54742	35050
3.543		1233406	760074
3.567		358490	210323
3.585		43904	20200
3.67		483615	325002
3.694		66584	35738
3.714		90558	61326
3.743		42829	20474
3.76		297543	177187
3.801		76056	61027
3.841		56752	49514
3.871		238842	143808
3.893		2889498	1891633
3.917		304253	164105
3.938		179743	98573
3.956		483738	288364
3.991		2549326	1722500
4.023		977841	600240
4.041		586867	317173
4.101		200463	195388
4.136		932229	690077
4.191		1853753	1294410
4.226		523497	377717
4.253		3669708	2657945
4.291		251578	240452

RT B.	Compound B	Height B	Area B
4.345		1639514	1398510
4.381		243265	182404
4.413		2241614	1557468
4.437		350837	232546
4.479		959717	782457
4.507		74535	46971
4.58		1272036	1231952
4.632		1609978	1228949
4.672		406344	336258
4.711		2693838	2478225
4.758		192253	124943
4.782		44934	27868
4.804		3263	2207
4.842		31607	36836
4.898		122346	113107
4.932		126504	86358
4.956		783542	609644
5.007		99652	84868
5.042		82471	66220
5.069		44894	35679
5.104		315500	231048
5.126		263668	170154
5.144		35540	17360
5.167		7007	4039
5.199		14171	15579
5.319		1228	846
5.342		13759	11798
5.385		228152	234720
5.542		37394	37663
5.588		15668	11355
5.611		30701	23063
5.709		8573	28335
5.767		19971	17085
5.967		61452	62198
6.126	DCB	4600423	4065231
6.217		3836	4135
6.465		7634	17210
6.58		3310	2825
6.707		4319	10363
6.811		4020	4225
6.934		2185	3975
7.245		1604	10950
7.42		3299	4208
8.236		5378	12067

IC54X1624A AAIC54XAA CCAL 1625699999 10736 SW-846 8082

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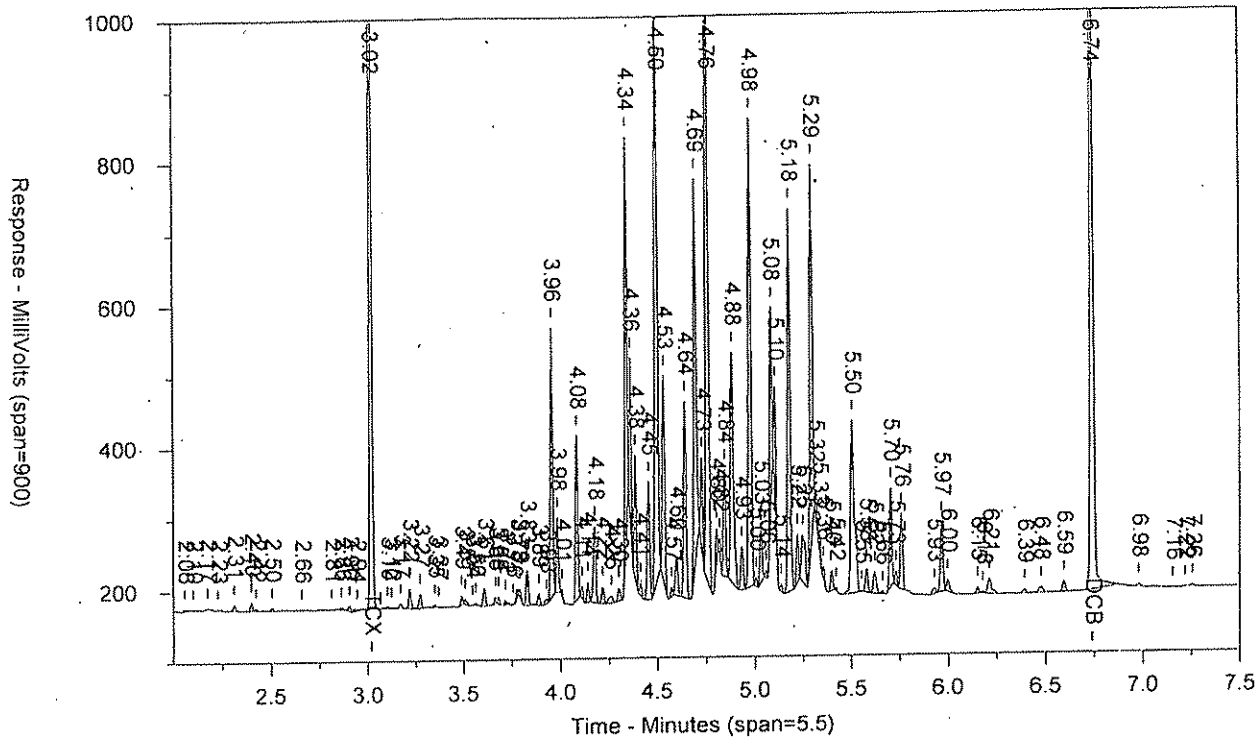

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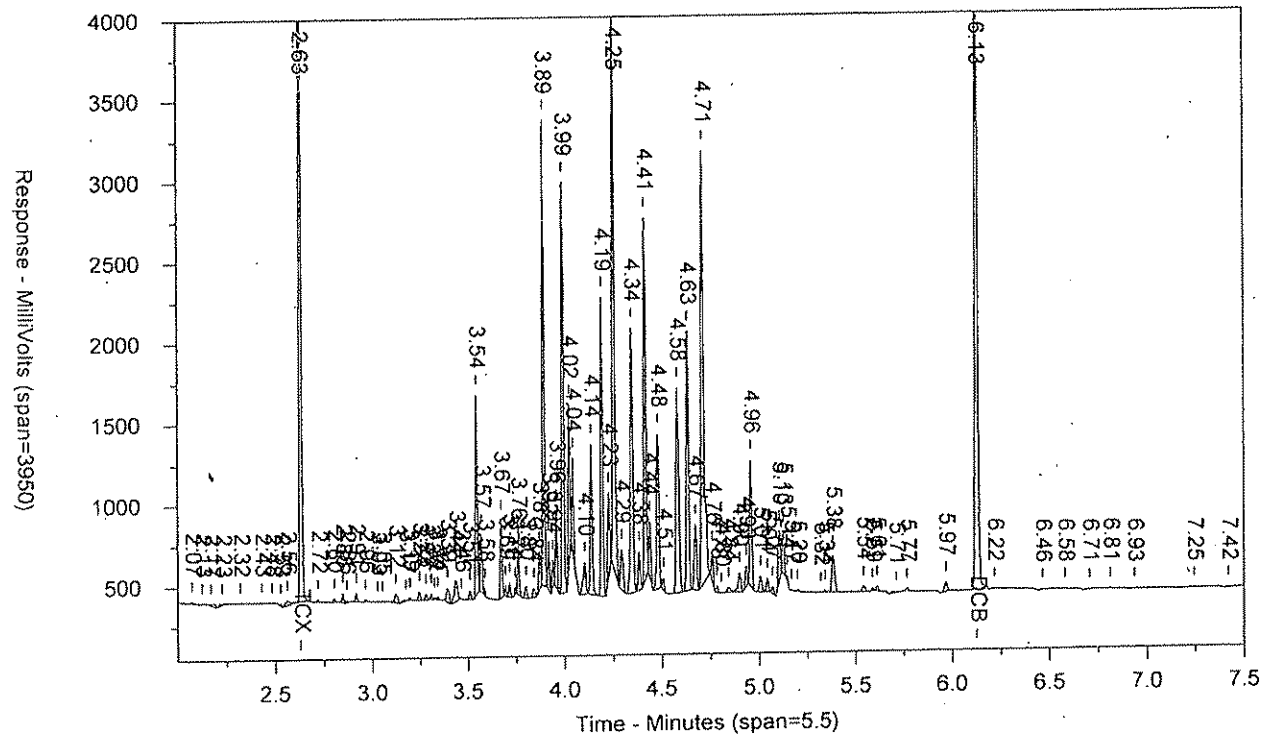

LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1625699999 10736 SW-846 8082
Injected On: 9/13/2016 10:21:38 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.017	1964956	19.13	TCX	2.63	6158547	19.107	TCX
6.741	1048700	18.004	DCB	6.126	4600423	18.452	DCB

Files:
Area File: 20pcbs16257001.0031.RAW
Area File: 20pcbs16257001B.0031.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/13/2016 10:30:21 PM
File Reported On: 9/13/2016 at 10:30:25 PM

IC54X1624A AAIC54XAA CCAL 1625699999 10736 SW-846 8082

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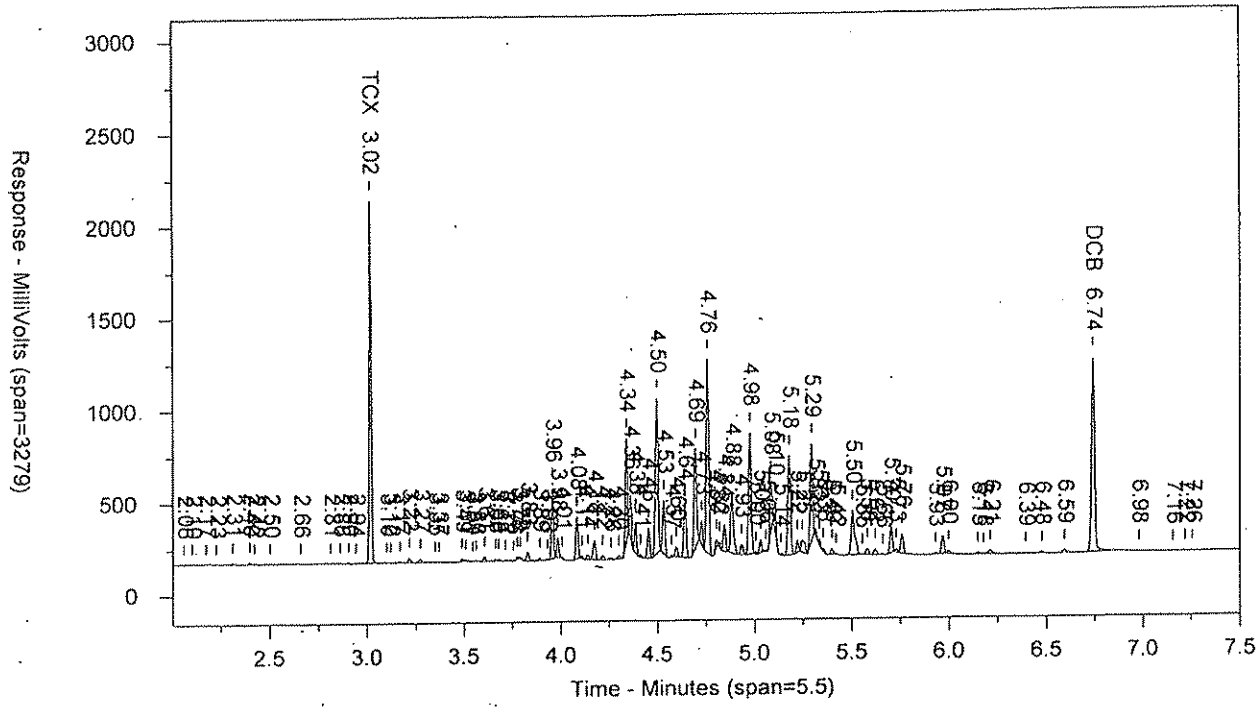

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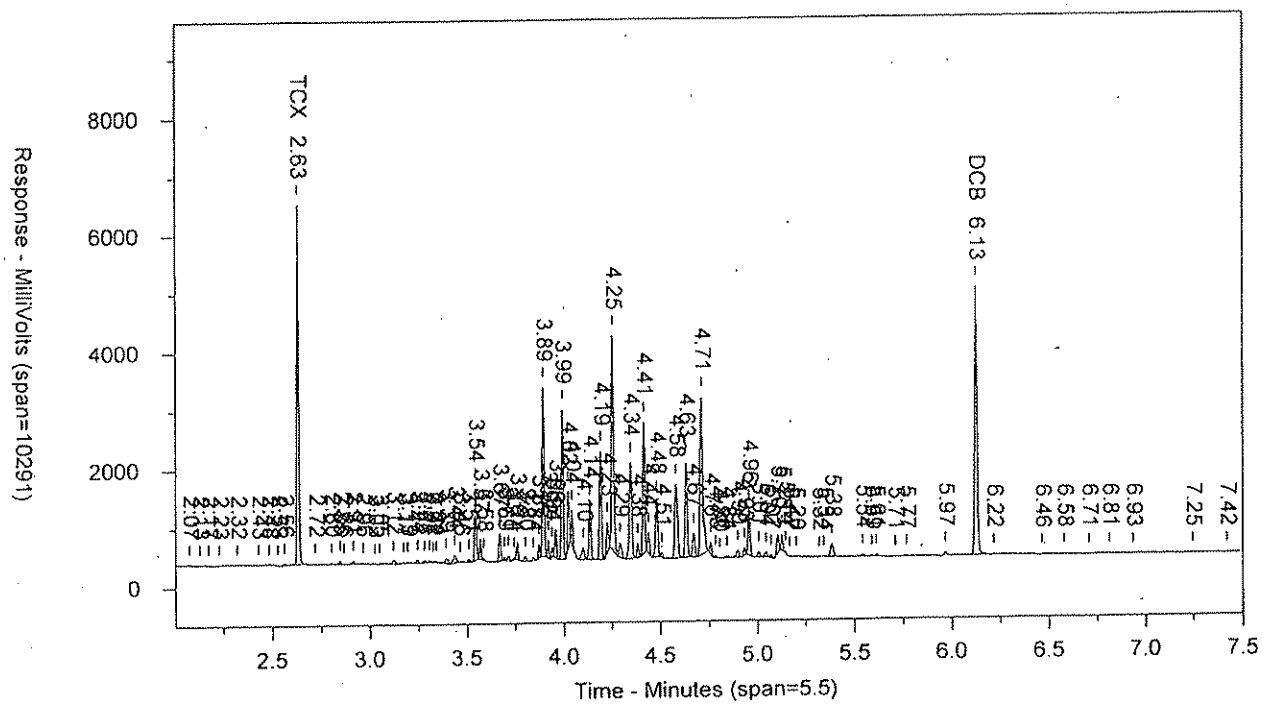


LANCASTER LABORATORIES

Sample Number: AR1631624B EUAR163EU CCAL 1626399999 10736 SW-846 8082
Injected On: 9/20/2016 7:11:14 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: 20PCBS16257005.0005.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.078		1036	2085
2.188		2929	5645
2.242		917	1557
2.312		17669	13026
2.4		6126	3971
2.424		6374	4130
2.504		900	868
2.659		4505	4483
2.863		7416	10172
2.936		2623	3813
3.018	TCX	3825592	2559154
3.105		919	577
3.121		1503	847
3.171		57537	49232
3.226		82664	80890
3.276		313224	222539
3.352		6612	3427
3.37		41050	26850
3.492		313406	198968
3.51		154094	81616
3.547		41345	24612
3.563		12245	5481
3.58		31300	18329
3.611		381133	289254
3.645		1967	1098
3.667		17480	10244
3.685		10677	5793
3.721		87358	51344
3.736		43155	22160
3.781		225944	117845
3.793		382737	199782
3.831		434204	350534
3.893		366316	296870
3.934		32861	23003
3.96		282437	202912
3.987		194037	165682
4.01		67915	37095
4.087		283544	220257
4.113		100716	68816
4.144		120514	89270
4.18		288359	306730
4.221		98079	81534
4.267		14473	10814
4.308		16390	14226
4.343		286243	220041
4.364		70872	45060
4.388		84154	63150
4.414		3160	2145
4.456		46533	40204
4.5		299419	275713
4.535		6791	4025
4.601		2638	2177
4.644		21292	18884
4.699		25447	19467

RT A	Compound A	Height A	Area A
4.714		73200	50767
4.76		182535	165163
4.806		280578	312277
4.844		62843	46828
4.885		588952	577149
4.936		2483	2194
4.978		99760	110522
5.008		4199	2364
5.035		114239	107223
5.088		581902	479049
5.106		87988	53372
5.139		142596	128917
5.181		341271	375430
5.223		3242	1666
5.26		71862	82645
5.296		738130	725296
5.318		23275	11949
5.358		407828	379976
5.402		260048	250797
5.523		486985	661976
5.581		249895	219951
5.622		121741	104610
5.662		25655	24060
5.705		164435	154647
5.76		1143295	1177398
5.967		603309	646268
6.006		50389	54425
6.019		54729	46537
6.153		19050	18736
6.215		18455	14576
6.24		118777	103382
6.396		267062	269233
6.441		18462	16917
6.598		83766	87038
6.747	DCB	2017155	2092702
7.226		1463	1332

LANCASTER LABORATORIES

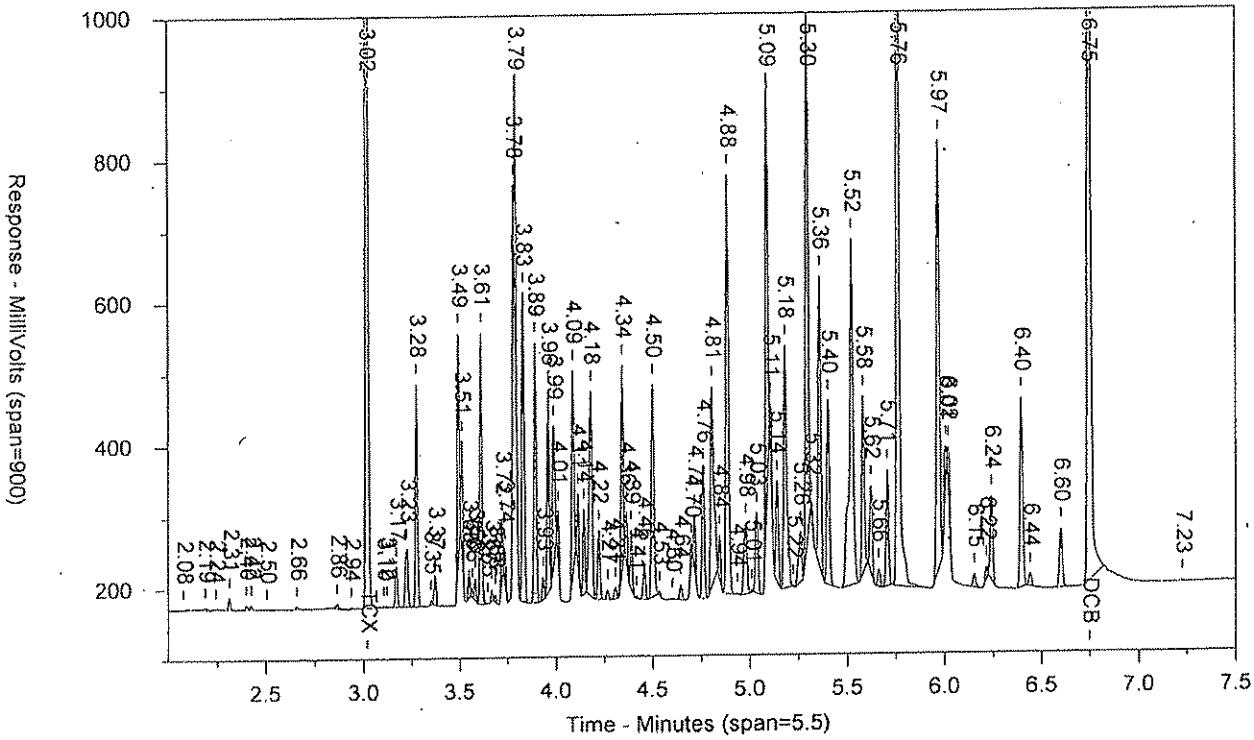
Sample Number: AR1631624B EUAR163EU CCAL 1626399999 10736 SW-846 8082
Injected On: 9/20/2016 7:11:14 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS16257005B.0005.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.021		3860	6108
2.074		20360	14561
2.222		2816	3799
2.264		2320	2485
2.317		13055	10599
2.425		2190	2071
2.529		4276	2657
2.562		39364	27366
2.631	TCX	12481200	7246477
2.675		78508	51165
2.719		6084	4442
2.801		193939	130912
2.848		108212	51135
2.862		166467	82487
2.914		999285	611729
2.964		31297	18287
3.025		129237	80957
3.121		1227607	1194480
3.172		151218	93035
3.194		69278	38706
3.219		104287	56633
3.243		1211798	805099
3.28		45285	26872
3.308		58953	29498
3.326		307790	155629
3.341		197723	95826
3.368		3144	1538
3.391		775590	365132
3.401		1382178	576986
3.422		46620	16711
3.436		1217194	832999
3.51		1355568	842862
3.545		898805	552831
3.569		957285	536008
3.587		326668	158475
3.673		1086295	719248
3.696		431592	234990
3.717		408814	238413
3.746		253686	132226
3.764		949884	572250
3.804		343089	244198
3.852		44614	35910
3.873		248815	150424
3.895		1237838	806102
3.921		270459	159462
3.941		33084	15595
3.959		141898	86743
3.994		995235	677433
4.028		44414	26393
4.044		73478	48854
4.093		19150	19931
4.139		63444	51346
4.195		267425	187218
4.238		266092	154216

RT B	Compound B	Height B	Area B
4.256		219425	103592
4.269		614111	363235
4.294		398217	399819
4.347		2212616	1696165
4.394		27987	19811
4.416		223217	143120
4.441		507300	367910
4.482		2684257	2054299
4.586		2193844	2018912
4.639		258213	216253
4.676		596259	501925
4.712		2727600	2249213
4.744		1356941	944548
4.783		888677	687389
4.882		289203	203085
4.9		25561	14157
4.933		1682172	1331783
4.958		214569	135215
5.007		847079	792172
5.043		433310	338836
5.073		313108	258395
5.105		109828	67312
5.126		3939921	3316518
5.168		78605	59100
5.2		134259	113225
5.319		41993	27663
5.342		811736	678982
5.387		2757882	2815503
5.544		69386	57907
5.587		71081	54877
5.612		36670	27359
5.66		477093	397650
5.767		991062	893789
5.799		60649	44485
5.967		338777	304708
6.088		1471	1401
6.127	DCB	9017298	8161214
6.302		7998	9542
6.581		8054	10108
7.471		1659	6324
8.243		5265	10629

AR1631624B EUAR163EU CCAL 1626399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS16257005.0005.RAW



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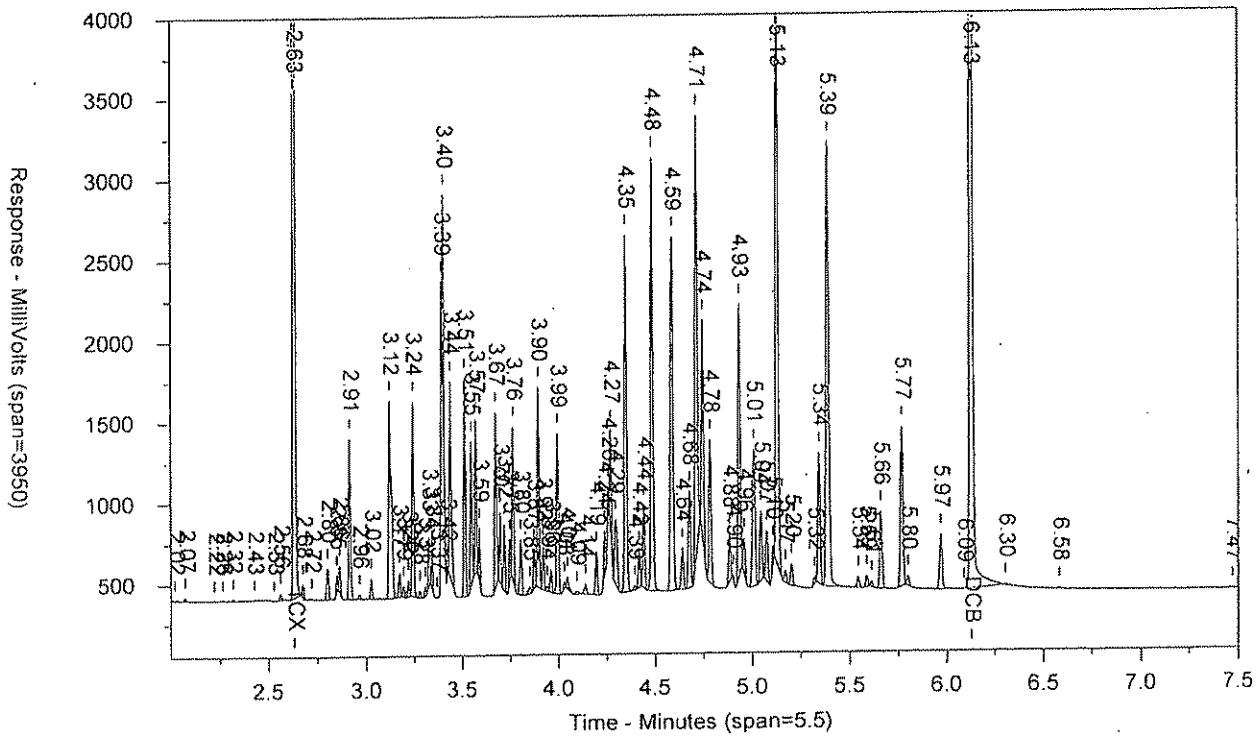

LANCASTER LABORATORIES

Sample Number: AR1631624B EUAR163EU CCAL 1626399999 10736 SW-846 8082
Injected On: 9/20/2016 7:11:14 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
3.018	3825592	37.243	TCX	2.631	12481200	38.724	TCX
6.747	2017155	34.63	DCB	6.127	9017298	36.167	DCB

Files:
Area File: 20PCBS16257005.0005.RAW
Area File: 20PCBS16257005B.0005.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/20/2016 7:19:57 PM
File Reported On: 9/20/2016 at 7:20:16 PM

AR1631624B EUAR163EU CCAL 1626399999 10736 SW-846 8082

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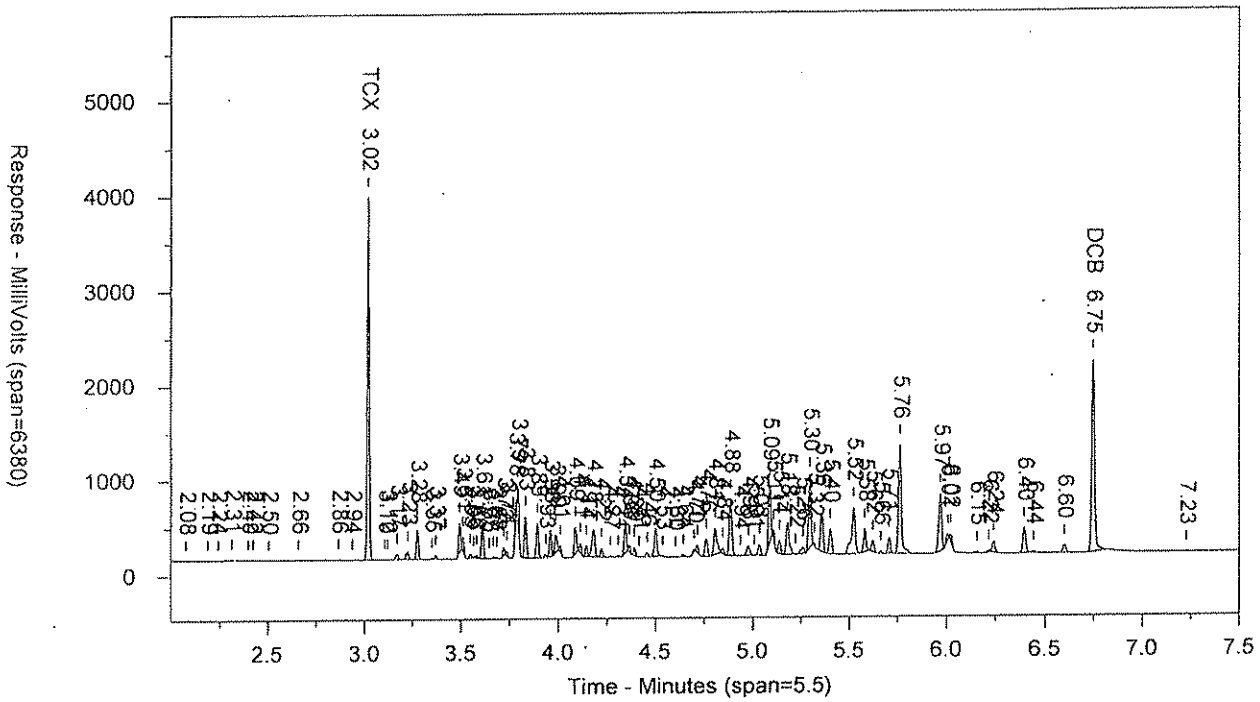

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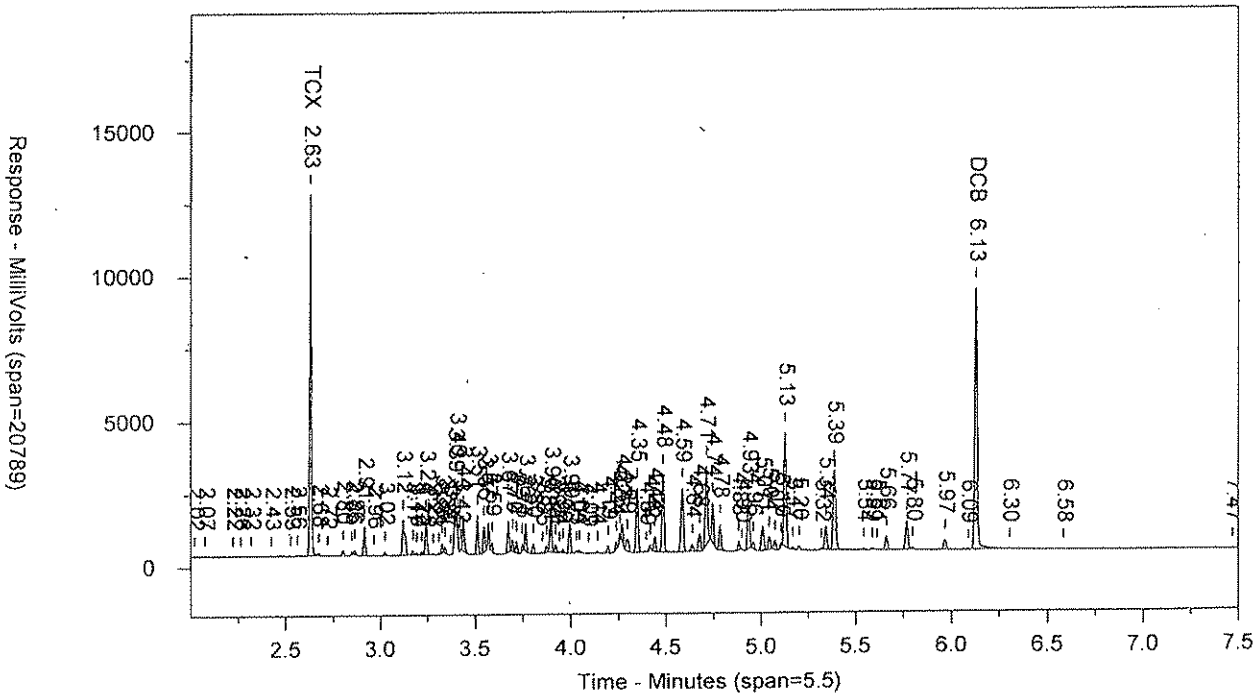

LANCASTER LABORATORIES

Sample Number: IBLKX1624B PMPIBLKPM PIBLK1626399999 10736 SW-846 8082
Injected On: 9/20/2016 7:22:33 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: 20PCBS16257005.0006.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.106		622	2506
2.184		3826	9197
2.23		2572	4463
2.282		959	535
2.313		9377	7306
2.4		8949	5823
2.423		3361	2162
2.506		847	697
2.581		1320	1273
2.677		1069	959
2.767		1358	1196
2.823		1562	2487
2.862		5911	4122
2.941		2770	4757
3.018	TCX	2087190	1389908
3.118		1330	2222
3.193		728	484
3.218		28309	18289
3.274		1342	1342
3.35		5608	3891
3.43		1163	1548
3.578		1270	1129
3.608		886	718
3.665		12465	9711
3.758		15405	11587
4.303		825	997
4.412		4974	4538
5.241		899	811
5.758		677	1175
5.933		621	677
6.152		4073	4203
6.215		3181	3139
6.403		592	1059
6.597		10012	10731
6.743	DCB	1096326	1250018
7.216		905	894
7.444		716	1412

LANCASTER LABORATORIES

Sample Number: IBLKX1624B PMPIBLKPM PIBLK1626399999 10736 SW-846 8082
Injected On: 9/20/2016 7:22:33 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS16257005B.0006.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.073		10584	7293
2.212		4363	4805
2.315		2726	2385
2.423		2841	3854
2.511		7066	4003
2.532		5697	3908
2.562		36197	31022
2.631	TCX	6599556	3944599
2.711		3306	5115
2.796		4648	3514
2.848		85049	48671
2.964		17139	10299
3.067		1780	1424
3.155		3636	4129
3.193		3899	4402
3.307		41978	24734
3.34		72068	45898
3.399		6318	6683
3.428		3547	5259
3.569		2837	4145
3.689		3208	3810
3.955		5844	7015
4.09		21677	21540
4.242		3797	13661
4.514		5769	11321
4.734		1149	3176
4.81		2061	2885
5.125		3430	6978
5.196		2184	2035
5.541		17198	14994
5.61		10047	9776
5.965		39588	34888
6.125	DCB	4914132	4348990
6.579		6289	7920
8.24		3435	5568

IBLKX1624B PMPIBLKPM PIBLK1626399999 10736 SW-846 8082

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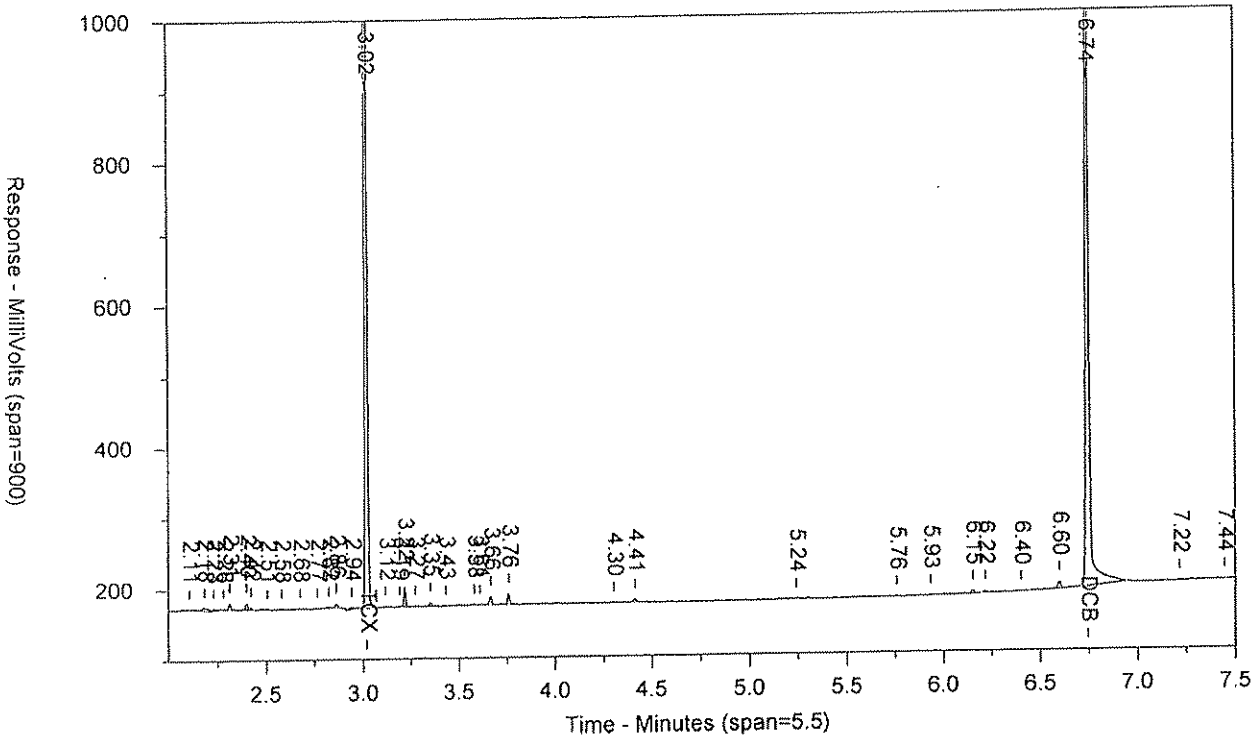

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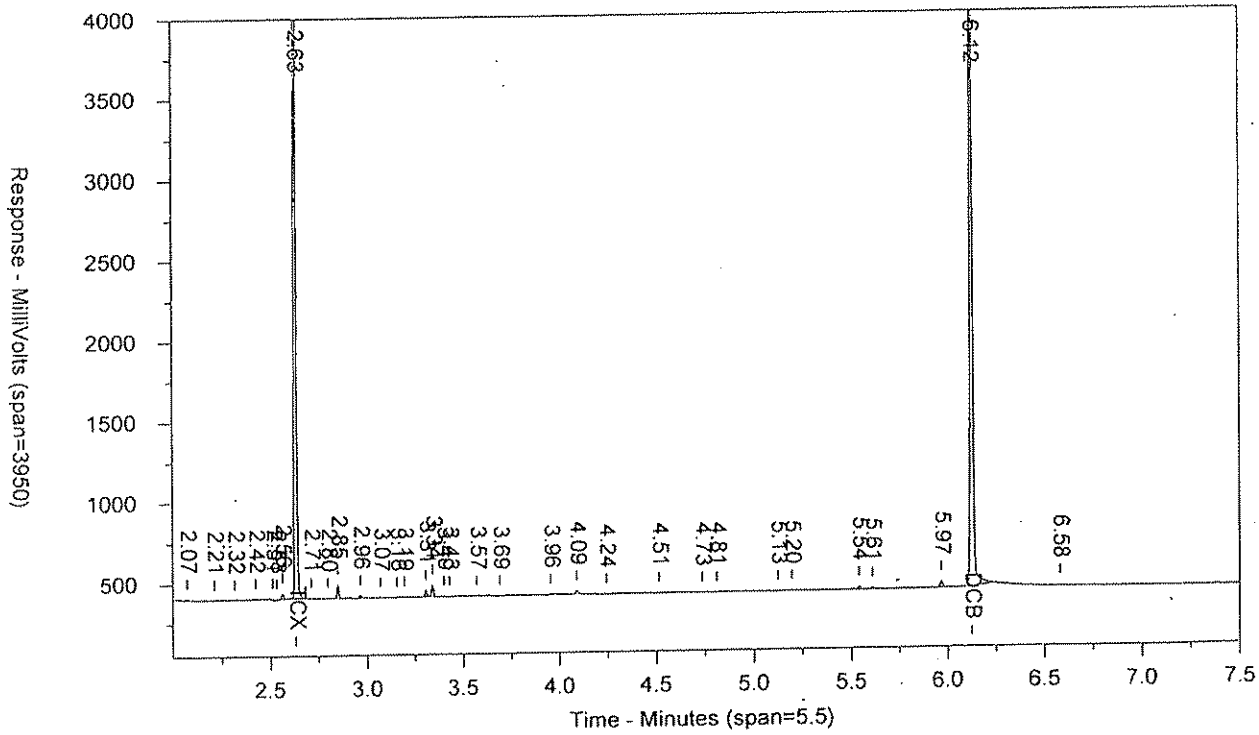

LANCASTER LABORATORIES

Sample Number: IBLKX1624B PMPIBLKPM PIBLK1626399999 10736 SW-846 8082
Injected On: 9/20/2016 7:22:33 PM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.018	2087190	.203	TCX	2.631	6599556	.205	TCX
6.743	1096326	.188	DCB	6.125	4914132	.197	DCB

Files:
Area File: 20PCBS16257005.0006.RAW
Area File: 20PCBS16257005B.0006.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/20/2016 7:31:15 PM
File Reported On: 9/20/2016 at 7:31:26 PM

IBLKX1624B PMPIBLKPM PIBLK1626399999 10736 SW-846 8082

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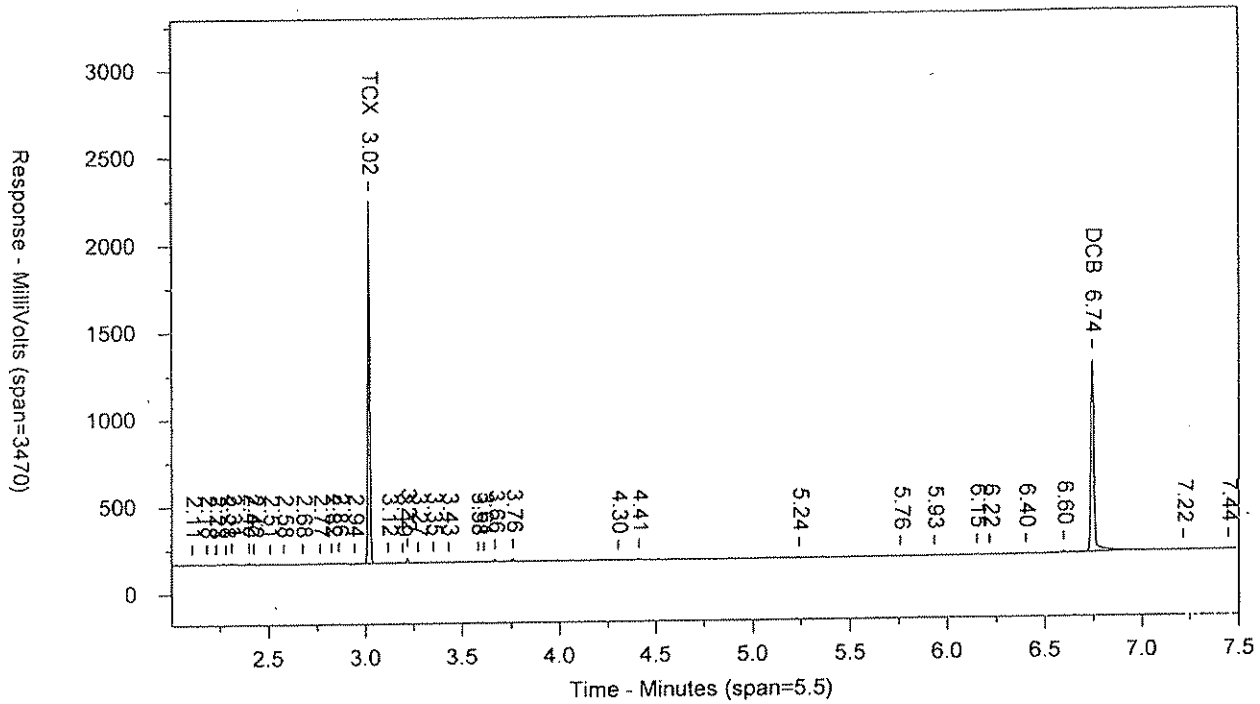

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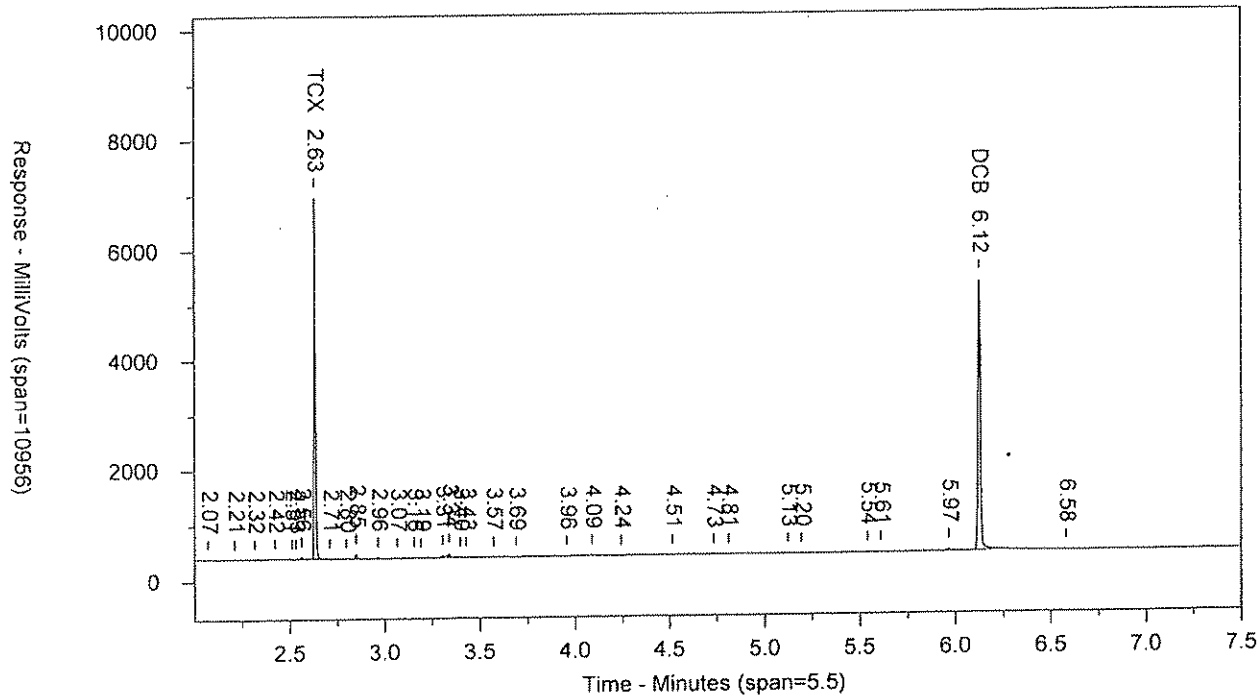


LANCASTER LABORATORIES

Sample Number: AR1631624B EVAR163EV CCAL 1626399999 10736 SW-846 8082
Injected On: 9/20/2016 11:22:34 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: 20PCBS16257005.0027.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.193		4540	10810
2.234		3887	6737
2.313		18121	12593
2.4		8289	5566
2.423		6369	3971
2.658		4954	4860
2.837		1200	2867
2.863		3933	2952
2.935		3440	6775
3.018	TCX	3899721	2572581
3.1		949	523
3.121		1682	999
3.169		60765	50688
3.225		83674	81034
3.274		322207	225016
3.349		6705	3583
3.368		41707	27477
3.489		325617	199122
3.506		148721	82934
3.543		40788	24328
3.559		12671	5459
3.576		30795	17612
3.606		391798	290236
3.641		1701	942
3.663		19042	11053
3.68		11670	6428
3.716		88853	52403
3.731		45770	22380
3.776		204326	117269
3.787		373401	192371
3.827		438096	350223
3.888		364235	294914
3.929		32097	22371
3.954		278690	202173
3.982		198865	165569
4.004		59648	34563
4.083		289273	217495
4.108		103166	69299
4.139		118882	88657
4.176		291283	304547
4.217		99280	81388
4.262		14235	11131
4.303		17111	14571
4.338		282406	220232
4.359		76284	46125
4.383		83897	61967
4.411		3948	2657
4.451		46725	40356
4.495		292860	274283
4.53		7083	4469
4.596		2490	2062
4.639		21936	19569
4.693		25474	18289
4.709		68534	50623

RT A	Compound A	Height A	Area A
4.756		175880	163694
4.802		276346	313490
4.84		65751	47801
4.88		608505	568927
4.931		1684	1227
4.974		96669	108135
5.005		4456	2470
5.03		113990	106345
5.084		569699	474559
5.103		78690	47593
5.135		140826	126782
5.177		327014	368849
5.219		2759	1358
5.256		68588	80830
5.293		776811	731007
5.315		24146	13451
5.355		405724	376102
5.398		251103	247101
5.52		488489	652873
5.579		230425	216602
5.619		117231	104913
5.659		25878	25011
5.702		159527	155426
5.759		1096954	1152964
5.964		609186	642173
6.005		39897	52105
6.016		60809	42126
6.15		19501	19215
6.213		19025	14531
6.238		114900	102597
6.392		274179	270238
6.438		17412	17298
6.594		85852	92672
6.742	DCB	2018574	2342951
7.217		1507	1338
7.33		3666	11155
7.622		753	706

LANCASTER LABORATORIES

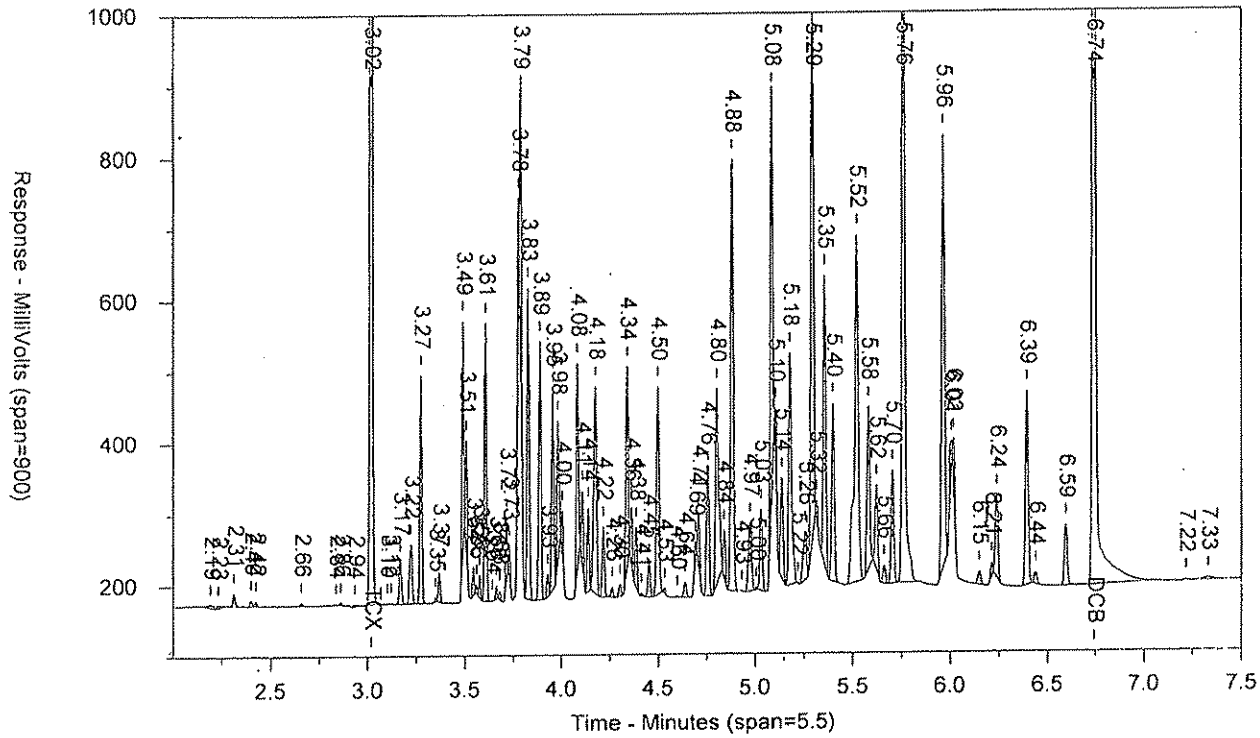
Sample Number: AR1631624B EVAR163EV CCAL 1626399999 10736 SW-846 8082
Injected On: 9/20/2016 11:22:34 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20PCBS16257005B.0027.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.074		19563	14755
2.223		2289	3002
2.318		14150	10205
2.532		5039	3932
2.562		20971	13873
2.588		2839	1391
2.631	TCX	12066740	7282021
2.674		80360	54158
2.719		7113	5566
2.801		201881	138119
2.848		107861	50835
2.862		169405	84959
2.913		990858	620866
2.964		31451	18796
3.024		127906	81530
3.119		856147	416232
3.131		274840	97863
3.171		147433	93934
3.192		70914	39446
3.218		99182	56582
3.241		1221280	805715
3.278		47336	27358
3.306		60994	30444
3.324		295815	154910
3.34		194432	94040
3.366		2616	1027
3.39		772512	328587
3.399		1247154	571320
3.42		42047	14334
3.433		1219795	831183
3.507		1343766	833206
3.542		885434	548539
3.565		957900	531377
3.583		311689	157851
3.669		1091895	726018
3.692		419613	229174
3.712		402583	234368
3.742		247592	127078
3.759		935756	552740
3.8		329763	241538
3.848		45175	35480
3.87		252911	147981
3.891		1245714	794282
3.916		266577	153673
3.936		37832	17633
3.955		137737	87122
3.99		972390	667577
4.024		44819	27503
4.04		71807	48399
4.089		21412	21285
4.134		65069	52525
4.191		258355	184525
4.234		261175	153858
4.252		219233	108150

RT B	Compound B	Height B	Area B
4.265		639522	365426
4.291		391160	394170
4.343		2269638	1663370
4.39		27925	19931
4.412		211236	136853
4.436		490202	361306
4.478		2598354	2029563
4.581		2109966	1977403
4.635		252972	211916
4.672		587865	491668
4.708		2651417	2207838
4.741		1324024	922667
4.779		886936	688659
4.848		3335	3724
4.878		276893	196602
4.895		29905	14662
4.93		1648216	1310293
4.954		206029	130638
5.004		861929	780918
5.039		425920	337949
5.069		310434	257730
5.102		111224	64302
5.124		3979546	3258057
5.164		73661	55834
5.197		129682	109983
5.316		42335	27123
5.338		814483	673580
5.384		2536060	2834250
5.541		69595	62439
5.585		68240	52114
5.609		39054	29671
5.659		447727	399133
5.765		1077006	899471
5.797		63831	46321
5.965		322022	290037
6.082		1704	1204
6.124	DCB	8865549	8172670
6.577		7465	8045
6.812		1932	2898
7.436		1484	3672
8.236		4511	7272

AR1631624B EVAR163EV CCAL 1626399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20PCBS16257005.0027.RAW



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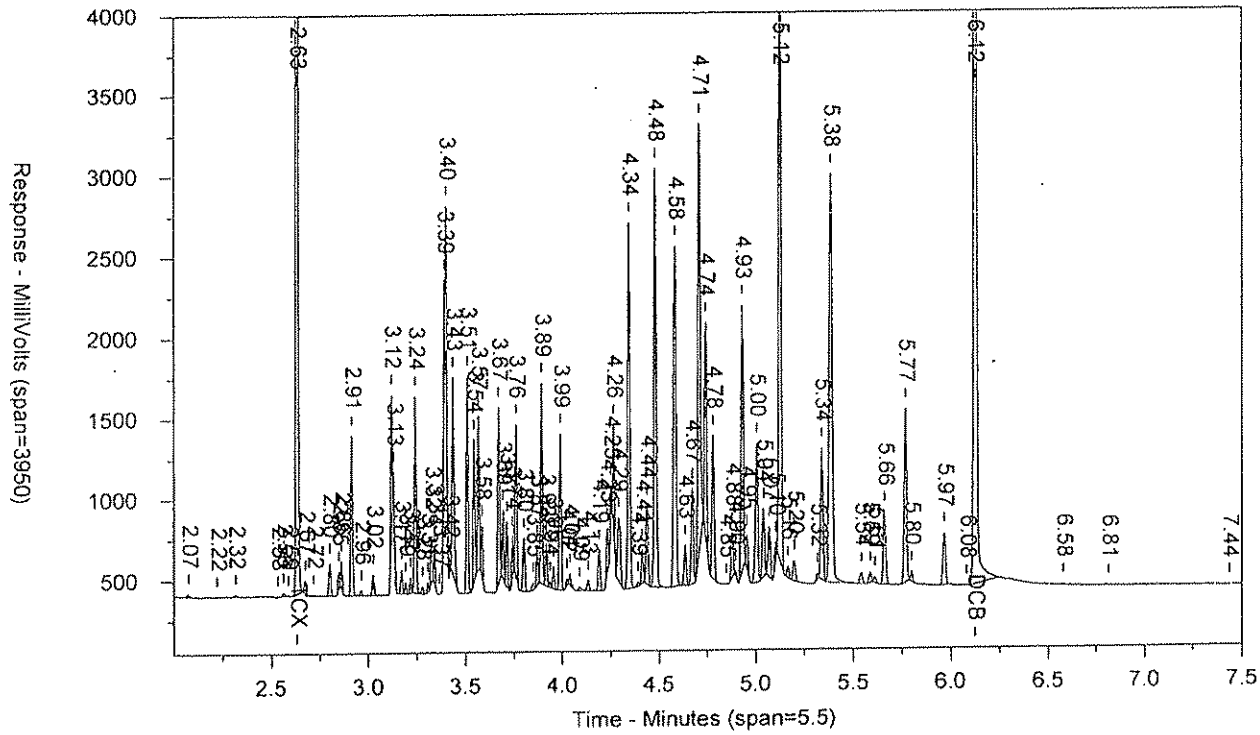

LANCASTER LABORATORIES

Sample Number: AR1631624B EVAR163EV CCAL 1626399999 10736 SW-846 8082
Injected On: 9/20/2016 11:22:34 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: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.018	3899721	37.965	TCX	2.631	12066740	37.438	TCX
6.742	2018574	34.654	DCB	6.124	8865549	35.558	DCB

Files:
Area File: 20PCBS16257005.0027.RAW
Area File: 20PCBS16257005B.0027.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/20/2016 11:31:18 PM
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AR1631624B EVAR163EV CCAL 1626399999 10736 SW-846 8082

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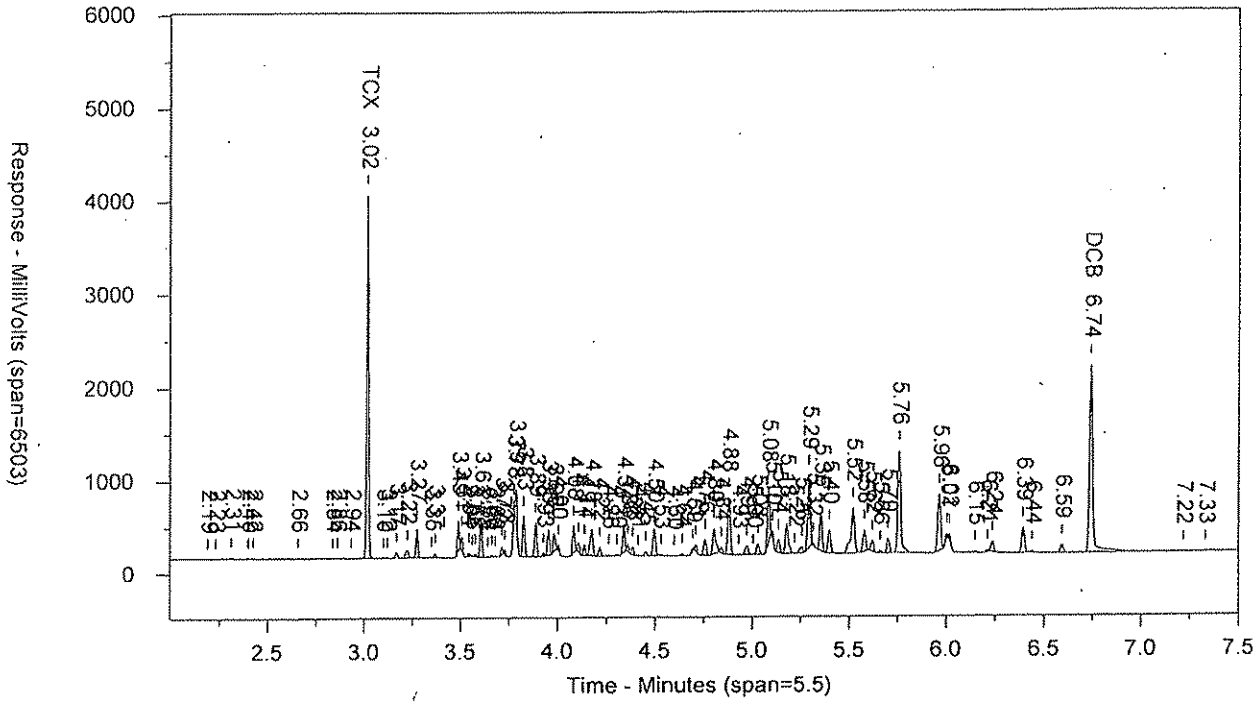

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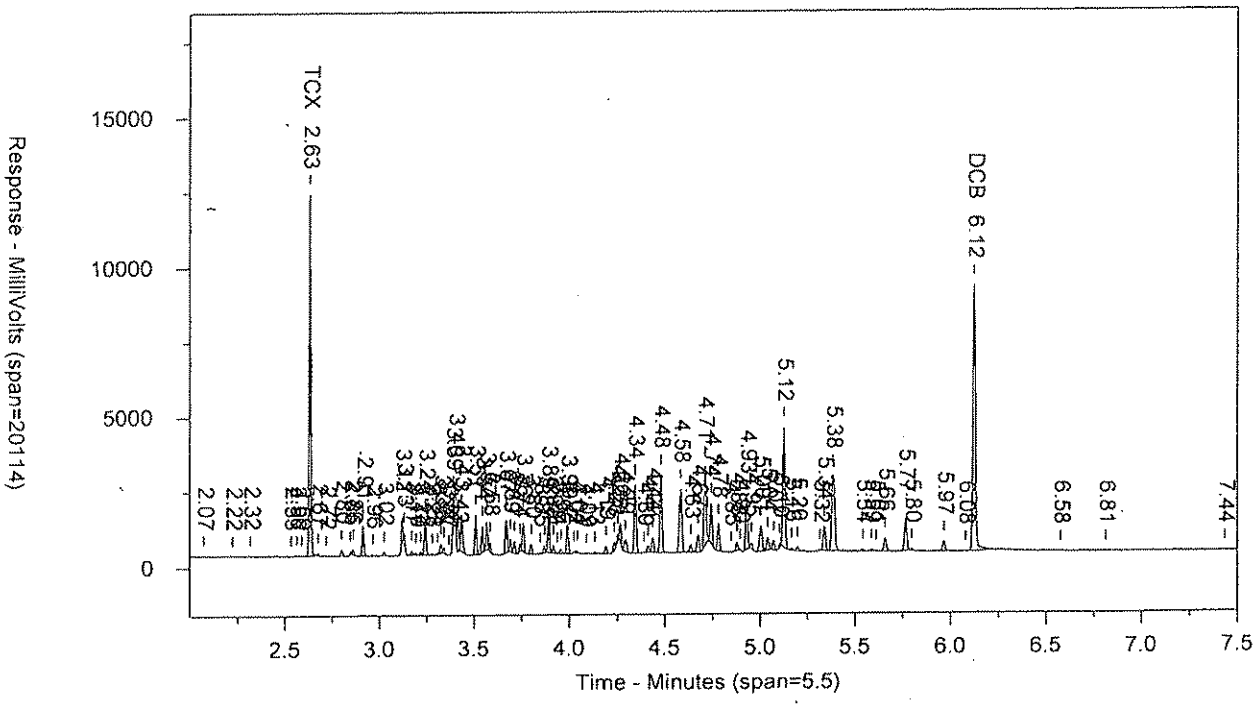

LANCASTER LABORATORIES

Sample Number: IBLKX1624B PNPIBLKPN PIBLK1626399999 10736 SW-846 8082
Injected On: 9/20/2016 11:34:05 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: 20PCBS16257005.0028.RAW
Method File: 20PCBS.MET
Calibration File: 20PCBS1625701.CAL

RT A	Compound A	Height A	Area A
2.083		653	1261
2.191		4026	9873
2.243		3010	8013
2.312		9884	7345
2.4		10396	7043
2.424		3487	2102
2.821		1220	1872
2.863		5718	8264
2.934		1602	2079
3.018	TCX	2140905	1403557
3.119		1113	1203
3.218		28961	19388
3.349		4646	3141
3.576		773	1254
3.664		12462	8429
3.757		6037	4859
3.991		610	1351
4.412		6177	7306
5.964		827	575
6.084		512	1006
6.151		4716	4478
6.214		3250	2849
6.594		10059	10496
6.741	DCB	1067312	1215067
6.857		2060	1683

LANCASTER LABORATORIES

Sample Number: IBLKX1624B PNPIBLKPN PIBLK1626399999 10736 SW-846 8082
Injected On: 9/20/2016 11:34:05 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: 20PCBS16257005B.0028.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1625701b.CAL

RT B	Compound B	Height B	Area B
2.022		3366	5783
2.074		11746	9390
2.175		2262	3179
2.222		2135	2336
2.429		1724	2044
2.529		4431	2791
2.562		31061	26848
2.631	TCX	6731678	4024113
2.716		2446	3665
2.794		3524	2108
2.848		86146	52556
2.964		18286	10766
3.126		1883	2136
3.165		2005	2885
3.194		2561	2431
3.306		44155	26359
3.339		29467	18626
3.402		5311	5417
3.424		3241	3893
3.611		1713	781
3.694		4592	4814
3.726		2680	2955
3.955		6666	11884
4.089		22138	21501
4.245		3164	8685
4.514		2003	2007
4.599		2110	3656
4.708		2211	2065
5.124		4591	6062
5.199		3384	7356
5.542		17327	16130
5.61		10157	8561
5.764		2020	3440
5.965		40282	35062
6.125	DCB	4885401	4442282
6.255		3800	3187
6.578		4333	4032
8.231		4696	9286

IBLKX1624B PNPIBLKPN PIBLK1626399999 10736 SW-846 8082

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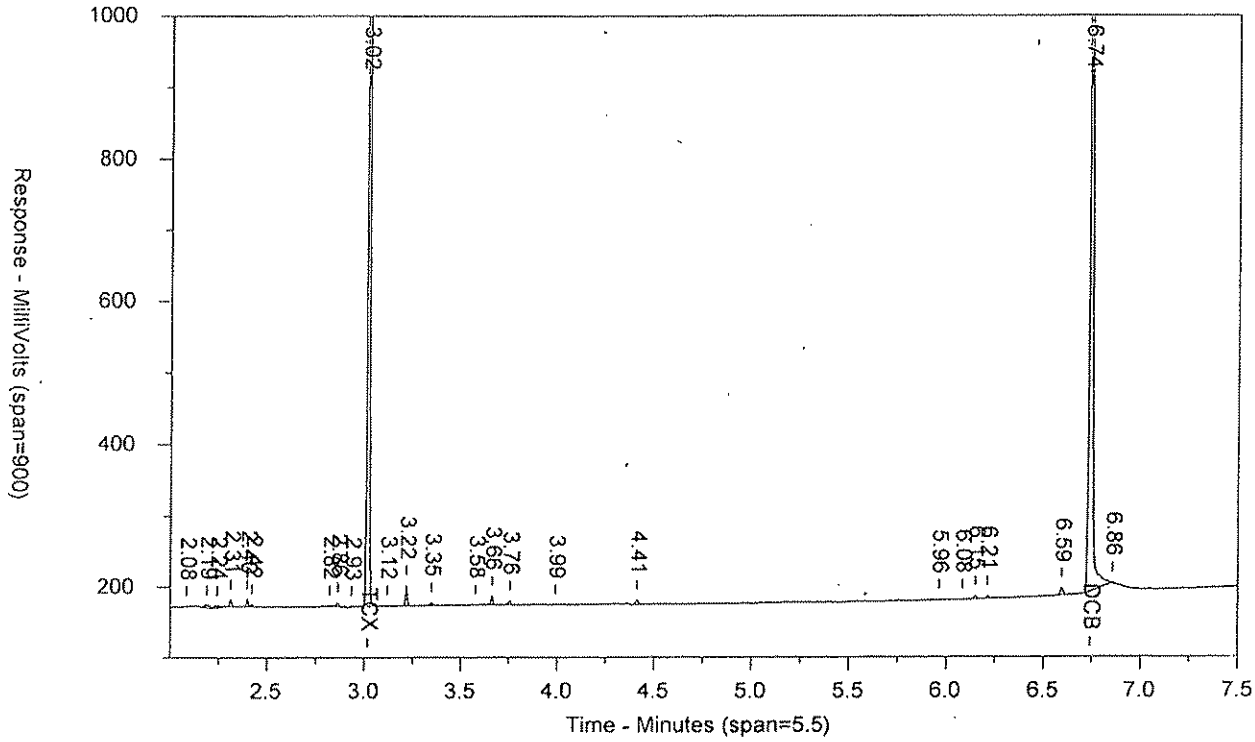

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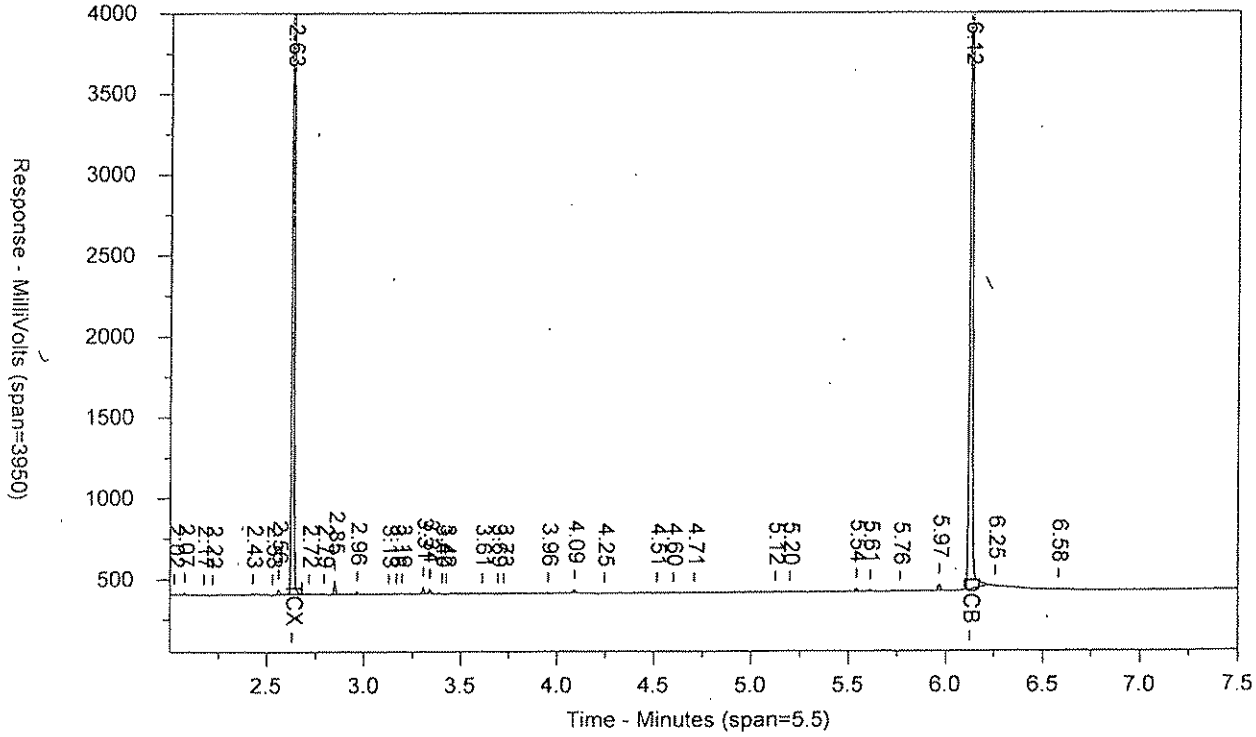

LANCASTER LABORATORIES

Sample Number: IBLKX1624B PNPIBLKPN PIBLK1626399999 10736 SW-846 8082
Injected On: 9/20/2016 11:34:05 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
3.018	2140905	.208	TCX	2.631	6731678	.209	TCX
6.741	1067312	.183	DCB	6.125	4885401	.196	DCB

Files:
Area File: 20PCBS16257005.0028.RAW
Area File: 20PCBS16257005B.0028.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20PCBS1625701.CAL
Calibration File B: 20pcbs1625701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 9/20/2016 11:42:48 PM
File Reported On: 9/20/2016 at 11:42:58 PM

IBLKX1624B PNPIBLKPN PIBLK1626399999 10736 SW-846 8082

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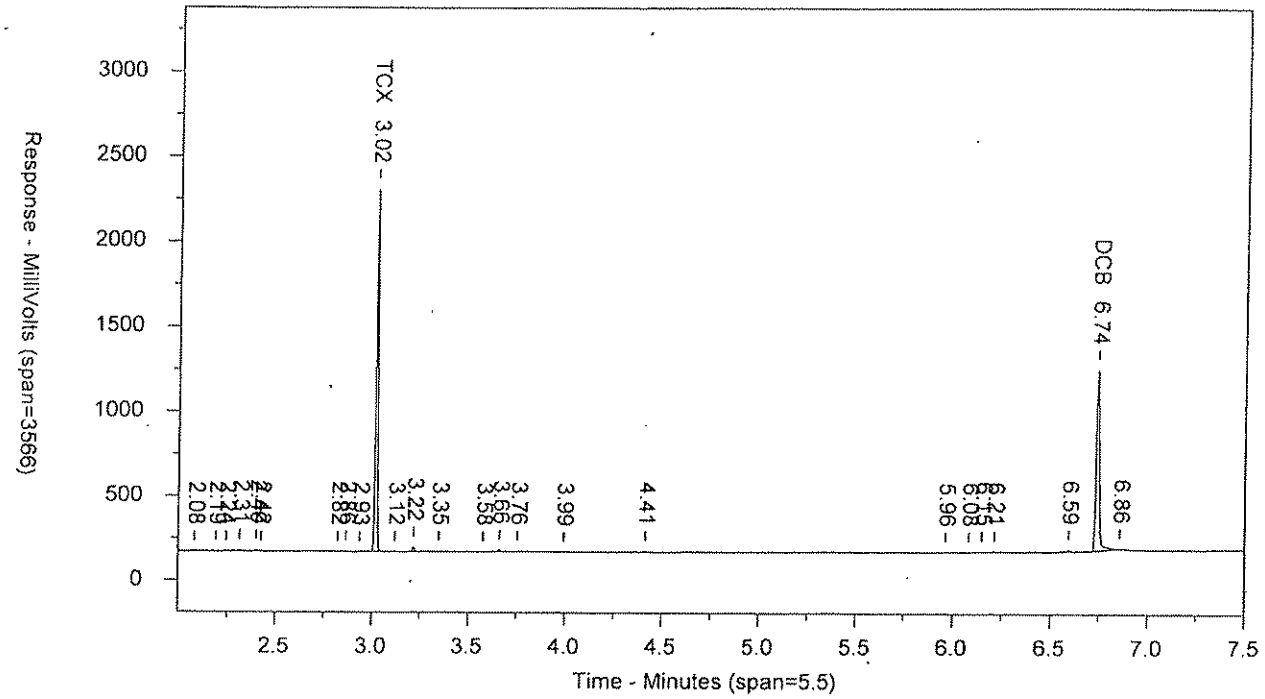

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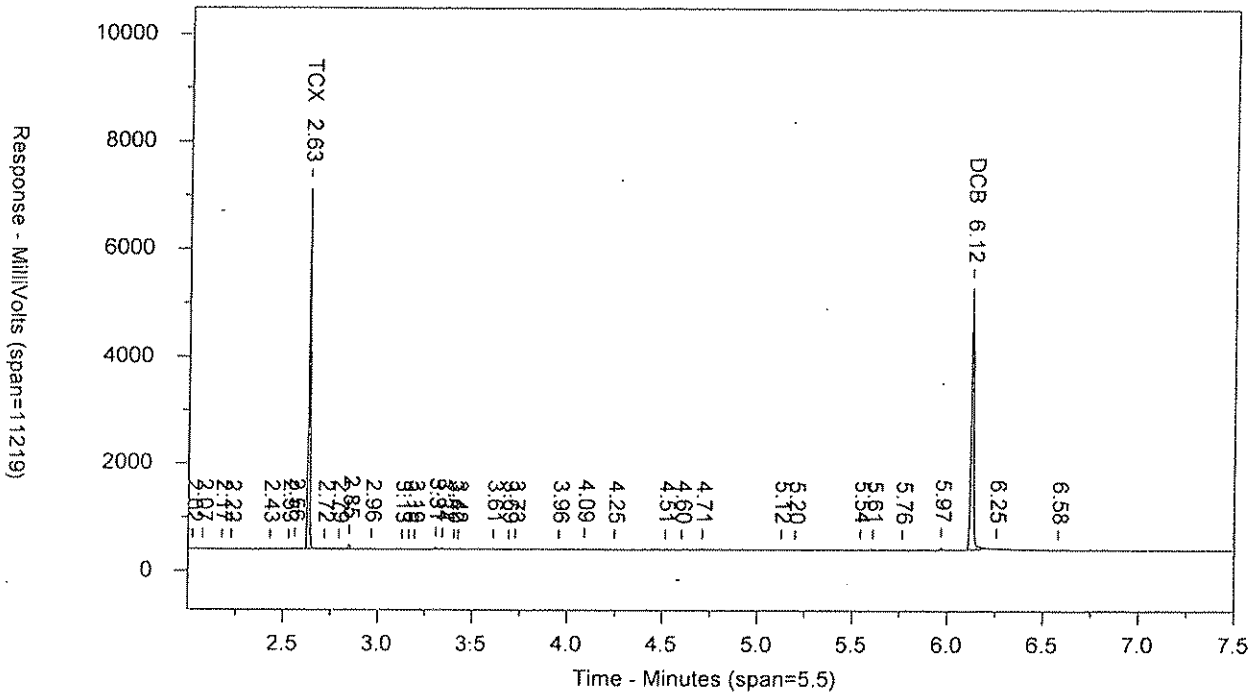

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 9/10/16 ACF PBLK10253 BLK Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 02:19:25
Instrument	18274A
Result file	25PCBS16207031.0035.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 116% (46 - 148) Conc: 34.00917
%SSR(DCB) 121% (49 - 139) Conc: 35.36648

Analysis Report (B)

Injected on	Sep 12, 2016 02:19:25
Instrument	18274B
Result file	25PCBS16207031B.0035.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 114% (46 - 148) Conc: 33.37249
%SSR(DCB) 100% (49 - 139) Conc: 29.15218

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4601268	34.00917	Tetrachloro-m-xylene	2.57	2.60	2.63	8196694	33.37249
Decachlorobiphenyl	6.60	6.63	6.66	2363998	35.36648	Decachlorobiphenyl	6.05	6.07	6.11	5545846	29.15218

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	34.00917				1.89	
☐ Decachlorobiphenyl	A	35.36648				19.26	

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: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 9/10/16 ACF PBLK10253 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

ND

Analysis Report (A)

Injected on : Sep 12, 2016 02:19:25
Instrument : P 25--18274A
Result file : 25PCBS16207031.0035.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 116% (46-148) Conc.: 34.00917
%SSR(DCB) : 121% (49-139) Conc.: 35.36648

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	38.30	
3.17	3.20	3.21	2160.276	0.943548			1
3.39	3.40	3.43	3499.154	1.554754			2
3.73	3.74	3.77	3775.155	1.21775			4
3.79	3.79	3.83	5048.626	1.912353			5
+ 3.79	3.83	3.83	1760.858	0.66699			5
3.98	4.01	4.02	1408.064	0.691407			6
Height Summation:			15891.275				
Amount Avg CF:			1.263963	Linear:			
Aroclor-1221					2	116.37	
3.13	3.13	3.17	6970.119	7.053848			2
3.17	3.20	3.21	2160.276	0.685551			3
Height Summation:			9130.395				
Amount Avg CF:			3.869699	Linear:			
Aroclor-1232					5	52.48	
3.17	3.20	3.21	2160.276	0.705781			1
3.39	3.40	3.43	3499.154	2.798226			2
3.73	3.74	3.77	3775.155	2.225202			4
3.79	3.79	3.83	5048.626	3.537719			5
+ 3.79	3.83	3.83	1760.858	1.233884			5
3.99	4.01	4.02	1408.064	1.393219			6
Height Summation:			15891.275				
Amount Avg CF:			2.13203	Linear:			
Aroclor-1242					5	38.63	
3.17	3.20	3.21	2160.276	1.291147			1
3.39	3.40	3.43	3499.154	2.219951			2
3.73	3.74	3.77	3775.155	1.728642			4
3.79	3.79	3.83	5048.626	2.678295			5
+ 3.79	3.83	3.83	1760.858	0.934135			5
3.98	4.01	4.02	1408.064	0.975887			6
Height Summation:			15891.275				
Amount Avg CF:			1.778784	Linear:			
Aroclor-1248					5	89.58	
3.79	3.79	3.83	5048.626	3.375014			1
+ 3.79	3.83	3.83	1760.858	1.177136			1
3.85	3.87	3.89	2062.656	0.816155			2
3.98	4.01	4.02	1408.064	0.488332			3
4.25	4.28	4.29	1621.033	0.653871			5
4.64	4.65	4.68	2314.46	1.279033			6
Height Summation:			12454.839				
Amount Avg CF:			1.322481	Linear:			
Aroclor-1254					6	38.94	
4.23	4.23	4.27	4291.009	1.409883			1
4.58	4.58	4.62	3222.241	1.103496			2
4.64	4.65	4.68	2314.46	0.422117			3
4.77	4.77	4.81	2938.793	1.651877			4
4.86	4.86	4.90	3282.746	0.941377			5
+ 4.86	4.89	4.90	1949.584	0.559072			5
5.06	5.06	5.10	4505.105	1.562238			6
Height Summation:			20554.354				
Amount Avg CF:			1.181831	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 02:19:25
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0035.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 114% (46-148) Conc.: 33.37249
%SSR(DCB) : 100% (49-139) Conc.: 29.15218

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	103.06	
+ 2.87	2.89	2.91	3791.906	0.941701			1
2.87	2.90	2.91	4687.029	1.164			1
3.19	3.23	3.23	27085.61	5.434417			2
3.39	3.39	3.43	1846.312	0.34652			3
+ 3.63	3.64	3.67	2495.203	0.536175			5
3.63	3.66	3.67	5937.727	1.275912			5
+ 3.72	3.72	3.76	1497.991	0.374668			6
3.72	3.74	3.76	5929.11	1.482953			6
Height Summation:			45485.788				
Amount Avg CF:			1.94076	Linear:			
Aroclor-1221					3	86.15	
2.75	2.75	2.79	5688.015	2.531359			1
2.81	2.82	2.85	8816.599	6.157445			2
+ 2.81	2.84	2.85	5010.793	3.499499			2
+ 2.87	2.89	2.91	3791.906	0.657383			3
2.87	2.90	2.91	4687.029	0.812566			3
Height Summation:			19191.643				
Amount Avg CF:			3.167123	Linear:			
Aroclor-1232					4	98.42	
+ 2.87	2.89	2.91	3791.906	0.67125			1
2.87	2.90	2.91	4687.029	0.829706			1
3.20	3.23	3.24	27085.61	10.040428			2
+ 3.63	3.64	3.67	2495.203	1.130202			5
3.63	3.66	3.67	5937.727	2.689492			5
3.72	3.74	3.76	5929.11	2.924158			6
Height Summation:			43639.476				
Amount Avg CF:			4.120946	Linear:			
Aroclor-1242					4	87.93	
+ 2.87	2.89	2.91	3791.906	1.278087			1
2.87	2.90	2.91	4687.029	1.579794			1
3.20	3.23	3.24	27085.61	7.375894			2
+ 3.63	3.64	3.67	2495.203	0.740623			5
3.63	3.66	3.67	5937.727	1.762428			5
3.72	3.74	3.76	5929.11	2.019913			6
Height Summation:			43639.476				
Amount Avg CF:			3.184507	Linear:			
Aroclor-1248					5	74.91	
+ 3.50	3.51	3.54	3428.875	0.640149			1
3.50	3.54	3.54	8554.94	1.597152			1
+ 3.63	3.64	3.67	2495.203	0.385278			2
3.63	3.66	3.67	5937.727	0.91683			2
+ 3.72	3.72	3.76	1497.991	0.316941			3
3.72	3.74	3.76	5929.11	1.254465			3
3.85	3.86	3.89	2628.023	0.292555			4
4.37	4.37	4.40	7756.293	3.19443			6
Height Summation:			30806.093				
Amount Avg CF:			1.451087	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 9/10/16 ACF PBLK10253 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 02:19:25
Instrument : P 25--18274A
Result file : 25PCBS16207031.0035.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	37.83	
4.76	4.77	4.80	2938.793	0.738192			1
4.96	4.97	5.00	8070.239	1.873449			2
5.23	5.24	5.27	6219.601	2.371957			3
5.40	5.41	5.44	6960.48	2.121552			4
5.64	5.64	5.68	11751.08	1.715974			5
+ 5.64	5.67	5.68	2478.442	0.361919			5
5.84	5.85	5.88	11566.95	2.962016			6
Height Summation:			47507.143				
Amount Avg CF:			1.963857	Linear:			
Aroclor-1262					6	33.84	
5.23	5.24	5.27	6219.601	1.324898			1
5.40	5.41	5.44	6960.48	1.701066			2
5.64	5.64	5.68	11751.08	1.259383			3
+ 5.64	5.67	5.68	2478.442	0.265619			3
5.84	5.85	5.88	11566.95	2.165203			4
5.90	5.90	5.94	5531.658	2.031998			5
+ 5.90	5.93	5.94	1906.52	0.700341			5
6.28	6.28	6.32	9991.209	3.011101			6
+ 6.28	6.32	6.32	3295.24	0.993103			6
Height Summation:			52020.978				
Amount Avg CF:			1.915608	Linear:			
Aroclor-1268					5	53.45	
5.84	5.85	5.88	11566.95	1.065437			1
5.90	5.90	5.94	5531.658	0.602949			2
+ 5.90	5.93	5.94	1906.52	0.20781			2
6.03	6.04	6.07	11166.16	1.269589			3
6.10	6.10	6.14	4974.418	2.040414			4
6.28	6.28	6.32	9991.209	2.651303			5
+ 6.28	6.32	6.32	3295.24	0.874437			5
Height Summation:			43230.395				
Amount Avg CF:			1.525938	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 02:19:25
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0035.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					5	62.33	
4.15	4.15	4.19	2656.014	0.362802			1
4.30	4.31	4.34	6799.184	1.133683			3
4.37	4.37	4.41	7756.293	0.958563			4
4.43	4.44	4.47	12225.86	2.519539			5
4.58	4.59	4.62	7819.599	1.383355			6
Height Summation:			37256.95				
Amount Avg CF:			1.271588	Linear:			
Aroclor-1260					6	40.31	
4.29	4.31	4.33	6799.184	0.700327			1
4.43	4.44	4.47	12225.86	1.112515			2
4.53	4.54	4.57	8133.928	0.887488			3
4.88	4.89	4.92	13803.83	1.889739			4
+ 4.88	4.91	4.92	1573.021	0.215346			4
5.07	5.08	5.11	31554.21	1.948848			5
5.33	5.34	5.37	20260.76	1.867553			6
Height Summation:			92777.772				
Amount Avg CF:			1.401078	Linear:			
Aroclor-1262					6	35.84	
4.69	4.70	4.73	13382.14	1.076273			1
4.88	4.89	4.92	13803.83	1.088024			2
+ 4.88	4.91	4.92	1573.021	0.123986			2
5.07	5.08	5.11	31554.21	1.355186			3
5.28	5.29	5.32	18811.55	1.959692			4
5.33	5.34	5.37	20260.76	1.27521			5
5.71	5.72	5.75	20819.47	2.438925			6
Height Summation:			118631.96				
Amount Avg CF:			1.532218	Linear:			
Aroclor-1268					6	81.02	
5.29	5.29	5.33	18811.55	0.658725			1
5.33	5.34	5.37	20260.76	0.732928			2
5.49	5.49	5.53	30667.46	1.265989			3
5.55	5.56	5.59	20676.24	3.554393			4
5.71	5.72	5.75	20819.47	2.124674			5
5.91	5.91	5.95	36643.66	0.454763			6
Height Summation:			147879.14				
Amount Avg CF:			1.465245	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		** 42.24	4	40	
Aroclor-1221			51	15.3		19.97	3	5	
Aroclor-1232			51	12.3		** 63.62	4	10	
Aroclor-1242			51	12.3		** 56.64	4	30	
Aroclor-1248			51	9.9		9.27	4	40	
Aroclor-1254			51	13.2		7.32	4	40	
Aroclor-1260			51	11.7		33.45	4	40	
Aroclor-1262			51	9.9		22.24	4	40	
Aroclor-1268			51	9.9		4.06	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/16 ACF ABPBLK10253 BLK 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:19:25 AM 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: 25pcbs16207031.0035.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.039		4683	7899
2.087		14695	12557
2.13		340444	244180
2.201		6908	3899
2.217		16131	9413
2.283		1211	814
2.308		9821	5786
2.328		8765	5512
2.388		237621	164712
2.424		9766	9131
2.463		4676	3734
2.502		9364	9971
2.535		5668	3237
2.567		2319	1602
2.658		3518	4059
2.698		9450	7032
2.741		67665	67189
2.782		2922	1791
2.808		2390	2018
2.844		1149	869
2.874		12074	9018
2.925	TCX	4601268	2959037
3.01		1571	1685
3.109		2745	2309
3.125		6970	4272
3.171		1939	1665
3.197		2160	1386
3.233		2132	1406
3.257		5455	3828
3.288		1521	1096
3.319		2107	2059
3.4		3499	3662
3.491		11429	12691
3.555		1559	1950
3.591		14386	10342
3.63		1127	499
3.661		13888	10069
3.716		1670	1346
3.739		3775	4471
3.793		5049	4843
3.826		1761	1808
3.865		2063	2337
3.897		1471	1142
3.922		3270	2402
3.971		1267	996
4.009		1408	639
4.061		1908	3555
4.111		2428	2967
4.201		23231	22725
4.232		4291	2753
4.281		1621	1032
4.306		2282	1629
4.399		7775	19479
4.485		1629	2094

RT A	Compound A	Height A	Area A
4.533		2398	2131
4.582		3222	5454
4.646		2314	2824
4.689		1539	1118
4.767		2939	3987
4.862		3283	3424
4.892		1950	2064
4.967		8070	15700
5.035		1240	2145
5.064		4505	5291
5.131		2558	2936
5.178		6529	6956
5.24		6220	6625
5.283		3959	3809
5.34		2326	3387
5.406		6960	11162
5.506		1918	7312
5.549		2407	2535
5.592		3176	3137
5.645		11751	10226
5.667		2478	1440
5.692		1679	1497
5.769		3538	9770
5.8		2599	2603
5.848		11567	11734
5.904		5532	10846
5.933		1907	1605
5.964		3846	2892
6.037		11166	15984
6.1		4974	4489
6.152		6292	12757
6.209		5643	12162
6.281		9991	11540
6.315		3295	2777
6.375		10358	20679
6.48		26675	32345
6.529		11568	26059
6.587		3679	3068
6.625	DCB	2363998	2400165
6.698		3533	2552
6.748		5050	8863
6.818		19518	63442
6.887		4577	3419
6.917		11249	30557

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/16 ACF ABPBLK10253 BLK 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:19:25 AM 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: 25pcbs16207031B.0035.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.043		14062	13699
2.103		382228	240705
2.167		5269	2643
2.186		11932	8396
2.219		11173	9730
2.251		2257	1045
2.271		6682	3704
2.308		1851	1712
2.345		9621	10501
2.377		13663	8652
2.421		58036	35170
2.447		87280	51259
2.522		1174	947
2.552		1130	1321
2.575		18793	10266
2.599	TCX	8196694	4744317
2.662		3069	1689
2.7		1999	1068
2.72		6155	3441
2.753		5688	7598
2.798		2094	1534
2.817		8817	4676
2.844		5011	4747
2.885		3792	1844
2.905		4687	2593
2.932		11373	9654
2.978		3017	2335
3.023		2552	1639
3.053		3707	3380
3.105		3541	2989
3.13		5548	4681
3.167		20624	11984
3.191		3678	2422
3.228		27086	16023
3.255		2678	1609
3.274		3350	1673
3.304		24052	14704
3.346		12944	13366
3.389		1846	1796
3.445		4218	4900
3.512		3429	2362
3.539		8555	8471
3.591		3538	3132
3.638		2495	2629
3.662		5938	5005
3.7		4614	3370
3.718		1498	873
3.739		5929	6723
3.793		3213	1981
3.81		8603	6022
3.841		2711	1665
3.858		2628	1620
3.92		47296	41417
3.957		2132	968

RT B	Compound B	Height B	Area B
3.972		1927	1030
3.988		8943	5185
4.051		8554	8284
4.094		1628	1777
4.128		4099	2356
4.153		2656	1984
4.204		11869	17987
4.306		6799	7810
4.374		7756	5529
4.41		3500	4575
4.441		12226	7944
4.497		5254	4891
4.543		8134	8483
4.589		7820	6667
4.632		6933	8833
4.667		14141	13538
4.701		13382	10214
4.737		6684	5214
4.811		1915	3080
4.851		1750	2392
4.886		13804	11187
4.909		1573	1300
4.957		8855	9769
4.994		2515	2575
5.028		4195	3185
5.053		1943	706
5.078		31554	24979
5.152		11164	10650
5.225		2458	6431
5.292		18812	13975
5.337		20261	18257
5.398		4359	5632
5.492		30667	46351
5.56		20676	22000
5.609		10067	8764
5.648		4320	7772
5.717		20819	26022
5.804		7256	7992
5.86		5218	12898
5.915		36644	29149
5.962		3817	4674
5.983		2857	2024
6.032		6474	9838
6.074	DCB	5545846	4738739
6.191		9631	24920
6.289		3524	4219
6.306		2224	1225
6.327		4035	3021
6.36		11696	13024
6.399		5750	5040
6.42		13125	15151
6.457		4856	3212
6.49		6773	6722
6.543		9878	7031
6.574		2274	1589
6.598		4915	2493
6.625		6530	3336
6.689		4801	8703
6.702		3187	991
6.756		11473	16294
6.814		9002	10830
6.851		14146	24630
6.914		19186	49663

BLANKA 9/10/16 ACF ABPBLK10253 BLK 162530010A 10225 SW-846 8082

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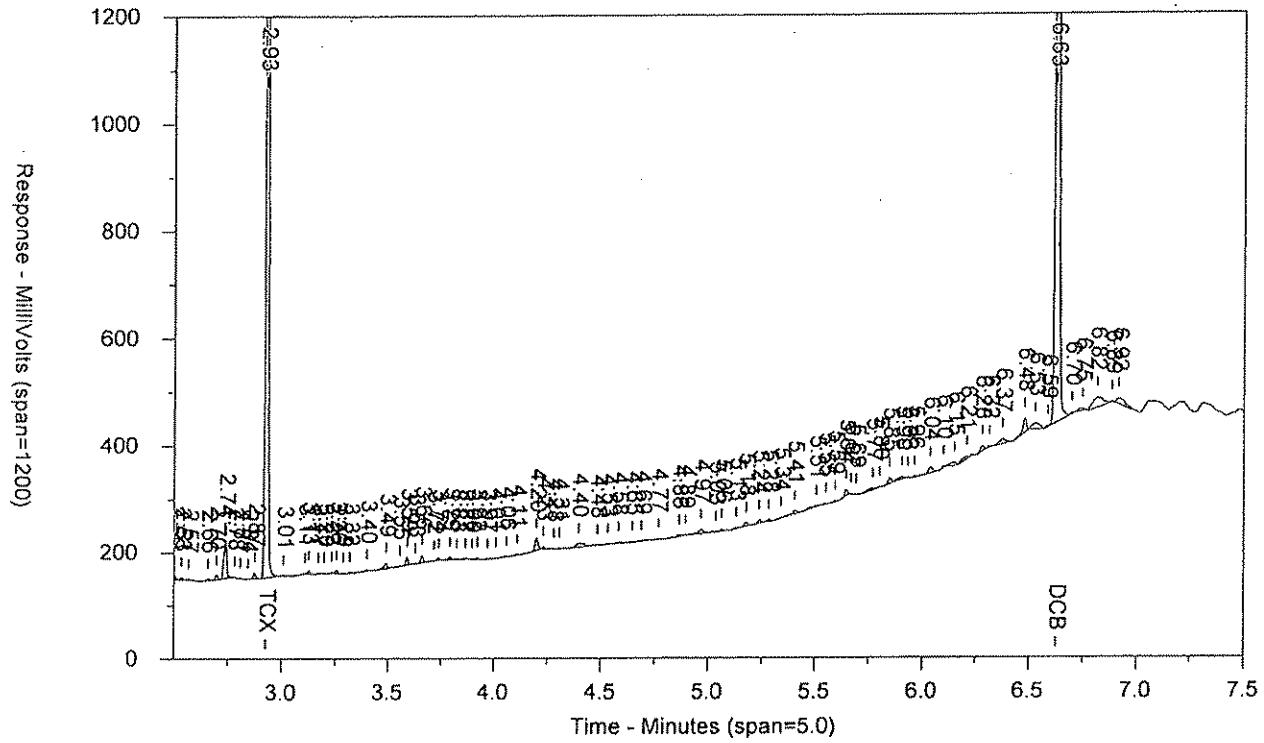

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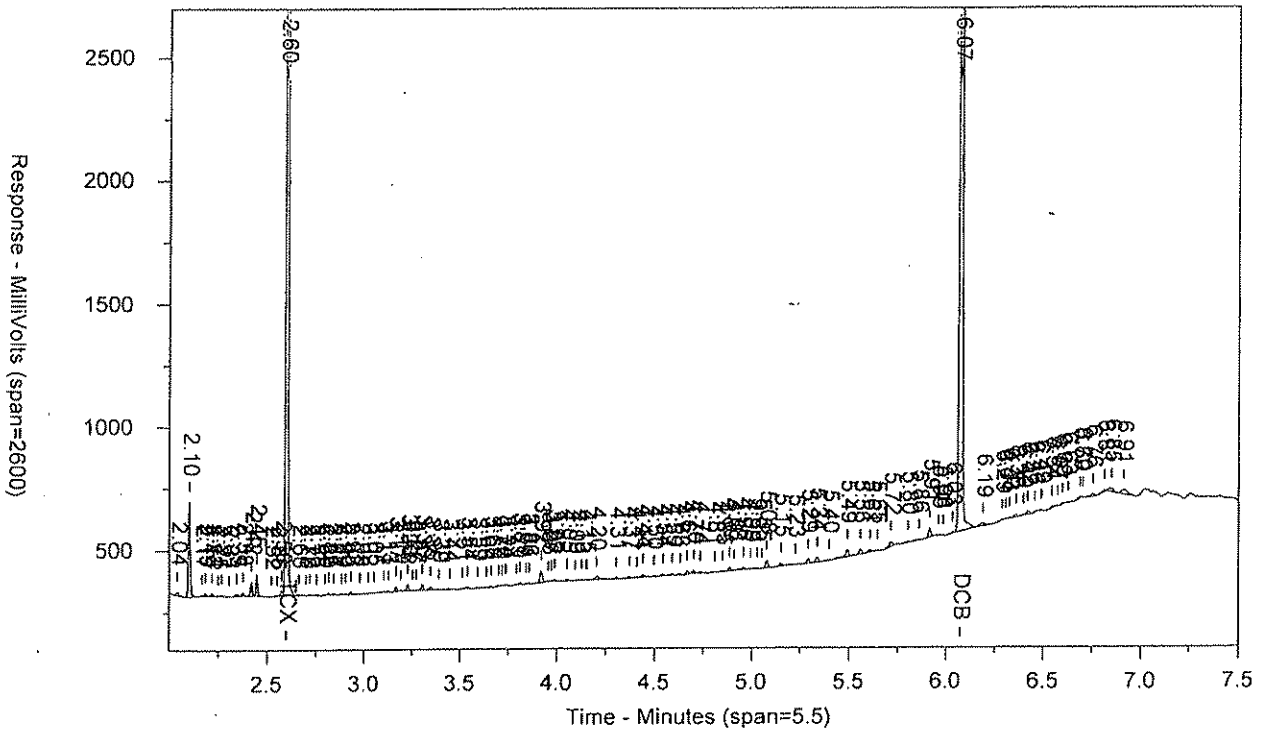

LANCASTER LABORATORIES

Sample Number: BLANKA 9/10/16 ACF ABPBLK10253 BLK 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:19:25 AM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
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	4601268	34.009	TCX	2.599	8196694	33.372	TCX
6.625	2363998	35.366	DCB	6.074	5545846	29.152	DCB

Files:
Area File: 25pcbs16207031.0035.RAW
Area File: 25pcbs16207031B.0035.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 2:27:56 AM
File Reported On: 9/12/2016 at 2:28:07 AM

BLANKA 9/10/16 ACF ABPBLK10253 BLK 162530010A 10225 SW-846 8082

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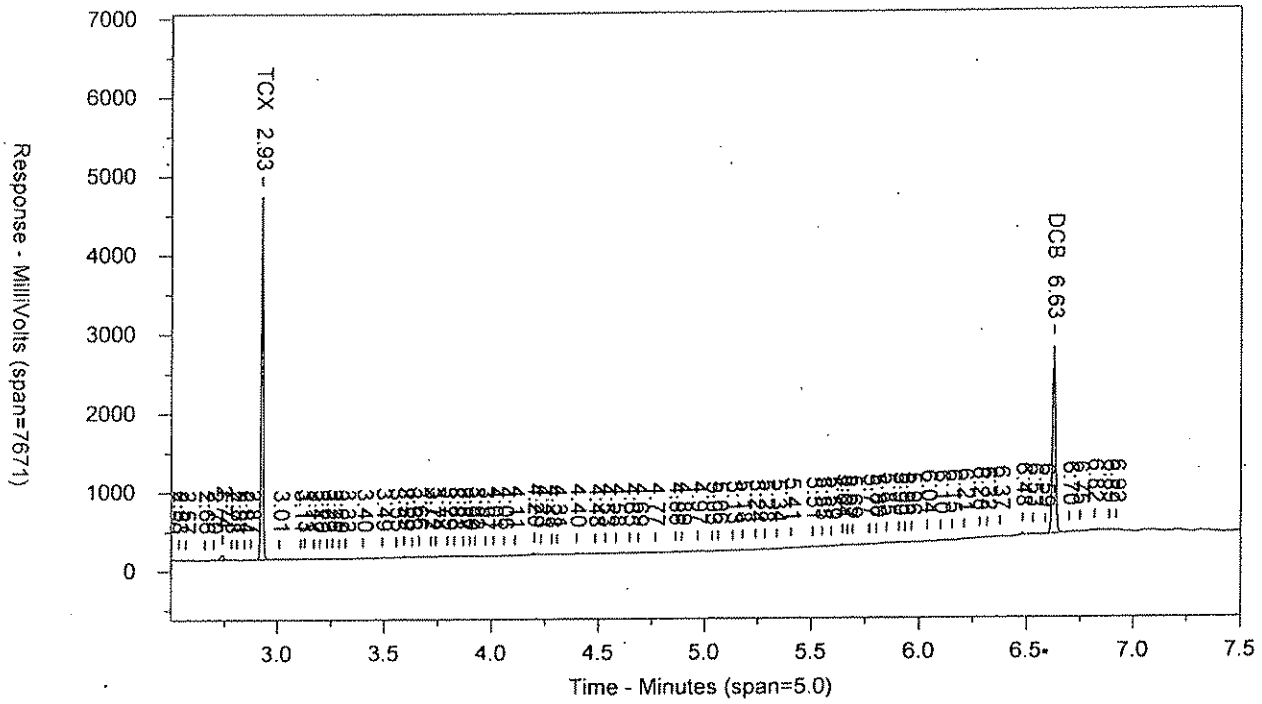

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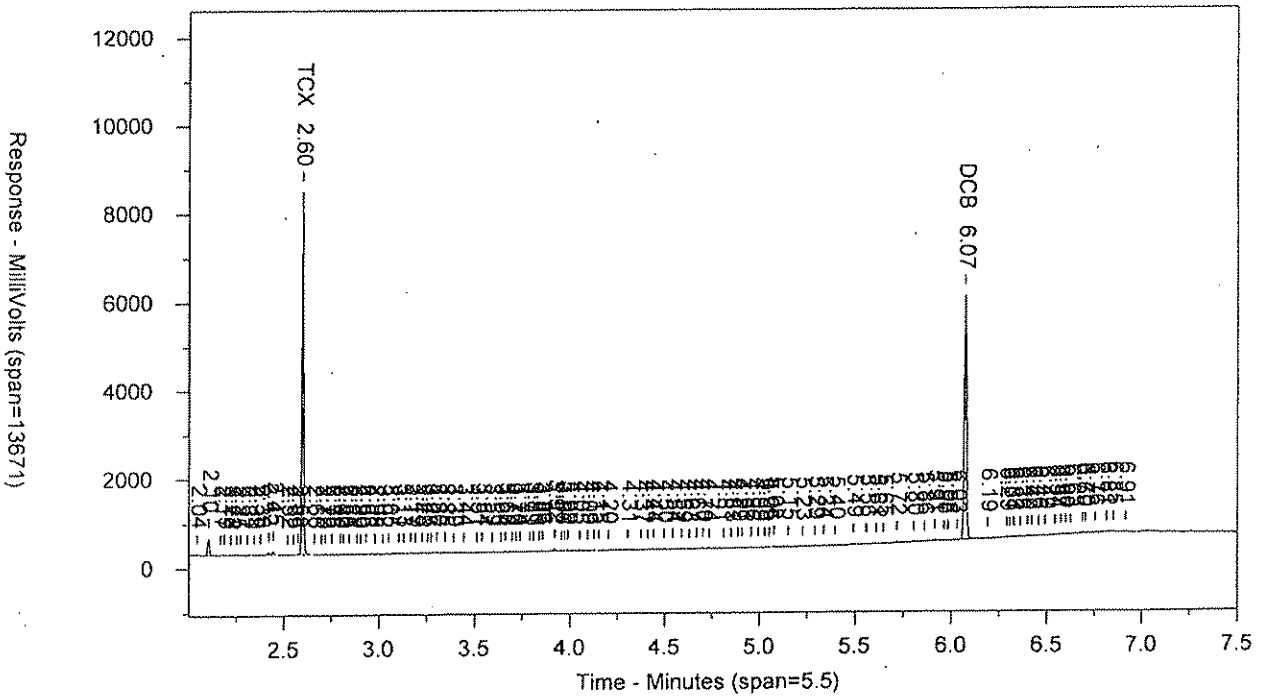

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Data Summary

Sample Name: LCSA 9/10/16 ACF LCS10253 LCS Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 02:30:43
Instrument	18274A
Result file	25PCBS16207031.0036.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 113% (46 - 148) Conc: 33.16245
%SSR(DCB) 122% (49 - 139) Conc: 35.81175

Analysis Report (B)

Injected on	Sep 12, 2016 02:30:43
Instrument	18274B
Result file	25PCBS16207031B.0036.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 114% (46 - 148) Conc: 33.4147
%SSR(DCB) 108% (49 - 139) Conc: 31.51812

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4486712	33.16245
Decachlorobiphenyl	6.60	6.63	6.66	2393761	35.81175

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	8207060	33.4147
Decachlorobiphenyl	6.05	6.07	6.11	5995937	31.51812

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	33.4147				0.76	
☐ Decachlorobiphenyl	A	35.81175				12.75	

Multiple Component Data

Aroclor-1016 (%RSD 4.85)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
3.17	3.18	3.21	1035285	452.183669			1
3.39	3.40	3.43	1064696	473.068749			2
3.51	3.52	3.55	1295247	473.648481			3
3.73	3.73	3.77	1609049	519.030384			4
3.79	3.79	3.83	1317022	498.870571			5
3.98	3.99	4.02	1004779	493.380568			6

Height summation: **7326078**
Concentration CF: **485.030404** L:

Aroclor-1016 (%RSD 5.12)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
2.87	2.88	2.91	1947222	483.582783			1
3.19	3.21	3.23	2547157	511.057811			2
3.39	3.40	3.43	2932562	550.389315			3
3.46	3.48	3.50	3008168	549.344888			4
3.63	3.64	3.67	2523349	542.22283			5
3.72	3.73	3.76	2180487	545.370112			6

Height summation: **15138945**
Concentration CF: **530.327957** L:

Aroclor-1260 (%RSD 9.71)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.77	4.80	2118315	532.097166			1
4.96	4.97	5.00	2495822	579.387318			2
5.23	5.24	5.27	1486609	566.945198			3
5.40	5.40	5.44	1553239	473.426799			4
5.64	5.65	5.68	4350661	635.313477			5
5.84	5.85	5.88	2275444	582.686221			6

Height summation: **14280090**
Concentration CF: **561.642697** L:

Aroclor-1260 (%RSD 3.96)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.29	4.31	4.33	5250782	540.839318			1
4.43	4.44	4.47	6347606	577.612361			2
4.53	4.54	4.57	5019702	547.696804			3
4.88	4.89	4.92	4143465	567.23872			4
5.07	5.08	5.11	9776076	603.789175			5
5.33	5.34	5.37	6133840	565.391886			6

Height summation: **36671471**
Concentration CF: **567.094711** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	530.327957	51	9.9		8.92	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	567.094711	51	11.7		0.97	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	1097.422667	51	9.9				

9/20/2016

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Data Summary

Sample Name: LCSA 9/10/16 ACF LCS10253 LCS Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 02:30:43
Instrument	18274A
Result file	25PCBS16207031.0036.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 12, 2016 02:30:43
Instrument	18274B
Result file	25PCBS16207031B.0036.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/10/16 ACF LCS10253 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 02:30:43
Instrument : P 25--18274A
Result file : 25PCBS16207031.0036.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 113% (46-148) Conc.: 33.16245
%SSR(DCB) : 122% (49-139) Conc.: 35.81175

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	4.85	
3.17	3.18	3.21	1035285	452.183669			1
3.39	3.40	3.43	1064696	473.068749			2
+ 3.39	3.42	3.43	516134.4	229.330302			2
3.51	3.52	3.55	1295247	473.648481			3
3.73	3.73	3.77	1609049	519.030384			4
3.79	3.79	3.83	1317022	498.870571			5
3.98	3.99	4.02	1004779	493.380568			6
+ 3.98	4.01	4.02	348201.5	170.978746			6
Height Summation:			7326078				
Amount Avg CF:			485.030404	Linear:			
Aroclor-1221					3	38.38	
3.07	3.08	3.11	173787.8	148.034907			1
E 3.13	3.14	3.17	227164.6	229.893435			2
E 3.17	3.18	3.21	1035285	328.54144			3
Height Summation:			1436237.4				
Amount Avg CF:			235.489927	Linear:			
Aroclor-1232					6	29.53	
E 3.17	3.18	3.21	1035285	338.236687			1
E 3.39	3.40	3.43	1064696	851.423042			2
E+ 3.39	3.42	3.43	516134.4	412.745724			2
E 3.51	3.52	3.55	1295247	849.723974			3
+ 3.51	3.55	3.55	8669.039	5.68717			3
E 3.73	3.73	3.77	1609049	948.42695			4
E 3.79	3.79	3.83	1317022	922.875652			5
E 3.99	3.99	4.02	1004779	994.185949			6
E+ 3.99	4.01	4.02	348201.5	344.530527			6
Height Summation:			7326078				
Amount Avg CF:			817.478709	Linear:			
Aroclor-1242					6	5.86	
E 3.17	3.18	3.21	1035285	618.765857			1
E 3.39	3.40	3.43	1064696	675.46995			2
E+ 3.39	3.42	3.43	516134.4	327.448659			2
E 3.51	3.52	3.55	1295247	660.936412			3
+ 3.51	3.55	3.55	8669.039	4.423622			3
E 3.73	3.73	3.77	1609049	736.782843			4
E 3.79	3.79	3.83	1317022	698.679851			5
E 3.98	3.99	4.02	1004779	696.382519			6
E+ 3.98	4.01	4.02	348201.5	241.328131			6
Height Summation:			7326078				
Amount Avg CF:			681.169572	Linear:			
Aroclor-1248					6	62.38	
E 3.79	3.79	3.83	1317022	880.431157			1
3.85	3.86	3.89	904720	357.980854			2
+ 3.85	3.89	3.89	685149.6	271.100936			2
3.98	3.99	4.02	1004779	348.468662			3
+ 3.98	4.01	4.02	348201.5	120.760198			3
4.07	4.08	4.11	964973.1	410.487041			4
+ 4.25	4.26	4.29	254003	102.456457			5
4.25	4.28	4.29	270920.2	109.280299			5
4.64	4.65	4.68	613354.9	338.956479			6
Height Summation:			5075769.2				
Amount Avg CF:			407.600749	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 02:30:43
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0036.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 114% (46-148) Conc.: 33.4147
%SSR(DCB) : 108% (49-139) Conc.: 31.51812

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	5.12	
2.87	2.88	2.91	1947222	483.582783			1
3.19	3.21	3.23	2547157	511.057811			2
3.39	3.40	3.43	2932562	550.389315			3
3.46	3.48	3.50	3008168	549.344888			4
3.63	3.64	3.67	2523349	542.22283			5
+ 3.63	3.66	3.67	963330.5	207.002595			5
3.72	3.73	3.76	2180487	545.370112			6
Height Summation:			15138945				
Amount Avg CF:			530.327956	Linear:			
Aroclor-1221					3	36.59	
2.75	2.77	2.79	350406.9	155.942938			1
E 2.81	2.83	2.85	360031.1	251.442948			2
E 2.87	2.88	2.91	1947222	337.579672			3
Height Summation:			2657660				
Amount Avg CF:			248.321853	Linear:			
Aroclor-1232					6	31.67	
E 2.87	2.88	2.91	1947222	344.700546			1
E 3.20	3.21	3.24	2547157	944.211547			2
E 3.39	3.40	3.43	2932562	1019.853068			3
E 3.47	3.48	3.51	3008168	1066.264949			4
E 3.63	3.64	3.67	2523349	1142.950515			5
E+ 3.63	3.66	3.67	963330.5	436.340392			5
E 3.72	3.73	3.76	2180487	1075.387028			6
Height Summation:			15138945				
Amount Avg CF:			932.227942	Linear:			
Aroclor-1242					6	6.99	
E 2.87	2.88	2.91	1947222	656.324195			1
E 3.20	3.21	3.24	2547157	693.636205			2
E 3.39	3.40	3.43	2932562	757.015833			3
E 3.47	3.48	3.51	3008168	802.10327			4
E 3.63	3.64	3.67	2523349	748.977163			5
E+ 3.63	3.66	3.67	963330.5	285.934504			5
E 3.72	3.73	3.76	2180487	742.842202			6
Height Summation:			15138945				
Amount Avg CF:			733.483145	Linear:			
Aroclor-1248					6	12.30	
+ 3.50	3.51	3.54	2020262	377.169972			1
3.50	3.53	3.54	2197074	410.17964			1
3.63	3.64	3.67	2523349	389.624393			2
+ 3.63	3.66	3.67	963330.5	148.7456			2
3.72	3.73	3.76	2180487	461.341568			3
3.85	3.86	3.89	2897161	322.515357			4
+ 3.85	3.88	3.89	605742.2	67.431931			4
+ 4.21	4.21	4.25	587032.1	144.916134			5
4.21	4.23	4.25	1753184	432.795152			5
+ 4.37	4.37	4.40	489238.5	201.492932			6
4.37	4.40	4.40	1091229	449.422788			6
Height Summation:			12642484				
Amount Avg CF:			410.979816	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/10/16 ACF LCS10253 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 02:30:43
Instrument : P 25--18274A
Result file : 25PCBS16207031.0036.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	114.60	
4.23	4.24	4.27	997386.3	327.708018			1
+ 4.23	4.26	4.27	254003	83.456951			1
+ 4.58	4.58	4.62	83314.49	28.532068			2
4.58	4.60	4.62	219020.7	75.006324			2
4.64	4.65	4.68	613354.9	111.865114			3
E 4.77	4.77	4.81	2118315	1190.691392			4
4.86	4.86	4.90	304834.2	87.415772			5
+ 4.86	4.89	4.90	18241.17	5.230929			5
5.06	5.06	5.10	1287603	446.502743			6
Height Summation:			**5540514.1**				
Amount Avg CF:			**373.198227**	Linear:			
Aroclor-1260					6	9.71	
4.76	4.77	4.80	2118315	532.097166			1
4.96	4.97	5.00	2495822	579.387318			2
5.23	5.24	5.27	1486609	566.945198			3
5.40	5.40	5.44	1553239	473.426799			4
5.64	5.65	5.68	4350661	635.313477			5
5.84	5.85	5.88	2275444	582.686221			6
Height Summation:			**14280090**				
Amount Avg CF:			**561.642697**	Linear:			
Aroclor-1262					6	40.26	
E 5.23	5.24	5.27	1486609	316.677105			1
E 5.40	5.40	5.44	1553239	379.59473			2
E 5.64	5.65	5.68	4350661	466.267559			3
E 5.84	5.85	5.88	2275444	425.937629			4
5.90	5.90	5.94	251681.1	92.452489			5
E 6.28	6.28	6.32	982182	296.005123			6
Height Summation:			**10899816.1**				
Amount Avg CF:			**329.489106**	Linear:			
Aroclor-1268					6	99.76	
E 5.84	5.85	5.88	2275444	209.592103			1
5.90	5.90	5.94	251681.1	27.433156			2
6.03	6.04	6.07	52291.29	5.945503			3
+ 6.10	6.10	6.14	56654.07	23.238453			4
6.10	6.12	6.14	389553.2	159.787526			4
E 6.28	6.28	6.32	982182	260.635307			5
6.48	6.48	6.52	259420.9	10.059503			6
Height Summation:			**4210572.49**				
Amount Avg CF:			**112.242183**	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 02:30:43
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0036.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	119.74	
4.15	4.15	4.19	545082.4	74.456395			1
+ 4.21	4.21	4.25	587032.1	46.117553			2
4.21	4.23	4.25	1753184	137.731064			2
4.30	4.31	4.34	5250782	875.505546			3
+ 4.37	4.37	4.41	489238.5	60.462633			4
4.37	4.40	4.41	1091229	134.859744			4
E 4.43	4.44	4.47	6347606	1308.132025			5
4.58	4.59	4.62	561401.1	99.316729			6
Height Summation:			**15549284.5**				
Amount Avg CF:			**438.333584**	Linear:			
Aroclor-1260					6	3.96	
4.29	4.31	4.33	5250782	540.839318			1
4.43	4.44	4.47	6347606	577.612361			2
4.53	4.54	4.57	5019702	547.696804			3
4.88	4.89	4.92	4143465	567.23872			4
+ 4.88	4.91	4.92	461750.8	63.213502			4
5.07	5.08	5.11	9776076	603.789175			5
5.33	5.34	5.37	6133840	565.391886			6
Height Summation:			**36671471**				
Amount Avg CF:			**567.09471**	Linear:			
Aroclor-1262					6	25.48	
E 4.69	4.70	4.73	3351208	269.524581			1
E 4.88	4.89	4.92	4143465	326.58972			2
+ 4.88	4.91	4.92	461750.8	36.3954			2
E 5.07	5.08	5.11	9776076	419.861493			3
E 5.28	5.29	5.32	1952878	203.440897			4
E 5.33	5.34	5.37	6133840	386.063098			5
E 5.71	5.72	5.75	2379405	278.738638			6
Height Summation:			**27736872**				
Amount Avg CF:			**314.036405**	Linear:			
Aroclor-1268					6	117.90	
5.29	5.29	5.33	1952878	68.384007			1
E 5.33	5.34	5.37	6133840	221.890018			2
5.49	5.49	5.53	122591.4	5.060718			3
5.55	5.56	5.59	88755.65	15.257727			4
E 5.71	5.72	5.75	2379405	242.823684			5
+ 5.71	5.75	5.75	123545.6	12.608109			5
5.91	5.91	5.95	606445.8	7.526252			6
Height Summation:			**11283915.85**				
Amount Avg CF:			**93.490401**	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		8.92	4	40	
Aroclor-1221			51	15.3	E	5.30	3	5	
Aroclor-1232			51	12.3	E	13.12	4	10	
Aroclor-1242			51	12.3	E	7.40	4	30	
Aroclor-1248			51	9.9	E	0.83	4	40	
Aroclor-1254			51	13.2	E	16.05	4	40	
Aroclor-1260			51	11.7		0.97	4	40	
Aroclor-1262			51	9.9	E	4.80	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/10/16 ACF LCS10253 Sample ID: AB **Batchnumber: 162530010A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 02:30:43
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0036.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 02:30:43
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0036.RAW
Calibration file	: 25PCBS1620701B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			51	9.9	E	18.23	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/16 ACF ABLCS10253 LCS 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:30:43 AM 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: 25pcbs16207031.0036.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.003		3271	956
2.038		12766	10675
2.086		16230	12904
2.105		8836	4978
2.13		315280	236390
2.192		7898	8866
2.217		22139	15689
2.241		4360	3485
2.286		3616	1619
2.308		28266	17841
2.328		8182	4786
2.388		226299	161960
2.424		5539	4172
2.457		2975	2205
2.474		16960	15393
2.536		4931	3064
2.565		15338	9160
2.589		3510	3563
2.618		5189	3201
2.654		5136	3958
2.699		7881	6520
2.742		64230	62567
2.782		3641	2774
2.803		1810	821
2.857		884	711
2.874		10708	7981
2.925	TCX	4486712	2972803
3.079		173788	146206
3.109		2416	1144
3.137		227165	161296
3.185		1035285	726784
3.232		2695	2044
3.258		3846	2074
3.278		134096	91469
3.316		5383	2987
3.34		1875	1664
3.365		1082	686
3.4		1064697	643295
3.417		516134	274567
3.454		150541	123488
3.487		103229	60925
3.516		1295247	952989
3.551		8669	9274
3.59		62159	41692
3.627		278141	160016
3.641		152444	72249
3.686		656705	385918
3.697		1566450	748409
3.734		1609049	1162632
3.793		1317022	1022880
3.833		103325	74412
3.86		904720	640104
3.888		685150	556301
3.91		227889	124090

RT A	Compound A	Height A	Area A
3.985		1004779	720353
4.01		348202	224677
4.04		380386	277064
4.077		964973	1004622
4.116		308746	253632
4.162		46492	35606
4.201		74723	67106
4.235		997386	743493
4.256		254003	153056
4.28		270920	200333
4.347		147275	129257
4.391		984452	889886
4.424		19626	11425
4.489		9053	7462
4.531		71574	64867
4.584		83314	53899
4.599		219021	147893
4.645		613355	549467
4.69		943221	1042531
4.728		212614	154074
4.768		2118315	1980026
4.815		5107	4422
4.859		304834	347224
4.888		18241	10791
4.915		374791	346521
4.969		2495822	3096465
5.019		469160	414791
5.062		1287603	1375516
5.104		11932	6328
5.141		237654	270537
5.177		3077081	3334733
5.24		1486609	1331195
5.283		920887	886510
5.383		78059	105937
5.405		1553239	1420883
5.464		809530	755380
5.504		416850	366495
5.544		90548	85400
5.589		576633	566078
5.645		4350661	4437993
5.851		2275444	2401783
5.892		137949	171085
5.904		251681	169334
6.007		1080	907
6.037		52291	53533
6.1		56654	39296
6.124		389553	353452
6.237		3588	13780
6.282		982182	986438
6.326		55459	51760
6.448		2410	2353
6.481		259421	263919
6.526		2359	2999
6.627	DCB	2393761	2482911
6.767		1597	3977
6.812		2535	5223
6.867		3027	2710
6.924		4817	18537

LANCASTER LABORATORIES

Sample Number: LCSA 9/10/16 ACF ABLCS10253 LCS 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:30:43 AM 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: 25pcbs16207031B.0036.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

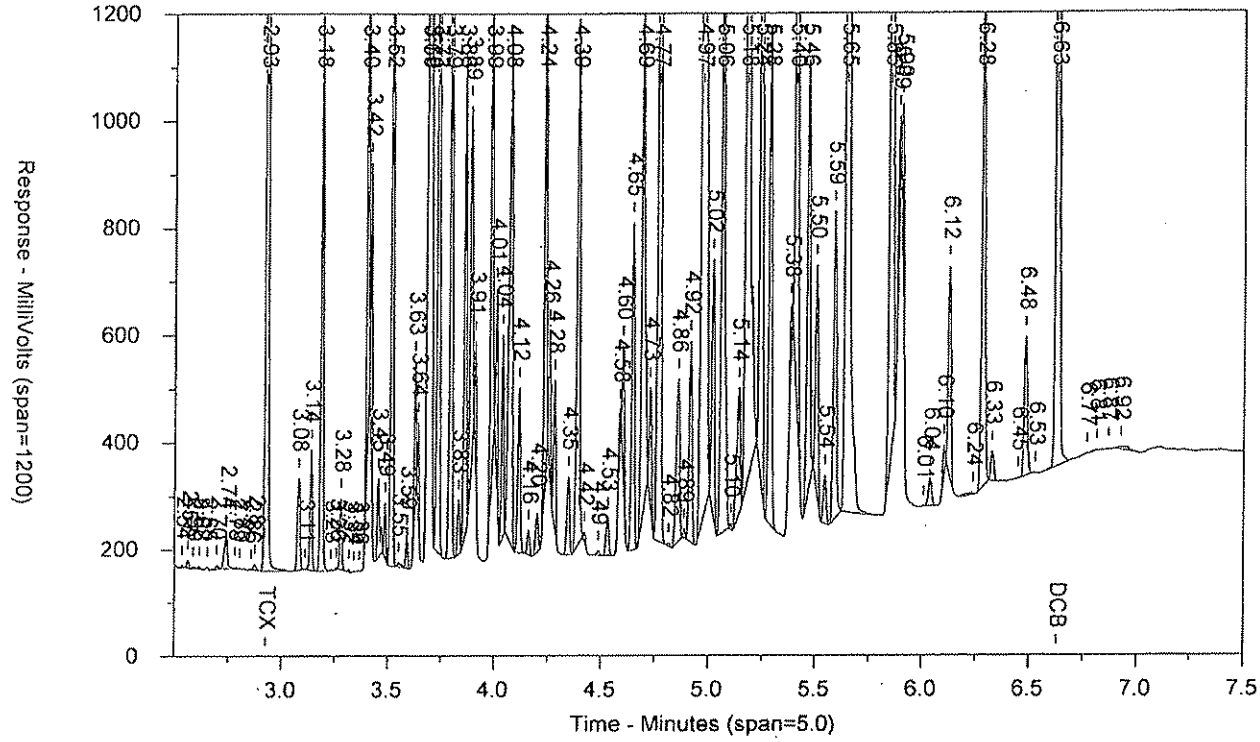
RT B	Compound B	Height B	Area B
2.023		10147	7216
2.042		14736	9389
2.069		4347	2200
2.087		16216	7097
2.103		348654	203776
2.129		8431	4228
2.146		3338	1859
2.173		16242	23128
2.22		11691	9812
2.256		3378	2233
2.272		3891	1566
2.286		16561	12746
2.323		3512	1697
2.34		7829	7670
2.379		10838	11645
2.421		51730	30186
2.447		88301	46464
2.466		4714	2887
2.52		2787	1213
2.538		3928	2524
2.556		7072	3060
2.576		18127	9873
2.599	TCX	8207061	4715751
2.643		149932	108312
2.68		4550	2298
2.72		7662	4642
2.75		1572	1184
2.77		350407	212086
2.797		3902	2827
2.831		360031	225098
2.883		1947222	1159278
2.932		14848	14838
2.993		244315	150602
3.019		3231	2309
3.051		2291	2148
3.066		1646	757
3.089		2530782	2328529
3.14		282765	173605
3.162		129935	73821
3.187		199828	107035
3.211		2547157	1590093
3.247		78044	42821
3.294		676909	337255
3.309		368799	177531
3.359		1557890	732569
3.369		3180426	1338047
3.402		2932562	2058532
3.476		3008168	1744567
3.511		2020262	1205897
3.534		2197074	1184853
3.552		701008	350121
3.637		2523349	1568863
3.66		963331	502886
3.681		884718	493314

RT B	Compound B	Height B	Area B
3.709		576748	291044
3.726		2180487	1248570
3.766		695135	476428
3.814		95896	76997
3.836		558476	325718
3.858		2897161	1766848
3.882		605742	344294
3.902		86447	42423
3.921		331631	207995
3.956		2288575	1445597
3.989		106647	59824
4.005		150114	96324
4.065		17684	16173
4.099		130730	104330
4.155		545082	384305
4.197		614696	355690
4.215		587032	288268
4.228		1753184	946640
4.254		901497	885092
4.305		5250782	3770781
4.353		62115	43557
4.374		489239	313681
4.398		1091229	788776
4.44		6347606	4674602
4.542		5019702	4564360
4.594		561401	462547
4.632		1333800	1071024
4.667		6647315	5231007
4.701		3351208	2208581
4.737		2178308	1628097
4.807		4280	5165
4.836		732858	699363
4.886		4143465	3070128
4.91		461751	294725
4.96		1973197	1727599
4.995		1004060	761986
5.025		726084	577790
5.056		338607	188023
5.079		9776076	7791085
5.119		173574	124988
5.15		306902	244486
5.23		3674	2113
5.27		108847	67013
5.293		1952878	1486801
5.337		6133840	6322410
5.457		4178	2552
5.493		122591	106937
5.537		146893	108346
5.561		88756	63980
5.609		1021376	863359
5.716		2379405	1932697
5.747		123546	88674
5.805		8187	8362
5.915		606446	508994
6.04		1600	5895
6.074	DCB	5995937	5108972
6.141		1469	790
6.215		1157	3676
6.419		5828	34751
6.482		2441	3429
6.523		1848	1135
6.567		3476	3911
6.642		2364	4015
6.661		1782	1400
6.699		17257	41979
6.813		8162	18898

RT B	Compound B	Height B	Area B
6.846		5636	5247
6.913		12508	31903

LCSA 9/10/16 ACF ABLCS10253 LCS 162530010A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207031.0036.RAW



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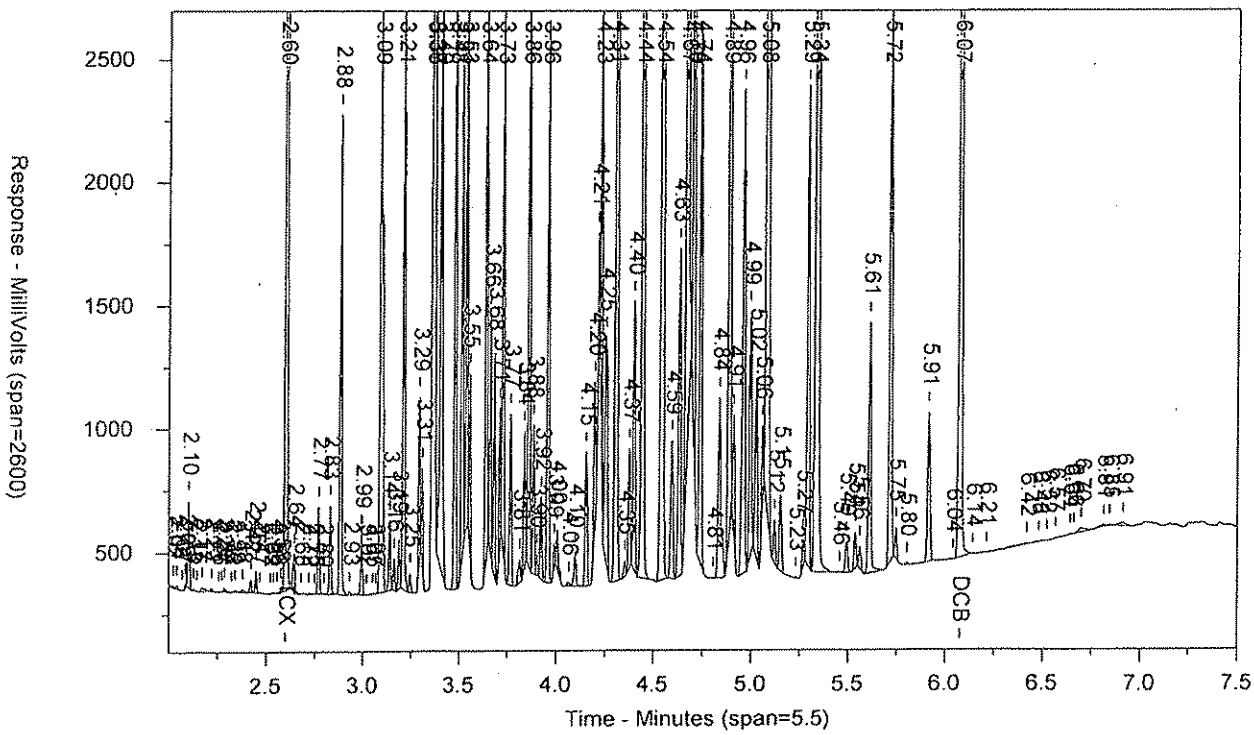


LANCASTER LABORATORIES

Sample Number: LCSA 9/10/16 ACF ABLCS10253 LCS 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 2:30:43 AM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

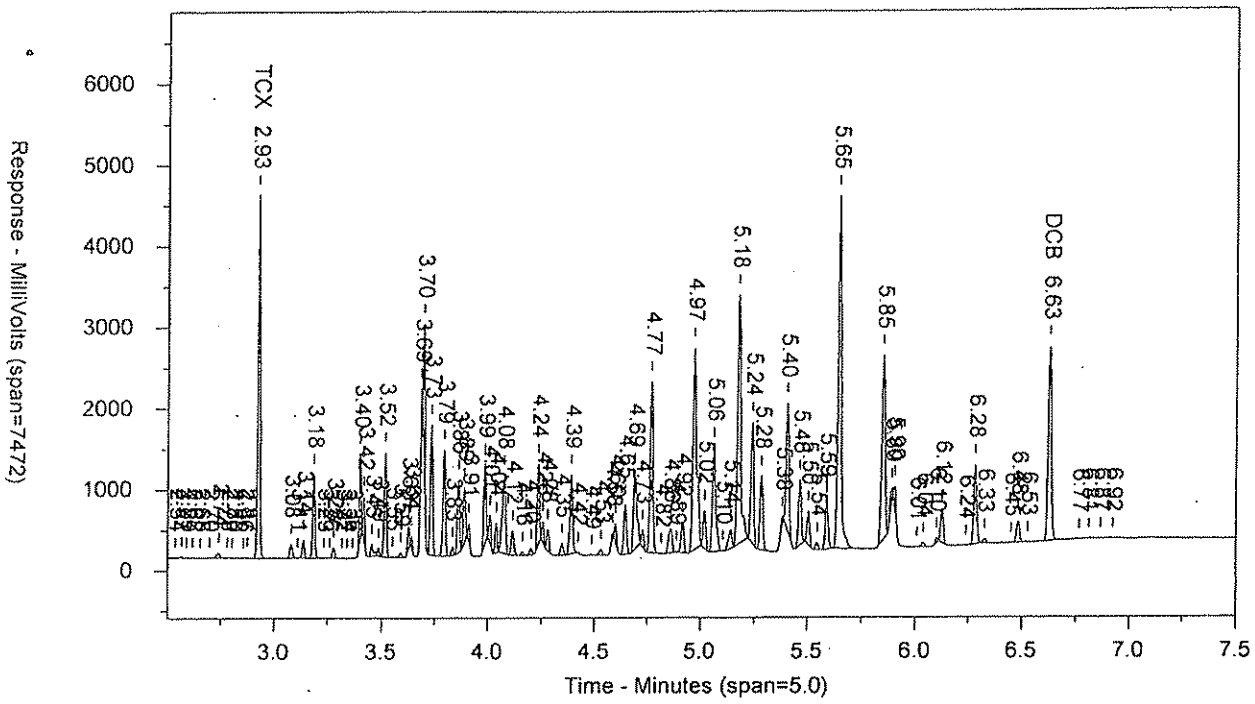
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	4486712	33.162	TCX	2.599	8207061	33.415	TCX
6.627	2393761	35.812	DCB	6.074	5995937	31.518	DCB

Files:
Area File: 25pcbs16207031.0036.RAW
Area File: 25pcbs16207031B.0036.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 2:39:13 AM
File Reported On: 9/12/2016 at 2:39:23 AM

LCSA 9/10/16 ACF ABLCS10253 LCS 162530010A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207031.0036.RAW



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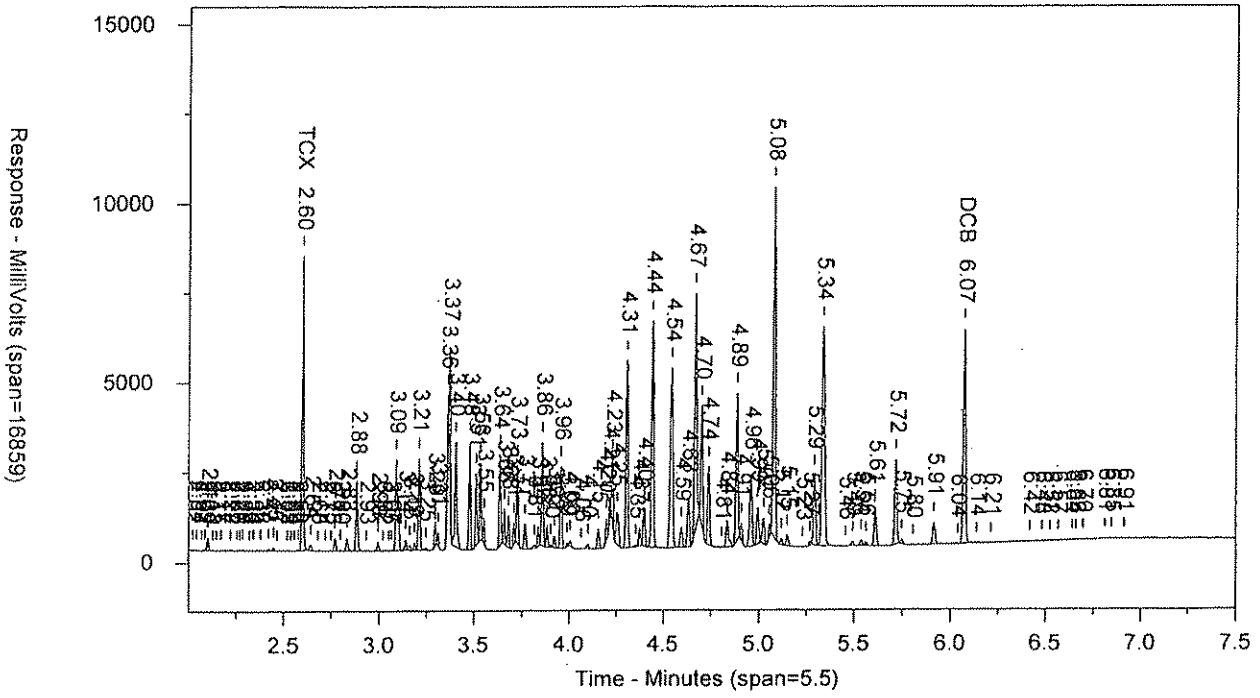

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Data Summary

Sample Name: 8570357 MSACF DF50 A5115 MS Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 06:39:28
Instrument	18274A
Result file	25PCBS16207031.0058.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 125% (46 - 148) Conc: 36.50696
%SSR(DCB) 77% (49 - 139) Conc: 22.38648

Analysis Report (B)

Injected on	Sep 12, 2016 06:39:28
Instrument	18274B
Result file	25PCBS16207031B.0058.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 104% (46 - 148) Conc: 30.26371
%SSR(DCB) 133% (49 - 139) Conc: 38.93431

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	99080	36.50696
Decachlorobiphenyl	6.60	6.65	6.66	30017	22.38648

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	149109	30.26371
Decachlorobiphenyl	6.05	6.07	6.11	148580	38.93431

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	36.50696				18.70	
☐ Decachlorobiphenyl	A	22.38648			P	53.97	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.74**	
3.17	3.18	3.21	31356.35	682.730848			1
3.39	3.40	3.43	32629.73	722.738497			2
3.51	3.52	3.55	36604.69	667.281921			3
3.73	3.73	3.77	45834.7	737.033074			4
3.79	3.79	3.83	34736.09	655.910916			5
3.98	3.99	4.02	29323.28	717.782903			6

Height summation: **210484.84**
Concentration CF: **697.24636** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**27.80**	
2.87	2.91	2.91	89258.02	1105.02393			1
3.19	3.21	3.23	61163.59	611.753349			2
3.39	3.40	3.43	64953.64	607.708564			3
3.46	3.48	3.50	67640.88	615.773962			4
3.63	3.64	3.67	63066.84	675.570412			5
3.72	3.73	3.76	50218.22	626.135341			6

Height summation: **396301.19**
Concentration CF: **706.99426** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.80**	
4.76	4.77	4.80	1314027	16454.086063			1
4.96	4.97	5.00	1771371	20499.061489			2
5.23	5.24	5.27	1168127	22207.693595			3
5.40	5.40	5.44	1573236	23904.380807			4
5.64	5.64	5.68	4116579	29966.660612			5
5.84	5.85	5.88	2278868	29090.878605			6

Height summation: **12222208**
Concentration CF: **23687.126862** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**24.40**	
4.29	4.30	4.33	3324423	17069.846593			1
4.43	4.44	4.47	4531322	20555.143474			2
4.53	4.54	4.57	3235433	17598.017813			3
4.88	4.89	4.92	3571632	24374.626538			4
5.07	5.08	5.11	10208480	31430.472289			5
5.33	5.34	5.37	5806294	26679.962933			6

Height summation: **30677584**
Concentration CF: **22951.34494** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	706.99426	<2542.3729	493.5194		1.39	4	
☐ PCB-1221			<2542.3729	<762.7119			3	
☐ PCB-1232			<2542.3729	<613.1605			4	
☐ PCB-1242			<2542.3729	<613.1605			4	
☐ PCB-1248			<2542.3729	<493.5194			4	
☐ PCB-1254			<2542.3729	<658.0259			4	
☐ PCB-1260	A	23687.126862	2542.3729	583.2502		3.16	4	
☐ PCB-1262			<2542.3729	<493.5194			4	
☐ PCB-1268			<2542.3729	<493.5194			4	
☐ Total PCBs	A	24394.121122	2542.3729	493.5194				

9/20/2016

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Data Summary

Sample Name: 8570357 MSACF DF50 A5115 MS Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 06:39:28
Instrument	18274A
Result file	25PCBS16207031.0058.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 12, 2016 06:39:28
Instrument	18274B
Result file	25PCBS16207031B.0058.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

9/20/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570357** MSACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:39:28
Instrument : P 25--18274A
Result file : 25PCBS16207031.0058.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 125% (46-148) Conc.: 36.50696
%SSR(DCB) : 77% (49-139) Conc.: 22.38648

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	4.74	
3.17	3.18	3.21	31356.35	682.730848			1
3.39	3.40	3.43	32629.73	722.738497			2
+ 3.39	3.42	3.43	14607.02	323.541006			2
3.51	3.52	3.55	36604.69	667.281921			3
3.73	3.73	3.77	45834.7	737.033074			4
3.79	3.79	3.83	34736.09	655.910916			5
3.98	3.99	4.02	29323.28	717.782903			6
+ 3.98	4.01	4.02	10986.91	268.940451			6
Height Summation:			210484.84				
Amount Avg CF:			697.24636	Linear:			
Aroclor-1221					3	42.86	
3.07	3.08	3.11	4995.813	212.138794			1
3.13	3.14	3.17	6046.945	305.064031			2
3.17	3.18	3.21	31356.35	496.049263			3
Height Summation:			42399.108				
Amount Avg CF:			337.750696	Linear:			
Aroclor-1232					6	28.68	
3.17	3.18	3.21	31356.35	510.687662			1
3.39	3.40	3.43	32629.73	1300.77544			2
+ 3.39	3.42	3.43	14607.02	582.304937			2
3.51	3.52	3.55	36604.69	1197.101793			3
3.73	3.73	3.77	45834.7	1346.784411			4
3.79	3.79	3.83	34736.09	1213.389301			5
3.99	3.99	4.02	29323.28	1446.367617			6
+ 3.99	4.01	4.02	10986.91	541.928148			6
Height Summation:			210484.84				
Amount Avg CF:			1169.184371	Linear:			
Aroclor-1242					6	5.85	
3.17	3.18	3.21	31356.35	934.245457			1
3.39	3.40	3.43	32629.73	1031.960234			2
+ 3.39	3.42	3.43	14607.02	461.967162			2
3.51	3.52	3.55	36604.69	931.135507			3
3.73	3.73	3.77	45834.7	1046.245731			4
3.79	3.79	3.83	34736.09	918.61851			5
3.98	3.99	4.02	29323.28	1013.11543			6
+ 3.98	4.01	4.02	10986.91	379.596282			6
Height Summation:			210484.84				
Amount Avg CF:			979.220145	Linear:			
Aroclor-1248					6	162.84	
3.79	3.79	3.83	34736.09	1157.583629			1
3.85	3.86	3.89	30155.71	594.818186			2
+ 3.85	3.89	3.89	27179.14	536.105658			2
3.98	3.99	4.02	29323.28	506.961287			3
+ 3.98	4.01	4.02	10986.91	189.949352			3
4.07	4.08	4.11	30442.19	645.548992			4
+ 4.25	4.26	4.29	14903.3	299.676028			5
4.25	4.28	4.29	24806.57	498.811295			5
4.64	4.65	4.68	316342	8714.812099			6
Height Summation:			465805.84				
Amount Avg CF:			2019.755915	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 06:39:28
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0058.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 104% (46-148) Conc.: 30.26371
%SSR(DCB) : 133% (49-139) Conc.: 38.93431

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	27.80	
+ 2.87	2.88	2.91	32450.28	401.737972			1
2.87	2.91	2.91	89258.02	1105.02393			1
3.19	3.21	3.23	61163.59	611.753349			2
3.39	3.40	3.43	64953.64	607.708564			3
3.46	3.48	3.50	67640.88	615.773962			4
3.63	3.64	3.67	63066.84	675.570412			5
+ 3.63	3.66	3.67	27622.5	295.891529			5
3.72	3.73	3.76	50218.22	626.135341			6
Height Summation:			396301.19				
Amount Avg CF:			706.99426	Linear:			
Aroclor-1221					3	48.11	
2.75	2.77	2.79	13918.88	308.792273			1
2.81	2.83	2.85	12142.56	422.745285			2
+ 2.87	2.88	2.91	32450.28	280.445412			3
2.87	2.91	2.91	89258.02	771.395568			3
Height Summation:			115319.46				
Amount Avg CF:			500.977709	Linear:			
Aroclor-1232					6	18.10	
+ 2.87	2.88	2.91	32450.28	286.361101			1
2.87	2.91	2.91	89258.02	787.667313			1
3.20	3.21	3.24	61163.59	1130.252906			2
3.39	3.40	3.43	64953.64	1126.063727			3
3.47	3.48	3.51	67640.88	1195.202152			4
3.63	3.64	3.67	63066.84	1424.03364			5
+ 3.63	3.66	3.67	27622.5	623.709214			5
3.72	3.73	3.76	50218.22	1234.643795			6
Height Summation:			396301.19				
Amount Avg CF:			1149.643922	Linear:			
Aroclor-1242					6	26.67	
+ 2.87	2.88	2.91	32450.28	545.243462			1
2.87	2.91	2.91	89258.02	1499.751368			1
3.20	3.21	3.24	61163.59	830.305814			2
3.39	3.40	3.43	64953.64	835.853808			3
3.47	3.48	3.51	67640.88	899.096942			4
3.63	3.64	3.67	63066.84	933.17135			5
+ 3.63	3.66	3.67	27622.5	408.71757			5
3.72	3.73	3.76	50218.22	852.85157			6
Height Summation:			396301.19				
Amount Avg CF:			975.171809	Linear:			
Aroclor-1248					6	134.14	
+ 3.50	3.51	3.54	56691.49	527.614057			1
3.50	3.54	3.54	72919.11	678.640612			1
3.63	3.64	3.67	63066.84	485.443801			2
+ 3.63	3.66	3.67	27622.5	212.618412			2
3.72	3.73	3.76	50218.22	529.662799			3
3.85	3.86	3.89	340259.4	1888.239037			4
+ 3.85	3.88	3.89	32406.21	179.835357			4
+ 4.21	4.22	4.25	262697.4	3232.806678			5
4.21	4.23	4.25	936839.4	11528.932789			5
+ 4.37	4.37	4.40	205977.7	4228.91023			6
4.37	4.40	4.40	847992.9	17410.068418			6
Height Summation:			2311295.87				
Amount Avg CF:			5420.164576	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570357** MSACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:39:28
Instrument : P 25--18274A
Result file : 25PCBS16207031.0058.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	131.91	
4.23	4.24	4.27	154066.1	2523.47978			1
+ 4.23	4.26	4.27	14903.3	244.104162			1
4.58	4.60	4.62	181827.8	3104.145515			2
4.64	4.65	4.68	316342	2876.131633			3
4.77	4.77	4.81	1314027	36819.851514			4
4.86	4.86	4.90	160688.7	2297.103252			5
+ 4.86	4.89	4.90	11571.12	165.413357			5
5.06	5.06	5.10	892526.2	15428.801671			6
Height Summation:			3019477.8				
Amount Avg CF:			10508.252227	Linear:			
Aroclor-1260					6	21.80	
4.76	4.77	4.80	1314027	16454.086063			1
4.96	4.97	5.00	1771371	20499.061489			2
5.23	5.24	5.27	1168127	22207.693595			3
5.40	5.40	5.44	1573236	23904.380807			4
5.64	5.64	5.68	4116579	20966.660612			5
5.84	5.85	5.88	2278868	29090.878605			6
Height Summation:			12222208				
Amount Avg CF:			23687.126862	Linear:			
Aroclor-1262					5	22.69	
E 5.23	5.24	5.27	1168127	12404.493659			1
E 5.40	5.40	5.44	1573236	19166.58918			2
E 5.64	5.64	5.68	4116579	21993.050997			3
E 5.84	5.85	5.88	2278868	21265.132759			4
E 6.28	6.28	6.32	1015136	15251.078559			6
Height Summation:			10151946				
Amount Avg CF:			18016.069031	Linear:			
Aroclor-1268					4	70.64	
E 5.84	5.85	5.88	2278868	10463.982497			1
6.03	6.03	6.07	44479.87	252.111002			3
+ 6.10	6.10	6.14	66863.08	1367.198414			4
6.10	6.12	6.14	382387	7818.947314			4
E 6.28	6.28	6.32	1015136	13428.718717			5
Height Summation:			3720870.87				
Amount Avg CF:			7990.939883	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 06:39:28
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0058.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	125.42	
4.15	4.16	4.19	131195.7	893.364141			1
+ 4.21	4.22	4.25	262697.4	1028.795958			2
4.21	4.23	4.25	936839.4	3668.923208			2
4.30	4.30	4.34	3324423	27632.505382			3
+ 4.37	4.37	4.41	205977.7	1268.982717			4
4.37	4.40	4.41	847992.9	5224.295321			4
4.43	4.44	4.47	4531322	46551.707127			5
4.58	4.59	4.62	467899.8	4126.397672			6
Height Summation:			10239672.8				
Amount Avg CF:			14682.865475	Linear:			
Aroclor-1260					6	24.40	
4.29	4.30	4.33	3324423	17069.846593			1
4.43	4.44	4.47	4531322	20555.143474			2
4.53	4.54	4.57	3235433	17598.017813			3
4.88	4.89	4.92	3571632	24374.626538			4
+ 4.88	4.91	4.92	473779.2	3233.309328			4
5.07	5.08	5.11	10208480	31430.472289			5
5.33	5.34	5.37	5806294	26679.962933			6
Height Summation:			30677584				
Amount Avg CF:			22951.34494	Linear:			
Aroclor-1262					6	33.83	
E 4.69	4.70	4.73	2714397	10882.769575			1
E 4.88	4.89	4.92	3571632	14033.778311			2
+ 4.88	4.91	4.92	473779.2	1861.589397			2
E 5.07	5.08	5.11	10208480	21856.047727			3
5.28	5.29	5.32	1570583	8156.29854			4
E 5.33	5.34	5.37	5806294	18217.716624			5
E 5.71	5.72	5.75	2445390	14280.585291			6
Height Summation:			26316776				
Amount Avg CF:			14571.199345	Linear:			
Aroclor-1268					6	126.35	
5.29	5.29	5.33	1570583	2741.633499			1
E 5.33	5.34	5.37	5806294	10470.64451			2
5.49	5.49	5.53	87602.76	180.276464			3
5.55	5.56	5.59	42467.48	363.931298			4
E 5.71	5.72	5.75	2445390	12440.558495			5
+ 5.71	5.75	5.75	131578.5	669.38608			5
5.91	5.92	5.95	443906.9	274.629836			6
Height Summation:			10396244.14				
Amount Avg CF:			4411.945683	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2542.3729	493.5194		1.39	4	40	
Aroclor-1221			2542.3729	762.7119		38.92	3	5	
Aroclor-1232			2542.3729	613.1605		1.69	4	10	
Aroclor-1242			2542.3729	613.1605		0.41	4	30	
Aroclor-1248			2542.3729	493.5194		** 91.41	4	40	
Aroclor-1254			2542.3729	658.0259		33.14	4	40	
Aroclor-1260			2542.3729	583.2502		3.16	4	40	
Aroclor-1262			2542.3729	493.5194	E	21.14	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570357** MSACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 06:39:28
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0058.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 06:39:28
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0058.RAW
Calibration file	: 25PCBS1620701B.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			2542.3729	493.5194	E	** 57.71	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570357MSACF DF50 ACA5115 MS 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:39:28 AM 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: 25pcbs16207031.0058.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.006		3503	2144
2.038		7724	8225
2.088		10226	13346
2.136		24349	24889
2.197		42634	31073
2.283		3200	1892
2.309		8049	6191
2.382		20534	16897
2.408		2162	1234
2.489		4036	5182
2.56		2803	4477
2.627		4376	2348
2.648		35504	23238
2.705		1813	2538
2.763		3236	5744
2.81		3561	3544
2.925	TCX	99080	69245
3.039		4453	2766
3.08		4996	5462
3.137		6047	4048
3.185		31356	24262
3.232		62789	66035
3.279		3720	2639
3.32		736	669
3.4		32630	19890
3.418		14607	7783
3.454		3139	2312
3.487		2456	1510
3.516		36605	26828
3.563		1878	1954
3.591		4526	3040
3.628		11502	12387
3.698		69244	86007
3.734		45835	35890
3.793		34736	27367
3.832		3428	3262
3.861		30156	22126
3.89		27179	41072
3.963		1261	749
3.986		29323	21387
4.01		10987	7066
4.04		12459	8976
4.077		30442	37582
4.117		9543	7682
4.148		4814	5458
4.201		21012	18124
4.236		154066	118585
4.257		14903	7411
4.28		24807	18935
4.347		41912	35641
4.39		192707	180211
4.425		45912	35586
4.464		5223	3773
4.488		10588	8308

RT A	Compound A	Height A	Area A
4.529		61125	63112
4.599		181828	264773
4.645		316342	284264
4.69		520220	596866
4.728		134843	99764
4.768		1314027	1253339
4.816		9193	10635
4.857		160689	196057
4.889		11571	6749
4.915		315828	301597
4.968		1771371	2233787
5.018		319023	288249
5.062		892526	984145
5.104		22786	14230
5.141		203866	253547
5.177		2374565	2554186
5.239		1168127	1097405
5.283		816583	822445
5.337		3549	2241
5.405		1573236	2174877
5.463		753840	697480
5.504		414033	377124
5.543		85910	81606
5.588		407352	391008
5.616		21416	12003
5.645		4116579	4287044
5.733		8544	8602
5.765		3878	2556
5.787		4192	2595
5.851		2278868	2392476
5.89		604088	1169666
6.035		44480	69065
6.1		66863	49696
6.122		382387	352806
6.19		3903	3771
6.22		1199	765
6.246		2427	1429
6.28		1015137	1036012
6.324		74058	71967
6.365		1949	1415
6.392		3519	3436
6.48		205964	226108
6.572		947	587
6.626		63559	58539
6.652	DCB	30017	25226
6.705		3817	3551
6.894		15400	16978
6.939		1629	1270

LANCASTER LABORATORIES

Sample Number: 8570357MSACF DF50 ACA5115 MS 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:39:28 AM 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: 25pcbs16207031B.0058.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

RT B	Compound B	Height B	Area B
2.017		1879	3403
2.1		11905	13970
2.146		26114	16997
2.218		6804	7177
2.267		2510	1923
2.297		4078	4264
2.35		62918	51002
2.449		2342	3103
2.477		2748	2646
2.518		1932	2364
2.552		2069	1130
2.578		3423	2537
2.6	TCX	149109	86596
2.645		3887	4170
2.701		4262	8047
2.751		1406	2001
2.771		13919	7587
2.831		12143	8383
2.884		32450	14603
2.906		89258	41364
2.994		6558	5093
3.054		1704	2151
3.09		67011	62314
3.14		5559	3474
3.162		3255	1712
3.187		6552	3603
3.211		61164	43829
3.248		11912	10147
3.294		15796	8421
3.31		9027	4257
3.339		2162	1555
3.369		116439	113883
3.403		64954	52222
3.477		67641	43452
3.512		56691	32724
3.535		72919	51254
3.608		2138	929
3.638		63067	41231
3.66		27623	14371
3.681		24595	14292
3.71		26408	13667
3.727		50218	27855
3.766		18638	13572
3.814		14380	14505
3.837		13384	7850
3.858		340259	217691
3.883		32406	17682
3.903		15498	7639
3.922		111473	71114
3.956		404227	263483
3.988		91682	52966
4.005		35393	25405
4.066		19347	24057
4.098		85864	80569

RT B	Compound B	Height B	Area B
4.128		28639	22106
4.155		131196	85312
4.197		269650	170604
4.215		262697	126771
4.228		936839	512731
4.253		523920	507325
4.305		3324423	2399233
4.353		58092	60432
4.374		205978	128495
4.399		847993	609422
4.44		4531322	3374535
4.495		13134	8429
4.542		3235433	3036905
4.594		467900	394949
4.632		1087388	922932
4.668		5172068	4204861
4.7		2714397	1853568
4.738		1883668	1440110
4.795		14055	14126
4.836		586605	588147
4.886		3571632	2686904
4.909		473779	299601
4.959		1967498	1639878
4.995		958235	745766
5.024		751461	576806
5.057		102457	60279
5.079		10208480	8010614
5.12		180704	132622
5.151		243115	200063
5.196		9323	7360
5.216		11298	6789
5.269		84446	48267
5.293		1570583	1268721
5.337		5806295	6097032
5.398		9618	8940
5.445		3738	5513
5.492		87603	72484
5.537		174857	134640
5.561		42467	26902
5.609		1007847	929254
5.652		7643	6509
5.69		4575	2609
5.716		2445390	1979869
5.747		131579	93211
5.8		2040	1736
5.829		3909	2833
5.857		2178	2403
5.915		443907	381013
5.964		2545	2975
6.074	DCB	148580	129273
6.11		3689	3626
6.204		1771	1824
6.244		5384	4246
6.273		80306	70879
6.34		3382	3706
6.434		1638	2067
6.491		2001	1319
6.515		23943	21050
6.595		2467	2623
6.656		1737	1064
6.694		2102	3913
6.765		1562	1852
6.8		1057	536
6.876		3746	6445
6.916		1528	1523
6.969		7030	7084

8570357MSACF DF50 ACA5115 MS 162530010A 10225 SW-846 8082

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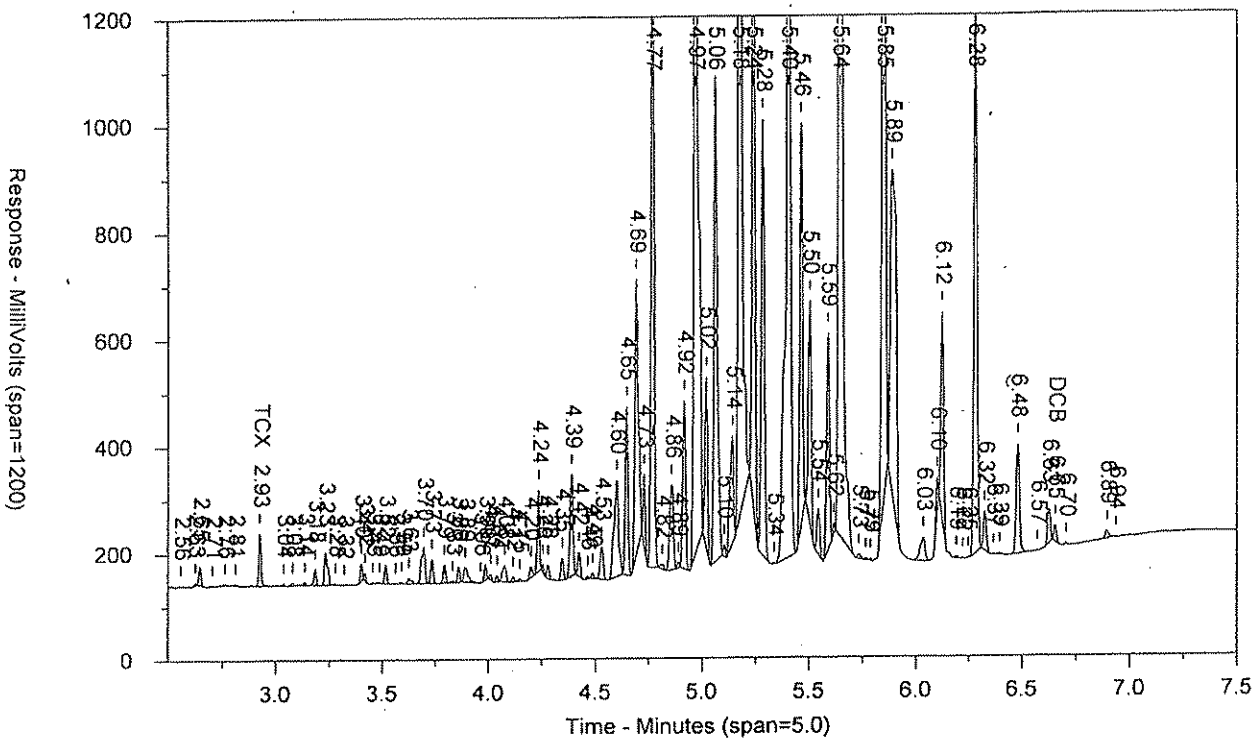

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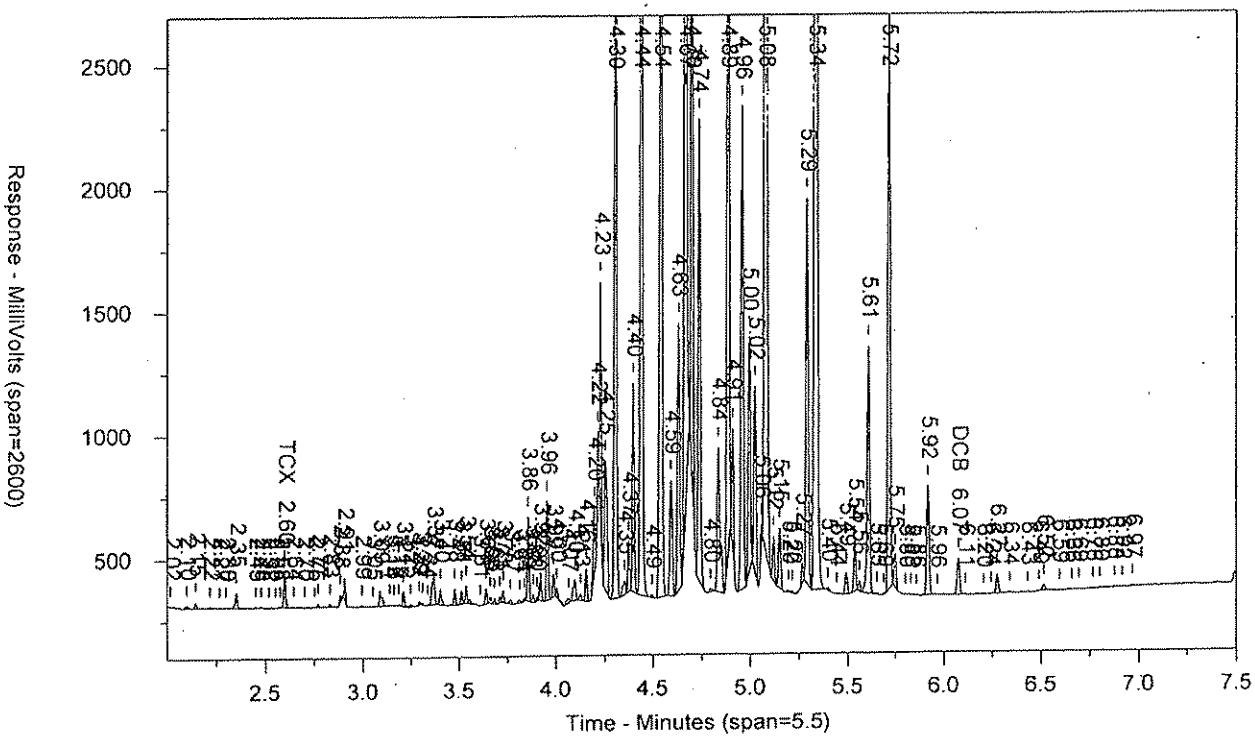

LANCASTER LABORATORIES

Sample Number: 8570357MSACF DF50 ACA5115 MS 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:39:28 AM
Sample Weight: 10.03
Dilution Factor: 500
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: 4
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	99080	36.507	TCX	2.6	149109	30.264	TCX
6.652	30017	22.386	DCB	6.074	148580	38.934	DCB

Files:
Area File: 25pcbs16207031.0058.RAW
Area File: 25pcbs16207031B.0058.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 6:48:00 AM
File Reported On: 9/12/2016 at 6:48:09 AM

8570357MSACF DF50 ACA5115 MS 162530010A 10225 SW-846 8082

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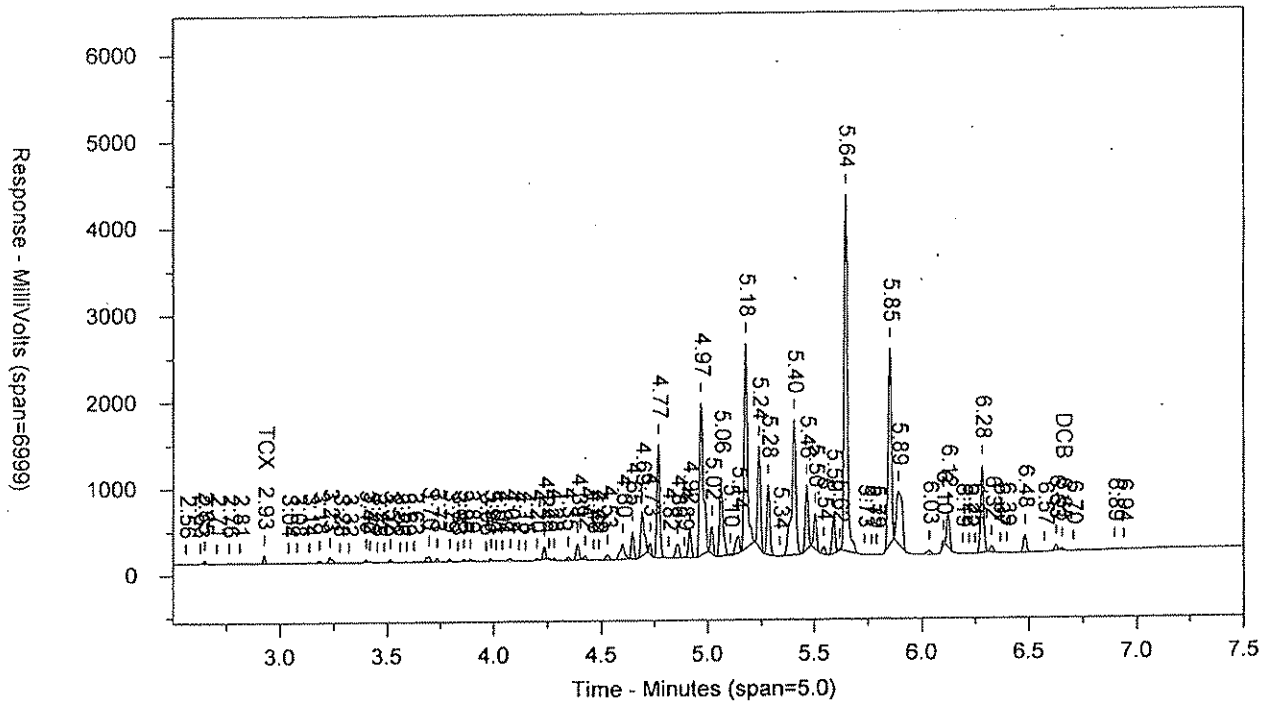

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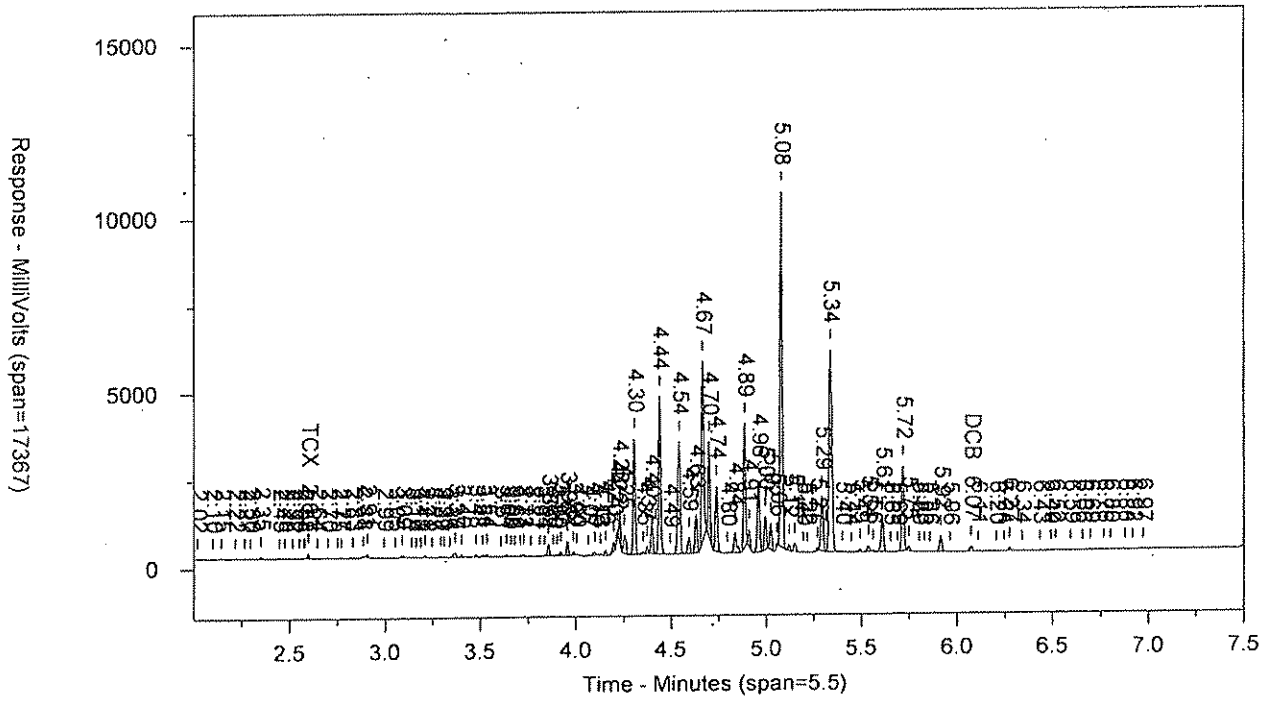

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Data Summary

Sample Name: 8570358 MSDACF DF50 A5115 MSD Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 06:50:42
Instrument	18274A
Result file	25PCBS16207031.0059.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

%SSR(TCX) 131% (46 - 148) Conc: 37.26701
%SSR(DCB) 52% (49 - 139) Conc: 14.84754

Analysis Report (B)

Injected on	Sep 12, 2016 06:50:42
Instrument	18274B
Result file	25PCBS16207031B.0059.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

%SSR(TCX) 109% (46 - 148) Conc: 31.19745
%SSR(DCB) 136% (49 - 139) Conc: 38.96368

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	103362	37.26701
Decachlorobiphenyl	6.60	6.65	6.66	20345	14.84754

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.57	2.60	2.63	157081	31.19745
Decachlorobiphenyl	6.05	6.07	6.11	151954	38.96368

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	37.26701				17.73	
☐ Decachlorobiphenyl	A	14.84754			P	89.63	

Multiple Component Data

Aroclor-1016 (%RSD 6.79)

Min	RT	Max	Height	Amount	Pks	Peak
3.17	3.18	3.21	31122.11	663.086405		1
3.39	3.40	3.43	34769.39	753.601661		2
3.51	3.52	3.55	36429.87	649.841308		3
3.73	3.73	3.77	47354.38	745.126152		4
3.79	3.79	3.83	35349.18	653.16114		5
3.98	3.99	4.02	28198.88	675.44422		6

Height summation: **213223.81**
Concentration CF: **690.043481** L:

Aroclor-1016 (%RSD 10.27)

Min	RT	Max	Height	Amount	Pks	Peak
2.87	2.91	2.91	63059.07	763.922081		1
3.19	3.21	3.23	61336.94	600.319652		2
3.39	3.40	3.43	66216.37	606.225638		3
3.46	3.48	3.50	66683.34	594.027408		4
3.63	3.64	3.67	61967.94	649.551629		5
3.72	3.73	3.76	49634.3	605.572119		6

Height summation: **368897.96**
Concentration CF: **636.603088** L:

Aroclor-1260 (%RSD 22.04)

Min	RT	Max	Height	Amount	Pks	Peak
4.76	4.77	4.80	948045.5	11616.511436		1
4.96	4.97	5.00	1310468	14839.796174		2
5.23	5.24	5.27	864525.6	16083.046591		3
5.40	5.40	5.44	1200834	17854.334478		4
5.64	5.64	5.68	3064644	21830.264374		5
5.84	5.85	5.88	1647977	20585.711489		6

Height summation: **9036494.1**
Concentration CF: **17134.94409** L:

Aroclor-1260 (%RSD 23.35)

Min	RT	Max	Height	Amount	Pks	Peak
4.29	4.30	4.33	2351764	11816.371745		1
4.43	4.44	4.47	3354280	14889.220725		2
4.53	4.54	4.57	2380894	12672.096468		3
4.88	4.89	4.92	2558793	17087.695112		4
5.07	5.08	5.11	7209150	21719.556564		5
5.33	5.34	5.37	4172512	18761.210724		6

Height summation: **22027393**
Concentration CF: **16157.69189** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	A	690.043481	<2487.8048	482.9268		8.06	4	
☐ PCB-1221			<2487.8048	<746.3415			3	
☐ PCB-1232			<2487.8048	<600			4	
☐ PCB-1242			<2487.8048	<600			4	
☐ PCB-1248			<2487.8048	<482.9268			4	
☐ PCB-1254			<2487.8048	<643.9024			4	
☐ PCB-1260	A	17134.94409	2487.8048	570.7317		5.87	4	
☐ PCB-1262			<2487.8048	<482.9268			4	
☐ PCB-1268			<2487.8048	<482.9268			4	
☐ Total PCBs	A	17824.987571	2487.8048	482.9268				

9/20/2016

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Data Summary

Sample Name: 8570358 MSDACF DF50 A5115 MSD Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 12, 2016 06:50:42
Instrument	18274A
Result file	25PCBS16207031.0059.RAW
Calibration file	25PCBS1620701
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 12, 2016 06:50:42
Instrument	18274B
Result file	25PCBS16207031B.0059.RAW
Calibration file	25PCBS1620701B
Method file	25PCBSB

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 22 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570358** MSDACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:50:42
Instrument : P 25--18274A
Result file : 25PCBS16207031.0059.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 131% (46-148) Conc.: 37.26701
%SSR(DCB) : 52% (49-139) Conc.: 14.84754

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.79	
3.17	3.18	3.21	31122.11	663.086405			1
3.39	3.40	3.43	34769.39	753.601661			2
+ 3.39	3.42	3.43	15209.86	329.662837			2
3.51	3.52	3.55	36429.87	649.841308			3
3.73	3.73	3.77	47354.38	745.126152			4
3.79	3.79	3.83	35349.18	653.16114			5
3.98	3.99	4.02	28198.88	675.44422			6
+ 3.98	4.01	4.02	11530.21	276.181667			6
Height Summation:			213223.81				
Amount Avg CF:			690.043481	Linear:			
Aroclor-1221					3	39.96	
3.07	3.08	3.11	5198.582	216.01101			1
3.13	3.14	3.17	6325.566	312.27085			2
3.17	3.18	3.21	31122.11	481.776272			3
Height Summation:			42646.258				
Amount Avg CF:			336.686044	Linear:			
Aroclor-1232					6	28.97	
3.17	3.18	3.21	31122.11	495.993475			1
3.39	3.40	3.43	34769.39	1356.322565			2
+ 3.39	3.42	3.43	15209.86	593.32293			2
3.51	3.52	3.55	36429.87	1165.813385			3
3.73	3.73	3.77	47354.38	1361.572936			4
3.79	3.79	3.83	35349.18	1208.302409			5
+ 3.79	3.83	3.83	3762.015	128.59285			5
3.99	3.99	4.02	28198.88	1361.053101			6
+ 3.99	4.01	4.02	11530.21	556.519552			6
Height Summation:			213223.81				
Amount Avg CF:			1158.176312	Linear:			
Aroclor-1242					6	8.02	
3.17	3.18	3.21	31122.11	907.3641			1
3.39	3.40	3.43	34769.39	1076.028121			2
+ 3.39	3.42	3.43	15209.86	470.708203			2
3.51	3.52	3.55	36429.87	906.798606			3
3.73	3.73	3.77	47354.38	1057.734155			4
3.79	3.79	3.83	35349.18	914.767386			5
+ 3.79	3.83	3.83	3762.015	97.353563			5
3.98	3.99	4.02	28198.88	953.356451			6
+ 3.98	4.01	4.02	11530.21	389.816903			6
Height Summation:			213223.81				
Amount Avg CF:			969.34147	Linear:			
Aroclor-1248					6	145.98	
3.79	3.79	3.83	35349.18	1152.730691			1
3.85	3.86	3.89	30542.25	589.51217			2
+ 3.85	3.89	3.89	26446.17	510.451557			2
3.98	3.99	4.02	28198.88	477.057993			3
+ 3.98	4.01	4.02	11530.21	195.063734			3
4.07	4.08	4.11	28970.02	601.144915			4
+ 4.25	4.26	4.29	11893.31	234.018056			5
4.25	4.28	4.29	19998.23	393.494065			5
4.64	4.64	4.68	231400	6237.945756			6
Height Summation:			374458.56				
Amount Avg CF:			1575.314265	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 06:50:42
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0059.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 109% (46-148) Conc.: 31.19745
%SSR(DCB) : 136% (49-139) Conc.: 38.96368

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	10.27	
+ 2.87	2.88	2.91	35022.84	424.280295			1
2.87	2.91	2.91	63059.07	763.922081			1
3.19	3.21	3.23	61336.94	600.319652			2
3.39	3.40	3.43	66216.37	606.225638			3
3.46	3.48	3.50	66683.34	594.027408			4
3.63	3.64	3.67	61967.94	649.551629			5
+ 3.63	3.66	3.67	27077.94	283.832576			5
3.72	3.73	3.76	49634.3	605.572119			6
Height Summation:			368897.96				
Amount Avg CF:			636.603088	Linear:			
Aroclor-1221					3	34.04	
+ 2.75	2.75	2.79	1585.863	34.427451			1
2.75	2.77	2.79	11988.15	260.250378			1
2.81	2.83	2.85	12102.85	412.318891			2
+ 2.87	2.88	2.91	35022.84	296.181766			3
2.87	2.91	2.91	63059.07	533.279046			3
Height Summation:			87150.07				
Amount Avg CF:			401.949438	Linear:			
Aroclor-1232					6	25.85	
+ 2.87	2.88	2.91	35022.84	302.429396			1
2.87	2.91	2.91	63059.07	544.527984			1
3.20	3.21	3.24	61336.94	1109.12843			2
3.39	3.40	3.43	66216.37	1123.315915			3
3.47	3.48	3.51	66683.34	1152.992625			4
3.63	3.64	3.67	61967.94	1369.188695			5
+ 3.63	3.66	3.67	27077.94	598.29017			5
3.72	3.73	3.76	49634.3	1194.096243			6
Height Summation:			368897.96				
Amount Avg CF:			1082.208315	Linear:			
Aroclor-1242					6	9.44	
+ 2.87	2.88	2.91	35022.84	575.838165			1
2.87	2.91	2.91	63059.07	1036.803959			1
3.20	3.21	3.24	61336.94	814.787362			2
3.39	3.40	3.43	66216.37	833.814164			3
3.47	3.48	3.51	66683.34	867.344609			4
3.63	3.64	3.67	61967.94	897.231377			5
+ 3.63	3.66	3.67	27077.94	392.060433			5
3.72	3.73	3.76	49634.3	824.842647			6
Height Summation:			368897.96				
Amount Avg CF:			879.137353	Linear:			
Aroclor-1248					6	130.65	
+ 3.50	3.51	3.54	55633.92	506.658363			1
3.50	3.53	3.54	65788.48	599.135987			1
3.63	3.64	3.67	61967.94	466.747516			2
+ 3.63	3.66	3.67	27077.94	203.953225			2
3.72	3.73	3.76	49634.3	512.26788			3
3.85	3.86	3.89	259523	1409.288021			4
+ 3.85	3.88	3.89	24987.8	135.691277			4
+ 4.21	4.21	4.25	203556	2451.234925			5
4.21	4.23	4.25	673625.7	8111.845598			5
+ 4.37	4.37	4.40	157364.6	3161.49407			6
4.37	4.40	4.40	621959.7	12495.325526			6
Height Summation:			1732499.12				
Amount Avg CF:			3932.435088	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570358** MSDACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 12, 2016 06:50:42
Instrument : P 25--18274A
Result file : 25PCBS16207031.0059.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	129.98	
4.23	4.24	4.27	117665.7	1885.904473			1
+ 4.23	4.26	4.27	11893.31	190.621791			1
4.58	4.60	4.62	136635.6	2282.562739			2
4.64	4.64	4.68	231400	2058.696494			3
4.77	4.77	4.81	948045.5	25994.651089			4
4.86	4.86	4.90	124942.4	1747.761188			5
+ 4.86	4.89	4.90	8479.266	118.612513			5
5.06	5.06	5.10	655374.2	11086.070371			6
Height Summation:			2214063.4				
Amount Avg CF:			7509.274393	Linear:			
Aroclor-1260					6	22.04	
4.76	4.77	4.80	948045.5	11616.511436			1
4.96	4.97	5.00	1310468	14839.796174			2
5.23	5.24	5.27	864525.6	16083.046591			3
5.40	5.40	5.44	1200834	17854.334478			4
5.64	5.64	5.68	3064644	21880.264374			5
5.84	5.85	5.88	1647977	20885.711489			6
Height Summation:			9036494.1				
Amount Avg CF:			17134.94409	Linear:			
Aroclor-1262					5	22.61	
5.23	5.24	5.27	864525.6	8983.46551			1
E 5.40	5.40	5.44	1200834	14315.647697			2
E 5.64	5.64	5.68	3064644	16021.608943			3
E 5.84	5.85	5.88	1647977	15047.94316			4
E 6.28	6.28	6.32	751155.6	11042.904226			6
Height Summation:			7529136.2				
Amount Avg CF:			13082.313907	Linear:			
Aroclor-1268					4	70.18	
5.84	5.85	5.88	1647977	7404.675797			1
6.03	6.03	6.07	32638	181.020973			3
+ 6.10	6.10	6.14	44916.73	898.732334			4
6.10	6.12	6.14	292452.2	5851.63364			4
6.28	6.28	6.32	751155.6	9723.381471			5
Height Summation:			2724222.8				
Amount Avg CF:			5790.17797	Linear:			

Analysis Report (B)

Injected on : Sep 12, 2016 06:50:42
Instrument : P 25--18274B
Result file : 25PCBS16207031B.0059.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	126.29	
4.15	4.15	4.19	98654.2	657.357409			1
+ 4.21	4.21	4.25	203556	780.07157			2
4.21	4.23	4.25	673625.7	2581.482529			2
4.30	4.30	4.34	2351764	19128.230242			3
+ 4.37	4.37	4.41	157364.6	948.679711			4
4.37	4.40	4.41	621959.7	3749.512588			4
4.43	4.44	4.47	3354280	33719.961305			5
4.58	4.59	4.62	348800.5	3010.04083			6
Height Summation:			7449084.1				
Amount Avg CF:			10474.430817	Linear:			
Aroclor-1260					6	23.35	
4.29	4.30	4.33	2351764	11816.371745			1
4.43	4.44	4.47	3354280	14889.220725			2
4.53	4.54	4.57	2380894	12672.096468			3
4.88	4.89	4.92	2558793	17087.695112			4
+ 4.88	4.91	4.92	332967.8	2223.568788			4
5.07	5.08	5.11	7209150	21719.556564			5
5.33	5.34	5.37	4172512	18761.210724			6
Height Summation:			22027393				
Amount Avg CF:			16157.69189	Linear:			
Aroclor-1262					6	32.87	
4.69	4.70	4.73	1897768	7445.36947			1
E 4.88	4.89	4.92	2558793	9838.301509			2
+ 4.88	4.91	4.92	332967.8	1280.227673			2
E 5.07	5.08	5.11	7209150	15103.294043			3
5.28	5.29	5.32	1169916	5945.165781			4
E 5.33	5.34	5.37	4172512	12810.603274			5
E 5.71	5.72	5.75	1805896	10319.714421			6
Height Summation:			18814035				
Amount Avg CF:			10243.741416	Linear:			
Aroclor-1268					6	125.99	
5.29	5.29	5.33	1169916	1998.390028			1
5.33	5.34	5.37	4172512	7362.902586			2
5.49	5.49	5.53	65153.23	131.200128			3
5.55	5.56	5.59	32125.44	269.394712			4
5.71	5.72	5.75	1805896	8990.038454			5
+ 5.71	5.75	5.75	96457.77	480.182171			5
5.91	5.91	5.95	342430	207.302574			6
Height Summation:			7588032.67				
Amount Avg CF:			3159.871414	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2487.8048	482.9268		8.06	4	40	
Aroclor-1221			2487.8048	746.3415		17.67	3	5	
Aroclor-1232			2487.8048	600		6.78	4	10	
Aroclor-1242			2487.8048	600		9.76	4	30	
Aroclor-1248			2487.8048	482.9268		** 85.59	4	40	
Aroclor-1254			2487.8048	643.9024		32.98	4	40	
Aroclor-1260			2487.8048	570.7317		5.87	4	40	
Aroclor-1262			2487.8048	482.9268	E	24.34	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8570358** MSDACF DF50 A5115 Sample ID: AC **Batchnumber: 162530010A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 2855 SDG: ATD51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 12, 2016 06:50:42
Instrument	: P 25--18274A
Result file	: 25PCBS16207031.0059.RAW
Calibration file	: 25PCBS1620701.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 12, 2016 06:50:42
Instrument	: P 25--18274B
Result file	: 25PCBS16207031B.0059.RAW
Calibration file	: 25PCBS1620701B.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			2487.8048	482.9268		** 58.78	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8570358MSDACF DF50 ACA5115 MSD 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:50:42 AM 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: 25pcbs16207031.0059.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

RT A	Compound A	Height A	Area A
2.007		3114	2305
2.038		6314	7798
2.087		14200	18582
2.136		14316	15517
2.197		32352	23169
2.282		2333	1444
2.309		9042	6924
2.381		14843	14192
2.424		3282	2289
2.49		4738	6291
2.566		2601	4547
2.627		3110	1670
2.648		24534	16434
2.705		1630	1824
2.762		3450	5364
2.845		1050	938
2.925	TCX	103362	68637
3.011		1318	889
3.039		3232	2040
3.08		5199	5817
3.137		6326	4528
3.185		31122	23583
3.232		47657	49842
3.278		3847	3024
3.323		1429	1291
3.4		34769	20581
3.417		15210	8066
3.455		3442	1733
3.47		1626	777
3.517		36430	26926
3.561		1702	2425
3.591		3489	2161
3.627		11362	13188
3.698		69361	88149
3.734		47354	36979
3.793		35349	27542
3.832		3762	3554
3.86		30542	21943
3.889		26446	39983
3.985		28199	20926
4.01		11530	7228
4.04		12862	9327
4.077		28970	34192
4.116		9986	8189
4.146		2770	3022
4.201		20667	18349
4.235		117666	91491
4.256		11893	6425
4.28		19998	14724
4.347		32297	27219
4.391		155334	142738
4.424		33972	26515
4.464		3959	2985
4.488		7578	5875

RT A	Compound A	Height A	Area A
4.529		44800	44994
4.598		136636	196650
4.645		231400	209149
4.69		378609	444816
4.728		101802	73171
4.767		948046	917494
4.815		6598	7705
4.858		124942	148616
4.889		8479	5312
4.915		229852	226507
4.968		1310468	1640179
5.018		236963	216944
5.062		655374	728732
5.103		18017	10651
5.14		154311	192334
5.177		1729070	1861551
5.239		864526	810025
5.283		609946	611461
5.336		2422	1813
5.404		1200834	1600193
5.463		549868	515481
5.503		306073	286894
5.543		64303	61995
5.588		303222	297910
5.616		15880	8310
5.644		3064645	3124602
5.731		5757	5952
5.764		2101	1397
5.788		3135	2248
5.851		1647977	1743530
5.888		447522	868445
6.034		32638	50513
6.1		44917	36166
6.123		292452	267096
6.192		3079	3264
6.247		1391	985
6.279		751156	774589
6.324		55899	54361
6.364		1152	1030
6.393		2933	2633
6.479		158878	172034
6.625		64307	62010
6.651	DCB	20345	16080
6.702		2865	3304
6.895		7947	7978
6.938		1240	1159

LANCASTER LABORATORIES

Sample Number: 8570358MSDACF DF50 ACA5115 MSD 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:50:42 AM 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: 25pcbs16207031B.0059.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS16207018.CAL

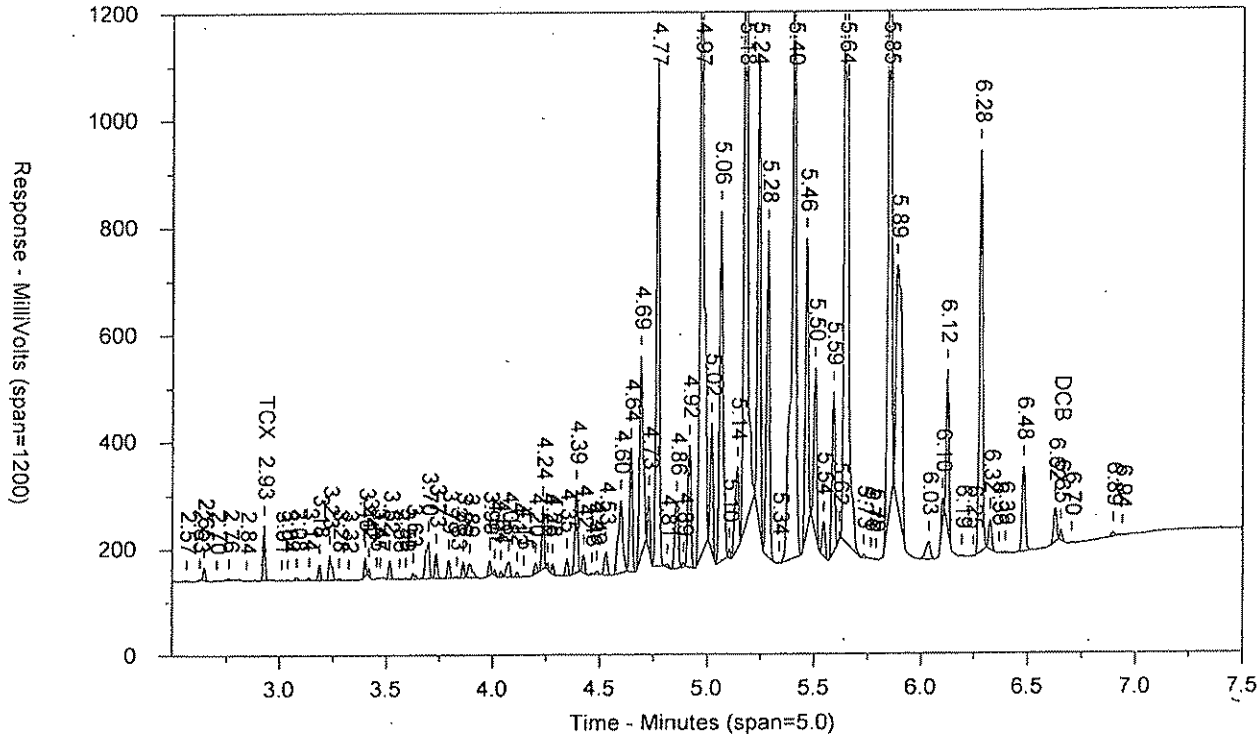
RT B	Compound B	Height B	Area B
2.101		10721	12936
2.146		16766	14330
2.219		7209	7858
2.266		2187	1831
2.35		42376	30341
2.449		2599	2387
2.478		2587	2428
2.521		1005	1007
2.575		3566	2964
2.6	TCX	157081	90000
2.645		3159	1797
2.698		3374	5949
2.754		1586	841
2.771		11988	6639
2.831		12103	8983
2.883		35023	19539
2.905		63059	30382
2.936		2190	2005
2.994		6616	4331
3.021		1422	1270
3.054		1764	1644
3.089		68987	63641
3.141		5925	3619
3.162		3125	1839
3.187		7265	4397
3.211		61337	41606
3.248		8644	6263
3.294		15984	8023
3.309		10127	4954
3.338		1546	868
3.359		39240	18576
3.369		63702	26500
3.402		66216	49611
3.476		66683	42206
3.511		55634	33226
3.535		65788	35923
3.552		15365	7091
3.608		1898	806
3.638		61968	40550
3.66		27078	14322
3.681		22772	12583
3.71		22310	11415
3.727		49634	27965
3.766		17263	12133
3.814		11728	11732
3.837		12973	7391
3.857		259523	166811
3.883		24988	13927
3.902		9926	4778
3.921		91431	60380
3.956		313294	204944
3.987		68709	40200
4.004		26572	19260
4.065		14173	19861

RT B	Compound B	Height B	Area B
4.098		62163	58898
4.128		20155	16144
4.155		98654	64205
4.197		188565	125074
4.214		203556	91376
4.228		673626	370252
4.252		379409	367548
4.305		2351765	1708611
4.352		41962	43734
4.373		157365	97673
4.398		621960	443532
4.44		3354281	2461075
4.494		8311	5388
4.541		2380894	2177779
4.593		348801	285637
4.631		801845	668002
4.667		3757243	2977742
4.699		1897768	1342195
4.737		1356358	1055931
4.795		9776	9901
4.835		436145	424073
4.886		2558793	1918719
4.909		332968	209668
4.959		1369370	1186556
4.995		699088	538407
5.024		530765	418211
5.056		87540	47521
5.078		7209150	5742329
5.119		134109	95622
5.151		188368	145907
5.195		5773	4427
5.216		7415	4349
5.269		61675	35432
5.293		1169916	937200
5.336		4172512	4478724
5.443		3665	4963
5.492		65153	53155
5.537		127062	97893
5.56		32125	20425
5.608		748490	671854
5.652		5062	4239
5.69		4644	2621
5.716		1805896	1434584
5.746		96458	67549
5.829		3060	1970
5.915		342430	279665
5.964		1970	1644
6.033		1323	969
6.073	DCB	151954	126744
6.109		2452	2078
6.179		1095	828
6.204		1456	1211
6.245		3710	2784
6.272		54981	49657
6.338		2542	2520
6.381		1191	634
6.437		1629	2896
6.491		1525	960
6.514		11716	9549
6.551		2633	1771
6.655		1745	3717
6.691		1945	4063
6.761		2034	2221
6.801		1104	1170
6.873		3764	7226
6.913		1475	1633

RT B	Compound B	Height B	Area B
6.969		4683	5048

8570358MSDACF DF50 ACA5115 MSD 162530010A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207031.0059.RAW



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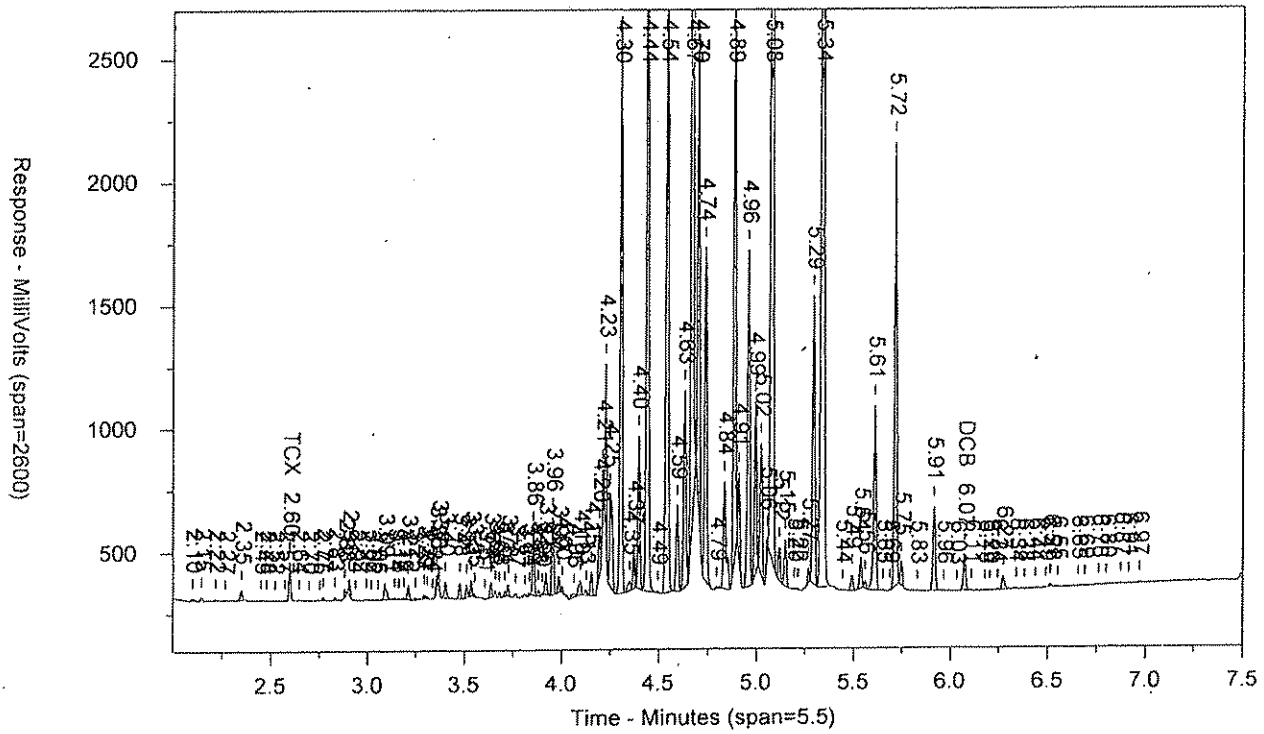

LANCASTER LABORATORIES

Sample Number: 8570358MSDACF DF50 ACA5115 MSD 162530010A 10225 SW-846 8082
Injected On: 9/12/2016 6:50:42 AM
Sample Weight: 10.25
Dilution Factor: 500
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: 4
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	103362	37.267	TCX	2.6	157081	31.197	TCX
6.651	20345	14.848	DCB	6.073	151954	38.964	DCB

Files:
Area File: 25pcbs16207031.0059.RAW
Area File: 25pcbs16207031B.0059.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/12/2016 6:59:16 AM
File Reported On: 9/12/2016 at 6:59:27 AM

8570358MSDACF DF50 ACA5115 MSD 162530010A 10225 SW-846 8082

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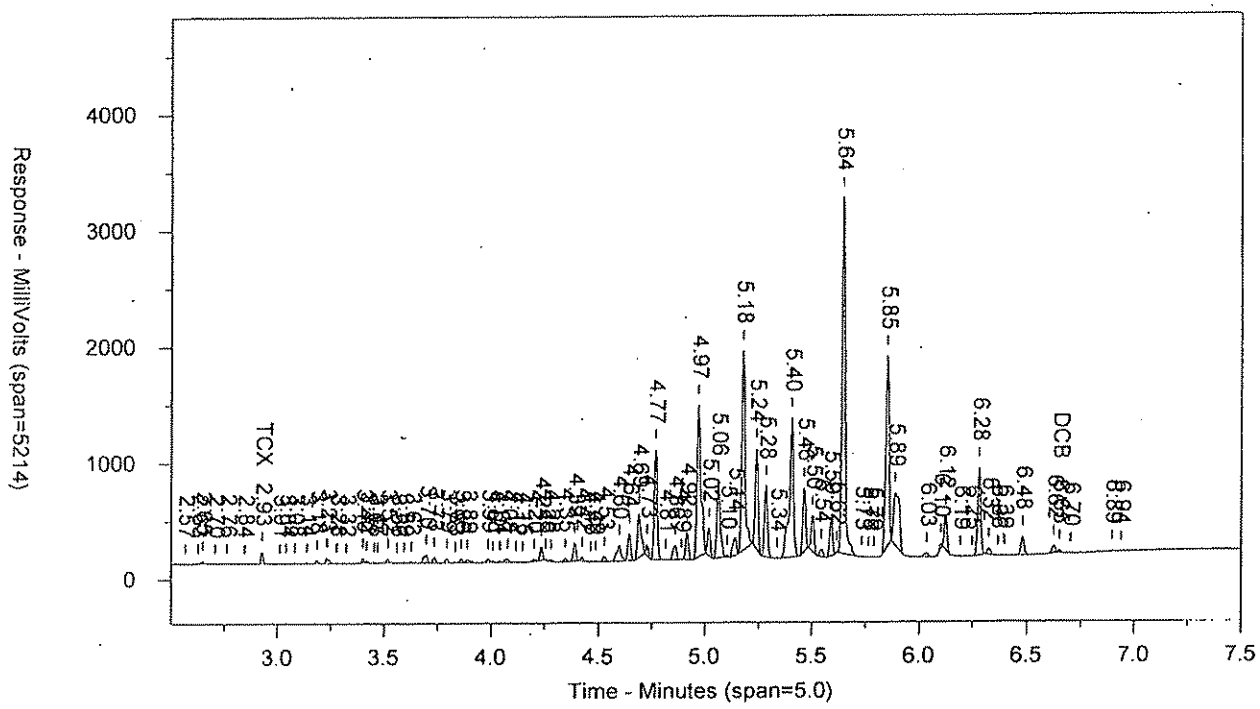

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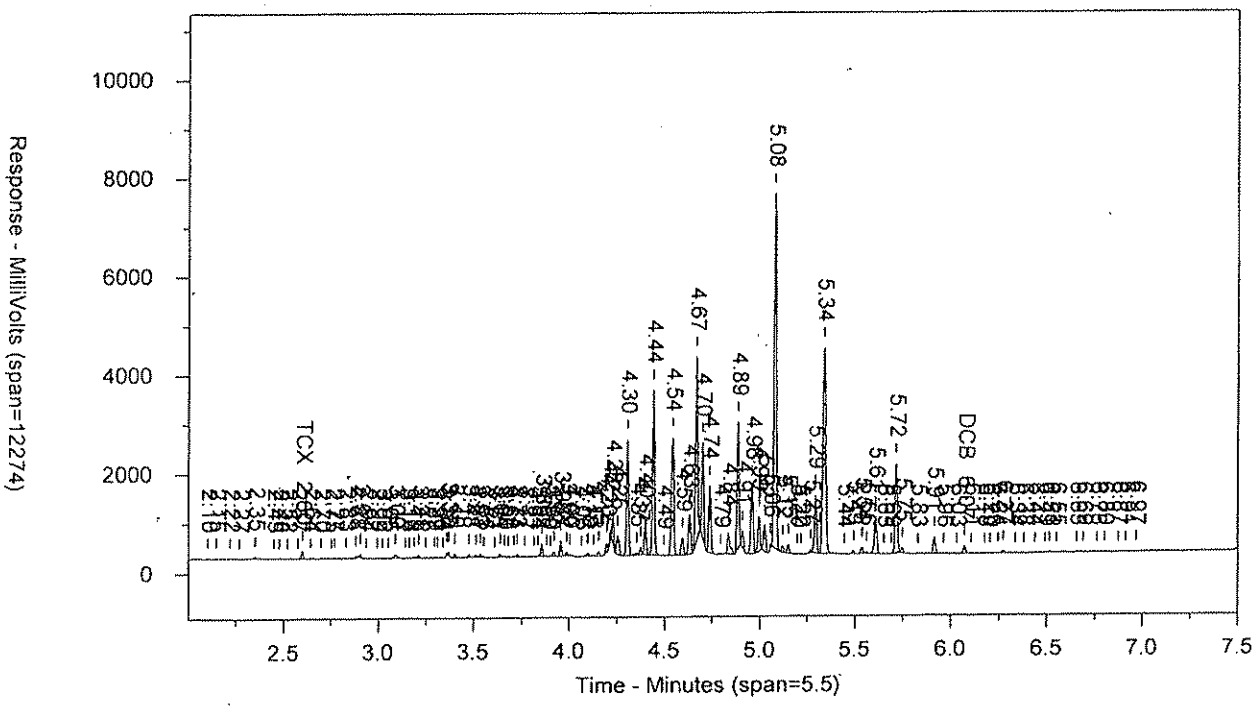

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 504 Sally Appleyard

Reviewed by: KAT 9065 Start Date: 9/10/16 Start time: 1213 0

162530010A

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
8570357MS	A5115	10.03	SS1621724A	1.0	MS1623224B	1.0	10	Z	Z	314A	
8570358MSD	A5115	10.25	SS1621724A		MS1623224B	1.0	10	Z	Z	314A	
BLANKA	PBLK10253	10.0	SS1621724A				10	Z	Z		
LCSA	LCS10253	10.0	SS1621724A		MS1623224B	1.0	10	Z	Z		

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185082364
Filter Paper	9729320
Hexane	163928
Sodium Sulfate	162531

Spike Solutions: Witness: N/A

MS1623224B PCB SPIKE

SS1621724A 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 8570342	A5101	10.40	SS1621724A	1.0	10	Z	Z	314A	Soil;Wet;Rocks;Black;Orange	10225	1869	09/19/2016	N
2 8570343	A5102	10.20	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
3 8570344	A5103	10.23	SS1621724A		10	Z	Z	314A	Soil;Sandy;Rocks;Black;Orange	10225	1869	09/19/2016	N
4 8570345	A5104	10.18	SS1621724A		10	Z	Z	314a	Soil;Wet;Rocks;Black	10225	1869	09/19/2016	N
5 8570346	A5105	10.11	SS1621724A		10	Z	Z	314A	Soil;Sandy;Rocks;Black;Orange	10225	1869	09/19/2016	N
6 8570347	A5106	10.06	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
7 8570348	A5107	10.39	SS1621724A		10	Z	Z	314A	Soil;Wet;Black;Red	10225	1869	09/19/2016	N
8 8570349	A5108	10.03	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black;Orange	10225	1869	09/19/2016	N
9 8570350	A5109	10.22	SS1621724A		10	Z	Z	314A	Soil;Sandy;Rocks;Black;Orange	10225	1869	09/19/2016	N
10 8570351	A5110	10.50	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
11 8570352	A5111	10.03	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
12 8570353	A5112	10.34	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
13 8570354	A5113	10.10	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
14 8570355	A5114	10.47	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
15 8570356BKG	A5115	10.30	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
16 8570359	A5116	10.28	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
17 8570360	A5117	10.32	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N
18 8570361	A5118	10.14	SS1621724A		10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/19/2016	N

SLA 9/10/16 N/A

Rack ID:		Work Station	Stove	Micro Temp 100?	
Internal Standard		Balance #	—		

S-bath ID:	97 C	S-bath ID	C	N-Evap	C	M-vap	C	162530010A

Documented temps are NIST corrected.

DF = Dilution Factor FV = Final Volume

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 162530010A

Verified: KMT 9/09
Start Date: 9/10/16
Start Time: 1700
Tech 1: SLA-304
Tech 2:

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8570342		10.0	10.0				10225
2	8570343							10225
3	8570344							10225
4	8570345							10225
5	8570346							10225
6	8570347							10225
7	8570348							10225
8	8570349							10225
9	8570350							10225
10	8570351							10225
11	8570352							10225
12	8570353							10225
13	8570354							10225
14	8570355							10225
15	8570356							10225
16	8570357	MS						10225
17	8570358	MSD						10225
18	8570359							10225
19	8570360							10225
20	8570361							10225
21	BLANKA							
22	LCSA							

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H2SO4	162372

Prep-Process Worksheet

Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch: 162530010A

Verified: [illegible]
Start Date: 9/10/16
Start Time: 11:15
Tech 1: S LA 504
Tech 2:

	Sample #	QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8570342		2.0	2.0				10225
2	8570343							10225
3	8570344							10225
4	8570345							10225
5	8570346							10225
6	8570347							10225
7	8570348							10225
8	8570349							10225
9	8570350							10225
10	8570351							10225
11	8570352							10225
12	8570353							10225
13	8570354							10225
14	8570355							10225
15	8570356							10225
16	8570357	MS						10225
17	8570358	MSD						10225
18	8570359							10225
19	8570360							10225
20	8570361							10225
21	BLANKA							
22	LCSA							

S LA 9/10/16 [illegible]

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: 162530010A

Verified: [illegible] 9068
Start Date: 9/10/14
Start Time: 7:30
Tech 1: S LA 504
Tech 2:

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8570342		1.0	1.0				10225
2	8570343							10225
3	8570344							10225
4	8570345							10225
5	8570346							10225
6	8570347							10225
7	8570348							10225
8	8570349							10225
9	8570350							10225
10	8570351							10225
11	8570352							10225
12	8570353							10225
13	8570354							10225
14	8570355							10225
15	8570356							10225
16	8570357	MS						10225
17	8570358	MSD						10225
18	8570359							10225
19	8570360							10225
20	8570361							10225
21	BLANKA							
22	LCSA							

S LA 9/10/14

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Copper	L15040 BB

Moisture Data

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CLIENT: Stantec
SDG: ATD51

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
8570342	A5101
8570343	A5102
8570344	A5103
8570345	A5104
8570346	A5105
8570347	A5106
8570348	A5107
8570349	A5108
8570350	A5109
8570351	A5110
8570352	A5111
8570353	A5112
8570354	A5113
8570355	A5114
8570356	A5115BKG
8570357	A5115MS
8570358	A5115MSD
8570359	A5116FD
8570360	A5117
8570361	A5118

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: 16258820014A	Sample number(s): 8570342-8570361				
Moisture	100		99-101		
Moisture	100		99-101		
Moisture Duplicate	100		99-101		

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 16258820014A	Sample number(s): 8570342-8570361			
Moisture	16.1	14.7	9*	5
Moisture	16.1	14.7	9*	5
Moisture Duplicate	16.1	14.7	9*	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: ATD51

MOISTURE

Moisture Data Report

Batch #: 16258820014

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
8570342	A	00111	1.1052	5.6182	6.1882	9.53	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570343	A	00111	1.1122	5.1871	5.6855	11.83	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570344	A	00111	1.0915	5.4936	6.0753	9.28	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570345	A	00111	1.0701	5.4617	5.8322	12.81	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570346	A	00111	1.0696	5.0909	5.5748	11.50	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570347	A	00111	1.0777	5.0863	5.5317	12.43	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570348	A	00111	1.1025	5.7540	6.5036	6.13	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570349	A	00111	1.0965	5.8811	6.3644	10.43	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570350	A	00111	1.0876	6.3523	7.0259	6.52	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570351	A	00111	1.0846	6.2183	6.7377	9.09	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570352	A	00111	1.0748	5.0681	5.8709	5.37	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570353	A	00111	1.0942	5.0255	5.5377	11.58	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570354	A	00111	1.0932	5.2216	5.7604	10.62	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570355	A	00111	1.0849	6.2693	6.5387	13.01	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570356BKG	A	00111	1.0731	5.6449	5.8082	16.12	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570357MS	A	00118				16.12	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570358MSD	A	00118				16.12	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570358MSD	A	00121	1.0916	5.7420	5.9909	14.68	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570359FD	A	00111	1.0998	6.1066	6.2102	16.31	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570360	A	00111	1.0824	5.0947	5.0089	22.93	9/15/16 (189/WCS)	9/16/16 (236/CW)
8570361	A	00111	1.0634	6.2583	6.2165	17.66	9/15/16 (189/WCS)	9/16/16 (236/CW)
LCS 89.5% Std.		00111	1.0723	5.0079	1.6016	89.43	9/15/16 (189/WCS)	9/16/16 (236/CW)