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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 05/17/17

SDG# ATE51

GROUP	SAMPLE NUMBERS
1803119	9001107-9001126

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

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

Authorized by: Dana M Kauffman **Date: 06/14/2017**

Dana M. Kauffman
Manager

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

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Sample Reference List for SDG Number ATE51
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9001107	E-23(0.0-0.3)	05/17/2017 13:12	05/18/2017 19:30
9001108	E-23(0.5-0.8)	05/17/2017 13:13	05/18/2017 19:30
9001109	E-23(1.0-1.3)	05/17/2017 13:14	05/18/2017 19:30
9001110	E-24(0.0-0.3)	05/17/2017 13:15	05/18/2017 19:30
9001111	E-24(0.5-0.8)	05/17/2017 13:16	05/18/2017 19:30
9001112	E-24(1.0-1.3)	05/17/2017 13:17	05/18/2017 19:30
9001113	E-25(0.0-0.3)	05/17/2017 13:27	05/18/2017 19:30
9001114	E-25(0.5-0.8)	05/17/2017 13:28	05/18/2017 19:30
9001115	E-25(1.0-1.3)	05/17/2017 13:29	05/18/2017 19:30
9001116	E-26(0.0-0.3)	05/17/2017 13:37	05/18/2017 19:30
9001117	E-22(0.5-0.8)	05/17/2017 13:03	05/18/2017 19:30
9001118	E-26(0.5-0.8)	05/17/2017 13:38	05/18/2017 19:30
9001119	E-26(1.0-1.3)	05/17/2017 13:39	05/18/2017 19:30
9001120	E-27(0.0-0.3)	05/17/2017 13:51	05/18/2017 19:30
9001121	E-27(0.5-0.8)	05/17/2017 13:52	05/18/2017 19:30
9001122	E-27(1.0-1.3)	05/17/2017 13:53	05/18/2017 19:30
9001123	E-28(0.0-0.3)	05/17/2017 13:55	05/18/2017 19:30
9001124	E-28(0.5-0.8)	05/17/2017 13:56	05/18/2017 19:30
9001125	E-28(1.0-1.3)	05/17/2017 13:57	05/18/2017 19:30
9001126	E-29(0.0-0.3)	05/17/2017 14:02	05/18/2017 19:30

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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

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

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

Analysis Reports / Field Chain of Custody

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Report Date: May 25, 2017

Project: Amtrak Wilmington

Submittal Date: 05/18/2017
Group Number: 1803119
SDG: ATE51
PO Number: 213402048
State of Sample Origin: DE

Client Sample Description	Lancaster Labs (LL) #
E-23(0.0-0.3) Grab Soil	9001107
E-23(0.5-0.8) Grab Soil	9001108
E-23(1.0-1.3) Grab Soil	9001109
E-24(0.0-0.3) Grab Soil	9001110
E-24(0.5-0.8) Grab Soil	9001111
E-24(1.0-1.3) Grab Soil	9001112
E-25(0.0-0.3) Grab Soil	9001113
E-25(0.5-0.8) Grab Soil	9001114
E-25(1.0-1.3) Grab Soil	9001115
E-26(0.0-0.3) Grab Soil	9001116
E-22(0.5-0.8) Grab Soil	9001117
E-26(0.5-0.8) Grab Soil	9001118
E-26(1.0-1.3) Grab Soil	9001119
E-27(0.0-0.3) Grab Soil	9001120
E-27(0.5-0.8) Grab Soil	9001121
E-27(1.0-1.3) Grab Soil	9001122
E-28(0.0-0.3) Grab Soil	9001123
E-28(0.5-0.8) Grab Soil	9001124
E-28(1.0-1.3) Grab Soil	9001125
E-29(0.0-0.3) Grab Soil	9001126

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

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

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

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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Analysis Report

Sample Description: E-23(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9001107
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:12 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A01 SDG#: ATE51-01

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	< 0.052	0.052	1
10225	PCB-1221	11104-28-2	< 0.052	0.052	1
10225	PCB-1232	11141-16-5	< 0.052	0.052	1
10225	PCB-1242	53469-21-9	< 0.052	0.052	1
10225	PCB-1248	12672-29-6	< 0.052	0.052	1
10225	PCB-1254	11097-69-1	< 0.052	0.052	1
10225	PCB-1260	11096-82-5	0.44	0.052	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.6	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171420036A	05/24/2017 18:12	Jessica L Miller	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171420036A	05/23/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

Sample Description: E-23(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 9001108
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:13 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A02 SDG#: ATE51-02

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	< 0.25	0.25	5
10225	PCB-1221	11104-28-2	< 0.25	0.25	5
10225	PCB-1232	11141-16-5	< 0.25	0.25	5
10225	PCB-1242	53469-21-9	< 0.25	0.25	5
10225	PCB-1248	12672-29-6	< 0.25	0.25	5
10225	PCB-1254	11097-69-1	< 0.25	0.25	5
10225	PCB-1260	11096-82-5	1.6	0.25	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.7	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171420036A	05/24/2017 18:35	Jessica L Miller	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171420036A	05/23/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

Sample Description: E-23(1.0-1.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 9001109
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:14 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A03 SDG#: ATE51-03

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	< 0.53	0.53	10
10225	PCB-1221	11104-28-2	< 0.53	0.53	10
10225	PCB-1232	11141-16-5	< 0.53	0.53	10
10225	PCB-1242	53469-21-9	< 0.53	0.53	10
10225	PCB-1248	12672-29-6	< 0.53	0.53	10
10225	PCB-1254	11097-69-1	< 0.53	0.53	10
10225	PCB-1260	11096-82-5	3.4	0.53	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	5.7	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	171430031A	05/25/2017 08:01	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001110
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:15 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A04 SDG#: ATE51-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.052	0.052	1
10225	PCB-1221	11104-28-2	< 0.052	0.052	1
10225	PCB-1232	11141-16-5	< 0.052	0.052	1
10225	PCB-1242	53469-21-9	< 0.052	0.052	1
10225	PCB-1248	12672-29-6	< 0.052	0.052	1
10225	PCB-1254	11097-69-1	< 0.052	0.052	1
10225	PCB-1260	11096-82-5	0.12	0.052	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171430031A	05/25/2017 08:12	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001111
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:16 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A05 SDG#: ATE51-05

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	< 0.052	0.052	1
10225	PCB-1221	11104-28-2	< 0.052	0.052	1
10225	PCB-1232	11141-16-5	< 0.052	0.052	1
10225	PCB-1242	53469-21-9	< 0.052	0.052	1
10225	PCB-1248	12672-29-6	< 0.052	0.052	1
10225	PCB-1254	11097-69-1	< 0.052	0.052	1
10225	PCB-1260	11096-82-5	0.54	0.052	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.1	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	171430031A	05/25/2017 08:24	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001112
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:17 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A06 SDG#: ATE51-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.053	0.053	1
10225	PCB-1221	11104-28-2	< 0.053	0.053	1
10225	PCB-1232	11141-16-5	< 0.053	0.053	1
10225	PCB-1242	53469-21-9	< 0.053	0.053	1
10225	PCB-1248	12672-29-6	< 0.053	0.053	1
10225	PCB-1254	11097-69-1	< 0.053	0.053	1
10225	PCB-1260	11096-82-5	0.34	0.053	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.7	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	171430031A	05/25/2017 08:35	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001113
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:27 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A07 SDG#: ATE51-07

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	< 0.053	0.053	1
10225	PCB-1221	11104-28-2	< 0.053	0.053	1
10225	PCB-1232	11141-16-5	< 0.053	0.053	1
10225	PCB-1242	53469-21-9	< 0.053	0.053	1
10225	PCB-1248	12672-29-6	< 0.053	0.053	1
10225	PCB-1254	11097-69-1	< 0.053	0.053	1
10225	PCB-1260	11096-82-5	0.19	0.053	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.3	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171430031A	05/25/2017 08:47	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001114
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:28 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A08 SDG#: ATE51-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	1.3	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.7	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171430031A	05/25/2017 08:58	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001115
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:29 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

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1060 Andrew Drive
Suite 140
West Chester PA 19380

51A09 SDG#: ATE51-09

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	< 0.053	0.053	1
10225	PCB-1221	11104-28-2	< 0.053	0.053	1
10225	PCB-1232	11141-16-5	< 0.053	0.053	1
10225	PCB-1242	53469-21-9	< 0.053	0.053	1
10225	PCB-1248	12672-29-6	< 0.053	0.053	1
10225	PCB-1254	11097-69-1	< 0.053	0.053	1
10225	PCB-1260	11096-82-5	0.095	0.053	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	5.0	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	171430031A	05/25/2017 09:09	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001116
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:37 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A10 SDG#: ATE51-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.76	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.2	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171430031A	05/25/2017 09:21	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006A	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

Sample Description: E-22(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 9001117
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:03 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A11 SDG#: ATE51-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.053	0.053	1
10225	PCB-1221	11104-28-2	< 0.053	0.053	1
10225	PCB-1232	11141-16-5	< 0.053	0.053	1
10225	PCB-1242	53469-21-9	< 0.053	0.053	1
10225	PCB-1248	12672-29-6	< 0.053	0.053	1
10225	PCB-1254	11097-69-1	< 0.053	0.053	1
10225	PCB-1260	11096-82-5	0.46	0.053	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.1	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	171430031A	05/25/2017 09:32	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001118
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:38 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A12 SDG#: ATE51-12

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	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	1.3	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.3	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171430031A	05/25/2017 09:44	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001119
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:39 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
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Suite 140
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51A13 SDG#: ATE51-13

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	< 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	1.0	0.27	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	5.9	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	171430031A	05/25/2017 10:18	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001120
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:51 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
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Suite 140
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51A14 SDG#: ATE51-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	1.1	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171430031A	05/25/2017 10:29	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001121
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:52 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
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Suite 140
West Chester PA 19380

51A15 SDG#: ATE51-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.82	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	6.0	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	171430031A	05/25/2017 10:41	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001122
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:53 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A16 SDG#: ATE51-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.054	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	0.23	0.054	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	6.4	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171430031A	05/25/2017 10:52	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001123
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:55 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A17 SDG#: ATE51-17

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	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.95	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	5.6	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	171430031A	05/25/2017 11:04	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001124
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:56 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A18 SDG#: ATE51-18

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.52	0.52	10
10225	PCB-1221	11104-28-2	< 0.52	0.52	10
10225	PCB-1232	11141-16-5	< 0.52	0.52	10
10225	PCB-1242	53469-21-9	< 0.52	0.52	10
10225	PCB-1248	12672-29-6	< 0.52	0.52	10
10225	PCB-1254	11097-69-1	< 0.52	0.52	10
10225	PCB-1260	11096-82-5	2.3	0.52	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	5.9	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	171430031A	05/25/2017 11:15	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001125
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 13:57 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A19 SDG#: ATE51-19

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	1.0	0.27	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.4	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	171430031A	05/25/2017 11:27	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

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Analysis Report

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

LL Sample # SW 9001126
LL Group # 1803119
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 14:02 by JZ

Submitted: 05/18/2017 19:30
Reported: 05/25/2017 15:48

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

51A20 SDG#: ATE51-20

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.051	0.051	1
10225	PCB-1221	11104-28-2	< 0.051	0.051	1
10225	PCB-1232	11141-16-5	< 0.051	0.051	1
10225	PCB-1242	53469-21-9	< 0.051	0.051	1
10225	PCB-1248	12672-29-6	< 0.051	0.051	1
10225	PCB-1254	11097-69-1	< 0.051	0.051	1
10225	PCB-1260	11096-82-5	0.33	0.051	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.0	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171430031A	05/25/2017 11:38	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171430031A	05/24/2017 09:00	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997	1	17144820006B	05/24/2017 20:03	Scott W Freisher	1

Quality Control Summary

Client Name: Stantec
Reported: 05/25/2017 15:48

Group Number: 1803119

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: 171420036A	Sample number(s): 9001107-9001108	
PCB-1016	< 0.051	0.051
PCB-1221	< 0.051	0.051
PCB-1232	< 0.051	0.051
PCB-1242	< 0.051	0.051
PCB-1248	< 0.051	0.051
PCB-1254	< 0.051	0.051
PCB-1260	< 0.051	0.051
Batch number: 171430031A	Sample number(s): 9001109-9001126	
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: 171420036A	Sample number(s): 9001107-9001108								
PCB-1016	0.501	0.496			99		80-121		
PCB-1260	0.504	0.517			103		84-125		
Batch number: 171430031A	Sample number(s): 9001109-9001126								
PCB-1016	0.501	0.515			103		80-121		
PCB-1260	0.504	0.513			102		84-125		
	%	%	%	%					
Batch number: 17144820006A	Sample number(s): 9001107-9001116								
Moisture	89.5	89.35			100		99-101		
Batch number: 17144820006B	Sample number(s): 9001117-9001126								
Moisture	89.5	89.35			100		99-101		

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

Quality Control Summary

Client Name: Stantec
Reported: 05/25/2017 15:48

Group Number: 1803119

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: 171420036A	Sample number(s): 9001107-9001108 UNSPK: P001099									
PCB-1016	< 0.050	0.482	0.477	0.492	0.503	99	102	80-121	5	50
PCB-1260	0.387	0.485	0.847	0.496	0.639	95	51*	84-125	28	50
Batch number: 171430031A	Sample number(s): 9001109-9001126 UNSPK: 9001118									
PCB-1016	< 0.25	0.484	0.503	0.486	0.512	104	105	80-121	2	50
PCB-1260	1.28	0.487	1.54	0.490	1.46	55*	37*	84-125	6	50

Laboratory Duplicate

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

Analysis Name	BKG Conc %	DUP Conc %	DUP RPD	DUP RPD Max
Batch number: 17144820006A	Sample number(s): 9001107-9001116 BKG: 9001111			
Moisture	4.13	3.64	13*	5
Batch number: 17144820006B	Sample number(s): 9001117-9001126 BKG: 9001122			
Moisture	6.39	5.59	13*	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: 171420036A

	Tetrachloro-m-xylene	Decachlorobiphenyl
9001107	99	96
9001108	102	110
Blank	113	116
LCS	112	113
MS	113	108
MSD	117	107
Limits:	61-152	48-164

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

Quality Control Summary

Client Name: Stantec
Reported: 05/25/2017 15:48

Group Number: 1803119

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 171430031A

	Tetrachloro-m-xylene	Decachlorobiphenyl
9001109	109	117
9001110	102	98
9001111	102	84
9001112	99	81
9001113	109	101
9001114	111	104
9001115	114	101
9001116	94	104
9001117	120	104
9001118	102	108
9001119	96	104
9001120	101	107
9001121	85	102
9001122	100	103
9001123	109	120
9001124	108	118
9001125	98	115
9001126	106	108
Blank	117	106
LCS	115	107
MS	105	112
MSD	106	107
Limits:	61-152	48-164

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

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1803119 Sample # 9001107-26

COC # 528920 7 of 11

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zeibe

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

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

Analysis Requested / Preservation Codes: PCBs 3550b

For Lab Use Only

FSC:

SCR#:

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

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers
E-23 (0.0-0.3)	5-17-17	1312	X	X	1
E-23 (0.5-0.8)		1313			
E-23 (1.0-1.3)		1314			
E-24 (0.0-0.3)		1315			
E-24 (0.5-0.8)		1316			
E-24 (1.0-1.3)		1317			
E-25 (0.0-0.3)		1327			
E-25 (0.5-0.8)		1328			
E-25 (1.0-1.3)		1329			
E-26 (0.0-0.3)		1337			

Turnaround Time (TAT) Requested (please circle)

Standard Rush

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

Date results are needed: ____

E-mail address: ____

Data Package Options (circle if required)

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

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

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5/18/17	1325	[signature]	5-18-17	1225
[signature]	5-18-17	1330			
			[signature]	5/18/17	1930

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 1.2-2.3 C

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1803119 Sample # 9001107-26

COC # 528919 8 of 11

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

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	PCBs 3550B
E-22 (0.5-0.8)	5-17-17	1303	X		1	X
E-26 (0.5-0.8)		1338				
E-26 (1.0-1.3)		1339				
E-27 (0.0-0.3)		1351				
E-27 (0.5-0.8)		1352				
E-27 (1.0-1.3)		1353				
E-28 (0.0-0.5)		1355				
E-28 (0.5-0.8)		1356				
E-28 (1.0-1.3)		1357				
E-29 (0.0-0.3)		1402				

For Lab Use Only
FSC:
SCR#:

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

Remarks

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

Date results are needed: ____

E-mail address: ____

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

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5-18-17	1225	[signature]	5-18-17	1225
[signature]	5-18-17	1930			
			[signature]	5/19/17	1930

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 1.2-2.3°C

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Sample Administration Receipt Documentation Log

Doc Log ID: 184112

Group Number(s): 1803119

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	05/18/2017 19:30
Number of Packages:	2	Number of Projects:	1
State/Province of Origin:	DE		

Arrival Condition Summary

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

Unpacked by Karen Diem (3060) at 21:37 on 05/18/2017

Samples Chilled Details

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

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	2.3	DT	Wet	Y	Bagged	N
2	DT121	1.2	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17601-2526
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Explanation of Symbols and Abbreviations

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

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

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

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

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

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

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

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

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

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

Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

Polychlorinated Biphenyls (PCBs)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATE51

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9001107	E-23(0.0-0.3)		X	1	
9001108	E-23(0.5-0.8)		X	5	
9001109	E-23(1.0-1.3)		X	10	
9001110	E-24(0.0-0.3)		X	1	
9001111	E-24(0.5-0.8)		X	1	
9001112	E-24(1.0-1.3)		X	1	
9001113	E-25(0.0-0.3)		X	1	
9001114	E-25(0.5-0.8)		X	5	
9001115	E-25(1.0-1.3)		X	1	
9001116	E-26(0.0-0.3)		X	5	
9001117	E-22(0.5-0.8)		X	1	
9001118	E-26(0.5-0.8)		X	5	
9001119	E-26(1.0-1.3)		X	5	
9001120	E-27(0.0-0.3)		X	5	
9001121	E-27(0.5-0.8)		X	5	
9001122	E-27(1.0-1.3)		X	1	
9001123	E-28(0.0-0.3)		X	5	
9001124	E-28(0.5-0.8)		X	10	
9001125	E-28(1.0-1.3)		X	5	
9001126	E-29(0.0-0.3)		X	1	

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

CALIBRATION/STANDARDIZATION:

(Sample number(s): 9001107-9001126: Analysis: 10225)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATE51

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

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#: 171430031A (Sample number(s): 9001109-9001126, UNSPK: 9001118)
The recovery(ies) for the following analyte(s) in the MS and MSD were below the acceptance window: PCB-1260

SAMPLE ANALYSIS:

No problems were encountered with the analysis of the samples.

Abbreviation Key

UNSPK = Unspiked (for MS/MSD)	LOQ = Limit of Quantitation
+MS = Matrix Spike	MDL = Method Detection Limit
MSD = Matrix Spike Duplicate	ND = Not Detected
BKG = Background (for Duplicate)	J = Estimated Value
D = Duplicate (DUP)	E= out of calibration range
LCS = Lab Control Sample	RE = Repreparation/Reanalysis
LCSD = Lab Control Sample Duplicate	* = Out of Specification

Quality Control and Calibration Summary Forms

Polychlorinated Biphenyls (PCBs)

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Quality Control Reference List
Pesticide Residue Analysis

CLIENT: Stantec
SDG: ATE51

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	171420036A	PBLK36142	05/24/2017 12:17:00
		LCS36142	05/24/2017 12:29:00
		9001107	05/24/2017 18:12:00
		9001108	05/24/2017 18:35:00
PCBs in Solids by 8082/3550	171430031A	PBLK31143	05/25/2017 07:15:00
		LCS31143	05/25/2017 07:27:00
		9001109	05/25/2017 08:01:00
		9001110	05/25/2017 08:12:00
		9001111	05/25/2017 08:24:00
		9001112	05/25/2017 08:35:00
		9001113	05/25/2017 08:47:00
		9001114	05/25/2017 08:58:00
		9001115	05/25/2017 09:09:00
		9001116	05/25/2017 09:21:00
		9001117	05/25/2017 09:32:00
		9001118 UNSPK	05/25/2017 09:44:00
		9001118 MS	05/25/2017 09:55:00
		9001118 MSD	05/25/2017 10:06:00
		9001119	05/25/2017 10:18:00
		9001120	05/25/2017 10:29:00
		9001121	05/25/2017 10:41:00
		9001122	05/25/2017 10:52:00
		9001123	05/25/2017 11:04:00
		9001124	05/25/2017 11:15:00
		9001125	05/25/2017 11:27:00
		9001126	05/25/2017 11:38:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATE51
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

171420036A / PBLK36142 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	05/24/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	05/24/17	N.D.	mg/kg	0.015	0.051
PCB-1232	05/24/17	N.D.	mg/kg	0.012	0.051
PCB-1242	05/24/17	N.D.	mg/kg	0.012	0.051
PCB-1248	05/24/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	05/24/17	N.D.	mg/kg	0.013	0.051
PCB-1260	05/24/17	N.D.	mg/kg	0.012	0.051

171430031A / PBLK31143 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	05/25/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	05/25/17	N.D.	mg/kg	0.015	0.051
PCB-1232	05/25/17	N.D.	mg/kg	0.012	0.051
PCB-1242	05/25/17	N.D.	mg/kg	0.012	0.051
PCB-1248	05/25/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	05/25/17	N.D.	mg/kg	0.013	0.051
PCB-1260	05/25/17	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATE51
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

171420036A	**Decachlorobiphenyl**		**Tetrachloro-m-xylene**	
	Spike Added	29.3 ug/kg	**Spike Added**	29.2 ug/kg
Sample	**% Recovery**	**Limits**	**% Recovery**	**Limits**
PBLK36142	116	48 - 164	113	61 - 152
LCS36142	113	48 - 164	112	61 - 152
9001107	96	48 - 164	99	61 - 152
9001108	110	48 - 164	102	61 - 152

171430031A	**Decachlorobiphenyl**		**Tetrachloro-m-xylene**	
	Spike Added	29.3 ug/kg	**Spike Added**	29.2 ug/kg
Sample	**% Recovery**	**Limits**	**% Recovery**	**Limits**
PBLK31143	106	48 - 164	117	61 - 152
LCS31143	107	48 - 164	115	61 - 152
9001109	117	48 - 164	109	61 - 152
9001110	98	48 - 164	102	61 - 152
9001111	84	48 - 164	102	61 - 152
9001112	81	48 - 164	99	61 - 152
9001113	101	48 - 164	109	61 - 152
9001114	104	48 - 164	111	61 - 152
9001115	101	48 - 164	114	61 - 152
9001116	104	48 - 164	94	61 - 152
9001117	104	48 - 164	120	61 - 152
9001118 UNSPK	108	48 - 164	102	61 - 152
9001118 MS	112	48 - 164	105	61 - 152
9001118 MSD	107	48 - 164	106	61 - 152
9001119	104	48 - 164	96	61 - 152
9001120	107	48 - 164	101	61 - 152
9001121	102	48 - 164	85	61 - 152
9001122	103	48 - 164	100	61 - 152
9001123	120	48 - 164	109	61 - 152
9001124	118	48 - 164	108	61 - 152
9001125	115	48 - 164	98	61 - 152
9001126	108	48 - 164	106	61 - 152

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ATE51
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9001118 MS: 9001118 MSD: 9001118 **Analyte**	Batch: **171430031A** (Sample number(s): 9001109-9001126)								
	Spike Added mg/kg MS/MSD	**Unspiked Conc mg/kg**	**MS Conc mg/kg**	**MSD Conc mg/kg**	**MS %Rec**	**MSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.484 / 0.486	N.D.	0.503	0.512	104	105	80-121	2	50
PCB-1260	0.487 / 0.490	1.28	1.54	1.46	55 *	37 *	84-125	6	50

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

Results are being reported on an as received basis.

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

SDG: ATE51
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS36142	Batch: **171420036A** (Sample number(s): 9001107-9001108)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.501	0.496	NA	99	NA	80-121	NA	NA
PCB-1260	0.504	0.517	NA	103	NA	84-125	NA	NA

LCS: LCS31143	Batch: **171430031A** (Sample number(s): 9001109-9001126)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.501	0.515	NA	103	NA	80-121	NA	NA
PCB-1260	0.504	0.513	NA	102	NA	84-125	NA	NA

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

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

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

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

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

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

Average % RSD: 3

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

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

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

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

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

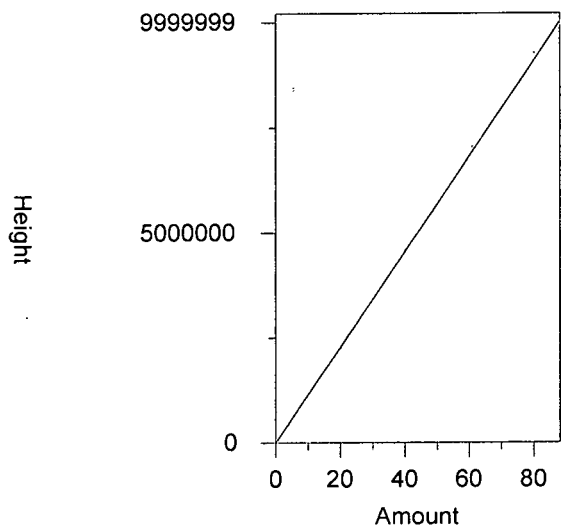
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



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

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

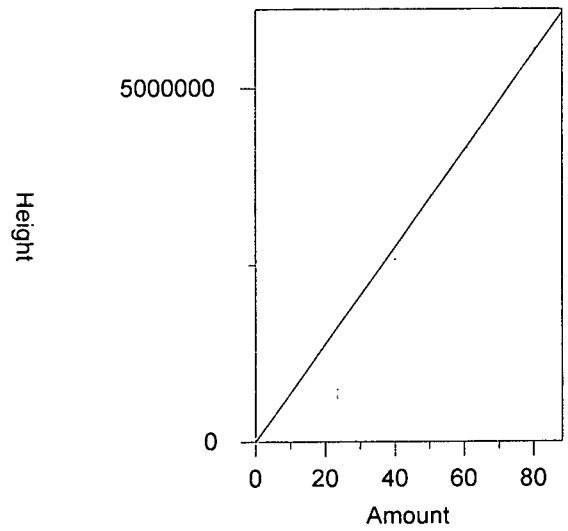
Single peak quantification by height

Y = 113640.5 X + 0

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

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

2 DCB



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

Single peak quantification by height

Y = 68816.38 X + 0

Average CF fit with equal weighting, forced to origin

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

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

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

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

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

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

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

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

Average % RSD: 3

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

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

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

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

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

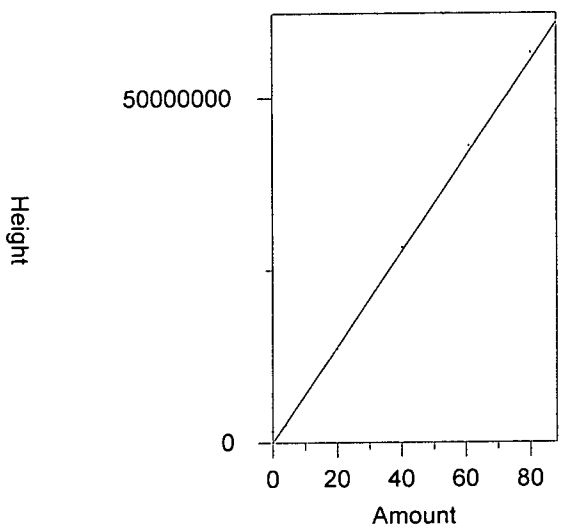
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



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

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

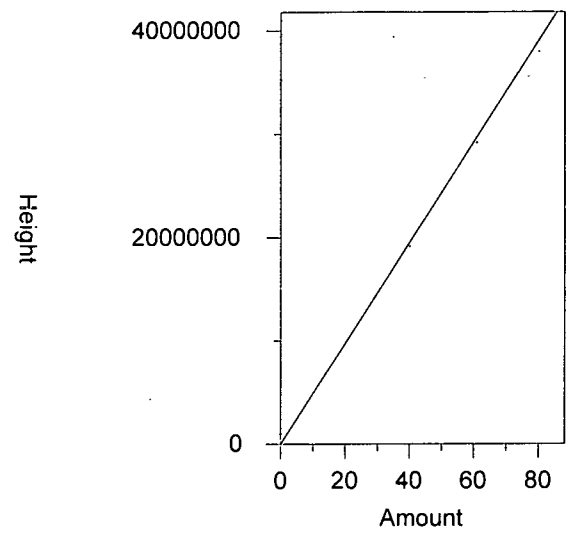
Single peak quantification by height

Y = 691308.8 X + 0

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

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

2 DCB



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

Single peak quantification by height

Y = 487178.5 X + 0

Average CF fit with equal weighting, forced to origin

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

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

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 20PCBS1713701

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

Compounds 14 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 20PCBS1713701B

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

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 20PCBS1713701

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

Compounds 8 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 20PCBS1713701B

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

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 20PCBS1713701

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

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 20PCBS1713701B

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

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 11:08

Lab File ID: 20PCBS17137006.090.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163EI Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	43.06	40.08	7
Decachlorobiphenyl	6.61	6.58	6.64	40.80	40.08	2
Aroclor-1016	3.18	3.16	3.20	207.44	200.04	4
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	205.14	200.20	2
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 11:08

Lab File ID: 20PCBS17137006B.090.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163EI Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	42.08	40.08	5
Decachlorobiphenyl	6.11	6.08	6.14	38.01	40.08	-5
Aroclor-1016	2.90	2.88	2.92	210.15	200.04	5
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	205.62	200.20	3
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKYC Sample ID: YC **Batchnumber: 1714299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 24, 2017 11:20:09
Instrument : CP20--17342A
Result file : 20PCBS17137006.091.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 114% (53-140) Conc.: 0.227236
%SSR(DCB) : 104% (45-143) Conc.: 0.209722

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	74.61	
3.16	3.19	3.20	2767.118	0.013486			1
3.37	3.40	3.41	1193.666	0.005697			2
3.49	3.52	3.53	691.0527	0.00293			3
3.71	3.74	3.75	978.5191	0.003744			4
Height Summation:			**5630.3558**				
Amount Avg CF:				**0.006464** Linear:			
Aroclor-1221					2	134.89	
3.11	3.12	3.15	36213.23	0.426166			2
3.16	3.19	3.20	2767.118	0.01008			3
Height Summation:			**38980.348**				
Amount Avg CF:				**0.218123** Linear:			
Aroclor-1232					4	27.79	
3.16	3.19	3.20	2767.118	0.011237			1
3.38	3.40	3.42	1193.666	0.012047			2
3.49	3.52	3.53	691.0527	0.006356			3
3.71	3.74	3.75	978.5191	0.008297			4
Height Summation:			**5630.3558**				
Amount Avg CF:				**0.009484** Linear:			
Aroclor-1242					4	71.70	
3.16	3.19	3.20	2767.118	0.015742			1
3.38	3.40	3.42	1193.666	0.006877			2
3.49	3.52	3.53	691.0527	0.003636			3
3.71	3.74	3.75	978.5191	0.004576			4
Height Summation:			**5630.3558**				
Amount Avg CF:				**0.007708** Linear:			
Aroclor-1248					3	46.09	
3.83	3.85	3.87	2356.49	0.011165			2
4.23	4.27	4.27	1931.858	0.007892			5
4.61	4.64	4.65	729.6337	0.004066			6
Height Summation:			**5017.9817**				
Amount Avg CF:				**0.007708** Linear:			
Aroclor-1254					3	59.62	
4.61	4.64	4.65	729.6337	0.001246			3
4.73	4.76	4.77	961.5969	0.005469			4
5.14	5.17	5.18	1659.175	0.004172			6
Height Summation:			**3350.4056**				
Amount Avg CF:				**0.003629** Linear:			
Aroclor-1260					4	81.10	
4.73	4.76	4.77	961.5969	0.002294			1
5.03	5.05	5.07	3734.419	0.016127			2
5.37	5.37	5.41	1691.994	0.005469			4
5.82	5.84	5.86	2435.402	0.005781			6
Height Summation:			**8823.4119**				
Amount Avg CF:				**0.007418** Linear:			
Aroclor-1262					3	71.61	
5.37	5.37	5.41	1691.994	0.004195			2
5.81	5.84	5.85	2435.402	0.004521			4
6.25	6.27	6.29	4404.534	0.013567			6
Height Summation:			**8531.93**				
Amount Avg CF:				**0.007428** Linear:			

Analysis Report (B)

Injected on : May 24, 2017 11:20:09
Instrument : CP20--17342B
Result file : 20PCBS17137006B.091.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 115% (53-140) Conc.: 0.229987
%SSR(DCB) : 102% (45-143) Conc.: 0.205044

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	80.12	
2.88	2.89	2.92	8895.406	0.007867			1
3.21	3.23	3.25	5221.193	0.003716			2
3.40	3.41	3.44	17030.23	0.012061			3
3.47	3.49	3.51	5060.36	0.00303			4
3.63	3.63	3.67	1356.87	0.000967			5
Height Summation:			**37564.059**				
Amount Avg CF:				**0.005528** Linear:			
Aroclor-1221					3	164.36	
2.77	2.78	2.81	8735.804	0.014639			1
+ 2.77	2.80	2.81	2999.701	0.005027			1
2.83	2.83	2.87	213220.6	0.579616			2
2.88	2.89	2.92	8895.406	0.005829			3
Height Summation:			**230851.81**				
Amount Avg CF:				**0.200028** Linear:			
Aroclor-1232					4	86.54	
2.88	2.89	2.92	8895.406	0.006439			1
3.21	3.23	3.25	5221.193	0.00782			2
3.40	3.41	3.44	17030.23	0.02851			3
3.47	3.49	3.51	5060.36	0.006895			4
Height Summation:			**36207.189**				
Amount Avg CF:				**0.012416** Linear:			
Aroclor-1242					4	63.02	
2.88	2.89	2.92	8895.406	0.009149			1
3.21	3.23	3.25	5221.193	0.004497			2
3.40	3.41	3.44	17030.23	0.014915			3
3.47	3.49	3.51	5060.36	0.003878			4
Height Summation:			**36207.189**				
Amount Avg CF:				**0.008109** Linear:			
Aroclor-1248					5	130.49	
3.40	3.41	3.44	17030.23	0.030581			1
+ 3.51	3.53	3.55	3308.493	0.002106			2
3.51	3.55	3.55	10796.68	0.006874			2
3.63	3.63	3.67	1356.87	0.000691			3
3.86	3.87	3.90	5258.772	0.001959			5
4.22	4.23	4.26	7822.584	0.006592			6
Height Summation:			**42265.136**				
Amount Avg CF:				**0.00934** Linear:			
Aroclor-1254					4	43.45	
4.22	4.23	4.26	7822.584	0.002109			2
4.31	4.33	4.35	7988.406	0.004629			3
4.44	4.46	4.48	7181.188	0.005001			5
4.60	4.62	4.64	3985.787	0.002278			6
Height Summation:			**26977.965**				
Amount Avg CF:				**0.003504** Linear:			
Aroclor-1260					6	21.22	
4.31	4.33	4.35	7988.406	0.002829			1
4.44	4.46	4.48	7181.188	0.002157			2
4.55	4.57	4.59	8754.033	0.003268			3
4.90	4.92	4.94	7606.943	0.003694			4
5.09	5.11	5.13	10678.87	0.002285			5
5.35	5.37	5.39	10635.71	0.003402			6
Height Summation:			**52845.15**				
Amount Avg CF:				**0.002939** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKYC Sample ID: YC **Batchnumber: 1714299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 24, 2017 11:20:09
Instrument : CP20--17342A
Result file : 20PCBS17137006.091.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**148.69**	
5.81	5.84	5.85	2435.402	0.002033			1
6.00	6.03	6.04	24957.18	0.025608			3
6.07	6.09	6.11	25188.76	0.112734			4
6.25	6.27	6.29	4404.534	0.010941			5
6.45	6.47	6.49	15420.54	0.004895			6

Height Summation: **72406.416**
Amount Avg CF: **0.031242** Linear:

Analysis Report (B)

Injected on : May 24, 2017 11:20:09
Instrument : CP20--17342B
Result file : 20PCBS17137006B.091.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**35.48**	
4.71	4.73	4.75	4370.362	0.001348			1
4.90	4.92	4.94	7606.943	0.002359			2
5.09	5.11	5.13	10678.87	0.001741			3
5.31	5.32	5.35	2312.205	0.00091			4
5.35	5.37	5.39	10635.71	0.0026			5
5.73	5.75	5.77	3657.92	0.001652			6

Height Summation: **39262.01**
Amount Avg CF: **0.001769** Linear:

Aroclor-1268					**6**	**192.43**	
5.31	5.32	5.35	2312.205	0.000279			1
5.35	5.37	5.39	10635.71	0.001269			2
5.51	5.53	5.55	171033.3	0.023758			3
5.57	5.60	5.61	238163.7	0.136834			4
5.73	5.75	5.77	3657.92	0.001297			5
5.93	5.95	5.97	106796.3	0.004982			6

Height Summation: **532599.135**
Amount Avg CF: **0.02807** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						15.61	4	40	
Aroclor-1221						8.65	3	5	
Aroclor-1232						26.77	4	10	
Aroclor-1242						5.08	4	30	
Aroclor-1248						19.14	4	40	
Aroclor-1254						3.49	4	40	
Aroclor-1260						** 86.48	4	40	
Aroclor-1262						** 123.07	4	40	
Aroclor-1268						10.70	4	40	

Units: ug/kg

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 15:21

Lab File ID: 20PCBS17137006.112.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163EJ Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	46.02	40.08	15
Decachlorobiphenyl	6.62	6.58	6.64	40.97	40.08	2
Aroclor-1016	3.18	3.16	3.20	216.48	200.04	8
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	209.14	200.20	4
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 15:21

Lab File ID: 20PCBS17137006B.112.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163EJ Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	46.97	40.08	17
Decachlorobiphenyl	6.11	6.08	6.14	41.63	40.08	4
Aroclor-1016	2.90	2.88	2.92	222.59	200.04	11
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	205.14	200.20	2
	4.47	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 9

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKYD Sample ID: YD **Batchnumber: 1714299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 24, 2017 15:32:53
Instrument : CP20--17342A
Result file : 20PCBS17137006.113.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 113% (53-140) Conc.: 0.226172
%SSR(DCB) : 99% (45-143) Conc.: 0.199309

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**92.28**	
3.16	3.19	3.20	3594.203	0.017517			1
3.37	3.40	3.41	1050.981	0.005016			2
3.71	3.73	3.75	1077.917	0.004124			4
3.76	3.79	3.80	614.2504	0.002874			5
Height Summation:			**6337.3514**				
Amount Avg CF:				**0.007383** Linear:			
Aroclor-1221					**2**	**132.60**	
3.11	3.12	3.15	34551.14	0.406606			2
3.16	3.19	3.20	3594.203	0.013093			3
Height Summation:			**38145.343**				
Amount Avg CF:				**0.209849** Linear:			
Aroclor-1232					**5**	**37.50**	
3.16	3.19	3.20	3594.203	0.014596			1
3.38	3.40	3.42	1050.981	0.010607			2
3.49	3.53	3.53	1921.826	0.017677			3
3.71	3.73	3.75	1077.917	0.00914			4
3.77	3.79	3.81	614.2504	0.006643			5
Height Summation:			**8259.1774**				
Amount Avg CF:				**0.011733** Linear:			
Aroclor-1242					**5**	**75.03**	
3.16	3.19	3.20	3594.203	0.020447			1
3.38	3.40	3.42	1050.981	0.006055			2
3.49	3.53	3.53	1921.826	0.010111			3
3.71	3.73	3.75	1077.917	0.005041			4
3.77	3.79	3.81	614.2504	0.003669			5
Height Summation:			**8259.1774**				
Amount Avg CF:				**0.009065** Linear:			
Aroclor-1248					**3**	**48.49**	
3.76	3.79	3.80	614.2504	0.005293			1
3.83	3.85	3.87	2137.111	0.010126			2
4.05	4.07	4.09	860.966	0.004167			4
Height Summation:			**3612.3274**				
Amount Avg CF:				**0.006528** Linear:			
Aroclor-1254					**3**	**44.71**	
4.55	4.57	4.59	1972.059	0.006799			2
4.73	4.76	4.77	652.3	0.00371			4
4.83	4.85	4.87	1166.207	0.003013			5
Height Summation:			**3790.566**				
Amount Avg CF:				**0.004507** Linear:			
Aroclor-1260					**5**	**53.37**	
4.73	4.76	4.77	652.3	0.001556			1
5.03	5.04	5.07	1571.137	0.006785			2
5.20	5.21	5.24	2366.535	0.008728			3
5.37	5.39	5.41	1042.857	0.003371			4
5.82	5.84	5.86	2833.808	0.006726			6
Height Summation:			**8466.637**				
Amount Avg CF:				**0.005433** Linear:			

Analysis Report (B)

Injected on : May 24, 2017 15:32:53
Instrument : CP20--17342B
Result file : 20PCBS17137006B.113.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 114% (53-140) Conc.: 0.227674
%SSR(DCB) : 100% (45-143) Conc.: 0.201597

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**56.33**	
2.88	2.88	2.92	5728.764	0.005066			1
3.21	3.23	3.25	3241.265	0.002307			2
3.40	3.41	3.44	11270.06	0.007982			3
3.47	3.49	3.51	3897.855	0.002334			4
3.72	3.72	3.76	4145.402	0.003448			6
Height Summation:			**28283.346**				
Amount Avg CF:				**0.004227** Linear:			
Aroclor-1221					**3**	**164.89**	
2.77	2.78	2.81	9043.433	0.015154			1
2.83	2.83	2.87	209808.6	0.57034			2
2.88	2.88	2.92	5728.764	0.003754			3
Height Summation:			**224580.797**				
Amount Avg CF:				**0.196416** Linear:			
Aroclor-1232					**4**	**85.16**	
2.88	2.88	2.92	5728.764	0.004147			1
3.21	3.23	3.25	3241.265	0.004855			2
3.40	3.41	3.44	11270.06	0.018867			3
3.47	3.49	3.51	3897.855	0.005311			4
Height Summation:			**24137.944**				
Amount Avg CF:				**0.008295** Linear:			
Aroclor-1242					**4**	**61.45**	
2.88	2.88	2.92	5728.764	0.005892			1
3.21	3.23	3.25	3241.265	0.002791			2
3.40	3.41	3.44	11270.06	0.00987			3
3.47	3.49	3.51	3897.855	0.002987			4
Height Summation:			**24137.944**				
Amount Avg CF:				**0.005385** Linear:			
Aroclor-1248					**4**	**91.86**	
3.40	3.41	3.44	11270.06	0.020237			1
3.51	3.52	3.55	5707.582	0.003634			2
+ 3.51	3.54	3.55	5209.219	0.003317			2
3.72	3.72	3.76	4145.402	0.002926			4
4.22	4.23	4.26	9593.466	0.008085			6
Height Summation:			**30716.51**				
Amount Avg CF:				**0.00872** Linear:			
Aroclor-1254					**3**	**39.88**	
4.22	4.23	4.26	9593.466	0.002586			2
4.31	4.33	4.35	8045.772	0.004663			3
4.60	4.62	4.64	10713.22	0.006124			6
Height Summation:			**28352.458**				
Amount Avg CF:				**0.004458** Linear:			
Aroclor-1260					**5**	**39.79**	
4.31	4.33	4.35	8045.772	0.00285			1
4.55	4.56	4.59	11306.1	0.004221			3
4.90	4.92	4.94	9328.195	0.00453			4
5.09	5.11	5.13	5905.408	0.001264			5
5.35	5.37	5.39	10681.59	0.003417			6
Height Summation:			**45267.065**				
Amount Avg CF:				**0.003256** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKYD Sample ID: YD **Batchnumber: 1714299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 24, 2017 15:32:53
Instrument : CP20--17342A
Result file : 20PCBS17137006.113.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**47.07**	
5.21	5.21	5.24	2366.535	0.00474			1
5.37	5.39	5.41	1042.857	0.002586			2
5.81	5.84	5.85	2833.808	0.00526			4
6.25	6.28	6.29	566.0846	0.001744			6
Height Summation:			**6809.2846**				
Amount Avg CF:			**0.003583**	Linear:			
Aroclor-1268					**5**	**165.04**	
5.81	5.84	5.85	2833.808	0.002366			1
6.00	6.02	6.04	33705.2	0.034584			3
6.07	6.09	6.11	34297.88	0.153503			4
6.25	6.28	6.29	566.0846	0.001406			5
6.45	6.47	6.49	17752.58	0.005635			6
Height Summation:			**89155.5526**				
Amount Avg CF:			**0.039499**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 15:32:53
Instrument : CP20--17342B
Result file : 20PCBS17137006B.113.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**42.64**	
4.71	4.74	4.75	8103.288	0.0025			1
4.90	4.92	4.94	9328.195	0.002893			2
5.09	5.11	5.13	5905.408	0.000963			3
5.31	5.32	5.35	3914.815	0.001541			4
5.35	5.37	5.39	10681.59	0.002611			5
5.73	5.75	5.77	2524.501	0.00114			6
Height Summation:			**40457.797**				
Amount Avg CF:			**0.001941**	Linear:			
Aroclor-1268					**6**	**187.08**	
5.31	5.32	5.35	3914.815	0.000473			1
5.35	5.37	5.39	10681.59	0.001275			2
5.51	5.53	5.55	233508.2	0.032437			3
5.57	5.59	5.61	265046.4	0.15228			4
5.73	5.75	5.77	2524.501	0.000895			5
5.93	5.95	5.97	117515.2	0.005482			6
Height Summation:			**633190.706**				
Amount Avg CF:			**0.03214**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 54.35	4	40	
Aroclor-1221						6.61	3	5	
Aroclor-1232						34.33	4	10	
Aroclor-1242						** 50.93	4	30	
Aroclor-1248						28.75	4	40	
Aroclor-1254						1.11	4	40	
Aroclor-1260						** 50.11	4	40	
Aroclor-1262						** 59.42	4	40	
Aroclor-1268						20.54	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 18:47

Lab File ID: 20PCBS17137006.130.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163EK Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	42.04	40.08	5
Decachlorobiphenyl	6.61	6.58	6.64	41.21	40.08	3
Aroclor-1016	3.18	3.16	3.20	202.69	200.04	1
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	203.51	200.20	2
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 18:47

Lab File ID: 20PCBS17137006B.130.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163EK Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	42.36	40.08	6
Decachlorobiphenyl	6.11	6.08	6.14	40.37	40.08	1
Aroclor-1016	2.90	2.88	2.92	206.26	200.04	3
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	202.18	200.20	1
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKYE Sample ID: YE **Batchnumber: 1714299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 24, 2017 18:58:39
Instrument : CP20--17342A
Result file : 20PCBS17137006.131.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 105% (53-140) Conc.: 0.209989
%SSR(DCB) : 106% (45-143) Conc.: 0.212556

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	13.77	
3.16	3.19	3.20	1793.913	0.008743			1
3.37	3.39	3.41	1506.739	0.007191			2
Height Summation:			3300.652				
Amount Avg CF:			0.007967	Linear:			
Aroclor-1221					3	163.15	
3.06	3.07	3.10	956.7894	0.009734			1
3.11	3.12	3.15	34330.91	0.404014			2
3.16	3.19	3.20	1793.913	0.006535			3
Height Summation:			37081.6124				
Amount Avg CF:			0.140094	Linear:			
Aroclor-1232					3	39.98	
3.16	3.19	3.20	1793.913	0.007285			1
3.38	3.39	3.42	1506.739	0.015207			2
3.71	3.75	3.75	2050.083	0.017382			4
Height Summation:			5350.735				
Amount Avg CF:			0.013291	Linear:			
Aroclor-1242					2	11.42	
3.16	3.19	3.20	1793.913	0.010205			1
3.38	3.39	3.42	1506.739	0.00868			2
Height Summation:			3300.652				
Amount Avg CF:			0.009443	Linear:			
Aroclor-1248					3	32.02	
3.83	3.85	3.87	1322.288	0.006265			2
4.05	4.06	4.09	725.9037	0.003513			4
4.23	4.26	4.27	1669.949	0.006822			5
Height Summation:			3718.1407				
Amount Avg CF:			0.005533	Linear:			
Aroclor-1260					3	53.23	
5.03	5.04	5.07	1851.675	0.007996			2
5.37	5.39	5.41	829.2162	0.00268			4
5.82	5.84	5.86	1909.127	0.004532			6
Height Summation:			4590.0182				
Amount Avg CF:			0.005069	Linear:			
Aroclor-1262					3	26.37	
5.37	5.39	5.41	829.2162	0.002056			2
5.81	5.84	5.85	1909.127	0.003544			4
6.25	6.28	6.29	935.4537	0.002881			6
Height Summation:			3673.7969				
Amount Avg CF:			0.002827	Linear:			
Aroclor-1268					5	156.55	
5.81	5.84	5.85	1909.127	0.001594			1
6.00	6.02	6.04	15487.82	0.015892			3
6.07	6.09	6.11	16530.23	0.073982			4
6.25	6.28	6.29	935.4537	0.002324			5
6.45	6.47	6.49	15165.1	0.004814			6
Height Summation:			50027.7307				
Amount Avg CF:			0.019721	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 18:58:39
Instrument : CP20--17342B
Result file : 20PCBS17137006B.131.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 104% (53-140) Conc.: 0.2079
%SSR(DCB) : 96% (45-143) Conc.: 0.193995

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	58.39	
2.88	2.88	2.92	7517.878	0.006649			1
3.21	3.22	3.25	4502.504	0.003204			2
3.40	3.41	3.44	17125.03	0.012128			3
+ 3.40	3.44	3.44	12390.37	0.008775			3
3.47	3.49	3.51	4970.947	0.002977			4
3.63	3.65	3.67	9502.37	0.006773			5
Height Summation:			43618.729				
Amount Avg CF:			0.006346	Linear:			
Aroclor-1221					3	163.90	
2.77	2.78	2.81	8736.895	0.014641			1
+ 2.77	2.80	2.81	2274.02	0.003811			1
2.83	2.83	2.87	193284	0.52542			2
2.88	2.88	2.92	7517.878	0.004926			3
Height Summation:			209538.773				
Amount Avg CF:			0.181662	Linear:			
Aroclor-1232					4	93.99	
2.88	2.88	2.92	7517.878	0.005442			1
3.21	3.22	3.25	4502.504	0.006744			2
3.40	3.41	3.44	17125.03	0.028669			3
+ 3.40	3.44	3.44	12390.37	0.020743			3
3.47	3.49	3.51	4970.947	0.006774			4
Height Summation:			34116.359				
Amount Avg CF:			0.011907	Linear:			
Aroclor-1242					5	58.43	
2.88	2.88	2.92	7517.878	0.007732			1
3.21	3.22	3.25	4502.504	0.003878			2
3.40	3.41	3.44	17125.03	0.014998			3
+ 3.40	3.44	3.44	12390.37	0.010851			3
3.47	3.49	3.51	4970.947	0.003809			4
3.64	3.65	3.68	9502.37	0.008844			5
Height Summation:			43618.729				
Amount Avg CF:			0.007852	Linear:			
Aroclor-1248					5	121.09	
3.40	3.41	3.44	17125.03	0.030751			1
+ 3.40	3.44	3.44	12390.37	0.022249			1
+ 3.51	3.52	3.55	3602.884	0.002294			2
3.51	3.54	3.55	10641.84	0.006775			2
3.63	3.65	3.67	9502.37	0.004842			3
3.86	3.87	3.90	4446.632	0.001657			5
4.22	4.23	4.26	5865.313	0.004943			6
Height Summation:			47581.185				
Amount Avg CF:			0.009794	Linear:			
Aroclor-1254					4	30.16	
4.16	4.19	4.19	6289.342	0.003008			1
4.22	4.23	4.26	5865.313	0.001581			2
4.31	4.33	4.35	5020.754	0.00291			3
4.44	4.47	4.48	5078.699	0.003537			5
Height Summation:			22254.108				
Amount Avg CF:			0.002759	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKYE Sample ID: YE **Batchnumber: 1714299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 24, 2017 18:58:39
Instrument : CP20--17342A
Result file : 20PCBS17137006.131.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 24, 2017 18:58:39
Instrument : CP20--17342B
Result file : 20PCBS17137006B.131.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**30.01**	
4.31	4.33	4.35	5020.754	0.001778			1
4.44	4.47	4.48	5078.699	0.001525			2
4.55	4.57	4.59	2271.307	0.000848			3
4.90	4.91	4.94	4934.315	0.002396			4
5.09	5.11	5.13	7779.729	0.001665			5
5.35	5.37	5.39	5720.105	0.00183			6
Height Summation:			**30804.909**				
Amount Avg CF:			**0.001674**	Linear:			
Aroclor-1262					**4**	**13.28**	
4.90	4.91	4.94	4934.315	0.00153			2
5.09	5.11	5.13	7779.729	0.001269			3
5.35	5.37	5.39	5720.105	0.001398			5
5.73	5.75	5.77	2475.703	0.001118			6
Height Summation:			**20909.852**				
Amount Avg CF:			**0.001329**	Linear:			
Aroclor-1268					**5**	**161.71**	
5.35	5.37	5.39	5720.105	0.000683			2
5.51	5.53	5.55	107168.8	0.014887			3
5.57	5.59	5.61	119135.3	0.068448			4
5.73	5.75	5.77	2475.703	0.000878			5
5.93	5.95	5.97	93549.77	0.004364			6
Height Summation:			**328049.678**				
Amount Avg CF:			**0.017852**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						22.65	4	40	
Aroclor-1221						25.84	3	5	
Aroclor-1232						10.99	4	10	
Aroclor-1242						18.40	4	30	
Aroclor-1248						** 55.59	4	40	
Aroclor-1254							4	40	
Aroclor-1260						** 100.71	4	40	
Aroclor-1262						** 72.10	4	40	
Aroclor-1268						9.95	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 6:06

Lab File ID: 20PCBS17137007.054.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163EP Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	45.67	40.08	14
Decachlorobiphenyl	6.61	6.58	6.64	37.63	40.08	-6
Aroclor-1016	3.18	3.16	3.20	211.96	200.04	6
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	203.73	200.20	2
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 6:06

Lab File ID: 20PCBS17137007B.054.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163EP Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	45.82	40.08	14
Decachlorobiphenyl	6.11	6.08	6.14	40.31	40.08	1
Aroclor-1016	2.90	2.88	2.92	220.32	200.04	10
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	202.77	200.20	1
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.91	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 7

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

Injected on : May 25, 2017 06:18:24
Instrument : CP20--17342A
Result file : 20PCBS17137007.055.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**86.40**	
3.16	3.19	3.20	2827.839	0.013782			1
3.37	3.39	3.41	973.8298	0.004648			2
3.49	3.49	3.53	875.2236	0.00371			3
3.71	3.73	3.75	559.2027	0.00214			4
Height Summation:			**5236.0951**				
Amount Avg CF:			**0.00607**	Linear:			
Aroclor-1221					**3**	**160.43**	
3.06	3.07	3.10	1061.398	0.010798			1
3.11	3.12	3.15	34656.19	0.407842			2
3.16	3.19	3.20	2827.839	0.010301			3
Height Summation:			**38545.427**				
Amount Avg CF:			**0.142981**	Linear:			
Aroclor-1232					**3**	**40.46**	
3.16	3.19	3.20	2827.839	0.011484			1
3.38	3.39	3.42	973.8298	0.009828			2
3.71	3.73	3.75	559.2027	0.004741			4
Height Summation:			**4360.8715**				
Amount Avg CF:			**0.008685**	Linear:			
Aroclor-1242					**3**	**87.28**	
3.16	3.19	3.20	2827.839	0.016087			1
3.38	3.39	3.42	973.8298	0.00561			2
3.71	3.73	3.75	559.2027	0.002615			4
Height Summation:			**4360.8715**				
Amount Avg CF:			**0.008104**	Linear:			
Aroclor-1248					**2**	**31.94**	
3.83	3.85	3.87	1591.281	0.007539			2
4.05	4.06	4.09	983.8023	0.004761			4
Height Summation:			**2575.0833**				
Amount Avg CF:			**0.00615**	Linear:			
Aroclor-1254					**1**		
4.55	4.57	4.59	1556.321	0.005366			2
Height Summation:			**1556.321**				
Amount Avg CF:			**0.005366**	Linear:			
Aroclor-1260					**3**	**68.72**	
5.20	5.21	5.24	2075.521	0.007655			3
5.37	5.37	5.41	588.4606	0.001902			4
5.82	5.84	5.86	1450.522	0.003443			6
Height Summation:			**4114.5036**				
Amount Avg CF:			**0.004333**	Linear:			
Aroclor-1262					**2**	**30.24**	
5.21	5.21	5.24	2075.521	0.004158			1
5.81	5.84	5.85	1450.522	0.002693			4
Height Summation:			**3526.043**				
Amount Avg CF:			**0.003425**	Linear:			
Aroclor-1268					**4**	**144.31**	
5.81	5.84	5.85	1450.522	0.001211			1
6.00	6.02	6.04	25497.99	0.026163			3
6.07	6.09	6.11	26088.06	0.116759			4
6.45	6.47	6.49	17474.82	0.005547			6
Height Summation:			**70511.392**				
Amount Avg CF:			**0.03742**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 06:18:24
Instrument : CP20--17342B
Result file : 20PCBS17137007B.055.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**57.03**	
2.88	2.91	2.92	6267.444	0.005543			1
3.40	3.41	3.44	10993.77	0.007786			3
3.47	3.50	3.51	3346.843	0.002004			4
Height Summation:			**20608.057**				
Amount Avg CF:			**0.005111**	Linear:			
Aroclor-1221					**3**	**165.36**	
2.77	2.78	2.81	7848.993	0.013153			1
+ 2.77	2.80	2.81	3175.414	0.005321			1
2.83	2.83	2.87	203398.4	0.552915			2
2.88	2.91	2.92	6267.444	0.004107			3
Height Summation:			**217514.837**				
Amount Avg CF:			**0.190058**	Linear:			
Aroclor-1232					**3**	**87.26**	
2.88	2.91	2.92	6267.444	0.004537			1
3.40	3.41	3.44	10993.77	0.018405			3
3.47	3.50	3.51	3346.843	0.004561			4
Height Summation:			**20608.057**				
Amount Avg CF:			**0.009167**	Linear:			
Aroclor-1242					**3**	**56.94**	
2.88	2.91	2.92	6267.444	0.006446			1
3.40	3.41	3.44	10993.77	0.009628			3
3.47	3.50	3.51	3346.843	0.002565			4
Height Summation:			**20608.057**				
Amount Avg CF:			**0.006213**	Linear:			
Aroclor-1248					**4**	**116.91**	
3.40	3.41	3.44	10993.77	0.019741			1
3.51	3.54	3.55	3961.695	0.002522			2
3.86	3.86	3.90	1426.439	0.000531			5
4.22	4.24	4.26	8009.204	0.00675			6
Height Summation:			**24391.108**				
Amount Avg CF:			**0.007386**	Linear:			
Aroclor-1254					**3**	**19.95**	
4.22	4.24	4.26	8009.204	0.002159			2
4.31	4.33	4.35	4302.536	0.002493			3
4.60	4.62	4.64	5564.542	0.003181			6
Height Summation:			**17876.282**				
Amount Avg CF:			**0.002611**	Linear:			
Aroclor-1260					**4**	**22.27**	
4.31	4.33	4.35	4302.536	0.001524			1
4.55	4.57	4.59	4907.163	0.001832			3
4.90	4.92	4.94	5265.606	0.002557			4
5.35	5.37	5.39	7013.219	0.002243			6
Height Summation:			**21488.524**				
Amount Avg CF:			**0.002039**	Linear:			
Aroclor-1262					**4**	**26.30**	
4.71	4.74	4.75	3726.279	0.00115			1
4.90	4.92	4.94	5265.606	0.001633			2
5.31	5.33	5.35	2489.195	0.00098			4
5.35	5.37	5.39	7013.219	0.001715			5
Height Summation:			**18494.299**				
Amount Avg CF:			**0.001369**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

Injected on : May 25, 2017 06:18:24
Instrument : CP20--17342A
Result file : 20PCBS17137007.055.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 25, 2017 06:18:24
Instrument : CP20--17342B
Result file : 20PCBS17137007B.055.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**169.13**	
5.31	5.33	5.35	2489.195	0.000301			1
5.35	5.37	5.39	7013.219	0.000837			2
5.51	5.53	5.55	187926.7	0.026105			3
5.57	5.59	5.61	217551.4	0.124992			4
5.93	5.95	5.97	114905.9	0.00536			6

Height Summation: **529886.414**
Amount Avg CF: **0.031519** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						17.15	4	40	
Aroclor-1221						28.27	3	5	
Aroclor-1232						5.41	4	10	
Aroclor-1242						26.42	4	30	
Aroclor-1248						18.26	4	40	
Aroclor-1254						** 69.07	4	40	
Aroclor-1260						** 72.00	4	40	
Aroclor-1262						** 85.76	4	40	
Aroclor-1268						17.12	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 7:38

Lab File ID: 20PCBS17137007.062.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163EQ Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	45.49	40.08	13
Decachlorobiphenyl	6.61	6.58	6.64	38.65	40.08	-4
Aroclor-1016	3.18	3.16	3.20	215.31	200.04	8
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	207.23	200.20	4
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 7:38

Lab File ID: 20PCBS17137007B.062.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163EQ Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	44.29	40.08	11
Decachlorobiphenyl	6.11	6.08	6.14	40.74	40.08	2
Aroclor-1016	2.90	2.88	2.92	222.06	200.04	11
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	209.51	200.20	5
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 7

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

Injected on : May 25, 2017 07:49:58
Instrument : CP20--17342A
Result file : 20PCBS17137007.063.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**98.17**	
3.16	3.19	3.20	3923.21	0.01912			1
3.37	3.39	3.41	983.4564	0.004694			2
3.71	3.73	3.75	996.6467	0.003814			4
3.96	3.98	4.00	574.7344	0.003353			6
Height Summation:			**6478.0475**				
Amount Avg CF:			**0.007745**	Linear:			
Aroclor-1221					**2**	**131.89**	
3.11	3.12	3.15	34817.74	0.409743			2
3.16	3.19	3.20	3923.21	0.014291			3
Height Summation:			**38740.95**				
Amount Avg CF:			**0.212017**	Linear:			
Aroclor-1232					**5**	**40.41**	
3.16	3.19	3.20	3923.21	0.015932			1
3.38	3.39	3.42	983.4564	0.009925			2
3.49	3.53	3.53	2083.242	0.019161			3
3.71	3.73	3.75	996.6467	0.00845			4
3.96	3.98	4.00	574.7344	0.008041			6
Height Summation:			**8561.2895**				
Amount Avg CF:			**0.012302**	Linear:			
Aroclor-1242					**5**	**79.76**	
3.16	3.19	3.20	3923.21	0.022319			1
3.38	3.39	3.42	983.4564	0.005666			2
3.49	3.53	3.53	2083.242	0.010961			3
3.71	3.73	3.75	996.6467	0.004661			4
3.96	3.98	4.00	574.7344	0.0042			6
Height Summation:			**8561.2895**				
Amount Avg CF:			**0.009561**	Linear:			
Aroclor-1248					**3**	**68.21**	
3.83	3.85	3.87	2090.365	0.009904			2
3.96	3.98	4.00	574.7344	0.002312			3
4.05	4.06	4.09	992.7079	0.004804			4
Height Summation:			**3657.8073**				
Amount Avg CF:			**0.005674**	Linear:			
Aroclor-1254					**1**		
4.55	4.57	4.59	1931.516	0.00666			2
Height Summation:			**1931.516**				
Amount Avg CF:			**0.00666**	Linear:			
Aroclor-1260					**4**	**57.11**	
5.03	5.04	5.07	850.7617	0.003674			2
5.20	5.21	5.24	2492.647	0.009193			3
5.37	5.38	5.41	691.1815	0.002234			4
5.82	5.84	5.86	2819.61	0.006693			6
Height Summation:			**6854.2002**				
Amount Avg CF:			**0.005449**	Linear:			
Aroclor-1262					**4**	**39.95**	
5.21	5.21	5.24	2492.647	0.004993			1
5.37	5.38	5.41	691.1815	0.001714			2
5.81	5.84	5.85	2819.61	0.005234			4
5.87	5.87	5.91	1110.702	0.004162			5
Height Summation:			**7114.1405**				
Amount Avg CF:			**0.004026**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 07:49:58
Instrument : CP20--17342B
Result file : 20PCBS17137007B.063.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**46.93**	
2.88	2.88	2.92	5588.004	0.004942			1
3.21	3.23	3.25	3163.281	0.002251			2
3.40	3.41	3.44	9958.572	0.007053			3
3.47	3.49	3.51	4975.262	0.00298			4
3.72	3.72	3.76	3926.393	0.003266			6
Height Summation:			**27611.512**				
Amount Avg CF:			**0.004098**	Linear:			
Aroclor-1221					**3**	**166.56**	
2.77	2.78	2.81	7012.756	0.011751			1
2.83	2.83	2.87	215675.8	0.58629			2
2.88	2.88	2.92	5588.004	0.003662			3
Height Summation:			**228276.56**				
Amount Avg CF:			**0.200568**	Linear:			
Aroclor-1232					**4**	**72.70**	
2.88	2.88	2.92	5588.004	0.004045			1
3.21	3.23	3.25	3163.281	0.004738			2
3.40	3.41	3.44	9958.572	0.016672			3
3.47	3.49	3.51	4975.262	0.006779			4
Height Summation:			**23685.119**				
Amount Avg CF:			**0.008058**	Linear:			
Aroclor-1242					**4**	**50.07**	
2.88	2.88	2.92	5588.004	0.005747			1
3.21	3.23	3.25	3163.281	0.002724			2
3.40	3.41	3.44	9958.572	0.008721			3
3.47	3.49	3.51	4975.262	0.003812			4
Height Summation:			**23685.119**				
Amount Avg CF:			**0.005251**	Linear:			
Aroclor-1248					**5**	**109.18**	
3.40	3.41	3.44	9958.572	0.017882			1
3.51	3.52	3.55	5549.006	0.003533			2
3.72	3.72	3.76	3926.393	0.002771			4
+ 3.86	3.86	3.90	1654.277	0.000616			5
3.86	3.88	3.90	4581.2	0.001707			5
4.22	4.23	4.26	5515.952	0.004648			6
Height Summation:			**29531.123**				
Amount Avg CF:			**0.006108**	Linear:			
Aroclor-1254					**3**	**54.39**	
4.22	4.23	4.26	5515.952	0.001487			2
4.31	4.33	4.35	8978.572	0.005203			3
4.60	4.62	4.64	9270.617	0.005299			6
Height Summation:			**23765.141**				
Amount Avg CF:			**0.003997**	Linear:			
Aroclor-1260					**5**	**29.58**	
4.31	4.33	4.35	8978.572	0.00318			1
4.55	4.56	4.59	11402.06	0.004256			3
4.90	4.91	4.94	9589.994	0.004657			4
5.09	5.11	5.13	9569.054	0.002048			5
5.35	5.37	5.39	14071.17	0.004501			6
Height Summation:			**53610.85**				
Amount Avg CF:			**0.003729**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

Injected on : May 25, 2017 07:49:58
Instrument : CP20--17342A
Result file : 20PCBS17137007.063.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**164.44**	
5.81	5.84	5.85	2819.61	0.002354			1
5.87	5.87	5.91	1110.702	0.001063			2
6.00	6.02	6.04	31923.65	0.032756			3
6.07	6.09	6.11	32446.92	0.145219			4
6.45	6.47	6.49	18726.46	0.005944			6

Height Summation: **87027.342**
Amount Avg CF: **0.037467** Linear:

Analysis Report (B)

Injected on : May 25, 2017 07:49:58
Instrument : CP20--17342B
Result file : 20PCBS17137007B.063.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**5**	**39.43**	
4.71	4.74	4.75	5192.342	0.001602			1
4.90	4.91	4.94	9589.994	0.002974			2
5.09	5.11	5.13	9569.054	0.00156			3
5.31	5.33	5.35	4284.434	0.001686			4
5.35	5.37	5.39	14071.17	0.00344			5

Height Summation: **42706.994**
Amount Avg CF: **0.002253** Linear:

Aroclor-1268					**5**	**171.55**	
5.31	5.33	5.35	4284.434	0.000518			1
5.35	5.37	5.39	14071.17	0.001679			2
5.51	5.52	5.55	224535.6	0.03119			3
5.57	5.59	5.61	279221.7	0.160424			4
5.93	5.95	5.97	125557.9	0.005857			6

Height Summation: **647670.804**
Amount Avg CF: **0.039934** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 61.59	4	40	
Aroclor-1221						5.55	3	5	
Aroclor-1232						** 41.68	4	10	
Aroclor-1242						** 58.19	4	30	
Aroclor-1248						7.38	4	40	
Aroclor-1254						** 49.98	4	40	
Aroclor-1260						37.48	4	40	
Aroclor-1262						** 56.49	4	40	
Aroclor-1268						6.37	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 11:50

Lab File ID: 20PCBS17137007.084.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163ER Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	45.81	40.08	14
Decachlorobiphenyl	6.61	6.58	6.64	38.71	40.08	-3
Aroclor-1016	3.18	3.16	3.20	217.42	200.04	9
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	207.40	200.20	4
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 8

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 11:50

Lab File ID: 20PCBS17137007B.084.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163ER Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.61	2.59	2.65	46.55	40.08	16
Decachlorobiphenyl	6.11	6.08	6.14	36.69	40.08	-8
Aroclor-1016	2.90	2.88	2.92	222.02	200.04	11
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	209.47	200.20	5
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

Injected on : May 25, 2017 12:01:49
Instrument : CP20--17342A
Result file : 20PCBS17137007.085.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**66.00**	
3.16	3.19	3.20	4099.431	0.019979			1
3.49	3.53	3.53	2638.113	0.011184			3
3.71	3.73	3.75	1145.228	0.004382			4
Height Summation:			**7882.772**				
Amount Avg CF:			**0.011848**	Linear:			
Aroclor-1221					**2**	**131.56**	
3.11	3.12	3.15	35114.27	0.413233			2
3.16	3.19	3.20	4099.431	0.014933			3
Height Summation:			**39213.701**				
Amount Avg CF:			**0.214083**	Linear:			
Aroclor-1232					**4**	**39.06**	
3.16	3.19	3.20	4099.431	0.016648			1
3.49	3.53	3.53	2638.113	0.024265			3
3.71	3.73	3.75	1145.228	0.00971			4
3.96	4.00	4.00	940.1754	0.013154			6
Height Summation:			**8822.9474**				
Amount Avg CF:			**0.015944**	Linear:			
Aroclor-1242					**3**	**63.35**	
3.16	3.19	3.20	4099.431	0.023321			1
3.49	3.53	3.53	2638.113	0.01388			3
3.71	3.73	3.75	1145.228	0.005356			4
Height Summation:			**7882.772**				
Amount Avg CF:			**0.014186**	Linear:			
Aroclor-1248					**3**	**66.79**	
3.83	3.85	3.87	2724.982	0.012911			2
4.05	4.06	4.09	987.9258	0.004781			4
4.61	4.63	4.65	752.3539	0.004193			6
Height Summation:			**4465.2617**				
Amount Avg CF:			**0.007295**	Linear:			
Aroclor-1254					**3**	**41.15**	
4.61	4.63	4.65	752.3539	0.001284			3
4.83	4.85	4.87	1226.666	0.003169			5
5.14	5.16	5.18	1075.904	0.002706			6
Height Summation:			**3054.9239**				
Amount Avg CF:			**0.002386**	Linear:			
Aroclor-1260					**4**	**35.81**	
5.03	5.04	5.07	1769.935	0.007643			2
5.20	5.20	5.24	2664.905	0.009828			3
5.37	5.39	5.41	1233.865	0.003988			4
5.82	5.83	5.86	2567.715	0.006095			6
Height Summation:			**8236.42**				
Amount Avg CF:			**0.006889**	Linear:			
Aroclor-1262					**2**	**30.85**	
5.37	5.39	5.41	1233.865	0.003059			2
5.81	5.83	5.85	2567.715	0.004767			4
Height Summation:			**3801.58**				
Amount Avg CF:			**0.003913**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 12:01:49
Instrument : CP20--17342B
Result file : 20PCBS17137007B.085.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**62.59**	
2.88	2.88	2.92	6747.308	0.005967			1
3.21	3.23	3.25	3968.068	0.002824			2
3.40	3.41	3.44	17086.35	0.012101			3
3.47	3.49	3.51	4573.957	0.002739			4
3.63	3.65	3.67	9862.904	0.00703			5
Height Summation:			**42238.587**				
Amount Avg CF:			**0.006132**	Linear:			
Aroclor-1221					**3**	**165.99**	
2.77	2.78	2.81	7300.124	0.012233			1
+ 2.77	2.80	2.81	2753.288	0.004614			1
2.83	2.83	2.87	214256.8	0.582432			2
2.88	2.88	2.92	6747.308	0.004421			3
Height Summation:			**228304.232**				
Amount Avg CF:			**0.199696**	Linear:			
Aroclor-1232					**4**	**100.50**	
2.88	2.88	2.92	6747.308	0.004884			1
3.21	3.23	3.25	3968.068	0.005943			2
3.40	3.41	3.44	17086.35	0.028604			3
3.47	3.49	3.51	4573.957	0.006233			4
Height Summation:			**32375.683**				
Amount Avg CF:			**0.011416**	Linear:			
Aroclor-1242					**5**	**62.90**	
2.88	2.88	2.92	6747.308	0.00694			1
3.21	3.23	3.25	3968.068	0.003417			2
3.40	3.41	3.44	17086.35	0.014964			3
3.47	3.49	3.51	4573.957	0.003505			4
3.64	3.65	3.68	9862.904	0.009179			5
Height Summation:			**42238.587**				
Amount Avg CF:			**0.007601**	Linear:			
Aroclor-1248					**5**	**117.08**	
3.40	3.41	3.44	17086.35	0.030682			1
+ 3.51	3.53	3.55	3472.328	0.002211			2
3.51	3.54	3.55	7068.397	0.0045			2
3.63	3.65	3.67	9862.904	0.005026			3
3.86	3.86	3.90	1889.598	0.000704			5
4.22	4.23	4.26	11892.74	0.010022			6
Height Summation:			**47799.989**				
Amount Avg CF:			**0.010187**	Linear:			
Aroclor-1254					**5**	**29.87**	
4.16	4.19	4.19	10521.36	0.005033			1
4.22	4.23	4.26	11892.74	0.003206			2
4.31	4.33	4.35	7893.618	0.004575			3
4.44	4.46	4.48	7487.228	0.005214			5
4.60	4.62	4.64	4228.264	0.002417			6
Height Summation:			**42023.21**				
Amount Avg CF:			**0.004089**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

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

Analysis Report (A)

Injected on : May 25, 2017 12:01:49
Instrument : CP20--17342A
Result file : 20PCBS17137007.085.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**141.62**	
5.81	5.83	5.85	2567.715	0.002144			1
6.00	6.02	6.04	26414.1	0.027103			3
6.07	6.09	6.11	25525.7	0.114242			4
6.45	6.46	6.49	15969.67	0.005069			6

Height Summation: **70477.185**
Amount Avg CF: **0.037139** Linear:

Analysis Report (B)

Injected on : May 25, 2017 12:01:49
Instrument : CP20--17342B
Result file : 20PCBS17137007B.085.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**19.54**	
4.31	4.33	4.35	7893.618	0.002796			1
4.44	4.46	4.48	7487.228	0.002249			2
4.55	4.56	4.59	7773.298	0.002902			3
4.90	4.91	4.94	7201.372	0.003497			4
5.09	5.11	5.13	10887.36	0.00233			5
5.35	5.37	5.39	11239.77	0.003596			6

Height Summation: **52482.646**
Amount Avg CF: **0.002895** Linear:

Aroclor-1262					**5**	**33.51**	
4.71	4.73	4.75	3559.339	0.001098			1
4.90	4.91	4.94	7201.372	0.002234			2
5.09	5.11	5.13	10887.36	0.001775			3
5.31	5.32	5.35	3990.295	0.00157			4
5.35	5.37	5.39	11239.77	0.002748			5

Height Summation: **36878.136**
Amount Avg CF: **0.001885** Linear:

Aroclor-1268					**5**	**166.63**	
5.31	5.32	5.35	3990.295	0.000482			1
5.35	5.37	5.39	11239.77	0.001341			2
5.51	5.52	5.55	182694.7	0.025378			3
5.57	5.59	5.61	201804.8	0.115945			4
5.93	5.95	5.97	104247.6	0.004863			6

Height Summation: **503977.165**
Amount Avg CF: **0.029602** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 63.58	4	40	
Aroclor-1221						6.95	3	5	
Aroclor-1232						33.10	4	10	
Aroclor-1242						** 60.45	4	30	
Aroclor-1248						33.08	4	40	
Aroclor-1254						** 52.59	4	40	
Aroclor-1260						** 81.65	4	40	
Aroclor-1262						** 69.95	4	40	
Aroclor-1268						22.59	4	40	

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

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

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

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 20PCBS17137006
Instrument CP20--17342A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	20PCBS17137006.001	CONDITIONER		5/23/17 17:54	1714299999	1.00
2855	20PCBS17137006.002	CONDITIONER		5/23/17 18:05	1714299999	1.00
2855	20PCBS17137006.003	CONDITIONER		5/23/17 18:16	1714299999	1.00
2855	20PCBS17137006.004	CONDITIONER		5/23/17 18:28	1714299999	1.00
2855	20PCBS17137006.005	AR1631724A	AR163EA	5/23/17 18:39	1714299999	1.00
2855	20PCBS17137006.006	IBLKX1724A	PIBLKXU	5/23/17 18:51	1714299999	10.00
2855	20PCBS17137006.007	AR4231724A	AA	5/23/17 19:02	1714299999	1.00
2855	20PCBS17137006.008	AR4831724A	AA	5/23/17 19:14	1714299999	1.00
2855	20PCBS17137006.009	AR5431724A	AA	5/23/17 19:25	1714299999	1.00
2855	20PCBS17137006.010	BLANKA 5/22/17 CAF	PBLK15142	5/23/17 19:36	171420015A	10.00
2855	20PCBS17137006.011	LCSA 5/22/17 CAF	LCS15142	5/23/17 19:48	171420015A	10.00
2855	20PCBS17137006.012	LCSDA 5/22/17 CAF	LCSD15142	5/23/17 19:59	171420015A	10.00
2855	20PCBS17137006.013	AR1631724A	AR163EH	5/23/17 20:11	1714299999	1.00
2855	20PCBS17137006.014	IBLKX1724A	PIBLKYB	5/23/17 20:22	1714299999	10.00
2855	20PCBS17137006.015	8996162CAF	19441	5/23/17 20:34	171420015A	10.00
2855	20PCBS17137006.016	8996164CAF	19443	5/23/17 20:45	171420015A	10.00
2855	20PCBS17137006.017	8996429CAF	32210	5/23/17 20:57	171420015A	10.00
2855	20PCBS17137006.018	8997077CAF	54921	5/23/17 21:23	171420015A	10.00
2855	20PCBS17137006.019	8998893CAF	69051	5/23/17 21:34	171420015A	10.00
2855	20PCBS17137006.020	8998940CAF	98161	5/23/17 21:46	171420015A	10.00
2855	20PCBS17137006.021	9002486CAF	SO519	5/23/17 21:57	171420015A	10.00
2855	20PCBS17137006.022	AR1631724A	AR163EB	5/23/17 22:09	1714299999	1.00
2855	20PCBS17137006.023	IBLKX1724A	PIBLKXV	5/23/17 22:20	1714299999	10.00
2855	20PCBS17137006.024	9002486CAF DF5	SO519	5/23/17 22:32	171420015A	50.00
2855	20PCBS17137006.025	9002642CAF	41011	5/23/17 22:43	171420015A	10.00
2855	20PCBS17137006.026	9002645CAF	99242	5/23/17 22:55	171420015A	10.00
2855	20PCBS17137006.027	9002646CAF	61041	5/23/17 23:06	171420015A	10.00
2855	20PCBS17137006.028	BLANKA 5/22/17 ACF	PBLK23142	5/23/17 23:18	171420023A	10.00
2855	20PCBS17137006.029	LCSA 5/22/17 ACF	LCS23142	5/23/17 23:29	171420023A	10.00
2855	20PCBS17137006.030	9001155 RI ACF	DWY05	5/23/17 23:41	171420023A	10.00
2855	20PCBS17137006.031	9001155ACF DF5	DWY05	5/23/17 23:52	171420023A	50.00
2855	20PCBS17137006.032	9001156 RI ACF	DWY09	5/24/17 0:04	171420023A	10.00
2855	20PCBS17137006.033	9001157 RI ACF	DWY12	5/24/17 0:15	171420023A	10.00
2855	20PCBS17137006.034	AR1631724A	AR163EC	5/24/17 0:27	1714299999	1.00
2855	20PCBS17137006.035	IBLKX1724A	PIBLKXW	5/24/17 0:38	1714299999	10.00
2855	20PCBS17137006.036	9001158 RI ACF	DWY11	5/24/17 0:49	171420023A	10.00
2855	20PCBS17137006.037	9001159 RI ACF	DWY10	5/24/17 1:01	171420023A	10.00
2855	20PCBS17137006.038	9001160 RI ACF	DWY08	5/24/17 1:12	171420023A	10.00
2855	20PCBS17137006.039	9001161 RI ACF	DWY03	5/24/17 1:24	171420023A	10.00
2855	20PCBS17137006.040	9001162 RI ACF	DWY04	5/24/17 1:35	171420023A	10.00
2855	20PCBS17137006.041	9002520 RI ACF	DWY17	5/24/17 1:46	171420023A	10.00
2855	20PCBS17137006.042	9002521 RI ACF	DWY16	5/24/17 1:58	171420023A	10.00
2855	20PCBS17137006.043	9002522 RI ACF	DWY18	5/24/17 2:10	171420023A	10.00
2855	20PCBS17137006.044	9002523 RI ACF	DWY19	5/24/17 2:21	171420023A	10.00
2855	20PCBS17137006.045	9002524 RI ACF	DWY20	5/24/17 2:32	171420023A	10.00
2855	20PCBS17137006.046	AR1631724A	AR163ED	5/24/17 2:44	1714299999	1.00
2855	20PCBS17137006.047	IBLKX1724A	PIBLKXX	5/24/17 2:55	1714299999	10.00
2855	20PCBS17137006.048	9002525 RI ACF	DWY15	5/24/17 3:07	171420023A	10.00
2855	20PCBS17137006.049	9002526 RI ACF	DWY14	5/24/17 3:18	171420023A	10.00
2855	20PCBS17137006.050	9002526ACF DF5	DWY14	5/24/17 3:30	171420023A	50.00
2855	20PCBS17137006.051	9002527 RI ACF	DWY13	5/24/17 3:41	171420023A	10.00
2855	20PCBS17137006.052	9002528 RI ACF	DWY21	5/24/17 3:53	171420023A	10.00
2855	20PCBS17137006.053	9002529MSACF	DWY21	5/24/17 4:04	171420023A	10.00
2855	20PCBS17137006.054	9002530MSDACF	DWY21	5/24/17 4:16	171420023A	10.00
2855	20PCBS17137006.055	9002532 RI ACF	DWYFD	5/24/17 4:27	171420023A	10.00
2855	20PCBS17137006.056	9002532ACF DF5	DWYFD	5/24/17 4:38	171420023A	50.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	20PCBS17137006.057	AR1631724A	AR163EE	5/24/17 4:50	1714299999	1.00
2855	20PCBS17137006.058	IBLKX1724A	PIBLKXY	5/24/17 5:01	1714299999	10.00
2855	20PCBS17137006.059	9004133 RI ACF	DA520	5/24/17 5:13	171420023A	10.00
2855	20PCBS17137006.060	CONDITIONER		5/24/17 5:24	1714299999	1.00
2855	20PCBS17137006.061	9004133ACF DF5	DA520	5/24/17 5:36	171420023A	50.00
2855	20PCBS17137006.062	CONDITIONER		5/24/17 5:47	1714299999	1.00
2855	20PCBS17137006.063	BLANKA 5/23/17 ACF	PBLK38142	5/24/17 5:59	171420038A	10.00
2855	20PCBS17137006.064	LCSA 5/23/17 ACF	LCS38142	5/24/17 6:10	171420038A	10.00
2855	20PCBS17137006.065	AR1631724A	AR163EF	5/24/17 6:22	1714299999	1.00
2855	20PCBS17137006.066	IBLKX1724A	PIBLKXZ	5/24/17 6:33	1714299999	10.00
2855	20PCBS17137006.067	8980975RACF	S5109	5/24/17 6:45	171420038A	10.00
2855	20PCBS17137006.068	9002638ACF	07991	5/24/17 6:56	171420038A	10.00
2855	20PCBS17137006.069	9002694ACF	D2-00	5/24/17 7:07	171420038A	10.00
2855	20PCBS17137006.070	9002695ACF	D2-17	5/24/17 7:19	171420038A	10.00
2855	20PCBS17137006.071	9002697ACF	D210D	5/24/17 7:30	171420038A	10.00
2855	20PCBS17137006.072	9002698ACF	D2-10	5/24/17 7:42	171420038A	10.00
2855	20PCBS17137006.073	9002742ACF	D2-50	5/24/17 7:53	171420038A	10.00
2855	20PCBS17137006.074	9002743MSACF	D2-50	5/24/17 8:05	171420038A	10.00
2855	20PCBS17137006.075	9002744MSDACF	D2-50	5/24/17 8:16	171420038A	10.00
2855	20PCBS17137006.076	8980697	AA	5/24/17 8:28	171420038A	10.00
2855	20PCBS17137006.077	8980697 DF5	AA	5/24/17 8:39	171420038A	50.00
2855	20PCBS17137006.078	8980697 DF10	AA	5/24/17 8:51	171420038A	100.00
2855	20PCBS17137006.079	AR1631724A	AR163EG	5/24/17 9:02	1714299999	1.00
2855	20PCBS17137006.080	IBLKX1724A	PIBLKYA	5/24/17 9:14	1714299999	10.00
2855	20PCBS17137006.081	9001057ACF DF50	48A09	5/24/17 9:25	171390036A	500.00
2855	20PCBS17137006.082	8997261ACF DF5	61009	5/24/17 9:37	171390035A	50.00
2855	20PCBS17137006.083	8997397 RI ACF	63251	5/24/17 9:48	171390035A	10.00
2855	20PCBS17137006.084	8997397ACF DF5	63251	5/24/17 10:00	171390035A	50.00
2855	20PCBS17137006.085	8997397ACF DF10	63251	5/24/17 10:11	171390035A	100.00
2855	20PCBS17137006.086	9002727ACF DF5	7083A	5/24/17 10:23	171390035A	50.00
2855	20PCBS17137006.087	9002727ACF DF10	7083A	5/24/17 10:34	171390035A	100.00
2855	20PCBS17137006.088	BLANKA 5/23/17 ACF	PBLK37142	5/24/17 10:45	171420037A	10.00
2855	20PCBS17137006.089	LCSA 5/23/17 ACF	LCS37142	5/24/17 10:57	171420037A	10.00
2855	20PCBS17137006.090	AR1631724A	AR163EI	5/24/17 11:08	1714299999	1.00
2855	20PCBS17137006.091	IBLKX1724A	PIBLKYC	5/24/17 11:20	1714299999	10.00
2855	20PCBS17137006.092	9001131ACF DF5	52A05	5/24/17 11:31	171420037A	50.00
2855	20PCBS17137006.093	9001132MSACF DF5	52A05	5/24/17 11:43	171420037A	50.00
2855	20PCBS17137006.094	9001133MSDACF DF	52A05	5/24/17 11:54	171420037A	50.00
2855	20PCBS17137006.095	9001134ACF DF5	52A06	5/24/17 12:05	171420037A	50.00
2855	20PCBS17137006.096	BLANKA 5/23/17 ACF	PBLK36142	5/24/17 12:17	171420036A	10.00
2855	20PCBS17137006.097	LCSA 5/23/17 ACF	LCS36142	5/24/17 12:29	171420036A	10.00
2855	20PCBS17137006.098	9001087ACF DF10	A4901	5/24/17 12:40	171420036A	100.00
2855	20PCBS17137006.099	9001088 RI ACF	A4902	5/24/17 12:52	171420036A	10.00
2855	20PCBS17137006.100	9001089ACF DF50	A4903	5/24/17 13:03	171420036A	500.00
2855	20PCBS17137006.101	9001090ACF DF20	A4904	5/24/17 13:14	171420036A	200.00
2855	20PCBS17137006.102	9001091ACF DF5	A4905	5/24/17 13:26	171420036A	50.00
2855	20PCBS17137006.103	9001092 RI ACF	A4906	5/24/17 13:37	171420036A	10.00
2855	20PCBS17137006.104	9001092ACF DF5	A4906	5/24/17 13:49	171420036A	50.00
2855	20PCBS17137006.105	9001093ACF DF10	A4907	5/24/17 14:00	171420036A	100.00
2855	20PCBS17137006.106	9001094 RI ACF	A4908	5/24/17 14:12	171420036A	10.00
2855	20PCBS17137006.107	9001095 RI ACF	A4909	5/24/17 14:23	171420036A	10.00
2855	20PCBS17137006.108	9001096 RI ACF	A4910	5/24/17 14:35	171420036A	10.00
2855	20PCBS17137006.109	9001096ACF DF5	A4910	5/24/17 14:47	171420036A	50.00
2855	20PCBS17137006.110	9001097 RI ACF	A4911	5/24/17 14:58	171420036A	10.00
2855	20PCBS17137006.111	9001097ACF DF5	A4911	5/24/17 15:09	171420036A	50.00
2855	20PCBS17137006.112	AR1631724A	AR163EJ	5/24/17 15:21	1714299999	1.00
2855	20PCBS17137006.113	IBLKX1724A	PIBLKYD	5/24/17 15:32	1714299999	10.00
2855	20PCBS17137006.114	9001098ACF DF5	A4912	5/24/17 15:43	171420036A	50.00
2855	20PCBS17137006.115	9001099 RI ACF	A4913	5/24/17 15:55	171420036A	10.00
2855	20PCBS17137006.116	9001099ACF DF5	A4913	5/24/17 16:06	171420036A	50.00
2855	20PCBS17137006.117	9001100MSACF	A4913	5/24/17 16:18	171420036A	10.00
2855	20PCBS17137006.118	9001100MSACF DF5	A4913	5/24/17 16:29	171420036A	50.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	20PCBS17137006.119	9001101MSDACF	A4913	5/24/17 16:41	171420036A	10.00
2855	20PCBS17137006.120	9001101MSDACF DF	A4913	5/24/17 16:52	171420036A	50.00
2855	20PCBS17137006.121	9001102 RI ACF	A4914	5/24/17 17:04	171420036A	10.00
2855	20PCBS17137006.122	9001103 RI ACF	A4915	5/24/17 17:15	171420036A	10.00
2855	20PCBS17137006.123	9001103ACF DF5	A4915	5/24/17 17:27	171420036A	50.00
2855	20PCBS17137006.124	9001104 RI ACF	A4916	5/24/17 17:38	171420036A	10.00
2855	20PCBS17137006.125	9001105ACF DF50	A4917	5/24/17 17:49	171420036A	500.00
2855	20PCBS17137006.126	9001106 RI ACF	A4918	5/24/17 18:01	171420036A	10.00
2855	20PCBS17137006.127	9001107 RI ACF	51A01	5/24/17 18:12	171420036A	10.00
2855	20PCBS17137006.128	9001107ACF DF5	51A01	5/24/17 18:24	171420036A	50.00
2855	20PCBS17137006.129	9001108ACF DF5	51A02	5/24/17 18:35	171420036A	50.00
2855	20PCBS17137006.130	AR1631724A	AR163EK	5/24/17 18:47	1714299999	1.00
2855	20PCBS17137006.131	IBLKX1724A	PIBLKYE	5/24/17 18:58	1714299999	10.00

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

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

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

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

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATE51

Fraction: Polychlorinated Biphenyls (PCBs)

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

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9001107 RI ACF 51A01 Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10.12 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 24, 2017 18:12:47
Instrument	17342A
Result file	20PCBS17137006.127.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 99% (61 - 152) Conc: 28.56854
%SSR(DCB) 96% (48 - 164) Conc: 27.80921

Analysis Report (B)

Injected on	May 24, 2017 18:12:47
Instrument	17342B
Result file	20PCBS17137006B.127.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 28.40214
%SSR(DCB) 81% (48 - 164) Conc: 23.39633

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3285502	28.56854
Decachlorobiphenyl	6.58	6.61	6.64	1936694	27.80921

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	19870260	28.40214
Decachlorobiphenyl	6.08	6.11	6.14	11534970	23.39633

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	28.56854				0.58	
☑ Decachlorobiphenyl	A	27.80921				17.24	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**31.31**	
4.73	4.76	4.77	1417940	334.324824			1
5.03	5.05	5.07	1570425	670.139131			2
5.20	5.23	5.24	1011868	368.763124			3
5.37	5.39	5.41	923713.4	295.035849			4
5.61	5.63	5.65	3446218	454.077336			5
5.82	5.84	5.86	1879581	440.854517			6

Height summation: **10249745.4**
Concentration CF: **427.19913** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.15**	
4.31	4.33	4.35	11031170	386.075971			1
4.44	4.46	4.48	15306870	454.283149			2
4.55	4.57	4.59	10242870	377.83269			3
4.90	4.92	4.94	7438228	356.946722			4
5.09	5.11	5.13	21594490	456.633767			5
5.35	5.37	5.39	12793770	404.41343			6

Height summation: **78407398**
Concentration CF: **406.030955** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<50.3953	<9.7826			4	
☑ PCB-1221			<50.3953	<15.1186			3	
☑ PCB-1232			<50.3953	<12.1542			4	
☑ PCB-1242			<50.3953	<12.1542			4	
☑ PCB-1248			<50.3953	<9.7826			4	
☑ PCB-1254			<50.3953	<13.0435			4	
☑ PCB-1260	A	427.19913	50.3953	11.5613		5.08	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Michael J. Miller, Senior Chemist
Date: MAY 24 2017

Verified by:
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001107** RI ACF 51A01 Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10.12 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 24, 2017 18:12:47
Instrument : CP20--17342A
Result file : 20PCBS17137006.127.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 99% (61-152) Conc.: 28.56854 BEOS
%SSR(DCB) : 96% (48-164) Conc.: 27.80921

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	116.90	
3.16	3.19	3.20	2987.571	1.438756			1
3.37	3.40	3.41	4520.309	2.131876			2
3.49	3.51	3.53	9080.252	3.803786			3
3.71	3.74	3.75	74115.7	28.023064			4
3.76	3.79	3.80	6451.679	2.982396			5
+ 3.96	3.96	4.00	787.4283	0.453968			6
3.96	3.98	4.00	38698.78	22.310632			6
Height Summation:			**135854.291**				
Amount Avg CF:			**10.115085**	Linear:			
Aroclor-1221					3	100.20	
3.06	3.08	3.10	1769.226	1.778629			1
3.11	3.12	3.15	6215.438	7.22774			2
3.16	3.19	3.20	2987.571	1.075403			3
Height Summation:			**10972.235**				
Amount Avg CF:			**3.360591**	Linear:			
Aroclor-1232					6	120.46	
3.16	3.19	3.20	2987.571	1.198876			1
3.38	3.40	3.42	4520.309	4.507968			2
+ 3.38	3.41	3.42	1726.763	1.722049			2
3.49	3.51	3.53	9080.252	8.2529			3
3.71	3.74	3.75	74115.7	62.096876			4
3.77	3.79	3.81	6451.679	6.894833			5
3.96	3.98	4.00	38698.78	53.500657			6
Height Summation:			**135854.291**				
Amount Avg CF:			**22.742018**	Linear:			
Aroclor-1242					6	116.70	
3.16	3.19	3.20	2987.571	1.679455			1
3.38	3.40	3.42	4520.309	2.573307			2
+ 3.38	3.41	3.42	1726.763	0.983006			2
3.49	3.51	3.53	9080.252	4.720734			3
3.71	3.74	3.75	74115.7	34.252281			4
3.77	3.79	3.81	6451.679	3.80819			5
3.96	3.98	4.00	38698.78	27.942114			6
Height Summation:			**135854.291**				
Amount Avg CF:			**12.496014**	Linear:			
Aroclor-1248					6	177.06	
3.76	3.79	3.80	6451.679	5.493119			1
3.83	3.86	3.87	87255.56	40.851071			2
+ 3.96	3.96	4.00	787.4283	0.313034			3
3.96	3.98	4.00	38698.78	15.384291			3
4.05	4.07	4.09	58703.44	28.07304			4
4.23	4.23	4.27	320668.2	129.450961			5
+ 4.23	4.25	4.27	115419.9	46.594009			5
4.61	4.64	4.65	1266718	697.578398			6
Height Summation:			**1778495.659**				
Amount Avg CF:			**152.805147**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 18:12:47
Instrument : CP20--17342B
Result file : 20PCBS17137006B.127.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 98% (61-152) Conc.: 28.40214
%SSR(DCB) : 81% (48-164) Conc.: 23.39633

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	77.16	
2.88	2.91	2.92	605912.8	52.949066			1
3.21	3.22	3.25	66161.54	4.652477			2
+ 3.21	3.24	3.25	28947.4	2.03558			2
+ 3.40	3.40	3.44	291282.2	20.384488			3
3.40	3.43	3.44	475624.3	33.285102			3
3.47	3.48	3.51	59891.58	3.544178			4
3.63	3.65	3.67	284044.7	20.006065			5
+ 3.72	3.73	3.76	18481.77	1.519111			6
3.72	3.74	3.76	492379.2	40.471167			6
Height Summation:			**1984014.12**				
Amount Avg CF:			**25.818009**	Linear:			
Aroclor-1221					3	100.61	
2.77	2.78	2.81	56887.32	9.419746			1
2.83	2.85	2.87	22071.65	5.928777			2
2.88	2.91	2.92	605912.8	39.234319			3
Height Summation:			**684871.77**				
Amount Avg CF:			**18.194281**	Linear:			
Aroclor-1232					6	74.99	
2.88	2.91	2.92	605912.8	43.340094			1
3.21	3.22	3.25	66161.54	9.791838			2
+ 3.21	3.24	3.25	28947.4	4.284185			2
+ 3.40	3.40	3.44	291282.2	48.18536			3
3.40	3.43	3.44	475624.3	78.680154			3
3.47	3.48	3.51	59891.58	8.064269			4
3.66	3.68	3.70	90576.88	44.658144			5
+ 3.73	3.73	3.77	18481.77	3.475634			6
3.73	3.74	3.77	492379.2	92.595555			6
Height Summation:			**1790546.3**				
Amount Avg CF:			**46.188342**	Linear:			
Aroclor-1242					6	74.71	
2.88	2.91	2.92	605912.8	61.580685			1
3.21	3.22	3.25	66161.54	5.630368			2
+ 3.21	3.24	3.25	28947.4	2.463433			2
+ 3.40	3.40	3.44	291282.2	25.20712			3
3.40	3.43	3.44	475624.3	41.159807			3
3.47	3.48	3.51	59891.58	4.534847			4
3.64	3.65	3.68	284044.7	26.121648			5
+ 3.73	3.73	3.77	18481.77	1.897503			6
3.73	3.74	3.77	492379.2	50.552022			6
Height Summation:			**1984014.12**				
Amount Avg CF:			**31.596563**	Linear:			
Aroclor-1248					6	154.87	
+ 3.40	3.40	3.44	291282.2	51.684742			1
3.40	3.43	3.44	475624.3	84.39417			1
3.51	3.53	3.55	591436.1	37.208639			2
3.63	3.65	3.67	284044.7	14.303187			3
+ 3.72	3.73	3.76	18481.77	1.288883			4
3.72	3.74	3.76	492379.2	34.337577			4
3.86	3.88	3.90	3285031	120.950799			5
4.22	4.24	4.26	7660332	637.90824			6
Height Summation:			**12788847.3**				
Amount Avg CF:			**154.850435**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001107** RI ACF 51A01 Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10.12 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 24, 2017 18:12:47
Instrument : CP20--17342A
Result file : 20PCBS17137006.127.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	86.08	
4.21	4.23	4.25	320668.2	109.793969			1
4.55	4.57	4.59	312551.2	106.485324			2
4.61	4.64	4.65	1266718	213.679825			3
4.73	4.76	4.77	1417940	796.880329			4
4.83	4.85	4.87	958523.9	244.675117			5
5.14	5.17	5.18	3069968	762.875053			6
Height Summation:			**7346369.3**				
Amount Avg CF:			**372.39827**	Linear:			
Aroclor-1260					6	31.31	
4.73	4.76	4.77	1417940	334.324824			1
5.03	5.05	5.07	1570425	670.139131			2
5.20	5.23	5.24	1011868	368.763124			3
+ 5.37	5.38	5.41	70115.41	22.394998			4
5.37	5.39	5.41	923713.4	295.035849			4
5.61	5.63	5.65	3446218	454.077336			5
5.82	5.84	5.86	1879581	440.854517			6
Height Summation:			**10249745.4**				
Amount Avg CF:			**427.19913**	Linear:			
Aroclor-1262					6	30.20	
E 5.21	5.23	5.24	1011868	200.286711			1
+ 5.37	5.38	5.41	70115.41	17.179365			2
E 5.37	5.39	5.41	923713.4	226.324135			2
E 5.61	5.63	5.65	3446218	349.352347			3
E 5.81	5.84	5.85	1879581	344.773756			4
5.87	5.88	5.91	448125.8	165.932323			5
E 6.25	6.27	6.29	762371.9	232.035859			6
Height Summation:			**8471878.1**				
Amount Avg CF:			**253.117522**	Linear:			
Aroclor-1268					6	113.90	
5.81	5.84	5.85	1879581	155.046817			1
5.87	5.88	5.91	448125.8	42.367138			2
6.00	6.02	6.04	39572.16	4.012247			3
6.07	6.09	6.11	63263.5	27.978333			4
6.25	6.27	6.29	762371.9	187.138459			5
6.45	6.47	6.49	164656	5.164744			6
Height Summation:			**3357570.36**				
Amount Avg CF:			**70.284623**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 18:12:47
Instrument : CP20--17342B
Result file : 20PCBS17137006B.127.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	82.14	
4.16	4.18	4.19	2728204	128.952979			1
4.22	4.24	4.26	7660332	204.062139			2
4.31	4.33	4.35	11031170	631.696991			3
4.38	4.40	4.42	5954700	235.96853			4
E 4.44	4.46	4.48	15306870	1053.312586			5
4.60	4.62	4.64	5659915	319.696365			6
Height Summation:			**48341191**				
Amount Avg CF:			**428.948265**	Linear:			
Aroclor-1260					6	10.15	
4.31	4.33	4.35	11031170	386.075971			1
4.44	4.46	4.48	15306870	454.283149			2
4.55	4.57	4.59	10242870	377.83269			3
4.90	4.92	4.94	7438228	356.946722			4
5.09	5.11	5.13	21594490	456.633767			5
5.35	5.37	5.39	12793770	404.41343			6
Height Summation:			**78407398**				
Amount Avg CF:			**406.030955**	Linear:			
Aroclor-1262					6	36.09	
4.71	4.73	4.75	5497655	167.604178			1
E 4.90	4.92	4.94	7438228	227.962821			2
E 5.09	5.11	5.13	21594490	347.941185			3
5.31	5.33	5.35	3226331	125.453285			4
E 5.35	5.37	5.39	12793770	309.067332			5
E 5.73	5.75	5.77	4839580	216.028715			6
Height Summation:			**55390054**				
Amount Avg CF:			**232.342919**	Linear:			
Aroclor-1268					6	121.81	
5.31	5.33	5.35	3226331	38.520299			1
5.35	5.37	5.39	12793770	150.86973			2
5.51	5.53	5.55	288559.9	3.960855			3
5.57	5.59	5.61	174896.1	9.929317			4
5.73	5.75	5.77	4839580	169.546818			5
5.93	5.95	5.97	1021586	4.709095			6
Height Summation:			**22344723**				
Amount Avg CF:			**62.922686**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.3953	9.7826		** 87.40	4	40	
Aroclor-1221			50.3953	15.1186		** 137.64	3	5	
Aroclor-1232			50.3953	12.1542		** 68.03	4	10	
Aroclor-1242			50.3953	12.1542		** 86.64	4	30	
Aroclor-1248			50.3953	9.7826		1.33	4	40	
Aroclor-1254			50.3953	13.0435		14.11	4	40	
Aroclor-1260			50.3953	11.5613		5.08	4	40	
Aroclor-1262			50.3953	9.7826	E	8.56	4	40	
Aroclor-1268			50.3953	9.7826		11.05	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001107 RI ACF AB51A01 T 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 6:12:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137006.127.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.004		1255	484
2.037		8624	8031
2.101		10465	14382
2.13		34742	21521
2.153		3454	3188
2.197		43302	29081
2.218		9405	5612
2.31		8794	5179
2.328		4369	2645
2.386		6307	9730
2.422		1273	702
2.443		1702	1653
2.475		4486	3405
2.568		4499	4505
2.626		8190	5008
2.647		27024	17424
2.704		1002	1180
2.781		4936	2739
2.827		4228	3639
2.873		1287	1222
2.924	TCX	3285502	2138809
3.037		9914	5848
3.082		1769	2153
3.123		6215	5062
3.19		2988	3827
3.23		43554	22855
3.243		120249	63830
3.315		1557	1129
3.397		4520	2774
3.414		1727	920
3.481		3157	2754
3.514		9080	6457
3.586		7196	5797
3.624		1358	1319
3.659		2395	1897
3.701		49432	44277
3.736		74116	57985
3.791		6452	5956
3.821		6528	6314
3.856		87256	63121
3.883		72387	47775
3.905		199496	146694
3.959		787	449
3.98		38699	27617
4.004		12059	7732
4.034		23047	17112
4.07		58703	54619
4.113		46391	36474
4.139		21660	15552
4.192		16625	13863
4.229		320668	236079
4.249		115420	68326
4.273		243143	189782
4.34		160213	134648

RT A	Compound A	Height A	Area A
4.382		738435	754715
4.417		357767	294436
4.457		46351	35674
4.479		31966	22744
4.523		231196	218077
4.575		312551	352361
4.606		138487	81846
4.635		1266718	1063967
4.68		586277	640700
4.719		204663	141846
4.758		1417940	1379706
4.808		104178	92406
4.85		958524	958581
4.879		14661	7377
4.905		339081	326170
4.958		2242686	2735548
5.007		293698	257155
5.05		1570425	1552729
5.092		83072	61563
5.129		208808	263052
5.166		3069968	2863960
5.188		101976	47582
5.229		1011868	927612
5.271		692376	703094
5.376		70115	81796
5.393		923713	765417
5.452		594600	578325
5.491		344117	309942
5.531		59297	57260
5.576		535696	484747
5.603		37707	22121
5.633		3446219	3320470
5.668		28885	17271
5.719		7919	7382
5.753		3026	2282
5.776		1802	1058
5.799		1864	1116
5.838		1879581	1952889
5.876		448126	926025
5.99		6195	4614
6.023		39572	47069
6.087		63264	47036
6.11		298297	263298
6.178		3990	4987
6.231		1395	935
6.268		762372	743276
6.313		50928	50359
6.384		1569	2553
6.468		164656	178282
6.614	DCB	1936694	2032274
6.691		8273	7771
7.083		1374	3693
7.229		1043	1413
7.783		2161	2967
7.878		571	2223
7.946		1176	2135
8.031		23362	39469

LANCASTER LABORATORIES

Sample Number: 9001107 RI ACF AB51A01 T 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 6:12:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137006B.127.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

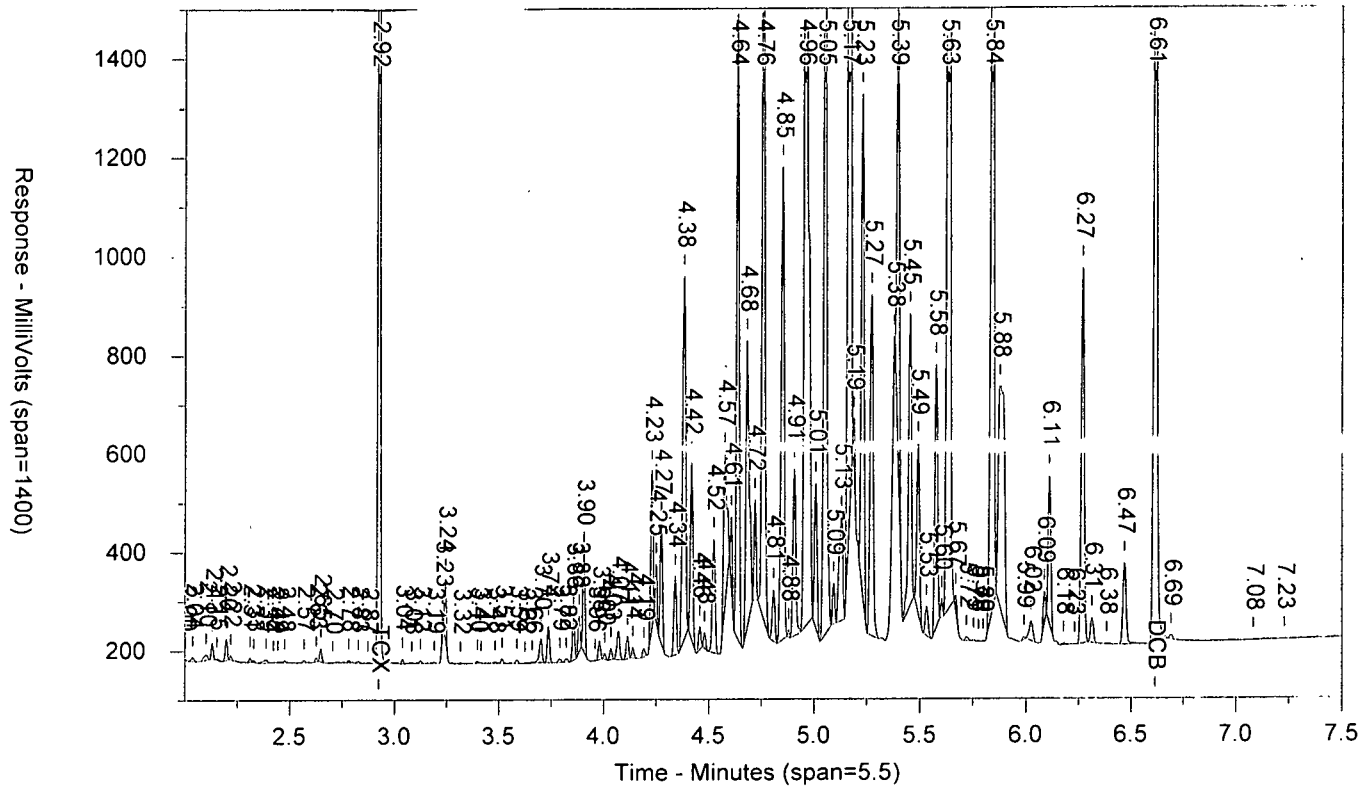
RT B	Compound B	Height B	Area B
2.002		4131	3073
2.033		12226	7753
2.053		27693	16717
2.096		28546	14274
2.113		36876	19567
2.141		4589	1580
2.157		40615	23711
2.183		19683	15858
2.212		7167	3585
2.235		16795	15567
2.295		5323	4637
2.319		32885	32291
2.363		175733	129427
2.396		48189	29821
2.429		4660	2888
2.491		10790	11057
2.515		3359	1703
2.533		8311	5195
2.568		10359	9554
2.589		18952	12651
2.614	TCX	19870260	11228050
2.676		11968	8511
2.708		10141	16099
2.784		56887	31930
2.81		14995	18739
2.846		22072	31659
2.877		7132	4966
2.91		605913	282289
2.92		216480	75106
2.948		22410	15346
2.997		8928	11481
3.033		15739	8301
3.064		7189	5638
3.084		5525	3389
3.106		30684	30885
3.179		5295	4075
3.202		15143	7607
3.224		66162	38605
3.243		28947	14821
3.264		23478	18003
3.316		41400	48270
3.353		6741	3371
3.384		94956	71131
3.404		291282	170154
3.434		475624	293316
3.483		59892	66315
3.527		591436	360366
3.55		556786	294784
3.568		1489061	854959
3.593		21248	14809
3.628		3404	1766
3.653		284045	177847
3.676		90577	47028
3.698		216695	199276

RT B	Compound B	Height B	Area B
3.726		18482	9242
3.742		492379	321744
3.78		178180	125355
3.807		5595	2680
3.823		95793	72721
3.854		327023	188567
3.876		3285031	2047460
3.9		954174	551810
3.92		689272	385957
3.939		936931	556515
3.974		5144293	3439122
4.006		2539517	1635476
4.023		337049	151943
4.044		243686	153019
4.085		284768	253631
4.119		1439611	1007691
4.14		145691	104706
4.176		2728204	2002808
4.209		1453469	1268206
4.237		7660333	7450081
4.275		1654613	1643664
4.328		11031170	8891783
4.365		761180	648959
4.398		5954700	4043316
4.422		2870721	1896158
4.464		15306870	11740940
4.519		30891	21744
4.567		10242870	9589844
4.617		5659915	4686347
4.658		3281252	2715270
4.695		18101290	15268630
4.728		5497655	3652290
4.766		4455192	3499648
4.84		404259	346879
4.866		909515	599823
4.883		371449	215619
4.917		7438229	5460954
4.941		2484530	1772217
4.99		4045335	3633412
5.026		2339976	1760228
5.056		1520830	1233939
5.088		1258803	746537
5.111		21594490	17278400
5.152		400855	295800
5.184		554944	473226
5.227		12722	8448
5.247		33507	23129
5.282		12807	8743
5.303		153688	95703
5.326		3226331	2645915
5.371		12793770	13516060
5.444		57038	43322
5.472		13833	14850
5.526		288560	257710
5.571		423049	340021
5.595		174896	113037
5.616		19466	9057
5.644		2088222	1719414
5.686		11902	10293
5.723		7536	4372
5.75		4839580	3958310
5.781		280620	211686
5.858		9449	9291
5.95		1021586	898091
5.981		4008	2185
6.063		3470	2506

RT B	Compound B	Height B	Area B
6.108	DCB	11534970	10481900
6.284		43879	34113
6.311		76273	62512
6.449		2828	2459
6.531		14516	15782
6.587		7907	15874
6.733		3919	5499
6.791		3523	4493
6.956		2796	2780
7.012		9786	12036
7.129		4583	7187
7.313		2616	3607
7.464		10552	25179
7.557		113924	144518
7.716		2737	4333
8.118		3193	4546
8.217		17431	31498
8.434		7813	18369
8.596		1915	2771

9001107 RI ACF AB51A01 T 171420036A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137006.127.RAW



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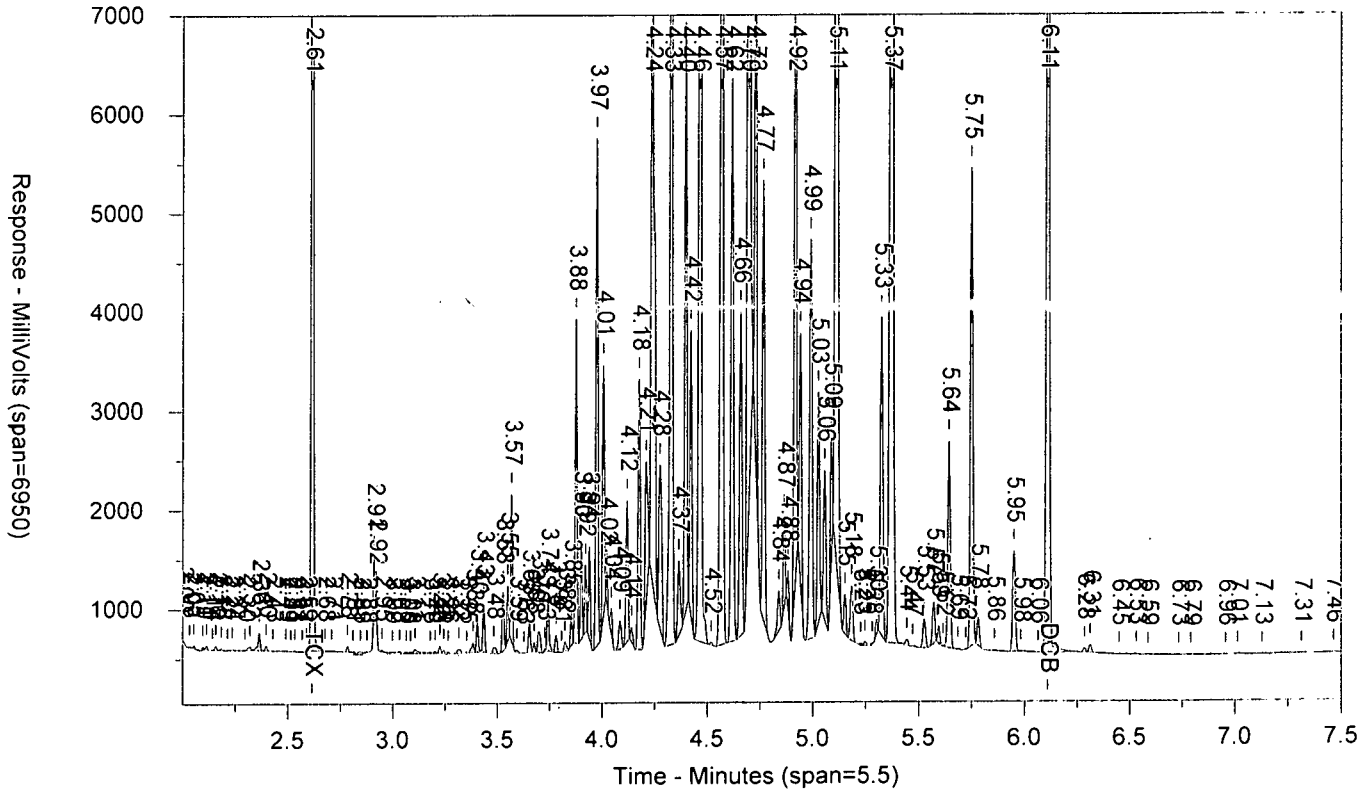


LANCASTER LABORATORIES

Sample Number: 9001107 RI ACF AB51A01 T 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 6:12:47 PM Sample Weight: 10.12
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

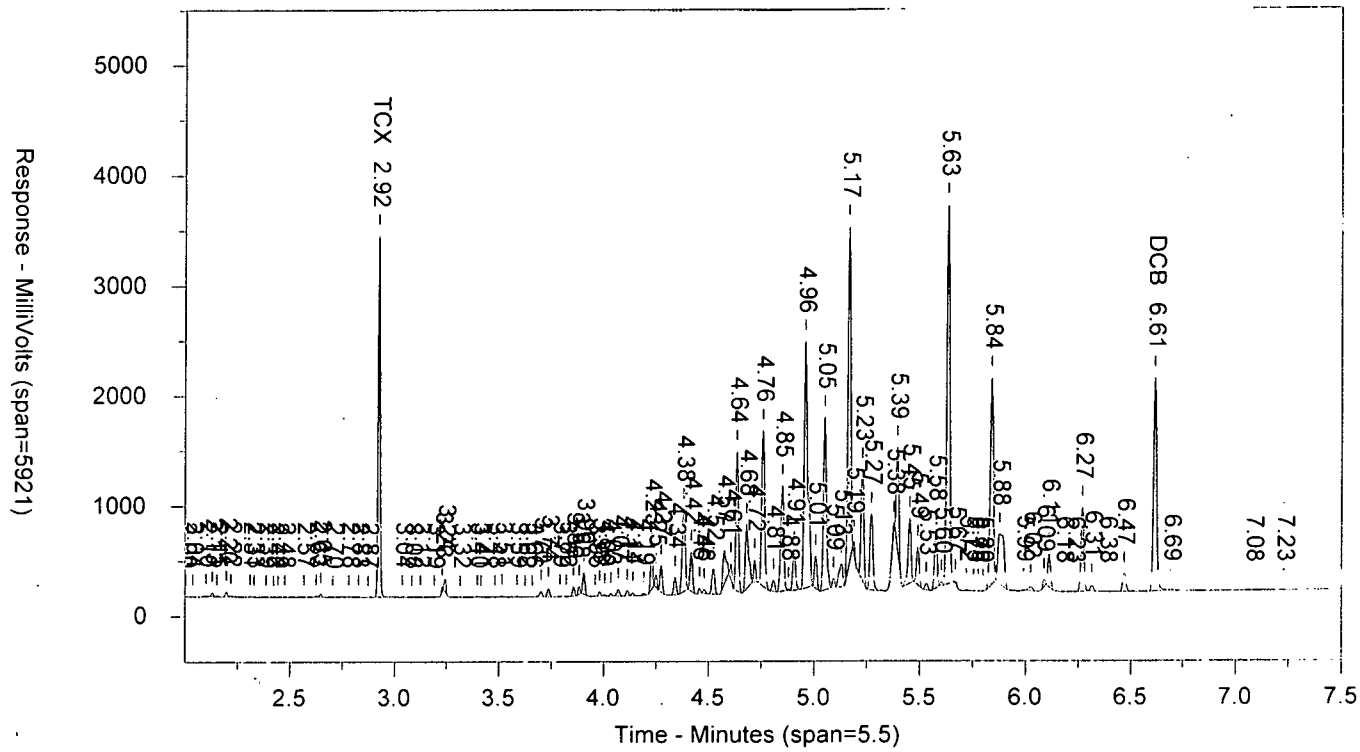
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3285502	28.569	TCX	2.614	19870260	28.402	TCX
6.614	1936694	27.809	DCB	6.108	11534970	23.396	DCB

Files:
Area File: 20pcbs17137006.127.RAW
Area File: 20pcbs17137006B.127.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 6:21:31 PM
File Reported On: 5/24/2017 at 6:21:43 PM

9001107 RI ACF AB51A01 T 171420036A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137006.127.RAW



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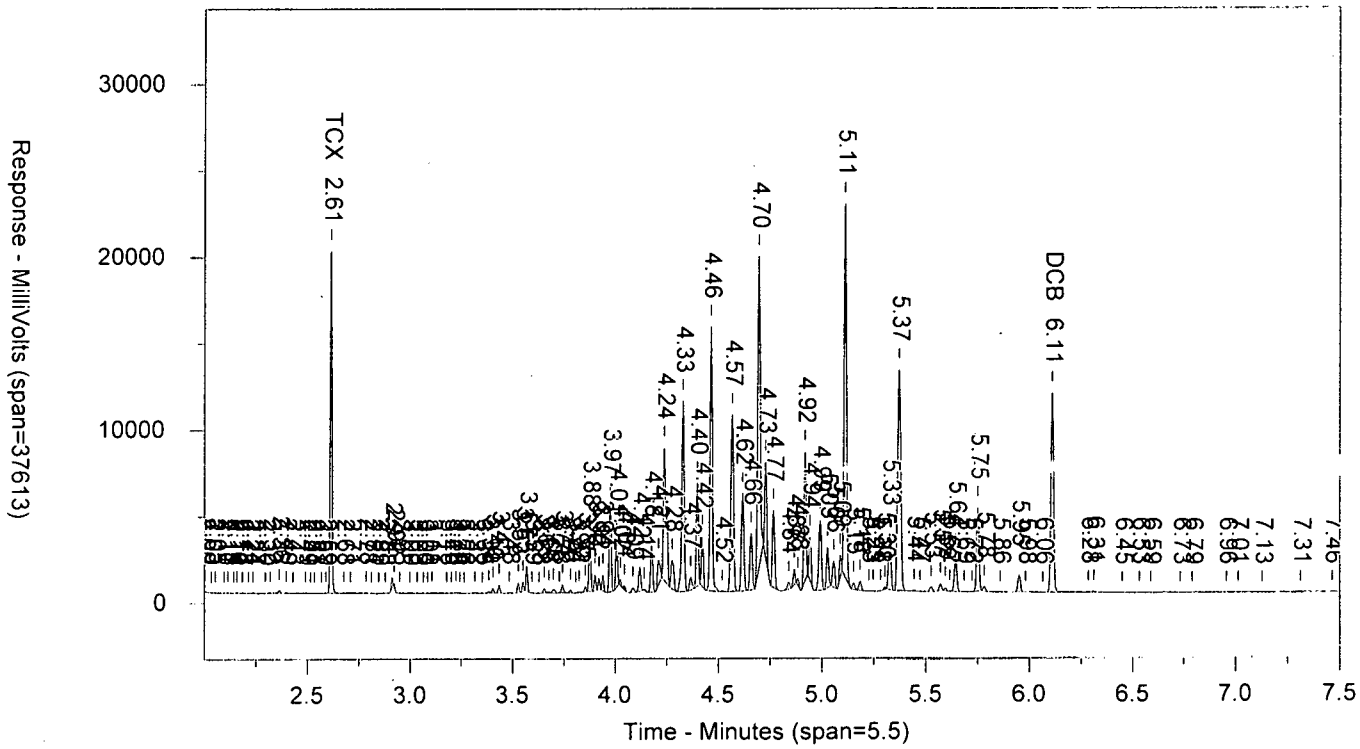

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Data Summary

Sample Name: 9001108 ACF DF5 51A02 Sample ID: AC **Batchnumber: 171420036A**
Sample Amount: 10.43 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 24, 2017 18:35:42
Instrument	17342A
Result file	20PCBS17137006.129.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 99% (61 - 152) Conc: 27.85106
%SSR(DCB) 110% (48 - 164) Conc: 30.86204

Analysis Report (B)

Injected on	May 24, 2017 18:35:42
Instrument	17342B
Result file	20PCBS17137006B.129.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 102% (61 - 152) Conc: 28.69099
%SSR(DCB) 96% (48 - 164) Conc: 26.87545

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	660221	27.85106
Decachlorobiphenyl	6.58	6.61	6.64	443028	30.86204

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	4137443	28.69099
Decachlorobiphenyl	6.08	6.11	6.14	2731230	26.87545

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
✓	Tetrachloro-m-xylene	B	28.69099				2.97	
✓	Decachlorobiphenyl	A	30.86204				13.81	

Multiple Component Data

Aroclor-1260 (%RSD 32.46)

Min	RT	Max	Height	Amount	Pks	Peak
4.73	4.76	4.77	1084721	1240.780694		1
5.03	5.05	5.07	1162676	2406.981176		2
5.20	5.23	5.24	720354.2	1273.608429		3
5.37	5.39	5.41	649692.1	1006.726128		4
5.61	5.63	5.65	2399234	1533.648716		5
5.82	5.84	5.86	1361285	1548.993217		6

Height summation: **7377962.3**
Concentration CF: **1501.789727** L:

Aroclor-1260 (%RSD 10.03)

Min	RT	Max	Height	Amount	Pks	Peak
4.31	4.33	4.35	8038574	1364.886122		1
4.44	4.46	4.48	11191960	1611.434255		2
4.55	4.57	4.59	7386790	1321.903736		3
4.90	4.91	4.94	5312360	1236.766229		4
5.09	5.11	5.13	15115620	1550.66236		5
5.35	5.37	5.39	9598194	1471.915106		6

Height summation: **56643498**
Concentration CF: **1426.261301** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<244.4871	<47.4593			4	
✓	PCB-1221			<244.4871	<73.3461			3	
✓	PCB-1232			<244.4871	<58.9645			4	
✓	PCB-1242			<244.4871	<58.9645			4	
✓	PCB-1248			<244.4871	<47.4593			4	
✓	PCB-1254			<244.4871	<63.279			4	
✓	PCB-1260	A	1501.789727	244.4871	56.0882		5.16	4	

Units: ug/kg

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

Reviewed by: [illegible] Service Chemist
Date: MAY 24 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001108** ACF DF5 51A02 Sample ID: AC **Batchnumber: 171420036A**
Sample Amount: 10.43 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 24, 2017 18:35:42
Instrument : CP20--17342A
Result file : 20PCBS17137006.129.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 99% (61-152) Conc.: 27.85106 800 S
%SSR(DCB) : 110% (48-164) Conc.: 30.86204

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	133.75	
3.16	3.19	3.20	3094.977	7.230903			1
3.37	3.40	3.41	3914.464	8.956378			2
3.49	3.51	3.53	3821.75	7.76688			3
3.71	3.73	3.75	15818.58	29.016105			4
3.76	3.79	3.80	4875.857	10.934774			5
3.96	3.98	4.00	35740.05	99.962236			6
Height Summation:			**67265.678**				
Amount Avg CF:			**27.311213**	Linear:			
Aroclor-1221					2	42.43	
3.11	3.12	3.15	1779.271	10.037813			2
3.16	3.19	3.20	3094.977	5.404763			3
Height Summation:			**4874.248**				
Amount Avg CF:			**7.721288**	Linear:			
Aroclor-1232					6	144.54	
3.16	3.19	3.20	3094.977	6.025313			1
3.38	3.40	3.42	3914.464	18.938745			2
3.49	3.51	3.53	3821.75	16.851446			3
3.71	3.73	3.75	15818.58	64.297375			4
3.77	3.79	3.81	4875.857	25.279481			5
3.96	3.98	4.00	35740.05	239.708373			6
Height Summation:			**67265.678**				
Amount Avg CF:			**61.850122**	Linear:			
Aroclor-1242					6	135.13	
3.16	3.19	3.20	3094.977	8.440607			1
3.38	3.40	3.42	3914.464	10.810905			2
3.49	3.51	3.53	3821.75	9.63918			3
3.71	3.73	3.75	15818.58	35.466064			4
3.77	3.79	3.81	4875.857	13.962495			5
3.96	3.98	4.00	35740.05	125.193954			6
Height Summation:			**67265.678**				
Amount Avg CF:			**33.918868**	Linear:			
Aroclor-1248					6	173.66	
3.76	3.79	3.80	4875.857	20.140185			1
3.83	3.85	3.87	64797.4	147.175028			2
3.96	3.98	4.00	35740.05	68.928938			3
4.05	4.07	4.09	37116.99	86.112233			4
4.23	4.23	4.27	257324.5	503.960772			5
+ 4.23	4.25	4.27	74915.45	146.719212			5
4.61	4.63	4.65	915140	2444.932244			6
Height Summation:			**1314994.797**				
Amount Avg CF:			**545.208233**	Linear:			
Aroclor-1254					6	82.67	
4.21	4.23	4.25	257324.5	427.43486			1
4.55	4.57	4.59	281373.7	465.069969			2
4.61	4.63	4.65	915140	748.923268			3
4.73	4.76	4.77	1084721	2957.464285			4
4.83	4.85	4.87	753613.8	933.258405			5
5.14	5.16	5.18	2121919	2558.082665			6
Height Summation:			**5414092**				
Amount Avg CF:			**1348.372242**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 18:35:42
Instrument : CP20--17342B
Result file : 20PCBS17137006B.129.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 102% (61-152) Conc.: 28.69099
%SSR(DCB) : 96% (48-164) Conc.: 26.87545

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	83.48	
2.88	2.91	2.92	99920.73	42.361369			1
3.21	3.22	3.25	31154.4	10.628311			2
+ 3.40	3.40	3.44	53933.77	18.311033			3
3.40	3.43	3.44	72338.34	24.559561			3
3.47	3.49	3.51	47696.95	13.693252			4
3.63	3.65	3.67	275102.7	94.001771			5
+ 3.72	3.72	3.76	49031.66	19.551894			6
3.72	3.74	3.76	245608.5	97.938992			6
Height Summation:			**771821.62**				
Amount Avg CF:			**47.197209**	Linear:			
Aroclor-1221					3	33.04	
2.77	2.78	2.81	40834.11	32.802957			1
2.83	2.85	2.87	12824.04	16.71173			2
2.88	2.91	2.92	99920.73	31.389023			3
Height Summation:			**153578.88**				
Amount Avg CF:			**26.967904**	Linear:			
Aroclor-1232					6	102.90	
+ 2.88	2.88	2.92	10946.19	3.798472			1
2.88	2.91	2.92	99920.73	34.673807			1
3.21	3.22	3.25	31154.4	22.368878			2
+ 3.40	3.40	3.44	53933.77	43.284076			3
3.40	3.43	3.44	72338.34	58.054503			3
3.47	3.49	3.51	47696.95	31.15703			4
+ 3.66	3.67	3.70	61718.77	147.627336			5
3.66	3.70	3.70	111297.2	266.215758			5
3.73	3.74	3.77	245608.5	224.078424			6
Height Summation:			**608016.12**				
Amount Avg CF:			**106.0914**	Linear:			
Aroclor-1242					6	85.62	
+ 2.88	2.88	2.92	10946.19	5.397139			1
2.88	2.91	2.92	99920.73	49.267009			1
3.21	3.22	3.25	31154.4	12.862245			2
+ 3.40	3.40	3.44	53933.77	22.64312			3
3.40	3.43	3.44	72338.34	30.369947			3
3.47	3.49	3.51	47696.95	17.520788			4
3.64	3.65	3.68	275102.7	122.73684			5
+ 3.64	3.67	3.68	61718.77	27.535778			5
3.73	3.74	3.77	245608.5	122.334353			6
Height Summation:			**771821.62**				
Amount Avg CF:			**59.181864**	Linear:			
Aroclor-1248					6	173.18	
+ 3.40	3.40	3.44	53933.77	46.427511			1
3.40	3.43	3.44	72338.34	62.270615			1
3.51	3.53	3.55	460655.5	140.597768			2
3.63	3.65	3.67	275102.7	67.205867			3
+ 3.72	3.72	3.76	49031.66	16.588715			4
3.72	3.74	3.76	245608.5	83.095891			4
3.86	3.87	3.90	2425258	433.204962			5
4.22	4.24	4.26	5797476	2342.155835			6
Height Summation:			**9276439.04**				
Amount Avg CF:			**521.421823**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001108** ACF DF5 51A02 Sample ID: AC **Batchnumber: 171420036A**
Sample Amount: 10.43 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 24, 2017 18:35:42
Instrument : CP20--17342A
Result file : 20PCBS17137006.129.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	32.46	
4.73	4.76	4.77	1084721	1240.780694			1
5.03	5.05	5.07	1162676	2406.981176			2
5.20	5.23	5.24	720354.2	1273.608429			3
+ 5.37	5.37	5.41	100823.9	156.231012			4
5.37	5.39	5.41	649692.1	1006.726128			4
5.61	5.63	5.65	2399234	1533.648716			5
5.82	5.84	5.86	1361285	1548.993217			6
Height Summation:			**7377962.3**				
Amount Avg CF:			**1501.789727**	Linear:			
Aroclor-1262					6	30.68	
5.21	5.23	5.24	720354.2	691.736314			1
+ 5.37	5.37	5.41	100823.9	119.84594			2
5.37	5.39	5.41	649692.1	772.266897			2
E 5.61	5.63	5.65	2399234	1179.939484			3
E 5.81	5.84	5.85	1361285	1211.402378			4
5.87	5.88	5.91	316567.4	568.674093			5
6.25	6.27	6.29	525606.2	776.095049			6
Height Summation:			**5972738.9**				
Amount Avg CF:			**866.685702**	Linear:			
Aroclor-1268					6	115.11	
5.81	5.84	5.85	1361285	544.774883			1
5.87	5.88	5.91	316567.4	145.198316			2
6.00	6.02	6.04	22698.88	11.165254			3
6.07	6.08	6.11	40028.47	85.88233			4
6.25	6.27	6.29	525606.2	625.925804			5
6.45	6.47	6.49	113951.5	17.340334			6
Height Summation:			**2380137.45**				
Amount Avg CF:			**238.381154**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 18:35:42
Instrument : CP20--17342B
Result file : 20PCBS17137006B.129.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	78.58	
4.16	4.17	4.19	2263282	518.990509			1
4.22	4.24	4.26	5797476	749.23837			2
4.31	4.33	4.35	8038574	2233.224859			3
4.38	4.40	4.42	4706274	904.768803			4
4.44	4.46	4.48	11191960	3736.312885			5
4.60	4.62	4.64	4384452	1201.460002			6
Height Summation:			**36382018**				
Amount Avg CF:			**1557.332571**	Linear:			
Aroclor-1260					6	10.03	
4.31	4.33	4.35	8038574	1364.886122			1
4.44	4.46	4.48	11191960	1611.434255			2
4.55	4.57	4.59	7386790	1321.903736			3
4.90	4.91	4.94	5312360	1236.766229			4
5.09	5.11	5.13	15115620	1550.66236			5
5.35	5.37	5.39	9598194	1471.915106			6
Height Summation:			**56643498**				
Amount Avg CF:			**1426.261301**	Linear:			
Aroclor-1262					6	37.26	
4.71	4.73	4.75	3762241	556.442353			1
4.90	4.91	4.94	5312360	789.856583			2
E 5.09	5.11	5.13	15115620	1181.558041			3
5.31	5.32	5.35	2273940	428.961511			4
E 5.35	5.37	5.39	9598194	1124.890623			5
5.73	5.75	5.77	3468323	751.085805			6
Height Summation:			**39530678**				
Amount Avg CF:			**805.465819**	Linear:			
Aroclor-1268					6	124.72	
5.31	5.32	5.35	2273940	131.712181			1
5.35	5.37	5.39	9598194	549.109941			2
5.51	5.52	5.55	157162.7	10.46571			3
5.57	5.59	5.61	87816.97	24.187106			4
+ 5.57	5.61	5.61	8934.091	2.460684			4
5.73	5.75	5.77	3468323	589.478152			5
5.93	5.95	5.97	692829.6	15.493701			6
Height Summation:			**16278266.27**				
Amount Avg CF:			**220.074465**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			244.487	47.4592		** 53.38	4	40	
Aroclor-1221			244.487	73.3461		** 110.97	3	5	
Aroclor-1232			244.487	58.9645		** 52.69	4	10	
Aroclor-1242			244.487	58.9645		** 54.27	4	30	
Aroclor-1248			244.487	47.4592		4.46	4	40	
Aroclor-1254			244.487	63.279		14.38	4	40	
Aroclor-1260			244.487	56.0882		5.16	4	40	
Aroclor-1262			244.487	47.4592	E	7.32	4	40	
Aroclor-1268			244.487	47.4592		7.99	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001108ACF DF5 AC51A02 T 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 6:35:42 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: 20pcbs17137006.129.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.036		6015	7094
2.096		8730	10035
2.129		7771	6095
2.197		61705	47406
2.309		10852	7177
2.38		4117	6470
2.422		2521	2785
2.494		1107	1270
2.568		1952	3623
2.627		2651	1558
2.647		33286	20979
2.774		4532	3487
2.827		2424	1567
2.924	TCX	660221	456098
3.036		6610	4069
3.123		1779	1547
3.19		3095	3249
3.229		109886	62960
3.242		30834	13263
3.362		1975	1583
3.396		3914	4051
3.489		1094	1664
3.513		3822	3356
3.586		3954	2896
3.639		679	1019
3.666		7485	4660
3.695		11778	11604
3.733		15819	13310
3.788		4876	4160
3.854		64797	48474
3.881		29869	19406
3.903		44654	28701
3.978		35740	25889
4.003		8013	5329
4.033		13702	9744
4.068		37117	34581
4.11		12627	10315
4.138		4605	3029
4.16		2146	1729
4.19		16429	13184
4.227		257325	193158
4.247		74915	43948
4.271		148332	111739
4.338		108541	88988
4.381		597653	571338
4.415		252553	209654
4.455		21098	14954
4.478		28234	20471
4.521		197188	180853
4.573		281374	286661
4.603		108892	67502
4.633		915140	795377
4.679		382626	430469
4.717		172474	129292

RT A	Compound A	Height A	Area A
4.756		1084721	982849
4.807		80159	71760
4.847		753614	712607
4.877		11509	6082
4.903		235906	220922
4.955		1595052	1953617
5.005		196676	175250
5.049		1162677	1121251
5.091		64976	47583
5.127		159215	191861
5.164		2121919	1982538
5.186		87172	41074
5.226		720354	616716
5.269		503846	489337
5.315		2852	3104
5.374		100824	73835
5.391		649692	508607
5.45		428336	386751
5.489		253680	228660
5.528		42855	41559
5.575		405275	362961
5.601		27496	15652
5.631		2399235	2297825
5.719		4184	4387
5.793		2814	2141
5.837		1361285	1353287
5.878		316567	650781
6.021		22699	32669
6.084		40028	29935
6.109		213134	189099
6.176		2096	2135
6.266		525606	532118
6.311		38698	36746
6.466		113952	114687
6.542		1633	1396
6.611	DCB	443028	489421
6.689		3580	3675
7.13		1521	2865
7.774		2580	4140
8.029		3835	5772
8.57		476	602
8.626		632	711
8.683		3666	4314

LANCASTER LABORATORIES

Sample Number: 9001108ACF DF5 AC51A02 T 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 6:35:42 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: 20pcbs17137006B.129.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		1591	1082
2.113		19844	20288
2.156		15650	12148
2.184		6715	8542
2.237		23161	33492
2.32		12080	13347
2.364		210499	146360
2.395		11270	9370
2.475		3758	2362
2.531		8522	9891
2.545		7982	3358
2.566		4260	2916
2.591		7359	4349
2.614	TCX	4137443	2416052
2.674		4419	1986
2.704		9103	15400
2.784		40834	22699
2.848		12824	17400
2.879		10946	7854
2.911		99921	50718
2.921		619808	288798
2.947		4043	2707
2.986		13822	11532
3.033		8654	4526
3.106		20597	29319
3.18		12414	11240
3.201		7371	3475
3.225		31154	18907
3.263		24039	18685
3.324		92501	66893
3.355		3161	1676
3.383		80868	62672
3.403		53934	27834
3.433		72338	41939
3.491		47697	38142
3.526		460656	281145
3.549		274383	149565
3.567		340124	187863
3.652		275103	172680
3.675		61719	32355
3.696		111297	95111
3.724		49032	22442
3.741		245609	143734
3.78		76025	62116
3.822		90059	75893
3.852		247176	145714
3.874		2425258	1605841
3.899		734329	432709
3.919		339669	176703
3.938		588784	372107
3.973		3846825	2597553
4.005		1839137	1195199
4.022		301009	137950
4.038		67753	60131

RT B	Compound B	Height B	Area B
4.083		221372	177954
4.118		1218813	871303
4.145		122915	97136
4.175		2263283	1665646
4.208		1114453	927725
4.235		5797476	5429482
4.274		1221939	1212076
4.326		8038574	6266352
4.364		606343	501060
4.396		4706275	3197128
4.42		1942901	1332210
4.463		11191960	8610874
4.517		56486	39626
4.566		7386790	7090760
4.615		4384452	3605372
4.657		2329182	2002028
4.694		13670910	11379730
4.726		3762241	2502590
4.765		3380182	2568810
4.838		146775	148271
4.864		699396	454347
4.881		331058	175672
4.915		5312360	4056467
4.939		2127577	1445373
4.989		3020996	2663223
5.025		1652596	1326691
5.055		1143763	914171
5.086		1011297	634153
5.109		15115620	12063970
5.151		330091	230339
5.183		389782	324959
5.225		7884	4563
5.247		21392	13691
5.301		116765	74648
5.325		2273940	1902464
5.369		9598194	10065520
5.468		6649	7412
5.525		157163	136638
5.57		320960	258378
5.593		87817	56217
5.613		8934	3857
5.643		1524916	1250220
5.684		7378	6535
5.722		7784	5052
5.748		3468323	2862653
5.78		206481	154058
5.948		692830	613237
6.028		3357	3097
6.107	DCB	2731230	2489514
6.142		7503	5022
6.282		18587	14112
6.309		25646	20092
6.37		3507	3328
6.527		6232	6862
6.583		7153	8363
6.78		2249	2300
7.013		12483	13486
7.13		2515	2822
7.24		2198	2233
7.298		2870	5022
7.431		2268	4903
7.557		16061	20859
7.666		1544	874
7.716		2816	5005
7.844		1356	1023
7.919		1921	3310

RT B	Compound B	Height B	Area B
8.049		2162	2579
8.115		3420	7276
8.215		19011	33537
8.432		6821	10774

9001108ACF DF5 AC51A02 T 171420036A 10225 SW-846 8082

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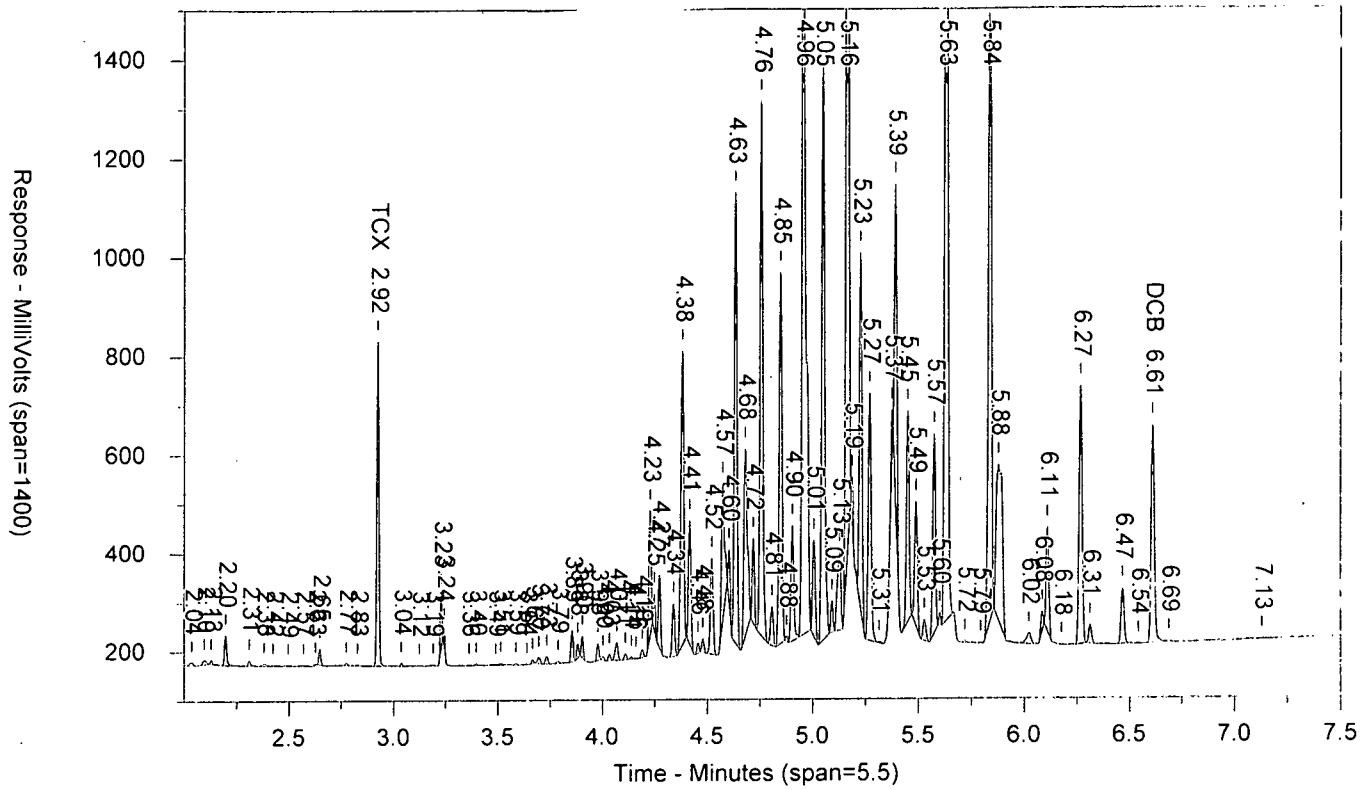

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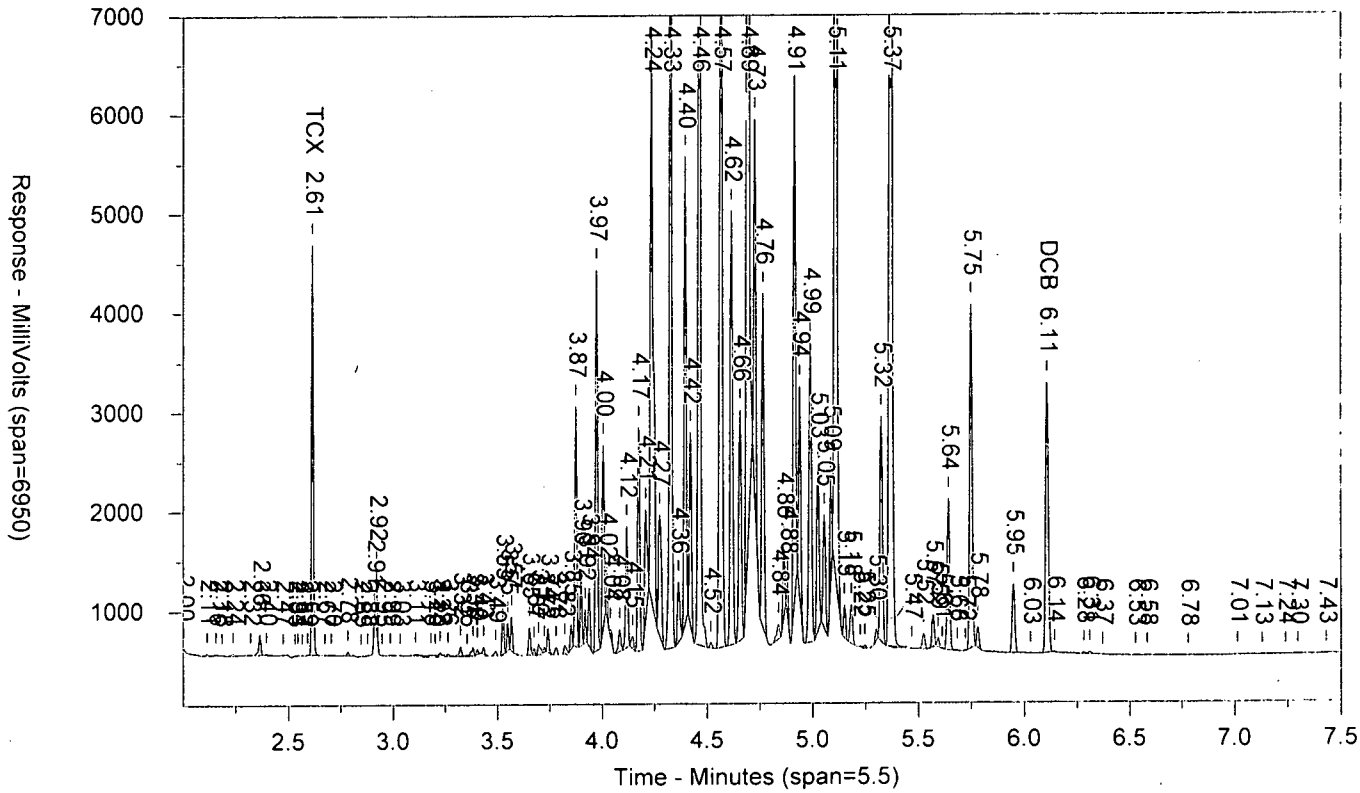

LANCASTER LABORATORIES

Sample Number: 9001108ACF DF5 AC51A02 T 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 6:35:42 PM Sample Weight: 10.43
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	660221	27.851	TCX	2.614	4137443	28.691	TCX
6.611	443028	30.862	DCB	6.107	2731230	26.875	DCB

Files:
Area File: 20pcbs17137006.129.RAW
Area File: 20pcbs17137006B.129.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 6:44:27 PM
File Reported On: 5/24/2017 at 6:44:33 PM

9001108ACF DF5 AC51A02 T 171420036A 10225 SW-846 8082

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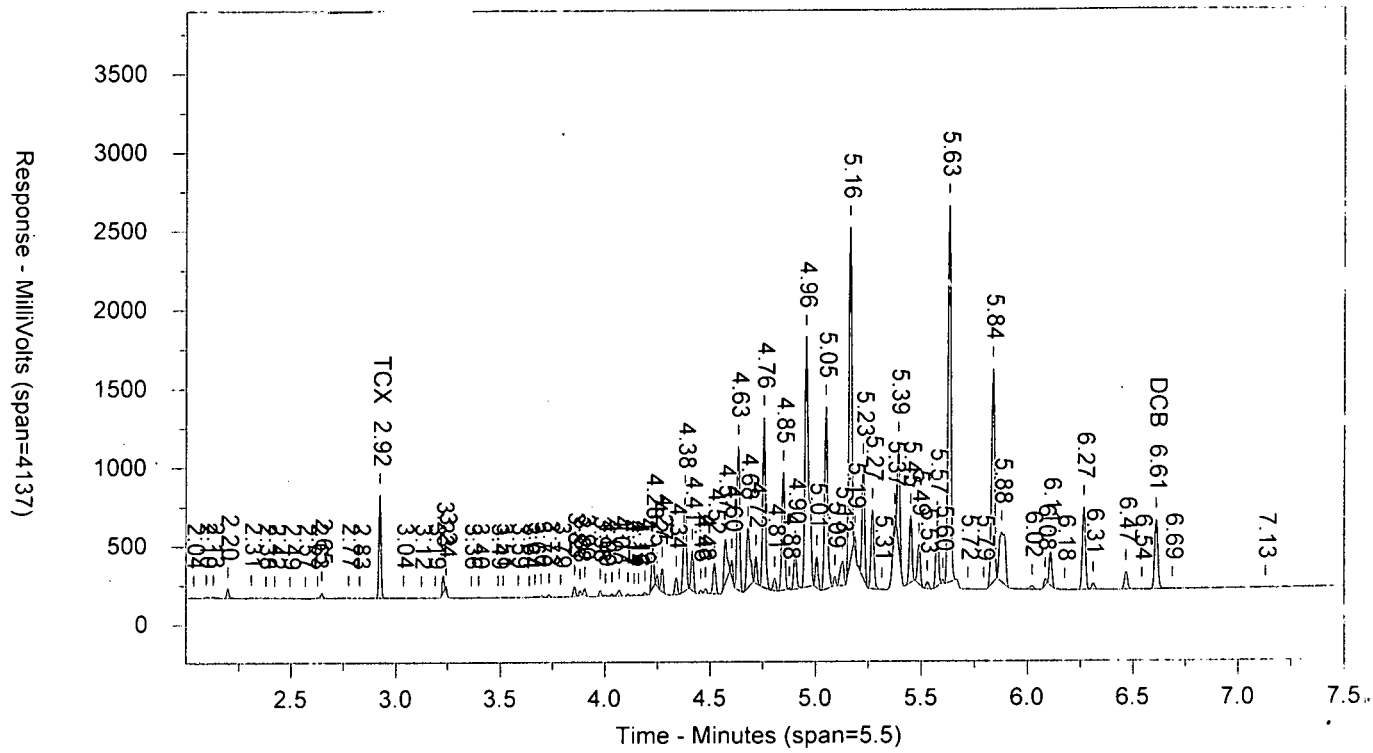

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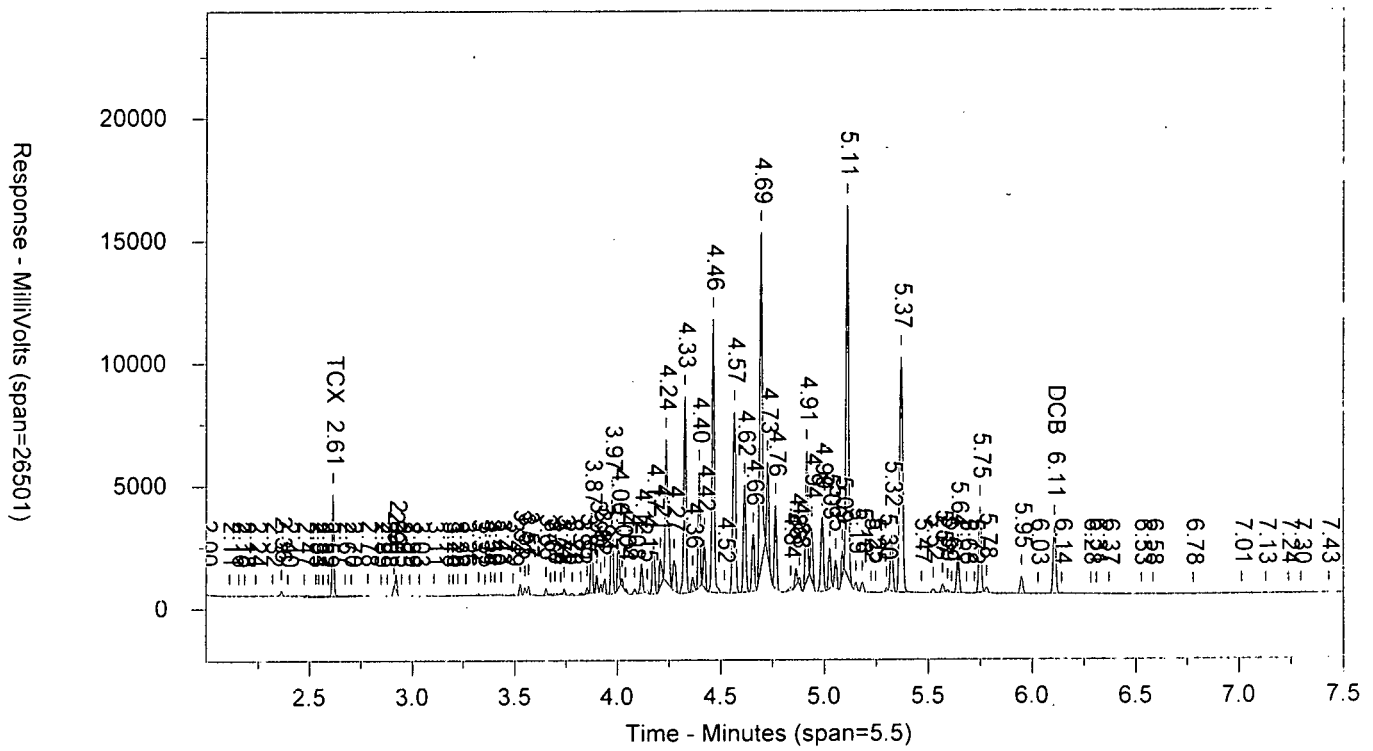

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Data Summary

Sample Name: 9001109 ACF DF10 51A03 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 08:01:27
Instrument	17342A
Result file	20PCBS17137007.064.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 109% (61 - 152) Conc: 31.27208
%SSR(DCB) 117% (48 - 164) Conc: 33.46745

Analysis Report (B)

Injected on	May 25, 2017 08:01:27
Instrument	17342B
Result file	20PCBS17137007B.064.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 106% (61 - 152) Conc: 30.40269
%SSR(DCB) 116% (48 - 164) Conc: 33.19212

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	363196	31.27208
Decachlorobiphenyl	6.58	6.62	6.64	235378	33.46745

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	2148004	30.40269
Decachlorobiphenyl	6.08	6.11	6.14	1652624	33.19212

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	31.27208				2.82	
☑ Decachlorobiphenyl	A	33.46745				0.83	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.67**	
4.73	4.76	4.77	1132082	2643.128472			1
5.20	5.23	5.24	768821.9	2774.46331			3
5.37	5.39	5.41	775030.1	2451.23942			4
5.61	5.63	5.65	2613886	3410.384447			5
5.82	5.84	5.86	1438705	3341.45501			6

Height summation: **6728525**
Concentration CF: **2924.134132** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.64**	
4.31	4.33	4.35	8729803	3025.417088			1
4.44	4.46	4.48	11378770	3343.991536			2
4.55	4.57	4.59	8215148	3000.702069			3
4.90	4.92	4.94	5884328	2796.149586			4
5.09	5.11	5.13	16890460	3536.683249			5
5.35	5.37	5.39	10590400	3314.889154			6

Height summation: **61688909**
Concentration CF: **3169.63878** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<499.0215	<96.8689			4	
☑ PCB-1221			<499.0215	<149.7065			3	
☑ PCB-1232			<499.0215	<120.3523			4	
☑ PCB-1242			<499.0215	<120.3523			4	
☑ PCB-1248			<499.0215	<96.8689			4	
☑ PCB-1254			<499.0215	<129.1585			4	
☑ PCB-1260	B	3169.63878	499.0215	114.4814		8.06	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001109** ACF DF10 51A03 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:01:27
Instrument : CP20--17342A
Result file : 20PCBS17137007.064.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 109% (61-152) Conc.: 31.27208 Pass
%SSR(DCB) : 117% (48-164) Conc.: 33.46745

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	72.46	
3.16	3.18	3.20	5630.421	26.849698			1
3.37	3.40	3.41	7222.087	33.727661			2
3.49	3.51	3.53	9649.99	40.028988			3
3.71	3.73	3.75	42058.98	157.468525			4
3.76	3.79	3.80	15476.58	70.843048			5
+ 3.96	3.96	4.00	740.7338	4.228695			6
3.96	3.98	4.00	23880.94	136.331318			6
Height Summation:			**103918.998**				
Amount Avg CF:			**77.541539**	Linear:			
Aroclor-1221					2	29.08	
3.06	3.08	3.10	3059.738	30.459012			1
3.16	3.18	3.20	5630.421	20.068897			3
Height Summation:			**8690.159**				
Amount Avg CF:			**25.263955**	Linear:			
Aroclor-1232					6	81.12	
3.16	3.18	3.20	5630.421	22.373116			1
3.38	3.40	3.42	7222.087	71.318963			2
+ 3.38	3.42	3.42	3255.016	32.143668			2
3.49	3.51	3.53	9649.99	86.849069			3
3.71	3.73	3.75	42058.98	348.937698			4
3.77	3.79	3.81	15476.58	163.778014			5
+ 3.96	3.96	4.00	740.7338	10.140366			6
3.96	3.98	4.00	23880.94	326.921042			6
Height Summation:			**103918.998**				
Amount Avg CF:			**170.029651**	Linear:			
Aroclor-1242					6	72.70	
3.16	3.18	3.20	5630.421	31.341553			1
3.38	3.40	3.42	7222.087	40.711386			2
3.49	3.51	3.53	9649.99	49.678458			3
3.71	3.73	3.75	42058.98	192.472036			4
3.77	3.79	3.81	15476.58	90.45873			5
+ 3.96	3.96	4.00	740.7338	5.296071			6
3.96	3.98	4.00	23880.94	170.743046			6
Height Summation:			**103918.998**				
Amount Avg CF:			**95.900868**	Linear:			
Aroclor-1248					6	183.36	
3.76	3.79	3.80	15476.58	130.48209			1
3.83	3.86	3.87	42505.53	197.054061			2
+ 3.96	3.96	4.00	740.7338	2.915896			3
3.96	3.98	4.00	23880.94	94.00723			3
4.05	4.06	4.09	50915.53	241.104757			4
4.23	4.23	4.27	190096.6	759.894589			5
+ 4.23	4.25	4.27	98500.34	393.746524			5
4.61	4.64	4.65	958117.1	5224.699167			6
Height Summation:			**1280992.28**				
Amount Avg CF:			**1107.873649**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:01:27
Instrument : CP20--17342B
Result file : 20PCBS17137007B.064.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 106% (61-152) Conc.: 30.40269
%SSR(DCB) : 116% (48-164) Conc.: 33.19212

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	76.19	
2.88	2.91	2.92	453455.5	392.385066			1
3.21	3.23	3.25	58487.45	40.725924			2
+ 3.21	3.24	3.25	9169.214	6.384698			2
+ 3.40	3.40	3.44	13018.12	9.021188			3
3.40	3.42	3.44	175337	121.503573			3
3.47	3.49	3.51	127609.6	74.776091			4
3.63	3.65	3.67	207972.8	145.047795			5
3.72	3.73	3.76	320077.1	260.513509			6
+ 3.72	3.74	3.76	164600.7	133.969928			6
Height Summation:			**1342939.45**				
Amount Avg CF:			**172.491993**	Linear:			
Aroclor-1221					3	101.36	
2.77	2.78	2.81	60531.82	99.251492			1
2.83	2.85	2.87	7856.089	20.896154			2
2.88	2.91	2.92	453455.5	290.750375			3
Height Summation:			**521843.409**				
Amount Avg CF:			**136.966007**	Linear:			
Aroclor-1232					6	67.42	
2.88	2.91	2.92	453455.5	321.176688			1
3.21	3.23	3.25	58487.45	85.713831			2
+ 3.21	3.24	3.25	9169.214	13.437557			2
+ 3.40	3.40	3.44	13018.12	21.32451			3
3.40	3.42	3.44	175337	287.213173			3
3.47	3.49	3.51	127609.6	170.142262			4
+ 3.66	3.68	3.70	66733.09	325.802313			5
3.66	3.70	3.70	145938.4	712.49613			5
3.73	3.73	3.77	320077.1	596.038976			6
+ 3.73	3.74	3.77	164600.7	306.515001			6
Height Summation:			**1280905.05**				
Amount Avg CF:			**362.130177**	Linear:			
Aroclor-1242					6	72.44	
2.88	2.91	2.92	453455.5	456.350656			1
3.21	3.23	3.25	58487.45	49.285988			2
+ 3.21	3.24	3.25	9169.214	7.726679			2
+ 3.40	3.40	3.44	13018.12	11.155452			3
3.40	3.42	3.44	175337	150.249307			3
3.47	3.49	3.51	127609.6	95.677494			4
3.64	3.65	3.68	207972.8	189.386942			5
3.73	3.73	3.77	320077.1	325.404121			6
+ 3.73	3.74	3.77	164600.7	167.340138			6
Height Summation:			**1342939.45**				
Amount Avg CF:			**211.059085**	Linear:			
Aroclor-1248					6	173.42	
+ 3.40	3.40	3.44	13018.12	22.873167			1
3.40	3.42	3.44	175337	308.071554			1
3.51	3.53	3.55	295919.4	184.348247			2
3.63	3.65	3.67	207972.8	103.700842			3
3.72	3.73	3.76	320077.1	221.031499			4
+ 3.72	3.74	3.76	164600.7	113.666174			4
3.86	3.88	3.90	2097404	764.682192			5
4.22	4.24	4.26	5813574	4793.838966			6
Height Summation:			**8910284.3**				
Amount Avg CF:			**1062.612217**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001109** ACF DF10 51A03 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:01:27
Instrument : CP20--17342A
Result file : 20PCBS17137007.064.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	89.36	
4.21	4.23	4.25	190096.6	644.505397			1
4.55	4.58	4.59	219413.7	740.221925			2
4.61	4.64	4.65	958117.1	1600.411948			3
4.73	4.76	4.77	1132082	6300.03198			4
4.83	4.85	4.87	807553.1	2041.209423			5
5.14	5.17	5.18	2429829	5978.949598			6
Height Summation:			**5737091.5**				
Amount Avg CF:			**2884.221712**	Linear:			
Aroclor-1260					6	29.89	
4.73	4.76	4.77	1132082	2643.128472			1
5.03	5.05	5.07	1217690	5145.340663			2
+ 5.20	5.21	5.24	24267.36	87.574118			3
5.20	5.23	5.24	768821.9	2774.46331			3
+ 5.37	5.38	5.41	132062.5	417.682882			4
5.37	5.39	5.41	775030.1	2451.23942			4
5.61	5.63	5.65	2613886	3410.384447			5
5.82	5.84	5.86	1438705	3341.45501			6
Height Summation:			**7946215**				
Amount Avg CF:			**3294.33522**	Linear:			
Aroclor-1262					6	28.81	
+ 5.21	5.21	5.24	24267.36	47.564225			1
5.21	5.23	5.24	768821.9	1506.897237			1
+ 5.37	5.38	5.41	132062.5	320.407561			2
5.37	5.39	5.41	775030.1	1880.363496			2
E 5.61	5.63	5.65	2613886	2623.838969			3
E 5.81	5.84	5.85	1438705	2613.211279			4
5.87	5.88	5.91	357951.5	1312.456292			5
6.25	6.27	6.29	564988.9	1702.776929			6
Height Summation:			**6519383.4**				
Amount Avg CF:			**1939.924033**	Linear:			
Aroclor-1268					6	115.01	
5.81	5.84	5.85	1438705	1175.176716			1
5.87	5.88	5.91	357951.5	335.106603			2
6.00	6.03	6.04	26046.09	26.149905			3
6.07	6.09	6.11	40037.93	175.335499			4
6.25	6.27	6.29	564988.9	1373.300885			5
6.45	6.47	6.49	114531	35.573277			6
Height Summation:			**2542260.42**				
Amount Avg CF:			**520.107148**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:01:27
Instrument : CP20--17342B
Result file : 20PCBS17137007B.064.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	80.62	
4.16	4.18	4.19	1823514	853.47982			1
4.22	4.24	4.26	5813574	1533.513713			2
4.31	4.33	4.35	8729803	4950.183419			3
4.38	4.40	4.42	4844312	1900.885351			4
4.44	4.46	4.48	11378770	7753.46473			5
4.60	4.62	4.64	4450276	2489.111503			6
Height Summation:			**37040249**				
Amount Avg CF:			**3246.773089**	Linear:			
Aroclor-1260					6	8.64	
4.31	4.33	4.35	8729803	3025.417088			1
4.44	4.46	4.48	11378770	3343.991536			2
4.55	4.57	4.59	8215148	3000.702069			3
4.90	4.92	4.94	5884328	2796.149586			4
5.09	5.11	5.13	16890460	3536.683249			5
5.35	5.37	5.39	10590400	3314.889154			6
Height Summation:			**61688909**				
Amount Avg CF:			**3169.63878**	Linear:			
Aroclor-1262					6	37.84	
4.71	4.73	4.75	4089083	1234.419861			1
4.90	4.92	4.94	5884328	1785.751506			2
E 5.09	5.11	5.13	16890460	2694.846176			3
5.31	5.33	5.35	2525056	972.240589			4
E 5.35	5.37	5.39	10590400	2533.357875			5
5.73	5.75	5.77	3781703	1671.555668			6
Height Summation:			**43761030**				
Amount Avg CF:			**1815.361946**	Linear:			
Aroclor-1268					6	123.74	
5.31	5.33	5.35	2525056	298.52545			1
5.35	5.37	5.39	10590400	1236.646448			2
5.51	5.53	5.55	198020.8	26.914942			3
5.57	5.59	5.61	104457.5	58.723036			4
5.73	5.75	5.77	3781703	1311.89478			5
5.93	5.95	5.97	807944.4	36.878532			6
Height Summation:			**18007581.7**				
Amount Avg CF:			**494.930531**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			499.0215	96.8689		** 75.95	4	40	
Aroclor-1221			499.0215	149.7065		** 137.71	3	5	
Aroclor-1232			499.0215	120.3522		** 72.20	4	10	
Aroclor-1242			499.0215	120.3522		** 75.03	4	30	
Aroclor-1248			499.0215	96.8689		4.17	4	40	
Aroclor-1254			499.0215	129.1585		11.83	4	40	
Aroclor-1260			499.0215	114.4814		3.86	4	40	
Aroclor-1262			499.0215	96.8689	E	6.63	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001109** ACF DF10 51A03 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.22 g Total Volume: 100 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:01:27
Instrument : CP20--17342A
Result file : 20PCBS17137007.064.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 25, 2017 08:01:27
Instrument : CP20--17342B
Result file : 20PCBS17137007B.064.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			499.0215	96.8689		4.96	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001109ACF DF10 AC51A03 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:01:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.064.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.004		716	355
2.037		3530	3936
2.103		2034	2878
2.129		8607	6775
2.197		36854	27519
2.309		4142	2668
2.381		3134	3670
2.567		1323	1293
2.626		2111	1133
2.648		21671	13661
2.828		1087	699
2.871		679	669
2.925	TCX	363196	240498
3.037		7555	4878
3.078		3060	2765
3.182		5630	5337
3.23		53942	29114
3.244		96219	49363
3.278		1191	840
3.317		1136	714
3.398		7222	4642
3.416		3255	3585
3.469		7289	6413
3.515		9650	6877
3.565		1496	1126
3.589		23484	16430
3.625		1570	1062
3.695		17004	19150
3.733		42059	32774
3.788		15477	12070
3.831		1323	800
3.858		42506	30472
3.893		61181	62220
3.931		4425	3685
3.961		741	407
3.982		23881	16810
4.005		5599	3565
4.037		17370	11247
4.062		50916	61040
4.112		9349	7220
4.141		3621	1930
4.157		6217	3937
4.193		17032	12210
4.23		190097	139343
4.251		98500	62041
4.275		130394	96107
4.342		86662	75423
4.384		493248	469937
4.419		243823	197002
4.459		17277	12079
4.482		26848	19253
4.523		234762	238957
4.577		219414	232929
4.607		109213	66948

RT A	Compound A	Height A	Area A
4.638		958117	807697
4.683		436131	465342
4.721		176169	136990
4.759		1132083	1068016
4.81		82228	82387
4.852		807553	770756
4.88		19690	11624
4.907		248163	228135
4.959		1621213	2080768
5.008		223962	194231
5.052		1217690	1173568
5.095		74199	55174
5.131		166219	201990
5.167		2429829	2153508
5.189		82161	40465
5.206		24267	9377
5.23		768822	668563
5.273		527430	531325
5.327		6773	5663
5.377		132063	104451
5.395		775030	593832
5.452		459986	415048
5.493		271687	243148
5.533		48963	43870
5.578		413230	364551
5.605		30074	17878
5.634		2613886	2446495
5.724		5499	5425
5.758		1846	1374
5.804		1288	792
5.841		1438705	1455768
5.879		357952	684712
6.026		26046	40622
6.089		40038	30531
6.113		214388	198530
6.239		1190	1069
6.271		564989	551144
6.317		37756	36754
6.386		1202	1521
6.471		114531	120824
6.618	DCB	235378	261592
6.695		4994	4765
6.887		804	727
6.925		1348	1569
6.978		813	612
7.285		599	736
7.781		3670	5241
8.035		3067	6599
8.099		898	883
8.246		577	309
8.585		708	448
8.684		2889	4127

LANCASTER LABORATORIES

Sample Number: 9001109ACF DF10 AC51A03 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:01:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.064.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.11		10950	14105
2.156		20613	13858
2.184		3720	4008
2.241		8884	15463
2.277		2856	2721
2.319		13038	13599
2.363		142960	102502
2.394		4122	2509
2.535		4667	3761
2.567		4402	4552
2.59		2715	1776
2.614	TCX	2148004	1284387
2.661		3079	1489
2.704		5377	10281
2.784		60532	36172
2.848		7856	8160
2.877		5526	3940
2.91		453456	208603
2.921		277847	103596
3.009		8039	8143
3.033		20219	11514
3.105		26575	12571
3.116		13425	13519
3.177		48011	29358
3.201		7824	3964
3.227		58487	36771
3.243		9169	3882
3.263		164691	99575
3.309		13937	7727
3.324		17096	9132
3.384		111559	98197
3.404		13018	5270
3.42		175337	182173
3.493		127610	87391
3.527		295919	184730
3.551		512363	294413
3.568		90168	37843
3.585		70000	41844
3.654		207973	140776
3.676		66733	35068
3.698		145938	91835
3.727		320077	175431
3.743		164601	78871
3.78		109435	95995
3.831		201813	190143
3.854		250232	160145
3.876		2097404	1363466
3.901		692716	425196
3.921		260253	132995
3.94		550666	335155
3.975		3107947	2123871
4.007		1824712	1172964
4.023		259849	111883
4.085		178913	136375

RT B	Compound B	Height B	Area B
4.119		1211627	1193346
4.148		163720	121696
4.176		1823514	1350005
4.21		1137082	1004853
4.237		5813575	5668864
4.276		1336684	1318157
4.328		8729803	6689144
4.366		711048	553520
4.398		4844312	3401921
4.422		1951423	1362684
4.465		11378770	9016388
4.518		20615	14428
4.568		8215148	7784840
4.617		4450277	3607581
4.659		2559586	2206189
4.696		14874170	12483340
4.728		4089083	2861987
4.766		3644676	2788056
4.825		33146	18966
4.839		31670	15698
4.866		784959	516449
4.882		277188	156554
4.917		5884329	4529314
4.941		2353126	1615271
4.991		3520187	2998710
5.026		1830441	1468932
5.056		1207663	1010728
5.088		1032386	641449
5.111		16890460	13725200
5.152		334506	231445
5.184		474058	403915
5.225		9554	6541
5.247		29042	21655
5.282		16081	9832
5.302		131700	80996
5.326		2525056	2127875
5.371		10590400	11427980
5.473		8038	8727
5.526		198021	164910
5.571		358291	286885
5.595		104458	66514
5.616		16116	7964
5.644		1713466	1454489
5.687		12148	9995
5.722		8945	5295
5.75		3781703	3236971
5.782		229020	171858
5.95		807944	688417
5.998		3845	2943
6.066		3368	2534
6.109	DCB	1652624	1441084
6.146		7981	5947
6.284		24934	18854
6.312		27510	22884
6.349		4021	2777
6.379		5364	4759
6.478		2830	3620
6.529		7271	7636
6.589		8461	11314
6.737		2436	1705
6.952		3563	3348
7.015		23633	25915
7.196		1689	3133
7.241		2482	2860
7.304		3472	6977
7.47		3171	4794

RT B	Compound B	Height B	Area B
7.558		17320	20313
7.606		3609	4352
7.716		2845	3866
7.931		2251	4261
8.118		5466	10187
8.222		21324	40914
8.437		8107	13331
8.679		2670	2425

9001109ACF DF10 AC51A03 T 171430031A 10225 SW-846 8082

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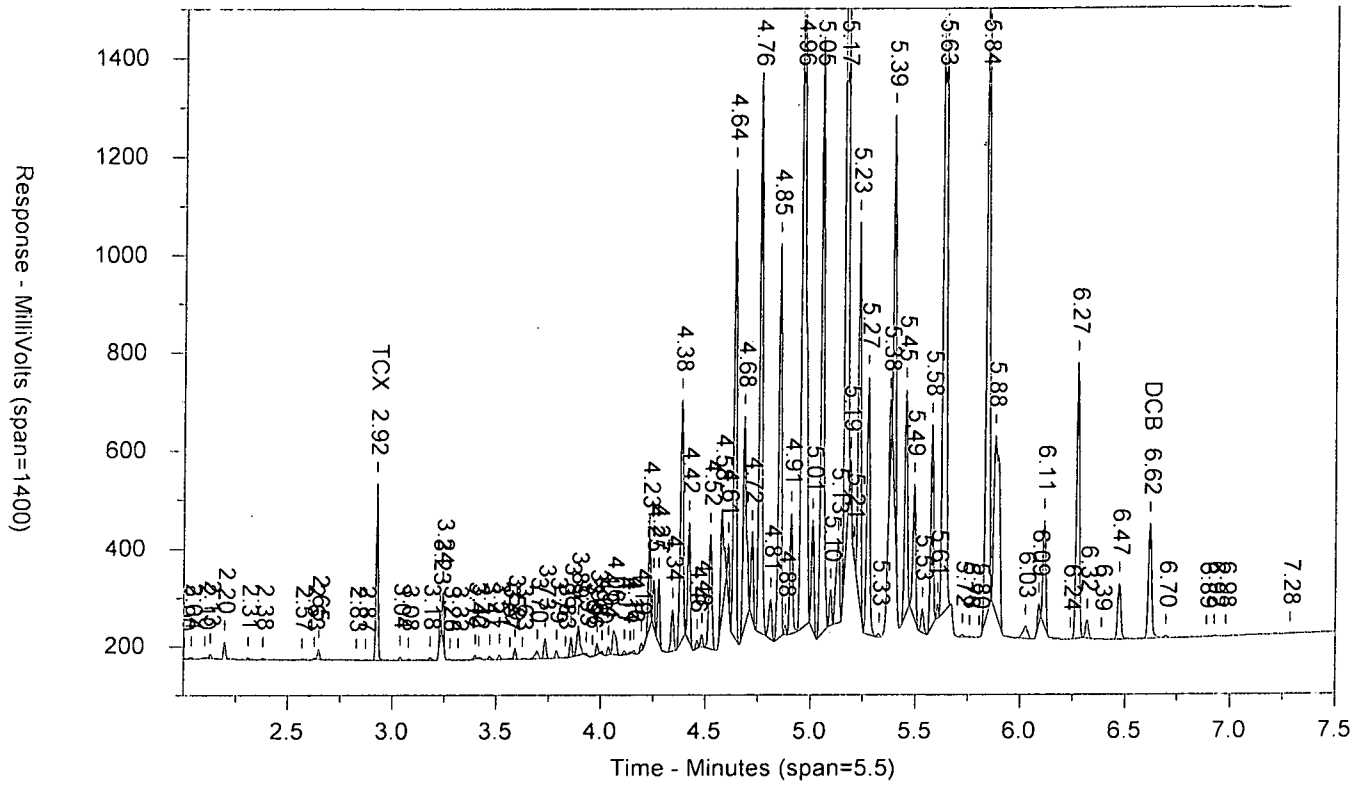

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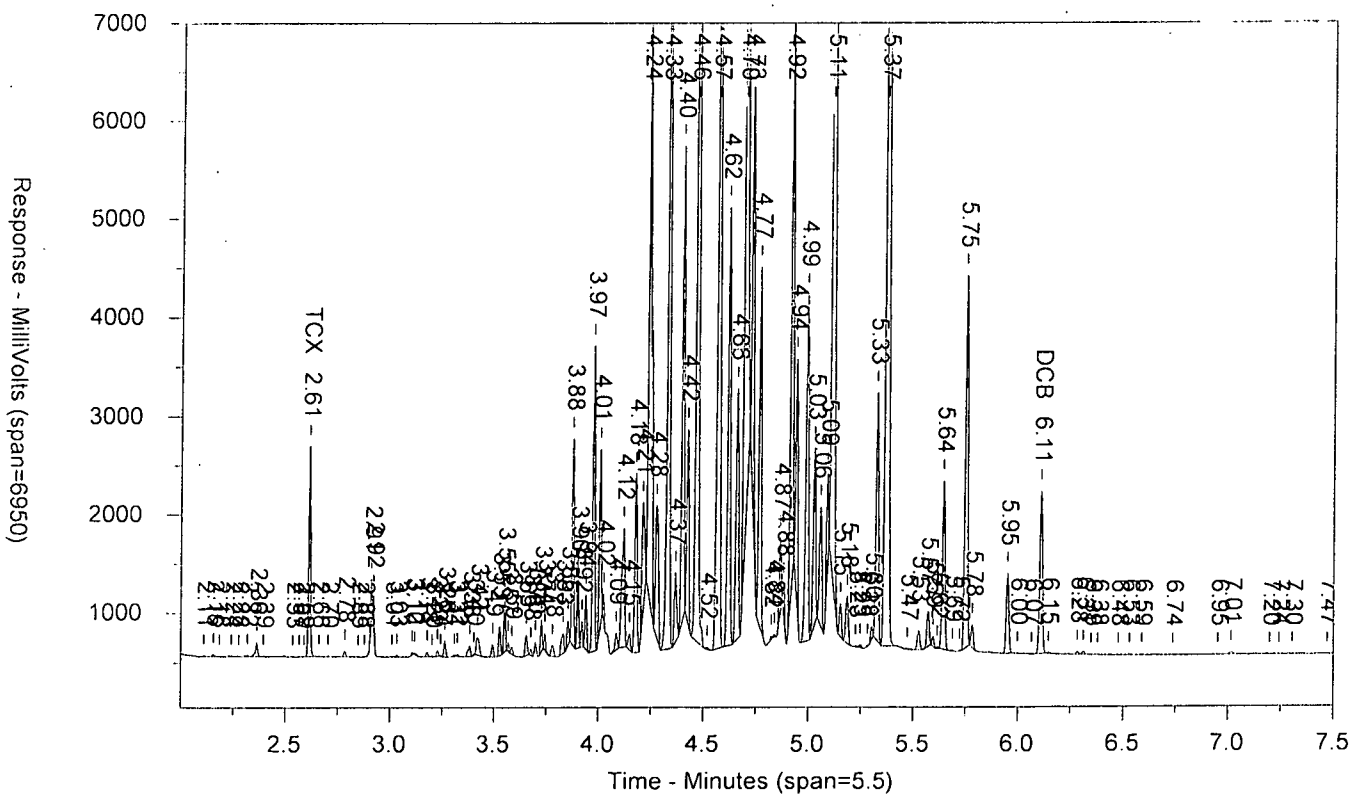

LANCASTER LABORATORIES

Sample Number: 9001109ACF DF10 AC51A03 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:01:27 AM Sample Weight: 10.22
Instrument ID: CP20-17342 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	363196	31.272	TCX	2.614	2148004	30.403	TCX
6.618	235378	33.467	DCB	6.109	1652624	33.192	DCB

Files:
Area File: 20pcbs17137007.064.RAW
Area File: 20pcbs17137007B.064.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 8:10:11 AM
File Reported On: 5/25/2017 at 8:10:21 AM

9001109ACF DF10 AC51A03 T 171430031A 10225 SW-846 8082

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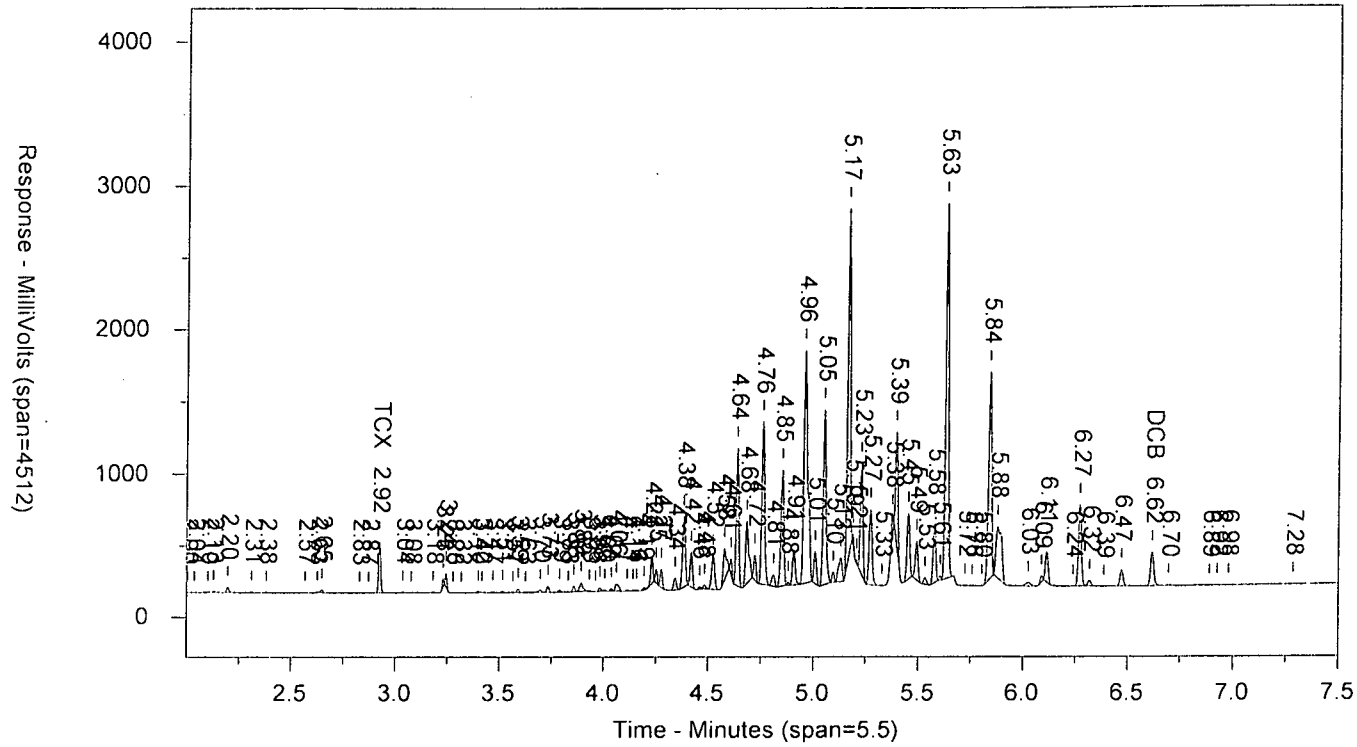

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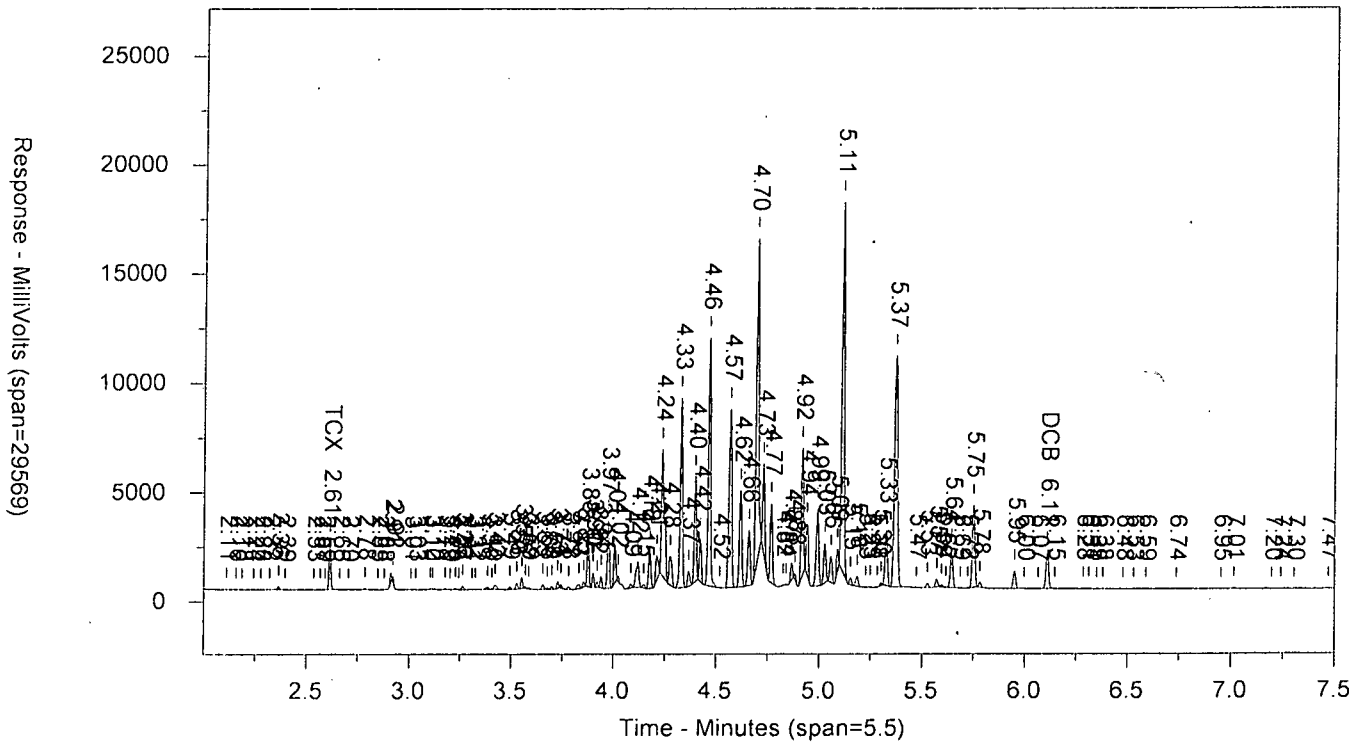

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Data Summary

Sample Name: 9001110 ACF 51A04 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.25 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 08:12:55
Instrument	17342A
Result file	20PCBS17137007.065.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 102% (61 - 152) Conc: 29.07849
%SSR(DCB) 98% (48 - 164) Conc: 27.91646

Analysis Report (B)

Injected on	May 25, 2017 08:12:55
Instrument	17342B
Result file	20PCBS17137007B.065.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 28.17324
%SSR(DCB) 97% (48 - 164) Conc: 27.62936

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3387106	29.07849
Decachlorobiphenyl	6.58	6.61	6.64	1969137	27.91646

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	19963320	28.17324
Decachlorobiphenyl	6.08	6.11	6.14	13796940	27.62936

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	29.07849				3.16	
☑ Decachlorobiphenyl	A	27.91646				1.03	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.20**	
4.73	4.76	4.77	380456.2	88.567031			1
5.03	5.05	5.07	365188.8	153.858635			2
5.20	5.23	5.24	257471.6	92.642358			3
5.37	5.39	5.41	331303.4	104.476854			4
5.61	5.63	5.65	849240.8	110.477688			5
5.82	5.84	5.86	473404.9	109.628544			6

Height summation: **2657065.7**
Concentration CF: **109.941852** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**7.61**	
4.31	4.33	4.35	2832680	97.882569			1
4.44	4.46	4.48	3633107	106.457207			2
4.55	4.57	4.59	2602828	94.793812			3
4.90	4.92	4.94	1946056	92.203178			4
5.09	5.11	5.13	4958570	103.523314			5
5.35	5.37	5.39	3609015	112.634741			6

Height summation: **19582256**
Concentration CF: **101.249137** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<49.7561	<9.6585			4	
☑ PCB-1221			<49.7561	<14.9268			3	
☑ PCB-1232			<49.7561	<12			4	
☑ PCB-1242			<49.7561	<12			4	
☑ PCB-1248			<49.7561	<9.6585			4	
☑ PCB-1254			<49.7561	<12.878			4	
☑ PCB-1260	A	109.941852	49.7561	11.4146		8.23	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: MAY 25 2017
Date:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001110** ACF 51A04 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.25 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:12:55
Instrument : CP20--17342A
Result file : 20PCBS17137007.065.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 29.07849 Hccs
%SSR(DCB) : 98% (48-164) Conc.: 27.91646

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	62.68	
3.16	3.19	3.20	7441.187	3.538081			1
3.37	3.40	3.41	3121.294	1.4534			2
3.49	3.51	3.53	1411.202	0.583665			3
3.71	3.73	3.75	13342.8	4.980914			4
3.76	3.79	3.80	6019.075	2.747129			5
3.96	3.98	4.00	10058.55	5.72541			6
Height Summation:			**41394.108**				
Amount Avg CF:			**3.171433**	Linear:			
Aroclor-1221					3	50.43	
3.06	3.07	3.10	2290.99	2.273955			1
3.11	3.12	3.15	4760.158	5.465235			2
+ 3.11	3.15	3.15	1333.695	1.531243			2
3.16	3.19	3.20	7441.187	2.644551			3
Height Summation:			**14492.335**				
Amount Avg CF:			**3.461247**	Linear:			
Aroclor-1232					6	71.66	
3.16	3.19	3.20	7441.187	2.948186			1
3.38	3.40	3.42	3121.294	3.073293			2
+ 3.49	3.51	3.53	1411.202	1.266352			3
3.49	3.53	3.53	2875.721	2.580549			3
3.71	3.73	3.75	13342.8	11.037308			4
3.77	3.79	3.81	6019.075	6.350931			5
3.96	3.98	4.00	10058.55	13.729473			6
Height Summation:			**42858.627**				
Amount Avg CF:			**6.619957**	Linear:			
Aroclor-1242					6	56.80	
3.16	3.19	3.20	7441.187	4.129989			1
3.38	3.40	3.42	3121.294	1.754345			2
+ 3.49	3.51	3.53	1411.202	0.724365			3
3.49	3.53	3.53	2875.721	1.476097			3
3.71	3.73	3.75	13342.8	6.088116			4
3.77	3.79	3.81	6019.075	3.507779			5
3.96	3.98	4.00	10058.55	7.170576			6
Height Summation:			**42858.627**				
Amount Avg CF:			**4.02115**	Linear:			
Aroclor-1248					6	166.61	
3.76	3.79	3.80	6019.075	5.059792			1
3.83	3.86	3.87	22069.09	10.201203			2
3.96	3.98	4.00	10058.55	3.947955			3
4.05	4.06	4.09	14865.53	7.018801			4
4.23	4.23	4.27	106779.6	42.559285			5
+ 4.23	4.25	4.27	27987.45	11.154995			5
4.61	4.63	4.65	326084.2	177.296223			6
Height Summation:			**485876.045**				
Amount Avg CF:			**41.013877**	Linear:			
Aroclor-1254					6	83.73	
4.21	4.23	4.25	106779.6	36.096702			1
4.55	4.57	4.59	99329.71	33.412148			2
4.61	4.63	4.65	326084.2	54.308772			3
4.73	4.76	4.77	380456.2	211.10405			4
4.83	4.85	4.87	226836.5	57.168453			5
5.14	5.16	5.18	783311.3	192.181068			6
Height Summation:			**1922797.51**				
Amount Avg CF:			**97.378532**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:12:55
Instrument : CP20--17342B
Result file : 20PCBS17137007B.065.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 28.17324
%SSR(DCB) : 97% (48-164) Conc.: 27.62936

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	41.61	
2.88	2.91	2.92	89541.98	7.725588			1
+ 3.21	3.23	3.25	15896.07	1.103634			2
3.21	3.24	3.25	80580.23	5.594532			2
+ 3.40	3.40	3.44	30874.69	2.133267			3
3.40	3.43	3.44	42086.55	2.907943			3
3.47	3.49	3.51	37061.99	2.165385			4
3.63	3.65	3.67	83738.15	5.82311			5
3.72	3.73	3.76	75909.88	6.160287			6
+ 3.72	3.74	3.76	70761.48	5.742481			6
Height Summation:			**408918.78**				
Amount Avg CF:			**5.062808**	Linear:			
Aroclor-1221					3	55.11	
2.77	2.78	2.81	12567.25	2.054568			1
2.83	2.84	2.87	28724.43	7.617955			2
2.88	2.91	2.92	89541.98	5.724523			3
Height Summation:			**130833.66**				
Amount Avg CF:			**5.132349**	Linear:			
Aroclor-1232					6	69.59	
2.88	2.91	2.92	89541.98	6.323581			1
+ 3.21	3.23	3.25	15896.07	2.322764			2
3.21	3.24	3.25	80580.23	11.774535			2
+ 3.40	3.40	3.44	30874.69	5.042669			3
3.40	3.43	3.44	42086.55	6.873867			3
3.47	3.49	3.51	37061.99	4.927023			4
+ 3.66	3.68	3.70	25654.48	12.488296			5
3.66	3.70	3.70	55586.89	27.059037			5
3.73	3.73	3.77	75909.88	14.094361			6
+ 3.73	3.74	3.77	70761.48	13.138446			6
Height Summation:			**380767.52**				
Amount Avg CF:			**11.842067**	Linear:			
Aroclor-1242					6	39.81	
2.88	2.91	2.92	89541.98	8.984993			1
+ 3.21	3.23	3.25	15896.07	1.335604			2
3.21	3.24	3.25	80580.23	6.770431			2
+ 3.40	3.40	3.44	30874.69	2.637962			3
3.40	3.43	3.44	42086.55	3.595914			3
3.47	3.49	3.51	37061.99	2.770653			4
3.64	3.65	3.68	83738.15	7.603156			5
3.73	3.73	3.77	75909.88	7.694737			6
+ 3.73	3.74	3.77	70761.48	7.17286			6
Height Summation:			**408918.78**				
Amount Avg CF:			**6.236647**	Linear:			
Aroclor-1248					6	167.39	
+ 3.40	3.40	3.44	30874.69	5.408884			1
3.40	3.43	3.44	42086.55	7.37307			1
3.51	3.53	3.55	163943.7	10.183272			2
3.63	3.65	3.67	83738.15	4.163189			3
3.72	3.73	3.76	75909.88	5.226668			4
+ 3.72	3.74	3.76	70761.48	4.872182			4
3.86	3.87	3.90	962068.3	34.972914			5
4.22	4.23	4.26	2002289	164.624333			6
Height Summation:			**3330035.58**				
Amount Avg CF:			**37.757241**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001110** ACF 51A04 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.25 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:12:55
Instrument : CP20--17342A
Result file : 20PCBS17137007.065.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	21.20	
4.73	4.76	4.77	380456.2	88.567031			1
5.03	5.05	5.07	365188.8	153.858635			2
5.20	5.23	5.24	257471.6	92.642358			3
5.37	5.39	5.41	331303.4	104.476854			4
5.61	5.63	5.65	849240.8	110.477688			5
5.82	5.84	5.86	473404.9	109.628544			6
Height Summation:			**2657065.7**				
Amount Avg CF:			**109.941852**	Linear:			
Aroclor-1262					6	42.85	
5.21	5.23	5.24	257471.6	50.316944			1
5.37	5.39	5.41	331303.4	80.144951			2
5.61	5.63	5.65	849240.8	84.997943			3
5.81	5.84	5.85	473404.9	85.735868			4
5.87	5.88	5.91	45758.84	16.72872			5
+ 5.87	5.89	5.91	32251.47	11.790635			5
6.25	6.27	6.29	195039.5	58.609423			6
Height Summation:			**2152219.04**				
Amount Avg CF:			**62.755641**	Linear:			
Aroclor-1268					6	102.83	
5.81	5.84	5.85	473404.9	38.555932			1
5.87	5.88	5.91	45758.84	4.271307			2
+ 5.87	5.89	5.91	32251.47	3.010477			2
6.00	6.02	6.04	42425.22	4.246965			3
6.07	6.09	6.11	40575.72	17.717054			4
6.25	6.27	6.29	195039.5	47.268888			5
6.45	6.47	6.49	62763.21	1.943717			6
Height Summation:			**859967.39**				
Amount Avg CF:			**19.000644**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:12:55
Instrument : CP20--17342B
Result file : 20PCBS17137007B.065.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	79.90	
4.16	4.17	4.19	732559.9	34.186475			1
4.22	4.23	4.26	2002289	52.662109			2
4.31	4.33	4.35	2832680	160.155329			3
4.38	4.40	4.42	1319736	51.634255			4
4.44	4.46	4.48	3633107	246.834417			5
4.60	4.62	4.64	1400544	78.105424			6
Height Summation:			**11920915.9**				
Amount Avg CF:			**103.929668**	Linear:			
Aroclor-1260					6	7.61	
4.31	4.33	4.35	2832680	97.882569			1
4.44	4.46	4.48	3633107	106.457207			2
4.55	4.57	4.59	2602828	94.793812			3
4.90	4.92	4.94	1946056	92.203178			4
5.09	5.11	5.13	4958570	103.523314			5
5.35	5.37	5.39	3609015	112.634741			6
Height Summation:			**19582256**				
Amount Avg CF:			**101.249137**	Linear:			
Aroclor-1262					6	33.40	
4.71	4.73	4.75	1344845	40.479602			1
4.90	4.92	4.94	1946056	58.885249			2
5.09	5.11	5.13	4958570	78.881649			3
5.31	5.32	5.35	932956.9	35.817176			4
5.35	5.37	5.39	3609015	86.079532			5
5.73	5.75	5.77	1350086	59.500675			6
Height Summation:			**14141528.9**				
Amount Avg CF:			**59.940647**	Linear:			
Aroclor-1268					6	93.40	
5.31	5.32	5.35	932956.9	10.997626			1
5.35	5.37	5.39	3609015	42.019309			2
5.51	5.52	5.55	309483.1	4.194176			3
5.57	5.59	5.61	318228.2	17.837524			4
5.73	5.75	5.77	1350086	46.69819			5
5.93	5.95	5.97	437835.2	1.992645			6
Height Summation:			**6957604.4**				
Amount Avg CF:			**20.623245**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.7561	9.6585		** 45.94	4	40	
Aroclor-1221			49.7561	14.9268		38.89	3	5	
Aroclor-1232			49.7561	12		** 56.57	4	10	
Aroclor-1242			49.7561	12		** 43.20	4	30	
Aroclor-1248			49.7561	9.6585		8.27	4	40	
Aroclor-1254			49.7561	12.878		6.51	4	40	
Aroclor-1260			49.7561	11.4146		8.23	4	40	
Aroclor-1262			49.7561	9.6585		4.59	4	40	
Aroclor-1268			49.7561	9.6585		8.19	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001110ACF AB51A04 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:12:55 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.065.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.004		1214	444
2.037		3920	2774
2.102		17552	21844
2.129		116170	77525
2.152		3570	3287
2.197		27914	19113
2.218		10993	7635
2.284		1237	522
2.309		33920	21694
2.328		3950	2244
2.388		27006	19497
2.424		5942	7697
2.539		973	510
2.564		2852	2134
2.587		1488	1425
2.625		2667	2103
2.647		18479	12169
2.7		1201	850
2.731		3247	2974
2.827		9178	7465
2.872		1436	1086
2.924	TCX	3387106	2224895
3.04		2586	1726
3.074		2291	2691
3.108		2373	1222
3.124		4760	2469
3.153		1334	1109
3.188		7441	7859
3.229		35604	19412
3.243		21218	9208
3.31		1237	960
3.397		3121	2171
3.467		2553	1582
3.487		2042	1237
3.513		1411	768
3.531		2876	2167
3.587		15667	10559
3.657		6719	4882
3.699		4940	5564
3.733		13343	11542
3.79		6019	5837
3.856		22069	18488
3.89		9212	8414
3.979		10059	6820
4.003		2214	1390
4.034		5453	3776
4.061		14866	19327
4.112		5166	4118
4.14		1579	1085
4.191		6297	4203
4.227		106780	80196
4.248		27987	15771
4.272		49945	38548
4.298		2581	1870

RT A	Compound A	Height A	Area A
4.339		38521	32998
4.381		206249	206794
4.416		89629	73923
4.456		7493	5287
4.479		11966	9123
4.521		90863	93221
4.574		99330	100591
4.604		41087	25785
4.635		326084	289471
4.68		131676	157576
4.718		70276	52893
4.757		380456	362312
4.807		27481	25942
4.848		226837	217523
4.878		15062	9942
4.904		84309	79224
4.957		559180	691679
5.006		74896	68099
5.049		365189	380046
5.092		27015	19446
5.128		65106	91662
5.165		783311	825198
5.227		257472	221314
5.271		179164	182517
5.391		331303	495556
5.432		28766	20478
5.45		116308	90366
5.491		98710	89351
5.53		37489	36220
5.574		132907	123209
5.603		10835	6612
5.632		849241	860447
5.719		1642	1582
5.838		473405	483152
5.875		45759	44341
5.89		32251	26601
6.023		42425	47238
6.087		40576	32351
6.11		80901	65466
6.267		195040	198079
6.312		13798	13183
6.39		1715	2226
6.467		62763	65226
6.612	DCB	1969137	2069103
7.104		428	2021
7.776		1399	1942
8.032		5572	9445

LANCASTER LABORATORIES

Sample Number: 9001110ACF AB51A04 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:12:55 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.065.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		4654	8827
2.052		35402	26633
2.113		204661	125790
2.155		12725	8034
2.183		27691	29234
2.217		6633	5565
2.234		17408	15980
2.286		6881	5044
2.312		14741	13388
2.335		7997	4396
2.363		105271	63220
2.398		10279	9630
2.433		24710	16064
2.479		5868	6334
2.533		16893	8767
2.569		12840	17304
2.589		20130	12284
2.614	TCX	19963320	11711320
2.676		5584	2650
2.693		6903	7165
2.733		19964	13648
2.784		12567	7142
2.813		26247	31707
2.845		28724	34243
2.877		6958	6762
2.91		89542	41139
2.921		182789	76825
2.948		21568	13473
2.996		10135	14274
3.032		5071	3180
3.082		5857	6606
3.106		15363	26607
3.18		25056	25257
3.226		15896	9836
3.244		80580	41219
3.263		33726	19495
3.32		69539	59492
3.362		4207	3610
3.383		18934	8289
3.404		30875	15534
3.432		42087	42560
3.492		37062	29543
3.526		163944	94516
3.55		154747	85084
3.567		82098	38689
3.588		25334	19777
3.653		83738	56828
3.675		25654	15323
3.697		55587	39744
3.726		75910	38945
3.742		70761	35820
3.78		33838	28448
3.828		56989	54861
3.853		84879	49297

RT B	Compound B	Height B	Area B
3.874		962068	622003
3.899		253667	150164
3.919		131229	69728
3.938		222771	131788
3.973		1319081	881749
4.005		638691	407785
4.022		166939	78695
4.083		89936	78533
4.118		497211	437050
4.147		32671	27064
4.174		732560	543359
4.207		372547	305451
4.235		2002289	1932121
4.274		437068	453739
4.326		2832680	2254781
4.364		227852	187688
4.396		1319736	920900
4.421		639308	456185
4.463		3633107	2794914
4.518		16961	14181
4.566		2602828	2489779
4.615		1400544	1217672
4.657		844843	759551
4.694		4676429	3833198
4.727		1344845	976555
4.765		1211080	928721
4.839		550314	462839
4.864		240918	144730
4.88		124040	67970
4.915		1946056	1469070
4.939		795403	554615
4.99		1142379	1014785
5.025		651061	505559
5.056		490519	419802
5.087		283831	181677
5.109		4958570	4166579
5.151		122143	84576
5.182		377413	310554
5.247		8048	5811
5.279		4116	2163
5.301		50154	29885
5.325		932957	754748
5.369		3609015	3777133
5.525		309483	260752
5.57		103531	75625
5.593		318228	248244
5.642		704429	572132
5.684		3515	3116
5.721		4082	2433
5.749		1350086	1136259
5.78		79611	62563
5.859		6172	5164
5.948		437835	363799
5.981		3952	2609
6.107	DCB	13796940	11951240
6.28		8908	6527
6.309		21126	22019
6.374		4385	2803
6.481		2233	2349
6.531		12632	14050
6.584		6810	6493
7.012		9973	11777
7.117		2612	2156
7.423		2973	7508
7.456		3820	6219
7.555		31917	40173

RT B	Compound B	Height B	Area B
7.848		2739	4602
7.901		1604	624
7.988		1721	1845
8.216		20816	39382

9001110ACF AB51A04 T 171430031A 10225 SW-846 8082

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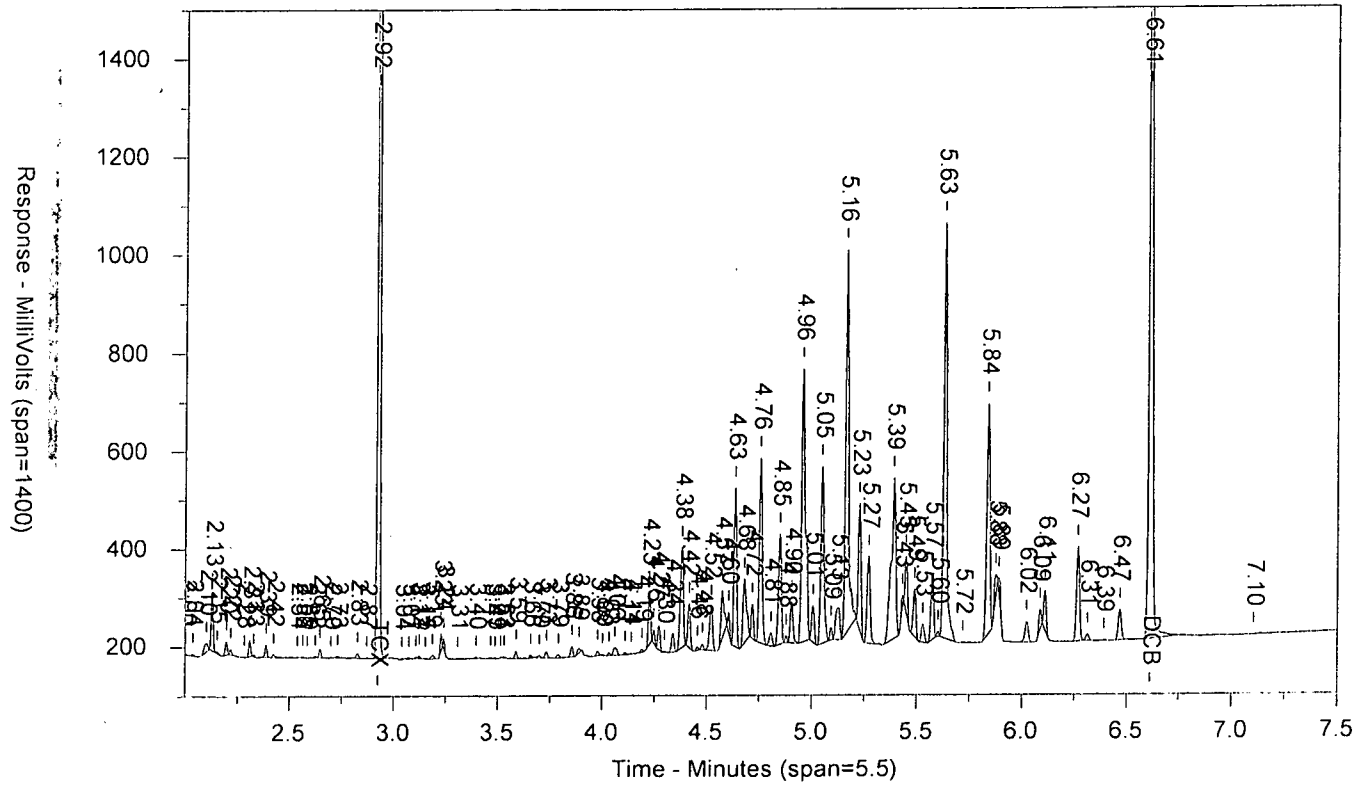

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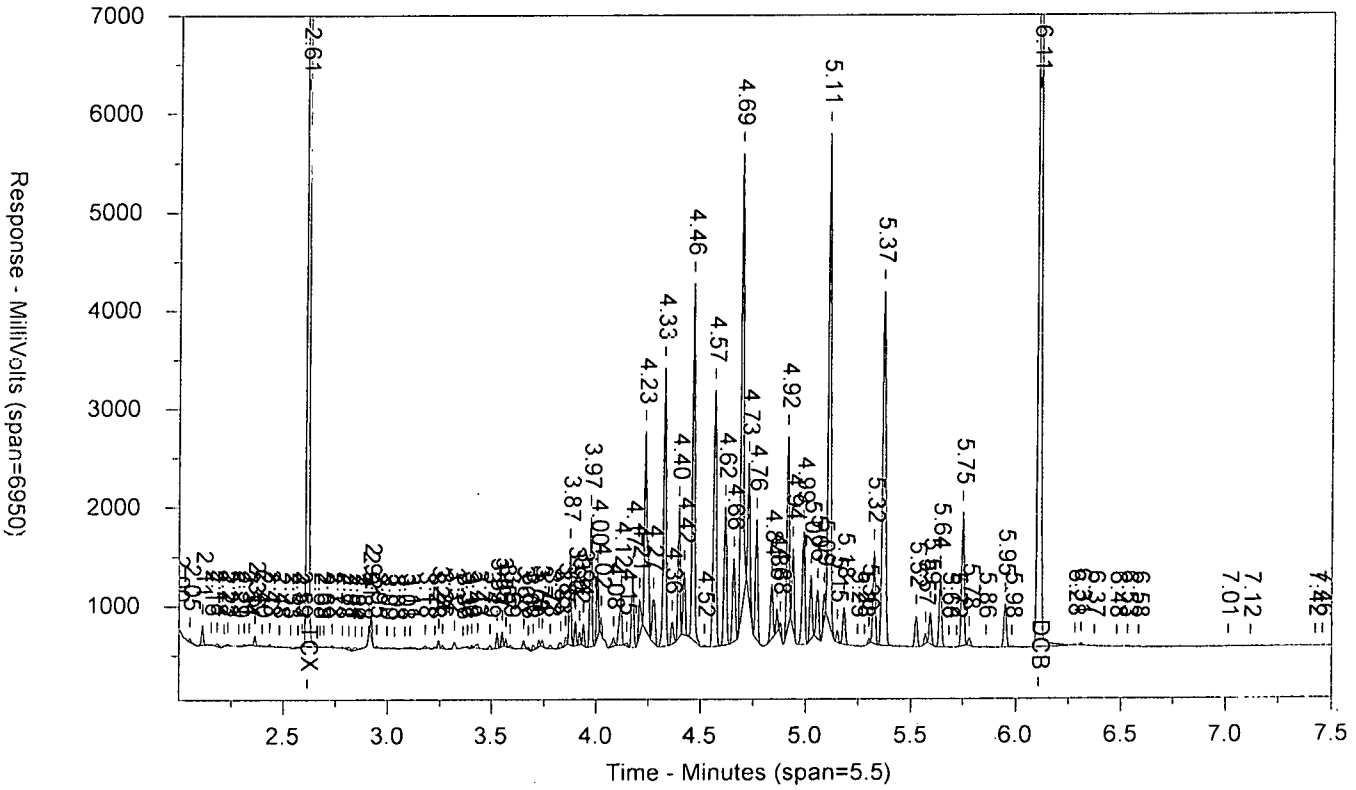

LANCASTER LABORATORIES

Sample Number: 9001110ACF AB51A04 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:12:55 AM Sample Weight: 10.25
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3387106	29.078	TCX	2.614	19963320	28.173	TCX
6.612	1969137	27.916	DCB	6.107	13796940	27.629	DCB

Files:
Area File: 20pcbs17137007.065.RAW
Area File: 20pcbs17137007B.065.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 8:21:37 AM
File Reported On: 5/25/2017 at 8:21:43 AM

9001110ACF AB51A04 T 171430031A 10225 SW-846 8082

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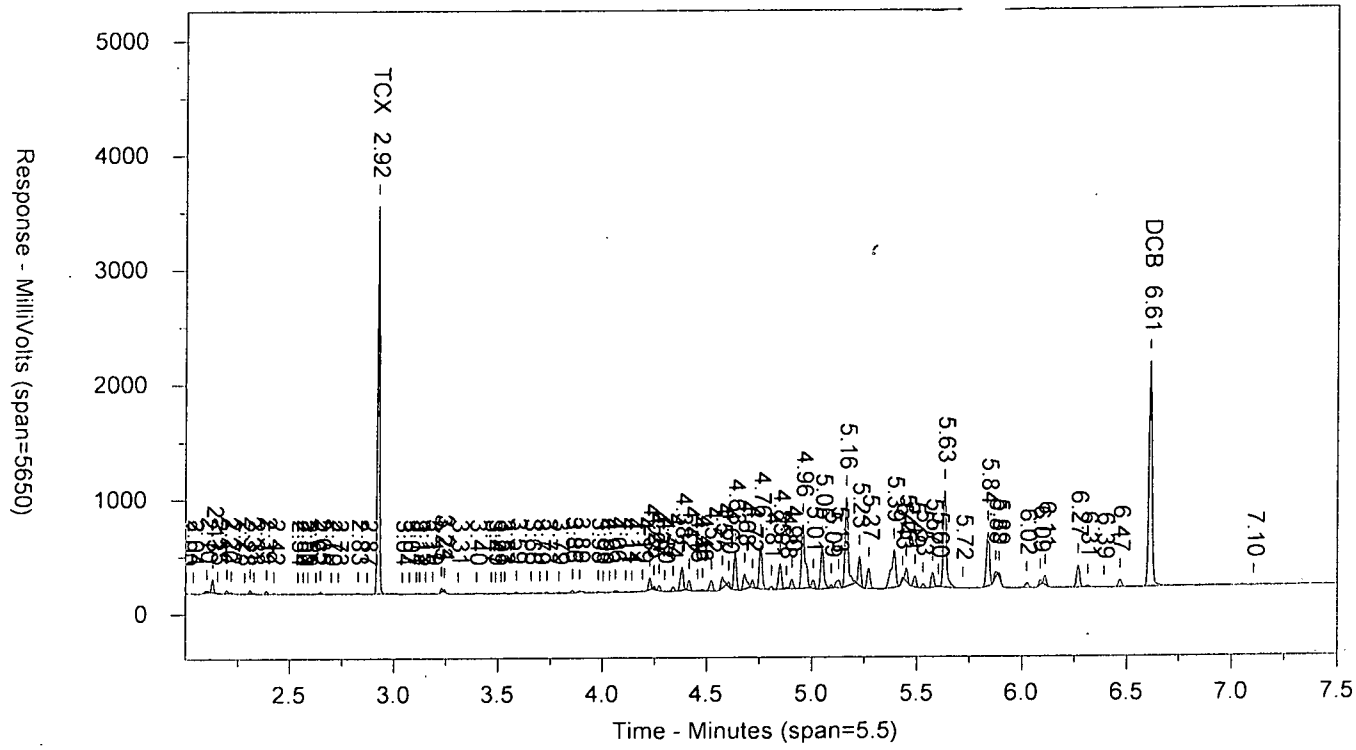

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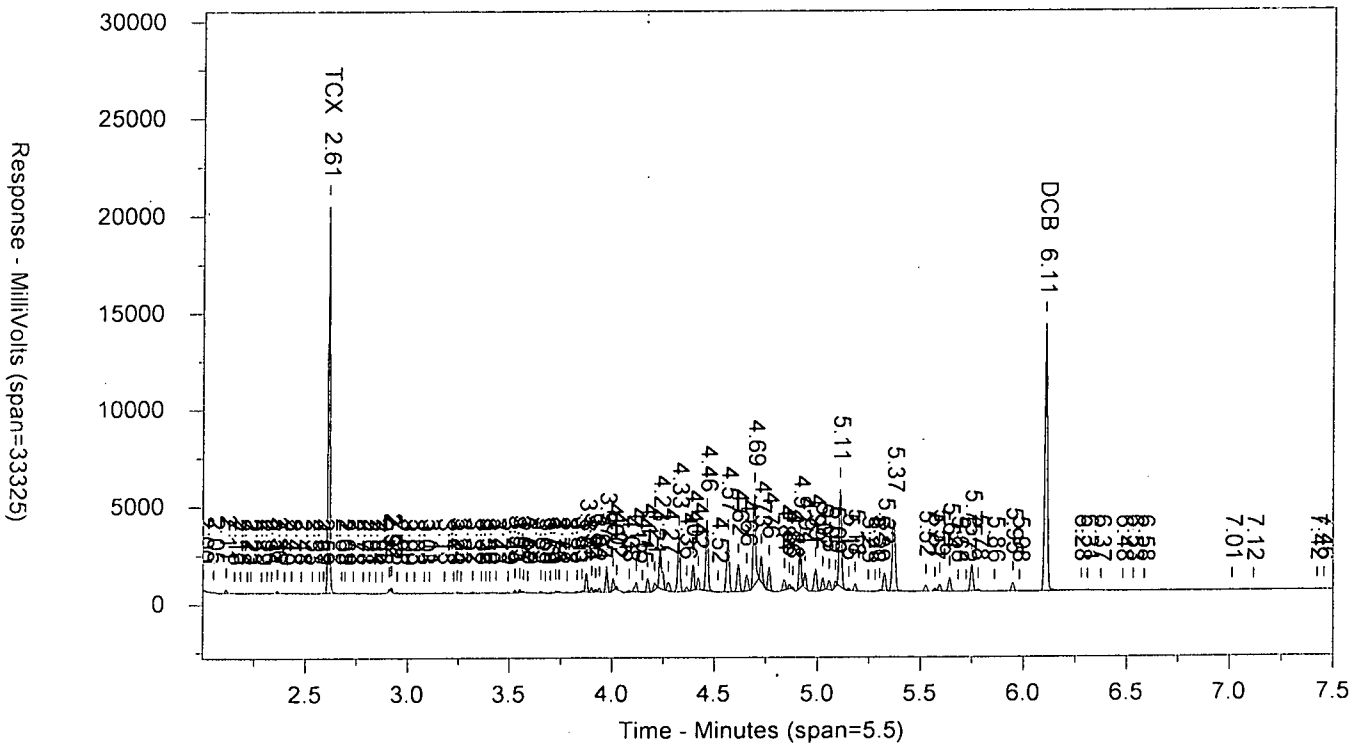

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Data Summary

Sample Name: 9001111 ACF 51A05 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.19 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 08:24:06
Instrument	17342A
Result file	20PCBS17137007.066.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 102% (61 - 152) Conc: 29.3006
%SSR(DCB) 84% (48 - 164) Conc: 24.0227

Analysis Report (B)

Injected on	May 25, 2017 08:24:06
Instrument	17342B
Result file	20PCBS17137007B.066.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 28.08536
%SSR(DCB) 63% (48 - 164) Conc: 18.14012

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3392999	29.3006
Decachlorobiphenyl	6.58	6.61	6.64	1684565	24.0227

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	19784550	28.08536
Decachlorobiphenyl	6.08	6.11	6.14	9005388	18.14012

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	29.3006				4.24	
☑ Decachlorobiphenyl	A	24.0227				27.90	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**26.04**	
4.73	4.75	4.77	1891718	442.969165			1
5.03	5.05	5.07	1745290	739.642242			2
5.20	5.23	5.24	1187909	429.94522			3
5.37	5.39	5.41	1147970	364.145052			4
5.61	5.63	5.65	4406367	576.599251			5
5.82	5.84	5.86	2307547	537.515674			6

Height summation: **12686801**
Concentration CF: **515.136101** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.22**	
4.31	4.33	4.35	11819660	410.830339			1
4.44	4.46	4.48	15434470	454.923407			2
4.55	4.56	4.59	10500430	384.672626			3
4.90	4.91	4.94	7758064	369.737583			4
5.09	5.11	5.13	22749590	477.754706			5
5.35	5.37	5.39	14489580	454.871949			6

Height summation: **82751794**
Concentration CF: **425.465102** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<50.0491	<9.7154			4	
☑ PCB-1221			<50.0491	<15.0147			3	
☑ PCB-1232			<50.0491	<12.0707			4	
☑ PCB-1242			<50.0491	<12.0707			4	
☑ PCB-1248			<50.0491	<9.7154			4	
☑ PCB-1254			<50.0491	<12.9539			4	
☑ PCB-1260	A	515.136101	50.0491	11.4818		19.07	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist
Date: MAY 25 2017

Verified by:
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001111** ACF 51A05 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.19 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:24:06
Instrument : CP20--17342A
Result file : 20PCBS17137007.066.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 29.3006
%SSR(DCB) : 84% (48-164) Conc.: 24.0227

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	94.16	
3.16	3.18	3.20	12746.88	6.09648			1
3.37	3.39	3.41	8600.34	4.028245			2
+ 3.37	3.41	3.41	2097.269	0.982323			2
3.49	3.51	3.53	7020.931	2.920917			3
3.71	3.73	3.75	28009.84	10.517738			4
3.76	3.78	3.80	11636.72	5.342316			5
3.96	3.98	4.00	45110.07	25.828217			6
Height Summation:			**113124.781**				
Amount Avg CF:			**9.122319**	Linear:			
Aroclor-1221					2	12.27	
3.11	3.12	3.15	4695.43	5.422662			2
3.16	3.18	3.20	12746.88	4.556834			3
Height Summation:			**17442.31**				
Amount Avg CF:			**4.989748**	Linear:			
Aroclor-1232					6	111.10	
3.16	3.18	3.20	12746.88	5.080029			1
3.38	3.39	3.42	8600.34	8.517941			2
+ 3.38	3.41	3.42	2097.269	2.077175			2
3.49	3.51	3.53	7020.931	6.33738			3
3.71	3.73	3.75	28009.84	23.30647			4
3.77	3.78	3.81	11636.72	12.350596			5
3.96	3.98	4.00	45110.07	61.935788			6
Height Summation:			**113124.781**				
Amount Avg CF:			**19.588034**	Linear:			
Aroclor-1242					6	95.83	
3.16	3.18	3.20	12746.88	7.116398			1
3.38	3.39	3.42	8600.34	4.862342			2
+ 3.38	3.41	3.42	2097.269	1.185725			2
3.49	3.51	3.53	7020.931	3.625039			3
3.71	3.73	3.75	28009.84	12.855715			4
3.77	3.78	3.81	11636.72	6.821546			5
3.96	3.98	4.00	45110.07	32.347582			6
Height Summation:			**113124.781**				
Amount Avg CF:			**11.271437**	Linear:			
Aroclor-1248					6	202.94	
3.76	3.78	3.80	11636.72	9.839731			1
3.83	3.85	3.87	85579.17	39.790989			2
3.96	3.98	4.00	45110.07	17.809841			3
4.05	4.07	4.09	53639.05	25.474948			4
4.23	4.25	4.27	69786.35	27.978614			5
4.61	4.63	4.65	1321027	722.488775			6
Height Summation:			**1586778.36**				
Amount Avg CF:			**140.563816**	Linear:			
Aroclor-1254					6	92.12	
4.21	4.23	4.25	494050.6	167.996546			1
+ 4.21	4.25	4.25	69786.35	23.730091			1
4.55	4.57	4.59	289792.5	98.053264			2
+ 4.55	4.58	4.59	50925.12	17.230861			2
4.61	4.63	4.65	1321027	221.310286			3
E 4.73	4.75	4.77	1891718	1055.839674			4
4.83	4.85	4.87	1017298	257.894083			5
5.14	5.16	5.18	3612265	891.467462			6
Height Summation:			**8626151.1**				
Amount Avg CF:			**448.760219**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:24:06
Instrument : CP20--17342B
Result file : 20PCBS17137007B.066.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 98% (61-152) Conc.: 28.08536
%SSR(DCB) : 63% (48-164) Conc.: 18.14012

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	76.77	
+ 3.21	3.23	3.25	41630.35	2.907335			2
3.21	3.24	3.25	41994.06	2.932735			2
+ 3.40	3.40	3.44	58504.6	4.066139			3
3.40	3.43	3.44	97165.72	6.753132			3
3.47	3.49	3.51	85531.66	5.026701			4
3.63	3.65	3.67	290149.6	20.295665			5
+ 3.72	3.72	3.76	119793.1	9.778768			6
3.72	3.74	3.76	243596.1	19.884867			6
Height Summation:			**758437.14**				
Amount Avg CF:			**10.97862**	Linear:			
Aroclor-1221					2	99.30	
2.77	2.78	2.81	173626.3	28.552592			1
2.83	2.83	2.87	18730.13	4.996633			2
Height Summation:			**192356.43**				
Amount Avg CF:			**16.774612**	Linear:			
Aroclor-1232					5	91.03	
+ 3.21	3.23	3.25	41630.35	6.118923			2
3.21	3.24	3.25	41994.06	6.172382			2
+ 3.40	3.40	3.44	58504.6	9.61164			3
3.40	3.43	3.44	97165.72	15.963223			3
3.47	3.49	3.51	85531.66	11.437536			4
+ 3.66	3.67	3.70	86159.48	42.188366			5
3.66	3.69	3.70	142794.7	69.92005			5
3.73	3.74	3.77	243596.1	45.495359			6
Height Summation:			**611082.24**				
Amount Avg CF:			**29.79771**	Linear:			
Aroclor-1242					5	77.97	
+ 3.21	3.23	3.25	41630.35	3.518419			2
3.21	3.24	3.25	41994.06	3.549158			2
+ 3.40	3.40	3.44	58504.6	5.02812			3
3.40	3.43	3.44	97165.72	8.350812			3
3.47	3.49	3.51	85531.66	6.431763			4
3.64	3.65	3.68	290149.6	26.499775			5
+ 3.64	3.67	3.68	86159.48	7.869068			5
3.73	3.74	3.77	243596.1	24.837935			6
Height Summation:			**758437.14**				
Amount Avg CF:			**13.933889**	Linear:			
Aroclor-1248					6	156.26	
+ 3.40	3.40	3.44	58504.6	10.30967			1
3.40	3.43	3.44	97165.72	17.122525			1
3.51	3.52	3.55	530637.8	33.154346			2
3.63	3.65	3.67	290149.6	14.510235			3
+ 3.72	3.72	3.76	119793.1	8.296751			4
3.72	3.74	3.76	243596.1	16.871225			4
3.86	3.87	3.90	3385808	123.804926			5
4.22	4.23	4.26	5315934	439.639321			6
+ 4.22	4.25	4.26	1813481	149.978829			6
Height Summation:			**9863291.22**				
Amount Avg CF:			**107.517096**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001111** ACF 51A05 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.19 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:24:06
Instrument : CP20--17342A
Result file : 20PCBS17137007.066.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	26.04	
4.73	4.75	4.77	1891718	442.969165			1
5.03	5.05	5.07	1745290	739.642242			2
5.20	5.23	5.24	1187909	429.94522			3
+ 5.37	5.37	5.41	80330.22	25.481373			4
5.37	5.39	5.41	1147970	364.145052			4
5.61	5.63	5.65	4406367	576.599251			5
5.82	5.84	5.86	2307547	537.515674			6
Height Summation:			**12686801**				
Amount Avg CF:			**515.136101**	Linear:			
Aroclor-1262					6	44.25	
E 5.21	5.23	5.24	1187909	233.516609			1
+ 5.37	5.37	5.41	80330.22	19.546946			2
E 5.37	5.39	5.41	1147970	279.338304			2
E 5.61	5.63	5.65	4406367	443.616727			3
E 5.81	5.84	5.85	2307547	420.368377			4
5.87	5.87	5.91	259729.8	95.512267			5
+ 5.87	5.89	5.91	148250.2	54.51709			5
E 6.25	6.26	6.29	882956.8	266.891049			6
Height Summation:			**10192479.6**				
Amount Avg CF:			**289.873889**	Linear:			
Aroclor-1268					6	123.56	
5.81	5.84	5.85	2307547	189.042169			1
5.87	5.87	5.91	259729.8	24.386939			2
+ 5.87	5.89	5.91	148250.2	13.91973			2
6.00	6.02	6.04	49679.78	5.002464			3
6.07	6.08	6.11	69320.6	30.446492			4
E 6.25	6.26	6.29	882956.8	215.249401			5
6.45	6.46	6.49	187697.2	5.84703			6
Height Summation:			**3756931.18**				
Amount Avg CF:			**78.329083**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:24:06
Instrument : CP20--17342B
Result file : 20PCBS17137007B.066.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	91.72	
4.16	4.17	4.19	2675045	125.571754			1
4.22	4.23	4.26	5315934	140.637375			2
+ 4.22	4.25	4.26	1813481	47.977121			2
4.31	4.33	4.35	11819660	672.200055			3
4.38	4.39	4.42	4799066	188.867509			4
E 4.44	4.46	4.48	15434470	1054.797105			5
4.60	4.61	4.64	4896288	274.663578			6
Height Summation:			**44940463**				
Amount Avg CF:			**409.456229**	Linear:			
Aroclor-1260					6	10.22	
4.31	4.33	4.35	11819660	410.830339			1
4.44	4.46	4.48	15434470	454.923407			2
4.55	4.56	4.59	10500430	384.672626			3
4.90	4.91	4.94	7758064	369.737583			4
5.09	5.11	5.13	22749590	477.754706			5
5.35	5.37	5.39	14489580	454.871949			6
Height Summation:			**82751794**				
Amount Avg CF:			**425.465102**	Linear:			
Aroclor-1262					6	39.98	
4.71	4.72	4.75	5428553	164.360619			1
E 4.90	4.91	4.94	7758064	236.131661			2
E 5.09	5.11	5.13	22749590	364.034705			3
5.31	5.32	5.35	3241936	125.194106			4
E 5.35	5.37	5.39	14489580	347.629553			5
E 5.73	5.75	5.77	4786152	212.17618			6
Height Summation:			**58453875**				
Amount Avg CF:			**241.587804**	Linear:			
Aroclor-1268					6	122.34	
5.31	5.32	5.35	3241936	38.440718			1
5.35	5.37	5.39	14489580	169.693692			2
5.51	5.52	5.55	315907.8	4.306453			3
5.57	5.59	5.61	188560.7	10.631554			4
+ 5.57	5.61	5.61	53365.23	3.008874			4
5.73	5.75	5.77	4786152	166.523214			5
5.93	5.95	5.97	969455.2	4.438095			6
Height Summation:			**23991591.7**				
Amount Avg CF:			**65.672288**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.0491	9.7154		18.47	4	40	
Aroclor-1221			50.0491	15.0147		** 108.30	3	5	
Aroclor-1232			50.0491	12.0707		** 41.35	4	10	
Aroclor-1242			50.0491	12.0707		21.13	4	30	
Aroclor-1248			50.0491	9.7154		26.64	4	40	
Aroclor-1254			50.0491	12.9539	E	9.16	4	40	
Aroclor-1260			50.0491	11.4818		19.07	4	40	
Aroclor-1262			50.0491	9.7154	E	18.17	4	40	
Aroclor-1268			50.0491	9.7154	E	17.58	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001111ACF AB51A05 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:24:06 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.066.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.004		8588	3720
2.038		14376	13680
2.101		18270	27665
2.129		56241	36864
2.197		119890	79244
2.217		9132	4860
2.283		2455	1406
2.309		22720	14192
2.328		3898	2369
2.386		4728	8111
2.421		3601	2294
2.443		1175	633
2.48		1044	1002
2.564		3618	6110
2.647		78234	76027
2.703		1574	1202
2.731		1829	1671
2.752		2899	2683
2.798		2196	1060
2.826		6247	5063
2.873		1954	2775
2.923	TCX	3392999	2242298
3.011		1180	721
3.036		30438	18413
3.107		2003	1072
3.123		4695	3780
3.178		12747	13092
3.228		903050	707326
3.395		8600	10026
3.412		2097	1669
3.445		1066	732
3.465		3844	5608
3.513		7021	7103
3.585		16281	11398
3.625		4806	4107
3.663		12500	9533
3.694		13643	12935
3.73		28010	24904
3.784		11637	12427
3.853		85579	63942
3.886		23118	23730
3.9		24568	12219
3.953		1309	820
3.977		45110	31809
4		10589	6821
4.031		20022	13858
4.066		53639	61665
4.108		13238	10540
4.137		4174	2492
4.152		3287	2339
4.188		19430	14158
4.225		494051	361575
4.245		69786	37197
4.27		188044	148872

RT A	Compound A	Height A	Area A
4.336		157805	131872
4.379		928378	863009
4.413		353142	277857
4.453		34085	26264
4.477		40814	30195
4.519		304991	287632
4.571		289793	198159
4.585		50925	22048
4.602		126933	75593
4.632		1321027	1154035
4.678		727612	799465
4.716		285781	219197
4.755		1891718	1796835
4.805		105178	96666
4.847		1017298	959057
4.875		23752	13261
4.902		406620	368151
4.955		2719157	3278861
5.004		354977	310673
5.047		1745290	1742411
5.09		85588	60772
5.127		259203	314705
5.163		3612265	3289534
5.186		119334	52484
5.202		18766	5989
5.225		1187909	1065867
5.269		880278	843990
5.374		80330	74105
5.39		1147970	917839
5.448		704254	668382
5.488		436340	384148
5.528		81266	78285
5.573		616084	545694
5.6		45348	26984
5.63		4406367	4154354
5.719		10234	9557
5.754		5543	7199
5.793		1319	795
5.836		2307547	2315631
5.874		259730	242827
5.889		148250	108143
6.021		49680	73814
6.084		69321	52054
6.108		354485	309564
6.17		4099	4416
6.234		3830	2734
6.265		882957	852909
6.31		62407	60349
6.379		2371	5206
6.464		187697	192031
6.503		3003	2377
6.553		874	596
6.61	DCB	1684565	1754817
6.688		3493	3177
6.861		821	547
6.885		1196	1166
6.918		2730	2885
6.998		1507	1946
7.079		2570	3146
7.123		1639	1608
7.222		801	496
7.273		1022	641
7.325		811	554
7.415		899	1442
7.496		729	869
7.632		1043	4180

RT A	Compound A	Height A	Area A
7.777		7893	13178
7.836		1860	3467
7.908		795	497
7.944		1464	1567
8.031		1042	1640
8.215		634	285
8.243		1158	1017
8.486		801	1449
8.535		1090	1395
8.588		2909	6314

LANCASTER LABORATORIES

Sample Number: 9001111ACF AB51A05 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:24:06 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.066.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		23008	11862
2.052		28614	25754
2.112		42176	49616
2.158		27872	21309
2.185		20990	12297
2.206		10471	9708
2.23		11625	11541
2.284		8757	7004
2.31		13240	5414
2.32		14869	5131
2.352		24881	15749
2.364		350503	184939
2.398		15963	15285
2.432		4923	2033
2.461		3931	2993
2.497		12181	17323
2.539		15324	16200
2.568		12385	7221
2.591		8622	5419
2.615	TCX	19784550	11383810
2.677		14520	6862
2.691		9096	12569
2.734		18554	11270
2.784		173626	95139
2.812		19206	17934
2.834		18730	9091
2.876		51324	29860
2.921		4842770	3265666
2.947		15939	6729
2.993		4779	3594
3.033		21051	11361
3.066		7055	7372
3.106		42976	39001
3.146		12423	11452
3.178		20344	11707
3.225		41630	28290
3.243		41994	20561
3.263		79935	57143
3.305		9164	6258
3.323		108383	70781
3.353		11683	7438
3.383		66877	45163
3.403		58505	29018
3.432		97166	96541
3.491		85532	62402
3.525		530638	320513
3.548		368248	207243
3.566		249696	129137
3.584		10731	4718
3.597		64075	29664
3.65		290150	184222
3.673		86159	45412
3.694		142795	101431
3.724		119793	61661

RT B	Compound B	Height B	Area B
3.739		243596	137134
3.778		90515	77120
3.823		118577	118306
3.851		265589	151310
3.872		3385808	2164755
3.897		798820	465569
3.917		344498	179501
3.936		841689	507665
3.971		4816225	3256510
4.003		2064965	1321787
4.021		411396	198099
4.082		266626	196607
4.117		1436543	1147961
4.138		54858	56439
4.173		2675045	1966074
4.213		995343	1140145
4.233		5315934	2954932
4.247		1813481	828818
4.272		1731219	1770960
4.325		11819660	8989615
4.362		641755	544460
4.394		4799066	3308148
4.419		2582275	1790334
4.462		15434470	11952790
4.516		34336	24275
4.564		10500430	9927619
4.615		4896289	3963286
4.656		3118992	2650641
4.693		18689190	15089140
4.725		5428553	3667667
4.763		4654346	3594332
4.836		394966	335474
4.863		1018214	685783
4.879		305436	165476
4.914		7758064	5698539
4.938		2378531	1624730
4.988		4210189	3667599
5.025		2155391	1771548
5.053		1538220	1214225
5.086		1117655	707128
5.108		22749590	17680720
5.149		405246	300538
5.181		576508	466191
5.223		12102	8030
5.245		29434	18666
5.3		157381	98880
5.323		3241936	2535507
5.367		14489580	14371550
5.467		7247	5273
5.523		315908	273742
5.568		415595	321990
5.592		188561	125183
5.613		53365	27758
5.641		1990795	1659627
5.683		17061	16032
5.72		30964	19113
5.747		4786152	3827843
5.779		281610	217100
5.859		9820	11779
5.892		3666	4102
5.947		969455	848901
5.98		6819	10532
6.039		2494	1495
6.106	DCB	9005388	7629864
6.14		15842	10834
6.235		8211	6154

RT B	Compound B	Height B	Area B
6.281		17350	12918
6.306		20160	17861
6.345		4144	3483
6.373		13720	9571
6.412		3938	2564
6.441		3451	2773
6.479		10065	13461
6.527		18028	19940
6.582		18537	15753
6.622		2176	2177
6.651		2133	1909
6.679		2181	1536
6.728		5054	12003
6.789		4598	5707
6.82		3165	3039
6.875		1813	1874
6.917		4265	6845
7.011		44235	44617
7.054		2309	2221
7.086		7520	7545
7.121		4083	3540
7.182		3668	4345
7.266		3245	3672
7.301		2353	2292
7.371		11713	17299
7.461		2287	7012
7.495		3223	3927
7.554		2418	2049
7.606		18372	32468
7.688		1185	726
7.723		3660	6210
7.778		5794	11994
7.851		3993	9002
7.931		3903	4579
8.053		3326	6049
8.103		10616	22917
8.218		31903	60092
8.27		3176	3550
8.348		5771	12775
8.427		15810	38910

9001111ACF AB51A05 T 171430031A 10225 SW-846 8082

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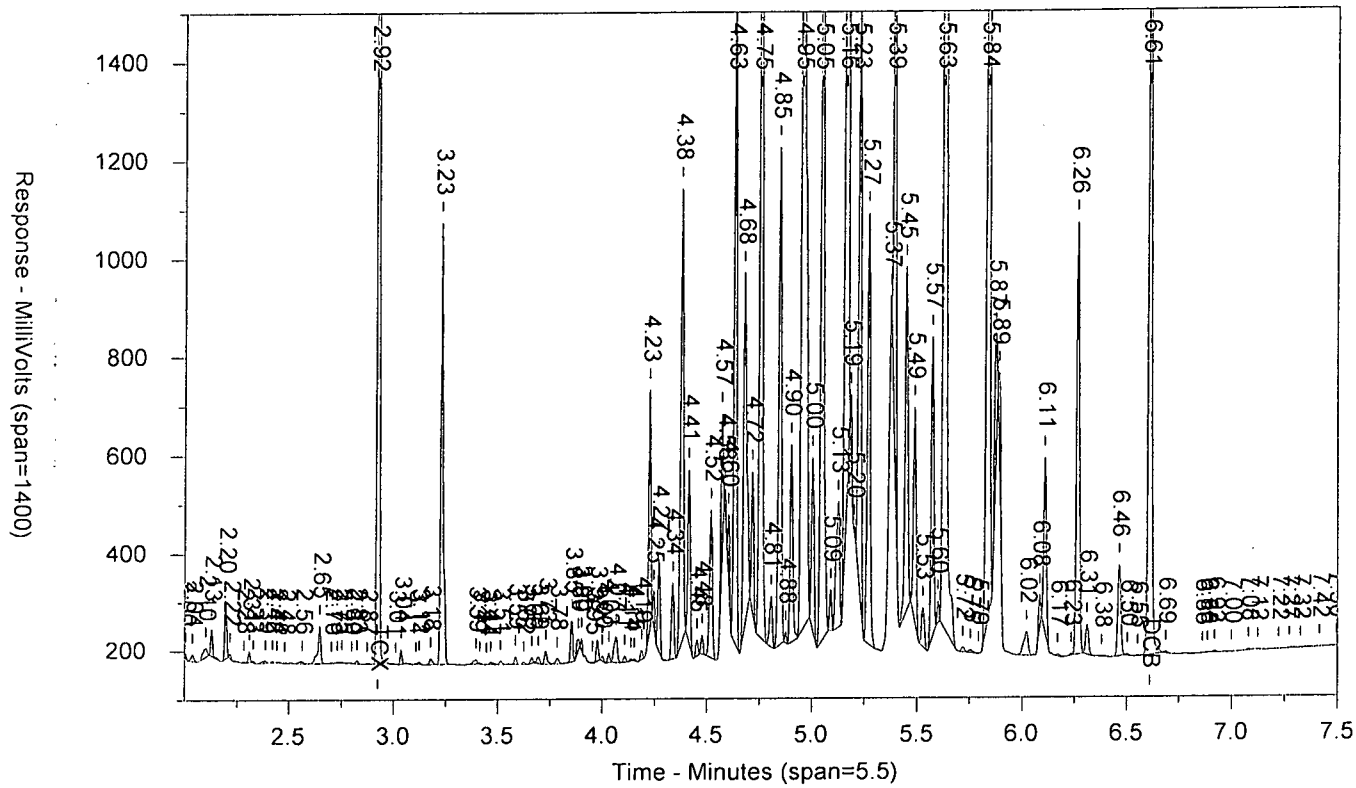

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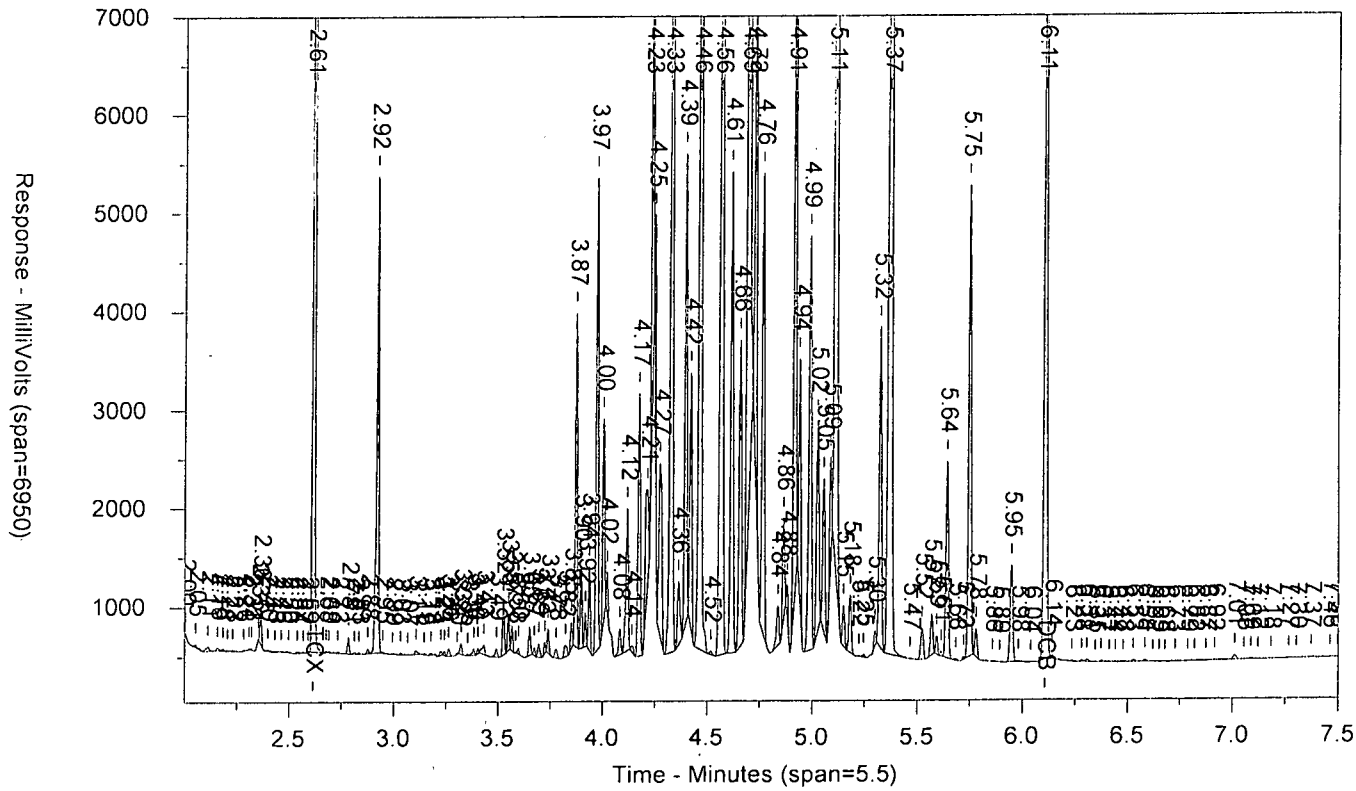

LANCASTER LABORATORIES

Sample Number: 9001111ACF AB51A05 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:24:06 AM Sample Weight: 10.19
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	3392999	29.301	TCX	2.615	19784550	28.085	TCX
6.61	1684565	24.023	DCB	6.106	9005388	18.14	DCB

Files:
Area File: 20pcbs17137007.066.RAW
Area File: 20pcbs17137007B.066.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 8:32:49 AM
File Reported On: 5/25/2017 at 8:32:59 AM

9001111ACF AB51A05 T 171430031A 10225 SW-846 8082

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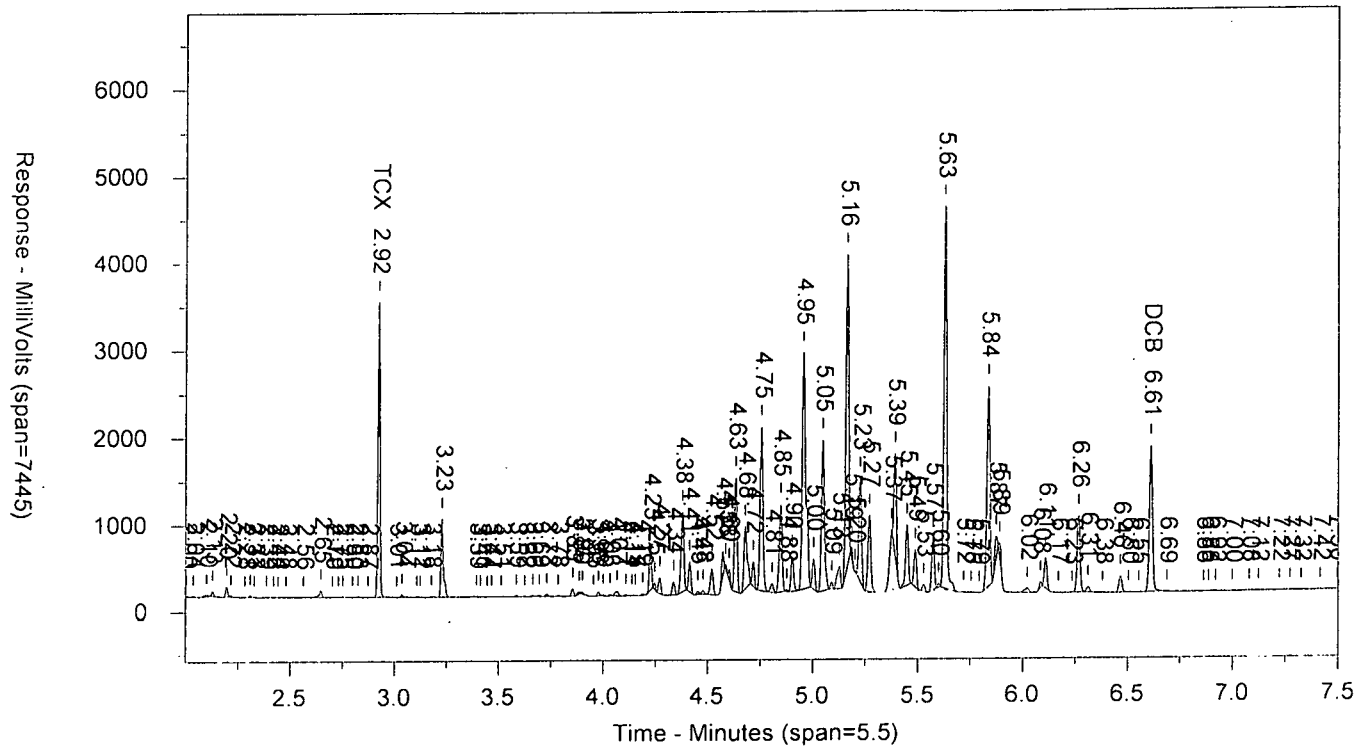

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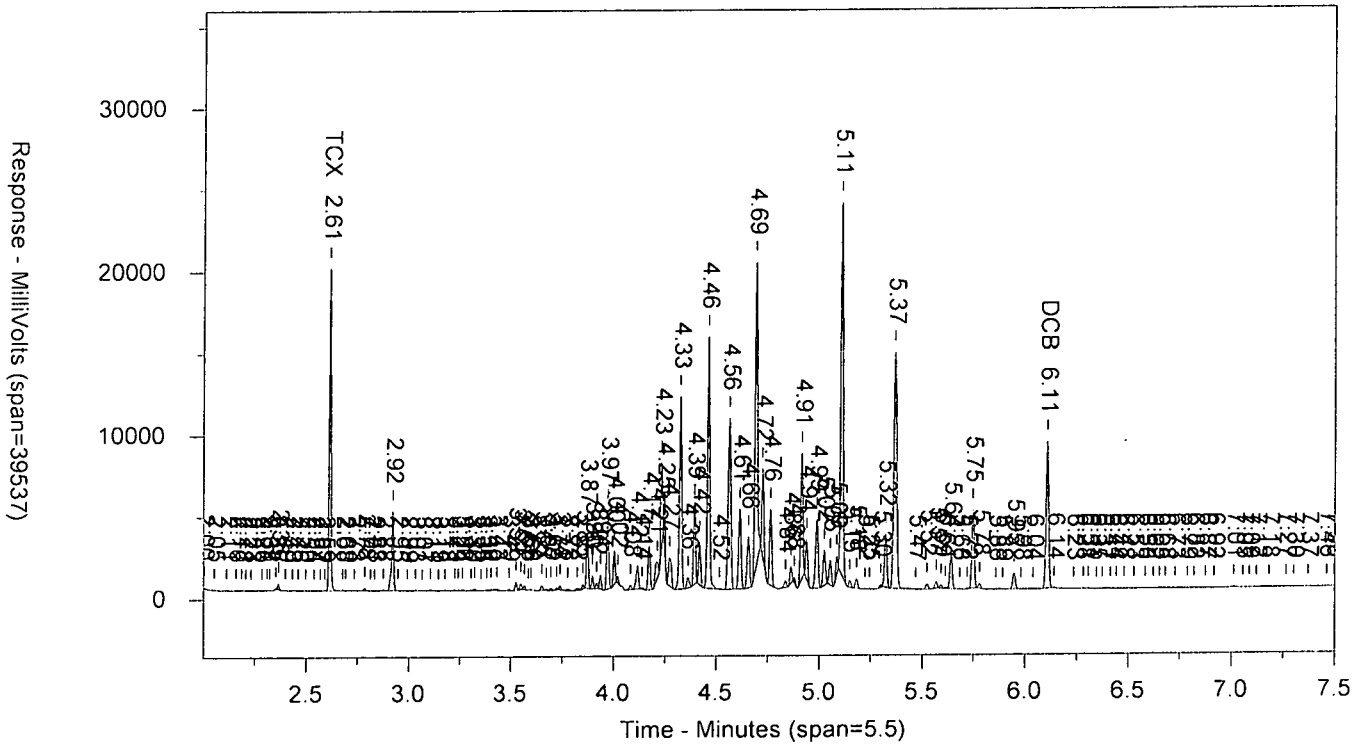

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Data Summary

Sample Name: 9001112 ACF 51A06 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.12 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 08:35:36
Instrument	17342A
Result file	20PCBS17137007.067.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 99% (61 - 152) Conc: 28.7262
%SSR(DCB) 81% (48 - 164) Conc: 23.48038

Analysis Report (B)

Injected on	May 25, 2017 08:35:36
Instrument	17342B
Result file	20PCBS17137007B.067.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 28.2374
%SSR(DCB) 61% (48 - 164) Conc: 17.55622

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3303633	28.7262
Decachlorobiphenyl	6.58	6.61	6.64	1635225	23.48038

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	19755010	28.2374
Decachlorobiphenyl	6.08	6.11	6.14	8655651	17.55622

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	28.7262				1.72	
☑	Decachlorobiphenyl	A	23.48038				28.87	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**26.91**	
4.73	4.76	4.77	1211169	285.571931			1
5.03	5.05	5.07	1120725	478.241035			2
5.20	5.23	5.24	738382.4	269.094586			3
5.37	5.39	5.41	719034.1	229.660884			4
5.61	5.63	5.65	2473208	325.872507			5
5.82	5.84	5.86	1436164	336.851344			6

Height summation: **7698682.5**
Concentration CF: **320.882048** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.55**	
4.31	4.33	4.35	7272300	254.520625			1
4.44	4.46	4.48	10180870	302.151758			2
4.55	4.57	4.59	6205225	228.894524			3
4.90	4.92	4.94	4461806	214.113768			4
5.09	5.11	5.13	13191280	278.940779			5
5.35	5.37	5.39	8083354	255.516311			6

Height summation: **49394835**
Concentration CF: **255.689628** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<50.3953	<9.7826			4	
☑	PCB-1221			<50.3953	<15.1186			3	
☑	PCB-1232			<50.3953	<12.1542			4	
☑	PCB-1242			<50.3953	<12.1542			4	
☑	PCB-1248			<50.3953	<9.7826			4	
☑	PCB-1254			<50.3953	<13.0435			4	
☑	PCB-1260	A	320.882048	50.3953	11.5613		22.61	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001112**ACF 51A06 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.12 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:35:36
Instrument : CP20--17342A
Result file : 20PCBS17137007.067.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 99% (61-152) Conc.: 28.7262
%SSR(DCB) : 81% (48-164) Conc.: 23.48038

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**100.15**	
3.16	3.18	3.20	7781.61	3.747472			1
3.37	3.38	3.41	6664.348	3.143052			2
3.49	3.52	3.53	4675.654	1.958666			3
3.71	3.73	3.75	13742.96	5.196198			4
3.76	3.79	3.80	6767.464	3.128373			5
+ 3.96	3.96	4.00	1307.327	0.753701			6
3.96	3.98	4.00	29981.91	17.28518			6
Height Summation:			**69613.946**				
Amount Avg CF:			**5.743157**	Linear:			
Aroclor-1221					**2**	**43.44**	
3.11	3.12	3.15	4544.336	5.284468			2
3.16	3.18	3.20	7781.61	2.80106			3
Height Summation:			**12325.946**				
Amount Avg CF:			**4.042764**	Linear:			
Aroclor-1232					**6**	**117.55**	
3.16	3.18	3.20	7781.61	3.122665			1
3.38	3.38	3.42	6664.348	6.646153			2
3.49	3.52	3.53	4675.654	4.249629			3
3.71	3.73	3.75	13742.96	11.51436			4
3.77	3.79	3.81	6767.464	7.232308			5
3.96	3.98	4.00	29981.91	41.449676			6
Height Summation:			**69613.946**				
Amount Avg CF:			**12.369132**	Linear:			
Aroclor-1242					**6**	**101.97**	
3.16	3.18	3.20	7781.61	4.37441			1
3.38	3.38	3.42	6664.348	3.793859			2
3.49	3.52	3.53	4675.654	2.430827			3
3.71	3.73	3.75	13742.96	6.351255			4
3.77	3.79	3.81	6767.464	3.994586			5
3.96	3.98	4.00	29981.91	21.648175			6
Height Summation:			**69613.946**				
Amount Avg CF:			**7.098852**	Linear:			
Aroclor-1248					**6**	**165.50**	
3.76	3.79	3.80	6767.464	5.761987			1
3.83	3.86	3.87	61745.12	28.907663			2
3.96	3.98	4.00	29981.91	11.918992			3
4.05	4.07	4.09	35591.45	17.020471			4
4.23	4.23	4.27	316649.1	127.828486			5
+ 4.23	4.25	4.27	63020.76	25.440932			5
4.61	4.64	4.65	860265.4	473.745979			6
Height Summation:			**1311000.444**				
Amount Avg CF:			**110.863929**	Linear:			
Aroclor-1254					**6**	**88.48**	
4.21	4.23	4.25	316649.1	108.417865			1
4.55	4.57	4.59	258083.3	87.928262			2
4.61	4.64	4.65	860265.4	145.116245			3
4.73	4.76	4.77	1211169	680.675311			4
4.83	4.85	4.87	664494.2	169.620389			5
5.14	5.17	5.18	2224059	552.669972			6
Height Summation:			**5534720**				
Amount Avg CF:			**290.738007**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:35:36
Instrument : CP20--17342B
Result file : 20PCBS17137007B.067.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 98% (61-152) Conc.: 28.2374
%SSR(DCB) : 61% (48-164) Conc.: 17.55622

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**79.83**	
+ 3.21	3.22	3.25	30294.96	2.130341			2
3.21	3.24	3.25	51621.97	3.630055			2
+ 3.40	3.40	3.44	45822.19	3.206725			3
3.40	3.43	3.44	53889.55	3.771294			3
3.47	3.49	3.51	40553.09	2.399793			4
3.63	3.65	3.67	194717.1	13.714471			5
+ 3.72	3.73	3.76	32744.29	2.691421			6
3.72	3.74	3.76	185465.9	15.244392			6
Height Summation:			**526247.61**				
Amount Avg CF:			**7.752001**	Linear:			
Aroclor-1221					**2**	**105.81**	
2.77	2.78	2.81	220898	36.577623			1
2.83	2.83	2.87	19611.04	5.267821			2
Height Summation:			**240509.04**				
Amount Avg CF:			**20.922722**	Linear:			
Aroclor-1232					**5**	**91.03**	
+ 3.21	3.22	3.25	30294.96	4.483622			2
3.21	3.24	3.25	51621.97	7.639997			2
+ 3.40	3.40	3.44	45822.19	7.580136			3
3.40	3.43	3.44	53889.55	8.914679			3
3.47	3.49	3.51	40553.09	5.460384			4
+ 3.66	3.67	3.70	62539.84	30.834725			5
3.66	3.70	3.70	95069.12	46.873004			5
+ 3.73	3.73	3.77	32744.29	6.157806			6
3.73	3.74	3.77	185465.9	34.878236			6
Height Summation:			**426599.63**				
Amount Avg CF:			**20.75326**	Linear:			
Aroclor-1242					**5**	**80.87**	
+ 3.21	3.22	3.25	30294.96	2.578111			2
3.21	3.24	3.25	51621.97	4.393046			2
+ 3.40	3.40	3.44	45822.19	3.965383			3
3.40	3.43	3.44	53889.55	4.66352			3
3.47	3.49	3.51	40553.09	3.070583			4
3.64	3.65	3.68	194717.1	17.906799			5
+ 3.64	3.67	3.68	62539.84	5.751361			5
+ 3.73	3.73	3.77	32744.29	3.36182			6
3.73	3.74	3.77	185465.9	19.041576			6
Height Summation:			**526247.61**				
Amount Avg CF:			**9.815105**	Linear:			
Aroclor-1248					**6**	**167.51**	
+ 3.40	3.40	3.44	45822.19	8.130631			1
3.40	3.43	3.44	53889.55	9.562093			1
3.51	3.53	3.55	358493.8	22.55369			2
3.63	3.65	3.67	194717.1	9.805059			3
+ 3.72	3.73	3.76	32744.29	2.283524			4
3.72	3.74	3.76	185465.9	12.934035			4
3.86	3.87	3.90	2348928	86.484638			5
4.22	4.24	4.26	4459500	371.361424			6
Height Summation:			**7600994.35**				
Amount Avg CF:			**85.450156**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001112** ACF 51A06 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.12 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:35:36
Instrument : CP20--17342A
Result file : 20PCBS17137007.067.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	26.91	
4.73	4.76	4.77	1211169	285.571931			1
5.03	5.05	5.07	1120725	478.241035			2
5.20	5.23	5.24	738382.4	269.094586			3
+ 5.37	5.38	5.41	77109.85	24.629035			4
5.37	5.39	5.41	719034.1	229.660884			4
5.61	5.63	5.65	2473208	325.872507			5
5.82	5.84	5.86	1436164	336.851344			6
Height Summation:			**7698682.5**				
Amount Avg CF:			**320.882048**	Linear:			
Aroclor-1262					6	43.49	
5.21	5.23	5.24	738382.4	146.153631			1
+ 5.37	5.38	5.41	77109.85	18.893111			2
5.37	5.39	5.41	719034.1	176.174526			2
E 5.61	5.63	5.65	2473208	250.715718			3
E 5.81	5.84	5.85	1436164	263.437254			4
5.87	5.88	5.91	150082.8	55.57276			5
+ 5.87	5.89	5.91	101172.8	37.462333			5
6.25	6.27	6.29	518003.7	157.659842			6
Height Summation:			**6034875**				
Amount Avg CF:			**174.952289**	Linear:			
Aroclor-1268					6	122.55	
5.81	5.84	5.85	1436164	118.469306			1
5.87	5.88	5.91	150082.8	14.189272			2
+ 5.87	5.89	5.91	101172.8	9.565176			2
6.00	6.02	6.04	34441.51	3.492047			3
6.07	6.09	6.11	44244.31	19.567081			4
6.25	6.27	6.29	518003.7	127.153708			5
6.45	6.47	6.49	117299	3.679303			6
Height Summation:			**2300235.32**				
Amount Avg CF:			**47.758453**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:35:36
Instrument : CP20--17342B
Result file : 20PCBS17137007B.067.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	89.03	
4.16	4.17	4.19	1788789	84.550008			1
4.22	4.24	4.26	4459500	118.795779			2
4.31	4.33	4.35	7272300	416.446309			3
4.38	4.40	4.42	3383144	134.064775			4
4.44	4.46	4.48	10180870	700.576833			5
4.60	4.62	4.64	3076348	173.765379			6
Height Summation:			**30160951**				
Amount Avg CF:			**271.366514**	Linear:			
Aroclor-1260					6	12.55	
4.31	4.33	4.35	7272300	254.520625			1
4.44	4.46	4.48	10180870	302.151758			2
4.55	4.57	4.59	6205225	228.894524			3
4.90	4.92	4.94	4461806	214.113768			4
5.09	5.11	5.13	13191280	278.940779			5
5.35	5.37	5.39	8083354	255.516311			6
Height Summation:			**49394835**				
Amount Avg CF:			**255.689628**	Linear:			
Aroclor-1262					6	40.02	
4.71	4.73	4.75	3201794	97.611446			1
4.90	4.92	4.94	4461806	136.743036			2
E 5.09	5.11	5.13	13191280	212.544477			3
5.31	5.33	5.35	1805516	70.206037			4
5.35	5.37	5.39	8083354	195.274783			5
5.73	5.75	5.77	2681802	119.710025			6
Height Summation:			**33425552**				
Amount Avg CF:			**138.681634**	Linear:			
Aroclor-1268					6	120.84	
5.31	5.33	5.35	1805516	21.55669			1
5.35	5.37	5.39	8083354	95.322445			2
5.51	5.53	5.55	209576.9	2.876712			3
5.57	5.59	5.61	120443.7	6.837909			4
5.73	5.75	5.77	2681802	93.952573			5
5.93	5.95	5.97	620858.4	2.861904			6
Height Summation:			**13521551**				
Amount Avg CF:			**37.234706**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.3953	9.7826		29.77	4	40	
Aroclor-1221			50.3953	15.1186		** 135.23	3	5	
Aroclor-1232			50.3953	12.1542		** 50.63	4	10	
Aroclor-1242			50.3953	12.1542		32.12	4	30	
Aroclor-1248			50.3953	9.7826		25.89	4	40	
Aroclor-1254			50.3953	13.0435		6.89	4	40	
Aroclor-1260			50.3953	11.5613		22.61	4	40	
Aroclor-1262			50.3953	9.7826	E	23.13	4	40	
Aroclor-1268			50.3953	9.7826		24.76	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001112ACF AB51A06 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:35:36 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.067.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.005		5982	2797
2.037		8351	7726
2.101		12256	16882
2.13		83465	53705
2.197		85453	55893
2.217		9912	5390
2.309		34500	22534
2.387		5047	8030
2.421		3307	2355
2.51		1353	1292
2.567		2888	4469
2.647		54862	53219
2.702		1421	1187
2.732		2415	1429
2.75		6056	5102
2.796		1964	1407
2.825		5350	4249
2.879		2096	2546
2.924	TCX	3303633	2172179
3.037		38875	23667
3.108		2397	1227
3.124		4544	3554
3.18		7782	9623
3.229		905583	689513
3.294		2209	1680
3.384		6664	9300
3.448		1299	1003
3.481		2408	2709
3.516		4676	5615
3.555		1140	1060
3.588		9258	7696
3.624		2035	1839
3.666		8197	7826
3.697		9525	8834
3.734		13743	12078
3.79		6767	7939
3.856		61745	45361
3.882		22880	15982
3.904		25706	17879
3.955		1307	891
3.98		29982	20965
4.003		7875	4760
4.034		12181	8594
4.069		35591	34195
4.111		8367	6924
4.139		3007	1738
4.158		1835	1524
4.191		12061	9817
4.228		316649	234472
4.249		63021	34614
4.272		134661	106103
4.34		111720	89719
4.382		602441	574416
4.416		237098	193432

RT A	Compound A	Height A	Area A
4.456		23066	17347
4.48		26903	19884
4.522		187645	175961
4.575		258083	281718
4.605		94719	55983
4.636		860265	762561
4.681		428945	503135
4.719		175280	133983
4.757		1211169	1115875
4.808		74074	65152
4.849		664494	648059
4.878		12276	6644
4.904		254861	241263
4.957		1737316	2058435
5.006		219844	196512
5.05		1120725	1096396
5.092		55894	39238
5.129		161935	203726
5.166		2224059	2002407
5.188		69716	31558
5.229		738382	660963
5.271		525286	520309
5.376		77110	76182
5.393		719034	569272
5.451		419958	437231
5.49		245165	243751
5.531		49924	48920
5.576		381105	341722
5.603		31776	18679
5.633		2473208	2339214
5.668		20637	12255
5.721		5655	5439
5.751		2443	2195
5.798		1537	956
5.839		1436164	1380123
5.876		150083	151915
5.893		101173	66055
6.024		34442	49815
6.088		44244	32121
6.111		210906	189132
6.175		2852	2978
6.235		2137	1454
6.268		518004	518524
6.313		38109	36972
6.402		3047	5886
6.469		117299	121614
6.508		2894	2390
6.614	DCB	1635225	1717341
6.69		1897	1612
6.886		1426	2513
6.924		2187	3135
7.089		1223	1615
7.127		1431	1419
7.195		625	714
7.286		1513	5021
7.64		626	1566
7.672		1015	1726
7.782		6203	9260
7.842		1190	2049
8.023		782	776
8.152		1378	5827
8.592		2328	4870

LANCASTER LABORATORIES

Sample Number: 9001112ACF AB51A06 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:35:36 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.067.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		6388	4088
2.052		34241	30173
2.113		37478	46851
2.142		2924	932
2.157		25450	19459
2.185		12561	6644
2.203		9111	9470
2.229		9482	5017
2.262		2797	1275
2.279		7577	5079
2.308		7649	4243
2.319		11248	4521
2.352		25260	16319
2.363		228000	116565
2.398		15711	14662
2.432		9704	7671
2.47		10585	10687
2.502		8613	5619
2.538		12330	13635
2.568		10581	6308
2.614	TCX	19755010	11100710
2.677		10891	5177
2.693		7327	10528
2.734		20035	11807
2.784		220898	118795
2.811		18956	18006
2.834		19611	16801
2.876		30434	19101
2.921		5020220	3216193
2.947		15010	6440
2.97		7351	5047
2.995		3378	2323
3.033		13717	8935
3.056		7325	7553
3.106		28153	27995
3.146		13933	14201
3.179		11307	24996
3.225		30295	20233
3.243		51622	27247
3.264		27766	21037
3.322		81904	71901
3.353		7480	3872
3.383		51245	36386
3.403		45822	24133
3.433		53890	29184
3.492		40553	28181
3.526		358494	222868
3.549		206197	114285
3.567		212457	111906
3.598		68537	46237
3.652		194717	119778
3.675		62540	33117
3.697		95069	69778
3.726		32744	16259

RT B	Compound B	Height B	Area B
3.741		185466	108215
3.779		55010	46545
3.823		59326	55069
3.852		208125	123733
3.874		2348929	1492442
3.9		604162	359897
3.919		242724	123378
3.938		581479	355938
3.973		3352438	2205981
4.005		1477998	938561
4.022		263499	121501
4.083		179457	143475
4.118		970943	698525
4.143		53985	44042
4.175		1788789	1306296
4.21		781859	773966
4.235		4459501	4475340
4.274		1107887	1111319
4.326		7272300	5511204
4.364		421570	365099
4.396		3383144	2238391
4.421		1610787	1142762
4.463		10180870	7482368
4.516		23203	17519
4.566		6205225	6023790
4.616		3076348	2510406
4.658		1908347	1646674
4.694		10658350	9158344
4.726		3201794	2175393
4.765		2914580	2190499
4.838		405635	351343
4.864		605187	399468
4.881		239180	135975
4.916		4461806	3371728
4.939		1518191	1014365
4.99		2486953	2220341
5.026		1406198	1099612
5.055		928784	755195
5.088		727540	436643
5.109		13191280	10315930
5.151		248994	181783
5.183		346013	286629
5.227		6222	4056
5.247		19621	13695
5.281		8376	4747
5.301		99895	61277
5.326		1805516	1527781
5.37		8083354	8463579
5.469		8244	6884
5.526		209577	181300
5.57		259047	197485
5.594		120444	82210
5.616		27655	15592
5.643		1217344	993938
5.683		9311	8574
5.723		16417	10275
5.75		2681802	2266619
5.781		169377	131066
5.828		4341	2412
5.859		8506	13109
5.949		620858	532452
5.981		6085	9920
6.039		2865	2567
6.108	DCB	8655651	7470781
6.239		5649	4863
6.284		11880	9022

RT B	Compound B	Height B	Area B
6.309		17046	15451
6.346		3301	2679
6.377		6743	4819
6.413		2854	1553
6.443		3522	2783
6.477		8490	13529
6.53		10577	12543
6.586		16149	15828
6.623		2638	1784
6.664		1863	2319
6.725		2976	5335
6.787		6562	7522
6.847		2861	2609
6.881		2861	2199
6.923		4273	8406
7.014		29950	27786
7.061		3753	5814
7.092		6476	5769
7.186		4850	12232
7.304		2838	8304
7.376		6624	7239
7.433		4658	9738
7.495		2907	2883
7.559		3258	3628
7.608		15556	29847
7.718		3577	6707
7.781		5925	10452
7.866		2370	7090
7.944		3292	5700
8.054		3543	4816
8.112		7912	17973
8.223		27797	50097
8.357		2698	3465
8.437		14227	32785
8.577		1785	989

9001112ACF AB51A06 T 171430031A 10225 SW-846 8082

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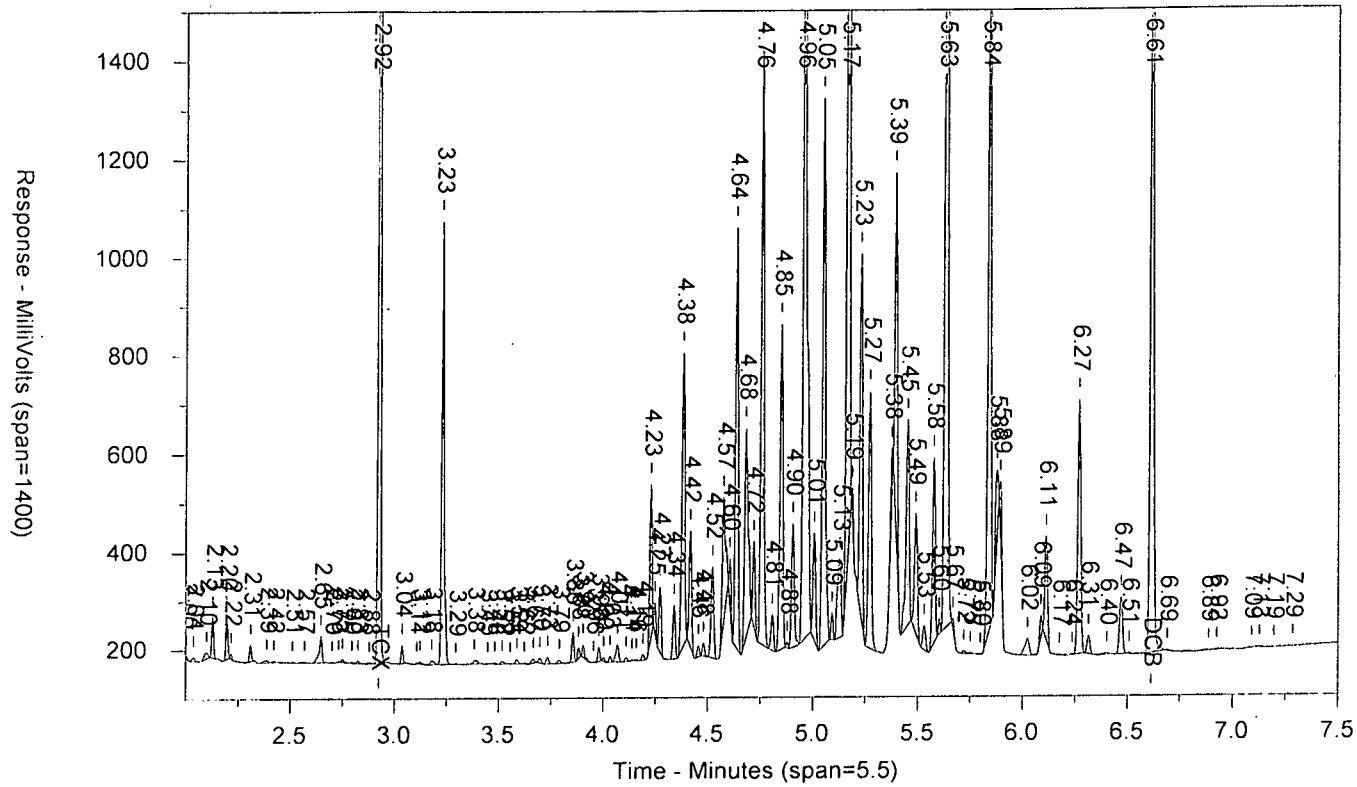

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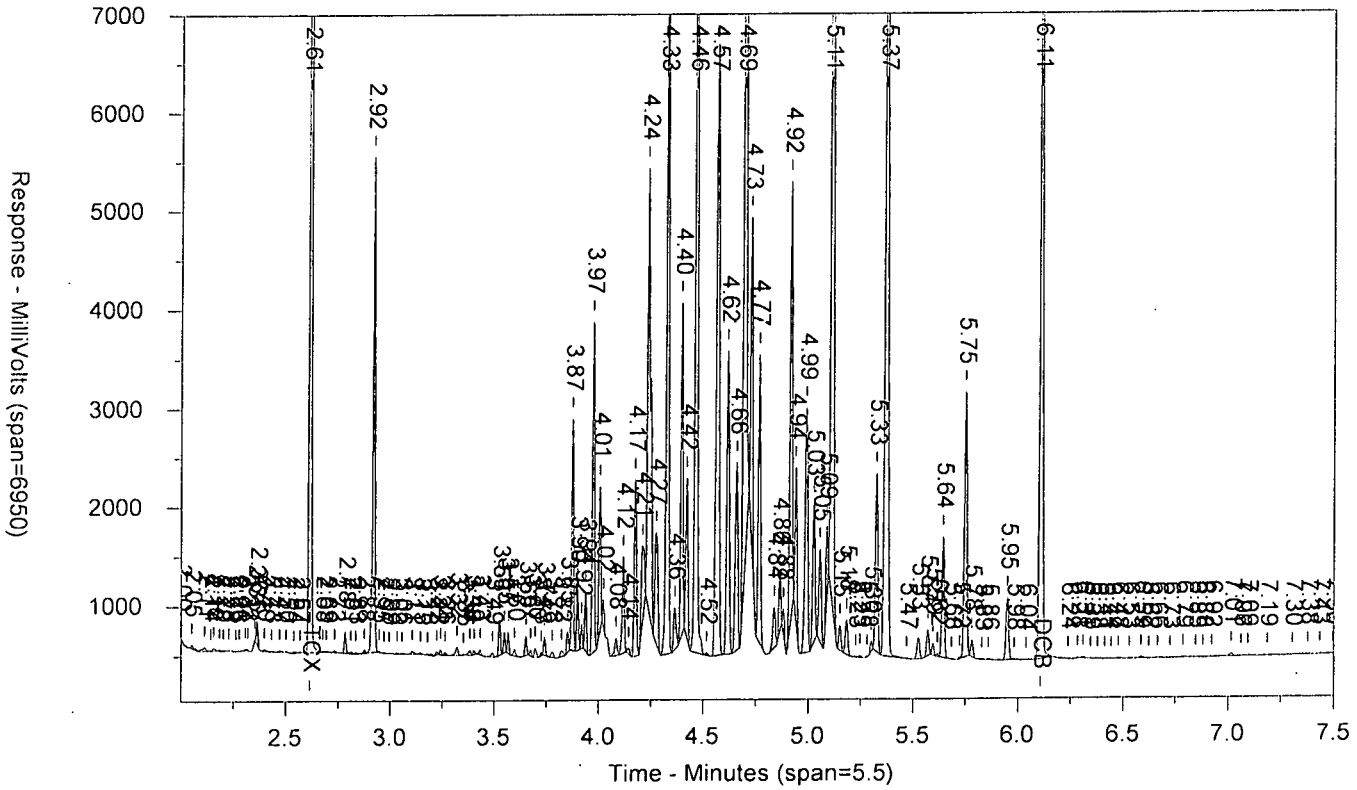


LANCASTER LABORATORIES

Sample Number: 9001112ACF AB51A06 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:35:36 AM Sample Weight: 10.12
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

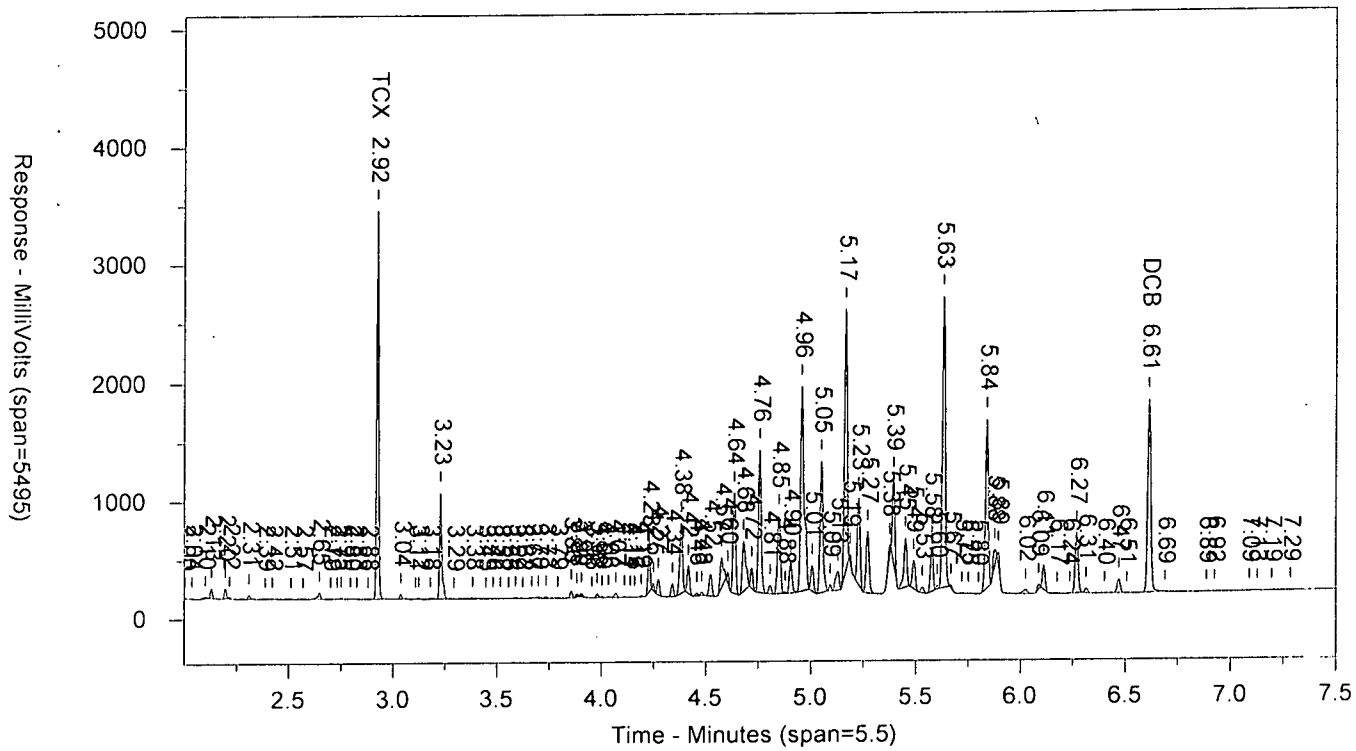
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3303633	28.726	TCX	2.614	19755010	28.237	TCX
6.614	1635225	23.48	DCB	6.108	8655651	17.556	DCB

Files:
Area File: 20pcbs17137007.067.RAW
Area File: 20pcbs17137007B.067.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 8:44:20 AM
File Reported On: 5/25/2017 at 8:44:26 AM

9001112ACF AB51A06 T 171430031A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137007.067.RAW



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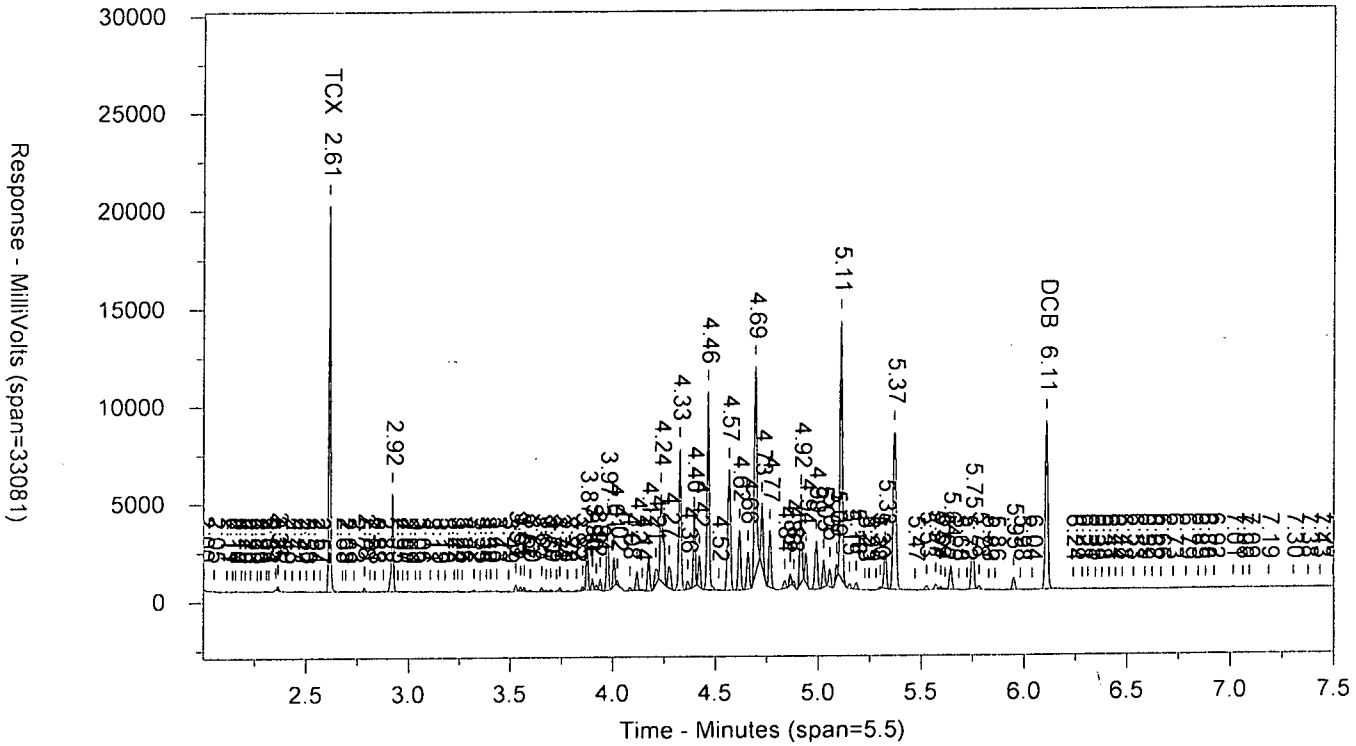

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Data Summary

Sample Name: 9001113 ACF 51A07 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.04 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 08:47:05
Instrument	17342A
Result file	20PCBS17137007.068.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 109% (61 - 152) Conc: 31.73353
%SSR(DCB) 101% (48 - 164) Conc: 29.57104

Analysis Report (B)

Injected on	May 25, 2017 08:47:05
Instrument	17342B
Result file	20PCBS17137007B.068.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 103% (61 - 152) Conc: 30.13146
%SSR(DCB) 77% (48 - 164) Conc: 22.54561

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3620640	31.73353
Decachlorobiphenyl	6.58	6.61	6.64	2043112	29.57104

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	20913470	30.13146
Decachlorobiphenyl	6.08	6.11	6.14	11027670	22.54561

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	31.73353				5.18	
☑ Decachlorobiphenyl	A	29.57104				26.96	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.08**	
4.73	4.76	4.77	665211.7	158.094751			1
5.03	5.05	5.07	558204.9	240.097823			2
5.20	5.23	5.24	445251.9	163.559662			3
5.37	5.39	5.41	414317.5	133.388265			4
5.61	5.63	5.65	1521924	202.12817			5
5.82	5.84	5.86	856440.1	202.478093			6

Height summation: **4461350.1**
Concentration CF: **183.291127** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.22**	
4.31	4.33	4.35	4243031	149.683593			1
4.44	4.46	4.48	5520824	165.154699			2
4.55	4.57	4.59	4113739	152.954199			3
4.90	4.92	4.94	3033243	146.719526			4
5.09	5.11	5.13	8554616	182.335986			5
5.35	5.37	5.39	5803216	184.902407			6

Height summation: **31268669**
Concentration CF: **163.625068** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<50.7968	<9.8606			4	
☑ PCB-1221			<50.7968	<15.239			3	
☑ PCB-1232			<50.7968	<12.251			4	
☑ PCB-1242			<50.7968	<12.251			4	
☑ PCB-1248			<50.7968	<9.8606			4	
☑ PCB-1254			<50.7968	<13.1474			4	
☑ PCB-1260	A	183.291127	50.7968	11.6534		11.34	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomzyko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001113** ACF 51A07 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.04 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:47:05
Instrument : CP20--17342A
Result file : 20PCBS17137007.068.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 109% (61-152) Conc.: 31.73353
%SSR(DCB) : 101% (48-164) Conc.: 29.57104

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	77.01	
3.16	3.18	3.20	4281.575	2.078353			1
3.37	3.40	3.41	4298.875	2.043598			2
3.49	3.51	3.53	1041.008	0.439561			3
3.71	3.74	3.75	16157.63	6.157861			4
3.76	3.79	3.80	4505.247	2.09922			5
+ 3.96	3.96	4.00	1355.499	0.7877			6
3.96	3.98	4.00	11019.14	6.403377			6
Height Summation:			**41303.475**				
Amount Avg CF:			**3.203662**	Linear:			
Aroclor-1221					3	72.20	
3.06	3.07	3.10	2306.711	2.337448			1
3.11	3.12	3.15	5136.998	6.021255			2
3.16	3.18	3.20	4281.575	1.553472			3
Height Summation:			**11725.284**				
Amount Avg CF:			**3.304058**	Linear:			
Aroclor-1232					6	88.27	
3.16	3.18	3.20	4281.575	1.731834			1
3.38	3.40	3.42	4298.875	4.321299			2
+ 3.49	3.51	3.53	1041.008	0.953695			3
3.49	3.53	3.53	1536.724	1.407834			3
3.71	3.74	3.75	16157.63	13.645329			4
3.77	3.79	3.81	4505.247	4.853068			5
3.96	3.98	4.00	11019.14	15.355231			6
Height Summation:			**41799.191**				
Amount Avg CF:			**6.885766**	Linear:			
Aroclor-1242					6	75.54	
3.16	3.18	3.20	4281.575	2.426054			1
3.38	3.40	3.42	4298.875	2.46675			2
+ 3.49	3.51	3.53	1041.008	0.545522			3
3.49	3.53	3.53	1536.724	0.805294			3
3.71	3.74	3.75	16157.63	7.526685			4
3.77	3.79	3.81	4505.247	2.680472			5
3.96	3.98	4.00	11019.14	8.01967			6
Height Summation:			**41799.191**				
Amount Avg CF:			**3.987487**	Linear:			
Aroclor-1248					6	169.45	
3.76	3.79	3.80	4505.247	3.866444			1
3.83	3.86	3.87	23126.25	10.913457			2
+ 3.96	3.96	4.00	1355.499	0.543158			3
3.96	3.98	4.00	11019.14	4.415447			3
4.05	4.07	4.09	16652.79	8.027119			4
4.23	4.23	4.27	191320.1	77.849672			5
+ 4.23	4.25	4.27	32545.79	13.243141			5
4.61	4.64	4.65	492093	273.153688			6
Height Summation:			**738716.527**				
Amount Avg CF:			**63.037638**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:47:05
Instrument : CP20--17342B
Result file : 20PCBS17137007B.068.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 103% (61-152) Conc.: 30.13146
%SSR(DCB) : 77% (48-164) Conc.: 22.54561

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	113.54	
2.88	2.91	2.92	366569.5	32.288755			1
+ 3.21	3.23	3.25	13096.35	0.928273			2
3.21	3.24	3.25	67445.19	4.780534			2
+ 3.40	3.40	3.44	59483.07	4.195909			3
3.40	3.43	3.44	85200.43	6.01			3
3.47	3.49	3.51	26919.15	1.605676			4
3.63	3.65	3.67	85248.29	6.052119			5
+ 3.72	3.73	3.76	15800.7	1.309089			6
3.72	3.74	3.76	102518.9	8.493697			6
Height Summation:			**733901.46**				
Amount Avg CF:			**9.871797**	Linear:			
Aroclor-1221					3	100.86	
2.77	2.78	2.81	20861.99	3.48198			1
2.83	2.83	2.87	21612.82	5.851788			2
+ 2.83	2.86	2.87	2728.121	0.738654			2
2.88	2.91	2.92	366569.5	23.925395			3
Height Summation:			**409044.31**				
Amount Avg CF:			**11.086388**	Linear:			
Aroclor-1232					6	52.83	
2.88	2.91	2.92	366569.5	26.429129			1
+ 3.21	3.23	3.25	13096.35	1.95369			2
3.21	3.24	3.25	67445.19	10.061353			2
+ 3.40	3.40	3.44	59483.07	9.918394			3
3.40	3.43	3.44	85200.43	14.206587			3
3.47	3.49	3.51	26919.15	3.653485			4
+ 3.66	3.68	3.70	28621.44	14.223995			5
3.66	3.70	3.70	47104.22	23.409381			5
+ 3.73	3.73	3.77	15800.7	2.995115			6
3.73	3.74	3.77	102518.9	19.433059			6
Height Summation:			**695757.39**				
Amount Avg CF:			**16.198832**	Linear:			
Aroclor-1242					6	108.37	
2.88	2.91	2.92	366569.5	37.552384			1
+ 3.21	3.23	3.25	13096.35	1.123384			2
3.21	3.24	3.25	67445.19	5.785341			2
+ 3.40	3.40	3.44	59483.07	5.188591			3
3.40	3.43	3.44	85200.43	7.431866			3
3.47	3.49	3.51	26919.15	2.054494			4
3.64	3.65	3.68	85248.29	7.90217			5
+ 3.73	3.73	3.77	15800.7	1.635166			6
3.73	3.74	3.77	102518.9	10.609369			6
Height Summation:			**733901.46**				
Amount Avg CF:			**11.889271**	Linear:			
Aroclor-1248					6	146.42	
+ 3.40	3.40	3.44	59483.07	10.638701			1
3.40	3.43	3.44	85200.43	15.238317			1
3.51	3.53	3.55	150376.5	9.535923			2
3.63	3.65	3.67	85248.29	4.326917			3
+ 3.72	3.73	3.76	15800.7	1.110691			4
3.72	3.74	3.76	102518.9	7.206439			4
3.86	3.87	3.90	1417060	52.590138			5
4.22	4.23	4.26	1907709	160.128836			6
+ 4.22	4.25	4.26	453586.3	38.073022			6
Height Summation:			**3748113.12**				
Amount Avg CF:			**41.504428**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001113** ACF 51A07 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.04 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:47:05
Instrument : CP20--17342A
Result file : 20PCBS17137007.068.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	93.69	
4.21	4.23	4.25	191320.1	66.028281			1
4.55	4.57	4.59	74368.59	25.539061			2
+ 4.55	4.59	4.59	21600.51	7.417873			2
4.61	4.64	4.65	492093	83.671502			3
4.73	4.76	4.77	665211.7	376.826929			4
4.83	4.85	4.87	315538.4	81.186885			5
5.14	5.17	5.18	1240531	310.723418			6
Height Summation:			**2979062.79**				
Amount Avg CF:			**157.329346**	Linear:			
Aroclor-1260					6	21.08	
4.73	4.76	4.77	665211.7	158.094751			1
5.03	5.05	5.07	558204.9	240.097823			2
5.20	5.23	5.24	445251.9	163.559662			3
+ 5.37	5.38	5.41	39470.34	12.707356			4
5.37	5.39	5.41	414317.5	133.388265			4
5.61	5.63	5.65	1521924	202.12817			5
5.82	5.84	5.86	856440.1	202.478093			6
Height Summation:			**4461350.1**				
Amount Avg CF:			**183.291127**	Linear:			
Aroclor-1262					6	45.75	
5.21	5.23	5.24	445251.9	88.834335			1
+ 5.37	5.38	5.41	39470.34	9.747905			2
5.37	5.39	5.41	414317.5	102.323103			2
5.61	5.63	5.65	1521924	155.510846			3
5.81	5.84	5.85	856440.1	158.349592			4
5.87	5.88	5.91	69235.97	25.841018			5
+ 5.87	5.89	5.91	63349.29	23.643926			5
6.25	6.27	6.29	358441	109.964551			6
Height Summation:			**3665610.47**				
Amount Avg CF:			**106.803907**	Linear:			
Aroclor-1268					6	121.74	
5.81	5.84	5.85	856440.1	71.210757			1
5.87	5.88	5.91	69235.97	6.597931			2
+ 5.87	5.89	5.91	63349.29	6.036952			2
6.00	6.02	6.04	32785.69	3.35065			3
6.07	6.09	6.11	35646.95	15.890509			4
6.25	6.27	6.29	358441	88.68714			5
6.45	6.47	6.49	90854.88	2.872541			6
Height Summation:			**1443404.59**				
Amount Avg CF:			**31.434921**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:47:05
Instrument : CP20--17342B
Result file : 20PCBS17137007B.068.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	95.05	
4.16	4.17	4.19	820179.5	39.076013			1
4.22	4.23	4.26	1907709	51.224033			2
+ 4.22	4.25	4.26	453586.3	12.179279			2
4.31	4.33	4.35	4243031	244.912096			3
4.38	4.40	4.42	1513236	60.44323			4
4.44	4.46	4.48	5520824	382.931931			5
4.60	4.62	4.64	1695755	96.546758			6
Height Summation:			**15700734.5**				
Amount Avg CF:			**145.855677**	Linear:			
Aroclor-1260					6	10.22	
4.31	4.33	4.35	4243031	149.683593			1
4.44	4.46	4.48	5520824	165.154699			2
4.55	4.57	4.59	4113739	152.954199			3
4.90	4.92	4.94	3033243	146.719526			4
5.09	5.11	5.13	8554616	182.335986			5
5.35	5.37	5.39	5803216	184.902407			6
Height Summation:			**31268669**				
Amount Avg CF:			**163.625068**	Linear:			
Aroclor-1262					6	35.86	
4.71	4.73	4.75	2381604	73.185275			1
4.90	4.92	4.94	3033243	93.701931			2
5.09	5.11	5.13	8554616	138.934533			3
5.31	5.32	5.35	1362868	53.416289			4
5.35	5.37	5.39	5803216	141.30909			5
5.73	5.75	5.77	2003694	90.153379			6
Height Summation:			**23139241**				
Amount Avg CF:			**98.450083**	Linear:			
Aroclor-1268					6	115.11	
5.31	5.32	5.35	1362868	16.401415			1
5.35	5.37	5.39	5803216	68.979352			2
5.51	5.52	5.55	200812.8	2.778377			3
5.57	5.59	5.61	151029.6	8.642674			4
5.73	5.75	5.77	2003694	70.755494			5
5.93	5.95	5.97	500652.5	2.326193			6
Height Summation:			**10022272.9**				
Amount Avg CF:			**28.313917**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.7968	9.8606		** 101.99	4	40	
Aroclor-1221			50.7968	15.239		** 108.16	3	5	
Aroclor-1232			50.7968	12.251		** 80.69	4	10	
Aroclor-1242			50.7968	12.251		** 99.54	4	30	
Aroclor-1248			50.7968	9.8606		** 41.20	4	40	
Aroclor-1254			50.7968	13.1474		7.57	4	40	
Aroclor-1260			50.7968	11.6534		11.34	4	40	
Aroclor-1262			50.7968	9.8606		8.14	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001113** ACF 51A07 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.04 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: May 25, 2017 08:47:05
Instrument	: CP20--17342A
Result file	: 20PCBS17137007.068.RAW
Calibration file	: 20PCBS1713701.CAL
Method file	: 20PCBS.MET

Analysis Report (B)

Injected on	: May 25, 2017 08:47:05
Instrument	: CP20--17342B
Result file	: 20PCBS17137007B.068.RAW
Calibration file	: 20PCBS1713701B.CAL
Method file	: 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			50.7968	9.8606		10.45	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001113ACF AB51A07 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:47:05 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.068.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.004		2236	996
2.037		6715	5769
2.069		1518	678
2.099		11902	15970
2.129		104007	66843
2.155		3781	2909
2.197		39394	26722
2.217		12872	8734
2.282		2947	1904
2.31		40044	26331
2.388		18823	18691
2.422		1690	946
2.444		1703	1263
2.474		5326	4913
2.567		3691	3314
2.625		14903	9133
2.647		27946	17150
2.699		1007	796
2.732		2989	4734
2.782		4181	2272
2.798		2536	1458
2.826		3846	2805
2.873		1370	936
2.924	TCX	3620640	2398817
3.01		1223	1026
3.037		4476	2928
3.069		2307	2466
3.108		1782	886
3.124		5137	2991
3.179		4282	5977
3.23		112489	61640
3.243		97179	46621
3.305		1392	1410
3.359		540	352
3.397		4299	3974
3.488		2147	1312
3.514		1041	559
3.531		1537	960
3.588		9388	7109
3.625		1179	915
3.657		5976	5094
3.699		10335	9448
3.735		16158	13448
3.79		4505	4593
3.856		23126	16600
3.883		7409	5522
3.904		7988	4426
3.956		1355	905
3.979		11019	7425
4.003		2700	1815
4.034		4162	3083
4.069		16653	15517
4.111		8320	6591
4.138		4715	3451

RT A	Compound A	Height A	Area A
4.192		7466	5842
4.228		191320	145822
4.249		32546	16757
4.273		80438	60894
4.339		59034	49596
4.382		280683	285850
4.416		114230	93294
4.456		11911	8322
4.479		20295	15132
4.522		105081	96564
4.575		74369	54657
4.589		21601	8866
4.605		43787	24160
4.635		492093	430245
4.68		236247	273818
4.718		94590	72873
4.758		665212	618313
4.808		31102	27825
4.849		315538	302220
4.878		9323	5734
4.905		156438	146970
4.957		944291	1177195
5.007		134463	118635
5.05		558205	574279
5.093		40028	29297
5.128		103177	131996
5.166		1240531	1172057
5.188		34111	15858
5.228		445252	403121
5.272		334003	321508
5.324		2831	2373
5.376		39470	38104
5.393		414318	343647
5.451		279312	301858
5.49		162928	150868
5.532		33184	33822
5.576		207464	192742
5.603		18751	10865
5.632		1521924	1500630
5.72		2440	2477
5.794		872	563
5.838		856440	870955
5.877		69236	82007
5.891		63349	47891
6.023		32786	42119
6.087		35647	26224
6.11		137200	122173
6.175		2654	3354
6.238		809	470
6.268		358441	352423
6.313		25906	24689
6.468		90855	90319
6.613	DCB	2043112	2127870
6.823		703	1094
6.946		1570	2845
7.084		1635	4234
7.231		1190	1306
7.351		409	1159
7.671		1506	8253
7.778		2471	3672
7.932		2195	3285
8.028		26925	43199
8.403		1365	2625

LANCASTER LABORATORIES

Sample Number: 9001113ACF AB51A07 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:47:05 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.068.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		3247	1720
2.036		6723	3879
2.052		31536	21321
2.095		33349	17208
2.113		113907	67159
2.156		17672	11529
2.183		21100	13025
2.21		11573	6426
2.231		21654	28402
2.287		8698	7899
2.31		14983	7904
2.319		22827	9205
2.363		163400	115028
2.395		43576	29584
2.432		23212	16400
2.46		11825	6924
2.491		18411	13594
2.534		17437	17275
2.569		6500	3721
2.588		16033	9275
2.614	TCX	20913470	11790900
2.677		14414	7538
2.699		3245	3641
2.733		13456	10515
2.783		20862	12317
2.811		19965	18625
2.833		21613	13153
2.861		2728	1028
2.876		11103	5409
2.91		366570	172818
2.92		535142	223362
2.947		21172	13161
2.994		12276	13926
3.033		17586	10845
3.079		2582	2863
3.106		13267	7938
3.127		3437	1553
3.149		8091	6884
3.181		6271	2947
3.226		13096	10616
3.243		67445	36299
3.262		10126	7110
3.319		66878	57223
3.353		6643	4166
3.383		31205	18488
3.403		59483	32301
3.433		85200	48771
3.491		26919	25998
3.526		150377	89768
3.549		77923	42299
3.567		68270	35902
3.59		11589	10648
3.652		85248	56118
3.675		28621	16568

RT B	Compound B	Height B	Area B
3.698		47104	40748
3.725		15801	7315
3.741		102519	62996
3.779		35180	28161
3.822		37360	31890
3.852		105595	58722
3.874		1417060	922898
3.899		289441	164161
3.919		215316	117046
3.938		347990	208056
3.973		1609112	1089755
4.005		680933	437959
4.022		279990	139229
4.083		130086	111800
4.118		534066	396867
4.138		31482	30667
4.174		820180	608929
4.215		337404	403923
4.235		1907709	1087539
4.247		453586	198059
4.273		704406	677064
4.326		4243031	3388247
4.364		233560	203918
4.396		1513236	1063313
4.42		1098326	772015
4.463		5520825	4431621
4.517		21172	14585
4.565		4113739	3897244
4.615		1695755	1419079
4.656		1355052	1164388
4.694		7164940	5952671
4.726		2381604	1573895
4.764		1900972	1485834
4.839		436631	363691
4.864		390275	252691
4.88		167795	96413
4.915		3033243	2335997
4.939		1110202	766195
4.989		1708437	1546499
5.025		941969	765156
5.055		674921	545859
5.087		343046	228115
5.11		8554616	7087469
5.15		182440	130701
5.182		285720	243479
5.222		4889	3722
5.246		11159	7016
5.28		4410	3097
5.301		69831	44046
5.325		1362868	1150807
5.369		5803216	5824971
5.466		3526	5281
5.524		200813	177549
5.57		182080	133786
5.593		151030	106789
5.614		8477	3544
5.642		887347	752292
5.683		4788	3466
5.721		6064	3723
5.749		2003694	1648471
5.78		125442	91770
5.948		500653	430656
5.979		3995	3954
6.107	DCB	11027670	9708667
6.194		4928	5105
6.282		11695	9008

RT B	Compound B	Height B	Area B
6.31		73514	71268
6.373		3335	5461
6.447		2822	2245
6.53		11831	13878
6.585		5768	7798
6.678		3126	4981
6.786		4941	8434
6.918		2353	1916
6.949		4884	6629
7.011		8114	7951
7.066		3578	4661
7.18		3166	7969
7.301		3728	5552
7.419		2673	2920
7.465		9893	12395
7.555		128489	161899
7.784		1757	3412
7.838		6166	14948
7.983		3487	8182
8.043		2158	2035
8.116		3182	6068
8.215		16397	32768
8.355		1757	2035
8.431		10302	17964

9001113ACF AB51A07 T 171430031A 10225 SW-846 8082

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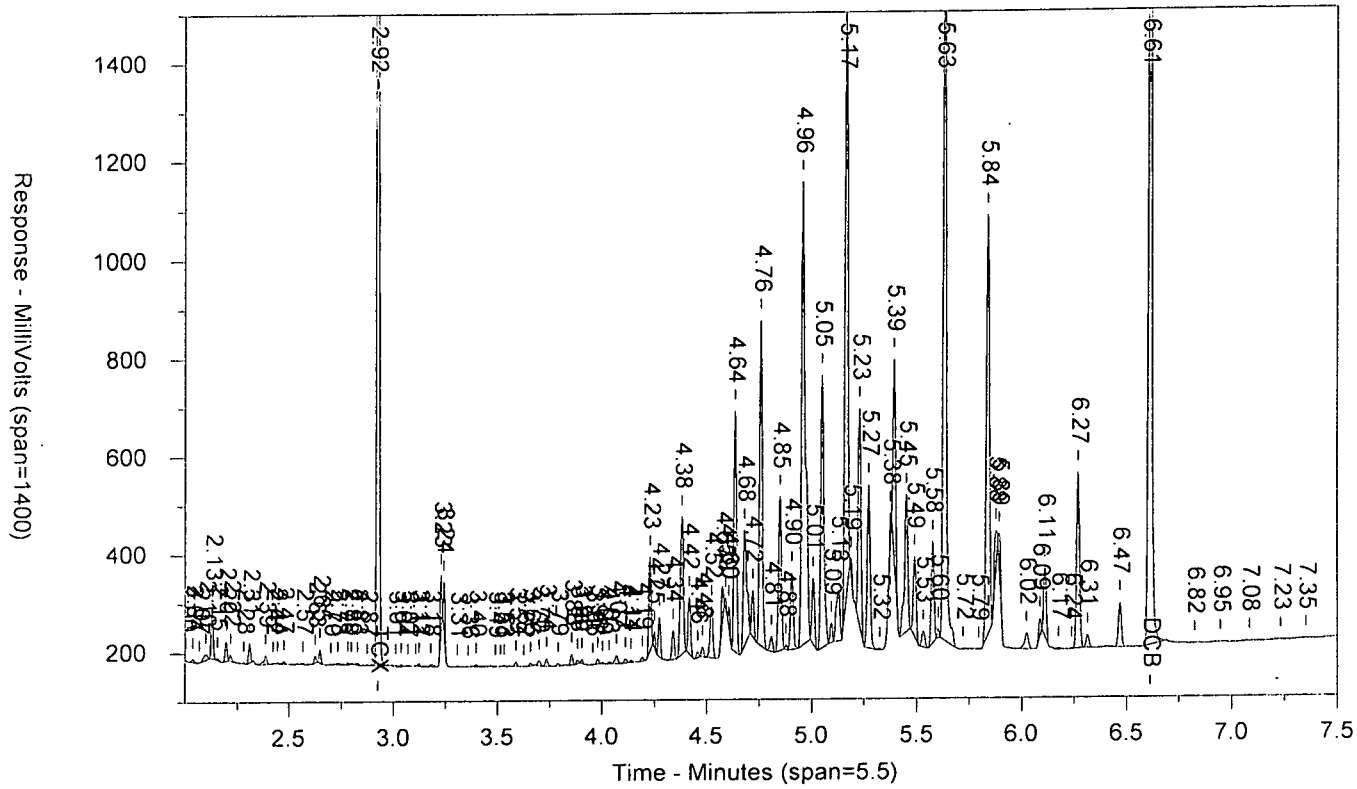

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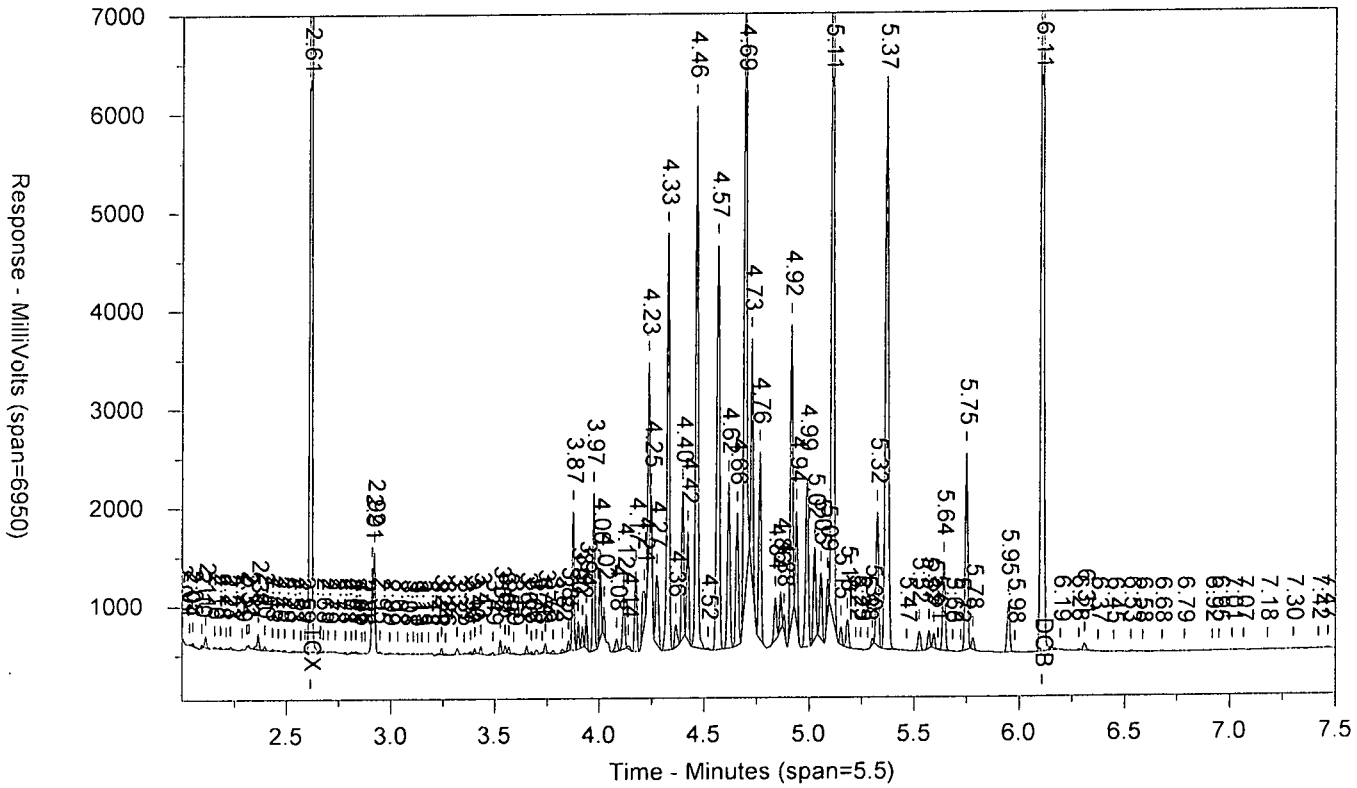

LANCASTER LABORATORIES

Sample Number: 9001113ACF AB51A07 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:47:05 AM Sample Weight: 10.04
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3620640	31.734	TCX	2.614	20913470	30.131	TCX
6.613	2043112	29.571	DCB	6.107	11027670	22.546	DCB

Files:
Area File: 20pcbs17137007.068.RAW
Area File: 20pcbs17137007B.068.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 8:55:47 AM
File Reported On: 5/25/2017 at 8:55:56 AM

9001113ACF AB51A07 T 171430031A 10225 SW-846 8082

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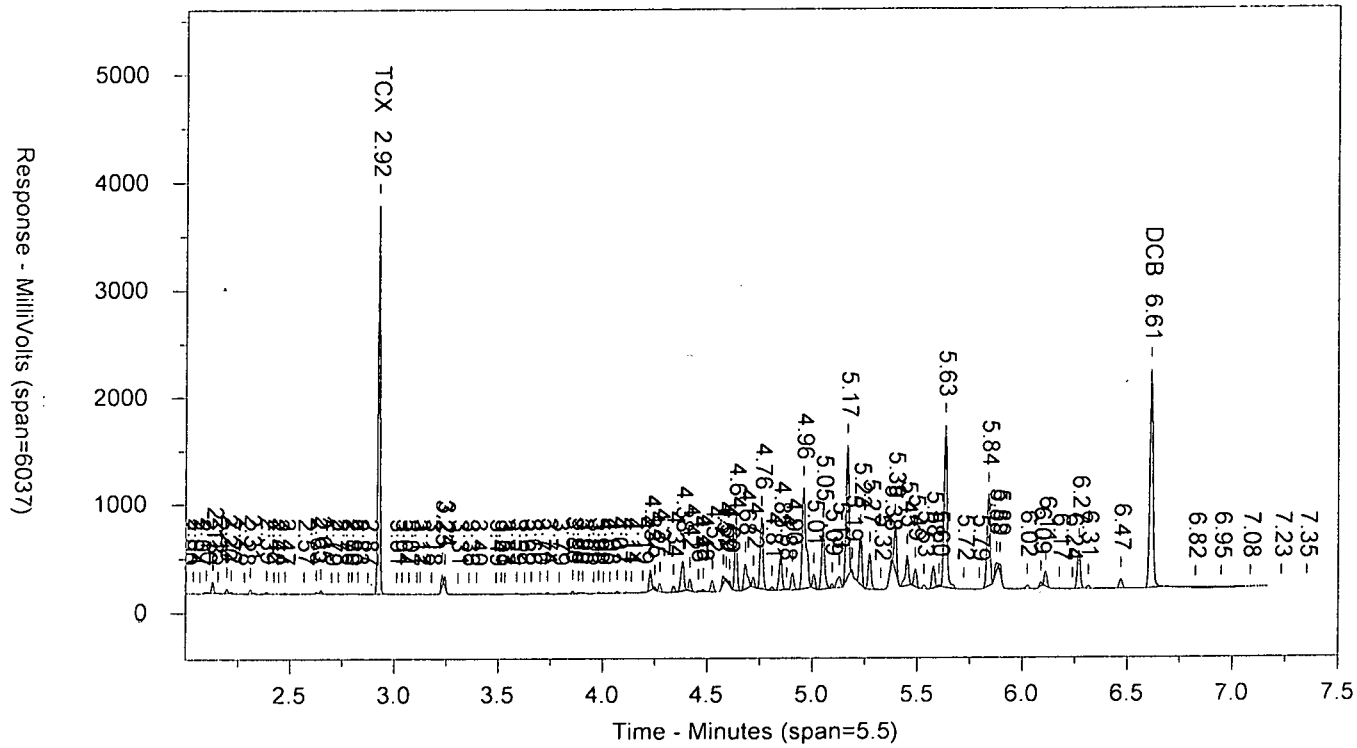

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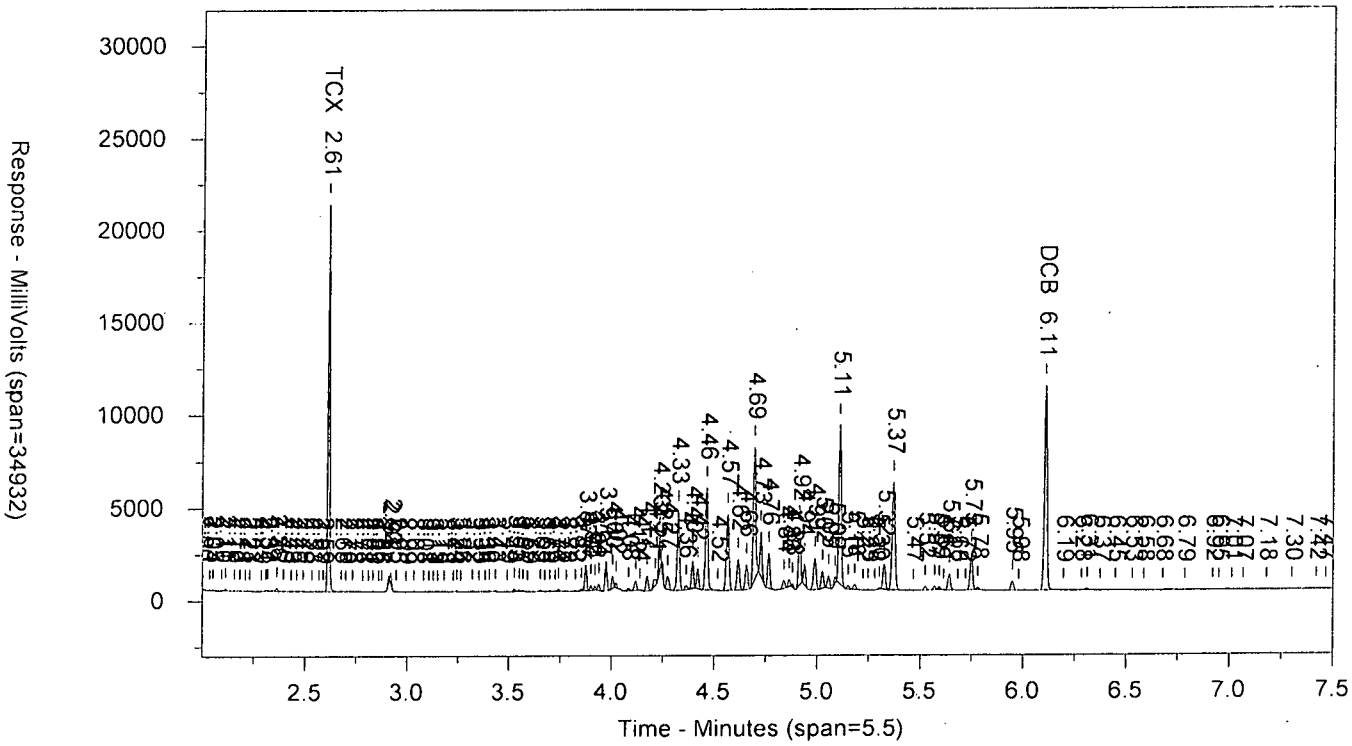

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Data Summary

Sample Name: 9001114 ACF DF5 51A08 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.09 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 08:58:24
Instrument	17342A
Result file	20PCBS17137007.069.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 111% (61 - 152) Conc: 32.08936
%SSR(DCB) 104% (48 - 164) Conc: 30.28462

Analysis Report (B)

Injected on	May 25, 2017 08:58:24
Instrument	17342B
Result file	20PCBS17137007B.069.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 108% (61 - 152) Conc: 31.33323
%SSR(DCB) 88% (48 - 164) Conc: 25.43775

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	735894	32.08936
Decachlorobiphenyl	6.58	6.61	6.64	420567	30.28462

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	4371178	31.33323
Decachlorobiphenyl	6.08	6.11	6.14	2500852	25.43775

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	32.08936				2.38	
☑ Decachlorobiphenyl	A	30.28462				17.40	

Multiple Component Data

Aroclor-1260 (%RSD 17.25)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.73	4.76	4.77	851948.8	1007.357484			1
5.03	5.05	5.07	761144	1628.823237			2
5.20	5.23	5.24	608591.2	1112.265951			3
5.37	5.39	5.41	761814.8	1220.242935			4
5.61	5.63	5.65	1802927	1191.309412			5
5.82	5.84	5.86	1028391	1209.628098			6

Height summation: **5814816.8**
Concentration CF: **1228.271186** L:

Aroclor-1260 (%RSD 7.26)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.31	4.33	4.35	5722445	1004.366395			1
4.44	4.46	4.48	7489176	1114.637426			2
4.55	4.56	4.59	5438316	1006.00852			3
4.90	4.91	4.94	4369269	1051.482492			4
5.09	5.11	5.13	11290360	1197.270307			5
5.35	5.37	5.39	7233954	1146.732506			6

Height summation: **41543520**
Concentration CF: **1086.749608** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<252.7255	<49.0585			4	
☑ PCB-1221			<252.7255	<75.8176			3	
☑ PCB-1232			<252.7255	<60.9514			4	
☑ PCB-1242			<252.7255	<60.9514			4	
☑ PCB-1248			<252.7255	<49.0585			4	
☑ PCB-1254			<252.7255	<65.4113			4	
☑ PCB-1260	A	1228.271186	252.7255	57.9782		12.23	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001114** ACF DF5 51A08 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.09 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:58:24
Instrument : CP20--17342A
Result file : 20PCBS17137007.069.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 111% (61-152) Conc.: 32.08936
%SSR(DCB) : 104% (48-164) Conc.: 30.28462

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**134.17**	
3.16	3.19	3.20	4292.563	10.366805			1
3.37	3.40	3.41	1453.537	3.43779			2
3.71	3.73	3.75	4209.027	7.980801			4
3.76	3.78	3.80	2621.918	6.078145			5
3.96	3.98	4.00	20211.09	58.43374			6
Height Summation:			**32788.135**				
Amount Avg CF:			**17.259456**	Linear:			
Aroclor-1221					**2**	**10.03**	
3.06	3.07	3.10	1333.411	6.722415			1
3.16	3.19	3.20	4292.563	7.748704			3
Height Summation:			**5625.974**				
Amount Avg CF:			**7.23556**	Linear:			
Aroclor-1232					**6**	**155.67**	
3.16	3.19	3.20	4292.563	8.638374			1
3.38	3.40	3.42	1453.537	7.269393			2
3.49	3.53	3.53	3048.341	13.894137			3
3.71	3.73	3.75	4209.027	17.684818			4
3.77	3.78	3.81	2621.918	14.051719			5
3.96	3.98	4.00	20211.09	140.123484			6
Height Summation:			**35836.476**				
Amount Avg CF:			**33.610321**	Linear:			
Aroclor-1242					**6**	**138.91**	
3.16	3.19	3.20	4292.563	12.101134			1
3.38	3.40	3.42	1453.537	4.149626			2
3.49	3.53	3.53	3048.341	7.947573			3
3.71	3.73	3.75	4209.027	9.754844			4
3.77	3.78	3.81	2621.918	7.761119			5
3.96	3.98	4.00	20211.09	73.183147			6
Height Summation:			**35836.476**				
Amount Avg CF:			**19.149574**	Linear:			
Aroclor-1248					**6**	**164.95**	
3.76	3.78	3.80	2621.918	11.195017			1
3.83	3.85	3.87	38550.98	90.511781			2
3.96	3.98	4.00	20211.09	40.292973			3
4.05	4.07	4.09	18226.15	43.709937			4
4.23	4.23	4.27	199470.9	403.820427			5
+ 4.23	4.25	4.27	28560.55	57.819629			5
4.61	4.63	4.65	518457.1	1431.809561			6
Height Summation:			**797538.138**				
Amount Avg CF:			**336.889949**	Linear:			
Aroclor-1254					**6**	**96.55**	
4.21	4.23	4.25	199470.9	342.500721			1
4.55	4.57	4.59	112193.8	191.688825			2
+ 4.55	4.59	4.59	23888.03	40.813917			2
4.61	4.63	4.65	518457.1	438.586999			3
4.73	4.76	4.77	851948.8	2401.088116			4
4.83	4.85	4.87	418939.6	536.287437			5
5.14	5.16	5.18	1495330	1863.442351			6
Height Summation:			**3596340.2**				
Amount Avg CF:			**962.265742**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:58:24
Instrument : CP20--17342B
Result file : 20PCBS17137007B.069.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 108% (61-152) Conc.: 31.33323
%SSR(DCB) : 88% (48-164) Conc.: 25.43775

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**101.23**	
+ 3.21	3.22	3.25	9133.447	3.220866			2
3.21	3.24	3.25	15362.14	5.417385			2
3.40	3.40	3.44	20185.32	7.084037			3
+ 3.40	3.43	3.44	9683.436	3.398402			3
3.47	3.49	3.51	24019.36	7.128047			4
3.63	3.65	3.67	156633.2	55.324583			5
+ 3.72	3.72	3.76	24339.7	10.032764			6
3.72	3.74	3.76	118827.8	48.980525			6
Height Summation:			**335027.82**				
Amount Avg CF:			**24.786916**	Linear:			
Aroclor-1221					**2**	**42.26**	
2.77	2.78	2.81	26851.28	22.297082			1
2.83	2.84	2.87	8935.624	12.036898			2
Height Summation:			**35786.904**				
Amount Avg CF:			**17.16699**	Linear:			
Aroclor-1232					**6**	**121.19**	
2.88	2.88	2.92	10320.01	3.701853			1
+ 3.21	3.22	3.25	9133.447	6.778798			2
3.21	3.24	3.25	15362.14	11.401702			2
3.40	3.40	3.44	20185.32	16.745424			3
+ 3.40	3.43	3.44	9683.436	8.033226			3
3.47	3.49	3.51	24019.36	16.218849			4
+ 3.66	3.67	3.70	52894.28	130.783023			5
3.66	3.70	3.70	60104.9	148.611542			5
3.73	3.74	3.77	118827.8	112.064446			6
Height Summation:			**248819.53**				
Amount Avg CF:			**51.457303**	Linear:			
Aroclor-1242					**6**	**113.47**	
2.88	2.88	2.92	10320.01	5.259856			1
+ 3.21	3.22	3.25	9133.447	3.897851			2
3.21	3.24	3.25	15362.14	6.55605			2
3.40	3.40	3.44	20185.32	8.760003			3
+ 3.40	3.43	3.44	9683.436	4.202407			3
3.47	3.49	3.51	24019.36	9.120478			4
3.64	3.65	3.68	156633.2	72.236559			5
+ 3.64	3.67	3.68	52894.28	24.393939			5
3.73	3.74	3.77	118827.8	61.180953			6
Height Summation:			**345347.83**				
Amount Avg CF:			**27.18565**	Linear:			
Aroclor-1248					**6**	**144.50**	
3.40	3.40	3.44	20185.32	17.961533			1
+ 3.40	3.43	3.44	9683.436	8.616626			1
3.51	3.53	3.55	278532	87.876025			2
3.63	3.65	3.67	156633.2	39.553899			3
+ 3.72	3.72	3.76	24339.7	8.512253			4
3.72	3.74	3.76	118827.8	41.557303			4
3.86	3.87	3.90	1705408	314.888583			5
4.22	4.23	4.26	2043494	853.381723			6
+ 4.22	4.25	4.26	942293.2	393.51023			6
Height Summation:			**4323080.32**				
Amount Avg CF:			**225.869844**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001114** ACF DF5 51A08 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.09 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 08:58:24
Instrument : CP20--17342A
Result file : 20PCBS17137007.069.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	17.25	
4.73	4.76	4.77	851948.8	1007.357484			1
5.03	5.05	5.07	761144	1628.823237			2
5.20	5.23	5.24	608591.2	1112.265951			3
5.37	5.39	5.41	761814.8	1220.242935			4
5.61	5.63	5.65	1802927	1191.309412			5
5.82	5.84	5.86	1028391	1209.628098			6
Height Summation:			**5814816.8**				
Amount Avg CF:			**1228.271186**	Linear:			
Aroclor-1262					6	41.46	
5.21	5.23	5.24	608591.2	604.1062			1
5.37	5.39	5.41	761814.8	936.057185			2
5.61	5.63	5.65	1802927	916.554748			3
5.81	5.84	5.85	1028391	945.999207			4
5.87	5.88	5.91	108078.8	200.692393			5
+ 5.87	5.89	5.91	51765.5	96.123773			5
6.25	6.27	6.29	409858.2	625.577621			6
Height Summation:			**4719661**				
Amount Avg CF:			**704.831226**	Linear:			
Aroclor-1268					6	127.72	
5.81	5.84	5.85	1028391	425.421492			1
5.87	5.88	5.91	108078.8	51.242351			2
+ 5.87	5.89	5.91	51765.5	24.543073			2
6.00	6.02	6.04	18652.39	9.484005			3
6.07	6.08	6.11	24970.97	55.381331			4
6.25	6.27	6.29	409858.2	504.5325			5
6.45	6.47	6.49	86223.66	13.563039			6
Height Summation:			**1676175.02**				
Amount Avg CF:			**176.60412**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 08:58:24
Instrument : CP20--17342B
Result file : 20PCBS17137007B.069.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	94.70	
4.16	4.17	4.19	1256215	297.76789			1
4.22	4.23	4.26	2043494	272.990516			2
+ 4.22	4.25	4.26	942293.2	125.881019			2
4.31	4.33	4.35	5722445	1643.342961			3
4.38	4.40	4.42	2298989	456.867689			4
4.44	4.46	4.48	7489176	2584.426987			5
4.60	4.62	4.64	2325312	658.670742			6
Height Summation:			**21135631**				
Amount Avg CF:			**985.677797**	Linear:			
Aroclor-1260					6	7.26	
4.31	4.33	4.35	5722445	1004.366395			1
4.44	4.46	4.48	7489176	1114.637426			2
4.55	4.56	4.59	5438316	1006.00852			3
4.90	4.91	4.94	4369269	1051.482492			4
5.09	5.11	5.13	11290360	1197.270307			5
5.35	5.37	5.39	7233954	1146.732506			6
Height Summation:			**41543520**				
Amount Avg CF:			**1086.749608**	Linear:			
Aroclor-1262					6	33.77	
4.71	4.73	4.75	3207424	490.369086			1
4.90	4.91	4.94	4369269	671.525748			2
5.09	5.11	5.13	11290360	912.283934			3
5.31	5.32	5.35	1922075	374.802775			4
5.35	5.37	5.39	7233954	876.37435			5
5.73	5.75	5.77	2371590	530.887831			6
Height Summation:			**30394672**				
Amount Avg CF:			**642.707287**	Linear:			
Aroclor-1268					6	120.99	
5.31	5.32	5.35	1922075	115.082798			1
5.35	5.37	5.39	7233954	427.797919			2
5.51	5.52	5.55	112637.2	7.753436			3
5.57	5.59	5.61	71971.68	20.490863			4
5.73	5.75	5.77	2371590	416.659157			5
5.93	5.95	5.97	558336	12.906768			6
Height Summation:			**12270563.88**				
Amount Avg CF:			**166.781823**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			252.7255	49.0585		35.81	4	40	
Aroclor-1221			252.7255	75.8176		** 81.40	3	5	
Aroclor-1232			252.7255	60.9514		** 41.96	4	10	
Aroclor-1242			252.7255	60.9514		34.69	4	30	
Aroclor-1248			252.7255	49.0585		39.46	4	40	
Aroclor-1254			252.7255	65.4113		2.40	4	40	
Aroclor-1260			252.7255	57.9782		12.23	4	40	
Aroclor-1262			252.7255	49.0585		9.22	4	40	
Aroclor-1268			252.7255	49.0585		5.72	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001114ACF DF5 AC51A08 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:58:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.069.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		3950	4042
2.098		6267	7908
2.129		18944	11536
2.196		42036	33473
2.309		17299	11229
2.376		2952	4051
2.424		3524	3095
2.499		971	1073
2.55		1673	3534
2.626		1573	806
2.647		17376	10899
2.727		1121	1357
2.774		10848	7891
2.826		3755	3350
2.923	TCX	735894	475403
3.037		4342	2726
3.069		1333	1342
3.192		4293	4719
3.228		230380	177585
3.362		1001	545
3.396		1454	1001
3.53		3048	4371
3.585		3107	2178
3.626		744	588
3.665		12055	8873
3.694		3009	2820
3.731		4209	4094
3.785		2622	2117
3.854		38551	28047
3.881		10377	7872
3.903		7103	4040
3.978		20211	13966
4.002		4668	2890
4.033		6259	4292
4.068		18226	18961
4.109		3772	3008
4.137		1235	647
4.189		6806	5781
4.226		199471	156810
4.247		28561	15483
4.271		80730	61692
4.298		2434	1352
4.338		65017	53811
4.38		383165	378924
4.415		143320	113721
4.454		9904	7027
4.478		16152	11846
4.52		118845	107464
4.573		112194	80951
4.587		23888	9851
4.603		41204	24763
4.633		518457	451406
4.679		329816	373042
4.717		122297	93726

RT A	Compound A	Height A	Area A
4.755		851949	799463
4.806		46409	40334
4.848		418940	412214
4.876		6780	3576
4.903		172043	160101
4.955		1194163	1429950
5.004		179685	163584
5.048		761144	772460
5.091		30314	21555
5.127		115800	133511
5.164		1495331	1361617
5.186		55004	26005
5.226		608591	553381
5.27		400664	391360
5.391		761815	1083154
5.45		350801	323323
5.49		189127	171526
5.531		35092	33890
5.575		275332	253626
5.6		12081	6395
5.631		1802927	1839940
5.716		2986	2868
5.756		1312	664
5.79		5433	4800
5.838		1028391	1035675
5.875		108079	108805
5.89		51766	48786
6.023		18652	20337
6.085		24971	18950
6.108		156797	150585
6.235		2322	1658
6.266		409858	411288
6.311		29659	29064
6.466		86224	89823
6.538		5162	5334
6.61	DCB	420567	459209
6.689		3701	3683
6.924		3172	7298
7.08		2318	3533
7.127		3381	5350
7.232		858	1833
7.416		903	2529
7.776		5417	8434
8.564		882	1635

LANCASTER LABORATORIES

Sample Number: 9001114ACF DF5 AC51A08 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:58:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.069.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.053		7693	6149
2.112		13026	9950
2.139		1799	1135
2.157		10394	7042
2.182		9432	14072
2.237		25863	39468
2.31		10055	10216
2.363		122092	91679
2.393		3824	2231
2.409		3422	2074
2.476		3604	2689
2.493		7549	7097
2.532		6066	5621
2.545		22834	12876
2.59		6120	3912
2.614	TCX	4371178	2558010
2.675		2296	1186
2.733		6320	4030
2.783		26851	14110
2.814		6540	6193
2.843		8936	12619
2.878		10320	8375
2.921		1361470	891683
2.997		7296	8514
3.033		4684	3579
3.082		3541	2438
3.105		9163	20877
3.179		9593	16671
3.224		9133	5309
3.243		15362	8369
3.264		14760	10349
3.324		114903	76667
3.354		3328	1730
3.383		26872	20524
3.403		20185	12409
3.433		9683	6772
3.491		24019	19556
3.526		278532	167447
3.549		133099	72627
3.567		77182	37511
3.651		156633	95153
3.674		52894	30629
3.696		60105	44595
3.725		24340	11281
3.74		118828	67378
3.781		31350	27189
3.822		36853	34131
3.852		163126	95229
3.873		1705408	1079501
3.899		442749	266761
3.918		133750	68828
3.937		380299	234358
3.972		2440900	1671190
4.004		930605	618747

RT B	Compound B	Height B	Area B
4.021		192779	89097
4.082		120891	101821
4.117		656379	495001
4.138		15660	13911
4.173		1256215	935345
4.215		407437	497717
4.234		2043494	1089284
4.247		942293	427156
4.273		878607	905242
4.325		5722445	4320940
4.363		311680	252247
4.395		2298989	1594009
4.419		1263174	890983
4.462		7489176	5775358
4.516		8648	7654
4.565		5438317	5120082
4.615		2325313	1947561
4.657		1703255	1445105
4.693		8697471	7161972
4.725		3207424	2270316
4.764		2625701	1982973
4.837		91724	89844
4.863		660965	452972
4.88		138630	66299
4.915		4369269	3390373
4.938		1085225	714328
4.988		2377650	2097042
5.024		1218698	948185
5.054		859234	702324
5.086		525267	305694
5.108		11290360	9114517
5.15		257229	191216
5.182		330370	268427
5.223		5976	4522
5.246		13711	8663
5.3		105074	63787
5.324		1922075	1594905
5.368		7233954	7480609
5.524		112637	93757
5.569		201611	153969
5.592		71972	48047
5.614		8089	3965
5.641		1108281	945993
5.721		13677	9120
5.748		2371590	2069069
5.78		144376	111327
5.862		3654	3880
5.947		558336	473026
6.061		1692	1140
6.106	DCB	2500852	2199948
6.141		15087	11298
6.281		16427	14522
6.308		8255	6206
6.372		8632	7294
6.442		3992	6299
6.527		10970	11910
6.583		19158	18829
6.813		3634	10081
6.908		4175	7093
7.01		26352	27031
7.176		4659	15352
7.302		3995	7735
7.462		3783	11298
7.547		5551	12370
7.775		2728	4738
8.113		3712	7596

RT B	Compound B	Height B	Area B
8.214		18245	34580
8.432		6464	15861
8.56		960	2279

9001114ACF DF5 AC51A08 T 171430031A 10225 SW-846 8082

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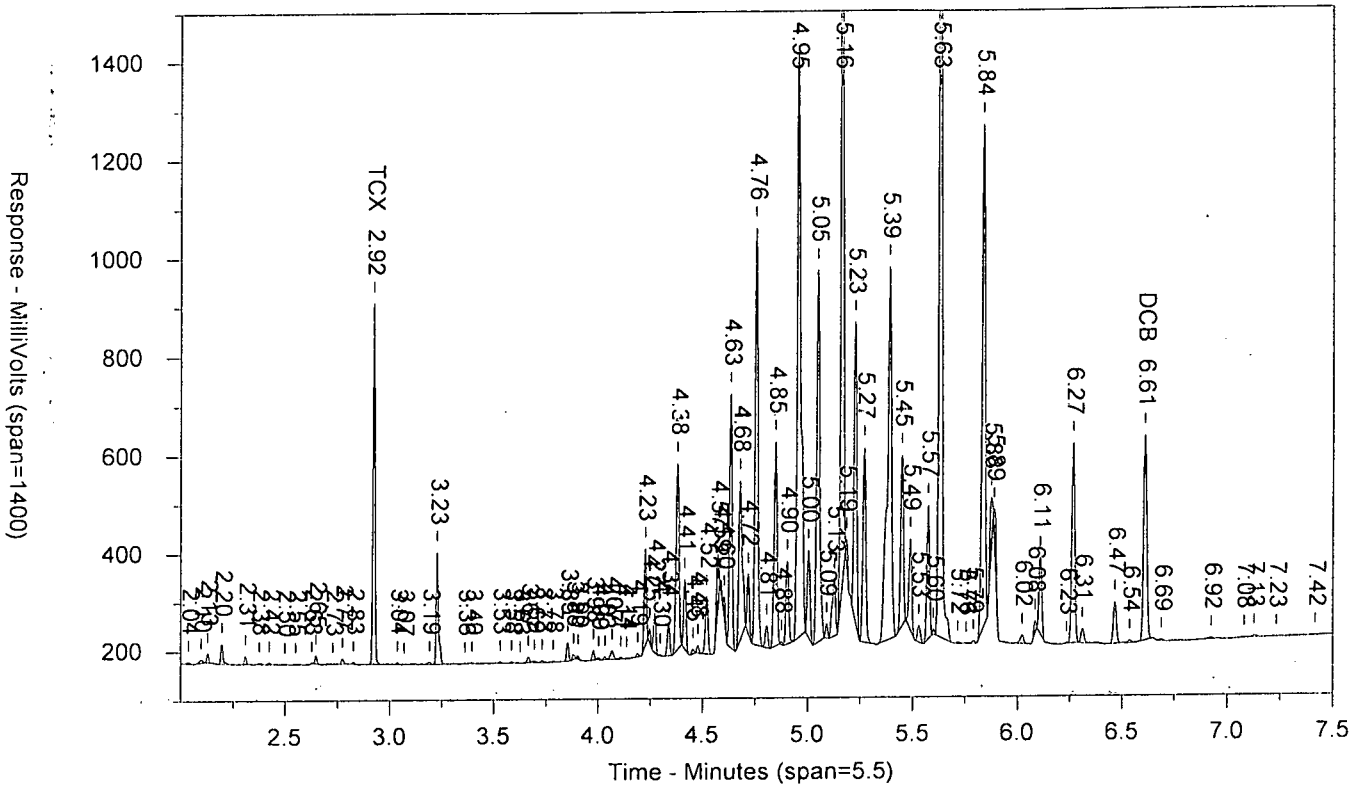

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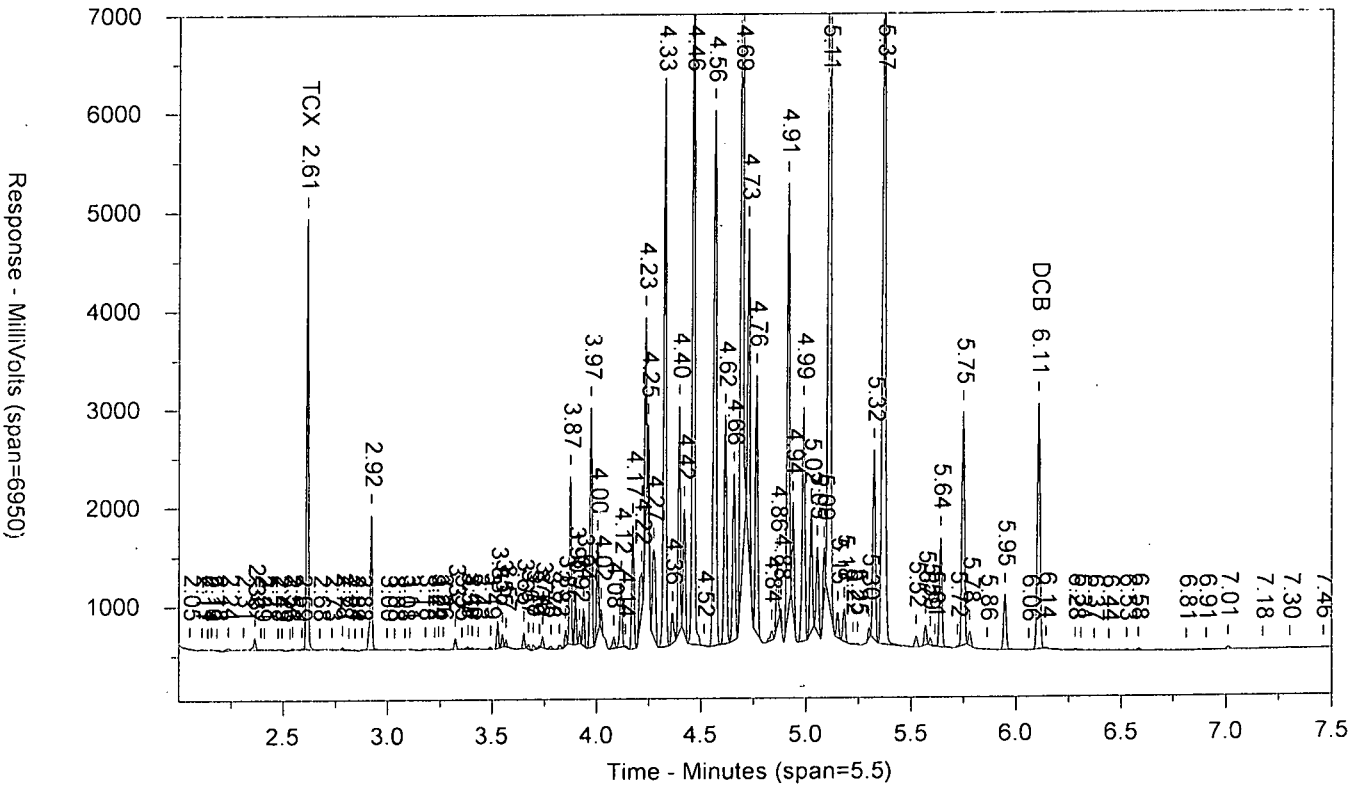

LANCASTER LABORATORIES

Sample Number: 9001114ACF DF5 AC51A08 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 8:58:24 AM Sample Weight: 10.09
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	735894	32.089	TCX	2.614	4371178	31.333	TCX
6.61	420567	30.285	DCB	6.106	2500852	25.438	DCB

Files:
Area File: 20pcbs17137007.069.RAW
Area File: 20pcbs17137007B.069.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 9:07:08 AM
File Reported On: 5/25/2017 at 9:07:16 AM

9001114ACF DF5 AC51A08 T 171430031A 10225 SW-846 8082

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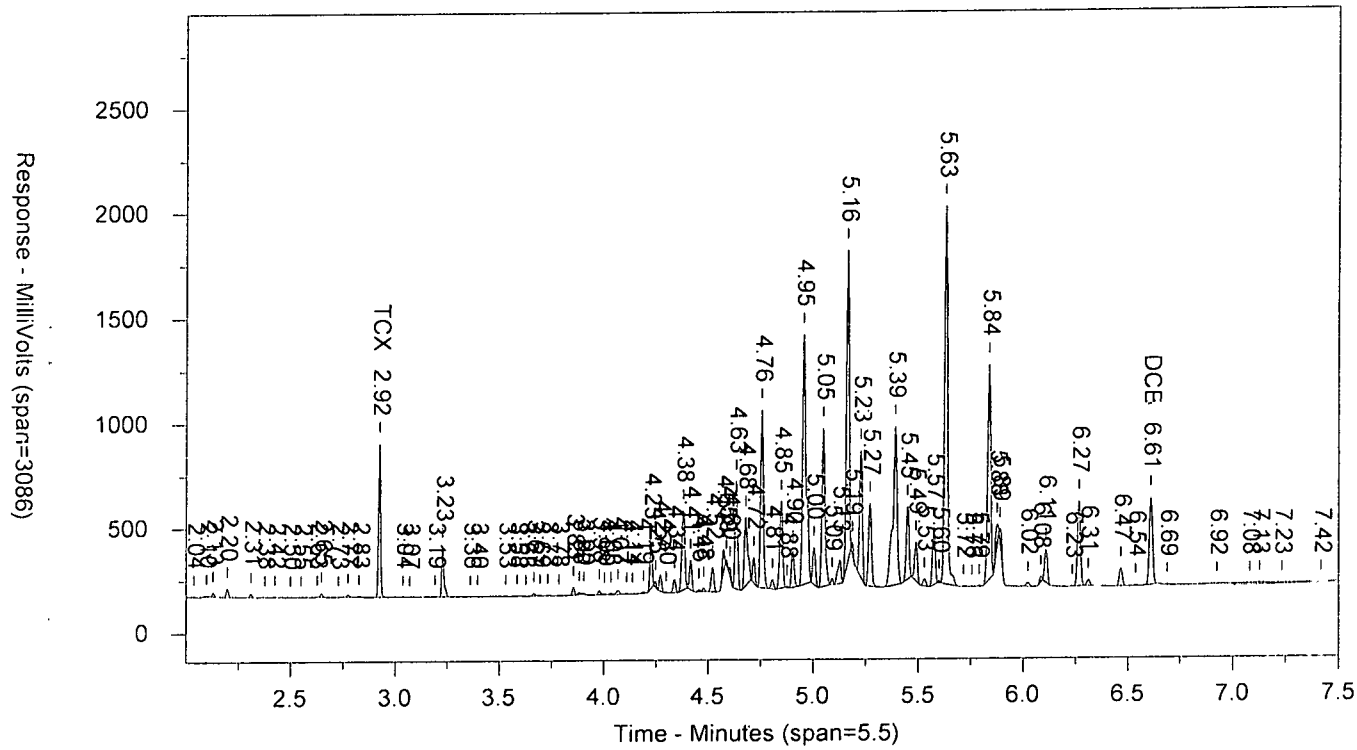

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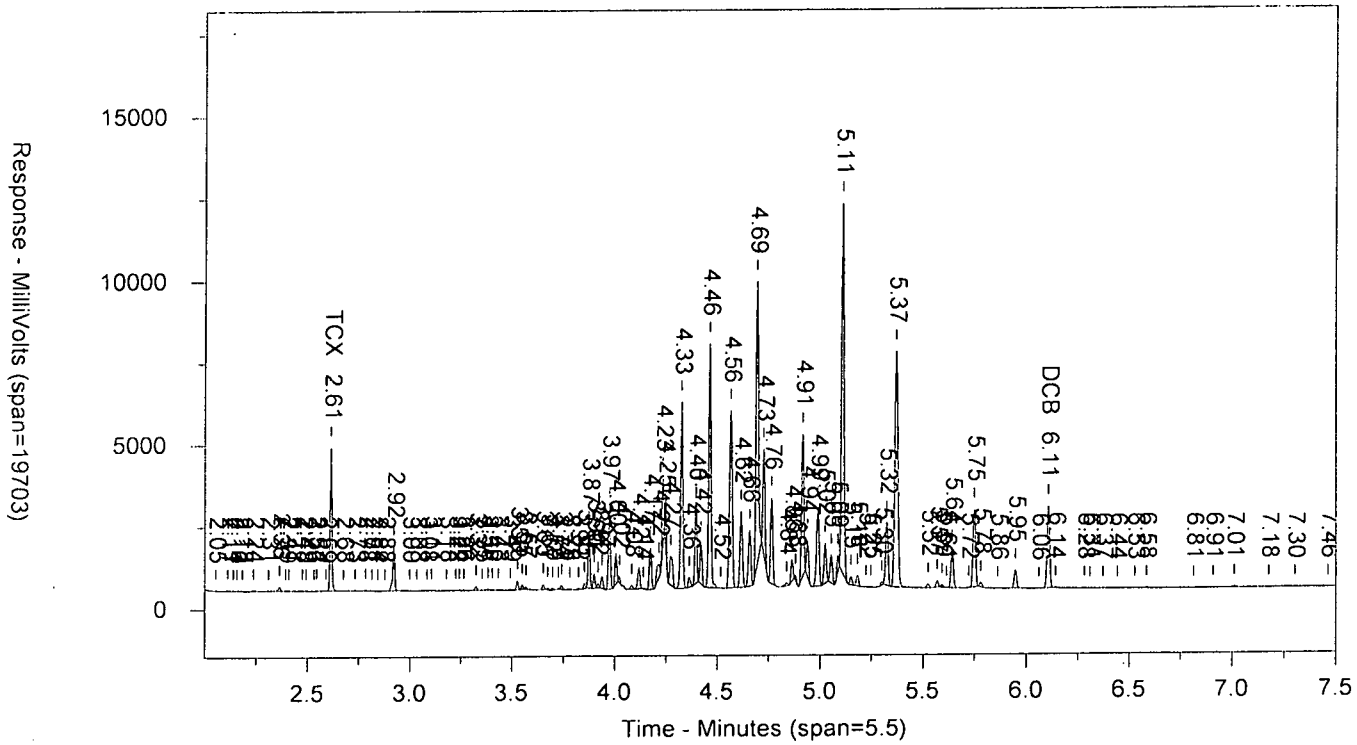

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Data Summary

Sample Name: 9001115 ACF 51A09 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.04 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 09:09:56
Instrument	17342A
Result file	20PCBS17137007.070.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 114% (61 - 152) Conc: 33.32995
%SSR(DCB) 101% (48 - 164) Conc: 29.29553

Analysis Report (B)

Injected on	May 25, 2017 09:09:56
Instrument	17342B
Result file	20PCBS17137007B.070.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 115% (61 - 152) Conc: 33.46449
%SSR(DCB) 85% (48 - 164) Conc: 24.77712

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3802783	33.32995
Decachlorobiphenyl	6.58	6.61	6.64	2024077	29.29553

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	23226830	33.46449
Decachlorobiphenyl	6.08	6.11	6.14	12119160	24.77712

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	33.32995				0.40	
☑ Decachlorobiphenyl	A	29.29553				16.71	

Multiple Component Data

Aroclor-1260 — %RSD 12.92

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.73	4.76	4.77	362169.2	86.073425			1
5.20	5.23	5.24	244482.6	89.808694			3
5.37	5.39	5.41	213761.3	68.819803			4
5.61	5.63	5.65	705424.1	93.688044			5
5.82	5.84	5.86	415466.2	98.223803			6

Height summation: **1941303.4**
Concentration CF: **87.322754** L:

Aroclor-1260 — %RSD 7.18

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.31	4.33	4.35	2631347	92.827385			1
4.44	4.46	4.48	3292303	98.488797			2
4.55	4.56	4.59	2235091	83.103608			3
4.90	4.91	4.94	1698167	82.141212			4
5.09	5.11	5.13	4431474	94.45394			5
5.35	5.37	5.39	2817501	89.771382			6

Height summation: **17105883**
Concentration CF: **90.131054** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<50.7968	<9.8606			4	
☑ PCB-1221			<50.7968	<15.239			3	
☑ PCB-1232			<50.7968	<12.251			4	
☑ PCB-1242			<50.7968	<12.251			4	
☑ PCB-1248			<50.7968	<9.8606			4	
☑ PCB-1254			<50.7968	<13.1474			4	
☑ PCB-1260	B	90.131054	50.7968	11.6534		3.17	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001115** ACF 51A09 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.04 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:09:56
Instrument : CP20--17342A
Result file : 20PCBS17137007.070.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 114% (61-152) Conc.: 33.32995 BLCS
%SSR(DCB) : 101% (48-164) Conc.: 29.29553

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	128.73	
3.16	3.19	3.20	1633.404	0.792883			1
3.37	3.40	3.41	2107.159	1.001701			2
3.71	3.73	3.75	2860.79	1.09028			4
3.76	3.79	3.80	3683.56	1.716355			5
3.96	3.98	4.00	15253.18	8.863838			6
Height Summation:			25538.093				
Amount Avg CF:			2.693011	Linear:			
Aroclor-1221					3	95.40	
3.06	3.07	3.10	2204.861	2.234241			1
3.11	3.12	3.15	5244.898	6.147728			2
+ 3.11	3.15	3.15	1374.42	1.611006			2
3.16	3.19	3.20	1633.404	0.592643			3
Height Summation:			9083.163				
Amount Avg CF:			2.991537	Linear:			
Aroclor-1232					6	151.24	
3.16	3.19	3.20	1633.404	0.660688			1
3.38	3.40	3.42	2107.159	2.11815			2
3.49	3.53	3.53	1137.014	1.041649			3
3.71	3.73	3.75	2860.79	2.415974			4
3.77	3.79	3.81	3683.56	3.967944			5
3.96	3.98	4.00	15253.18	21.255388			6
Height Summation:			26675.107				
Amount Avg CF:			5.243299	Linear:			
Aroclor-1242					6	140.24	
3.16	3.19	3.20	1633.404	0.92553			1
3.38	3.40	3.42	2107.159	1.209115			2
3.49	3.53	3.53	1137.014	0.595833			3
3.71	3.73	3.75	2860.79	1.332638			4
3.77	3.79	3.81	3683.56	2.191596			5
3.96	3.98	4.00	15253.18	11.101181			6
Height Summation:			26675.107				
Amount Avg CF:			2.892649	Linear:			
Aroclor-1248					6	167.29	
3.76	3.79	3.80	3683.56	3.161265			1
3.83	3.85	3.87	28214.66	13.314718			2
3.96	3.98	4.00	15253.18	6.112057			3
4.05	4.07	4.09	14393.54	6.938096			4
4.23	4.23	4.27	116807.5	47.529902			5
+ 4.23	4.25	4.27	28280.12	11.507406			5
4.61	4.63	4.65	362233.4	201.070507			6
Height Summation:			540585.84				
Amount Avg CF:			46.354424	Linear:			
Aroclor-1254					6	71.62	
4.21	4.23	4.25	116807.5	40.312536			1
4.55	4.57	4.59	120170.5	41.267984			2
4.61	4.63	4.65	362233.4	61.591229			3
4.73	4.76	4.77	362169.2	205.160413			4
4.83	4.85	4.87	310828.3	79.974993			5
5.14	5.16	5.18	720236.1	180.401959			6
Height Summation:			1992445				
Amount Avg CF:			101.451519	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:09:56
Instrument : CP20--17342B
Result file : 20PCBS17137007B.070.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 115% (61-152) Conc.: 33.46449
%SSR(DCB) : 85% (48-164) Conc.: 24.77712

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	71.94	
+ 3.21	3.22	3.25	6609.47	0.468481			2
3.21	3.24	3.25	105360.8	7.468003			2
3.40	3.40	3.44	17863.25	1.260066			3
+ 3.40	3.43	3.44	8336.006	0.588018			3
3.47	3.49	3.51	18048.94	1.076585			4
3.63	3.65	3.67	123531	8.769962			5
+ 3.72	3.72	3.76	9995.124	0.828097			6
3.72	3.74	3.76	99572.11	8.249555			6
Height Summation:			364376.1				
Amount Avg CF:			5.364834	Linear:			
Aroclor-1221					2	43.50	
2.77	2.78	2.81	18235.72	3.043641			1
2.83	2.84	2.87	21229.21	5.747924			2
Height Summation:			39464.93				
Amount Avg CF:			4.395782	Linear:			
Aroclor-1232					5	75.98	
+ 3.21	3.22	3.25	6609.47	0.985989			2
3.21	3.24	3.25	105360.8	15.717536			2
3.40	3.40	3.44	17863.25	2.978574			3
+ 3.40	3.43	3.44	8336.006	1.389972			3
3.47	3.49	3.51	18048.94	2.449614			4
+ 3.66	3.67	3.70	42598.59	21.170218			5
3.66	3.70	3.70	49052.72	24.377727			5
3.73	3.74	3.77	99572.11	18.874478			6
Height Summation:			289897.82				
Amount Avg CF:			12.879586	Linear:			
Aroclor-1242					5	72.54	
+ 3.21	3.22	3.25	6609.47	0.56695			2
3.21	3.24	3.25	105360.8	9.037681			2
3.40	3.40	3.44	17863.25	1.558176			3
+ 3.40	3.43	3.44	8336.006	0.727133			3
3.47	3.49	3.51	18048.94	1.377512			4
3.64	3.65	3.68	123531	11.450821			5
+ 3.64	3.67	3.68	42598.59	3.948716			5
3.73	3.74	3.77	99572.11	10.304415			6
Height Summation:			364376.1				
Amount Avg CF:			6.745721	Linear:			
Aroclor-1248					6	166.52	
3.40	3.40	3.44	17863.25	3.194888			1
+ 3.40	3.43	3.44	8336.006	1.490916			1
3.51	3.52	3.55	212555.2	13.478901			2
3.63	3.65	3.67	123531	6.270019			3
+ 3.72	3.72	3.76	9995.124	0.702595			4
3.72	3.74	3.76	99572.11	6.999298			4
3.86	3.87	3.90	1076386	39.946994			5
4.22	4.23	4.26	2169676	182.117762			6
Height Summation:			3699583.56				
Amount Avg CF:			42.00131	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001115** ACF 51A09 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.04 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:09:56
Instrument : CP20--17342A
Result file : 20PCBS17137007.070.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	36.74	
4.73	4.76	4.77	362169.2	86.073425			1
5.03	5.05	5.07	408688.7	175.787183			2
5.20	5.23	5.24	244482.6	89.808694			3
+ 5.37	5.38	5.41	32057.47	10.320805			4
5.37	5.39	5.41	213761.3	68.819803			4
5.61	5.63	5.65	705424.1	93.688044			5
5.82	5.84	5.86	415466.2	98.223803			6
Height Summation:			**2349992.1**				
Amount Avg CF:			**102.066825**	Linear:			
Aroclor-1262					6	40.39	
5.21	5.23	5.24	244482.6	48.777892			1
+ 5.37	5.38	5.41	32057.47	7.917165			2
5.37	5.39	5.41	213761.3	52.792169			2
5.61	5.63	5.65	705424.1	72.080537			3
5.81	5.84	5.85	415466.2	76.816701			4
5.87	5.88	5.91	42208.7	15.7536			5
+ 5.87	5.89	5.91	31196.48	11.643497			5
6.25	6.27	6.29	179567	55.088577			6
Height Summation:			**1800909.9**				
Amount Avg CF:			**53.551579**	Linear:			
Aroclor-1268					6	112.52	
5.81	5.84	5.85	415466.2	34.544929			1
5.87	5.88	5.91	42208.7	4.022332			2
+ 5.87	5.89	5.91	31196.48	2.972909			2
6.00	6.02	6.04	25830.22	2.639811			3
6.07	6.09	6.11	24406	10.879577			4
6.25	6.27	6.29	179567	44.429302			5
6.45	6.47	6.49	57666.21	1.823221			6
Height Summation:			**745144.33**				
Amount Avg CF:			**16.389862**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:09:56
Instrument : CP20--17342B
Result file : 20PCBS17137007B.070.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	64.14	
4.16	4.17	4.19	960797.9	45.77553			1
4.22	4.23	4.26	2169676	58.258128			2
4.31	4.33	4.35	2631347	151.884045			3
4.38	4.39	4.42	1812064	72.379326			4
4.44	4.46	4.48	3292303	228.358655			5
4.60	4.61	4.64	1656604	94.31772			6
Height Summation:			**12522791.9**				
Amount Avg CF:			**100.495567**	Linear:			
Aroclor-1260					6	7.18	
4.31	4.33	4.35	2631347	92.827385			1
4.44	4.46	4.48	3292303	98.488797			2
4.55	4.56	4.59	2235091	83.103608			3
4.90	4.91	4.94	1698167	82.141212			4
5.09	5.11	5.13	4431474	94.45394			5
5.35	5.37	5.39	2817501	89.771382			6
Height Summation:			**17105883**				
Amount Avg CF:			**90.131054**	Linear:			
Aroclor-1262					6	31.45	
4.71	4.73	4.75	1199032	36.84554			1
4.90	4.91	4.94	1698167	52.459208			2
5.09	5.11	5.13	4431474	71.971059			3
5.31	5.32	5.35	822459.6	32.235506			4
5.35	5.37	5.39	2817501	68.606528			5
5.73	5.75	5.77	1052839	47.371002			6
Height Summation:			**12021472.6**				
Amount Avg CF:			**51.581474**	Linear:			
Aroclor-1268					6	103.45	
5.31	5.32	5.35	822459.6	9.897878			1
5.35	5.37	5.39	2817501	33.489946			2
5.51	5.52	5.55	161631.8	2.236282			3
5.57	5.59	5.61	134217	7.680572			4
5.73	5.75	5.77	1052839	37.178403			5
5.93	5.95	5.97	324273.6	1.50668			6
Height Summation:			**5312922**				
Amount Avg CF:			**15.331627**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.7968	9.8606		** 66.32	4	40	
Aroclor-1221			50.7968	15.239		38.02	3	5	
Aroclor-1232			50.7968	12.251		** 84.27	4	10	
Aroclor-1242			50.7968	12.251		** 79.95	4	30	
Aroclor-1248			50.7968	9.8606		9.85	4	40	
Aroclor-1254			50.7968	13.1474		6.71	4	40	
Aroclor-1260			50.7968	11.6534		12.42	4	40	
Aroclor-1262			50.7968	9.8606		3.75	4	40	
Aroclor-1268			50.7968	9.8606		6.67	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001115ACF AB51A09 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:09:56 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.070.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.004		1177	474
2.038		3272	3421
2.1		13687	15989
2.13		130914	89747
2.197		32202	20590
2.217		11517	6388
2.31		26143	16088
2.328		4323	2413
2.388		19082	13945
2.424		1221	847
2.444		975	1190
2.54		908	591
2.569		3660	2413
2.647		16912	14919
2.698		1060	599
2.731		3754	3164
2.876		1171	990
2.924	TCX	3802783	2482590
3.038		3708	2248
3.069		2205	2115
3.107		2935	1600
3.123		5245	3053
3.151		1374	970
3.191		1633	1130
3.229		171839	135753
3.311		1462	1648
3.395		2107	2984
3.464		1258	1111
3.484		1489	1055
3.532		1137	758
3.587		13238	9186
3.656		8799	6245
3.694		2283	2539
3.733		2861	3057
3.791		3684	3327
3.854		28215	20060
3.881		10295	6957
3.903		9332	5647
3.978		15253	10502
4.002		4140	2713
4.032		5546	4074
4.068		14394	13087
4.109		3593	3033
4.138		1120	777
4.191		5816	4996
4.226		116808	89887
4.247		28280	15422
4.271		67320	50591
4.296		2877	1978
4.338		39596	33844
4.381		241086	231089
4.415		107412	90649
4.455		8807	6658
4.479		12300	9280

RT A	Compound A	Height A	Area A
4.521		86751	76860
4.573		120171	120312
4.604		54896	33665
4.634		362233	311397
4.679		129744	151298
4.718		71836	55466
4.756		362169	349073
4.808		36071	31924
4.848		310828	301984
4.876		5451	2821
4.904		79791	71139
4.956		528900	652466
5.006		72842	65896
5.049		408689	411692
5.092		25674	18573
5.128		57459	72225
5.164		720236	758509
5.228		244483	214669
5.27		169505	167886
5.375		32057	29822
5.392		213761	168676
5.433		16531	12241
5.45		101642	85028
5.49		81403	75120
5.53		17917	17306
5.575		143284	131019
5.602		11620	6428
5.632		705424	746007
5.721		1829	1838
5.838		415466	439789
5.877		42209	48168
5.891		31196	21564
6.023		25830	28587
6.058		775	419
6.088		24406	18360
6.11		73980	60908
6.177		1440	1322
6.235		2434	2021
6.268		179567	177077
6.313		13199	12595
6.467		57666	56657
6.614	DCB	2024077	2099579
6.747		908	800
6.924		2156	3181
7.079		1999	2189
7.132		2525	3511
7.781		5939	8611
8.029		1771	2164
8.31		563	792
8.411		981	1713

LANCASTER LABORATORIES

Sample Number: 9001115ACF AB51A09 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:09:56 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.070.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

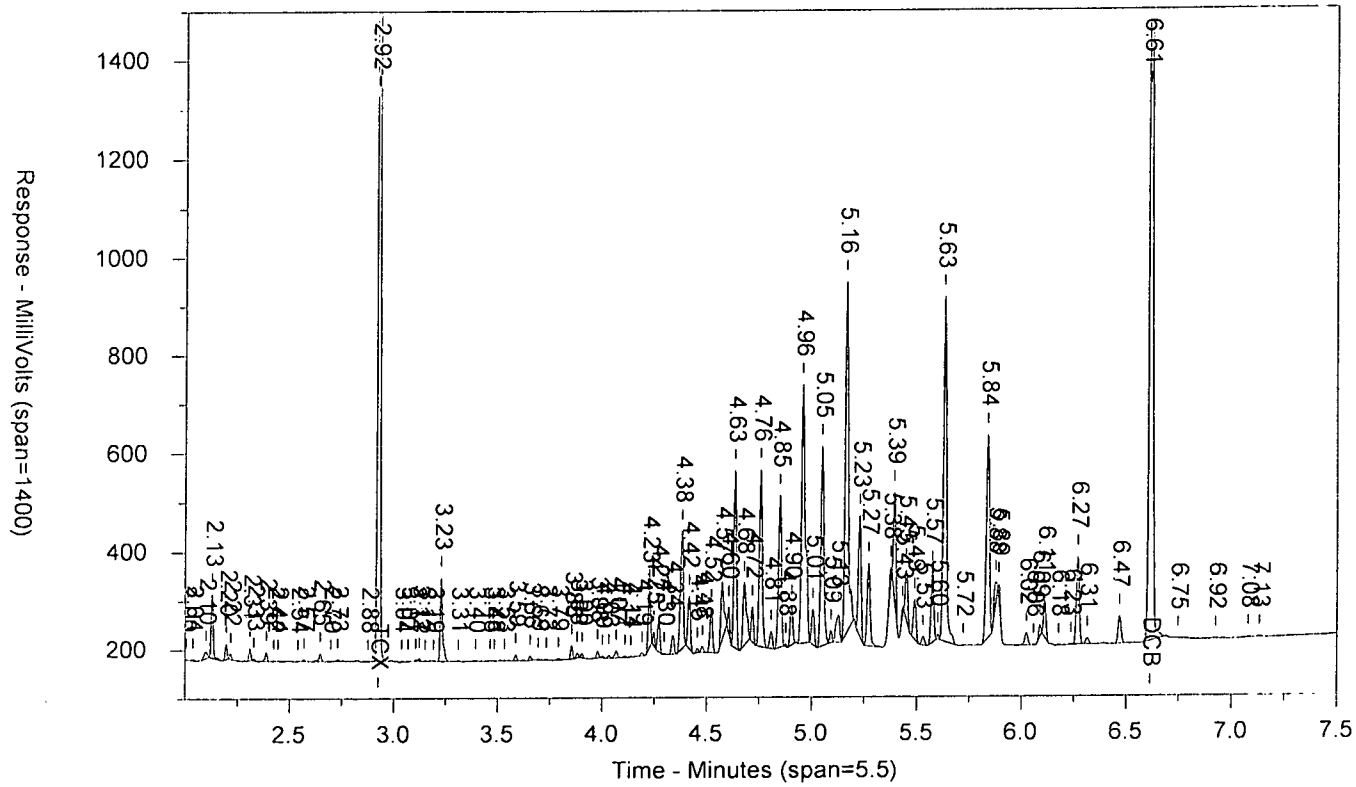
RT B	Compound B	Height B	Area B
2.002		4972	3447
2.052		37981	26807
2.113		140993	84022
2.138		7990	5379
2.156		30862	17344
2.182		11712	7905
2.238		22174	24850
2.285		4124	3218
2.319		9851	9923
2.363		107335	86518
2.394		10188	7885
2.434		24567	18095
2.477		6564	11483
2.537		11132	8459
2.567		6543	5800
2.589		13681	8029
2.614	TCX	23226830	13194930
2.677		5301	2548
2.691		3395	3126
2.734		24606	15272
2.783		18236	9679
2.818		26304	26787
2.841		21229	29432
2.876		7614	4263
2.92		1004231	672654
2.947		24754	16346
2.994		13369	15222
3.034		3289	2247
3.081		6840	6517
3.105		7983	7248
3.144		8564	4119
3.18		14018	17492
3.223		6609	4040
3.243		105361	58910
3.261		5448	3870
3.319		81556	61399
3.361		6155	4762
3.382		16919	7627
3.403		17863	12726
3.432		8336	4709
3.49		18049	17420
3.525		212555	125895
3.548		99752	52478
3.566		82518	42670
3.59		17995	15178
3.651		123531	75345
3.674		42599	26539
3.696		49053	38339
3.725		9995	4467
3.74		99572	56778
3.78		23050	18442
3.8		3642	1661
3.823		24409	22528
3.851		141847	81504

RT B	Compound B	Height B	Area B
3.873		1076387	692528
3.899		400717	238548
3.918		117239	58623
3.937		279732	171811
3.972		1564262	1053768
4.004		804108	527219
4.021		150860	68743
4.082		101974	87830
4.117		525649	383000
4.138		14907	14457
4.174		960798	694972
4.207		479778	387273
4.234		2169676	1982271
4.273		414601	420783
4.326		2631347	2045354
4.363		255688	195616
4.395		1812064	1267537
4.42		624612	420565
4.462		3292303	2641443
4.516		8461	6957
4.565		2235091	2202584
4.614		1656604	1352098
4.656		767987	660637
4.693		4229530	3454047
4.726		1199032	811545
4.764		1034553	788875
4.838		421053	357257
4.863		214653	134074
4.881		111164	60826
4.915		1698167	1263346
4.938		699412	505955
4.989		947757	854765
5.025		512044	420686
5.054		379528	303624
5.086		336326	226907
5.109		4431475	3603345
5.151		98154	67540
5.182		190360	150780
5.247		9848	6882
5.282		3391	2902
5.301		38524	24561
5.324		822460	671009
5.368		2817501	3084018
5.47		4146	4886
5.525		161632	139745
5.569		90569	63255
5.593		134217	101729
5.642		489030	433217
5.721		18496	11199
5.748		1052839	918611
5.78		69105	50222
5.858		4423	7747
5.948		324274	286501
5.979		3965	6890
6.064		1616	1106
6.107	DCB	12119160	10335880
6.141		13849	7749
6.283		5200	4020
6.309		9373	7273
6.374		9366	9179
6.476		2905	2874
6.529		11188	12050
6.585		19065	19198
6.801		1178	2235
6.853		1381	994
7.012		28930	30041

RT B	Compound B	Height B	Area B
7.128		2793	4826
7.311		3459	7026
7.462		3635	9079
7.556		9646	14230
7.941		1703	4992
8.135		3681	10493
8.218		18783	35660
8.354		2358	5456
8.429		3945	7050

9001115ACF AB51A09 T 171430031A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137007.070.RAW



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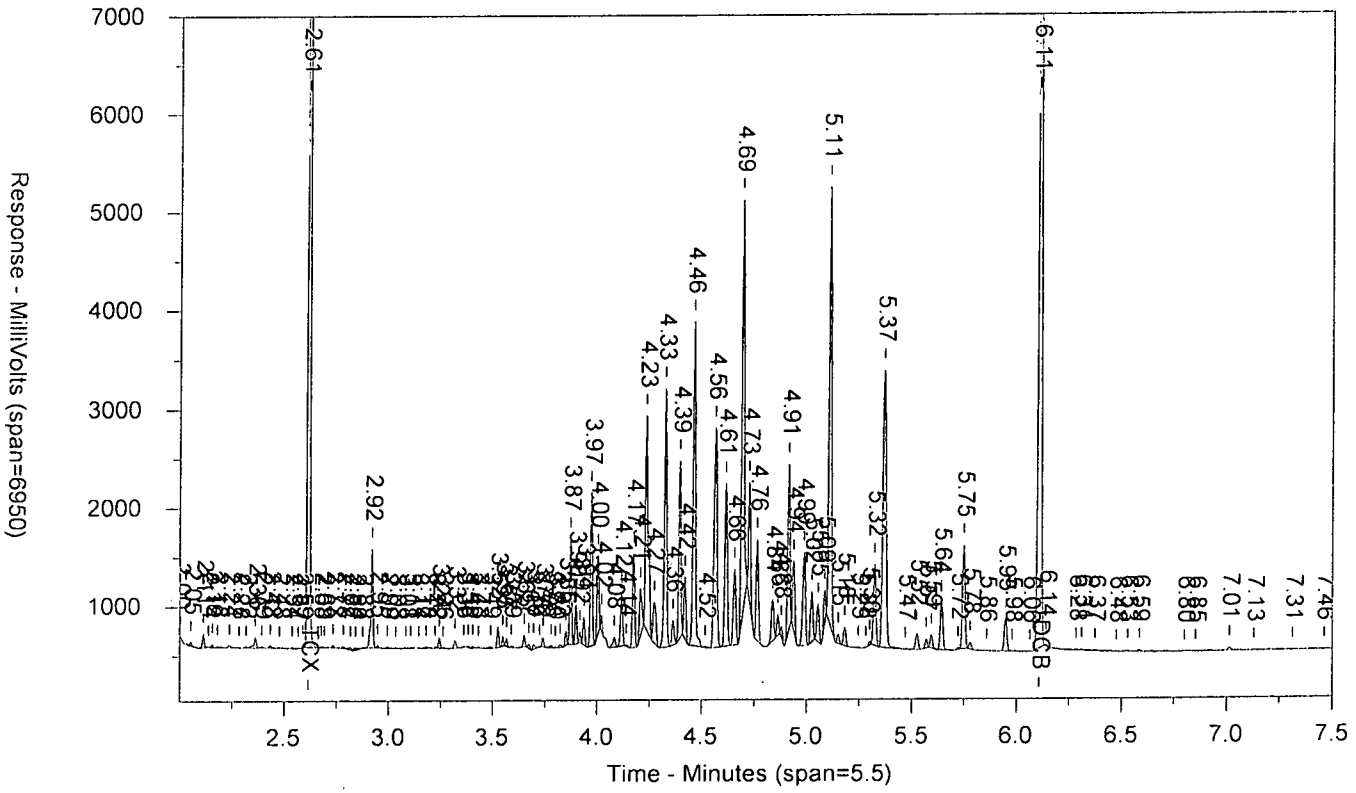


LANCASTER LABORATORIES

Sample Number: 9001115ACF AB51A09 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:09:56 AM Sample Weight: 10.04
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

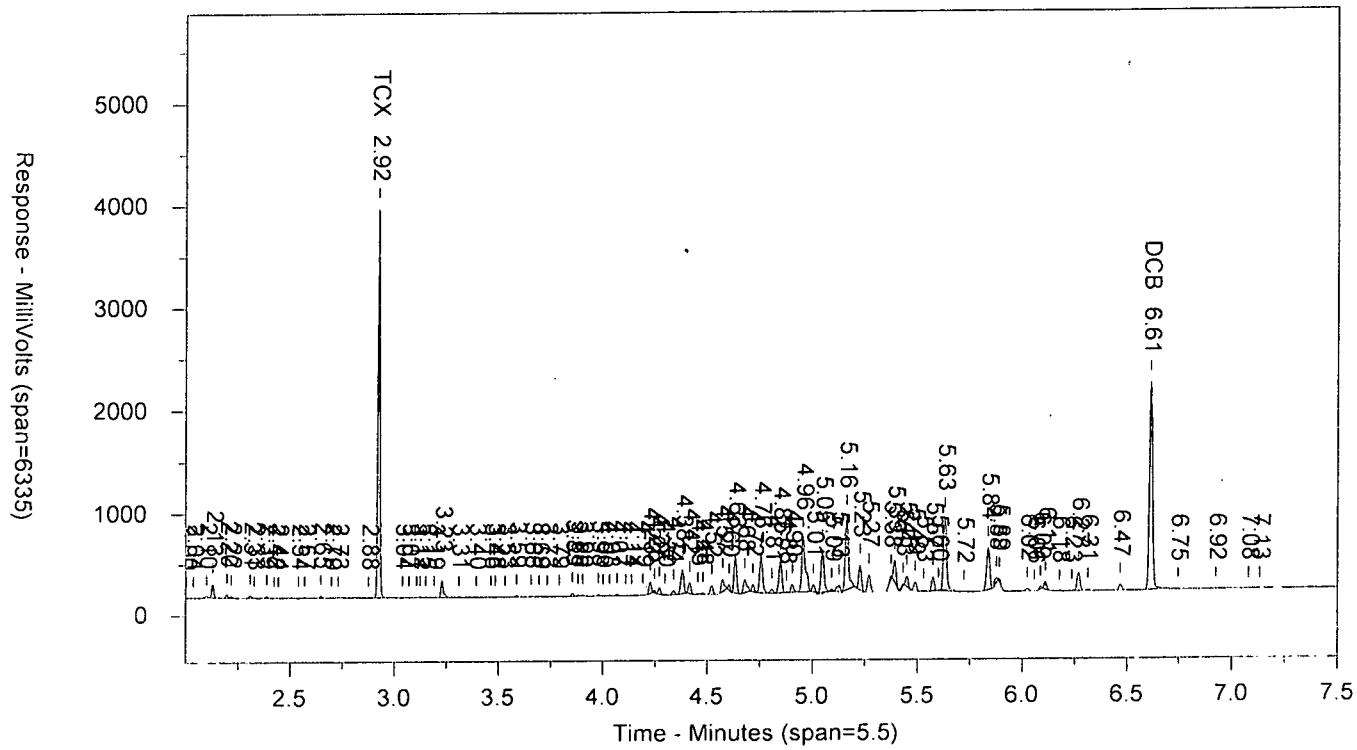
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3802783	33.33	TCX	2.614	23226830	33.464	TCX
6.614	2024077	29.296	DCB	6.107	12119160	24.777	DCB

Files:
Area File: 20pcbs17137007.070.RAW
Area File: 20pcbs17137007B.070.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 9:18:37 AM
File Reported On: 5/25/2017 at 9:18:46 AM

9001115ACF AB51A09 T 171430031A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137007.070.RAW



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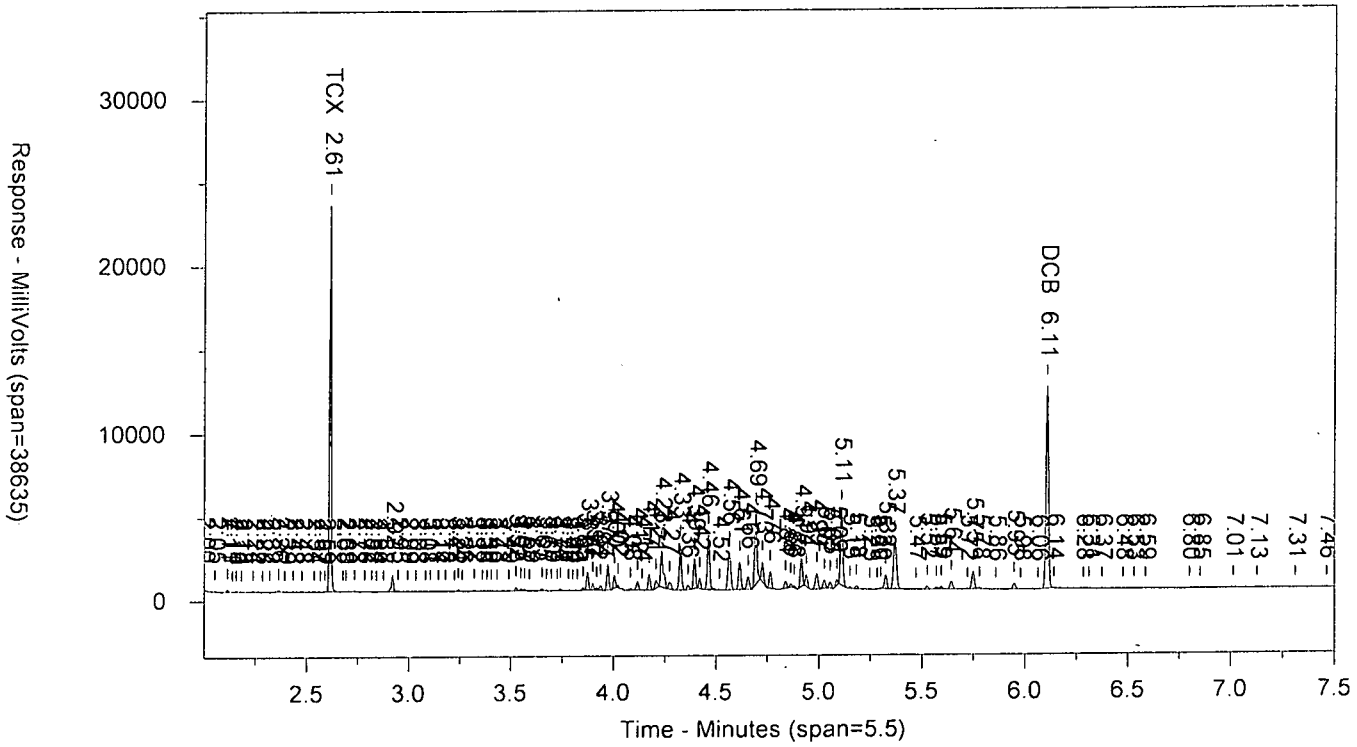

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Data Summary

Sample Name: 9001116 ACF DF5 51A10 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.17 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 09:21:20
Instrument	17342A
Result file	20PCBS17137007.071.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 94% (61 - 152) Conc: 27.11488
%SSR(DCB) 104% (48 - 164) Conc: 29.98331

Analysis Report (B)

Injected on	May 25, 2017 09:21:20
Instrument	17342B
Result file	20PCBS17137007B.071.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 79% (61 - 152) Conc: 22.85046
%SSR(DCB) 90% (48 - 164) Conc: 26.04015

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	626746	27.11488
Decachlorobiphenyl	6.58	6.61	6.64	419684	29.98331

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	3213054	22.85046
Decachlorobiphenyl	6.08	6.11	6.14	2580373	26.04015

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	27.11488				17.07	
☑ Decachlorobiphenyl	A	29.98331				14.08	

Multiple Component Data

Aroclor-1260 — %RSD 10.09

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.73	4.76	4.77	551906.9	647.449886			1
5.20	5.23	5.24	353533.9	641.038704			3
5.37	5.39	5.41	480663.8	763.850778			4
5.61	5.63	5.65	1200540	787.033608			5
5.82	5.84	5.86	667523.1	778.986824			6

Height summation: **3254167.7**
Concentration CF: **723.67196** L:

Aroclor-1260 — %RSD 8.89

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.31	4.33	4.35	3814836	664.288343			1
4.44	4.46	4.48	5066496	748.130743			2
4.55	4.57	4.59	3543636	650.364067			3
4.90	4.92	4.94	2469031	589.508428			4
5.09	5.11	5.13	7024583	739.052318			5
5.35	5.37	5.39	4539383	713.926366			6

Height summation: **26457965**
Concentration CF: **684.211711** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<250.7375	<48.6726			4	
☑ PCB-1221			<250.7375	<75.2212			3	
☑ PCB-1232			<250.7375	<60.472			4	
☑ PCB-1242			<250.7375	<60.472			4	
☑ PCB-1248			<250.7375	<48.6726			4	
☑ PCB-1254			<250.7375	<64.8968			4	
☑ PCB-1260	A	723.67196	250.7375	57.5221		5.61	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
Date: MAY 25 2017

Verified by:
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001116** ACF DF5 51A10 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.17 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:21:20
Instrument : CP20--17342A
Result file : 20PCBS17137007.071.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 94% (61-152) Conc.: 27.11488
%SSR(DCB) : 104% (48-164) Conc.: 29.98331

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**136.83**	
+ 3.16	3.16	3.20	948.1418	2.271809			1
3.16	3.19	3.20	3115.611	7.465205			1
3.37	3.40	3.41	5408.102	12.690196			2
3.49	3.51	3.53	4038.106	8.416381			3
3.71	3.73	3.75	11084.15	20.851503			4
3.76	3.79	3.80	4119.8	9.475417			5
3.96	3.98	4.00	34652.51	99.398278			6
Height Summation:			**62418.279**				
Amount Avg CF:			**26.38283**	Linear:			
Aroclor-1221					**3**	**13.10**	
3.06	3.07	3.10	1446.646	7.235921			1
3.11	3.12	3.15	1172.818	6.785643			2
+ 3.16	3.16	3.20	948.1418	1.698071			3
3.16	3.19	3.20	3115.611	5.579892			3
Height Summation:			**5735.075**				
Amount Avg CF:			**6.533819**	Linear:			
Aroclor-1232					**6**	**148.46**	
+ 3.16	3.16	3.20	948.1418	1.893036			1
3.16	3.19	3.20	3115.611	6.22055			1
3.38	3.40	3.42	5408.102	26.834106			2
3.49	3.51	3.53	4038.106	18.260639			3
3.71	3.73	3.75	11084.15	46.205268			4
3.77	3.79	3.81	4119.8	21.905677			5
3.96	3.98	4.00	34652.51	238.356007			6
Height Summation:			**62418.279**				
Amount Avg CF:			**59.630375**	Linear:			
Aroclor-1242					**6**	**138.38**	
+ 3.16	3.16	3.20	948.1418	2.651874			1
3.16	3.19	3.20	3115.611	8.714106			1
3.38	3.40	3.42	5408.102	15.317856			2
3.49	3.51	3.53	4038.106	10.445252			3
3.71	3.73	3.75	11084.15	25.486561			4
3.77	3.79	3.81	4119.8	12.099058			5
3.96	3.98	4.00	34652.51	124.487646			6
Height Summation:			**62418.279**				
Amount Avg CF:			**32.758413**	Linear:			
Aroclor-1248					**6**	**149.78**	
3.76	3.79	3.80	4119.8	17.452273			1
3.83	3.86	3.87	58643.54	136.602951			2
3.96	3.98	4.00	34652.51	68.54006			3
4.05	4.07	4.09	25835.25	61.470695			4
4.23	4.23	4.27	203140	408.013374			5
+ 4.23	4.25	4.27	49471.38	99.364894			5
4.61	4.64	4.65	481693.3	1319.81558			6
Height Summation:			**808084.4**				
Amount Avg CF:			**335.315822**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:21:20
Instrument : CP20--17342B
Result file : 20PCBS17137007B.071.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 79% (61-152) Conc.: 22.85046
%SSR(DCB) : 90% (48-164) Conc.: 26.04015

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**130.85**	
2.88	2.91	2.92	630031.6	273.930302			1
3.21	3.22	3.25	34112.38	11.93494			2
+ 3.21	3.24	3.25	8318.005	2.91023			2
+ 3.40	3.40	3.44	38276.48	13.327461			3
3.40	3.43	3.44	45814.3	15.952049			3
3.47	3.49	3.51	37357.96	10.999236			4
3.63	3.65	3.67	236765.6	82.970392			5
+ 3.72	3.73	3.76	21046.07	8.606897			6
3.72	3.74	3.76	166888.2	68.249775			6
Height Summation:			**1150970.04**				
Amount Avg CF:			**77.339449**	Linear:			
Aroclor-1221					**3**	**136.61**	
2.77	2.78	2.81	20404.72	16.810627			1
2.83	2.83	2.87	12324.26	16.47103			2
+ 2.83	2.86	2.87	5926.45	7.920535			2
2.88	2.91	2.92	630031.6	202.977496			3
Height Summation:			**662760.58**				
Amount Avg CF:			**78.753051**	Linear:			
Aroclor-1232					**6**	**82.33**	
2.88	2.91	2.92	630031.6	224.218592			1
3.21	3.22	3.25	34112.38	25.118875			2
+ 3.21	3.24	3.25	8318.005	6.125018			2
+ 3.40	3.40	3.44	38276.48	31.503784			3
3.40	3.43	3.44	45814.3	37.707851			3
3.47	3.49	3.51	37357.96	25.027182			4
+ 3.66	3.68	3.70	49846.91	122.278786			5
3.66	3.70	3.70	65516.27	160.717083			5
+ 3.73	3.73	3.77	21046.07	19.692054			6
3.73	3.74	3.77	166888.2	156.151311			6
Height Summation:			**979720.71**				
Amount Avg CF:			**104.823482**	Linear:			
Aroclor-1242					**6**	**125.73**	
2.88	2.91	2.92	630031.6	318.585705			1
3.21	3.22	3.25	34112.38	14.44351			2
+ 3.21	3.24	3.25	8318.005	3.521923			2
+ 3.40	3.40	3.44	38276.48	16.480518			3
3.40	3.43	3.44	45814.3	19.72604			3
3.47	3.49	3.51	37357.96	14.073741			4
3.64	3.65	3.68	236765.6	108.333318			5
+ 3.73	3.73	3.77	21046.07	10.750766			6
3.73	3.74	3.77	166888.2	85.249928			6
Height Summation:			**1150970.04**				
Amount Avg CF:			**93.40204**	Linear:			
Aroclor-1248					**6**	**155.04**	
+ 3.40	3.40	3.44	38276.48	33.791694			1
3.40	3.43	3.44	45814.3	40.446322			1
3.51	3.53	3.55	357845.2	112.011011			2
3.63	3.65	3.67	236765.6	59.319065			3
+ 3.72	3.73	3.76	21046.07	7.302482			4
3.72	3.74	3.76	166888.2	57.90621			4
3.86	3.87	3.90	1477480	270.657735			5
4.22	4.24	4.26	2827379	1171.451227			6
Height Summation:			**5112172.3**				
Amount Avg CF:			**285.298595**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001116** ACF DF5 51A10 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.17 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:21:20
Instrument : CP20--17342A
Result file : 20PCBS17137007.071.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	72.28	
4.21	4.23	4.25	203140	346.056973			1
4.55	4.57	4.59	178975	303.382497			2
4.61	4.64	4.65	481693.3	404.281387			3
4.73	4.76	4.77	551906.9	1543.229938			4
4.83	4.85	4.87	443781.2	563.618608			5
5.14	5.17	5.18	1043152	1289.723828			6
Height Summation:			**2902648.4**				
Amount Avg CF:			**741.715538**	Linear:			
Aroclor-1260					6	30.74	
4.73	4.76	4.77	551906.9	647.449886			1
5.03	5.05	5.07	623083.3	1322.889145			2
5.20	5.20	5.24	8518.455	15.445929			3
5.20	5.23	5.24	353533.9	641.038704			3
5.37	5.39	5.41	480663.8	763.850778			4
5.61	5.63	5.65	1200540	787.033608			5
5.82	5.84	5.86	667523.1	778.986824			6
Height Summation:			**3877251**				
Amount Avg CF:			**823.541491**	Linear:			
Aroclor-1262					6	29.69	
5.21	5.23	5.24	353533.9	348.16804			1
5.37	5.39	5.41	480663.8	585.955459			2
5.61	5.63	5.65	1200540	605.518083			3
5.81	5.84	5.85	667523.1	609.212797			4
5.87	5.88	5.91	162172.1	298.769837			5
6.25	6.27	6.29	266754.9	403.952402			6
Height Summation:			**3131187.8**				
Amount Avg CF:			**475.262769**	Linear:			
Aroclor-1268					6	112.17	
5.81	5.84	5.85	667523.1	273.966633			1
5.87	5.88	5.91	162172.1	76.284251			2
6.00	6.02	6.04	15483.54	7.810841			3
6.07	6.09	6.11	23828.03	52.430781			4
6.25	6.27	6.29	266754.9	325.790291			5
6.45	6.47	6.49	61203.32	9.551592			6
Height Summation:			**1196964.99**				
Amount Avg CF:			**124.305731**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:21:20
Instrument : CP20--17342B
Result file : 20PCBS17137007B.071.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	70.07	
4.16	4.17	4.19	1385166	325.751126			1
4.22	4.24	4.26	2827379	374.738604			2
4.31	4.33	4.35	3814836	1086.907705			3
4.38	4.40	4.42	2540329	500.85698			4
4.44	4.46	4.48	5066496	1734.635171			5
4.60	4.62	4.64	2242511	630.219642			6
Height Summation:			**17876717**				
Amount Avg CF:			**775.518205**	Linear:			
Aroclor-1260					6	8.89	
4.31	4.33	4.35	3814836	664.288343			1
4.44	4.46	4.48	5066496	748.130743			2
4.55	4.57	4.59	3543636	650.364067			3
4.90	4.92	4.94	2469031	589.508428			4
5.09	5.11	5.13	7024583	739.052318			5
5.35	5.37	5.39	4539383	713.926366			6
Height Summation:			**26457965**				
Amount Avg CF:			**684.211711**	Linear:			
Aroclor-1262					6	36.14	
4.71	4.73	4.75	1748306	265.188307			1
4.90	4.92	4.94	2469031	376.48757			2
5.09	5.11	5.13	7024583	563.13562			3
5.31	5.32	5.35	1145995	221.710062			4
5.35	5.37	5.39	4539383	545.608283			5
5.73	5.75	5.77	1637469	363.669149			6
Height Summation:			**18564767**				
Amount Avg CF:			**389.299832**	Linear:			
Aroclor-1268					6	120.69	
5.31	5.32	5.35	1145995	68.075841			1
5.35	5.37	5.39	4539383	266.336056			2
5.51	5.52	5.55	113031.7	7.719387			3
5.57	5.59	5.61	59521.66	16.812947			4
5.73	5.75	5.77	1637469	285.420143			5
5.93	5.95	5.97	387837.3	8.894912			6
Height Summation:			**7883237.66**				
Amount Avg CF:			**108.876548**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			250.7375	48.6726		** 98.26	4	40	
Aroclor-1221			250.7375	75.2212		** 169.36	3	5	
Aroclor-1232			250.7375	60.472		** 54.96	4	10	
Aroclor-1242			250.7375	60.472		** 96.14	4	30	
Aroclor-1248			250.7375	48.6726		16.12	4	40	
Aroclor-1254			250.7375	64.8968		4.46	4	40	
Aroclor-1260			250.7375	57.5221		18.48	4	40	
Aroclor-1262			250.7375	48.6726		19.89	4	40	
Aroclor-1268			250.7375	48.6726		13.23	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001116ACF DF5 AC51A10 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:21:20 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.071.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		7008	7004
2.1		8753	9827
2.129		16142	9929
2.196		51696	33689
2.309		20723	16839
2.333		2576	1894
2.379		6615	9076
2.418		2069	1626
2.506		1728	1095
2.547		3555	6416
2.626		7296	4509
2.647		28003	17771
2.733		1516	895
2.774		7952	6456
2.825		2478	1851
2.872		1558	945
2.924	TCX	626746	414504
3.011		1469	904
3.037		2265	1545
3.072		1447	1206
3.122		1173	635
3.163		948	688
3.188		3116	3852
3.229		45376	22699
3.243		94243	50848
3.316		791	470
3.397		5408	3434
3.463		1435	1087
3.514		4038	2514
3.556		1139	753
3.586		2803	2583
3.632		997	1133
3.667		5819	3947
3.695		10227	9864
3.735		11084	9246
3.788		4120	3999
3.855		58644	42533
3.882		22167	15600
3.904		25360	15749
3.98		34653	23914
4.003		6505	4287
4.034		8110	5638
4.07		25835	23728
4.111		7752	6385
4.138		3345	1971
4.17		1027	934
4.192		9027	7312
4.228		203140	146498
4.249		49471	27789
4.273		96308	74553
4.34		60646	56272
4.382		368306	354267
4.416		143432	112945
4.457		10554	7517

RT A	Compound A	Height A	Area A
4.48		17944	13093
4.522		121753	115422
4.574		178975	179889
4.605		63920	39203
4.635		481693	427056
4.68		205429	229580
4.719		102657	80046
4.758		551907	527185
4.809		47457	41268
4.849		443781	425787
4.877		6147	3210
4.905		118272	108228
4.93		4003	1779
4.957		808411	1007397
5.007		106591	98137
5.05		623083	601074
5.093		34922	25255
5.129		81742	105399
5.166		1043152	974788
5.188		41125	18256
5.204		8518	3332
5.228		353534	316681
5.271		258774	256649
5.324		2627	1888
5.392		480664	712697
5.451		224039	204171
5.49		133308	123301
5.53		25453	25272
5.575		207908	191347
5.603		16126	9490
5.632		1200540	1106650
5.666		9292	5723
5.721		1667	1333
5.79		2133	2128
5.839		667523	675091
5.877		162172	335704
6.023		15484	21113
6.086		23828	17052
6.11		107261	98916
6.174		2433	3366
6.267		266755	266604
6.313		18683	18240
6.467		61203	61274
6.54		1916	2044
6.612	DCB	419684	461411
6.691		1830	1650
7.084		1021	2481
7.227		1407	2453
7.413		498	1105
7.779		1814	2772
8.028		3822	6615
8.092		746	722
8.172		665	526
8.387		1084	2200

LANCASTER LABORATORIES

Sample Number: 9001116ACF DF5 AC51A10 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:21:20 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.071.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		10559	16452
2.046		17056	15399
2.069		20889	17026
2.098		27859	52662
2.16		31814	36333
2.19		11479	7369
2.208		5781	4276
2.229		6806	3303
2.244		9959	4932
2.282		8581	7802
2.309		11042	4390
2.318		17636	6075
2.363		161988	123750
2.395		9332	4228
2.417		7505	5017
2.438		15479	15383
2.463		7786	3993
2.476		3537	1372
2.544		47282	41281
2.578		12868	11535
2.614	TCX	3213054	1904279
2.675		5395	2075
2.703		12742	14425
2.73		12860	11387
2.783		20405	18646
2.81		9750	6228
2.833		12324	10712
2.865		5926	4436
2.91		630032	622064
2.948		9024	6345
2.971		7521	3872
3.004		12225	18625
3.034		20888	15075
3.09		4229	7366
3.105		19644	15643
3.149		7343	5153
3.18		4859	3023
3.199		7719	4450
3.225		34112	21855
3.244		8318	3795
3.262		13053	9329
3.323		62466	45953
3.355		5293	2775
3.383		61694	44138
3.404		38276	19873
3.433		45814	25515
3.491		37358	30180
3.526		357845	215462
3.549		186919	99343
3.567		176914	93261
3.598		8509	4624
3.617		2358	945
3.652		236766	148101
3.675		49847	26705

RT B	Compound B	Height B	Area B
3.696		65516	50732
3.725		21046	9915
3.741		166888	95873
3.781		47074	44180
3.822		13642	7554
3.852		238368	136824
3.875		1477480	970150
3.899		471158	280034
3.919		177364	91012
3.938		354004	220119
3.973		2057060	1437280
4.005		961101	621892
4.022		208833	93901
4.084		125537	113885
4.118		706496	520062
4.143		30339	21002
4.174		1385167	1010163
4.208		590177	490016
4.235		2827379	2665931
4.274		607123	612794
4.327		3814836	3067011
4.364		322964	261640
4.396		2540329	1755667
4.421		918475	619498
4.463		5066497	3787260
4.487		40617	18685
4.518		26469	19424
4.565		3543636	3322261
4.615		2242511	1831980
4.657		1113947	965749
4.694		6029648	5109386
4.726		1748306	1211618
4.766		1515468	1205703
4.839		87601	78156
4.865		353941	229879
4.881		150555	80447
4.916		2469031	1905957
4.94		997288	678420
4.99		1469379	1293587
5.025		795193	646499
5.054		544570	439034
5.087		548687	339908
5.109		7024583	5576754
5.151		160600	118973
5.183		222967	181782
5.245		5078	3728
5.301		61119	38707
5.325		1145995	969423
5.369		4539383	4691990
5.468		4624	4990
5.524		113032	96591
5.57		158224	121023
5.593		59522	41124
5.614		11367	5602
5.642		771344	621623
5.723		4316	2730
5.749		1637469	1383723
5.781		100185	76384
5.948		387837	322007
6.107	DCB	2580373	2235694
6.192		2467	2691
6.282		7786	5988
6.31		18722	20616
6.445		3050	2745
6.53		14643	16658
6.589		4155	5203

RT B	Compound B	Height B	Area B
6.827		3701	12707
6.949		4129	5092
7.01		8458	7881
7.126		3881	4638
7.237		2730	3329
7.297		4466	6762
7.461		6343	16104
7.554		16223	19374
7.601		2514	3299
7.71		2335	1993
7.837		2478	3245
8.055		3391	11717
8.124		2308	4198
8.217		17860	31772
8.345		6509	16640
8.434		1722	1483
8.557		1908	3365

9001116ACF DF5 AC51A10 T 171430031A 10225 SW-846 8082

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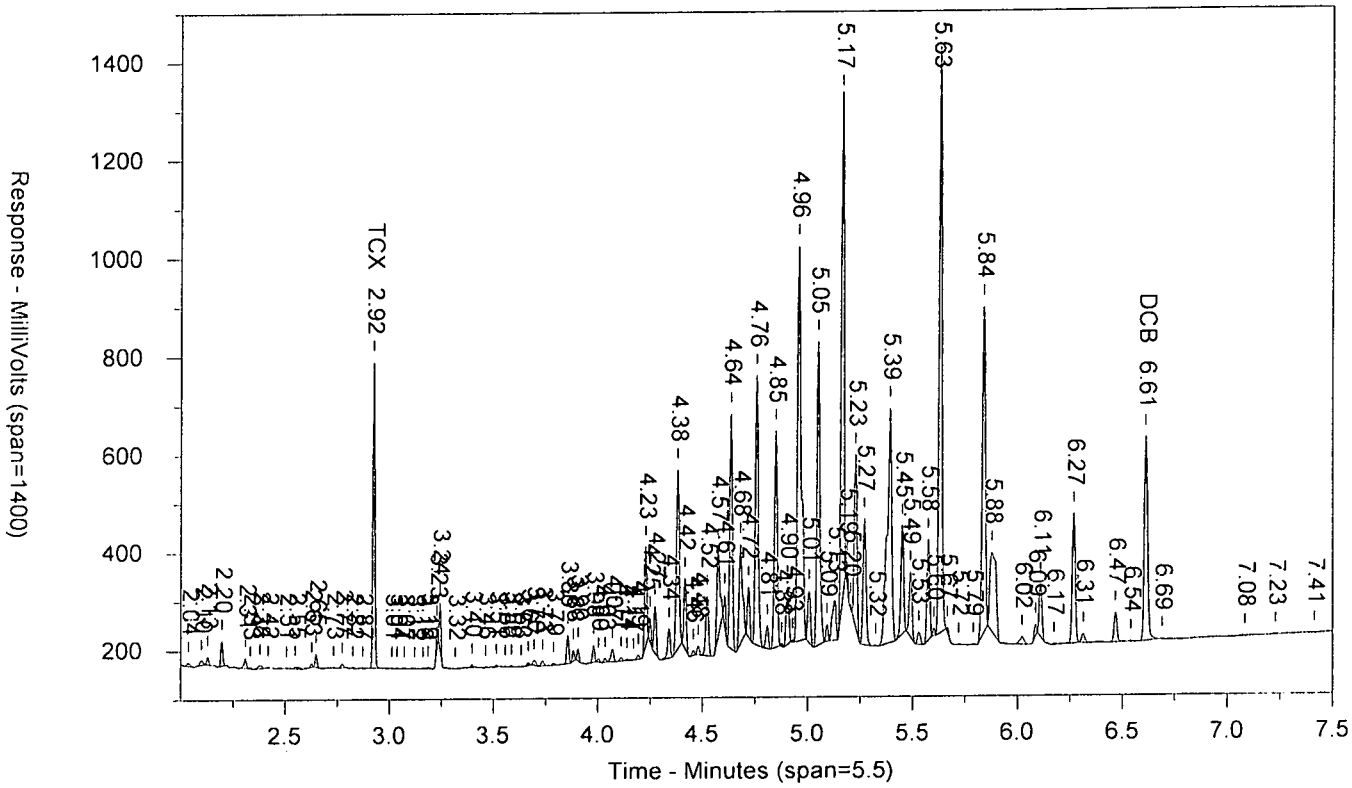

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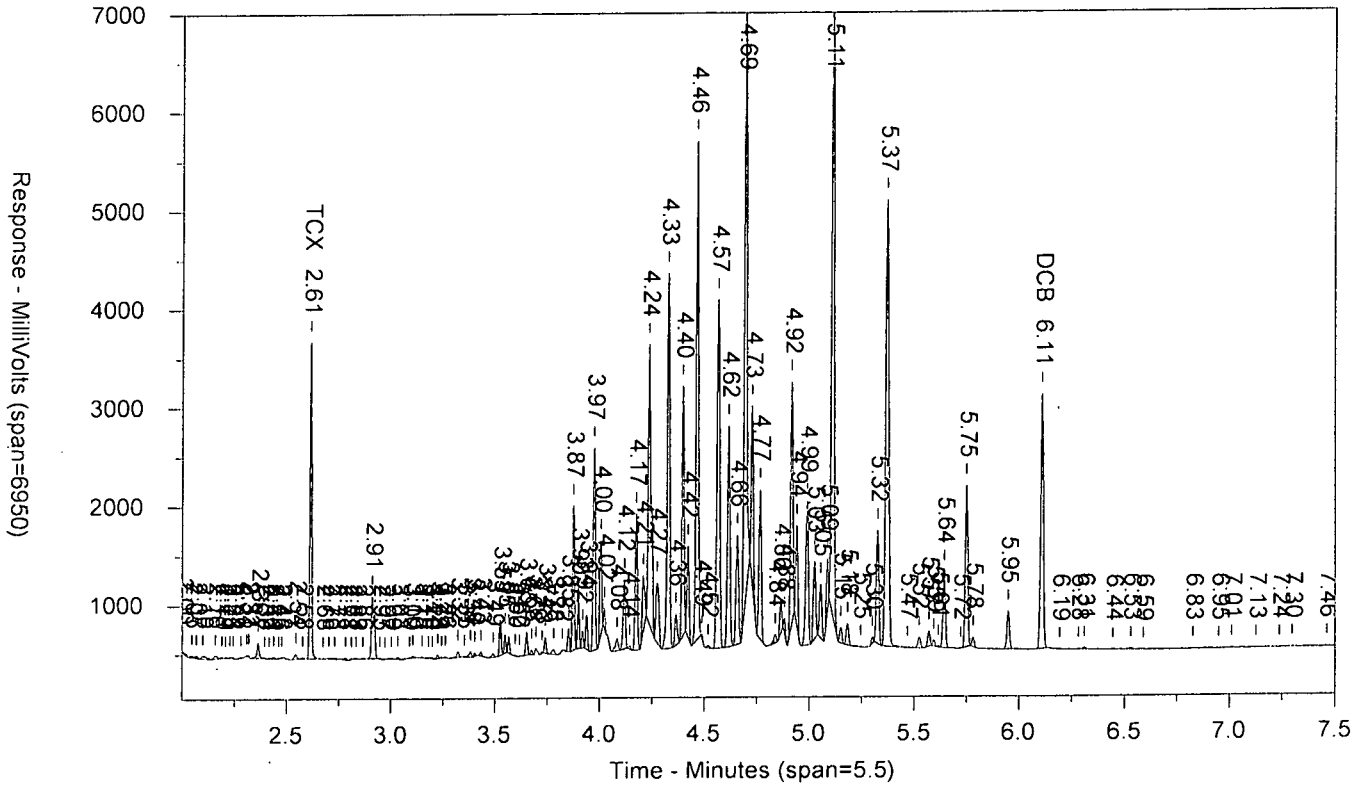

LANCASTER LABORATORIES

Sample Number: 9001116ACF DF5 AC51A10 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:21:20 AM Sample Weight: 10.17
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	626746	27.115	TCX	2.614	3213054	22.85	TCX
6.612	419684	29.983	DCB	6.107	2580373	26.04	DCB

Files:
Area File: 20pcbs17137007.071.RAW
Area File: 20pcbs17137007B.071.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 9:30:04 AM
File Reported On: 5/25/2017 at 9:30:43 AM

9001116ACF DF5 AC51A10 T 171430031A 10225 SW-846 8082

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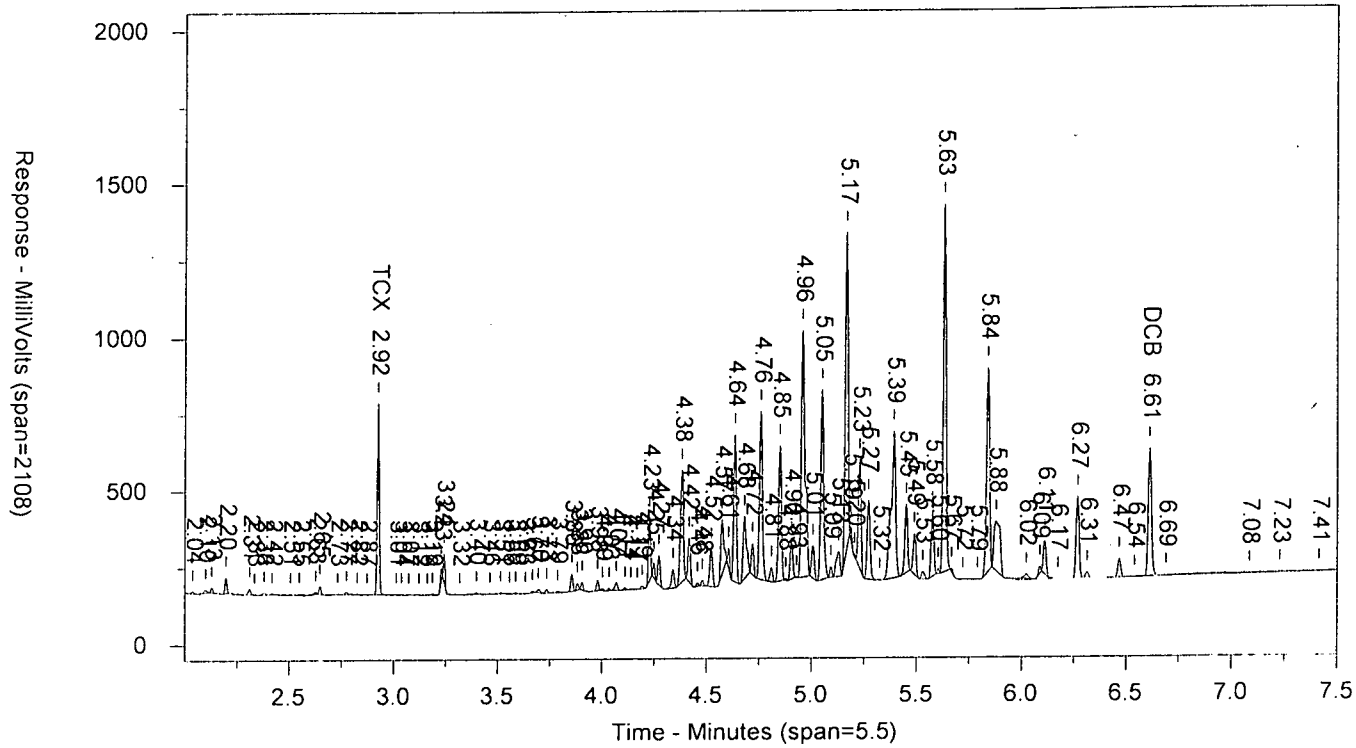

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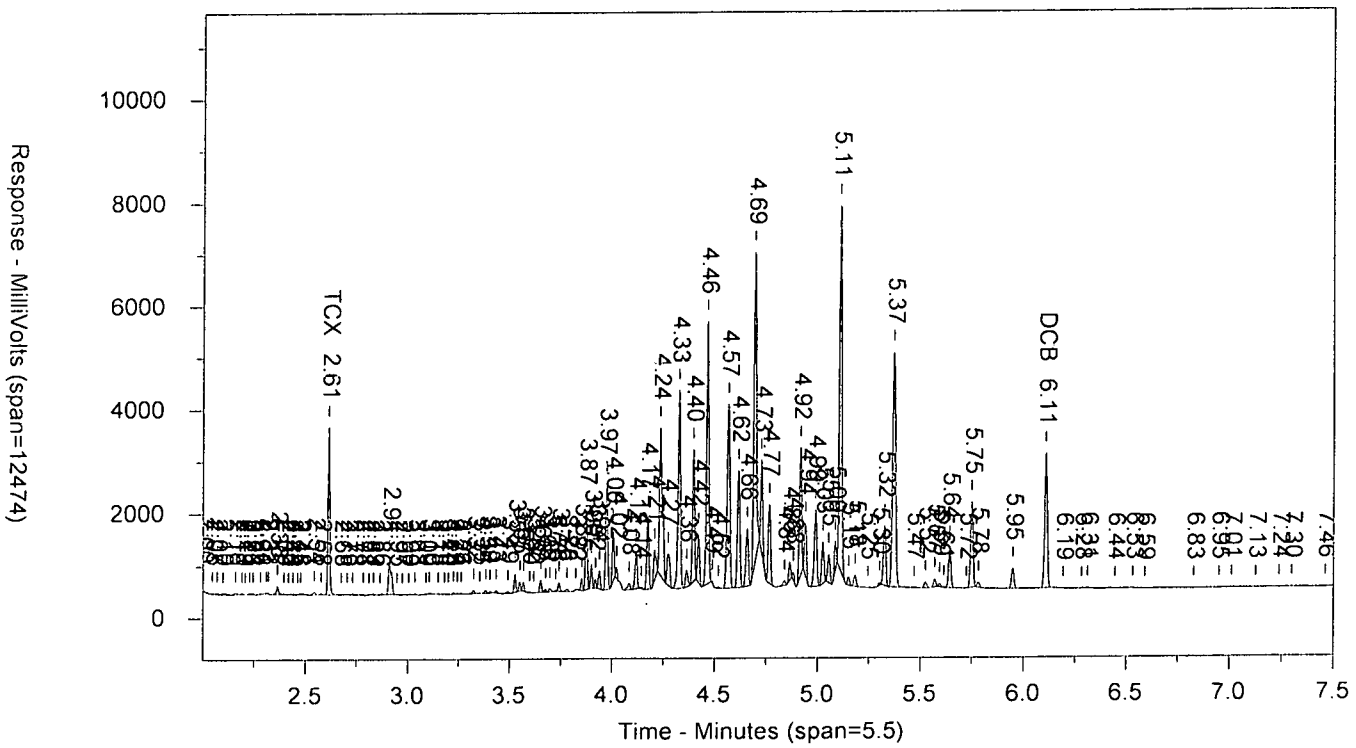

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Data Summary

Sample Name: 9001117 ACF 51A11 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.03 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 09:32:52
Instrument	17342A
Result file	20PCBS17137007.072.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 120% (61 - 152) Conc: 35.053
%SSR(DCB) 104% (48 - 164) Conc: 30.48122

Analysis Report (B)

Injected on	May 25, 2017 09:32:52
Instrument	17342B
Result file	20PCBS17137007B.072.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 118% (61 - 152) Conc: 34.50603
%SSR(DCB) 90% (48 - 164) Conc: 26.26262

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3995390	35.053
Decachlorobiphenyl	6.58	6.61	6.64	2103900	30.48122

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	23925890	34.50603
Decachlorobiphenyl	6.08	6.11	6.14	12832970	26.26262

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	35.053				1.57	
☑ Decachlorobiphenyl	A	30.48122				14.87	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.46**	
4.73	4.76	4.77	1636060	389.215007			1
5.20	5.23	5.24	1015246	373.314183			3
5.37	5.39	5.41	972037.1	313.25641			4
5.61	5.63	5.65	3911523	520.01102			5
5.82	5.84	5.86	2156499	510.344089			6

Height summation: **9691365.1**
Concentration CF: **421.228142** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.98**	
4.31	4.33	4.35	11945690	421.834422			1
4.44	4.46	4.48	16575680	496.35359			2
4.55	4.57	4.59	11042310	410.976873			3
4.90	4.91	4.94	7849897	380.082128			4
5.09	5.11	5.13	24239420	517.162319			5
5.35	5.37	5.39	13387350	426.973801			6

Height summation: **85040347**
Concentration CF: **442.230522** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<50.8475	<9.8704			4	
☑ PCB-1221			<50.8475	<15.2542			3	
☑ PCB-1232			<50.8475	<12.2632			4	
☑ PCB-1242			<50.8475	<12.2632			4	
☑ PCB-1248			<50.8475	<9.8704			4	
☑ PCB-1254			<50.8475	<13.1605			4	
☑ PCB-1260	B	442.230522	50.8475	11.665		4.86	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by:
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001117** ACF 51A11 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.03 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:32:52
Instrument : CP20--17342A
Result file : 20PCBS17137007.072.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 120% (61-152) Conc.: 35.053
%SSR(DCB) : 104% (48-164) Conc.: 30.48122

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	170.49	
3.16	3.18	3.20	4103.99	1.994136			1
3.37	3.40	3.41	3007.938	1.431338			2
3.49	3.51	3.53	3438.374	1.453285			3
3.71	3.73	3.75	10649.06	4.062527			4
3.76	3.79	3.80	7189.691	3.353377			5
3.96	3.98	4.00	61725.52	35.905331			6
Height Summation:			90114.573				
Amount Avg CF:			8.033333	Linear:			
Aroclor-1221					3	95.32	
3.06	3.07	3.10	1434.111	1.454669			1
3.11	3.12	3.15	5862.682	6.878706			2
+ 3.11	3.15	3.15	775.488	0.909883			2
3.16	3.18	3.20	4103.99	1.490524			3
Height Summation:			11400.783				
Amount Avg CF:			3.274633	Linear:			
Aroclor-1232					6	180.32	
3.16	3.18	3.20	4103.99	1.661659			1
3.38	3.40	3.42	3007.938	3.026643			2
3.49	3.51	3.53	3438.374	3.153126			3
3.71	3.73	3.75	10649.06	9.002236			4
3.77	3.79	3.81	7189.691	7.752482			5
3.96	3.98	4.00	61725.52	86.1006			6
Height Summation:			90114.573				
Amount Avg CF:			18.449458	Linear:			
Aroclor-1242					6	171.56	
3.16	3.18	3.20	4103.99	2.327748			1
3.38	3.40	3.42	3007.938	1.727715			2
3.49	3.51	3.53	3438.374	1.803617			3
3.71	3.73	3.75	10649.06	4.965582			4
3.77	3.79	3.81	7189.691	4.281892			5
3.96	3.98	4.00	61725.52	44.968285			6
Height Summation:			90114.573				
Amount Avg CF:			10.012473	Linear:			
Aroclor-1248					6	172.97	
3.76	3.79	3.80	7189.691	6.17641			1
3.83	3.86	3.87	110809.4	52.343953			2
3.96	3.98	4.00	61725.52	24.758513			3
4.05	4.07	4.09	51391.81	24.797014			4
4.23	4.23	4.27	446886.4	182.022931			5
+ 4.23	4.25	4.27	92148.69	37.533419			5
4.61	4.63	4.65	1515729	842.198029			6
Height Summation:			2193731.821				
Amount Avg CF:			188.716142	Linear:			
Aroclor-1254					6	82.77	
4.21	4.23	4.25	446886.4	154.382941			1
4.55	4.57	4.59	450616.2	154.901266			2
4.61	4.63	4.65	1515729	257.979215			3
4.73	4.76	4.77	1636060	927.713888			4
4.83	4.85	4.87	1048011	269.918269			5
5.14	5.17	5.18	3604050	903.628566			6
Height Summation:			8701352.6				
Amount Avg CF:			444.754024	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:32:52
Instrument : CP20--17342B
Result file : 20PCBS17137007B.072.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 118% (61-152) Conc.: 34.50603
%SSR(DCB) : 90% (48-164) Conc.: 26.26262

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	95.90	
2.88	2.91	2.92	92009.12	8.112573			1
+ 3.21	3.22	3.25	23176.84	1.644419			2
3.21	3.24	3.25	96641.27	6.85679			2
3.40	3.40	3.44	39194.22	2.767499			3
+ 3.40	3.42	3.44	10894.09	0.76923			3
+ 3.40	3.43	3.44	24769.75	1.748989			3
3.47	3.49	3.51	51228.5	3.058729			4
3.63	3.65	3.67	448651.8	31.883352			5
+ 3.72	3.72	3.76	44668.25	3.704457			6
3.72	3.74	3.76	313639.3	26.010942			6
Height Summation:			1041364.21				
Amount Avg CF:			13.114981	Linear:			
Aroclor-1221					3	35.07	
2.77	2.78	2.81	72004.34	12.029898			1
2.83	2.84	2.87	29883.63	8.099222			2
2.88	2.91	2.92	92009.12	6.011273			3
Height Summation:			193897.09				
Amount Avg CF:			8.713464	Linear:			
Aroclor-1232					6	106.24	
2.88	2.91	2.92	92009.12	6.640338			1
+ 3.21	3.22	3.25	23176.84	3.460927			2
3.21	3.24	3.25	96641.27	14.431146			2
3.40	3.40	3.44	39194.22	6.541883			3
+ 3.40	3.42	3.44	10894.09	1.818326			3
+ 3.40	3.43	3.44	24769.75	4.134304			3
3.47	3.49	3.51	51228.5	6.959699			4
+ 3.66	3.67	3.70	98379.18	48.940239			5
3.66	3.70	3.70	135874.8	67.593014			5
3.73	3.74	3.77	313639.3	59.511445			6
Height Summation:			728587.21				
Amount Avg CF:			26.946254	Linear:			
Aroclor-1242					6	98.80	
2.88	2.91	2.92	92009.12	9.435064			1
+ 3.21	3.22	3.25	23176.84	1.990054			2
3.21	3.24	3.25	96641.27	8.297999			2
3.40	3.40	3.44	39194.22	3.422243			3
+ 3.40	3.42	3.44	10894.09	0.951217			3
+ 3.40	3.43	3.44	24769.75	2.162771			3
3.47	3.49	3.51	51228.5	3.913705			4
3.64	3.65	3.68	448651.8	41.629661			5
+ 3.64	3.67	3.68	98379.18	9.128442			5
3.73	3.74	3.77	313639.3	32.489938			6
Height Summation:			1041364.21				
Amount Avg CF:			16.531435	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001117** ACF 51A11 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.03 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:32:52
Instrument : CP20--17342A
Result file : 20PCBS17137007.072.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	30.47	
4.73	4.76	4.77	1636060	389.215007			1
5.03	5.05	5.07	1649598	710.240574			2
5.20	5.23	5.24	1015246	373.314183			3
+ 5.37	5.38	5.41	134848	43.457189			4
5.37	5.39	5.41	972037.1	313.25641			4
5.61	5.63	5.65	3911523	520.01102			5
5.82	5.84	5.86	2156499	510.344089			6
Height Summation:			**11340963.1**				
Amount Avg CF:			**469.396881**	Linear:			
Aroclor-1262					6	34.84	
E 5.21	5.23	5.24	1015246	202.758533			1
+ 5.37	5.38	5.41	134848	33.336324			2
E 5.37	5.39	5.41	972037.1	240.301259			2
E 5.61	5.63	5.65	3911523	400.079581			3
E 5.81	5.84	5.85	2156499	399.118625			4
5.87	5.88	5.91	483726.3	180.721709			5
E 6.25	6.27	6.29	806136.1	247.557549			6
Height Summation:			**9345167.5**				
Amount Avg CF:			**278.422876**	Linear:			
Aroclor-1268					6	115.05	
5.81	5.84	5.85	2156499	179.486029			1
5.87	5.88	5.91	483726.3	46.14328			2
6.00	6.02	6.04	43997.64	4.500978			3
6.07	6.09	6.11	61314.07	27.359512			4
6.25	6.27	6.29	806136.1	199.656805			5
6.45	6.47	6.49	171848.3	5.438712			6
Height Summation:			**3723521.41**				
Amount Avg CF:			**77.097553**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:32:52
Instrument : CP20--17342B
Result file : 20PCBS17137007B.072.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	178.96	
3.40	3.40	3.44	39194.22	7.016976			1
+ 3.40	3.42	3.44	10894.09	1.950379			1
+ 3.40	3.43	3.44	24769.75	4.434551			1
3.51	3.53	3.55	742559.1	47.135331			2
3.63	3.65	3.67	448651.8	22.794765			3
+ 3.72	3.72	3.76	44668.25	3.14303			4
3.72	3.74	3.76	313639.3	22.068865			4
3.86	3.87	3.90	3876884	144.022934			5
4.22	4.23	4.26	9565566	803.712775			6
Height Summation:			**14986494.42**				
Amount Avg CF:			**174.458608**	Linear:			
Aroclor-1254					6	79.87	
4.16	4.17	4.19	3556566	169.615286			1
4.22	4.23	4.26	9565566	257.101786			2
4.31	4.33	4.35	11945690	690.20492			3
4.38	4.40	4.42	6448148	257.815354			4
E 4.44	4.46	4.48	16575680	1150.858191			5
4.60	4.62	4.64	5562559	317.016596			6
Height Summation:			**53654209**				
Amount Avg CF:			**473.768689**	Linear:			
Aroclor-1260					6	11.98	
4.31	4.33	4.35	11945690	421.834422			1
4.44	4.46	4.48	16575680	496.35359			2
4.55	4.57	4.59	11042310	410.976873			3
4.90	4.91	4.94	7849897	380.082128			4
5.09	5.11	5.13	24239420	517.162319			5
5.35	5.37	5.39	13387350	426.973801			6
Height Summation:			**85040347**				
Amount Avg CF:			**442.230522**	Linear:			
Aroclor-1262					6	39.97	
4.71	4.73	4.75	5232068	160.938636			1
E 4.90	4.91	4.94	7849897	242.73817			2
E 5.09	5.11	5.13	24239420	394.06212			3
5.31	5.32	5.35	3312976	129.97834			4
E 5.35	5.37	5.39	13387350	326.308782			5
E 5.73	5.75	5.77	5213048	234.787577			6
Height Summation:			**59234759**				
Amount Avg CF:			**248.135604**	Linear:			
Aroclor-1268					6	121.93	
5.31	5.32	5.35	3312976	39.909713			1
5.35	5.37	5.39	13387350	159.28606			2
5.51	5.52	5.55	306152.5	4.240044			3
5.57	5.59	5.61	207596.1	11.891538			4
5.73	5.75	5.77	5213048	184.269422			5
5.93	5.95	5.97	1090830	5.073401			6
Height Summation:			**23517952.6**				
Amount Avg CF:			**67.44503**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.8475	9.8704		** 48.06	4	40	
Aroclor-1221			50.8475	15.2542		** 90.74	3	5	
Aroclor-1232			50.8475	12.2632		37.43	4	10	
Aroclor-1242			50.8475	12.2632		** 49.12	4	30	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001117** ACF 51A11 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.03 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:32:52
Instrument : CP20--17342A
Result file : 20PCBS17137007.072.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 25, 2017 09:32:52
Instrument : CP20--17342B
Result file : 20PCBS17137007B.072.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1248			50.8475	9.8704		7.85	4	40	
Aroclor-1254			50.8475	13.1605		6.32	4	40	
Aroclor-1260			50.8475	11.665		5.96	4	40	
Aroclor-1262			50.8475	9.8704	E	11.50	4	40	
Aroclor-1268			50.8475	9.8704		13.36	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001117ACF AB51A11 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:32:52 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.072.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.004		3447	1506
2.037		11771	11421
2.069		1406	555
2.101		16128	19501
2.13		103279	66265
2.152		3341	3142
2.197		75077	50281
2.217		11021	6642
2.282		2342	1577
2.31		45350	29163
2.328		4993	2142
2.388		14938	15290
2.424		1236	696
2.445		1642	1693
2.475		4467	3153
2.564		3090	2932
2.585		2132	1135
2.626		6265	3636
2.647		37614	23380
2.703		1041	752
2.733		2784	3668
2.781		6647	3818
2.827		4127	3064
2.872		1471	1354
2.924	TCX	3995390	2593672
3.037		12435	7544
3.068		1434	1891
3.107		2238	1258
3.123		5863	3296
3.151		775	688
3.178		4104	5279
3.229		87433	49351
3.243		21428	9418
3.312		731	535
3.396		3008	1851
3.484		2754	3124
3.513		3438	2916
3.587		15478	10573
3.625		1126	940
3.657		7440	4998
3.694		14162	15049
3.732		10649	9340
3.79		7190	6891
3.855		110809	79705
3.882		35012	24222
3.904		28163	16807
3.979		61726	44974
4.003		11593	7287
4.034		17059	12258
4.069		51392	47172
4.11		13678	10745
4.138		4870	3007
4.154		1409	817
4.19		15432	11790

RT A	Compound A	Height A	Area A
4.228		446886	332927
4.248		92149	51239
4.272		197147	149997
4.339		160483	137190
4.381		906076	863121
4.416		381426	319592
4.456		29229	21352
4.479		49229	35780
4.522		306874	277222
4.573		450616	449865
4.605		173022	105869
4.635		1515729	1311229
4.681		541848	614465
4.718		267397	198890
4.757		1636061	1507637
4.808		114625	101784
4.849		1048011	1045616
4.877		18685	10201
4.904		359389	340894
4.957		2564747	3055442
5.005		274807	239379
5.049		1649599	1646237
5.092		101907	75520
5.129		243425	306340
5.165		3604050	3885824
5.227		1015246	922333
5.271		766788	748839
5.375		134848	109876
5.392		972037	806854
5.451		632716	616595
5.491		388640	342990
5.53		63542	62163
5.577		591377	538617
5.602		43017	24209
5.632		3911523	3599194
5.668		32248	22208
5.721		7435	7632
5.753		2242	1569
5.776		2097	1091
5.798		1481	827
5.839		2156499	2128736
5.877		483726	972586
6.022		43998	60370
6.087		61314	49977
6.111		321722	275141
6.178		5575	7484
6.268		806136	794697
6.314		54143	51760
6.468		171848	176107
6.614	DCB	2103900	2173358
6.692		5011	4243
7.349		305	725
7.786		1539	2200
7.942		1501	3806
8.031		10812	19041
8.172		817	641

LANCASTER LABORATORIES

Sample Number: 9001117ACF AB51A11 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:32:52 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.072.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		5391	2722
2.032		9434	4974
2.052		35800	23364
2.095		26045	12807
2.113		93391	53214
2.139		3875	1478
2.155		30812	17952
2.183		19257	15041
2.21		7682	3469
2.234		16258	15559
2.28		11302	10310
2.31		17796	16804
2.35		14055	9392
2.363		197410	105881
2.395		60599	36149
2.433		21455	15563
2.46		3953	2699
2.481		3436	1979
2.511		2534	1139
2.532		8160	3716
2.554		3955	2657
2.568		8592	4414
2.589		21776	13705
2.614	TCX	23925890	13731800
2.677		7559	4294
2.694		3899	3428
2.734		14418	8580
2.783		72004	39791
2.808		21231	30541
2.843		29884	36259
2.876		18845	11735
2.91		92009	40788
2.92		503651	229924
2.947		25923	16383
2.991		6890	6253
3.032		5141	2376
3.064		2359	1556
3.081		3906	3569
3.105		21500	25663
3.146		3552	1671
3.181		13689	10261
3.201		10307	4858
3.224		23177	12709
3.243		96641	50400
3.263		26058	19089
3.319		80275	65677
3.383		97682	92031
3.403		39194	18921
3.418		10894	4114
3.432		24770	13953
3.491		51229	41506
3.525		742559	456952
3.549		329738	180210
3.566		236526	124803

RT B	Compound B	Height B	Area B
3.59		19218	19672
3.652		448652	280970
3.675		98379	54217
3.696		135875	98843
3.725		44668	21309
3.741		313639	189250
3.781		89584	71155
3.822		97013	79728
3.852		313860	174499
3.874		3876884	2505548
3.899		923115	542126
3.919		463726	246339
3.937		975158	604606
3.972		5780442	3918248
4.004		2699903	1692305
4.022		566739	284849
4.042		112646	62755
4.083		364605	277234
4.117		1893727	1365400
4.144		142224	108187
4.174		3556566	2579338
4.207		1631738	1367640
4.235		9565566	8672651
4.274		1823487	1768765
4.326		11945690	9245206
4.364		845175	683396
4.396		6448149	4460783
4.42		2959938	1981990
4.463		16575680	12755600
4.517		85965	65558
4.565		11042310	10435500
4.615		5562559	4667690
4.657		3434637	2941781
4.694		21189520	17002660
4.726		5232068	3388773
4.764		4722460	3664506
4.838		458704	406982
4.864		915050	602365
4.881		464973	259657
4.915		7849897	5864065
4.939		3183796	2199783
4.989		4440547	3858047
5.025		2467667	1953972
5.054		1715875	1363869
5.087		1404406	847285
5.11		24239420	18886210
5.15		453860	320113
5.182		584881	493977
5.225		9648	6595
5.247		34210	22648
5.28		12748	8386
5.3		164368	103749
5.324		3312977	2775311
5.369		13387350	14531170
5.47		11890	13455
5.525		306153	261823
5.569		481003	369079
5.595		207596	139032
5.615		14743	5663
5.643		2237338	1855412
5.685		10439	9095
5.721		5549	3241
5.749		5213048	4300690
5.78		292886	224466
5.89		3829	3889
5.949		1090830	907820

RT B	Compound B	Height B	Area B
6.065		3206	1943
6.108	DCB	12832970	11264480
6.282		24459	19785
6.309		32024	25802
6.441		2632	6541
6.529		5252	6963
6.587		6644	7731
6.788		2389	2491
6.889		2037	1860
6.958		2072	2295
7.013		9096	8980
7.128		3078	3675
7.467		6040	11888
7.556		52521	66515
7.851		2872	4652
7.974		2000	2012
8.112		10199	19232
8.218		19111	33251
8.435		12847	26695
8.678		2295	1348

9001117ACF AB51A11 T 171430031A 10225 SW-846 8082

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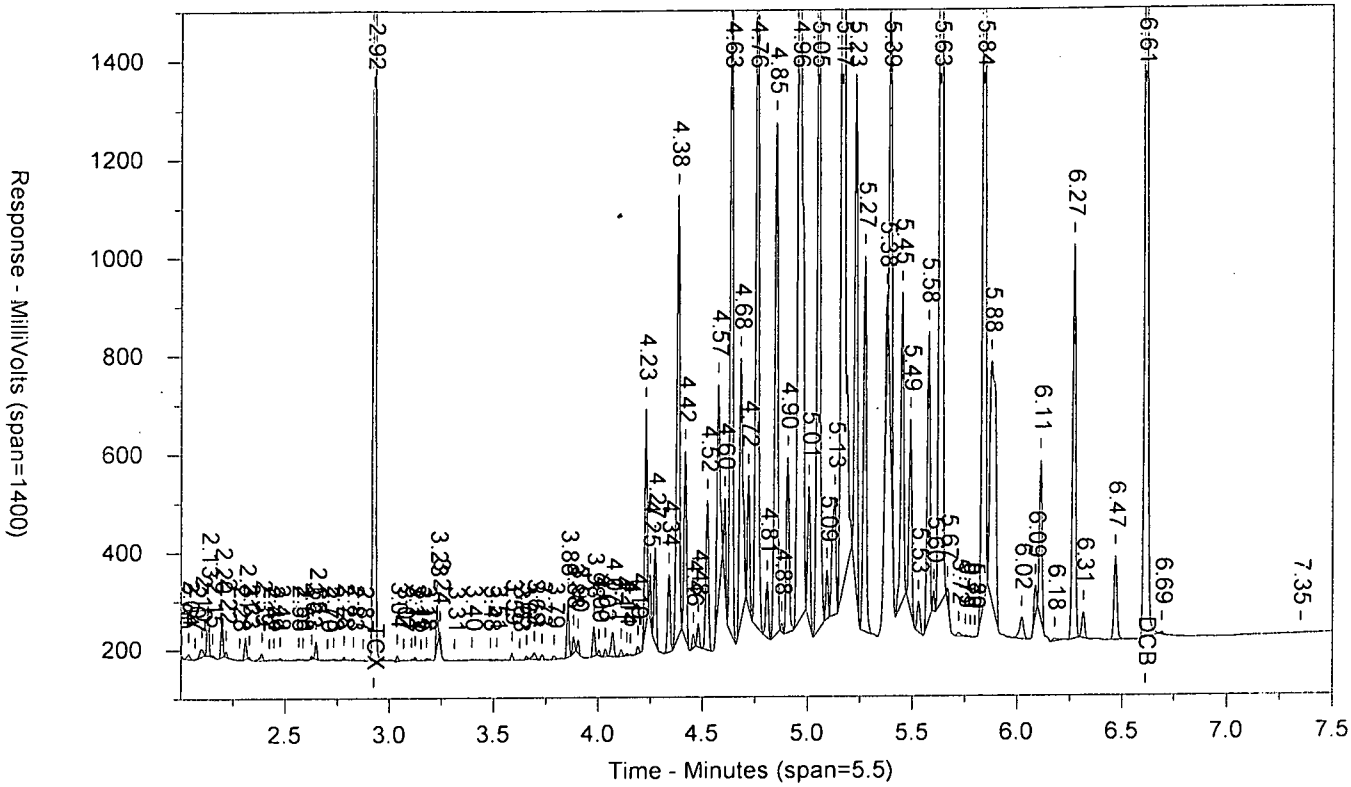

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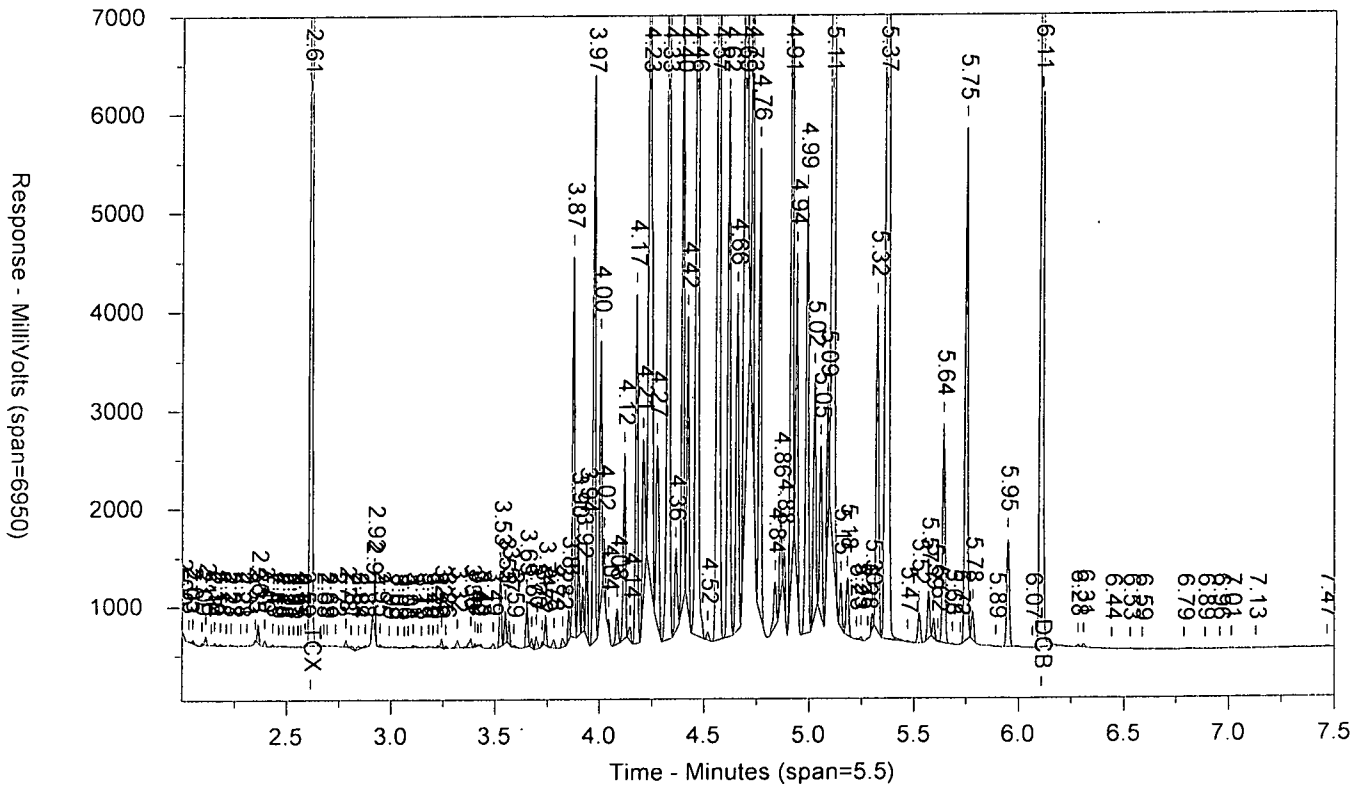

LANCASTER LABORATORIES

Sample Number: 9001117ACF AB51A11 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:32:52 AM Sample Weight: 10.03
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3995390	35.053	TCX	2.614	23925890	34.506	TCX
6.614	2103900	30.481	DCB	6.108	12832970	26.263	DCB

Files:
Area File: 20pcbs17137007.072.RAW
Area File: 20pcbs17137007B.072.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 9:41:36 AM
File Reported On: 5/25/2017 at 9:41:43 AM

9001117ACF AB51A11 T 171430031A 10225 SW-846 8082

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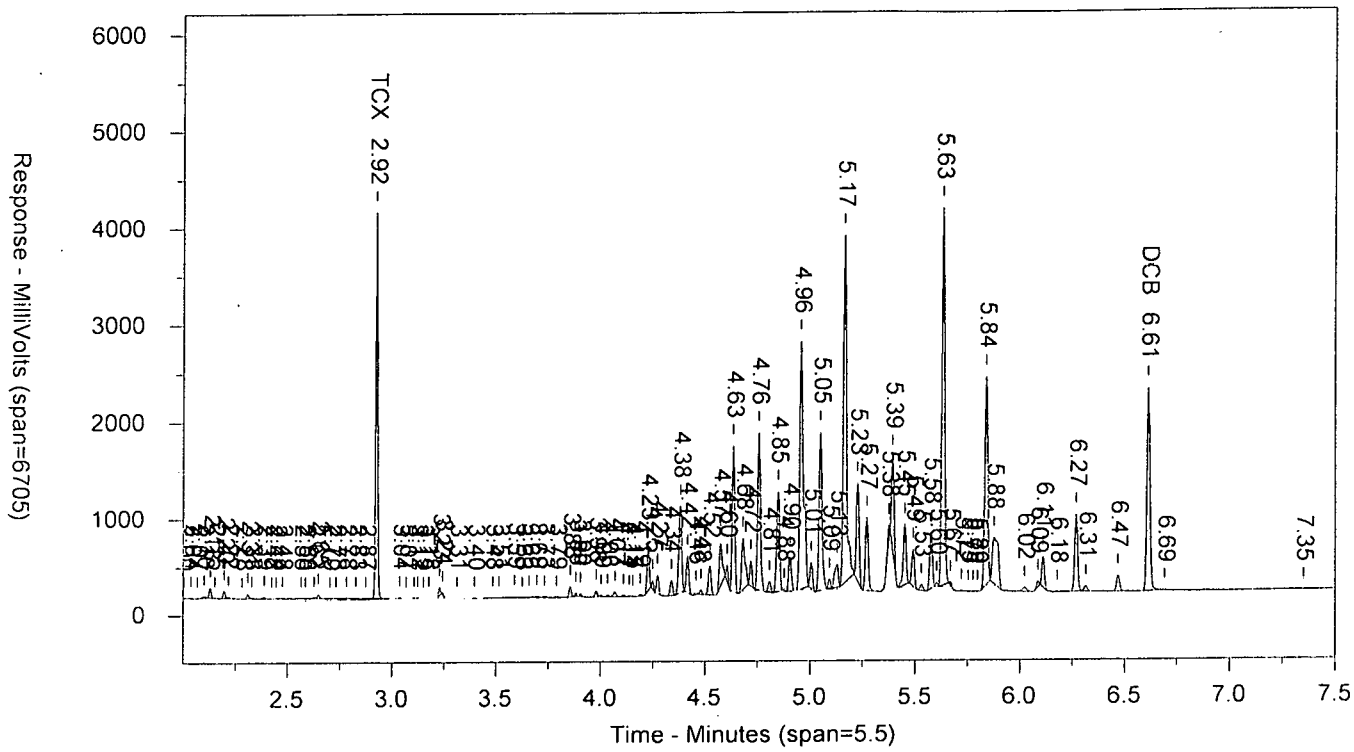

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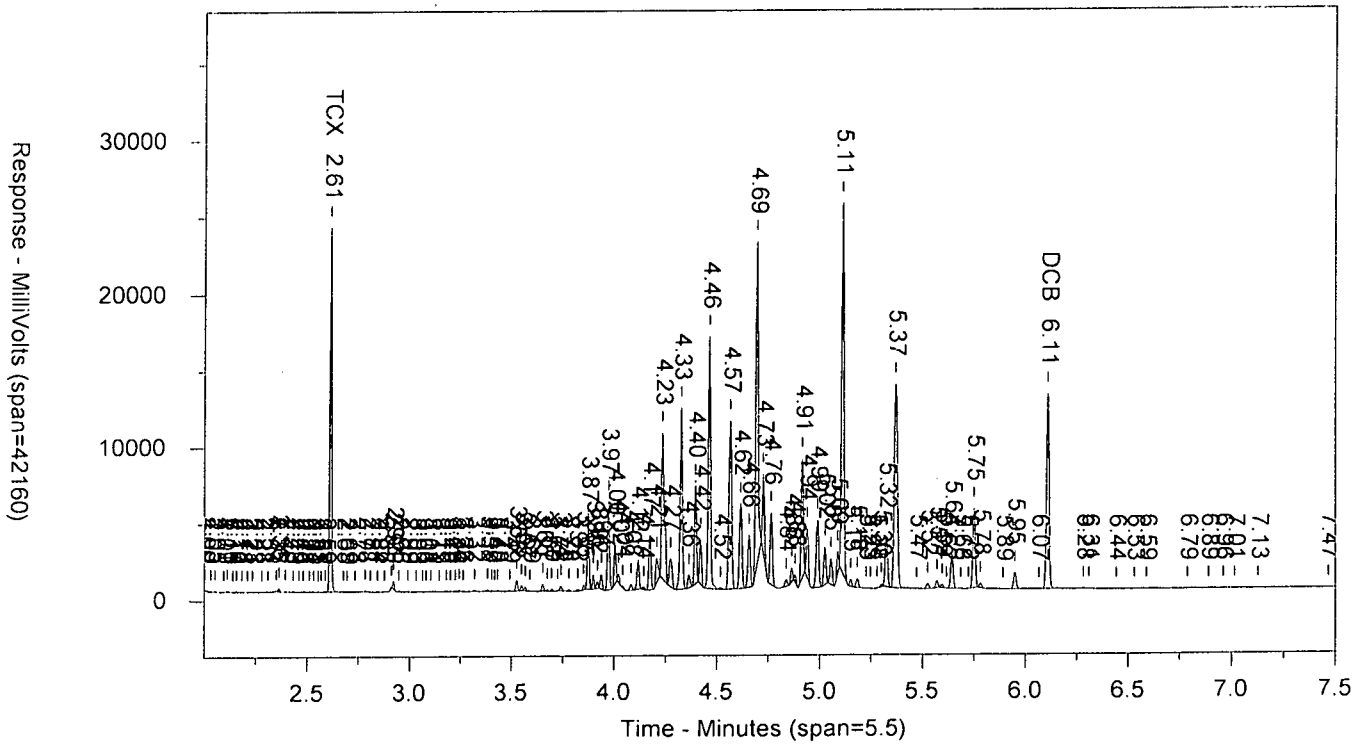

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Data Summary

Sample Name: 9001118 ACF DF5 51A12 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.22 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 09:44:25
Instrument	17342A
Result file	20PCBS17137007.073.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 102% (61 - 152) Conc: 29.29098
%SSR(DCB) 108% (48 - 164) Conc: 31.03972

Analysis Report (B)

Injected on	May 25, 2017 09:44:25
Instrument	17342B
Result file	20PCBS17137007B.073.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 96% (61 - 152) Conc: 27.50589
%SSR(DCB) 92% (48 - 164) Conc: 26.20137

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	680374	29.29098
Decachlorobiphenyl	6.58	6.61	6.64	436607	31.03972

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	3886679	27.50589
Decachlorobiphenyl	6.08	6.11	6.14	2609114	26.20137

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	29.29098				6.29	
☑ Decachlorobiphenyl	A	31.03972				16.91	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.92**	
4.73	4.76	4.77	985663.5	1150.638938			1
5.20	5.23	5.24	629334.8	1135.54668			3
5.37	5.39	5.41	578611.4	915.006444			4
5.61	5.63	5.65	2071200	1351.166093			5
5.82	5.84	5.86	1140294	1324.191234			6

Height summation: **5405103.7**
Concentration CF: **1175.309878** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.38**	
4.31	4.33	4.35	7582381	1313.882171			1
4.44	4.46	4.48	9603226	1411.097441			2
4.55	4.57	4.59	6978960	1274.583228			3
4.90	4.92	4.94	4592016	1091.030585			4
5.09	5.11	5.13	12647370	1324.112594			5
5.35	5.37	5.39	7955645	1245.093732			6

Height summation: **49359598**
Concentration CF: **1276.633292** 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	B	1276.633292	249.5108	57.2407		8.26	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001118** ACF DF5 51A12 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.22 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:44:25
Instrument : CP20--17342A
Result file : 20PCBS17137007.073.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 29.29098
%SSR(DCB) : 108% (48-164) Conc.: 31.03972

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	152.47	
3.16	3.18	3.20	6910.724	16.477529			1
3.37	3.40	3.41	2707.346	6.321749			2
+ 3.49	3.49	3.53	1207.973	2.505388			3
3.49	3.51	3.53	2072.545	4.298547			3
3.71	3.73	3.75	7409.407	13.870384			4
3.76	3.79	3.80	4519.705	10.344329			5
3.96	3.98	4.00	38589.75	110.150427			6
Height Summation:			62209.477				
Amount Avg CF:			26.910494	Linear:			
Aroclor-1221					2	51.71	
3.06	3.07	3.10	1149.333	5.720677			1
3.16	3.18	3.20	6910.724	12.316185			3
Height Summation:			8060.057				
Amount Avg CF:			9.018431	Linear:			
Aroclor-1232					6	170.11	
3.16	3.18	3.20	6910.724	13.730273			1
3.38	3.40	3.42	2707.346	13.367681			2
+ 3.49	3.49	3.53	1207.973	5.435826			3
3.49	3.51	3.53	2072.545	9.326362			3
3.71	3.73	3.75	7409.407	30.735665			4
3.77	3.79	3.81	4519.705	23.914467			5
3.96	3.98	4.00	38589.75	264.139545			6
Height Summation:			62209.477				
Amount Avg CF:			59.202332	Linear:			
Aroclor-1242					6	154.26	
3.16	3.18	3.20	6910.724	19.234159			1
3.38	3.40	3.42	2707.346	7.630745			2
+ 3.49	3.49	3.53	1207.973	3.109342			3
3.49	3.51	3.53	2072.545	5.334764			3
3.71	3.73	3.75	7409.407	16.953617			4
3.77	3.79	3.81	4519.705	13.208563			5
3.96	3.98	4.00	38589.75	137.953771			6
Height Summation:			62209.477				
Amount Avg CF:			33.385937	Linear:			
Aroclor-1248					6	165.78	
3.76	3.79	3.80	4519.705	19.052677			1
3.83	3.86	3.87	75186.84	174.281701			2
3.96	3.98	4.00	38589.75	75.954202			3
4.05	4.07	4.09	34551.82	81.808126			4
4.23	4.23	4.27	360739.7	721.012754			5
+ 4.23	4.25	4.27	53300.42	106.531892			5
4.61	4.64	4.65	975420.4	2659.527813			6
Height Summation:			1489008.215				
Amount Avg CF:			621.939546	Linear:			
Aroclor-1254					6	71.52	
4.21	4.23	4.25	360739.7	611.527727			1
4.55	4.57	4.59	349605.7	589.721162			2
4.61	4.64	4.65	975420.4	814.657448			3
4.73	4.76	4.77	985663.5	2742.606795			4
4.83	4.85	4.87	749591.6	947.351597			5
5.14	5.17	5.18	1995361	2454.938773			6
Height Summation:			5416381.9				
Amount Avg CF:			1360.133917	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:44:25
Instrument : CP20--17342B
Result file : 20PCBS17137007B.073.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 96% (61-152) Conc.: 27.50589
%SSR(DCB) : 92% (48-164) Conc.: 26.20137

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	106.93	
3.21	3.22	3.25	21576.56	7.512085			2
+ 3.21	3.24	3.25	13616.39	4.740676			2
3.40	3.40	3.44	28699.73	9.94405			3
+ 3.40	3.42	3.44	8755.738	3.033739			3
+ 3.40	3.43	3.44	12511.91	4.3352			3
3.47	3.49	3.51	36244.05	10.619061			4
3.63	3.65	3.67	280176.7	97.702711			5
+ 3.72	3.73	3.76	35881.06	14.601952			6
3.72	3.74	3.76	197651.2	80.435007			6
Height Summation:			564348.24				
Amount Avg CF:			41.242583	Linear:			
Aroclor-1221					2	78.49	
2.77	2.78	2.81	35620.25	29.202517			1
2.83	2.83	2.87	6284.167	8.357525			2
Height Summation:			41904.417				
Amount Avg CF:			18.780021	Linear:			
Aroclor-1232					5	104.77	
3.21	3.22	3.25	21576.56	15.810312			2
+ 3.21	3.24	3.25	13616.39	9.977465			2
3.40	3.40	3.44	28699.73	23.505993			3
+ 3.40	3.42	3.44	8755.738	7.171228			3
+ 3.40	3.43	3.44	12511.91	10.247653			3
3.47	3.49	3.51	36244.05	24.16215			4
+ 3.66	3.67	3.70	51918.45	126.737359			5
3.66	3.70	3.70	81742.78	199.541088			5
+ 3.73	3.73	3.77	35881.06	33.408373			6
3.73	3.74	3.77	197651.2	184.030377			6
Height Summation:			365914.32				
Amount Avg CF:			89.409984	Linear:			
Aroclor-1242					5	108.17	
3.21	3.22	3.25	21576.56	9.091028			2
+ 3.21	3.24	3.25	13616.39	5.737105			2
3.40	3.40	3.44	28699.73	12.296647			3
+ 3.40	3.42	3.44	8755.738	3.751472			3
+ 3.40	3.43	3.44	12511.91	5.360836			3
3.47	3.49	3.51	36244.05	13.5873			4
3.64	3.65	3.68	280176.7	127.569106			5
+ 3.64	3.67	3.68	51918.45	23.639333			5
+ 3.73	3.73	3.77	35881.06	18.239113			6
3.73	3.74	3.77	197651.2	100.470348			6
Height Summation:			564348.24				
Amount Avg CF:			52.602886	Linear:			
Aroclor-1248					6	177.84	
3.40	3.40	3.44	28699.73	25.213077			1
+ 3.40	3.42	3.44	8755.738	7.692027			1
+ 3.40	3.43	3.44	12511.91	10.991872			1
3.51	3.53	3.55	501030.8	156.063018			2
3.63	3.65	3.67	280176.7	69.851826			3
+ 3.72	3.73	3.76	35881.06	12.38896			4
3.72	3.74	3.76	197651.2	68.244715			4
3.86	3.87	3.90	2737084	498.949986			5
4.22	4.24	4.26	6389382	2634.32343			6
Height Summation:			10134024.43				
Amount Avg CF:			575.441009	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001118** ACF DF5 51A12 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.22 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:44:25
Instrument : CP20--17342A
Result file : 20PCBS17137007.073.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	37.59	
4.73	4.76	4.77	985663.5	1150.638938			1
5.03	5.05	5.07	1128048	2383.279506			2
5.20	5.23	5.24	629334.8	1135.54668			3
+ 5.37	5.38	5.41	127163.6	201.094402			4
5.37	5.39	5.41	578611.4	915.006444			4
5.61	5.63	5.65	2071200	1351.166093			5
5.82	5.84	5.86	1140294	1324.191234			6
Height Summation:			**6533151.7**				
Amount Avg CF:			**1376.638149**	Linear:			
Aroclor-1262					6	27.99	
5.21	5.23	5.24	629334.8	616.750688			1
+ 5.37	5.38	5.41	127163.6	154.260971			2
5.37	5.39	5.41	578611.4	701.908064			2
E 5.61	5.63	5.65	2071200	1039.543284			3
E 5.81	5.84	5.85	1140294	1035.594212			4
5.87	5.88	5.91	288512	528.925552			5
6.25	6.27	6.29	469773.8	707.907703			6
Height Summation:			**5177726**				
Amount Avg CF:			**771.771584**	Linear:			
Aroclor-1268					6	115.79	
5.81	5.84	5.85	1140294	465.712901			1
5.87	5.88	5.91	288512	135.049408			2
6.00	6.03	6.04	21767.22	10.92699			3
6.07	6.09	6.11	30543.97	66.879609			4
6.25	6.27	6.29	469773.8	570.932257			5
6.45	6.47	6.49	109139.7	16.949371			6
Height Summation:			**2060030.69**				
Amount Avg CF:			**211.075089**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:44:25
Instrument : CP20--17342B
Result file : 20PCBS17137007B.073.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	66.49	
4.16	4.18	4.19	2811185	657.875308			1
4.22	4.24	4.26	6389382	842.700627			2
4.31	4.33	4.35	7582381	2149.772263			3
4.38	4.40	4.42	4769032	935.672916			4
4.44	4.46	4.48	9603226	3271.806798			5
4.60	4.62	4.64	4443064	1242.538857			6
Height Summation:			**35598270**				
Amount Avg CF:			**1516.727795**	Linear:			
Aroclor-1260					6	8.38	
4.31	4.33	4.35	7582381	1313.882171			1
4.44	4.46	4.48	9603226	1411.097441			2
4.55	4.57	4.59	6978960	1274.583228			3
4.90	4.92	4.94	4592016	1091.030585			4
5.09	5.11	5.13	12647370	1324.112594			5
5.35	5.37	5.39	7955645	1245.093732			6
Height Summation:			**49359598**				
Amount Avg CF:			**1276.633292**	Linear:			
Aroclor-1262					6	33.25	
4.71	4.73	4.75	3367472	508.289306			1
4.90	4.92	4.94	4592016	696.783005			2
E 5.09	5.11	5.13	12647370	1008.933939			3
5.31	5.33	5.35	2157214	415.303861			4
5.35	5.37	5.39	7955645	951.545547			5
5.73	5.75	5.77	3021671	667.806447			6
Height Summation:			**33741388**				
Amount Avg CF:			**708.110351**	Linear:			
Aroclor-1268					6	121.50	
5.31	5.33	5.35	2157214	127.518613			1
5.35	5.37	5.39	7955645	464.492377			2
5.51	5.53	5.55	149896.2	10.186929			3
5.57	5.59	5.61	95519.33	26.849125			4
5.73	5.75	5.77	3021671	524.117628			5
5.93	5.95	5.97	684892.4	15.630919			6
Height Summation:			**14064837.93**				
Amount Avg CF:			**194.799265**	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		** 42.06	4	40	
Aroclor-1221			249.5108	74.8532		** 70.23	3	5	
Aroclor-1232			249.5108	60.1761		** 40.65	4	10	
Aroclor-1242			249.5108	60.1761		** 44.70	4	30	
Aroclor-1248			249.5108	48.4344		7.77	4	40	
Aroclor-1254			249.5108	64.5793		10.89	4	40	
Aroclor-1260			249.5108	57.2407		7.54	4	40	
Aroclor-1262			249.5108	48.4344	E	8.60	4	40	
Aroclor-1268			249.5108	48.4344		8.02	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001118ACF DF5 AC51A12 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:44:25 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.073.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		6846	7207
2.1		9916	10786
2.129		17643	10739
2.197		94158	72199
2.309		21342	14298
2.382		4366	5643
2.42		1208	1364
2.553		3149	5142
2.647		53260	41562
2.734		1325	1758
2.774		18692	16640
2.827		1766	1030
2.924	TCX	680374	455000
3.013		1118	818
3.037		5404	3340
3.073		1149	1188
3.178		6911	7513
3.229		416181	323950
3.358		623	534
3.396		2707	2621
3.464		1225	897
3.494		1208	896
3.514		2073	1257
3.589		3567	2461
3.627		659	642
3.667		4262	3107
3.696		6458	5936
3.734		7409	6724
3.785		4520	3859
3.829		945	704
3.856		75187	55646
3.883		18973	14201
3.904		9727	5142
3.979		38590	28270
4.003		5929	3731
4.034		10058	6977
4.069		34552	31197
4.11		7799	6792
4.14		1640	950
4.156		1219	643
4.192		11068	8988
4.228		360740	268015
4.249		53300	29401
4.273		143542	114237
4.339		111238	95264
4.382		659841	653013
4.417		292093	239332
4.456		17404	12153
4.48		36463	27785
4.523		250752	222083
4.574		349606	319229
4.605		140767	89956
4.636		975420	877380
4.681		357436	405260

RT A	Compound A	Height A	Area A
4.72		208207	163609
4.758		985664	946930
4.809		87590	77643
4.85		749592	748345
4.878		13400	6950
4.905		206375	201707
4.958		1452359	1779536
5.007		188651	169610
5.051		1128048	1106731
5.093		80093	57229
5.129		138406	177428
5.166		1995361	1818480
5.188		67747	33028
5.229		629335	567765
5.272		428354	438963
5.376		127164	99475
5.394		578611	449448
5.453		374486	334237
5.491		214405	195712
5.532		40380	38921
5.577		374033	336110
5.603		29867	17555
5.632		2071200	1934383
5.668		15461	8899
5.72		3798	4021
5.758		2111	2732
5.839		1140294	1164373
5.878		288512	592045
6.025		21767	28191
6.088		30544	23600
6.111		182499	165571
6.237		4248	3030
6.269		469774	454822
6.314		30882	31177
6.468		109140	112283
6.615	DCB	436607	453102
6.653		3336	2716
6.693		1759	1400
6.899		705	2021
6.926		2065	2156
7.084		3830	5615
7.133		2126	2634
7.466		816	533
7.783		8291	12972
8.527		594	578

LANCASTER LABORATORIES

Sample Number: 9001118ACF DF5 AC51A12 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:44:25 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.073.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		3826	2457
2.05		6436	2944
2.067		9435	7677
2.097		4954	3097
2.112		13720	10469
2.156		19084	19316
2.189		6459	4899
2.214		4157	2536
2.232		13369	18111
2.28		13041	10736
2.318		13625	12065
2.363		295361	211316
2.393		6158	3089
2.414		5774	4411
2.433		8108	8269
2.477		7518	12628
2.544		67616	63746
2.614	TCX	3886679	2268578
2.677		7500	4490
2.705		5367	5659
2.731		7694	6008
2.783		35620	26705
2.811		8745	7584
2.834		6284	3848
2.876		30104	17755
2.92		2208197	1465987
2.97		4175	1767
2.999		8432	9893
3.034		8973	7294
3.068		2542	2272
3.09		4171	3257
3.106		12508	8299
3.149		4085	2489
3.178		12849	21002
3.225		21577	16029
3.243		13616	7058
3.263		20801	13228
3.324		57924	43969
3.354		2561	1208
3.383		42847	31450
3.404		28700	14922
3.418		8756	3786
3.433		12512	5426
3.492		36244	25928
3.526		501031	300000
3.549		193465	105121
3.567		92006	46458
3.652		280177	174878
3.675		51918	27627
3.696		81743	55931
3.726		35881	17393
3.741		197651	115651
3.782		57133	47166
3.822		65013	57598

RT B	Compound B	Height B	Area B
3.853		290182	170685
3.874		2737084	1769053
3.9		661231	401856
3.919		298734	160235
3.938		679452	413487
3.973		4185825	2738740
4.005		1953269	1249606
4.023		514047	243713
4.083		265310	210084
4.118		1502927	1083868
4.138		20937	17875
4.175		2811185	2043842
4.208		1319370	1089752
4.236		6389383	5636722
4.274		1144918	1160687
4.327		7582381	5854328
4.365		614758	503319
4.396		4769032	3291102
4.421		1649536	1147517
4.464		9603226	7549961
4.517		18050	14187
4.566		6978960	6433351
4.616		4443065	3628591
4.658		2153191	1831023
4.694		12358730	9874524
4.726		3367472	2186761
4.766		2772569	2125282
4.838		105656	128226
4.865		631419	425118
4.882		282990	155757
4.916		4592016	3485668
4.94		2066039	1430845
4.99		2572065	2260738
5.026		1330462	1083804
5.056		971065	772604
5.088		966647	572846
5.11		12647370	10016150
5.152		234663	173871
5.183		371739	317284
5.226		8003	5847
5.247		16287	11326
5.282		6816	4517
5.301		122247	74540
5.326		2157214	1808026
5.37		7955645	8538532
5.47		4739	5287
5.526		149896	128311
5.571		262756	199593
5.594		95519	62630
5.615		14055	6784
5.643		1307233	1103579
5.68		6689	6869
5.723		24916	15963
5.749		3021671	2458186
5.78		174918	138651
5.864		4727	4208
5.948		684892	578970
6.108	DCB	2609114	2365274
6.143		27579	20118
6.237		6402	5640
6.283		8330	6072
6.31		6640	5228
6.345		3906	2582
6.375		10853	10265
6.474		4701	4863
6.529		16806	15880

RT B	Compound B	Height B	Area B
6.585		15964	14722
6.642		3246	2925
6.737		3136	3020
6.829		2634	6497
6.968		1826	4009
7.013		45752	49461
7.467		3337	10253
7.557		6447	10177
7.621		1869	3784
7.721		2318	2565
8.119		4372	7927
8.216		19207	36195
8.431		4093	9279

9001118ACF DF5 AC51A12 T 171430031A 10225 SW-846 8082

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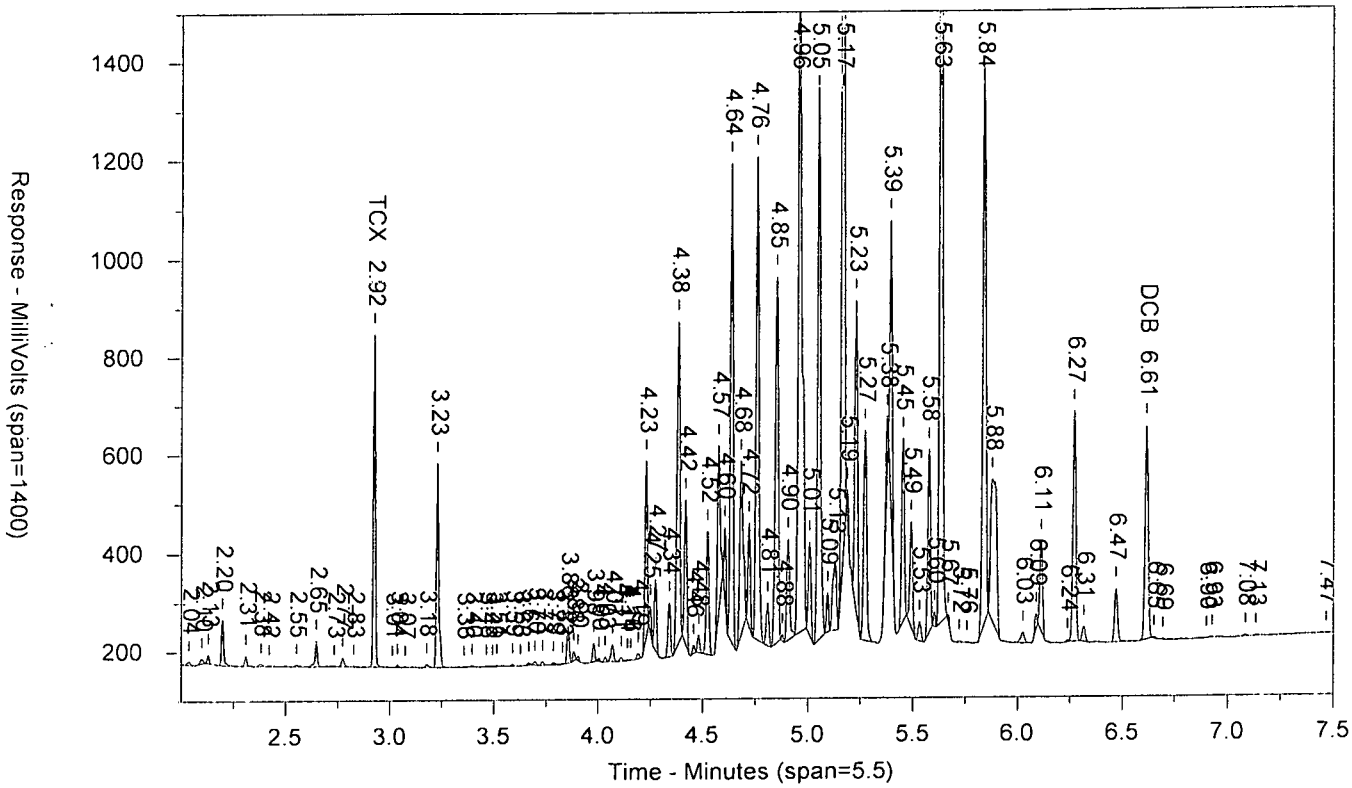

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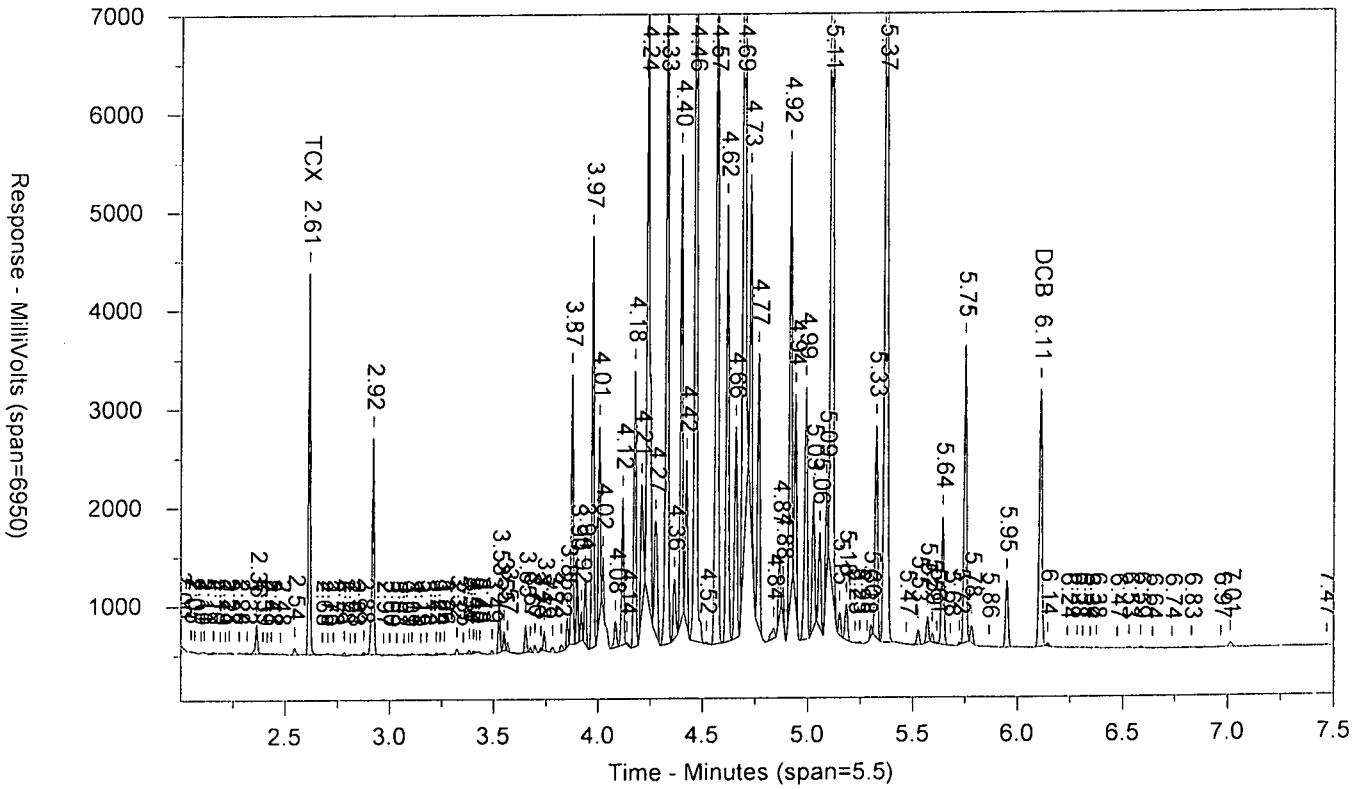

LANCASTER LABORATORIES

Sample Number: 9001118ACF DF5 AC51A12 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:44:25 AM Sample Weight: 10.22
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	680374	29.291	TCX	2.614	3886679	27.506	TCX
6.615	436607	31.04	DCB	6.108	2609114	26.201	DCB

Files:
Area File: 20pcbs17137007.073.RAW
Area File: 20pcbs17137007B.073.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 9:53:06 AM
File Reported On: 5/25/2017 at 9:53:15 AM

9001118ACF DF5 AC51A12 T 171430031A 10225 SW-846 8082

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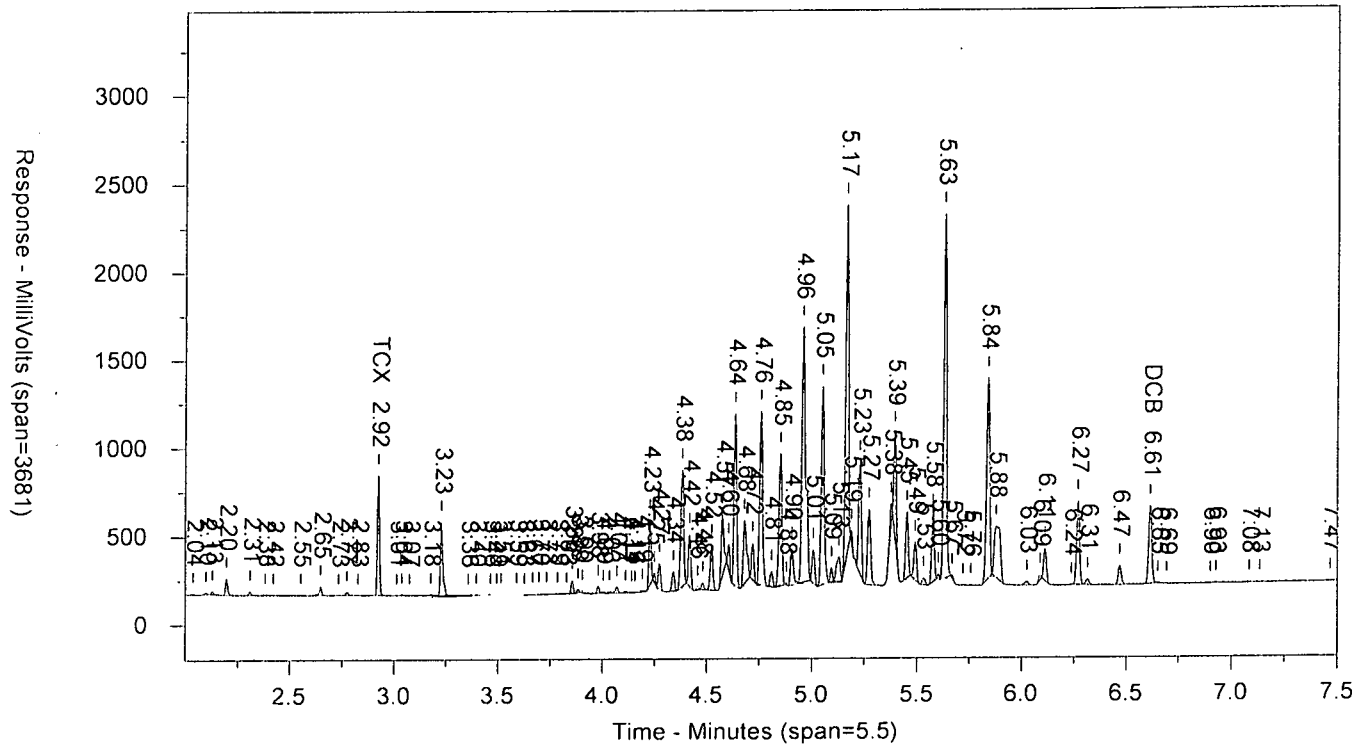

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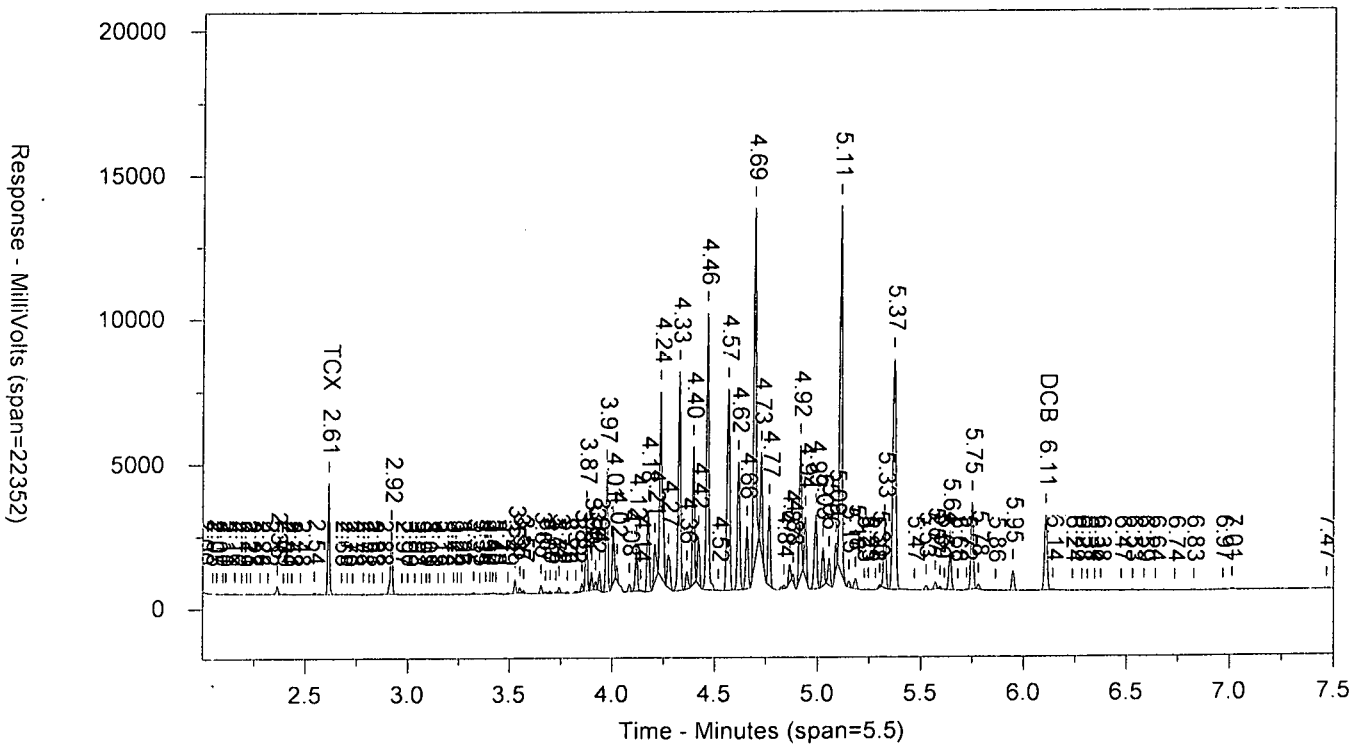

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Data Summary

Sample Name: 9001119 ACF DF5 51A13 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.15 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 10:18:21
Instrument	17342A
Result file	20PCBS17137007.076.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 96% (61 - 152) Conc: 27.73066
%SSR(DCB) 104% (48 - 164) Conc: 29.88127

Analysis Report (B)

Injected on	May 25, 2017 10:18:21
Instrument	17342B
Result file	20PCBS17137007B.076.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 89% (61 - 152) Conc: 25.62733
%SSR(DCB) 92% (48 - 164) Conc: 26.61756

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	639719	27.73066
Decachlorobiphenyl	6.58	6.61	6.64	417433	29.88127

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	3596428	25.62733
Decachlorobiphenyl	6.08	6.11	6.14	2632403	26.61756

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	27.73066				7.88	
☑ Decachlorobiphenyl	A	29.88127				11.55	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.86**	
4.73	4.76	4.77	746790.2	877.796522			1
5.20	5.23	5.24	469660.1	853.280389			3
5.37	5.39	5.41	386488.2	615.401087			4
5.61	5.63	5.65	1447444	950.765304			5
5.82	5.84	5.86	876064.6	1024.365291			6

Height summation: **3926447.1**
Concentration CF: **864.321719** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.71**	
4.31	4.33	4.35	5651864	986.114564			1
4.44	4.46	4.48	7509290	1111.024369			2
4.55	4.56	4.59	5072369	932.767022			3
4.90	4.91	4.94	3576132	855.523468			4
5.09	5.11	5.13	9654713	1017.768286			5
5.35	5.37	5.39	6364499	1002.941789			6

Height summation: **37828867**
Concentration CF: **984.356583** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<251.2315	<48.7685			4	
☑ PCB-1221			<251.2315	<75.3695			3	
☑ PCB-1232			<251.2315	<60.5911			4	
☑ PCB-1242			<251.2315	<60.5911			4	
☑ PCB-1248			<251.2315	<48.7685			4	
☑ PCB-1254			<251.2315	<65.0246			4	
☑ PCB-1260	B	984.356583	251.2315	57.6355		12.99	4	

Units: ug/kg

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

Kirby B. Turner
Associate Chemist

Reviewed by: _____ Verified by: _____

Valerie L. Tomayko
Principal Specialist

Date: MAY 25 2017 Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001119** ACF DF5 51A13 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.15 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:18:21
Instrument : CP20--17342A
Result file : 20PCBS17137007.076.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 96% (61-152) Conc.: 27.73066
%SSR(DCB) : 104% (48-164) Conc.: 29.88127

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**163.30**	
3.16	3.18	3.20	1736.391	4.168703			1
3.37	3.40	3.41	2961.977	6.964021			2
3.49	3.51	3.53	3328.893	6.951883			3
3.71	3.73	3.75	6584.522	12.41121			4
3.76	3.79	3.80	5732.717	13.211058			5
3.96	3.98	4.00	39175.81	112.594469			6
Height Summation:			**59520.31**				
Amount Avg CF:			**26.050224**	Linear:			
Aroclor-1221					**2**	**78.88**	
3.06	3.06	3.10	2190.016	10.975738			1
3.16	3.18	3.20	1736.391	3.115911			3
Height Summation:			**3926.407**				
Amount Avg CF:			**7.045824**	Linear:			
Aroclor-1232					**6**	**171.42**	
3.16	3.18	3.20	1736.391	3.473666			1
3.38	3.40	3.42	2961.977	14.725798			2
3.49	3.51	3.53	3328.893	15.083183			3
+ 3.49	3.53	3.53	1075.724	4.874095			3
3.71	3.73	3.75	6584.522	27.502253			4
3.77	3.79	3.81	5732.717	30.541894			5
3.96	3.98	4.00	39175.81	270.000333			6
Height Summation:			**59520.31**				
Amount Avg CF:			**60.221188**	Linear:			
Aroclor-1242					**6**	**164.21**	
3.16	3.18	3.20	1736.391	4.866111			1
3.38	3.40	3.42	2961.977	8.406006			2
3.49	3.51	3.53	3328.893	8.627718			3
+ 3.49	3.53	3.53	1075.724	2.788027			3
3.71	3.73	3.75	6584.522	15.170085			4
3.77	3.79	3.81	5732.717	16.869059			5
3.96	3.98	4.00	39175.81	141.014721			6
Height Summation:			**59520.31**				
Amount Avg CF:			**32.492283**	Linear:			
Aroclor-1248					**6**	**162.97**	
3.76	3.79	3.80	5732.717	24.332754			1
3.83	3.85	3.87	74257.29	173.314105			2
3.96	3.98	4.00	39175.81	77.639491			3
4.05	4.07	4.09	37116.31	88.486122			4
4.23	4.23	4.27	307849.6	619.544427			5
+ 4.23	4.25	4.27	69617.17	140.1039			5
4.61	4.63	4.65	855802.6	2349.476781			6
Height Summation:			**1319934.327**				
Amount Avg CF:			**555.465613**	Linear:			
Aroclor-1254					**6**	**63.39**	
4.21	4.23	4.25	307849.6	525.467258			1
4.55	4.57	4.59	294770.1	500.652616			2
4.61	4.63	4.65	855802.6	719.683678			3
4.73	4.76	4.77	746790.2	2092.272933			4
4.83	4.85	4.87	718745.4	914.632042			5
5.14	5.16	5.18	1511691	1872.695068			6
Height Summation:			**4435648.9**				
Amount Avg CF:			**1104.233933**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:18:21
Instrument : CP20--17342B
Result file : 20PCBS17137007B.076.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 89% (61-152) Conc.: 25.62733
%SSR(DCB) : 92% (48-164) Conc.: 26.61756

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**103.79**	
3.21	3.22	3.25	27587.2	9.670986			2
+ 3.21	3.24	3.25	12500.86	4.382309			2
3.40	3.40	3.44	29161.74	10.173813			3
+ 3.40	3.42	3.44	7649.479	2.668715			3
+ 3.40	3.43	3.44	8895.822	3.103533			3
3.47	3.49	3.51	44373.31	13.090496			4
3.63	3.65	3.67	285292.3	100.172728			5
+ 3.72	3.72	3.76	29098.8	11.92355			6
3.72	3.74	3.76	224711.4	92.077943			6
Height Summation:			**611125.95**				
Amount Avg CF:			**45.037193**	Linear:			
Aroclor-1221					**1**		
2.77	2.78	2.81	24792.04	20.465409			1
Height Summation:			**24792.04**				
Amount Avg CF:			**20.465409**	Linear:			
Aroclor-1232					**5**	**103.86**	
3.21	3.22	3.25	27587.2	20.354044			2
+ 3.21	3.24	3.25	12500.86	9.223229			2
3.40	3.40	3.44	29161.74	24.049114			3
+ 3.40	3.42	3.44	7649.479	6.308375			3
+ 3.40	3.43	3.44	8895.822	7.33621			3
3.47	3.49	3.51	44373.31	29.785544			4
+ 3.66	3.67	3.70	77037	189.350802			5
3.66	3.70	3.70	91365.09	224.568104			5
3.73	3.74	3.77	224711.4	210.668702			6
Height Summation:			**417198.74**				
Amount Avg CF:			**101.885102**	Linear:			
Aroclor-1242					**5**	**104.79**	
3.21	3.22	3.25	27587.2	11.703702			2
+ 3.21	3.24	3.25	12500.86	5.303414			2
3.40	3.40	3.44	29161.74	12.580769			3
+ 3.40	3.42	3.44	7649.479	3.300089			3
+ 3.40	3.43	3.44	8895.822	3.837778			3
3.47	3.49	3.51	44373.31	16.749549			4
3.64	3.65	3.68	285292.3	130.794174			5
+ 3.64	3.67	3.68	77037	35.318131			5
3.73	3.74	3.77	224711.4	115.013391			6
Height Summation:			**611125.95**				
Amount Avg CF:			**57.368317**	Linear:			
Aroclor-1248					**6**	**171.66**	
3.40	3.40	3.44	29161.74	25.795641			1
+ 3.40	3.42	3.44	7649.479	6.76651			1
+ 3.40	3.43	3.44	8895.822	7.86899			1
3.51	3.53	3.55	499784.6	156.748467			2
3.63	3.65	3.67	285292.3	71.617747			3
+ 3.72	3.72	3.76	29098.8	10.116482			4
3.72	3.74	3.76	224711.4	78.123111			4
3.86	3.87	3.90	2418374	443.891887			5
4.22	4.23	4.26	5368056	2228.497401			6
Height Summation:			**8825380.04**				
Amount Avg CF:			**500.779042**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001119** ACF DF5 51A13 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.15 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:18:21
Instrument : CP20--17342A
Result file : 20PCBS17137007.076.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	45.37	
4.73	4.75	4.77	746790.2	877.796522			1
5.03	5.05	5.07	931584.4	1981.77552			2
5.20	5.23	5.24	469660.1	853.280389			3
+ 5.37	5.38	5.41	86480.03	137.70124			4
5.37	5.39	5.41	386488.2	615.401087			4
5.61	5.63	5.65	1447444	950.765304			5
5.82	5.84	5.86	876064.6	1024.365291			6
Height Summation:			**4858031.5**				
Amount Avg CF:			**1050.564019**	Linear:			
Aroclor-1262					6	46.93	
5.21	5.23	5.24	469660.1	463.443094			1
+ 5.37	5.38	5.41	86480.03	105.631618			2
5.37	5.39	5.41	386488.2	472.078627			2
5.61	5.63	5.65	1447444	731.487928			3
5.81	5.84	5.85	876064.6	801.112966			4
+ 5.87	5.88	5.91	60417.41	111.526385			5
5.87	5.89	5.91	60580.05	111.826607			5
6.25	6.27	6.29	349774.8	530.714821			6
Height Summation:			**3590011.75**				
Amount Avg CF:			**518.444007**	Linear:			
Aroclor-1268					6	127.72	
5.81	5.84	5.85	876064.6	360.265284			1
+ 5.87	5.88	5.91	60417.41	28.475789			2
5.87	5.89	5.91	60580.05	28.552444			2
6.00	6.02	6.04	15972.67	8.073465			3
6.07	6.09	6.11	27807.79	61.308342			4
6.25	6.27	6.29	349774.8	428.025023			5
6.45	6.47	6.49	81577.7	12.756371			6
Height Summation:			**1411777.61**				
Amount Avg CF:			**149.830155**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:18:21
Instrument : CP20--17342B
Result file : 20PCBS17137007B.076.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	61.26	
4.16	4.17	4.19	2212294	521.292953			1
4.22	4.23	4.26	5368056	712.879875			2
4.31	4.33	4.35	5651864	1613.479339			3
4.38	4.40	4.42	4295888	848.655882			4
4.44	4.46	4.48	7509290	2576.049661			5
4.60	4.61	4.64	4115563	1158.888138			6
Height Summation:			**29152955**				
Amount Avg CF:			**1238.540975**	Linear:			
Aroclor-1260					6	8.71	
4.31	4.33	4.35	5651864	986.114564			1
4.44	4.46	4.48	7509290	1111.024369			2
4.55	4.56	4.59	5072369	932.767022			3
4.90	4.91	4.94	3576132	855.523468			4
5.09	5.11	5.13	9654713	1017.768286			5
5.35	5.37	5.39	6364499	1002.941789			6
Height Summation:			**37828867**				
Amount Avg CF:			**984.356583**	Linear:			
Aroclor-1262					6	36.56	
4.71	4.73	4.75	2312638	351.479087			1
4.90	4.91	4.94	3576132	546.377178			2
5.09	5.11	5.13	9654713	775.508798			3
5.31	5.32	5.35	1609504	311.99645			4
5.35	5.37	5.39	6364499	766.484296			5
5.73	5.75	5.77	2238956	498.234553			6
Height Summation:			**25756442**				
Amount Avg CF:			**541.680061**	Linear:			
Aroclor-1268					6	121.64	
5.31	5.32	5.35	1609504	95.798182			1
5.35	5.37	5.39	6364499	374.155618			2
5.51	5.52	5.55	117426.1	8.035301			3
5.57	5.59	5.61	73601.27	20.830948			4
5.73	5.75	5.77	2238956	391.031733			5
5.93	5.95	5.97	523091.6	12.020562			6
Height Summation:			**10927077.97**				
Amount Avg CF:			**150.312057**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			251.2315	48.7685		** 53.42	4	40	
Aroclor-1221			251.2315	75.3695		** 97.56	3	5	
Aroclor-1232			251.2315	60.5911		** 51.40	4	10	
Aroclor-1242			251.2315	60.5911		** 55.37	4	30	
Aroclor-1248			251.2315	48.7685		10.35	4	40	
Aroclor-1254			251.2315	65.0246		11.47	4	40	
Aroclor-1260			251.2315	57.6355		6.51	4	40	
Aroclor-1262			251.2315	48.7685		4.38	4	40	
Aroclor-1268			251.2315	48.7685		0.32	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001119ACF DF5 AC51A13 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:18:21 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.076.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		7045	7201
2.097		9258	10754
2.129		18825	11508
2.197		83403	60266
2.309		17761	12436
2.378		4248	5379
2.421		1516	1849
2.549		2557	2120
2.647		54117	44442
2.732		1735	3962
2.775		17661	14537
2.828		2072	1492
2.924	TCX	639719	426341
3.012		1217	764
3.036		3275	2066
3.061		2190	2213
3.178		1736	938
3.229		341735	258290
3.396		2962	2217
3.464		1345	1378
3.512		3329	1952
3.531		1076	686
3.587		3294	2228
3.623		744	871
3.666		2877	2156
3.693		8976	9020
3.731		6585	6557
3.785		5733	4636
3.826		1232	833
3.855		74257	54442
3.881		23558	16494
3.903		13693	8039
3.978		39176	28773
4.002		8500	5272
4.033		10714	7488
4.067		37116	32672
4 109		8034	6782
4.138		1319	746
4.19		11989	9892
4.227		307850	226850
4.247		69617	39003
4.27		141648	107556
4.338		95864	81816
4.38		556731	553562
4.415		249767	202167
4.455		17095	12230
4.479		32777	23750
4.52		201120	187583
4.572		294770	281376
4.604		126815	82710
4.634		855803	742306
4.679		257213	298230
4.718		166636	129817
4.756		746790	728347

RT A	Compound A	Height A	Area A
4.807		78762	69530
4.849		718745	668884
4.877		10498	5660
4.903		158788	141045
4.928		8754	4126
4.956		1130450	1384547
5.006		135386	118950
5.049		931584	900843
5.091		60296	45459
5.128		115791	146986
5.165		1511691	1404333
5.187		62002	29651
5.227		469660	404984
5.27		336409	331396
5.376		86480	77116
5.392		386488	305310
5.45		284204	252038
5.49		170670	156185
5.531		32586	29542
5.575		309065	275063
5.601		25800	14887
5.632		1447444	1462892
5.719		2960	2956
5.754		1177	1602
5.838		876065	890707
5.879		60417	86079
5.89		60580	47024
6.022		15973	20329
6.087		27808	20734
6.11		143110	128597
6.234		2068	1694
6.268		349775	354826
6.313		25243	24931
6.467		81578	89491
6.613	DCB	417433	454161
6.69		1603	1625
6.925		2585	4765
7.085		1916	2271
7.134		1677	2125
7.779		7631	11432
7.89		569	1079
8.495		529	374
8.683		1229	1137

LANCASTER LABORATORIES

Sample Number: 9001119ACF DF5 AC51A13 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:18:21 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.076.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		2238	1198
2.068		11186	8375
2.108		12873	18479
2.156		26831	26635
2.188		8189	6221
2.213		4497	2675
2.233		14805	18731
2.283		8679	9150
2.309		10815	10841
2.363		289850	217758
2.393		6584	3218
2.411		8568	5856
2.438		9604	10282
2.478		10553	18667
2.506		6427	3580
2.545		67722	58852
2.59		3950	2274
2.614	TCX	3596429	2121174
2.677		7112	4753
2.703		9792	9445
2.732		10468	8029
2.783		24792	18384
2.813		12341	11751
2.877		16252	9675
2.921		1767694	1174811
2.971		4302	2141
3.003		9196	13534
3.034		8166	6810
3.09		3679	6124
3.105		13713	11245
3.152		3429	2463
3.179		5942	4183
3.224		27587	18862
3.243		12501	6485
3.264		16827	11182
3.323		53498	40934
3.354		3996	1819
3.383		63412	46853
3.403		29162	15031
3.417		7649	3229
3.433		8896	3756
3.491		44373	32200
3.525		499785	297310
3.548		206949	114676
3.566		118313	61662
3.598		7252	3746
3.651		285292	176259
3.674		77037	43391
3.696		91365	66759
3.724		29099	13062
3.74		224711	133619
3.781		57713	47869
3.822		57636	53701
3.852		351509	201875

RT B	Compound B	Height B	Area B
3.874		2418374	1559297
3.899		744467	441604
3.918		264761	139309
3.937		559564	349641
3.972		3460642	2312082
4.004		1733274	1121045
4.021		390623	185455
4.082		238033	189632
4.117		1264151	914595
4.138		26880	19094
4.174		2212294	1621917
4.207		1105710	872370
4.234		5368057	4621992
4.273		886193	891024
4.326		5651864	4571647
4.363		562759	445232
4.395		4295888	3036020
4.419		1359120	907853
4.462		7509291	5611345
4.487		88737	42851
4.517		27670	21669
4.565		5072369	4997340
4.615		4115563	3270929
4.656		1722265	1456338
4.693		9756171	7999280
4.725		2312638	1566731
4.764		2165528	1660923
4.836		104632	118433
4.863		501089	327977
4.881		261770	154400
4.915		3576132	2643808
4.939		1734390	1250531
4.989		1944830	1749566
5.025		1098348	872338
5.054		726258	593436
5.087		905863	557372
5.109		9654713	7723378
5.15		215848	148073
5.182		295593	237145
5.222		4894	3375
5.246		12504	8729
5.282		4894	3437
5.301		90347	55257
5.324		1609504	1335016
5.369		6364499	6771348
5.468		4382	5669
5.524		117426	98597
5.569		218646	165088
5.593		73601	48050
5.614		9689	4746
5.642		1029685	865770
5.681		6615	6419
5.721		17116	10143
5.748		2238956	1926404
5.78		154535	109506
5.864		3571	3139
5.948		523092	453864
6.106	DCB	2632403	2319180
6.142		13282	9878
6.237		2964	1903
6.283		6497	5148
6.309		4805	3588
6.343		2658	1972
6.373		11010	9788
6.442		2006	1807
6.528		13075	12275

RT B	Compound B	Height B	Area B
6.584		13430	11765
6.648		2206	3343
6.734		1108	1145
7.012		44109	46126
7.296		2300	4184
7.554		3189	6367
7.602		2087	3299
7.848		3008	5128
8.018		1304	5082
8.112		4579	9504
8.214		19383	38651
8.371		1168	2734
8.432		2187	2929
8.676		2681	8148

9001119ACF DF5 AC51A13 T 171430031A 10225 SW-846 8082

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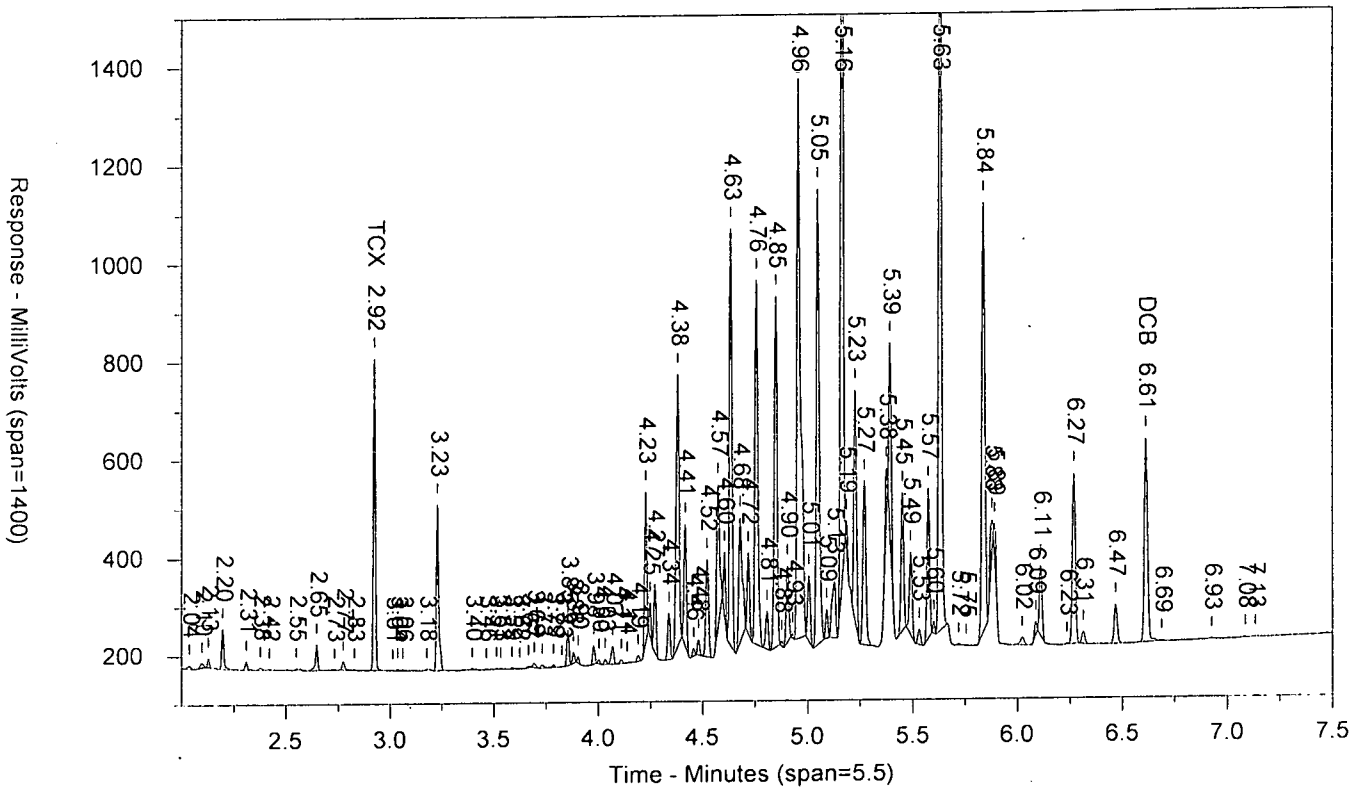

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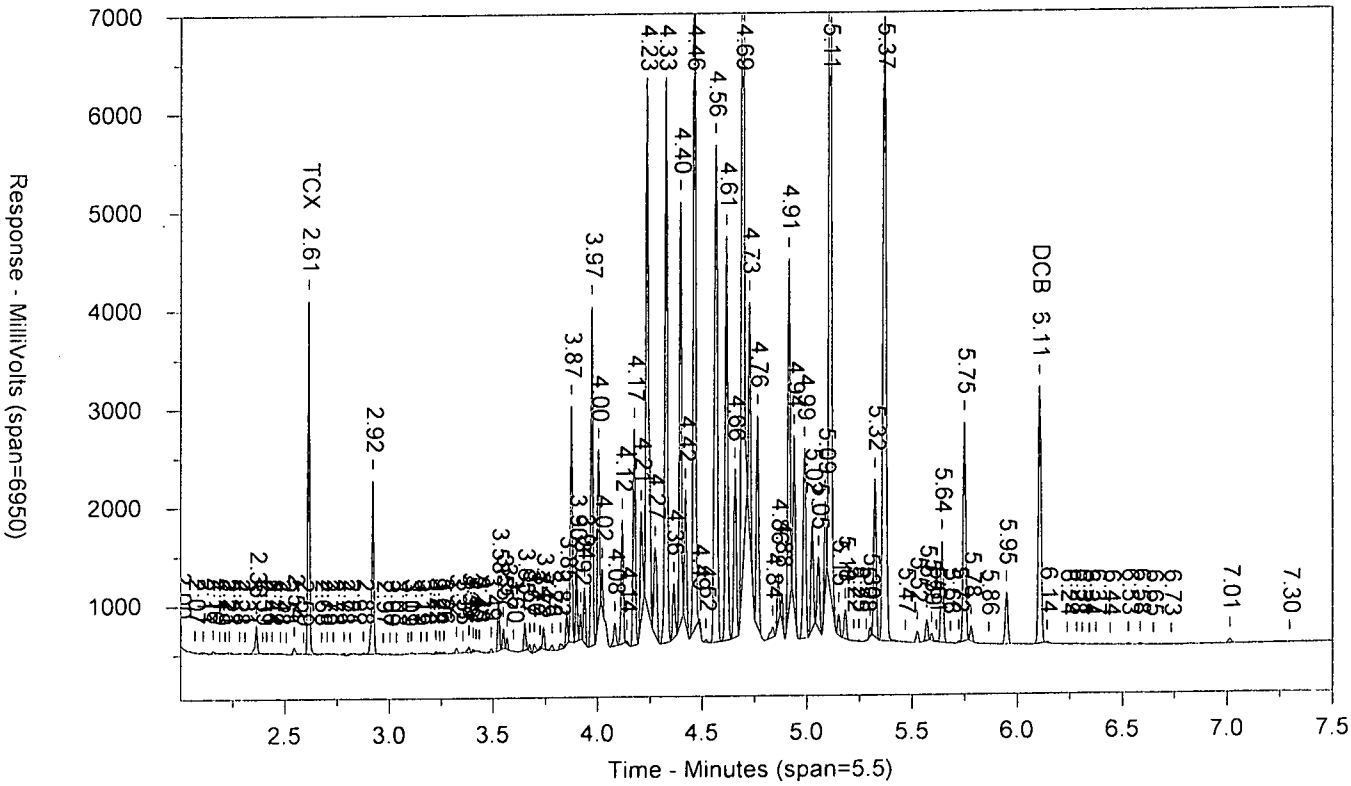

LANCASTER LABORATORIES

Sample Number: 9001119ACF DF5 AC51A13 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:18:21 AM Sample Weight: 10.15
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	639719	27.731	TCX	2.614	3596429	25.627	TCX
6.613	417433	29.881	DCB	6.106	2632403	26.618	DCB

Files:
Area File: 20pcbs17137007.076.RAW
Area File: 20pcbs17137007B.076.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 10:27:05 AM
File Reported On: 5/25/2017 at 10:27:16 AM

9001119ACF DF5 AC51A13 T 171430031A 10225 SW-846 8082

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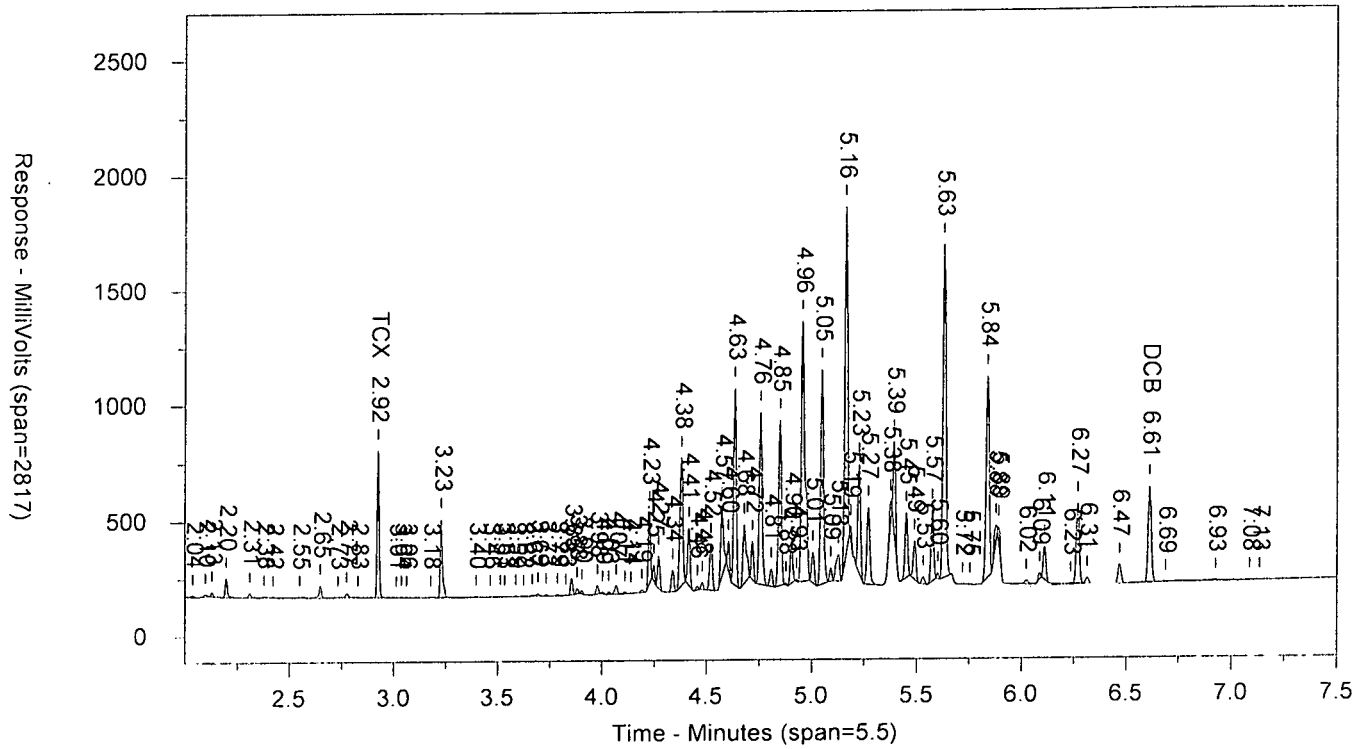

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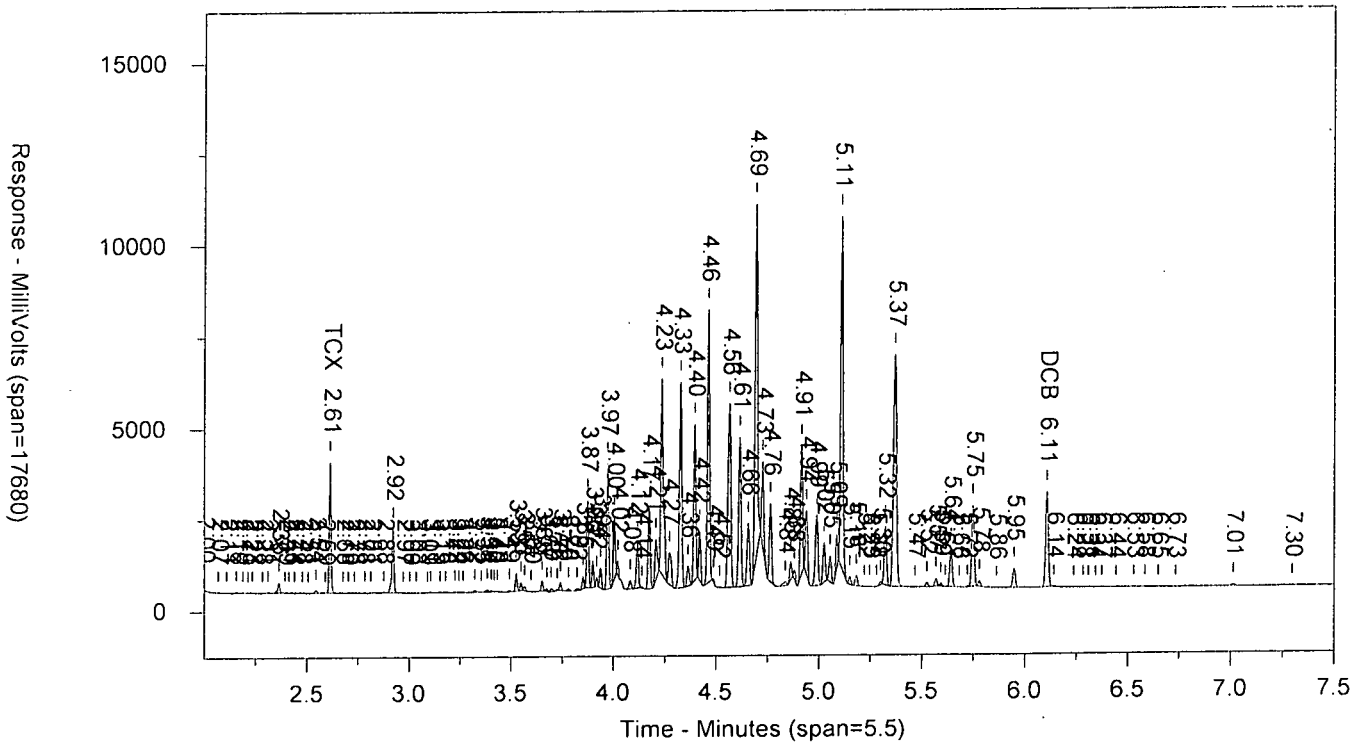

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9001120 ACF DF5 51A14 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.15 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 10:29:54
Instrument	17342A
Result file	20PCBS17137007.077.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 101% (61 - 152) Conc: 29.11731
%SSR(DCB) 107% (48 - 164) Conc: 30.95335

Analysis Report (B)

Injected on	May 25, 2017 10:29:54
Instrument	17342B
Result file	20PCBS17137007B.077.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 93% (61 - 152) Conc: 26.78662
%SSR(DCB) 96% (48 - 164) Conc: 27.80534

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	671708	29.11731
Decachlorobiphenyl	6.58	6.61	6.64	432410	30.95335

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	3759119	26.78662
Decachlorobiphenyl	6.08	6.11	6.14	2749871	27.80534

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	29.11731				8.34	
☑ Decachlorobiphenyl	A	30.95335				10.72	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.88**	
4.73	4.76	4.77	825051.3	969.786644			1
5.20	5.23	5.24	536601.6	974.89998			3
5.37	5.39	5.41	478423.3	761.788378			4
5.61	5.63	5.65	1859019	1221.111673			5
5.82	5.84	5.86	996221.7	1164.86265			6

Height summation: **4695316.9**
Concentration CF: **1018.489865** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.32**	
4.31	4.33	4.35	5940955	1036.554002			1
4.44	4.46	4.48	7912462	1170.675004			2
4.55	4.57	4.59	5396580	992.386764			3
4.90	4.92	4.94	4038586	966.157037			4
5.09	5.11	5.13	11086850	1168.739488			5
5.35	5.37	5.39	7100801	1118.971039			6

Height summation: 41476234
Concentration CF: 1075.580556 L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<251.2315	<48.7685			4	
☑ PCB-1221			<251.2315	<75.3695			3	
☑ PCB-1232			<251.2315	<60.5911			4	
☑ PCB-1242			<251.2315	<60.5911			4	
☑ PCB-1248			<251.2315	<48.7685			4	
☑ PCB-1254			<251.2315	<65.0246			4	
☑ PCB-1260	B	1075.580556	251.2315	57.6355		5.45	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001120** ACF DF5 51A14 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.15 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:29:54
Instrument : CP20--17342A
Result file : 20PCBS17137007.077.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 101% (61-152) Conc.: 29.11731
%SSR(DCB) : 107% (48-164) Conc.: 30.95335

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	157.07	
3.16	3.19	3.20	3794.54	9.109877			1
+ 3.37	3.38	3.41	453.3408	1.065867			2
3.37	3.40	3.41	3466.552	8.150347			2
3.49	3.51	3.53	2641.732	5.516852			3
3.71	3.73	3.75	8685.132	16.370664			4
3.76	3.79	3.80	4639.286	10.691244			5
3.96	3.98	4.00	40302.7	115.833243			6
Height Summation:			**63529.942**				
Amount Avg CF:			**27.612038**	Linear:			
Aroclor-1221					2	1.38	
3.11	3.12	3.15	1197.652	6.94298			2
• 3.16	3.19	3.20	3794.54	6.809209			3
Height Summation:			**4992.192**				
Amount Avg CF:			**6.876094**	Linear:			
Aroclor-1232					6	169.19	
3.16	3.19	3.20	3794.54	7.591011			1
+ 3.38	3.38	3.42	453.3408	2.253834			2
3.38	3.40	3.42	3466.552	17.234349			2
3.49	3.51	3.53	2641.732	11.969663			3
3.71	3.73	3.75	8685.132	36.276087			4
3.77	3.79	3.81	4639.286	24.716479			5
3.96	3.98	4.00	40302.7	277.766877			6
Height Summation:			**63529.942**				
Amount Avg CF:			**62.592411**	Linear:			
Aroclor-1242					6	158.49	
3.16	3.19	3.20	3794.54	10.633926			1
+ 3.38	3.38	3.42	453.3408	1.286568			2
3.38	3.40	3.42	3466.552	9.837976			2
3.49	3.51	3.53	2641.732	6.846756			3
3.71	3.73	3.75	8685.132	20.009682			4
3.77	3.79	3.81	4639.286	13.651535			5
3.96	3.98	4.00	40302.7	145.071001			6
Height Summation:			**63529.942**				
Amount Avg CF:			**34.341813**	Linear:			
Aroclor-1248					6	165.84	
3.76	3.79	3.80	4639.286	19.691641			1
3.83	3.86	3.87	66328.32	154.808146			2
3.96	3.98	4.00	40302.7	79.872787			3
4.05	4.07	4.09	33512.68	79.894987			4
4.23	4.23	4.27	267062.1	537.459966			5
+ 4.23	4.25	4.27	83997.16	169.043495			5
4.61	4.64	4.65	805107.1	2210.299942			6
Height Summation:			**1216952.186**				
Amount Avg CF:			**513.671245**	Linear:			
Aroclor-1254					6	71.25	
4.21	4.23	4.25	267062.1	455.847237			1
4.55	4.57	4.59	280512.6	476.436949			2
4.61	4.64	4.65	805107.1	677.051506			3
4.73	4.76	4.77	825051.3	2311.536096			4
4.83	4.85	4.87	730954.8	930.168988			5
5.14	5.16	5.18	1646001	2039.079385			6
Height Summation:			**4554688.9**				
Amount Avg CF:			**1148.35336**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:29:54
Instrument : CP20--17342B
Result file : 20PCBS17137007B.077.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 93% (61-152) Conc.: 26.78662
%SSR(DCB) : 96% (48-164) Conc.: 27.80534

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	106.75	
3.21	3.22	3.25	24691.07	8.655717			2
+ 3.21	3.24	3.25	14724.22	5.161732			2
3.40	3.40	3.44	30708.65	10.713492			3
+ 3.40	3.42	3.44	5473.472	1.90956			3
+ 3.40	3.43	3.44	25367.58	8.850124			3
3.47	3.49	3.51	31777.09	9.374506			4
3.63	3.65	3.67	280707.8	98.563004			5
+ 3.72	3.73	3.76	27029.04	11.075443			6
3.72	3.74	3.76	212015.3	86.875578			6
Height Summation:			**579899.91**				
Amount Avg CF:			**42.836459**	Linear:			
Aroclor-1221					2	53.33	
2.77	2.78	2.81	23756.84	19.610869			1
2.83	2.83	2.87	6624.335	8.870684			2
+ 2.83	2.86	2.87	5770.727	7.727613			2
Height Summation:			**30381.175**				
Amount Avg CF:			**14.240777**	Linear:			
Aroclor-1232					5	105.70	
3.21	3.22	3.25	24691.07	18.217257			2
+ 3.21	3.24	3.25	14724.22	10.86364			2
3.40	3.40	3.44	30708.65	25.32482			3
+ 3.40	3.42	3.44	5473.472	4.513865			3
+ 3.40	3.43	3.44	25367.58	20.920144			3
3.47	3.49	3.51	31777.09	21.330343			4
+ 3.66	3.67	3.70	64572.55	158.714178			5
3.66	3.70	3.70	84982.89	208.881166			5
+ 3.73	3.73	3.77	27029.04	25.339937			6
3.73	3.74	3.77	212015.3	198.766009			6
Height Summation:			**384175**				
Amount Avg CF:			**94.503919**	Linear:			
Aroclor-1242					5	107.87	
3.21	3.22	3.25	24691.07	10.475037			2
+ 3.21	3.24	3.25	14724.22	6.246661			2
3.40	3.40	3.44	30708.65	13.248127			3
+ 3.40	3.42	3.44	5473.472	2.36133			3
+ 3.40	3.43	3.44	25367.58	10.943917			3
3.47	3.49	3.51	31777.09	11.994867			4
3.64	3.65	3.68	280707.8	128.69238			5
+ 3.64	3.67	3.68	64572.55	29.60372			5
+ 3.73	3.73	3.77	27029.04	13.834196			6
3.73	3.74	3.77	212015.3	108.515183			6
Height Summation:			**579899.91**				
Amount Avg CF:			**54.585119**	Linear:			
Aroclor-1248					6	167.48	
3.40	3.40	3.44	30708.65	27.163993			1
+ 3.40	3.42	3.44	5473.472	4.841677			1
+ 3.40	3.43	3.44	25367.58	22.439435			1
3.51	3.53	3.55	424250.8	133.058646			2
3.63	3.65	3.67	280707.8	70.466887			3
+ 3.72	3.73	3.76	27029.04	9.396909			4
3.72	3.74	3.76	212015.3	73.709188			4
3.86	3.87	3.90	2248350	412.684028			5
4.22	4.23	4.26	4578415	1900.685449			6
Height Summation:			**7774447.55**				
Amount Avg CF:			**436.294699**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001120** ACF DF5 51A14 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.15 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:29:54
Instrument : CP20--17342A
Result file : 20PCBS17137007.077.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	37.78	
4.73	4.76	4.77	825051.3	969.786644			1
5.03	5.05	5.07	961004.2	2044.360767			2
5.20	5.23	5.24	536601.6	974.89998			3
+ 5.37	5.38	5.41	79650.67	126.826922			4
5.37	5.39	5.41	478423.3	761.788378			4
5.61	5.63	5.65	1859019	1221.111673			5
5.82	5.84	5.86	996221.7	1164.86265			6
Height Summation:			**5656321.1**				
Amount Avg CF:			**1189.468349**	Linear:			
Aroclor-1262					6	44.58	
5.21	5.23	5.24	536601.6	529.498473			1
+ 5.37	5.38	5.41	79650.67	97.28985			2
5.37	5.39	5.41	478423.3	584.373377			2
5.61	5.63	5.65	1859019	939.483639			3
5.81	5.84	5.85	996221.7	910.990035			4
5.87	5.88	5.91	98464.95	181.759528			5
+ 5.87	5.89	5.91	64477.6	119.021216			5
6.25	6.27	6.29	398427.8	604.536229			6
Height Summation:			**4367158.35**				
Amount Avg CF:			**625.10688**	Linear:			
Aroclor-1268					6	124.84	
5.81	5.84	5.85	996221.7	409.677658			1
5.87	5.88	5.91	98464.95	46.408264			2
+ 5.87	5.89	5.91	64477.6	30.389428			2
6.00	6.02	6.04	19449.7	9.830947			3
6.07	6.09	6.11	32031.89	70.621292			4
6.25	6.27	6.29	398427.8	487.562478			5
6.45	6.47	6.49	90480.2	14.148462			6
Height Summation:			**1635076.24**				
Amount Avg CF:			**173.041517**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:29:54
Instrument : CP20--17342B
Result file : 20PCBS17137007B.077.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	65.88	
4.16	4.17	4.19	2095962	493.881112			1
4.22	4.23	4.26	4578415	608.015251			2
4.31	4.33	4.35	5940955	1696.008281			3
4.38	4.40	4.42	4471975	883.442			4
4.44	4.46	4.48	7912462	2714.357156			5
4.60	4.62	4.64	4209932	1185.461201			6
Height Summation:			**29209701**				
Amount Avg CF:			**1263.5275**	Linear:			
Aroclor-1260					6	8.32	
4.31	4.33	4.35	5940955	1036.554002			1
4.44	4.46	4.48	7912462	1170.675004			2
4.55	4.57	4.59	5396580	992.386764			3
4.90	4.92	4.94	4038586	966.157037			4
5.09	5.11	5.13	11086850	1168.739488			5
5.35	5.37	5.39	7100801	1118.971039			6
Height Summation:			**41476234**				
Amount Avg CF:			**1075.580556**	Linear:			
Aroclor-1262					6	35.78	
4.71	4.73	4.75	2707103	411.430623			1
4.90	4.92	4.94	4038586	617.032935			2
5.09	5.11	5.13	11086850	890.544309			3
5.31	5.32	5.35	1859790	360.513473			4
5.35	5.37	5.39	7100801	855.158035			5
5.73	5.75	5.77	2517395	560.195544			6
Height Summation:			**29310525**				
Amount Avg CF:			**615.812486**	Linear:			
Aroclor-1268					6	121.28	
5.31	5.32	5.35	1859790	110.695283			1
5.35	5.37	5.39	7100801	417.441277			2
5.51	5.52	5.55	133709.7	9.149564			3
5.57	5.59	5.61	77782.55	22.014352			4
5.73	5.75	5.77	2517395	439.660864			5
5.93	5.95	5.97	605964.1	13.924958			6
Height Summation:			**12295442.35**				
Amount Avg CF:			**168.814383**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			251.2315	48.7685		** 43.22	4	40	
Aroclor-1221			251.2315	75.3695		** 69.75	3	5	
Aroclor-1232			251.2315	60.5911		** 40.63	4	10	
Aroclor-1242			251.2315	60.5911		** 45.53	4	30	
Aroclor-1248			251.2315	48.7685		16.29	4	40	
Aroclor-1254			251.2315	65.0246		9.55	4	40	
Aroclor-1260			251.2315	57.6355		10.06	4	40	
Aroclor-1262			251.2315	48.7685		1.50	4	40	
Aroclor-1268			251.2315	48.7685		2.47	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001120ACF DF5 AC51A14 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:29:54 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.077.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		6468	7069
2.097		9492	10840
2.129		18209	11192
2.197		64148	48797
2.309		20476	15309
2.377		3852	5394
2.421		2766	3043
2.55		2213	3907
2.626		2097	1015
2.647		33532	21822
2.693		580	542
2.774		20913	17722
2.826		3011	2415
2.872		1008	1383
2.924	TCX	671708	450339
3.011		1302	723
3.037		3463	2251
3.12		1198	638
3.19		3795	6160
3.229		418470	340222
3.378		453	1008
3.397		3467	2118
3.483		431	852
3.514		2642	1497
3.588		2943	2170
3.628		1378	1232
3.667		13091	9366
3.694		8401	7611
3.735		8685	7762
3.787		4639	4454
3.856		66328	48996
3.882		23522	16183
3.904		19172	11593
3.98		40303	29017
4.003		6954	4194
4.034		10194	7028
4.069		33513	30382
4.11		8257	7038
4.139		2176	1495
4.192		10466	8444
4.228		267062	192416
4.248		83997	48860
4.272		140968	108688
4.339		87350	74664
4.382		540468	520219
4.416		219118	174583
4.456		17136	12680
4.48		27244	20310
4.522		187317	171489
4.573		280513	273846
4.605		100722	64848
4.635		805107	679762
4.681		299966	334738
4.719		167986	126168

RT A	Compound A	Height A	Area A
4.757		825051	788335
4.808		80198	70434
4.849		730955	703349
4.877		9855	5028
4.904		178746	160823
4.929		6741	3199
4.958		1217914	1509812
5.007		154415	138993
5.049		961004	986674
5.092		54356	40330
5.13		119832	155783
5.165		1646001	1525088
5.188		63799	31443
5.228		536602	480671
5.272		375570	379109
5.314		2985	2545
5.375		79651	59444
5.393		478423	391728
5.451		336228	296063
5.491		191119	175728
5.531		35473	34104
5.576		331256	307256
5.602		24465	14073
5.633		1859019	1716574
5.667		15035	10336
5.722		3130	3275
5.792		6724	6336
5.84		996222	1034322
5.877		98465	108744
5.892		64478	51218
6.024		19450	27744
6.088		32032	23634
6.112		163394	146298
6.178		1254	1053
6.239		1268	1093
6.268		398428	402938
6.314		27806	27521
6.469		90480	90959
6.541		6858	7408
6.614	DCB	432410	470331
6.691		2432	2427
7.027		660	844
7.087		1064	1003
7.126		840	1153
7.418		563	776
7.782		2561	3698
8.034		2127	3728
8.679		1563	1407

LANCASTER LABORATORIES

Sample Number: 9001120ACF DF5 AC51A14 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:29:54 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.077.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		2378	2097
2.066		9725	6573
2.096		6077	3309
2.112		8000	5581
2.155		14146	13714
2.184		8666	7075
2.211		5289	3391
2.231		9875	14782
2.285		6854	6216
2.318		16568	16622
2.363		201992	137331
2.393		7287	3987
2.432		5158	5367
2.473		8342	14093
2.545		67698	49479
2.571		2678	1644
2.613	TCX	3759119	2208305
2.674		3744	1527
2.707		6528	8929
2.731		5599	3011
2.783		23757	14536
2.811		8306	6892
2.832		6624	4791
2.865		5771	6006
2.92		2203966	1504623
2.946		4779	2414
2.969		2765	1760
2.997		6645	8121
3.032		11201	8577
3.066		3126	1327
3.089		2785	1545
3.105		15062	10313
3.151		6172	4519
3.178		5136	3322
3.197		7403	4172
3.225		24691	16948
3.242		14724	7663
3.263		18397	12871
3.305		4464	3403
3.323		126760	77540
3.383		55057	40646
3.403		30709	16177
3.418		5473	2274
3.433		25368	13236
3.491		31777	22737
3.525		424251	256504
3.549		199848	110525
3.566		148713	75278
3.617		1713	592
3.652		280708	173737
3.675		64573	35225
3.696		84983	60171
3.725		27029	12471
3.741		212015	120640

RT B	Compound B	Height B	Area B
3.781		55521	49767
3.823		47164	46311
3.852		335476	202895
3.874		2248350	1422784
3.899		757115	455522
3.919		213207	109757
3.937		503322	309726
3.973		3248292	2123988
4.005		1565106	999580
4.022		292647	129346
4.036		63616	42080
4.082		199452	158888
4.118		1112299	792606
4.14		34984	30882
4.174		2095962	1541584
4.208		960190	773676
4.235		4578415	4252334
4.273		904514	929576
4.326		5940955	4706196
4.363		540716	442310
4.396		4471975	3081301
4.42		1392323	967635
4.463		7912463	6032133
4.488		69220	36713
4.517		26909	19407
4.566		5396580	5347743
4.616		4209933	3344991
4.657		1800856	1563729
4.694		10218620	8530975
4.726		2707103	1867910
4.765		2479681	1892275
4.837		117775	115102
4.864		538233	353679
4.881		263803	150967
4.915		4038586	3063421
4.939		1695090	1169406
4.99		2246023	2026294
5.025		1267500	1006343
5.055		889696	716723
5.087		910313	561043
5.11		11086850	8951334
5.152		269686	202129
5.183		317392	263869
5.222		6364	4754
5.246		11654	7830
5.301		102566	62429
5.325		1859790	1514873
5.369		7100801	7640957
5.469		4703	6453
5.525		133710	114990
5.57		253937	195780
5.594		77783	50756
5.615		10669	4898
5.643		1157262	978430
5.684		3594	2471
5.722		7353	4212
5.749		2517395	2185219
5.78		162303	122443
5.948		605964	538083
6.107	DCB	2749871	2427981
6.143		7993	5500
6.282		9567	7450
6.31		14673	13645
6.376		4819	3602
6.531		13377	15270
6.588		7294	7556

RT B	Compound B	Height B	Area B
6.728		2198	4268
6.787		1627	1677
6.913		2705	6605
7.013		17201	17956
7.066		2097	2122
7.128		3629	4034
7.251		1816	2612
7.299		2373	2467
7.465		2774	3381
7.557		10731	14463
7.601		3021	3127
7.839		2654	4564
8.044		2312	3469
8.118		1464	1468
8.217		19444	33567
8.353		2557	3219
8.438		3775	10018

9001120ACF DF5 AC51A14 T 171430031A 10225 SW-846 8082

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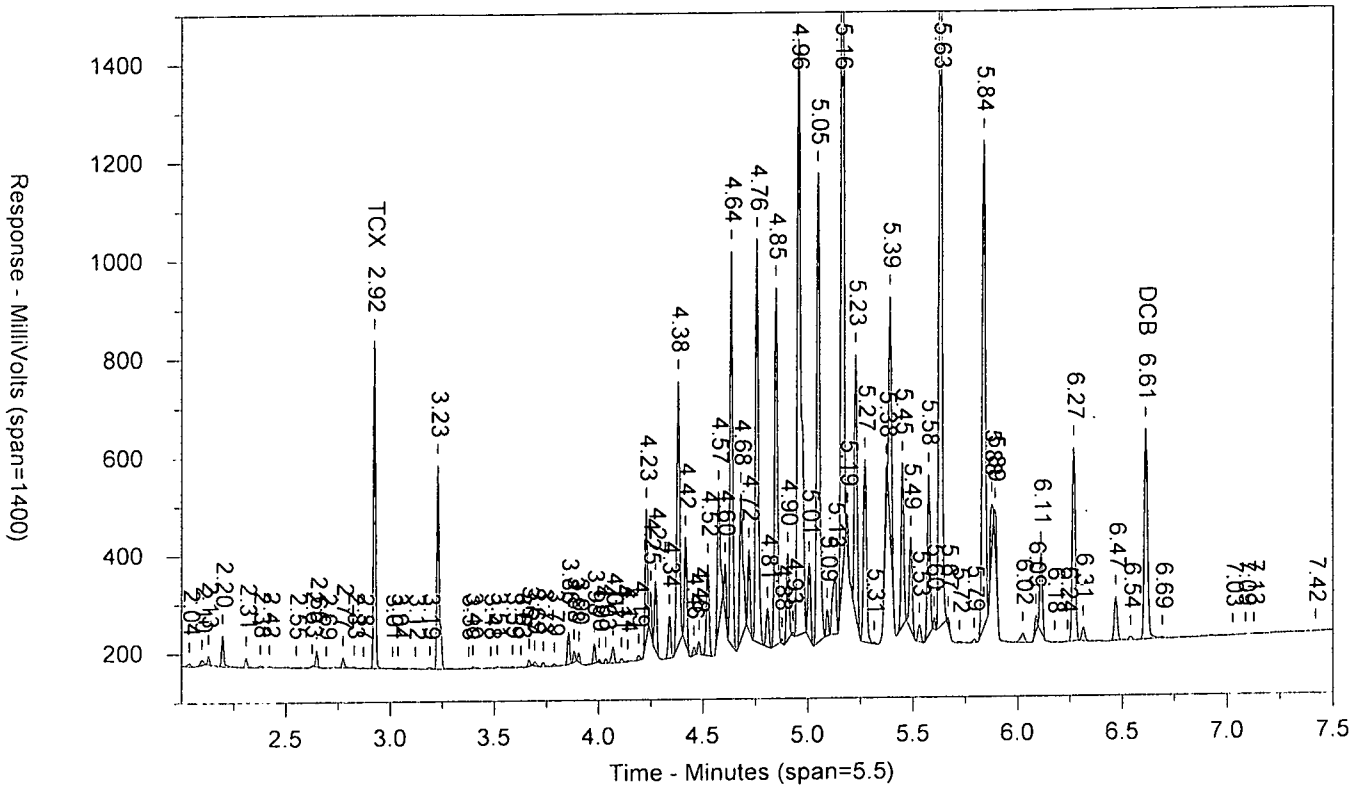

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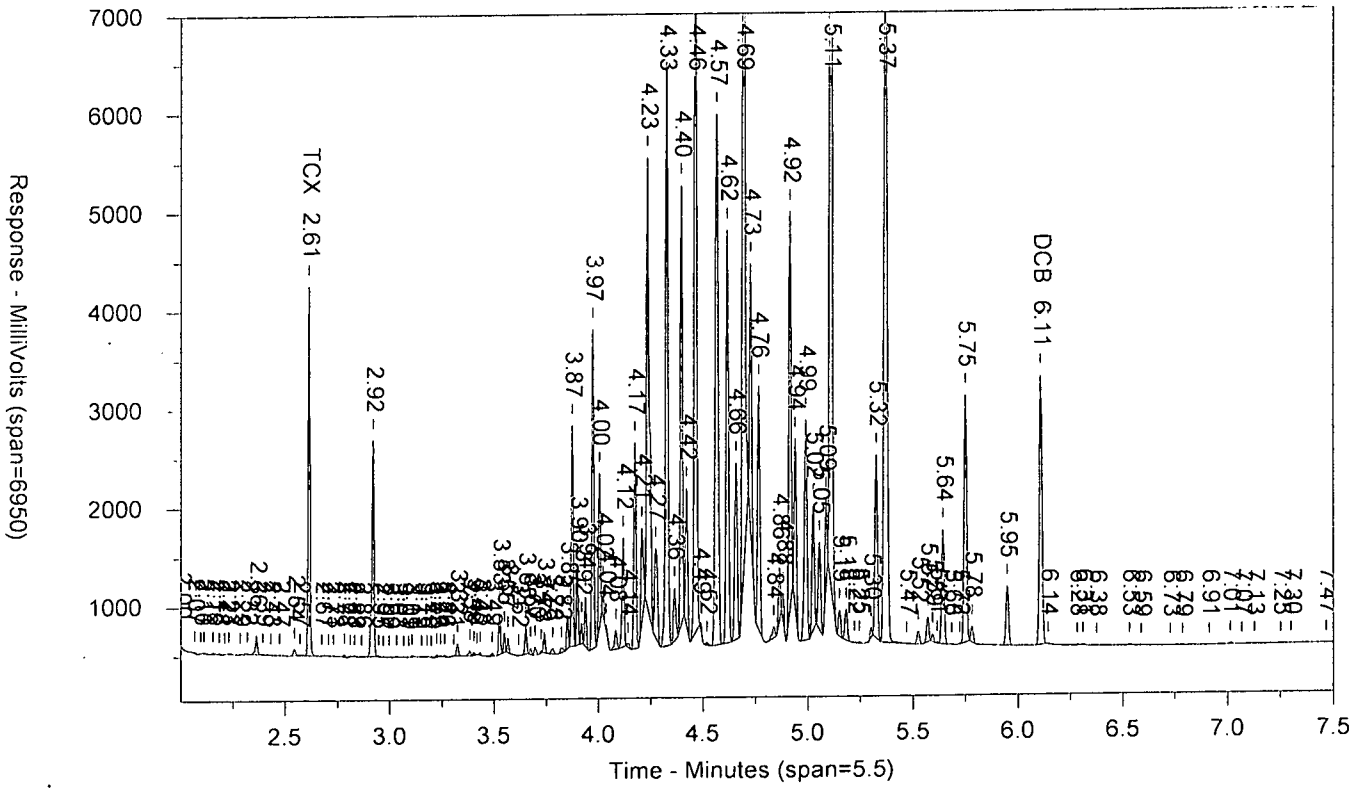

LANCASTER LABORATORIES

Sample Number: 9001120ACF DF5 AC51A14 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:29:54 AM Sample Weight: 10.15
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	671708	29.117	TCX	2.613	3759119	26.787	TCX
6.614	432410	30.953	DCB	6.107	2749871	27.805	DCB

Files:
Area File: 20pcbs17137007.077.RAW
Area File: 20pcbs17137007B.077.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 10:38:37 AM
File Reported On: 5/25/2017 at 10:38:50 AM

9001120ACF DF5 AC51A14 T 171430031A 10225 SW-846 8082

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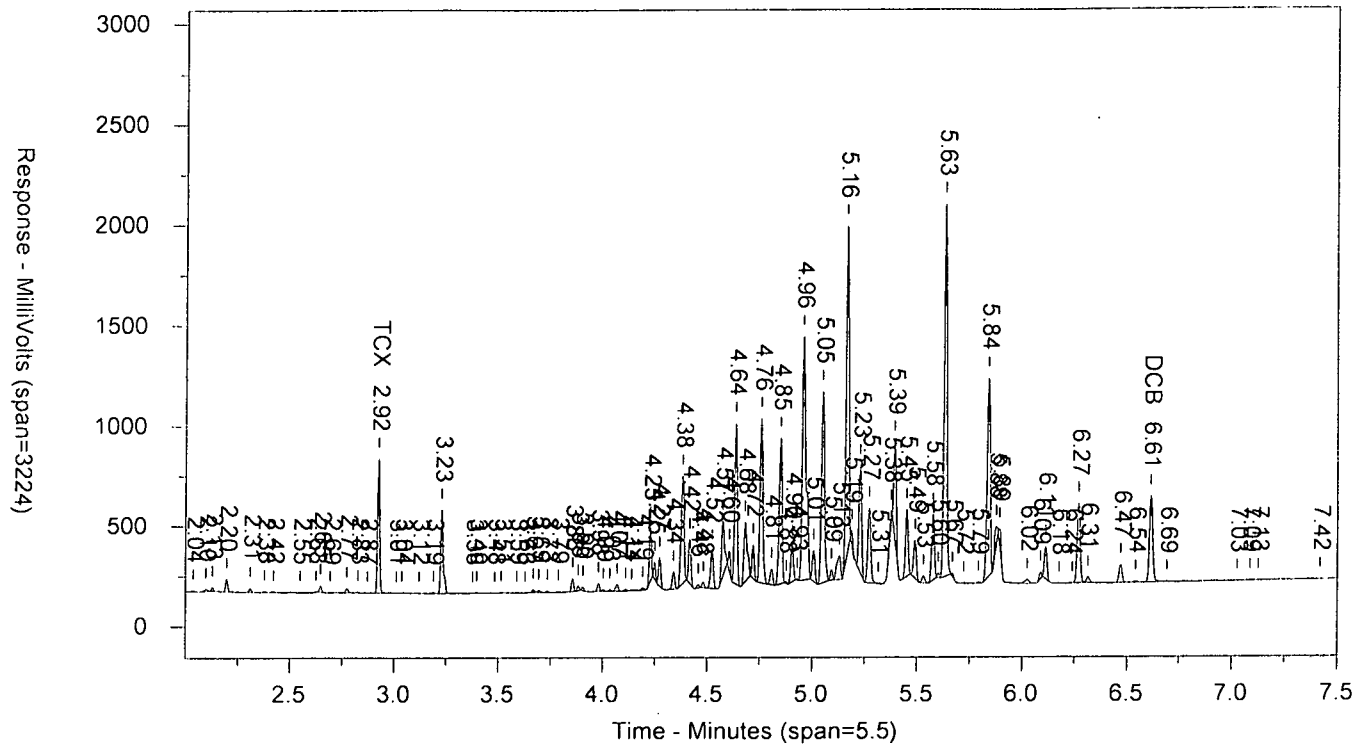

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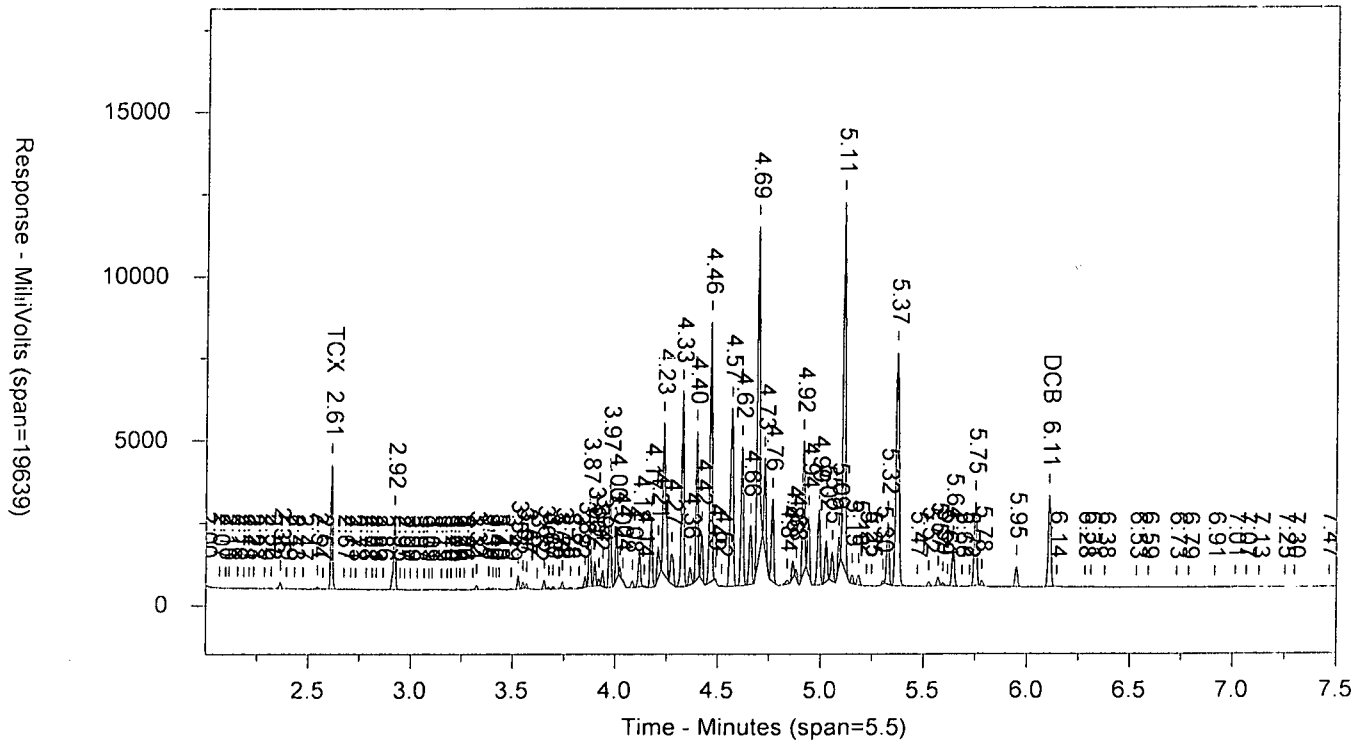

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Data Summary

Sample Name: 9001121 ACF DF5 51A15 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.45 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 10:41:26
Instrument	17342A
Result file	20PCBS17137007.078.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 85% (61 - 152) Conc: 23.90241
%SSR(DCB) 102% (48 - 164) Conc: 28.53833

Analysis Report (B)

Injected on	May 25, 2017 10:41:26
Instrument	17342B
Result file	20PCBS17137007B.078.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 68% (61 - 152) Conc: 19.14356
%SSR(DCB) 83% (48 - 164) Conc: 23.28945

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	567703	23.90241
Decachlorobiphenyl	6.58	6.61	6.64	410456	28.53833

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	2765929	19.14356
Decachlorobiphenyl	6.08	6.11	6.14	2371339	23.28945

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	23.90241				22.11	
☑	Decachlorobiphenyl	A	28.53833				20.26	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.19**	
4.73	4.76	4.77	643600.1	734.786385			1
5.20	5.23	5.24	432725.2	763.60724			3
5.37	5.39	5.41	373537.2	577.704341			4
5.61	5.63	5.65	1396289	890.833669			5
5.82	5.84	5.86	796320.2	904.390949			6

Height summation: **3642471.7**
Concentration CF: **774.264517** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.10**	
4.31	4.33	4.35	4102031	695.159336			1
4.44	4.46	4.48	5150066	740.094633			2
4.55	4.57	4.59	3606326	644.135268			3
4.90	4.92	4.94	2834798	658.703932			4
5.09	5.11	5.13	8095442	828.895655			5
5.35	5.37	5.39	5152449	788.633022			6

Height summation: 28941112
Concentration CF: 725.936974 L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<244.0191	<47.3684			4	
☑	PCB-1221			<244.0191	<73.2057			3	
☑	PCB-1232			<244.0191	<58.8517			4	
☑	PCB-1242			<244.0191	<58.8517			4	
☑	PCB-1248			<244.0191	<47.3684			4	
☑	PCB-1254			<244.0191	<63.1579			4	
☑	PCB-1260	A	774.264517	244.0191	55.9809		6.44	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by:
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001121** ACF DF5 51A15 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.45 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:41:26
Instrument : CP20--17342A
Result file : 20PCBS17137007.078.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 85% (61-152) Conc.: 23.90241
%SSR(DCB) : 102% (48-164) Conc.: 28.53833

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	124.22	
+ 3.16	3.16	3.20	1406.937	3.280785			1
3.16	3.18	3.20	2634.873	6.144164			1
3.37	3.40	3.41	6279.207	14.339464			2
+ 3.49	3.49	3.53	1281.751	2.599896			3
3.49	3.51	3.53	3936.406	7.984583			3
3.71	3.73	3.75	7825.754	14.327348			4
3.76	3.79	3.80	3528.345	7.89765			5
+ 3.96	3.96	4.00	1319.8	3.684317			6
3.96	3.98	4.00	25622.77	71.527806			6
Height Summation:			49827.355				
Amount Avg CF:			20.370169	Linear:			
Aroclor-1221					2	71.03	
3.11	3.12	3.15	2461.423	13.859619			2
+ 3.16	3.16	3.20	1406.937	2.452234			3
3.16	3.18	3.20	2634.873	4.592476			3
Height Summation:			5096.296				
Amount Avg CF:			9.226048	Linear:			
Aroclor-1232					6	136.49	
+ 3.16	3.16	3.20	1406.937	2.733788			1
3.16	3.18	3.20	2634.873	5.119764			1
3.38	3.40	3.42	6279.207	30.321572			2
+ 3.49	3.49	3.53	1281.751	5.640876			3
3.49	3.51	3.53	3936.406	17.323786			3
3.71	3.73	3.75	7825.754	31.748262			4
3.77	3.79	3.81	3528.345	18.258128			5
3.96	3.98	4.00	25622.77	171.522913			6
Height Summation:			49827.355				
Amount Avg CF:			45.715738	Linear:			
Aroclor-1242					6	125.85	
+ 3.16	3.16	3.20	1406.937	3.829648			1
3.16	3.18	3.20	2634.873	7.17206			1
3.38	3.40	3.42	6279.207	17.308626			2
+ 3.49	3.49	3.53	1281.751	3.226633			3
3.49	3.51	3.53	3936.406	9.909363			3
3.71	3.73	3.75	7825.754	17.51216			4
3.77	3.79	3.81	3528.345	10.084425			5
3.96	3.98	4.00	25622.77	89.582318			6
Height Summation:			49827.355				
Amount Avg CF:			25.261492	Linear:			
Aroclor-1248					6	159.59	
3.76	3.79	3.80	3528.345	14.546267			1
3.83	3.86	3.87	46961.85	106.460809			2
3.96	3.98	4.00	25622.77	49.321983			3
4.05	4.07	4.09	22941.54	53.123012			4
4.23	4.23	4.27	217040.8	424.253071			5
+ 4.23	4.25	4.27	47891.45	93.614172			5
4.61	4.63	4.65	538802.2	1436.734988			6
Height Summation:			854897.505				
Amount Avg CF:			347.406688	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:41:26
Instrument : CP20--17342B
Result file : 20PCBS17137007B.078.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 68% (61-152) Conc.: 19.14356
%SSR(DCB) : 83% (48-164) Conc.: 23.28945

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	92.88	
3.21	3.22	3.25	24039.97	8.18553			2
+ 3.21	3.24	3.25	14723.06	5.013153			2
3.40	3.40	3.44	29789.19	10.09436			3
+ 3.40	3.42	3.44	6650.197	2.253485			3
+ 3.40	3.43	3.44	26132.94	8.855404			3
3.47	3.49	3.51	27431.18	7.860108			4
3.63	3.65	3.67	166406.5	56.75178			5
+ 3.72	3.73	3.76	18012.37	7.168877			6
3.72	3.74	3.76	129666.6	51.606972			6
Height Summation:			377333.44				
Amount Avg CF:			26.89975	Linear:			
Aroclor-1221					2	0.16	
2.77	2.78	2.81	15662.62	12.558054			1
2.83	2.83	2.87	9633.148	12.529473			2
+ 2.83	2.86	2.87	3647.334	4.74395			2
Height Summation:			25295.768				
Amount Avg CF:			12.543763	Linear:			
Aroclor-1232					5	94.27	
3.21	3.22	3.25	24039.97	17.227678			2
+ 3.21	3.24	3.25	14723.06	10.550934			2
3.40	3.40	3.44	29789.19	23.861299			3
+ 3.40	3.42	3.44	6650.197	5.326843			3
+ 3.40	3.43	3.44	26132.94	20.932624			3
3.47	3.49	3.51	27431.18	17.884547			4
+ 3.66	3.68	3.70	42023.93	100.326163			5
3.66	3.70	3.70	56300.18	134.408682			5
+ 3.73	3.73	3.77	18012.37	16.401952			6
3.73	3.74	3.77	129666.6	118.073596			6
Height Summation:			267227.12				
Amount Avg CF:			62.291161	Linear:			
Aroclor-1242					5	94.21	
3.21	3.22	3.25	24039.97	9.906022			2
+ 3.21	3.24	3.25	14723.06	6.066853			2
3.40	3.40	3.44	29789.19	12.482518			3
+ 3.40	3.42	3.44	6650.197	2.786622			3
+ 3.40	3.43	3.44	26132.94	10.950445			3
3.47	3.49	3.51	27431.18	10.057164			4
3.64	3.65	3.68	166406.5	74.100031			5
+ 3.73	3.73	3.77	18012.37	8.954553			6
3.73	3.74	3.77	129666.6	64.461614			6
Height Summation:			377333.44				
Amount Avg CF:			34.20147	Linear:			
Aroclor-1248					6	161.69	
3.40	3.40	3.44	29789.19	25.594187			1
+ 3.40	3.42	3.44	6650.197	5.713696			1
+ 3.40	3.43	3.44	26132.94	22.452821			1
3.51	3.53	3.55	277172.7	84.434636			2
3.63	3.65	3.67	166406.5	40.574263			3
+ 3.72	3.73	3.76	18012.37	6.082401			4
3.72	3.74	3.76	129666.6	43.7857			4
3.86	3.87	3.90	1567995	279.542708			5
4.22	4.24	4.26	2787105	1123.823674			6
Height Summation:			4958134.99				
Amount Avg CF:			266.292528	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001121** ACF DF5 51A15 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.45 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:41:26
Instrument : CP20--17342A
Result file : 20PCBS17137007.078.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	78.54	
4.21	4.23	4.25	217040.8	359.830689			1
4.55	4.57	4.59	162783.8	268.543098			2
4.61	4.63	4.65	538802.2	440.095739			3
4.73	4.76	4.77	643600.1	1751.400952			4
4.83	4.85	4.87	426381.3	527.01046			5
5.14	5.17	5.18	1131424	1361.37941			6
Height Summation:			**3120032.2**				
Amount Avg CF:			**784.710058**	Linear:			
Aroclor-1260					6	28.99	
4.73	4.76	4.77	643600.1	734.786385			1
5.03	5.05	5.07	636082.1	1314.302029			2
5.20	5.23	5.24	432725.2	763.60724			3
+ 5.37	5.38	5.41	36375.91	56.258175			4
5.37	5.39	5.41	373537.2	577.704341			4
5.61	5.63	5.65	1396289	890.833669			5
5.82	5.84	5.86	796320.2	904.390949			6
Height Summation:			**4278553.8**				
Amount Avg CF:			**864.270769**	Linear:			
Aroclor-1262					6	43.59	
5.21	5.23	5.24	432725.2	414.73882			1
+ 5.37	5.38	5.41	36375.91	43.156053			2
5.37	5.39	5.41	373537.2	443.16118			2
5.61	5.63	5.65	1396289	685.378476			3
5.81	5.84	5.85	796320.2	707.286084			4
+ 5.87	5.88	5.91	49857.93	89.392177			5
5.87	5.89	5.91	75350.55	135.098865			5
6.25	6.27	6.29	333683.8	491.764953			6
Height Summation:			**3407905.95**				
Amount Avg CF:			**479.571396**	Linear:			
Aroclor-1268					6	125.18	
5.81	5.84	5.85	796320.2	318.070775			1
+ 5.87	5.88	5.91	49857.93	22.82431			2
5.87	5.89	5.91	75350.55	34.494499			2
6.00	6.02	6.04	17187.89	8.438296			3
6.07	6.09	6.11	27293.27	58.446488			4
6.25	6.27	6.29	333683.8	396.611695			5
6.45	6.47	6.49	76514.44	11.621143			6
Height Summation:			**1326350.15**				
Amount Avg CF:			**137.947149**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:41:26
Instrument : CP20--17342B
Result file : 20PCBS17137007B.078.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	76.03	
4.16	4.17	4.19	1139195	260.727497			1
4.22	4.24	4.26	2787105	359.502901			2
4.31	4.33	4.35	4102031	1137.418782			3
4.38	4.40	4.42	2181726	418.628349			4
4.44	4.46	4.48	5150066	1716.00244			5
4.60	4.62	4.64	2147647	587.387791			6
Height Summation:			**17507770**				
Amount Avg CF:			**746.611293**	Linear:			
Aroclor-1260					6	10.10	
4.31	4.33	4.35	4102031	695.159336			1
4.44	4.46	4.48	5150066	740.094633			2
4.55	4.57	4.59	3606326	644.135268			3
4.90	4.92	4.94	2834798	658.703932			4
5.09	5.11	5.13	8095442	828.895655			5
5.35	5.37	5.39	5152449	788.633022			6
Height Summation:			**28941112**				
Amount Avg CF:			**725.936974**	Linear:			
Aroclor-1262					6	34.66	
4.71	4.73	4.75	2024329	298.828959			1
4.90	4.92	4.94	2834798	420.679045			2
5.09	5.11	5.13	8095442	631.593538			3
5.31	5.32	5.35	1385053	260.779673			4
5.35	5.37	5.39	5152449	602.701806			5
5.73	5.75	5.77	1951200	421.735174			6
Height Summation:			**21443271**				
Amount Avg CF:			**439.386366**	Linear:			
Aroclor-1268					6	120.80	
5.31	5.32	5.35	1385053	80.072124			1
5.35	5.37	5.39	5152449	294.205984			2
5.51	5.52	5.55	117112.4	7.783772			3
5.57	5.59	5.61	62483.97	17.176793			4
5.73	5.75	5.77	1951200	330.99237			5
5.93	5.95	5.97	499875.6	11.157289			6
Height Summation:			**9168173.97**				
Amount Avg CF:			**123.564722**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			244.0191	47.3684		27.63	4	40	
Aroclor-1221			244.0191	73.2057		30.48	3	5	
Aroclor-1232			244.0191	58.8517		30.69	4	10	
Aroclor-1242			244.0191	58.8517		30.07	4	30	
Aroclor-1248			244.0191	47.3684		26.43	4	40	
Aroclor-1254			244.0191	63.1579		4.98	4	40	
Aroclor-1260			244.0191	55.9809		17.40	4	40	
Aroclor-1262			244.0191	47.3684		8.75	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001121** ACF DF5 51A15 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.45 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: May 25, 2017 10:41:26
Instrument	: CP20--17342A
Result file	: 20PCBS17137007.078.RAW
Calibration file	: 20PCBS1713701.CAL
Method file	: 20PCBS.MET

Analysis Report (B)

Injected on	: May 25, 2017 10:41:26
Instrument	: CP20--17342B
Result file	: 20PCBS17137007B.078.RAW
Calibration file	: 20PCBS1713701B.CAL
Method file	: 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			244.0191	47.3684		11.00	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001121ACF DF5 AC51A15 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:41:26 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.078.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.004		1247	800
2.038		11041	9446
2.096		6525	7039
2.129		20767	13672
2.16		2829	1873
2.197		50015	38586
2.257		1750	1813
2.309		17661	13822
2.332		1881	1173
2.381		4830	6472
2.418		1769	1409
2.469		1567	1387
2.504		1853	1370
2.548		4187	7310
2.626		5029	2420
2.647		28786	19164
2.713		1681	2245
2.774		6352	7255
2.87		3035	2557
2.924	TCX	567703	377689
2.994		855	568
3.011		1532	971
3.037		1679	1138
3.123		2461	3367
3.162		1407	934
3.18		2635	3074
3.229		391477	363030
3.352		1267	1072
3.396		6279	8224
3.464		1152	1658
3.493		1282	674
3.514		3936	3131
3.587		3225	2751
3.626		1757	2009
3.666		24408	17691
3.696		7147	6580
3.734		7826	6779
3.787		3528	3162
3.855		46962	35660
3.882		16222	11128
3.904		13043	7971
3.956		1320	875
3.979		25623	18197
4.003		5052	3468
4.034		7413	5132
4.069		22942	20688
4.111		6121	5136
4.139		2498	1697
4.164		855	752
4.192		8609	7091
4.227		217041	164874
4.248		47891	28696
4.272		89683	68461
4.339		62603	52583

RT A	Compound A	Height A	Area A
4.382		366504	357604
4.416		140123	115102
4.456		9667	7140
4.48		19676	14379
4.521		126064	115902
4.574		162784	177217
4.605		59277	34308
4.635		538802	469288
4.68		241884	276939
4.719		116087	88100
4.757		643600	615285
4.807		45525	41121
4.849		426381	410628
4.877		7381	3988
4.904		136756	124478
4.956		863523	1111027
5.007		140683	123075
5.05		636082	643022
5.092		40581	29023
5.129		94957	119401
5.165		1131424	1083969
5.188		38325	18388
5.227		432725	391663
5.272		299690	299384
5.323		5045	4234
5.377		36376	40068
5.392		373537	310571
5.451		262872	239176
5.491		146959	141995
5.531		29618	28644
5.576		228462	208462
5.602		18933	11354
5.632		1396289	1321145
5.719		2001	2315
5.791		7874	7759
5.839		796320	814289
5.879		49858	63488
5.891		75351	53685
6.023		17188	26911
6.086		27293	18462
6.11		133091	122170
6.235		1510	881
6.267		333684	331295
6.314		23126	23308
6.468		76514	79342
6.539		7260	8048
6.614	DCB	410456	445235
6.689		2526	2302
6.791		645	952
6.923		1827	4358
6.969		715	627
7.088		971	1123
7.128		1419	2362
7.635		870	1080
7.779		5717	8661
7.844		505	763
7.965		655	1014

LANCASTER LABORATORIES

Sample Number: 9001121ACF DF5 AC51A15 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:41:26 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.078.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.019		8911	4927
2.047		15144	12934
2.068		14447	11106
2.097		6903	4200
2.159		35178	37853
2.189		7445	5056
2.214		3807	2603
2.23		5607	3350
2.28		10483	8766
2.308		9467	7663
2.318		22804	8983
2.363		172908	153470
2.392		6294	3419
2.416		8122	6139
2.435		9838	10277
2.462		4584	2131
2.474		6707	7262
2.508		4779	3135
2.543		34825	28343
2.576		13498	11859
2.614	TCX	2765929	1601837
2.678		3862	2473
2.702		11501	10898
2.731		5998	2865
2.782		15663	13331
2.812		8371	6179
2.831		9633	7727
2.858		3647	1869
2.876		7540	3745
2.921		1811145	1420786
2.971		6548	4289
2.995		5996	3218
3.033		16315	11201
3.059		1873	1232
3.105		15117	19671
3.148		9904	7111
3.179		5141	3564
3.225		24040	15628
3.243		14723	7791
3.265		17188	12940
3.305		3898	3489
3.323		178647	112311
3.351		6625	4495
3.383		40181	31014
3.404		29789	15524
3.417		6650	2637
3.434		26133	18183
3.491		27431	18588
3.526		277173	167264
3.549		131065	73356
3.567		96911	51363
3.599		7942	4604
3.621		3167	1761
3.652		166407	105245

RT B	Compound B	Height B	Area B
3.675		42024	22486
3.696		56300	41000
3.725		18012	8052
3.742		129667	76438
3.781		32958	30020
3.822		31151	29175
3.852		182237	107571
3.875		1567995	1009167
3.9		376636	226418
3.919		148804	78059
3.938		350018	214328
3.973		1891407	1279451
4.005		834704	538292
4.023		214076	104889
4.083		127172	108669
4.118		631870	469926
4.143		25261	19042
4.175		1139195	845541
4.209		530275	480946
4.235		2787105	2693483
4.275		639871	643015
4.327		4102031	3179254
4.364		299259	242592
4.396		2181726	1495429
4.421		938417	659629
4.464		5150066	4074115
4.518		26700	17284
4.566		3606326	3554290
4.616		2147647	1732471
4.658		1217952	1032504
4.694		6304964	5238960
4.727		2024329	1353158
4.765		1644474	1304798
4.81		6027	3383
4.838		70209	60590
4.864		399497	262521
4.881		149876	81313
4.916		2834798	2159061
4.939		1031428	721678
4.989		1612525	1450492
5.026		880800	693253
5.055		607053	489519
5.086		524340	320824
5.11		8095443	6309422
5.151		209470	155424
5.183		243035	205113
5.225		4427	2787
5.247		6378	3823
5.301		78116	47956
5.324		1385053	1138246
5.369		5152449	5483633
5.468		4609	3114
5.524		117112	103028
5.57		181837	140095
5.593		62484	40646
5.615		15048	8019
5.643		847280	739812
5.686		4198	3243
5.722		10450	5991
5.749		1951200	1652839
5.781		122966	95813
5.949		499876	431161
6.109	DCB	2371339	2160049
6.144		9427	7403
6.236		2912	2805
6.283		10937	8874

RT B	Compound B	Height B	Area B
6.31		13750	11337
6.374		6853	5582
6.422		1954	2308
6.479		3907	4457
6.529		10629	14071
6.587		8088	8561
6.641		3045	2351
6.718		1855	1599
6.844		2725	5720
6.912		3735	9036
6.954		4276	4998
7.014		33289	36379
7.129		4618	6048
7.24		2421	1907
7.307		4560	7882
7.424		2814	3118
7.464		4500	5313
7.555		8646	11129
7.84		4332	8772
7.921		1479	1906
8.216		17892	30233

9001121ACF DF5 AC51A15 T 171430031A 10225 SW-846 8082

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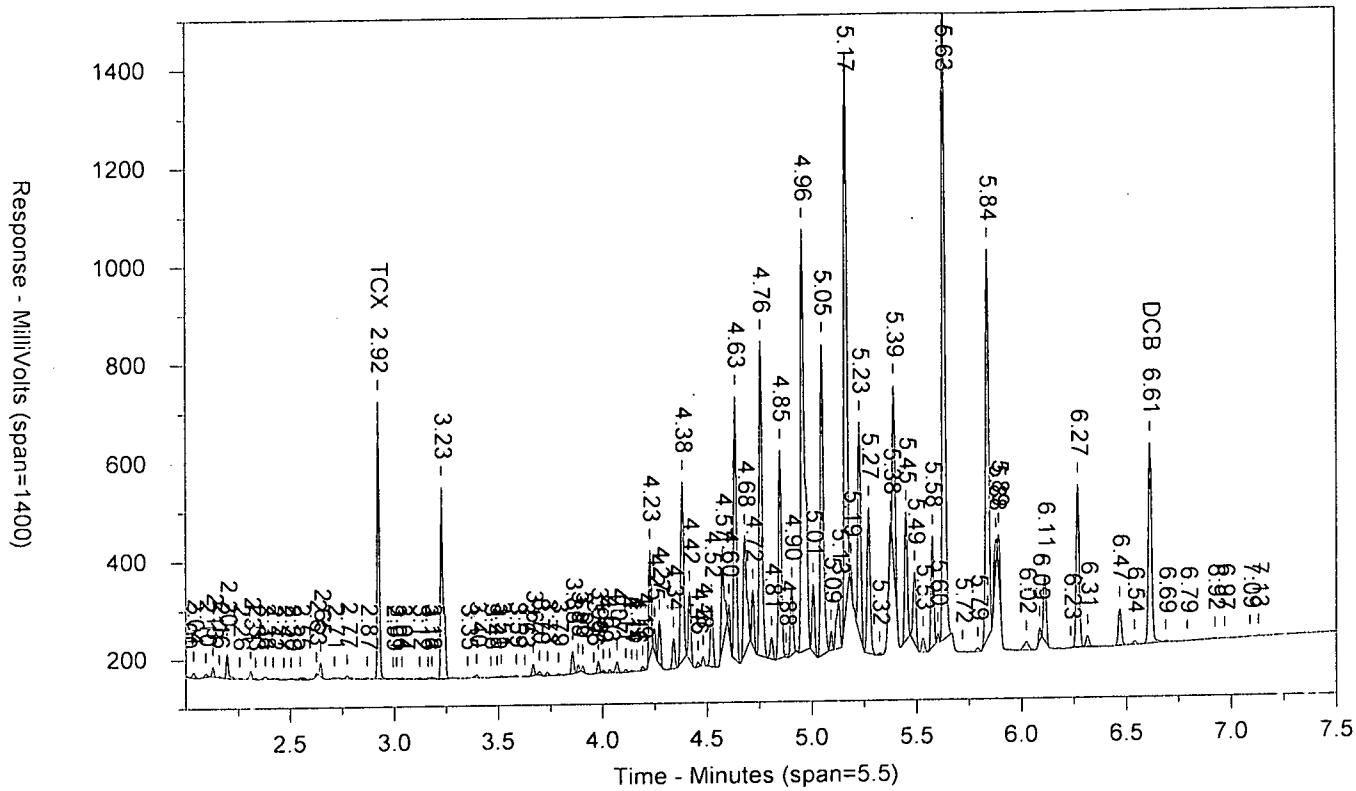

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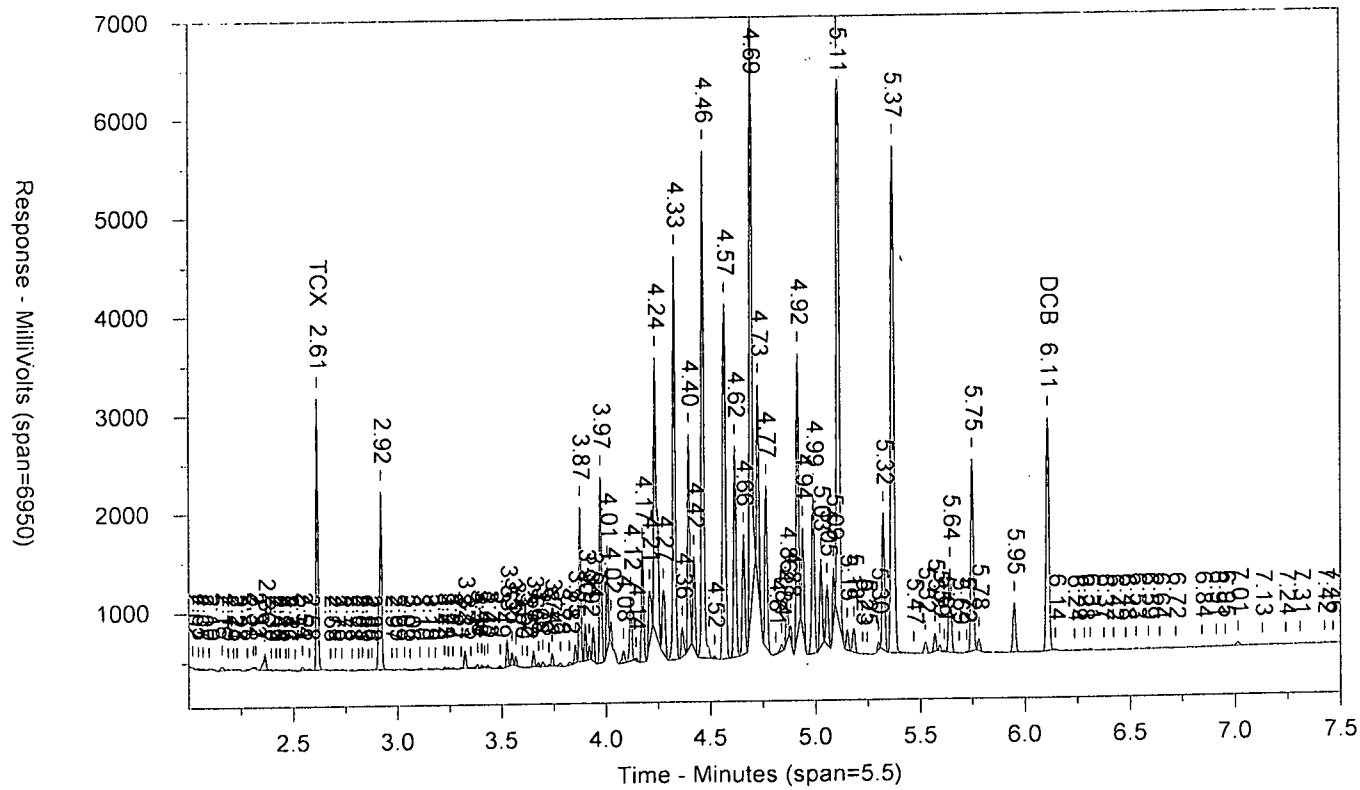

LANCASTER LABORATORIES

Sample Number: 9001121ACF DF5 AC51A15 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:41:26 AM Sample Weight: 10.45
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	567703	23.902	TCX	2.614	2765929	19.144	TCX
6.614	410456	28.538	DCB	6.109	2371339	23.289	DCB

Files:
Area File: 20pcbs17137007.078.RAW
Area File: 20pcbs17137007B.078.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 10:50:07 AM
File Reported On: 5/25/2017 at 10:50:16 AM

9001121ACF DF5 AC51A15 T 171430031A 10225 SW-846 8082

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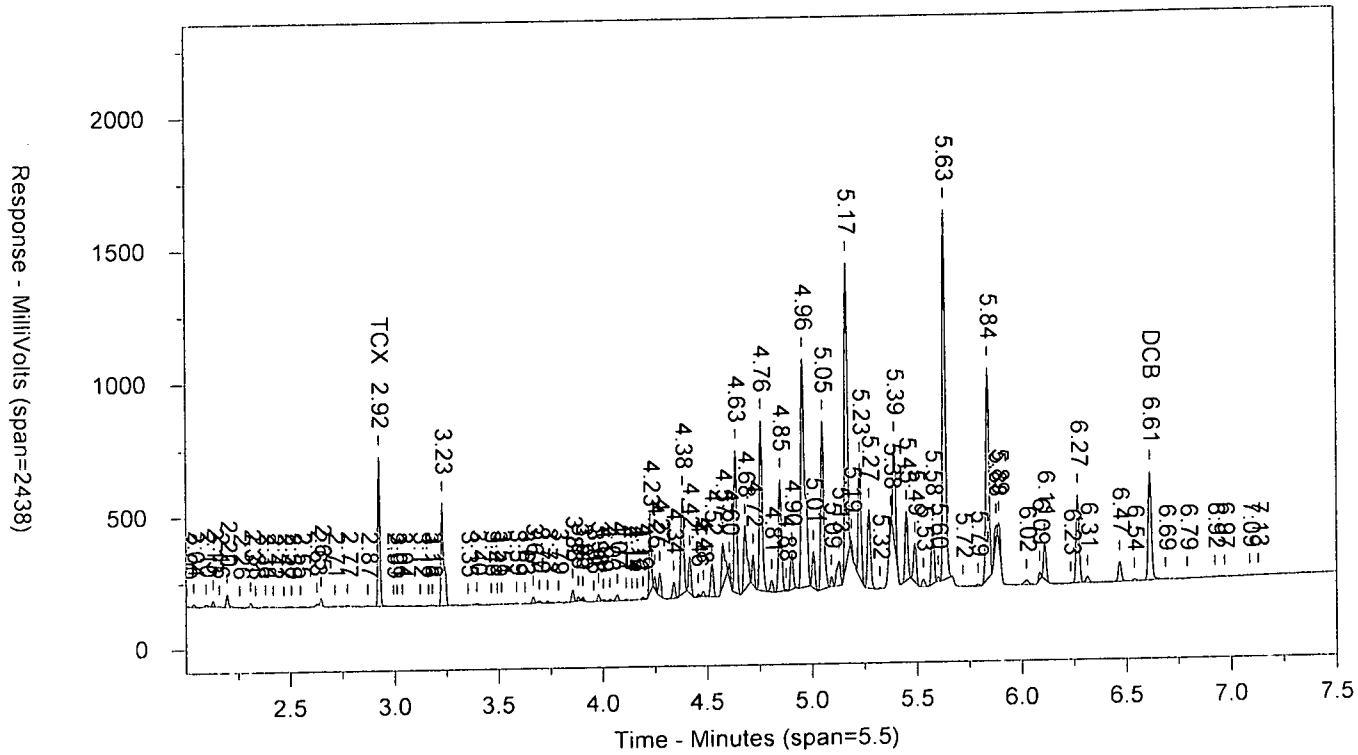

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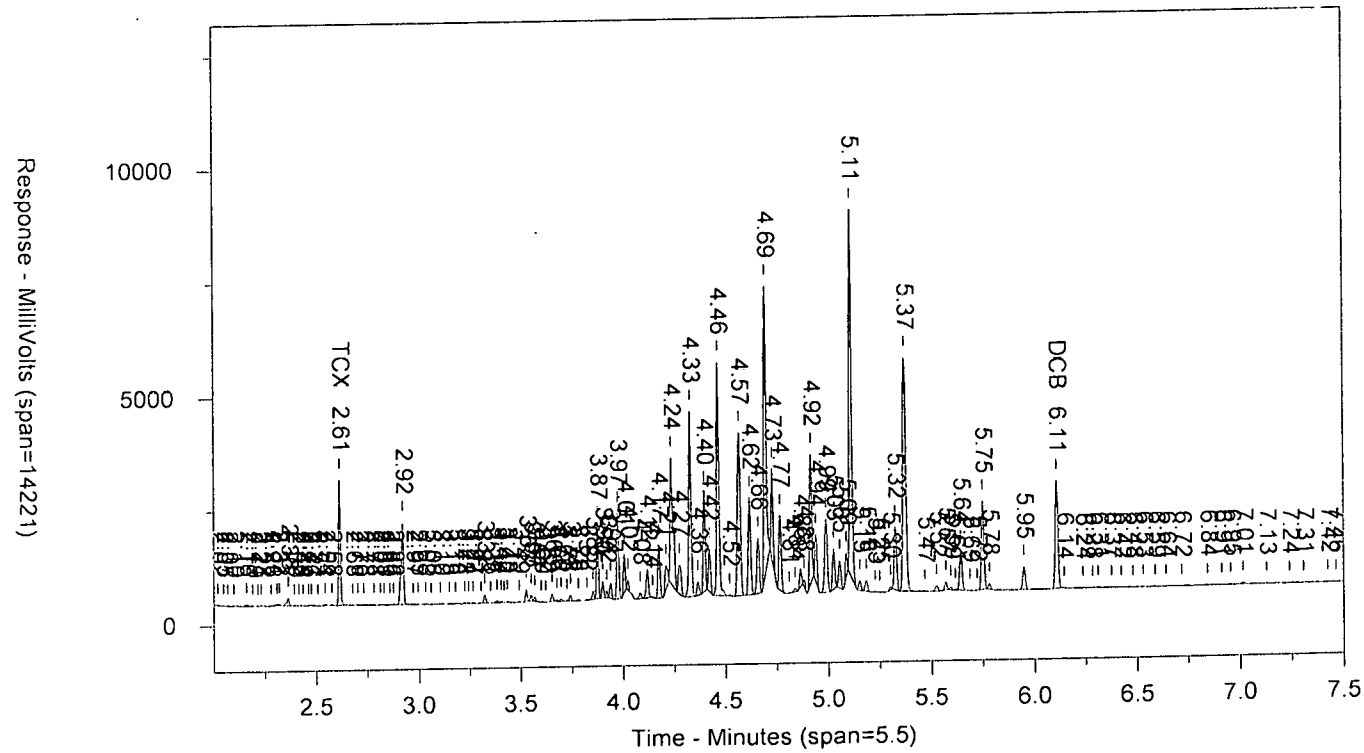

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Data Summary

Sample Name: 9001122 ACF 51A16 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.05 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 10:52:55
Instrument	17342A
Result file	20PCBS17137007.079.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 100% (61 - 152) Conc: 29.16215
%SSR(DCB) 103% (48 - 164) Conc: 30.11341

Analysis Report (B)

Injected on	May 25, 2017 10:52:55
Instrument	17342B
Result file	20PCBS17137007B.079.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 84% (61 - 152) Conc: 24.40754
%SSR(DCB) 100% (48 - 164) Conc: 29.10865

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3330572	29.16215
Decachlorobiphenyl	6.58	6.61	6.64	2082658	30.11341

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	16957510	24.40754
Decachlorobiphenyl	6.08	6.11	6.14	14252010	29.10865

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	29.16215				17.75	
☑	Decachlorobiphenyl	A	30.11341				3.39	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.53**	
4.73	4.76	4.77	837675.6	198.884568			1
5.20	5.23	5.24	547916.3	201.072323			3
5.37	5.39	5.41	454001.3	146.018907			4
5.61	5.63	5.65	1920633	254.827279			5
5.82	5.84	5.86	1076207	254.181836			6

Height summation: **4836433.2**
Concentration CF: **210.996983** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.40**	
4.31	4.33	4.35	5717406	201.495188			1
4.44	4.46	4.48	7924918	236.836951			2
4.55	4.57	4.59	5397304	200.479144			3
4.90	4.92	4.94	3972493	191.960337			4
5.09	5.11	5.13	11587660	246.73756			5
5.35	5.37	5.39	7202804	229.267808			6

Height summation: 41802585
Concentration CF: 217.796165 L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<50.7463	<9.8507			4	
☑	PCB-1221			<50.7463	<15.2239			3	
☑	PCB-1232			<50.7463	<12.2388			4	
☑	PCB-1242			<50.7463	<12.2388			4	
☑	PCB-1248			<50.7463	<9.8507			4	
☑	PCB-1254			<50.7463	<13.1343			4	
☑	PCB-1260	B	217.796165	50.7463	11.6418		3.17	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001122** ACF 51A16 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.05 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:52:55
Instrument : CP20--17342A
Result file : 20PCBS17137007.079.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 100% (61-152) Conc.: 29.16215
%SSR(DCB) : 103% (48-164) Conc.: 30.11341

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	134.45	
3.16	3.19	3.20	3172.777	1.53859			1
3.37	3.40	3.41	5611.557	2.664966			2
3.49	3.51	3.53	3880.321	1.636817			3
3.71	3.73	3.75	11797.5	4.491691			4
3.76	3.79	3.80	6169.025	2.871598			5
3.96	3.98	4.00	37067.48	21.519001			6
Height Summation:			67698.66				
Amount Avg CF:			5.787111	Linear:			
Aroclor-1221					3	77.34	
3.06	3.07	3.10	2651.547	2.684205			1
3.11	3.12	3.15	5288.855	6.193083			2
3.16	3.19	3.20	3172.777	1.150024			3
Height Summation:			11113.179				
Amount Avg CF:			3.342438	Linear:			
Aroclor-1232					6	145.55	
3.16	3.19	3.20	3172.777	1.282065			1
3.38	3.40	3.42	5611.557	5.635215			2
+ 3.38	3.41	3.42	1338.968	1.344613			2
3.49	3.51	3.53	3880.321	3.551328			3
3.71	3.73	3.75	11797.5	9.953229			4
3.77	3.79	3.81	6169.025	6.638684			5
3.96	3.98	4.00	37067.48	51.602335			6
Height Summation:			67698.66				
Amount Avg CF:			13.110476	Linear:			
Aroclor-1242					6	135.85	
3.16	3.19	3.20	3172.777	1.79599			1
3.38	3.40	3.42	5611.557	3.21678			2
+ 3.38	3.41	3.42	1338.968	0.767553			2
3.49	3.51	3.53	3880.321	2.031392			3
3.71	3.73	3.75	11797.5	5.490144			4
3.77	3.79	3.81	6169.025	3.666712			5
3.96	3.98	4.00	37067.48	26.950666			6
Height Summation:			67698.66				
Amount Avg CF:			7.191948	Linear:			
Aroclor-1248					6	162.65	
3.76	3.79	3.80	6169.025	5.289045			1
3.83	3.85	3.87	62726.85	29.571835			2
3.96	3.98	4.00	37067.48	14.838423			3
4.05	4.07	4.09	31901.27	15.36202			4
4.23	4.23	4.27	257627.4	104.726331			5
+ 4.23	4.25	4.27	70827.93	28.791771			5
4.61	4.63	4.65	731237	405.495174			6
Height Summation:			1126729.025				
Amount Avg CF:			95.880471	Linear:			
Aroclor-1254					6	76.12	
4.21	4.23	4.25	257627.4	88.823748			1
4.55	4.57	4.59	255467.5	87.643295			2
4.61	4.63	4.65	731237	124.209893			3
4.73	4.76	4.77	837675.6	474.051547			4
4.83	4.85	4.87	673515.5	173.120662			5
5.14	5.17	5.18	1686028	421.889579			6
Height Summation:			4441551				
Amount Avg CF:			228.289787	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:52:55
Instrument : CP20--17342B
Result file : 20PCBS17137007B.079.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 84% (61-152) Conc.: 24.40754
%SSR(DCB) : 100% (48-164) Conc.: 29.10865

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	93.97	
+ 3.21	3.22	3.25	25530.8	1.80783			2
3.21	3.24	3.25	47977.96	3.397308			2
3.40	3.40	3.44	28361.79	1.998637			3
+ 3.40	3.42	3.44	17917.09	1.262606			3
+ 3.40	3.43	3.44	23749.81	1.673634			3
3.47	3.49	3.51	38662.21	2.303833			4
3.63	3.65	3.67	248664.9	17.636155			5
+ 3.72	3.72	3.76	48621.02	4.024246			6
3.72	3.74	3.76	171142.3	14.165041			6
Height Summation:			534809.16				
Amount Avg CF:			7.900195	Linear:			
Aroclor-1221					2	0.55	
2.77	2.78	2.81	50783.84	8.467665			1
2.83	2.83	2.87	31061.84	8.401793			2
+ 2.83	2.86	2.87	5060.022	1.368665			2
Height Summation:			81845.68				
Amount Avg CF:			8.434729	Linear:			
Aroclor-1232					5	94.47	
+ 3.21	3.22	3.25	25530.8	3.804849			2
3.21	3.24	3.25	47977.96	7.150145			2
3.40	3.40	3.44	28361.79	4.724428			3
+ 3.40	3.42	3.44	17917.09	2.984579			3
+ 3.40	3.43	3.44	23749.81	3.956177			3
3.47	3.49	3.51	38662.21	5.24204			4
+ 3.66	3.67	3.70	59761.19	29.669963			5
3.66	3.70	3.70	80144.55	39.7898			5
3.73	3.74	3.77	171142.3	32.408748			6
Height Summation:			366288.81				
Amount Avg CF:			17.863032	Linear:			
Aroclor-1242					5	95.69	
+ 3.21	3.22	3.25	25530.8	2.187812			2
3.21	3.24	3.25	47977.96	4.111378			2
3.40	3.40	3.44	28361.79	2.471482			3
+ 3.40	3.42	3.44	17917.09	1.561317			3
+ 3.40	3.43	3.44	23749.81	2.069588			3
3.47	3.49	3.51	38662.21	2.9478			4
3.64	3.65	3.68	248664.9	23.027289			5
+ 3.64	3.67	3.68	59761.19	5.534107			5
3.73	3.74	3.77	171142.3	17.693373			6
Height Summation:			534809.16				
Amount Avg CF:			10.050264	Linear:			
Aroclor-1248					6	170.25	
3.40	3.40	3.44	28361.79	5.067532			1
+ 3.40	3.42	3.44	17917.09	3.201329			1
+ 3.40	3.43	3.44	23749.81	4.243488			1
3.51	3.53	3.55	380358.5	24.095921			2
3.63	3.65	3.67	248664.9	12.608838			3
+ 3.72	3.72	3.76	48621.02	3.414353			4
3.72	3.74	3.76	171142.3	12.018265			4
3.86	3.87	3.90	1927592	71.465895			5
4.22	4.23	4.26	4177762	350.323092			6
Height Summation:			6933881.49				
Amount Avg CF:			79.263257	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001122** ACF 51A16 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.05 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:52:55
Instrument : CP20--17342A
Result file : 20PCBS17137007.079.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	37.85	
4.73	4.76	4.77	837675.6	198.884568			1
5.03	5.05	5.07	966258.9	415.198461			2
5.20	5.23	5.24	547916.3	201.072323			3
+ 5.37	5.38	5.41	42170.34	13.563104			4
5.37	5.39	5.41	454001.3	146.018907			4
5.61	5.63	5.65	1920633	254.827279			5
5.82	5.84	5.86	1076207	254.181836			6
Height Summation:			**5802692.1**				
Amount Avg CF:			**245.030562**	Linear:			
Aroclor-1262					6	49.04	
5.21	5.23	5.24	547916.3	109.208627			1
+ 5.37	5.38	5.41	42170.34	10.404355			2
5.37	5.39	5.41	454001.3	112.01216			2
5.61	5.63	5.65	1920633	196.055828			3
5.81	5.84	5.85	1076207	198.784912			4
5.87	5.88	5.91	74548.88	27.796276			5
+ 5.87	5.89	5.91	57119.75	21.297655			5
6.25	6.27	6.29	445195.3	136.443624			6
Height Summation:			**4518501.78**				
Amount Avg CF:			**130.050238**	Linear:			
Aroclor-1268					6	122.03	
5.81	5.84	5.85	1076207	89.394762			1
5.87	5.88	5.91	74548.88	7.097163			2
+ 5.87	5.89	5.91	57119.75	5.437884			2
6.00	6.02	6.04	41714.41	4.258911			3
6.07	6.09	6.11	45902.48	20.441804			4
6.25	6.27	6.29	445195.3	110.042688			5
6.45	6.47	6.49	114603.1	3.619779			6
Height Summation:			**1798171.17**				
Amount Avg CF:			**39.142518**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:52:55
Instrument : CP20--17342B
Result file : 20PCBS17137007B.079.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	72.71	
4.16	4.17	4.19	1877911	89.38075			1
4.22	4.23	4.26	4177762	112.065772			2
4.31	4.33	4.35	5717406	329.686159			3
4.38	4.40	4.42	3701445	147.699815			4
4.44	4.46	4.48	7924918	549.136243			5
4.60	4.62	4.64	3708188	210.913308			6
Height Summation:			**27107630**				
Amount Avg CF:			**239.813675**	Linear:			
Aroclor-1260					6	10.40	
4.31	4.33	4.35	5717406	201.495188			1
4.44	4.46	4.48	7924918	236.836951			2
4.55	4.57	4.59	5397304	200.479144			3
4.90	4.92	4.94	3972493	191.960337			4
5.09	5.11	5.13	11587660	246.73756			5
5.35	5.37	5.39	7202804	229.267808			6
Height Summation:			**41802585**				
Amount Avg CF:			**217.796165**	Linear:			
Aroclor-1262					6	34.61	
4.71	4.73	4.75	2927578	89.873216			1
4.90	4.92	4.94	3972493	122.594822			2
5.09	5.11	5.13	11587660	188.006594			3
5.31	5.32	5.35	1923141	75.300645			4
5.35	5.37	5.39	7202804	175.214729			5
5.73	5.75	5.77	2828690	127.146268			6
Height Summation:			**30442366**				
Amount Avg CF:			**129.689379**	Linear:			
Aroclor-1268					6	113.66	
5.31	5.32	5.35	1923141	23.120984			1
5.35	5.37	5.39	7202804	85.530226			2
5.51	5.52	5.55	277447.2	3.834845			3
5.57	5.59	5.61	216197.8	12.359616			4
5.73	5.75	5.77	2828690	99.788794			5
5.93	5.95	5.97	718171.5	3.333536			6
Height Summation:			**13166451.5**				
Amount Avg CF:			**37.994667**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50.7463	9.8507		30.88	4	40	
Aroclor-1221			50.7463	15.2239		** 86.48	3	5	
Aroclor-1232			50.7463	12.2388		30.69	4	10	
Aroclor-1242			50.7463	12.2388		33.15	4	30	
Aroclor-1248			50.7463	9.8507		18.98	4	40	
Aroclor-1254			50.7463	13.1343		4.92	4	40	
Aroclor-1260			50.7463	11.6418		11.77	4	40	
Aroclor-1262			50.7463	9.8507		0.28	4	40	
Aroclor-1268			50.7463	9.8507		2.98	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001122ACF AB51A16 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:52:55 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.079.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.003		1651	875
2.037		9486	8338
2.097		20459	24623
2.13		99535	65648
2.154		3055	3336
2.197		54359	36419
2.218		11377	7469
2.284		1542	664
2.309		37560	24459
2.329		4708	2648
2.387		14001	13926
2.419		1785	965
2.443		2192	1514
2.508		1854	1891
2.564		4197	5957
2.601		1055	987
2.626		3746	2261
2.647		31311	20656
2.705		1016	1011
2.732		2817	2041
2.757		1153	794
2.794		1553	1953
2.826		3923	2988
2.871		3019	3649
2.924	TCX	3330572	2156789
3.01		1390	914
3.037		9749	6283
3.066		2652	3202
3.107		1959	952
3.123		5289	3020
3.16		1514	984
3.189		3173	4407
3.229		484475	422624
3.396		5612	4963
3.415		1339	681
3.466		2108	2820
3.513		3880	2368
3.554		829	538
3.586		9416	6470
3.624		1064	1035
3.656		4275	2947
3.695		10962	12396
3.732		11798	10593
3.787		6169	6006
3.825		973	796
3.855		62727	46347
3.882		21635	16101
3.904		16965	9572
3.978		37067	26307
4.002		6848	4362
4.033		9824	6980
4.069		31901	30860
4.11		8340	7110
4.139		2495	1657

RT A	Compound A	Height A	Area A
4.157		1428	1013
4.191		10484	8178
4.227		257627	194252
4.248		70828	39513
4.271		125249	99653
4.339		86814	74246
4.382		503847	488331
4.416		202720	165039
4.455		16087	11497
4.479		26683	19900
4.522		181515	171044
4.572		255468	257408
4.604		100384	65158
4.635		731237	650719
4.68		309526	342970
4.718		151823	119431
4.757		837676	797761
4.807		73390	65832
4.849		673516	649648
4.878		11467	6355
4.904		173375	159179
4.93		5891	2519
4.957		1224561	1521585
5.006		166318	147477
5.049		966259	946952
5.092		60231	41549
5.128		126456	164438
5.166		1686028	1552904
5.188		69194	31893
5.227		547916	491722
5.27		402180	395608
5.32		3080	3081
5.377		42170	46619
5.392		454001	378422
5.451		328762	357528
5.49		202729	185619
5.53		43739	41517
5.576		335371	304390
5.603		25160	14889
5.632		1920633	1911112
5.718		2557	2058
5.748		7805	7560
5.839		1076207	1091364
5.877		74549	83930
5.888		57120	65407
6.024		41714	50953
6.087		45902	33513
6.11		166918	150454
6.177		3054	3385
6.236		2567	1981
6.268		445195	437400
6.313		32180	30748
6.468		114603	114011
6.505		3076	2927
6.613	DCB	2082658	2301050
6.774		1182	1237
6.921		1694	2102
6.964		738	837
7.011		606	621
7.084		2163	2210
7.132		2480	3605
7.235		1152	1959
7.781		5544	8675
8.027		5437	9700

LANCASTER LABORATORIES

Sample Number: 9001122ACF AB51A16 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:52:55 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.079.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.051		23529	12814
2.068		11348	7526
2.113		96237	88657
2.158		31292	30391
2.185		16499	12229
2.211		8100	5451
2.231		17239	18687
2.283		6994	7059
2.297		6107	2153
2.31		21020	21331
2.363		172743	156740
2.395		12448	7567
2.417		6241	3551
2.433		21296	17150
2.463		7180	3270
2.477		9295	8603
2.51		7640	5739
2.538		17235	20851
2.573		7016	5863
2.614	TCX	16957510	9809574
2.676		4855	1867
2.707		10815	14716
2.732		16652	13538
2.784		50784	33617
2.812		10194	6569
2.832		31062	21706
2.862		5060	2627
2.921		2389461	1721674
2.947		18376	9398
2.97		5811	3211
2.995		13444	17218
3.033		17733	12897
3.067		2924	1385
3.09		5540	4583
3.105		17025	12083
3.148		11414	7548
3.177		6056	4429
3.197		9646	6350
3.224		25531	16857
3.243		47978	24901
3.262		26209	16373
3.319		40699	39086
3.352		3133	1178
3.383		51817	38087
3.403		28362	13912
3.418		17917	9061
3.433		23750	10676
3.491		38662	28527
3.525		380359	230884
3.549		208060	111590
3.566		133994	69491
3.651		248665	155227
3.674		59761	33072
3.696		80145	56758

RT B	Compound B	Height B	Area B
3.725		48621	24705
3.74		171142	96178
3.779		52159	47504
3.823		53544	54152
3.852		301235	177148
3.874		1927592	1237200
3.899		631374	373057
3.918		201137	102887
3.937		458201	289709
3.972		2816256	1877168
4.005		1343361	887321
4.022		265549	120488
4.083		176767	143555
4.117		983583	742075
4.14		29456	27546
4.174		1877911	1351824
4.208		816240	698766
4.235		4177763	3912255
4.274		875157	868752
4.327		5717406	4485840
4.364		491984	392103
4.396		3701445	2663620
4.42		1364114	915088
4.463		7924918	6104558
4.517		27745	20172
4.565		5397304	5108157
4.615		3708189	2955977
4.657		1796588	1496203
4.694		9972876	8258764
4.726		2927578	1946614
4.764		2427744	1873688
4.838		472065	403646
4.864		521765	329113
4.88		241255	137155
4.915		3972493	3037652
4.939		1681077	1135067
4.989		2346453	2033115
5.025		1264315	1017278
5.054		886093	725632
5.086		848510	546692
5.109		11587660	9196322
5.15		236698	172412
5.182		413208	350691
5.223		6423	3942
5.246		15246	10492
5.281		5515	3646
5.3		106437	64144
5.324		1923141	1527244
5.368		7202804	7646261
5.421		9576	12534
5.47		7931	8847
5.525		277447	239282
5.569		249061	188066
5.593		216198	153938
5.614		16175	7855
5.642		1244048	1046544
5.68		5949	5926
5.722		21357	13814
5.749		2828690	2336628
5.78		178413	134775
5.948		718172	612549
5.98		3648	2183
6.061		3278	1832
6.107	DCB	14252010	12022710
6.141		16337	11448
6.282		13583	10103

RT B	Compound B	Height B	Area B
6.309		20022	15923
6.372		8722	11641
6.476		3015	3003
6.529		19287	19516
6.584		22226	20879
6.644		3303	3225
6.736		2337	1892
6.785		3862	3927
6.906		2200	2748
6.952		4291	5849
7.011		35243	37065
7.127		4360	6766
7.235		2014	1760
7.304		2966	4174
7.421		2058	1106
7.468		4814	6893
7.554		28095	34575
7.602		4258	6385
7.838		4672	8789
7.925		2050	2037
8.045		2371	3122
8.133		2247	4601
8.214		18537	32278
8.431		3119	4339

9001122ACF AB51A16 T 171430031A 10225 SW-846 8082

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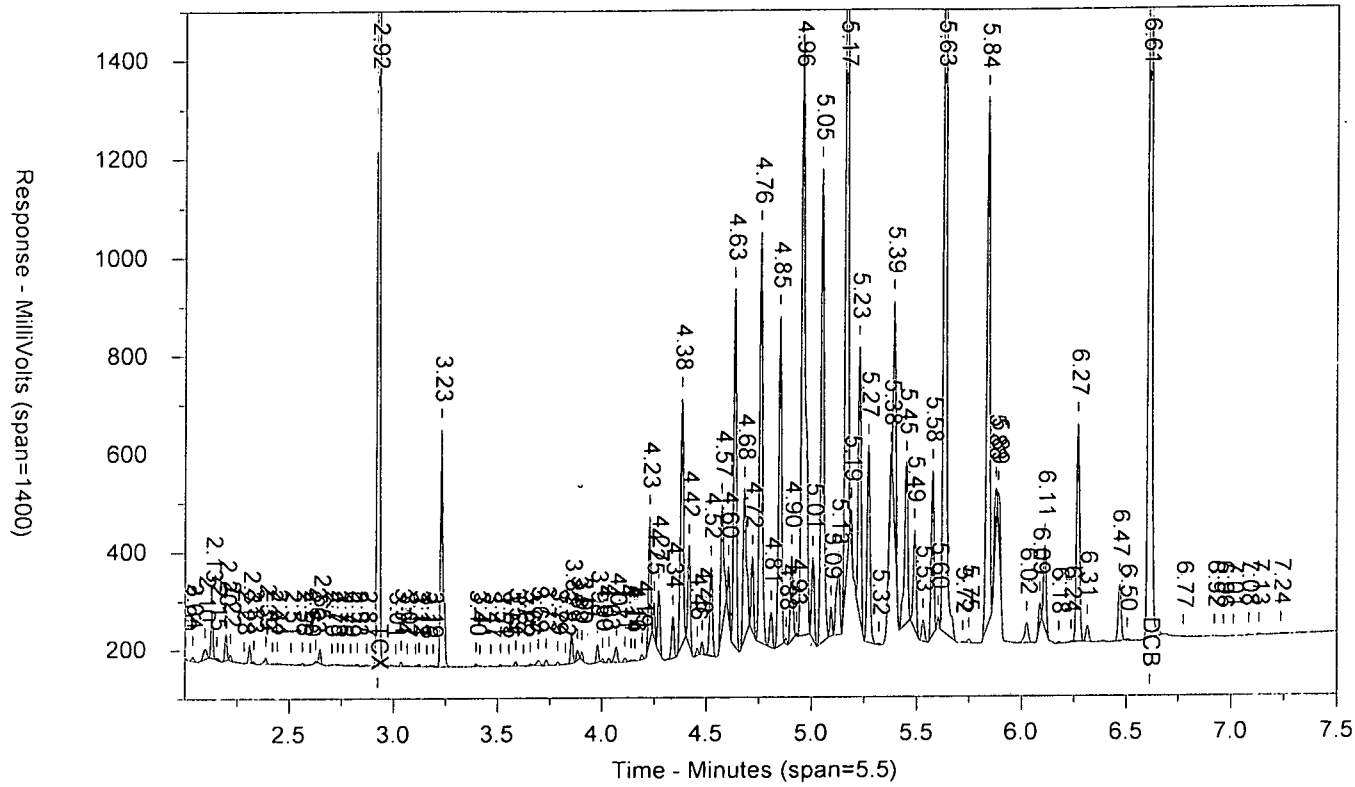

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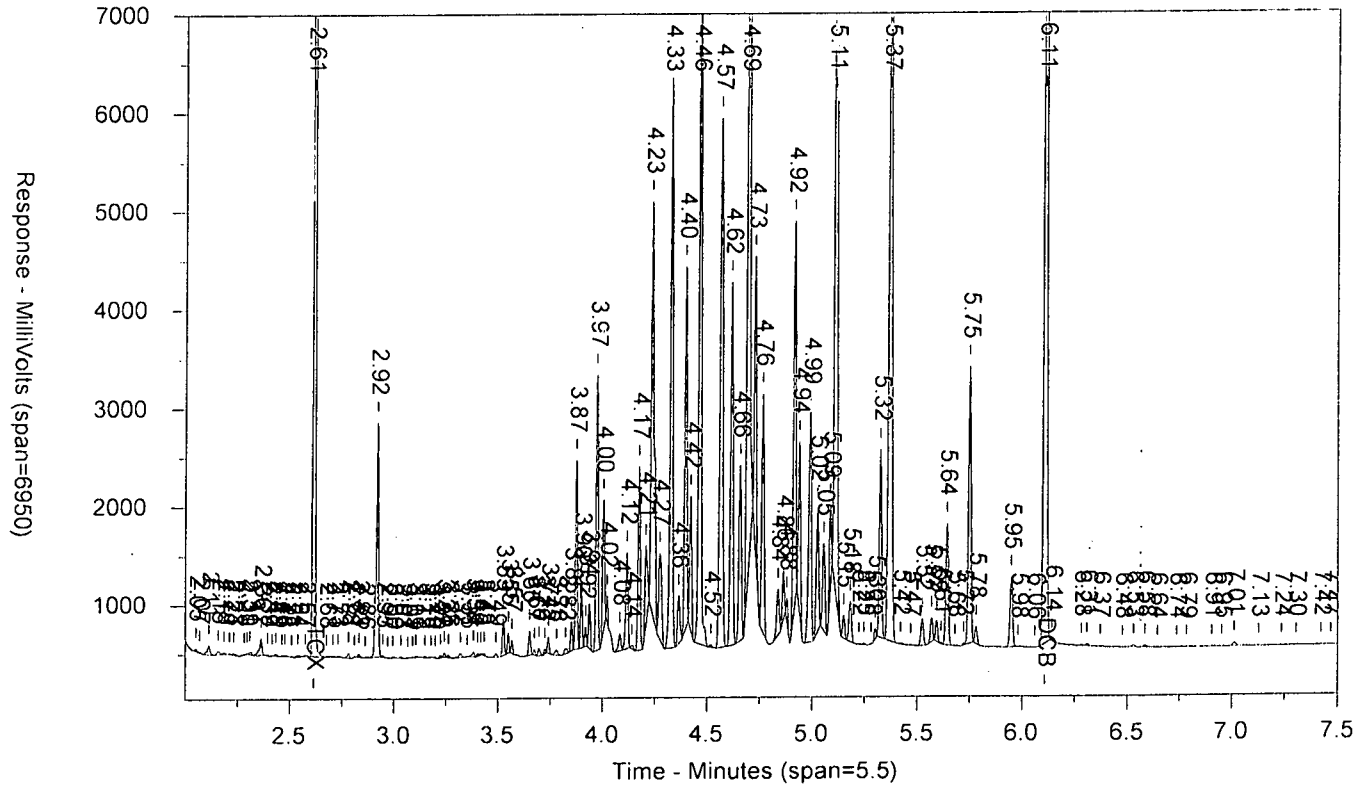

LANCASTER LABORATORIES

Sample Number: 9001122ACF AB51A16 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:52:55 AM Sample Weight: 10.05
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3330572	29.162	TCX	2.614	16957510	24.408	TCX
6.613	2082658	30.113	DCB	6.107	14252010	29.109	DCB

Files:
Area File: 20pcbs17137007.079.RAW
Area File: 20pcbs17137007B.079.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 11:01:37 AM
File Reported On: 5/25/2017 at 11:01:42 AM

9001122ACF AB51A16 T 171430031A 10225 SW-846 8082

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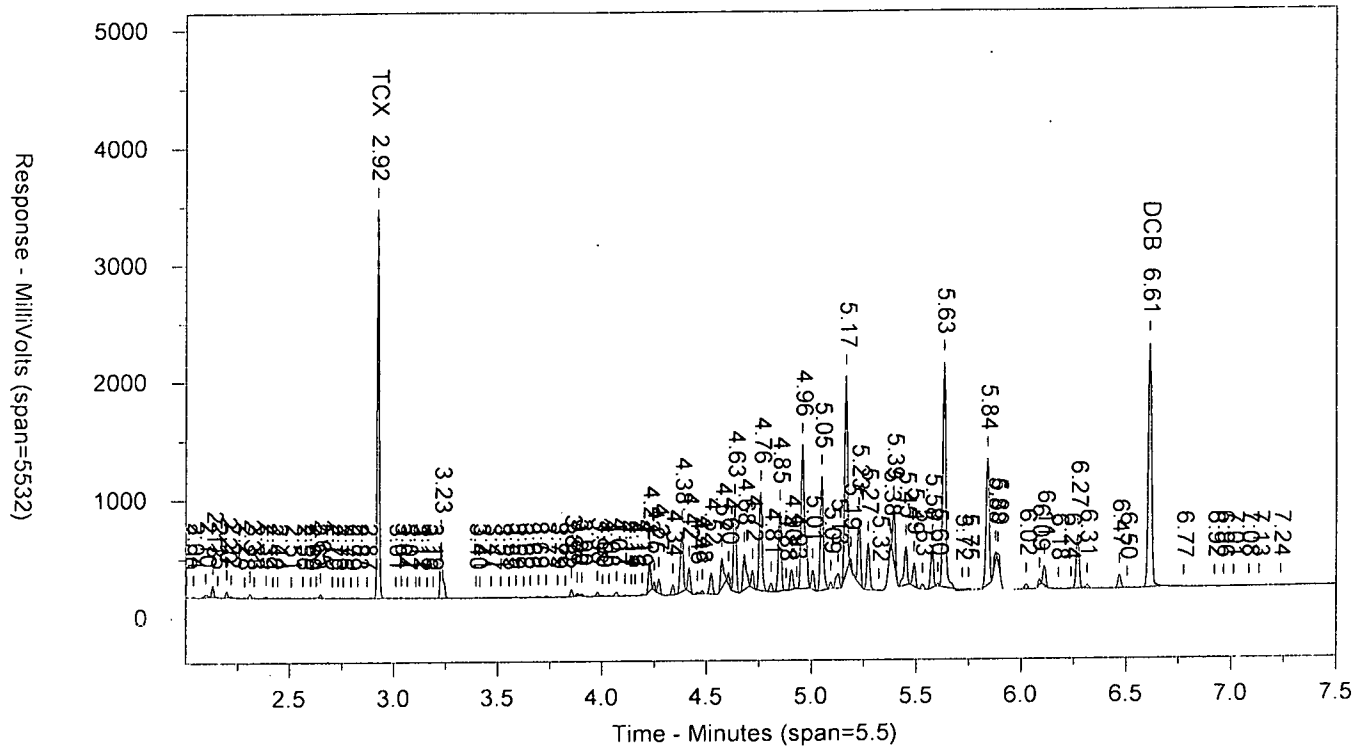

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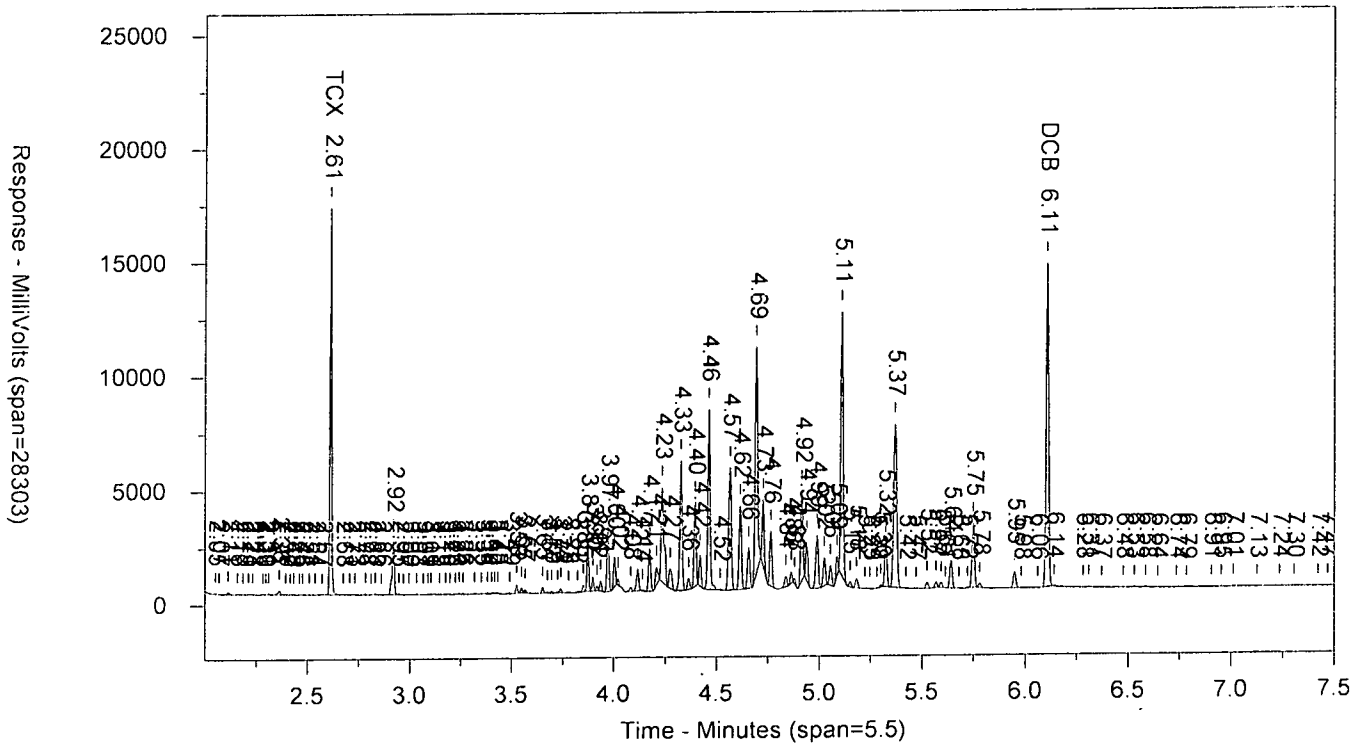

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Data Summary

Sample Name: 9001123 ACF DF5 51A17 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.25 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 11:04:26
Instrument	17342A
Result file	20PCBS17137007.080.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 109% (61 - 152) Conc: 31.09084
%SSR(DCB) 120% (48 - 164) Conc: 34.22243

Analysis Report (B)

Injected on	May 25, 2017 11:04:26
Instrument	17342B
Result file	20PCBS17137007B.080.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 109% (61 - 152) Conc: 31.13094
%SSR(DCB) 110% (48 - 164) Conc: 31.30141

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	724302	31.09084
Decachlorobiphenyl	6.58	6.62	6.64	482788	34.22243

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	4411824	31.13094
Decachlorobiphenyl	6.08	6.11	6.14	3126122	31.30141

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	31.09084				0.13	
☑ Decachlorobiphenyl	A	34.22243				8.92	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.83**	
4.73	4.76	4.77	675765.6	786.562981			1
5.20	5.23	5.24	460391.8	828.281297			3
5.37	5.39	5.41	391253.5	616.910885			4
5.61	5.63	5.65	1340996	872.250473			5
5.82	5.84	5.86	773909.9	896.089322			6

Height summation: **3642316.8**
Concentration CF: **800.018992** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**4.98**	
4.31	4.33	4.35	5273330	911.093182			1
4.44	4.46	4.48	6453286	945.470098			2
4.55	4.57	4.59	4771372	868.855987			3
4.90	4.92	4.94	3492728	827.418694			4
5.09	5.11	5.13	8752016	913.607857			5
5.35	5.37	5.39	6011239	938.032049			6

Height summation: 34753971
Concentration CF: 900.746311 L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<248.7805	<48.2927			4	
☑ PCB-1221			<248.7805	<74.6341			3	
☑ PCB-1232			<248.7805	<60			4	
☑ PCB-1242			<248.7805	<60			4	
☑ PCB-1248			<248.7805	<48.2927			4	
☑ PCB-1254			<248.7805	<64.3902			4	
☑ PCB-1260	B	900.746311	248.7805	57.0732		11.84	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001123** ACF DF5 51A17 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.25 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 11:04:26
Instrument : CP20--17342A
Result file : 20PCBS17137007.080.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 109% (61-152) Conc.: 31.09084 Bods
%SSR(DCB) : 120% (48-164) Conc.: 34.22243

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**143.93**	
3.16	3.19	3.20	3695.049	8.784474			1
3.37	3.40	3.41	2044.16	4.759216			2
3.49	3.51	3.53	1436.197	2.970016			3
3.71	3.73	3.75	10560.02	19.710462			4
3.76	3.79	3.80	4655.387	10.623682			5
3.96	3.98	4.00	30309.89	86.263209			6
Height Summation:			**52700.703**				
Amount Avg CF:			**22.185177**	Linear:			
Aroclor-1221					**2**	**7.73**	
3.11	3.12	3.15	1275.972	7.324848			2
3.16	3.19	3.20	3695.049	6.565985			3
Height Summation:			**4971.021**				
Amount Avg CF:			**6.945416**	Linear:			
Aroclor-1232					**6**	**157.04**	
3.16	3.19	3.20	3695.049	7.319861			1
3.38	3.40	3.42	2044.16	10.06362			2
3.49	3.51	3.53	1436.197	6.443908			3
3.71	3.73	3.75	10560.02	43.676812			4
3.77	3.79	3.81	4655.387	24.560286			5
3.96	3.98	4.00	30309.89	206.858253			6
Height Summation:			**52700.703**				
Amount Avg CF:			**49.820457**	Linear:			
Aroclor-1242					**6**	**145.39**	
3.16	3.19	3.20	3695.049	10.254084			1
3.38	3.40	3.42	2044.16	5.74467			2
3.49	3.51	3.53	1436.197	3.685974			3
3.71	3.73	3.75	10560.02	24.091879			4
3.77	3.79	3.81	4655.387	13.565266			5
3.96	3.98	4.00	30309.89	108.037121			6
Height Summation:			**52700.703**				
Amount Avg CF:			**27.563166**	Linear:			
Aroclor-1248					**6**	**172.46**	
3.76	3.79	3.80	4655.387	19.567202			1
3.83	3.86	3.87	52655.88	121.698119			2
3.96	3.98	4.00	30309.89	59.482777			3
4.05	4.07	4.09	26902.46	63.510355			4
4.23	4.23	4.27	200390.4	399.349321			5
+ 4.23	4.25	4.27	112725.3	224.645352			5
4.61	4.63	4.65	706808.9	1921.505987			6
Height Summation:			**1021722.917**				
Amount Avg CF:			**430.852293**	Linear:			
Aroclor-1254					**6**	**67.45**	
4.21	4.23	4.25	200390.4	338.708547			1
4.55	4.57	4.59	260406.6	437.972886			2
4.61	4.63	4.65	706808.9	588.589131			3
4.73	4.76	4.77	675765.6	1874.813118			4
4.83	4.85	4.87	673031.2	848.103212			5
5.14	5.17	5.18	1289832	1582.265517			6
Height Summation:			**3806234.7**				
Amount Avg CF:			**945.075402**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 11:04:26
Instrument : CP20--17342B
Result file : 20PCBS17137007B.080.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 109% (61-152) Conc.: 31.13094
%SSR(DCB) : 110% (48-164) Conc.: 31.30141

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**103.67**	
+ 3.21	3.23	3.25	12492.78	4.33675			2
3.21	3.24	3.25	13329.05	4.627053			2
+ 3.40	3.40	3.44	9564.924	3.304411			3
3.40	3.42	3.44	29920.85	10.336808			3
3.47	3.49	3.51	41204.73	12.037146			4
3.63	3.65	3.67	238510.8	82.92962			5
+ 3.72	3.73	3.76	65243.27	26.473319			6
3.72	3.74	3.76	168436.3	68.345256			6
Height Summation:			**491401.73**				
Amount Avg CF:			**35.655177**	Linear:			
Aroclor-1221					**2**	**42.92**	
2.77	2.78	2.81	36144.2	29.545338			1
2.83	2.84	2.87	11905.02	15.786546			2
Height Summation:			**48049.22**				
Amount Avg CF:			**22.665942**	Linear:			
Aroclor-1232					**6**	**116.24**	
2.88	2.88	2.92	10585.97	3.737981			1
+ 3.21	3.23	3.25	12492.78	9.127342			2
3.21	3.24	3.25	13329.05	9.738329			2
+ 3.40	3.40	3.44	9564.924	7.811049			3
3.40	3.42	3.44	29920.85	24.434404			3
3.47	3.49	3.51	41204.73	27.388797			4
+ 3.66	3.67	3.70	34748.16	84.574955			5
3.66	3.70	3.70	66628.02	162.168639			5
+ 3.73	3.73	3.77	65243.27	60.569336			6
3.73	3.74	3.77	168436.3	156.369765			6
Height Summation:			**330104.92**				
Amount Avg CF:			**63.972986**	Linear:			
Aroclor-1242					**6**	**117.82**	
2.88	2.88	2.92	10585.97	5.311188			1
+ 3.21	3.23	3.25	12492.78	5.248279			2
3.21	3.24	3.25	13329.05	5.5996			2
+ 3.40	3.40	3.44	9564.924	4.08618			3
3.40	3.42	3.44	29920.85	12.782325			3
3.47	3.49	3.51	41204.73	15.401767			4
3.64	3.65	3.68	238510.8	108.280082			5
+ 3.64	3.67	3.68	34748.16	15.775108			5
+ 3.73	3.73	3.77	65243.27	33.067488			6
3.73	3.74	3.77	168436.3	85.369192			6
Height Summation:			**501987.7**				
Amount Avg CF:			**38.790693**	Linear:			
Aroclor-1248					**6**	**165.99**	
+ 3.40	3.40	3.44	9564.924	8.378313			1
3.40	3.42	3.44	29920.85	26.208912			1
3.51	3.53	3.55	379794.4	117.95359			2
3.63	3.65	3.67	238510.8	59.289915			3
+ 3.72	3.73	3.76	65243.27	22.461167			4
3.72	3.74	3.76	168436.3	57.987221			4
3.86	3.87	3.90	2394642	435.24773			5
4.22	4.24	4.26	4302106	1768.554216			6
Height Summation:			**7513410.35**				
Amount Avg CF:			**410.873597**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001123** ACF DF5 51A17 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.25 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 11:04:26
Instrument : CP20--17342A
Result file : 20PCBS17137007.080.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	47.08	
4.73	4.76	4.77	675765.6	786.562981			1
5.03	5.05	5.07	906590.9	1909.790746			2
5.20	5.23	5.24	460391.8	828.281297			3
+ 5.37	5.38	5.41	59715.66	94.156961			4
5.37	5.39	5.41	391253.5	616.910885			4
5.61	5.63	5.65	1340996	872.250473			5
5.82	5.84	5.86	773909.9	896.089322			6
Height Summation:			**4548907.7**				
Amount Avg CF:			**984.98095**	Linear:			
Aroclor-1262					6	43.40	
5.21	5.23	5.24	460391.8	449.86531			1
+ 5.37	5.38	5.41	59715.66	72.228486			2
5.37	5.39	5.41	391253.5	473.236803			2
5.61	5.63	5.65	1340996	671.081169			3
5.81	5.84	5.85	773909.9	700.793731			4
+ 5.87	5.88	5.91	42728.46	78.104299			5
5.87	5.89	5.91	62478.73	114.206255			5
6.25	6.27	6.29	327110.6	491.484124			6
Height Summation:			**3356140.53**				
Amount Avg CF:			**483.444565**	Linear:			
Aroclor-1268					6	127.07	
5.81	5.84	5.85	773909.9	315.151125			1
+ 5.87	5.88	5.91	42728.46	19.9422			2
5.87	5.89	5.91	62478.73	29.160034			2
6.00	6.02	6.04	18365.14	9.192187			3
6.07	6.09	6.11	24549.31	53.59627			4
6.25	6.27	6.29	327110.6	396.385206			5
6.45	6.47	6.49	81907.01	12.682911			6
Height Summation:			**1288320.69**				
Amount Avg CF:			**136.027955**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 11:04:26
Instrument : CP20--17342B
Result file : 20PCBS17137007B.080.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	57.66	
4.16	4.17	4.19	2010051	469.016656			1
4.22	4.24	4.26	4302106	565.747444			2
4.31	4.33	4.35	5273330	1490.729454			3
4.38	4.40	4.42	4381458	857.115809			4
4.44	4.46	4.48	6453286	2192.191271			5
4.60	4.61	4.64	4122027	1149.384332			6
Height Summation:			**26542258**				
Amount Avg CF:			**1120.697494**	Linear:			
Aroclor-1260					6	4.98	
4.31	4.33	4.35	5273330	911.093182			1
4.44	4.46	4.48	6453286	945.470098			2
4.55	4.57	4.59	4771372	868.855987			3
4.90	4.92	4.94	3492728	827.418694			4
5.09	5.11	5.13	8752016	913.607857			5
5.35	5.37	5.39	6011239	938.032049			6
Height Summation:			**34753971**				
Amount Avg CF:			**900.746311**	Linear:			
Aroclor-1262					6	30.24	
4.71	4.73	4.75	2608810	392.623654			1
4.90	4.92	4.94	3492728	528.428159			2
5.09	5.11	5.13	8752016	696.141686			3
5.31	5.32	5.35	1704064	327.103861			4
5.35	5.37	5.39	6011239	716.877931			5
5.73	5.75	5.77	2164994	477.075549			6
Height Summation:			**24733851**				
Amount Avg CF:			**523.041807**	Linear:			
Aroclor-1268					6	118.20	
5.31	5.32	5.35	1704064	100.436896			1
5.35	5.37	5.39	6011239	349.94051			2
5.51	5.53	5.55	125461.2	8.501374			3
5.57	5.59	5.61	90834.02	25.457423			4
5.73	5.75	5.77	2164994	374.425413			5
5.93	5.95	5.97	534194.4	12.155939			6
Height Summation:			**10630786.62**				
Amount Avg CF:			**145.152926**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			248.7805	48.2927		** 46.58	4	40	
Aroclor-1221			248.7805	74.6341		** 106.18	3	5	
Aroclor-1232			248.7805	60		24.87	4	10	
Aroclor-1242			248.7805	60		33.84	4	30	
Aroclor-1248			248.7805	48.2927		4.75	4	40	
Aroclor-1254			248.7805	64.3902		17.00	4	40	
Aroclor-1260			248.7805	57.0732		8.93	4	40	
Aroclor-1262			248.7805	48.2927		7.87	4	40	
Aroclor-1268			248.7805	48.2927		6.49	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001123ACF DF5 AC51A17 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:04:26 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.080.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.036		3478	3872
2.097		11511	14129
2.129		18547	11141
2.197		53444	35853
2.309		25067	16196
2.386		4441	5365
2.423		2814	3194
2.549		1468	934
2.624		1147	617
2.647		28273	18127
2.775		18532	14975
2.829		3512	3305
2.924	TCX	724302	476790
3.037		5819	3503
3.123		1276	807
3.191		3695	4015
3.23		57433	49624
3.364		1790	1448
3.397		2044	1236
3.466		978	719
3.513		1436	768
3.587		6062	4469
3.624		940	575
3.667		3738	2469
3.694		6073	5950
3.731		10560	8807
3.788		4655	3852
3.856		52656	39064
3.884		15080	13658
3.98		30310	22222
4.004		4090	2330
4.035		8245	5459
4.069		26902	27597
4.11		5273	4083
4.139		1021	550
4.158		1887	1753
4.192		10613	8385
4.228		200390	145584
4.249		112725	69562
4.272		120508	86664
4.298		2305	1362
4.34		72015	62704
4.382		453274	438017
4.416		192274	155426
4.457		11229	7671
4.48		23799	17953
4.521		170466	157057
4.574		260407	240011
4.606		103846	65861
4.635		706809	607376
4.68		241716	276556
4.719		138593	109842
4.757		675766	642151
4.808		71288	65600

RT A	Compound A	Height A	Area A
4.849		673031	646611
4.877		7839	4201
4.904		131396	120508
4.93		6603	2955
4.957		952029	1179027
5.006		131802	120180
5.049		906591	870696
5.092		52587	38992
5.129		97462	122396
5.166		1289832	1189313
5.188		52737	25087
5.227		460392	398922
5.271		295370	294109
5.377		59716	56207
5.393		391254	300823
5.451		262879	242419
5.49		141855	126045
5.532		29193	26788
5.576		280426	250234
5.602		19897	11234
5.633		1340996	1310769
5.719		3288	5672
5.797		1446	829
5.839		773910	800504
5.879		42728	48465
5.89		62479	60954
5.992		858	686
6.025		18365	20321
6.089		24549	18392
6.112		137594	119448
6.269		327111	334336
6.315		24102	23327
6.398		1296	1395
6.469		81907	83865
6.616	DCB	482788	492519
6.693		2257	2110
6.897		675	1233
7.499		864	516
8.033		3092	5035
8.681		3425	4984

LANCASTER LABORATORIES

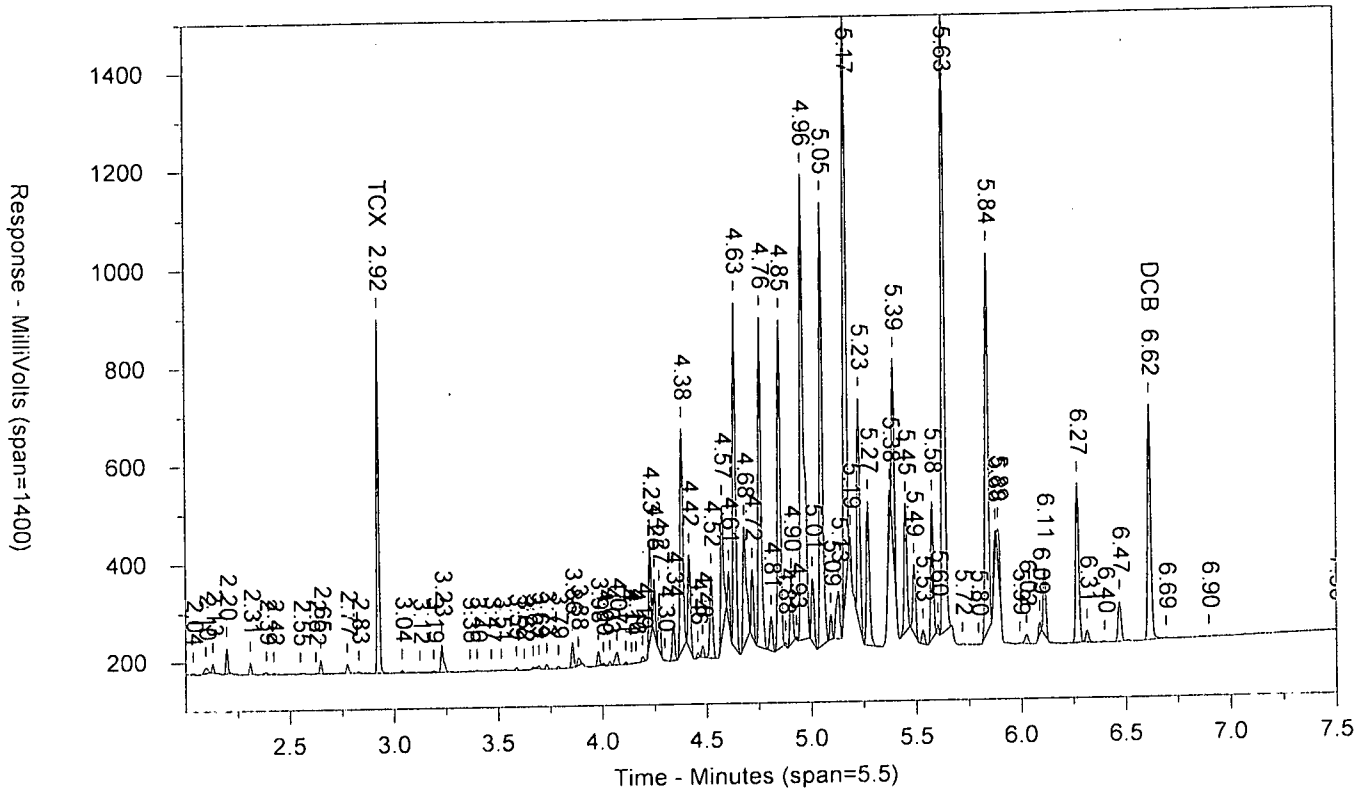
Sample Number: 9001123ACF DF5 AC51A17 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:04:26 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.080.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.052		6555	6007
2.113		28775	19676
2.155		13165	8226
2.183		8220	12186
2.235		21925	29526
2.27		2965	5236
2.316		5206	5059
2.363		178662	119320
2.395		3022	2254
2.411		4485	5276
2.481		7936	11987
2.545		45708	28061
2.59		7622	4828
2.614	TCX	4411824	2554891
2.673		2818	1452
2.7		4278	8621
2.784		36144	19728
2.811		5286	4747
2.843		11905	17128
2.879		10586	7877
2.92		349958	264824
2.948		4705	3506
2.985		11311	9488
3.032		2139	1518
3.105		8929	4478
3.179		14924	16651
3.226		12493	8085
3.242		13329	6562
3.263		35278	22393
3.324		57436	44355
3.353		2908	1001
3.373		10332	4924
3.383		38104	16535
3.404		9565	4305
3.417		29921	26897
3.491		41205	29556
3.526		379794	226490
3.549		192483	110475
3.567		47257	21077
3.585		8277	6763
3.653		238511	148197
3.674		34748	17233
3.696		66628	47480
3.725		65243	31323
3.741		168436	94893
3.78		43591	39841
3.824		60685	60046
3.852		337183	199515
3.875		2394642	1533520
3.9		730534	441934
3.919		195276	96211
3.938		442119	274929
3.973		2892717	1972630
4.005		1532564	1007368

RT B	Compound B	Height B	Area B
4.023		259577	109762
4.084		186817	145176
4.118		1089673	802636
4.145		37904	28261
4.175		2010051	1510612
4.208		954843	746977
4.235		4302106	4080193
4.274		801536	817077
4.327		5273330	4131993
4.364		538638	413795
4.396		4381458	3056348
4.421		1139678	775226
4.463		6453287	4904256
4.487		78908	38324
4.517		15558	13476
4.566		4771372	4623858
4.615		4122027	3277952
4.657		1564140	1340346
4.694		8367734	7043725
4.726		2608811	1754214
4.765		1965767	1527838
4.838		101235	106297
4.864		486181	333088
4.882		229279	130511
4.915		3492729	2659292
4.939		1476376	1038925
4.99		1934050	1719145
5.025		1009042	781723
5.055		706953	582368
5.088		727705	473693
5.11		8752016	7115403
5.151		173956	120376
5.182		316523	261390
5.247		15241	9592
5.281		6674	3775
5.302		89799	55423
5.325		1704065	1419787
5.37		6011239	6243760
5.442		8099	5412
5.47		3969	4150
5.525		125461	110242
5.569		178622	133855
5.593		90834	63883
5.643		983868	852918
5.687		4579	2583
5.749		2164994	1870657
5.78		126627	97450
5.949		534194	492948
6.064		2612	1774
6.108	DCB	3126122	2726332
6.282		8216	6094
6.312		11676	10325
6.532		3927	4612
6.586		4697	5476
6.782		2056	2588
6.953		2875	2572
7.013		4115	5663
7.128		2733	3644
7.425		2364	2667
7.465		3289	4678
7.557		16333	20868
7.603		2280	4667
7.844		4142	6699
7.918		1980	3252
8.217		20433	41758

9001123ACF DF5 AC51A17 T 171430031A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137007.080.RAW



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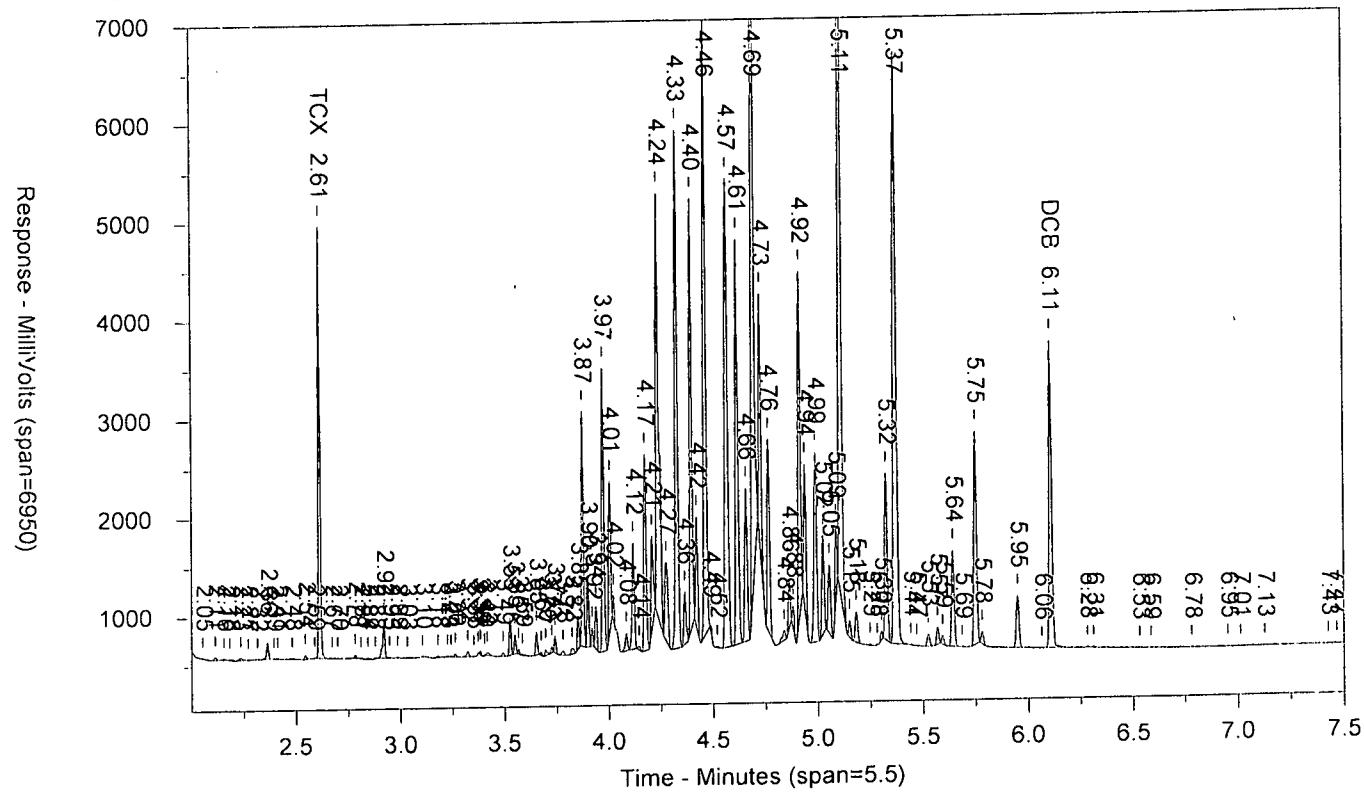


LANCASTER LABORATORIES

Sample Number: 9001123ACF DF5 AC51A17 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:04:26 AM
Sample Weight: 10.25
Dilution Factor: 50
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

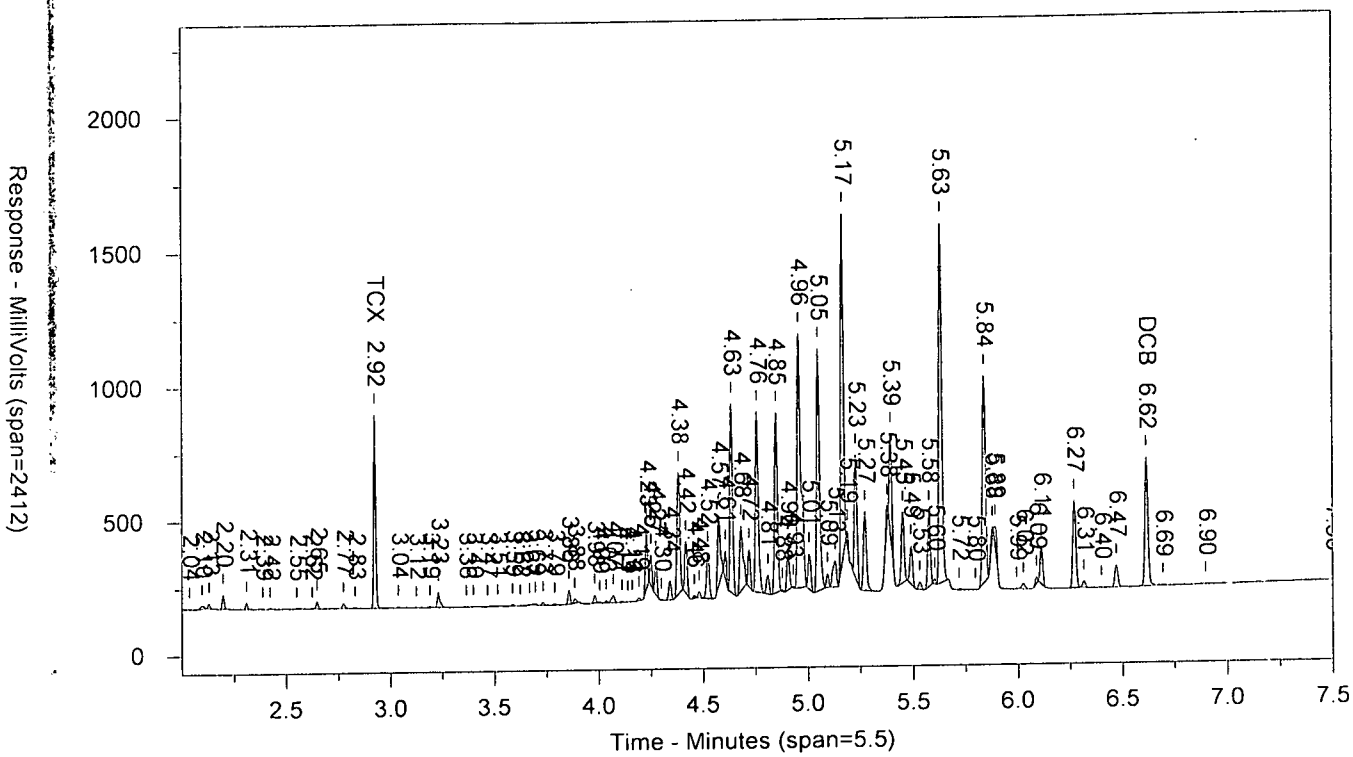
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	724302	31.091	TCX	2.614	4411824	31.131	TCX
6.616	482788	34.222	DCB	6.108	3126122	31.301	DCB

Files:
Area File: 20pcbs17137007.080.RAW
Area File: 20pcbs17137007B.080.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 11:13:10 AM
File Reported On: 5/25/2017 at 11:13:17 AM

9001123ACF DF5 AC51A17 T 171430031A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137007.080.RAW



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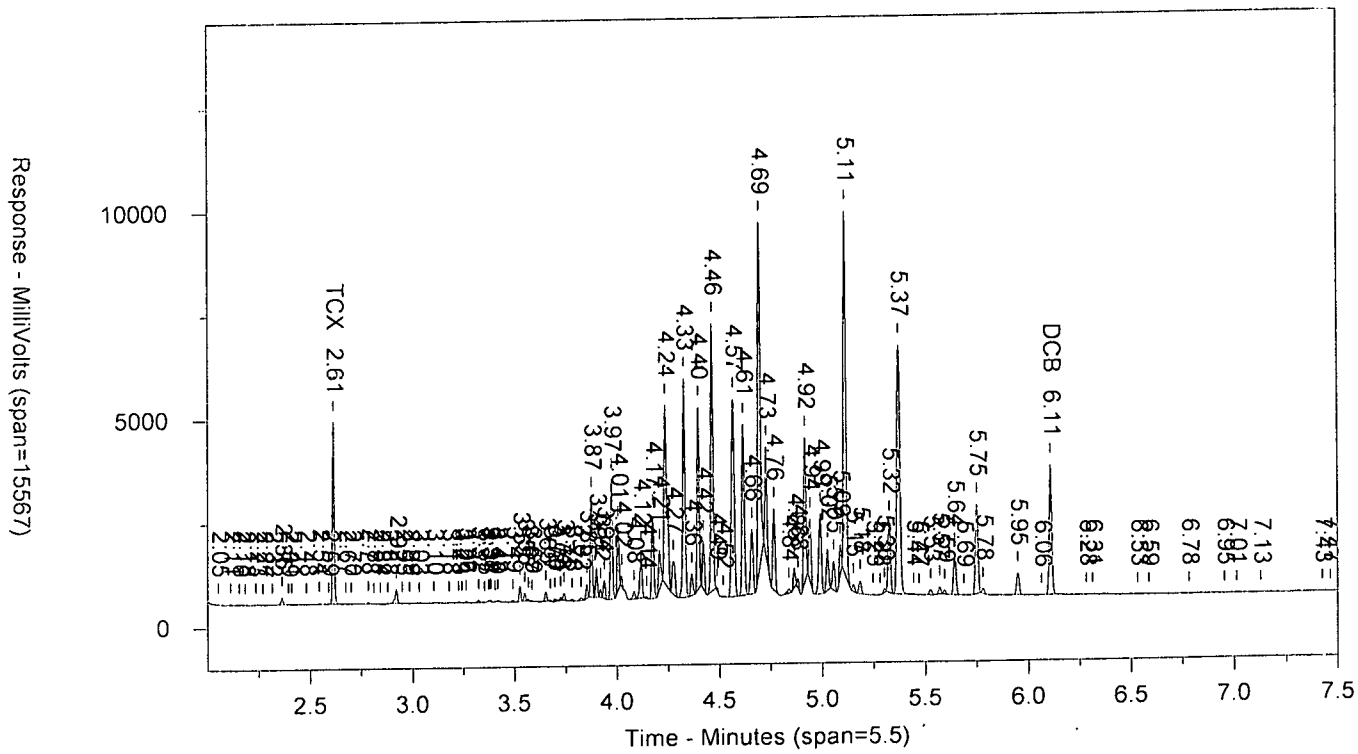

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Data Summary

Sample Name: 9001124 ACF DF10 51A18 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.42 g Total Volume: 100 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 11:15:49
Instrument	17342A
Result file	20PCBS17137007.081.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 108% (61 - 152) Conc: 30.42714
%SSR(DCB) 118% (48 - 164) Conc: 33.23765

Analysis Report (B)

Injected on	May 25, 2017 11:15:49
Instrument	17342B
Result file	20PCBS17137007B.081.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 108% (61 - 152) Conc: 30.19681
%SSR(DCB) 115% (48 - 164) Conc: 32.30131

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	360298	30.42714
Decachlorobiphenyl	6.58	6.61	6.64	238336	33.23765

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	2175208	30.19681
Decachlorobiphenyl	6.08	6.11	6.14	1639744	32.30131

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	30.42714				0.76	
☑ Decachlorobiphenyl	A	33.23765				2.86	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.38**	
4.73	4.76	4.77	810757.4	1856.583498			1
5.20	5.23	5.24	572629.6	2026.796803			3
5.37	5.39	5.41	521026.4	1616.255696			4
5.61	5.63	5.65	1811387	2317.987661			5
5.82	5.84	5.86	992117.5	2260.008915			6

Height summation: **4707917.9**
Concentration CF: **2015.526515** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.68**	
4.31	4.33	4.35	5958916	2025.495359			1
4.44	4.46	4.48	7851954	2263.240853			2
4.55	4.56	4.59	5755663	2061.987462			3
4.90	4.91	4.94	4439886	2069.276493			4
5.09	5.11	5.13	11399650	2341.150766			5
5.35	5.37	5.39	7599728	2333.124276			6

Height summation: 43005797
Concentration CF: 2182.379202 L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<489.4434	<95.0096			4	
☑ PCB-1221			<489.4434	<146.833			3	
☑ PCB-1232			<489.4434	<118.0422			4	
☑ PCB-1242			<489.4434	<118.0422			4	
☑ PCB-1248			<489.4434	<95.0096			4	
☑ PCB-1254			<489.4434	<126.6795			4	
☑ PCB-1260	B	2182.379202	489.4434	112.2841		7.95	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by:
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001124** ACF DF10 51A18 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.42 g Total Volume: 100 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 11:15:49
Instrument : CP20--17342A
Result file : 20PCBS17137007.081.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 108% (61-152) Conc.: 30.42714
%SSR(DCB) : 118% (48-164) Conc.: 33.23765

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	131.21	
3.16	3.19	3.20	2332.83	10.911006			1
3.37	3.40	3.41	2310.096	10.581243			2
3.49	3.51	3.53	1901.259	7.735212			3
3.71	3.73	3.75	10858.28	39.87303			4
3.76	3.79	3.80	4667.498	20.955091			5
3.96	3.98	4.00	24126.36	135.088754			6
Height Summation:			46196.323				
Amount Avg CF:			37.524056	Linear:			
Aroclor-1221					2	20.00	
3.06	3.08	3.10	1110.423	10.841845			1
3.16	3.19	3.20	2332.83	8.155468			3
Height Summation:			3443.253				
Amount Avg CF:			9.498657	Linear:			
Aroclor-1232					6	142.22	
3.16	3.19	3.20	2332.83	9.091842			1
3.38	3.40	3.42	2310.096	22.374612			2
3.49	3.51	3.53	1901.259	16.782736			3
3.71	3.73	3.75	10858.28	88.355455			4
3.77	3.79	3.81	4667.498	48.444884			5
3.96	3.98	4.00	24126.36	323.941387			6
Height Summation:			46196.323				
Amount Avg CF:			84.831819	Linear:			
Aroclor-1242					6	132.49	
3.16	3.19	3.20	2332.83	12.736377			1
3.38	3.40	3.42	2310.096	12.77222			2
3.49	3.51	3.53	1901.259	9.599878			3
3.71	3.73	3.75	10858.28	48.736363			4
3.77	3.79	3.81	4667.498	26.757332			5
3.96	3.98	4.00	24126.36	169.186844			6
Height Summation:			46196.323				
Amount Avg CF:			46.631502	Linear:			
Aroclor-1248					6	171.98	
3.76	3.79	3.80	4667.498	38.596082			1
3.83	3.85	3.87	43393.59	197.309825			2
3.96	3.98	4.00	24126.36	93.15042			3
4.05	4.07	4.09	24411.26	113.378024			4
4.23	4.23	4.27	189550.4	743.167801			5
+ 4.23	4.25	4.27	87805.04	344.256085			5
4.61	4.63	4.65	631709.3	3378.649537			6
Height Summation:			917858.408				
Amount Avg CF:			760.708615	Linear:			
Aroclor-1254					6	82.04	
4.21	4.23	4.25	189550.4	630.318554			1
4.55	4.57	4.59	208510	689.935145			2
4.61	4.63	4.65	631709.3	1034.936351			3
4.73	4.76	4.77	810757.4	4425.261781			4
4.83	4.85	4.87	598250.9	1483.142956			5
5.14	5.16	5.18	1460065	3523.745616			6
Height Summation:			3898843				
Amount Avg CF:			1964.556734	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 11:15:49
Instrument : CP20--17342B
Result file : 20PCBS17137007B.081.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 108% (61-152) Conc.: 30.19681
%SSR(DCB) : 115% (48-164) Conc.: 32.30131

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	80.63	
2.88	2.91	2.92	130811.4	111.021366			1
3.21	3.22	3.25	15804.53	10.793767			2
+ 3.21	3.24	3.25	10522.79	7.186581			2
+ 3.40	3.40	3.44	12725.96	8.649464			3
3.40	3.42	3.44	33981.52	23.096249			3
3.47	3.49	3.51	40942.57	23.530854			4
3.63	3.65	3.67	192199.3	131.473908			5
+ 3.72	3.72	3.76	63717.55	50.864864			6
3.72	3.74	3.76	154826.3	123.595756			6
Height Summation:			568565.62				
Amount Avg CF:			70.585317	Linear:			
Aroclor-1221					3	63.07	
2.77	2.78	2.81	47466.07	76.334307			1
2.83	2.84	2.87	6112.947	15.947543			2
2.88	2.91	2.92	130811.4	82.264863			3
Height Summation:			184390.417				
Amount Avg CF:			58.182238	Linear:			
Aroclor-1232					6	96.42	
2.88	2.91	2.92	130811.4	90.873679			1
3.21	3.22	3.25	15804.53	22.717105			2
+ 3.21	3.24	3.25	10522.79	15.125241			2
+ 3.40	3.40	3.44	12725.96	20.445819			3
3.40	3.42	3.44	33981.52	54.595489			3
3.47	3.49	3.51	40942.57	53.541081			4
+ 3.66	3.67	3.70	42251.53	202.319874			5
3.66	3.70	3.70	71869.71	344.145423			5
3.73	3.74	3.77	154826.3	282.77953			6
Height Summation:			448236.03				
Amount Avg CF:			141.442051	Linear:			
Aroclor-1242					6	81.48	
2.88	2.91	2.92	130811.4	129.11978			1
3.21	3.22	3.25	15804.53	13.062477			2
+ 3.21	3.24	3.25	10522.79	8.697108			2
+ 3.40	3.40	3.44	12725.96	10.695784			3
3.40	3.42	3.44	33981.52	28.560439			3
3.47	3.49	3.51	40942.57	30.108195			4
3.64	3.65	3.68	192199.3	171.663701			5
+ 3.64	3.67	3.68	42251.53	37.737151			5
3.73	3.74	3.77	154826.3	154.381892			6
Height Summation:			568565.62				
Amount Avg CF:			87.816081	Linear:			
Aroclor-1248					6	170.82	
+ 3.40	3.40	3.44	12725.96	21.930663			1
3.40	3.42	3.44	33981.52	58.560396			1
3.51	3.52	3.55	321569.1	196.482131			2
3.63	3.65	3.67	192199.3	93.996292			3
+ 3.72	3.72	3.76	63717.55	43.156062			4
3.72	3.74	3.76	154826.3	104.864255			4
3.86	3.87	3.90	2014030	720.191509			5
4.22	4.23	4.26	4062307	3285.459775			6
Height Summation:			6778913.22				
Amount Avg CF:			743.25906	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001124** ACF DF10 51A18 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.42 g Total Volume: 100 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 11:15:49
Instrument : CP20--17342A
Result file : 20PCBS17137007.081.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	31.13	
4.73	4.76	4.77	810757.4	1856.583498			1
5.03	5.05	5.07	877966.9	3638.636855			2
5.20	5.23	5.24	572629.6	2026.796803			3
+ 5.37	5.37	5.41	44872.59	139.197513			4
5.37	5.39	5.41	521026.4	1616.255696			4
5.61	5.63	5.65	1811387	2317.987661			5
5.82	5.84	5.86	992117.5	2260.008915			6
Height Summation:			**5585884.8**				
Amount Avg CF:			**2286.044905**	Linear:			
Aroclor-1262					6	24.28	
5.21	5.23	5.24	572629.6	1100.816324			1
+ 5.37	5.37	5.41	44872.59	106.77942			2
5.37	5.39	5.41	521026.4	1239.84144			2
5.61	5.63	5.65	1811387	1783.38438			3
5.81	5.84	5.85	992117.5	1767.457819			4
5.87	5.89	5.91	281442.4	1012.123165			5
6.25	6.27	6.29	439953.9	1300.493514			6
Height Summation:			**4618556.8**				
Amount Avg CF:			**1367.352774**	Linear:			
Aroclor-1268					6	115.81	
5.81	5.84	5.85	992117.5	794.836335			1
5.87	5.89	5.91	281442.4	258.423201			2
6.00	6.02	6.04	20035.46	19.729227			3
6.07	6.09	6.11	26577.83	114.156576			4
6.25	6.27	6.29	439953.9	1048.856643			5
6.45	6.47	6.49	99915.61	30.438087			6
Height Summation:			**1860042.7**				
Amount Avg CF:			**377.740011**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 11:15:49
Instrument : CP20--17342B
Result file : 20PCBS17137007B.081.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	73.96	
4.16	4.17	4.19	1796014	824.474161			1
4.22	4.23	4.26	4062307	1050.994339			2
4.31	4.33	4.35	5958916	3314.112814			3
4.38	4.40	4.42	3638913	1400.485662			4
4.44	4.46	4.48	7851954	5247.608418			5
4.60	4.61	4.64	3516551	1929.112268			6
Height Summation:			**26824655**				
Amount Avg CF:			**2294.46461**	Linear:			
Aroclor-1260					6	6.68	
4.31	4.33	4.35	5958916	2025.495359			1
4.44	4.46	4.48	7851954	2263.240853			2
4.55	4.56	4.59	5755663	2061.987462			3
4.90	4.91	4.94	4439886	2069.276493			4
5.09	5.11	5.13	11399650	2341.150766			5
5.35	5.37	5.39	7599728	2333.124276			6
Height Summation:			**43005797**				
Amount Avg CF:			**2182.379202**	Linear:			
Aroclor-1262					6	30.57	
4.71	4.73	4.75	3244536	960.666727			1
4.90	4.91	4.94	4439886	1321.536456			2
5.09	5.11	5.13	11399650	1783.886411			3
5.31	5.32	5.35	2199724	830.718924			4
5.35	5.37	5.39	7599728	1783.057739			5
5.73	5.75	5.77	2801947	1214.720944			6
Height Summation:			**31685471**				
Amount Avg CF:			**1315.764533**	Linear:			
Aroclor-1268					6	119.85	
5.31	5.32	5.35	2199724	255.071371			1
5.35	5.37	5.39	7599728	870.391049			2
5.51	5.52	5.55	143599.5	19.143385			3
5.57	5.59	5.61	88129.7	48.59307			4
5.73	5.75	5.77	2801947	953.355067			5
5.93	5.95	5.97	676362.5	30.279929			6
Height Summation:			**13509490.7**				
Amount Avg CF:			**362.805645**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			489.4434	95.0096		** 61.16	4	40	
Aroclor-1221			489.4434	146.833		** 143.86	3	5	
Aroclor-1232			489.4434	118.0422		** 50.04	4	10	
Aroclor-1242			489.4434	118.0422		** 61.26	4	30	
Aroclor-1248			489.4434	95.0096		2.32	4	40	
Aroclor-1254			489.4434	126.6795		15.49	4	40	
Aroclor-1260			489.4434	112.2841		4.64	4	40	
Aroclor-1262			489.4434	95.0096		3.85	4	40	
Aroclor-1268			489.4434	95.0096		4.03	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001124ACF DF10 AC51A18 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:15:49 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.081.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		2893	2844
2.098		3327	3972
2.129		12962	8052
2.196		51396	39033
2.309		5852	3950
2.383		3519	4962
2.425		1664	1781
2.495		992	1266
2.568		1135	1139
2.625		2839	1745
2.647		27194	17155
2.699		774	959
2.828		1763	1368
2.923	TCX	360298	238195
3.037		7740	4701
3.075		1110	936
3.192		2333	2472
3.229		20745	10960
3.242		26657	13108
3.313		762	627
3.397		2310	1433
3.466		1983	2530
3.511		1901	1188
3.586		5585	4037
3.693		6885	9479
3.73		10858	9002
3.787		4667	3920
3.854		43394	32425
3.884		13414	12147
3.903		6897	3320
3.978		24126	17376
4.002		4056	2760
4.033		7939	5708
4.068		24411	25810
4.109		5211	3898
4.137		1543	906
4.155		1440	974
4.19		7858	6287
4.227		189550	140799
4.248		87805	52106
4.271		104666	76588
4.298		2199	1333
4.338		72266	61504
4.38		411494	410728
4.416		174405	141857
4.455		11348	8108
4.479		20313	15388
4.521		151218	140580
4.574		208510	212850
4.604		71862	45038
4.634		631709	562930
4.68		295891	342801
4.718		136038	103901
4.756		810757	753927

RT A	Compound A	Height A	Area A
4.807		63331	57290
4.849		598251	569875
4.877		8874	4537
4.903		161982	148420
4.956		1128172	1381550
5.006		170289	154196
5.049		877967	871156
5.092		52844	36745
5.128		112754	135997
5.165		1460065	1376927
5.187		54881	26456
5.227		572630	515593
5.27		372545	370240
5.375		44873	51491
5.392		521026	430368
5.451		336560	303971
5.49		176545	152218
5.531		33571	32507
5.576		283465	271432
5.601		19099	10565
5.631		1811387	1781855
5.723		3136	6011
5.796		1262	623
5.838		992118	1017934
5.889		281442	531835
6.023		20035	22935
6.086		26578	20192
6.11		169920	152735
6.267		439954	425081
6.312		29024	28694
6.467		99916	101230
6.504		1365	1076
6.613	DCB	238336	268777
6.689		3308	3361
7.036		471	1737
7.109		785	1260
7.684		711	838
8.034		4760	8417
8.681		4107	6691

LANCASTER LABORATORIES

Sample Number: 9001124ACF DF10 AC51A18 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:15:49 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.081.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.112		17644	14630
2.156		13208	8124
2.237		19144	29307
2.274		3400	3208
2.319		10693	11327
2.363		165892	113572
2.43		1860	755
2.474		3513	2309
2.565		7145	6019
2.594		2833	2421
2.614	TCX	2175209	1266364
2.677		2514	1112
2.703		5298	11077
2.784		47466	27471
2.812		5586	5076
2.842		6113	9572
2.878		4064	3143
2.91		130811	57867
2.92		146454	59225
2.998		5154	6279
3.033		5448	3876
3.105		14228	18620
3.177		11662	10882
3.2		5992	3453
3.225		15805	9184
3.243		10523	5354
3.262		35632	21926
3.324		14479	17440
3.382		49043	43328
3.403		12726	5673
3.417		33982	35774
3.491		40943	29672
3.525		321569	194000
3.549		193404	108630
3.566		88541	42028
3.651		192199	122510
3.674		42252	22085
3.695		71870	48817
3.724		63718	32570
3.74		154826	83758
3.778		43124	38334
3.828		52286	55080
3.851		265233	154856
3.874		2014030	1335102
3.898		616818	367861
3.918		177277	89708
3.936		459978	281347
3.972		2739363	1873643
4.004		1355819	889457
4.021		238650	101384
4.082		159558	130485
4.117		930444	715996
4.144		51644	42860
4.173		1796014	1288474

RT B	Compound B	Height B	Area B
4.207		776615	693075
4.234		4062307	4016812
4.274		958193	951088
4.326		5958917	4689383
4.363		492520	385331
4.395		3638913	2594871
4.42		1393759	942115
4.463		7851954	6198042
4.516		18835	14347
4.564		5755663	5397055
4.615		3516551	2916070
4.657		1827758	1568259
4.693		9506694	7899145
4.726		3244537	2252447
4.764		2550154	1975813
4.823		22402	14139
4.837		50158	30979
4.863		622291	431269
4.88		197894	108797
4.915		4439886	3431519
4.938		1446756	1015364
4.989		2534090	2204338
5.024		1249130	1000216
5.054		890956	745970
5.086		738197	428425
5.109		11399650	9395561
5.15		232323	161722
5.182		381267	317616
5.226		9214	6076
5.246		19841	13210
5.28		9417	5651
5.301		100997	68123
5.325		2199724	1800981
5.368		7599728	8040428
5.469		4834	7645
5.524		143600	119605
5.57		225140	174042
5.593		88130	58447
5.642		1315833	1091949
5.685		6604	5426
5.72		2151	1049
5.749		2801947	2428916
5.779		169295	126053
5.948		676363	577904
5.995		5602	3700
6.066		2279	1962
6.107	DCB	1639744	1463263
6.282		14661	10927
6.31		18783	16758
6.588		5658	7334
6.885		2525	4968
6.949		3243	3938
7.011		5267	6323
7.239		2827	3408
7.304		3414	4547
7.431		2169	3406
7.462		3359	3233
7.556		24122	30132
7.721		2749	5165
7.975		1798	1070
8.113		2239	2045
8.213		18904	32960
8.433		2687	4228

9001124ACF DF10 AC51A18 T 171430031A 10225 SW-846 8082

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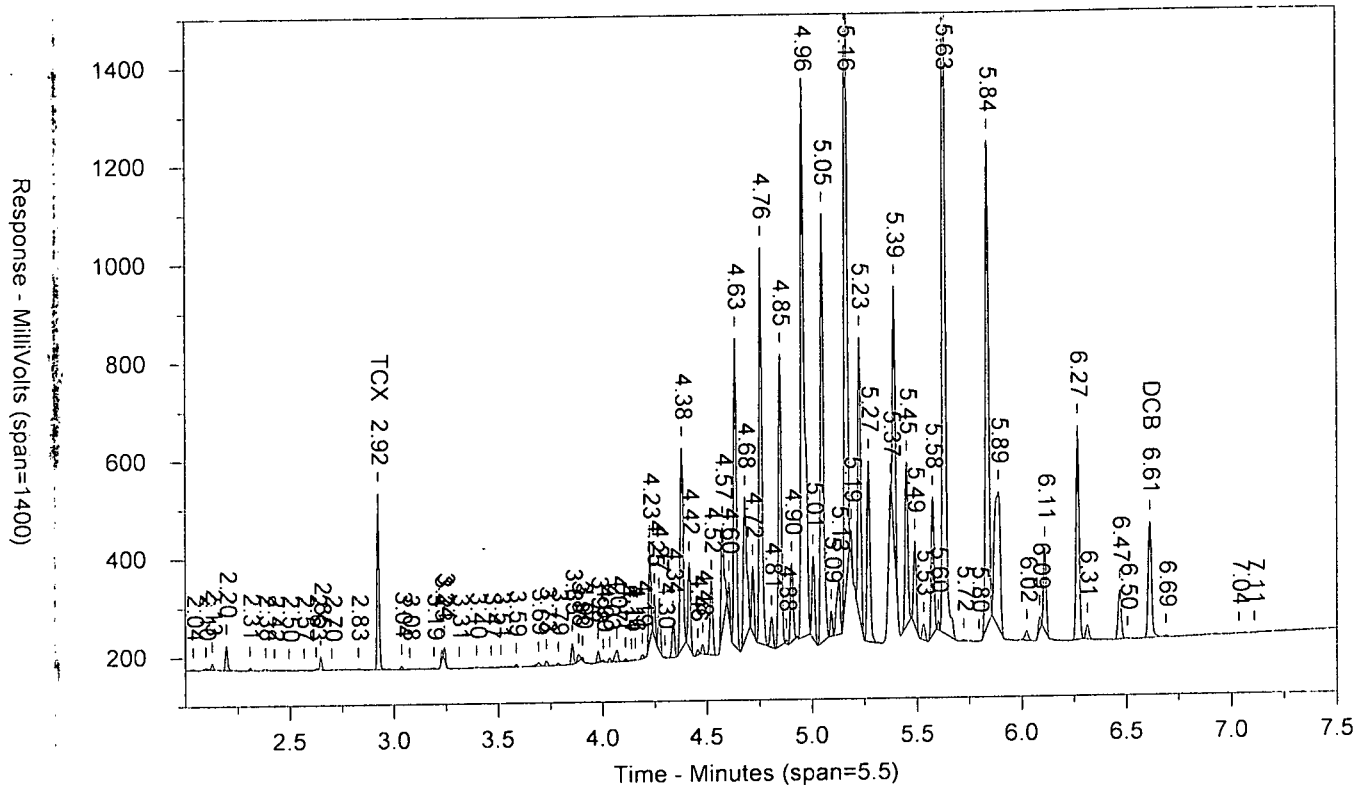

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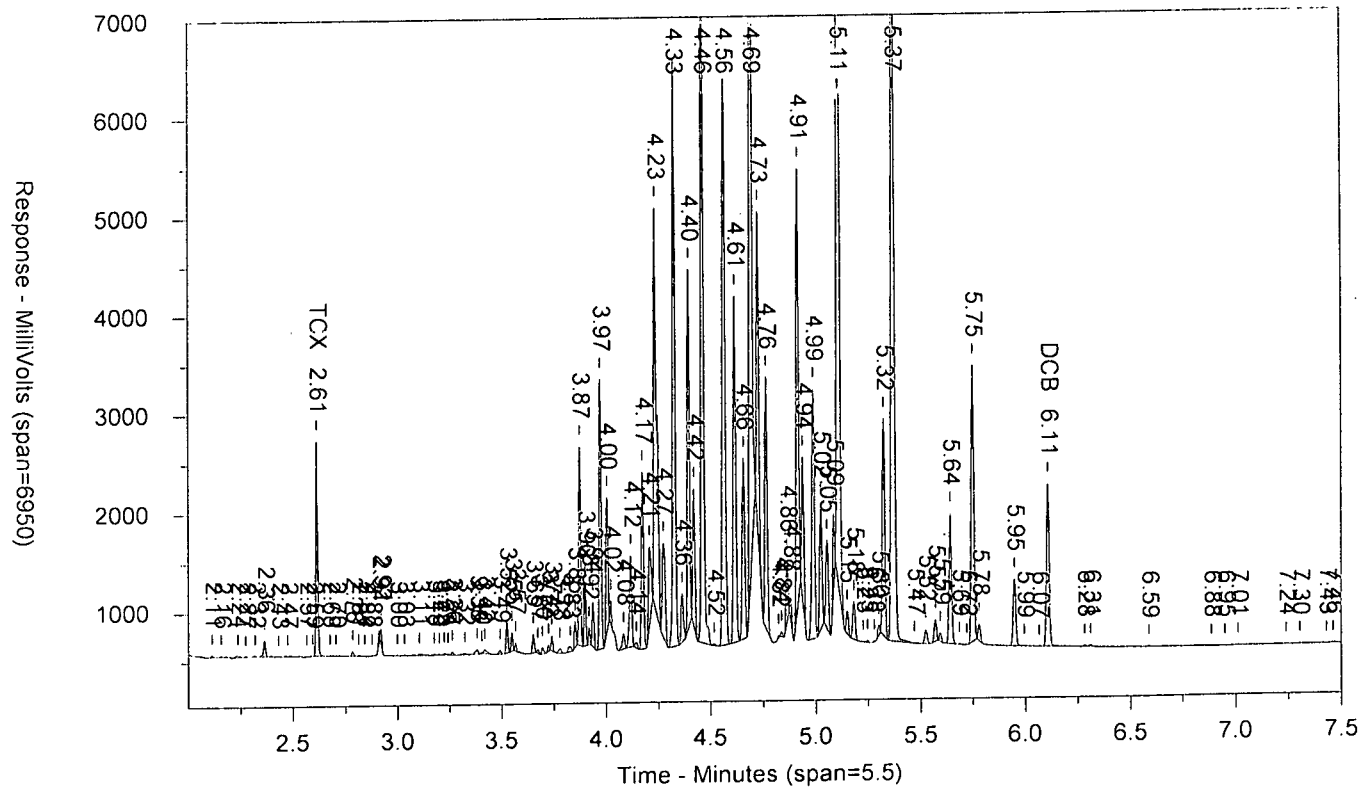

LANCASTER LABORATORIES

Sample Number: 9001124ACF DF10 AC51A18 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:15:49 AM
Sample Weight: 10.42
Dilution Factor: 100
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
2.923	360298	30.427	TCX	2.614	2175209	30.197	TCX
6.613	238336	33.238	DCB	6.107	1639744	32.301	DCB

Files:
Area File: 20pcbs17137007.081.RAW
Area File: 20pcbs17137007B.081.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 11:24:33 AM
File Reported On: 5/25/2017 at 11:24:41 AM

9001124ACF DF10 AC51A18 T 171430031A 10225 SW-846 8082

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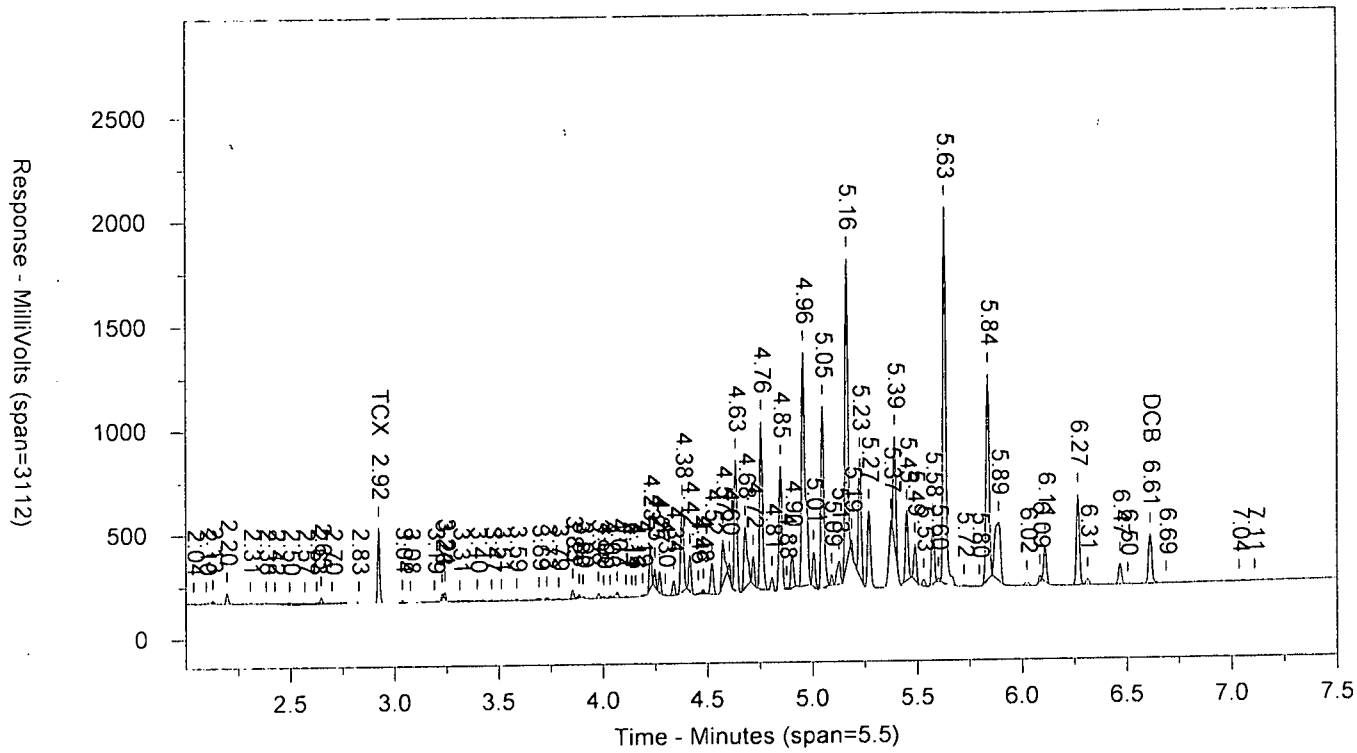

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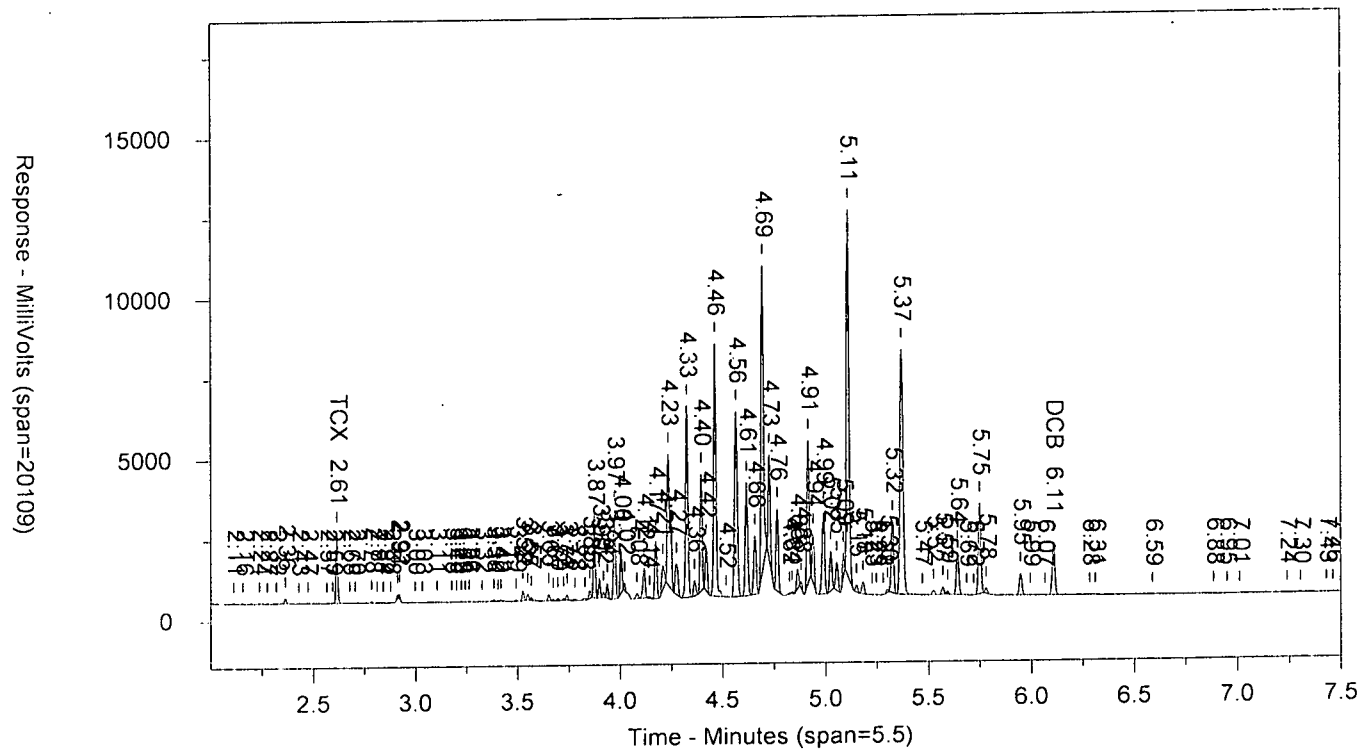

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Data Summary

Sample Name: 9001125 ACF DF5 51A19 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.05 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 11:27:20
Instrument	17342A
Result file	20PCBS17137007.082.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 98% (61 - 152) Conc: 28.4433
%SSR(DCB) 115% (48 - 164) Conc: 33.38433

Analysis Report (B)

Injected on	May 25, 2017 11:27:20
Instrument	17342B
Result file	20PCBS17137007B.082.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 89% (61 - 152) Conc: 26.02769
%SSR(DCB) 108% (48 - 164) Conc: 31.33485

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	649694	28.4433
Decachlorobiphenyl	6.58	6.61	6.64	461775	33.38433

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	3616628	26.02769
Decachlorobiphenyl	6.08	6.11	6.14	3068399	31.33485

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	28.4433				8.87	
☑ Decachlorobiphenyl	A	33.38433				6.33	

Multiple Component Data

Aroclor-1260 — %RSD **13.80**

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.73	4.76	4.77	665651.1	790.208833			1
5.03	5.05	5.07	563263.3	1210.162491			2
5.20	5.23	5.24	509668.1	935.18069			3
5.37	5.39	5.41	612095.2	984.330574			4
5.61	5.63	5.65	1570302	1041.728914			5
5.82	5.84	5.86	852819.7	1007.107726			6

Height summation: **4773799.4**
Concentration CF: **994.786538** L:

Aroclor-1260 — %RSD **10.12**

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.31	4.33	4.35	4516167	795.803131			1
4.44	4.46	4.48	6041050	902.686857			2
4.55	4.57	4.59	4542657	843.669347			3
4.90	4.92	4.94	3898002	941.803769			4
5.09	5.11	5.13	9989262	1063.513312			5
5.35	5.37	5.39	5906405	940.014837			6

Height summation: 34893543
Concentration CF: 914.581876 L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<253.7313	<49.2537			4	
☑ PCB-1221			<253.7313	<76.1194			3	
☑ PCB-1232			<253.7313	<61.194			4	
☑ PCB-1242			<253.7313	<61.194			4	
☑ PCB-1248			<253.7313	<49.2537			4	
☑ PCB-1254			<253.7313	<65.6716			4	
☑ PCB-1260	A	994.786538	253.7313	58.209		8.40	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001125** ACF DF5 51A19 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.05 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 11:27:20
Instrument : CP20--17342A
Result file : 20PCBS17137007.082.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 98% (61-152) Conc.: 28.4433 Pass
%SSR(DCB) : 115% (48-164) Conc.: 33.38433

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**99.45**	
3.16	3.19	3.20	2139.639	5.187927			1
3.37	3.40	3.41	2665.306	6.328859			2
3.49	3.49	3.53	1593.637	3.361182			3
3.71	3.73	3.75	6862.557	13.06399			4
3.76	3.79	3.80	2901.655	6.753406			5
3.96	3.98	4.00	11502.04	33.386733			6
Height Summation:			**27664.834**				
Amount Avg CF:			**11.347016**	Linear:			
Aroclor-1221					**2**	**59.69**	
3.06	3.07	3.10	1885.068	9.541429			1
3.16	3.19	3.20	2139.639	3.877734			3
Height Summation:			**4024.707**				
Amount Avg CF:			**6.709582**	Linear:			
Aroclor-1232					**5**	**105.94**	
3.16	3.19	3.20	2139.639	4.322957			1
3.38	3.40	3.42	2665.306	13.382715			2
3.71	3.73	3.75	6862.557	28.94876			4
3.77	3.79	3.81	2901.655	15.612815			5
3.96	3.98	4.00	11502.04	80.061029			6
Height Summation:			**26071.197**				
Amount Avg CF:			**28.465655**	Linear:			
Aroclor-1242					**5**	**93.09**	
3.16	3.19	3.20	2139.639	6.055848			1
3.38	3.40	3.42	2665.306	7.639327			2
3.71	3.73	3.75	6862.557	15.96797			4
3.77	3.79	3.81	2901.655	8.623352			5
3.96	3.98	4.00	11502.04	41.813962			6
Height Summation:			**26071.197**				
Amount Avg CF:			**16.020092**	Linear:			
Aroclor-1248					**6**	**169.92**	
3.76	3.79	3.80	2901.655	12.438744			1
3.83	3.85	3.87	22601.6	53.27629			2
3.96	3.98	4.00	11502.04	23.021815			3
4.05	4.07	4.09	12045.46	29.002387			4
4.23	4.23	4.27	125833	255.757508			5
+ 4.23	4.25	4.27	37018.75	75.241179			5
4.61	4.63	4.65	361586.9	1002.559656			6
Height Summation:			**536470.655**				
Amount Avg CF:			**229.342733**	Linear:			
Aroclor-1254					**6**	**103.34**	
4.21	4.23	4.25	125833	216.921			1
4.55	4.57	4.59	61032.33	104.691878			2
+ 4.55	4.59	4.59	28560.62	48.991493			2
4.61	4.63	4.65	361586.9	307.100639			3
4.73	4.76	4.77	665651.1	1883.503195			4
4.83	4.85	4.87	300258	385.892112			5
5.14	5.17	5.18	1177374	1473.053298			6
Height Summation:			**2691735.33**				
Amount Avg CF:			**728.52702**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 11:27:20
Instrument : CP20--17342B
Result file : 20PCBS17137007B.082.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 89% (61-152) Conc.: 26.02769
%SSR(DCB) : 108% (48-164) Conc.: 31.33485

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**156.78**	
2.88	2.91	2.92	386768.6	170.170331			1
3.21	3.22	3.25	13689.92	4.846899			2
+ 3.21	3.24	3.25	8915.973	3.156689			2
+ 3.40	3.40	3.44	8225.202	2.898123			3
3.40	3.42	3.44	16084.85	5.667445			3
3.47	3.49	3.51	26162.29	7.79489			4
3.63	3.65	3.67	86894.88	30.814393			5
+ 3.72	3.72	3.76	44176.74	18.282019			6
3.72	3.74	3.76	64442.39	26.668717			6
Height Summation:			**594042.93**				
Amount Avg CF:			**40.993779**	Linear:			
Aroclor-1221					**3**	**96.89**	
2.77	2.78	2.81	42061.13	35.066231			1
2.83	2.83	2.87	13576.22	18.360888			2
2.88	2.91	2.92	386768.6	126.093197			3
Height Summation:			**442405.95**				
Amount Avg CF:			**59.840105**	Linear:			
Aroclor-1232					**6**	**94.24**	
2.88	2.91	2.92	386768.6	139.288541			1
3.21	3.22	3.25	13689.92	10.201029			2
+ 3.21	3.24	3.25	8915.973	6.643727			2
+ 3.40	3.40	3.44	8225.202	6.850657			3
3.40	3.42	3.44	16084.85	13.396848			3
3.47	3.49	3.51	26162.29	17.736154			4
+ 3.66	3.67	3.70	27109.78	67.296699			5
3.66	3.70	3.70	45186.6	112.170184			5
3.73	3.74	3.77	64442.39	61.016393			6
Height Summation:			**552334.65**				
Amount Avg CF:			**58.968191**	Linear:			
Aroclor-1242					**6**	**151.59**	
2.88	2.91	2.92	386768.6	197.911054			1
3.21	3.22	3.25	13689.92	5.865655			2
+ 3.21	3.24	3.25	8915.973	3.820185			2
+ 3.40	3.40	3.44	8225.202	3.583772			3
3.40	3.42	3.44	16084.85	7.008269			3
3.47	3.49	3.51	26162.29	9.973717			4
3.64	3.65	3.68	86894.88	40.233936			5
+ 3.64	3.67	3.68	27109.78	12.552329			5
3.73	3.74	3.77	64442.39	33.311556			6
Height Summation:			**594042.93**				
Amount Avg CF:			**49.050698**	Linear:			
Aroclor-1248					**6**	**148.02**	
+ 3.40	3.40	3.44	8225.202	7.348174			1
3.40	3.42	3.44	16084.85	14.369772			1
3.51	3.53	3.55	153546.5	48.636278			2
3.63	3.65	3.67	86894.88	22.030521			3
+ 3.72	3.72	3.76	44176.74	15.511295			4
3.72	3.74	3.76	64442.39	22.626951			4
3.86	3.87	3.90	1109143	205.608595			5
4.22	4.23	4.26	1333418	559.063821			6
+ 4.22	4.25	4.26	807036.9	338.367363			6
Height Summation:			**2763529.62**				
Amount Avg CF:			**145.389323**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001125** ACF DF5 51A19 Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.05 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 11:27:20
Instrument : CP20--17342A
Result file : 20PCBS17137007.082.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**13.80**	
4.73	4.76	4.77	665651.1	790.208833			1
5.03	5.05	5.07	563263.3	1210.162491			2
5.20	5.23	5.24	509668.1	935.18069			3
5.37	5.39	5.41	612095.2	984.330574			4
5.61	5.63	5.65	1570302	1041.728914			5
5.82	5.84	5.86	852819.7	1007.107726			6
Height Summation:			**4773799.4**				
Amount Avg CF:			**994.786538**	Linear:			
Aroclor-1262					**6**	**42.31**	
5.21	5.23	5.24	509668.1	507.925692			1
5.37	5.39	5.41	612095.2	755.087106			2
5.61	5.63	5.65	1570302	801.472374			3
5.81	5.84	5.85	852819.7	787.61655			4
+ 5.87	5.88	5.91	53794.67	100.289334			5
5.87	5.89	5.91	83085.51	154.89621			5
6.25	6.27	6.29	345178.7	528.952494			6
Height Summation:			**3973149.21**				
Amount Avg CF:			**589.325071**	Linear:			
Aroclor-1268					**6**	**125.61**	
5.81	5.84	5.85	852819.7	354.195866			1
+ 5.87	5.88	5.91	53794.67	25.606657			2
5.87	5.89	5.91	83085.51	39.549312			2
6.00	6.02	6.04	19770.12	10.092336			3
6.07	6.09	6.11	25413.93	56.588073			4
6.25	6.27	6.29	345178.7	426.603694			5
6.45	6.47	6.49	81983.44	12.947377			6
Height Summation:			**1408251.4**				
Amount Avg CF:			**149.99611**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 11:27:20
Instrument : CP20--17342B
Result file : 20PCBS17137007B.082.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**100.70**	
4.16	4.17	4.19	797016.4	189.673322			1
4.22	4.23	4.26	1333418	178.840391			2
+ 4.22	4.25	4.26	807036.9	108.241223			2
4.31	4.33	4.35	4516167	1302.092025			3
4.38	4.40	4.42	1672994	333.789783			4
4.44	4.46	4.48	6041050	2092.992949			5
4.60	4.62	4.64	1769139	503.123034			6
Height Summation:			**16129784.4**				
Amount Avg CF:			**766.751917**	Linear:			
Aroclor-1260					**6**	**10.12**	
4.31	4.33	4.35	4516167	795.803131			1
4.44	4.46	4.48	6041050	902.686857			2
4.55	4.57	4.59	4542657	843.669347			3
4.90	4.92	4.94	3898002	941.803769			4
5.09	5.11	5.13	9989262	1063.513312			5
5.35	5.37	5.39	5906405	940.014837			6
Height Summation:			**34893543**				
Amount Avg CF:			**914.581875**	Linear:			
Aroclor-1262					**6**	**29.00**	
4.71	4.73	4.75	2952466	453.186243			1
4.90	4.92	4.94	3898002	601.479802			2
5.09	5.11	5.13	9989262	810.36513			3
5.31	5.32	5.35	1794236	351.266828			4
5.35	5.37	5.39	5906405	718.393249			5
5.73	5.75	5.77	2450329	550.696942			6
Height Summation:			**26990700**				
Amount Avg CF:			**580.898032**	Linear:			
Aroclor-1268					**6**	**118.99**	
5.31	5.32	5.35	1794236	107.85611			1
5.35	5.37	5.39	5906405	350.680205			2
5.51	5.53	5.55	150541.1	10.403813			3
5.57	5.59	5.61	94916.38	27.130942			4
5.73	5.75	5.77	2450329	432.206033			5
5.93	5.95	5.97	595218.6	13.814128			6
Height Summation:			**10991646.08**				
Amount Avg CF:			**157.015205**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			253.7313	49.2537		** 113.28	4	40	
Aroclor-1221			253.7313	76.1194		** 159.67	3	5	
Aroclor-1232			253.7313	61.194		** 69.77	4	10	
Aroclor-1242			253.7313	61.194		** 101.52	4	30	
Aroclor-1248			253.7313	49.2537		** 44.81	4	40	
Aroclor-1254			253.7313	65.6716		5.11	4	40	
Aroclor-1260			253.7313	58.209		8.40	4	40	
Aroclor-1262			253.7313	49.2537		1.44	4	40	
Aroclor-1268			253.7313	49.2537		4.57	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001125ACF DF5 AC51A19 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:27:20 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.082.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		3406	3538
2.096		11160	13300
2.129		19930	12313
2.196		26495	17081
2.219		2238	1464
2.309		18560	12937
2.384		5599	9448
2.503		1199	1451
2.548		2107	1688
2.625		10971	7678
2.647		15894	10327
2.705		797	1283
2.774		10676	8818
2.825		1635	1128
2.871		1197	614
2.924	TCX	649694	427291
3.037		6131	4006
3.073		1885	2377
3.191		2140	1947
3.229		15750	7723
3.243		56291	30403
3.372		851	1568
3.397		2665	1582
3.466		2009	1543
3.491		1594	1036
3.586		4529	4028
3.665		14871	10818
3.695		2654	2675
3.731		6863	6729
3.786		2902	2709
3.854		22602	16596
3.889		8190	8245
3.978		11502	7747
4.003		2710	1569
4.033		4102	2831
4.067		12045	15058
4.11		2509	2093
4.138		1299	856
4.155		810	483
4.19		6910	5117
4.227		125833	94867
4.248		37019	21193
4.271		49249	35668
4.338		48794	40468
4.381		269128	255296
4.416		90227	74308
4.455		7097	5101
4.478		9823	7466
4.52		86707	83560
4.573		61032	45132
4.587		28561	13331
4.603		23967	13280
4.635		361587	319188
4.679		277569	310149

RT_A	Compound A	Height A	Area A
4.718		89400	65663
4.756		665651	635090
4.806		32318	30200
4.848		300258	298383
4.876		7805	4505
4.904		145128	136113
4.956		925214	1119272
5.006		158741	143136
5.049		563263	582958
5.092		25424	17864
5.129		90867	110294
5.165		1177374	1277145
5.228		509668	463127
5.27		334644	323103
5.392		612095	877432
5.451		292453	274073
5.49		154282	138184
5.531		30646	30391
5.575		222173	199695
5.602		12309	6747
5.631		1570302	1528787
5.721		3096	2907
5.752		1416	919
5.792		7562	6938
5.838		852820	868930
5.878		53795	77887
5.891		83086	60548
6.023		19770	25176
6.086		25414	19277
6.11		148818	132618
6.18		1753	2099
6.267		345179	364503
6.312		25304	25088
6.468		81983	89038
6.54		8134	8431
6.614	DCB	461775	497738
6.691		3183	2637
6.882		1096	1248
7.458		655	639
7.711		534	709
7.787		1378	2123
8.029		6798	11756
8.334		708	801

LANCASTER LABORATORIES

Sample Number: 9001125ACF DF5 AC51A19 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:27:20 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.082.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.041		11477	10906
2.065		11723	9741
2.111		33049	48733
2.157		24605	27513
2.189		9285	11506
2.23		9093	4737
2.284		9187	8114
2.309		18954	8988
2.318		17175	5723
2.363		103196	70706
2.394		9231	4697
2.413		6673	4194
2.44		11463	13429
2.462		7931	3511
2.487		9344	8494
2.544		51447	46157
2.591		5875	3145
2.614	TCX	3616628	2127039
2.675		8433	3712
2.706		11061	15302
2.73		12844	10190
2.783		42061	34711
2.809		10178	7213
2.834		13576	13841
2.867		4663	2302
2.91		386769	352281
2.947		10998	7335
2.969		8241	4099
3.003		14104	21881
3.034		10880	8665
3.067		6107	4242
3.089		6226	4449
3.107		8037	6715
3.144		5327	5787
3.179		13135	22513
3.225		13690	9565
3.243		8916	3901
3.262		26547	17395
3.323		130520	86453
3.354		6421	3978
3.372		4476	1757
3.382		14379	6311
3.404		8225	4353
3.417		16085	17685
3.492		26162	22300
3.525		153547	86669
3.549		121297	67520
3.566		43834	20523
3.581		13981	6668
3.652		86895	60461
3.675		27110	16684
3.696		45187	33115
3.725		44177	22423
3.74		64442	34658

RT B	Compound B	Height B	Area B
3.778		25303	24363
3.823		41723	42777
3.852		102172	60513.
3.874		1109143	710832
3.899		263645	156761
3.919		92682	45337
3.937		286669	179165
3.972		1615109	1113570
4.004		637527	422090
4.022		103117	44743
4.036		25044	22344
4.083		75361	75192
4.117		454105	384528
4.144		42805	33165
4.174		797016	583040
4.216		377346	404664
4.234		1333419	702244
4.247		807037	387609
4.273		771285	764270
4.326		4516167	3578649
4.364		249917	218423
4.396		1672994	1180751
4.42		1125589	786429
4.463		6041050	4727594
4.517		14227	10407
4.565		4542657	4227358
4.616		1769139	1507807
4.657		1397730	1221667
4.693		7057365	5733340
4.726		2952466	2026212
4.765		2198096	1676451
4.839		91532	81522
4.864		566469	387665
4.88		109891	59786
4.916		3898002	2966753
4.939		910670	613366
4.989		2146200	1913917
5.024		1079592	861711
5.054		796516	643115
5.087		417751	252372
5.109		9989262	7987027
5.151		240038	185473
5.182		346553	278002
5.226		6975	5080
5.247		13418	8853
5.279		7256	4749
5.301		98045	59444
5.325		1794236	1511120
5.369		5906405	6520124
5.469		6376	7563
5.525		150541	129586
5.57		188469	147332
5.594		94916	65137
5.615		8423	3428
5.642		1118436	928923
5.686		6035	5168
5.749		2450329	2063919
5.78		148173	111864
5.886		3250	4559
5.948		595219	523113
6.061		2410	1756
6.107	DCB	3068399	2749602
6.237		1450	1234
6.282		14930	11280
6.31		20162	16941
6.484		3453	3490

RT B	Compound B	Height B	Area B
6.531		3817	6460
6.584		4138	3815
6.912		2184	1672
6.95		3172	3477
7.014		5873	5603
7.124		3494	5269
7.297		3019	4804
7.424		1996	2515
7.467		4366	5357
7.556		34942	43468
7.839		2402	3717
7.913		2219	3208
8.122		1870	2684
8.217		20300	33923
8.429		1699	2172

9001125ACF DF5 AC51A19 T 171430031A 10225 SW-846 8082

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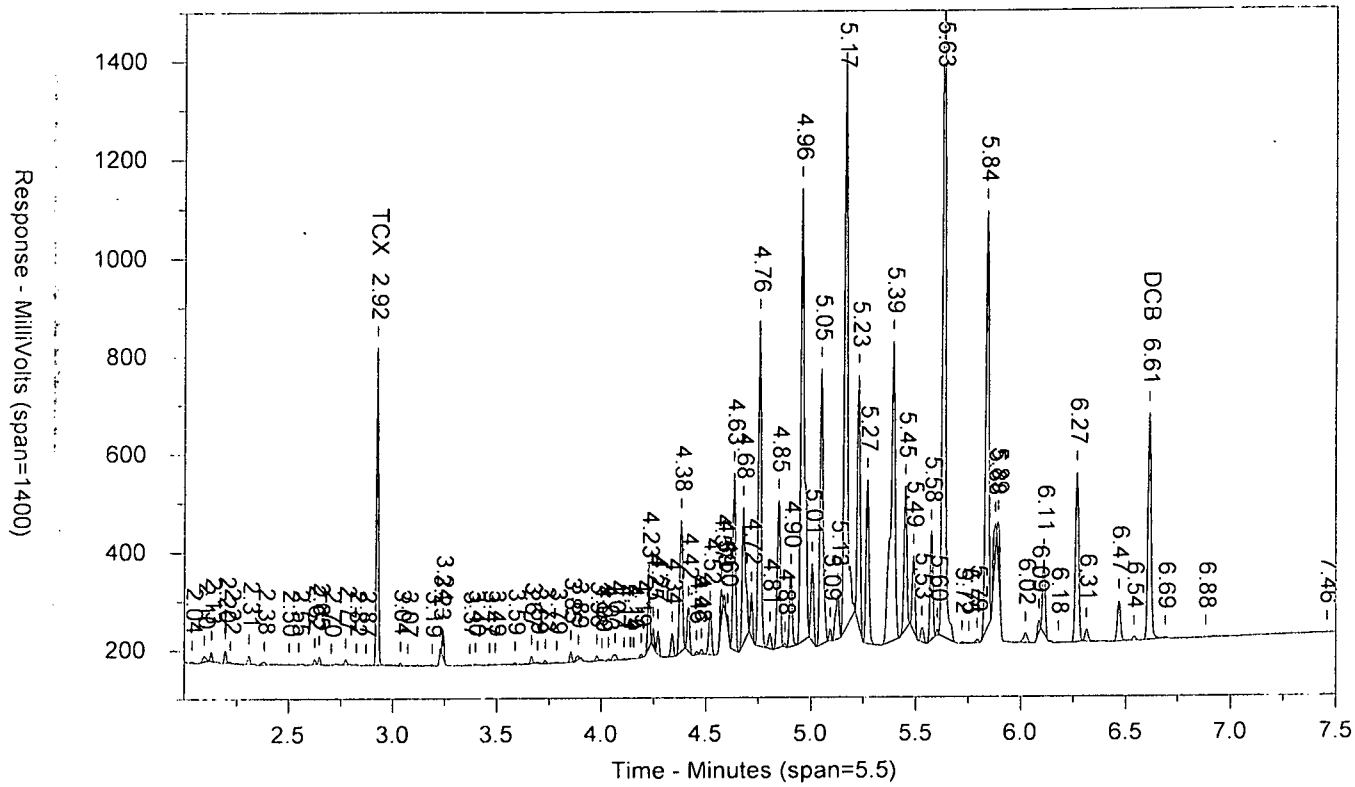

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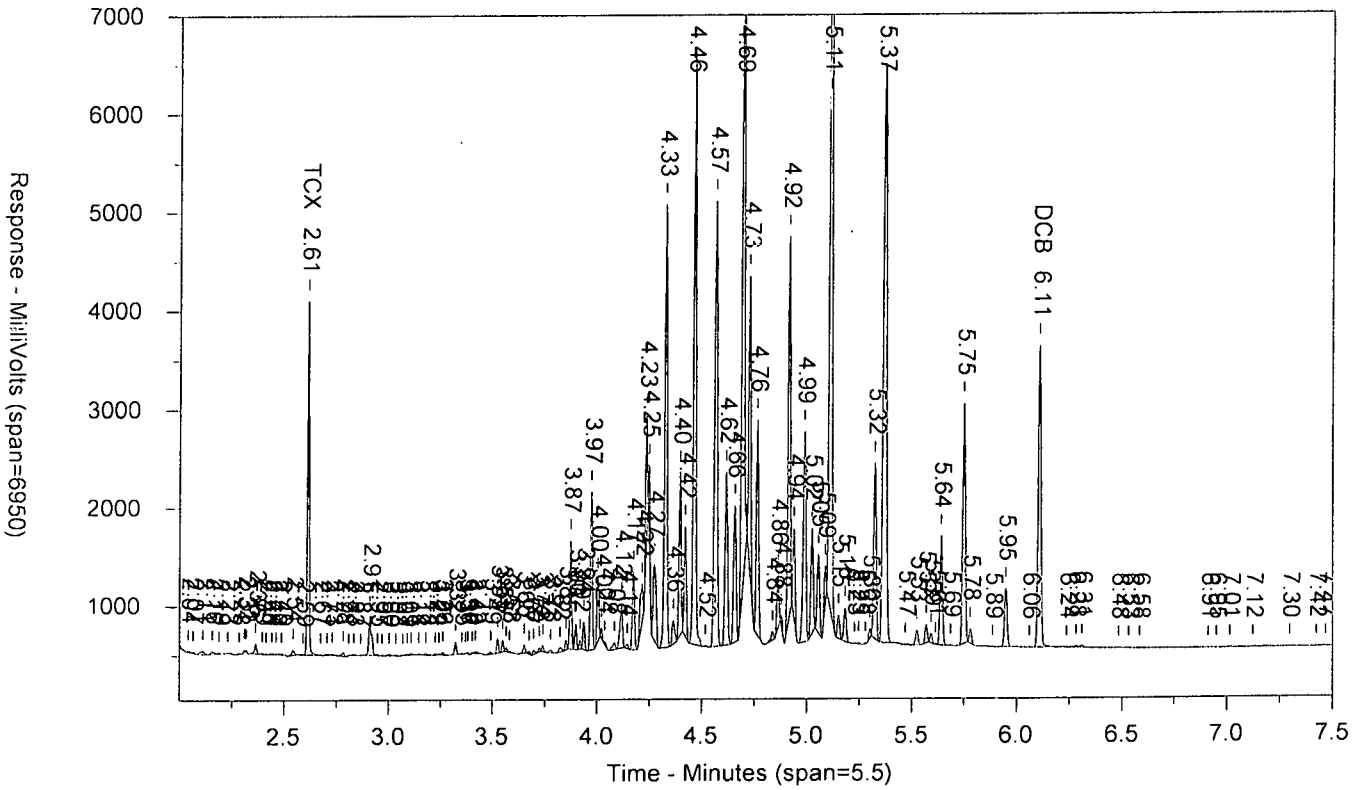

LANCASTER LABORATORIES

Sample Number: 9001125ACF DF5 AC51A19 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:27:20 AM Sample Weight: 10.05
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	649694	28.443	TCX	2.614	3616628	26.028	TCX
6.614	461775	33.384	DCB	6.107	3068399	31.335	DCB

Files:
Area File: 20pcbs17137007.082.RAW
Area File: 20pcbs17137007B.082.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 11:36:02 AM
File Reported On: 5/25/2017 at 11:36:15 AM

9001125ACF DF5 AC51A19 T 171430031A 10225 SW-846 8082

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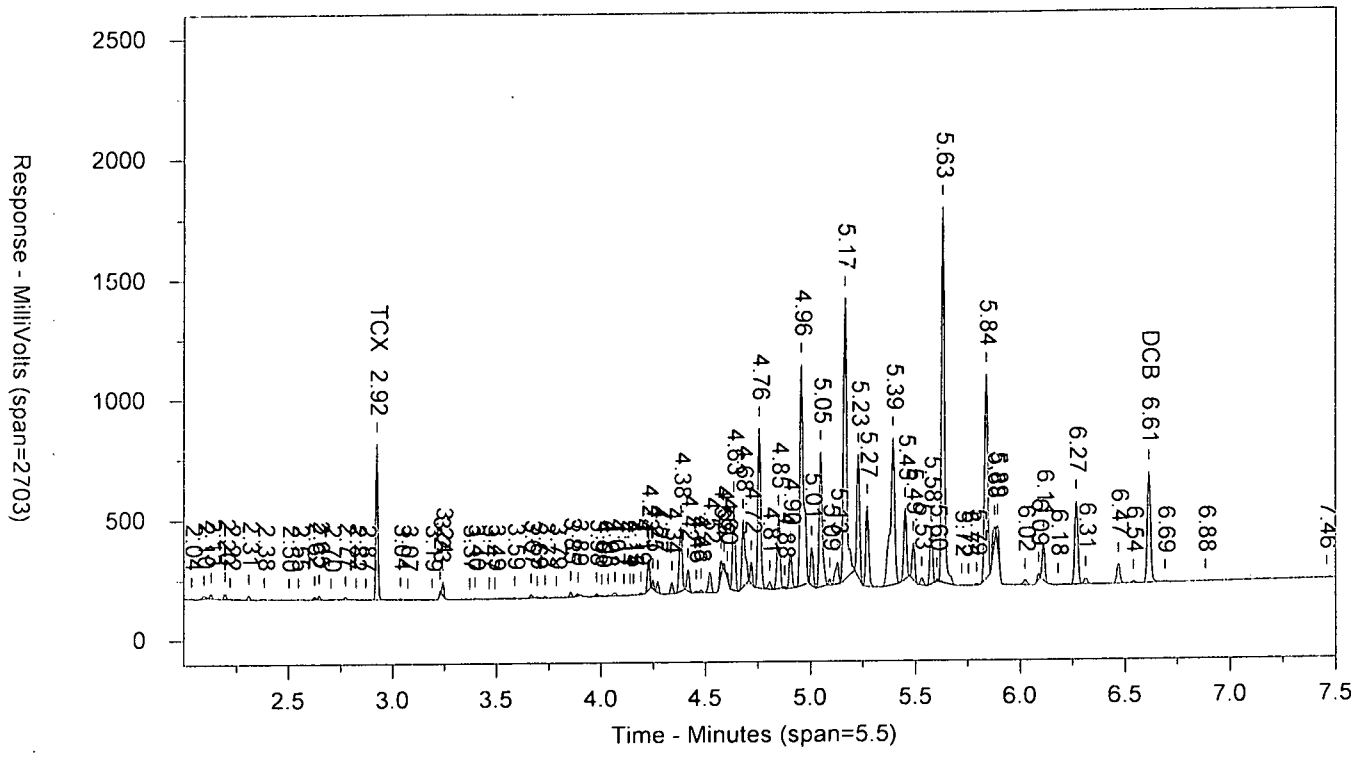

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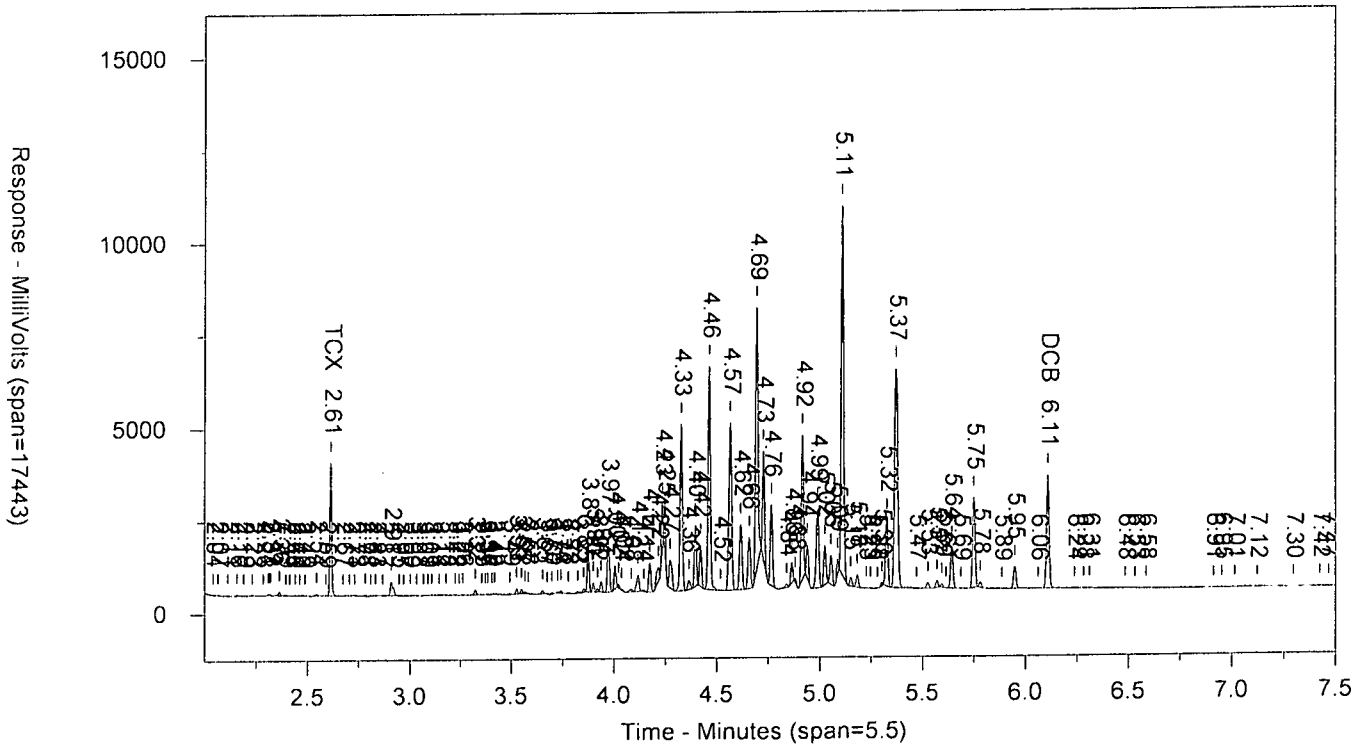


eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9001126 ACF 51A20 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.35 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 11:38:55
Instrument	17342A
Result file	20PCBS17137007.083.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 106% (61 - 152) Conc: 29.94425
%SSR(DCB) 108% (48 - 164) Conc: 30.40362

Analysis Report (B)

Injected on	May 25, 2017 11:38:55
Instrument	17342B
Result file	20PCBS17137007B.083.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 27.76
%SSR(DCB) 96% (48 - 164) Conc: 27.15961

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3521981	29.94425
Decachlorobiphenyl	6.58	6.61	6.64	2165496	30.40362

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	19862410	27.76
Decachlorobiphenyl	6.08	6.11	6.14	13694690	27.15961

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	29.94425				7.57	
☑	Decachlorobiphenyl	A	30.40362				11.27	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.61**	
4.73	4.76	4.77	1257223	289.84329			1
5.20	5.23	5.24	831846.1	296.419501			3
5.37	5.39	5.41	807715.6	252.252907			4
5.61	5.63	5.65	2727597	351.404603			5
5.82	5.84	5.86	1573097	360.769583			6

Height summation: **7197478.7**
Concentration CF: **310.137977** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.40**	
4.31	4.33	4.35	9072884	310.482207			1
4.44	4.46	4.48	11999440	348.210109			2
4.55	4.57	4.59	8034454	289.783998			3
4.90	4.92	4.94	6103110	286.368518			4
5.09	5.11	5.13	16694570	345.175904			5
5.35	5.37	5.39	10069300	311.219265			6

Height summation: 61973758
Concentration CF: **315.206667** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49.2754	<9.5652			4	
☑	PCB-1221			<49.2754	<14.7826			3	
☑	PCB-1232			<49.2754	<11.8841			4	
☑	PCB-1242			<49.2754	<11.8841			4	
☑	PCB-1248			<49.2754	<9.5652			4	
☑	PCB-1254			<49.2754	<12.7536			4	
☑	PCB-1260	B	315.206667	49.2754	11.3043		1.62	4	

Units: ug/kg

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

Reviewed by: Kirby R. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001126** ACF 51A20 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.35 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 11:38:55
Instrument : CP20--17342A
Result file : 20PCBS17137007.083.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 106% (61-152) Conc.: 29.94425
%SSR(DCB) : 108% (48-164) Conc.: 30.40362

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**107.26**	
3.16	3.18	3.20	5608.877	2.641101			1
3.37	3.40	3.41	6411.075	2.956412			2
3.49	3.51	3.53	4610.253	1.888352			3
3.71	3.73	3.75	26957.41	9.966065			4
3.76	3.79	3.80	8703.652	3.934			5
3.96	3.98	4.00	38615.09	21.767663			6
Height Summation:			**90906.357**				
Amount Avg CF:			**7.192266**	Linear:			
Aroclor-1221					**3**	**86.31**	
3.06	3.07	3.10	1580.205	1.553301			1
3.11	3.12	3.15	6151.5	6.994425			2
3.16	3.18	3.20	5608.877	1.9741			3
Height Summation:			**13340.582**				
Amount Avg CF:			**3.507275**	Linear:			
Aroclor-1232					**6**	**119.40**	
3.16	3.18	3.20	5608.877	2.200757			1
3.38	3.40	3.42	6411.075	6.251492			2
3.49	3.51	3.53	4610.253	4.097072			3
3.71	3.73	3.75	26957.41	22.084006			4
3.77	3.79	3.81	8703.652	9.09479			5
3.96	3.98	4.00	38615.09	52.198624			6
Height Summation:			**90906.357**				
Amount Avg CF:			**15.98779**	Linear:			
Aroclor-1242					**6**	**108.60**	
3.16	3.18	3.20	5608.877	3.082947			1
3.38	3.40	3.42	6411.075	3.568573			2
3.49	3.51	3.53	4610.253	2.343563			3
3.71	3.73	3.75	26957.41	12.181411			4
3.77	3.79	3.81	8703.652	5.023282			5
3.96	3.98	4.00	38615.09	27.262094			6
Height Summation:			**90906.357**				
Amount Avg CF:			**8.910312**	Linear:			
Aroclor-1248					**6**	**166.31**	
3.76	3.79	3.80	8703.652	7.245827			1
3.83	3.86	3.87	78986.27	36.157809			2
3.96	3.98	4.00	38615.09	15.009887			3
4.05	4.07	4.09	43775.02	20.468801			4
4.23	4.23	4.27	412321.2	162.75158			5
+ 4.23	4.25	4.27	65738.66	25.948389			5
4.61	4.64	4.65	1125596	606.088139			6
Height Summation:			**1707997.232**				
Amount Avg CF:			**141.287007**	Linear:			
Aroclor-1254					**6**	**81.79**	
4.21	4.23	4.25	412321.2	138.037924			1
4.55	4.57	4.59	321516.1	107.105426			2
4.61	4.64	4.65	1125596	185.654842			3
4.73	4.76	4.77	1257223	690.856316			4
4.83	4.85	4.87	721014.9	179.958043			5
5.14	5.17	5.18	2541955	617.628866			6
Height Summation:			**6379626.2**				
Amount Avg CF:			**319.87357**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 11:38:55
Instrument : CP20--17342B
Result file : 20PCBS17137007B.083.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 98% (61-152) Conc.: 27.76
%SSR(DCB) : 96% (48-164) Conc.: 27.15961

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**74.02**	
+ 3.21	3.22	3.25	32614.64	2.242495			2
3.21	3.24	3.25	51406.85	3.534596			2
+ 3.40	3.40	3.44	89325.48	6.112254			3
+ 3.40	3.42	3.44	9062.485	0.620117			3
3.40	3.43	3.44	119935.4	8.206792			3
3.47	3.49	3.51	61300.84	3.546961			4
3.63	3.65	3.67	268570.5	18.495814			5
+ 3.72	3.73	3.76	75841.95	6.095308			6
3.72	3.74	3.76	245543.5	19.733978			6
Height Summation:			**746757.09**				
Amount Avg CF:			**10.703628**	Linear:			
Aroclor-1221					**2**	**4.94**	
2.77	2.78	2.81	43395.12	7.025945			1
2.83	2.83	2.87	24945.75	6.551897			2
Height Summation:			**68340.87**				
Amount Avg CF:			**6.788921**	Linear:			
Aroclor-1232					**5**	**85.37**	
+ 3.21	3.22	3.25	32614.64	4.719667			2
3.21	3.24	3.25	51406.85	7.439089			2
+ 3.40	3.40	3.44	89325.48	14.448298			3
+ 3.40	3.42	3.44	9062.485	1.465847			3
3.40	3.43	3.44	119935.4	19.399419			3
3.47	3.49	3.51	61300.84	8.0706			4
+ 3.66	3.67	3.70	72607.66	35.003052			5
3.66	3.70	3.70	129209.9	62.290134			5
+ 3.73	3.73	3.77	75841.95	13.945693			6
3.73	3.74	3.77	245543.5	45.150134			6
Height Summation:			**607396.49**				
Amount Avg CF:			**28.469875**	Linear:			
Aroclor-1242					**5**	**75.09**	
+ 3.21	3.22	3.25	32614.64	2.713838			2
3.21	3.24	3.25	51406.85	4.277523			2
+ 3.40	3.40	3.44	89325.48	7.558312			3
+ 3.40	3.42	3.44	9062.485	0.766826			3
3.40	3.43	3.44	119935.4	10.148383			3
3.47	3.49	3.51	61300.84	4.538407			4
3.64	3.65	3.68	268570.5	24.149734			5
+ 3.64	3.67	3.68	72607.66	6.528847			5
+ 3.73	3.73	3.77	75841.95	7.613572			6
3.73	3.74	3.77	245543.5	24.649461			6
Height Summation:			**746757.09**				
Amount Avg CF:			**13.552701**	Linear:			
Aroclor-1248					**6**	**167.92**	
+ 3.40	3.40	3.44	89325.48	15.497582			1
+ 3.40	3.42	3.44	9062.485	1.572302			1
3.40	3.43	3.44	119935.4	20.808269			1
3.51	3.53	3.55	514503.6	31.649331			2
3.63	3.65	3.67	268570.5	13.223445			3
+ 3.72	3.73	3.76	75841.95	5.171537			4
3.72	3.74	3.76	245543.5	16.743203			4
3.86	3.87	3.90	3214261	115.715242			5
4.22	4.24	4.26	6500674	529.308867			6
Height Summation:			**10863488**				
Amount Avg CF:			**121.241393**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001126** ACF 51A20 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10.35 g Total Volume: 10 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 11:38:55
Instrument : CP20--17342A
Result file : 20PCBS17137007.083.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	28.02	
4.73	4.76	4.77	1257223	289.84329			1
5.03	5.05	5.07	1260446	525.910915			2
+ 5.20	5.20	5.24	21649.72	7.714647			3
5.20	5.23	5.24	831846.1	296.419501			3
+ 5.37	5.38	5.41	86187.8	26.916805			4
5.37	5.39	5.41	807715.6	252.252907			4
5.61	5.63	5.65	2727597	351.404603			5
5.82	5.84	5.86	1573097	360.769583			6
Height Summation:			**8457924.7**				
Amount Avg CF:			**346.100133**	Linear:			
Aroclor-1262					6	44.25	
5.21	5.23	5.24	831846.1	160.994642			1
+ 5.37	5.38	5.41	86187.8	20.648076			2
5.37	5.39	5.41	807715.6	193.50503			2
E 5.61	5.63	5.65	2727597	270.359283			3
E 5.81	5.84	5.85	1573097	282.142701			4
5.87	5.88	5.91	138665.8	50.20426			5
+ 5.87	5.89	5.91	88662.41	32.100422			5
6.25	6.27	6.29	616909.2	183.590259			6
Height Summation:			**6695830.7**				
Amount Avg CF:			**190.132696**	Linear:			
Aroclor-1268					6	122.01	
5.81	5.84	5.85	1573097	126.881257			1
5.87	5.88	5.91	138665.8	12.818544			2
+ 5.87	5.89	5.91	88662.41	8.196131			2
6.00	6.02	6.04	48670.34	4.825058			3
6.07	6.09	6.11	59611.68	25.777461			4
6.25	6.27	6.29	616909.2	148.066761			5
6.45	6.47	6.49	142334.6	4.365378			6
Height Summation:			**2579288.62**				
Amount Avg CF:			**53.789077**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 11:38:55
Instrument : CP20--17342B
Result file : 20PCBS17137007B.083.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	81.03	
4.16	4.17	4.19	2511400	116.067489			1
4.22	4.24	4.26	6500674	169.322001			2
4.31	4.33	4.35	9072884	508.010574			3
4.38	4.40	4.42	4240536	164.306641			4
4.44	4.46	4.48	11999440	807.368909			5
4.60	4.62	4.64	4345617	240.004508			6
Height Summation:			**38670551**				
Amount Avg CF:			**334.18002**	Linear:			
Aroclor-1260					6	8.40	
4.31	4.33	4.35	9072884	310.482207			1
4.44	4.46	4.48	11999440	348.210109			2
4.55	4.57	4.59	8034454	289.783998			3
4.90	4.92	4.94	6103110	286.368518			4
5.09	5.11	5.13	16694570	345.175904			5
5.35	5.37	5.39	10069300	311.219265			6
Height Summation:			**61973758**				
Amount Avg CF:			**315.206667**	Linear:			
Aroclor-1262					6	33.02	
4.71	4.73	4.75	4332098	129.135543			1
4.90	4.92	4.94	6103110	182.888289			2
E 5.09	5.11	5.13	16694570	263.013649			3
5.31	5.33	5.35	2783925	105.845113			4
E 5.35	5.37	5.39	10069300	237.84499			5
5.73	5.75	5.77	4121409	179.88282			6
Height Summation:			**44104412**				
Amount Avg CF:			**183.101734**	Linear:			
Aroclor-1268					6	116.22	
5.31	5.33	5.35	2783925	32.499631			1
5.35	5.37	5.39	10069300	116.102886			2
5.51	5.53	5.55	335452.1	4.502189			3
5.57	5.59	5.61	261864.7	14.536384			4
5.73	5.75	5.77	4121409	141.178267			5
5.93	5.95	5.97	937654.5	4.226156			6
Height Summation:			**18509605.3**				
Amount Avg CF:			**52.174252**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.2754	9.5652		39.24	4	40	
Aroclor-1221			49.2754	14.7826		** 63.74	3	5	
Aroclor-1232			49.2754	11.8841		** 56.15	4	10	
Aroclor-1242			49.2754	11.8841		** 41.33	4	30	
Aroclor-1248			49.2754	9.5652		15.27	4	40	
Aroclor-1254			49.2754	12.7536		4.37	4	40	
Aroclor-1260			49.2754	11.3043		9.34	4	40	
Aroclor-1262			49.2754	9.5652	E	3.77	4	40	
Aroclor-1268			49.2754	9.5652		3.05	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001126ACF AB51A20 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:38:55 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.083.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.004		2085	907
2.037		10424	10627
2.1		10183	13164
2.129		84905	53475
2.197		87005	57826
2.217		9964	5664
2.309		29553	18775
2.328		4236	2185
2.387		9745	10317
2.422		1164	686
2.541		898	528
2.569		6407	4347
2.626		9103	4658
2.647		110915	71570
2.7		805	729
2.731		2186	2033
2.798		1711	768
2.827		3630	2925
2.854		944	593
2.872		1069	990
2.924	TCX	3521981	2343677
3.009		1213	747
3.036		7967	5019
3.069		1580	2270
3.107		1350	536
3.122		6152	3867
3.178		5609	7903
3.229		579584	524687
3.396		6411	3956
3.466		2017	1256
3.514		4610	2965
3.556		955	755
3.587		11407	8388
3.657		4863	3355
3.699		19160	19147
3.734		26957	22919
3.787		8704	7969
3.827		2592	2250
3.855		78986	59763
3.883		24419	18717
3.904		29905	17816
3.979		38615	27417
4.004		7844	4721
4.034		15243	10641
4.069		43775	44801
4.111		17218	13623
4.138		6195	3897
4.191		15371	11481
4.228		412321	305057
4.248		65739	35629
4.272		165129	130548
4.339		132651	112957
4.381		718793	711206
4.416		305939	245655

RT A	Compound A	Height A	Area A
4.456		26199	18671
4.479		40767	30394
4.522		260441	244365
4.573		321516	335362
4.605		133949	83805
4.635		1125596	973293
4.68		465074	527969
4.719		216883	167669
4.757		1257223	1187077
4.807		83815	75819
4.849		721015	720404
4.878		18148	10550
4.904		271627	252309
4.956		1798301	2228766
5.006		237883	216368
5.05		1260446	1231049
5.092		81486	59330
5.128		178743	221598
5.165		2541955	2622678
5.205		21650	7398
5.228		831846	737218
5.271		589139	569526
5.375		86188	81090
5.392		807716	620984
5.45		503746	457399
5.491		284697	257351
5.53		56368	55336
5.575		435126	384593
5.601		31950	18803
5.631		2727597	2744486
5.719		4760	4408
5.755		1809	1532
5.795		1056	675
5.838		1573097	1542377
5.876		138666	148767
5.89		88662	76205
6.024		48670	60493
6.086		59612	43833
6.11		239399	211988
6.181		4078	6568
6.233		1609	990
6.267		616909	603079
6.313		42231	41889
6.468		142335	152044
6.613	DCB	2165496	2267211
6.69		4207	2985
7.18		696	2520
7.677		701	1028
7.779		3878	5357
8.03		12668	20511
8.685		2787	3072

LANCASTER LABORATORIES

Sample Number: 9001126ACF AB51A20 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:38:55 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.083.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

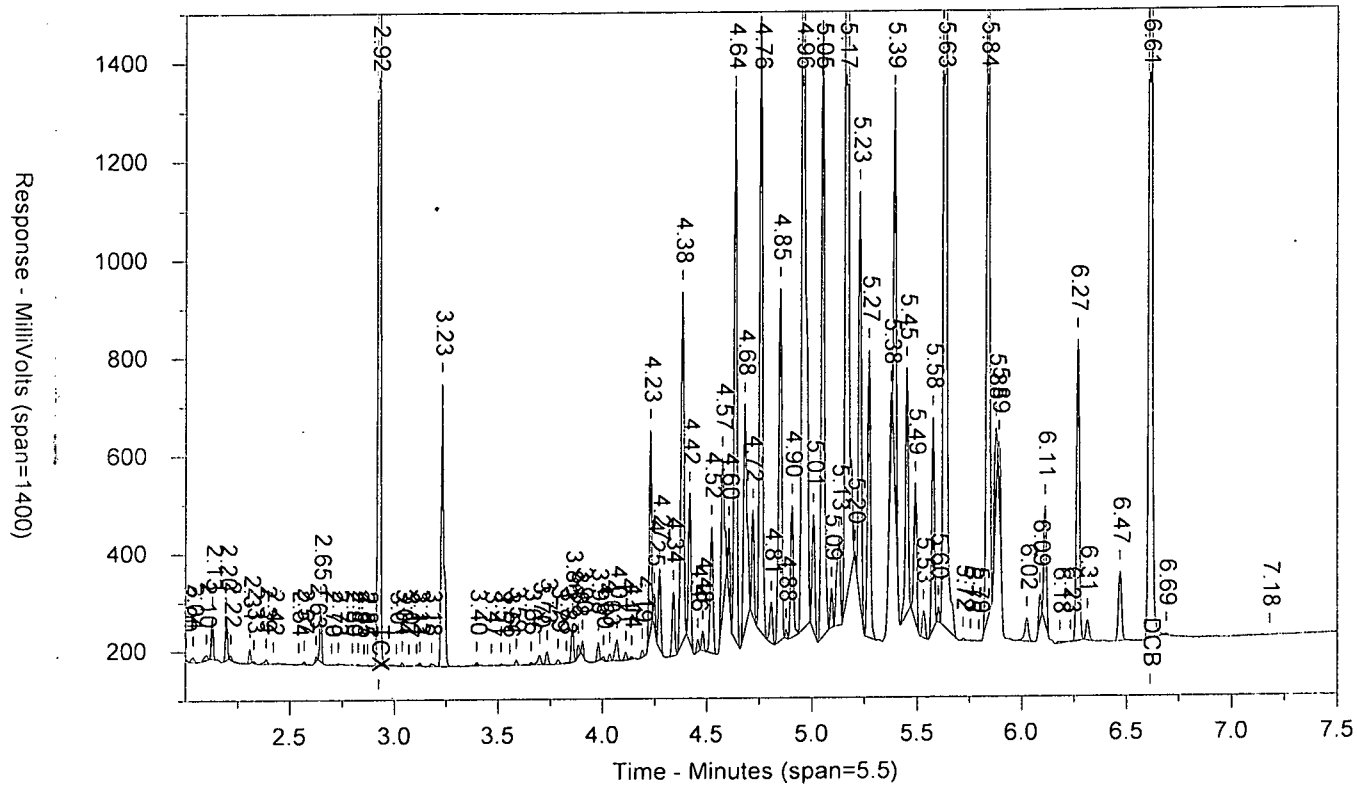
RT B	Compound B	Height B	Area B
2.002		2113	236
2.051		30666	23590
2.095		10875	5757
2.112		55617	30436
2.155		52636	32113
2.182		19294	14229
2.213		7216	4371
2.231		15667	17412
2.284		7691	7509
2.318		49056	42178
2.362		600432	407220
2.396		13968	7742
2.432		15187	10715
2.46		4953	3164
2.49		6450	3962
2.509		5512	2856
2.534		13882	14882
2.568		5768	3222
2.586		9472	4868
2.614	TCX	19862410	11266120
2.677		16325	8851
2.708		4443	2453
2.733		9712	5690
2.756		2759	1449
2.783		43395	22737
2.811		20899	13763
2.832		24946	14747
2.875		18852	12352
2.92		3121005	2312794
2.947		19570	9740
2.995		9122	10462
3.032		21703	13423
3.061		3376	2985
3.088		3088	1304
3.105		23765	20881
3.15		6694	4158
3.177		11460	7605
3.225		32615	21638
3.243		51407	26923
3.263		38241	24009
3.319		51105	45073
3.383		59843	50533
3.403		89325	47008
3.418		9062	3637
3.433		119935	64496
3.491		61301	46259
3.526		514504	315844
3.549		276887	151244
3.567		253127	134408
3.652		268571	169481
3.675		72608	39962
3.696		129210	98320
3.725		75842	37550
3.741		245544	145535

RT_B	Compound B	Height B	Area B
3.78		83721	69047
3.823		96353	88113
3.852		271411	159915
3.874		3214261	2031586
3.899		691970	404395
3.919		416230	225041
3.938		746902	455778
3.973		4444672	2915927
4.005		1914632	1247485
4.023		549986	260356
4.084		283877	219362
4.118		1474563	1121795
4.139		55119	46666
4.175		2511401	1839598
4.209		1271131	1080450
4.235		6500674	6265734
4.274		1393909	1390960
4.327		9072884	7133764
4.364		620702	510204
4.397		4240536	2935844
4.421		2110646	1445107
4.463		11999440	9183049
4.518		34474	26355
4.566		8034454	7911987
4.616		4345617	3629968
4.657		2682477	2245050
4.694		14648590	12214910
4.727		4332098	3003478
4.765		3779713	2870190
4.839		322163	286643
4.865		835813	555176
4.882		316928	174286
4.916		6103110	4639004
4.939		2429912	1643241
4.989		3373427	3033247
5.025		1878931	1472332
5.055		1346846	1070826
5.088		923632	565119
5.11		16694570	13782130
5.151		353184	247294
5.183		589355	489903
5.223		9054	5712
5.247		19128	12097
5.302		134065	88322
5.325		2783925	2290501
5.37		10069300	10611390
5.441		10727	8508
5.468		5374	6870
5.525		335452	290397
5.57		341536	256981
5.594		261865	182801
5.642		1771392	1490372
5.687		8825	6593
5.722		10087	6060
5.749		4121409	3317839
5.78		245938	184751
5.949		937655	816186
5.979		5118	2696
6.066		2952	2269
6.107	DCB	13694690	12223310
6.283		18139	13478
6.31		88606	74024
6.447		3425	2944
6.483		2834	2260
6.53		12768	14283
6.586		10202	14720

RT B	Compound B	Height B	Area B
6.642		2801	1896
6.729		4249	7060
6.787		2899	3619
7.012		21597	24493
7.064		1890	1829
7.13		5033	6975
7.301		3132	5047
7.467		4967	12603
7.556		63518	79197
7.713		2551	3379
7.843		3251	6662
8.055		2587	3505
8.127		2685	5983
8.216		20589	38582
8.434		5409	10044

9001126ACF AB51A20 T 171430031A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137007.083.RAW



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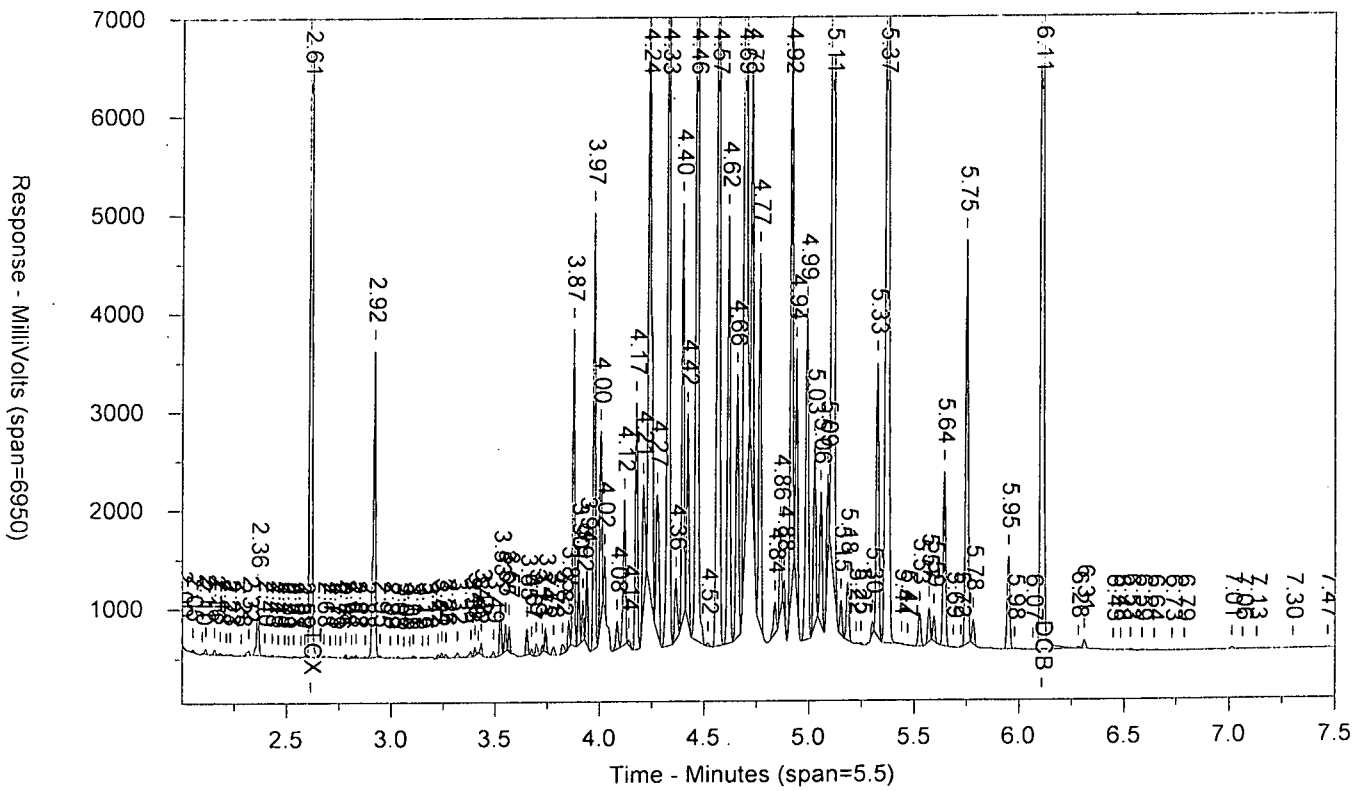

LANCASTER LABORATORIES

Sample Number: 9001126ACF AB51A20 T 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 11:38:55 AM Sample Weight: 10.35
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3521981	29.944	TCX	2.614	19862410	27.76	TCX
6.613	2165496	30.404	DCB	6.107	13694690	27.16	DCB

Files:
Area File: 20pcbs17137007.083.RAW
Area File: 20pcbs17137007B.083.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 11:47:38 AM
File Reported On: 5/25/2017 at 11:47:54 AM

9001126ACF AB51A20 T 171430031A 10225 SW-846 8082

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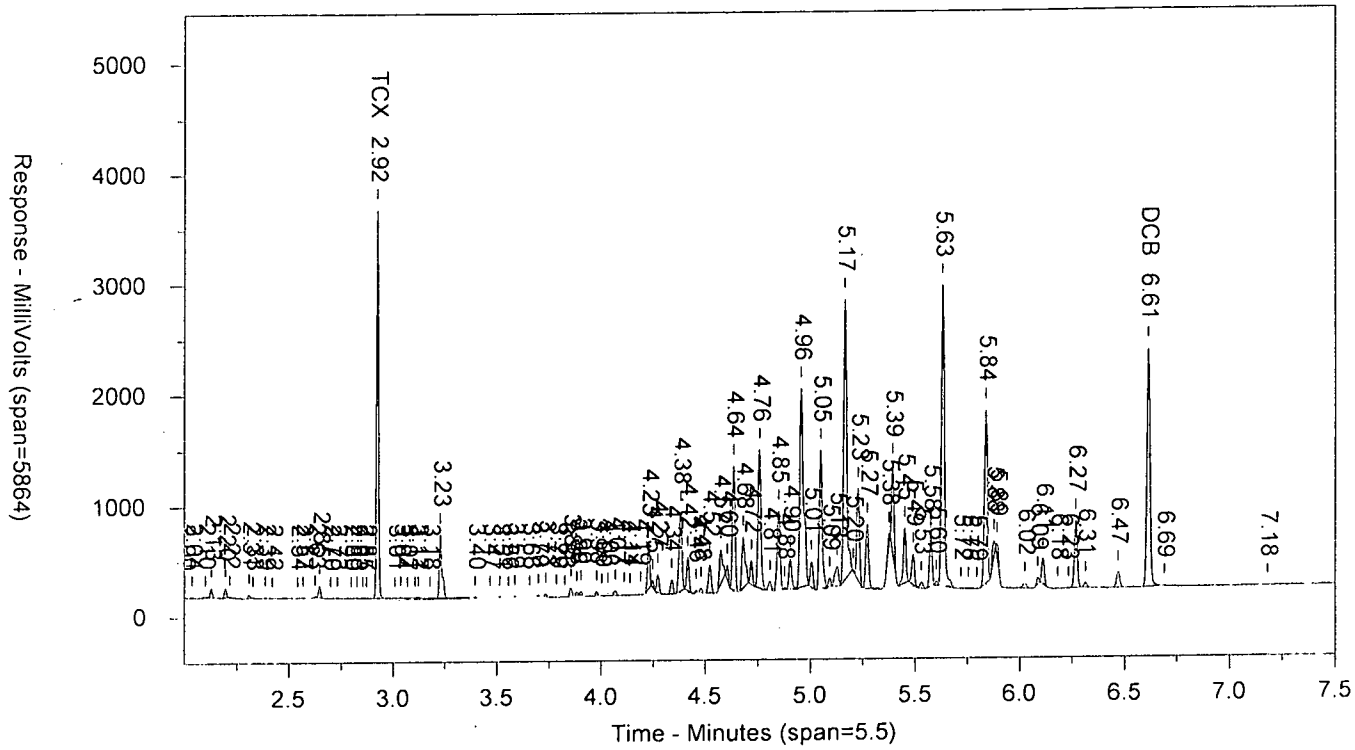

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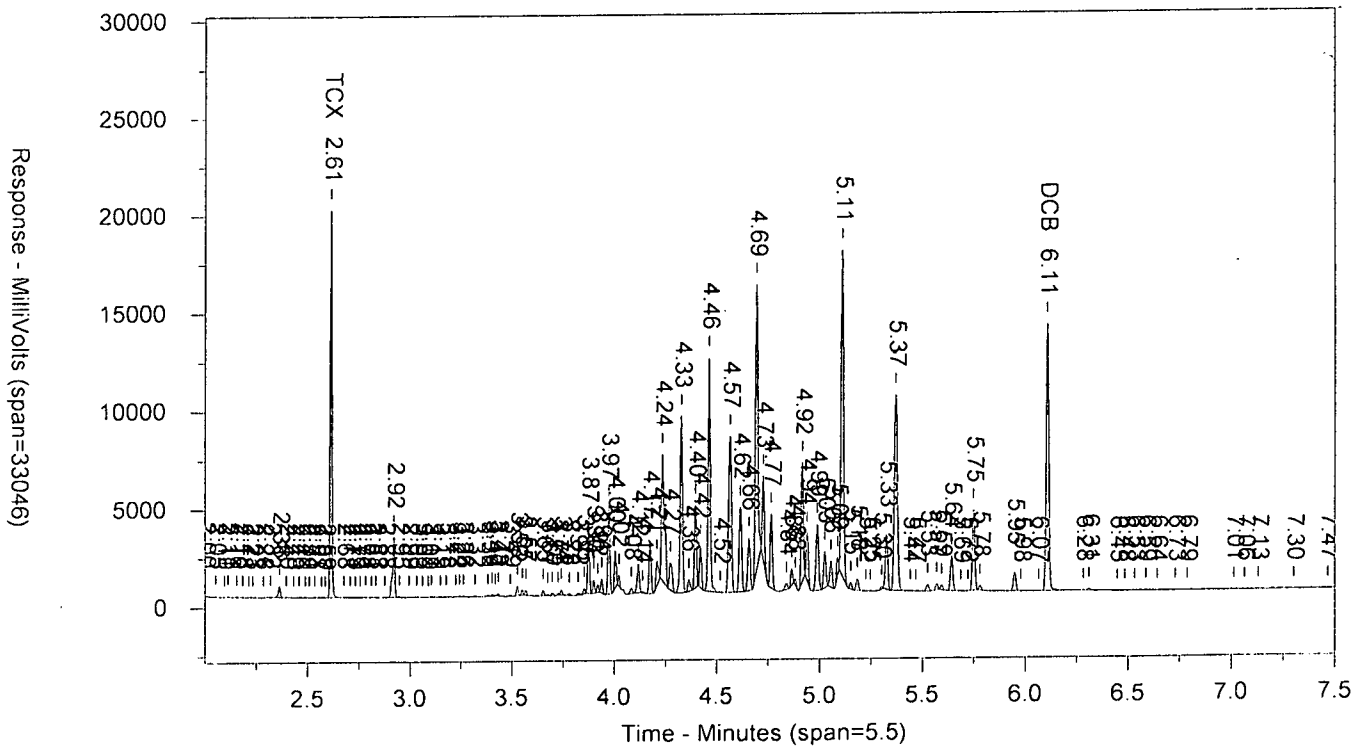

Standards Data

Polychlorinated Biphenyls (PCBs)

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 35

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
5	IBLKX1724A	5	PIBLK	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713699999	10736
6	EVALX1624B	6	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
7	AR1611724A	7	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	1	1713699999	10736
8	AR1621724A	8	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	2	1713699999	10736
9	AR1631724A	9	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	3	1713699999	10736
10	AR1641724A	10	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	4	1713699999	10736
11	AR1651724A	11	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	5	1713699999	10736
12	AR4811724A	12	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
13	AR4821724A	13	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
14	AR4831724A	14	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
15	AR4841724A	15	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
16	AR4851724A	16	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
17	AR5411724A	17	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
18	AR5421724A	18	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
19	AR5431724A	19	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
20	AR5441724A	20	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
21	AR5451724A	21	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
22	AR6231724A	22	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
23	AR6831724A	23	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
24	AR2131724A	24	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
25	AR3231724A	25	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
26	AR4231724A	26	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
27	AR16XX1724A	27	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
28	MD16X1724A	28	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
29	IC16X1724A	29	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
30	IC48X1724A	30	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
31	IC54X1724A	31	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
32	BLANKA 5/16/17 RI A	32	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171350035A	
33	LOD 5/16/17 RI A	33	CRDL	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171350035A	
34	AR1631724A	34	CCAL	BR	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
35	IBLKX1724A	35	PIBLK	UF	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713699999	10736

2324 5/17/17

Set-up by: 2855 Date: 17May17

5/17/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137006.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 131

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	1714299999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	
5 AR1631724A	5	CCAL	EA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
6 IBLKX1724A	6	PIBLK	XU	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
7 AR4231724A	7	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
8 AR4831724A	8	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
9 AR5431724A	9	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
10 BLANKA 5/22/17 CAF	10	BLK	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	171420015A	06030
11 LCSA 5/22/17 CAF	11	LCS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	171420015A	06030
12 LCSDA 5/22/17 CAF	12	LCSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	171420015A	06030
13 AR1631724A	13	CCAL	EH	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
14 IBLKX1724A	14	PIBLK	YB	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
15 8996162CAF	15	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	993	10	1	0	171420015A	06030
16 8996164CAF	16	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	996	10	1	0	171420015A	06030
17 8996429CAF	17	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	885	10	1	0	171420015A	06030
18 8997077CAF	18	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	981	10	1	0	171420015A	06030
19 8998893CAF	19	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	929	10	1	0	171420015A	06030
20 8998940CAF	20	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	983	10	1	0	171420015A	06030
21 9002486CAF	21	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	943	10	1	0	171420015A	06030
22 AR1631724A	22	CCAL	EB	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
23 IBLKX1724A	23	PIBLK	XV	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
24 9002486CAF DF5	24	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	943	50	1	0	171420015A	06030
25 9002642CAF	25	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	999	10	1	0	171420015A	06030
26 9002645CAF	26	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	972	10	1	0	171420015A	06030
27 9002646CAF	27	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	950	10	1	0	171420015A	06030
28 BLANKA 5/22/17 ACF	28	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171420023A	10885
29 LCSA 5/22/17 ACF	29	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171420023A	10885
30 9001155 RI ACF	30	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.03	10	1	0	171420023A	10885
31 9001155ACF DF5	31	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.03	50	1	0	171420023A	10885
32 9001156 RI ACF	32	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.34	10	1	0	171420023A	10885
33 9001157 RI ACF	33	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.02	10	1	0	171420023A	10885
34 AR1631724A	34	CCAL	EC	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
35 IBLKX1724A	35	PIBLK	XW	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
36 9001158 RI ACF	36	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.35	10	1	0	171420023A	10885
37 9001159 RI ACF	37	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.18	10	1	0	171420023A	10885
38 9001160 RI ACF	38	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.21	10	1	0	171420023A	10885
39 9001161 RI ACF	39	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.08	10	1	0	171420023A	10885
40 9001162 RI ACF	40	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.25	10	1	0	171420023A	10885
41 9002520 RI ACF	41	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.06	10	1	0	171420023A	10885
42 9002521 RI ACF	42	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	10	1	0	171420023A	10885
43 9002522 RI ACF	43	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.01	10	1	0	171420023A	10885
44 9002523 RI ACF	44	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.34	10	1	0	171420023A	10885
45 9002524 RI ACF	45	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.09	10	1	0	171420023A	10885
46 AR1631724A	46	CCAL	ED	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
47 IBLKX1724A	47	PIBLK	XX	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
48 9002525 RI ACF	48	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171420023A	10885
49 9002526 RI ACF	49	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.07	10	1	0	171420023A	10885
50 9002526ACF DF5	50	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.07	50	1	0	171420023A	10885

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137006.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 131

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51 9002527 RI ACF	51	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.26	10	1	0	171420023A	10885
52 9002528 RI ACF	52	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.3	10	1	0	171420023A	10885
53 9002529MSACF	53	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.43	10	1	0	171420023A	10885
54 9002530MSDACF	54	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.08	10	1	0	171420023A	10885
55 9002532 RI ACF	55	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	30.27	10	1	0	171420023A	10885
56 9002532ACF DF5	56	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.27	50	1	0	171420023A	10885
57 AR1631724A	57	CCAL	EE	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
58 IBLKX1724A	58	PIBLK	XY	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
59 9004133 RI ACF	59	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171420023A	10885
60 CONDITIONER	60	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	
61 9004133ACF DF5	61	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30	50	1	0	171420023A	10885
62 CONDITIONER	62	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	
63 BLANKA 5/23/17 ACF	63	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171420038A	10885
64 LCSA 5/23/17 ACF	64	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171420038A	10885
65 AR1631724A	65	CCAL	EF	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
66 IBLKX1724A	66	PIBLK	XZ	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
67 8980975RACF	67	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171420038A	10885
68 9002638ACF	68	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.42	10	1	0	171420038A	10885
69 9002694ACF	69	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.19	10	1	0	171420038A	10885
70 9002695ACF	70	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.18	10	1	0	171420038A	10885
71 9002697ACF	71	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.42	10	1	0	171420038A	10885
72 9002698ACF	72	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.11	10	1	0	171420038A	10885
73 9002742ACF	73	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.08	10	1	0	171420038A	10885
74 9002743MSACF	74	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.13	10	1	0	171420038A	10885
75 9002744MSDACF	75	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.48	10	1	0	171420038A	10885
76 8980697	76	T	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	30.2	10	1	0	171420038A	10885
77 8980697 DF5	77	T	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	30.2	50	1	0	171420038A	10885
78 8980697 DF10	78	T	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	30.2	100	1	0	171420038A	10885
79 AR1631724A	79	CCAL	EG	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
80 IBLKX1724A	80	PIBLK	YA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
81 9001057ACF DF50	81	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.32	500	1	0	171390036A	10225
82 8997261ACF DF5	82	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.19	50	1	0	171390035A	10885
83 8997397 RI ACF	83	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.18	10	1	0	171390035A	10885
84 8997397ACF DF5	84	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.18	50	1	0	171390035A	10885
85 8997397ACF DF10	85	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	30.18	100	1	0	171390035A	10885
86 9002727ACF DF5	86	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	50	1	0	171390035A	10885
87 9002727ACF DF10	87	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	30.1	100	1	0	171390035A	10885
88 BLANKA 5/23/17 ACF	88	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	171420037A	10225
89 LCSA 5/23/17 ACF	89	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	171420037A	10225
90 AR1631724A	90	CCAL	EI	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
91 IBLKX1724A	91	PIBLK	YC	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
92 9001131ACF DF5	92	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.29	50	1	0	171420037A	10225
93 9001132MSACF DF5	93	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.39	50	1	0	171420037A	10225
94 9001133MSDACF DF5	94	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.34	50	1	0	171420037A	10225
95 9001134ACF DF5	95	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.29	50	1	0	171420037A	10225
96 BLANKA 5/23/17 ACF	96	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	171420036A	10225
97 LCSA 5/23/17 ACF	97	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	171420036A	10225
98 9001087ACF DF10	98	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.29	100	1	0	171420036A	10225
99 9001088 RI ACF	99	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.23	10	1	0	171420036A	10225
100 9001089ACF DF50	100	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	500	1	0	171420036A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137006.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 131

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101 9001090ACF DF20	101	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.38	200	1	0	171420036A	10225
102 9001091ACF DF5	102	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.2	50	1	0	171420036A	10225
103 9001092 RI ACF	103	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.03	10	1	0	171420036A	10225
104 9001092ACF DF5	104	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.03	50	1	0	171420036A	10225
105 9001093ACF DF10	105	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.18	100	1	0	171420036A	10225
106 9001094 RI ACF	106	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.1	10	1	0	171420036A	10225
107 9001095 RI ACF	107	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.07	10	1	0	171420036A	10225
108 9001096 RI ACF	108	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.15	10	1	0	171420036A	10225
109 9001096ACF DF5	109	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.15	50	1	0	171420036A	10225
110 9001097 RI ACF	110	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.35	10	1	0	171420036A	10225
111 9001097ACF DF5	111	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.35	50	1	0	171420036A	10225
112 AR1631724A	112	CCAL	EJ	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
113 IBLKX1724A	113	PIBLK	YD	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736
114 9001098ACF DF5	114	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.24	50	1	0	171420036A	10225
115 9001099 RI ACF	115	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.27	10	1	0	171420036A	10225
116 9001099ACF DF5	116	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.27	50	1	0	171420036A	10225
117 9001100MSACF	117	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.4	10	1	0	171420036A	10225
118 9001100MSACF DF5	118	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.4	50	1	0	171420036A	10225
119 9001101MSDACF	119	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.17	10	1	0	171420036A	10225
120 9001101MSDACF DF5	120	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.17	50	1	0	171420036A	10225
121 9001102 RI ACF	121	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.23	10	1	0	171420036A	10225
122 9001103 RI ACF	122	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.21	10	1	0	171420036A	10225
123 9001103ACF DF5	123	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.21	50	1	0	171420036A	10225
124 9001104 RI ACF	124	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.26	10	1	0	171420036A	10225
125 9001105ACF DF50	125	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.09	500	1	0	171420036A	10225
126 9001106 RI ACF	126	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.32	10	1	0	171420036A	10225
127 9001107 RI ACF	127	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.12	10	1	0	171420036A	10225
128 9001107ACF DF5	128	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.12	50	1	0	171420036A	10225
129 9001108ACF DF5	129	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.43	50	1	0	171420036A	10225
130 AR1631724A	130	CCAL	EK	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714299999	10736
131 IBLKX1724A	131	PIBLK	YE	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714299999	10736

2324 5/23/17

Set-up by: 2855 Date: 23 May 17

5/23/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137007.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 100

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	1714399999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
5 AR1631724A	5	CCAL	EL	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
6 IBLKX1724A	6	PIBLK	YR	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
7 AR4231724A	7	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
8 AR4831724A	8	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
9 AR5431724A	9	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
10 9004133ACF DF10	10	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	30	100	1	0	171420023A	10885
11 CONDITIONER	11	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
12 9004133ACF DF20	12	T	AE	EPT-24\ACTIVE\CP20\20PCBS.MET	30	200	1	0	171420023A	10885
13 CONDITIONER	13	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	
14 9001089 RI ACF	14	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	10	1	0	171420036A	10225
15 9001089ACF DF5	15	T	AD	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	50	1	0	171420036A	10225
16 AR1631724A	16	CCAL	EM	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
17 IBLKX1724A	17	PIBLK	YS	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
18 BLANKA 5/24/17 CAF	18	BLK	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430011A	10227
19 LCSA 5/24/17 CAF	19	LCS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430011A	10227
20 LCSDA 5/24/17 CAF	20	LCSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430011A	10227
21 AR1631724A	21	CCAL	EV	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
22 IBLKX1724A	22	PIBLK	ZB	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
23 9001150CAF	23	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	244	2	1	0	171430011A	10227
24 9004800CAF	24	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	247	2	1	0	171430011A	10227
25 9005022CAF	25	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	231	2	1	0	171430011A	10227
26 9005023CAF	26	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	236	2	1	0	171430011A	10227
27 9007661CAF	27	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	246	2	1	0	171430011A	10227
28 BLANKA 5/24/17 CAF	28	BLK	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430009A	10591
29 LCSA 5/24/17 CAF	29	LCS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430009A	10591
30 AR1631724A	30	CCAL	EN	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
31 IBLKX1724A	31	PIBLK	YT	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
32 8995590RCAF	32	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171430009A	10591
33 8995591RCAF	33	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171430009A	10591
34 9004735CAF	34	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	100	2	1	0	171430009A	10591
35 9004736MSCAF	35	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	100	2	1	0	171430009A	10591
36 9004737MSDCAF	36	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	100	2	1	0	171430009A	10591
37 9004743CAF	37	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	232	2	1	0	171430009A	10591
38 9004745CAF	38	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	236	2	1	0	171430009A	10591
39 9004747CAF	39	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	225	2	1	0	171430009A	10591
40 9004749CAF	40	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	237	2	1	0	171430009A	10591
41 BLANKA 5/23/17 CAF	41	BLK	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430021A	10227
42 AR1631724A	42	CCAL	EO	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
43 IBLKX1724A	43	PIBLK	YU	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
44 LCSA 5/23/17 CAF	44	LCS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430021A	10227
45 8994865RCAF	45	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	247	2	1	0	171430021A	10227
46 8994866RMSCAF	46	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171430021A	10227
47 8994867RMSDCAF	47	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
48 8994870RCAF	48	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
49 8994871RCAF	49	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	246	2	1	0	171430021A	10227
50 8994872RCAF	50	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	245	2	1	0	171430021A	10227

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137007.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 100

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 8994873RCAF	51	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
52 8994874RCAF	52	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
53 8994875RCAF	53	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171430021A	10227
54 AR1631724A	54	CCAL	EP	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
55 IBLKX1724A	55	PIBLK	YV	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
56 8994876RCAF	56	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
57 8994877RCAF	57	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	247	2	1	0	171430021A	10227
58 8994878RCAF	58	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171430021A	10227
59 8994879RCAF	59	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171430021A	10227
60 BLANKA 5/24/17 ACF	60	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	171430031A	10225
61 LCSA 5/24/17 ACF	61	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10	10	1	0	171430031A	10225
62 AR1631724A	62	CCAL	EQ	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
63 IBLKX1724A	63	PIBLK	YW	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
64 9001109ACF DF10	64	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.22	100	1	0	171430031A	10225
65 9001110ACF	65	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.25	10	1	0	171430031A	10225
66 9001111ACF	66	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.19	10	1	0	171430031A	10225
67 9001112ACF	67	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.12	10	1	0	171430031A	10225
68 9001113ACF	68	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.04	10	1	0	171430031A	10225
69 9001114ACF DF5	69	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.09	50	1	0	171430031A	10225
70 9001115ACF	70	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.04	10	1	0	171430031A	10225
71 9001116ACF DF5	71	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.17	50	1	0	171430031A	10225
72 9001117ACF	72	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.03	10	1	0	171430031A	10225
73 9001118ACF DF5	73	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.22	50	1	0	171430031A	10225
74 9001118MSACF DF5	74	MS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.35	50	1	0	171430031A	10225
75 9001118MSDACF DF5	75	MSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.3	50	1	0	171430031A	10225
76 9001119ACF DF5	76	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.15	50	1	0	171430031A	10225
77 9001120ACF DF5	77	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.15	50	1	0	171430031A	10225
78 9001121ACF DF5	78	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.45	50	1	0	171430031A	10225
79 9001122ACF	79	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.05	10	1	0	171430031A	10225
80 9001123ACF DF5	80	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.25	50	1	0	171430031A	10225
81 9001124ACF DF10	81	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.42	100	1	0	171430031A	10225
82 9001125ACF DF5	82	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.05	50	1	0	171430031A	10225
83 9001126ACF	83	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.35	10	1	0	171430031A	10225
84 AR1631724A	84	CCAL	ER	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
85 IBLKX1724A	85	PIBLK	YX	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
86 9001127ACF DF5	86	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	10.02	50	1	0	171430031A	10225
87 9001128ACF	87	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	10.36	10	1	0	171430031A	10225
88 AR1631724A	88	CCAL	ES	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
89 IBLKX1724A	89	PIBLK	YY	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
90 IBLKX1724A	90	PIBLK	YZ	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
91 AR1631724A	91	CCAL	ET	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736
92 BLANKA 5/24/17 ACF	92	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171430032A	10736
93 LCSA 5/24/17 ACF	93	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171430032A	10736
94 9007238ACF	94	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.32	10	1	0	171430032A	10736
95 9007238ACF DF5	95	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	30.32	50	1	0	171430032A	10736
96 9007810ACF	96	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.24	10	1	0	171430032A	10736
97 9007811MSACF	97	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.22	10	1	0	171430032A	10736
98 9007812MSDACF	98	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.37	10	1	0	171430032A	10736
99 IBLKX1724A	99	PIBLK	ZA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1714399999	10736
100 AR1631724A	100	CCAL	EU	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1714399999	10736

2304 5/24/17

Set-up by: 2855 Date: 24 May 17

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:17:46 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.005.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.097		10351	22973
2.217		8093	6890
2.309		13352	8911
2.328		2253	1169
2.377		1896	2134
2.424		3596	3683
2.549		2766	1942
2.657		1328	1140
2.723		1183	1422
2.774		48669	42841
2.827		4138	4233
2.923	TCX	2190175	1480446
3.072		1059	969
3.123		30032	19010
3.191		4185	3519
3.231		727	551
3.254		5553	3721
3.311		938	755
3.463		814	619
3.493		1861	1317
3.53		2841	2665
3.569		7805	5002
3.667		4415	3781
3.731		834	438
3.849		2370	2762
4.005		821	547
4.171		2303	1804
4.297		7604	6578
4.402		1054	2152
4.511		2441	3244
4.854		1545	1437
4.88		2806	2102
4.926		1745	1771
5.12		6653	7437
5.205		2502	3138
5.53		7474	8218
5.651		11893	11207
5.837		2172	2660
6.022		18081	17483
6.088		15325	12996
6.109		2421	1469
6.303		1330	2858
6.332		1396	1510
6.396		997	838
6.468		15878	15449
6.614	DCB	1571934	1568764
6.922		829	3156
7.077		1207	2188
7.385		4370	68581
8.378		792	1028
8.535		912	1865

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:17:46 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.005.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		5070	4170
2.053		19278	13618
2.156		10892	10102
2.24		19388	33245
2.349		3646	3408
2.411		13901	15674
2.448		3701	2407
2.477		6150	4560
2.525		8148	7097
2.547		139202	113578
2.592		4151	1944
2.615	TCX	13497890	8027551
2.779		8147	4855
2.802		4403	2868
2.833		181836	119070
2.883		7990	10144
2.949		35183	21591
2.998		4527	5089
3.087		3300	2581
3.182		16069	22543
3.256		1660	1014
3.269		4290	1899
3.292		61578	36197
3.326		38423	23874
3.356		2460	1377
3.409		11202	8310
3.451		10604	16850
3.491		4157	5511
3.529		2070	976
3.545		2462	1195
3.565		3941	2435
3.586		2824	1392
3.61		3424	3595
3.732		7963	26313
3.775		4428	3242
3.816		2233	1362
3.936		7570	5112
3.986		5570	13287
4.076		55213	47971
4.113		3083	2223
4.154		3626	2347
4.2		8866	10595
4.247		7205	14970
4.332		1798	1706
4.374		3083	4081
4.442		24374	18026
4.532		3112	5459
4.583		10186	10153
4.645		5081	2800
4.67		39069	28721
4.842		6441	15553
4.983		3162	3561
5.064		39557	42741
5.186		74021	77324

RT B	Compound B	Height B	Area B
5.371		4696	4287
5.47		1912	1241
5.528		122755	103512
5.596		123852	115541
5.645		36634	35689
5.95		103800	86911
5.979		3273	2211
6.066		2313	2369
6.11	DCB	10753940	9517686
6.517		1882	1909
6.562		9523	11580
6.906		2483	3718
7.088		1776	1009
7.148		2335	1617
7.336		908	3362
7.443		3060	8497
7.483		1997	2090
8.152		1882	3962
8.222		16479	32043

IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082

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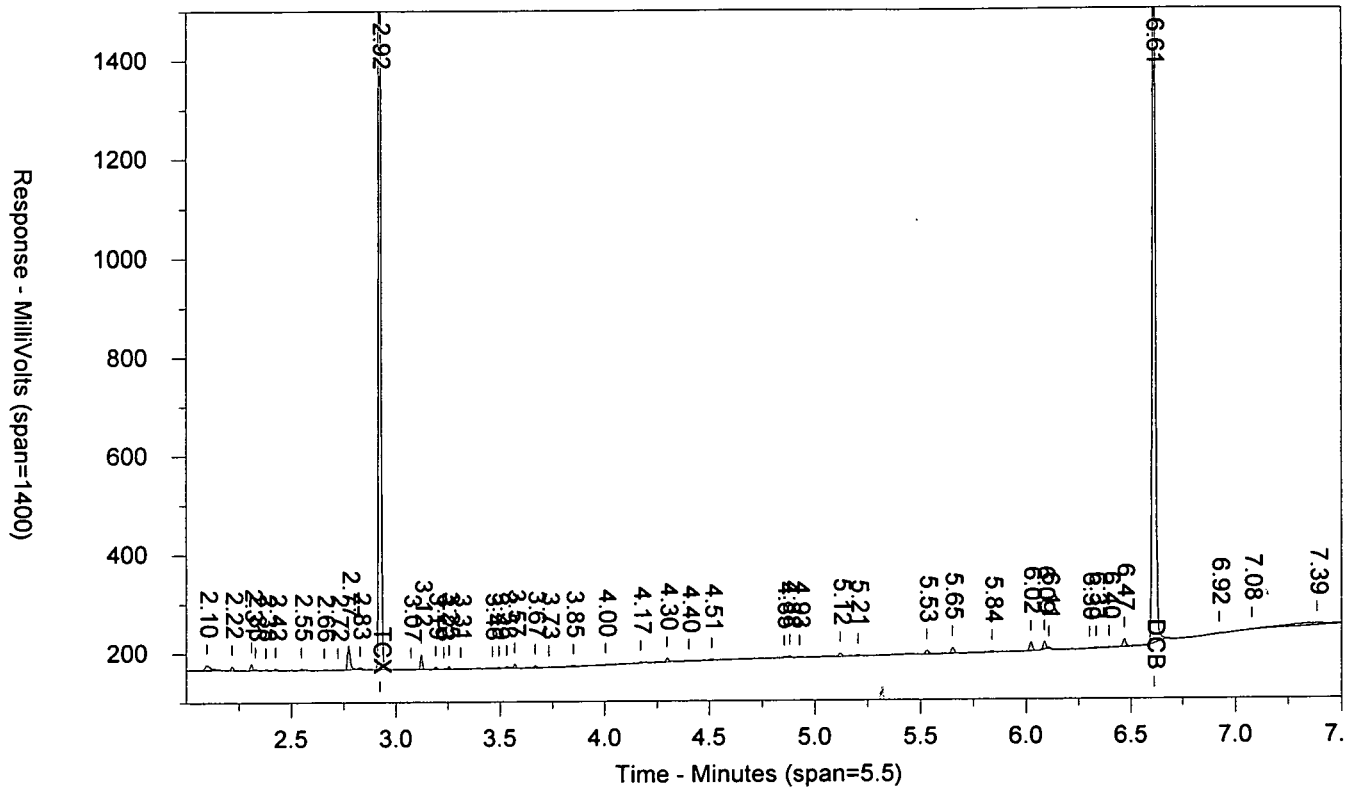

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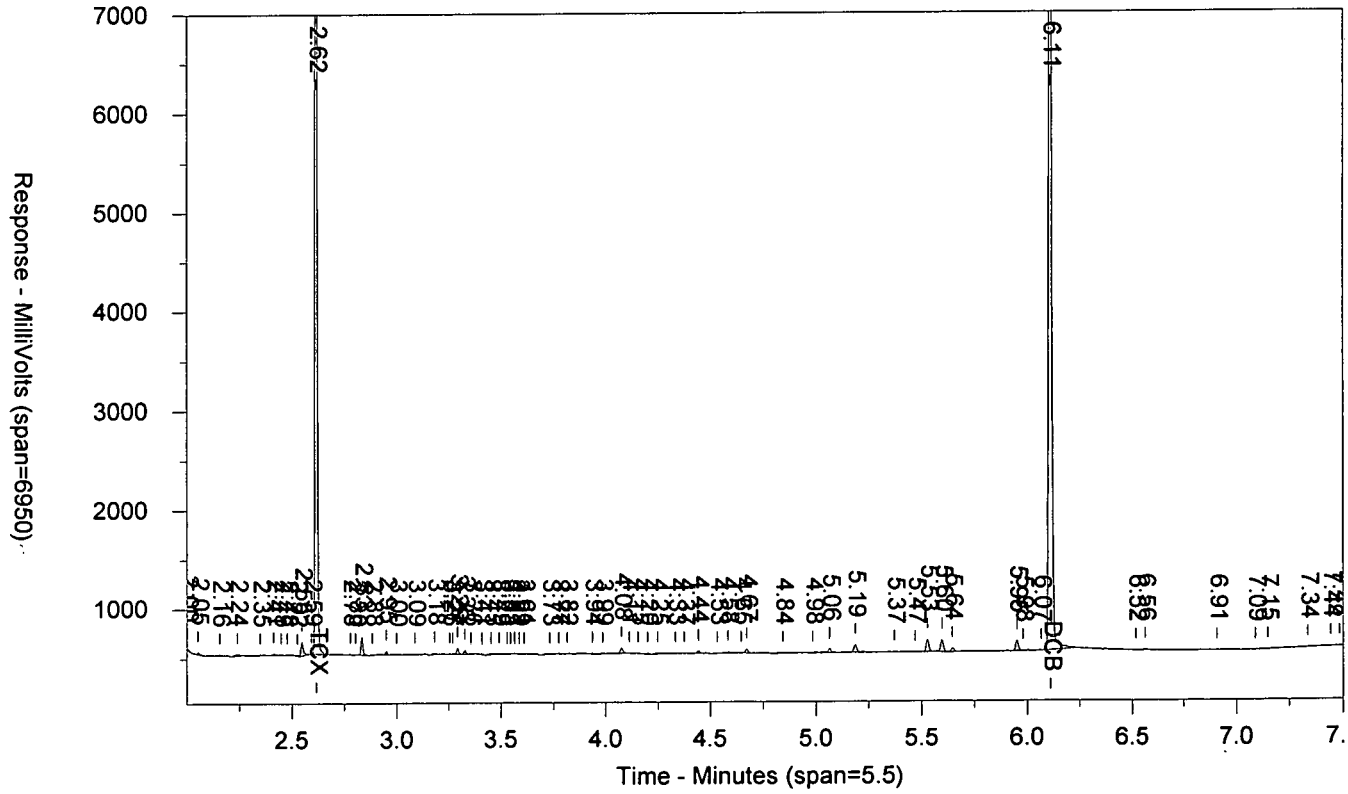

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:17:46 PM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	2190175	.193	TCX	2.615	13497890	.195	TCX
6.614	1571934	.228	DCB	6.11	10753940	.221	DCB

Files:
Area File: 20pcbs17137001.005.RAW
Area File: 20pcbs17137001B.005.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 5:26:29 PM
File Reported On: 5/18/2017 at 4:29:40 PM

IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082

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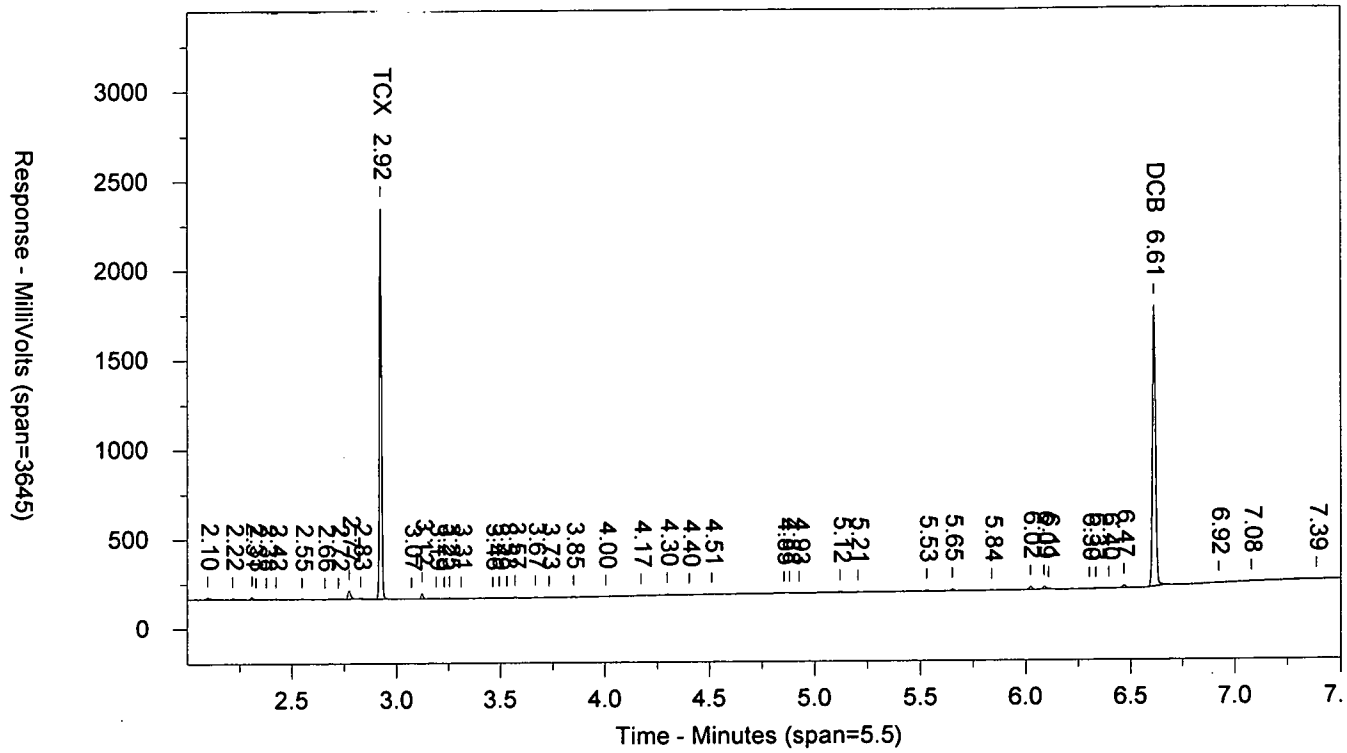

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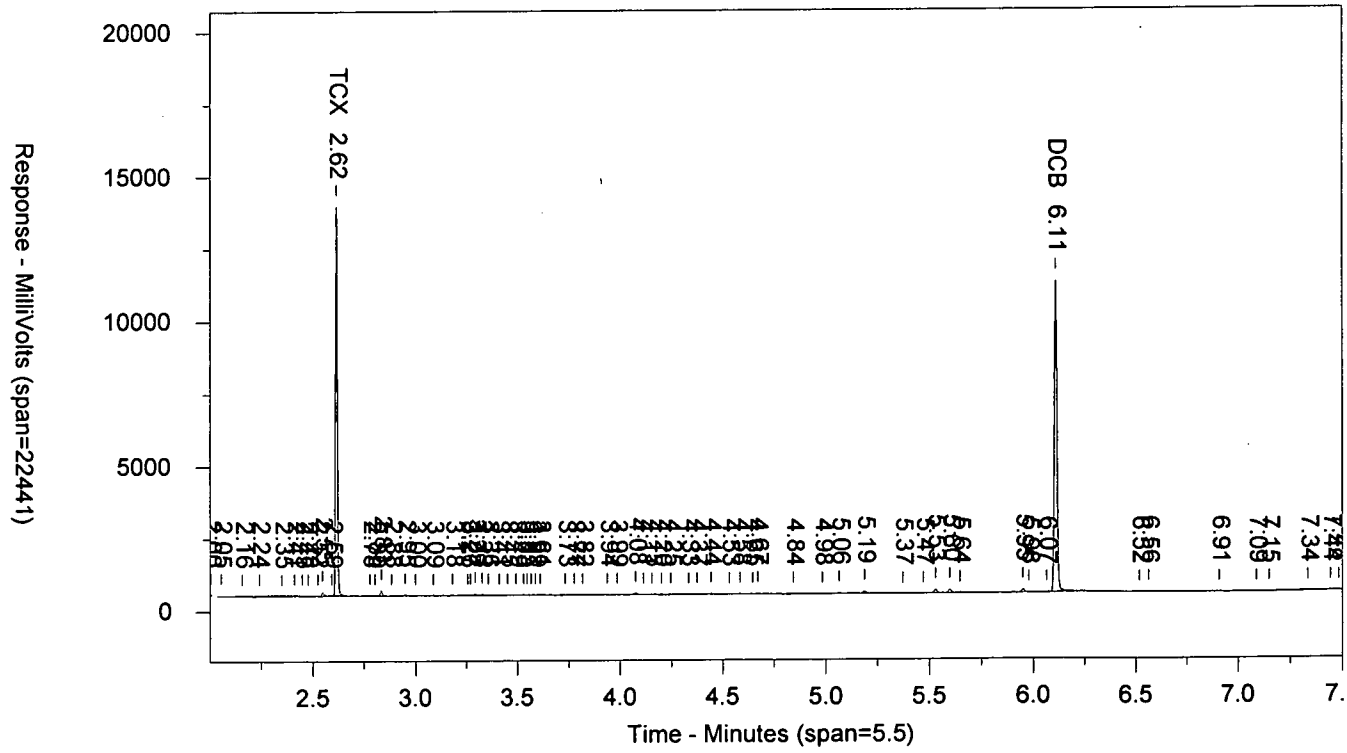


LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:29:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.006.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.008		1624	1167
2.101		7371	10860
2.217		8399	7429
2.309		18620	11978
2.338		14739	9903
2.379		2606	2611
2.423		2162	1685
2.509		29438	19036
2.55		1686	1224
2.654		1670	2220
2.773		35235	30417
2.826		1972	2066
2.923	TCX	2460172	1623398
3.01		1632	1479
3.123		33806	21250
3.211		1725720	1092090
3.254		5711	3625
3.314		12287	8575
3.411		1402945	899740
3.442		9768	6672
3.492		5104	4391
3.534		569689	379626
3.568		5067	3080
3.666		12209	10276
3.704		44691	33344
3.734		2288	1309
3.767		2180	1485
3.813		79946	61777
3.843		5973	4931
3.874		1261	822
4.001		12899	15289
4.061		2307	1658
4.09		49517	40401
4.139		2155	1823
4.17		67525	52608
4.208		12247	7397
4.225		5406	3014
4.27		1848	1439
4.296		7128	6910
4.355		1919	1495
4.384		138315	120383
4.468		5188	4255
4.506		5755	5240
4.55		27651	22160
4.575		32043	24966
4.648		4020	4663
4.707		102957	94947
4.808		130465	119663
4.846		4414080	3876867
4.875		27356	16358
4.895		10283	6114
4.952		654121	579979
5.033		29424	39829
5.113		42736	43441

RT A	Compound A	Height A	Area A
5.152		6443	4881
5.187		5836710	5297173
5.271		24660	25711
5.412		187087	196560
5.49		2880	2241
5.552		6439295	6244735
5.613		60706	60886
5.646		168866	152231
6.021		23261	23179
6.087		20904	18362
6.199		626	1637
6.467		16456	16731
6.612	DCB	1519815	1611921
6.73		786	616
6.92		1334	5813
7.072		1133	3469
7.239		772	6425
7.924		680	1322
8.516		847	1017
8.679		4882	6584

LANCASTER LABORATORIES

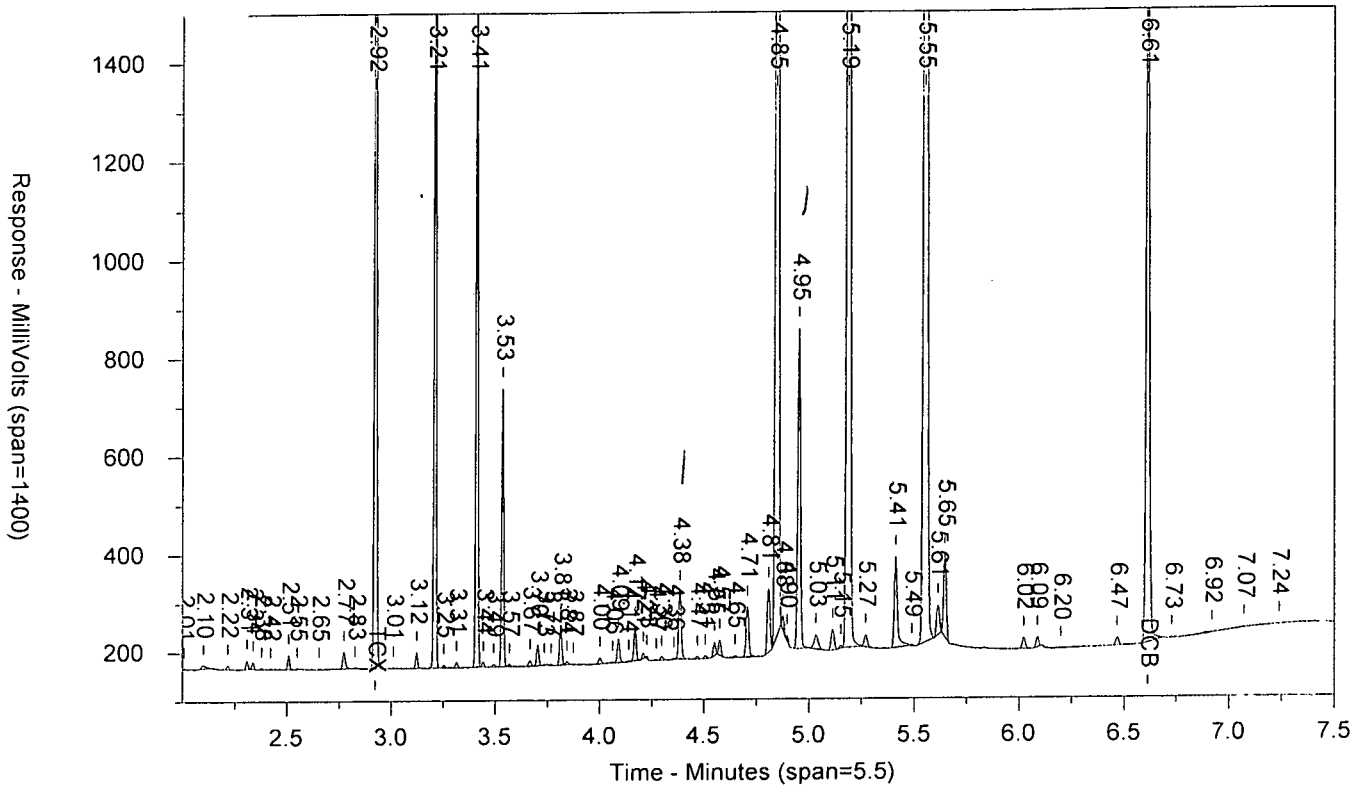
Sample Number: EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:29:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.006.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		14482	11251
2.054		22745	20859
2.12		4385	8263
2.154		121521	73021
2.186		4436	2339
2.204		8667	4053
2.24		20163	23511
2.268		4725	5305
2.322		194490	112481
2.369		6264	5355
2.396		1729	834
2.411		7627	6280
2.478		7873	10620
2.522		6489	7195
2.547		105282	86294
2.616	TCX	14968390	8787316
2.704		9697	5007
2.718		5603	2228
2.779		8495	5483
2.803		4948	4411
2.833		207107	126873
2.89		10312	15863
2.961		10984870	6007818
3.059		3357	2026
3.079		72492	44904
3.116		67078	42944
3.146		7567	3557
3.17		9248478	5090297
3.244		9563	7302
3.267		32281	20797
3.292		41291	25708
3.326		90391	52125
3.35		3801724	2184023
3.374		4366	5309
3.41		32735	20812
3.435		30054	16514
3.452		36835	19002
3.473		715957	482484
3.505		37058	21115
3.548		36403	21279
3.585		9194	34912
3.671		24171	37074
3.713		17698	21822
3.764		423272	233629
3.779		226943	108386
3.812		11252	6099
3.84		108947	71115
3.861		70008	42812
3.887		19680	27531
3.937		8253	4736
3.955		2925	1184
3.974		12077	5987
3.994		940574	639080
4.021		11676	7618

RT B	Compound B	Height B	Area B
4.072		73094	65439
4.111		10405	5451
4.127		12904	6587
4.15		266808	204023
4.192		27297	24076
4.246		214695	192948
4.299		10116	10420
4.369		682745	487834
4.392		9047	4887
4.429		28209590	21447590
4.468		143269	105580
4.521		4757546	3559945
4.565		43817	42054
4.634		185888	163363
4.67		41971	26791
4.701		40345090	30605000
4.76		382204	309202
4.791		32127	20828
4.82		2814	2204
4.844		5379	2654
4.872		121340	110022
4.913		4445	3157
4.984		5839	4612
5.027		950339	835636
5.063		38994	28367
5.132		36772390	31724590
5.187		293744	245486
5.243		2909	934
5.309		1426719	1222632
5.362		36658	31012
5.451		3244	4446
5.528		165758	136380
5.596		155772	138050
5.644		41938	37196
5.9		2733	3027
5.95		119068	97353
5.981		3788	2404
6.072		2112	1528
6.11	DCB	11184720	9742197
6.46		7048	6308
6.559		6404	6016
6.792		4598	4703
6.974		1919	2643
7.149		2127	3361
7.357		4626	26426
7.436		2271	7973
8.219		16862	38949

EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.006.RAW



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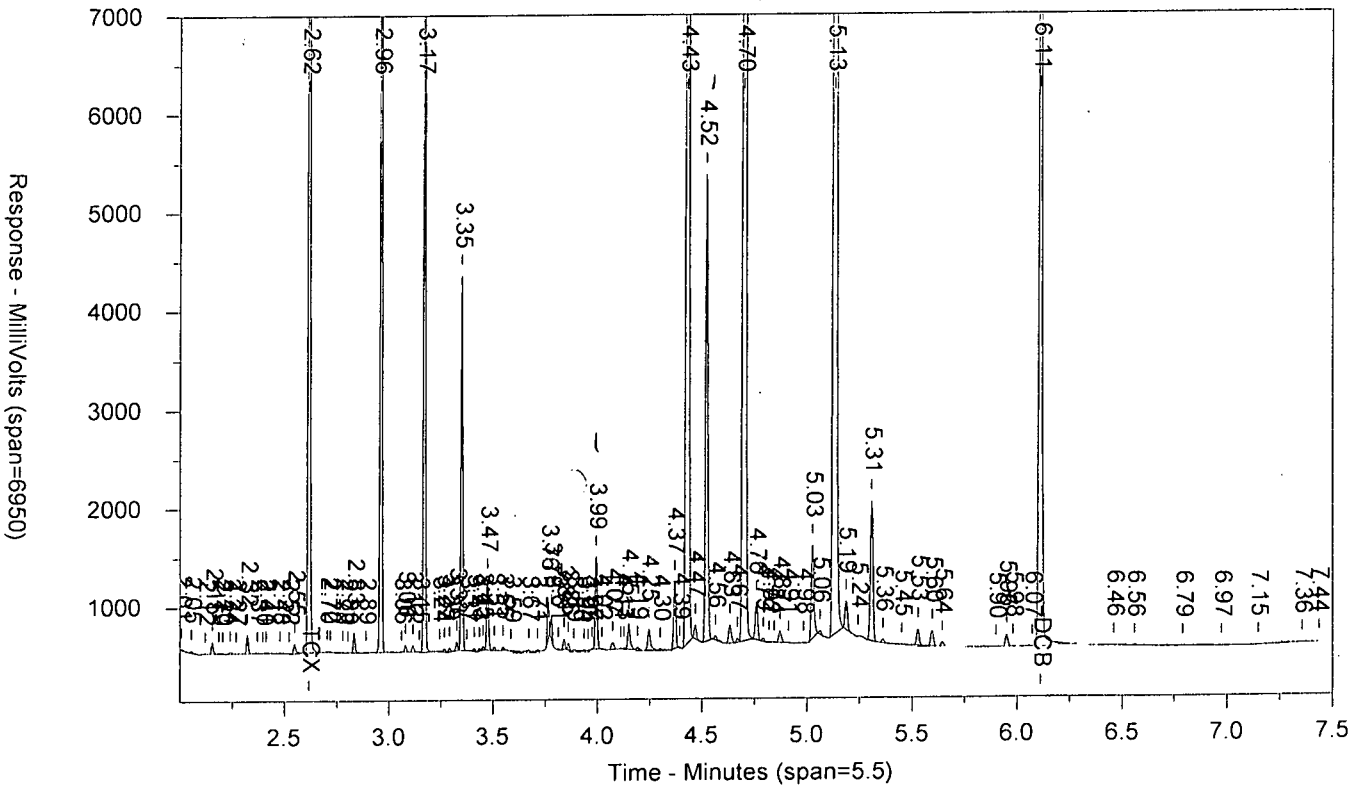

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:29:04 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	2460172	22.902	TCX	2.616	14968390	22.91	TCX
6.612	1519815	24.622	DCB	6.11	11184720	25.991	DCB

Files:
Area File: 20pcbs17137001.006.RAW
Area File: 20pcbs17137001B.006.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 5:37:49 PM
File Reported On: 5/17/2017 at 5:37:57 PM

EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082

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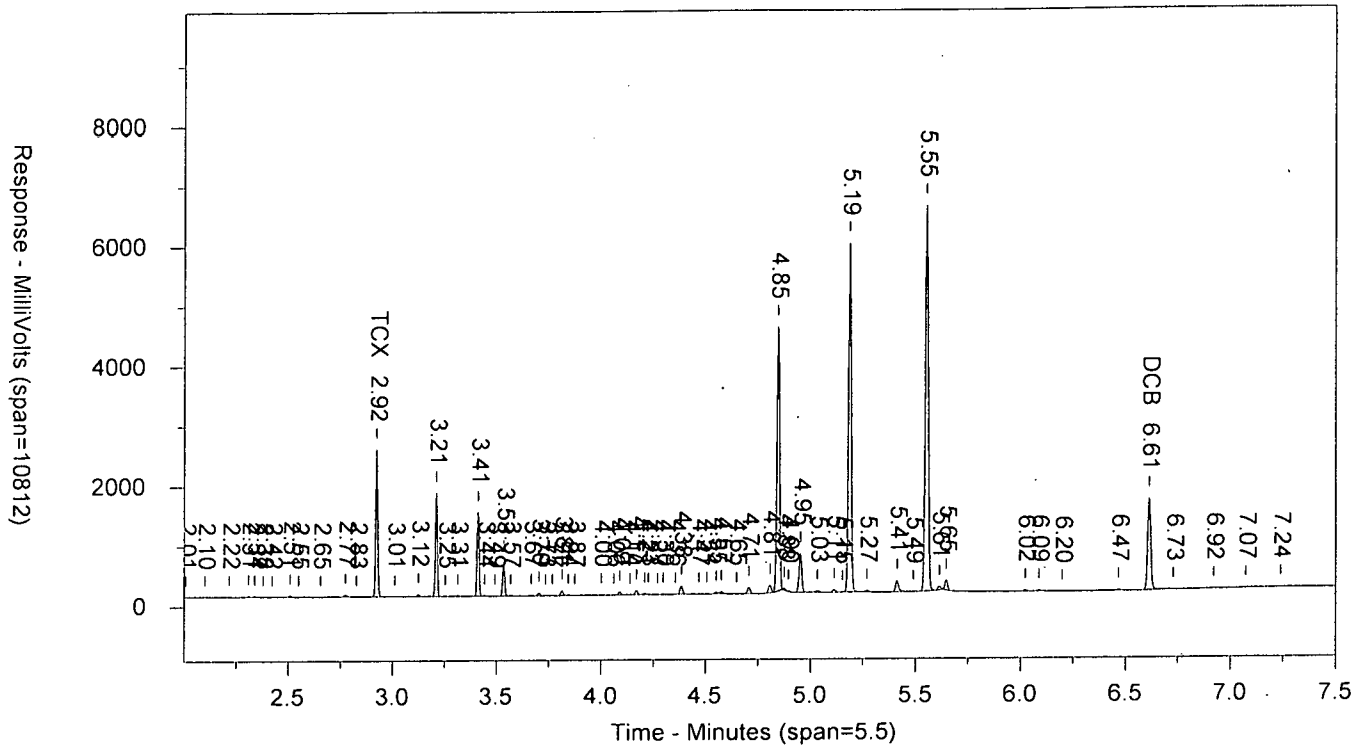

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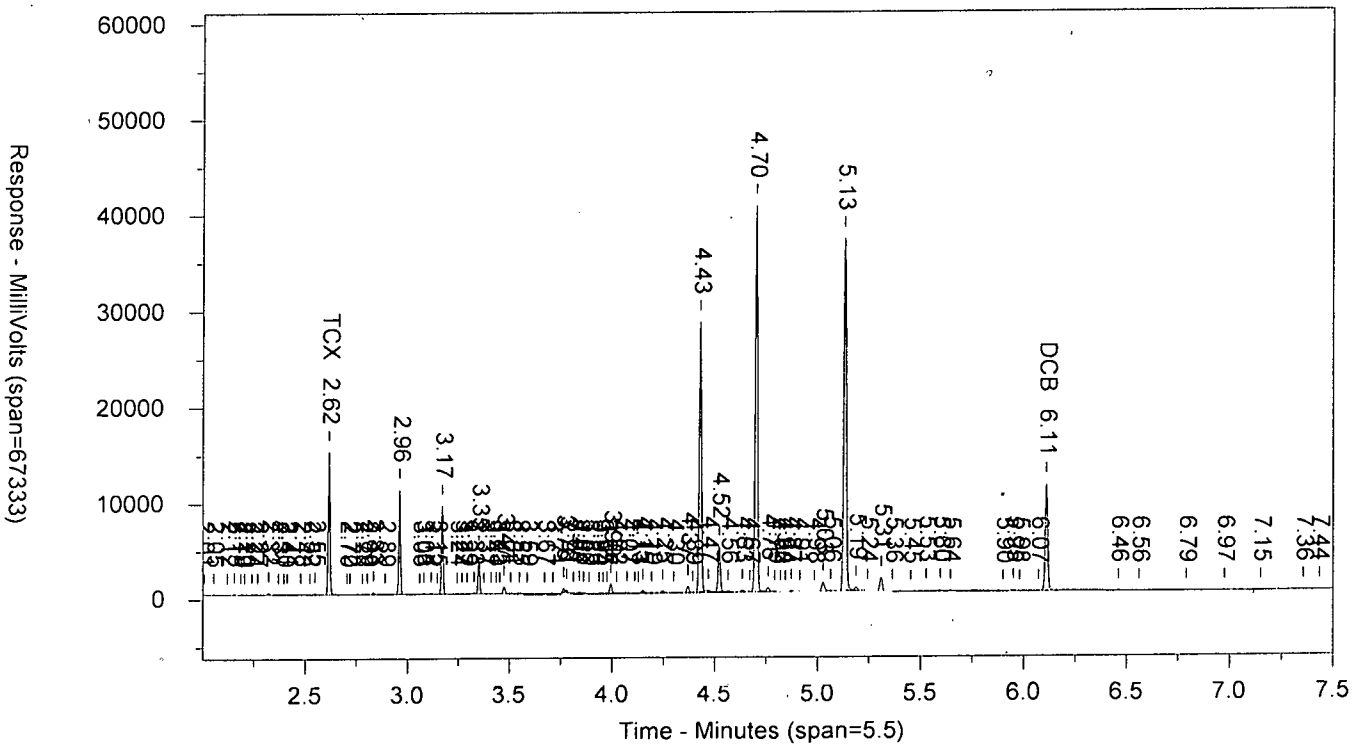

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:40:39 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.007.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		5030	7332
2.217		1689	2019
2.309		7898	5457
2.377		1869	2223
2.423		2440	2031
2.565		2227	3976
2.658		1459	1402
2.773		34447	29199
2.827		3131	3187
2.923	TCX	439163	304512
3.075		16714	13357
3.133		24008	19362
3.181		115327	83705
3.253		1230	672
3.274		13394	9037
3.362		1146	998
3.396		120312	73269
3.413		54894	28489
3.45		12030	6956
3.465		3190	1341
3.482		9510	5697
3.512		131734	94987
3.567		1429	596
3.586		3671	2323
3.623		27306	14988
3.637		12223	5711
3.682		55197	30332
3.692		115430	58325
3.729		141614	105613
3.787		115235	85608
3.827		7567	5439
3.854		88768	63684
3.882		62468	51546
3.904		18854	9831
3.979		93099	68111
4.003		33872	21650
4.033		34114	25177
4.069		92867	94085
4.108		29651	22944
4.155		2676	1829
4.192		5421	4590
4.227		101846	76233
4.247		26119	14483
4.271		25611	17190
4.296		6925	5177
4.338		15592	12807
4.381		111757	101173
4.414		2198	1489
4.477		928	934
4.52		11323	12727
4.574		11742	7109
4.589		24690	16128
4.633		72358	61975
4.679		95806	110688

RT A	Compound A	Height A	Area A
4.717		21883	15696
4.756		221540	208499
4.847		36337	42009
4.876		2754	1718
4.904		42552	38874
4.955		256477	331310
5.005		49436	44998
5.049		117261	134361
5.091		1997	1134
5.128		26578	31367
5.164		298279	333820
5.226		143814	132823
5.27		94362	90867
5.392		167397	235268
5.449		83649	78206
5.489		46146	40727
5.531		11283	11118
5.575		58519	58142
5.63		380872	393052
5.749		1775	1800
5.837		212271	226582
5.874		22083	21698
5.89		17365	13242
6.021		8776	9135
6.085		8818	6732
6.109		38978	33425
6.266		93383	92329
6.311		6360	6439
6.402		890	770
6.467		24934	25639
6.509		1462	1468
6.613	DCB	292286	314385
7.275		1289	136094
7.708		622	608
8.081		1604	8725
8.172		2132	9365

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:40:39 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.007.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		7218	4858
2.158		4903	6510
2.239		14231	20658
2.299		6773	4539
2.341		2055	1220
2.413		11229	15491
2.476		7270	9882
2.524		5336	4794
2.546		104260	80541
2.59		4628	2207
2.615	TCX	2640776	1593663
2.659		53145	38561
2.786		115100	73207
2.833		21446	9121
2.846		123353	64484
2.898		634997	397671
2.947		7200	4876
2.987		3160	1552
3.009		78832	48440
3.105		551272	270340
3.116		191383	77393
3.156		82462	49540
3.178		48365	29316
3.203		68726	37767
3.227		780216	514401
3.264		30774	18982
3.291		9837	4391
3.309		201489	105153
3.325		180178	90916
3.354		3752	1463
3.375		469917	215893
3.385		845000	357673
3.406		31187	12774
3.419		752133	491846
3.493		860044	540859
3.528		602607	382250
3.551		667084	370186
3.57		219151	109982
3.655		758311	496131
3.678		283141	155069
3.699		266412	157547
3.728		190487	93215
3.745		637243	377285
3.786		230188	163467
3.832		35349	29306
3.855		169352	101815
3.877		836604	553781
3.902		177422	107574
3.922		26726	12713
3.94		98699	60148
3.976		707712	487028
4.01		32404	18718
4.025		57052	35322
4.074		57954	53232

RT B	Compound B	Height B	Area B
4.12		56491	58051
4.177		184930	121434
4.22		168725	97314
4.238		189321	90550
4.252		450355	251715
4.277		284748	286570
4.329		1478677	1134179
4.376		26192	21854
4.399		165171	109883
4.423		353316	254455
4.466		1739197	1355768
4.529		3128	3975
4.568		1360754	1333148
4.622		179897	147830
4.66		404675	339873
4.697		1696137	1441283
4.729		841989	586499
4.767		590198	472707
4.841		7533	5854
4.867		198201	206944
4.918		1082249	838066
4.942		155954	101225
4.992		568330	526649
5.028		293411	236387
5.058		215665	180586
5.09		85824	54806
5.112		2307434	1918536
5.154		52429	37796
5.185		110201	87756
5.304		28246	18108
5.327		513235	422231
5.372		1525920	1657357
5.528		60252	50969
5.572		42881	32403
5.596		47967	37129
5.645		284864	253220
5.751		628226	519376
5.782		35004	25848
5.835		5229	6689
5.951		166736	149749
6.109	DCB	2056760	1891892
6.29		2464	2798
6.717		1883	2247
7.048		3303	6502
7.442		1852	24801
7.617		2187	7879
7.849		2043	3156
7.914		2219	2606
8.216		14868	25915

AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082

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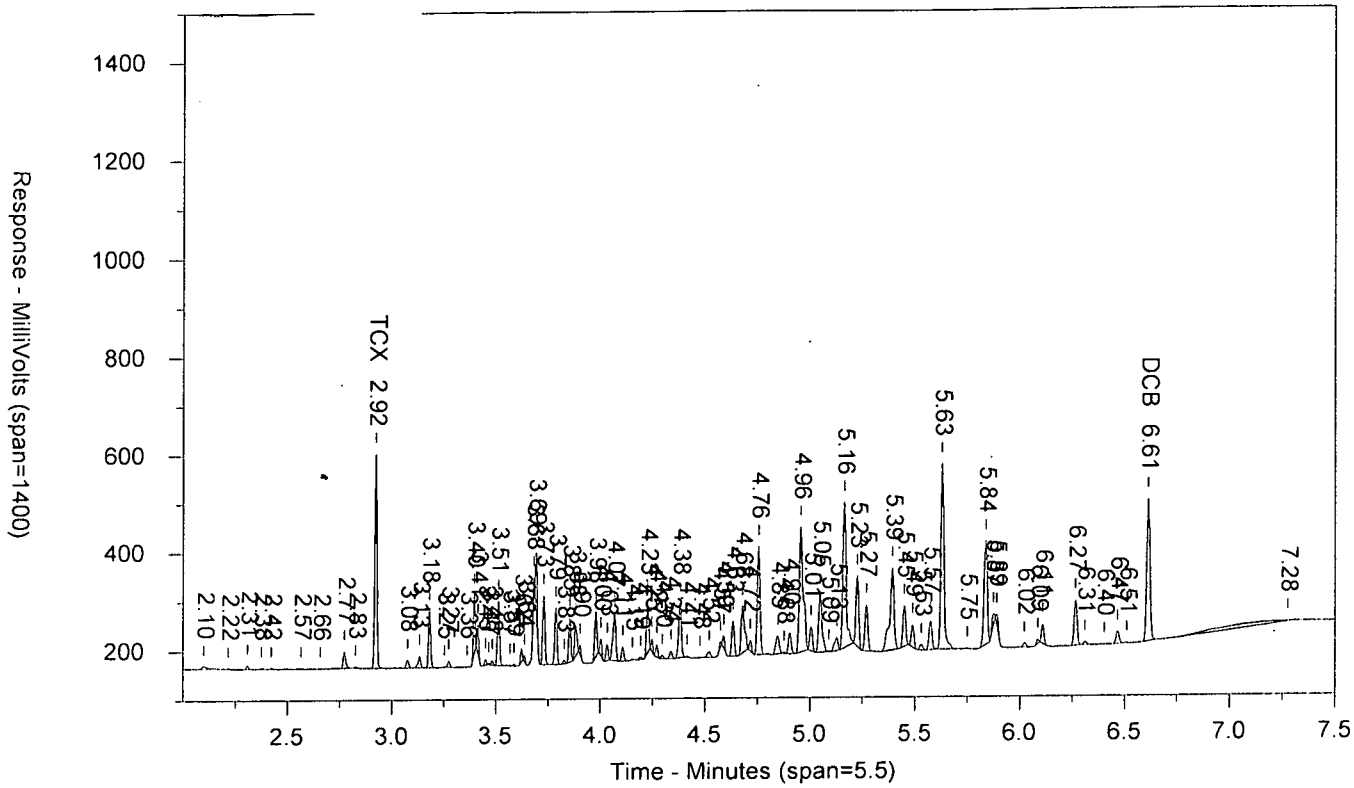

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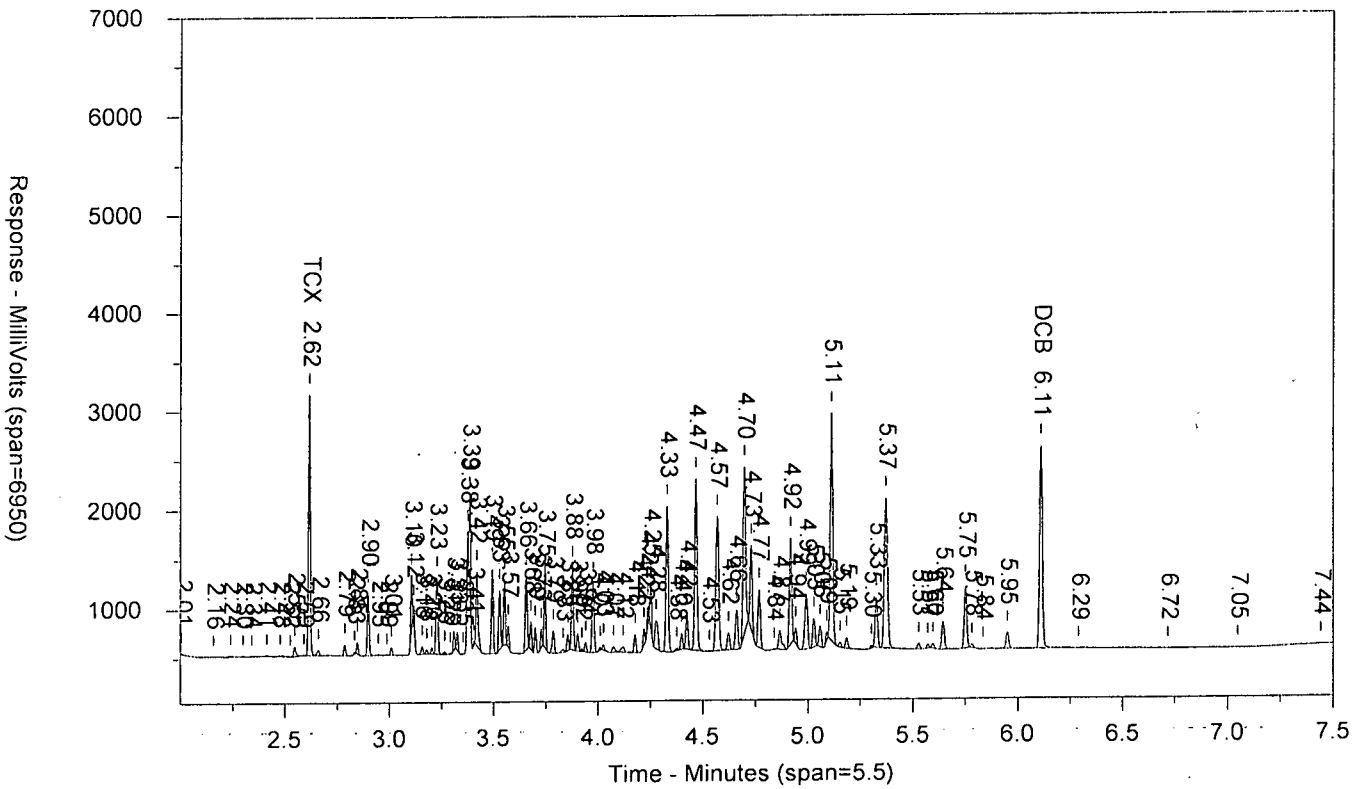

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:40:39 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	439163	4.088	TCX	2.615	2640776	4.042	TCX
6.613	292286	4.735	DCB	6.109	2056760	4.78	DCB

Files:
Area File: 20pcbs17137001.007.RAW
Area File: 20pcbs17137001B.007.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 5:49:21 PM
File Reported On: 5/17/2017 at 5:49:32 PM

AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082

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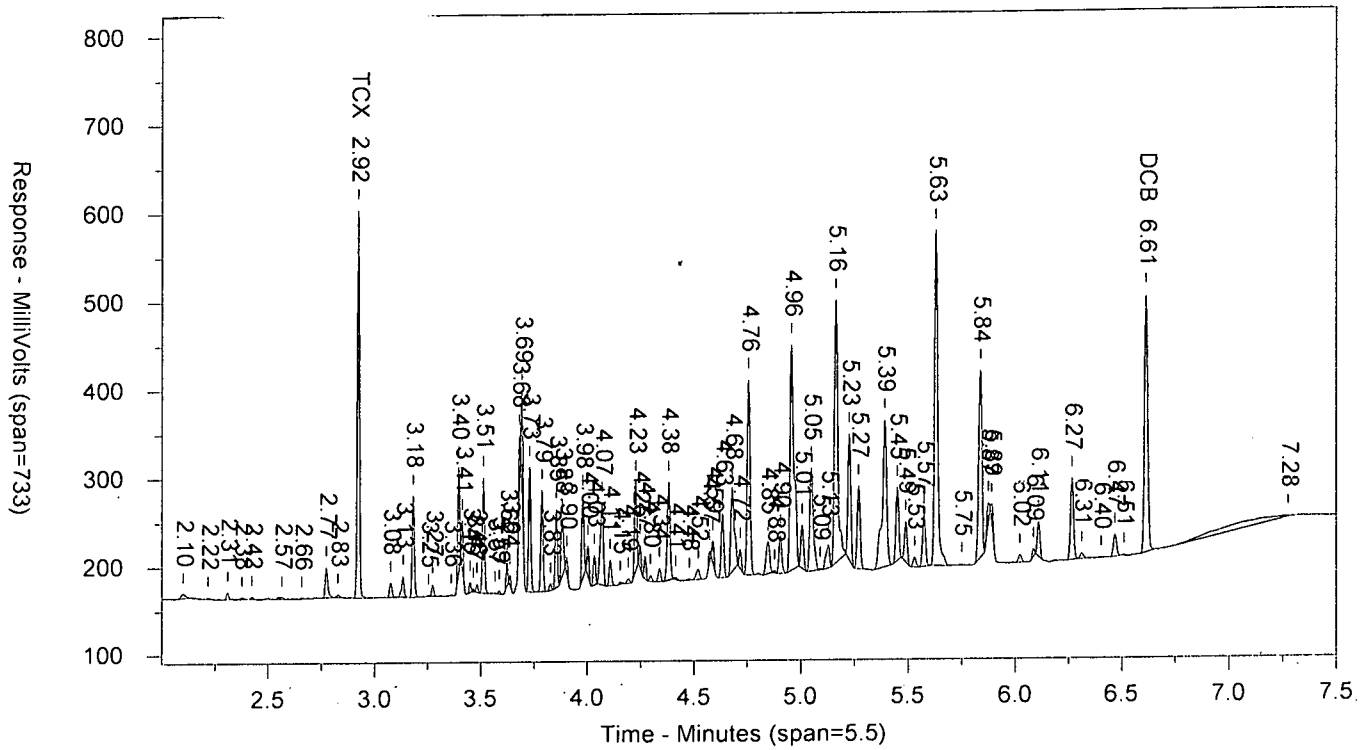

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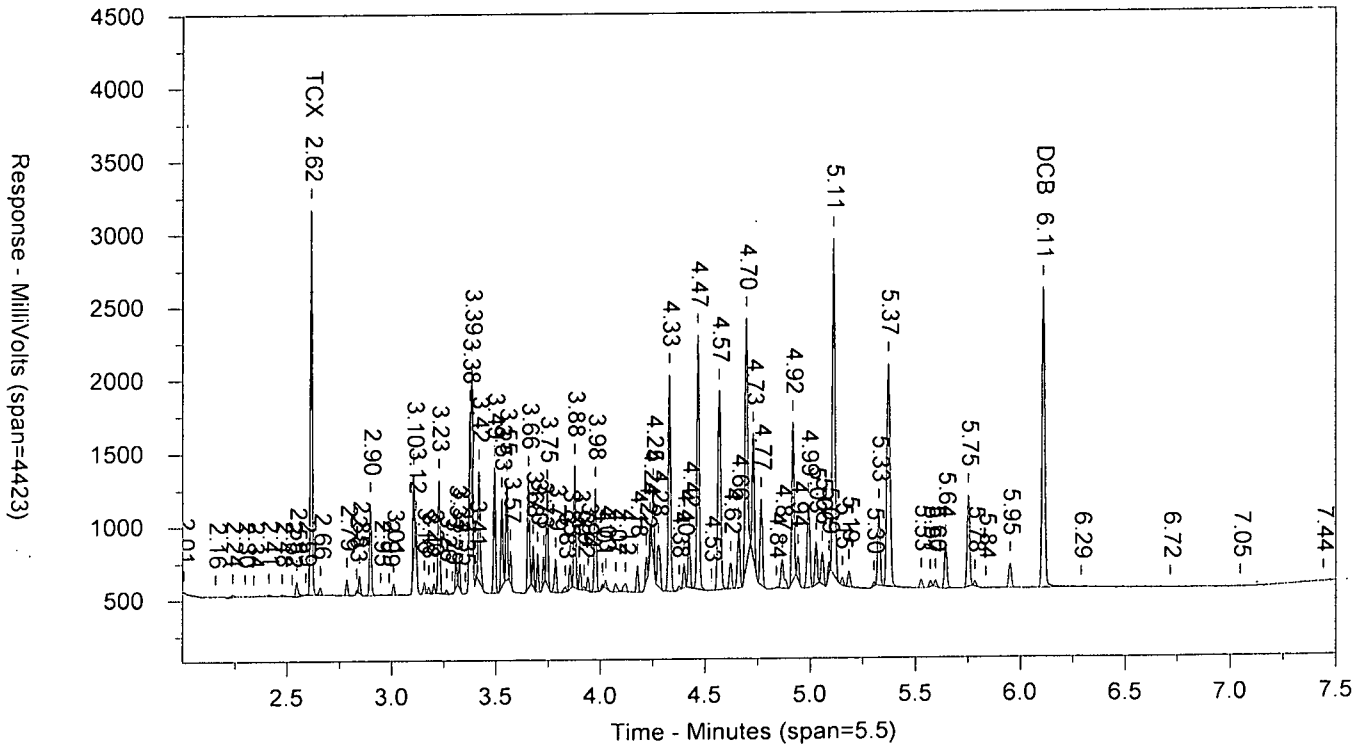

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:51:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.008.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.097		13540	19690
2.138		3661	4018
2.217		7933	6528
2.309		11858	7535
2.328		2127	1251
2.375		2225	2434
2.424		3170	2540
2.498		1183	1693
2.548		1614	1022
2.565		1999	1321
2.658		1614	1316
2.717		948	639
2.773		47248	42470
2.827		3758	4035
2.922	TCX	2257924	1485899
3.075		34107	28402
3.132		48038	50452
3.18		214919	155457
3.252		4507	2619
3.273		26478	17507
3.314		1081	872
3.394		214700	132119
3.411		96060	51223
3.448		23977	13692
3.464		5399	2229
3.48		18819	10959
3.51		242210	178804
3.565		6869	4008
3.584		6665	3750
3.62		52003	29221
3.635		24971	11537
3.679		107198	57152
3.69		232544	118658
3.726		269286	198281
3.785		206316	165115
3.825		16812	11561
3.852		159305	118078
3.88		115749	98563
3.901		37777	19764
3.976		174917	127310
4		60309	39304
4.031		69171	49099
4.066		175291	180089
4.106		55181	45864
4.152		6911	5309
4.19		9349	7736
4.224		190195	141867
4.245		48163	27742
4.268		50265	35074
4.293		6791	4933
4.335		30070	25288
4.379		208270	190273
4.412		5250	3396
4.476		2462	1994

RT A	Compound A	Height A	Area A
4.516		25386	26547
4.571		18012	13020
4.585		43500	28556
4.632		134788	119187
4.676		185626	208360
4.715		45598	31391
4.754		413142	398207
4.798		3360	3530
4.844		74536	79270
4.875		7968	5136
4.901		77113	70877
4.954		491097	632104
5.003		94179	84822
5.047		232102	258527
5.089		3403	2105
5.125		51392	65824
5.161		557327	534061
5.184		15970	7823
5.224		278765	250609
5.267		170321	170018
5.369		18439	22776
5.388		281443	246516
5.448		158580	149215
5.488		87023	76460
5.527		27856	26524
5.573		114799	112472
5.629		700029	785779
5.835		425595	438608
5.876		31141	43202
5.888		30471	20132
6.02		30851	31202
6.084		27614	20447
6.108		68248	61829
6.265		175530	177812
6.31		11695	11514
6.465		56327	59178
6.506		1418	1004
6.61	DCB	1387708	1460917
7.365		668	136252
8.058		933	753
8.685		2743	4536

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:51:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.008.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		3798	4590
2.054		18157	13357
2.118		3534	1780
2.155		8869	10895
2.239		17605	26795
2.3		12446	8903
2.366		4473	7980
2.394		2329	1095
2.411		13287	12495
2.452		3934	2519
2.477		6695	5043
2.515		7496	10584
2.547		136660	111371
2.592		5695	2843
2.616	TCX	13579360	7959337
2.659		94645	63640
2.786		224189	144427
2.833		133608	61921
2.847		211852	105129
2.899		1178404	733797
2.949		34906	21390
3.01		156963	95408
3.105		1526135	1441358
3.156		159453	96540
3.178		88310	50262
3.203		134920	71990
3.227		1458177	962921
3.264		61647	36489
3.291		54843	26388
3.31		385166	199615
3.325		267484	129362
3.354		4696	2439
3.375		803535	377561
3.385		1807104	751168
3.405		68791	27621
3.418		1422333	916190
3.492		1688703	1027549
3.527		1175757	701174
3.551		1248626	683320
3.568		416377	209749
3.654		1437489	928733
3.676		525665	281296
3.698		492553	290087
3.726		351169	174604
3.743		1226975	706744
3.784		428500	306682
3.832		66728	56776
3.854		326824	196118
3.876		1588328	1045762
3.901		346912	205346
3.92		50747	25009
3.939		182591	111910
3.974		1345733	911713
4.009		68488	39997

RT B	Compound B	Height B	Area B
4.024		115076	71179
4.072		56873	55459
4.119		114941	124332
4.151		6770	3597
4.175		343353	234169
4.219		271781	163753
4.236		319646	168652
4.249		831264	446987
4.276		551121	542930
4.328		2851820	2156147
4.374		44627	40742
4.397		332846	214906
4.422		658816	472198
4.464		3233009	2568987
4.567		2661244	2576777
4.62		362251	291871
4.659		754585	681380
4.695		3381883	2868426
4.727		1577102	1087402
4.766		1203443	910205
4.839		8739	8224
4.865		402435	412938
4.917		2076618	1621308
4.94		294421	195443
4.99		1151881	1009952
5.026		580495	454955
5.056		433055	375356
5.088		183324	111938
5.111		4505800	3780771
5.151		110311	78250
5.184		280212	239060
5.302		54853	34467
5.326		967331	811863
5.37		3235155	3430463
5.526		219280	187370
5.571		78985	58731
5.594		206783	159267
5.644		594795	515845
5.75		1176800	1015599
5.781		71175	51781
5.898		2410	1858
5.949		405676	342310
6.062		2437	1948
6.108	DCB	9871559	8702559
6.279		5787	3577
6.56		7539	9348
6.72		1995	3171
7.043		2323	2755
7.155		1322	2619
7.266		1093	6002
7.486		3047	31201
8.017		2180	1080
8.216		15607	30653
8.675		3931	4394

AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082

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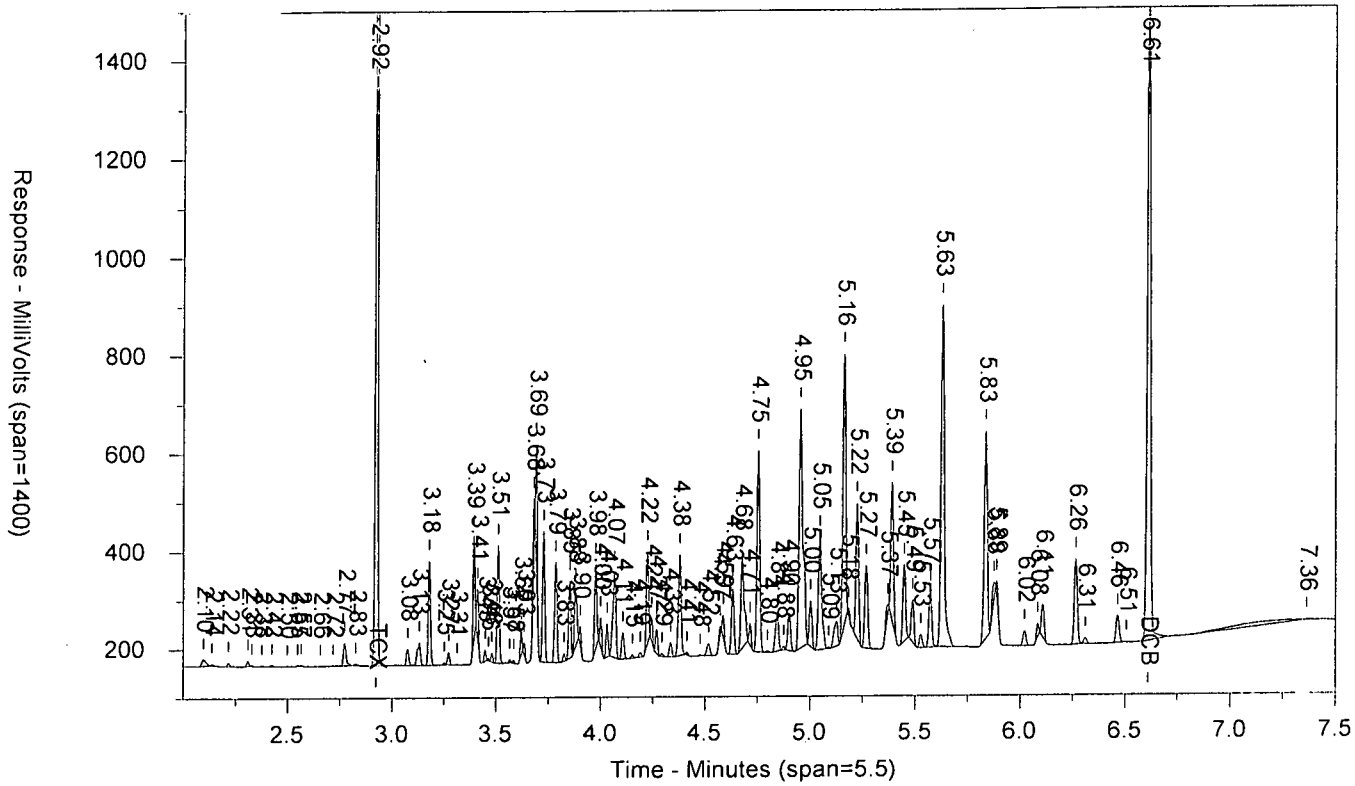

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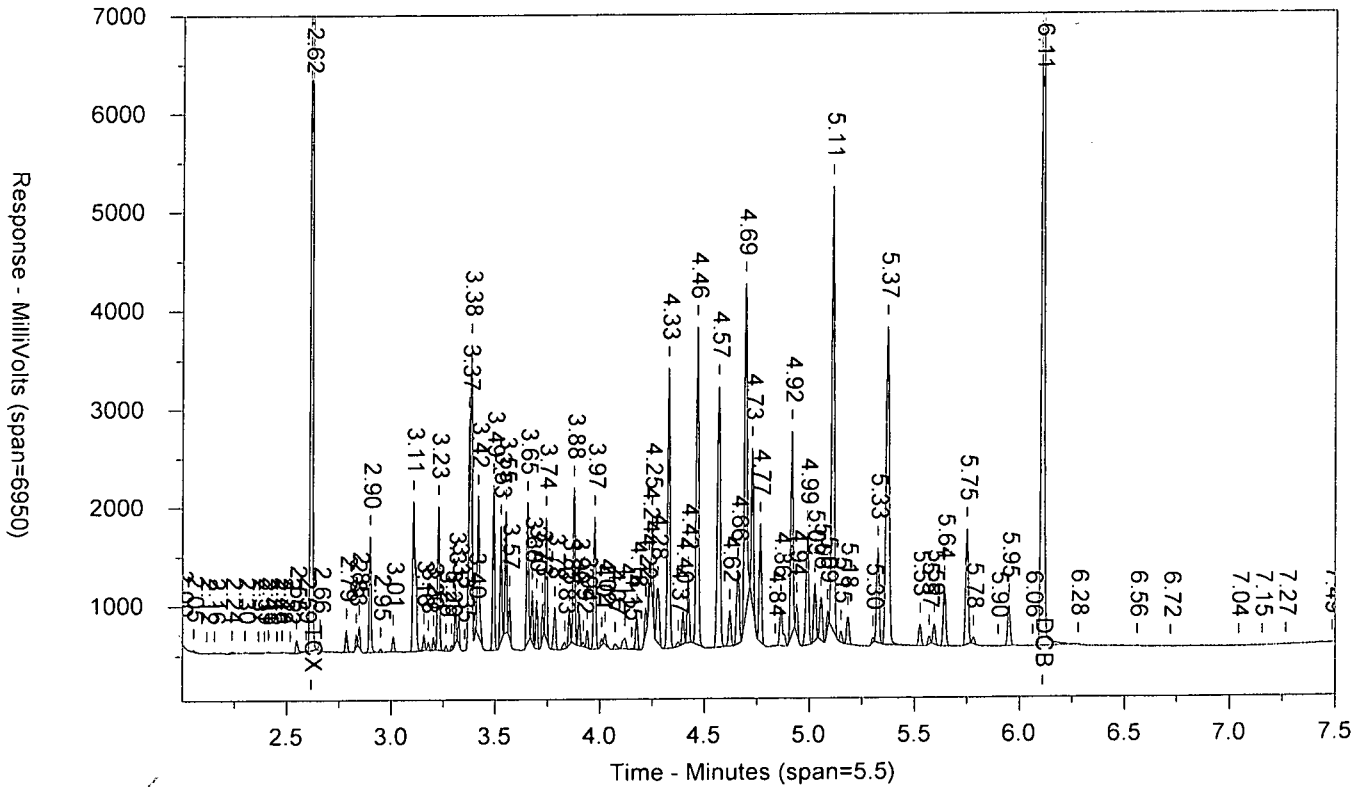

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:51:57 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.922	2257924	21.064	TCX	2.616	13579360	20.624	TCX
6.61	1387708	21.947	DCB	6.108	9871559	22.242	DCB

Files:
Area File: 20pcbs17137001.008.RAW
Area File: 20pcbs17137001B.008.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:00:42 PM
File Reported On: 5/17/2017 at 6:00:56 PM

AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082

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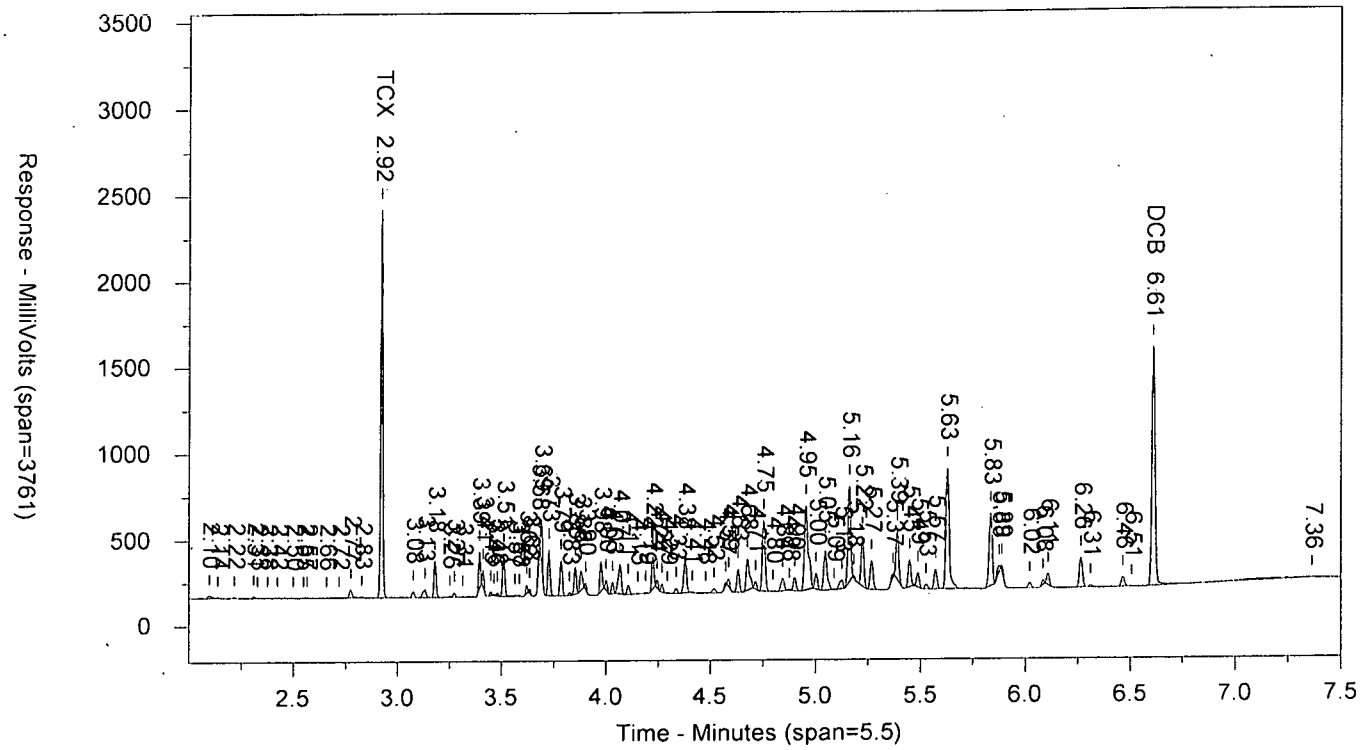

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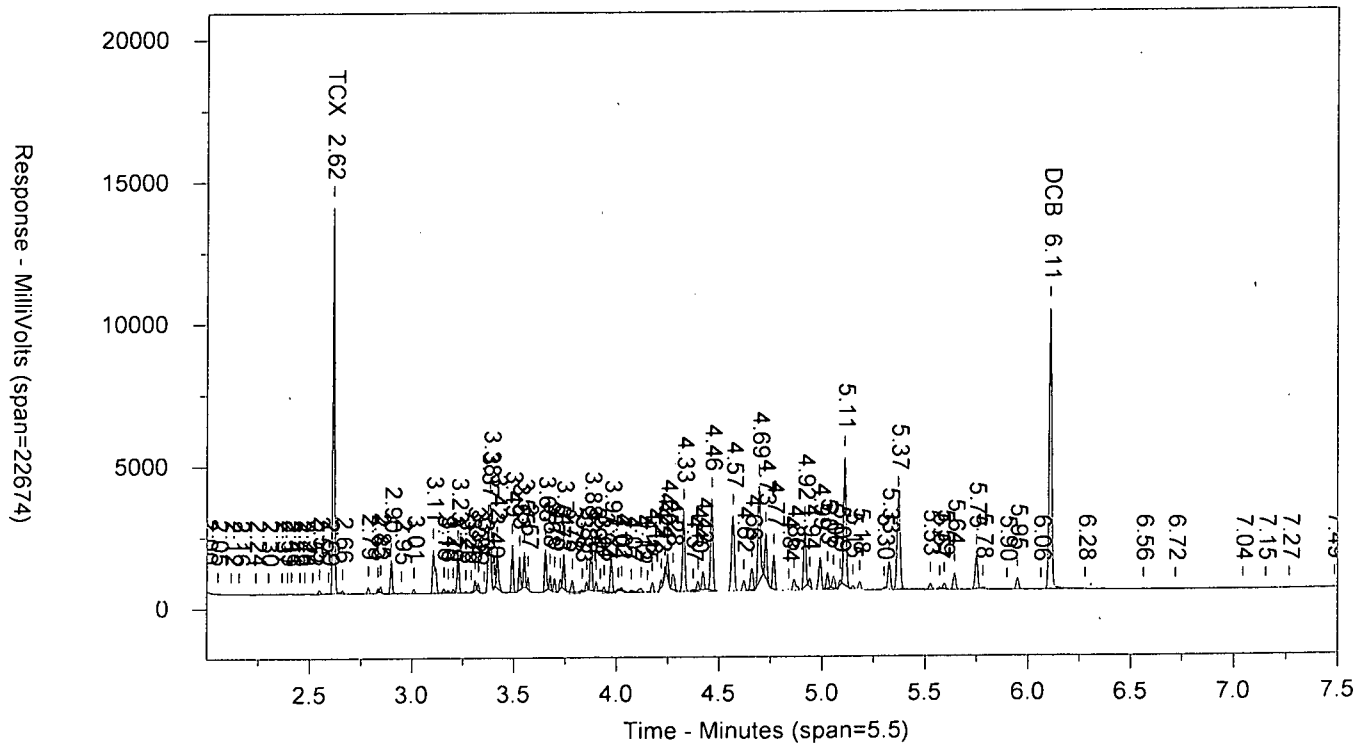

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:03:25 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.009.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		4875	7317
2.217		16245	12457
2.309		11276	7029
2.328		5093	2902
2.377		1521	2082
2.423		2661	2288
2.549		1674	1106
2.564		3773	2525
2.659		1182	1447
2.718		1219	1045
2.773		28681	23997
2.828		2722	3390
2.923	TCX	4583477	3064338
3.025		1196	582
3.075		73350	59641
3.132		98428	101047
3.18		409975	293666
3.252		8474	4715
3.273		53227	35214
3.394		416894	248581
3.411		182117	100749
3.448		48582	28287
3.464		13994	5747
3.48		37673	21890
3.51		475744	344425
3.544		1928	987
3.565		12708	7464
3.583		14223	8551
3.62		96546	55483
3.634		44786	21714
3.678		199061	113976
3.689		463509	239758
3.726		499852	390418
3.784		419475	326892
3.824		33603	23708
3.852		309287	222721
3.879		211654	180958
3.9		63472	34960
3.975		339155	245669
4		119996	77365
4.03		131767	95672
4.066		337431	352475
4.105		111476	89933
4.151		15649	11536
4.19		18833	15730
4.224		374455	278366
4.245		95669	53011
4.268		101139	72526
4.293		4918	3038
4.335		58535	50518
4.377		389953	368998
4.412		11005	7507
4.475		4670	3804
4.515		51476	52698

RT A	Compound A	Height A	Area A
4.57		42225	27173
4.584		78892	54729
4.631		256125	229678
4.676		350079	400867
4.714		82838	60527
4.753		835899	774968
4.797		7296	7266
4.843		138850	152065
4.875		13823	9596
4.901		144153	132723
4.953		1001603	1234033
5.002		176285	158196
5.046		453871	503932
5.088		8189	4457
5.124		98318	126461
5.161		1188888	1284119
5.224		548490	484944
5.267		339671	326979
5.389		654544	878308
5.447		305070	284956
5.487		153024	143484
5.527		49534	48435
5.572		225996	214605
5.628		1515702	1559011
5.835		857403	859267
5.875		44920	67292
5.887		74557	51802
6.02		56433	57263
6.084		50165	37586
6.107		134453	114652
6.263		324873	336522
6.309		22470	23495
6.463		103574	112410
6.609	DCB	2576136	2784706
6.842		750	390
7.068		1575	1865
7.342		988	20401

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:03:25 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.009.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		3897	3524
2.054		38641	26045
2.156		7967	7867
2.238		14661	22064
2.3		24979	16801
2.412		14230	14069
2.476		6570	11629
2.526		6316	5645
2.547		84949	53554
2.57		4387	2439
2.592		5795	3046
2.616	TCX	28348640	16358670
2.659		184034	124505
2.703		5318	4611
2.786		443408	291437
2.833		257234	121709
2.847		404769	200069
2.899		2252085	1389333
2.949		70109	40987
2.987		2428	1290
3.01		296112	184502
3.105		2928715	2761084
3.156		326360	200210
3.177		176027	101842
3.203		256586	140402
3.227		2789487	1871652
3.263		122603	70533
3.291		90911	45138
3.309		736245	387782
3.325		466481	228257
3.351		6070	2607
3.375		1515862	731964
3.384		3284824	1391391
3.404		124767	46288
3.418		2853917	1856195
3.492		3389307	2037636
3.527		2191621	1351446
3.55		2432056	1332436
3.568		792136	396971
3.653		2806160	1805006
3.676		1040262	537694
3.697		1008444	580010
3.726		657174	343394
3.743		2377297	1391466
3.783		819339	599156
3.831		139288	119077
3.853		621187	370392
3.875		3134163	2034238
3.9		660093	395958
3.92		112495	53323
3.939		365838	223504
3.974		2574628	1763888
4.008		134536	80096
4.023		219520	135911

RT B	Compound B	Height B	Area B
4.072		56677	64609
4.118		237589	266151
4.151		15363	7720
4.176		730738	518307
4.218		567891	334155
4.236		688492	338526
4.25		1687014	912099
4.275		1011242	1038088
4.327		5576325	4244671
4.374		88741	83162
4.397		622843	408701
4.421		1263757	896821
4.464		6713137	5032174
4.567		5279960	5113443
4.62		693814	582511
4.659		1431562	1307318
4.694		6964376	5648926
4.727		3025769	2132349
4.766		2238904	1774715
4.833		9867	10875
4.865		777766	812497
4.917		3999105	3220758
4.941		584072	375729
4.99		2205804	1940925
5.026		1104384	875098
5.056		851971	718656
5.088		391005	234506
5.111		9640877	7674216
5.151		196846	148733
5.184		536880	449121
5.302		106757	68150
5.326		1843407	1557479
5.371		6430639	6852072
5.527		401545	341436
5.571		169204	116038
5.595		368773	292813
5.644		1123215	984907
5.75		2290661	1941860
5.781		132742	98577
5.949		746038	648465
6.069		2896	1544
6.108	DCB	19151470	16877130
6.285		5179	5217
6.558		13420	10890
7.15		1385	2006
7.305		2352	2674
7.502		1285	11686
7.608		3102	8882
7.839		2096	2758
8.115		1160	1732
8.213		15535	28728
8.449		1784	915

AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082

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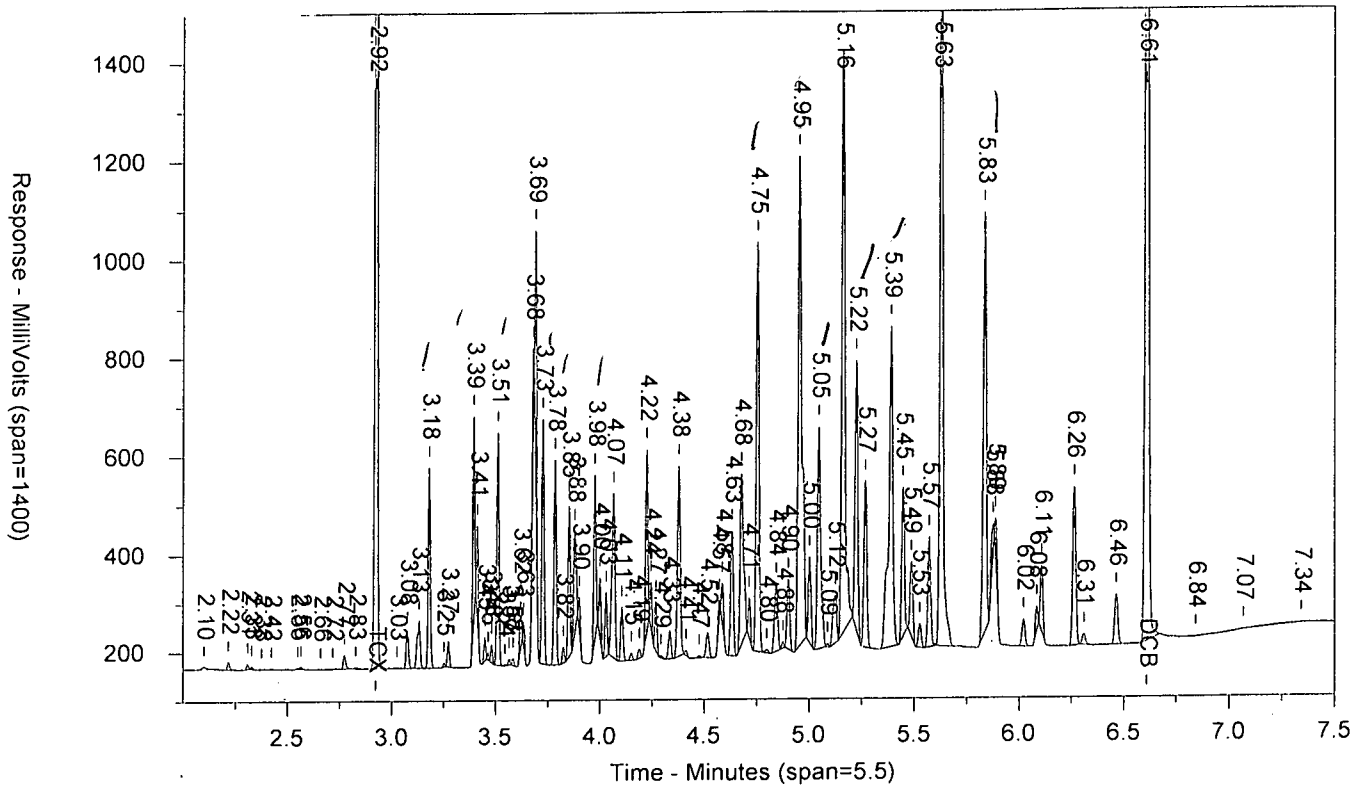

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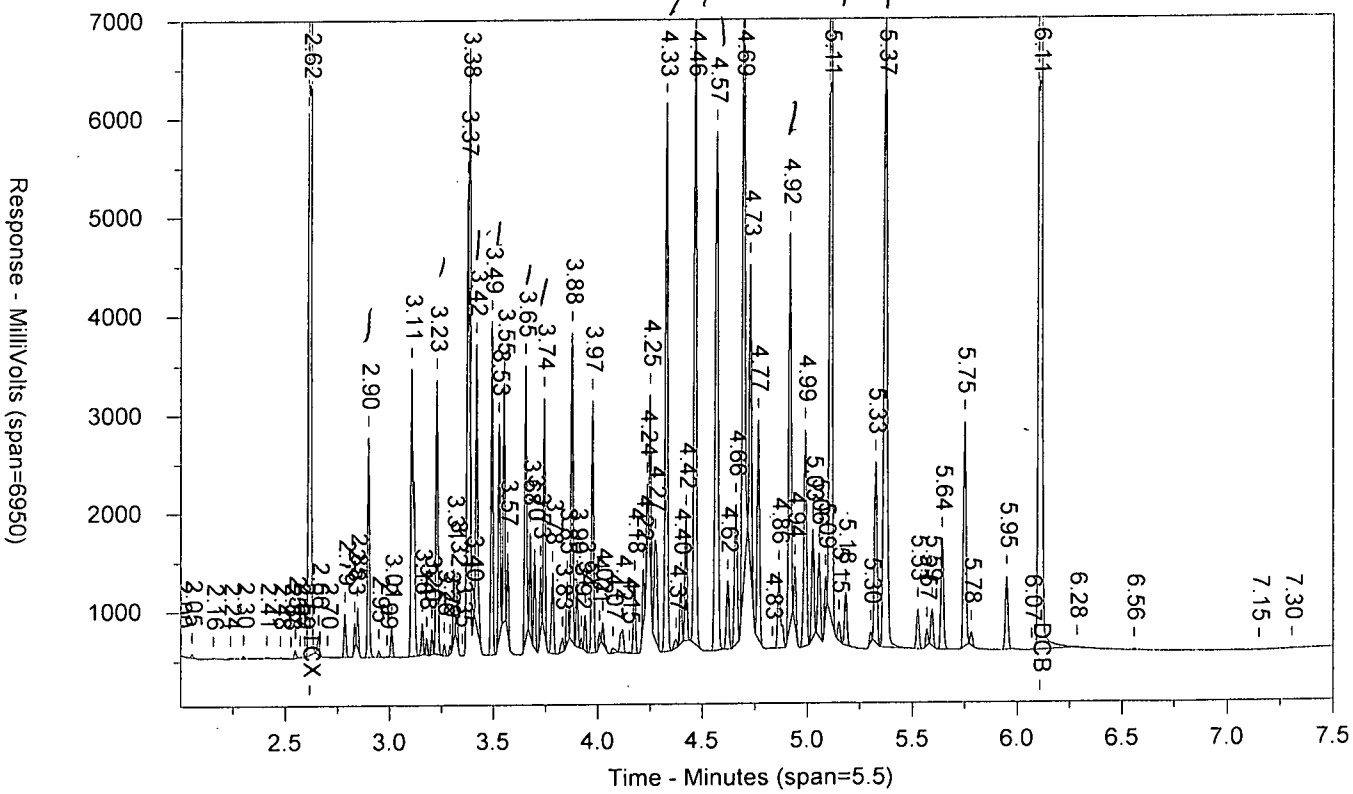

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:03:25 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	4583477	41.945	TCX	2.616	28348640	42.631	TCX
6.609	2576136	39.751	DCB	6.108	19151470	41.876	DCB

Files:
Area File: 20pcbs17137001.009.RAW
Area File: 20pcbs17137001B.009.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:12:08 PM
File Reported On: 5/17/2017 at 6:12:20 PM

AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082

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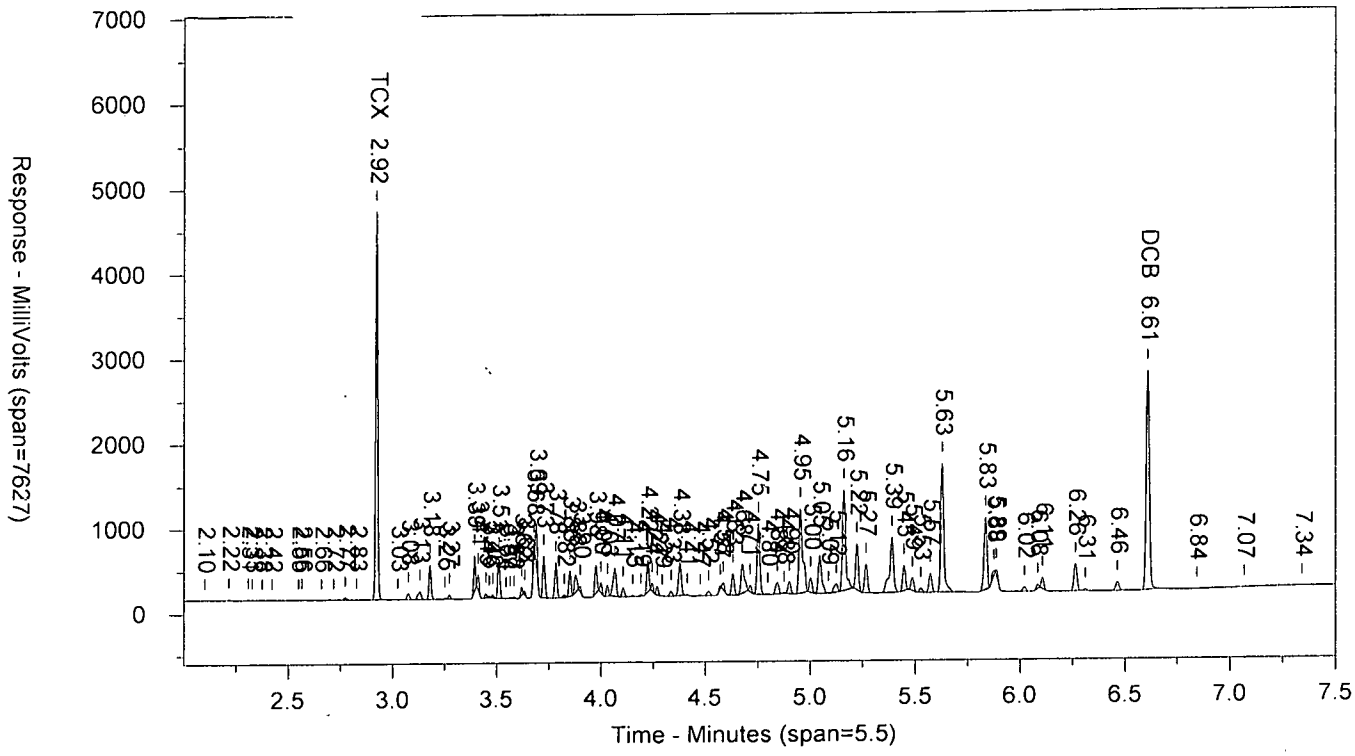

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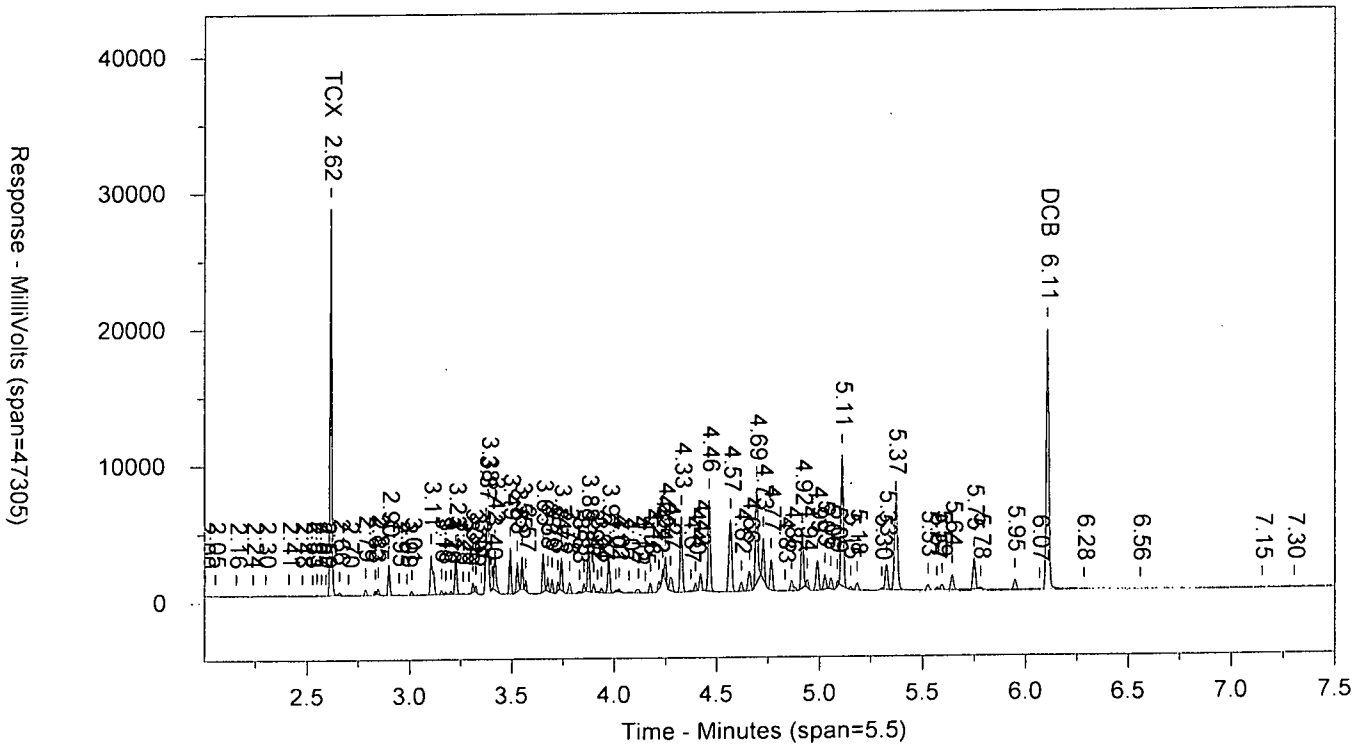

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:14:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.010.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		7802	13107
2.217		24346	17440
2.309		8052	4818
2.328		8595	5161
2.379		1775	1919
2.423		3535	3087
2.565		11029	10334
2.658		1358	1216
2.773		36533	30853
2.827		2941	1843
2.922	TCX	7055128	4679450
3.025		1939	1141
3.075		163893	135622
3.132		210148	200775
3.18		952439	674455
3.252		12834	7025
3.274		124046	86386
3.313		3000	2002
3.395		943890	587991
3.412		448034	233176
3.449		114644	66047
3.465		32351	13095
3.482		85160	51948
3.512		1122490	820416
3.547		4887	2454
3.567		25642	14669
3.586		37270	22323
3.622		217201	129379
3.637		101521	49427
3.682		501842	278663
3.692		1109356	575944
3.729		1282676	938411
3.788		1073439	805513
3.827		79118	57255
3.854		694029	518302
3.881		521417	436537
3.903		136364	77601
3.978		812490	589443
4.002		264648	168130
4.032		314537	222325
4.069		825949	855537
4.108		257675	211390
4.154		38561	29564
4.193		44133	36051
4.227		912413	674880
4.247		239214	129598
4.27		227471	170020
4.296		3783	2102
4.337		135916	119240
4.38		980392	883554
4.415		27025	17533
4.477		10712	9237
4.518		115993	121868
4.574		96986	62564

RT A	Compound A	Height A	Area A
4.588		184017	122440
4.634		630232	551697
4.679		880026	969035
4.716		204892	144362
4.755		2071612	1885029
4.798		18261	18028
4.847		314879	352121
4.877		31315	20581
4.903		337668	311027
4.955		2473284	2993109
5.005		411025	365151
5.048		1158517	1232105
5.09		18121	10998
5.127		223776	273392
5.163		3003769	3151692
5.225		1310605	1161296
5.269		833404	777693
5.39		1615414	2123076
5.448		718344	669720
5.489		394625	336938
5.529		100825	99520
5.573		564152	513602
5.63		3847696	3842925
5.717		3442	3044
5.836		2051991	2083465
5.876		121019	191898
5.888		167505	121724
6.021		98046	102282
6.084		94235	69771
6.108		317353	273046
6.265		780653	788907
6.31		52467	51742
6.392		1124	874
6.435		777	574
6.465		221485	234485
6.61	DCB	4164353	4196003
7.067		2944	4135
7.41		899	25450
7.713		915	495
7.79		571	880
8.681		5252	7647

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:14:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.010.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		6604	4853
2.054		60961	39670
2.155		4457	5293
2.186		2260	1114
2.239		14180	21279
2.3		57806	37883
2.341		2487	1879
2.366		3727	2653
2.394		2625	1182
2.414		9024	12230
2.476		6445	4713
2.529		8251	7306
2.547		102301	66586
2.572		9850	5114
2.59		3499	1614
2.616	TCX	43097310	24850320
2.659		424688	303108
2.786		982755	655788
2.833		355790	153679
2.847		926759	482275
2.898		5345189	3196626
2.949		106478	59094
3.009		693160	430824
3.105		4545948	2166857
3.116		1601925	606271
3.156		724982	460749
3.178		404203	222497
3.203		573349	323961
3.227		6689352	4403470
3.264		272796	160796
3.291		161744	77713
3.31		1743536	923070
3.325		1046826	520644
3.352		13014	6271
3.375		4020046	1938069
3.385		8716892	3827493
3.405		278379	96237
3.419		6626459	4316888
3.493		7991921	4994863
3.528		5304423	3232900
3.552		5948849	3217704
3.57		1842578	926547
3.656		6807312	4343167
3.678		2267341	1206461
3.699		2373030	1353083
3.728		1541311	787203
3.745		5839000	3397818
3.786		1968153	1405436
3.833		328293	274585
3.855		1483412	892370
3.878		7733864	4935572
3.902		1613905	948363
3.922		258714	122979
3.941		815488	492308

RT B	Compound B	Height B	Area B
3.976		6230428	4220763
4.01		295324	177852
4.025		490950	315937
4.073		26311	15394
4.086		35382	21282
4.12		538100	612103
4.154		27132	13486
4.178		1741648	1230903
4.22		1181687	713704
4.238		1815008	838076
4.251		3832965	2130331
4.278		2518517	2474192
4.33		14120120	10333480
4.376		206486	191754
4.399		1463509	970648
4.424		3128701	2162819
4.466		16503720	12453210
4.521		6161	4722
4.569		13622760	12604940
4.622		1646870	1379023
4.66		3559004	3115238
4.697		17158290	14326240
4.729		7775587	5277966
4.768		5789442	4315444
4.838		23917	28575
4.867		1899421	1946216
4.919		9989858	7894055
4.942		1464685	934394
4.992		5213865	4656452
5.028		2705064	2079418
5.058		1993598	1678350
5.089		1021043	597076
5.112		23558250	19036000
5.153		485896	365722
5.186		1149591	935103
5.261		6680	5206
5.304		241494	156225
5.327		4488744	3719275
5.372		14912590	16700750
5.471		5721	2987
5.528		713455	620771
5.572		388567	283385
5.596		650104	500659
5.644		2643137	2269549
5.751		5771206	4665465
5.782		302025	223685
5.902		5584	3756
5.95		1604101	1361531
6.001		3520	1874
6.068		3994	2370
6.109	DCB	29174170	25164350
6.285		15531	27649
6.558		20982	18648
6.628		2864	6574
7.128		2185	2279
7.326		1668	5555
7.47		3674	15011
7.842		3070	4425
8.046		1803	2113
8.216		14231	23577
8.325		1324	2270
8.625		1642	3057

AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082

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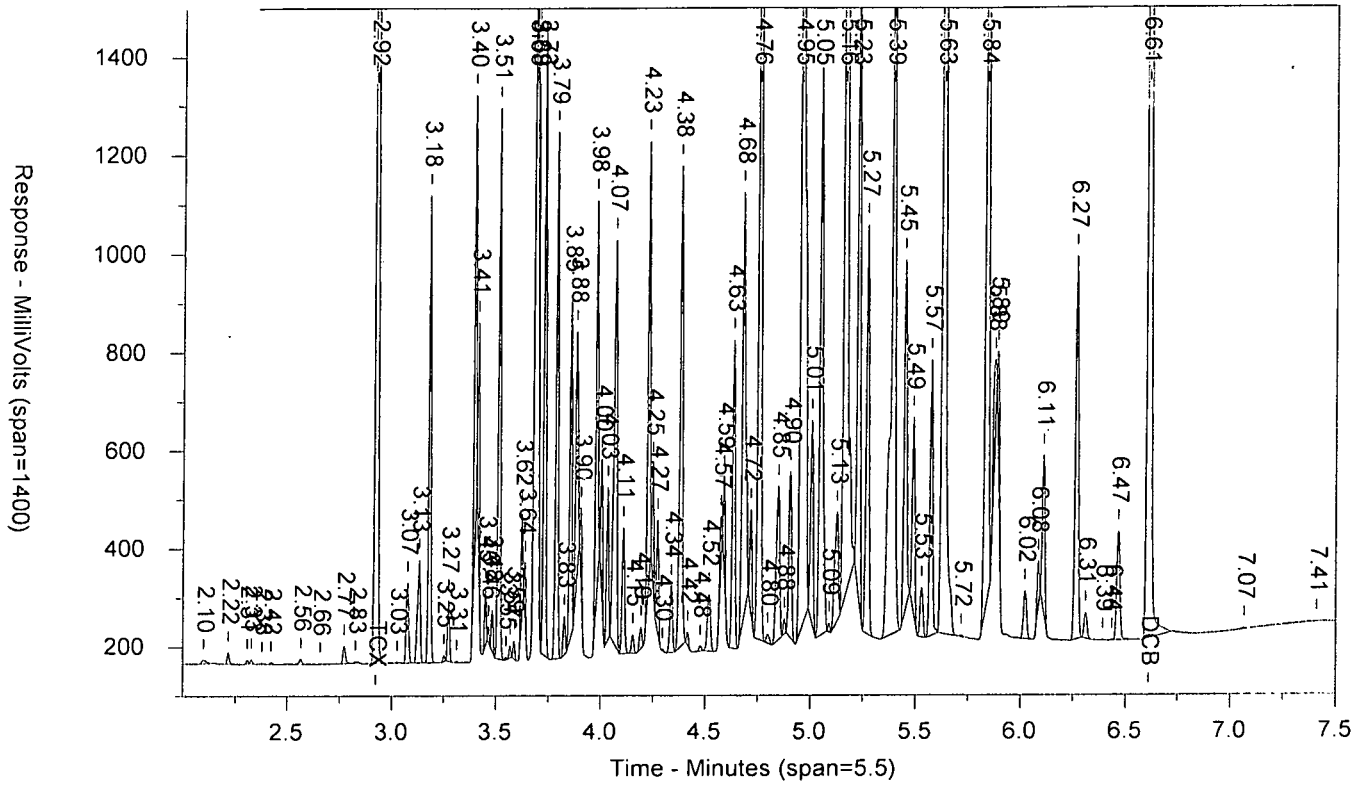

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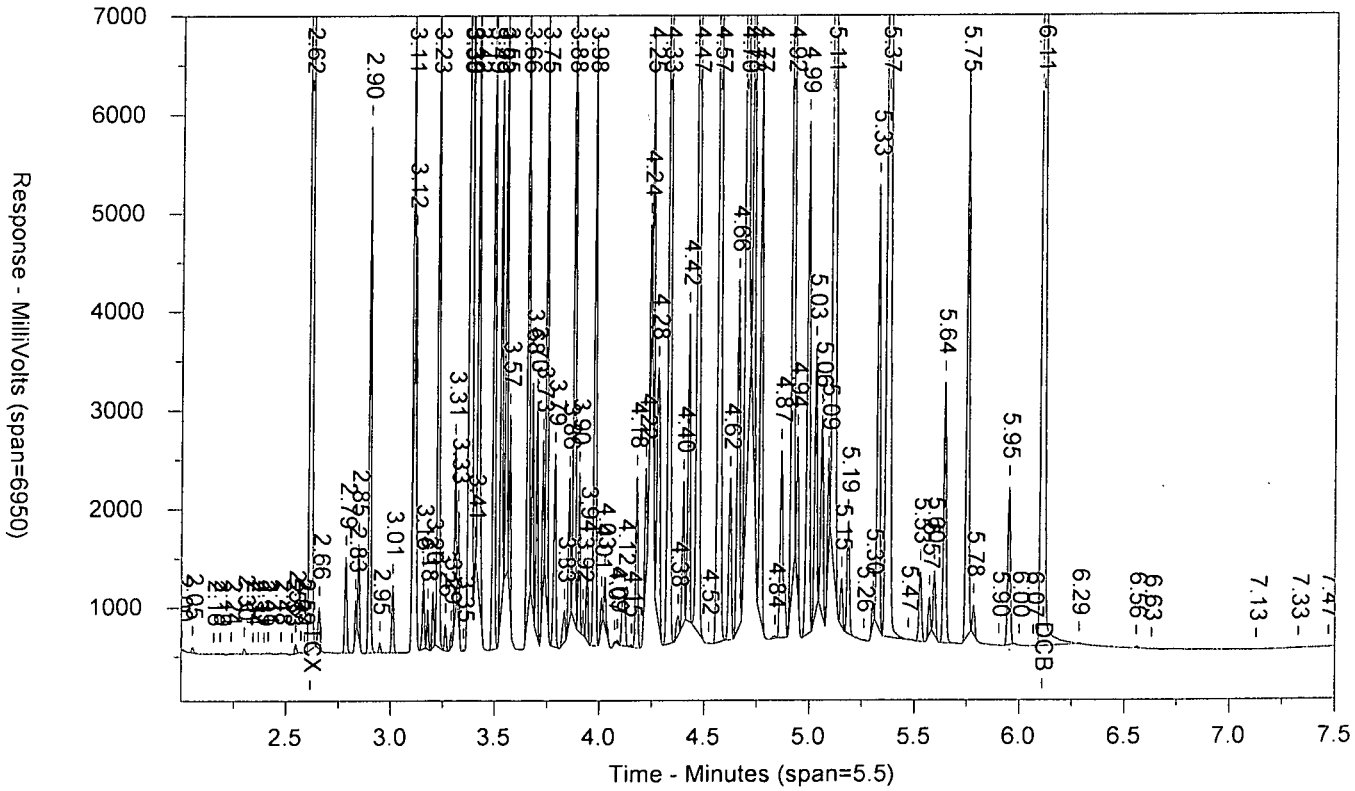

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:14:47 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.922	7055128	63.703	TCX	2.616	43097310	63.864	TCX
6.61	4164353	63.537	DCB	6.109	29174170	62.072	DCB

Files:
Area File: 20pcbs17137001.010.RAW
Area File: 20pcbs17137001B.010.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:23:31 PM
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AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082

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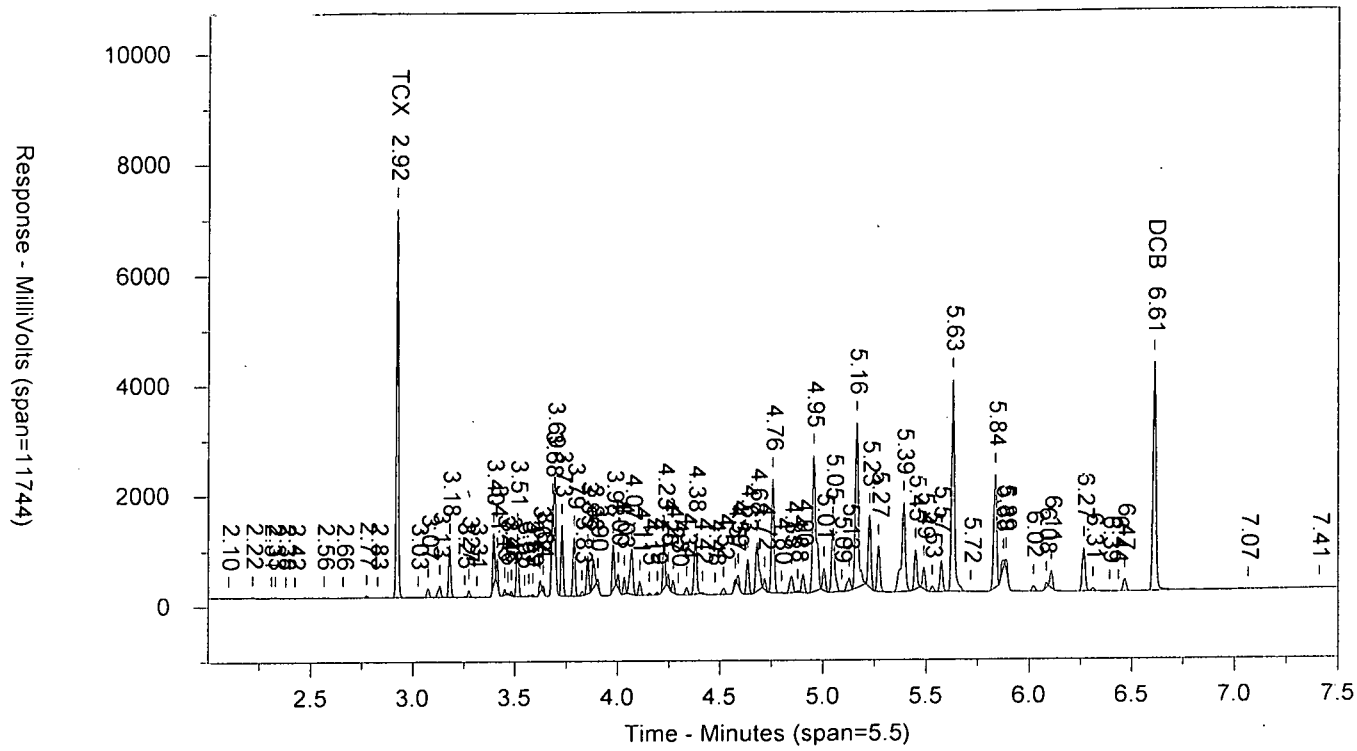

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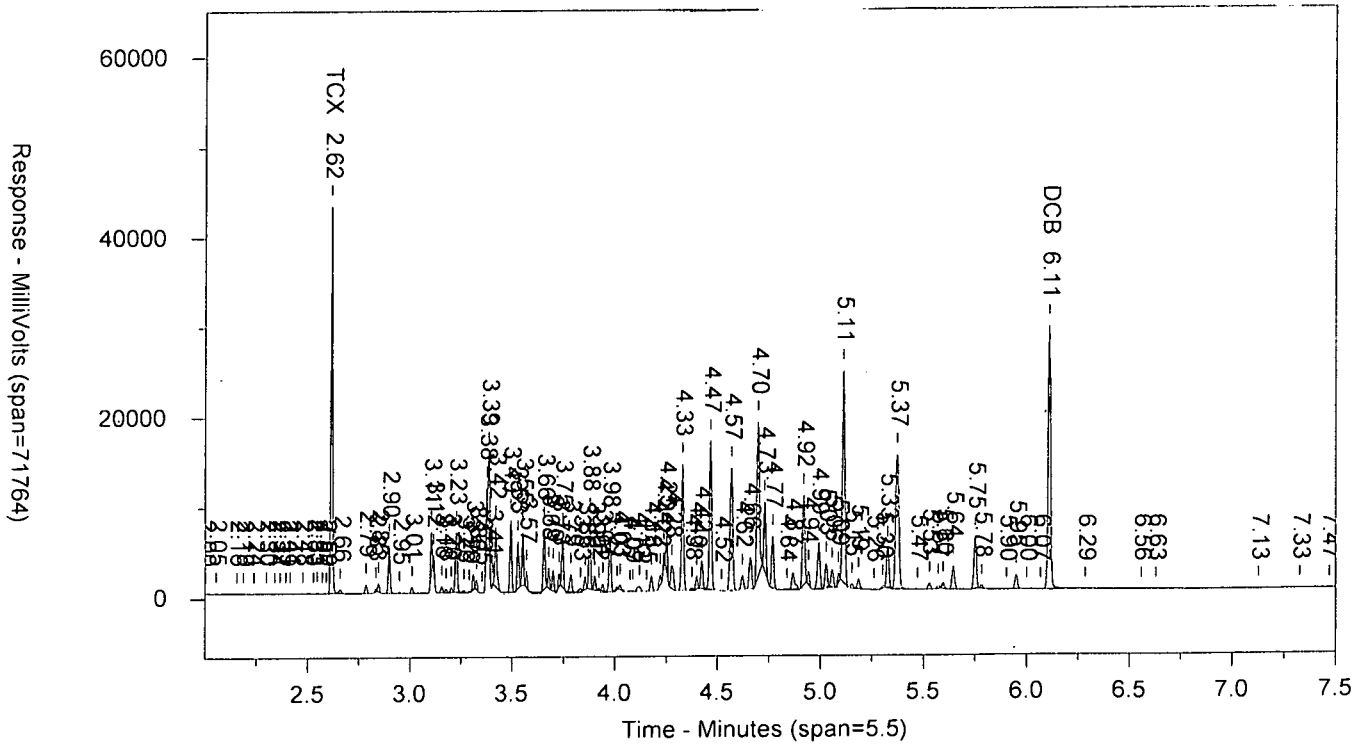

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:26:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.011.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		6609	10567
2.217		33392	23006
2.309		9444	5733
2.328		11149	6737
2.377		1428	1987
2.423		3121	2859
2.501		1027	784
2.565		21447	16823
2.658		1125	1121
2.774		47034	41441
2.829		1374	873
2.842		3161	1685
2.923	TCX	9286271	6284122
3.026		2905	1773
3.076		314848	266435
3.133		398581	345261
3.181		1850936	1297698
3.254		17806	8952
3.274		235064	162457
3.313		5871	4095
3.395		1952608	1136559
3.412		905803	463412
3.45		206301	120580
3.466		59372	24203
3.481		152757	91823
3.512		2116157	1574989
3.547		9391	4932
3.567		31376	18976
3.586		73078	48233
3.622		418719	241215
3.637		217449	103256
3.681		869719	527673
3.692		2268970	1192811
3.728		2480108	1843420
3.787		2078035	1598728
3.826		149122	108795
3.853		1364971	997688
3.881		1016343	863152
3.903		295356	152845
3.978		1639692	1155087
4.002		536778	337128
4.032		601917	427260
4.068		1617722	1689137
4.107		488623	403472
4.153		73769	56197
4.192		81542	69333
4.226		1828750	1336092
4.247		447013	252321
4.27		460645	333793
4.337		261811	222973
4.38		1879169	1716426
4.414		48039	31081
4.477		21116	17395
4.518		223789	228972

RT A	Compound A	Height A	Area A
4.574		157777	108201
4.587		357727	226496
4.633		1223780	1081066
4.679		1745922	1892693
4.716		375013	280866
4.755		4090584	3720198
4.799		32163	32821
4.846		623060	678968
4.876		50367	32104
4.902		667361	601729
4.955		5111985	5961543
5.005		813959	713696
5.048		2337167	2477950
5.09		33060	19495
5.127		431279	513572
5.163		5788389	6380167
5.226		2543038	2310811
5.269		1638614	1537112
5.371		125794	179603
5.391		2818184	2401664
5.449		1389810	1312690
5.488		764268	663607
5.529		174754	164928
5.574		1069849	989258
5.63		7643374	7680144
5.714		5479	6423
5.836		4193396	4215172
5.876		212751	326892
5.887		277349	250041
6.022		136160	139066
6.086		135208	103076
6.109		608573	534065
6.216		2019	1504
6.266		1592194	1542332
6.311		100351	94551
6.433		1004	844
6.467		411987	416418
6.612	DCB	5556144	5570106
7.068		3930	5098
7.209		706	438
7.308		302	1937
7.429		666	1362
8.142		734	625

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:26:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.011.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		5049	4308
2.054		78421	52686
2.149		6215	7146
2.187		3595	1551
2.242		12075	25298
2.3		112729	74905
2.363		4237	2894
2.413		7446	8531
2.477		5959	10803
2.529		9038	7025
2.547		132687	89302
2.572		20993	10970
2.59		2901	1521
2.616	TCX	56564200	33476620
2.659		760520	569812
2.76		1625	811
2.786		1928872	1287484
2.833		406980	184745
2.847		1785393	955540
2.899		10114640	6038160
2.949		137415	79915
2.986		3036	1686
3.01		1277752	800441
3.086		4406	1880
3.106		12407000	12141120
3.157		1430225	895633
3.178		755437	427973
3.203		1084799	600889
3.227		12762260	8394360
3.264		535063	315213
3.292		200253	94206
3.31		3586924	1804541
3.326		2083838	989159
3.352		23936	11199
3.376		7474550	3448850
3.385		17491340	7291536
3.406		446992	180030
3.419		13825460	8804595
3.493		16489430	9770370
3.528		10268590	6283276
3.551		11574780	6313338
3.569		3672657	1834353
3.622		5465	2088
3.655		12975370	8475472
3.677		4609047	2421276
3.699		4726709	2648968
3.728		3059692	1547909
3.744		11542480	6666600
3.785		3866337	2709304
3.833		602263	532183
3.855		3034871	1699028
3.877		14893850	9651443
3.902		3169828	1844005
3.921		459374	220397

RT B	Compound B	Height B	Area B
3.94		1600388	970787
3.975		12499880	8218656
4.009		551214	339682
4.025		912477	586860
4.071		27349	16924
4.086		94221	58298
4.112		111118	103256
4.119		439844	220888
4.153		43741	21283
4.177		3484572	2400744
4.218		2586604	1551717
4.237		3416198	1720834
4.251		8527515	4475124
4.277		4525069	4850387
4.328		27096230	20268580
4.375		384726	359808
4.398		2789599	1881516
4.423		5986391	4225441
4.466		32954410	24649070
4.569		26601510	24940970
4.621		3259109	2670662
4.659		7204695	6046917
4.696		35179360	28493330
4.728		14967790	10350100
4.767		10816790	8573390
4.835		47810	50734
4.866		3189371	2305444
4.883		331778	167160
4.918		20673490	15787180
4.941		2861660	1808256
4.992		10473700	9119623
5.028		5218651	4089662
5.057		3806092	3220714
5.089		1952650	1120329
5.112		47355350	39136040
5.153		954822	715299
5.185		1917115	1572556
5.226		15145	7048
5.303		441286	291250
5.326		8458221	7328032
5.372		31609230	34026340
5.472		10638	6050
5.527		1014981	863672
5.572		748031	565380
5.596		852197	644466
5.644		5199789	4391417
5.751		11296540	9233591
5.782		600846	427308
5.901		6961	5270
5.95		2781653	2538161
6.066		6370	5053
6.109	DCB	37969230	33247000
6.217		9009	5089
6.241		10288	7613
6.284		22105	21271
6.56		26445	22590
6.633		2915	6339
6.732		4279	3472
7.128		2616	3758
7.245		2319	2110
7.31		3752	4527
7.44		1722	3963
7.468		3288	5127
7.606		2539	5191
7.718		3630	11180
8.215		15362	25469

RT B	Compound B	Height B	Area B
8.462		2678	7052

AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082

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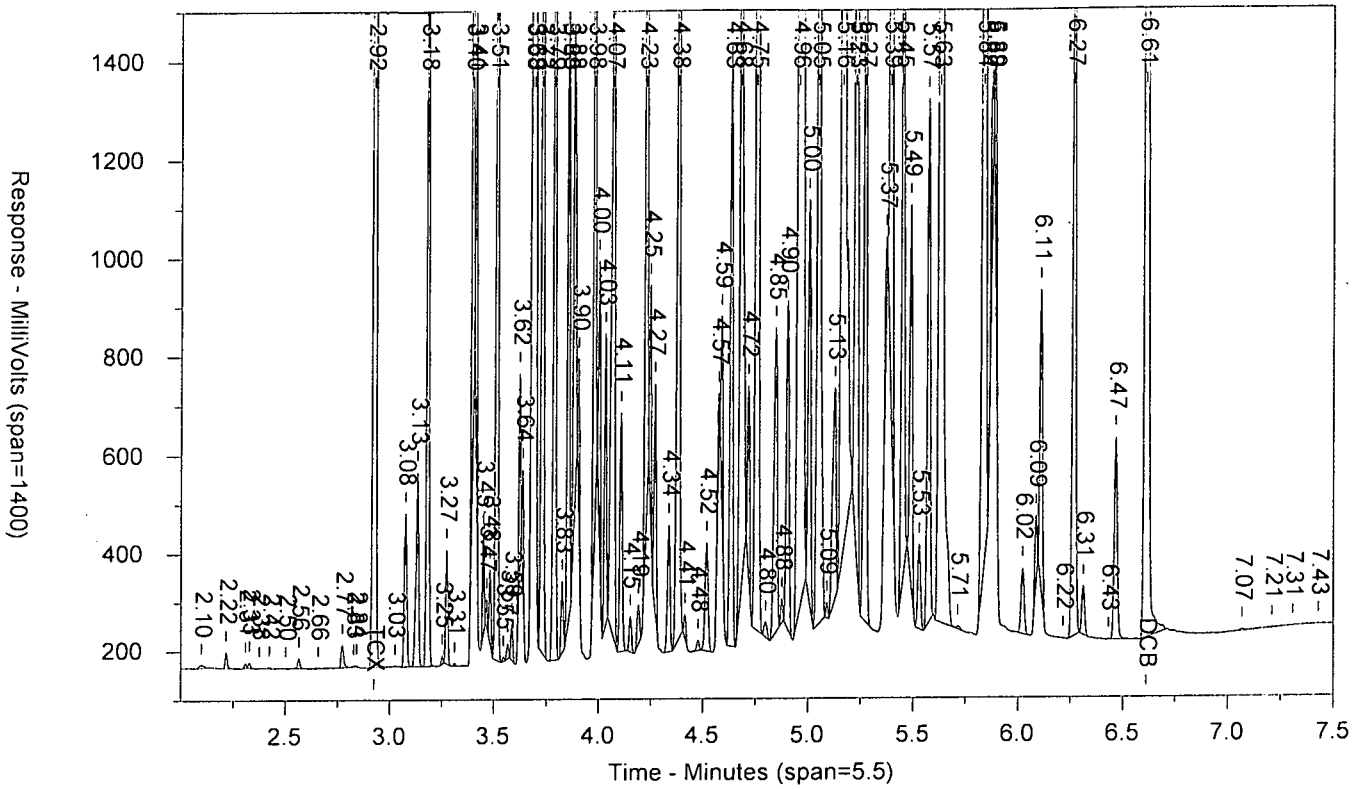

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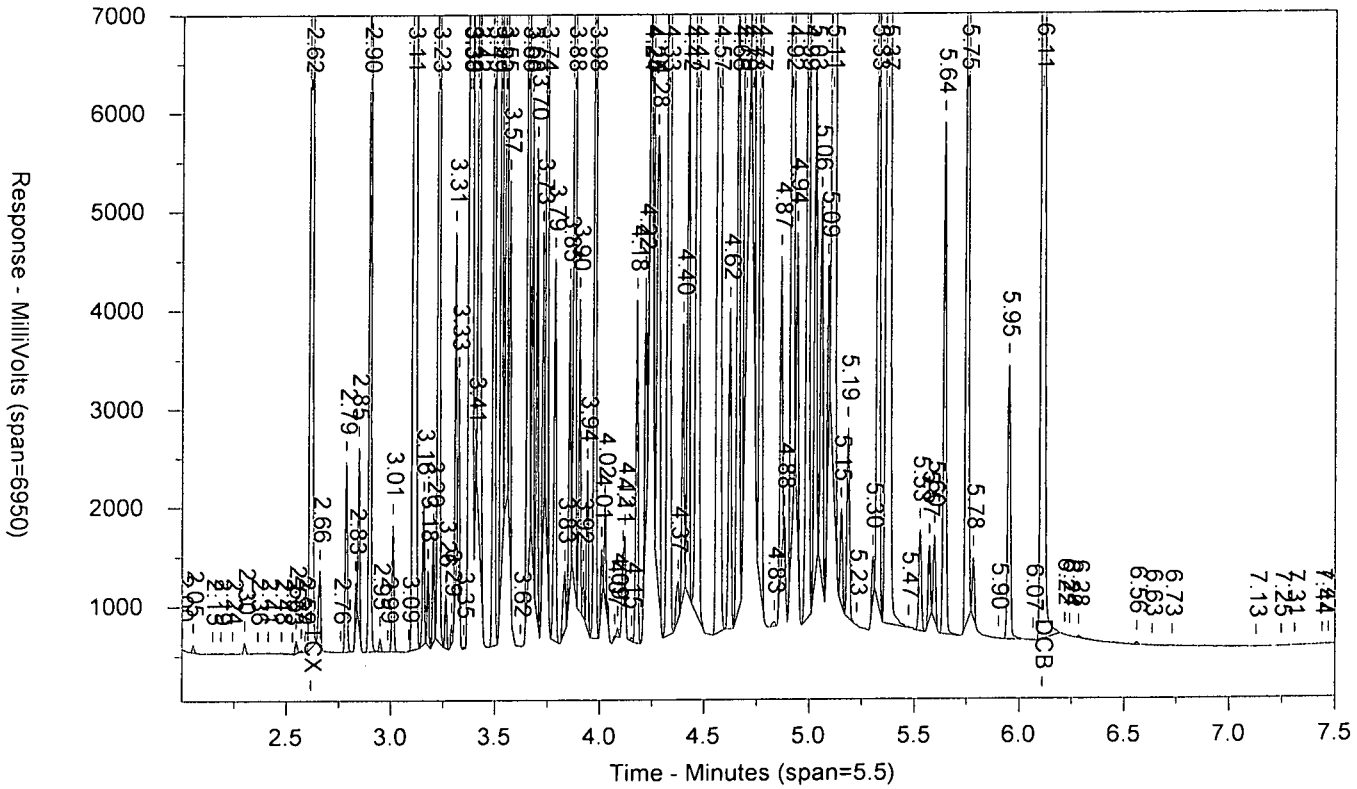

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:26:15 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	9286271	82.662	TCX	2.616	56564200	82.637	TCX
6.612	5556144	83.221	DCB	6.109	37969230	79.504	DCB

Files:
Area File: 20pcbs17137001.011.RAW
Area File: 20pcbs17137001B.011.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:34:58 PM
File Reported On: 5/17/2017 at 6:35:07 PM

AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082

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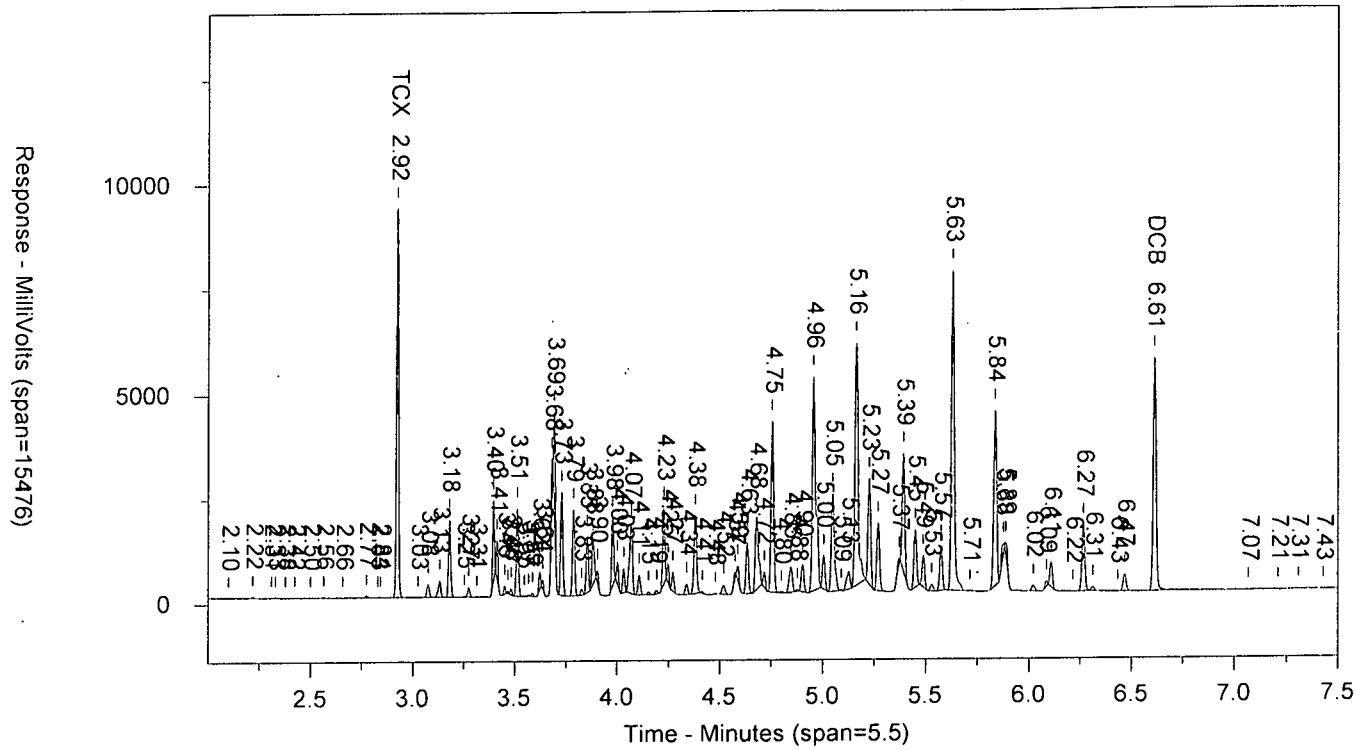

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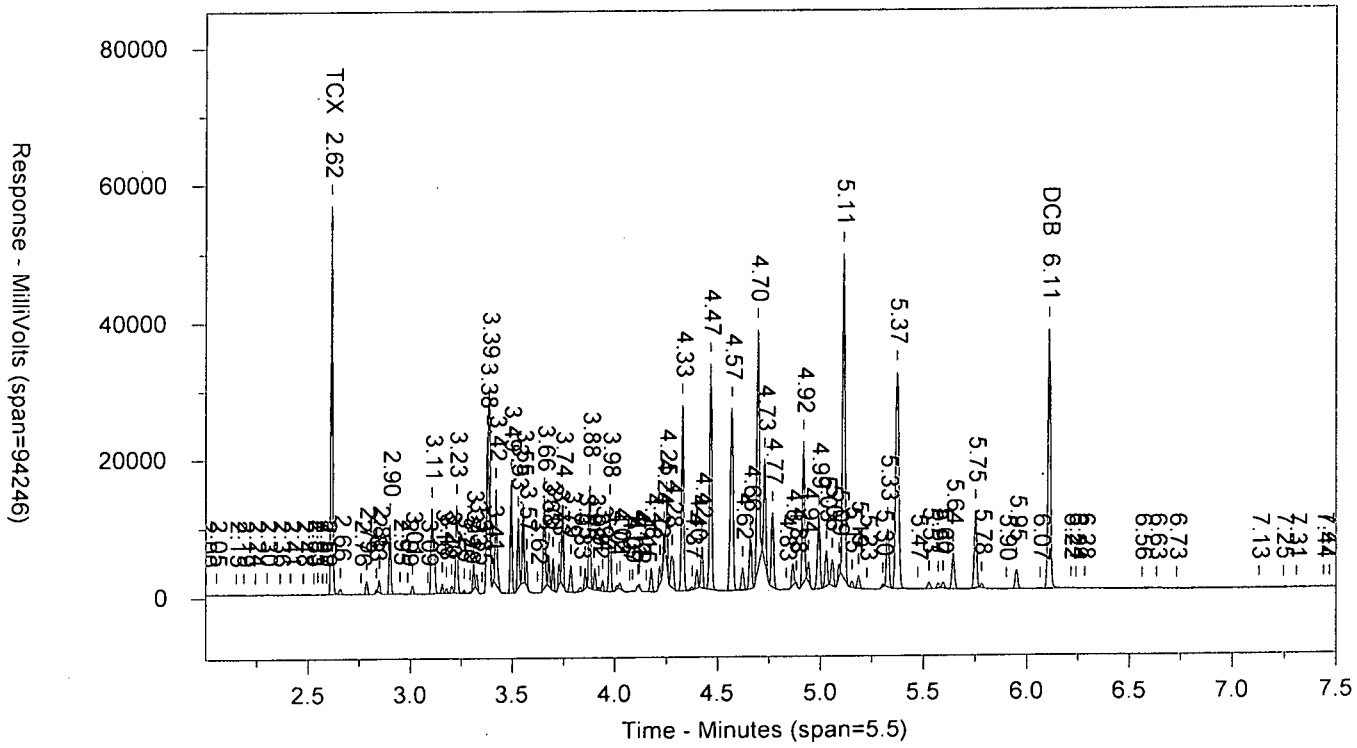

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:37:44 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.012.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		9420	13791
2.139		2695	3192
2.218		1548	1231
2.309		17593	12805
2.379		1971	2311
2.424		3230	2863
2.551		1637	1231
2.661		1205	938
2.774		36807	31385
2.828		3966	3504
2.923	TCX	460974	306632
3.075		3648	3042
3.123		6576	6443
3.181		22198	17757
3.252		1136	614
3.274		4080	2899
3.395		66539	40572
3.412		20147	9344
3.449		3730	2222
3.481		1322	871
3.512		54242	40738
3.586		1865	1282
3.621		8696	5174
3.68		51110	25975
3.691		38092	22196
3.727		63771	48265
3.785		64312	49370
3.826		8233	5557
3.853		120639	88677
3.88		79453	62835
3.902		23382	13177
3.977		134537	99753
4.001		39255	25112
4.032		47204	33667
4.067		111038	105185
4.107		37712	29886
4.152		2433	1456
4.192		11015	9366
4.225		107029	76255
4.246		125818	84164
4.269		138872	101155
4.294		4561	2737
4.336		13002	12120
4.376		132507	109784
4.397		33005	17180
4.414		19711	11509
4.452		1847	1154
4.477		7483	5655
4.519		39651	38270
4.572		56844	48554
4.602		32615	24171
4.633		96997	83841
4.678		2597	2559
4.718		37162	33180

RT A	Compound A	Height A	Area A
4.755		9074	10642
4.805		8310	7753
4.847		63827	59798
4.927		5810	7266
4.954		5586	3714
4.972		4513	2689
5.047		61112	61478
5.087		1620	1175
5.117		3936	4439
5.163		16794	16115
5.202		1956	1480
5.224		2190	1687
5.269		1559	1776
5.375		3289	2838
5.433		1011	1006
5.529		4227	4690
5.573		3067	3196
5.63		4080	3068
5.65		2861	2189
5.746		1379	1131
5.835		5260	5769
5.894		1611	2470
5.988		1174	1286
6.022		5552	5854
6.087		5249	4867
6.107		1396	850
6.222		820	2372
6.266		2133	2204
6.332		2179	2208
6.463		4410	4390
6.506		1274	1555
6.611	DCB	287278	315972
7.303		1082	62618
8.242		408	493
8.452		765	792

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:37:44 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.012.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		13837	11521
2.158		6038	4406
2.202		8846	4381
2.242		14742	23404
2.301		2489	2659
2.343		1735	1225
2.413		10480	14250
2.478		5171	3746
2.547		107455	84633
2.615	TCX	2792628	1632223
2.659		8028	5082
2.702		3908	6430
2.786		19090	14055
2.833		32219	16276
2.847		15034	9075
2.899		125696	93234
2.949		7374	4768
3.009		24675	17475
3.105		423146	365759
3.157		16966	9686
3.179		14715	11204
3.202		12530	6411
3.227		335335	221142
3.266		19372	12424
3.291		10944	5281
3.31		70444	35061
3.325		81426	41767
3.354		3156	1550
3.375		335505	152097
3.384		346830	148681
3.405		72833	31513
3.418		306693	170510
3.493		508469	317825
3.527		865156	525161
3.551		791158	438826
3.569		268385	136027
3.598		4439	3854
3.654		1060079	673747
3.677		310794	170971
3.698		349791	206025
3.727		161321	82064
3.743		747212	439649
3.785		284286	199864
3.832		57506	48559
3.854		579818	360234
3.876		1406615	889202
3.901		973126	605228
3.921		85680	41372
3.939		72415	39043
3.975		433187	300332
4.01		700668	535716
4.038		345500	197367
4.074		18716	12517
4.084		23521	11260

RT B	Compound B	Height B	Area B
4.119		256598	189309
4.176		409784	311064
4.209		247485	165484
4.237		637437	466741
4.275		13398	12403
4.33		267772	251235
4.366		57493	42078
4.398		392834	292850
4.422		12899	6737
4.441		5257	2617
4.465		55036	34933
4.49		33382	23215
4.515		9877	10037
4.565		71770	75357
4.616		365100	279425
4.644		4461	2229
4.66		10002	10245
4.696		106538	88952
4.728		8227	4237
4.768		10978	11681
4.842		12128	16920
4.865		2204	1165
4.884		3799	2997
4.917		19274	13880
4.941		33457	25388
4.989		10823	9826
5.026		5075	4034
5.061		14250	11408
5.088		13709	8898
5.111		35264	28947
5.185		32174	26845
5.327		10781	8032
5.346		4032	1904
5.373		23360	23338
5.444		5960	5060
5.527		41637	36055
5.595		45547	44880
5.644		19132	22733
5.749		11345	11294
5.832		2688	2458
5.948		29788	26671
6.109	DCB	2026870	1878598
7.193		1996	1167
7.365		1771	6866
7.437		2156	4853
7.921		1763	1750
8.218		15936	30555

AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082

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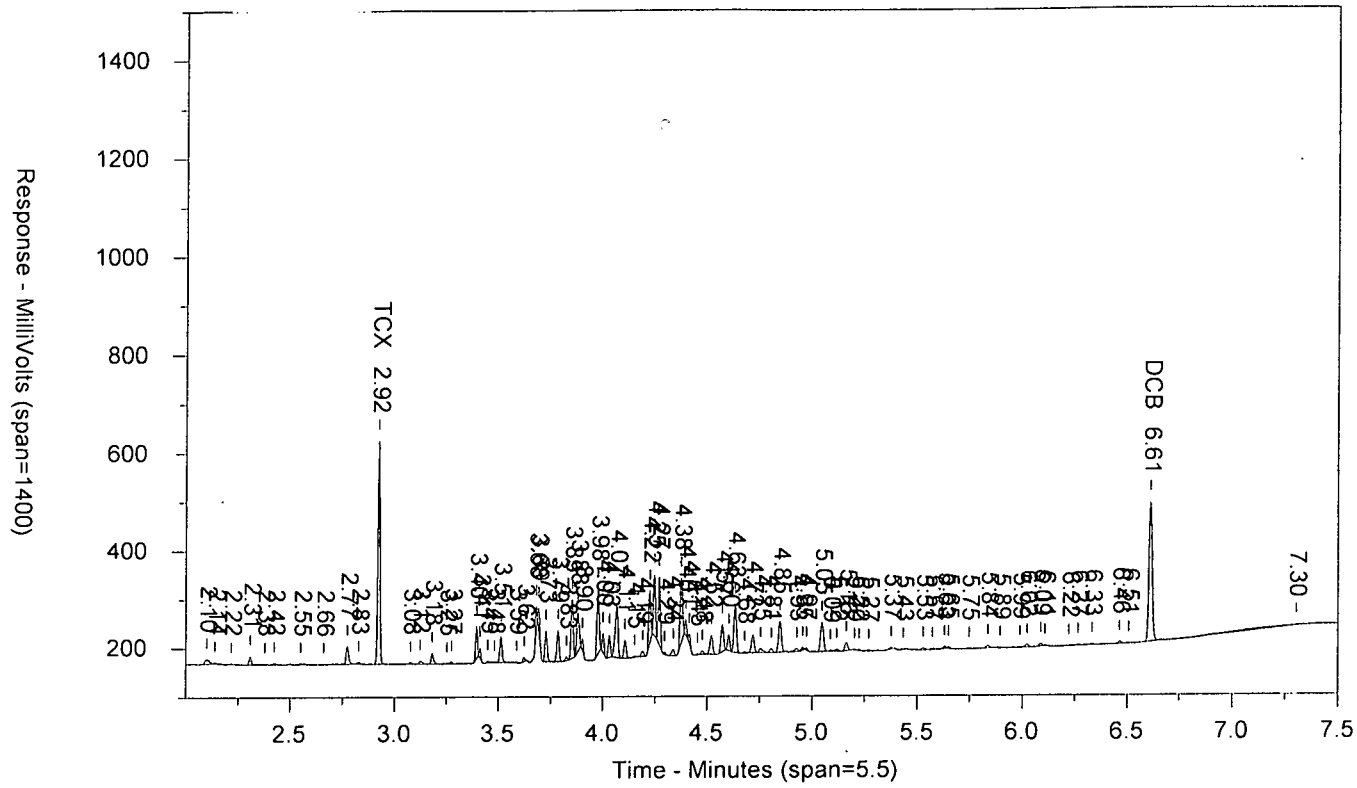

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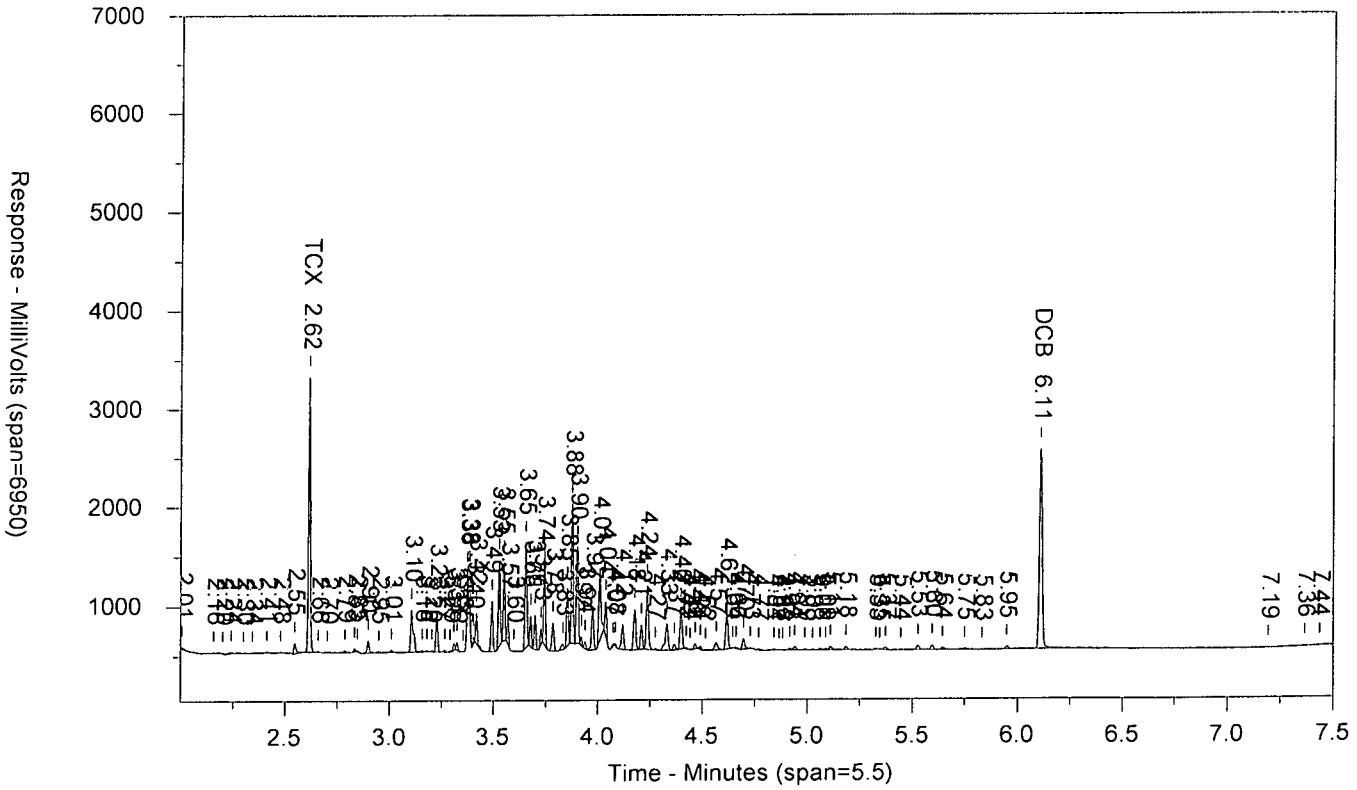

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:37:44 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	460974	4.056	TCX	2.615	2792628	4.04	TCX
6.611	287278	4.175	DCB	6.109	2026870	4.16	DCB

Files:
Area File: 20pcbs17137001.012.RAW
Area File: 20pcbs17137001B.012.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:46:29 PM
File Reported On: 5/17/2017 at 6:46:37 PM

AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082

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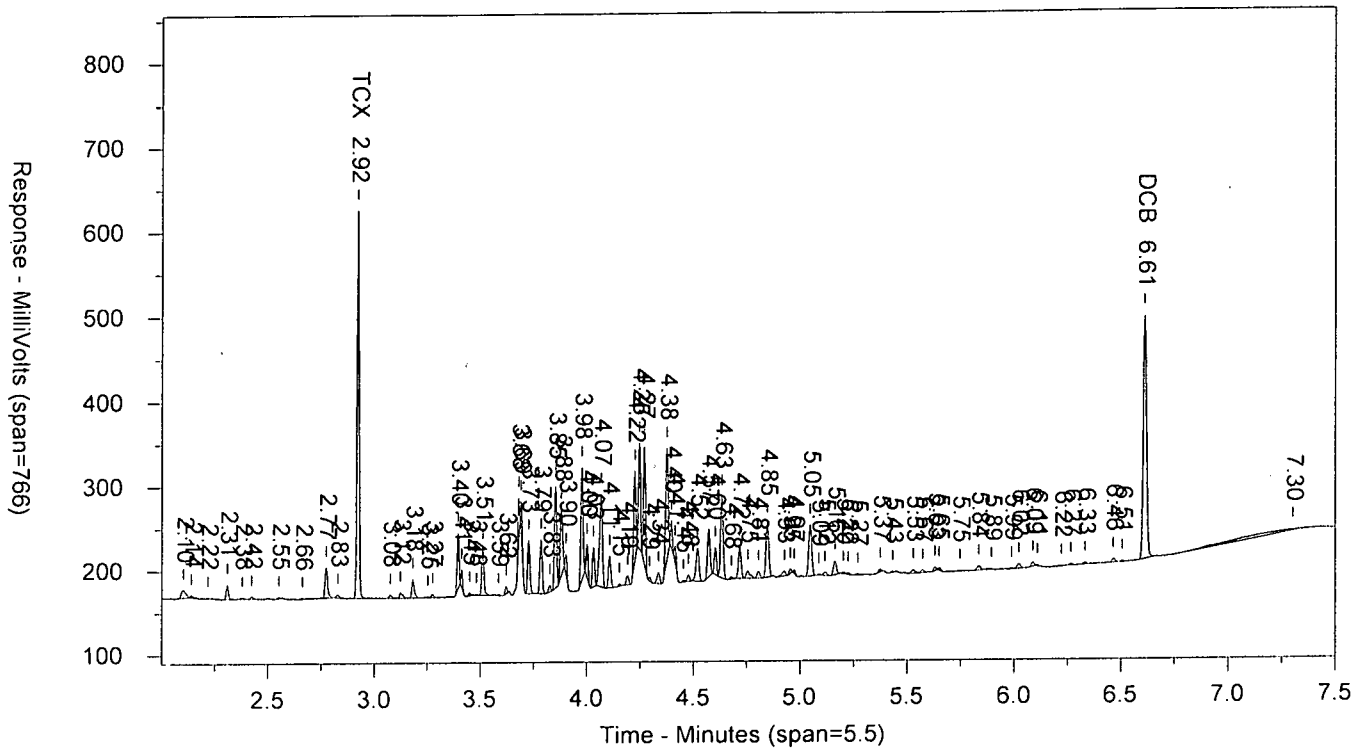

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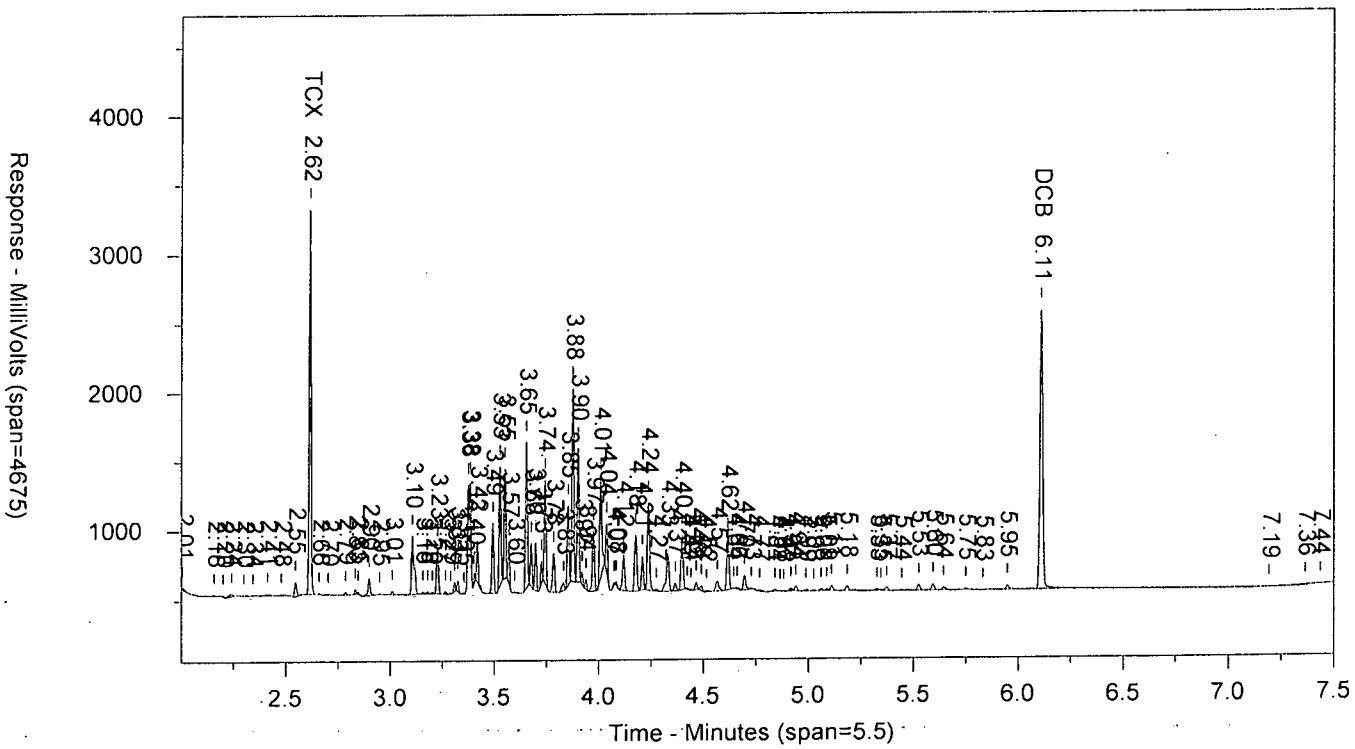

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:49:09 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.013.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		8863	12774
2.217		7883	6283
2.309		17058	10884
2.328		2033	1139
2.378		1826	2076
2.424		3220	2724
2.501		783	907
2.55		930	688
2.658		1162	990
2.774		36945	32374
2.828		4181	4053
2.923	TCX	2278533	1522250
3.075		7340	6495
3.122		33148	25086
3.181		44509	33093
3.253		5064	2971
3.273		7960	5117
3.394		120669	76145
3.411		37077	18184
3.448		7807	4539
3.481		2419	1499
3.511		106353	78468
3.567		7654	4597
3.584		2856	1725
3.62		19558	10913
3.635		5024	2112
3.679		85107	46887
3.69		94974	49013
3.726		121620	95712
3.784		118635	98850
3.825		18392	12179
3.852		225584	167928
3.879		152868	121488
3.902		49125	26753
3.977		264307	190492
4		76727	49035
4.03		92742	66611
4.066		215342	203852
4.107		76787	59738
4.152		6335	4535
4.191		21383	18438
4.224		204920	142782
4.245		256218	163739
4.268		253751	196866
4.294		3248	1885
4.335		26263	23979
4.374		246079	210227
4.396		61552	31650
4.412		41504	22841
4.452		3815	2534
4.476		15100	11170
4.518		78122	70692
4.571		106928	94912
4.602		63905	46638

RT A	Compound A	Height A	Area A
4.631		183459	160259
4.677		4600	4351
4.717		73920	64288
4.754		16219	20030
4.805		17218	16019
4.846		121956	114282
4.877		5010	3513
4.925		10589	13229
4.954		10041	7430
4.971		8133	4912
5.003		2019	1505
5.046		118261	113310
5.088		2502	1962
5.117		14023	14486
5.162		28608	28155
5.202		2650	1689
5.223		3861	3160
5.266		2559	2616
5.373		11513	17369
5.448		3104	4466
5.527		12100	12065
5.573		5646	4737
5.629		5386	3604
5.649		15739	13504
5.833		9131	10003
5.889		3152	5333
5.983		936	670
6.021		25946	25612
6.085		23482	20783
6.265		3900	4752
6.465		17052	17693
6.611	DCB	1306080	1375143
7.07		1067	3992
7.352		946	23922
7.817		619	376
8.151		693	492
8.421		871	5862

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL.1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:49:09 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.013.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		12674	9588
2.053		21106	15095
2.119		1803	1366
2.157		5401	4043
2.24		15572	24720
2.394		1693	1038
2.411		5254	5952
2.477		6016	4726
2.547		108403	85248
2.616	TCX	13624770	8113178
2.659		13338	6855
2.786		47617	34058
2.833		187138	143484
2.898		246549	165125
2.949		35799	21302
3.009		50331	30714
3.105		793582	694356
3.156		44860	25862
3.178		24210	15005
3.203		22217	12059
3.226		650909	426639
3.264		31310	18749
3.291		60358	30226
3.309		146093	73412
3.324		94903	45633
3.353		3200	1295
3.374		663878	308601
3.384		712787	278776
3.404		142940	60947
3.417		596263	339440
3.492		978927	610801
3.526		1603513	1002633
3.55		1476024	831493
3.568		521860	255818
3.653		2040152	1292816
3.676		584327	317512
3.697		667585	396289
3.726		305199	152756
3.743		1446082	847009
3.783		548478	388253
3.831		113492	94019
3.853		1160536	697154
3.876		2750551	1739992
3.901		1976571	1194788
3.92		170095	81575
3.938		139618	76284
3.974		825765	569739
4.009		1379956	1038199
4.037		716173	397922
4.084		116435	117795
4.119		498679	363146
4.15		6017	2857
4.175		815248	605941
4.208		458027	317281

RT B	Compound B	Height B	Area B
4.236		1230562	895747
4.274		24713	24306
4.33		506491	475448
4.365		123636	86474
4.397		795399	574260
4.421		23369	11593
4.439		29019	17037
4.464		104496	65148
4.489		61354	42980
4.526		3070	4331
4.564		133747	134939
4.615		713273	566649
4.667		74529	74137
4.696		190862	162598
4.727		15875	7286
4.742		13738	7063
4.765		17366	15290
4.841		11660	18085
4.866		3861	1897
4.883		7770	4665
4.916		35598	25425
4.94		64428	48436
4.989		20000	20841
5.026		7429	5536
5.062		60903	49330
5.088		24377	15902
5.111		60332	51667
5.185		149495	128826
5.305		1869	1361
5.326		28609	24579
5.373		54171	54842
5.443		7885	9255
5.526		178097	154925
5.595		188546	169338
5.644		69006	57783
5.751		24891	20941
5.95		119810	100049
5.983		3382	1976
6.108	DCB	9301134	8333380
6.473		1879	2574
6.558		7280	10450
6.716		1828	2434
7.027		2162	5238
7.496		2036	23563
7.722		2575	5850
7.778		2456	4586
8.216		16487	29376
8.412		1911	2075
8.497		1270	1150

AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082

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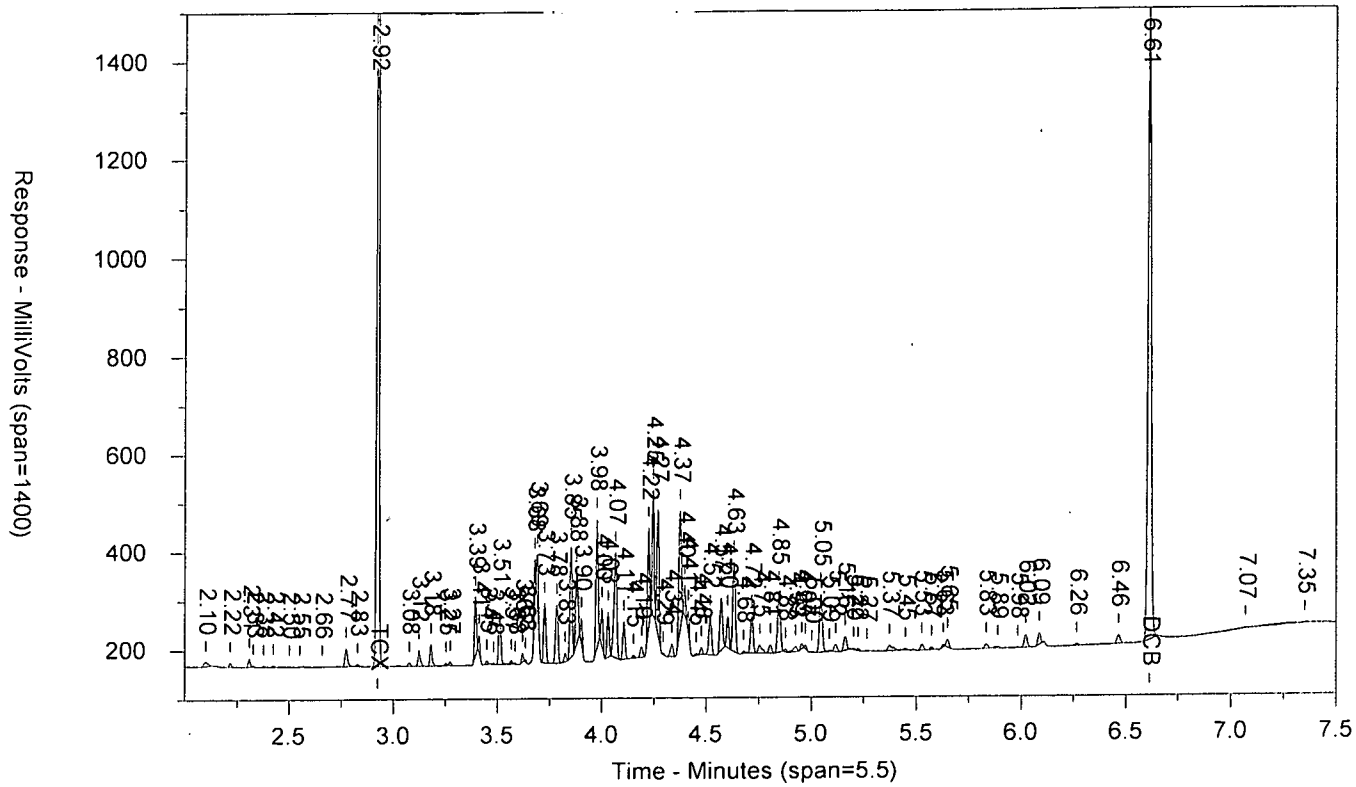

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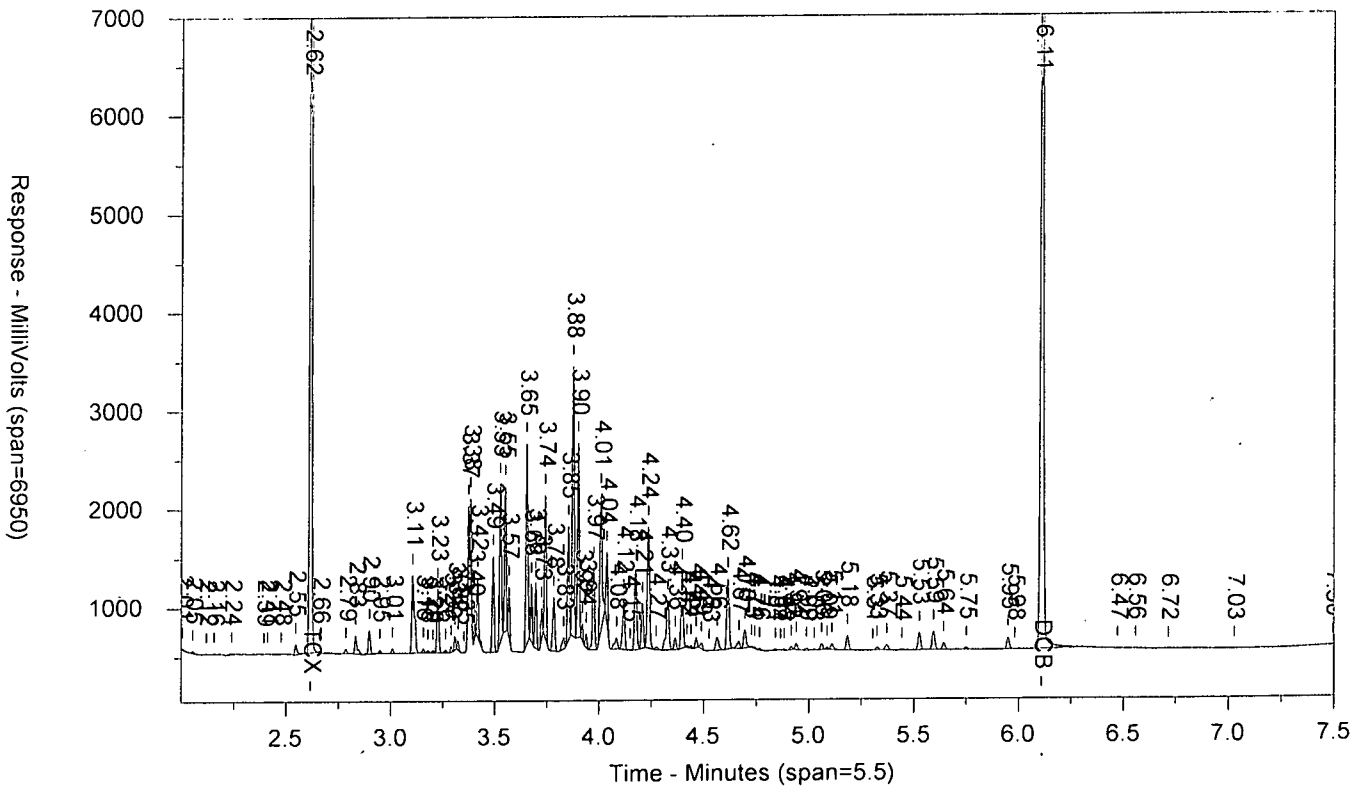

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:49:09 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	2278533	20.05	TCX	2.616	13624770	19.709	TCX
6.611	1306080	18.979	DCB	6.108	9301134	19.092	DCB

Files:
Area File: 20pcbs17137001.013.RAW
Area File: 20pcbs17137001B.013.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:57:54 PM
File Reported On: 5/17/2017 at 6:58:03 PM

AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082

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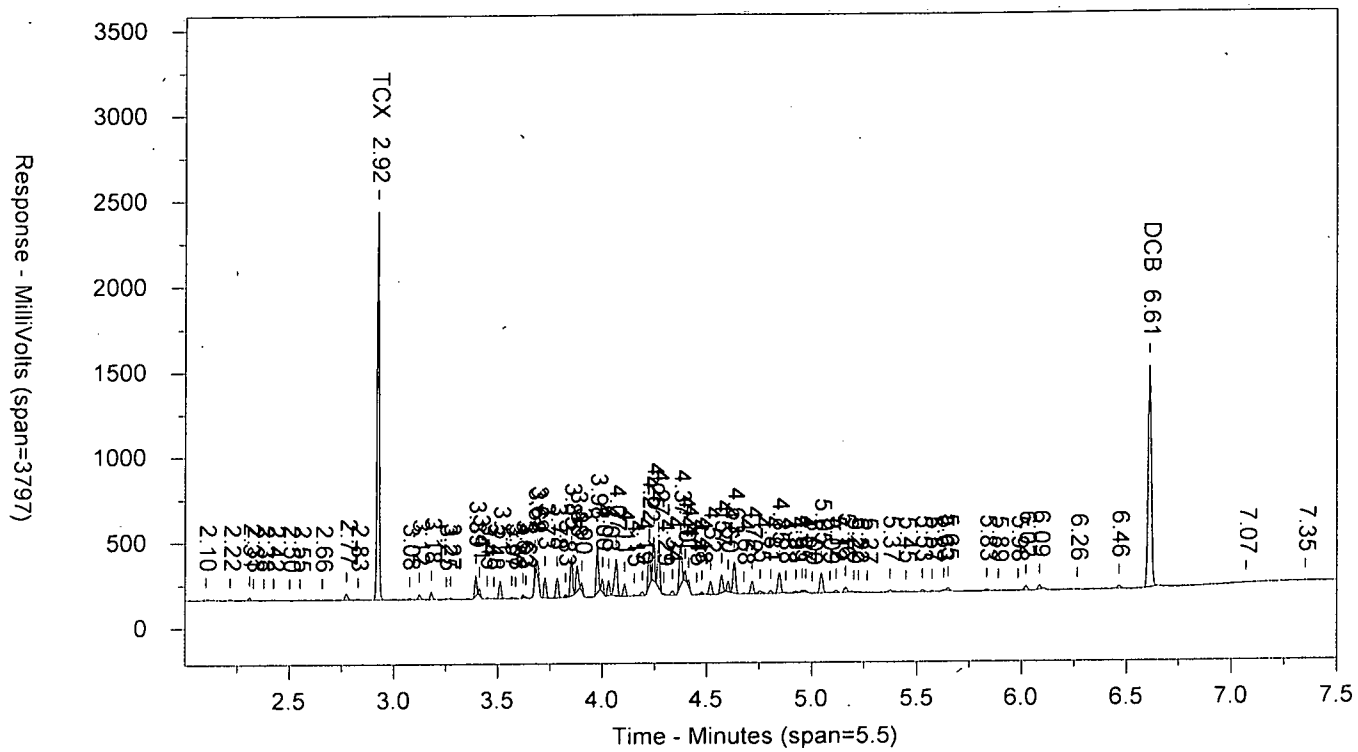

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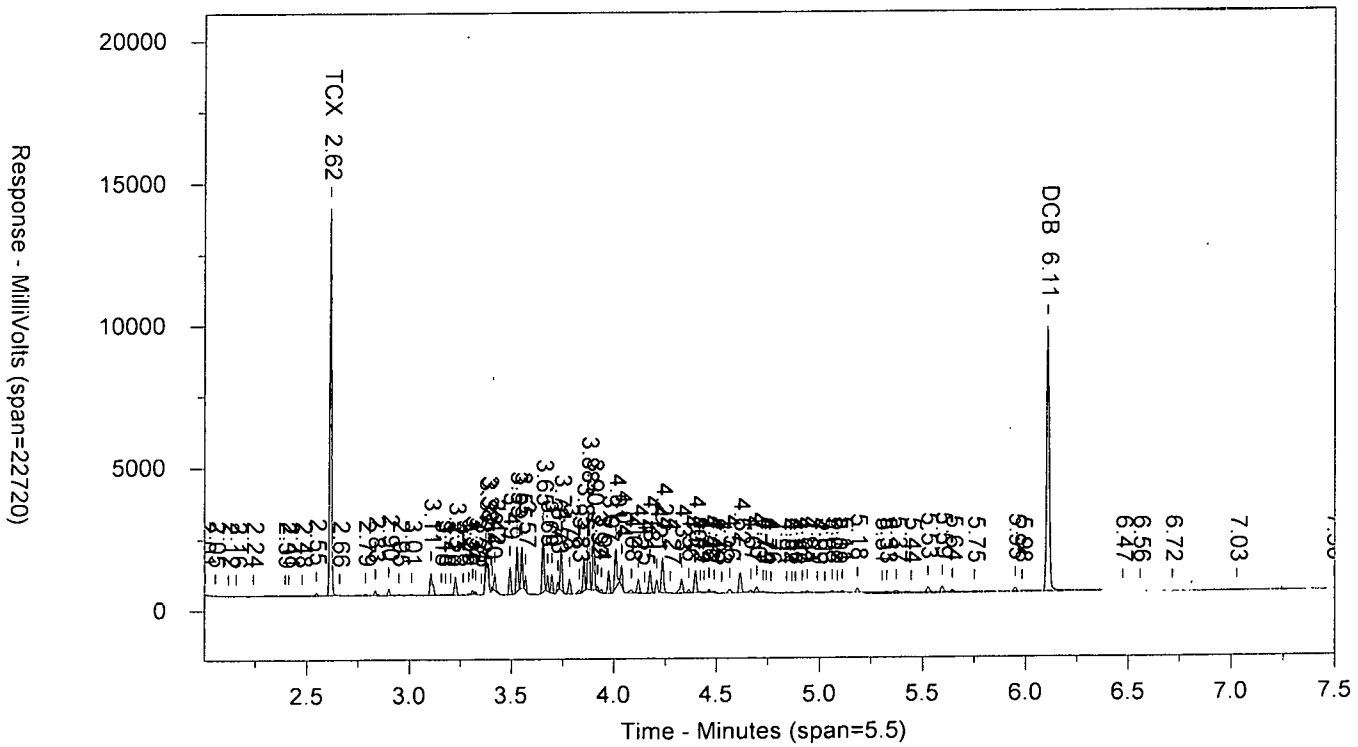

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:00:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.014.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.098		7336	16981
2.217		16226	11825
2.309		14041	8787
2.327		5347	2999
2.375		1209	1416
2.423		4191	3406
2.447		2452	1636
2.564		2513	3753
2.656		1085	867
2.773		40534	35222
2.827		5129	4482
2.923	TCX	4587250	3123811
3.025		1452	765
3.075		16285	13493
3.122		64679	49669
3.18		84570	61014
3.252		9077	5367
3.273		15100	9711
3.359		990	627
3.394		222033	134027
3.411		65503	33182
3.448		14799	8715
3.464		2958	1222
3.48		4553	2542
3.511		195244	146100
3.566		16698	9470
3.584		6998	3893
3.62		36082	21548
3.635		8490	3848
3.679		150048	81391
3.69		171370	89178
3.726		227162	179863
3.784		225668	184826
3.825		35371	24172
3.853		411007	305360
3.88		273118	220845
3.901		84653	46384
3.976		487480	354434
4		131154	86357
4.031		170033	123894
4.066		402590	385907
4.106		135862	112361
4.151		13782	10351
4.191		39839	35741
4.225		381910	269549
4.246		471790	310905
4.269		537758	385660
4.335		49148	46219
4.375		480448	402574
4.396		122790	64051
4.412		68963	40370
4.453		8018	5090
4.476		27833	20987
4.519		138344	130249

RT A	Compound A	Height A	Area A
4.571		203806	178929
4.602		113417	86670
4.631		356304	303032
4.676		6981	4877
4.716		132384	120010
4.754		31226	38211
4.805		32595	30425
4.846		218179	213403
4.876		9982	6739
4.926		18658	22653
4.955		21448	14973
4.971		13512	9218
5.003		4362	3659
5.046		215397	213546
5.09		5162	3796
5.117		25950	26481
5.163		58120	52846
5.202		3963	2271
5.225		8187	6102
5.269		4610	3850
5.373		12843	11039
5.448		5089	5086
5.528		20621	20740
5.573		11315	9751
5.598		1746	1108
5.629		11015	7814
5.649		27066	22025
5.769		457	847
5.834		15684	17087
5.889		6216	10197
5.988		2220	2235
6.021		46753	45496
6.086		43923	37336
6.107		8617	5621
6.265		7398	7925
6.334		906	757
6.465		36413	36015
6.611	DCB	2842436	2848658
7.073		1611	5730
7.306		716	12103
8.405		918	1260

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:00:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.014.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		3444	3863
2.054		44006	39640
2.116		6698	12075
2.156		10009	36453
2.239		14121	22654
2.271		3363	2509
2.301		6009	5309
2.339		2180	1411
2.412		6880	7806
2.483		8694	33895
2.547		115743	101911
2.615	TCX	28617680	16447440
2.658		23928	12271
2.705		5148	5861
2.786		105357	73269
2.833		319001	169103
2.846		37322	13877
2.898		455497	294677
2.949		69823	40519
2.987		4082	2600
3.009		95274	57273
3.105		1482590	1268741
3.156		88139	52558
3.178		49359	28545
3.202		41303	21853
3.226		1188578	790716
3.263		67566	39850
3.291		119484	62255
3.309		268702	133945
3.324		181149	88636
3.352		3110	1589
3.374		1301277	588286
3.384		1391605	540213
3.404		255749	106841
3.417		1129541	652184
3.492		1839733	1141639
3.526		3190942	1861196
3.55		2867077	1557964
3.568		937692	477721
3.653		3901099	2435925
3.675		1060771	576854
3.697		1216937	734922
3.726		588049	301808
3.742		2796950	1616864
3.783		1018226	724635
3.831		207629	179442
3.853		2172541	1309647
3.876		5354666	3322076
3.9		3809695	2298570
3.919		300053	148653
3.938		256799	142934
3.974		1511710	1058953
4.009		2618636	1978975
4.037		1427806	791296

RT B	Compound B	Height B	Area B
4.084		214352	187210
4.119		885113	676623
4.151		10838	5457
4.175		1532848	1152285
4.207		880973	598004
4.236		2374166	1688450
4.274		47048	45713
4.329		929146	892012
4.364		231903	171419
4.397		1505291	1089909
4.42		43909	21586
4.439		52539	30294
4.463		194631	125097
4.489		118363	82224
4.518		2374	2301
4.564		246709	245923
4.616		1462199	1121668
4.667		144890	144677
4.695		359720	313195
4.727		30293	13922
4.741		22855	12165
4.765		28910	22463
4.823		4344	4790
4.838		4921	2650
4.865		8529	4447
4.882		12522	8340
4.917		62485	46529
4.94		122641	91421
4.99		36666	38891
5.027		14333	10858
5.061		116500	94770
5.088		45383	29582
5.11		119537	99019
5.157		3951	2732
5.184		237588	208109
5.302		2565	1929
5.325		56276	45290
5.373		106772	107999
5.444		15439	13148
5.526		319976	275686
5.594		339332	304690
5.643		126665	108124
5.749		48445	40242
5.779		2461	2571
5.903		5207	4533
5.949		237481	203301
5.98		5541	3743
6.003		3923	2475
6.108	DCB	19790550	16876110
6.242		4497	1796
6.559		14308	12962
7.325		1538	3468
7.445		1853	4071
7.581		1203	4806
8.216		14497	24913

AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082

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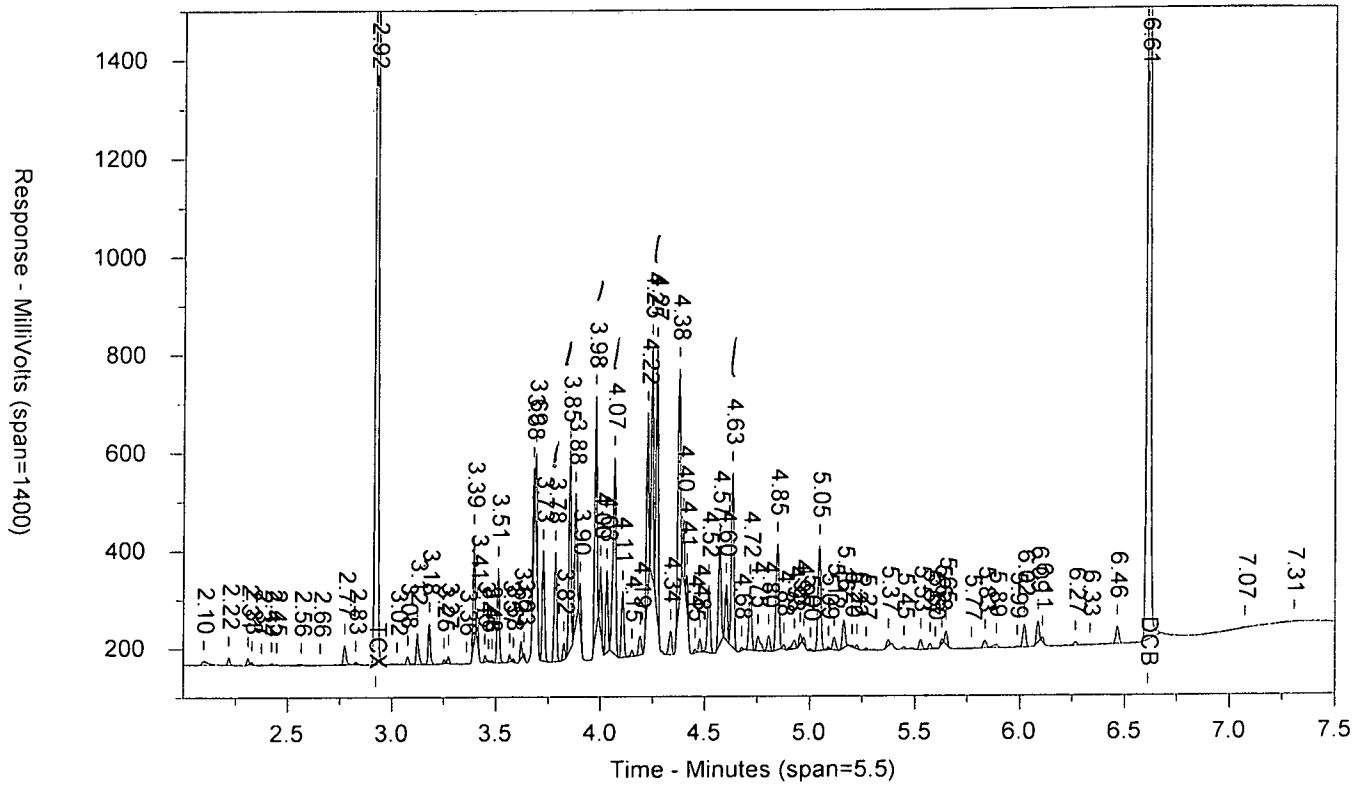

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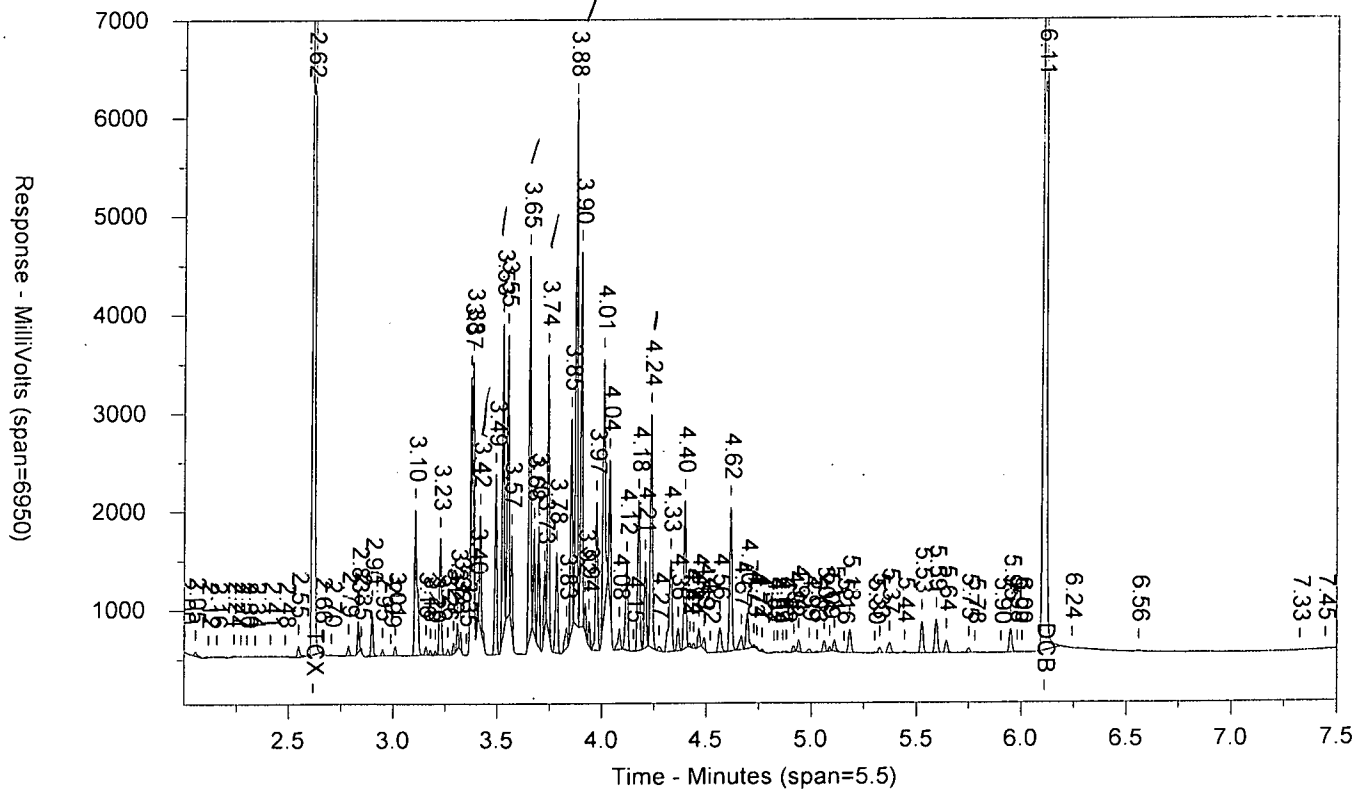

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:00:30 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	4587250	40.366	TCX	2.615	28617680	41.396	TCX
6.611	2842436	41.305	DCB	6.108	19790550	40.623	DCB

Files:
Area File: 20pcbs17137001.014.RAW
Area File: 20pcbs17137001B.014.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:09:14 PM
File Reported On: 5/17/2017 at 7:09:25 PM

AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082

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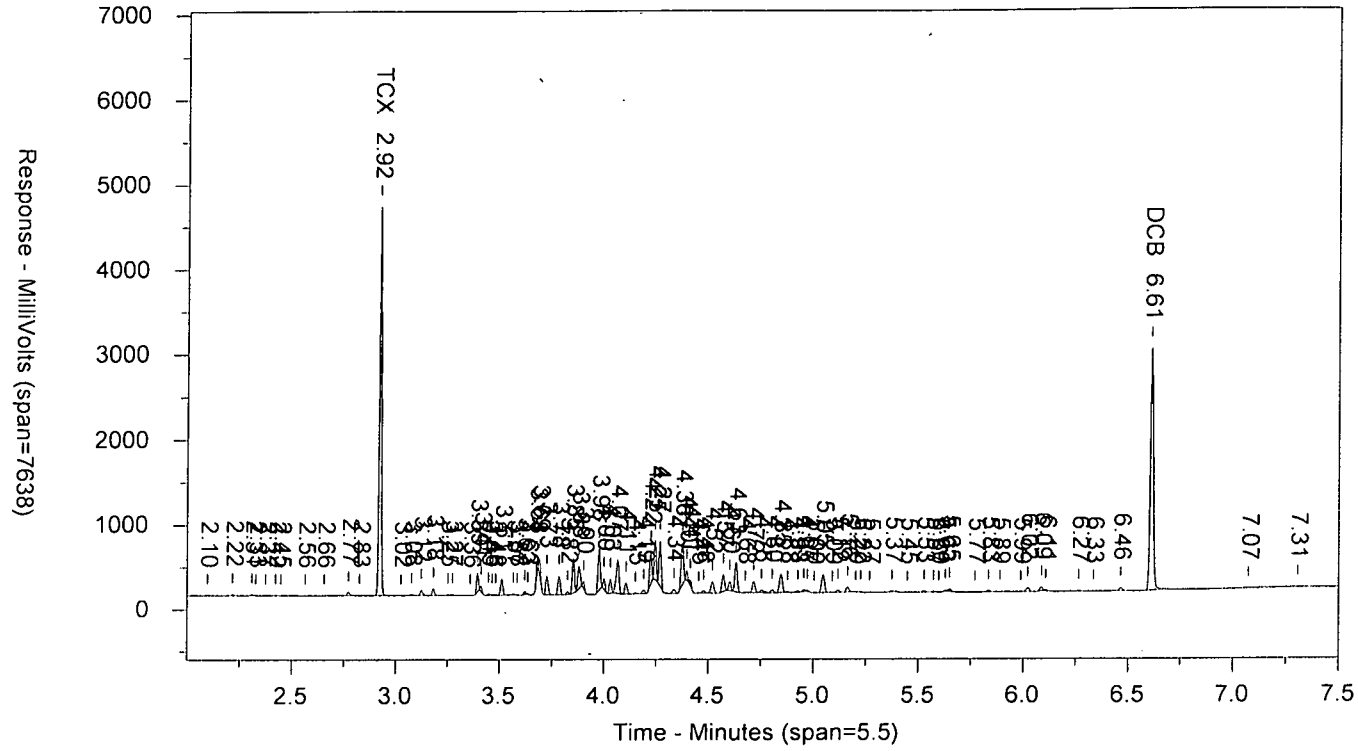

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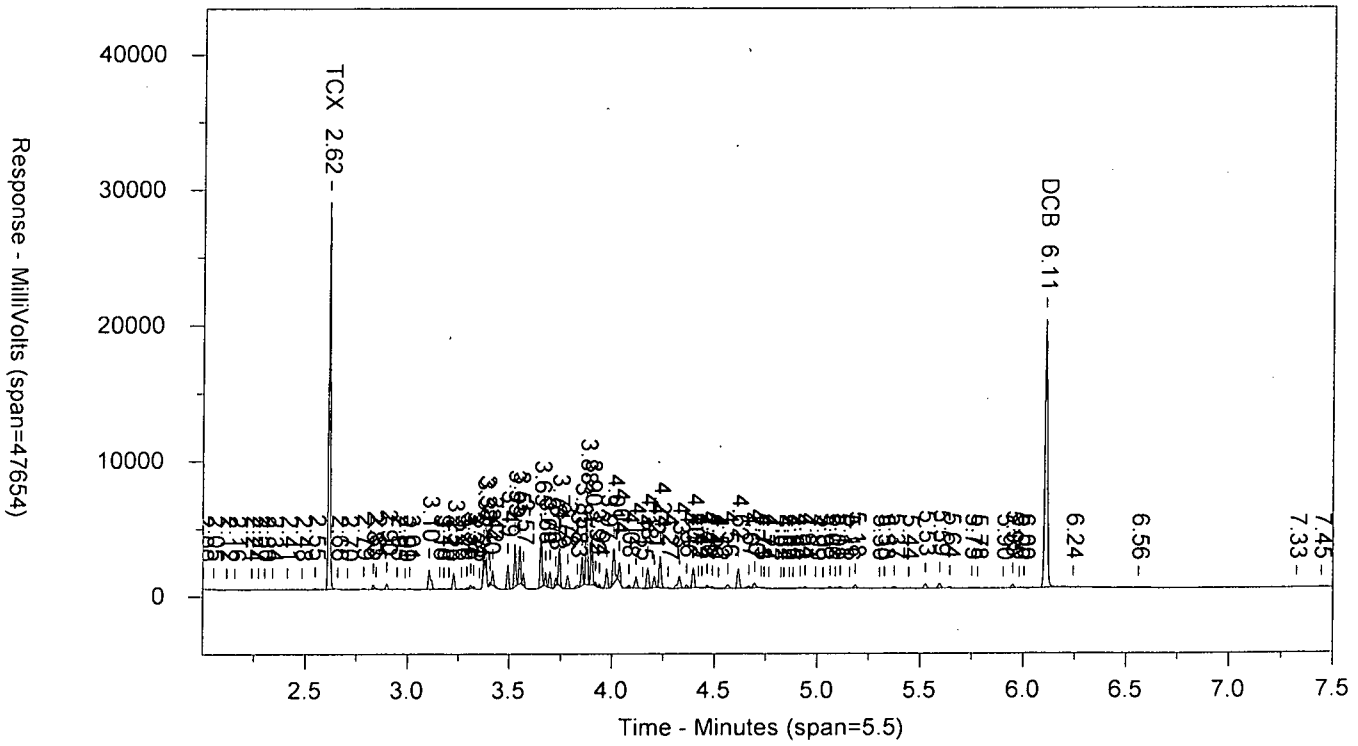

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:12:00 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.015.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		8359	11412
2.217		25475	18105
2.309		18010	11099
2.328		8169	4613
2.379		1939	2109
2.425		5826	5119
2.502		1259	1342
2.549		1349	824
2.564		2259	1438
2.658		1639	2137
2.719		1104	835
2.751		900	520
2.774		29483	24102
2.827		6706	6911
2.923	TCX	7226676	4837779
3.026		2483	1372
3.076		32963	27097
3.123		94733	84334
3.18		186204	135528
3.253		14496	8008
3.273		40117	25714
3.395		502874	310855
3.411		149550	74955
3.448		38214	23350
3.464		6225	2497
3.481		13356	7395
3.51		431278	343546
3.567		27448	16091
3.584		11914	7042
3.621		85162	51668
3.635		23090	10448
3.679		394745	200189
3.691		463102	243635
3.727		546276	418133
3.785		559879	450439
3.826		81569	57981
3.852		971043	719358
3.88		667112	533846
3.902		194270	109451
3.977		1155522	871026
4		320603	207999
4.032		401133	289492
4.067		1004437	938930
4.107		326973	264547
4.152		35307	27208
4.192		94004	84108
4.225		1000110	665927
4.246		1226616	790763
4.269		1321562	954947
4.336		113798	109548
4.375		1190273	989844
4.397		321817	173611
4.413		132081	75046
4.454		18080	12508

RT A	Compound A	Height A	Area A
4.477		67396	49640
4.519		327243	297902
4.571		499375	429364
4.603		277622	205483
4.633		858936	739322
4.678		16424	12069
4.717		323537	282569
4.755		71517	88544
4.806		81053	70440
4.847		525102	498791
4.877		15514	10685
4.928		42141	52201
4.955		45587	32824
4.972		31596	19842
5.004		8753	7647
5.047		542277	526559
5.09		13426	9820
5.117		50534	51789
5.163		131717	121644
5.186		5687	2336
5.203		8631	4776
5.225		19026	14310
5.269		10691	11284
5.312		1687	1059
5.374		30550	25825
5.449		9934	8537
5.489		4784	3486
5.528		35475	35147
5.574		25419	22776
5.598		3997	2637
5.63		27848	21508
5.651		51399	39666
5.745		736	1336
5.835		35240	39182
5.89		14238	24728
5.986		4651	4375
6.022		77886	78719
6.087		76377	63391
6.108		14759	9500
6.266		17469	17943
6.31		1303	991
6.393		1512	1459
6.466		55941	55077
6.613	DCB	4126763	4242890
6.733		2097	1683
6.928		910	2505
7.07		3257	6854
7.361		1248	24387
8.312		623	615
8.679		3418	4538

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:12:00 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.015.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		10147	8761
2.054		62382	41138
2.121		3018	1528
2.155		6616	6112
2.24		18624	29435
2.3		14902	9329
2.344		1835	1313
2.413		9168	9202
2.477		8693	13344
2.546		79682	47111
2.574		4489	3194
2.59		4992	2276
2.616	TCX	43947670	25366120
2.658		66747	37768
2.786		206161	143015
2.832		469933	241676
2.846		113410	45878
2.899		1009828	635651
2.949		109336	62353
3.009		231863	140711
3.105		3404198	2919764
3.156		231691	131585
3.178		89159	51544
3.203		101069	53368
3.227		2803889	1838013
3.264		113912	66969
3.291		185864	93769
3.309		634255	326330
3.324		302451	150305
3.351		6502	3238
3.374		3285784	1441643
3.384		3600312	1395639
3.404		569247	236335
3.418		2448493	1440444
3.492		4433489	2762948
3.527		7487300	4448681
3.55		6681319	3757791
3.568		2269669	1133104
3.653		9506378	5868204
3.676		2429337	1291614
3.697		2947622	1677754
3.726		1353091	671378
3.743		7023268	3946533
3.784		2351769	1703449
3.831		499056	411598
3.853		5382607	3249192
3.876		13107570	8193184
3.901		9545825	5689826
3.92		702686	330629
3.938		548569	306165
3.974		3629686	2499866
4.009		6419640	4809036
4.037		3780750	2057560
4.084		476624	375873

RT B	Compound B	Height B	Area B
4.119		2067483	1583569
4.151		18383	9410
4.176		3677732	2693049
4.209		1965832	1344551
4.236		5812918	4035195
4.274		119025	112311
4.33		2225487	2102556
4.365		537375	394559
4.397		3688487	2636272
4.421		98065	50404
4.44		80931	45440
4.464		427943	279985
4.49		272905	191291
4.52		5337	3759
4.564		562937	572681
4.616		3675986	2807203
4.667		261697	297484
4.696		886130	740101
4.727		65327	31632
4.742		56960	28377
4.766		67828	50563
4.839		23382	37936
4.865		18834	11033
4.883		30383	19170
4.917		152657	110370
4.941		290217	219406
4.99		85991	89209
5.027		33252	23635
5.062		205126	164195
5.088		117857	76386
5.111		275597	234111
5.185		455315	402546
5.302		7110	4302
5.327		130804	105857
5.373		228023	239195
5.444		33850	27755
5.527		538385	473152
5.595		593445	524271
5.644		218392	188749
5.751		110570	96007
5.783		6144	6622
5.833		2897	5700
5.901		6347	5092
5.95		355237	309750
5.981		7426	4842
6.003		5402	3151
6.07		3540	2261
6.109	DCB	29528940	24670880
6.286		4806	5826
6.561		21874	19757
7.559		864	15664
7.838		2126	3426
8.216		14928	22823

AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082

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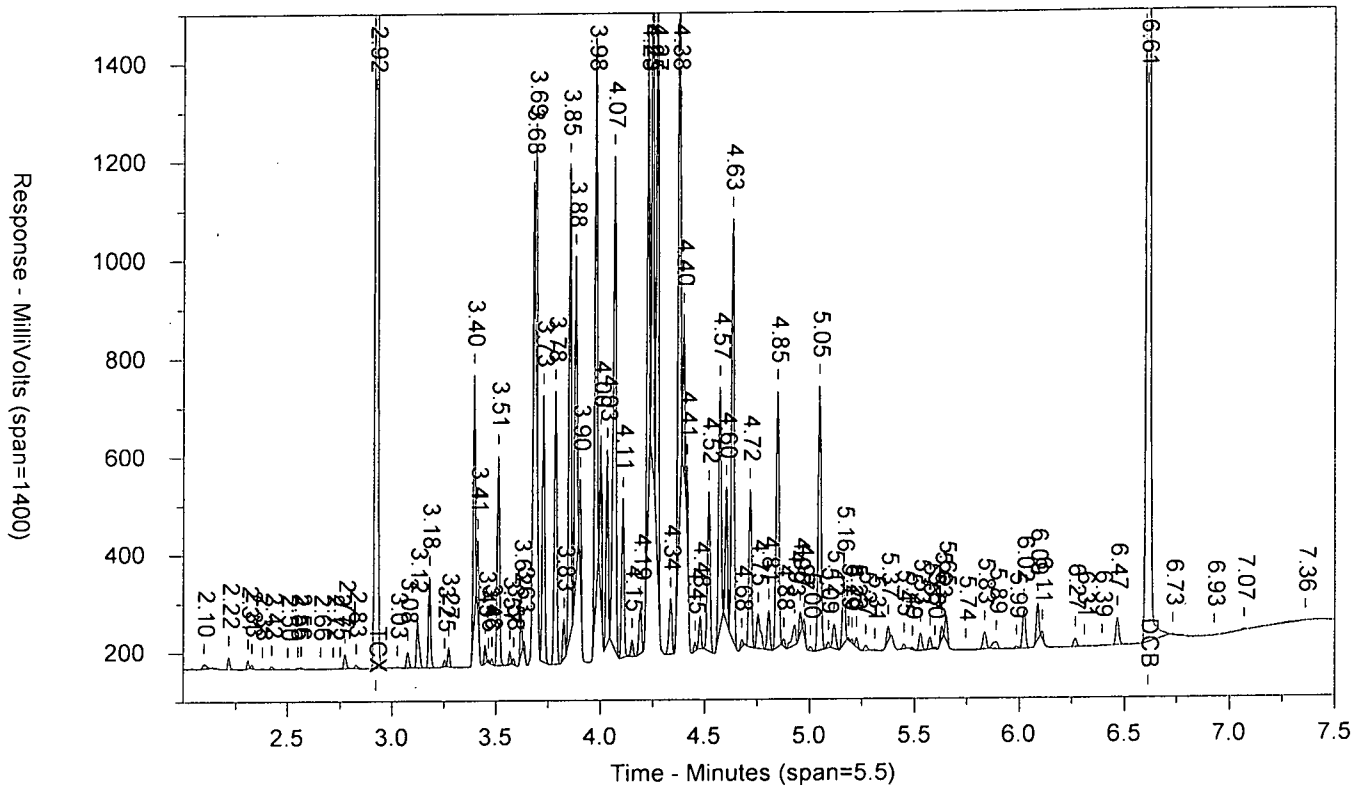

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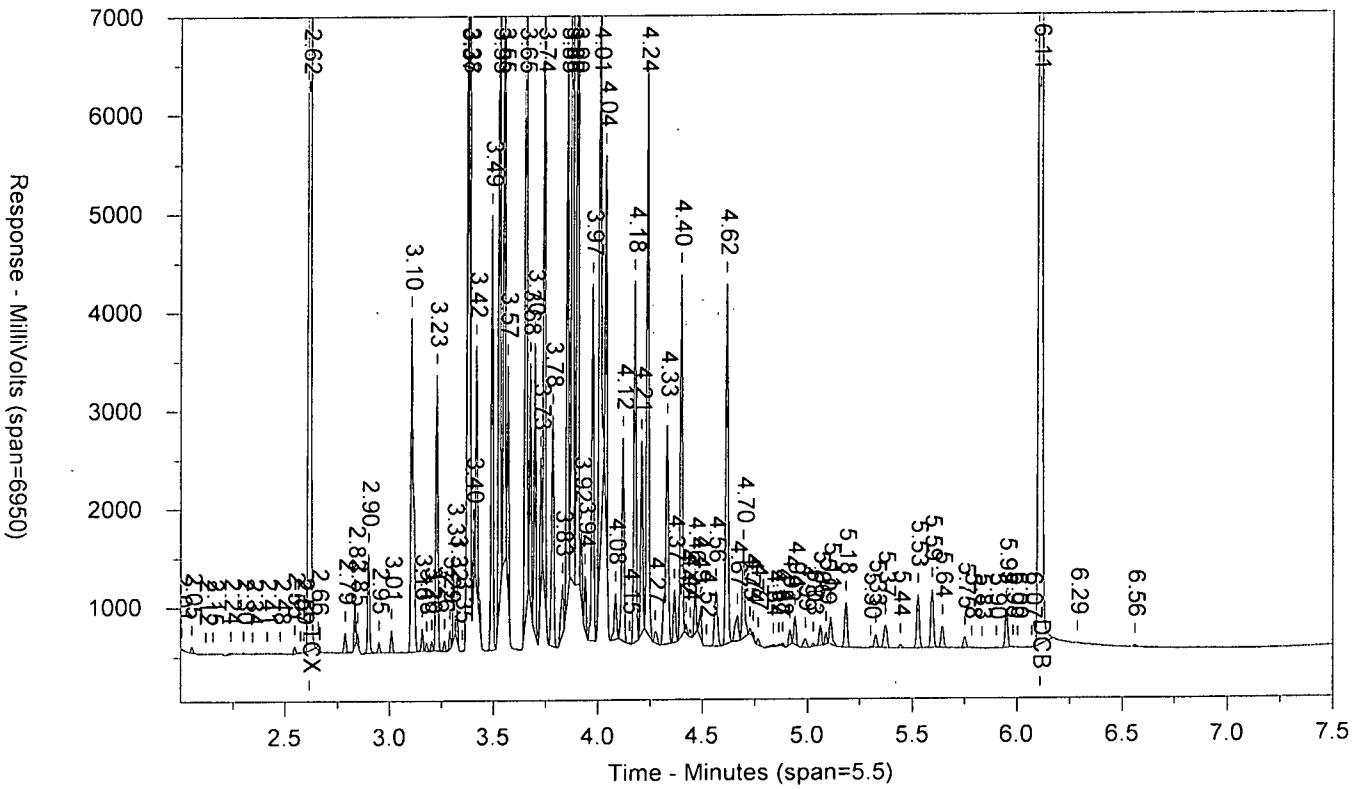

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:12:00 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	7226676	63.592	TCX	2.616	43947670	63.572	TCX
6.613	4126763	59.968	DCB	6.109	29528940	60.612	DCB

Files:
Area File: 20pcbs17137001.015.RAW
Area File: 20pcbs17137001B.015.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:20:44 PM
File Reported On: 5/17/2017 at 7:20:54 PM

AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082

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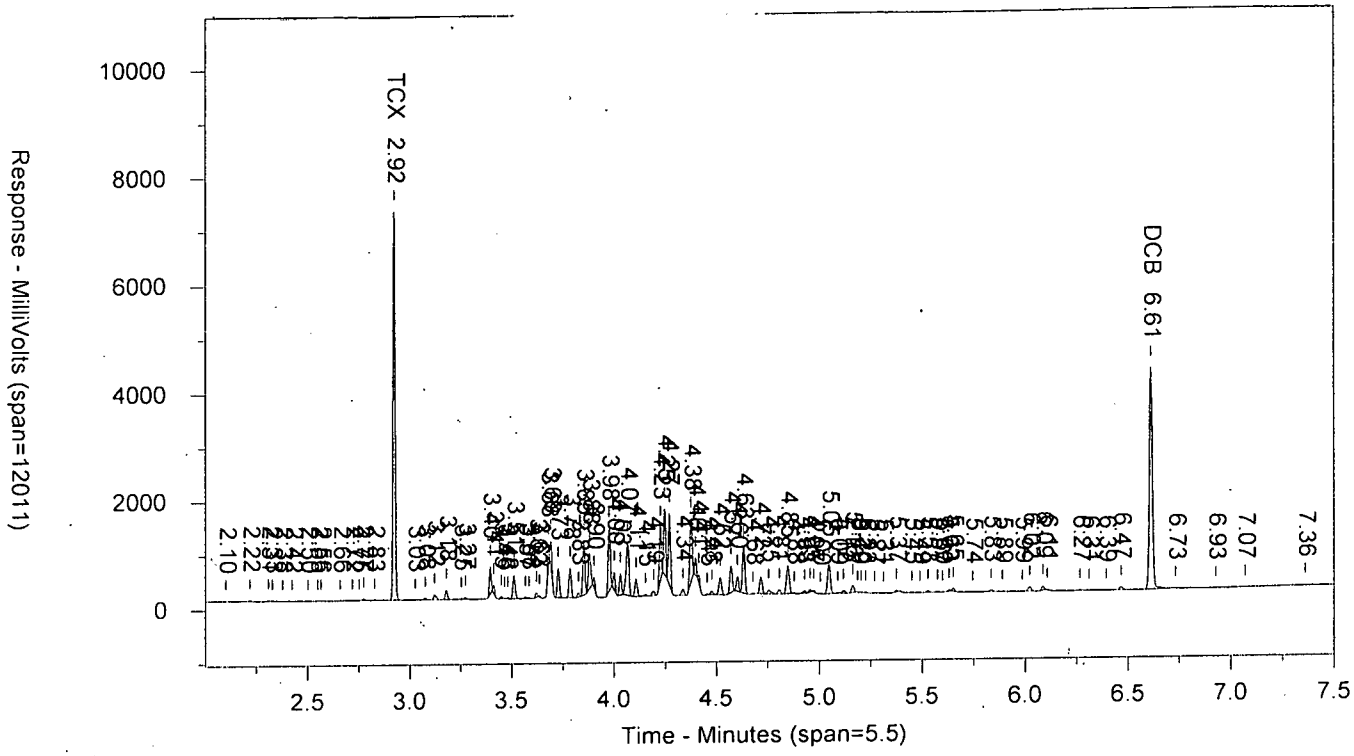

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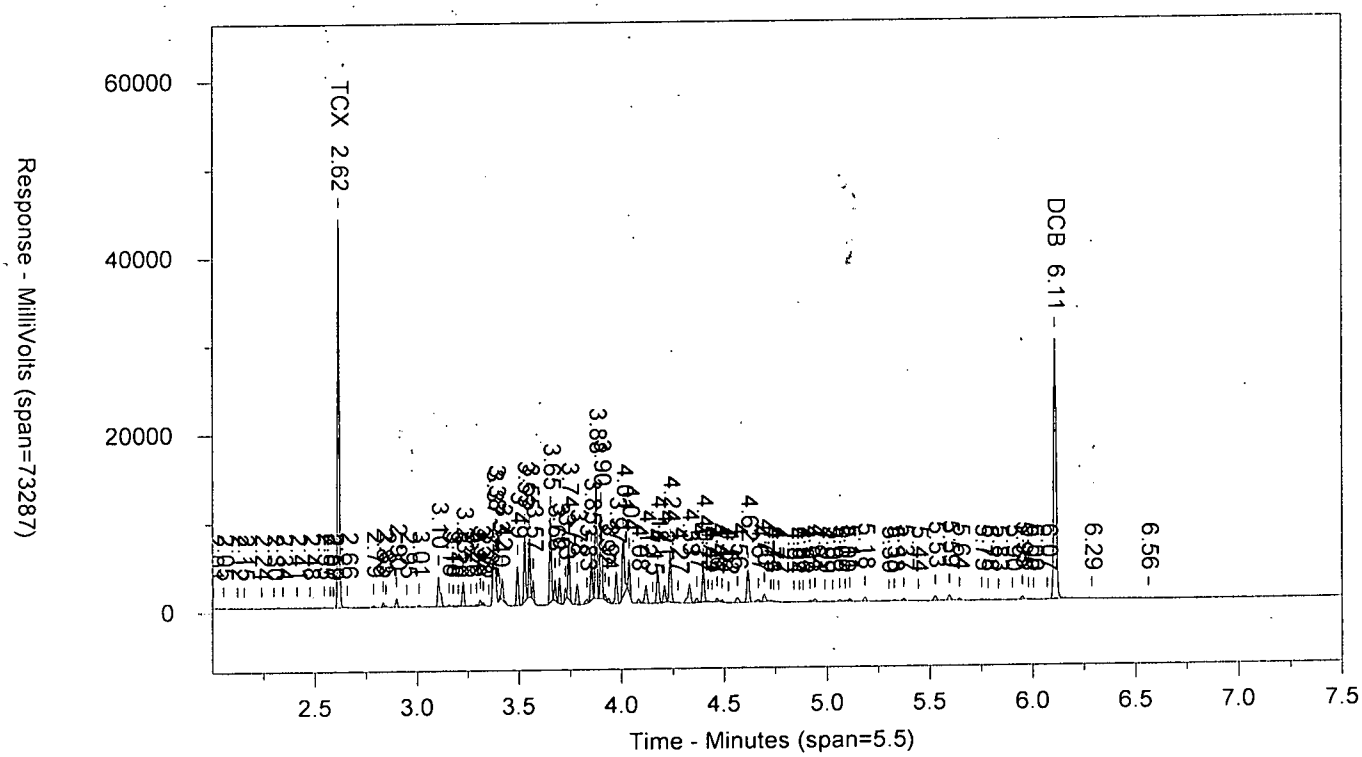

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:23:20 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.016.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.102		4593	7084
2.217		33498	23447
2.309		13290	7935
2.328		11078	6668
2.382		1720	2296
2.423		3902	3284
2.47		689	424
2.503		2044	2473
2.547		1437	711
2.564		4738	3266
2.658		1369	1191
2.718		1337	708
2.751		960	645
2.773		22149	18445
2.828		3893	4280
2.923	TCX	9509188	6382889
3.024		2770	2214
3.076		77229	66225
3.122		127603	124575
3.18		351491	252262
3.252		18493	10271
3.273		78522	51955
3.312		1711	1131
3.394		929224	583136
3.411		282470	138992
3.447		74790	44027
3.463		15591	6989
3.48		25401	13759
3.51		871828	649774
3.544		2467	1178
3.565		33886	19324
3.583		41013	24433
3.62		159962	94210
3.633		41144	19296
3.678		751000	401965
3.689		862709	421682
3.725		1075715	827649
3.783		1100756	878164
3.824		155069	110291
3.852		1921107	1394040
3.878		1379196	1041861
3.9		365044	200549
3.975		2385746	1699783
3.999		625973	398179
4.03		781565	561750
4.065		1968562	1862230
4.106		665468	507653
4.135		3097	1291
4.151		63632	46599
4.191		171392	156793
4.223		1978232	1350399
4.244		2387278	1576526
4.267		2654071	1900057
4.334		214486	206041

RT A	Compound A	Height A	Area A
4.373		2372393	1993604
4.396		692000	375125
4.411		221591	121082
4.451		34959	24086
4.475		121796	92712
4.517		622823	570173
4.569		1007498	857474
4.601		547641	404895
4.631		1726522	1469141
4.676		36870	37768
4.715		610892	548990
4.753		131809	165879
4.804		146587	134350
4.845		1061090	993486
4.874		23061	14672
4.902		7379	5694
4.925		74530	65697
4.953		78830	58000
4.97		54122	34640
5.003		16350	13508
5.045		1143176	1067163
5.088		24996	19395
5.115		69256	74854
5.161		250614	233392
5.184		11187	5031
5.2		15638	8450
5.223		36777	29163
5.266		20628	20357
5.308		2678	1954
5.371		64932	53241
5.388		13140	10404
5.446		19896	16991
5.467		1342	580
5.486		8014	6264
5.526		44167	44141
5.572		51269	44617
5.598		7411	4788
5.628		65285	48211
5.649		54034	39562
5.831		64694	70528
5.888		28123	46112
5.984		8079	7806
6.02		96222	95477
6.085		87004	76607
6.106		25508	16630
6.264		32922	33707
6.31		1858	2940
6.391		1767	2222
6.433		931	672
6.464		76919	78675
6.565		1023	913
6.608	DCB	5542819	5734791
6.892		837	813
7.063		3964	4116
7.45		2661	70223
8.545		882	716
8.68		4314	5262

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:23:20 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.016.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		1311	3102
2.054		81306	54354
2.157		6416	8440
2.185		3345	1655
2.203		11741	5347
2.241		16024	26868
2.301		29987	20834
2.365		3965	3162
2.411		12611	15149
2.478		9131	15814
2.53		8117	7715
2.547		66971	39360
2.573		8156	5086
2.591		5309	2342
2.616	TCX	56786070	33260090
2.659		134709	81776
2.787		478379	320739
2.833		584222	295727
2.847		236485	104914
2.899		1929623	1191020
2.949		139901	81298
3.01		426828	264267
3.105		6219541	5525114
3.156		449963	273490
3.178		214219	118189
3.202		187144	101921
3.226		5337686	3519511
3.264		306450	181367
3.291		225438	113958
3.309		1194423	634850
3.325		537473	249788
3.35		11796	5943
3.375		5587559	2664617
3.384		6804682	2608231
3.404		1036404	430936
3.417		5292533	3114385
3.492		8499526	5360734
3.527		14516990	8554099
3.55		13513160	7328765
3.568		4388659	2207160
3.653		18309420	11357940
3.675		5157966	2675008
3.696		5810601	3281080
3.725		2892498	1378988
3.742		13637050	7780507
3.783		4687711	3293150
3.831		953153	786418
3.853		10572020	6381212
3.875		25993180	16095300
3.9		18305070	11324790
3.919		1357384	630083
3.938		1134218	620167
3.973		6955386	4845141
4.008		12737840	9557564

RT B	Compound B	Height B	Area B
4.036		7791305	4201364
4.083		883634	670492
4.118		4169681	3070345
4.149		25797	13261
4.175		7284101	5400915
4.207		4095503	2762758
4.235		10969450	8064227
4.273		221433	211951
4.329		4344186	4118143
4.364		1077920	776805
4.396		7390967	5298636
4.42		199172	106121
4.438		86119	44711
4.463		820634	541948
4.489		565657	381321
4.563		1095988	1084044
4.615		7421871	5722627
4.664		344671	445142
4.694		1631230	1458476
4.726		125234	60063
4.741		109560	52383
4.764		133506	93699
4.824		5514	6154
4.837		19943	13282
4.864		35933	20873
4.881		60200	36238
4.915		290617	205189
4.939		547162	423613
4.989		160815	158904
5.025		62888	47280
5.06		275729	220265
5.086		220401	149677
5.109		518313	444895
5.183		578000	500356
5.301		11249	6755
5.325		250027	198374
5.371		449097	470208
5.443		60303	50355
5.525		646277	589500
5.594		732436	649246
5.643		311215	265988
5.749		222061	188358
5.781		10196	7215
5.901		8522	6219
5.949		515876	430881
5.979		10162	6933
6.001		6081	4085
6.044		1978	1919
6.072		3138	2728
6.108	DCB	38578290	33566540
6.201		8400	9032
6.235		9444	5132
6.557		29230	28882
6.726		2890	2478
6.861		2837	4876
7.247		1722	2040
7.357		1821	1610
7.441		1250	3191
7.555		1936	4045
7.628		1505	4812
8.213		15696	27337
8.321		1847	2164

AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082

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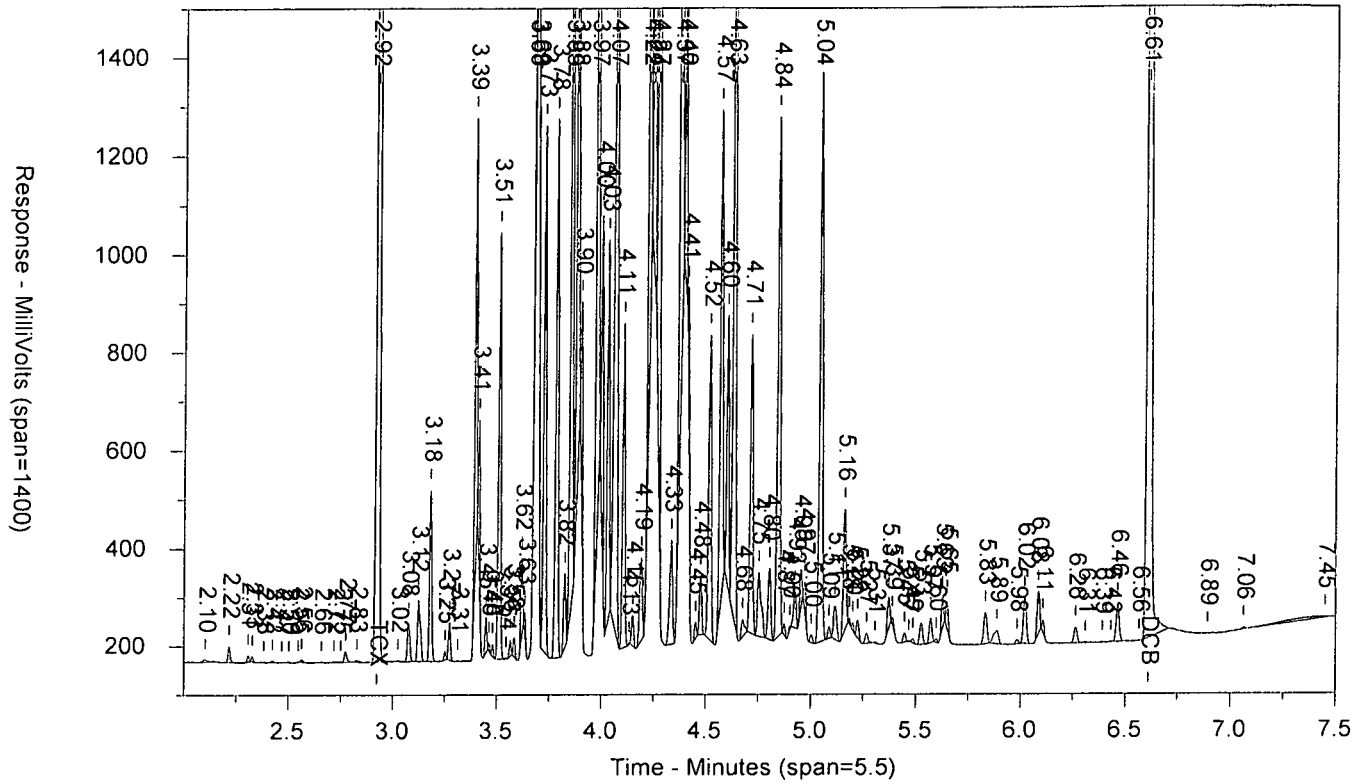

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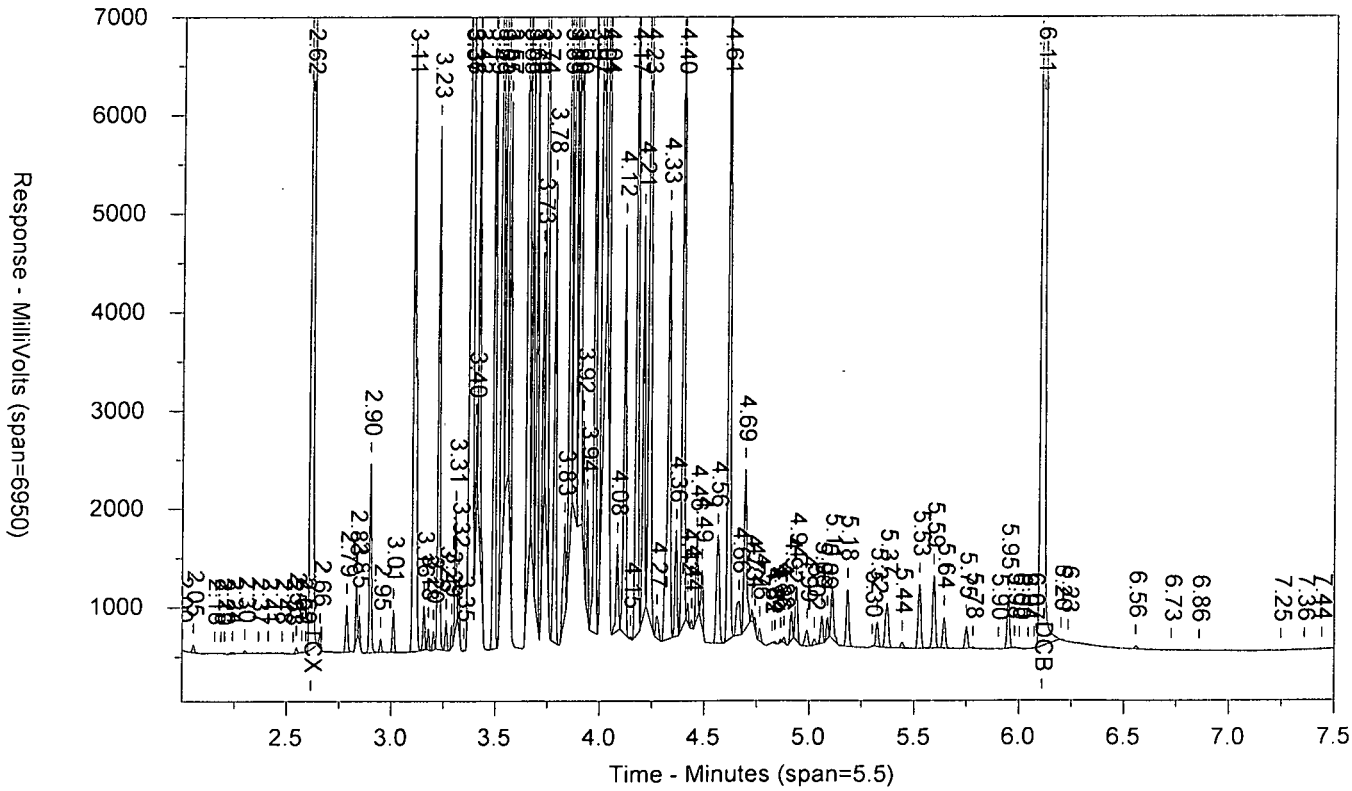

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:23:20 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	9509188	83.678	TCX	2.616	56786070	82.143	TCX
6.608	5542819	80.545	DCB	6.108	38578290	79.187	DCB

Files:
Area File: 20pcbs17137001.016.RAW
Area File: 20pcbs17137001B.016.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:32:05 PM
File Reported On: 5/17/2017 at 7:32:10 PM

AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082

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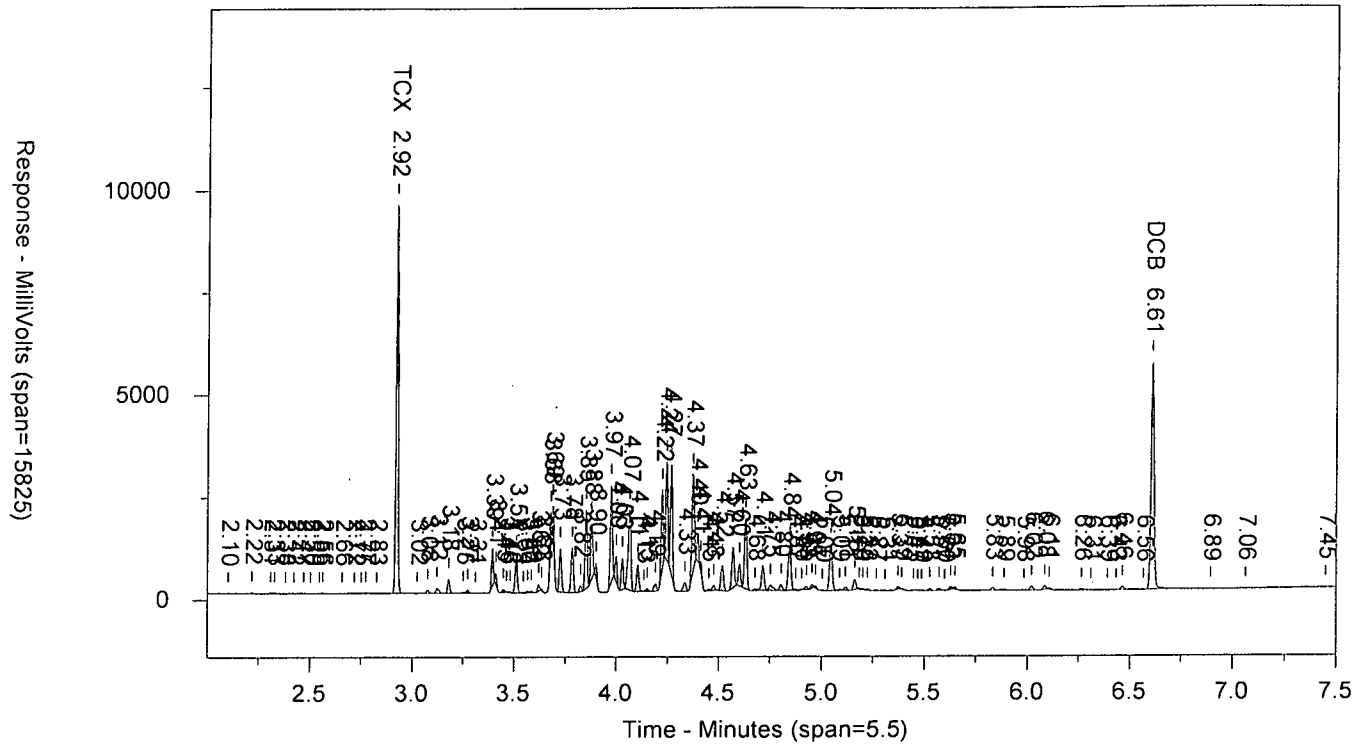

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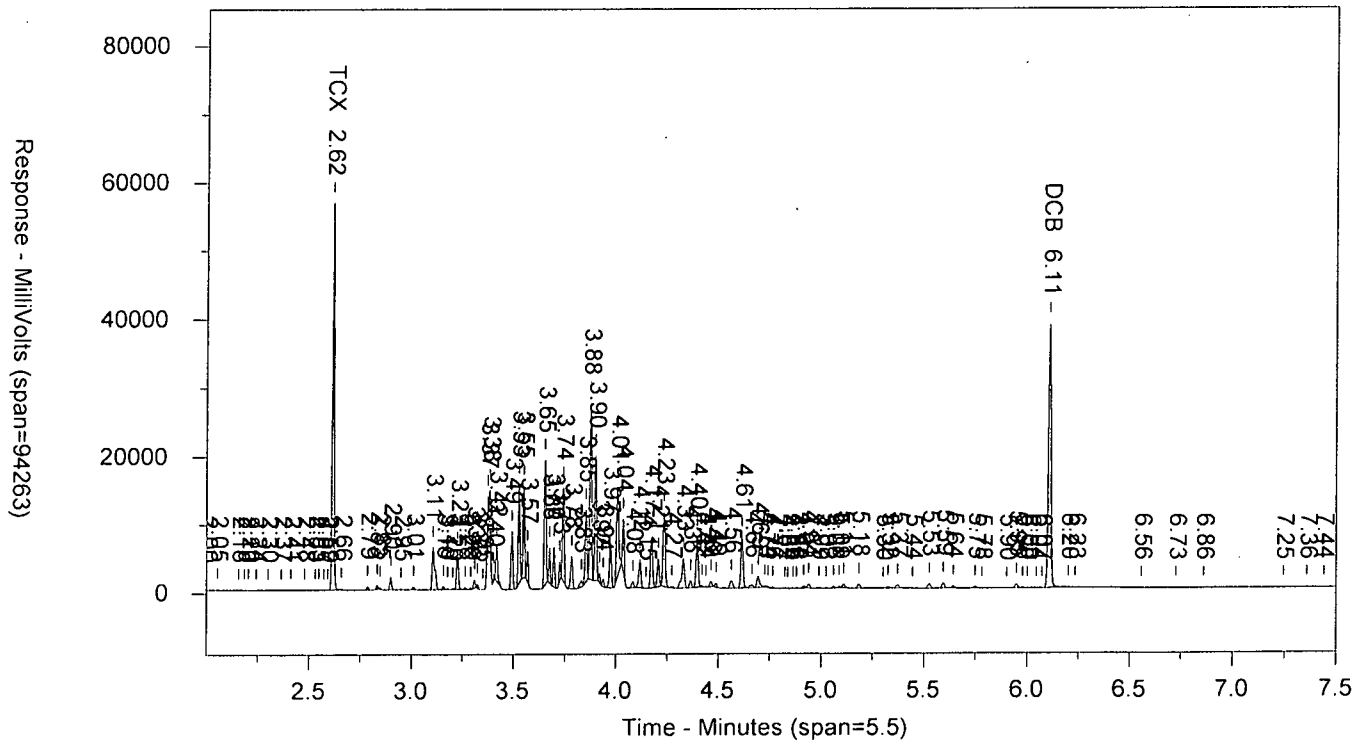

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:34:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.017.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		10886	23496
2.217		1839	2275
2.309		15168	10983
2.378		1706	1758
2.424		5314	4549
2.55		1373	1154
2.658		1286	986
2.757		533	1360
2.774		38937	33321
2.828		6648	5962
2.923	TCX	469646	311766
3.075		1227	1010
3.122		6204	4143
3.19		6507	6987
3.252		1330	786
3.396		3824	2297
3.491		685	375
3.511		2219	1218
3.529		2577	2108
3.566		1487	778
3.586		2420	1578
3.621		829	406
3.665		9075	5995
3.694		2052	1405
3.729		6452	4785
3.784		3169	2312
3.853		101973	76695
3.881		25430	21830
3.978		62328	45913
4.002		3200	1986
4.032		4867	3520
4.067		26423	22595
4.108		4264	3627
4.17		1155	842
4.189		4391	3208
4.226		158940	114965
4.247		67405	41144
4.271		45220	31764
4.296		5647	3978
4.338		46194	38299
4.381		235994	242178
4.414		91259	72443
4.454		3466	2330
4.478		15303	11960
4.52		87831	80696
4.573		157523	139594
4.604		37849	25562
4.634		302959	270518
4.679		14088	9913
4.718		44709	36534
4.755		99229	102980
4.808		21721	18169
4.848		203718	201976
4.903		21450	17065

RT A	Compound A	Height A	Area A
4.927		4028	2450
4.956		74122	58271
4.972		32787	21605
5.004		2726	2090
5.048		156682	156863
5.091		19233	14905
5.117		21115	28238
5.164		206064	191571
5.186		10316	5267
5.204		9686	5438
5.225		3747	2576
5.269		7318	6340
5.375		76146	96587
5.45		9704	10865
5.489		7278	6542
5.529		5907	5735
5.573		42882	37705
5.6		5828	3812
5.631		32547	35703
5.746		914	1181
5.838		29206	27574
5.869		4532	4436
6.021		6550	7319
6.085		6890	6038
6.265		1737	1949
6.33		1659	1647
6.466		3719	3560
6.611	DCB	300948	331957
7.492		2450	90638
7.686		1023	6247
8.681		1486	1193

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:34:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.017.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		11051	9701
2.158		7959	33791
2.24		16537	27262
2.342		2543	1523
2.369		2479	2479
2.394		1856	883
2.413		7554	8111
2.478		8297	14176
2.529		10974	8574
2.547		103940	67223
2.594		3015	1693
2.616	TCX	2782724	1654542
2.704		4200	7324
2.78		3251	1510
2.802		2939	1605
2.833		44607	42260
2.899		21245	36351
2.949		7694	4163
2.987		2181	1254
3.106		32606	57955
3.181		19295	27992
3.227		25795	15980
3.266		18605	12510
3.291		12798	6249
3.325		114422	72379
3.374		42308	42351
3.406		15568	7782
3.45		4855	2741
3.493		30588	22044
3.527		724921	437997
3.55		232682	134880
3.568		19756	8884
3.654		474916	287024
3.676		29890	15756
3.699		52306	36872
3.727		28359	13658
3.743		171074	97982
3.784		41858	31062
3.824		35334	30846
3.854		153788	90457
3.876		1675701	1080969
3.901		183766	104519
3.921		172927	93830
3.939		262163	154084
3.975		1463146	995474
4.006		600005	359533
4.024		351061	189444
4.085		114619	122824
4.119		553443	418734
4.176		1088486	797125
4.209		297917	215536
4.237		1979718	1452344
4.275		151100	145553
4.329		951254	812833

RT B	Compound B	Height B	Area B
4.365		147888	110793
4.398		1311884	939813
4.422		210695	136165
4.465		810169	608019
4.489		37857	21509
4.52		4432	3895
4.564		679529	710309
4.617		881164	713966
4.657		231784	199797
4.696		1442526	1380726
4.743		104444	66355
4.767		47607	34847
4.826		20322	28949
4.882		72139	62657
4.917		72457	48849
4.941		418958	346889
4.991		56911	48135
5.027		47816	37263
5.06		33071	29289
5.089		214360	157330
5.111		161947	142157
5.154		5108	2463
5.185		38202	35925
5.328		6821	4710
5.369		179296	178462
5.527		44754	37792
5.573		8648	6620
5.595		44501	34303
5.644		22235	22750
5.75		8667	7817
5.843		1981	2556
5.949		24816	21237
6.109	DCB	2060654	1950215
6.558		2676	8697
6.709		1667	3110
6.812		2605	7334
7.322		1629	3758
7.444		1624	4424
7.559		2243	6175
8.169		1973	781
8.214		16748	32679
8.425		1358	2261
8.598		1572	1487

AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082

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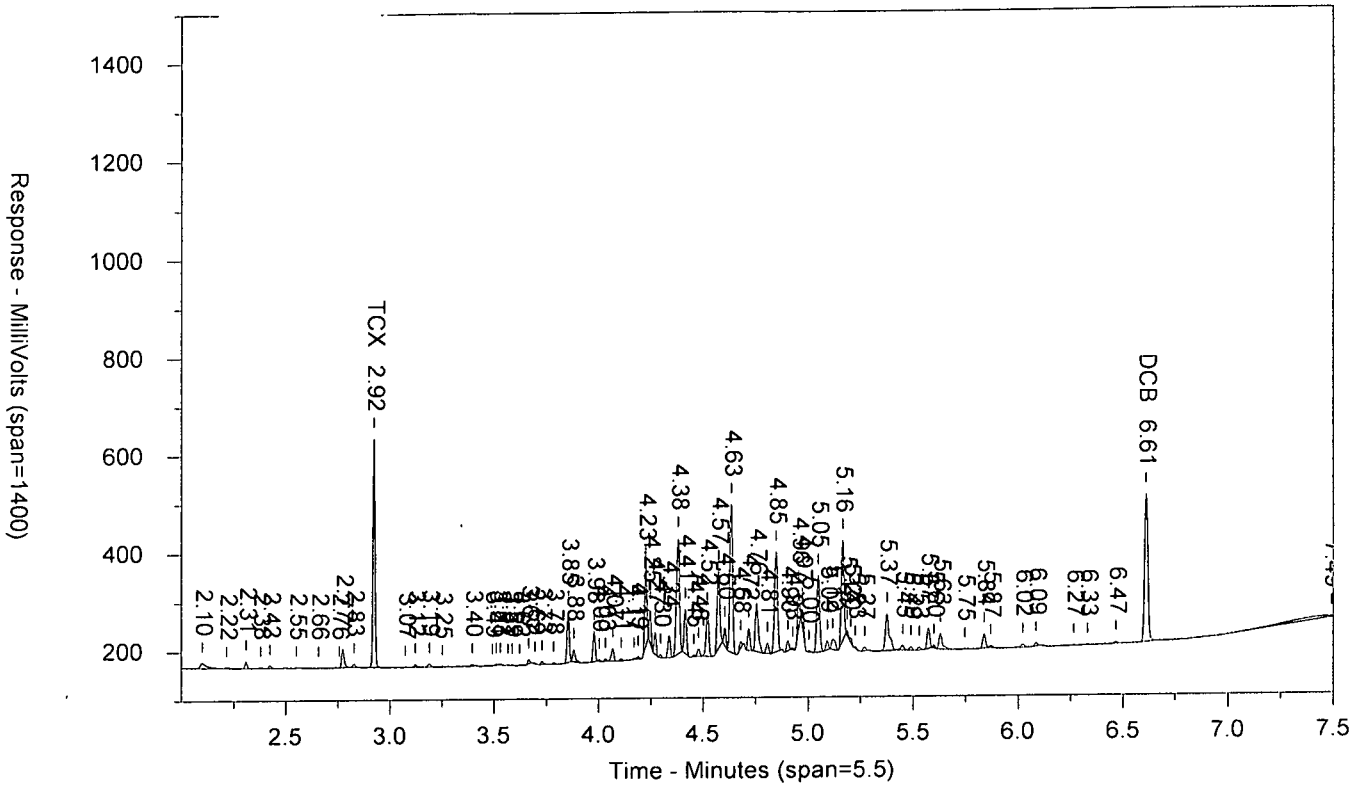

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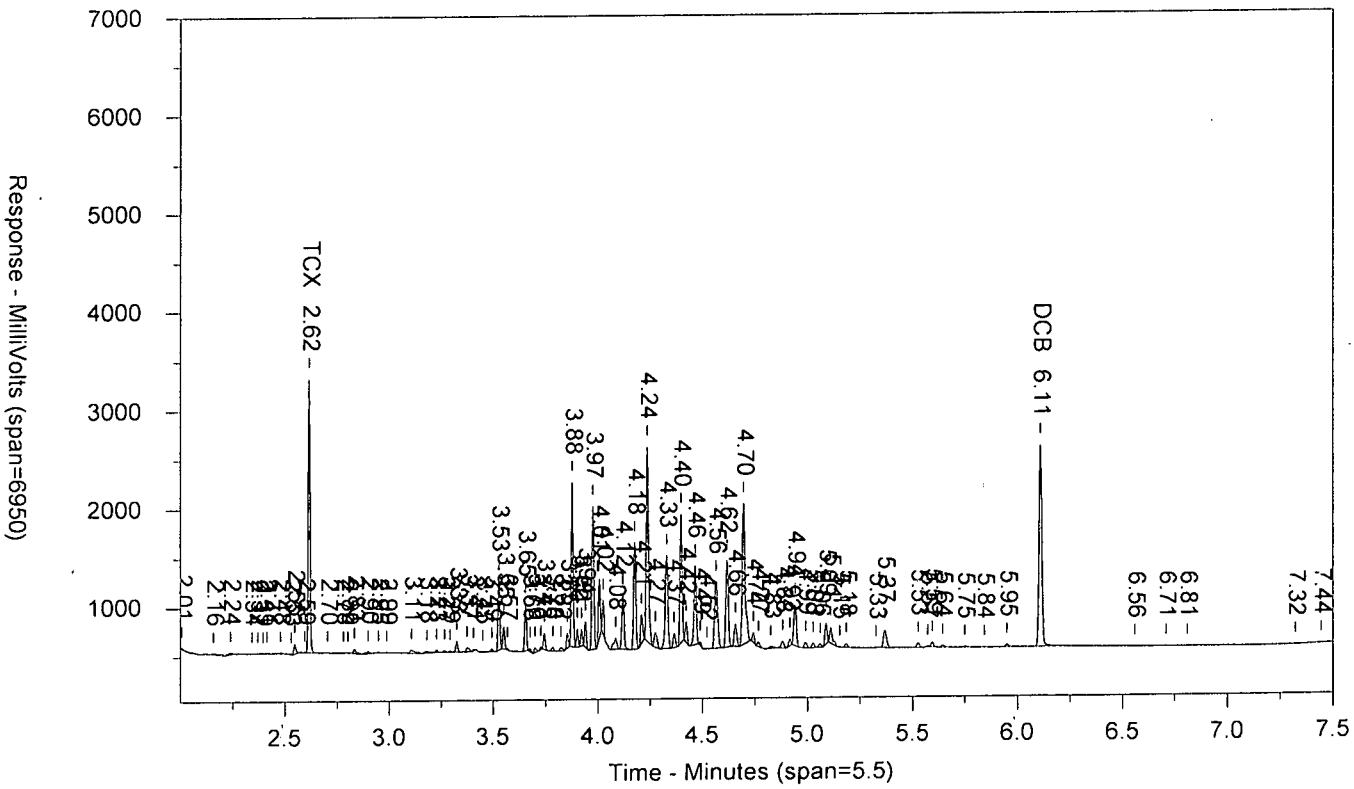

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:34:47 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	469646	4.133	TCX	2.616	2782724	4.025	TCX
6.611	300948	4.373	DCB	6.109	2060654	4.23	DCB

Files:
Area File: 20pcbs17137001.017.RAW
Area File: 20pcbs17137001B.017.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:43:31 PM
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AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082

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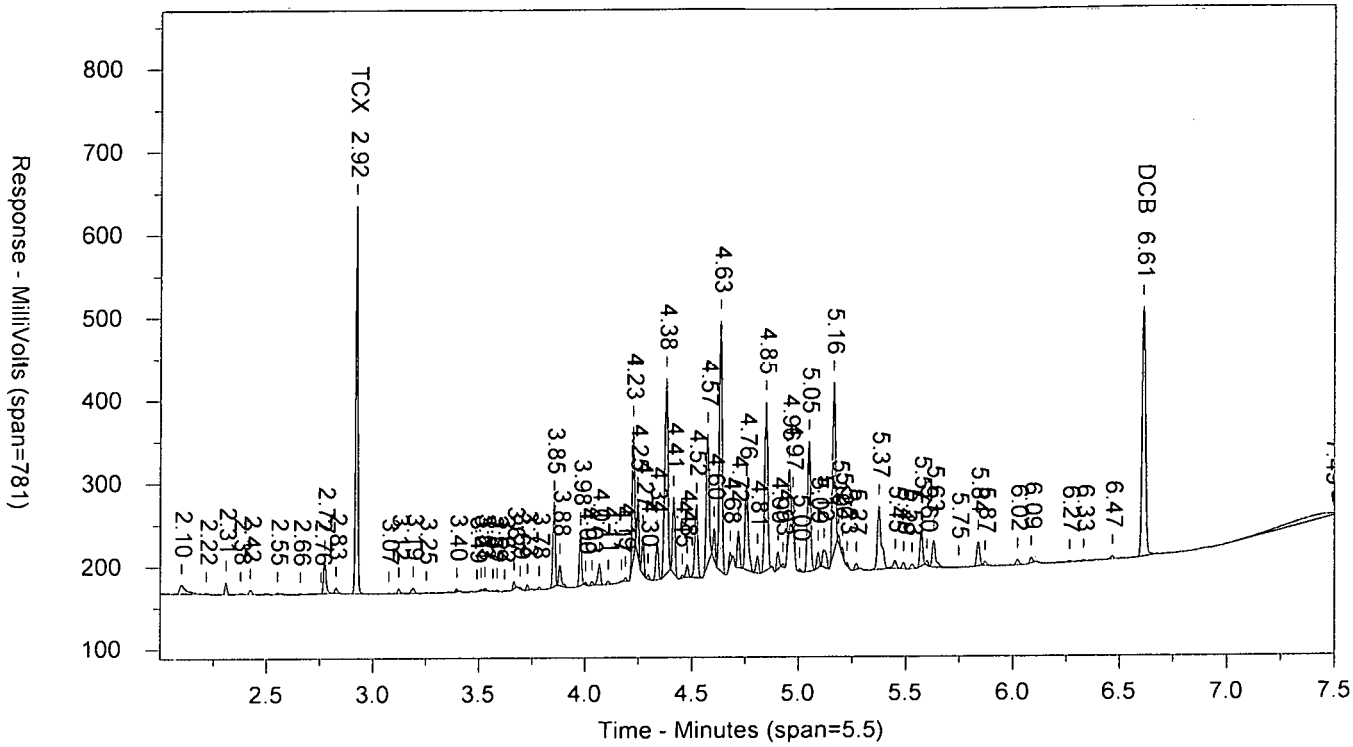

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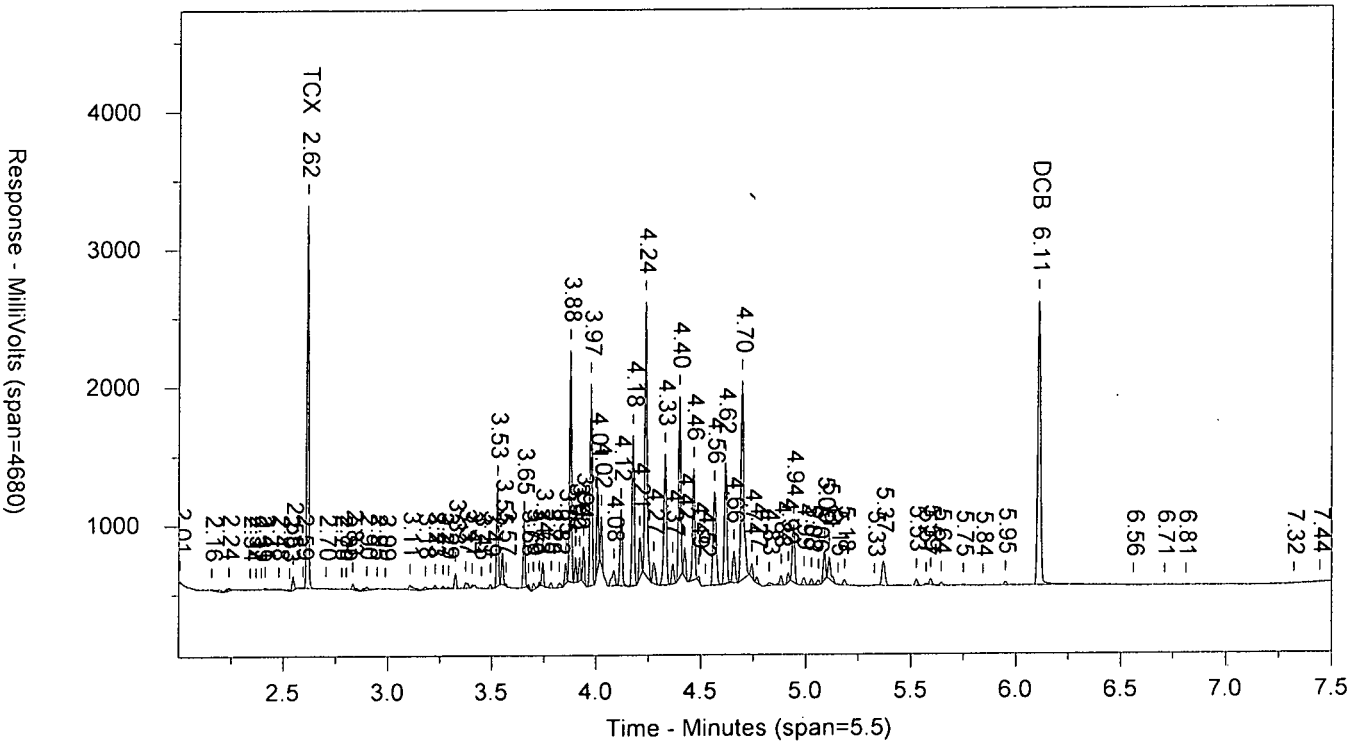

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:46:17 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.018.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.102		11112	25765
2.218		3350	2993
2.309		9561	6232
2.377		1860	2464
2.426		2689	2812
2.548		1212	827
2.659		1355	945
2.752		867	488
2.774		35670	30486
2.828		2713	2173
2.923	TCX	891329	601538
3.075		1405	1364
3.123		12066	8068
3.182		4812	5652
3.253		2308	1641
3.279		666	555
3.396		7291	4389
3.464		2246	1989
3.511		5348	3185
3.568		3020	1752
3.586		4425	2923
3.622		1407	790
3.666		2914	1558
3.68		3500	1436
3.693		3350	2710
3.729		14953	11385
3.786		6559	5038
3.829		786	578
3.854		177239	136127
3.881		48073	36700
3.977		114931	85800
4.002		5780	3448
4.032		10695	7611
4.068		48793	44942
4.109		9757	7113
4.154		1233	686
4.189		9325	7105
4.226		305110	215431
4.247		119948	73361
4.271		88553	62670
4.295		4564	2919
4.337		85331	72241
4.38		437157	449308
4.414		160247	132898
4.455		6213	3897
4.477		27929	22309
4.52		161983	145212
4.571		284736	262849
4.603		65605	46242
4.633		596274	511434
4.679		25515	18123
4.693		12073	6130
4.717		86514	69494
4.755		183692	189658

RT A	Compound A	Height A	Area A
4.806		38620	33410
4.847		393671	377914
4.876		7433	4380
4.902		39480	31786
4.927		7567	4426
4.955		138336	109214
4.973		62105	42065
5.004		5058	3879
5.047		309698	296067
5.091		33655	27831
5.117		38393	52977
5.164		398325	362995
5.187		21954	10024
5.203		12622	7182
5.226		9659	6325
5.27		13485	11790
5.375		134935	179364
5.425		1129	658
5.449		17192	15144
5.489		14747	13057
5.53		7813	7721
5.574		80910	71420
5.599		11267	7482
5.63		58906	65845
5.838		53986	50332
5.87		8686	8478
6.022		11916	12433
6.087		13198	11732
6.108		2524	1797
6.268		3061	3060
6.466		7960	8219
6.569		745	986
6.612	DCB	587785	621306
7.088		215	1623
7.493		952	23244
8.679		3512	4569

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:46:17 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.018.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		12116	12913
2.054		8180	6439
2.158		3395	2519
2.239		14669	23303
2.412		7992	10618
2.477		10994	23670
2.526		12108	10738
2.547		101788	67198
2.593		2675	1017
2.615	TCX	5567068	3241038
2.784		5688	5136
2.833		77579	56987
2.898		29120	28637
2.947		14413	9940
3.105		51051	50570
3.179		20012	15460
3.202		3483	2286
3.227		40512	27225
3.264		38621	23386
3.291		25244	13458
3.309		7429	3151
3.325		50680	28384
3.375		37583	17957
3.384		24496	8510
3.405		21054	9334
3.418		61421	40391
3.493		58067	38231
3.527		1299688	802293
3.55		438729	250624
3.568		42825	18177
3.654		839305	527746
3.677		67649	34791
3.698		95811	63892
3.727		75889	35310
3.743		314516	180572
3.784		82268	60620
3.824		63769	58191
3.854		286946	167274
3.875		3060571	2017712
3.901		343580	191538
3.921		312575	174805
3.939		528732	312912
3.975		2766149	1833023
4.006		1089804	660616
4.024		674857	350396
4.084		217971	191080
4.119		1032545	776043
4.176		2131657	1547957
4.209		612041	428659
4.236		3737878	2753842
4.274		275118	270887
4.329		1769741	1512920
4.365		276176	206902
4.397		2470128	1767883

RT B	Compound B	Height B	Area B
4.422		397437	253696
4.464		1458073	1126610
4.489		76822	43252
4.564		1335614	1311140
4.617		1682300	1372686
4.656		433120	377695
4.696		2736833	2628196
4.743		197995	126960
4.766		89485	60475
4.825		33425	43669
4.883		140261	124559
4.917		137896	93933
4.941		821670	652008
4.991		110239	93565
5.027		92159	70720
5.059		63560	54915
5.089		429225	308304
5.111		305888	266800
5.153		8529	4901
5.185		70793	65284
5.327		14478	11682
5.368		352730	346447
5.474		2331	2087
5.526		81445	70603
5.572		14170	9979
5.594		85439	69178
5.643		39616	35094
5.75		17959	14265
5.949		49274	42792
6.109	DCB	3897569	3649784
6.556		2822	2355
6.817		2197	3204
7.39		1698	1880
7.629		2024	34134
8.217		15004	26375

AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082

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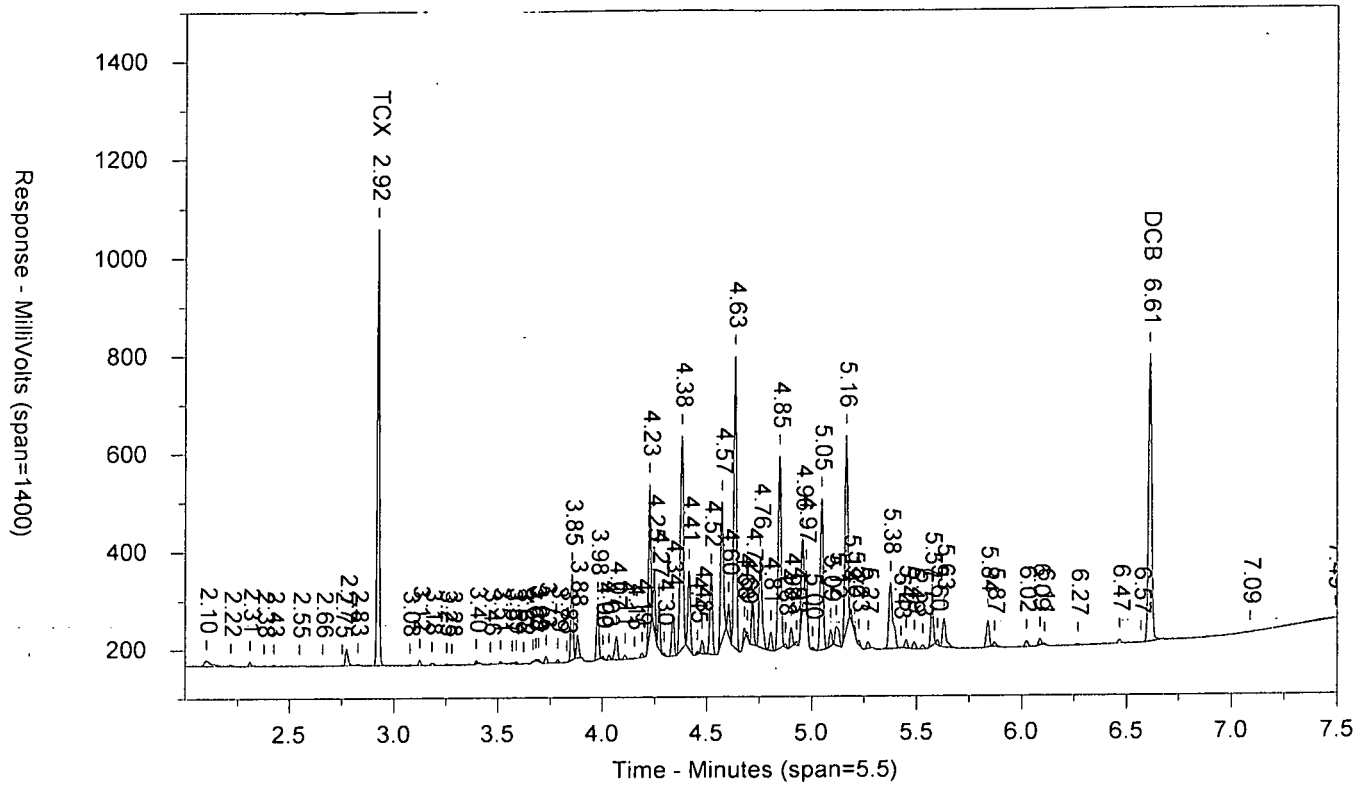

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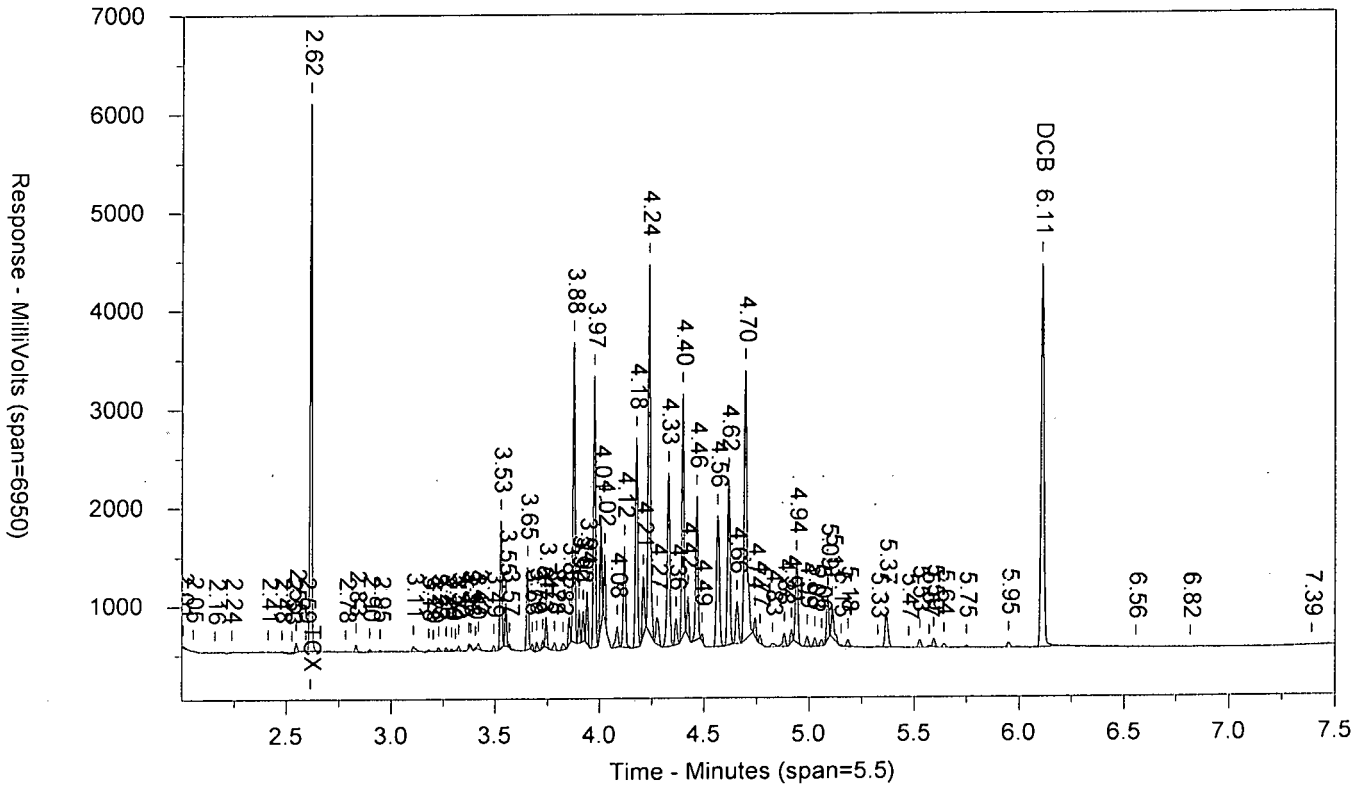

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:46:17 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	891329	7.843	TCX	2.615	5567068	8.053	TCX
6.612	587785	8.541	DCB	6.109	3897569	8	DCB

Files:
Area File: 20pcbs17137001.018.RAW
Area File: 20pcbs17137001B.018.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:55:01 PM
File Reported On: 5/17/2017 at 7:55:11 PM

AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082

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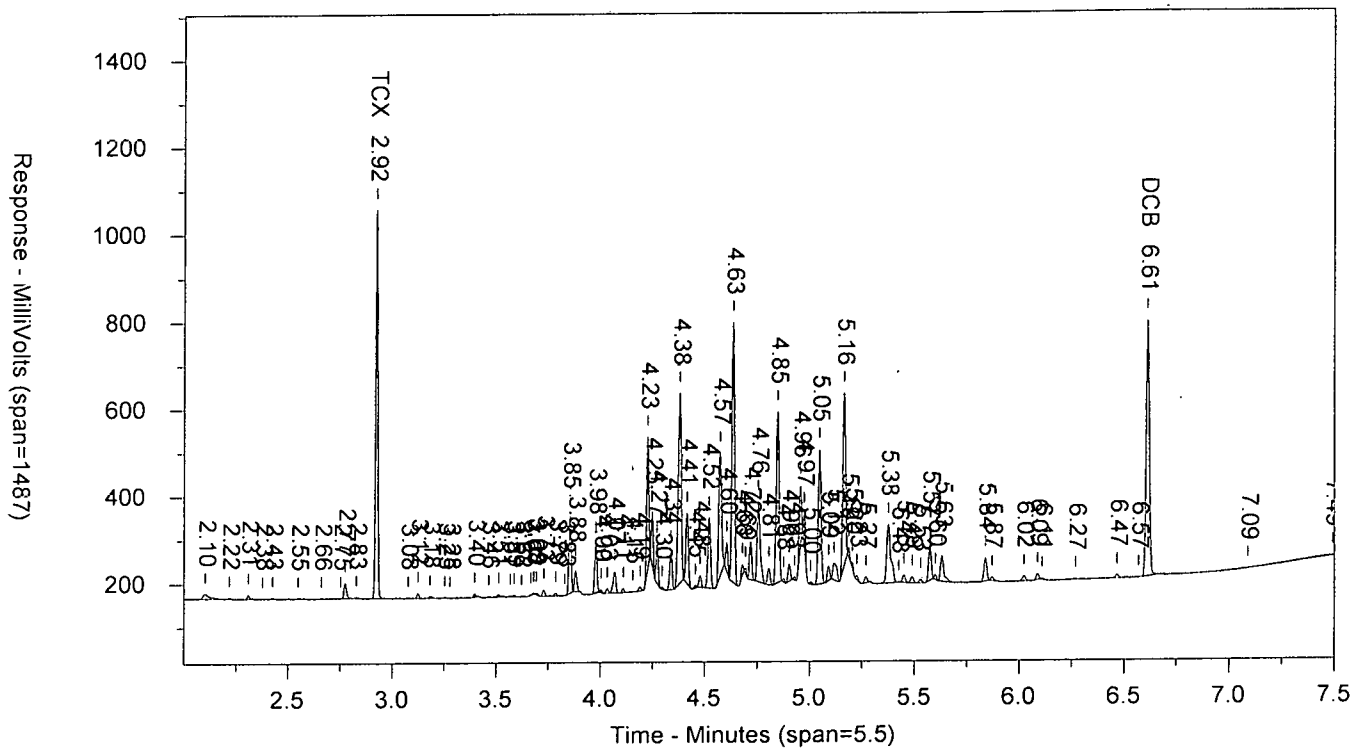

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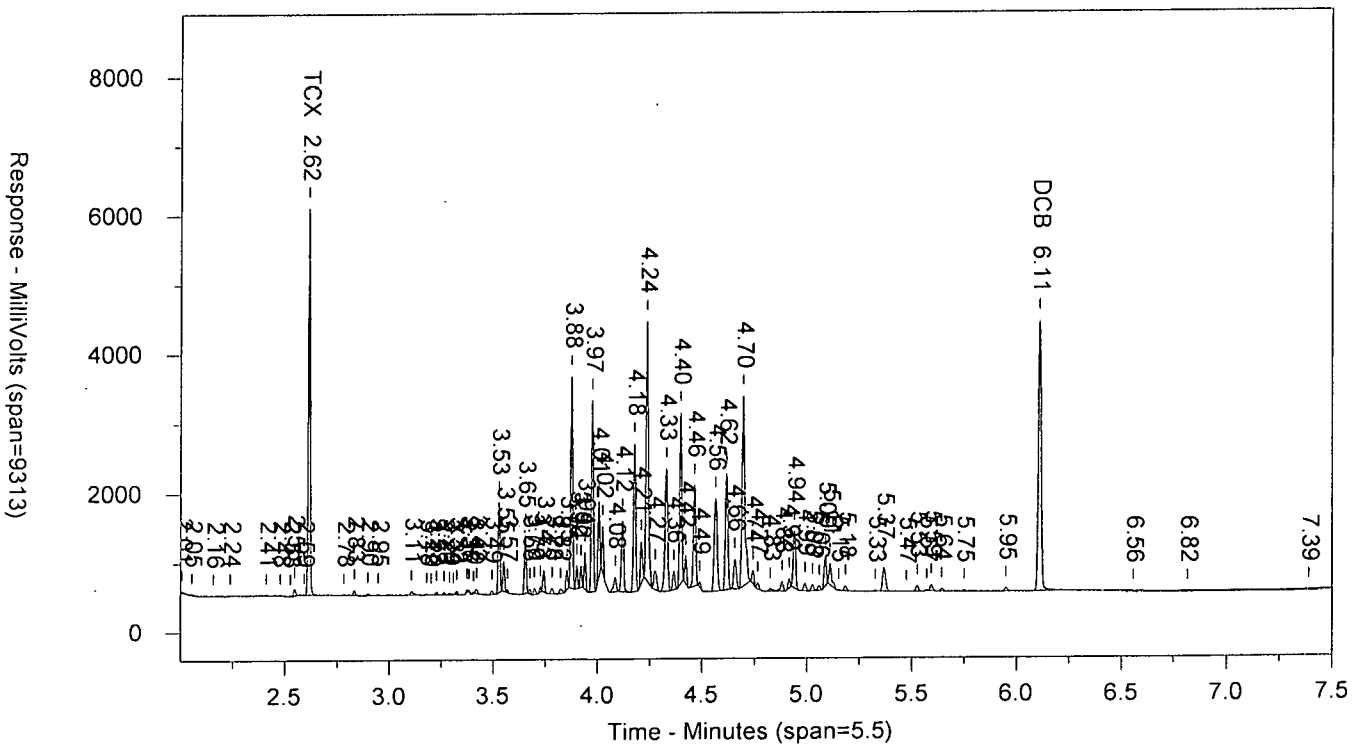

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:57:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.019.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		9388	20820
2.217		8192	6119
2.31		7625	4672
2.328		2519	1391
2.38		1444	1721
2.425		4543	3663
2.553		954	785
2.657		814	736
2.774		33907	28830
2.829		5127	4949
2.923	TCX	2258999	1493522
3.076		3773	3108
3.123		30402	20475
3.182		10558	11271
3.253		4743	2997
3.274		1174	853
3.396		18511	11338
3.412		5152	2727
3.466		5330	4320
3.511		14051	8892
3.567		7172	4185
3.586		12180	7435
3.622		3592	3901
3.665		5377	3097
3.68		9798	4633
3.692		7572	6291
3.728		39894	29891
3.785		15534	11868
3.827		2068	1236
3.853		403825	303006
3.88		107850	102706
3.977		251740	195006
4.001		14867	8614
4.032		29031	19947
4.067		112588	108598
4.108		23024	18201
4.136		1516	800
4.153		3385	1927
4.188		20543	16043
4.226		689965	484735
4.245		257739	157798
4.27		193606	141623
4.336		186165	162483
4.379		1081605	1045801
4.413		368483	296832
4.454		14578	9915
4.477		67310	52455
4.519		368559	330063
4.571		686384	615938
4.602		163372	107682
4.633		1443245	1224492
4.678		66421	45984
4.692		21243	11647
4.717		192259	154675

RT A	Compound A	Height A	Area A
4.754		415415	428331
4.805		86550	77498
4.846		944204	876808
4.874		18399	10707
4.902		87581	73724
4.927		18121	10134
4.955		320144	245945
4.971		143512	92967
5.003		11624	8807
5.047		758464	713914
5.09		79498	62798
5.116		85290	117608
5.163		963852	862568
5.185		40418	18958
5.203		30100	15230
5.225		26715	17388
5.269		31874	27351
5.373		308306	414114
5.423		2213	1063
5.448		37759	35537
5.488		33871	31551
5.528		17126	16936
5.573		176130	165158
5.6		25078	17246
5.629		130868	147206
5.837		119583	114542
5.868		20902	20201
6.021		26852	27439
6.086		29187	24992
6.107		6115	3941
6.265		7501	6945
6.392		841	968
6.465		17103	17663
6.61	DCB	1367514	1472703
7.072		1279	1973
7.56		2174	54731

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:57:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.019.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		11427	9609
2.053		19393	13196
2.155		3889	4965
2.241		19262	46173
2.343		1440	1184
2.412		4838	5719
2.479		6303	8853
2.547		94106	60037
2.616	TCX	13421420	8024805
2.785		21125	16783
2.833		186732	125794
2.899		69097	62995
2.949		34270	20273
2.988		1602	772
3.009		7665	5453
3.105		132505	135826
3.178		45690	30910
3.203		6324	3125
3.227		103610	68693
3.264		103281	61555
3.291		61909	32641
3.31		15782	7273
3.325		106947	60384
3.375		86084	40980
3.384		57539	20739
3.405		43588	21003
3.418		154982	105859
3.493		137473	89986
3.527		2966112	1796834
3.55		993798	572108
3.568		94678	40923
3.585		15235	8493
3.654		1919756	1190084
3.676		139493	72852
3.698		223836	146137
3.727		179267	87678
3.743		679391	393631
3.783		196197	146860
3.823		155022	139443
3.853		672848	381230
3.876		7227687	4681049
3.901		779342	429874
3.92		674814	372617
3.939		1065973	645094
3.974		6229853	4246805
4.006		2436783	1483152
4.023		1396710	761003
4.084		475479	376566
4.119		2398734	1759294
4.175		4960347	3659814
4.208		1314596	951831
4.236		8864505	6479641
4.274		645643	620405
4.328		4172151	3508653

RT B	Compound B	Height B	Area B
4.364		622376	474781
4.397		6007735	4223100
4.421		877964	554629
4.464		3438030	2598735
4.489		162056	91649
4.564		3085415	3038204
4.616		4310358	3361586
4.656		982643	856896
4.695		6390798	6255188
4.742		436378	291990
4.766		203137	139291
4.825		78130	90498
4.882		322055	292180
4.916		328827	218039
4.94		1953657	1521397
4.991		261448	213386
5.026		207625	168724
5.059		156464	131042
5.088		966074	706509
5.11		592918	409019
5.128		78104	41283
5.151		16569	9776
5.183		154421	132022
5.303		2353	1444
5.326		35164	27523
5.368		801310	818176
5.469		3535	3917
5.526		176865	151508
5.571		32941	22904
5.595		173931	143419
5.643		86990	75091
5.75		43449	41959
5.902		2738	2335
5.949		116377	98149
6.108	DCB	9480798	8756876
6.557		8171	7307
7.256		1113	1231
7.391		1647	885
7.434		2173	2437
7.497		1880	3738
7.618		1794	12092
8.215		16618	30952

AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082

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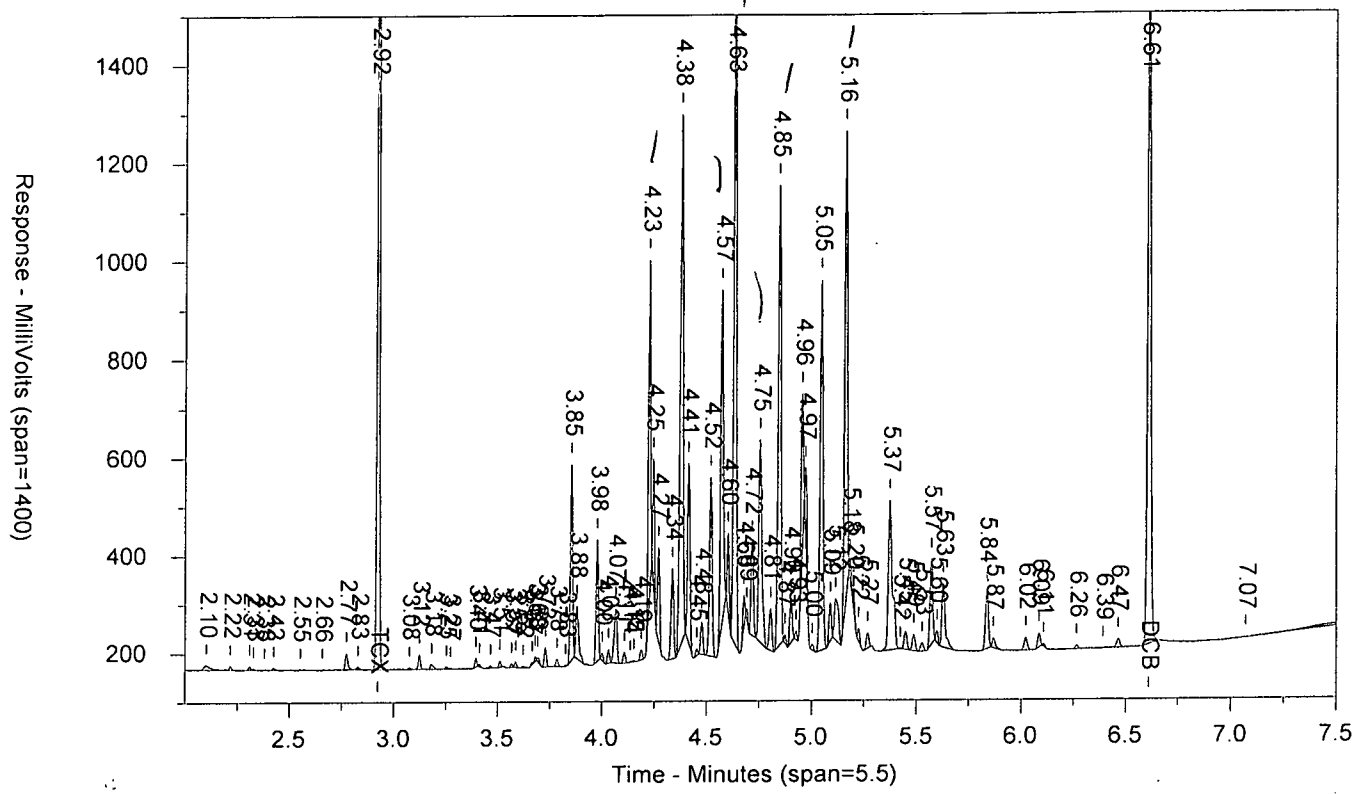

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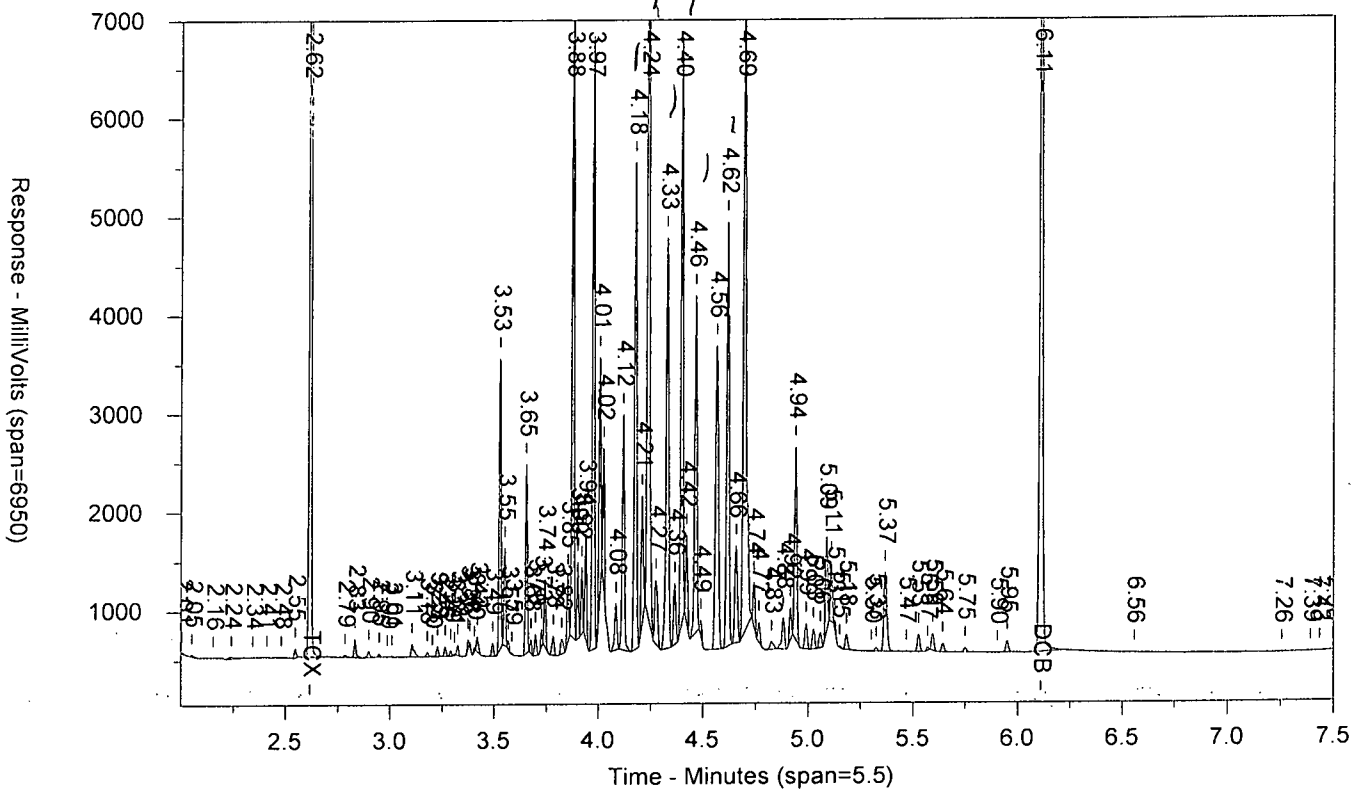

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:57:49 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	2258999	19.878	TCX	2.616	13421420	19.415	TCX
6.61	1367514	19.872	DCB	6.108	9480798	19.461	DCB

Files:
Area File: 20pcbs17137001.019.RAW
Area File: 20pcbs17137001B.019.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:06:32 PM
File Reported On: 5/17/2017 at 8:06:43 PM

AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082

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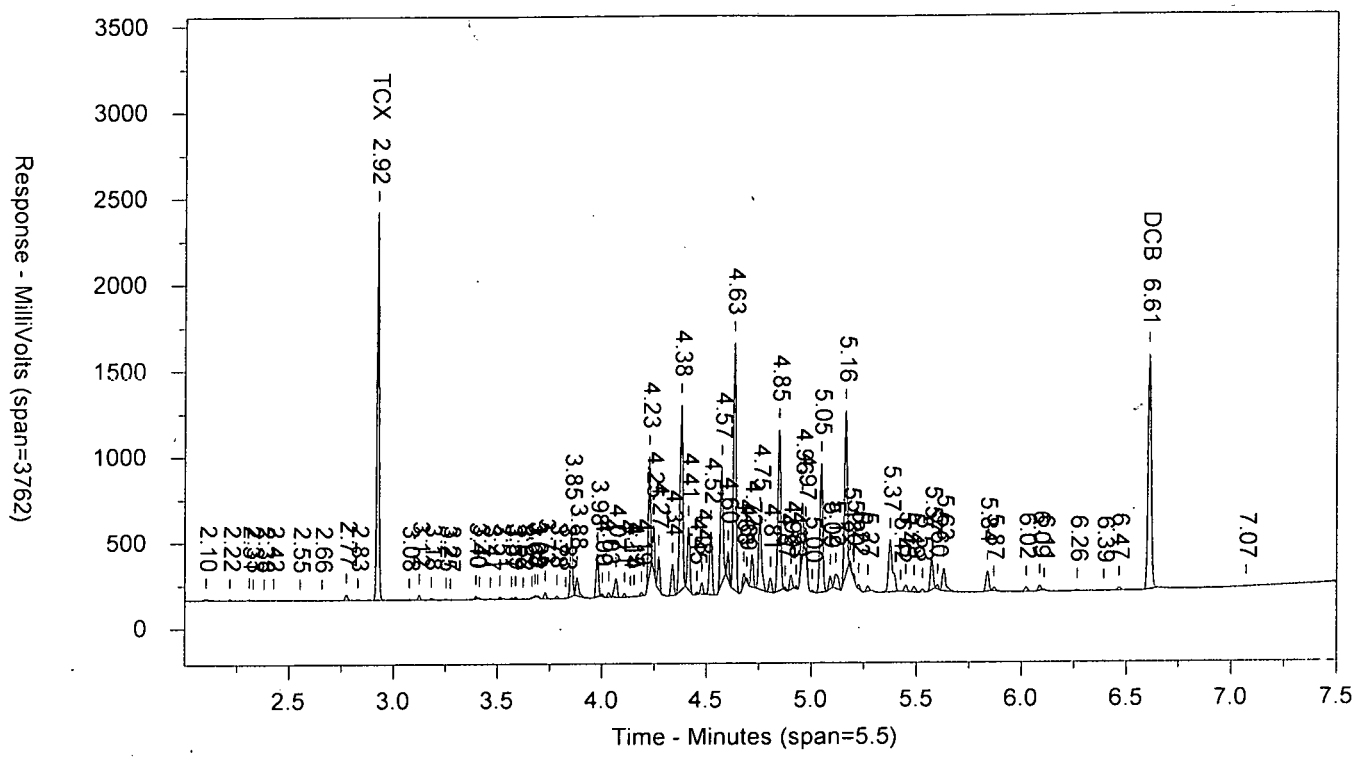

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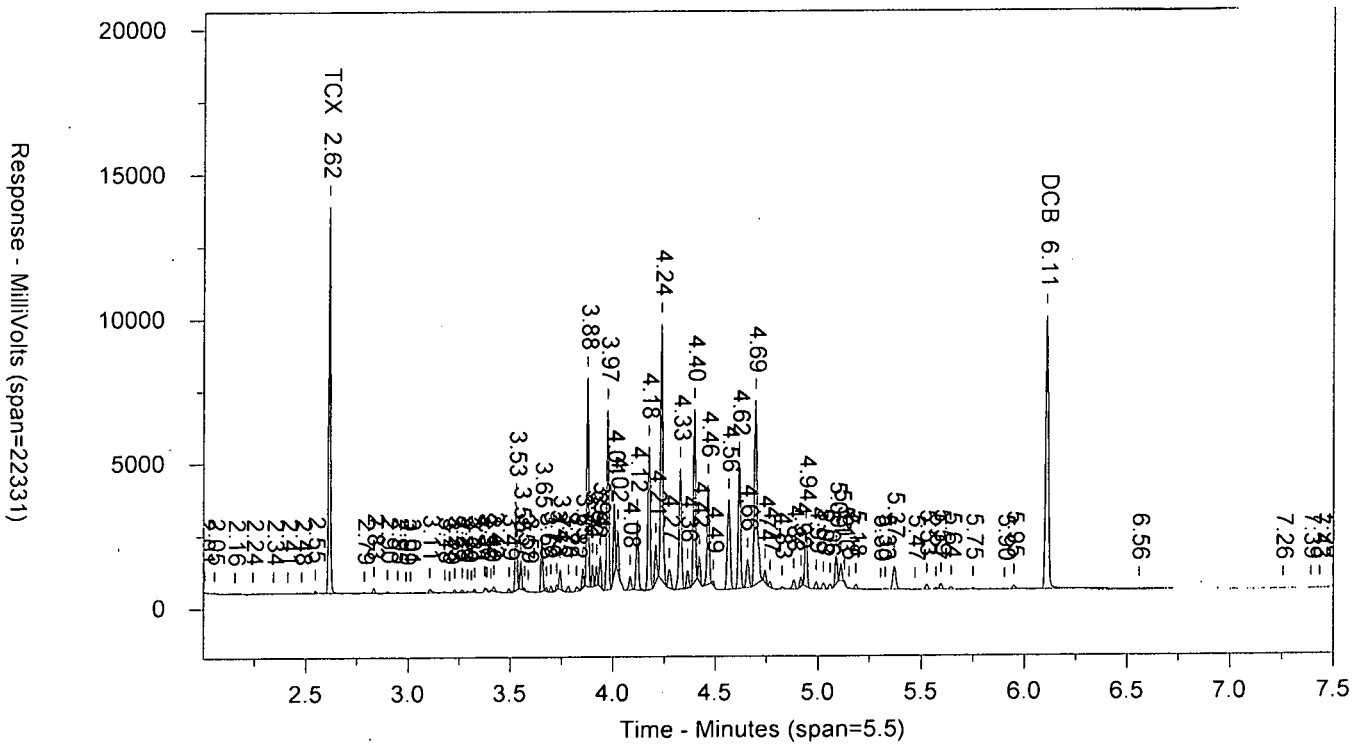

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:09:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.020.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		10893	16261
2.217		15840	11775
2.309		11511	7045
2.328		5012	3087
2.378		1789	2240
2.423		4888	4279
2.502		1194	1303
2.549		2173	3808
2.66		1269	1822
2.752		1047	600
2.774		35976	30861
2.827		5516	5479
2.923	TCX	4622428	3049151
3.025		1325	637
3.075		6334	5719
3.123		62370	42428
3.181		20468	18131
3.253		9854	6243
3.274		2297	1357
3.395		35703	21314
3.412		9815	4951
3.465		9244	8474
3.511		29492	22808
3.566		15376	8875
3.585		20632	12582
3.622		4838	3183
3.679		23634	11955
3.692		15500	12369
3.728		70887	52340
3.785		30824	24948
3.826		4015	2436
3.852		753146	575967
3.879		198787	186266
3.977		505557	376647
4.001		28866	16947
4.031		52800	38079
4.066		209308	203563
4.106		44927	35681
4.135		3439	1897
4.153		6449	3948
4.188		39069	31310
4.225		1397875	986296
4.246		569564	347253
4.271		376252	278619
4.337		361600	315906
4.378		2073246	2088930
4.414		711435	586208
4.453		28228	18666
4.476		123671	98671
4.519		714338	637132
4.571		1454115	1280410
4.603		344634	222613
4.632		2930175	2488037
4.678		108468	78910

RT A	Compound A	Height A	Area A
4.691		39815	22729
4.716		399436	311468
4.754		849024	843684
4.806		163154	148453
4.847		1875048	1751059
4.875		32686	19003
4.902		165383	138162
4.927		32811	19296
4.954		669621	494398
4.97		291032	187266
5.003		22691	17129
5.047		1628295	1483882
5.09		153726	123954
5.117		173931	227162
5.163		2001599	1758912
5.185		88249	43036
5.202		53422	30192
5.225		44145	27903
5.267		61691	52151
5.288		8136	4461
5.373		610917	814479
5.424		4562	2310
5.448		76463	65490
5.487		65425	60634
5.527		34276	32445
5.572		367441	331086
5.598		49650	33711
5.629		261449	289654
5.838		223253	216316
5.868		37268	38354
6.022		52656	55746
6.086		58070	51787
6.108		12812	8410
6.265		13430	13456
6.327		987	868
6.389		1119	968
6.465		36608	36283
6.611	DCB	2754543	2912875
7.067		2607	3133
7.535		1069	13886
7.755		865	2143
8.047		1008	3167
8.683		5068	6634

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:09:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.020.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		17620	17377
2.054		38456	27392
2.155		4019	4695
2.188		9191	14934
2.24		17793	31823
2.299		1977	1315
2.344		1496	1230
2.411		8677	12040
2.478		5551	3978
2.528		12423	10743
2.547		100387	66202
2.575		3152	1620
2.616	TCX	27652480	16267940
2.703		4716	6392
2.787		36548	30574
2.833		356088	230133
2.9		121313	92024
2.949		68635	39434
3.01		15470	11912
3.106		237056	232272
3.158		5166	2089
3.179		67823	44406
3.203		10305	5678
3.228		186176	124481
3.264		164187	96469
3.291		116500	64133
3.31		38852	17929
3.325		65798	35579
3.375		161585	75093
3.385		107011	42685
3.405		101611	43389
3.419		258195	193988
3.493		256194	164512
3.527		5679534	3483755
3.55		1884138	1042507
3.568		182580	79710
3.586		21876	11237
3.654		3898764	2298147
3.676		253902	133868
3.698		390506	263773
3.727		262551	136846
3.743		1321371	780818
3.783		368159	270181
3.824		286717	257782
3.854		1275704	739915
3.876		14644700	9312075
3.901		1548542	851086
3.92		1320641	716244
3.939		2014626	1191342
3.974		13163310	8426518
4.006		4826652	2957029
4.024		2817747	1470969
4.085		919092	684965
4.119		4750180	3462626

RT B	Compound B	Height B	Area B
4.175		10312280	7450167
4.208		2749393	1877903
4.236		18488900	13253560
4.274		1271830	1205357
4.328		8373806	6993500
4.365		1243214	941356
4.397		12655280	8709486
4.421		1713117	1089020
4.464		6931070	5208720
4.489		367058	206310
4.525		3811	3352
4.564		6625378	6093458
4.616		9172670	6996697
4.656		1990523	1700257
4.695		13649340	12767360
4.742		949018	593039
4.765		400240	271787
4.825		159714	185745
4.865		23669	13859
4.882		599034	444047
4.917		610418	413692
4.941		3814174	3079520
4.991		484338	420813
5.026		399824	328461
5.058		306344	259388
5.088		1996266	1446288
5.11		1188487	781885
5.127		155889	78469
5.15		35681	20556
5.184		327861	277829
5.247		6090	5253
5.301		4486	2332
5.326		68338	53436
5.368		1631807	1603161
5.47		6045	6191
5.526		367067	315814
5.57		68840	46475
5.594		378041	314940
5.643		179295	155558
5.75		84635	70893
5.783		5055	5823
5.903		3988	2791
5.949		230784	197382
5.982		5006	3121
6.067		2417	1919
6.108	DCB	20216660	17008200
6.285		5535	8037
6.556		12835	12265
7.327		1831	3407
7.563		1405	4021
7.613		2595	4529
7.701		1029	3163
8.216		15737	28067
8.442		1225	724

AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082

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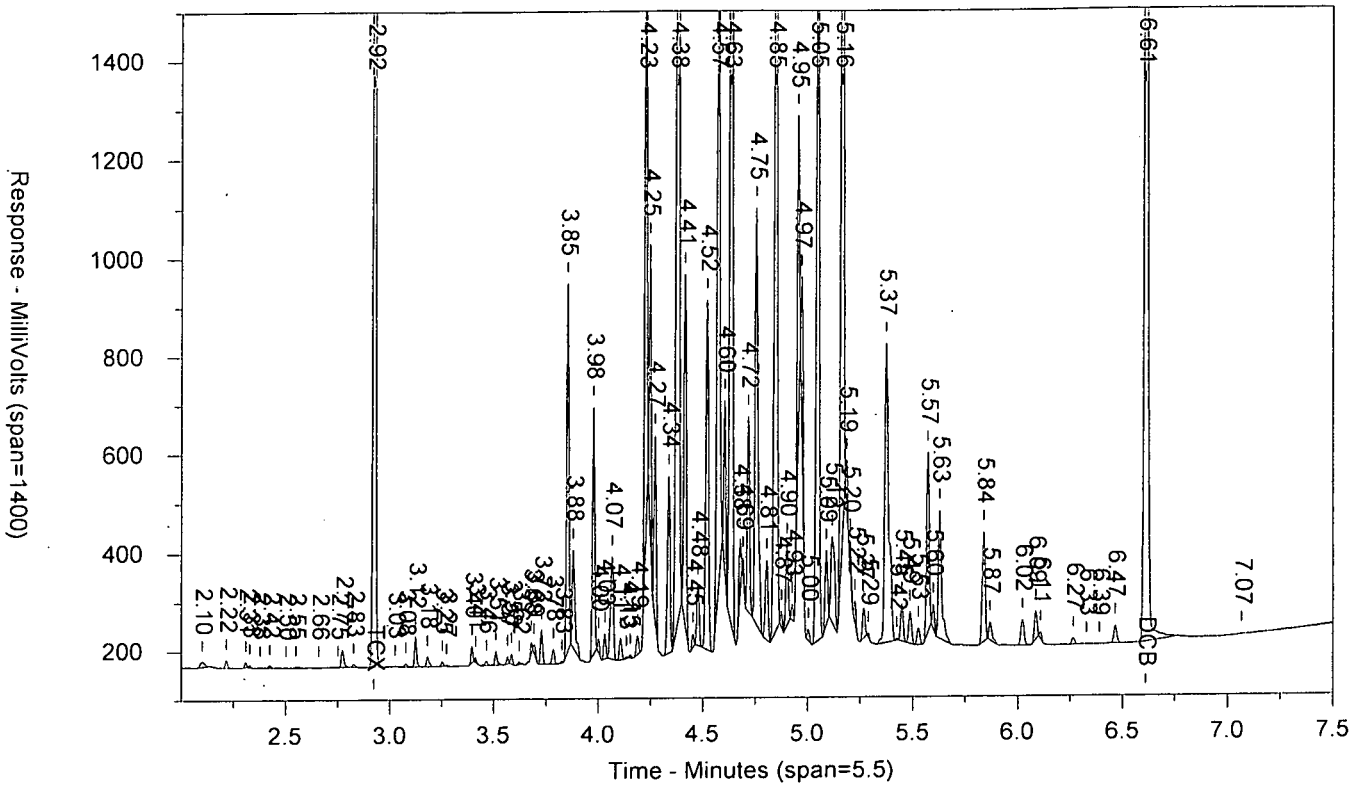

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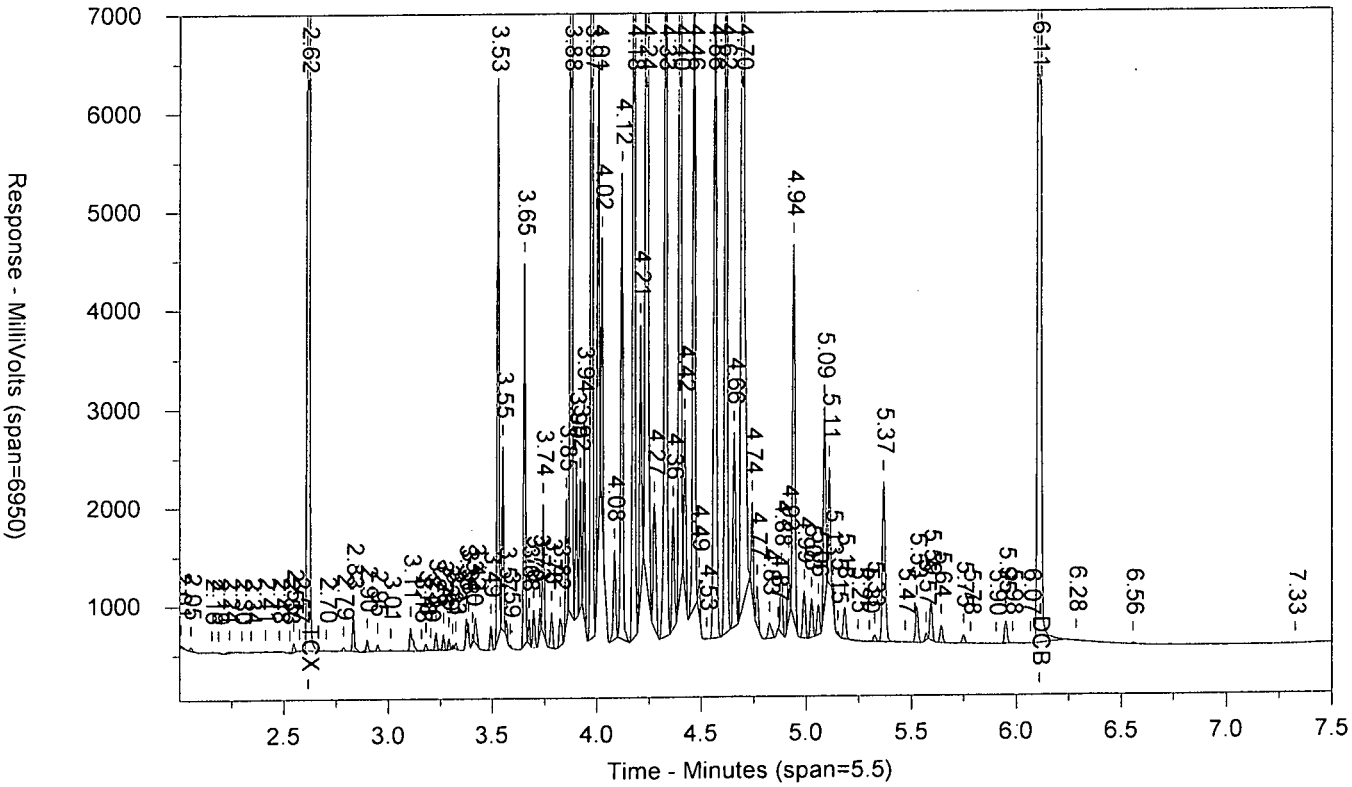

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:09:12 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	4622428	40.676	TCX	2.616	27652480	40	TCX
6.611	2754543	40.027	DCB	6.108	20216660	41.497	DCB

Files:
Area File: 20pcbs17137001.020.RAW
Area File: 20pcbs17137001B.020.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:17:56 PM
File Reported On: 5/17/2017 at 8:18:05 PM

AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082

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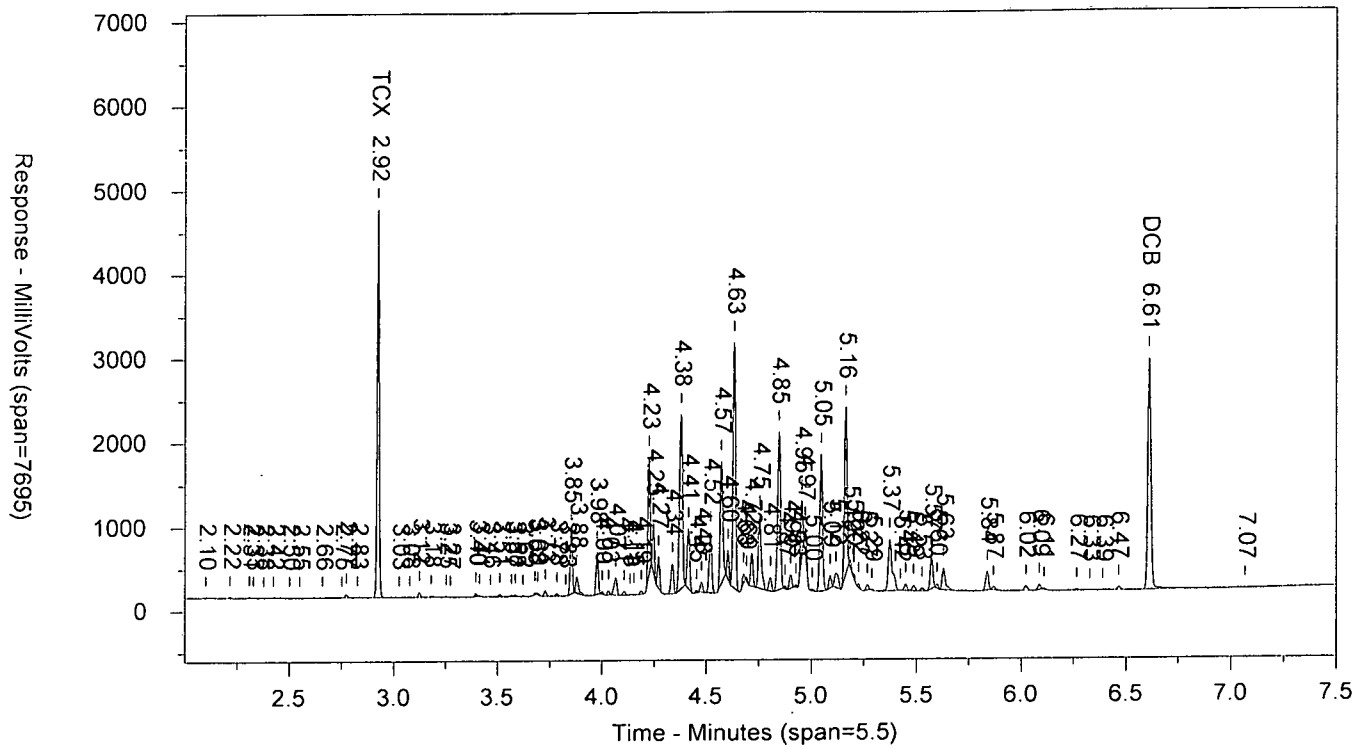

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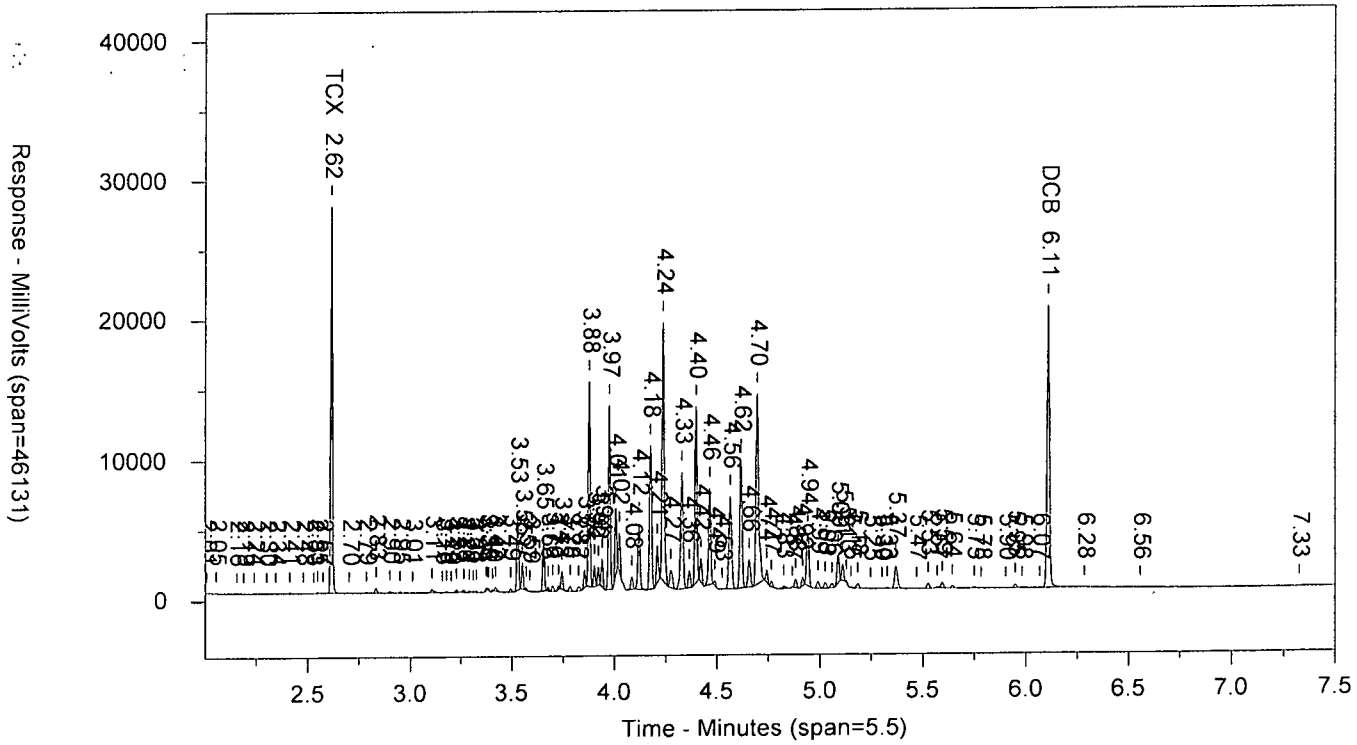

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:20:33 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.021.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		10136	15325
2.137		1957	3258
2.217		32849	23103
2.31		7207	4381
2.328		10988	6834
2.382		1602	2039
2.424		2572	2366
2.549		1624	3440
2.657		1341	1181
2.773		29987	25362
2.827		1909	1978
2.923	TCX	9259284	6193316
3.026		2607	1580
3.076		10509	9142
3.123		120236	82777
3.18		39027	28153
3.253		19678	12024
3.274		4272	2700
3.395		60372	37461
3.412		18196	9948
3.448		2865	1390
3.465		15060	9946
3.51		56681	40532
3.566		33433	19529
3.585		37876	23164
3.621		9950	5749
3.68		43973	23366
3.693		35525	25194
3.728		125742	97325
3.784		60070	47004
3.825		7981	4745
3.853		1532901	1125479
3.88		380596	350463
3.926		3710	1750
3.977		976045	734886
4.001		55330	31529
4.031		97929	72461
4.066		427919	389448
4.107		86308	69635
4.136		6966	3783
4.152		16165	9469
4.188		75052	60647
4.225		2731089	1946699
4.246		1144496	683667
4.269		790486	567088
4.336		739600	607952
4.379		4093713	4152217
4.413		1424145	1148958
4.453		52274	34888
4.475		239453	185835
4.519		1455631	1247542
4.57		2937191	2577190
4.602		670780	440816
4.632		5809577	4977570

RT A	Compound A	Height A	Area A
4.677		243803	171373
4.691		97669	45729
4.716		784146	620944
4.753		1662863	1661778
4.804		319262	287793
4.846		3933572	3580532
4.874		57756	34675
4.901		316861	264192
4.927		60640	36337
4.954		1274447	965506
4.971		647030	381250
5.004		40966	30835
5.046		3218600	2999988
5.089		306935	244835
5.116		349882	442785
5.162		4038610	3527055
5.185		188027	89313
5.201		114123	64175
5.224		79894	56442
5.268		111788	96207
5.288		13829	8690
5.373		1291869	1570699
5.422		6682	3441
5.448		132774	121346
5.488		114070	110967
5.528		62883	59688
5.572		727477	644830
5.598		84254	59788
5.63		509696	553492
5.717		2508	3690
5.837		429872	402658
5.869		68788	70812
5.931		2103	2735
6.022		107955	113902
6.086		117120	106905
6.108		23890	15593
6.264		23668	24737
6.309		1654	1362
6.392		1240	1450
6.466		67040	68969
6.612	DCB	5147151	5368635
6.731		1866	2665
7.068		4042	5274
7.303		319	1737
7.352		681	266
7.653		832	19287
7.884		859	6518

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:20:33 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.021.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		10638	12042
2.054		77814	51292
2.149		5862	6383
2.188		6984	10929
2.239		17332	35365
2.3		3397	2988
2.37		2462	4037
2.411		5470	5645
2.48		5040	3816
2.528		13017	12823
2.547		93664	74032
2.592		2366	815
2.615	TCX	56609560	32376670
2.658		13428	5406
2.786		65576	53138
2.813		5414	2081
2.833		682180	426560
2.899		215177	145429
2.949		130969	77774
3.009		28749	18287
3.106		404997	394420
3.156		21809	11762
3.178		112192	67634
3.202		19318	10214
3.227		333181	230191
3.264		287550	171636
3.291		239646	128881
3.31		74069	34075
3.325		91827	46376
3.375		581964	605897
3.404		178530	82558
3.419		532145	398149
3.492		457736	293835
3.527		11258960	6720859
3.55		3588982	1991392
3.568		351071	157140
3.585		49416	24281
3.653		7142227	4449686
3.676		517787	269731
3.697		753186	507537
3.726		485851	252177
3.743		2645388	1536395
3.783		679704	520067
3.823		523346	490609
3.853		2410604	1417336
3.875		27730980	18334860
3.9		2968250	1659925
3.92		2564218	1388273
3.938		4287230	2595155
3.974		24980650	16651260
4.006		10176120	5940632
4.023		5755855	2952326
4.084		1786367	1264167
4.118		9354214	6783653

RT B	Compound B	Height B	Area B
4.175		21603490	15224730
4.208		5907235	4101801
4.236		37174280	26627210
4.273		2352942	2294730
4.328		16637400	13784300
4.364		2533352	1827689
4.397		25147190	17402020
4.42		3311848	2151376
4.463		13831460	10243460
4.489		734415	425084
4.563		12558530	12010650
4.615		17962290	14155920
4.655		3828722	3362585
4.695		27443780	25440620
4.742		1868969	1194516
4.765		735467	508125
4.824		289705	319814
4.865		25567	21894
4.881		1091167	819870
4.916		1131739	765068
4.939		7620935	6025815
4.99		927257	778313
5.026		769163	608975
5.058		560607	482305
5.088		4093819	2970735
5.11		2529016	1634763
5.128		306339	153700
5.151		64936	38326
5.185		676909	590667
5.247		10623	10339
5.303		10013	6473
5.325		127369	103877
5.368		3009745	3032544
5.469		10264	7195
5.526		742030	659992
5.571		114501	78304
5.594		801130	666356
5.643		347988	303371
5.75		162007	133107
5.782		8871	7558
5.9		7131	6381
5.949		448641	385083
5.981		9773	6448
6.002		5818	3916
6.072		3286	2437
6.108	DCB	38010540	31800680
6.281		11103	20464
6.559		25352	24525
7.192		1593	2380
7.322		1349	2370
7.387		1048	2880
7.437		2147	1986
7.61		1867	1935
7.667		1839	2020
8.216		17121	31325

AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082

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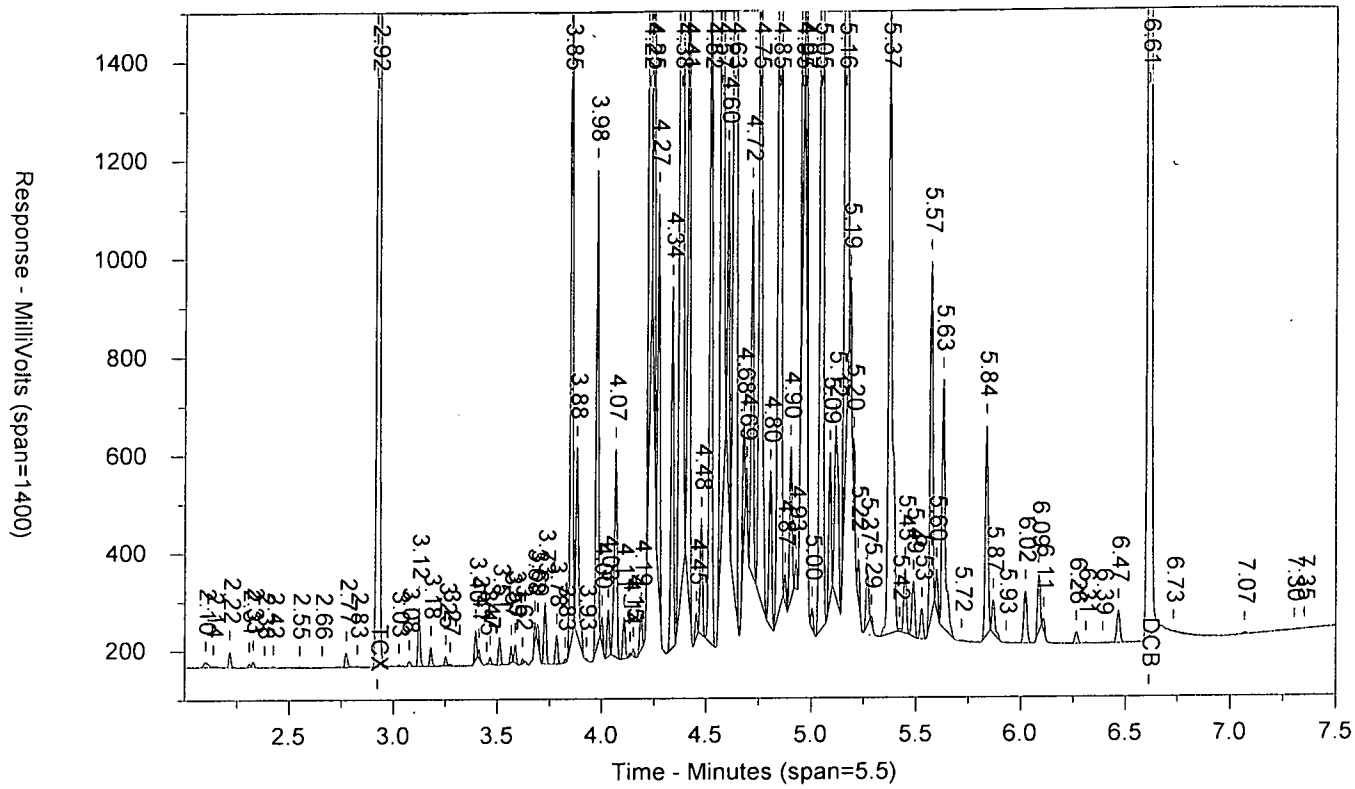

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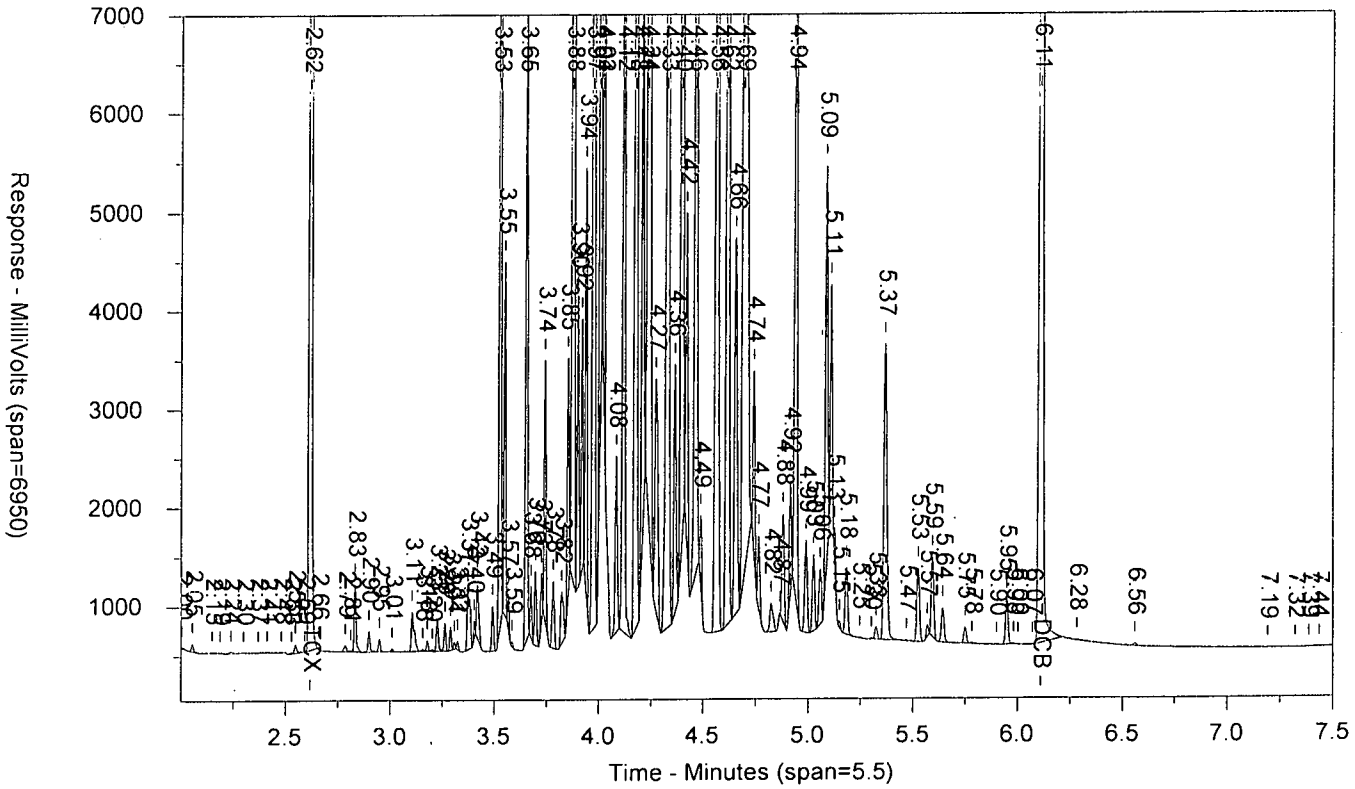

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:20:33 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	9259284	81.479	TCX	2.615	56609560	81.888	TCX
6.612	5147151	74.795	DCB	6.108	38010540	78.022	DCB

Files:
Area File: 20pcbs17137001.021.RAW
Area File: 20pcbs17137001B.021.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:29:14 PM
File Reported On: 5/17/2017 at 8:29:21 PM

AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082

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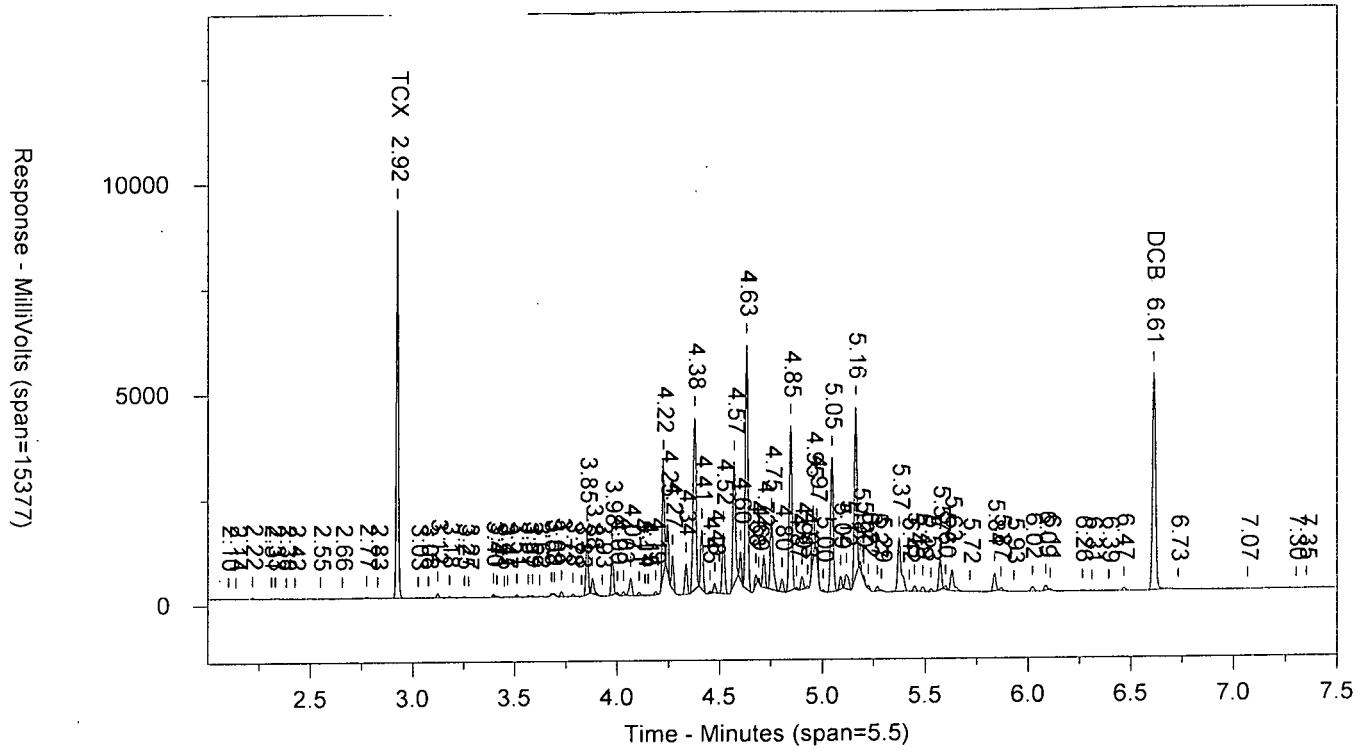

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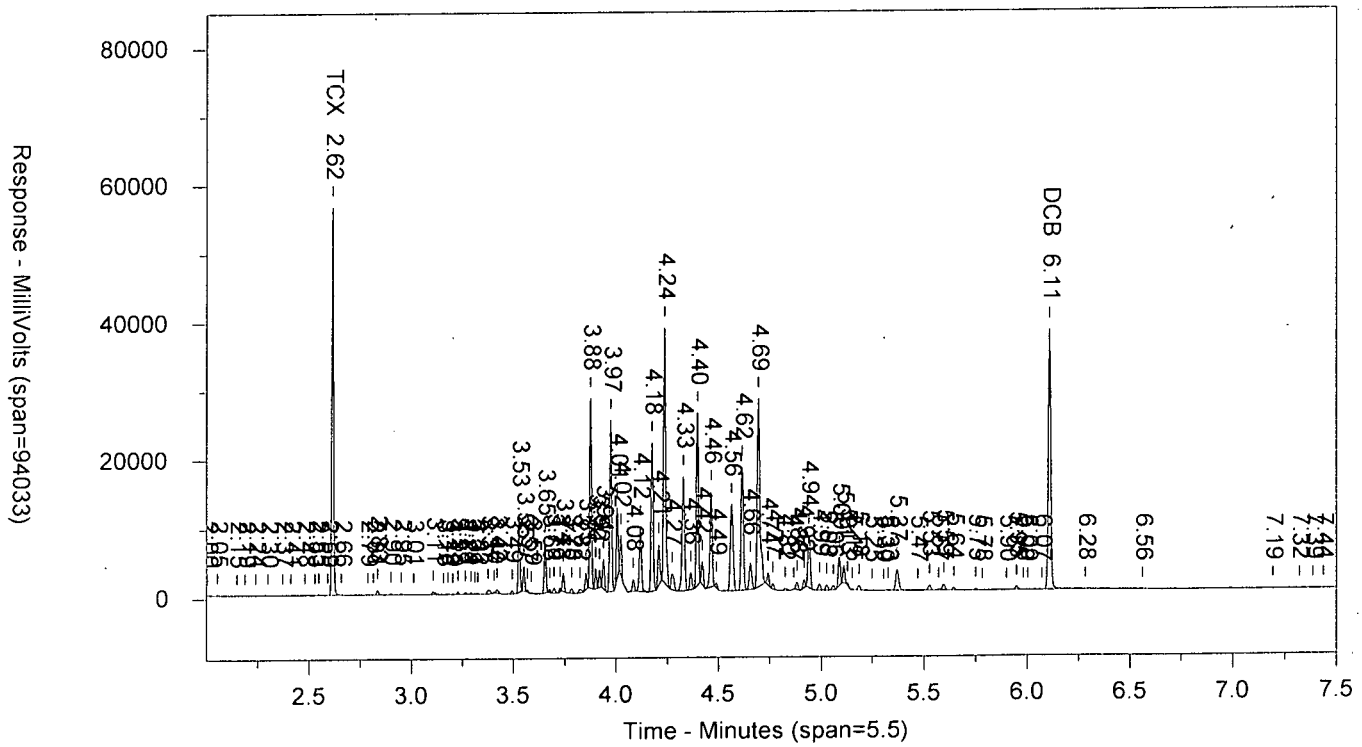

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:31:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.022.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		9580	23702
2.272		2325	2192
2.309		15044	10701
2.38		1413	1869
2.424		4784	4863
2.549		3766	3540
2.584		3914	2183
2.661		1147	1185
2.688		1238	1091
2.774		37604	32514
2.829		5762	5425
2.9		2343	1547
2.925	TCX	1265	1545
3.076		2332	2485
3.133		2147	1611
3.182		14045	14219
3.277		3164	2490
3.396		14661	8914
3.413		5700	2905
3.449		1395	677
3.492		867	472
3.512		14267	8818
3.586		4442	3265
3.622		2914	1640
3.681		6421	2797
3.692		12910	6529
3.729		21262	15246
3.753		4380	2682
3.787		14699	10051
3.812		5651	4317
3.854		18396	13941
3.889		20870	22396
3.92		1566	1535
3.979		16997	15243
4.032		3336	2413
4.068		12551	16739
4.108		3914	3096
4.169		1221	1618
4.189		7024	4631
4.227		101790	85416
4.247		11395	5791
4.27		13417	9012
4.296		6590	5003
4.338		6602	4187
4.359		18999	12025
4.381		124969	104924
4.414		11606	8098
4.453		6869	4821
4.479		24324	20451
4.516		70223	68842
4.587		112833	135698
4.634		66670	57095
4.679		414120	413412
4.717		68078	49803

RT A	Compound A	Height A	Area A
4.756		669409	619595
4.797		20130	18151
4.846		43633	52100
4.878		11216	7414
4.903		76464	70028
4.956		732300	823498
5.005		337470	318742
5.049		319460	391160
5.105		53406	46255
5.128		23137	15279
5.162		578594	631288
5.203		10250	4979
5.225		1002432	922537
5.27		415826	409892
5.364		140912	108881
5.39		809822	830745
5.449		340075	291484
5.47		17892	7063
5.489		94761	72627
5.531		37279	33021
5.553		1619	689
5.575		135463	124638
5.63		1957322	2075627
5.834		1081708	1184801
5.891		535861	881602
6.023		56214	56618
6.087		16088	11269
6.109		252924	224638
6.267		651921	660170
6.312		38215	53621
6.466		241916	250989
6.611	DCB	6683	6850
6.644		981	815
7.185		853	7815
7.564		619	4927
8.087		1111	6097
8.184		997	4562
8.683		3370	3104

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:31:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.022.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		6712	5695
2.082		8236	6411
2.156		6846	7445
2.238		16645	30193
2.345		31043	22180
2.412		17096	18827
2.475		6711	10859
2.53		15682	8915
2.547		104133	78978
2.59	TCX	4138	4616
2.645		14023	11284
2.696		4157	9385
2.785		9224	6312
2.847		18424	16327
2.899		77208	58976
2.922		4334	1890
2.984		10202	6345
3.01		9433	6048
3.105		110047	122576
3.18		21644	19348
3.202		6711	3373
3.227		102144	68164
3.264		32612	20047
3.309		23071	10959
3.325		55681	30451
3.354		8439	4422
3.375		55743	26361
3.385		91280	39251
3.418		99711	89717
3.451		4412	2199
3.493		121870	98875
3.527		103594	53100
3.551		184101	111025
3.58		48747	39172
3.61		35902	21056
3.654		122840	73285
3.674		61398	33483
3.698		37603	23374
3.727		69786	37999
3.743		67609	38051
3.783		39874	33266
3.831		82448	82190
3.86		36201	27912
3.876		785265	500722
3.901		80511	45580
3.921		21514	10753
3.939		66402	39943
3.974		885799	614789
4.008		117386	74958
4.035		278568	216640
4.058		16611	7908
4.071		177477	115310
4.11		370790	344837
4.152		20032	11490

RT B	Compound B	Height B	Area B
4.175		190938	132370
4.218		460868	314325
4.25		2580708	1911976
4.276		667678	680248
4.328		4377388	3375554
4.369		140668	104106
4.397		173234	127479
4.422		643408	497810
4.465		4869363	3784974
4.525		3471	4695
4.568		4600259	4096827
4.621		834799	675650
4.66		1361553	1116638
4.695		3029463	2540303
4.728		6508425	5086081
4.766		3300506	2621874
4.823		5346	3391
4.866		1395086	1165309
4.916		6474238	5652151
4.99		2538959	2581296
5.027		848939	638623
5.056		749016	616201
5.088		27549	19505
5.111		12314600	10191220
5.151		219262	163912
5.184		837725	705775
5.259		4324	3395
5.303		219683	140021
5.326		5102819	4118445
5.374		8213507	8400974
5.527		387830	338255
5.572		61504	42127
5.595		245012	199588
5.644		1851441	1631078
5.75		4445079	3845746
5.781		224678	160141
5.95		1767900	1579581
6.108	DCB	48228	43930
6.284		6197	5048
7.326		1897	4203
7.622		2046	4034
7.66		1741	1302
7.787		2571	11436
8.214		16572	30496

AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082

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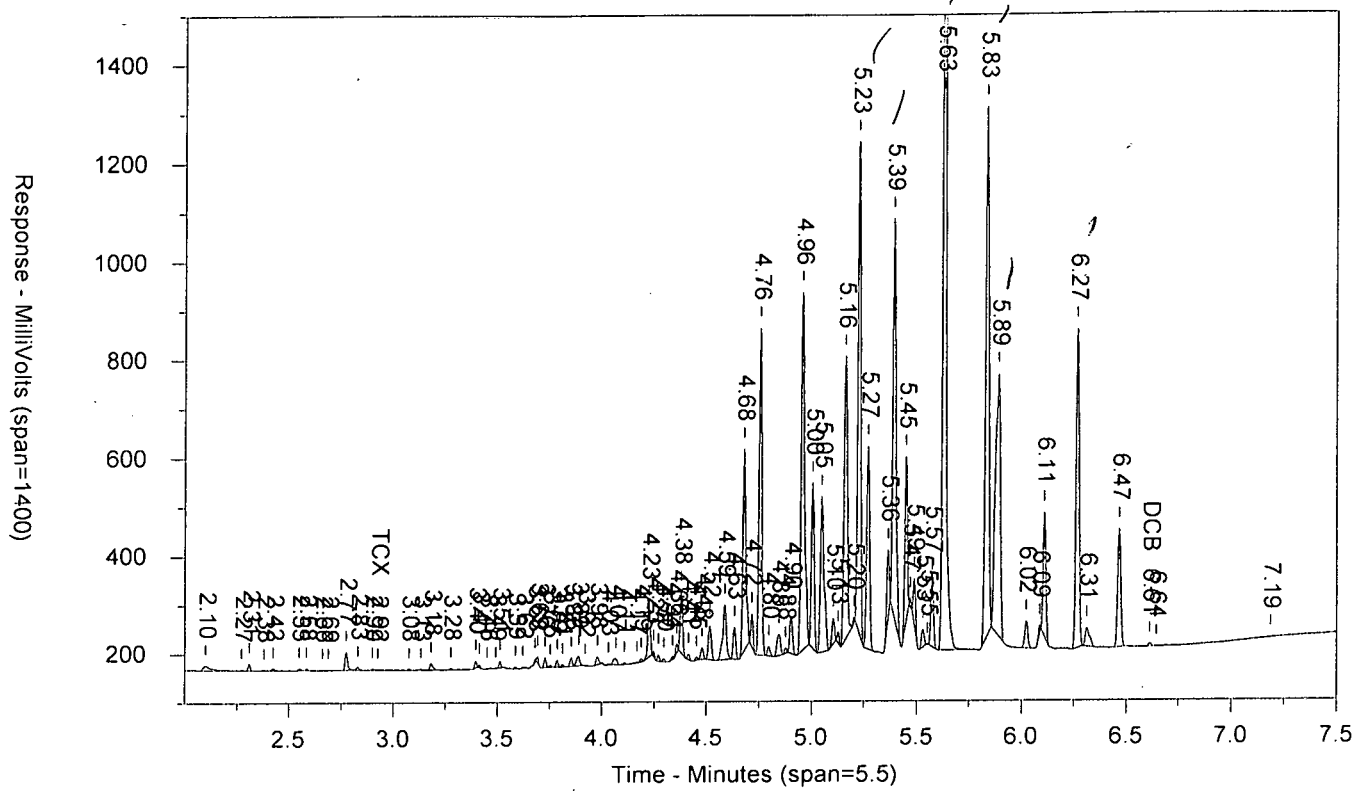

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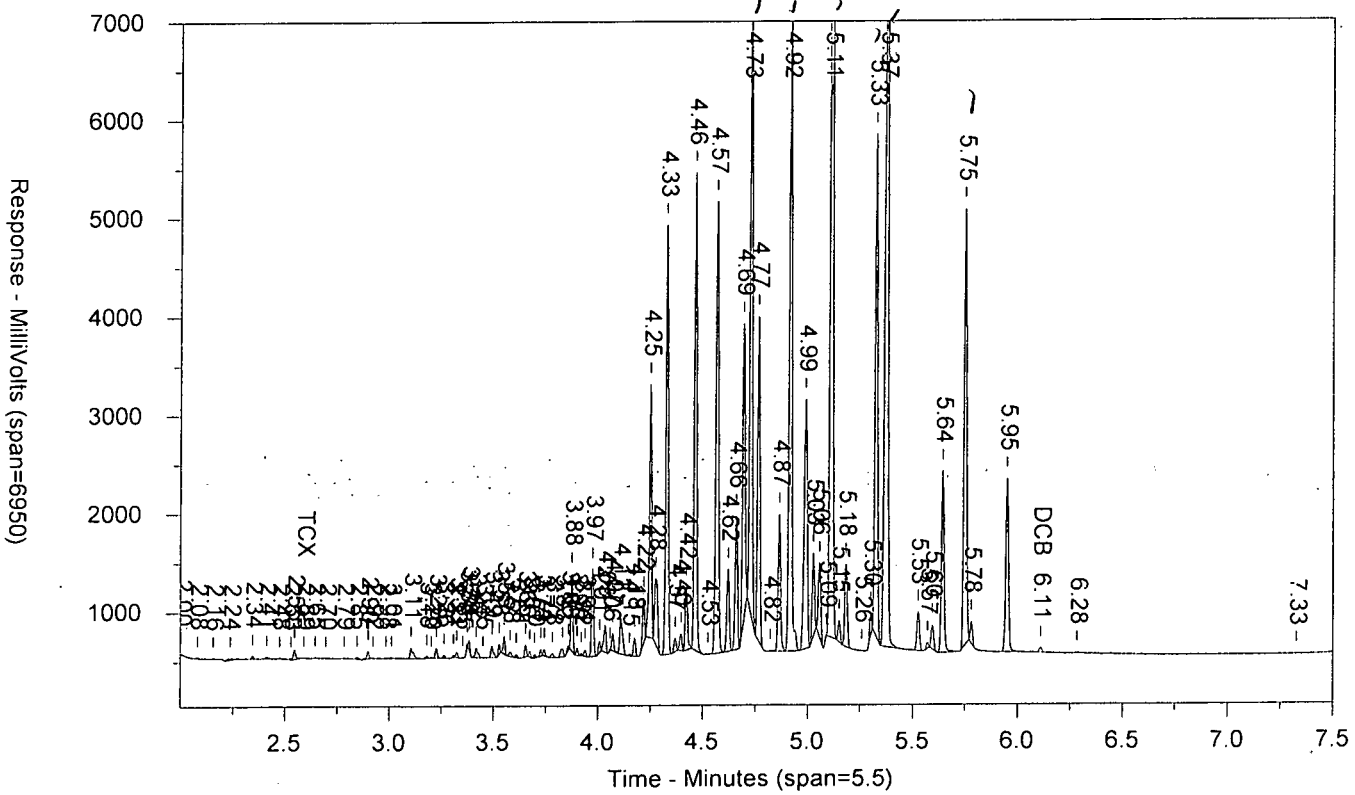

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:31:54 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	1265	.011	TCX	2.59	4138	.006	TCX
6.611	6683	.097	DCB	6.108	48228	.099	DCB

Files:
Area File: 20pcbs17137001.022.RAW
Area File: 20pcbs17137001B.022.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:40:39 PM
File Reported On: 5/17/2017 at 8:40:49 PM

AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082

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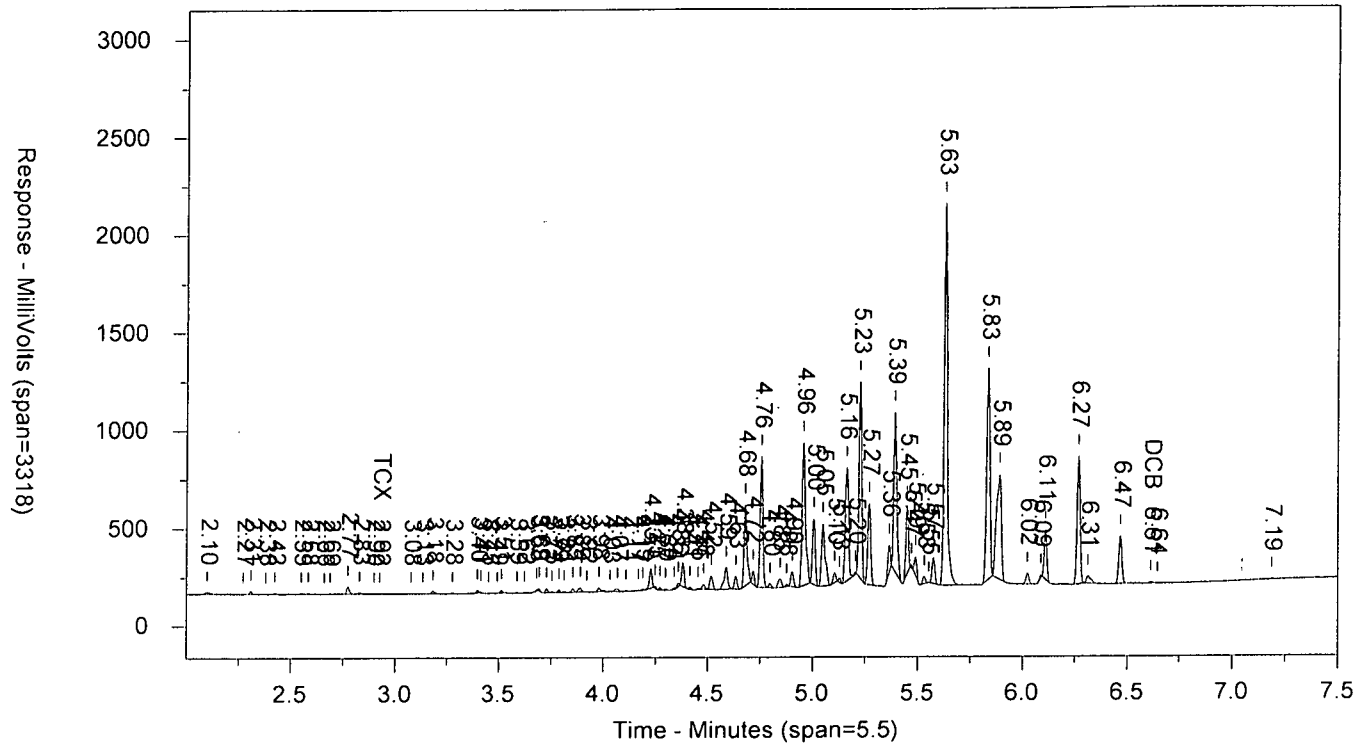

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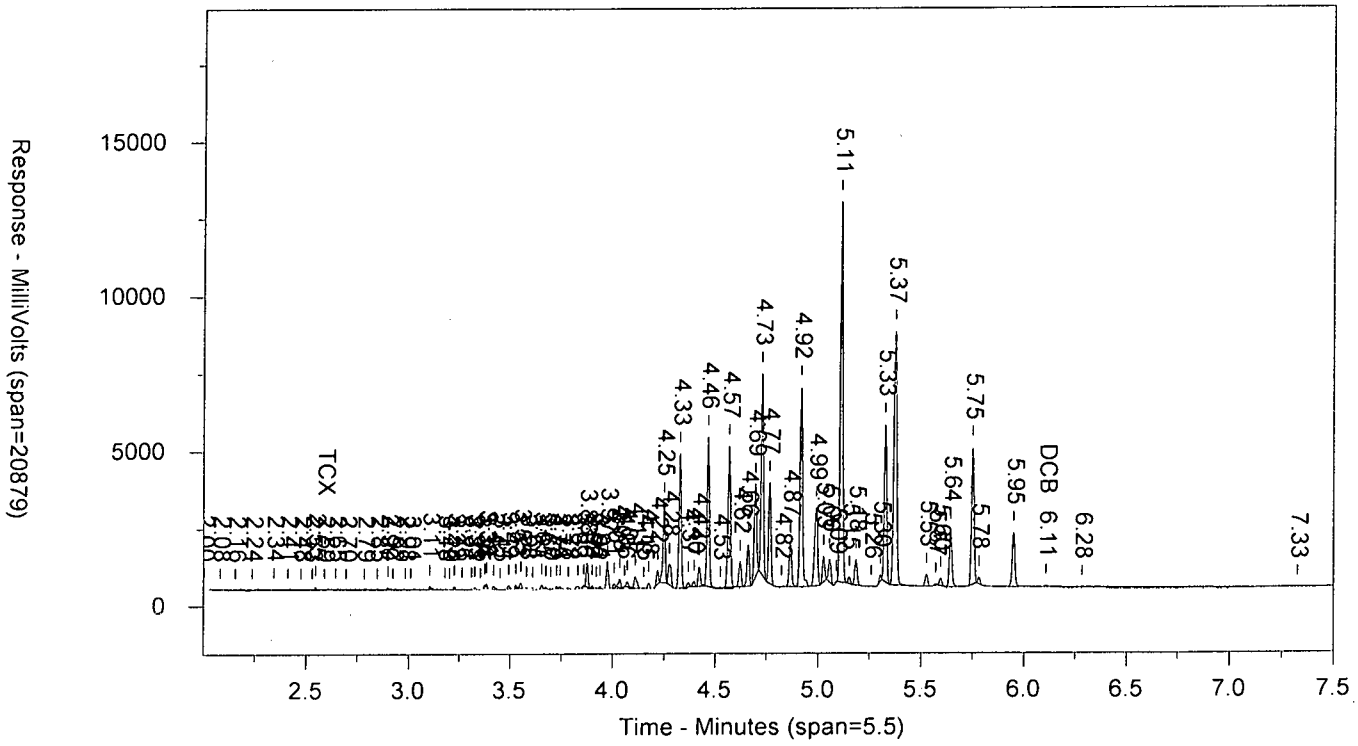

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:43:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.023.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.009		673	441
2.1		17338	39268
2.31		15555	10909
2.38		1656	1983
2.425		5499	5019
2.549		1604	1406
2.66		1451	1304
2.753		782	410
2.774		41198	35401
2.828		5683	5165
3.192		6115	6799
3.397		3498	2331
3.493		1036	558
3.512		2959	1653
3.531		2441	2003
3.587		1284	1199
3.623		1125	1188
3.667		1941	1310
3.681		2130	952
3.693		3182	1626
3.73		6662	5652
3.788		4605	4247
3.853		6147	6411
3.889		4508	5190
3.979		5617	3888
4.003		2367	1441
4.033		2138	1364
4.069		6233	7594
4.109		3528	3137
4.172		1336	1076
4.189		3232	1904
4.223		10238	13920
4.247		10674	6779
4.27		9116	5519
4.297		7978	6831
4.327		872	814
4.377		13432	10564
4.399		3520	2143
4.473		6198	5777
4.516		43448	44026
4.573		12186	11143
4.634		6338	5529
4.679		6266	6093
4.719		9664	8073
4.756		15389	13703
4.798		35412	32710
4.842		16121	17384
4.879		52062	45422
4.92		3808	3902
4.957		5767	4221
5.005		50320	45962
5.049		14371	20116
5.092		1282	685
5.119		23324	22038

RT A	Compound A	Height A	Area A
5.159		21173	21187
5.205		19574	13064
5.226		388389	354919
5.27		41378	41995
5.365		33355	27563
5.405		511868	625569
5.471		161593	187229
5.53		57695	59086
5.576		10572	10213
5.63		164526	128505
5.651		107210	80131
5.832		2407763	2419411
5.892		2100808	2311303
6.022		1958924	1941615
6.087		449104	398307
6.108		27498	19316
6.267		809132	798137
6.313		5137	3780
6.343		2719	2839
6.466		6332050	6342311
6.613	DCB	1236467	1264548
6.69		4092	3746
6.931		2872	3623
7.275		831	14575
7.608		649	631
7.674		729	715
7.787		1113	630
8.227		803	3921
8.305		685	567
8.356		527	952

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:43:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.023.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		21241	16823
2.156		5306	4126
2.24		17166	30705
2.343		2269	1469
2.367		2996	2539
2.411		8424	9386
2.479		11902	26723
2.53		14069	13108
2.547		116581	93946
2.629	TCX	2736	1880
2.703		4776	16369
2.799		3779	3230
2.9		16664	22510
2.988		2732	1622
3.106		26538	44021
3.182		15285	17140
3.228		26898	18718
3.265		8538	6302
3.311		3843	1613
3.326		29643	17278
3.355		4169	2350
3.375		16702	8217
3.385		25882	10490
3.417		21484	18108
3.45		3917	2112
3.493		38800	25695
3.528		39744	23115
3.552		54148	31220
3.569		7386	2764
3.586		18816	16536
3.655		55143	34610
3.676		18057	12099
3.701		29240	20635
3.728		25152	12855
3.745		39765	22561
3.785		29057	21600
3.832		77279	61235
3.86		49242	40158
3.878		85619	51243
3.902		71738	43241
3.922		4082	1856
3.976		25514	27207
4.011		53779	33346
4.025		8303	2706
4.038		25781	13183
4.073		42858	29449
4.091		15089	6846
4.11		229867	192773
4.153		57525	37464
4.174		17046	8718
4.208		17671	18025
4.237		23245	13132
4.251		25735	13078
4.281		12734	12271

RT B	Compound B	Height B	Area B
4.33		151608	134535
4.369		232064	171839
4.397		34429	23376
4.421		54921	32268
4.441		310657	216825
4.465		34905	18674
4.523		3829	4068
4.568		383299	324483
4.62		101858	89177
4.666		172511	178441
4.697		74599	55370
4.728		2738061	2497022
4.766		231697	165698
4.839		5167	5691
4.866		298313	244272
4.916		4161403	3553631
4.944		53763	31834
4.983		1120441	1051110
5.027		23600	13600
5.043		12475	6370
5.062		284608	233537
5.111		1539656	1321321
5.185		1328754	1125488
5.264		8708	6939
5.303		155026	100515
5.327		16635460	13829890
5.374		16842710	14298820
5.527		14469800	12037960
5.594		3498455	3122866
5.644		725776	615375
5.75		5669355	4950070
5.874		24072	26744
5.95		43087670	37186810
6.108	DCB	8495542	7577039
6.255		3297	1077
6.281		24491	24200
6.447		20171	16697
7.029		2050	1964
7.296		1800	720
7.68		1734	17182
8.063		1991	2614
8.131		1496	876
8.216		16946	29976

AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082

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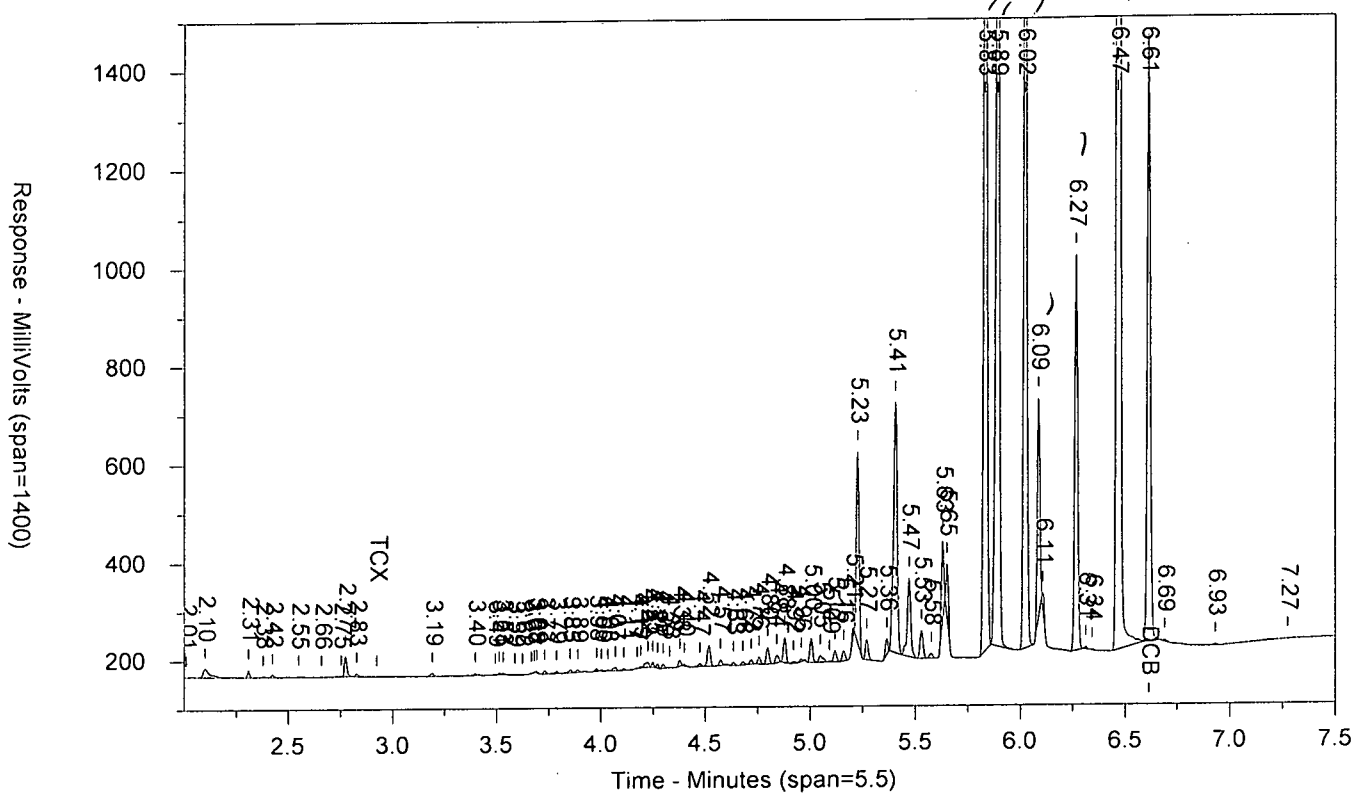

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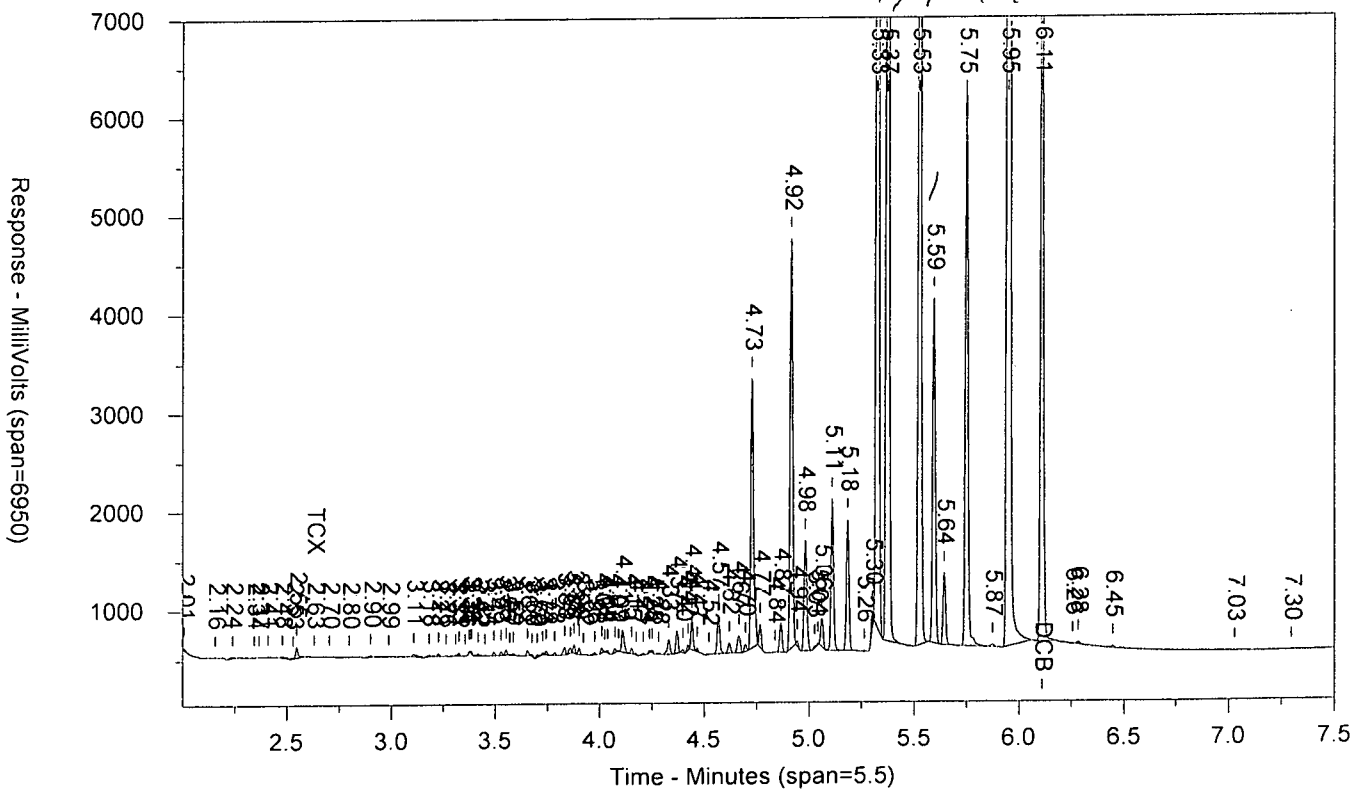

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:43:23 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
	0		TCX	2.629	2736	.004	TCX
6.613	1236467	17.968	DCB	6.108	8495542	17.438	DCB

Files:
Area File: 20pcbs17137001.023.RAW
Area File: 20pcbs17137001B.023.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:52:06 PM
File Reported On: 5/17/2017 at 8:52:15 PM

AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082

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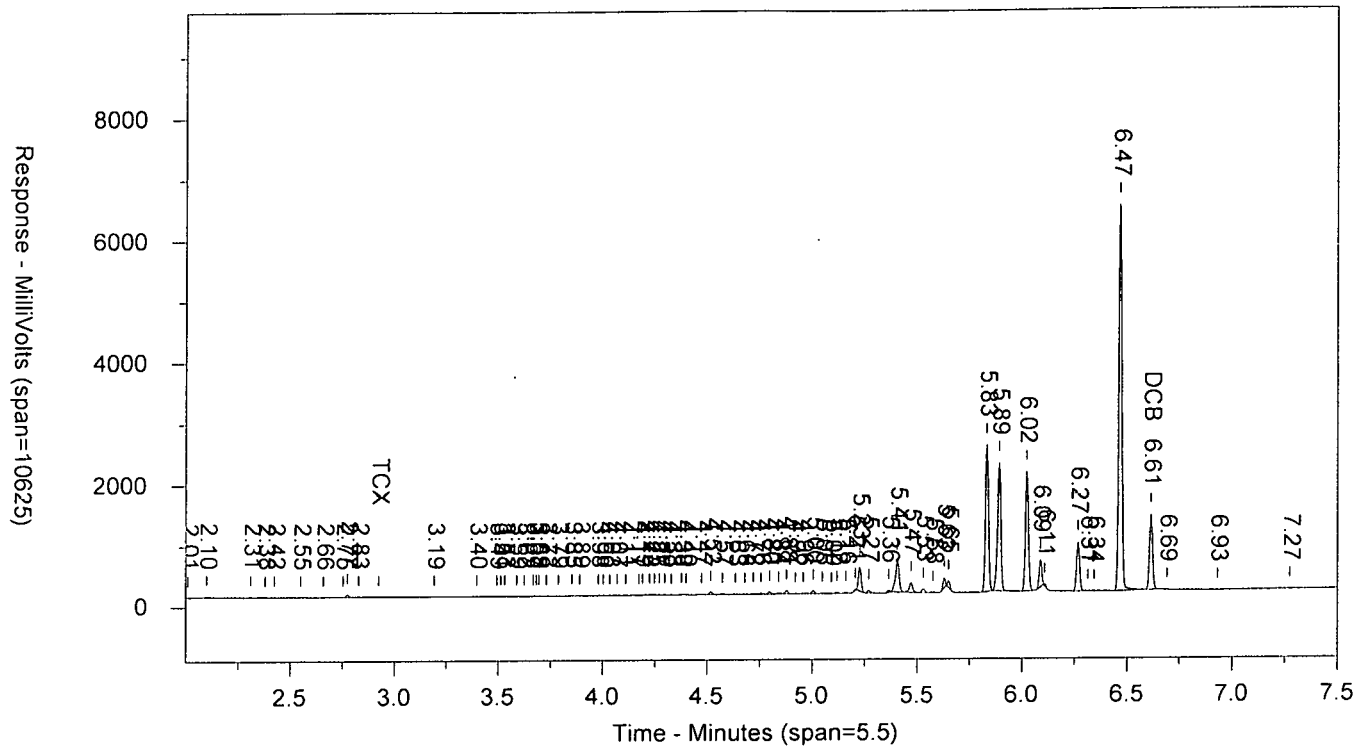

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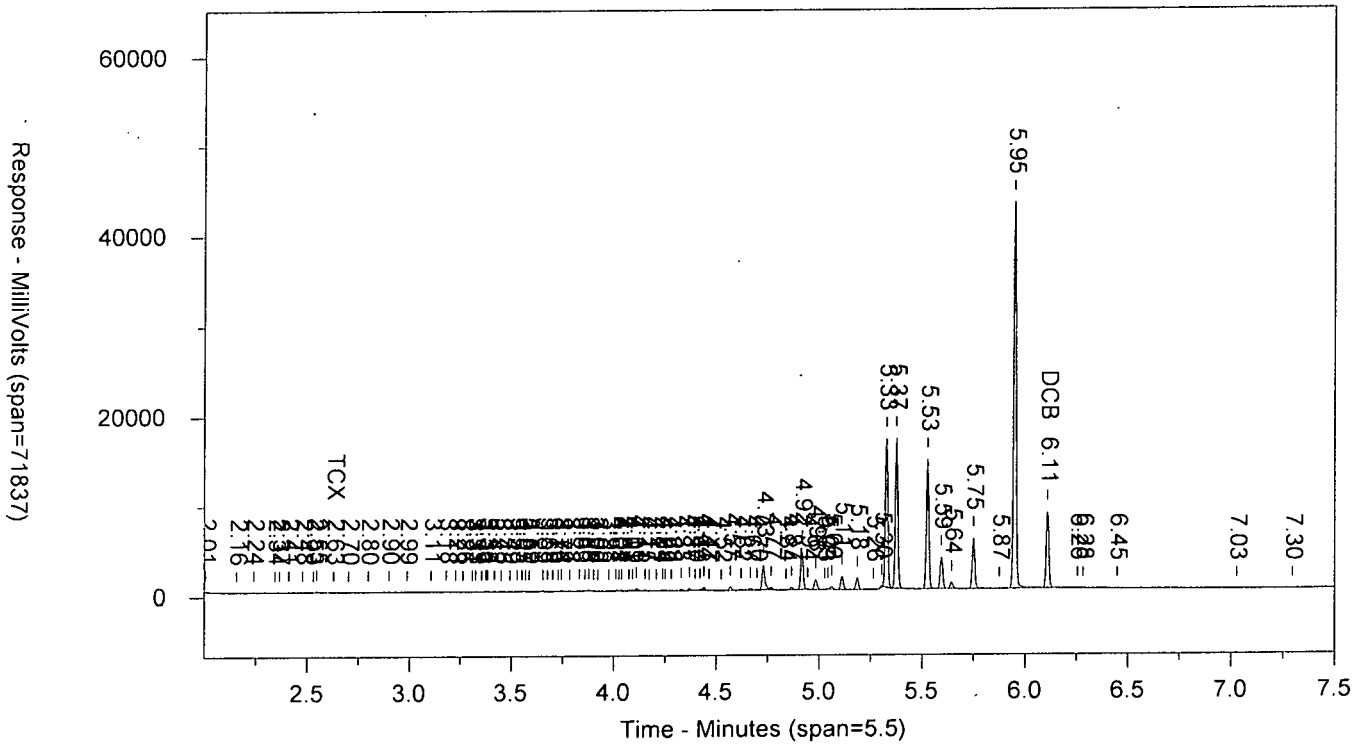

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:54:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.024.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		4572	7710
2.142		1563	4264
2.217		17679	14687
2.31		10780	6546
2.329		5646	3182
2.377		1391	1722
2.425		3198	2818
2.503		1993	2027
2.565		151640	111900
2.658		1251	1083
2.72		1072	1184
2.775		13454	9980
2.805		1658	894
2.843		53426	38394
2.924	TCX	4680481	3111497
3.027		1600	1442
3.078		196682	164416
3.134		170034	152109
3.182		549305	393201
3.254		9573	5778
3.276		3519	2126
3.36		853	526
3.396		29015	16797
3.415		5791	3146
3.434		6904	2521
3.483		67088	47206
3.512		33523	24930
3.568		16899	10150
3.587		2190	1108
3.623		6802	3859
3.638		6472	3582
3.666		3977	2418
3.682		11697	5616
3.693		28410	14798
3.73		42442	30933
3.788		24781	17284
3.829		588	340
3.855		13611	10857
3.882		5143	3864
3.979		8926	6249
4.004		2943	2271
4.034		1953	1487
4.072		13286	12215
4.109		2426	2321
4.174		1203	1272
4.189		1578	1091
4.227		16264	11346
4.247		8605	5338
4.271		8639	5333
4.298		7383	6439
4.337		3057	2644
4.379		18518	17458
4.415		3740	2309
4.452		1694	1407

RT A	Compound A	Height A	Area A
4.483		1711	1611
4.52		7651	8534
4.573		14036	12201
4.604		2731	1821
4.634		21031	18316
4.68		3493	3789
4.717		4143	3395
4.756		7189	7143
4.804		1370	1422
4.848		12862	11836
4.878		18465	15543
4.923		1899	1510
4.955		4872	3690
5.005		3315	3483
5.047		9139	11031
5.118		35724	34192
5.164		10634	9338
5.205		2941	2222
5.374		2093	1630
5.45		961	1935
5.531		29435	29630
5.575		1388	1111
5.652		53840	55137
5.687		2489	2036
5.838		4293	4820
5.882		1815	2208
5.927		1419	1391
6.024		54350	57310
6.088		55010	48004
6.109		8149	5036
6.228		3426	28421
6.264		1209	1221
6.306		949	1527
6.391		2096	2977
6.437		814	675
6.467		34476	35645
6.511		1095	1373
6.613	DCB	2752742	2865048
6.995		1072	1178
7.069		2262	2787
7.21		1048	4020
7.349		378	3159
7.822		761	1577
8.119		794	6225
8.297		784	725
8.681		2496	3556

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:54:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.024.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		4036	2981
2.054		40953	28314
2.156		8959	8987
2.186		2457	948
2.203		13983	7041
2.237		14579	20349
2.271		4019	2351
2.3		704555	472893
2.411		7366	9304
2.452		2827	1411
2.48		4688	3264
2.527		15530	13055
2.547		43121	22290
2.571		230802	143219
2.615	TCX	28055290	16465540
2.658		286031	234623
2.702		4056	4250
2.786		1194106	778645
2.833		231757	101827
2.847		736099	395517
2.899		3053589	1839786
2.949		69187	46558
2.989		6744	4763
3.01		25064	14682
3.086		9347	4909
3.106		121257	60016
3.117		36629	11638
3.125		62700	22754
3.147		106755	67850
3.178		27245	18562
3.203		390349	225446
3.227		218594	135171
3.265		27823	17612
3.292		124082	66259
3.31		57191	26368
3.326		135316	72334
3.354		18589	10105
3.376		81932	43772
3.385		216747	98762
3.419		224355	168101
3.451		5846	3583
3.493		204600	133431
3.528		84436	48442
3.551		58992	39284
3.569		13215	6047
3.591		5320	10570
3.655		75645	49602
3.677		25667	13336
3.701		26111	19510
3.728		16658	8133
3.745		99155	59336
3.785		19513	13885
3.838		7630	7845
3.854		32342	17897

RT B	Compound B	Height B	Area B
3.877		172910	110983
3.902		57909	34120
3.922		11048	5098
3.939		21992	12070
3.976		107701	69167
4.009		52939	31551
4.026		25566	28941
4.073		65790	61450
4.12		40859	30622
4.152		22822	14544
4.177		74028	49635
4.209		21468	14022
4.238		140921	111153
4.275		10296	10017
4.33		75325	65727
4.368		10668	8051
4.398		73090	49620
4.423		9067	4949
4.44		119500	80027
4.466		39128	27932
4.521		6007	5825
4.566		51654	69490
4.619		44657	39400
4.669		215823	163523
4.696		59722	48015
4.728		3308	1373
4.743		8795	5267
4.766		6301	6950
4.842		11544	12237
4.918		22330	17424
4.943		17297	12675
4.986		23685	25441
5.028		7227	5075
5.062		168673	141608
5.089		4361	1936
5.112		13728	9531
5.185		347217	304392
5.246		17159	16026
5.31		3544	3340
5.326		21138	85744
5.407		30499	83631
5.473		11423	23187
5.528		388964	334508
5.596		449616	386798
5.644		140753	120225
5.78		4264	10519
5.859		6935	17558
5.905		6385	6526
5.95		236036	198178
5.981		9435	6459
6.074		1835	1672
6.109	DCB	18941510	16489520
6.172		5903	3498
6.246		5102	5751
6.291		6930	15620
6.56		16141	15277
6.737		4865	10420
6.769		1575	1396
7.216		1490	4100
7.552		1572	3302
7.681		1797	4206
7.728		2424	4355
8.215		14414	26496

AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082

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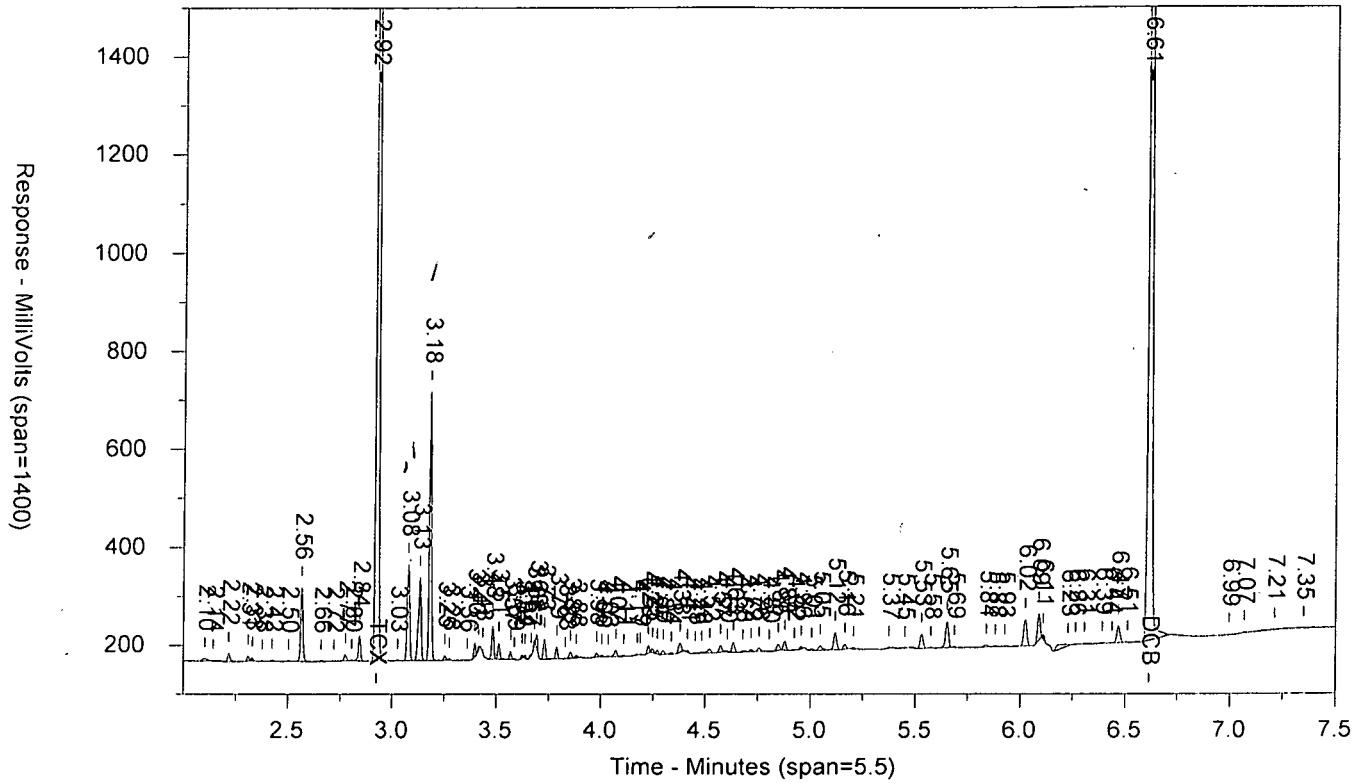

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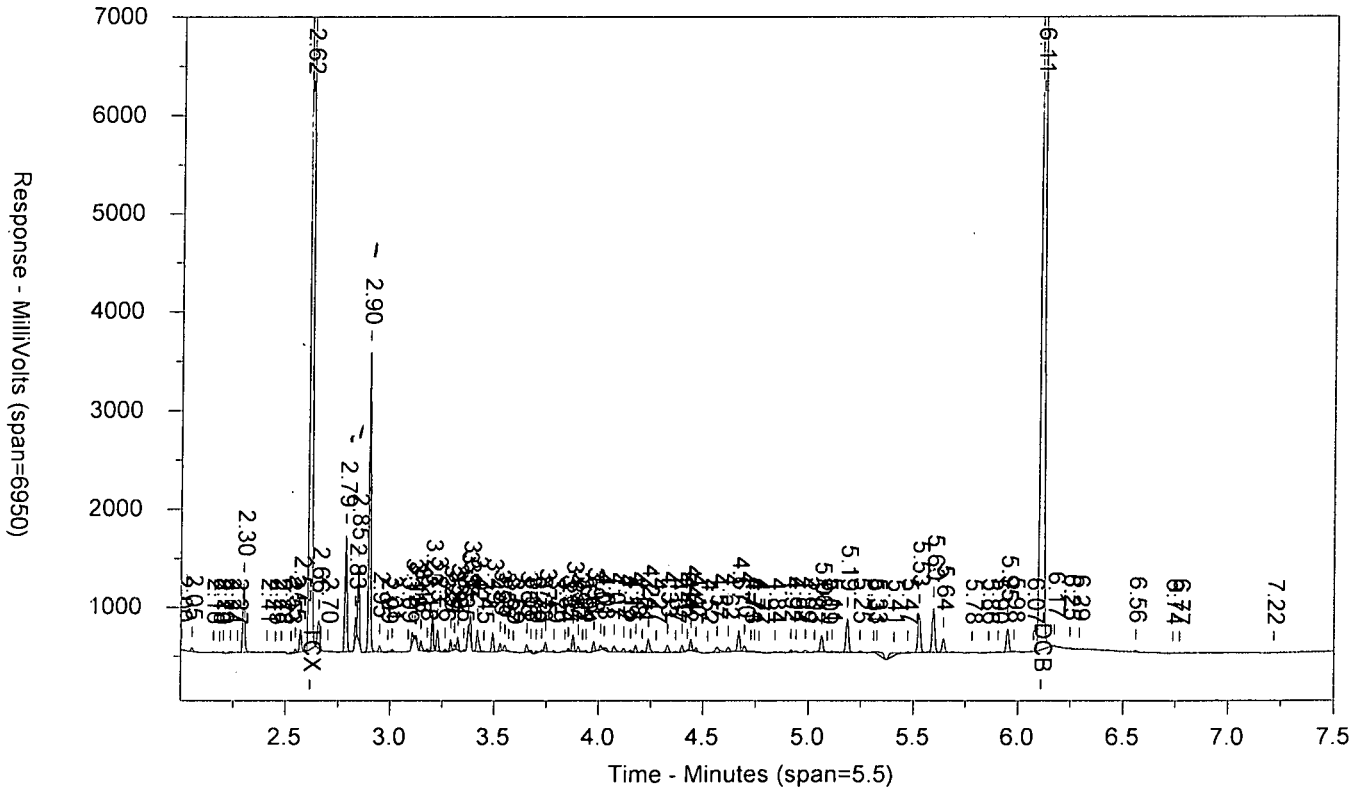

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:54:54 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4680481	41.187	TCX	2.615	28055290	40.583	TCX
6.613	2752742	40.001	DCB	6.109	18941510	38.88	DCB

Files:
Area File: 20pcbs17137001.024.RAW
Area File: 20pcbs17137001B.024.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:03:38 PM
File Reported On: 5/17/2017 at 9:03:46 PM

AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082

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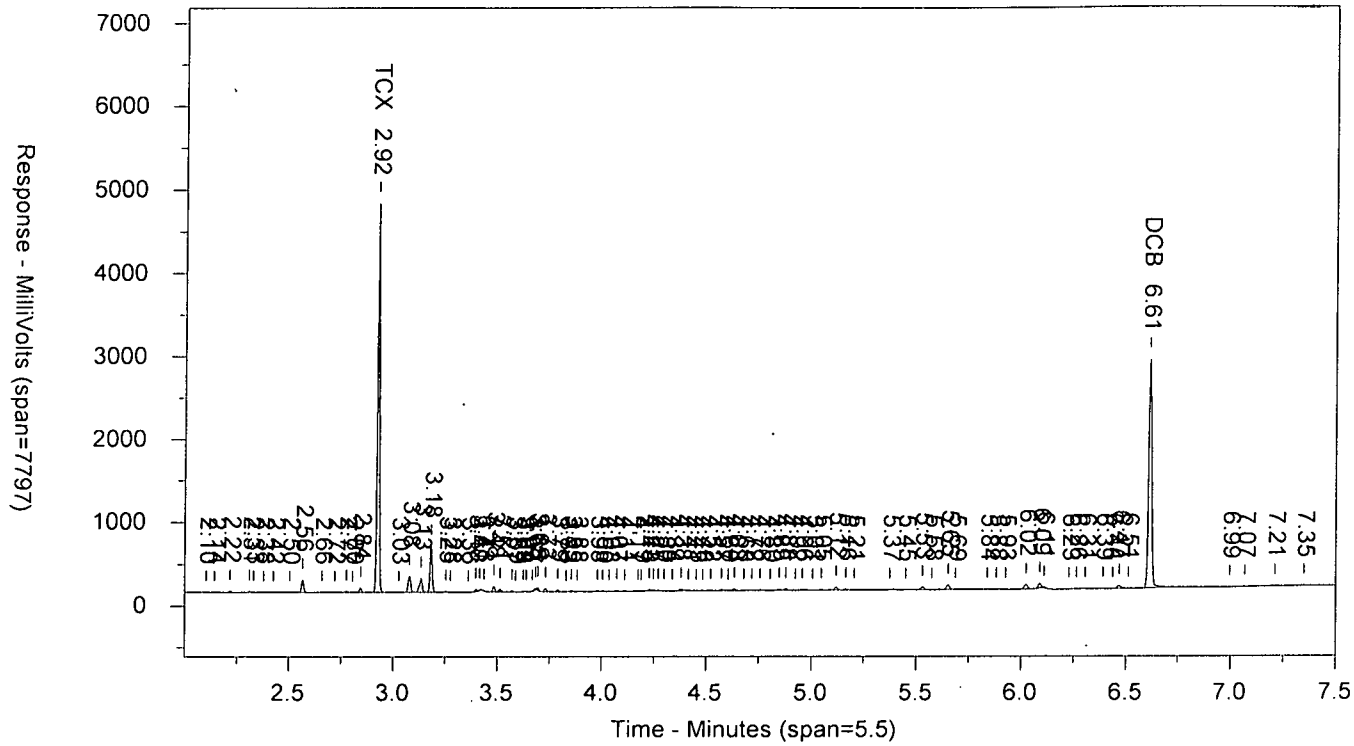

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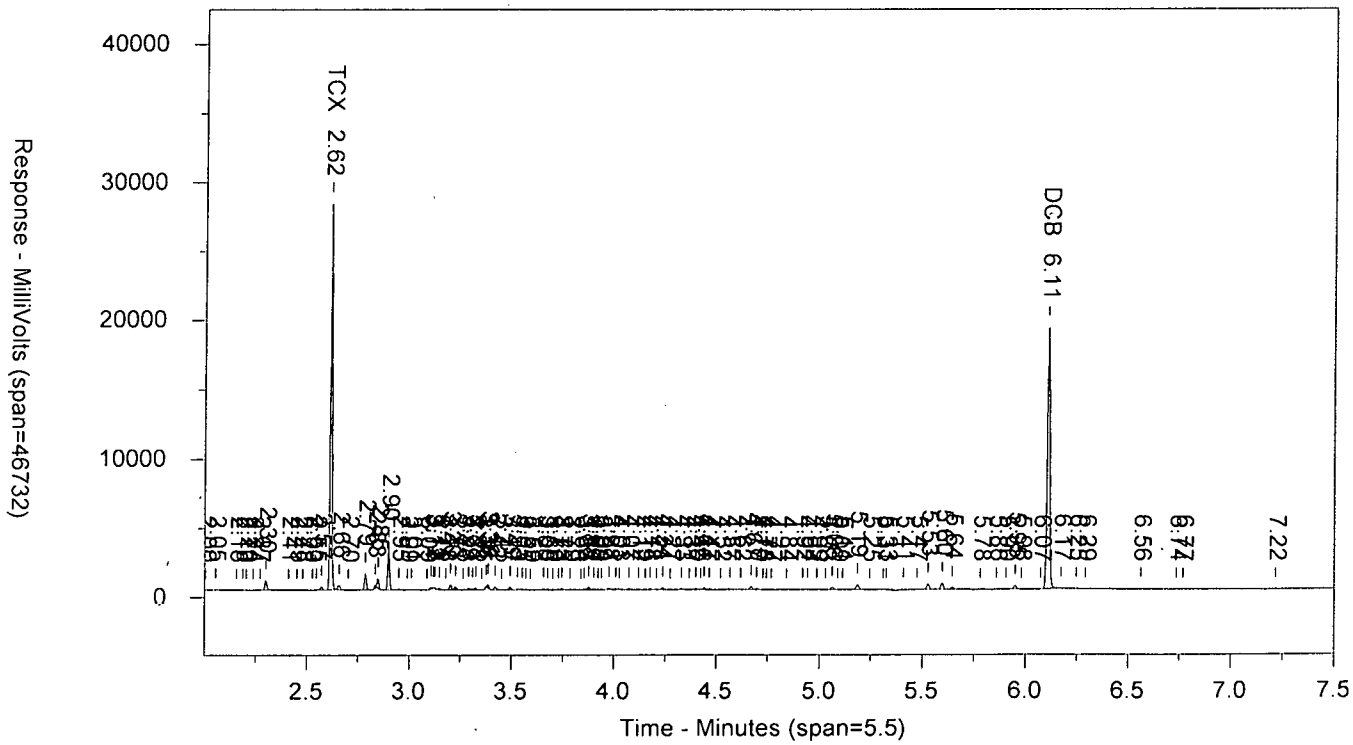

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:06:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.025.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.104		8547	13431
2.139		2092	4498
2.218		17008	13285
2.31		20521	12613
2.329		5270	2937
2.381		1757	2041
2.425		7496	6794
2.565		94261	73242
2.659		1490	1288
2.719		987	1305
2.774		19005	14614
2.828		2250	1442
2.843		27798	16698
2.924	TCX	4693937	3125828
3.027		1367	1124
3.077		150485	123968
3.134		137890	132950
3.181		493963	353504
3.254		9441	5475
3.275		24525	15558
3.315		763	598
3.361		1450	966
3.397		198764	118673
3.413		90636	49915
3.451		21222	10849
3.466		4428	1794
3.483		51447	32247
3.513		218093	167254
3.569		17589	10651
3.588		6318	3589
3.624		46986	26284
3.638		22944	11243
3.683		77391	48100
3.694		207641	108081
3.73		236587	186050
3.789		185481	148218
3.828		13184	8585
3.856		120668	91083
3.884		98315	80462
3.905		28914	15239
3.98		143380	103269
4.004		50202	32159
4.035		58490	40933
4.071		148424	157195
4.11		49941	39732
4.156		8451	7665
4.195		12574	9852
4.229		104282	72441
4.249		140453	89213
4.272		161712	113501
4.298		5535	3532
4.331		9464	11745
4.378		123236	98185
4.4		60604	46039

RT A	Compound A	Height A	Area A
4.456		1202	792
4.48		4669	3521
4.522		27183	28515
4.575		34711	31166
4.606		19406	13908
4.636		56331	48079
4.679		2541	2251
4.72		32452	28973
4.759		6776	7457
4.809		5876	5096
4.851		37086	35223
4.88		17499	13979
4.929		4960	6915
4.958		4572	3131
5.009		2640	2557
5.05		38130	39872
5.121		38525	36712
5.167		10403	9599
5.207		4109	3552
5.27		1910	1740
5.392		4566	8472
5.435		885	587
5.452		1928	1158
5.474		1385	897
5.531		31908	32003
5.578		1773	1333
5.653		64155	69583
5.838		7857	8530
5.883		2287	3604
6.025		66452	66922
6.089		64701	59127
6.109		6909	4823
6.27		1919	1961
6.394		1507	1643
6.438		796	965
6.469		34768	37300
6.615	DCB	2695301	2808775
6.898		645	474
7.072		2378	2442
7.307		730	17129
8.087		798	4219
8.483		738	1304
8.682		3481	7160

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:06:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.025.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		16035	19019
2.054		41151	27853
2.156		17083	12019
2.239		19201	31361
2.271		3147	2844
2.299		456437	297252
2.364		3212	4722
2.412		13572	17068
2.479		4362	2939
2.494		13761	13249
2.527		14506	14392
2.545		53034	27949
2.571		147595	88631
2.592		3102	1212
2.615	TCX	28606420	16561320
2.658		248180	194796
2.786		912757	582957
2.832		242205	108892
2.846		599657	311179
2.898		2771218	1672720
2.948		72760	42752
2.987		6327	2911
3.009		143599	86678
3.086		5630	2719
3.105		920442	452925
3.116		317046	112597
3.156		138385	108392
3.177		85245	49603
3.203		314203	178367
3.227		1339343	879204
3.263		60034	35644
3.291		129800	65083
3.31		354594	182395
3.325		296564	145768
3.355		5219	2767
3.375		810076	352519
3.385		1507265	645072
3.405		51107	18150
3.418		1198255	799661
3.493		1472147	917591
3.528		847493	530724
3.552		998344	551907
3.57		331832	169775
3.656		1175078	759110
3.678		402038	221903
3.7		389493	223041
3.728		266938	134193
3.745		1054047	626924
3.786		376268	275048
3.834		70622	48998
3.855		701464	437401
3.878		1331220	846427
3.903		1244278	761213
3.922		51805	21258

RT B	Compound B	Height B	Area B
3.94		34131	18176
3.961		28739	13146
3.976		239314	151665
4.011		769312	536638
4.039		544526	331786
4.074		53249	67826
4.121		147816	120274
4.154		15472	9268
4.177		228877	159296
4.21		143242	96454
4.238		372428	275339
4.277		10551	10249
4.315		40522	20751
4.332		144562	94854
4.367		42311	29383
4.399		244472	175371
4.422		8809	3649
4.442		119785	84097
4.467		40344	25086
4.49		19941	13099
4.568		61036	87352
4.618		233396	185423
4.67		234544	187064
4.697		53473	42755
4.729		9620	4779
4.768		13538	13244
4.842		13149	20919
4.868		4330	4982
4.919		31417	24578
4.943		17803	12556
4.988		32215	36899
5.03		7326	5355
5.064		174059	142957
5.113		41987	34621
5.186		404596	350869
5.304		3130	2254
5.329		14515	12942
5.373		38763	41300
5.529		470566	398756
5.597		543706	461216
5.646		140000	124920
5.751		10839	8895
5.903		4111	3556
5.951		229364	201810
5.983		6409	4208
6.003		4269	2839
6.11	DCB	18891000	16397950
6.292		5816	10326
6.562		15023	17271
6.715		1423	786
7.332		1381	3828
7.427		1586	1537
7.546		1876	3219
7.681		1144	8275
7.715		1590	1479
8.217		16578	27774
8.468		1431	1779

AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082

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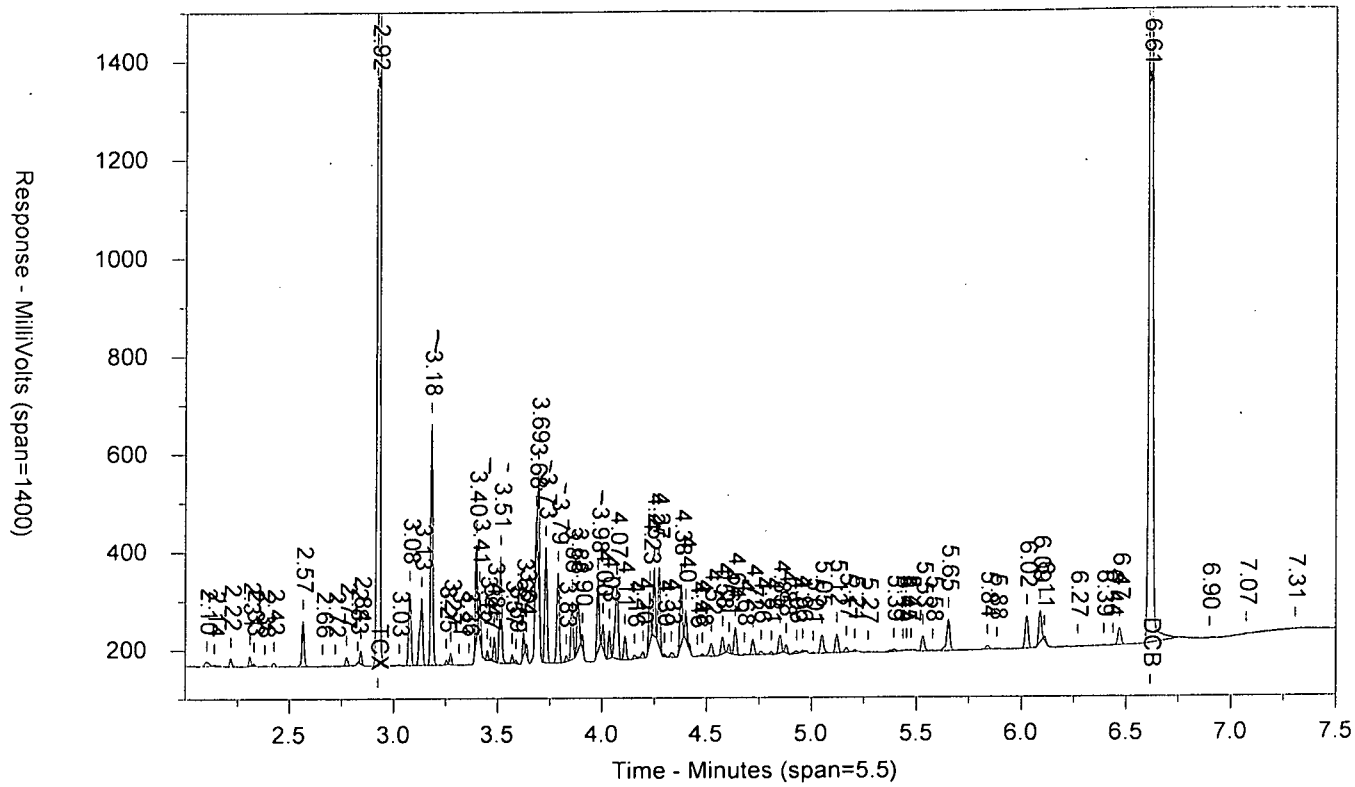

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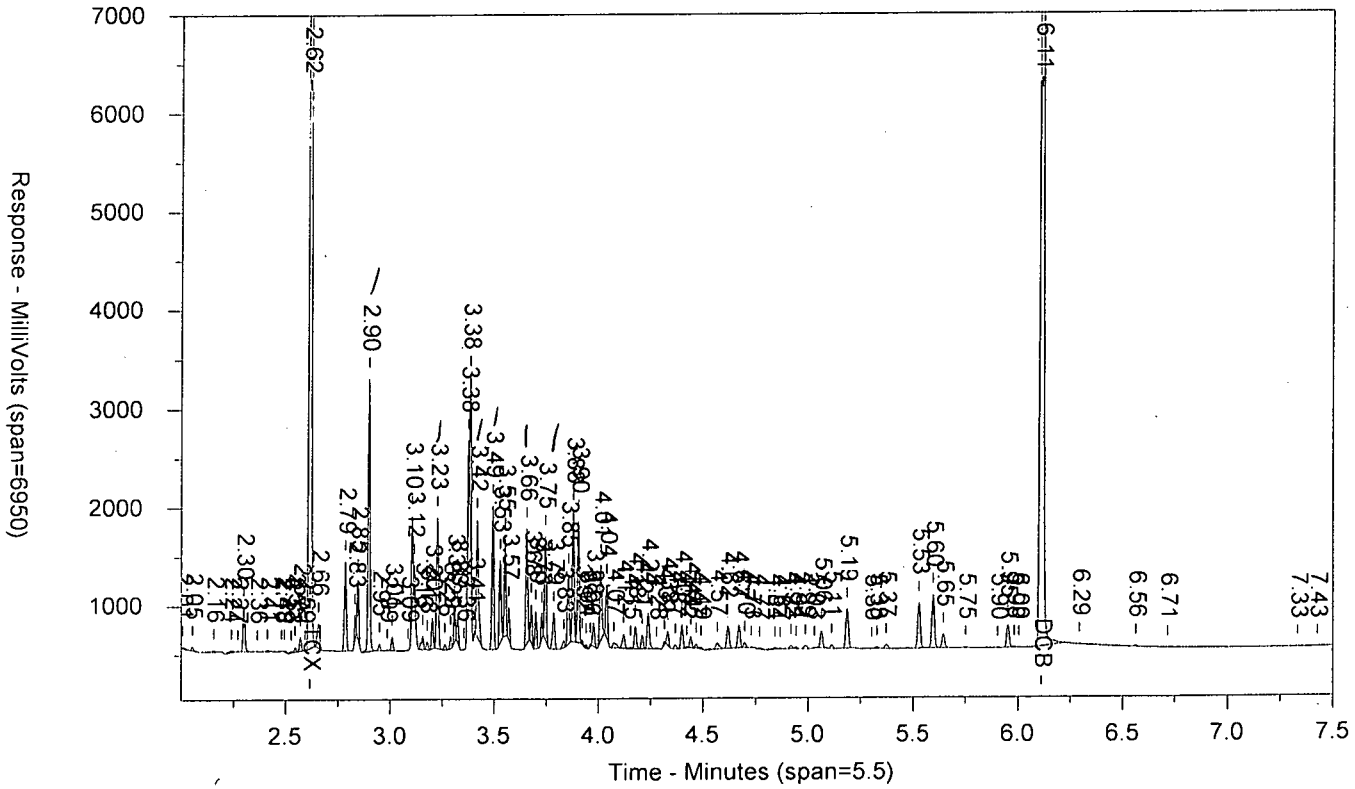


LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:06:30 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

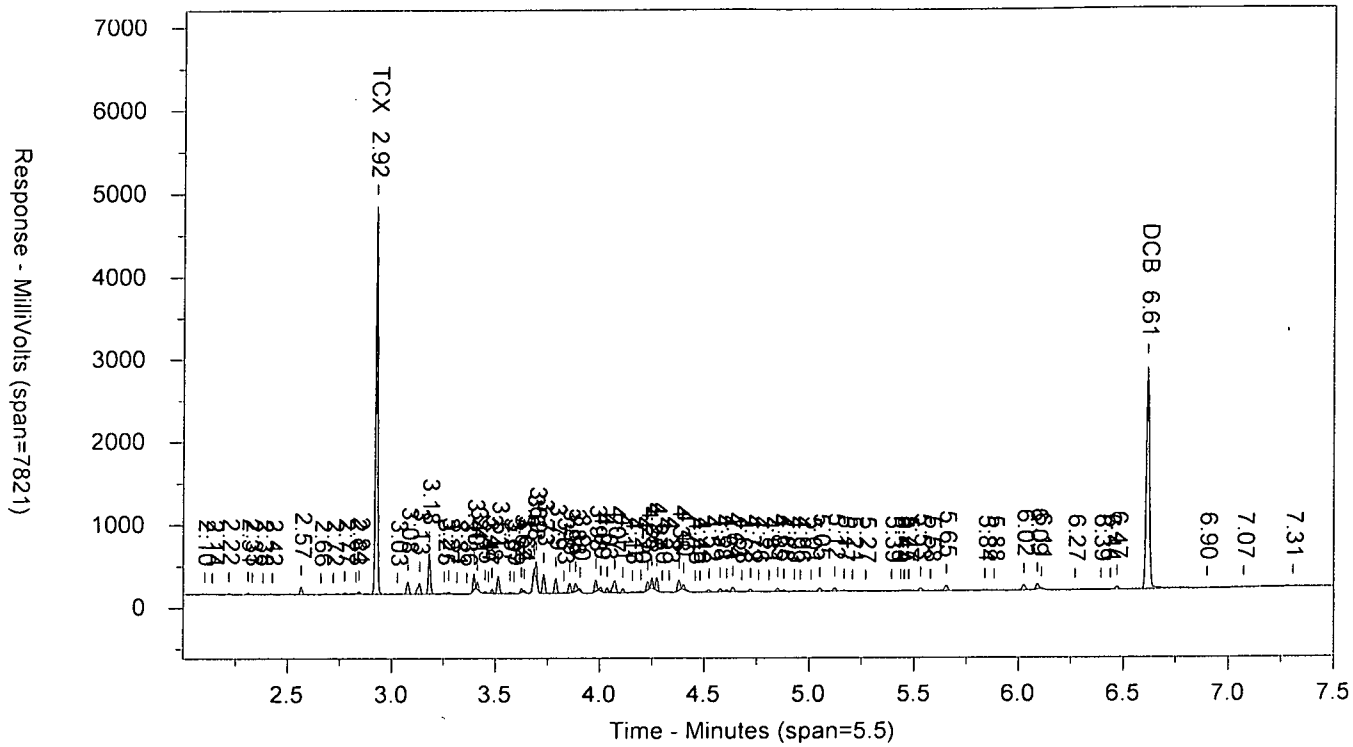
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4693937	41.305	TCX	2.615	28606420	41.38	TCX
6.615	2695301	39.167	DCB	6.11	18891000	38.776	DCB

Files:
Area File: 20pcbs17137001.025.RAW
Area File: 20pcbs17137001B.025.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:15:15 PM
File Reported On: 5/17/2017 at 9:15:22 PM

AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.025.RAW



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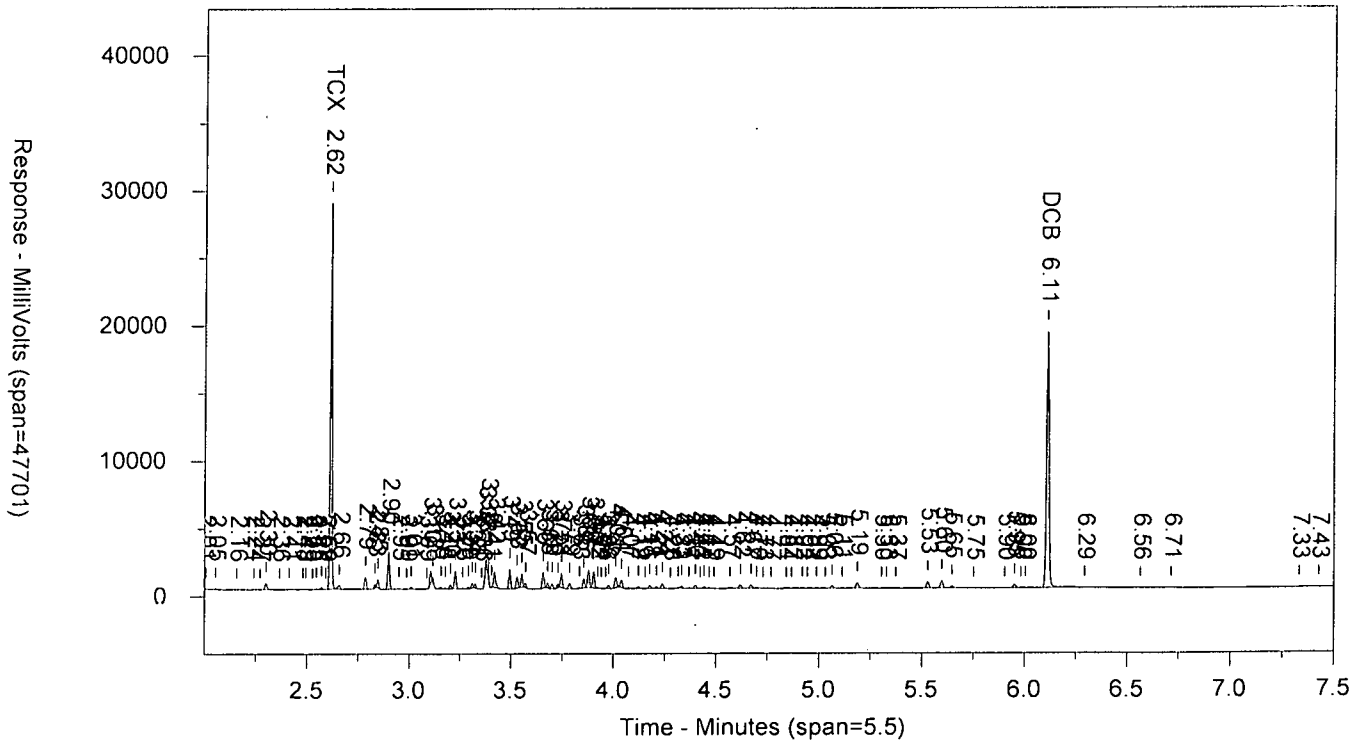

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:17:58 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.026.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.013		804	1563
2.103		3352	5432
2.217		16133	12696
2.309		7766	4695
2.328		5537	3478
2.38		1337	1490
2.424		2991	2549
2.502		2872	1923
2.549		1140	493
2.565		4340	2884
2.662		1552	1668
2.774		6971	5628
2.827		2023	1268
2.923	TCX	4631099	3086027
3.026		1126	564
3.076		73236	62529
3.132		81517	92374
3.181		351560	252396
3.253		8727	4925
3.274		44051	29288
3.313		1130	915
3.396		347157	206579
3.412		150754	79157
3.45		37706	22135
3.466		13267	5559
3.482		28312	16391
3.513		380135	283125
3.549		1514	814
3.568		14507	8357
3.587		19165	11315
3.622		76340	44692
3.637		37618	18026
3.682		136418	84322
3.693		335248	178458
3.729		427632	324685
3.788		334814	255329
3.827		27962	19319
3.855		230132	167074
3.883		172185	146966
3.904		53361	28668
3.979		273708	195270
4.003		93073	60150
4.033		103220	77325
4.069		279736	288602
4.109		90820	74267
4.154		16918	12844
4.194		23649	19505
4.227		201017	138752
4.248		254188	163003
4.271		311358	220991
4.296		3285	1811
4.335		19768	25004
4.377		225958	189435
4.399		100309	87288

RT A	Compound A	Height A	Area A
4.456		3089	2194
4.478		10937	8065
4.521		56523	53480
4.573		80134	69974
4.604		46054	34082
4.634		127022	109073
4.682		1483	1158
4.72		63384	57552
4.757		5542	3834
4.807		14269	12802
4.848		95458	87025
4.879		20098	15687
4.929		9222	10197
4.956		6837	4940
4.974		4554	2920
5.004		3463	2955
5.048		92229	87351
5.09		2208	1441
5.119		39214	37097
5.165		23876	21005
5.205		3038	2148
5.375		8678	8885
5.43		1078	884
5.471		1065	678
5.529		31364	30375
5.574		6096	5096
5.651		55377	55329
5.689		1131	978
5.837		4254	5116
6.023		58405	58143
6.088		57343	51122
6.11		8961	5097
6.221		3585	18000
6.274		1239	2496
6.385		2035	2862
6.467		33888	35694
6.614	DCB	2951359	2880783
6.672		2260	2557
6.853		1077	444
7.072		2838	3906
7.343		1384	28021
7.818		664	1969
8.68		3324	3133

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:17:58 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.026.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		2581	3497
2.054		39793	28734
2.118		3468	4422
2.157		7643	7965
2.186		2144	1006
2.204		20325	11353
2.238		11618	14156
2.272		3858	2859
2.3		26676	19751
2.34		2069	1198
2.41		10967	12148
2.453		2991	1591
2.476		4424	2819
2.529		13621	17031
2.546		25075	11997
2.571		9959	7830
2.615	TCX	27657480	16482220
2.658		153117	107887
2.704		5062	6848
2.785		455176	308119
2.833		258018	123128
2.846		325360	158120
2.898		1944532	1191914
2.948		67041	39764
3.009		250375	157207
3.067		1666	754
3.105		1590042	785119
3.116		538273	203353
3.156		253244	154327
3.177		157418	90314
3.203		205007	111447
3.227		2322301	1524464
3.263		144568	85674
3.291		103514	48978
3.309		592287	307414
3.325		382233	187710
3.353		5959	2604
3.375		1149152	513737
3.385		2651174	1120307
3.405		99681	39696
3.419		2283706	1518940
3.493		2610073	1583933
3.528		1644481	994787
3.551		1882698	1039464
3.569		631464	314126
3.655		2148996	1422633
3.677		773919	421048
3.698		787452	465017
3.728		519815	273301
3.745		1924911	1138926
3.785		691936	512848
3.832		144696	99743
3.854		1301849	823520
3.877		2567319	1627013

RT B	Compound B	Height B	Area B
3.902		2224092	1402401
3.922		111054	51885
3.94		97206	51692
3.96		48019	21116
3.976		523752	332815
4.011		1483237	1043618
4.039		1014942	603760
4.073		13474	8958
4.085		55766	31158
4.12		351308	272794
4.153		21781	12660
4.177		580706	437425
4.209		345104	238976
4.237		846849	604708
4.275		14412	14002
4.314		70534	37580
4.331		291070	191407
4.366		98269	70418
4.398		612854	448323
4.422		12300	5347
4.441		134424	88992
4.465		54171	31774
4.49		53181	39036
4.565		72847	65981
4.592		8926	4727
4.617		562128	441404
4.669		204960	162547
4.696		154251	137028
4.743		24886	18296
4.842		13453	19749
4.883		8808	6889
4.917		13833	9615
4.942		61480	48497
4.985		24305	24313
5.027		7496	4276
5.063		177404	140568
5.089		31445	20516
5.114		7132	4967
5.131		6889	4386
5.186		370585	313818
5.244		6540	6205
5.308		2479	2299
5.328		13893	47702
5.413		11014	40670
5.446		2161	2054
5.47		3711	3375
5.527		392424	342023
5.596		464362	410557
5.644		131930	120734
5.779		10583	30996
5.861		5706	18367
5.907		7326	7270
5.95		236363	198790
5.981		10782	7781
6.11	DCB	20304630	17259270
6.247		5015	4657
6.29		7104	25138
6.561		17587	16084
6.719		1275	1243
7.3		2053	1523
7.436		3326	10245
7.614		1745	2422
7.682		1695	3730
7.798		2004	2649
8.14		1621	1545
8.218		16549	31338

RT B	Compound B	Height B	Area B
8.664		4552	10743

AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082

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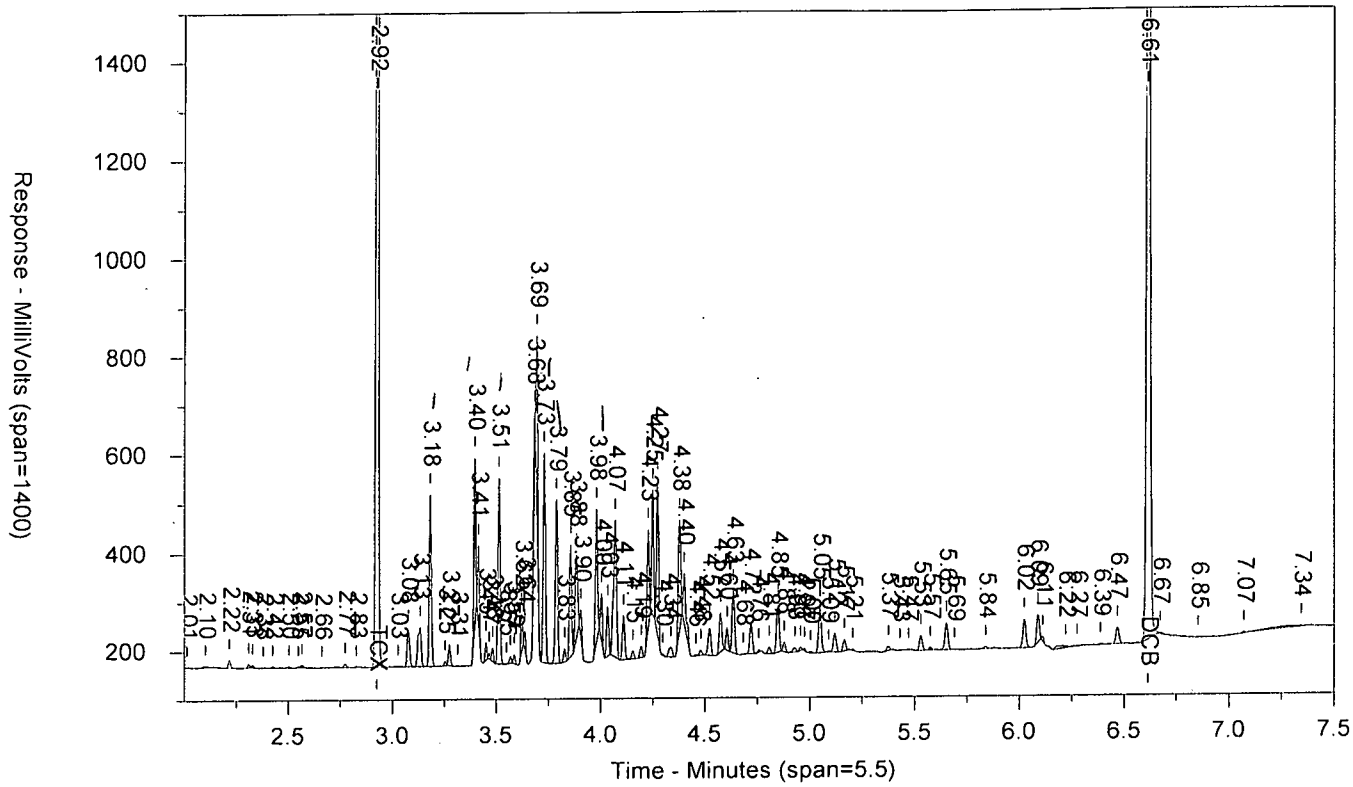

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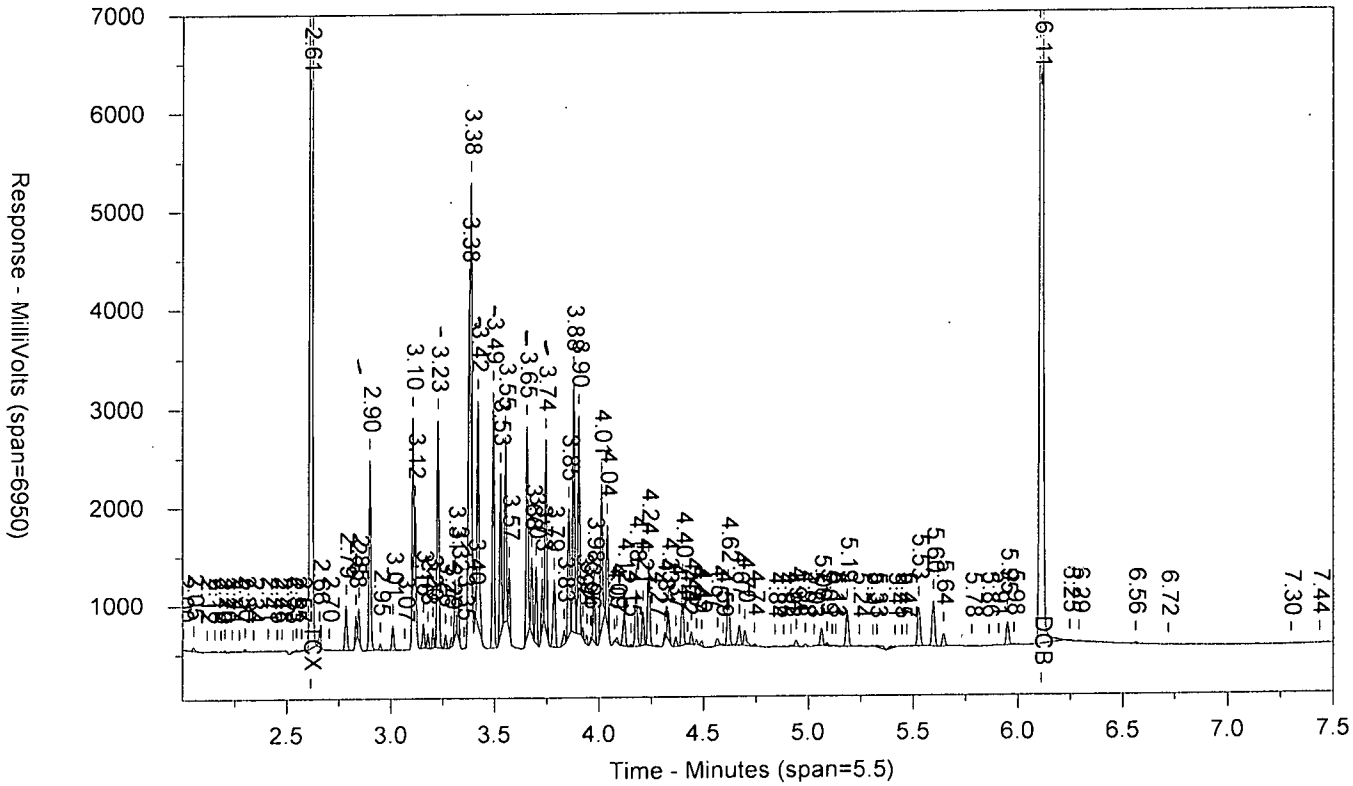

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:17:58 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	4631099	40.752	TCX	2.615	27657480	40.007	TCX
6.614	2951359	42.887	DCB	6.11	20304630	41.678	DCB

Files:
Area File: 20pcbs17137001.026.RAW
Area File: 20pcbs17137001B.026.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:26:41 PM
File Reported On: 5/17/2017 at 9:27:00 PM

AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082

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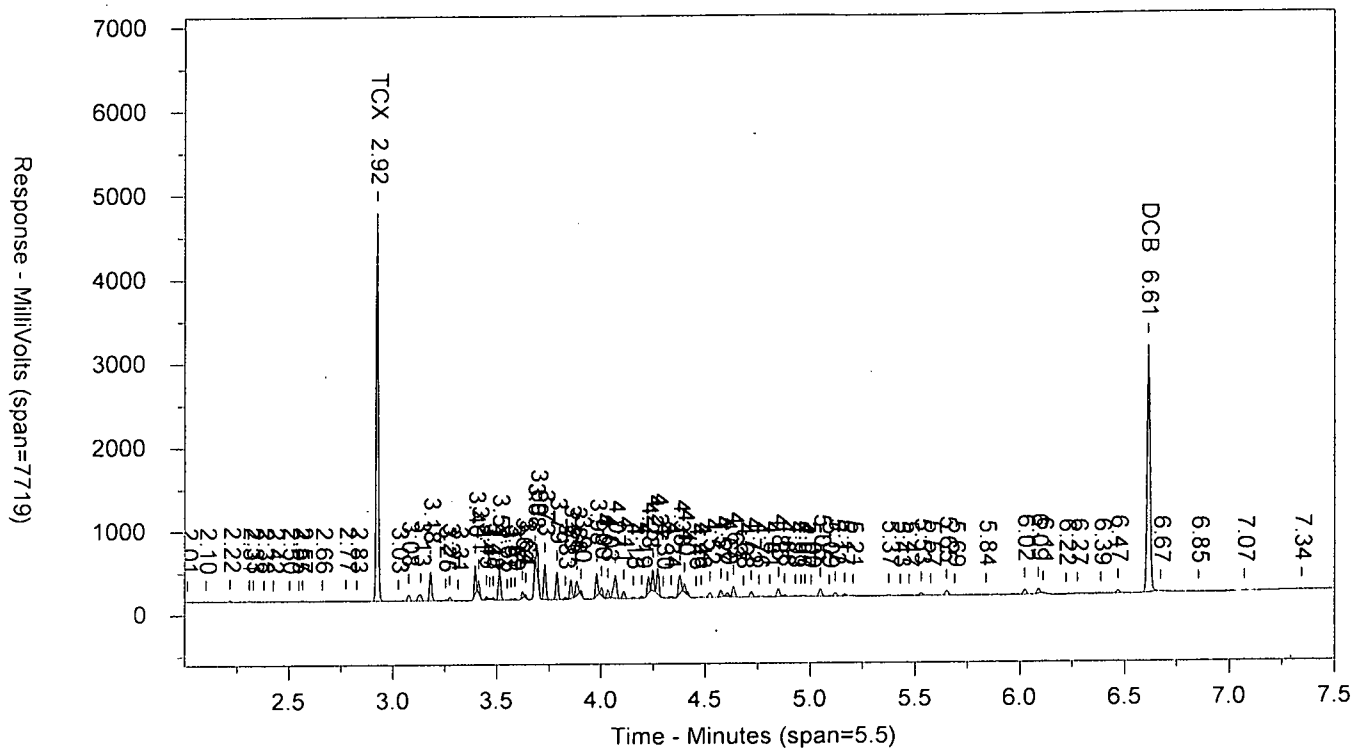

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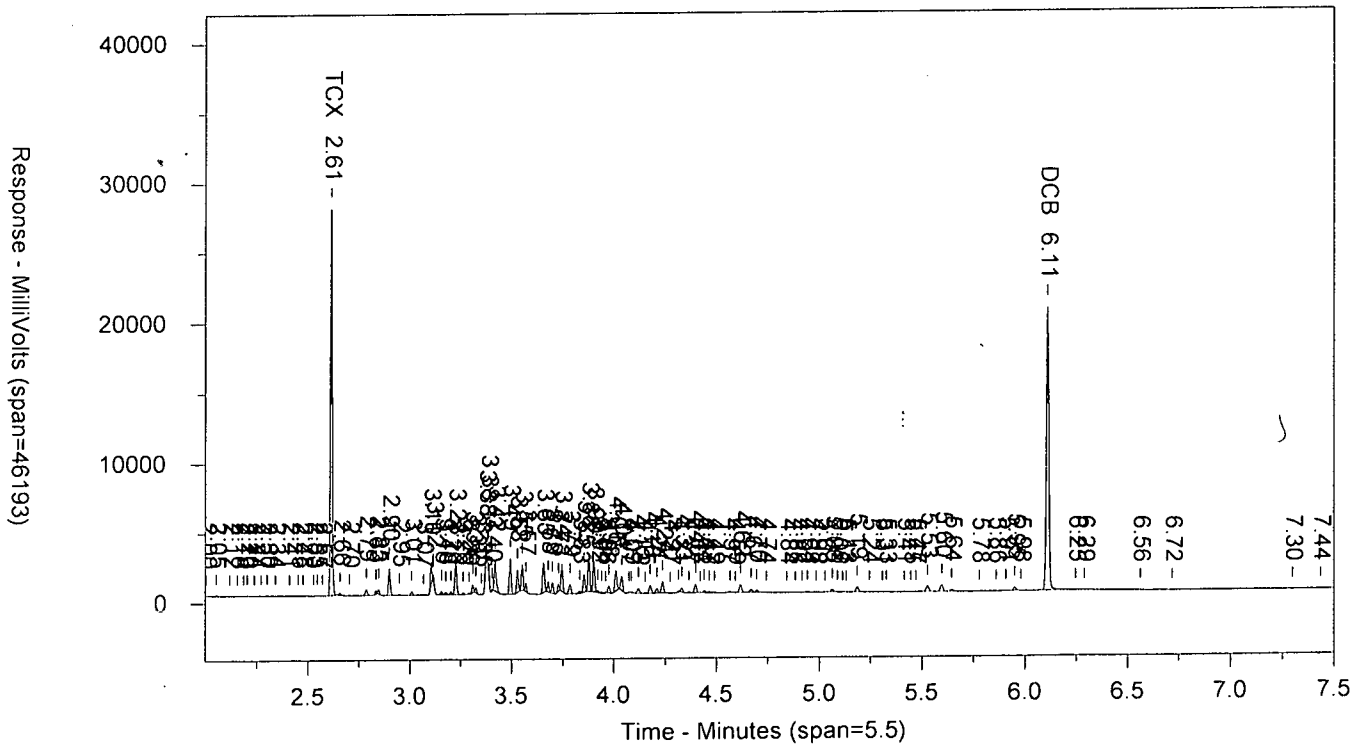

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:29:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.027.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		4889	7813
2.139		1851	2705
2.217		19199	14201
2.309		12148	7366
2.328		6105	3623
2.379		1371	1706
2.424		5147	4349
2.516		981	658
2.549		1872	1159
2.565		4901	3139
2.66		1667	1567
2.704		702	410
2.774		23989	19834
2.825		2706	1640
2.923	TCX	5224759	3548644
3.025		1268	823
3.076		90159	75246
3.133		109020	114357
3.182		445984	329501
3.254		8790	4965
3.275		58183	39481
3.315		1854	1502
3.364		2753	1959
3.397		453276	278419
3.413		202653	108329
3.451		54012	30805
3.466		15689	6633
3.483		40338	23177
3.513		496854	387058
3.549		1657	860
3.569		18623	10777
3.588		14751	8961
3.624		102296	61212
3.638		50078	24074
3.683		207697	119414
3.694		496861	259672
3.73		567327	429415
3.789		451778	357624
3.828		38601	26847
3.856		305625	224342
3.884		241561	202067
3.905		74202	43235
3.98		361716	265499
4.004		127818	81966
4.034		145847	104677
4.071		361875	381648
4.11		120093	99399
4.156		16521	13349
4.195		23603	20816
4.229		137539	97962
4.249		115535	74984
4.273		102773	71797
4.298		5880	3842
4.336		3958	4670

RT A	Compound A	Height A	Area A
4.378		35483	30492
4.4		5347	2666
4.477		1188	789
4.52		4253	5884
4.573		4791	4614
4.636		1957	1888
4.721		1765	1311
4.852		1987	1916
4.881		23447	20161
4.921		3541	4478
5.007		1871	1330
5.048		1966	1742
5.068		2034	1279
5.121		42538	43106
5.167		1068	930
5.208		3415	3871
5.381		4060	12014
5.41		707	432
5.435		1987	2934
5.473		2209	3175
5.531		35965	35953
5.601		2942	3002
5.653		65990	65728
5.84		3553	4494
5.88		1709	2193
6.024		67035	65793
6.059		14061	10890
6.089		67559	57292
6.11		10948	7516
6.215		10541	27271
6.268		5106	10569
6.396		1286	1714
6.436		1222	830
6.469		39822	39844
6.615	DCB	3073630	3291043
6.744		1787	1469
7.076		2210	2430
7.349		957	29598
8.27		664	489
8.382		389	2275
8.516		893	316
8.682		1945	1638

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:29:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.027.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		4806	5388
2.054		47727	31835
2.119		2968	2549
2.156		8100	8224
2.238		11418	19648
2.274		8915	4848
2.3		30225	19665
2.41		16923	16002
2.494		58836	128042
2.528		23384	29730
2.546		71819	43180
2.57		10616	6950
2.591		3117	1489
2.615	TCX	33005770	18905610
2.658		208709	141400
2.759		2510	1383
2.785		543149	356745
2.832		269827	128168
2.846		426091	214019
2.88		7167	3748
2.898		2553899	1541069
2.948		77157	44713
2.986		16085	8347
3.009		337620	204329
3.105		2190742	1071467
3.116		776859	300953
3.156		333749	212227
3.177		197679	112399
3.203		270556	151806
3.227		3271128	2083899
3.263		123465	68984
3.292		118383	56499
3.31		814505	424413
3.325		519971	252604
3.354		8914	4507
3.376		1594821	767255
3.385		3607330	1581576
3.405		127545	45747
3.419		3084391	1967532
3.493		3596888	2233229
3.528		2241483	1374788
3.552		2594920	1424190
3.57		829845	433870
3.656		3159143	1982421
3.679		1062224	575365
3.7		1014689	592834
3.729		723136	358352
3.746		2581542	1524135
3.786		905899	650725
3.834		117531	109881
3.856		684456	437119
3.878		1460233	934873
3.903		732663	440252
3.923		119634	62108

RT B	Compound B	Height B	Area B
3.94		19160	9489
3.963		8979	4460
3.977		57230	34585
4.012		82669	47155
4.026		83549	67338
4.075		53295	46877
4.111		5308	4710
4.134		5489	2739
4.154		35200	47106
4.208		18416	30989
4.239		15230	22220
4.313		4064	2606
4.333		10994	8342
4.371		5697	4423
4.399		11504	7518
4.442		164945	156782
4.532		2767	4081
4.569		7456	5152
4.623		21958	17795
4.645		11676	7333
4.672		161845	123152
4.722		5822	14334
4.745		9987	7295
4.766		3780	4382
4.817		3894	4328
4.844		12279	10847
4.918		13342	10620
4.944		7193	5219
4.986		25200	30280
5.03		6286	4064
5.064		217635	191208
5.107		3058	2260
5.186		438425	376586
5.307		3197	2344
5.33		7926	7137
5.373		7425	7810
5.429		3102	4005
5.475		2609	2718
5.528		493354	493265
5.597		588001	559750
5.646		179075	201452
5.751		3586	9793
5.843		6954	6775
5.905		5212	4809
5.951		270812	226300
5.982		7213	4774
6.004		4059	2985
6.074		2551	2110
6.11	DCB	22203290	19194930
6.208		5395	4375
6.289		4374	3813
6.339		3132	5276
6.562		18293	21632
7.434		1581	1603
7.734		2343	3142
7.849		2566	3980
8.223		17282	31577

AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082

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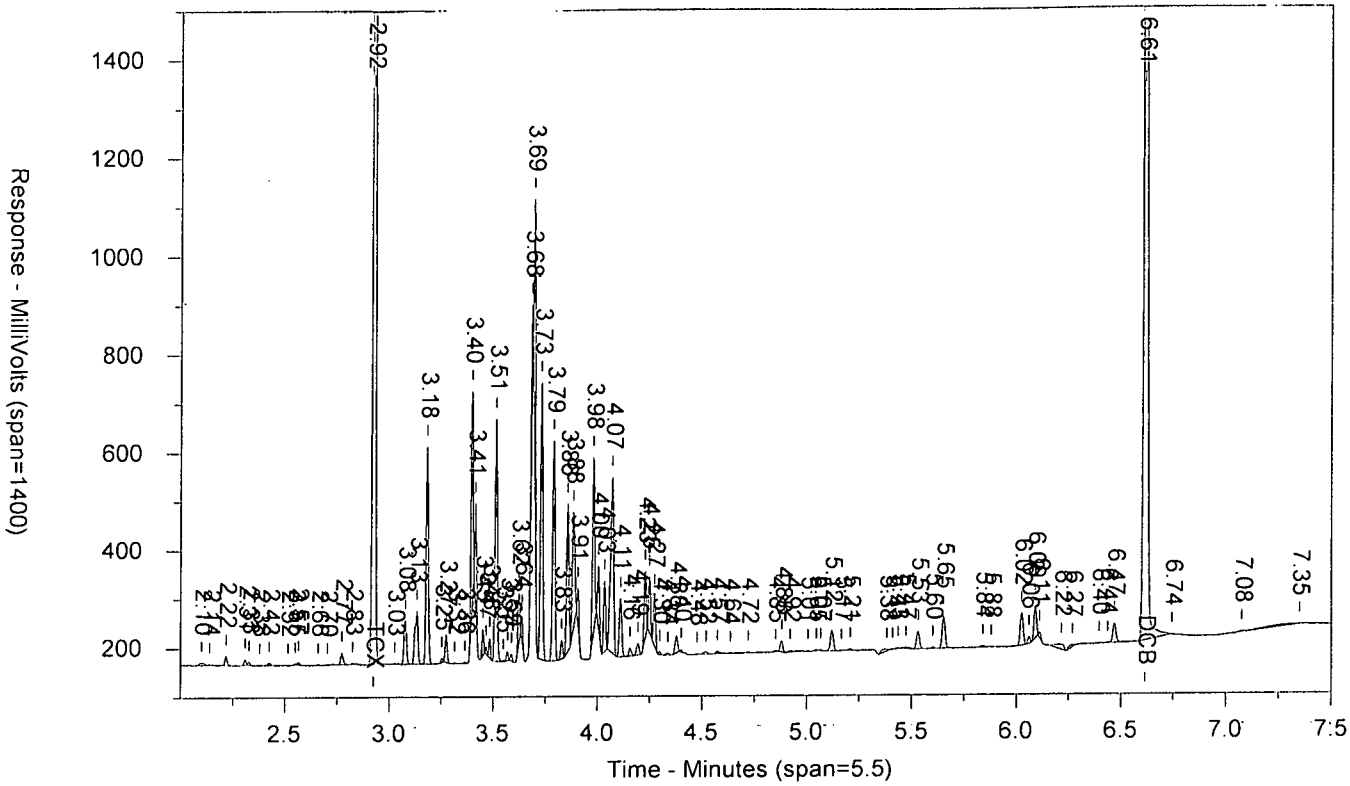

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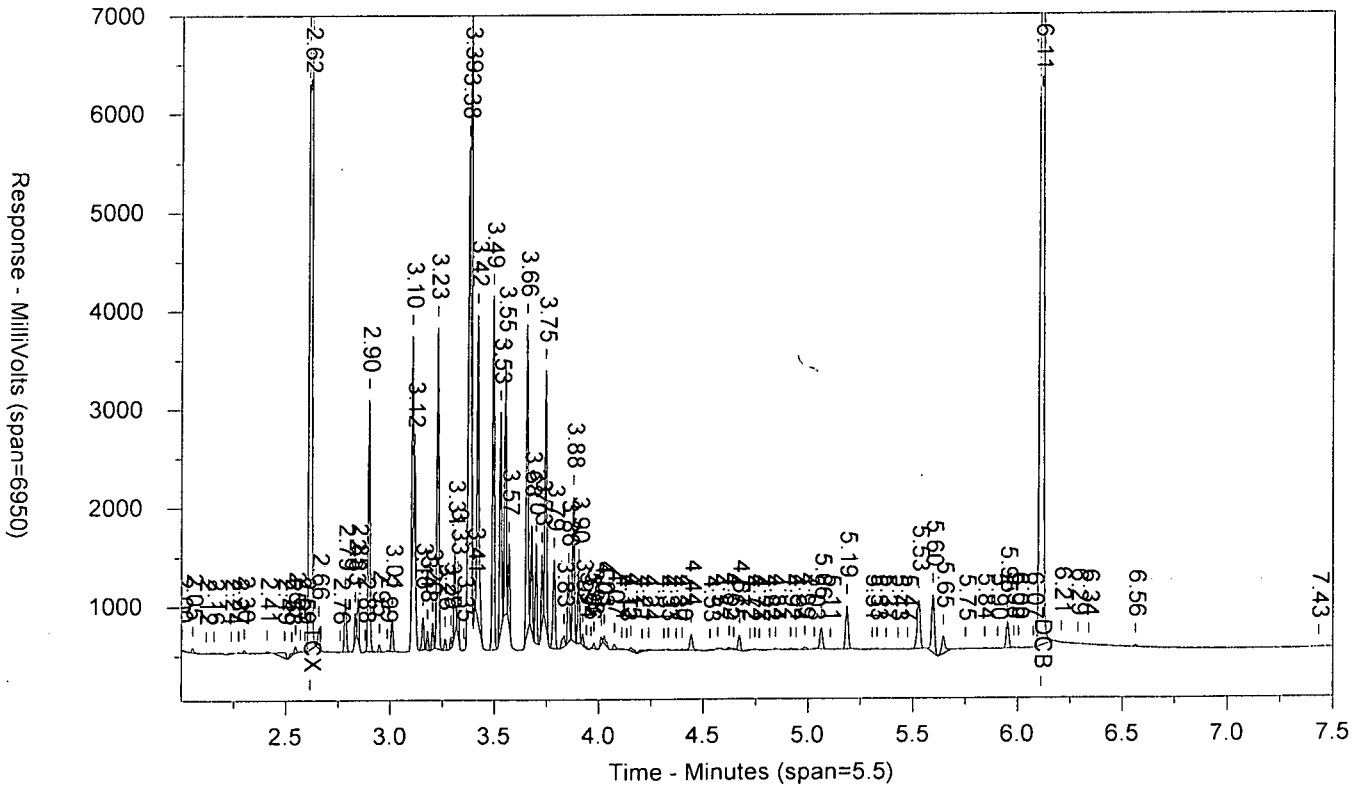

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:29:27 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	5224759	45.976	TCX	2.615	33005770	47.744	TCX
6.615	3073630	44.664	DCB	6.11	22203290	45.575	DCB

Files:
Area File: 20pcbs17137001.027.RAW
Area File: 20pcbs17137001B.027.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:38:11 PM
File Reported On: 5/17/2017 at 9:38:18 PM

AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082

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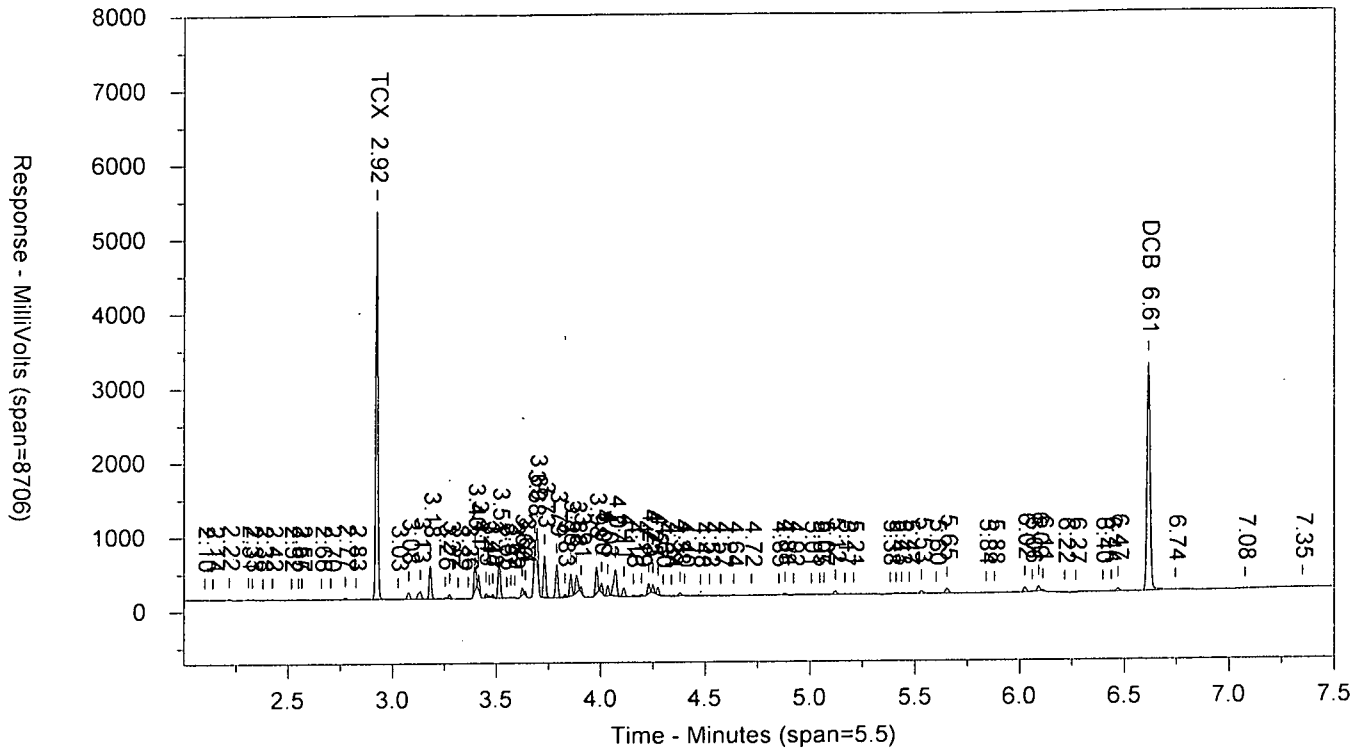

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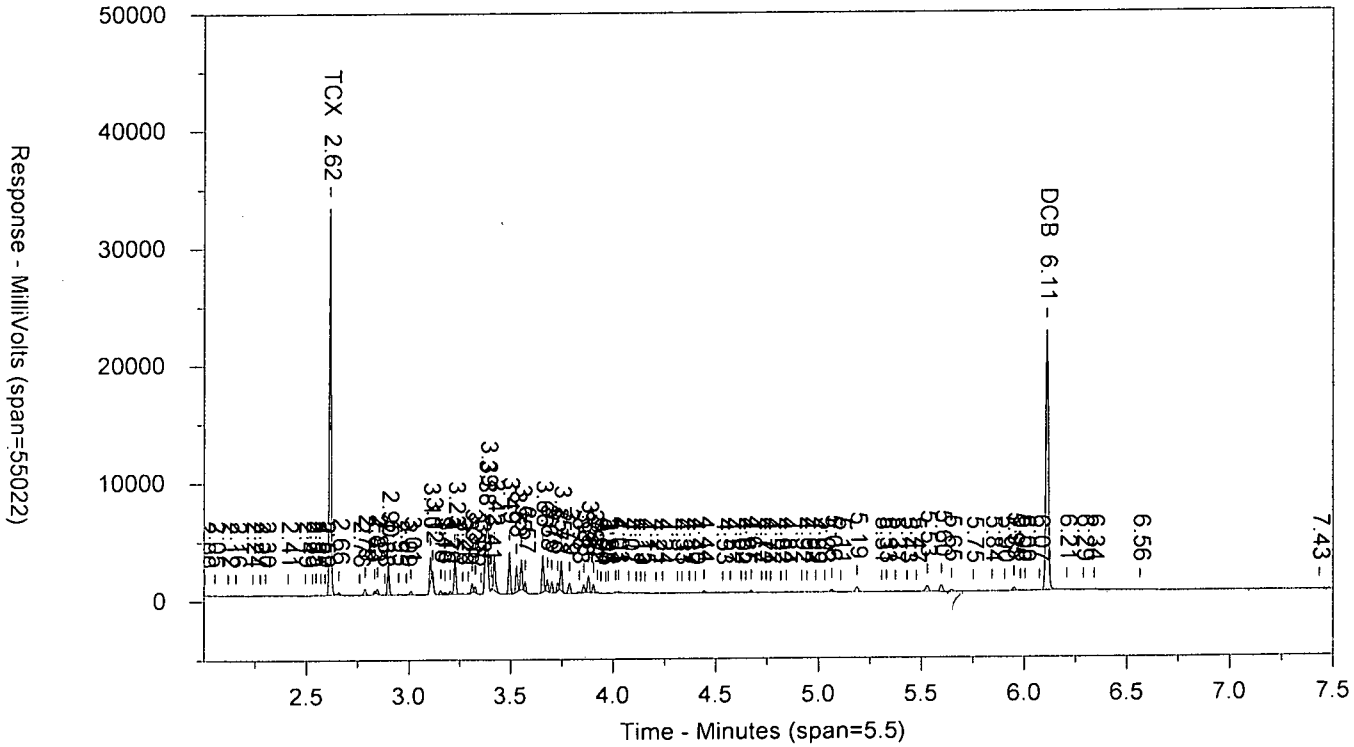

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:40:56 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.028.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.103		4185	7401
2.137		1391	2197
2.31		20450	13886
2.381		1213	1703
2.423		3823	3776
2.549		2790	2133
2.66		1211	1012
2.733		1440	2133
2.774		11713	9206
2.829		4022	3779
2.924	TCX	104337	72458
3.076		4308	3729
3.135		5423	4779
3.182		28781	22230
3.274		2772	2062
3.364		1232	1233
3.397		30287	17941
3.414		12854	6524
3.452		2597	1525
3.484		1901	1199
3.513		31759	25785
3.588		1024	854
3.624		5639	3136
3.668		4004	2265
3.683		14489	7286
3.694		28054	13422
3.73		32426	23976
3.789		25170	18483
3.829		1608	1038
3.856		20196	15239
3.883		14311	11705
3.906		3657	1904
3.98		21330	14896
4.003		6545	4073
4.035		7484	4997
4.07		20566	21314
4.11		5903	4965
4.175		843	771
4.194		2148	1609
4.229		24690	17860
4.249		5718	3227
4.271		4859	3220
4.299		8295	7885
4.338		2960	2639
4.383		27292	25020
4.481		659	634
4.518		5642	7516
4.575		2535	1450
4.59		5359	3437
4.635		16654	14294
4.681		23515	25893
4.72		5401	3728
4.757		54488	50525
4.8		1156	1167

RT A	Compound A	Height A	Area A
4.849		8808	10228
4.905		10306	11094
4.958		62920	78591
5.007		12191	10661
5.05		28920	31826
5.128		6253	8159
5.166		66848	65079
5.227		35367	30563
5.271		21012	21020
5.393		43290	67039
5.451		21444	19900
5.491		10146	9063
5.533		4148	4107
5.577		14111	12728
5.632		88125	93491
5.839		49417	54830
5.892		14476	28099
6.024		2768	3220
6.089		2112	1559
6.111		9173	9127
6.21		8288	24685
6.268		25759	31422
6.314		2032	2478
6.404		1026	1322
6.471		5184	5662
6.616	DCB	73233	76478
7.393		848	59496
8.025		465	945
8.163		613	930
8.312		913	1807

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:40:56 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.028.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		4977	7558
2.114		3388	4692
2.156		13835	35727
2.239		13347	25117
2.301		2268	2249
2.343		2174	1886
2.412		16988	17076
2.476		4048	2808
2.495		11128	9800
2.527		8650	8843
2.546		40077	21128
2.574		2893	3357
2.591		4253	2379
2.615	TCX	634514	365193
2.659		11545	9286
2.697		6686	9607
2.785		28157	18500
2.832		4802	2198
2.846		30918	18989
2.898		167049	111881
2.985		6077	3720
3.009		19093	11158
3.105		143686	71120
3.116		46250	18325
3.157		11553	6963
3.178		14753	10082
3.202		17305	9333
3.227		203321	131696
3.264		7850	4050
3.279		4940	1670
3.31		43655	21110
3.325		115084	61585
3.354		5593	2627
3.375		123175	52857
3.385		207631	86152
3.418		195415	141939
3.493		207284	130396
3.528		158422	94870
3.552		172829	96128
3.57		48518	22938
3.656		187525	120123
3.678		73118	41610
3.7		64543	40300
3.728		44934	22479
3.745		148941	87768
3.786		51369	37895
3.829		11141	11637
3.855		37155	22849
3.877		201499	133386
3.903		40282	22538
3.923		6333	3027
3.94		25749	15107
3.976		178760	122151
4.01		8429	5118

RT B	Compound B	Height B	Area B
4.025		14188	8891
4.074		54168	46662
4.112		8093	4563
4.176		35294	21572
4.221		30461	17572
4.238		43607	21118
4.251		103873	56493
4.276		66204	66069
4.33		362834	275442
4.372		7336	6615
4.399		36966	24780
4.423		79399	58941
4.466		408948	324377
4.526		3971	4442
4.568		322761	328412
4.622		40934	30517
4.658		92399	78858
4.697		387388	340203
4.729		202040	142597
4.768		140512	112872
4.842		5659	8125
4.867		39116	27102
4.919		254328	200179
4.942		36370	23329
4.993		134403	122325
5.028		65858	54879
5.059		47881	40847
5.09		21367	12287
5.113		508939	435556
5.154		12382	8865
5.185		27951	22650
5.305		6296	4250
5.328		118448	96990
5.373		317703	352812
5.528		19472	20452
5.572		11481	8726
5.596		37901	46975
5.646		85827	120960
5.696		2541	2214
5.752		140954	117357
5.783		8283	5699
5.833		4212	3805
5.917		3148	2585
5.951		40935	33426
6.109	DCB	492123	455333
6.232		1616	1149
6.307		1788	2164
6.717		2632	3516
7.556		1816	4284
8.222		16408	31334
8.363		1344	2515

MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082

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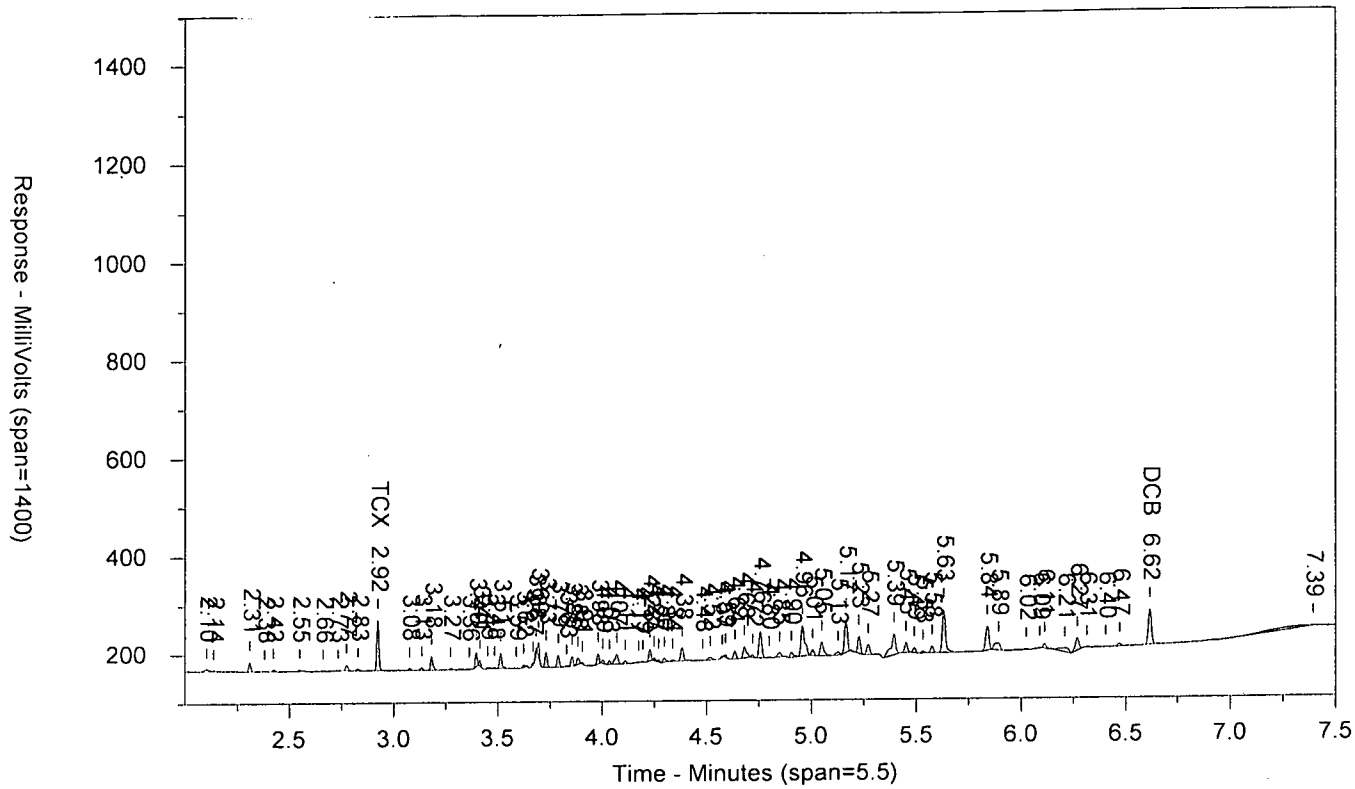

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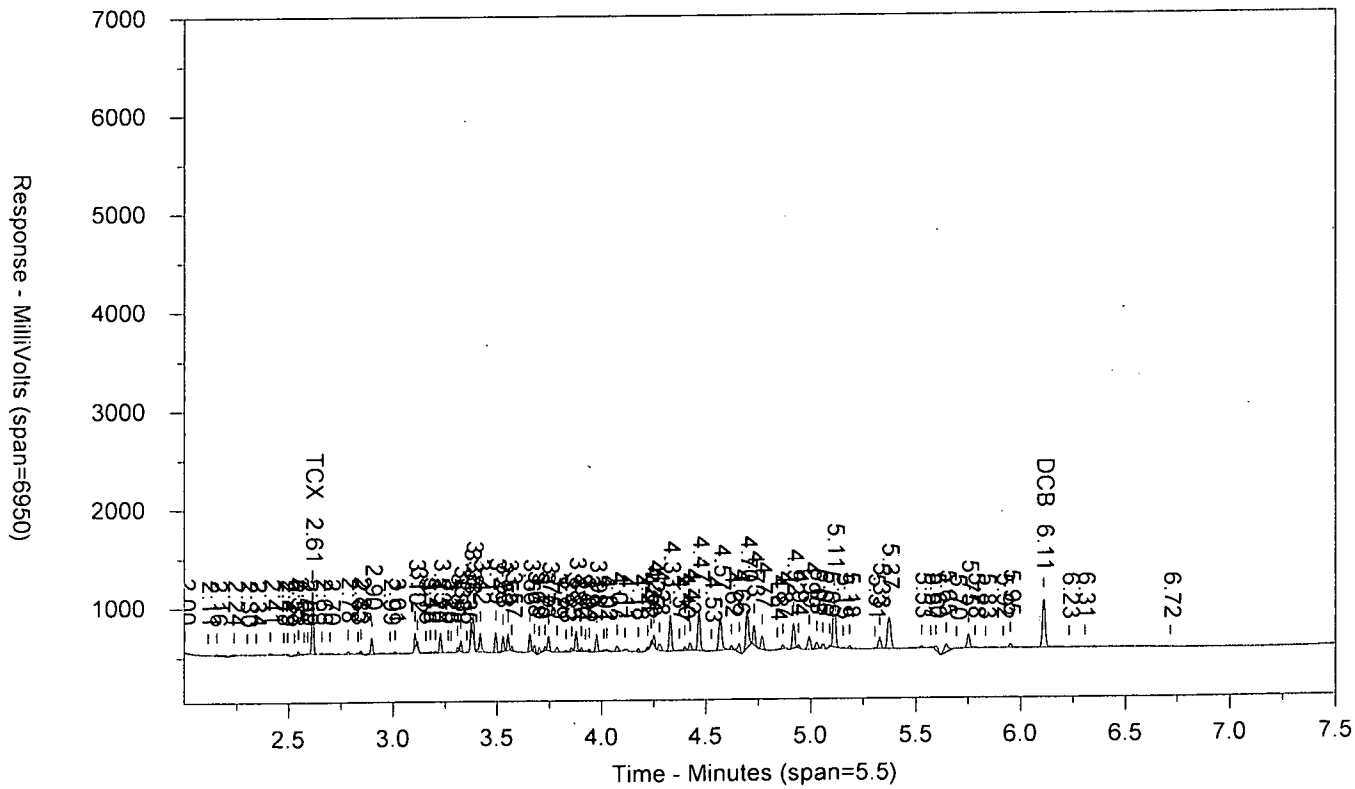

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:40:56 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	104337	.918	TCX	2.615	634514	.918	TCX
6.616	73233	1.064	DCB	6.109	492123	1.01	DCB

Files:
Area File: 20pcbs17137001.028.RAW
Area File: 20pcbs17137001B.028.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:49:40 PM
File Reported On: 5/17/2017 at 9:49:47 PM

MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082

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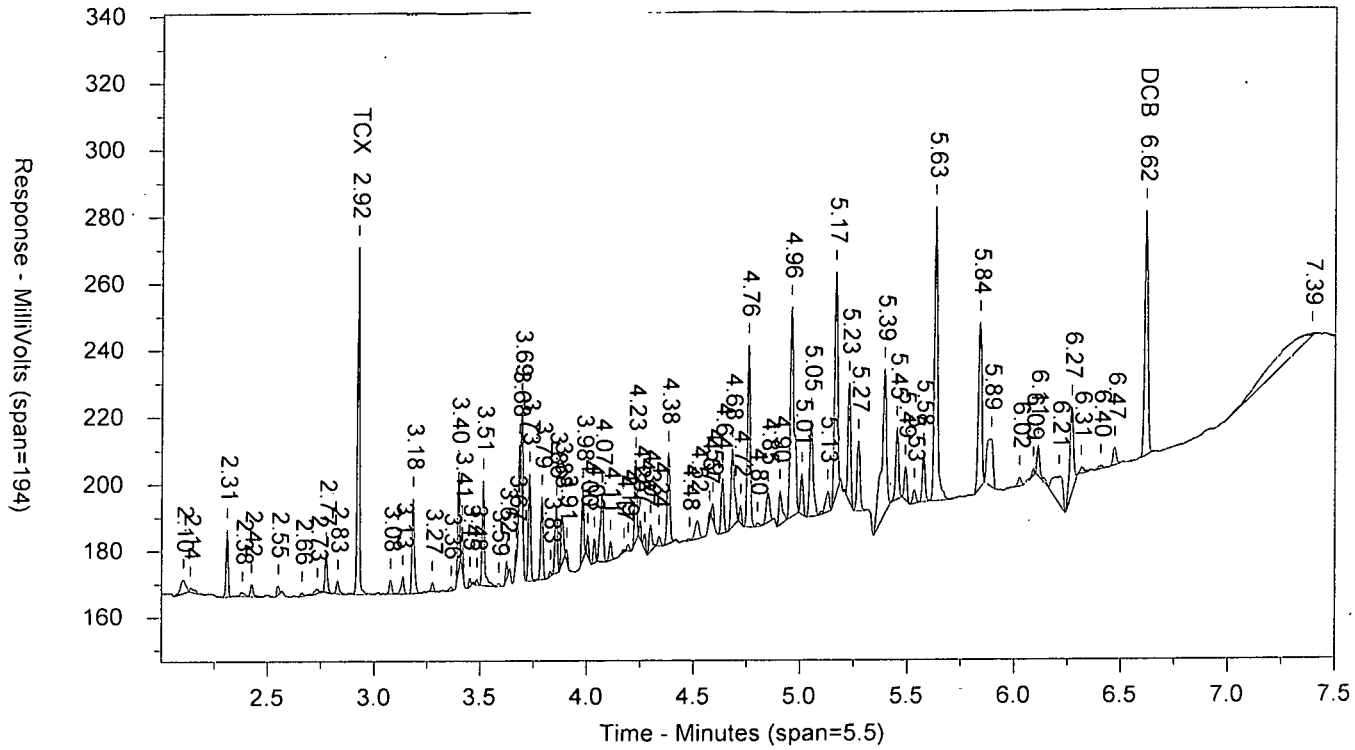

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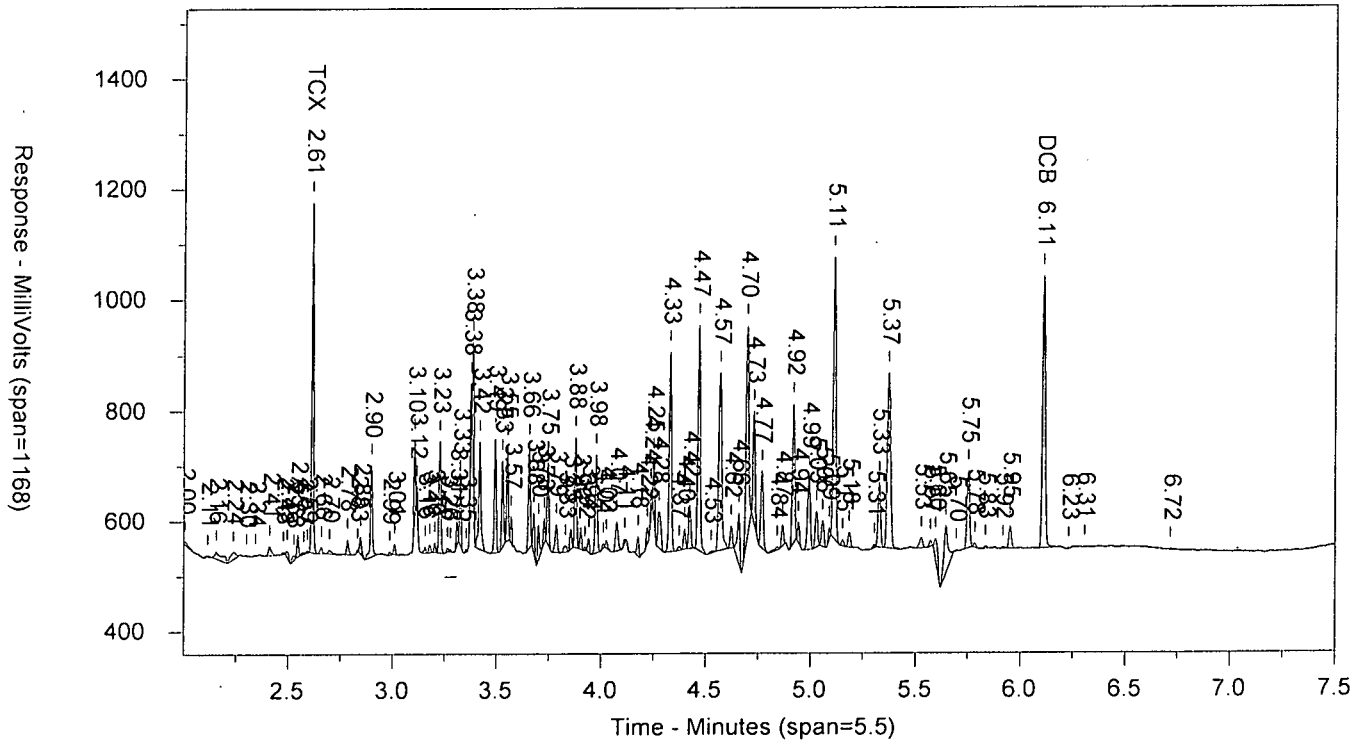

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:52:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.029.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		4145	7393
2.218		16329	12322
2.31		15571	9620
2.329		5136	2848
2.425		3178	2462
2.477		682	477
2.549		1336	802
2.565		4305	2706
2.662		1476	1269
2.722		1219	1494
2.774		19187	15104
2.827		3141	4168
2.924	TCX	4551063	3097022
3.027		1300	1089
3.077		83039	68084
3.133		95784	101172
3.182		413957	299018
3.255		8554	4764
3.275		58253	37747
3.315		2169	1553
3.397		441475	268126
3.414		200931	108215
3.451		51791	28920
3.466		16225	6763
3.483		35602	20736
3.513		477936	361818
3.548		1791	882
3.568		15852	9345
3.587		17790	10553
3.624		101206	56475
3.638		45944	22623
3.683		213347	117389
3.693		432008	222623
3.73		524621	403718
3.789		438907	337817
3.829		35479	25213
3.855		299635	223771
3.883		230688	197487
3.905		61746	33518
3.98		339457	248242
4.004		112799	73126
4.034		126128	90734
4.069		276720	296565
4.11		83987	67329
4.156		8080	5433
4.193		12491	9319
4.228		278314	217359
4.249		41931	22721
4.272		53194	36848
4.296		5011	3540
4.339		47497	40483
4.382		353620	319831
4.417		8058	5054
4.478		5336	4526

RT A	Compound A	Height A	Area A
4.518		75626	77681
4.575		22432	16064
4.589		89237	63378
4.635		209937	181477
4.681		365470	401217
4.718		84519	60221
4.757		811353	757113
4.799		14470	13208
4.847		104233	117864
4.88		24300	16962
4.905		135115	120639
4.957		914616	1167754
5.007		182793	164319
5.051		432552	482880
5.093		6392	3689
5.128		101935	126398
5.165		1057748	1147151
5.228		530716	479808
5.272		324601	317313
5.37		40906	40543
5.393		574254	513012
5.451		288129	287075
5.491		153608	136319
5.532		60338	57041
5.575		192782	189781
5.632		1436554	1545983
5.719		1630	1454
5.839		822771	837952
5.877		83157	90553
5.892		64520	41466
6.024		82656	82942
6.089		60810	45940
6.11		134248	110511
6.269		332981	335409
6.315		22389	21103
6.468		139690	145971
6.616	DCB	2535823	2688722
6.749		1530	1210
6.928		913	2541
7.074		1822	2632
7.366		996	29821
7.936		545	391
8.042		374	1596
8.259		609	2206
8.312		614	677
8.679		3250	3523

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:52:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.029.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		2031	1614
2.054		39027	25088
2.154		9637	11183
2.202		7431	3158
2.238		11306	24866
2.3		27691	19311
2.363		10712	9522
2.411		11060	12621
2.453		4274	2683
2.493		4184	4867
2.527		7091	5872
2.546		63717	39538
2.57		6048	3355
2.589		2261	1136
2.615	TCX	28492550	16492770
2.659		187694	130399
2.696		4728	5946
2.786		499892	333586
2.833		249664	115034
2.846		373180	183501
2.899		2304468	1411858
2.949		66527	39761
3.009		322351	200613
3.105		3059895	2910779
3.156		324246	205947
3.178		195573	109861
3.203		247132	135742
3.227		3037760	1956622
3.264		137142	84912
3.292		101802	48906
3.31		755081	396456
3.325		478599	237411
3.352		5799	2630
3.375		1893682	817239
3.385		3433151	1490273
3.405		121398	48762
3.419		2958058	1915810
3.493		3505199	2106020
3.528		2204346	1354987
3.552		2625198	1427468
3.57		781834	400828
3.656		2817777	1834185
3.678		1019792	535067
3.699		942233	542867
3.728		663838	337417
3.745		1940989	1077435
3.786		621078	438756
3.833		131300	119734
3.855		267377	167491
3.877		2257443	1485614
3.902		343667	203551
3.923		48229	22951
3.941		309922	187917
3.976		2259513	1542534

RT B	Compound B	Height B	Area B
4.01		112149	68577
4.025		153732	97275
4.073		42070	27066
4.112		369094	377199
4.154		35386	20837
4.177		556668	378318
4.22		595693	363388
4.238		396997	197630
4.251		1733271	981147
4.277		1003132	995926
4.329		5612597	4135813
4.372		115793	110012
4.399		387839	257561
4.423		1141861	807237
4.442		39685	14346
4.466		6334442	4707600
4.518		3792	2124
4.569		5133244	4908144
4.622		648667	541488
4.66		1451879	1276893
4.697		6161358	5131987
4.729		3278786	2279513
4.767		2237805	1690688
4.829		8065	9237
4.867		794830	763743
4.918		4212881	3299150
4.942		452315	287772
4.992		2107478	1945486
5.028		1036344	831428
5.059		841636	746072
5.09		262451	155070
5.112		9220518	7486408
5.153		180800	138445
5.186		626744	538893
5.304		106323	64997
5.328		1888249	1567116
5.373		6206865	6538494
5.49		5643	3494
5.528		565995	498753
5.572		134535	92914
5.596		505308	412923
5.645		1141401	993373
5.752		2288098	1926846
5.783		125352	91151
5.951		954898	841165
6.003		3244	1855
6.067		3491	2388
6.11	DCB	17578490	16215750
6.288		10422	18386
6.343		3440	4073
6.562		13078	14394
7.552		1731	3028
7.68		1743	2044
8.223		16889	32104
8.305		1474	1191

IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082

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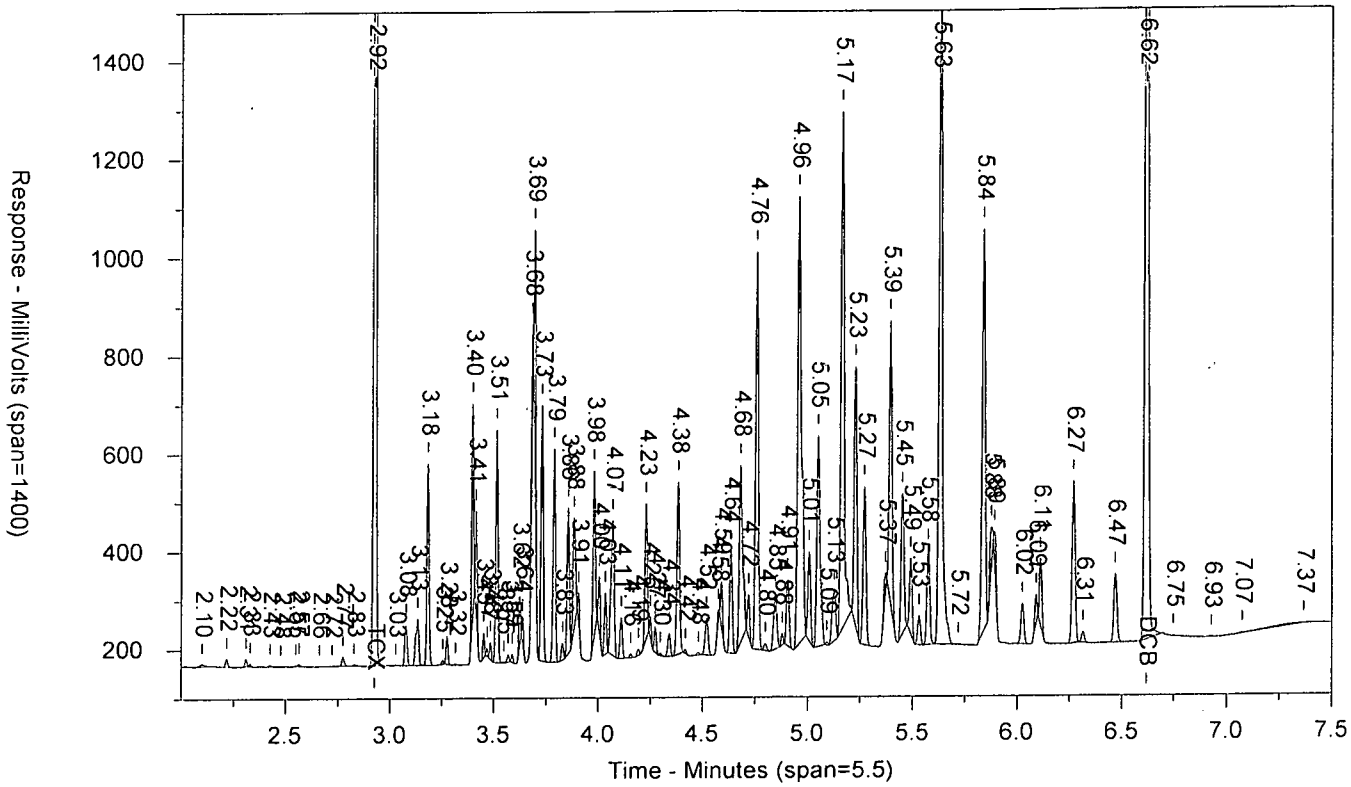

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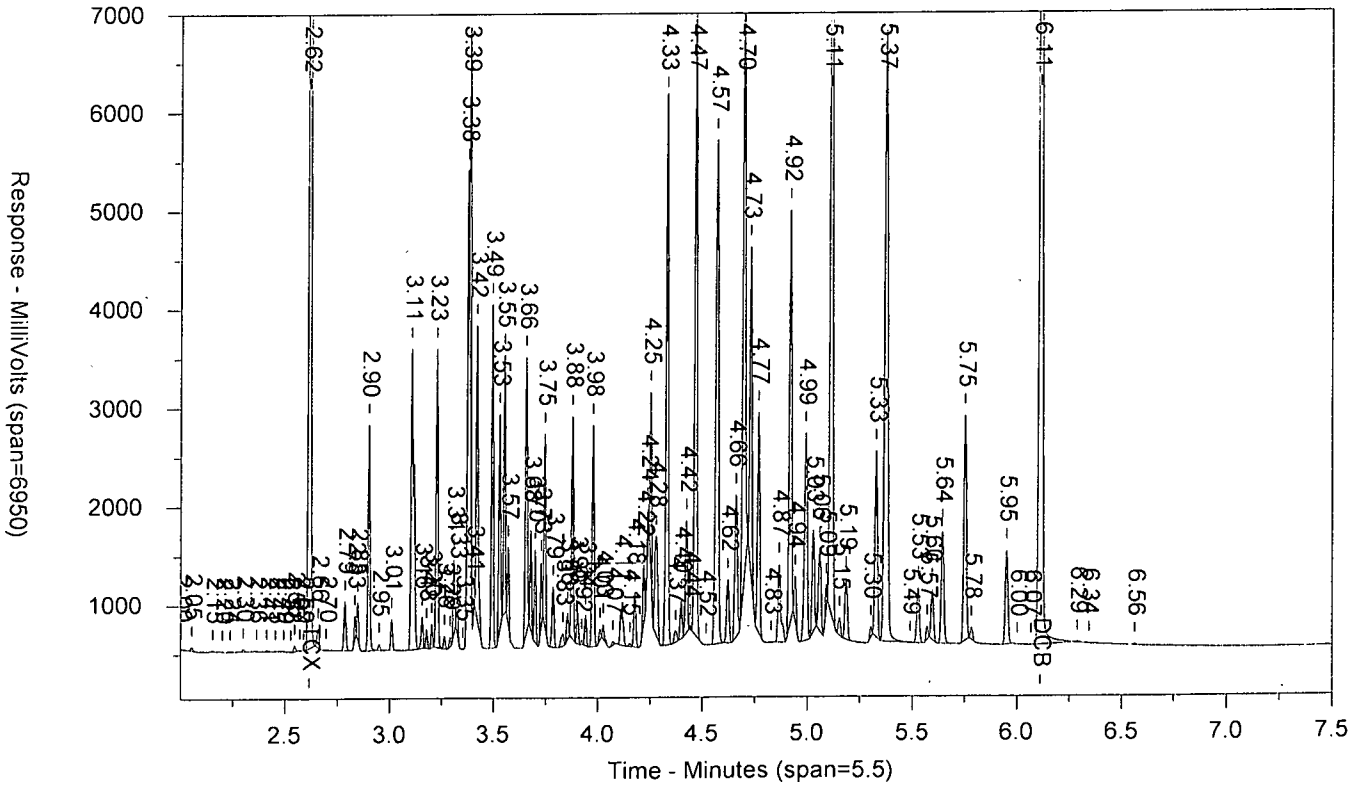

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:52:27 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4551063	40.048	TCX	2.615	28492550	41.215	TCX
6.616	2535823	36.849	DCB	6.11	17578490	36.082	DCB

Files:
Area File: 20pcbs17137001.029.RAW
Area File: 20pcbs17137001B.029.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 10:01:12 PM
File Reported On: 5/17/2017 at 10:01:19 PM

IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082

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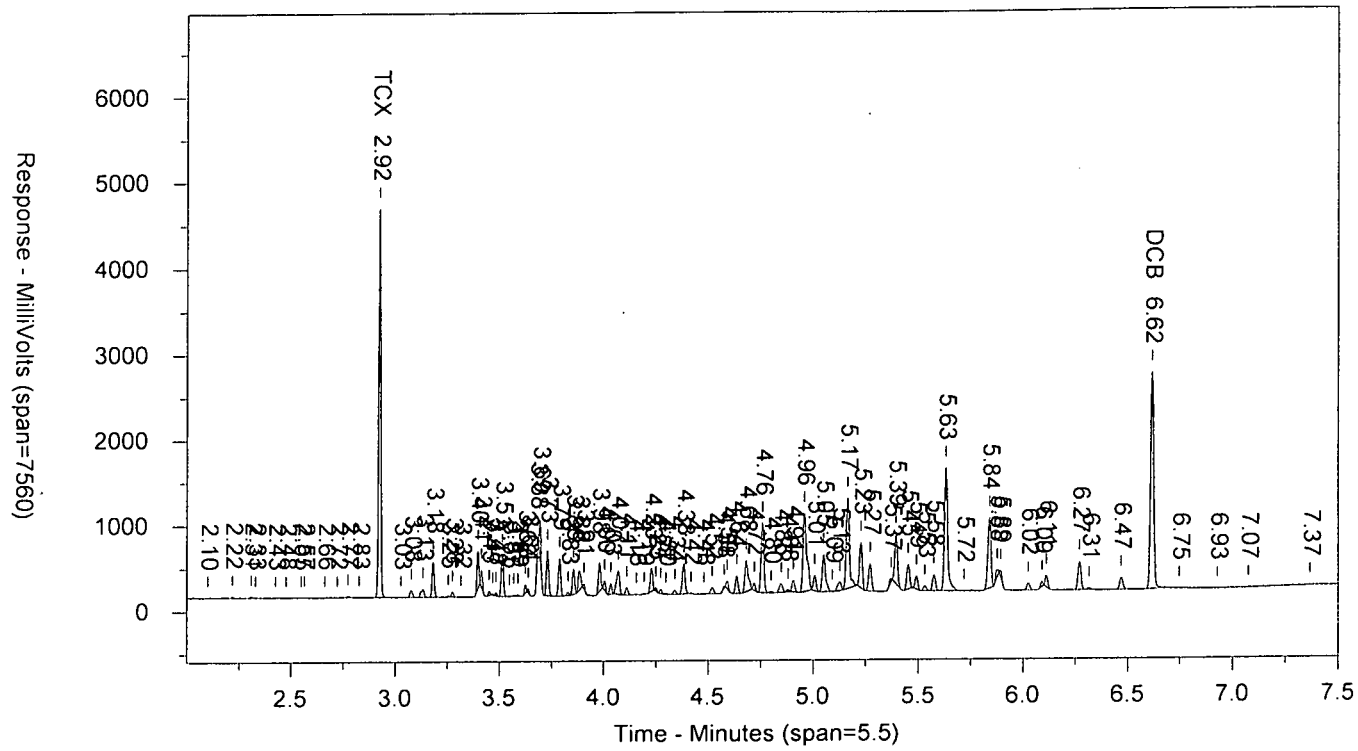

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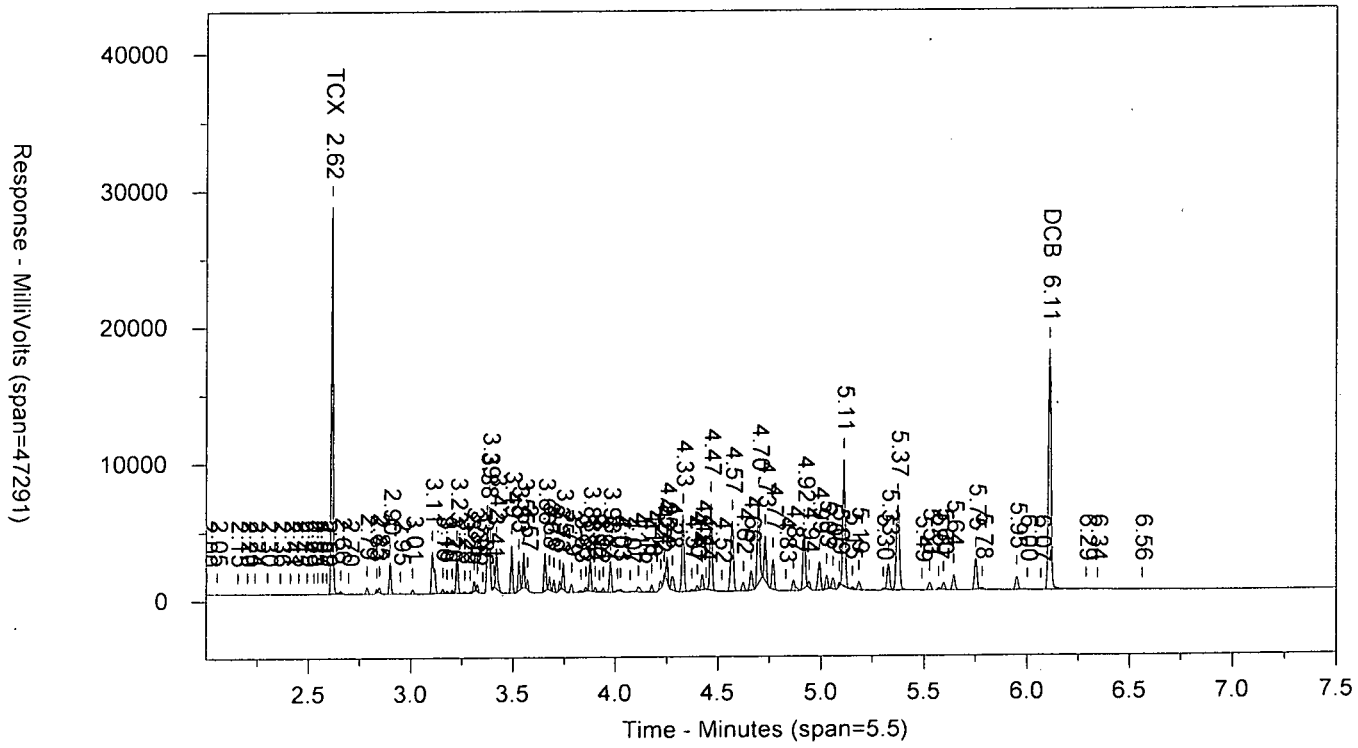

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:03:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.030.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		5699	11729
2.218		15839	11993
2.31		26424	16117
2.329		4749	2434
2.425		3699	2888
2.461		1015	1816
2.504		1214	824
2.551		1792	1273
2.568		1119	617
2.774		24697	20662
2.83		3005	2835
2.924	TCX	4670822	3112688
3.011		1011	455
3.078		17019	14495
3.123		61768	47158
3.182		67573	47290
3.254		9214	5427
3.275		13748	8640
3.397		216984	132408
3.414		60198	31898
3.451		13230	7593
3.467		4670	2140
3.483		2607	1352
3.514		185744	140699
3.569		16545	9272
3.587		13304	7723
3.624		35009	20169
3.638		8116	3713
3.683		164778	89431
3.694		155074	78604
3.73		233498	185672
3.788		228655	183968
3.829		36509	25209
3.856		422380	311718
3.882		276602	228113
3.905		91117	50228
3.98		487449	361536
4.004		137486	88978
4.034		179679	130271
4.07		437553	402626
4.11		148088	115578
4.156		15570	12124
4.195		42958	36990
4.228		409490	285788
4.249		504872	331505
4.272		559698	403331
4.339		51076	46814
4.378		481994	418729
4.4		124790	67493
4.416		67294	37840
4.457		8487	5563
4.479		27675	21943
4.522		147163	137185
4.574		220103	188411

RT A	Compound A	Height A	Area A
4.605		128116	94872
4.635		370920	326558
4.68		4021	2759
4.72		149165	131081
4.757		26934	33569
4.808		37186	32815
4.85		249869	235021
4.88		14927	11176
4.929		21153	25154
4.957		16563	11171
4.974		14648	9995
5.007		1762	1487
5.05		249636	241666
5.092		5152	3898
5.12		38392	38231
5.166		57734	54684
5.205		5316	3437
5.271		1666	1231
5.376		25033	31672
5.452		2295	1769
5.472		1047	599
5.531		29311	28817
5.575		11706	11001
5.601		2582	1671
5.652		52811	61163
5.837		8910	9630
5.881		2455	3745
6.023		57077	57591
6.058		841	428
6.088		58445	51718
6.11		9729	6860
6.269		2045	1780
6.333		3308	3746
6.394		1014	1049
6.469		35272	36479
6.614	DCB	2599218	2640538
7.073		2158	2743
7.384		995	35518
8.048		708	679
8.26		455	1025
8.682		3598	4551

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:03:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.030.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		4566	3995
2.054		48370	59889
2.118		12201	31041
2.156		9722	8504
2.203		11605	5430
2.238		11976	17842
2.273		3344	3748
2.301		4143	3803
2.368		1640	1551
2.411		11919	14148
2.477		3673	2743
2.547		74267	45740
2.571		2777	1850
2.615	TCX	28874900	16630890
2.659		18640	9314
2.704		11286	9031
2.787		112745	79835
2.833		365177	250986
2.899		357208	233817
2.949		70899	40916
2.984		2217	1322
3.01		85953	52431
3.106		1429669	1234427
3.157		90785	52767
3.178		58744	35659
3.203		28398	14940
3.227		1162137	768872
3.265		108594	66149
3.292		112278	57964
3.31		235762	119534
3.326		246238	129225
3.352		3063	1379
3.385		2874083	3150144
3.406		256313	109567
3.419		1158385	703721
3.494		1856379	1134735
3.529		3171716	1907711
3.552		2981381	1645904
3.57		986457	502050
3.656		4027090	2517047
3.678		1207439	652251
3.7		1241430	757492
3.729		632548	313698
3.745		2953178	1681835
3.786		1077676	754721
3.833		227977	190642
3.855		2343196	1426325
3.878		5638245	3511222
3.903		4046498	2476343
3.922		296772	146527
3.941		274610	154064
3.977		1561507	1097562
4.011		2844540	2116021
4.039		1600916	879574

RT B	Compound B	Height B	Area B
4.086		212159	187035
4.121		965383	720037
4.153		18178	9461
4.178		1596694	1175299
4.21		958765	656671
4.238		2456050	1783526
4.276		43156	39569
4.316		48412	29918
4.331		837631	600239
4.367		253342	184913
4.399		1634433	1220287
4.423		41349	19132
4.442		96960	61178
4.466		159838	102613
4.491		132991	94958
4.565		232409	234900
4.618		1604069	1281938
4.67		199702	189706
4.697		412022	357279
4.744		46952	32327
4.768		9192	7050
4.841		10707	19808
4.884		21112	17977
4.918		24118	16574
4.942		150408	118913
4.987		25357	28498
5.027		10430	6995
5.063		170850	132520
5.089		63427	43271
5.112		31787	20771
5.157		9547	6628
5.186		351372	307670
5.305		2150	1362
5.328		18894	15861
5.371		51515	53786
5.446		1799	1164
5.527		402473	352402
5.596		475819	417419
5.645		150937	136841
5.751		11138	9351
5.951		254951	212555
5.981		4576	3000
6.005		2945	1952
6.071		2138	1649
6.11	DCB	18498500	15732180
6.302		3108	2386
6.561		14401	18084
7.309		1790	2024
7.483		1824	2569
7.553		1792	3545
7.785		2101	9732
8.22		16520	29425

IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082

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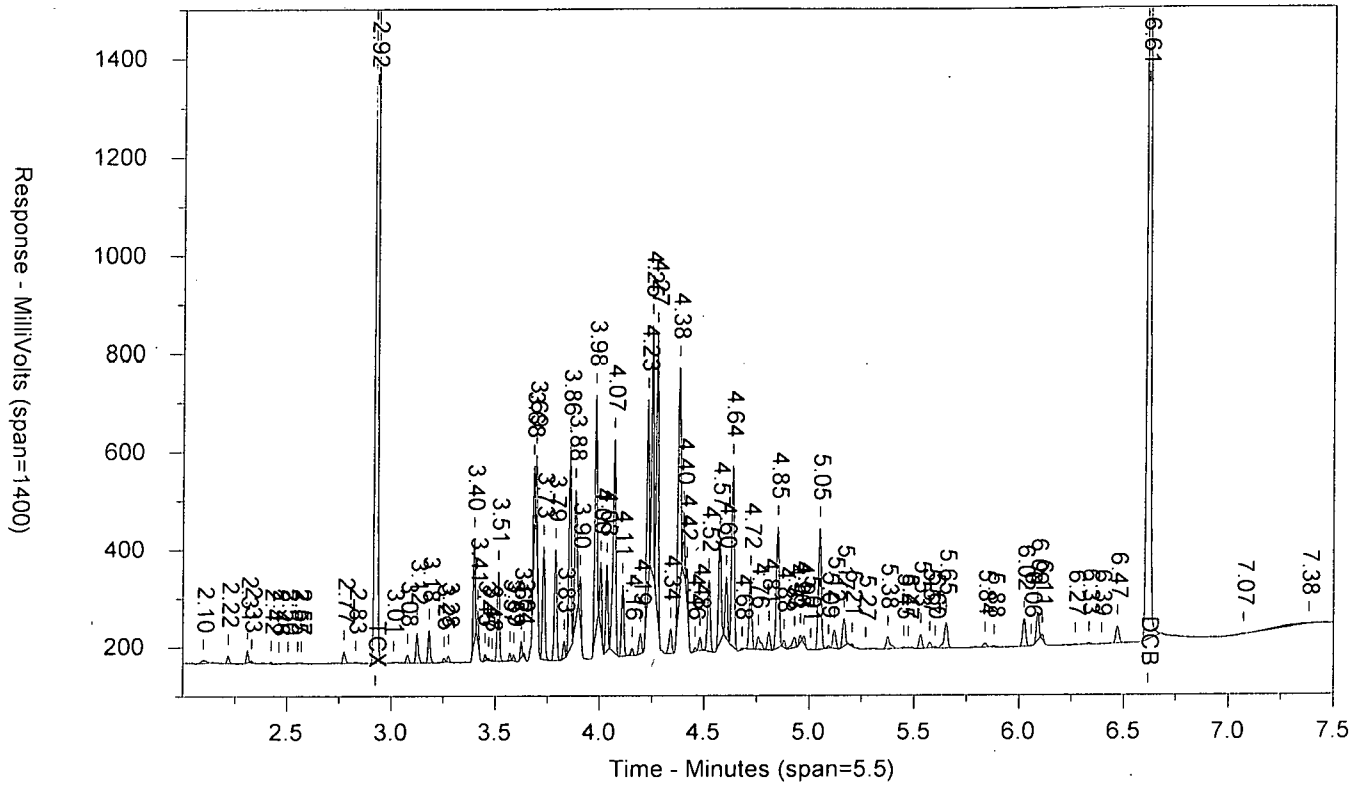

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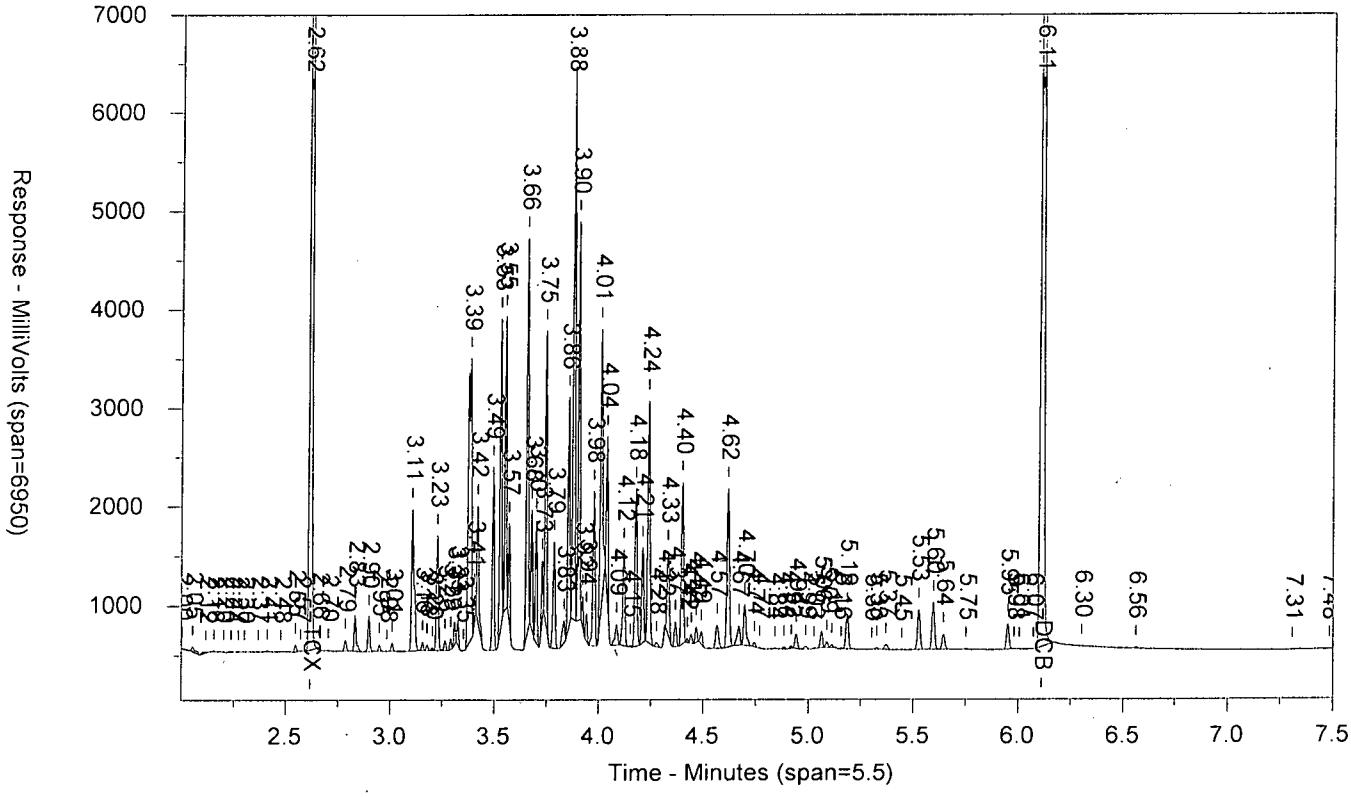

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:03:57 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4670822	41.102	TCX	2.615	28874900	41.768	TCX
6.614	2599218	37.77	DCB	6.11	18498500	37.971	DCB

Files:
Area File: 20pcbs17137001.030.RAW
Area File: 20pcbs17137001B.030.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 10:12:41 PM
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IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082

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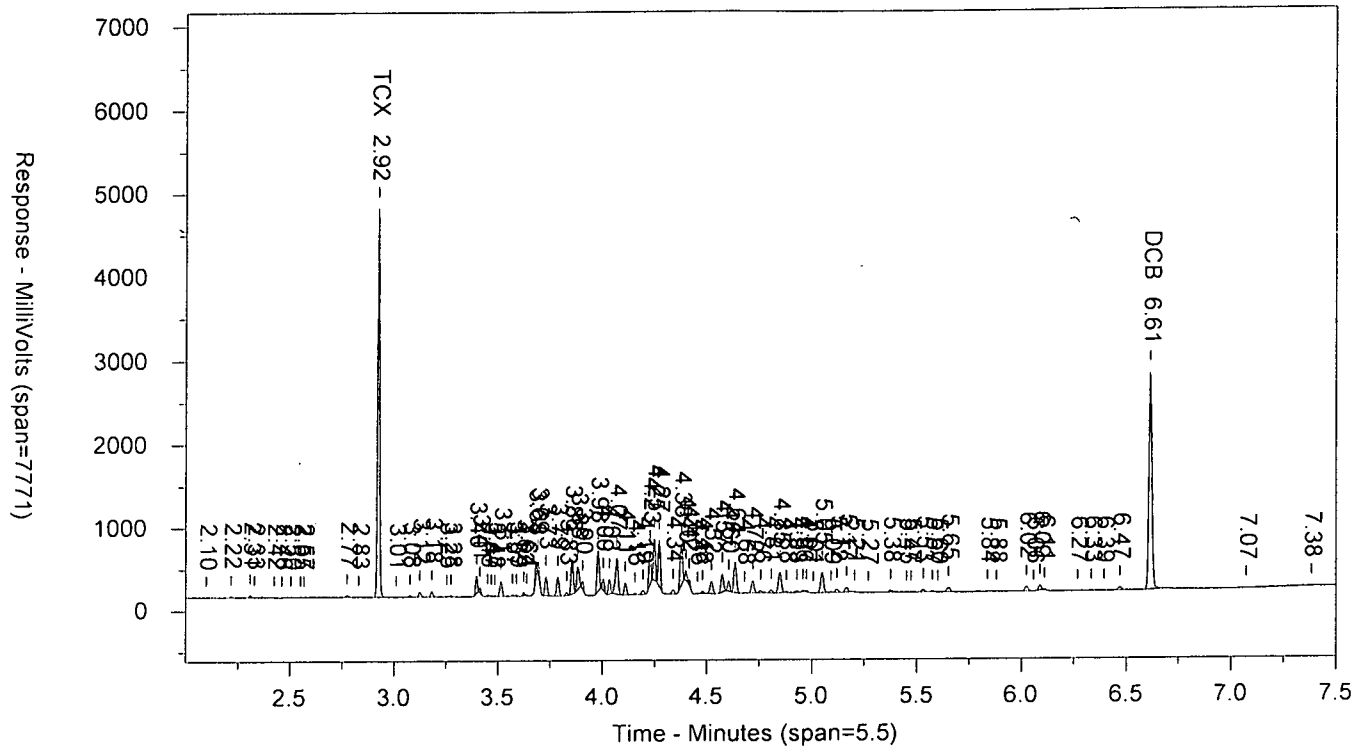

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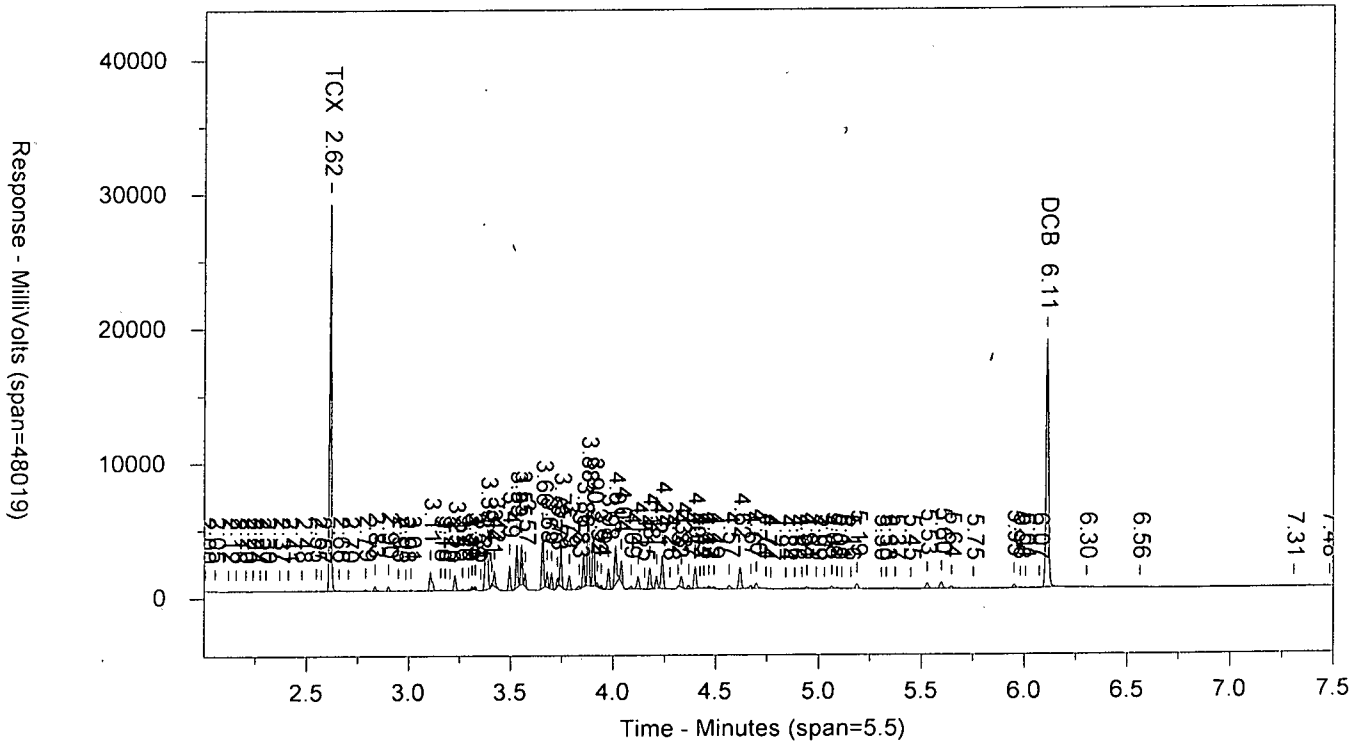

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:15:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137001.031.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		7098	11418
2.218		8330	6783
2.31		10224	6594
2.329		2529	1336
2.425		1874	1819
2.552		1290	2535
2.657		801	1560
2.774		32482	27245
2.828		2117	2013
2.924	TCX	2285469	1522363
3.076		4536	3831
3.124		31705	20928
3.182		10671	9043
3.255		4669	2804
3.397		19519	12079
3.414		5211	2815
3.467		6128	5832
3.513		14972	10228
3.569		6843	4095
3.588		13617	8384
3.624		2525	1730
3.682		11020	5521
3.695		7876	6645
3.731		41933	30843
3.787		16816	13008
3.828		2267	1414
3.856		397300	303164
3.883		111826	103964
3.979		253718	194700
4.004		14800	8165
4.035		28621	20171
4.069		114458	109348
4.11		23403	18267
4.138		1540	874
4.156		4686	2935
4.19		21271	16421
4.229		662635	490059
4.249		293716	173837
4.273		188493	142462
4.34		195418	161882
4.381		1085644	1042662
4.417		356426	295424
4.457		14119	9166
4.479		65286	51512
4.522		371516	328526
4.574		686872	616932
4.605		166598	108521
4.636		1401741	1211992
4.681		61117	42861
4.694		28359	14830
4.719		189888	154803
4.757		421630	423877
4.808		88192	76149
4.85		928203	870896

RT A	Compound A	Height A	Area A
4.878		18534	10535
4.905		87752	71041
4.929		17785	10364
4.957		325786	236436
4.974		137233	85412
5.007		11609	8969
5.05		732295	694114
5.093		78148	61974
5.119		83419	116964
5.166		953095	838170
5.188		38055	17713
5.204		22557	14146
5.228		21360	15201
5.271		30711	26316
5.376		309249	398039
5.425		1917	938
5.451		36952	33706
5.491		33791	30323
5.531		19196	18876
5.575		165300	156092
5.602		23982	16128
5.632		129790	149768
5.84		110749	106559
5.871		17157	18024
6.024		30198	31528
6.089		35609	30360
6.11		7522	4900
6.269		6229	6068
6.397		834	521
6.469		18562	19361
6.614	DCB	1267488	1343171
6.94		576	2260
7.457		6028	145215
8.242		853	1220
8.42		942	3036
8.681		2990	3763

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:15:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.031.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		8687	9036
2.054		19510	12684
2.155		9361	29380
2.243		12982	32442
2.357		3837	4261
2.41		4162	2688
2.453		3253	2312
2.477		4619	24567
2.547		99741	80967
2.615	TCX	14261130	8161377
2.739		2450	2057
2.787		21734	16483
2.833		191372	125073
2.899		63458	53314
2.949		35258	20419
2.987		2292	1234
3.01		9680	7250
3.106		136035	138977
3.179		47678	30550
3.203		5520	2509
3.228		99929	63710
3.265		109399	66001
3.292		60423	32249
3.311		20360	9371
3.326		60875	33582
3.376		160765	165859
3.406		49347	22834
3.42		180359	132153
3.494		147119	92815
3.528		3005385	1813061
3.552		997978	581766
3.57		95239	40828
3.587		20108	9915
3.656		1914618	1193657
3.678		155239	79024
3.7		228388	151491
3.729		194174	96598
3.745		685766	394409
3.785		201440	149396
3.825		156773	146060
3.855		651648	378225
3.878		7402528	4694650
3.902		748345	428751
3.922		689461	377506
3.941		1162877	698746
3.976		6307564	4241659
4.008		2426383	1501906
4.025		1434197	766275
4.086		478622	371864
4.121		2336316	1774735
4.178		5129437	3746212
4.211		1416893	996456
4.239		8742960	6470207
4.276		631778	611346

RT B	Compound B	Height B	Area B
4.33		4212095	3475363
4.367		634281	469649
4.399		5835235	4141655
4.423		862417	548107
4.466		3505994	2547704
4.491		162865	97558
4.566		3121899	2985743
4.618		4136349	3269422
4.658		964427	846487
4.697		6392117	6072525
4.744		461596	295749
4.768		201952	141782
4.827		73735	82163
4.884		315209	280581
4.918		300816	208347
4.942		1867441	1465418
4.992		244800	207236
5.028		198831	161819
5.061		160295	137710
5.09		909573	668435
5.112		639746	559645
5.153		15617	8687
5.186		195803	173116
5.248		3196	2559
5.301		3297	1753
5.327		31690	25901
5.37		756608	777371
5.528		206510	180862
5.573		24533	17154
5.596		233024	188332
5.645		101099	89389
5.751		39872	33475
5.95		125828	102865
6.11	DCB	8886612	8047574
6.235		3305	4459
6.282		3239	2928
6.562		6463	6145
7.545		2430	2987
7.687		1496	8713
7.812		1769	3873
7.859		2414	4305
8.215		17156	32850

IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082

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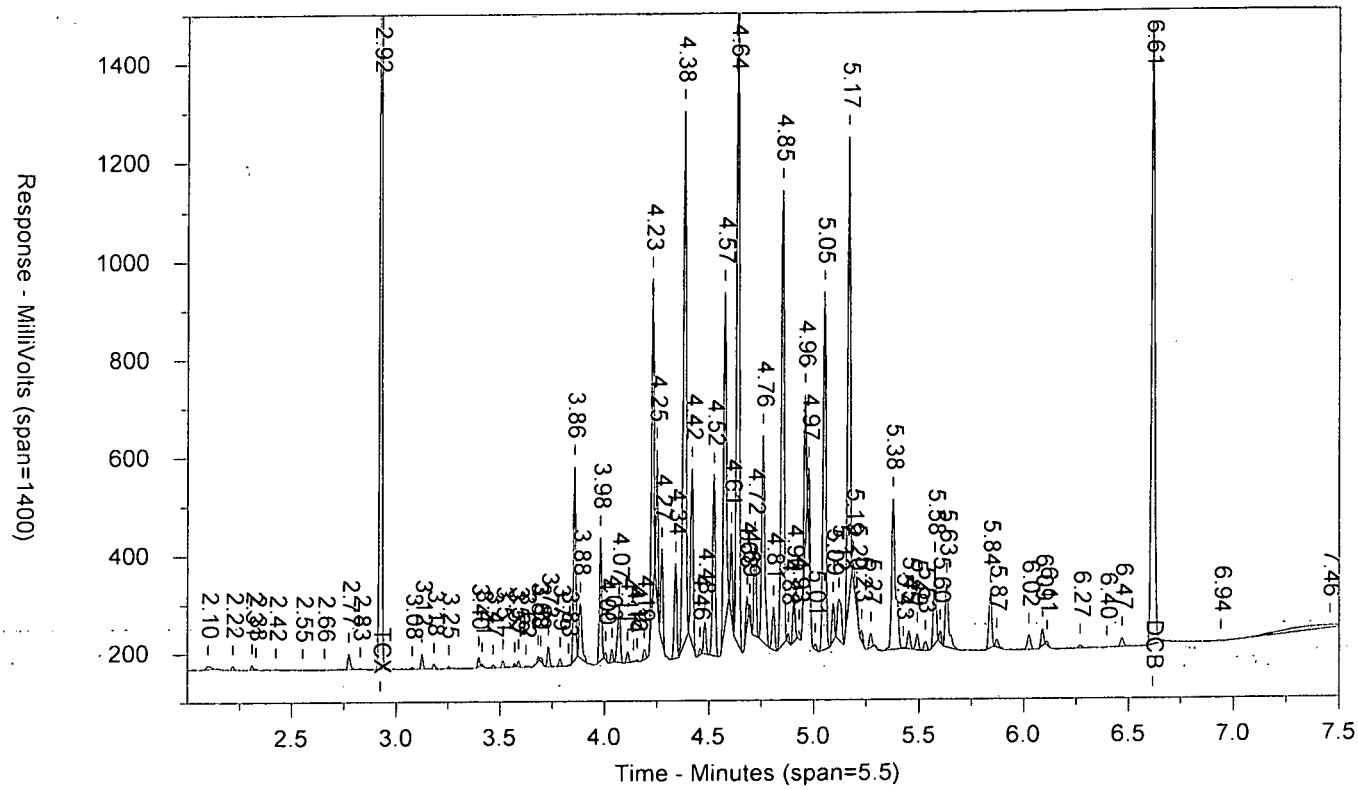

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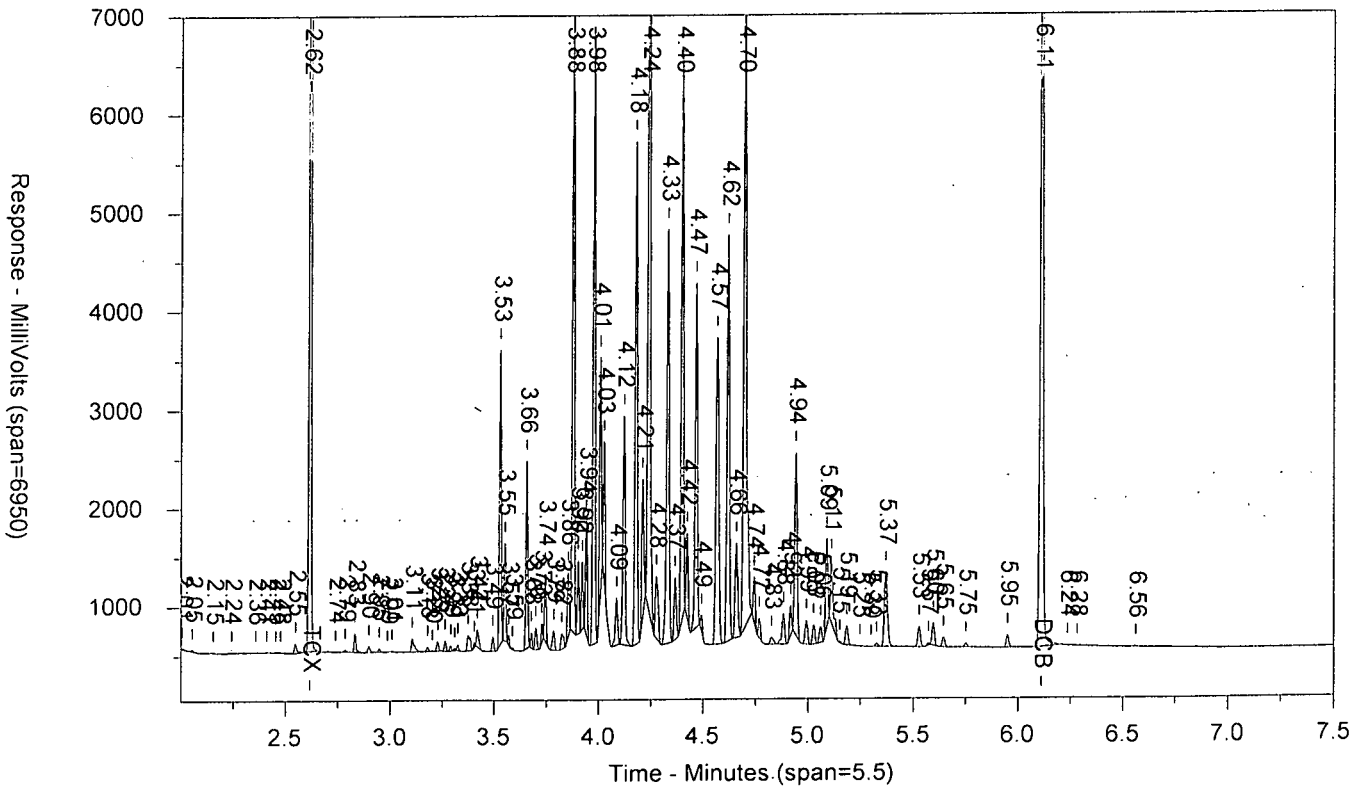

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:15:30 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2285469	20.111	TCX	2.615	14261130	20.629	TCX
6.614	1267488	18.418	DCB	6.11	8886612	18.241	DCB

Files:
Area File: 20pcbs17137001.031.RAW
Area File: 20pcbs17137001B.031.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 10:24:13 PM
File Reported On: 5/17/2017 at 10:24:19 PM

IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082

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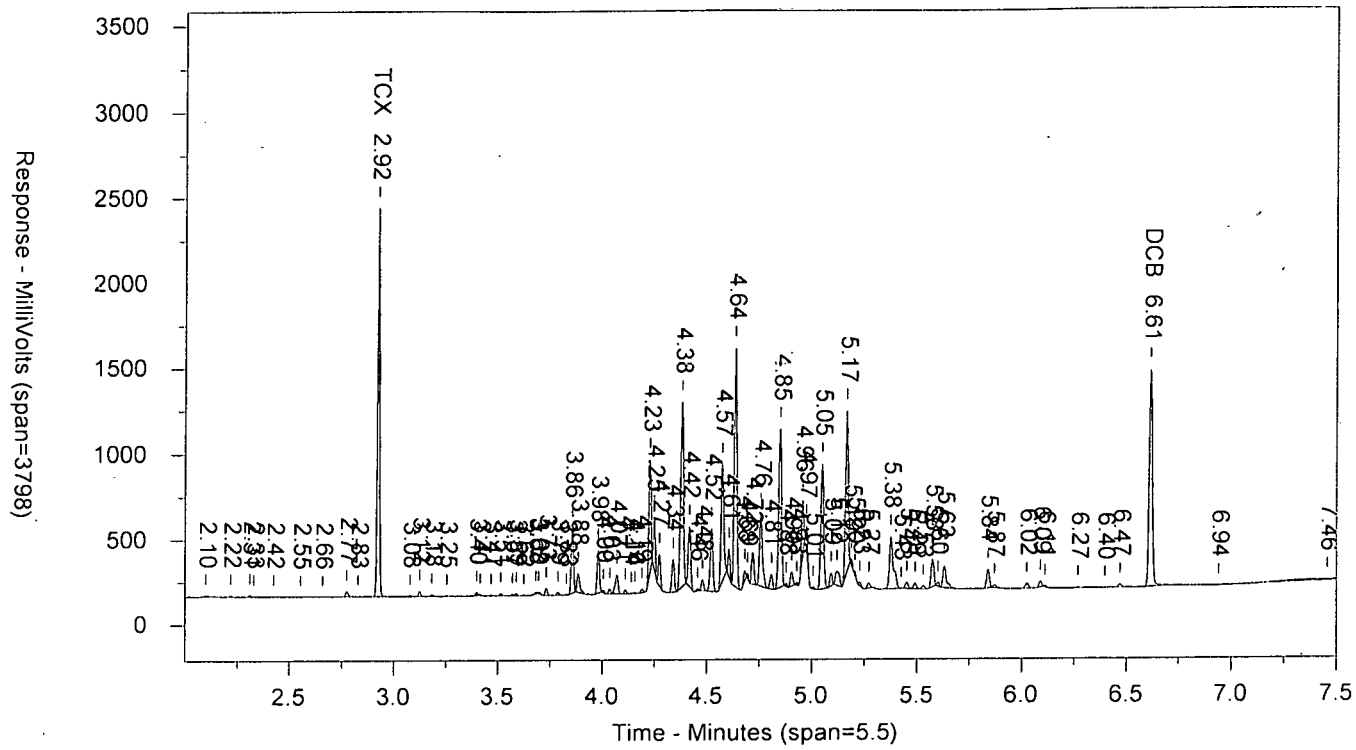

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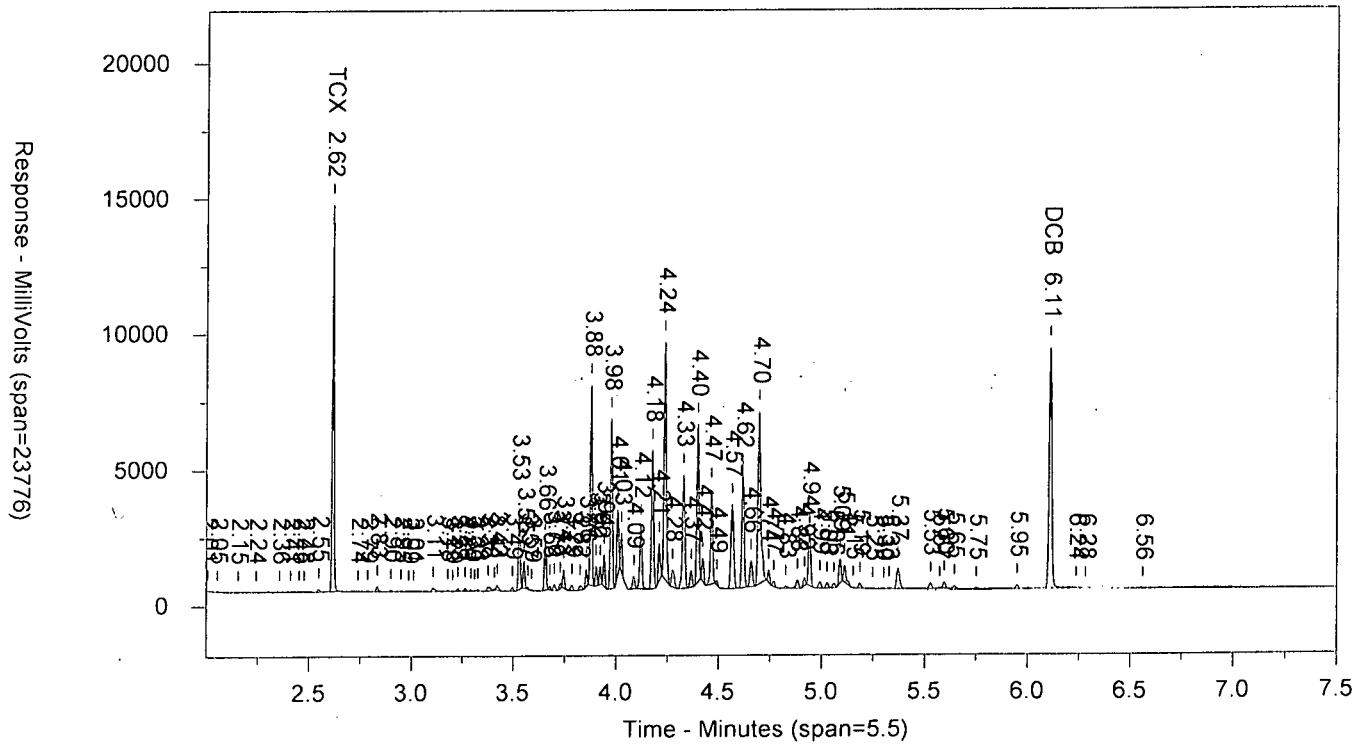

LANCASTER LABORATORIES

Sample Number: AR1631724A EIAR163EI CCAL 1714299999 10736 SW-846 8082
Injected On: 5/24/2017 11:08:38 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137006.090.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.098		13714	19808
2.141		1823	2463
2.218		17479	12448
2.31		14216	8732
2.329		5184	2985
2.379		2623	3054
2.426		2247	2002
2.505		1061	1392
2.549		1507	780
2.566		4284	2933
2.66		1421	1294
2.775		25169	20161
2.827		1266	721
2.924	TCX	4893730	3218275
3.026		1100	615
3.077		73830	60165
3.134		101410	106538
3.182		440292	304975
3.255		9084	5200
3.275		58204	37607
3.312		1383	1101
3.362		798	602
3.397		425153	258852
3.414		188727	99971
3.451		51785	29815
3.466		13572	5613
3.483		40335	23923
3.513		490845	359794
3.547		1870	884
3.569		16142	9669
3.587		14266	8043
3.623		99575	57734
3.637		45780	22500
3.682		219791	123267
3.693		481118	235352
3.729		542344	407068
3.789		438242	344288
3.829		36921	25559
3.856		318251	233071
3.883		232407	194003
3.905		70207	38349
3.98		353995	254363
4.004		115931	75902
4.034		138334	99163
4.07		354491	368168
4.11		111932	94917
4.156		16813	12243
4.194		21289	18395
4.229		395224	286941
4.249		95096	53595
4.273		99005	72049
4.299		2909	1660
4.34		60603	52568
4.383		408287	371270

RT A	Compound A	Height A	Area A
4.415		11866	7996
4.48		4068	3170
4.521		39919	41052
4.575		35367	24070
4.59		86747	57374
4.636		267517	236608
4.68		358842	411892
4.718		83869	59141
4.758		868382	796621
4.802		4987	4993
4.848		143315	156289
4.879		12043	7548
4.905		149011	139270
4.957		985967	1268124
5.007		175479	161955
5.051		465271	519454
5.092		6997	3724
5.129		96225	123087
5.166		1194540	1095809
5.188		32742	15697
5.228		545046	502066
5.272		341103	336007
5.392		658779	903553
5.451		314376	292127
5.491		165612	144751
5.532		46320	43537
5.576		216149	222284
5.633		1550268	1580188
5.718		1334	1840
5.839		851057	877311
5.878		63774	77376
5.891		68318	54904
5.99		670	418
6.025		46089	46025
6.088		44333	32954
6.111		134005	119725
6.269		332641	345656
6.314		23278	24224
6.396		1094	1377
6.469		104504	112745
6.615	DCB	2807880	2911451
7.074		2043	2659
7.488		743	1749
7.651		852	1038
8.084		921	2362
8.448		12800	99426
8.578		8535	29933

LANCASTER LABORATORIES

Sample Number: AR1631724A EIAR163EI CCAL 1714299999 10736 SW-846 8082
Injected On: 5/24/2017 11:08:38 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137006B.090.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		7653	4574
2.053		41446	28999
2.155		9951	9723
2.237		19437	25092
2.299		24676	16027
2.343		1901	1030
2.363		4729	3447
2.395		2374	1747
2.409		9754	8205
2.476		5362	3585
2.493		5421	4023
2.526		7489	6051
2.546		71772	46288
2.571		4571	2250
2.614	TCX	29091150	17054310
2.658		189959	129676
2.703		6714	7354
2.785		453455	296454
2.832		264179	121581
2.846		401667	196238
2.897		2360246	1440374
2.947		75838	43737
3.008		315245	195440
3.104		3039458	2875776
3.155		341967	216589
3.176		180822	100154
3.201		263501	150032
3.226		2993483	1946208
3.262		110015	62946
3.29		114487	55722
3.308		794262	412410
3.324		509500	246335
3.351		6739	3424
3.374		1569105	788948
3.383		3707714	1561135
3.404		111120	47416
3.417		3056207	1986014
3.491		3555139	2144404
3.526		2332873	1422690
3.55		2560429	1383566
3.568		811256	421688
3.653		2927668	1890886
3.676		1099164	585933
3.697		1001034	583286
3.726		683493	338857
3.742		2417763	1446670
3.784		871625	626962
3.831		126496	107937
3.853		658399	397355
3.875		3349138	2142449
3.9		717265	422402
3.92		112156	54536
3.938		392313	244655
3.974		2660846	1835927

RT B	Compound B	Height B	Area B
4.007		152372	92336
4.023		214930	135194
4.072		14844	9219
4.084		10546	4444
4.119		224684	210442
4.152		8457	3847
4.175		680274	492734
4.218		631864	371902
4.236		718627	338287
4.249		1662164	898091
4.275		1035513	1087854
4.327		5836400	4401235
4.374		92106	73911
4.397		646297	433756
4.421		1320838	957604
4.464		7091402	5302786
4.567		5483570	5286010
4.62		687658	594569
4.659		1570455	1340497
4.695		7053858	5876524
4.727		3181704	2212134
4.765		2351485	1826259
4.837		8722	10407
4.865		787178	845109
4.917		4260199	3327879
4.94		625454	400295
4.99		2196702	1986389
5.026		1129491	890836
5.056		834463	711396
5.088		410171	232420
5.11		9736395	7982860
5.152		215599	161860
5.184		472046	391266
5.302		113909	72089
5.326		1856530	1589206
5.37		6067016	6957093
5.526		323193	274952
5.571		171539	123262
5.595		283337	221826
5.644		1098959	974093
5.75		2341444	1948150
5.781		133319	97269
5.95		737711	632601
6.068		2882	2509
6.108	DCB	18518520	16627610
6.281		9478	18210
6.559		12788	12586
6.734		2433	2357
6.771		1412	1778
6.914		3154	4407
7.04		1240	1640
7.132		2893	5276
7.252		2564	5113
7.307		3450	6260
7.424		2094	3273
8.217		21292	37896

AR1631724A EIAR163EI CCAL 1714299999 10736 SW-846 8082

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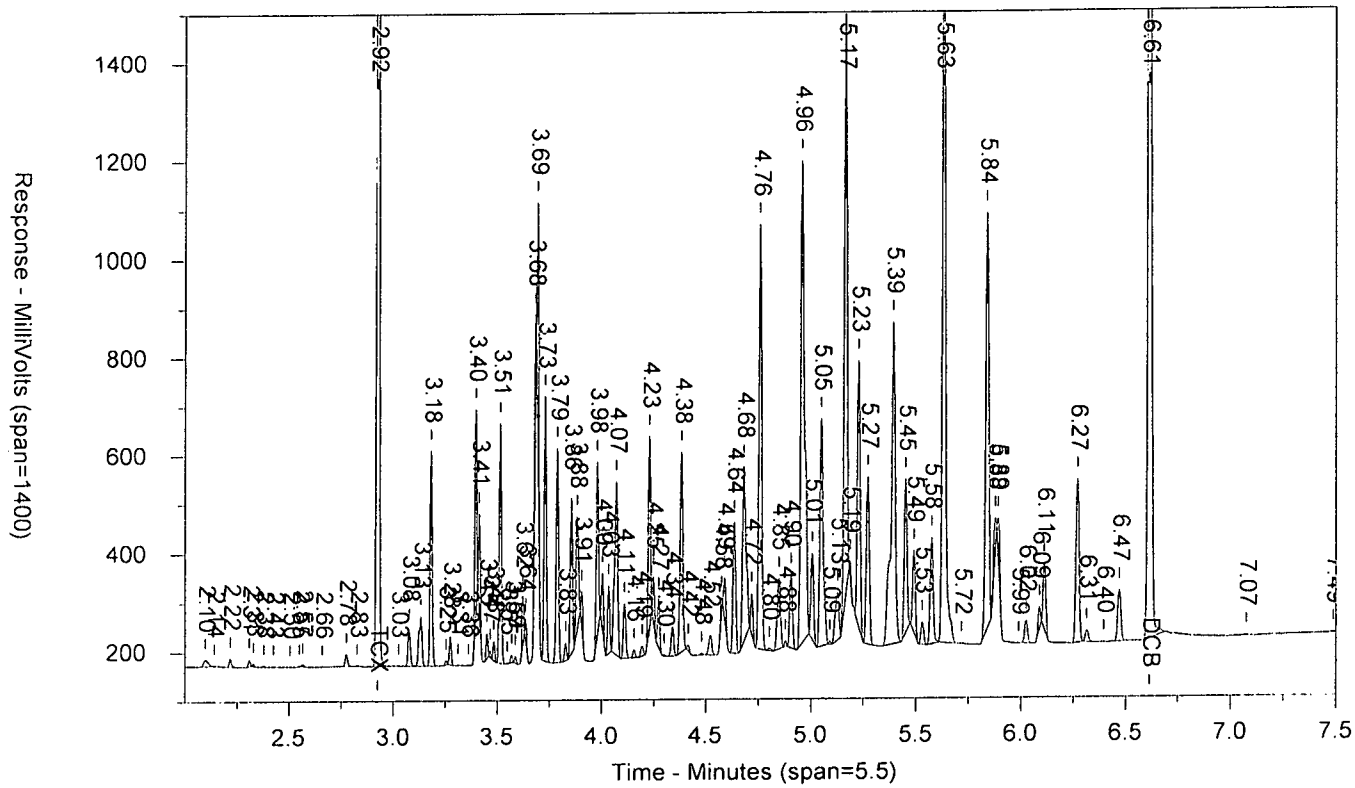

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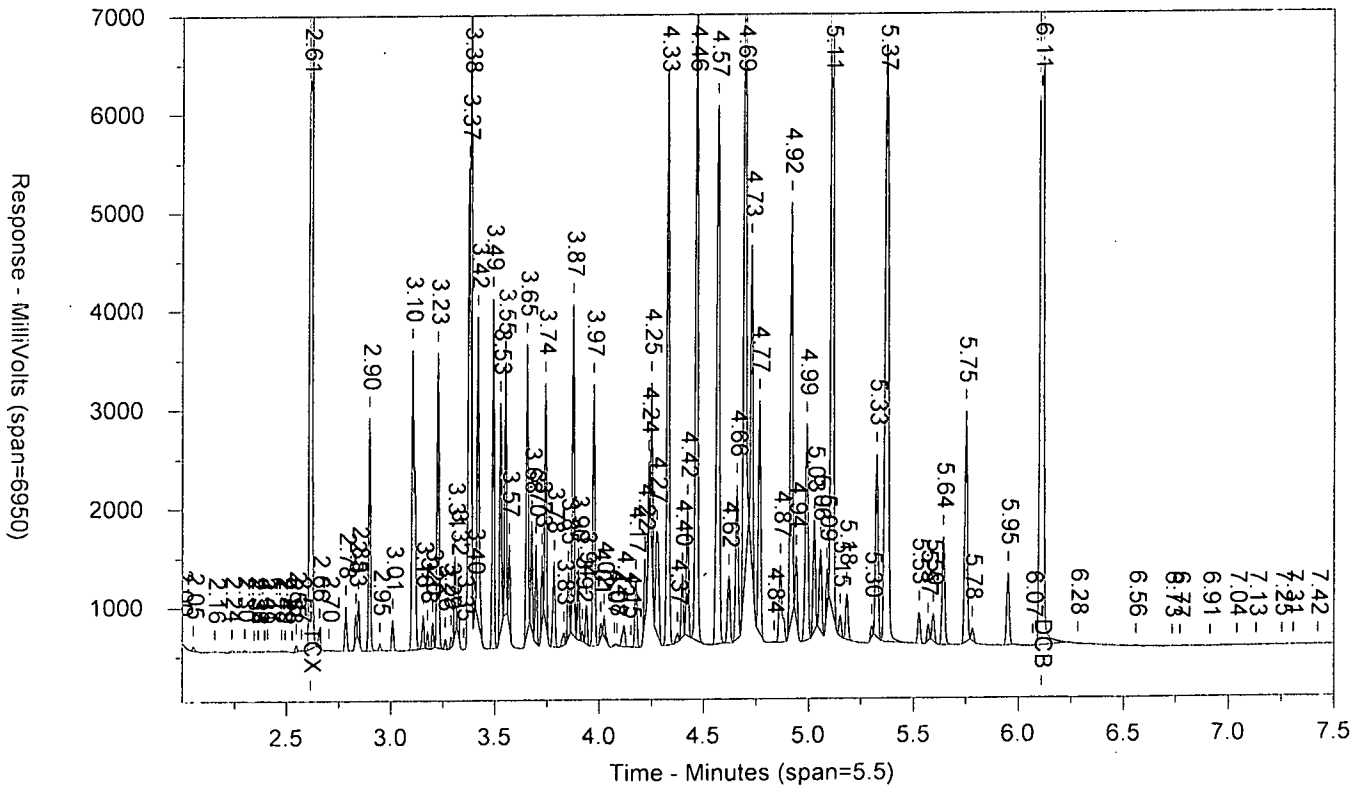

LANCASTER LABORATORIES

Sample Number: AR1631724A EIAR163EI CCAL 1714299999 10736 SW-846 8082
Injected On: 5/24/2017 11:08:38 AM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volumo: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4893730	43.063	TCX	2.614	29091150	42.081	TCX
6.615	2807880	40.803	DCB	6.108	18518520	38.012	DCB

Files:
Area File: 20pcbs17137006.090.RAW
Area File: 20pcbs17137006B.090.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 11:17:23 AM
File Reported On: 5/24/2017 at 11:17:34 AM

AR1631724A EIAR163EI CCAL 1714299999 10736 SW-846 8082

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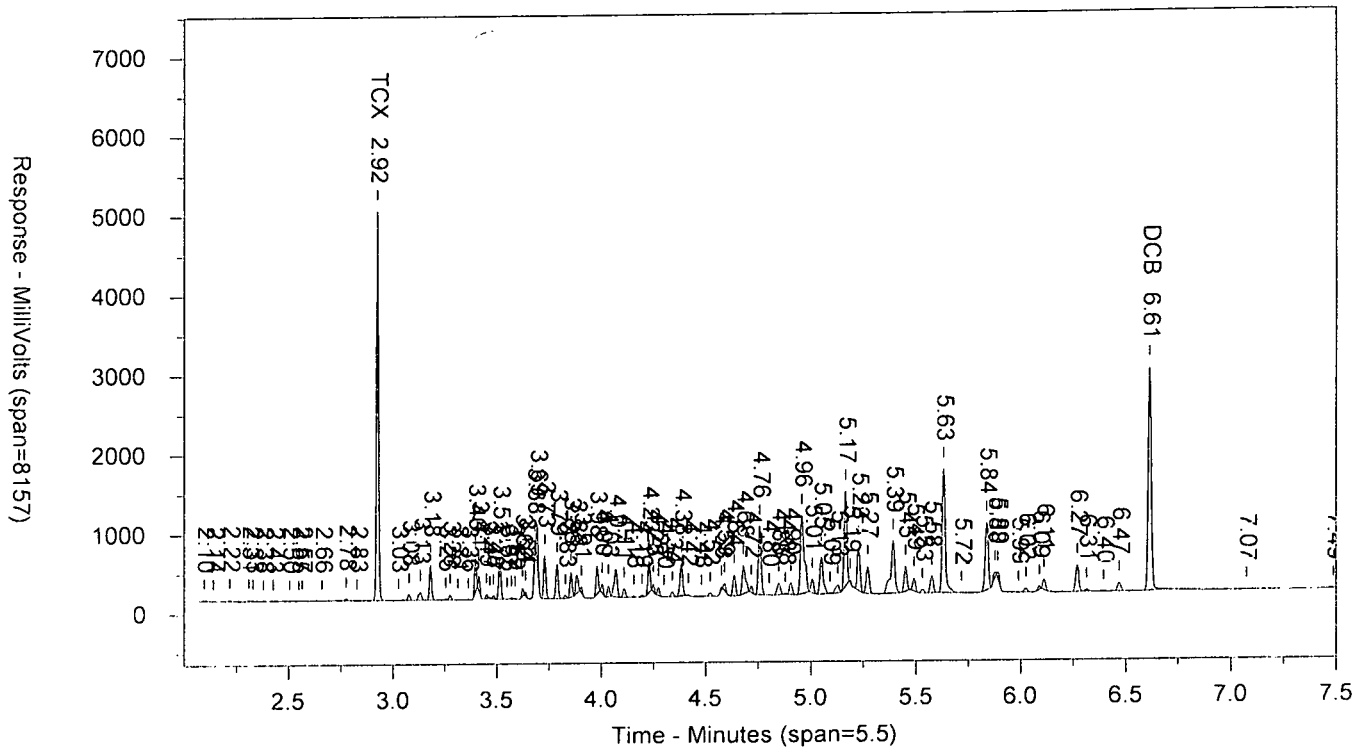

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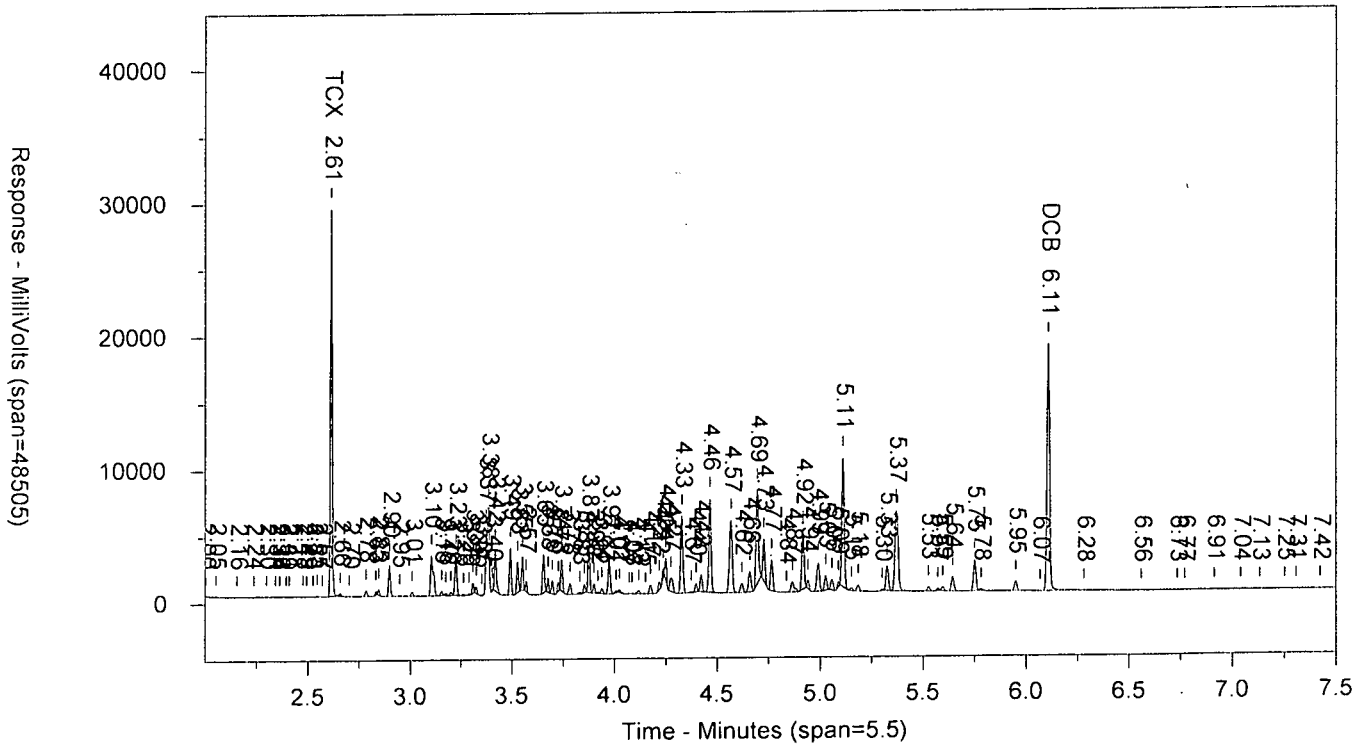

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YCPIBLKYC PIBLK1714299999 10736 SW-846 8082
Injected On: 5/24/2017 11:20:09 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137006.091.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.102		33836	55465
2.218		9275	7219
2.31		15479	9388
2.329		2404	1253
2.379		2905	3107
2.425		2594	2090
2.503		1573	2154
2.549		3669	5282
2.659		1458	1251
2.775		25982	25176
2.829		2778	2789
2.925	TCX	2582317	1696178
3.125		36213	22718
3.194		2767	2480
3.255		5701	3903
3.396		1194	1351
3.516		691	381
3.534		1447	1151
3.57		10181	6916
3.623		645	705
3.668		11571	10669
3.736		979	912
3.852		2356	2391
4.006		804	730
4.174		1238	964
4.194		2533	2265
4.266		1932	1627
4.3		6777	9509
4.412		6592	9263
4.516		2029	3198
4.635		730	840
4.682		858	585
4.761		962	741
4.88		5011	6148
4.928		1214	1460
4.961		1340	1734
5.046		3734	4769
5.121		9438	9103
5.166		1659	1219
5.374		1692	3828
5.438		1023	1035
5.533		9367	10163
5.654		18168	18537
5.75		797	699
5.843		2435	2681
6.025		24957	25297
6.09		25189	22514
6.274		4405	10901
6.303		966	791
6.366		482	1658
6.47		15421	15753
6.615	DCB	1443228	1554640
6.726		1312	3368
6.87		664	1122

RT A	Compound A	Height A	Area A
7.067		1336	1868
7.68		680	4986
7.878		4545	25015
8.207		1167	4301
8.548		662	345

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YCPIBLKYC PIBLK1714299999 10736 SW-846 8082
Injected On: 5/24/2017 11:20:09 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137006B.091.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		57457	41822
2.052		20236	13828
2.122		2281	1140
2.154		8184	6652
2.24		23304	31048
2.273		5253	2608
2.344		2512	1739
2.369		4449	3872
2.396		2438	1139
2.409		13716	11466
2.455		2407	1927
2.477		7623	5601
2.546		73681	44073
2.614	TCX	15899180	9108239
2.702		3132	2094
2.72		3206	2655
2.777		8736	4977
2.799		3000	1621
2.832		213221	132645
2.889		8895	20227
2.948		40914	24155
2.987		2473	1074
3.103		2612	1194
3.179		7772	11282
3.227		5221	3498
3.266		5223	2585
3.29		80362	44209
3.324		101413	63324
3.355		4862	2616
3.384		10763	11465
3.408		17030	12794
3.448		8433	12072
3.494		5060	4643
3.526		3308	1878
3.545		10797	14305
3.583		2324	1117
3.635		1357	948
3.712		11565	20357
3.772		6291	5488
3.813		2214	1424
3.873		5259	8515
3.936		17927	11743
3.975		4500	6334
4.007		29695	30509
4.073		31233	27414
4.111		3758	2823
4.153		8463	13128
4.201		11271	15372
4.235		7823	8000
4.276		2814	2342
4.328		7988	6174
4.44		29960	23284
4.465		7181	9792
4.527		4574	5993

RT B	Compound B	Height B	Area B
4.566		8754	12070
4.62		3986	2408
4.644		22577	19317
4.67		23060	13658
4.696		7852	6585
4.727		4370	5762
4.842		11113	24185
4.917		7607	5853
4.984		7733	7728
5.062		51949	55814
5.11		10679	11030
5.184		121508	101675
5.218		2681	2487
5.325		2312	1372
5.37		10636	10427
5.473		3220	2575
5.527		171033	151740
5.595		238164	231055
5.645		54275	63260
5.721		2151	7084
5.751		3658	4032
5.792		2825	1858
5.904		3013	2942
5.95		106796	92277
5.999		2092	2075
6.109	DCB	9989284	8685635
6.272		1867	933
6.425		1994	3807
6.56		7277	6323
7.299		2628	3923
7.538		3020	5522
7.665		1949	2652
8.217		19950	37280

IBLKX1724A YCPIBLKYC PIBLK1714299999 10736 SW-846 8082

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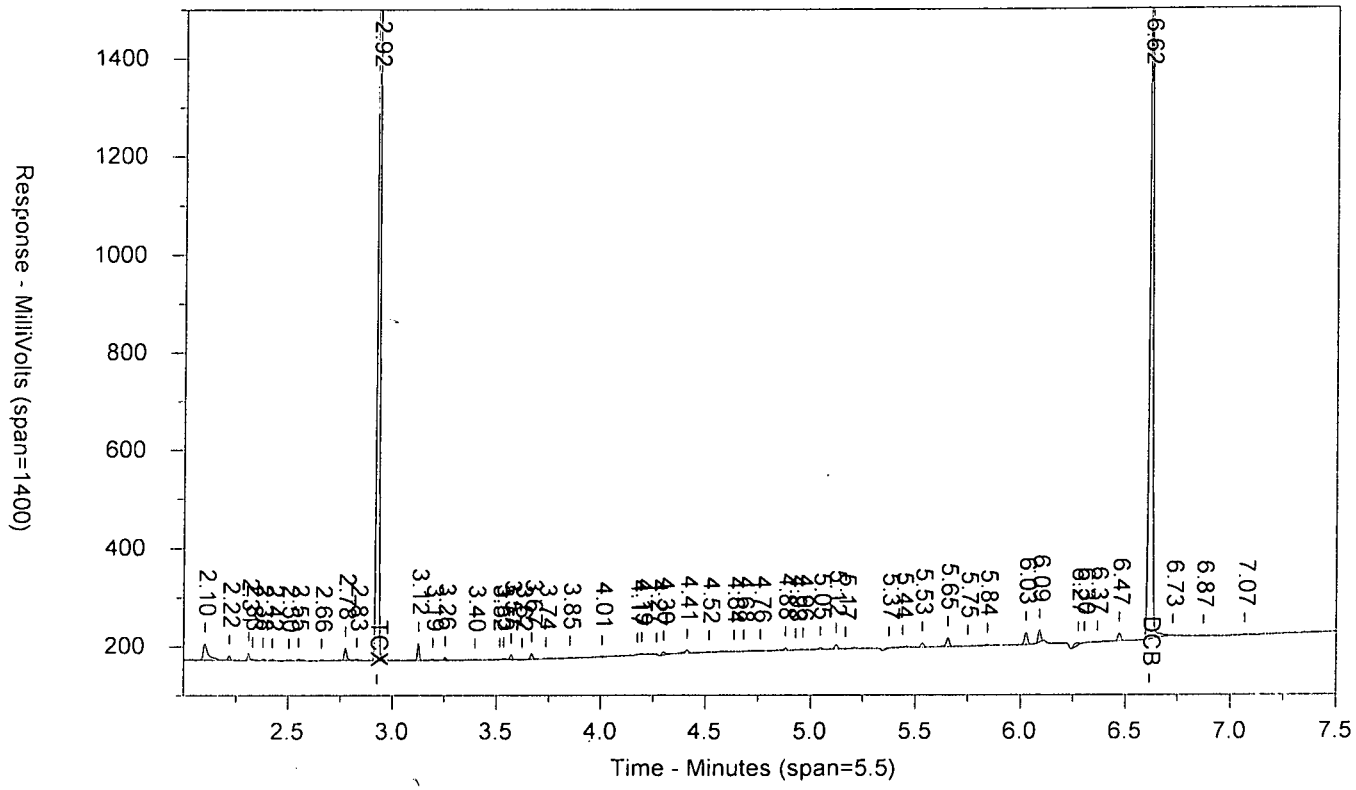

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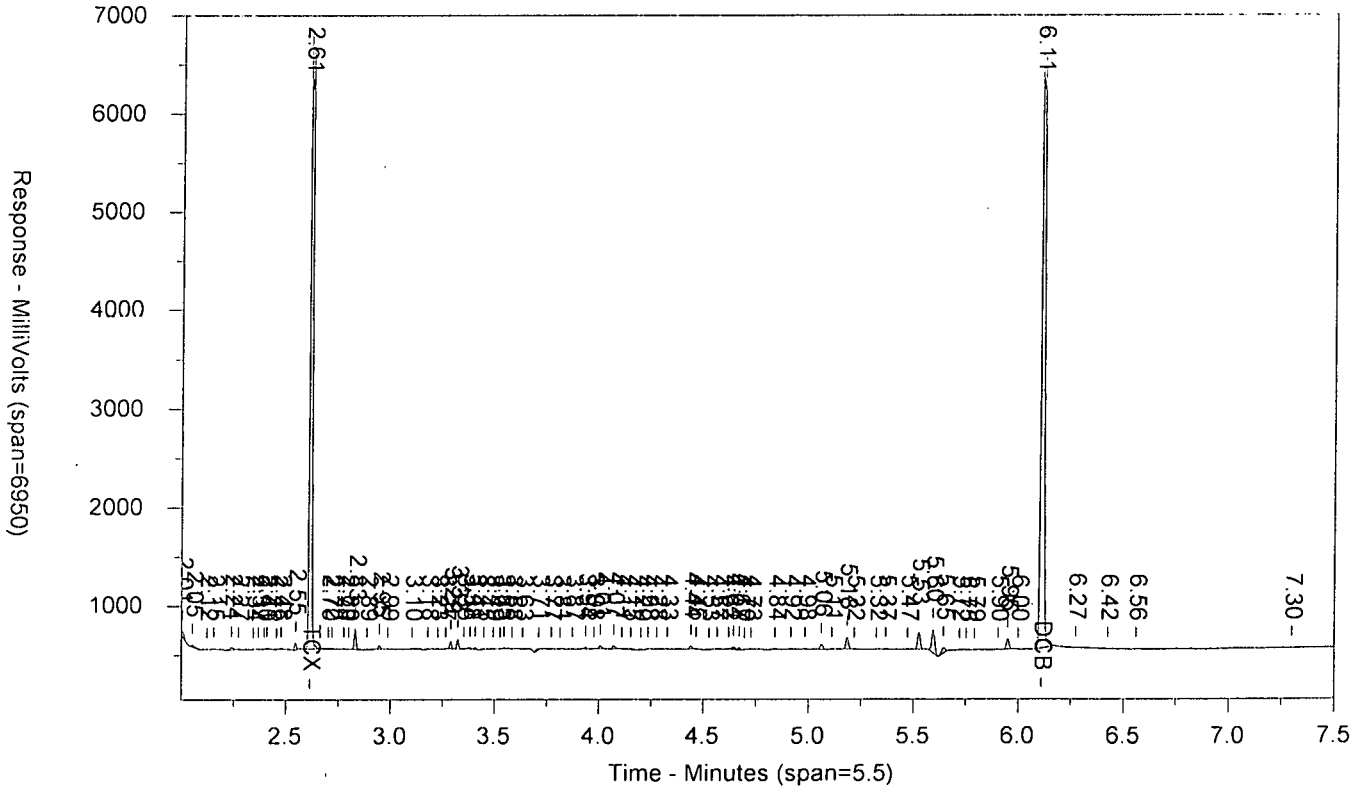


LANCASTER LABORATORIES

Sample Number: IBLKX1724A YCPIBLKYC PIBLK1714299999 10736 SW-846 8082
Injected On: 5/24/2017 11:20:09 AM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

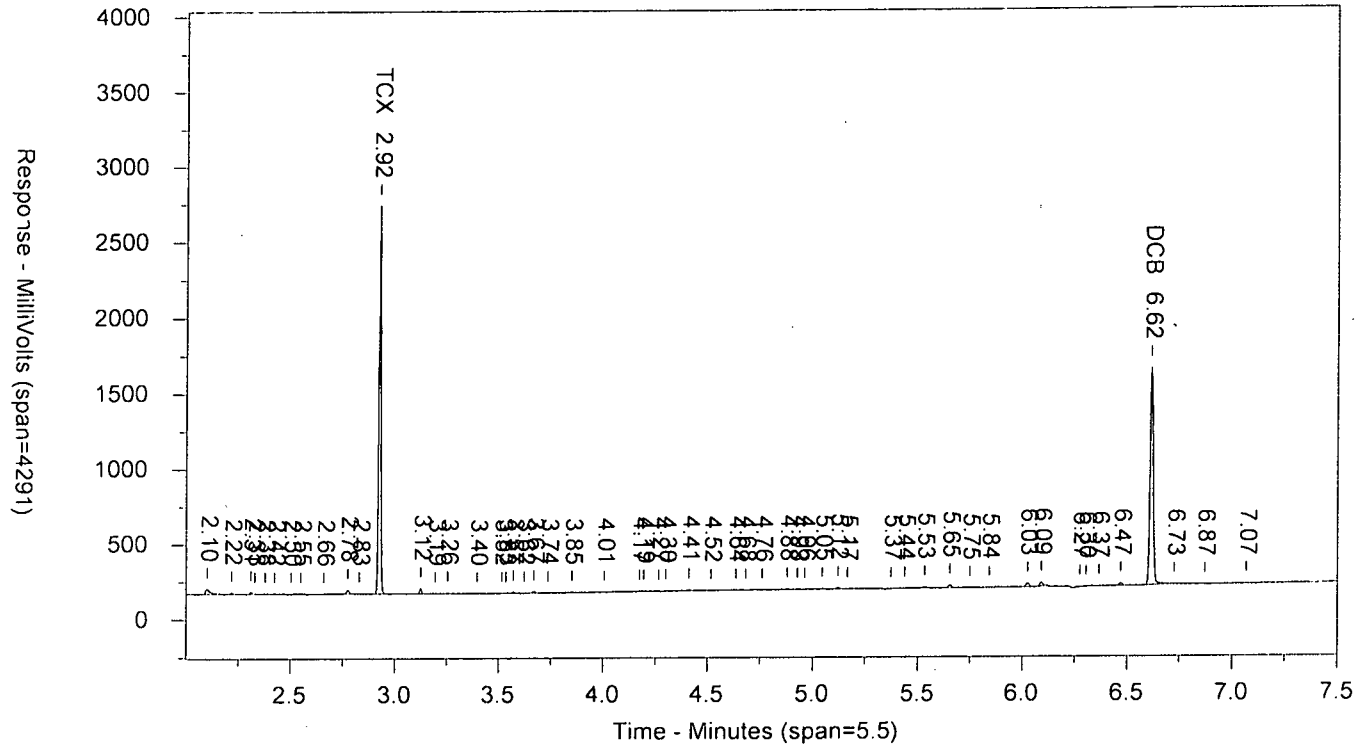
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	2582317	.227	TCX	2.614	15899180	.23	TCX
6.615	1443228	.21	DCB	6.109	9989284	.205	DCB

Files:
Area File: 20pcbs17137006.091.RAW
Area File: 20pcbs17137006B.091.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 11:28:52 AM
File Reported On: 5/24/2017 at 11:29:02 AM

IBLKX1724A YCPIBLKYC PIBLK1714299999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137006.091.RAW



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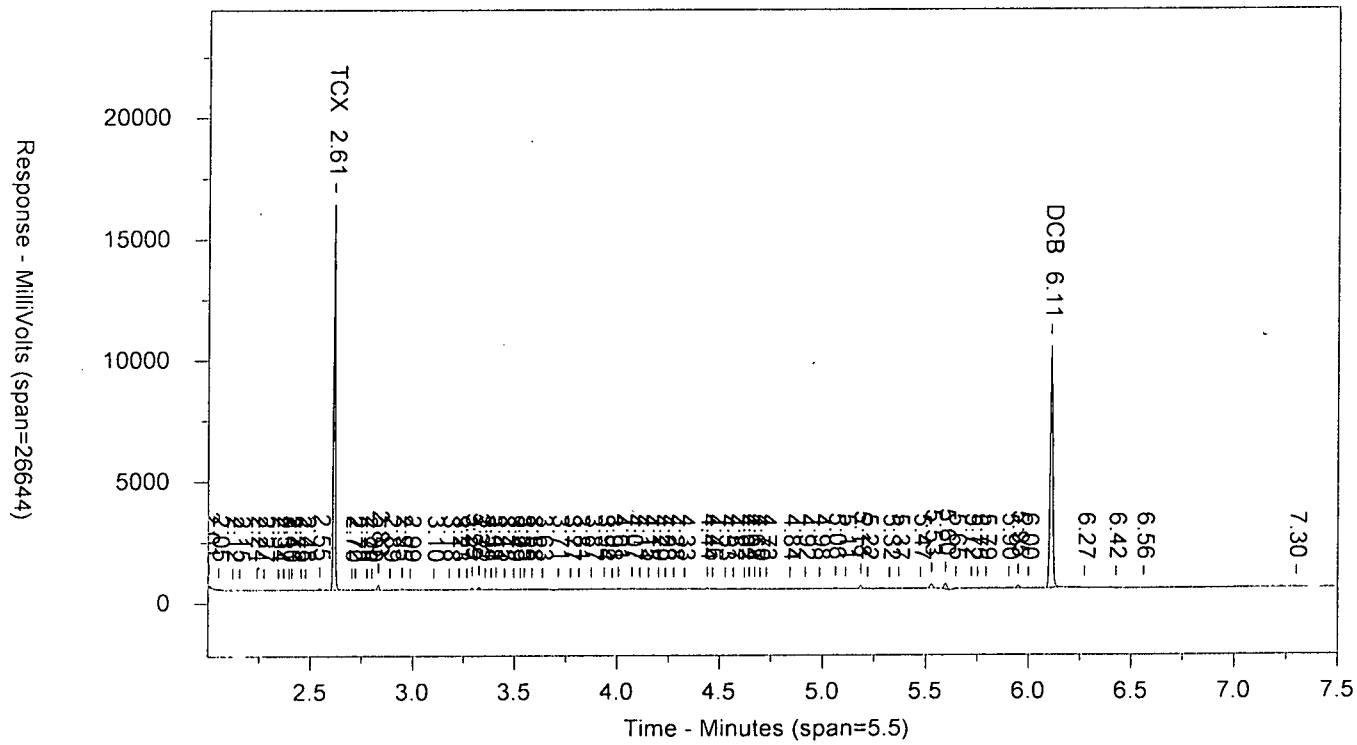

LANCASTER LABORATORIES

Sample Number: AR1631724A EJAR163EJ CCAL 1714299999 10736 SW-846 8082
Injected On: 5/24/2017 3:21:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137006.112.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		52722	102711
2.217		18910	14077
2.31		24006	14666
2.328		5425	2805
2.378		2406	2752
2.424		2749	2219
2.504		1669	2090
2.549		5787	3594
2.566		4130	2759
2.661		1856	1549
2.7		751	862
2.721		1212	1102
2.775		32698	27753
2.828		2361	3310
2.924	TCX	5229431	3475313
3.013		1090	579
3.077		76980	64025
3.134		109850	114740
3.182		462044	325319
3.255		10521	5823
3.276		61122	40323
3.315		1448	1169
3.362		2244	1648
3.397		454123	278635
3.414		212331	112054
3.451		52474	31694
3.467		14944	6237
3.484		42770	25021
3.514		502997	382036
3.548		2205	1125
3.569		20154	11940
3.588		16228	9660
3.624		109419	61334
3.638		50428	25105
3.683		191765	117885
3.694		496007	251238
3.731		546370	421076
3.789		462983	359734
3.829		36345	26521
3.857		338111	242607
3.884		243226	202913
3.905		66901	38008
3.98		373774	271383
4.005		123388	80264
4.035		144158	103507
4.071		367753	386890
4.11		119461	99577
4.156		18349	14062
4.194		23427	18312
4.229		386703	293895
4.25		100486	57882
4.273		102870	71706
4.298		3037	2291
4.34		61230	55057

RT A	Compound A	Height A	Area A
4.383		431963	386010
4.415		15347	11901
4.48		5496	4668
4.521		62097	62501
4.576		41775	29608
4.59		80165	53771
4.636		270364	245210
4.681		386701	426085
4.719		85549	64705
4.759		872153	823423
4.801		9745	9785
4.848		139331	160941
4.88		24221	16810
4.906		155913	138560
4.958		1052884	1296179
5.007		189602	170580
5.052		496592	535864
5.094		8373	5080
5.129		107951	141472
5.166		1189295	1120999
5.189		41652	18167
5.229		544755	501699
5.272		347162	344241
5.393		658935	897885
5.451		312047	288840
5.492		169943	149273
5.532		59305	59186
5.576		231838	225711
5.632		1583580	1633039
5.722		1249	881
5.749		9751	8089
5.79		1584	1344
5.839		873054	891731
5.879		56824	73825
5.892		81780	65886
5.994		955	634
6.024		68895	69505
6.089		58140	46064
6.11		120792	110064
6.186		13691	40895
6.269		336329	350860
6.315		24673	25001
6.394		2043	2236
6.436		1025	615
6.469		111940	116196
6.509		7183	6866
6.615	DCB	2819614	2987723
7.011		1230	2908
7.074		2966	4105
7.457		612	1363
7.744		1129	2138
8.681		3481	4623

LANCASTER LABORATORIES

Sample Number: AR1631724A EJAR163EJ CCAL 1714299999 10736 SW-846 8082
Injected On: 5/24/2017 3:21:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137006B.112.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		32398	21320
2.052		46691	35368
2.155		14875	10456
2.201		10196	5604
2.237		17927	22112
2.298		26843	19086
2.343		2260	1607
2.409		33901	29612
2.451		2689	1049
2.476		9376	15683
2.545		90271	56755
2.57		6718	4013
2.59		6909	2980
2.614	TCX	32467340	18470900
2.658		214417	149703
2.703		12475	8544
2.784		481052	311459
2.832		273132	126862
2.845		424438	213611
2.897		2530122	1549703
2.948		81974	53915
2.987		7795	4646
3.008		338868	213252
3.083		5810	2369
3.104		3226194	3075815
3.155		379969	229874
3.176		188894	106720
3.202		295081	159748
3.226		3189213	2086961
3.262		131792	79134
3.29		134060	66483
3.309		838310	428592
3.324		593445	287099
3.353		17837	8404
3.374		1996720	936480
3.384		3940918	1610828
3.404		151963	52917
3.417		3234015	2108620
3.492		3666464	2283848
3.527		2479590	1504204
3.55		2579105	1469365
3.568		849427	430255
3.653		3118479	2003195
3.676		1140721	629495
3.698		1008873	575616
3.726		691556	368357
3.743		2572098	1513134
3.784		922226	655293
3.832		163461	137814
3.853		674545	413196
3.876		3507561	2238251
3.901		720488	434372
3.921		121533	58223
3.939		421536	253827

RT B	Compound B	Height B	Area B
3.974		2784871	1906160
4.008		181571	111638
4.024		226915	137601
4.072		13698	8831
4.084		14416	8862
4.111		47644	33016
4.119		115487	53082
4.152		24461	13983
4.176		683763	488366
4.219		612837	369507
4.237		690086	329091
4.25		1639745	915980
4.277		1117100	1121993
4.327		5972275	4553652
4.374		108230	98382
4.398		653738	442454
4.422		1323913	932578
4.441		15685	4804
4.465		6896715	5294286
4.568		5873670	5523370
4.621		733911	617802
4.659		1569714	1413490
4.695		7207225	6115629
4.728		3297629	2339937
4.766		2389720	1874239
4.841		102009	75651
4.866		674920	489945
4.882		93742	47489
4.917		4594409	3430235
4.94		632569	413568
4.991		2269946	2056972
5.027		1167474	933036
5.057		922261	800195
5.089		407047	235442
5.111		10087050	8087880
5.153		222557	167057
5.185		697411	569371
5.265		3379	2426
5.302		111361	71259
5.326		1865337	1605417
5.371		4810886	5464948
5.444		3710	3789
5.473		18296	19562
5.526		472158	417342
5.571		167430	120254
5.595		480980	404614
5.644		1141935	1042435
5.692		9540	9032
5.75		2278850	1963068
5.781		147747	106859
5.858		6754	6055
5.949		818879	714248
6.003		4238	2844
6.109	DCB	20280420	17428710
6.228		8755	5043
6.25		11567	9254
6.286		7462	10651
6.493		4989	9350
6.559		16817	17306
6.61		11549	64348
6.733		8424	22426
6.788		4529	4955
6.886		5829	13995
6.968		2084	4008
7.049		8292	11290
7.208		3210	12276

RT B	Compound B	Height B	Area B
7.3		2617	3559
7.422		4706	8791
7.597		2501	2916
7.852		6039	33491
7.917		2082	3025
8.218		22728	41548

AR1631724A EJAR163EJ CCAL 1714299999 10736 SW-846 8082

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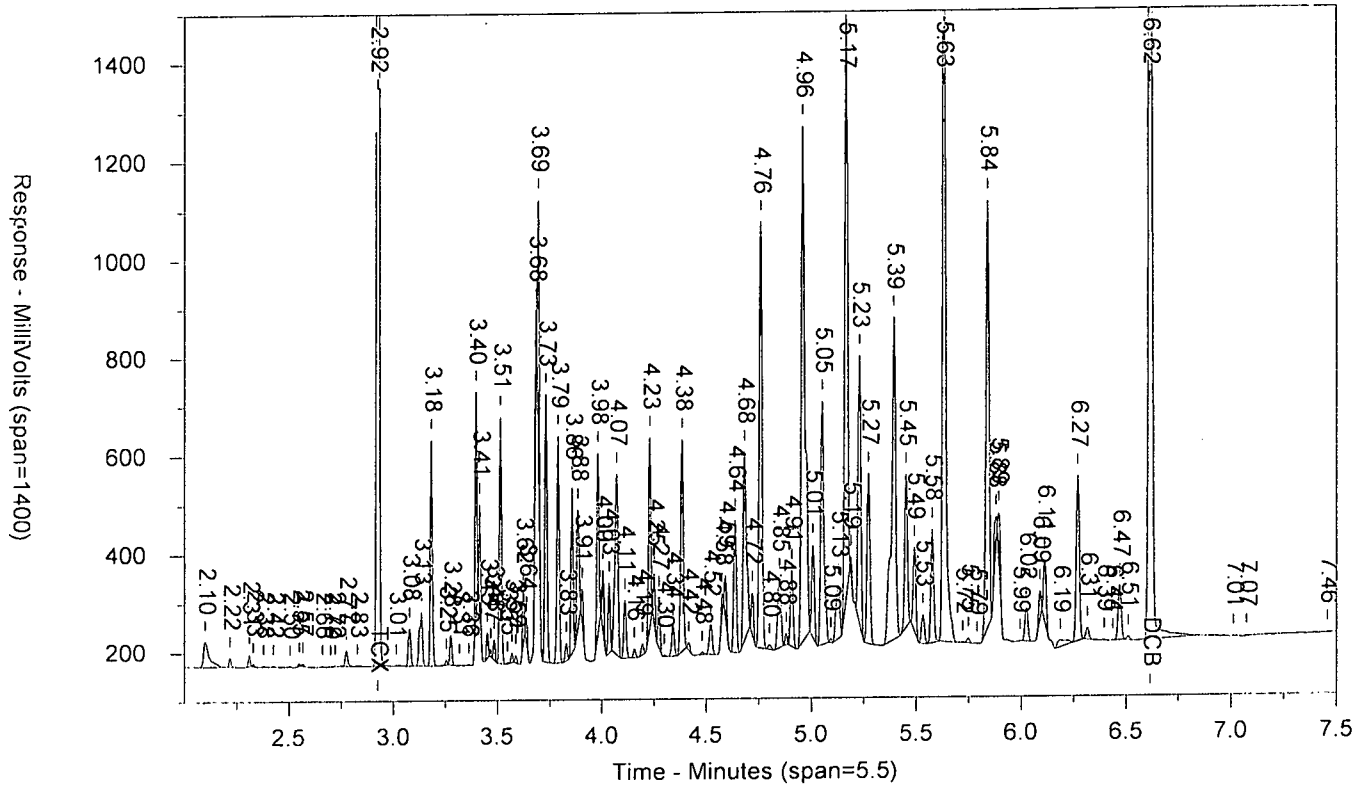

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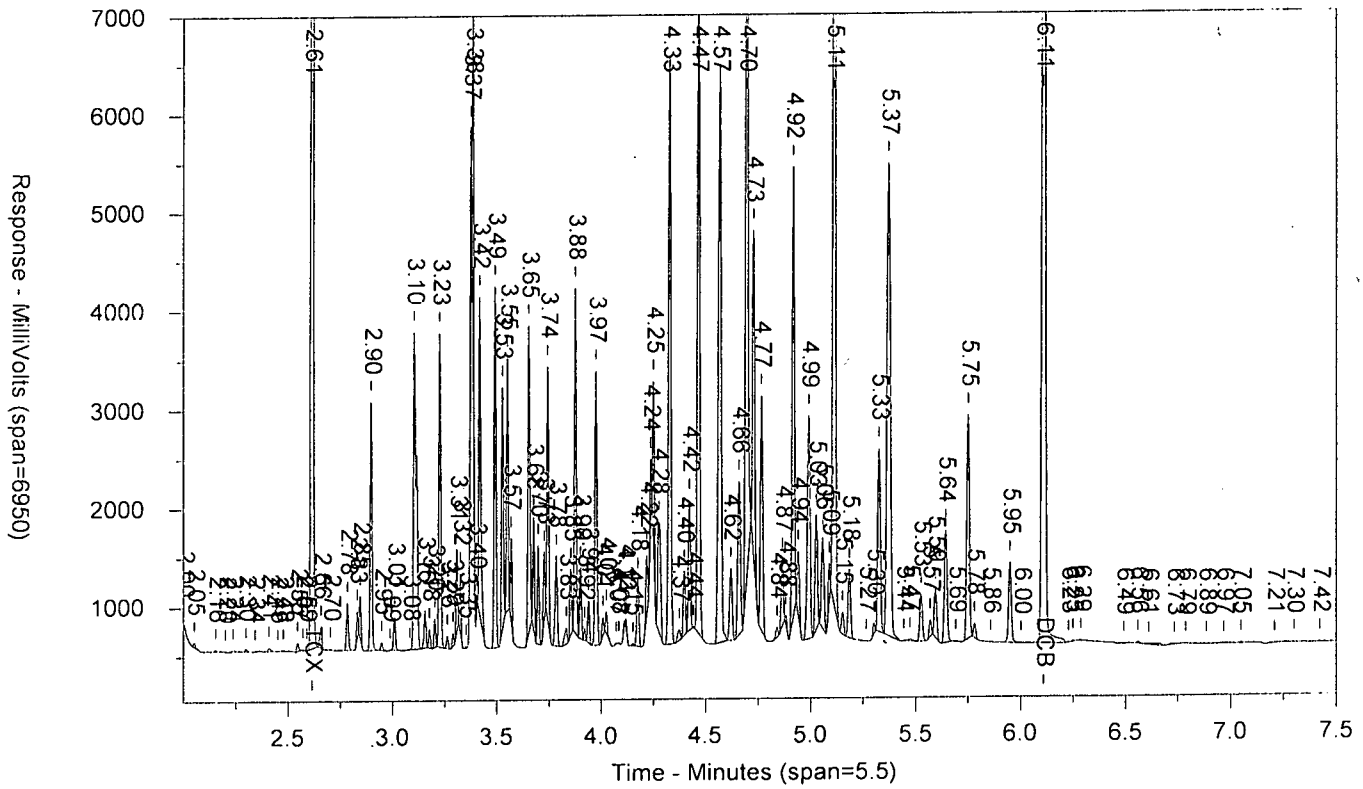

LANCASTER LABORATORIES

Sample Number: AR1631724A EJAR163EJ CCAL 1714299999 10736 SW-846 8082
Injected On: 5/24/2017 3:21:23 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	5229431	46.017	TCX	2.614	32467340	46.965	TCX
6.615	2819614	40.973	DCB	6.109	20280420	41.628	DCB

Files:
Area File: 20pcbs17137006.112.RAW
Area File: 20pcbs17137006B.112.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 3:30:07 PM
File Reported On: 5/24/2017 at 3:30:17 PM

AR1631724A EJAR163EJ CCAL 1714299999 10736 SW-846 8082

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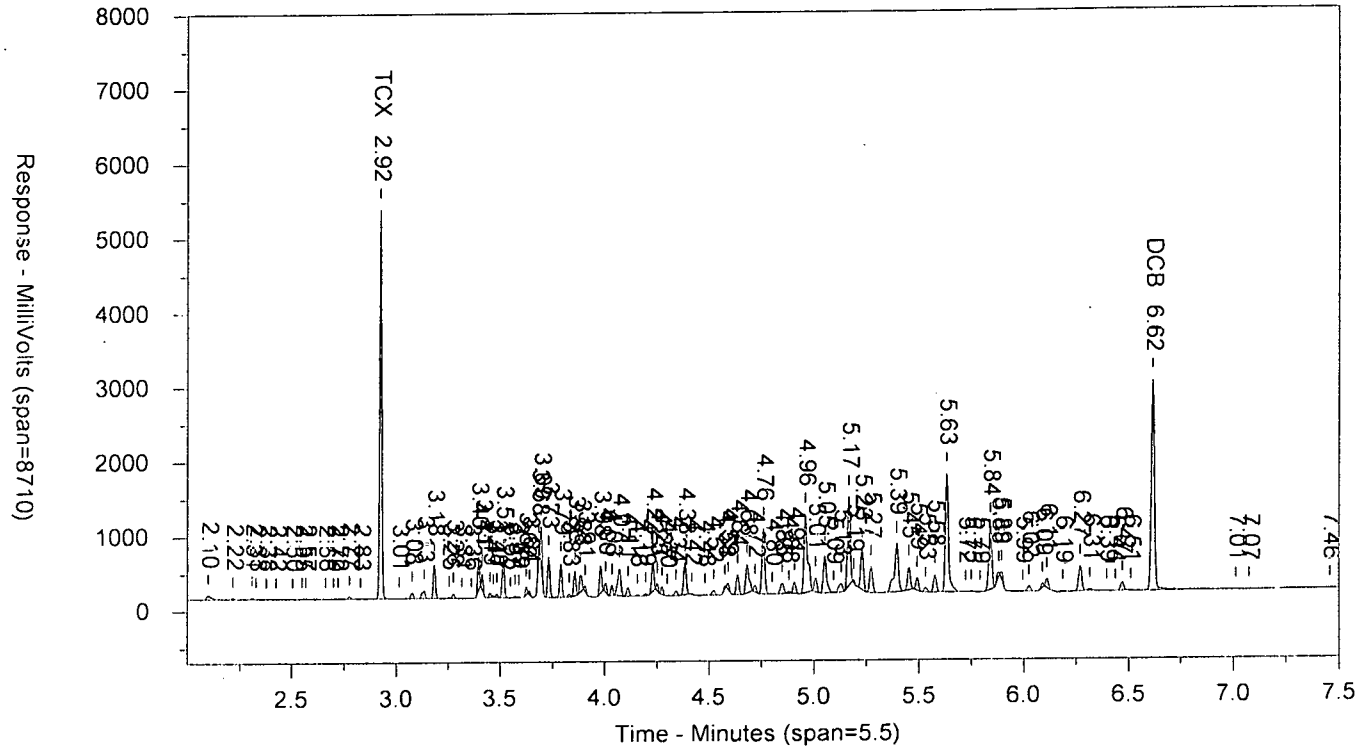

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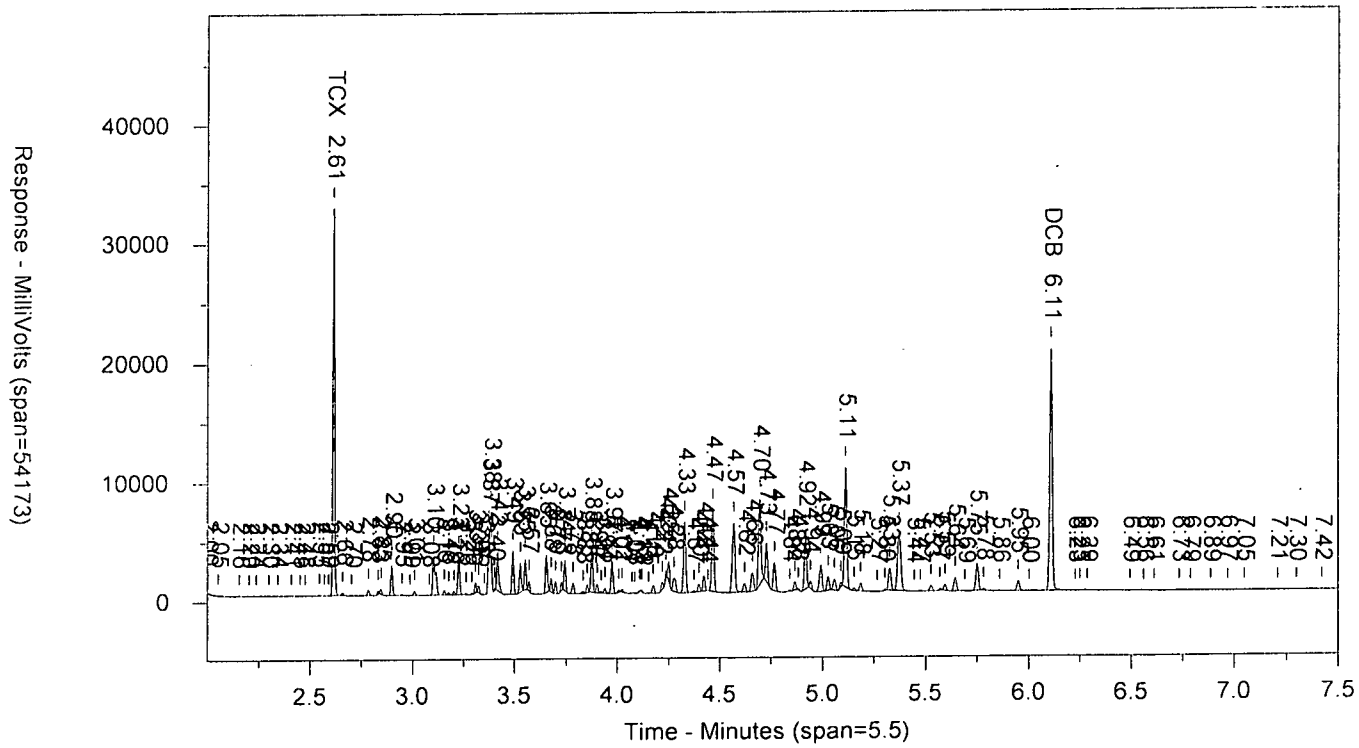

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YDPIBLKYD PIBLK1714299999 10736 SW-846 8082
Injected On: 5/24/2017 3:32:53 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: 20pcbs17137006.113.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.098		27177	52318
2.217		9592	7338
2.31		13986	8587
2.329		2375	1313
2.378		1976	2081
2.424		3036	2555
2.549		1729	1278
2.621		833	629
2.659		1087	979
2.73		534	923
2.775		24356	20103
2.828		3804	3541
2.924	TCX	2570228	1687457
3.124		34551	22069
3.193		3594	3094
3.255		5519	3933
3.364		867	569
3.401		1051	1010
3.532		1922	2149
3.568		10329	7097
3.667		6185	5120
3.73		1078	1480
3.791		614	468
3.852		2137	1965
4.07		861	1555
4.192		3260	5254
4.298		5273	5018
4.383		919	936
4.476		887	762
4.517		2766	4055
4.575		1972	1688
4.756		652	660
4.854		1166	838
4.88		10988	8830
5.006		1132	989
5.045		1571	1399
5.121		19640	18966
5.209		2367	3342
5.394		1043	782
5.472		1343	1607
5.531		16737	18167
5.652		33012	31840
5.84		2834	4824
6.024		33705	32966
6.087		34298	29944
6.11		4658	2898
6.277		566	925
6.391		1178	1412
6.468		17753	17450
6.513		588	497
6.613	DCB	1371572	1472738
7.073		1171	1780
7.157		652	302
7.511		504	590

RT A	Compound A	Height A	Area A
7.608		802	929
8.043		577	1572
8.341		750	414
8.468		854	561

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YDPIBLKYD PIBLK1714299999 10736 SW-846 8082
Injected On: 5/24/2017 3:32:53 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: 20pcbs17137006B.113.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		21353	12012
2.052		22100	17054
2.155		14396	9504
2.238		18571	25850
2.342		2493	1495
2.366		3124	2563
2.41		9394	10932
2.477		7958	11151
2.546		72956	54650
2.592		2960	1461
2.614	TCX	15739320	9048242
2.777		9043	5838
2.813		2718	2630
2.832		209809	132360
2.881		5729	3961
2.948		40450	24218
2.984		3789	3840
3.126		9837	24991
3.18		7106	12047
3.228		3241	2619
3.268		2229	1401
3.29		78964	44960
3.324		53433	31610
3.353		7403	3830
3.384		7405	7109
3.408		11270	8170
3.447		7211	10870
3.493		3898	2876
3.523		5708	2897
3.543		5209	5969
3.583		3234	1814
3.71		10082	13673
3.725		4145	2674
3.827		3117	2545
3.935		17752	12498
3.971		5893	9339
4.004		3622	1961
4.072		28882	26937
4.108		4311	2299
4.133		5159	3172
4.152		13522	14101
4.202		9066	11597
4.234		9593	15983
4.329		8046	6435
4.439		71061	58335
4.528		3336	4043
4.564		11306	14313
4.622		10713	6724
4.642		9392	5471
4.668		126061	98021
4.694		3603	2620
4.742		8103	22015
4.841		11861	23873
4.916		9328	7531

RT B	Compound B	Height B	Area B
4.942		3549	3408
4.982		15762	17137
5.027		2636	1908
5.061		98156	88112
5.111		5905	5517
5.156		2873	1779
5.184		207591	179614
5.3		2335	1179
5.325		3915	2623
5.373		10682	9934
5.424		3526	6187
5.473		3617	4001
5.526		233508	200915
5.595		265046	240410
5.644		74844	66950
5.716		1949	1955
5.747		2525	1639
5.949		117515	101022
5.98		3161	1354
6.072		1833	1510
6.108	DCB	9821383	8739147
6.559		7772	6486
6.592		2257	3069
6.764		1467	987
7.05		1814	2728
7.137		2215	3125
7.249		1391	1678
7.471		2162	3908
7.605		2675	4876
7.712		2638	4801
8.009		1847	1644
8.125		2220	1981
8.214		20196	35409
8.424		1565	770
8.59		2134	809

IBLKX1724A YDPIBLKYD PIBLK1714299999 10736 SW-846 8082

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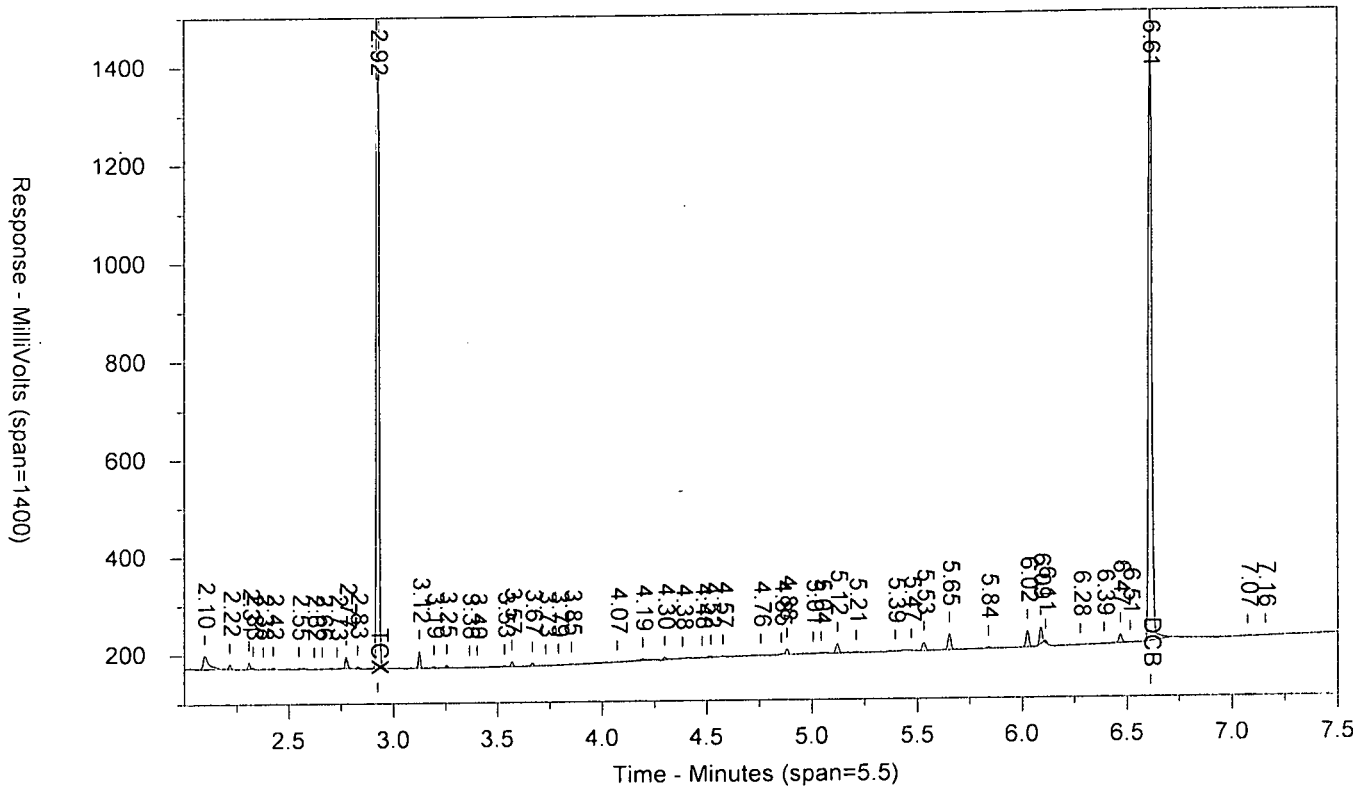

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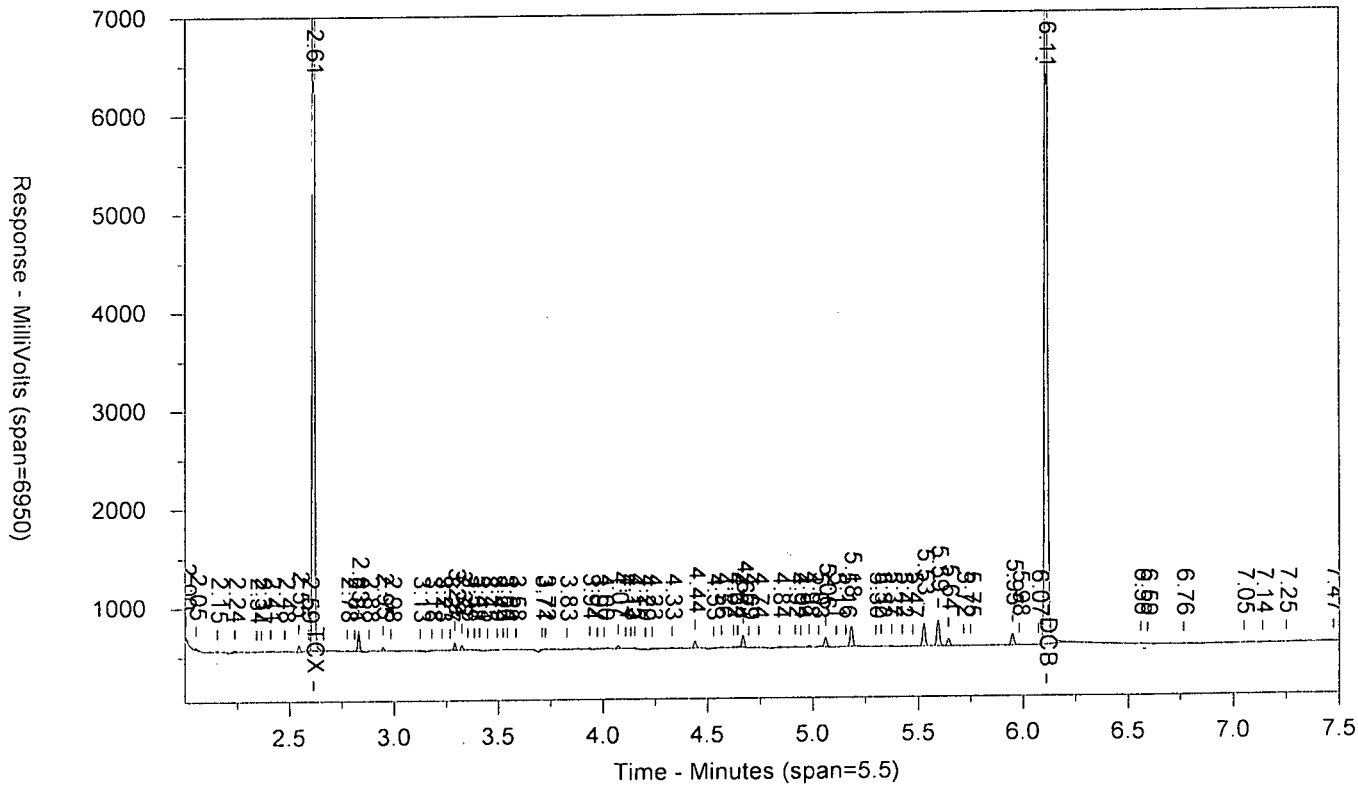


LANCASTER LABORATORIES

Sample Number: IBLKX1724A YDPIBLKYD PIBLK1714299999 10736 SW-846 8082
Injected On: 5/24/2017 3:32:53 PM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

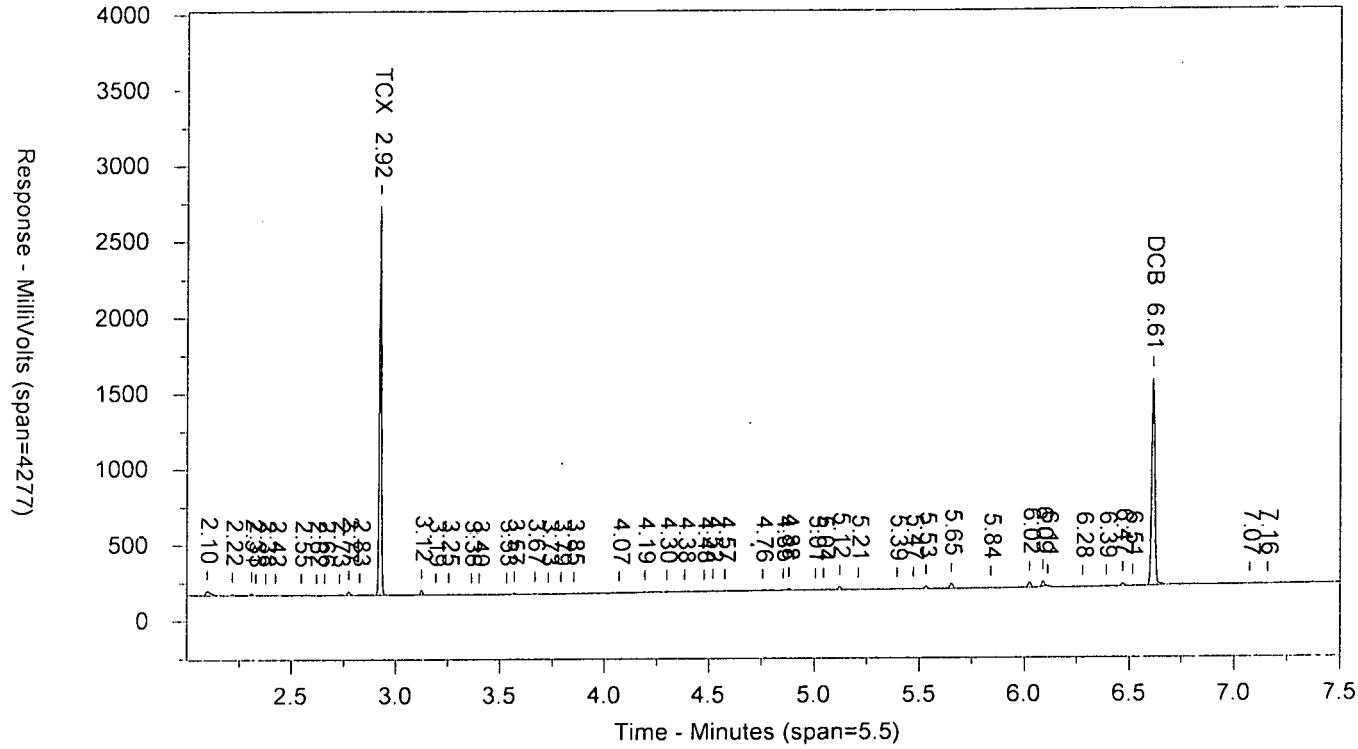
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2570228	.226	TCX	2.614	15739320	.228	TCX
6.613	1371572	.199	DCB	6.108	9821383	.202	DCB

Files:
Area File: 20pcbs17137006.113.RAW
Area File: 20pcbs17137006B.113.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 3:41:35 PM
File Reported On: 5/24/2017 at 3:41:41 PM

IBLKX1724A YDPIBLKYD PIBLK1714299999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137006.113.RAW



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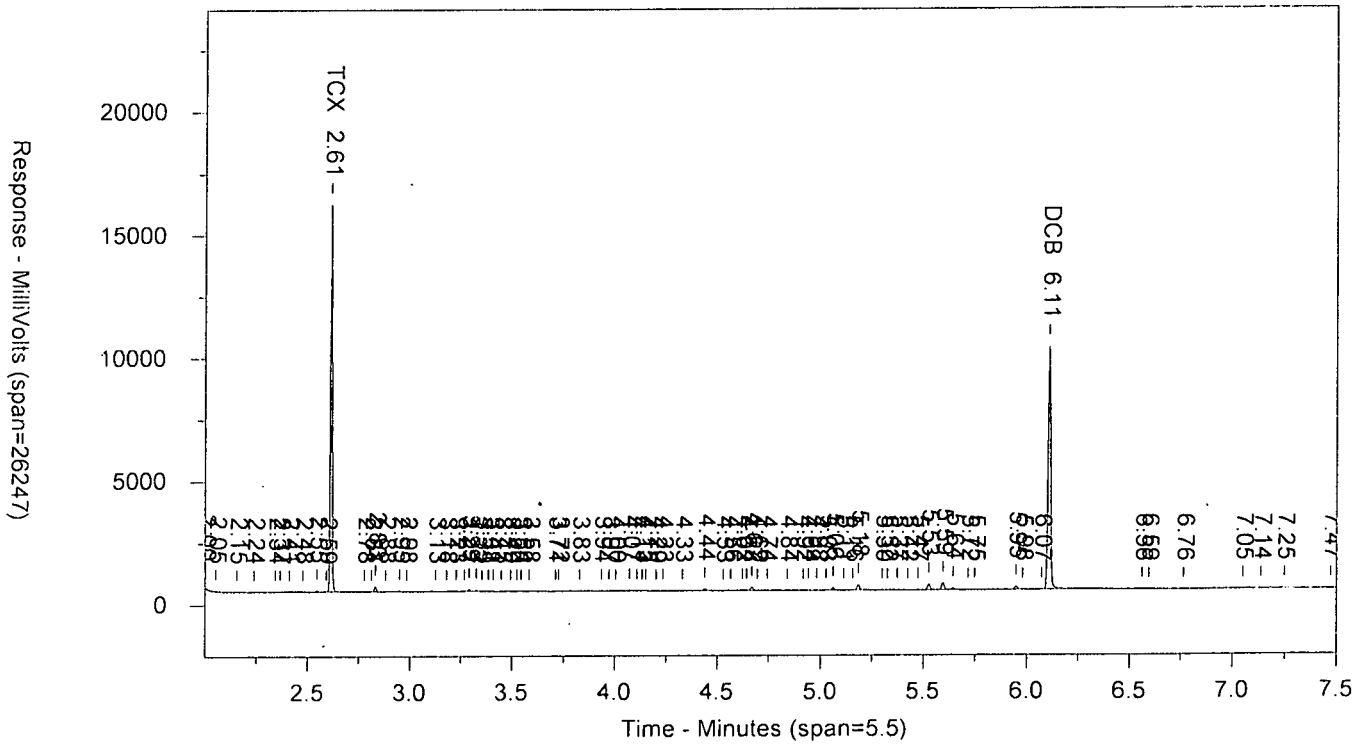

LANCASTER LABORATORIES

Sample Number: AR1631724A EKAR163EK CCAL 1714299999 10736 SW-846 8082
Injected On: 5/24/2017 6:47:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137006.130.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.098		39065	49060
2.217		17728	13492
2.31		16298	10162
2.328		5138	2799
2.376		3256	3491
2.424		3755	3565
2.497		1411	1477
2.549		3758	2255
2.566		3736	2242
2.658		1627	1518
2.702		570	800
2.719		1610	1518
2.774		16826	13246
2.83		3751	3886
2.924	TCX	4777842	3272968
3.028		1527	1535
3.076		73000	59420
3.134		100008	108331
3.182		419028	307867
3.254		9857	5517
3.275		55887	37821
3.313		1778	1465
3.396		422751	257183
3.413		189160	101972
3.45		51244	29846
3.466		13514	5419
3.482		40041	23038
3.512		470046	356369
3.547		2053	1089
3.567		14896	8857
3.586		12973	7408
3.623		97711	57073
3.637		44536	22171
3.681		231625	117558
3.692		463701	237005
3.729		535520	397121
3.787		432338	339923
3.828		35514	25143
3.855		318930	230743
3.882		227526	188901
3.904		77666	41665
3.978		349162	254877
4.003		119879	79394
4.033		135455	99210
4.069		360324	367999
4.109		116297	95230
4.155		16281	12123
4.193		20985	18527
4.227		382010	285693
4.248		93030	54162
4.271		100766	72739
4.297		2889	1995
4.338		60808	53279
4.382		402449	377814

RT A	Compound A	Height A	Area A
4.416		10752	7231
4.478		3927	3108
4.52		35910	36210
4.574		43052	27522
4.588		85763	57294
4.635		258736	239857
4.68		376472	420781
4.718		84362	59724
4.757		860192	805052
4.805		4519	4142
4.848		137688	158825
4.878		11476	6806
4.904		154263	142669
4.956		1023774	1273339
5.006		172882	166494
5.049		494990	524335
5.092		6730	3711
5.128		101719	125484
5.165		1211163	1113464
5.188		34981	17313
5.227		560380	505674
5.27		354780	340750
5.372		31332	47015
5.392		576835	500545
5.451		315598	293887
5.49		167563	146908
5.531		43096	42800
5.575		241449	228701
5.631		1605287	1625714
5.716		1430	1193
5.746		9989	9189
5.839		820964	900057
5.876		93765	100362
5.892		76624	53408
6.022		48410	54526
6.086		42668	31890
6.11		134909	118089
6.188		7186	13856
6.218		3348	3960
6.267		366076	361335
6.314		25970	25826
6.389		2754	3124
6.467		116103	115841
6.507		8173	8150
6.612	DCB	2835955	3006141
6.719		1603	3961
7.071		2914	4612
7.113		740	417
7.327		1357	1997
7.461		458	1496
7.747		413	1855
7.965		933	1419
8.075		1722	3910
8.328		674	514

LANCASTER LABORATORIES

Sample Number: AR1631724A EKAR163EK CCAL 1714299999 10736 SW-846 8082
Injected On: 5/24/2017 6:47:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137006B.130.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		11521	7244
2.052		40851	29269
2.118		2376	1260
2.155		9132	7974
2.237		26915	35774
2.298		24411	17717
2.365		6462	10102
2.395		2374	1557
2.409		22531	19171
2.475		7715	5653
2.527		7384	6100
2.545		47807	26360
2.57		7889	5915
2.59		10241	5076
2.614	TCX	29286340	17254420
2.658		185014	128388
2.702		6870	3506
2.784		431153	285552
2.832		263922	122113
2.846		395883	199665
2.898		2355207	1453015
2.948		78065	51798
3.009		314130	212016
3.083		3733	1545
3.104		3032780	2875741
3.156		323034	202910
3.177		172641	97268
3.202		267234	148031
3.226		2944208	1948619
3.262		110657	63802
3.29		101167	50270
3.308		788782	408984
3.324		506176	245490
3.352		13286	6799
3.374		1603106	761814
3.384		3845639	1594626
3.403		126201	46929
3.417		2728526	1869640
3.491		3520508	2134657
3.526		2357003	1415817
3.55		2484597	1364523
3.567		814161	412997
3.653		2974985	1894137
3.675		1041476	553836
3.697		972177	569140
3.725		682494	346570
3.742		2448342	1453152
3.783		875208	619557
3.831		119300	101556
3.853		657090	395310
3.875		3256272	2140007
3.9		716407	422926
3.919		111223	53749
3.938		388185	235516

RT B	Compound B	Height B	Area B
3.974		2629813	1841520
4.007		147947	87932
4.023		209528	134353
4.072		15495	8725
4.119		211638	180496
4.151		7357	7314
4.174		716981	510074
4.218		573627	355101
4.236		599476	320775
4.249		1765519	952930
4.275		1121563	1107717
4.327		6059574	4456036
4.375		84838	68349
4.397		674697	442803
4.421		1324871	980094
4.463		6839251	5457921
4.519		4172	4267
4.567		5627427	5441271
4.62		706416	580228
4.659		1615418	1356656
4.695		7597794	6090134
4.727		3337917	2328283
4.766		2481022	1907494
4.84		115759	88619
4.865		786619	797870
4.917		4336728	3408508
4.94		613992	389309
4.991		2251559	2039580
5.026		1189281	920727
5.056		836990	727016
5.088		391387	226649
5.111		10151730	8091489
5.152		211262	160531
5.184		465801	385491
5.301		114936	72159
5.326		1892724	1559857
5.37		4848563	5441985
5.445		5543	7101
5.472		20451	23270
5.525		323079	279881
5.57		178902	132724
5.594		278442	230469
5.643		1114389	959107
5.689		7477	7074
5.75		2210278	1914364
5.781		142964	104003
5.858		8036	7214
5.902		4586	4045
5.948		722273	653510
6.002		2853	1944
6.108	DCB	19667860	16553630
6.227		3215	1590
6.25		5733	5114
6.281		8933	10400
6.423		5706	9946
6.537		1730	709
6.558		14835	12459
6.607		3146	5533
6.656		5538	7783
6.688		3275	1703
6.727		7418	15278
6.787		6913	11621
6.885		4052	9957
6.999		910	3434
7.047		10681	16427
7.2		3492	8675

RT B	Compound B	Height B	Area B
7.299		1937	3184
7.422		2984	6595
7.594		2465	2905
7.71		3300	7964
7.796		2139	2654
7.92		2575	5379
8.057		1448	1206
8.216		19576	40088
8.447		2005	2060

AR1631724A EKAR163EK CCAL 1714299999 10736 SW-846 8082

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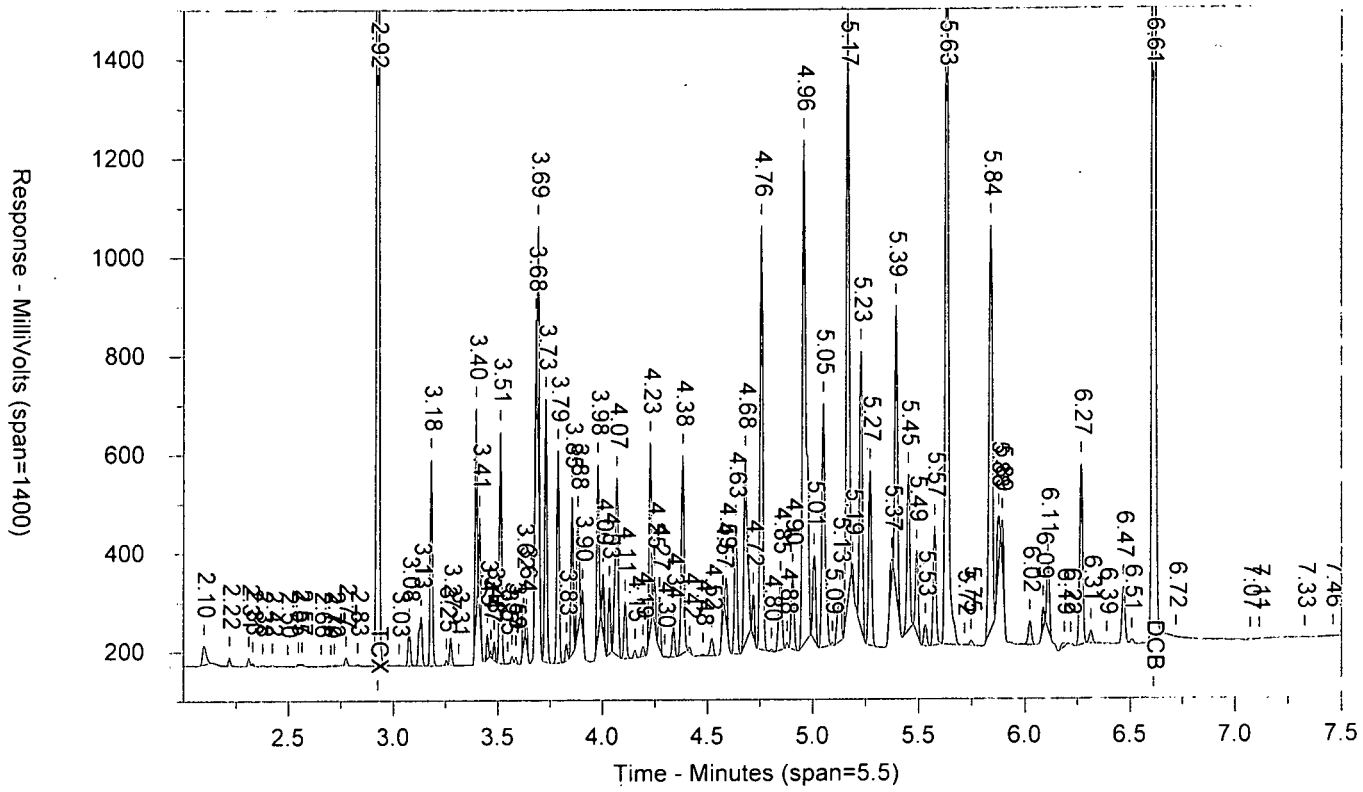

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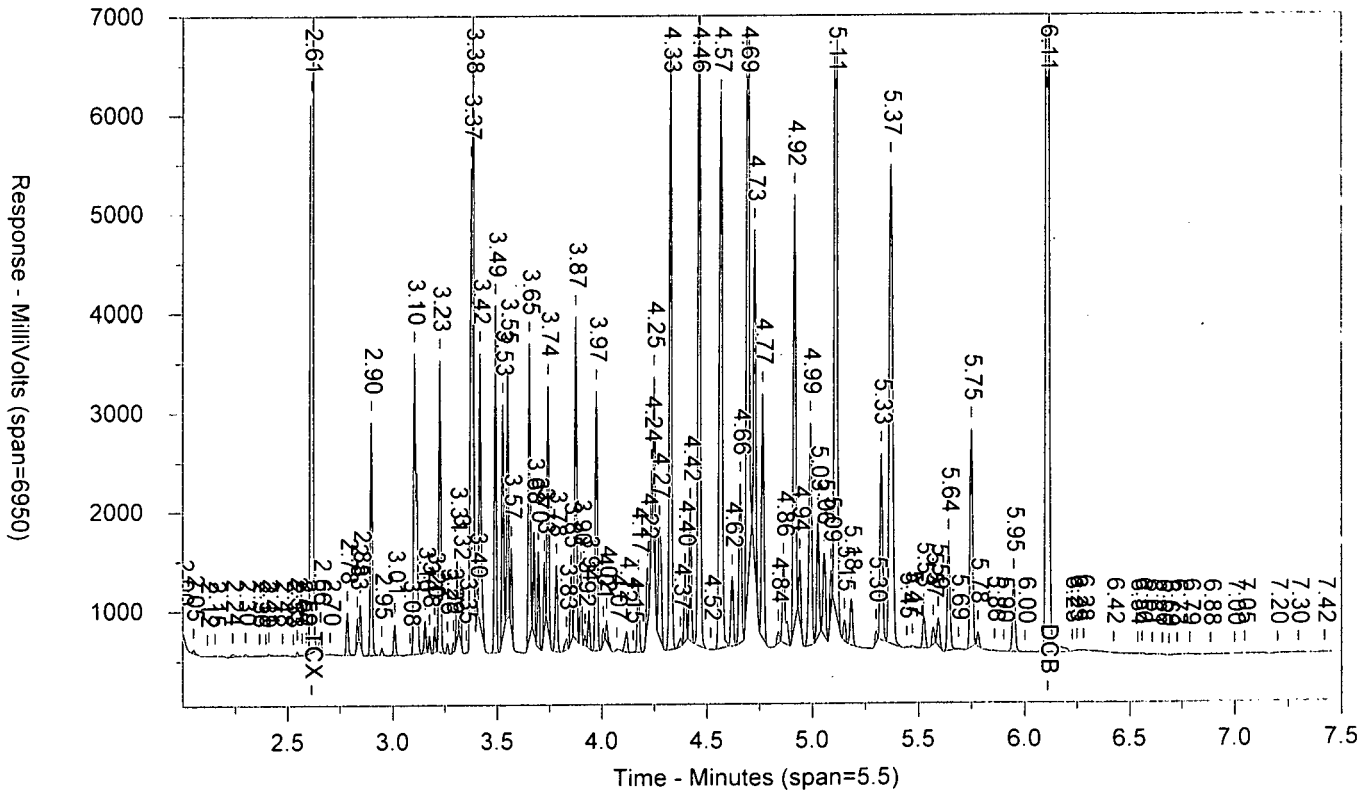

LANCASTER LABORATORIES

Sample Number: AR1631724A EKAR163EK CCAL 1714299999 10736 SW-846 8082
Injected On: 5/24/2017 6:47:12 PM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4777842	42.043	TCX	2.614	29286340	42.364	TCX
6.612	2835955	41.21	DCB	6.108	19667860	40.371	DCB

Files:
Area File: 20pcbs17137006.130.RAW
Area File: 20pcbs17137006B.130.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 6:55:56 PM
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AR1631724A EKAR163EK CCAL 1714299999 10736 SW-846 8082

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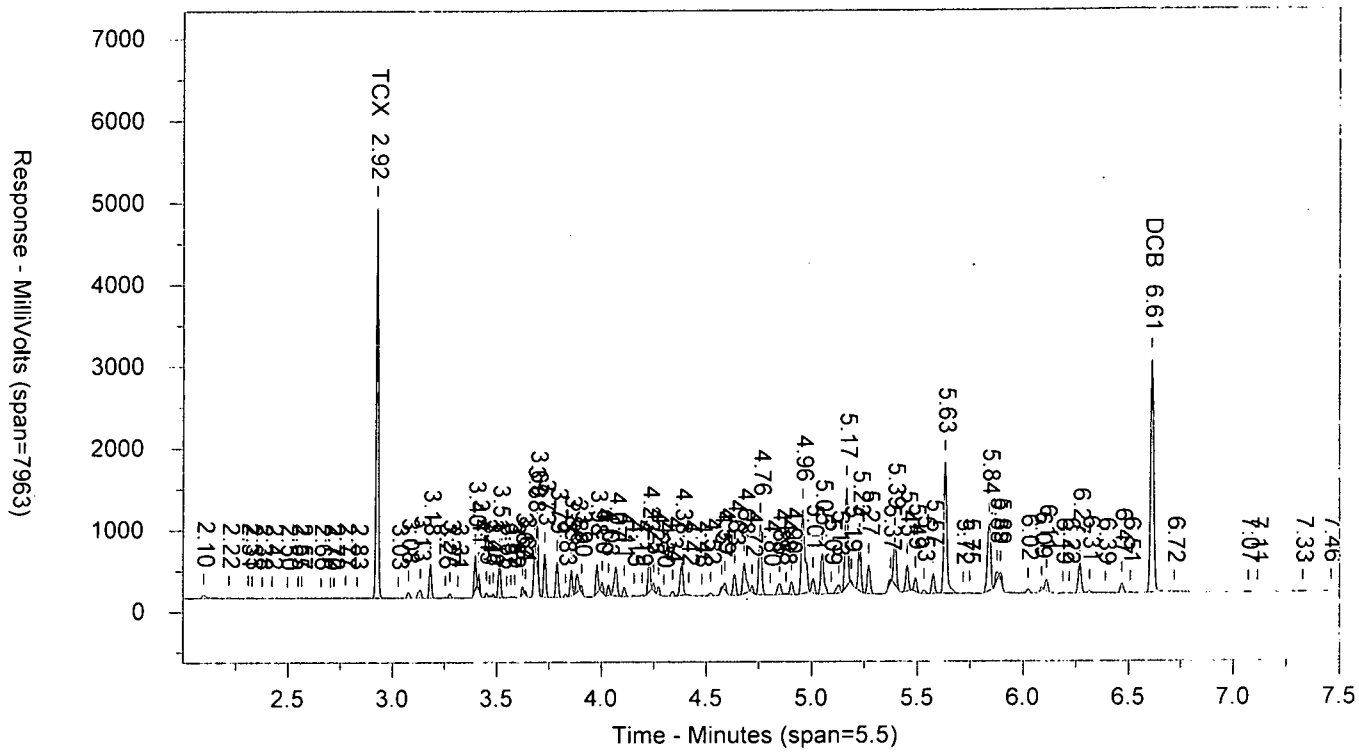

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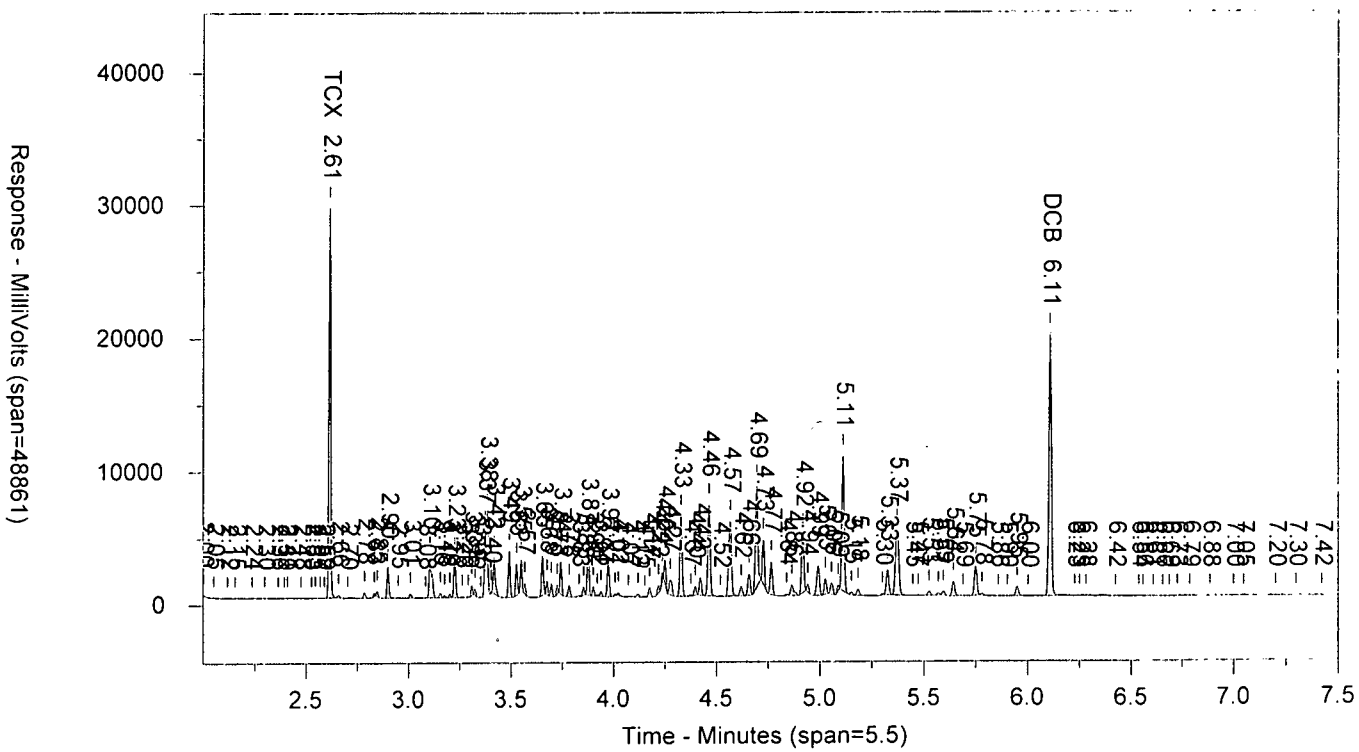

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YEPIBLKYE PIBLK1714299999 10736 SW-846 8082
Injected On: 5/24/2017 6:58:39 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137006.131.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.096		12906	17713
2.217		8411	7232
2.309		15598	9637
2.328		2234	1128
2.377		3249	3780
2.424		1712	1617
2.496		1201	1244
2.548		2017	1616
2.657		1137	1081
2.729		1004	1076
2.775		21400	17339
2.829		1390	1298
2.88		875	641
2.924	TCX	2386325	1572434
2.966		4797	6855
3.074		957	646
3.123		34331	22980
3.156		1153	932
3.194		1794	1599
3.254		5104	3395
3.363		1440	955
3.389		1507	2469
3.466		1201	1122
3.568		8083	5259
3.591		865	703
3.666		10696	9287
3.749		2050	2916
3.852		1322	1144
3.895		981	903
4.063		726	1231
4.103		829	1117
4.192		4105	6196
4.26		1670	1929
4.296		5029	4639
4.392		1173	1575
4.437		772	476
4.512		1439	1674
4.675		686	624
4.877		1926	1540
4.957		800	714
5.04		1852	2655
5.12		4705	4883
5.273		558	700
5.391		829	1978
5.529		4345	5078
5.651		9211	9304
5.837		1909	1927
6.023		15488	15993
6.059		992	691
6.088		16530	19630
6.28		935	3328
6.334		1391	1915
6.466		15165	15428
6.612	DCB	1462731	1549727

RT A	Compound A	Height A	Area A
7.068		1608	2082
8.679		3290	4045

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YEPIBLKYE PIBLK1714299999 10736 SW-846 8082
Injected On: 5/24/2017 6:58:39 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137006B.131.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		2854	1275
2.052		19164	15560
2.107		3597	5492
2.155		13449	12904
2.201		6350	3368
2.235		18941	22629
2.364		5706	8380
2.41		8716	7396
2.452		3527	2481
2.476		7353	12363
2.525		7672	5930
2.547		67359	53352
2.593		3259	1741
2.614	TCX	14372340	8418409
2.697		22530	53658
2.776		8737	6745
2.801		2274	1074
2.832		193284	120305
2.881		7518	6638
2.919		13540	10926
2.948		34372	19787
2.986		5519	2926
3.105		4712	9784
3.18		7384	9399
3.225		4503	3209
3.267		6098	4197
3.29		58766	32348
3.324		89486	53242
3.355		3196	1783
3.385		7540	7688
3.407		17125	12686
3.435		12390	12584
3.49		4971	4209
3.524		3603	1481
3.544		10642	12024
3.583		5818	2931
3.651		9502	17572
3.709		10809	9933
3.77		4630	4542
3.824		6847	5065
3.872		4447	8168
3.936		19321	12864
3.955		2706	1463
4.014		5788	10187
4.072		32090	28437
4.109		3953	5122
4.192		6289	8694
4.232		5865	4197
4.328		5021	4463
4.438		13503	10434
4.465		5079	7791
4.526		4869	5514
4.568		2271	1592
4.643		6944	4988

RT B	Compound B	Height B	Area B
4.667		20555	14928
4.696		5678	4166
4.763		2948	4361
4.84		5058	11921
4.915		4934	4493
4.983		3602	3718
5.062		25246	22675
5.11		7780	8003
5.154		5156	3682
5.183		57878	54137
5.371		5720	5695
5.525		107169	96065
5.594		119135	108367
5.643		26745	28808
5.751		2476	1653
5.948		93550	81245
5.982		3718	1742
6.071		1579	835
6.107	DCB	9451014	8483006
6.557		6026	5576
6.877		2017	2405
7.046		2217	2544
7.121		2060	2884
7.714		3178	4277
8.213		21210	41655

IBLKX1724A YEPIBLKYE PIBLK1714299999 10736 SW-846 8082

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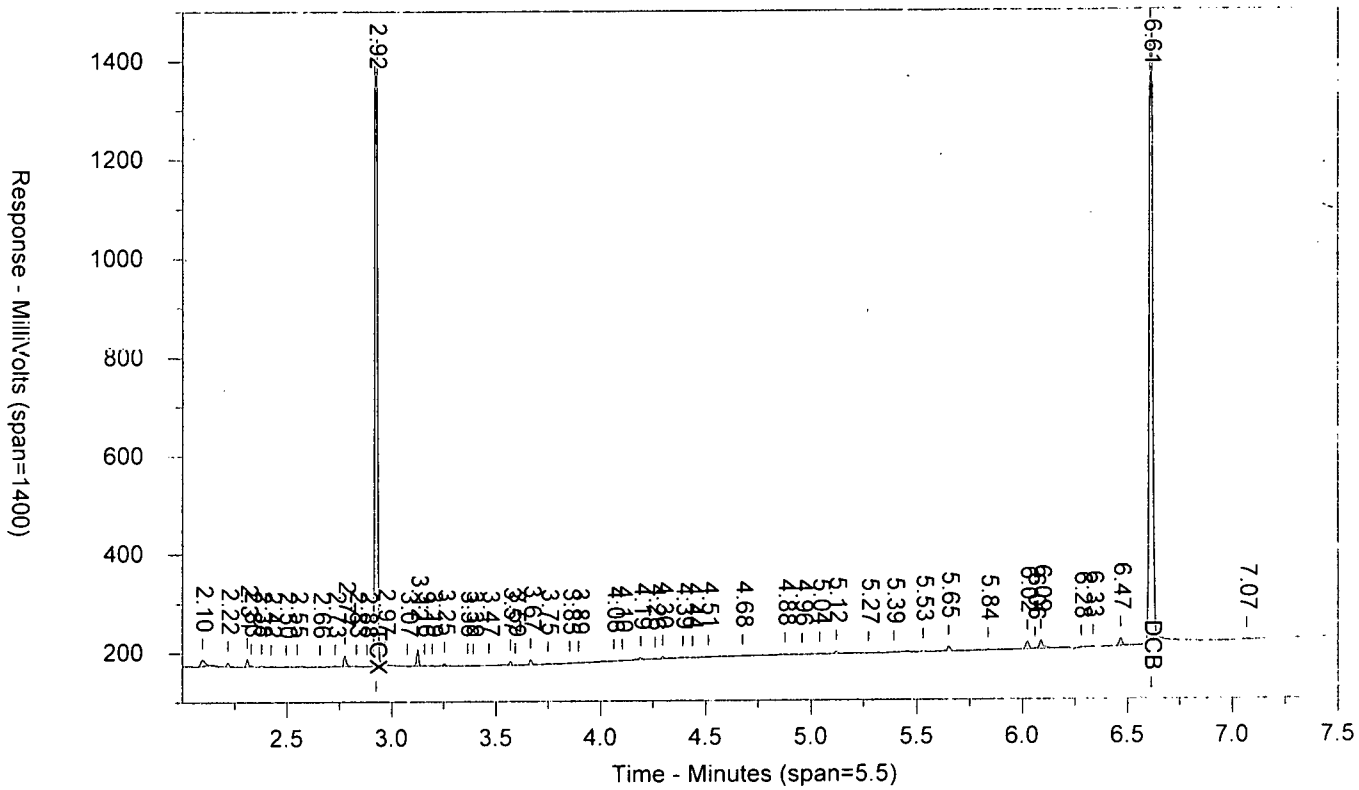

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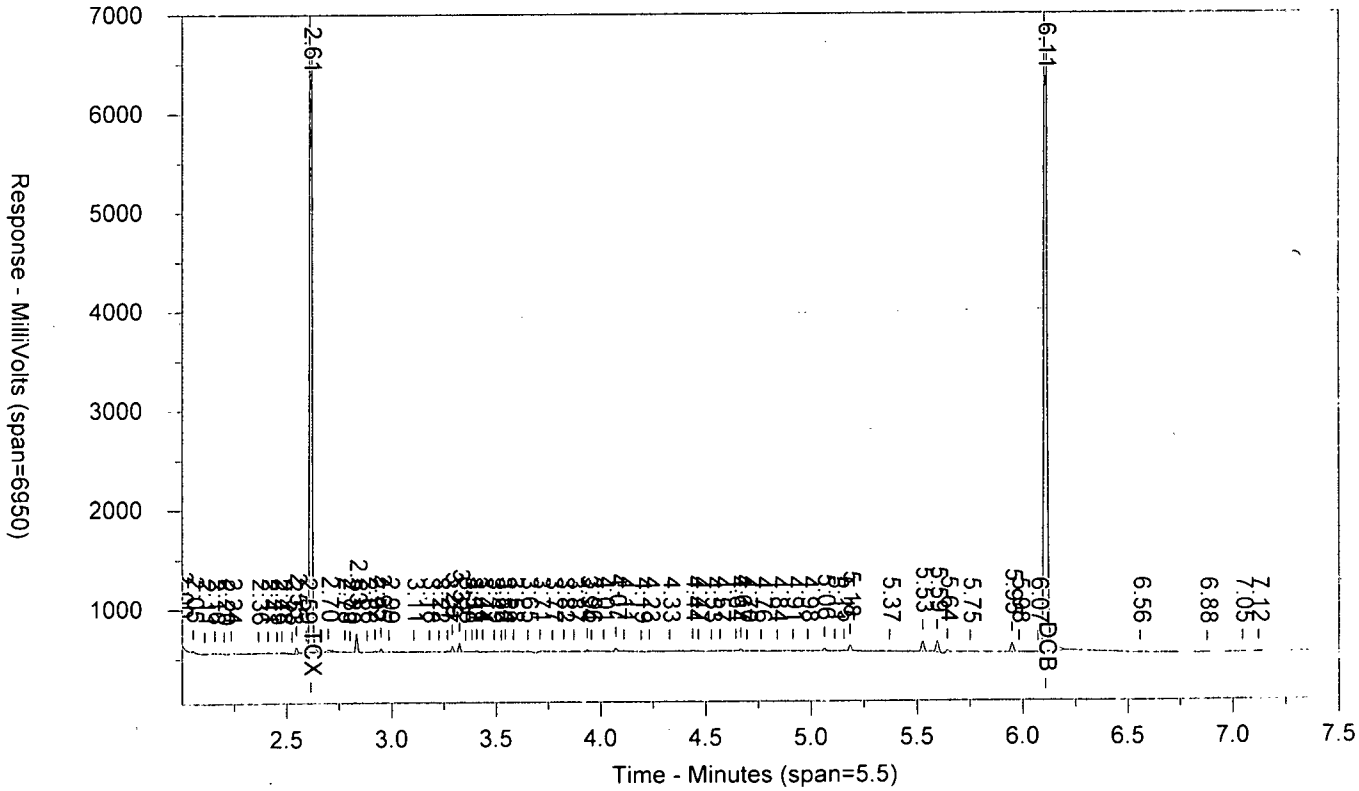

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YEPIBLKYE PIBLK1714299999 10736 SW-846 8082
Injected On: 5/24/2017 6:58:39 PM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2386325	.21	TCX	2.614	14372340	.208	TCX
6.612	1462731	.213	DCB	6.107	9451014	.194	DCB

Files:
Area File: 20pcbs17137006.131.RAW
Area File: 20pcbs17137006B.131.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 7:07:24 PM
File Reported On: 5/24/2017 at 7:07:30 PM

IBLKX1724A YEPIBLKYE PIBLK1714299999 10736 SW-846 8082

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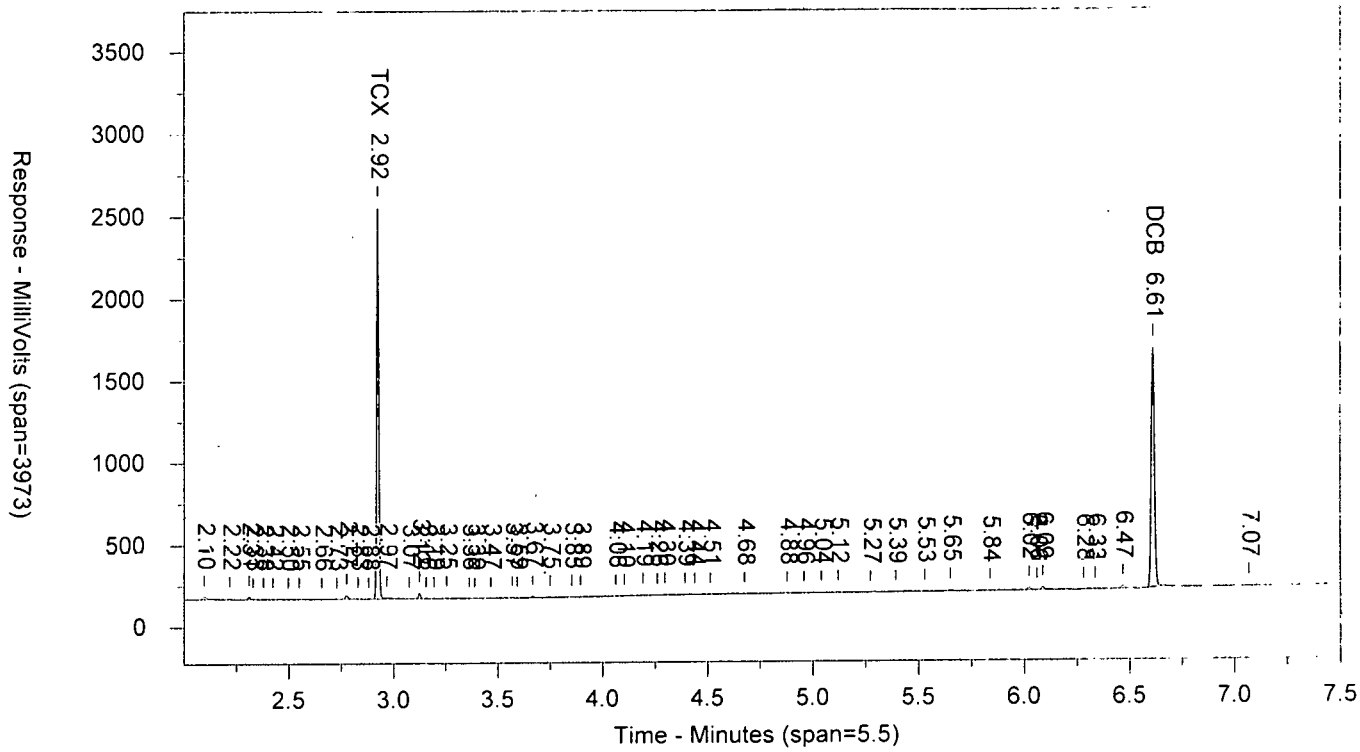

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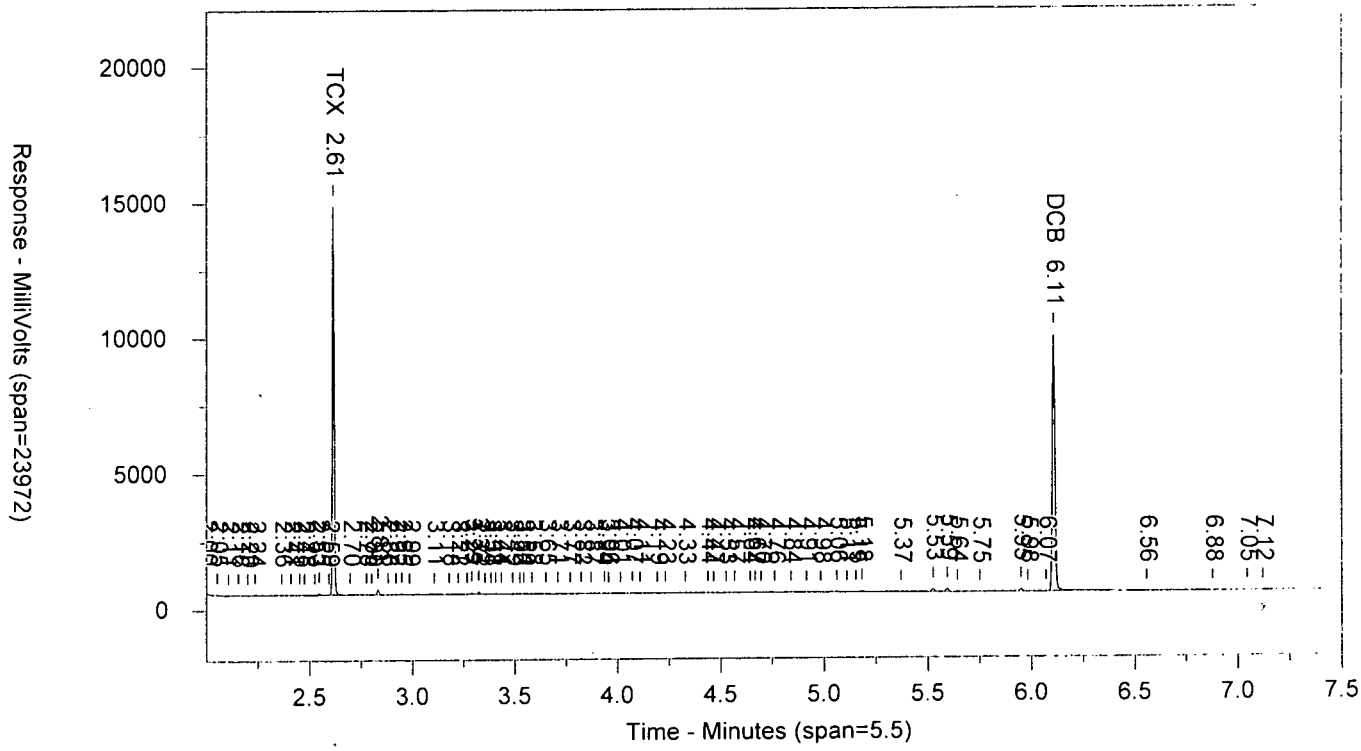

LANCASTER LABORATORIES

Sample Number: AR1631724A EPAR163EP CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 6:06:56 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.054.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		22523	30680
2.217		18441	13860
2.309		19737	12111
2.328		5358	2675
2.379		2128	2474
2.424		2839	2985
2.503		1261	1102
2.548		1591	1023
2.566		5199	3415
2.659		1305	1205
2.722		1345	1718
2.775		36235	30484
2.828		2738	2940
2.924	TCX	5189497	3367281
3.012		1374	731
3.027		1540	648
3.077		82581	66982
3.133		105174	111317
3.182		456306	318894
3.254		10016	5376
3.275		60175	39237
3.312		1773	1246
3.361		1106	879
3.396		443111	267012
3.412		203341	106201
3.449		53914	30788
3.465		15969	6632
3.482		42690	24226
3.511		489057	373582
3.546		1898	951
3.567		18330	10310
3.585		18393	10915
3.622		102661	59358
3.636		45401	23199
3.681		192569	116515
3.691		436808	226014
3.727		556698	421399
3.787		446963	354503
3.827		37248	26460
3.853		326286	239338
3.881		251746	201680
3.902		67169	35991
3.978		357302	259432
4.002		116404	78229
4.032		138986	101561
4.068		361403	378177
4.108		118032	97116
4.153		16482	13281
4.192		21425	17880
4.226		374203	288652
4.247		95282	54452
4.27		99119	69197
4.298		4006	3215
4.337		61272	53109

RT A	Compound A	Height A	Area A
4.381		421329	384977
4.414		12593	8422
4.477		5292	4708
4.517		66916	68281
4.573		44588	29866
4.588		85134	57097
4.634		270288	238168
4.678		373984	416033
4.716		84472	63030
4.755		878982	799930
4.799		9917	10204
4.846		139767	157286
4.877		23044	15556
4.903		148893	133081
4.956		1001396	1266415
5.005		180570	164060
5.049		479594	518676
5.091		9257	5598
5.126		108571	135823
5.164		1135789	1098812
5.187		32908	13892
5.226		528396	491854
5.269		347194	334868
5.391		660867	885335
5.45		300478	285292
5.49		161219	145219
5.531		56498	56366
5.574		228178	219299
5.631		1522602	1581423
5.748		2497	2127
5.838		817417	861588
5.877		52468	65355
5.889		70580	54566
6.023		65622	63507
6.087		57410	45051
6.109		129279	112872
6.179		3993	5837
6.266		340626	337763
6.311		23024	23135
6.392		1356	1712
6.434		1157	888
6.466		107521	114761
6.506		2271	1854
6.612	DCB	2589863	2779777
7.068		2262	2752
7.483		373	1511
8.685		4207	6793

LANCASTER LABORATORIES

Sample Number: AR1631724A EPAR163EP CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 6:06:56 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.054.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		18563	15363
2.052		43130	27645
2.114		2479	1830
2.154		18016	18959
2.2		9571	4823
2.236		18825	29582
2.298		28509	19723
2.36		6442	10320
2.409		13758	14942
2.45		4828	2889
2.476		7431	12068
2.545		100319	66694
2.569		7077	3810
2.589		5145	2537
2.614	TCX	31674370	18028230
2.657		210451	146641
2.702		12478	10378
2.784		503029	326364
2.831		267983	126962
2.845		415455	206190
2.897		2476583	1523941
2.947		81834	52375
3.008		338134	222149
3.104		3189381	3025825
3.155		358540	219701
3.176		199972	111043
3.201		281064	155126
3.225		3142116	2048502
3.262		138344	81245
3.29		116168	57117
3.308		823802	421203
3.323		560877	270631
3.351		8322	4043
3.373		1899295	895691
3.383		3410443	1493618
3.403		140554	55087
3.417		3179782	2012577
3.49		3699459	2229797
3.525		2490858	1479555
3.549		2669797	1459617
3.567		870880	424009
3.652		3059029	1965421
3.674		1095703	596748
3.696		949546	548068
3.724		726538	375705
3.741		2578458	1487767
3.782		919193	647624
3.83		172473	145310
3.852		667849	401296
3.874		3379212	2187426
3.899		717308	422517
3.918		112953	57029
3.937		401560	243825
3.972		2802317	1879374

RT B	Compound B	Height B	Area B
4.006		146986	86727
4.022		249834	152418
4.07		14222	8834
4.083		19680	10620
4.108		72259	47176
4.116		84473	42903
4.15		26309	14550
4.173		701558	483322
4.217		576429	357365
4.235		730286	357713
4.248		1835722	981006
4.274		1089073	1111087
4.326		6007221	4508104
4.37		107042	100329
4.396		634322	429762
4.42		1306106	927442
4.439		12340	3477
4.463		6990219	5248588
4.514		3384	3757
4.565		5577510	5409704
4.619		738518	626170
4.657		1564428	1404656
4.693		7104660	6024663
4.726		3229276	2288586
4.764		2385714	1849906
4.839		29180	22642
4.864		812463	830737
4.915		4237394	3397319
4.939		632055	408413
4.989		2270179	2044630
5.025		1197128	922937
5.055		882401	788638
5.086		411593	240056
5.109		9527657	7958704
5.15		225942	160166
5.183		635989	537434
5.301		114770	74396
5.325		1854509	1617901
5.369		5502750	6249137
5.436		5109	4523
5.47		13460	13340
5.525		463222	397667
5.569		165334	116715
5.593		464090	373338
5.642		1242100	1049937
5.689		3590	3497
5.749		2385545	1987498
5.78		139649	101823
5.9		4111	3650
5.948		779848	700115
6		3425	2447
6.067		2789	2245
6.107	DCB	19637640	17076540
6.283		7208	11191
6.557		16469	14534
6.727		5237	12783
6.781		2752	7124
6.88		1966	3902
7.044		2628	2577
7.191		2680	4538
7.296		2501	7798
7.598		2758	4852
7.708		1829	2015
7.836		2331	3595
7.957		846	3935
8.059		2253	3721

RT B	Compound B	Height B	Area B
8.214		20282	37370
8.395		1494	7648

AR1631724A EPAR163EP CCAL 1714399999 10736 SW-846 8082

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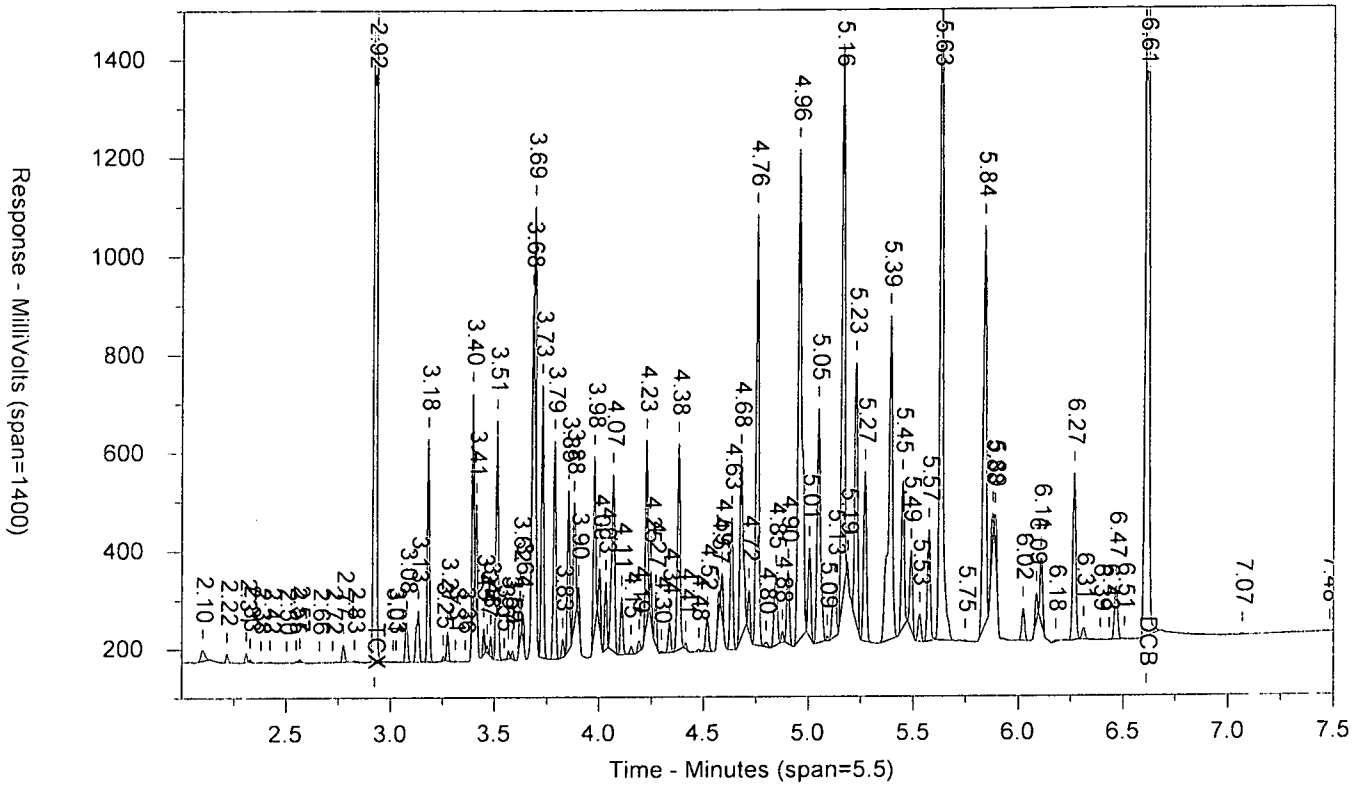

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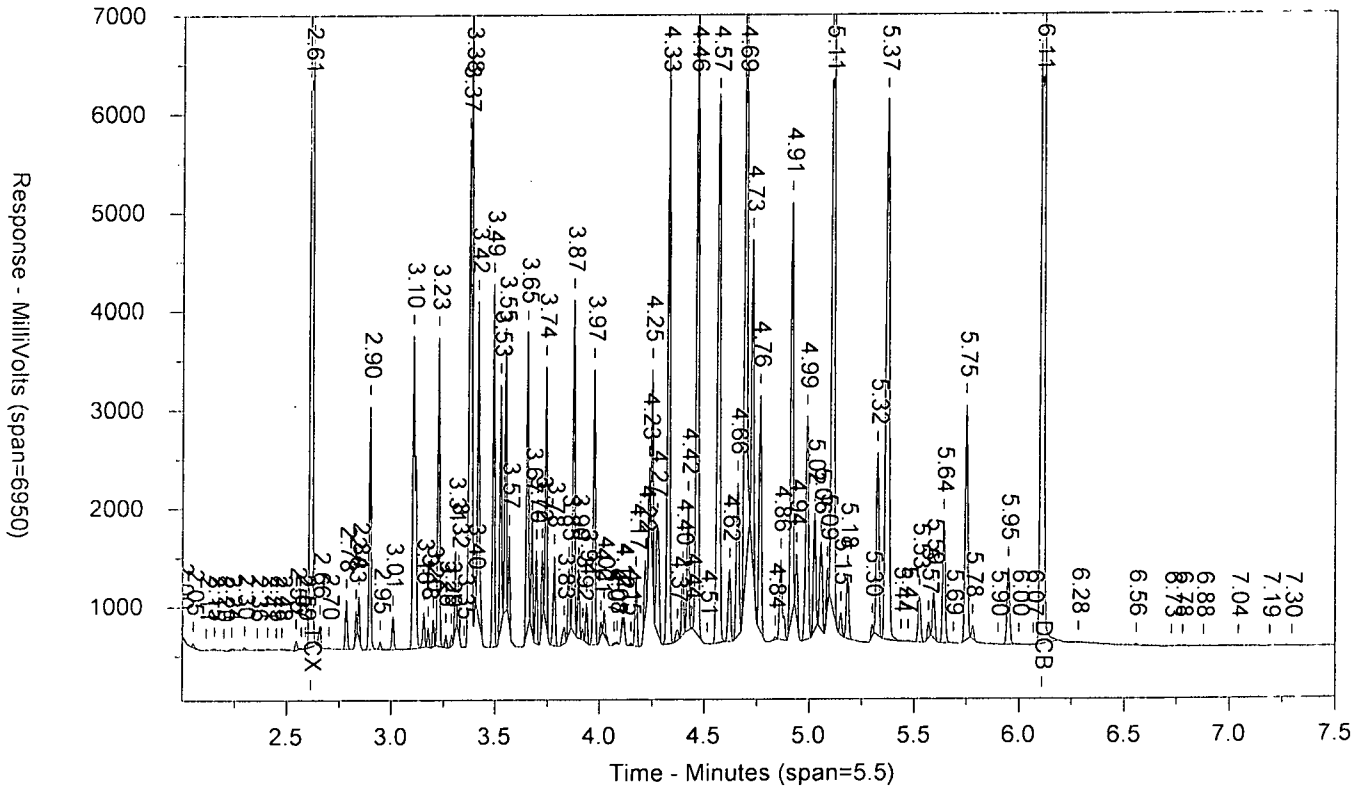

LANCASTER LABORATORIES

Sample Number: AR1631724A EPAR163EP CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 6:06:56 AM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	5189497	45.666	TCX	2.614	31674370	45.818	TCX
6.612	2589863	37.634	DCB	6.107	19637640	40.309	DCB

Files:
Area File: 20pcbs17137007.054.RAW
Area File: 20pcbs17137007B.054.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 6:15:40 AM
File Reported On: 5/25/2017 at 6:15:45 AM

AR1631724A EPAR163EP CCAL 1714399999 10736 SW-846 8082

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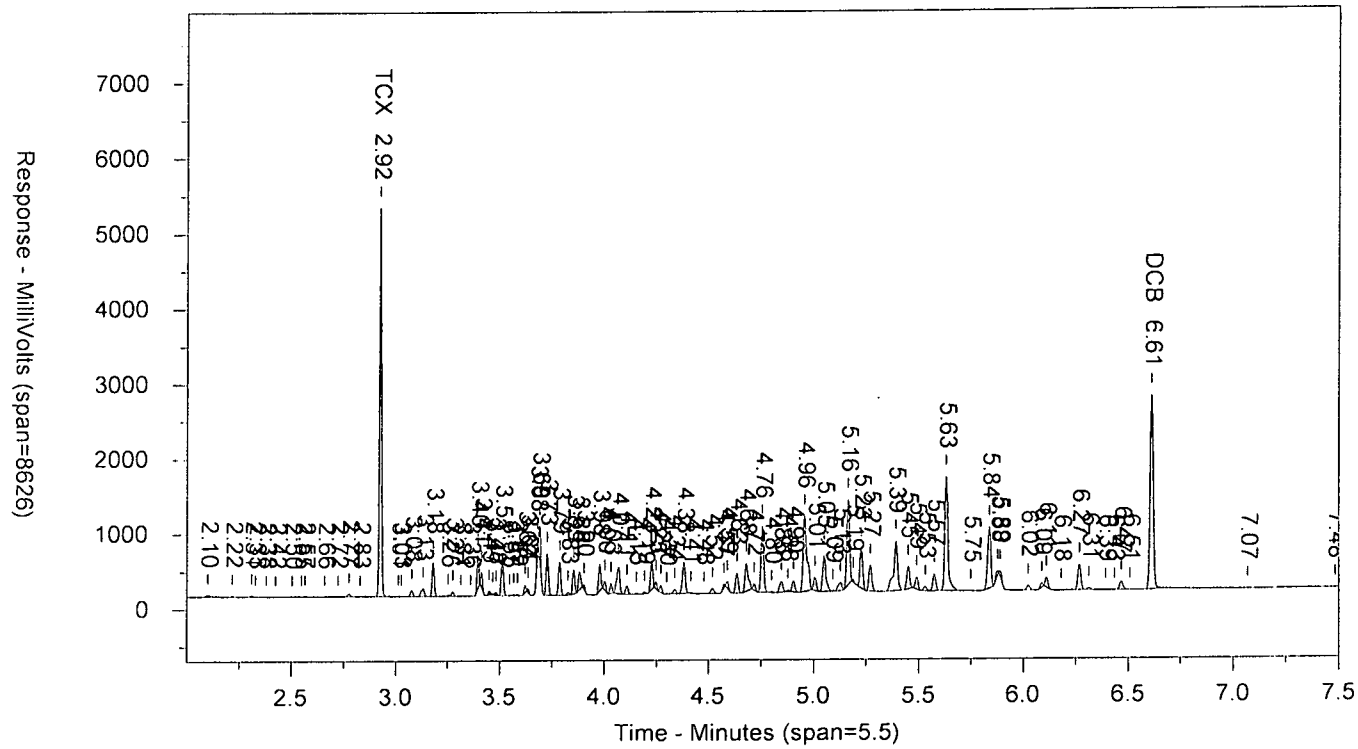

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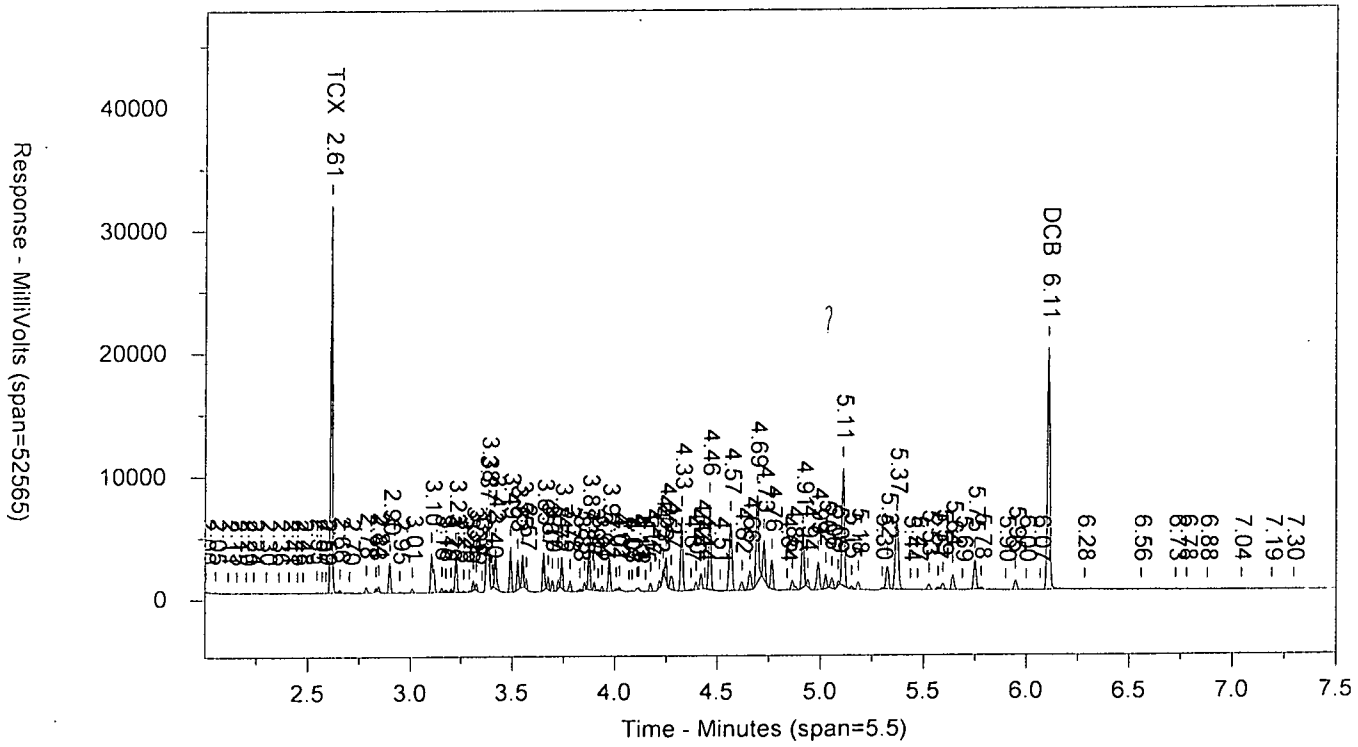

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YVPIBLKYV PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 6:18:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.055.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		12651	19726
2.138		1895	2851
2.217		9022	6769
2.309		13812	8853
2.328		2430	1436
2.38		2153	2600
2.424		2687	2517
2.548		2124	4130
2.659		1070	901
2.774		20020	15833
2.827		2680	2361
2.924	TCX	2421964	1631627
3.074		1061	1099
3.123		34656	21784
3.194		2828	2765
3.236		559	359
3.253		5344	3267
3.313		990	919
3.391		974	925
3.466		837	723
3.493		875	493
3.535		1478	1522
3.568		8196	6053
3.665		5472	4887
3.731		559	429
3.847		1591	1403
4.06		984	3189
4.192		3570	5872
4.297		5495	7278
4.51		2030	2305
4.573		1556	1600
4.879		7119	6343
5.066		817	775
5.119		13453	13489
5.206		2076	2477
5.37		588	818
5.53		13238	13262
5.598		678	787
5.651		22391	23110
5.838		1451	1663
6.023		25498	25345
6.088		26088	23381
6.109		4375	2797
6.39		954	1196
6.466		17475	18130
6.611	DCB	1450722	1522209
7.066		1420	1975
7.411		702	568
8.682		3944	4834

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YVPIBLKYV PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 6:18:24 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.055.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		9416	7486
2.052		21401	15386
2.155		9147	9204
2.238		19816	36800
2.409		5134	5178
2.452		4120	2583
2.476		4182	3078
2.546		57242	34050
2.614	TCX	15237960	8826218
2.777		7849	5159
2.801		3175	2383
2.831		203398	132029
2.913		6267	23109
2.947		39158	22485
3.087		2401	1484
3.182		14318	25582
3.264		2868	2620
3.29		63023	32782
3.324		47695	35158
3.382		5287	6388
3.407		10994	8697
3.448		9064	14068
3.495		3347	3734
3.542		3962	1574
3.581		3726	2057
3.722		9571	24378
3.813		1717	738
3.86		1426	921
3.934		20138	13624
3.977		3493	6739
4.019		7833	11027
4.071		28748	23866
4.129		2871	1415
4.149		9910	10538
4.2		7842	9877
4.237		8009	18145
4.33		4303	3313
4.369		2530	2519
4.438		54667	55354
4.533		2531	5823
4.565		4907	7517
4.619		5565	3852
4.666		95104	74055
4.74		3726	2708
4.838		2990	8450
4.915		5266	4292
4.981		8603	10284
5.06		81751	83974
5.155		2143	4940
5.183		149161	125112
5.325		2489	2699
5.37		7013	6377
5.419		2693	4822
5.525		187927	159921

RT B	Compound B	Height B	Area B
5.593		217551	188040
5.642		59477	54142
5.901		3201	2780
5.948		114906	98822
5.979		2578	1563
6.107	DCB	10490180	9287233
6.556		8012	7440
7.603		1852	1616
7.778		2184	2643
8.212		22757	41390
8.662		1656	1837

IBLKX1724A YVPIBLKYV PIBLK1714399999 10736 SW-846 8082

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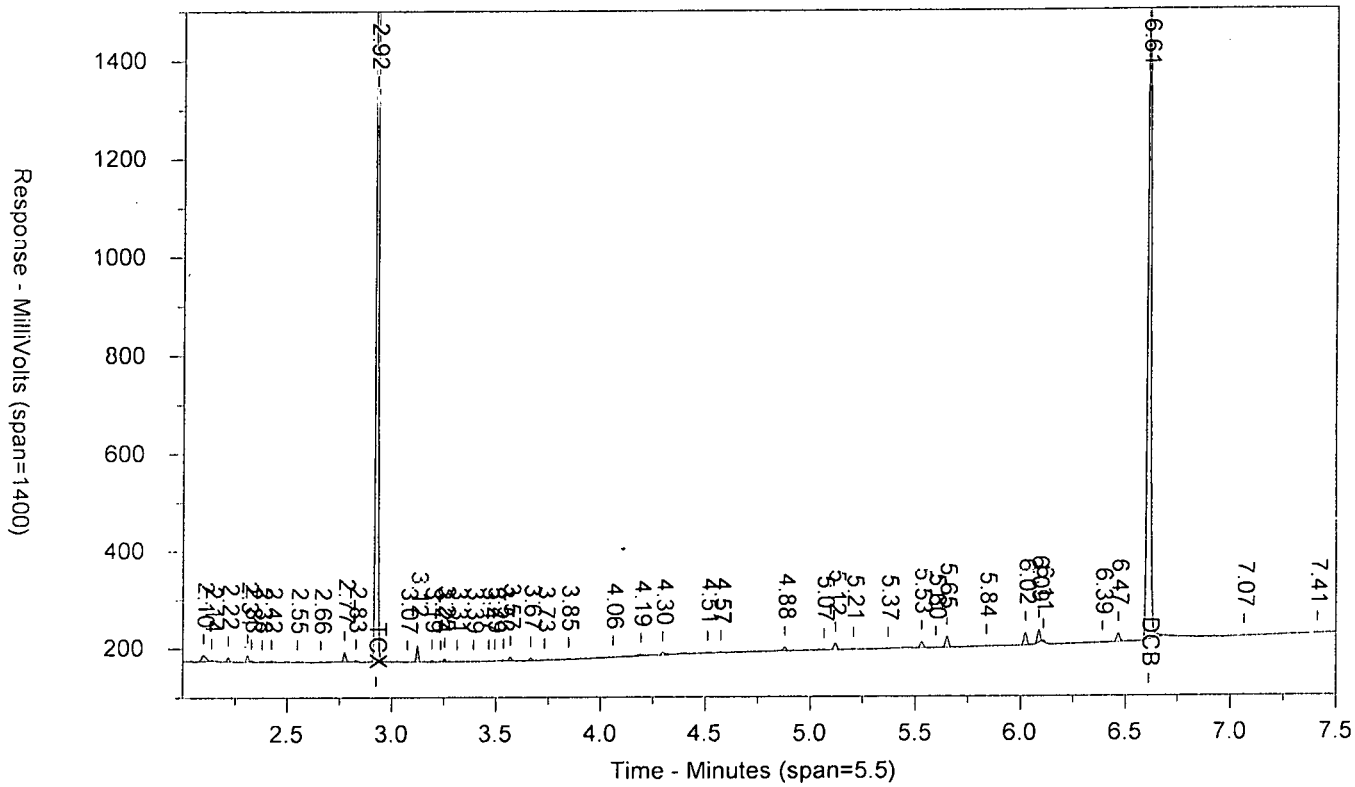

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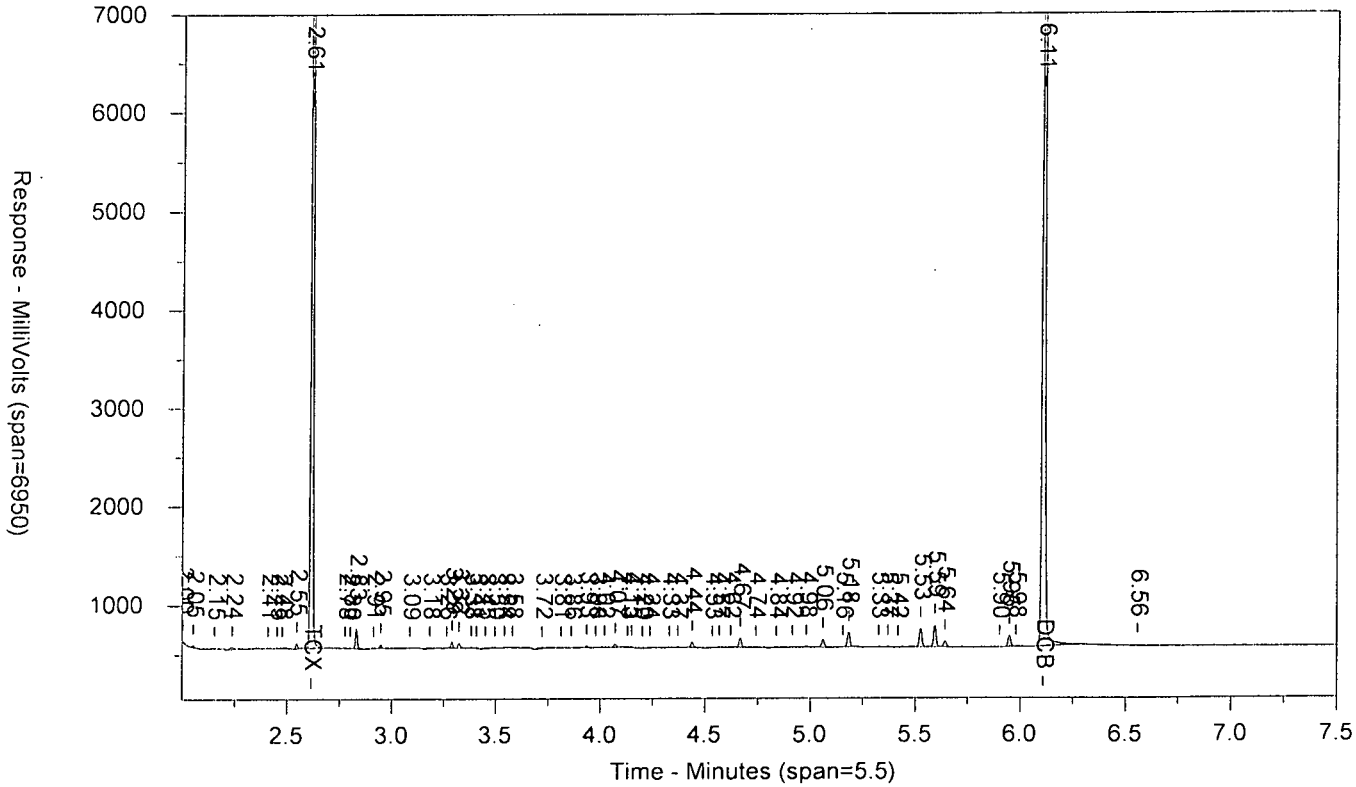

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YVPIBLKYV PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 6:18:24 AM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2421964	.213	TCX	2.614	15237960	.22	TCX
6.611	1450722	.211	DCB	6.107	10490180	.215	DCB

Files:
Area File: 20pcbs17137007.055.RAW
Area File: 20pcbs17137007B.055.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 6:27:08 AM
File Reported On: 5/25/2017 at 6:27:19 AM

IBLKX1724A YVPIBLKYV PIBLK1714399999 10736 SW-846 8082

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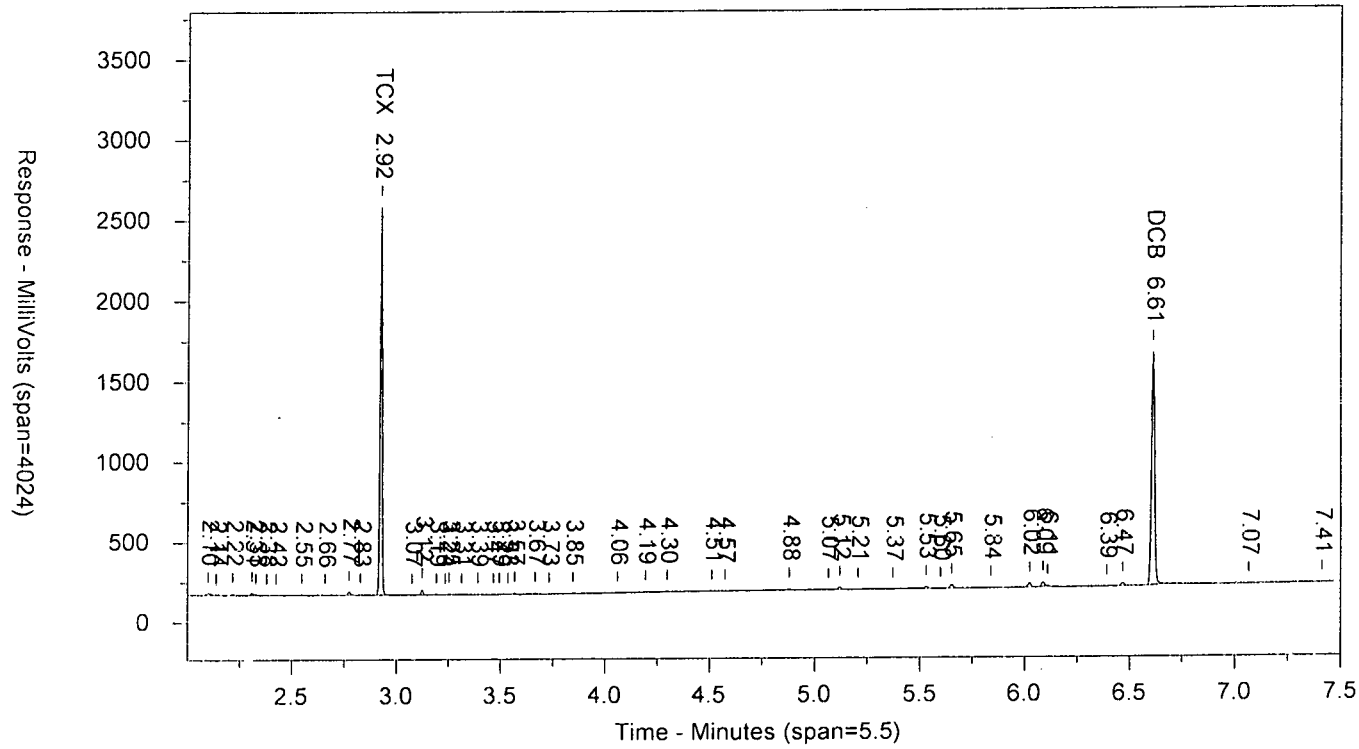

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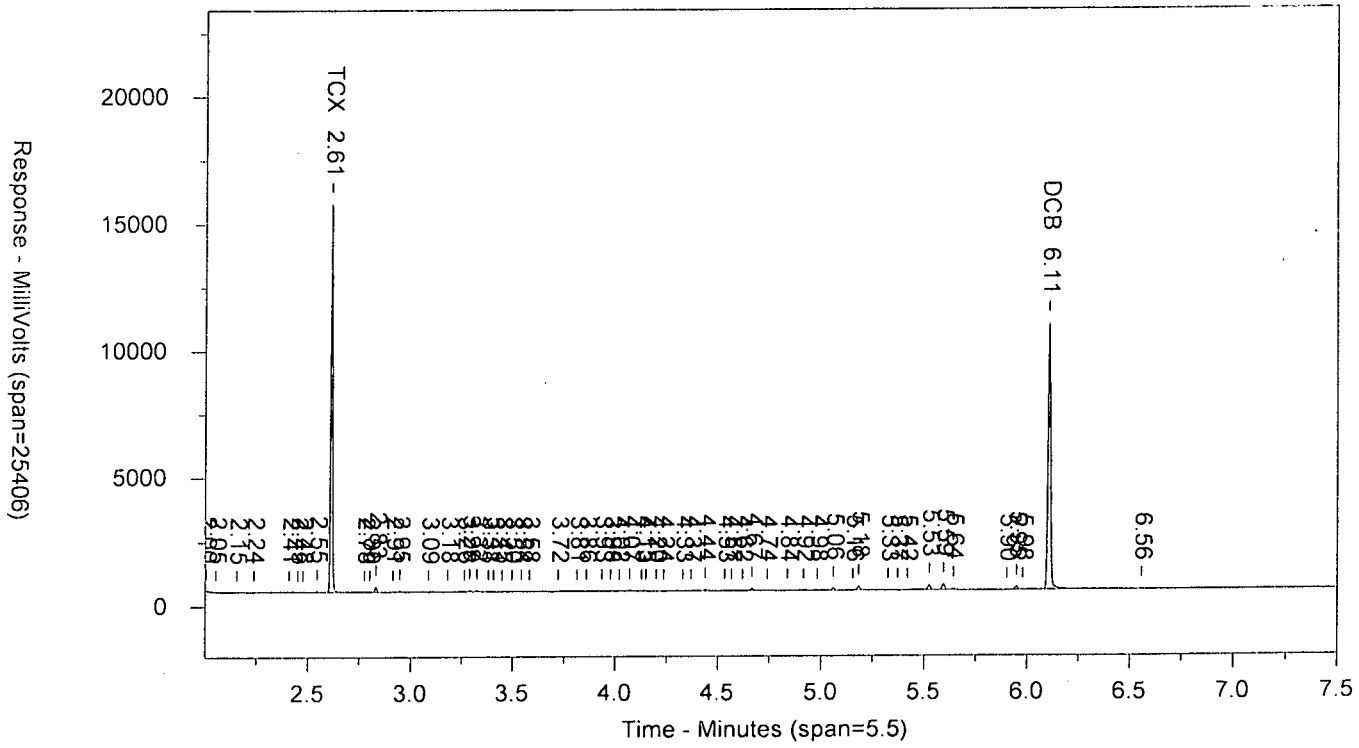

LANCASTER LABORATORIES

Sample Number: AR1631724A EQAR163EQ CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 7:38:36 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.062.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		23906	53054
2.217		18564	14068
2.309		16964	10388
2.329		5174	2975
2.379		2100	2456
2.424		3144	2869
2.503		1700	1623
2.548		2884	1652
2.565		4686	2981
2.659		1212	1069
2.727		1791	3326
2.774		32020	27074
2.828		3483	4352
2.924	TCX	5169469	3361067
3.012		931	447
3.026		1191	849
3.077		84105	70850
3.134		106466	112174
3.182		455719	319964
3.237		1023	694
3.254		9285	4906
3.275		60577	39744
3.313		2944	2334
3.362		916	661
3.396		443952	272565
3.413		206600	109779
3.45		52169	30413
3.466		16763	7091
3.482		39741	23236
3.512		496829	375410
3.548		1771	808
3.568		13941	8260
3.586		19112	11486
3.622		105150	59578
3.636		55448	25881
3.681		213081	118626
3.692		503984	253422
3.728		554503	425704
3.787		460817	357929
3.827		39610	27452
3.855		328173	241146
3.882		235918	198528
3.903		68415	35867
3.978		376185	267106
4.003		122449	79893
4.033		140582	103489
4.069		369201	384274
4.109		123442	98726
4.154		18286	12929
4.193		21540	17390
4.227		398276	295178
4.248		96853	56803
4.271		105524	73700
4.297		3165	2071

RT A	Compound A	Height A	Area A
4.338		61584	54432
4.381		416818	394343
4.415		13420	8931
4.478		6356	5320
4.519		75266	79060
4.574		46565	30490
4.588		83630	56062
4.634		273609	242899
4.679		366530	421938
4.717		91131	65849
4.756		888816	816256
4.798		12386	12402
4.847		147686	160516
4.879		24211	17200
4.904		151507	134273
4.956		998990	1291282
5.006		183922	167273
5.049		470139	529669
5.091		10761	6280
5.127		106275	140937
5.165		1199951	1105420
5.187		35797	17213
5.227		535659	495966
5.27		345529	341881
5.392		675432	907682
5.45		312429	290377
5.49		166920	146799
5.53		65351	61592
5.575		222782	221311
5.631		1627162	1610656
5.838		823289	873086
5.88		35181	74788
5.889		73063	56411
6.022		70097	69339
6.087		60422	49279
6.11		131875	112130
6.181		1321	1555
6.267		339002	340413
6.311		23194	24369
6.467		109863	116817
6.613	DCB	2659469	2770916
6.786		1274	894
7.069		2362	2876
7.276		855	1222
8.617		927	553

LANCASTER LABORATORIES

Sample Number: AR1631724A EQAR163EQ CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 7:38:36 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.062.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		22329	17550
2.052		40510	28140
2.115		3274	1473
2.155		12723	11992
2.201		11591	5829
2.242		16388	27478
2.299		29339	20338
2.363		6791	11576
2.409		18026	17072
2.451		6510	3982
2.477		7510	12970
2.528		10280	7442
2.546		88593	58524
2.57		6971	3954
2.59		3867	1577
2.615	TCX	30618650	18016750
2.658		202239	139106
2.703		8010	5054
2.785		511818	340224
2.832		275815	131442
2.845		418263	210405
2.897		2490031	1540009
2.948		77127	45603
3.008		338456	219126
3.103		3193585	3053173
3.155		351008	215805
3.176		199973	113621
3.201		286665	155114
3.225		3260503	2063303
3.262		149603	88412
3.29		100986	47916
3.308		817433	420645
3.324		564025	281113
3.349		6398	2774
3.373		1625696	756975
3.383		3773404	1574095
3.404		120838	48549
3.417		3107060	2019292
3.491		3688116	2255492
3.525		2509229	1479497
3.549		2632255	1479699
3.566		866584	427242
3.652		3129001	1989141
3.674		1123726	591173
3.695		1041066	601762
3.724		727621	379569
3.741		2599054	1498450
3.782		883409	664404
3.83		190783	159116
3.852		660769	400452
3.874		3385505	2230176
3.899		734596	431494
3.919		117212	58293
3.937		393025	241727

RT B	Compound B	Height B	Area B
3.972		2869673	1925580
4.006		153920	90426
4.022		243318	156536
4.069		15474	9017
4.084		20776	12412
4.108		350041	408213
4.15		35210	18875
4.174		760236	525529
4.217		587569	353455
4.235		705294	345530
4.248		1772505	976553
4.274		1095838	1135162
4.327		6104305	4626338
4.37		123698	115481
4.396		664653	444063
4.42		1354016	984197
4.463		7058300	5359090
4.567		5729841	5565844
4.619		774397	655931
4.658		1580146	1420075
4.694		7325244	6136284
4.727		3292046	2379895
4.765		2467356	1886174
4.84		25179	21148
4.865		834805	858106
4.916		4408779	3470117
4.939		647746	409011
4.989		2352946	2085427
5.025		1216419	938257
5.056		918505	812663
5.087		390737	226943
5.11		9860117	8052271
5.151		219681	161556
5.183		692727	584992
5.302		111191	72668
5.325		1927007	1637149
5.37		5934576	6754253
5.471		5502	7436
5.525		501845	430857
5.57		161922	115690
5.593		531272	423720
5.642		1226841	1086507
5.749		2289008	2017039
5.779		131318	102458
5.899		3389	2945
5.949		759926	710996
6		3800	2740
6.065		3031	2639
6.108	DCB	19845990	17195160
6.245		6206	4690
6.278		6553	5288
6.558		14544	12820
6.951		1669	2489
7.248		1117	7038
7.838		3348	6777
8.22		20952	35643

AR1631724A EQAR163EQ CCAL 1714399999 10736 SW-846 8082

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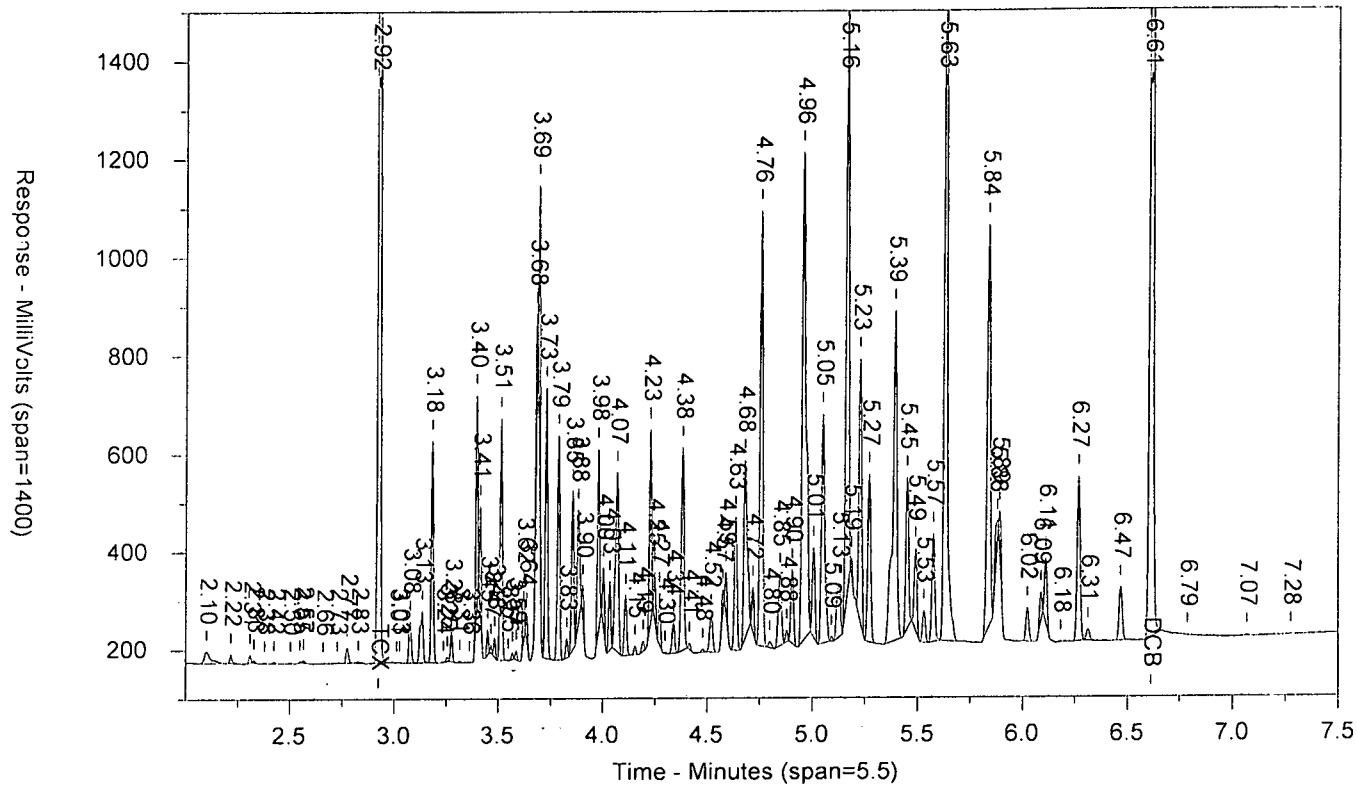

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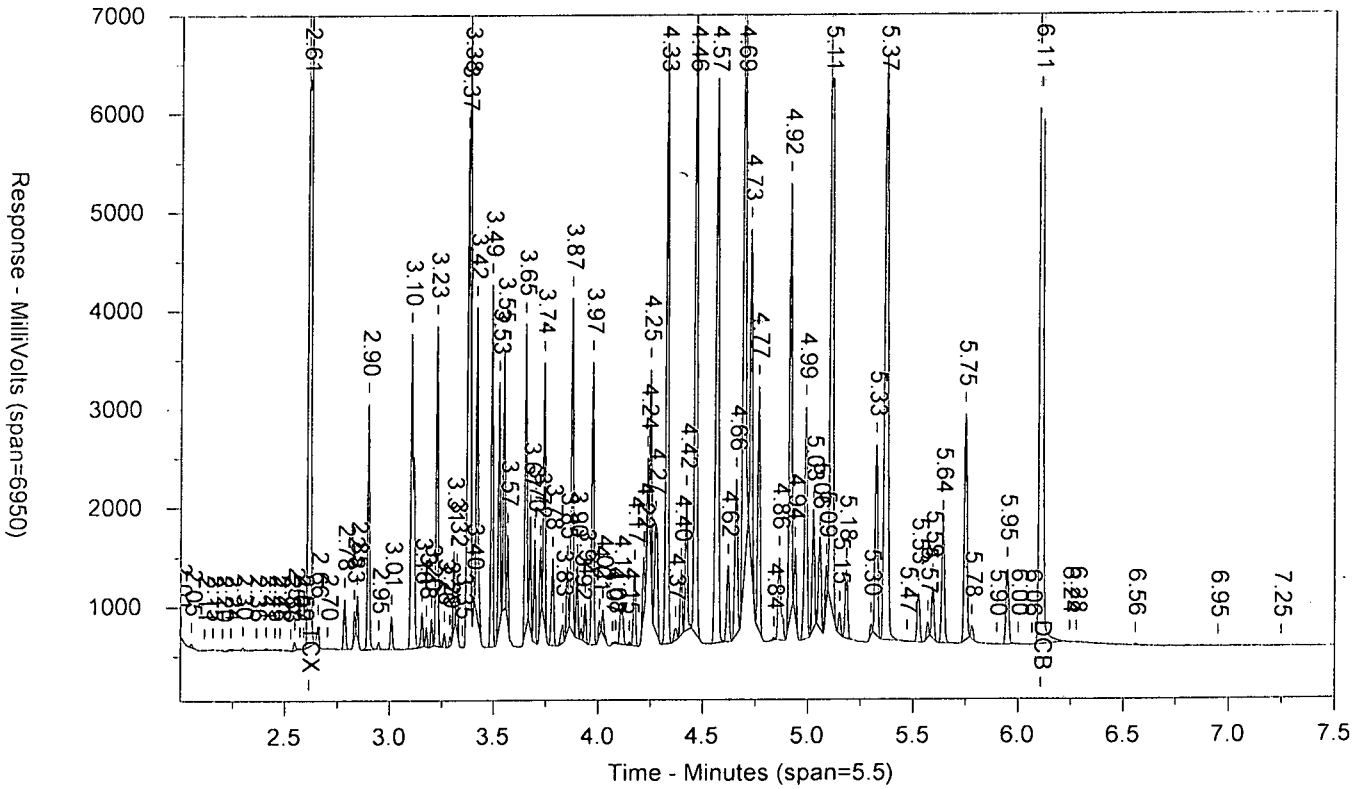

LANCASTER LABORATORIES

Sample Number: AR1631724A EQAR163EQ CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 7:38:36 AM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	5169469	45.49	TCX	2.615	30618650	44.291	TCX
6.613	2659469	38.646	DCB	6.108	19845990	40.737	DCB

Files:
Area File: 20pcbs17137007.062.RAW
Area File: 20pcbs17137007B.062.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 7:47:20 AM
File Reported On: 5/25/2017 at 7:47:31 AM

AR1631724A EQAR163EQ CCAL 1714399999 10736 SW-846 8082

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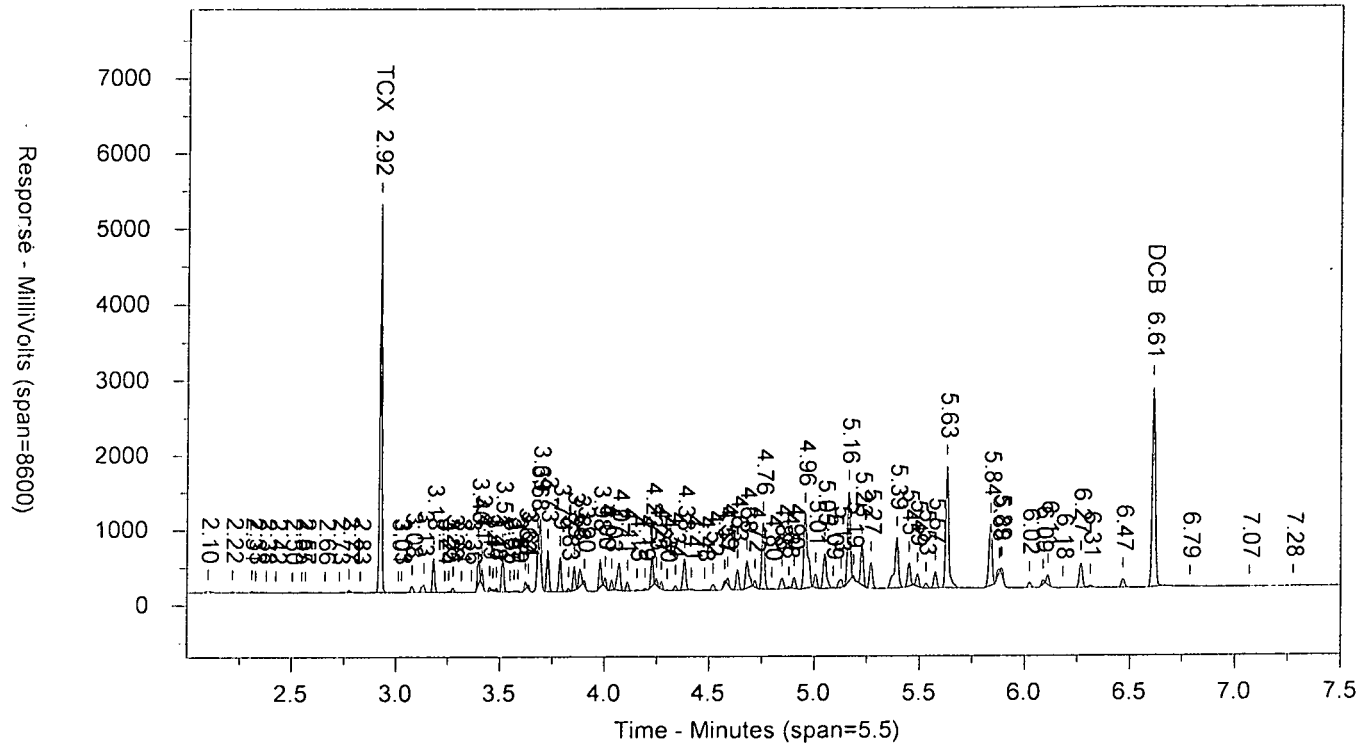

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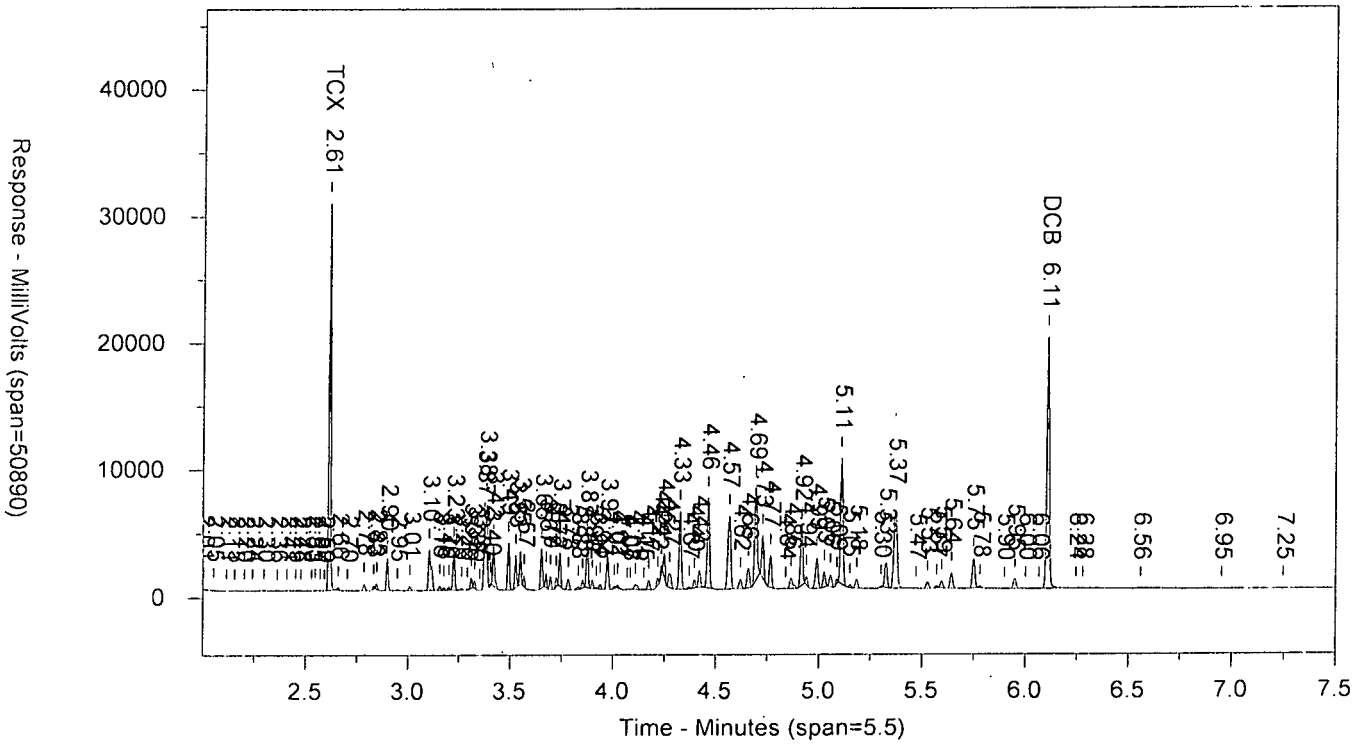

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YWPIBLKYW PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 7:49:58 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.063.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		14813	23207
2.217		9356	7231
2.309		15538	9518
2.381		1942	2531
2.425		2940	2675
2.495		1074	1484
2.569		1629	2797
2.657		1399	1230
2.775		24241	19818
2.829		3843	3558
2.924	TCX	2494866	1646267
3.123		34818	22059
3.191		3923	3503
3.254		5539	3693
3.394		983	896
3.53		2083	1832
3.567		7653	5770
3.665		3857	3310
3.731		997	871
3.848		2090	1971
3.979		575	395
4.06		993	1178
4.174		1022	1211
4.192		2066	1655
4.296		5223	4639
4.381		1340	2324
4.515		2623	3829
4.574		1932	1925
4.878		11874	12589
4.977		1143	1754
5.044		851	598
5.119		19914	19284
5.206		2493	3812
5.377		691	647
5.449		904	635
5.529		18066	19301
5.651		32844	32755
5.838		2820	3084
5.875		1111	1201
6.023		31924	31527
6.088		32447	29219
6.109		5369	3205
6.466		18726	19591
6.611	DCB	1373487	1459609
7.53		660	357

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YWPIBLKYW PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 7:49:58 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.063.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		17028	11478
2.053		20837	15350
2.118		3034	2577
2.156		13584	43577
2.236		19618	30779
2.367		3792	5526
2.409		4985	5511
2.479		6663	11792
2.546		67035	39448
2.567		3075	2148
2.615	TCX	15207290	8899086
2.777		7013	4013
2.832		215676	152760
2.882		5588	5452
2.948		38484	21855
2.988		3083	1818
3.104		6680	27933
3.183		7878	15154
3.227		3163	2019
3.29		59239	33133
3.324		32660	20571
3.384		8734	9791
3.407		9959	7753
3.449		6890	12632
3.491		4975	5044
3.524		5549	2651
3.549		3506	3730
3.581		2797	1657
3.712		5594	13397
3.724		3926	2785
3.77		3163	2889
3.862		1654	951
3.877		4581	3776
3.935		15136	12150
3.974		5784	9034
4.02		8981	12877
4.071		28325	24829
4.106		5305	3100
4.13		4983	2744
4.149		13963	14076
4.198		10999	11920
4.234		5516	6024
4.327		8979	7213
4.367		3406	3496
4.438		75822	61617
4.528		4945	8730
4.564		11402	12005
4.62		9271	6793
4.64		4464	1889
4.666		139061	104042
4.693		4453	3075
4.741		5192	5849
4.842		4376	13771
4.914		9590	7653

RT B	Compound B	Height B	Area B
4.939		4257	3127
4.981		13052	14331
5.026		3759	2649
5.06		109534	101249
5.108		9569	9239
5.155		2200	1138
5.182		221071	180617
5.328		4284	4146
5.37		14071	14486
5.423		2506	5258
5.524		224536	196995
5.593		279222	243779
5.642		84215	75160
5.69		2098	2377
5.901		1902	2167
5.948		125558	104950
5.978		3630	2413
5.999		2534	2205
6.106	DCB	10088090	8898788
6.557		7536	7105
7.466		2321	3433
7.974		2273	1733
8.05		2231	3577
8.13		1979	1753
8.213		20925	43571
8.44		1272	3567
8.56		1641	1691

IBLKX1724A YWPIBLKYW PIBLK1714399999 10736 SW-846 8082

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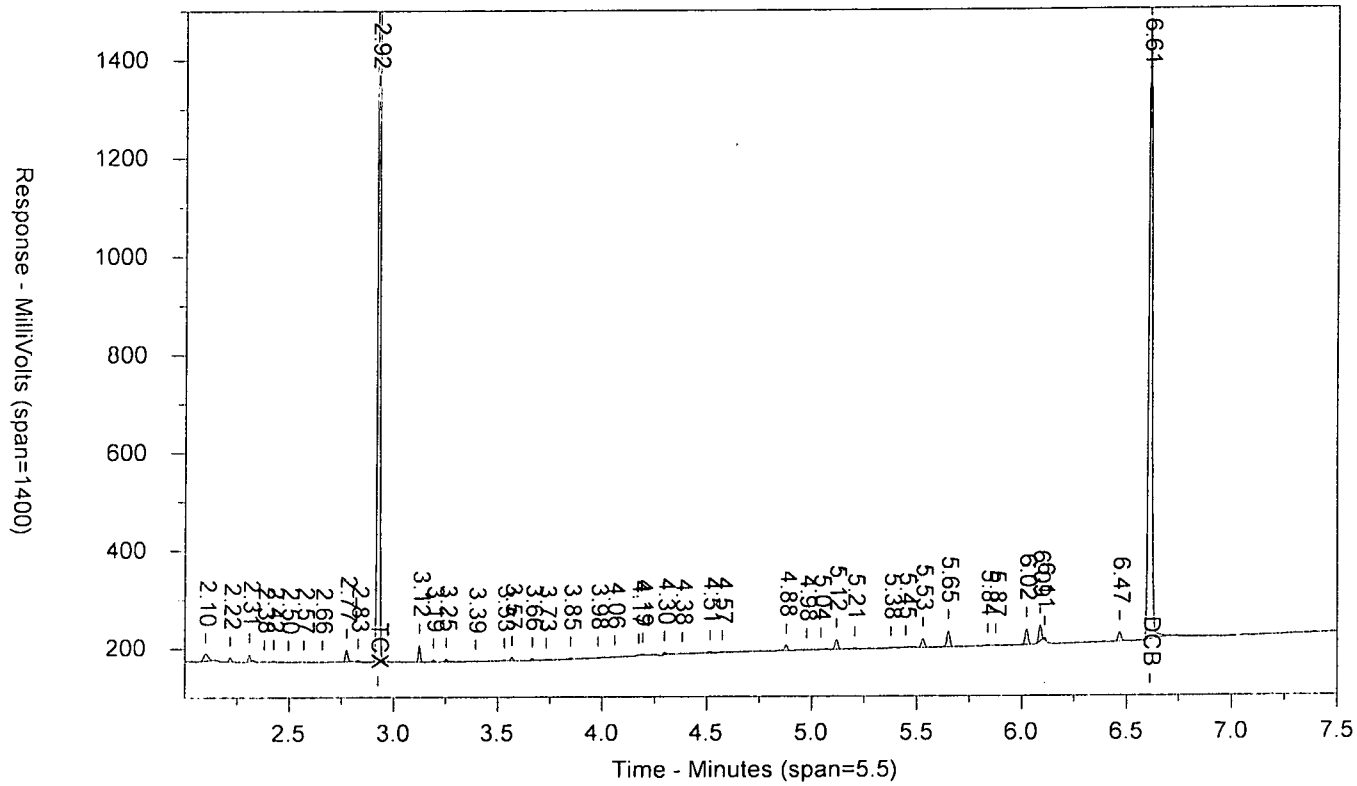

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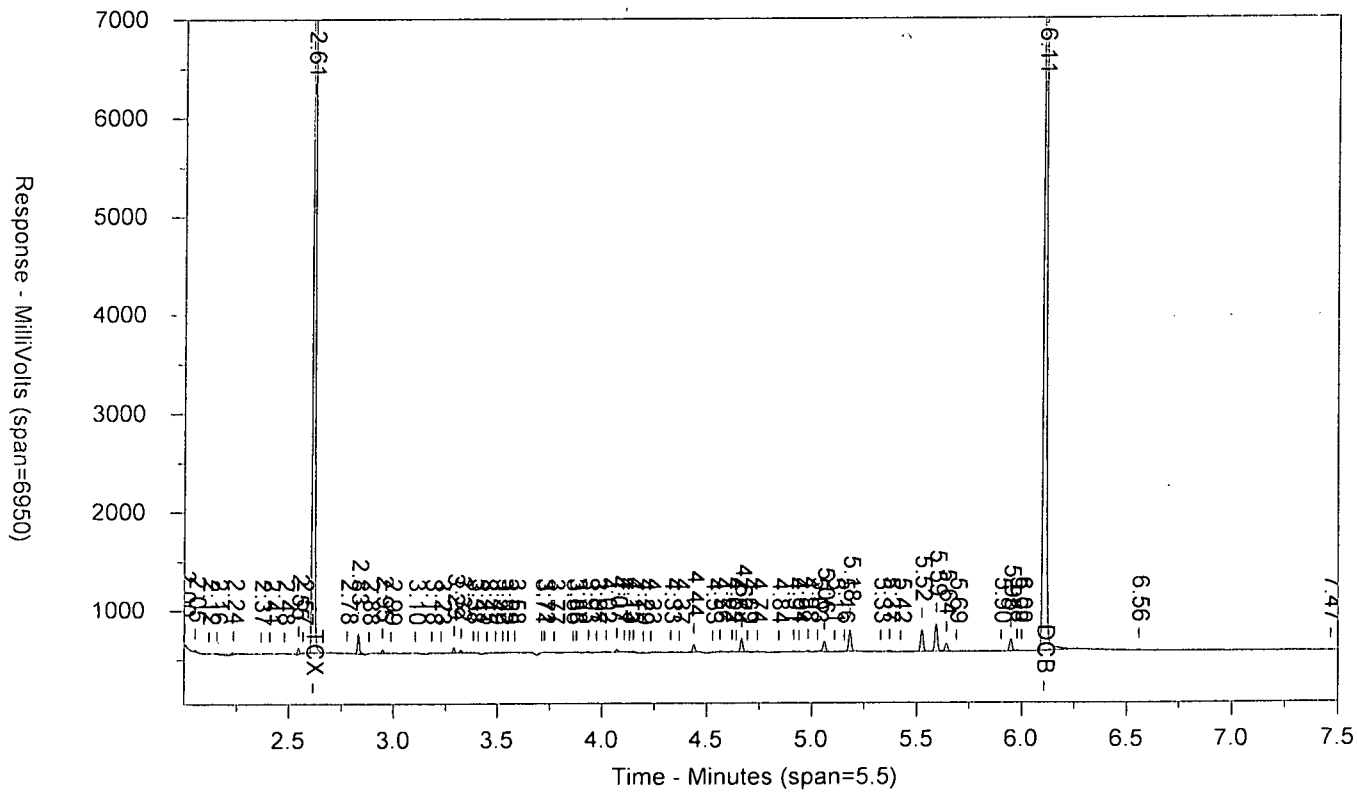

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YWPIBLKYW PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 7:49:58 AM Sample Weight: 1000
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2494866	.22	TCX	2.615	15207290	.22	TCX
6.611	1373487	.2	DCB	6.106	10088090	.207	DCB

Files:
Area File: 20pcbs17137007.063.RAW
Area File: 20pcbs17137007B.063.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 7:58:39 AM
File Reported On: 5/25/2017 at 7:58:47 AM

IBLKX1724A YWPIBLKYW PIBLK1714399999 10736 SW-846 8082

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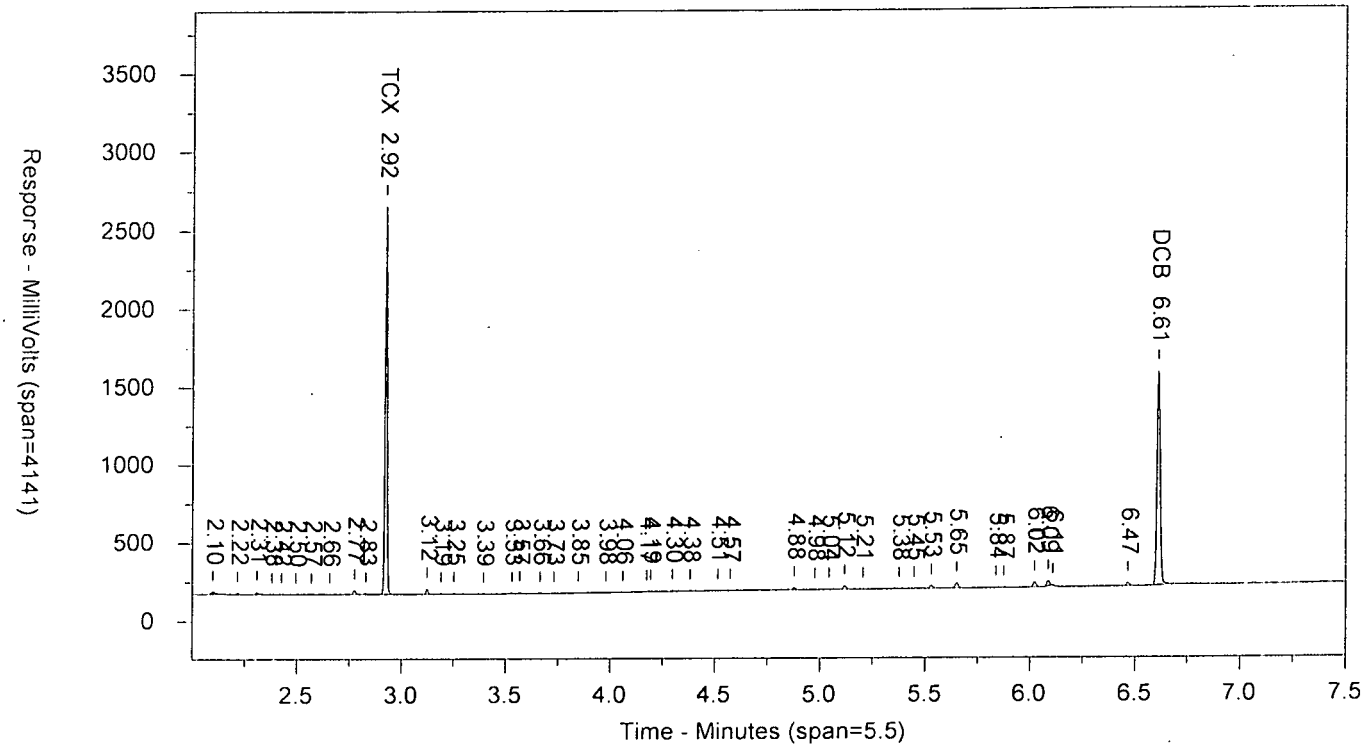

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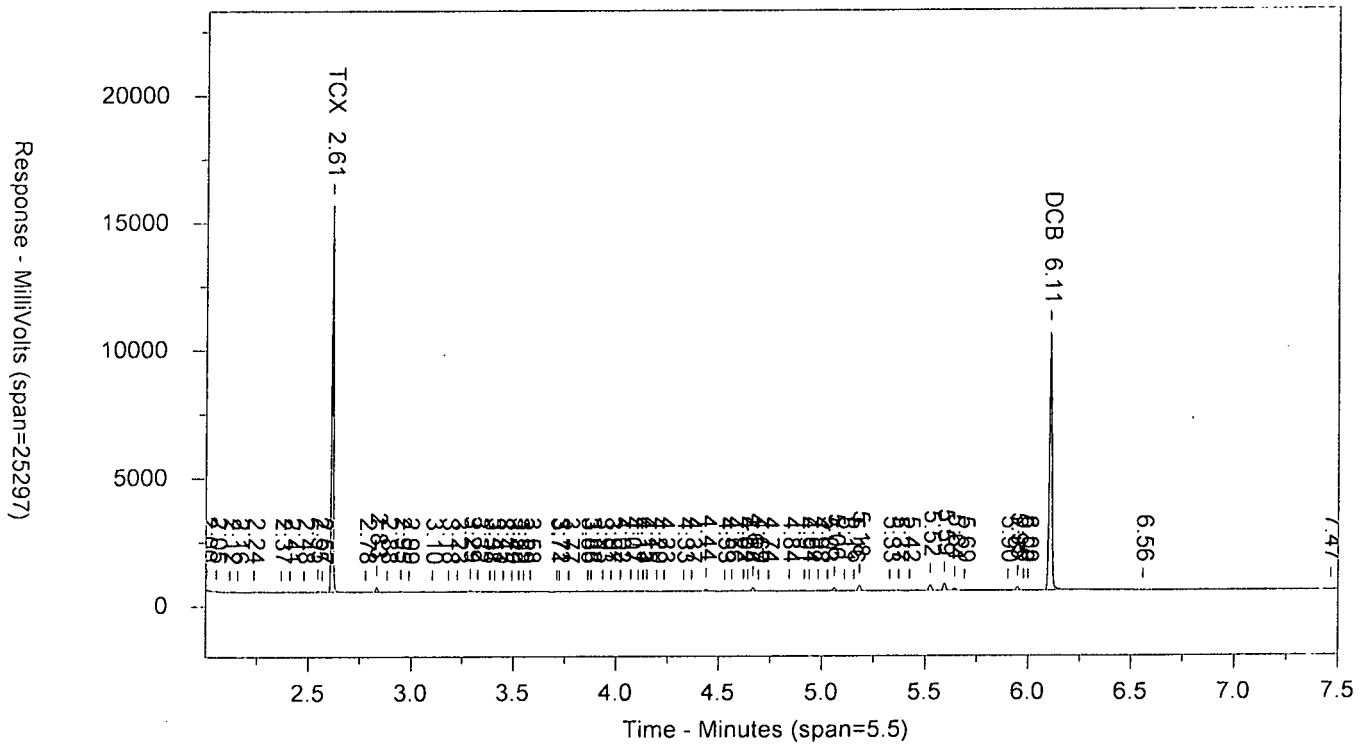

LANCASTER LABORATORIES

Sample Number: AR1631724A ERAR163ER CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 11:50:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.084.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.097		16559	23816
2.217		19363	14261
2.309		21852	13239
2.328		5711	2968
2.378		2799	3248
2.423		2072	2324
2.502		1272	1635
2.565		6086	6402
2.657		1047	796
2.732		786	1094
2.774		28574	23907
2.827		1247	788
2.882		611	401
2.924	TCX	5205957	3473958
3.012		962	520
3.027		1330	655
3.076		78925	65330
3.133		109058	114868
3.181		463758	326302
3.231		799	466
3.254		9244	5005
3.274		61675	40514
3.312		2035	1643
3.363		3006	1978
3.396		453892	277067
3.413		205991	111717
3.45		52572	31334
3.465		14647	6105
3.482		41664	24841
3.512		513494	380973
3.548		1739	930
3.568		16669	10050
3.586		15314	8759
3.622		105569	60307
3.636		48928	24856
3.681		223156	122994
3.692		539301	264247
3.728		556186	428035
3.787		465318	362759
3.827		39627	27369
3.855		334000	244007
3.882		249621	202770
3.903		72153	39721
3.978		366210	267091
4.003		121475	80301
4.033		142126	103916
4.069		364410	383227
4.108		121467	98238
4.155		18029	15679
4.192		27358	23288
4.227		396327	296616
4.248		90004	54594
4.271		103993	73007
4.297		2881	1670

RT A	Compound A	Height A	Area A
4.338		61259	54047
4.381		417063	389266
4.416		11680	7466
4.478		4420	3741
4.52		45754	46773
4.573		39014	28463
4.588		85252	59306
4.635		264988	242433
4.679		365923	420416
4.717		87642	61638
4.756		875412	810875
4.801		5831	5899
4.847		143463	158862
4.878		14232	8991
4.904		149977	142469
4.956		1043038	1287004
5.006		178543	164951
5.049		488855	526169
5.092		7133	4108
5.127		101925	126711
5.164		1289453	1328741
5.227		554432	503080
5.271		349177	339528
5.392		647056	907456
5.45		303974	289113
5.49		157767	149599
5.531		48357	46140
5.576		228004	215445
5.631		1525358	1589058
5.717		1852	1941
5.743		1862	1700
5.838		873737	872483
5.879		51010	75612
5.891		87673	61962
6.023		52317	51267
6.087		42126	33029
6.109		132271	117237
6.267		344063	340828
6.312		23700	24534
6.388		1669	2085
6.466		106477	110758
6.505		2093	1812
6.612	DCB	2663710	2835535
6.734		1911	3818
6.881		1228	1470
7.068		2209	3280
7.148		2079	3231
7.275		602	574
7.445		1410	1611
8.344		758	2075

LANCASTER LABORATORIES

Sample Number: AR1631724A ERAR163ER CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 11:50:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.084.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		2240	865
2.052		45774	28595
2.156		12193	11586
2.201		7679	3540
2.235		20242	26496
2.298		27467	18024
2.362		7643	10694
2.393		2860	2198
2.409		6498	5749
2.448		3818	2530
2.481		9869	12448
2.545		81772	51461
2.569		7390	4074
2.592		4147	2289
2.614	TCX	32179370	18404430
2.657		211764	150807
2.702		10743	6855
2.784		493152	311449
2.831		304054	138200
2.845		447608	219488
2.879		6360	3253
2.897		2512327	1519556
2.947		80803	47137
2.986		18689	9840
3.008		326801	203007
3.103		3274905	3053637
3.155		364301	227516
3.176		190606	105240
3.201		284646	159728
3.225		3237874	2067503
3.261		125566	70351
3.289		118022	58220
3.308		843841	433939
3.323		547787	265572
3.35		6602	2833
3.373		1715177	809833
3.383		3937529	1683852
3.403		116912	47460
3.416		3209929	2047444
3.491		3692759	2243894
3.525		2399835	1481917
3.549		2665573	1445716
3.567		888866	440139
3.652		3041984	1970298
3.675		1093026	586402
3.696		1027058	602519
3.724		711969	349408
3.741		2574950	1489370
3.782		902867	649603
3.829		152888	149504
3.852		682272	407002
3.874		3446085	2209331
3.899		715627	429402
3.919		115886	54791

RT B	Compound B	Height B	Area B
3.937		382315	242302
3.973		2760418	1891676
4.007		130987	77533
4.022		230460	143788
4.071		11305	7159
4.082		12860	7172
4.117		234082	239106
4.149		8150	4075
4.174		767360	541454
4.217		623871	367357
4.235		785176	393226
4.249		1676353	943865
4.274		1080350	1100819
4.326		5887399	4476946
4.373		91159	78758
4.396		641581	432821
4.421		1354720	966317
4.463		7043116	5392229
4.566		5777686	5411434
4.619		737497	610512
4.658		1593565	1356911
4.693		7513219	6016073
4.726		3384990	2339159
4.765		2485519	1887392
4.835		8858	10803
4.865		700270	510877
4.881		76951	39367
4.916		4282073	3393409
4.94		649004	405521
4.989		2211808	2039203
5.025		1188479	924665
5.055		891968	742532
5.087		371709	222765
5.11		9690590	8002833
5.151		209962	161531
5.183		514725	430155
5.301		113738	72664
5.325		1953801	1595378
5.37		6431667	6872770
5.489		3602	2286
5.525		372773	317083
5.57		161891	115302
5.594		330048	257212
5.642		1120622	965154
5.749		2277922	1921865
5.781		128249	92950
5.948		702235	627710
6.067		3255	2267
6.107	DCB	17876090	16147590
6.439		8221	9650
6.555		11563	11787
6.678		7154	14591
6.909		7085	15870
7.234		2091	1594
7.61		2180	3884
7.839		3103	5456
8.013		2041	7552
8.213		19504	35002

AR1631724A ERAR163ER CCAL 1714399999 10736 SW-846 8082

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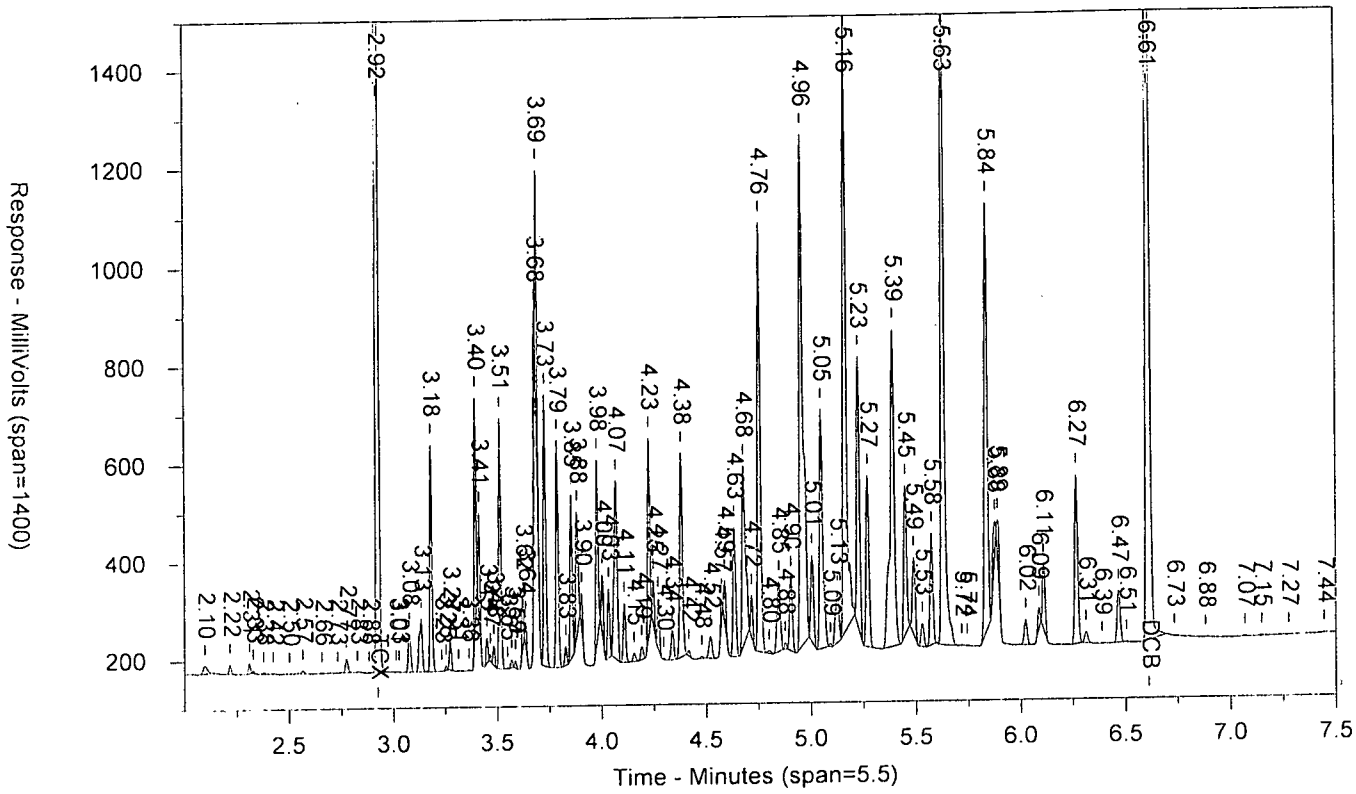

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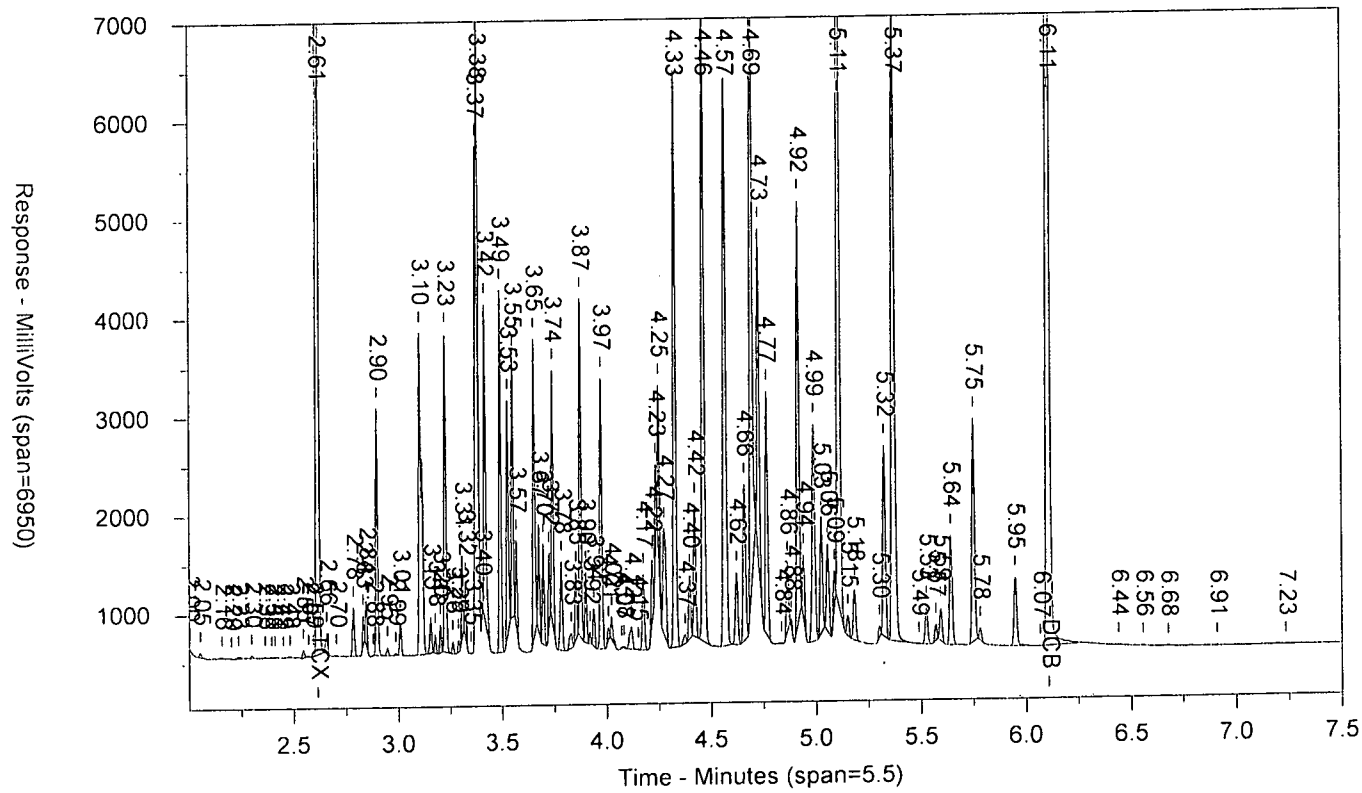

LANCASTER LABORATORIES

Sample Number: AR1631724A ERAR163ER CCAL 1714399999 10736 SW-846 8082
Injected On: 5/25/2017 11:50:27 AM Sample Weight: 1
Instrument ID: CP20-17342 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	5205957	45.811	TCX	2.614	32179370	46.548	TCX
6.612	2663710	38.708	DCB	6.107	17876090	36.693	DCB

Files:
Area File: 20pcbs17137007.084.RAW
Area File: 20pcbs17137007B.084.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 11:59:10 AM
File Reported On: 5/25/2017 at 11:59:24 AM

AR1631724A ERAR163ER CCAL 1714399999 10736 SW-846 8082

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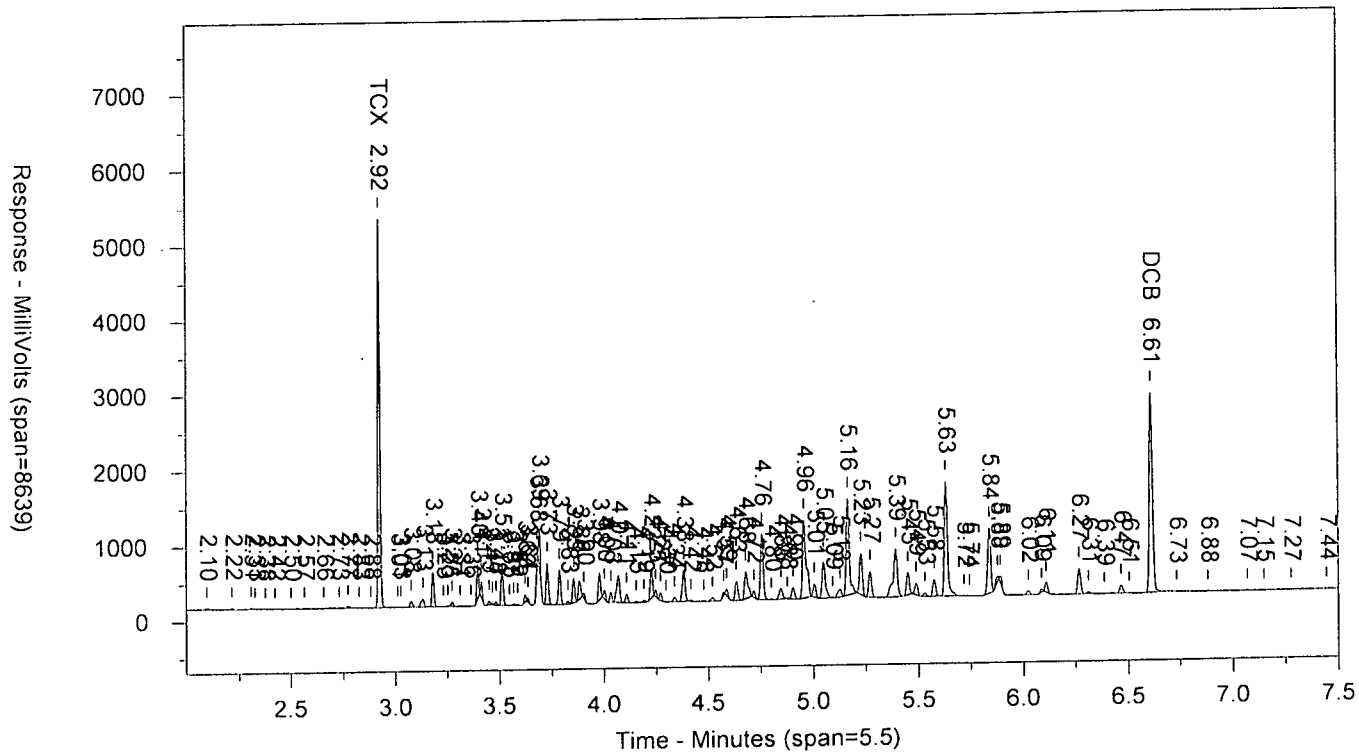

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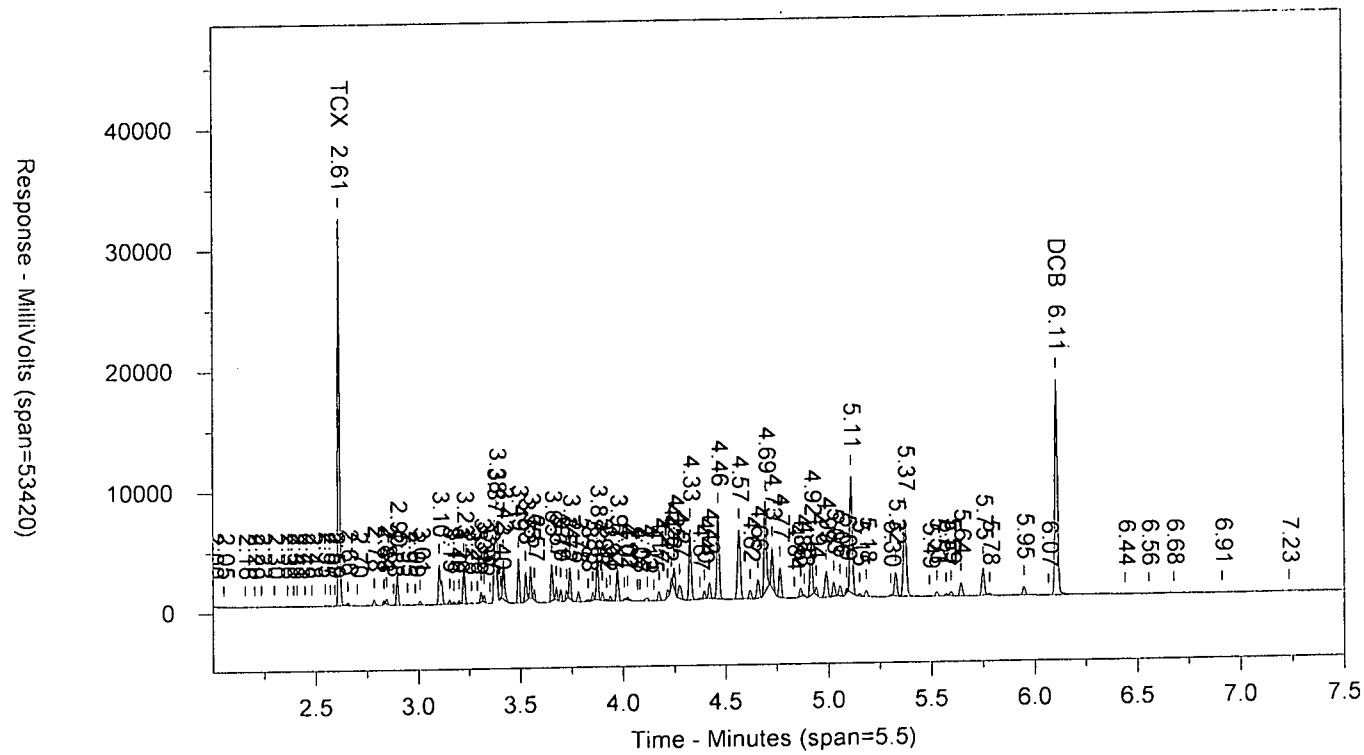

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YXPIBLKYX PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 12:01:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.085.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		32740	57923
2.217		8802	5622
2.309		16084	9953
2.328		2469	1286
2.379		3406	3795
2.424		3709	3310
2.501		1697	2083
2.549		1585	1129
2.658		1351	1187
2.774		29957	25332
2.828		4288	3989
2.923	TCX	2568621	1694476
3.123		35114	22972
3.189		4099	3536
3.253		6384	3944
3.36		1159	855
3.527		2638	2266
3.566		8456	6208
3.664		9684	8431
3.729		1145	1919
3.848		2725	2476
3.999		940	750
4.056		988	1262
4.168		1750	1550
4.189		2875	2356
4.295		6211	8547
4.389		1333	2671
4.506		2653	3835
4.631		752	431
4.853		1227	1200
4.877		4359	3556
4.953		1000	1741
5.041		1770	1769
5.118		10629	10341
5.164		1076	1096
5.205		2665	3665
5.388		1234	2712
5.446		1678	5244
5.527		10529	10820
5.65		19957	20592
5.834		2568	2729
6.021		26414	25854
6.086		25526	23071
6.227		611	1494
6.389		1042	1064
6.464		15970	16300
6.61	DCB	1393181	1434298
6.72		1130	1146
7.066		1480	1791
7.777		733	991
8.681		2815	2718

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YXPIBLKYX PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 12:01:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.085.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		34789	24378
2.052		21308	14190
2.118		2678	1933
2.156		15128	37637
2.239		31434	66618
2.365		4826	4298
2.395		2900	1515
2.411		5642	5420
2.479		9803	13432
2.545		76090	46026
2.614	TCX	15865900	9068831
2.701		3964	7034
2.776		7300	4896
2.8		2753	1234
2.831		214257	136564
2.882		6747	6027
2.948		40730	23736
2.986		4569	4381
3.089		1486	1429
3.104		2262	1115
3.18		7657	14393
3.226		3968	2714
3.266		5613	3405
3.29		64456	35849
3.324		78827	51532
3.352		5310	2737
3.383		8451	9440
3.406		17086	12626
3.443		10026	15654
3.487		4574	5270
3.526		3472	1806
3.543		7068	3416
3.559		4141	1959
3.581		8319	5400
3.651		9863	22173
3.708		11914	17169
3.767		5458	5071
3.81		2501	1144
3.859		1890	1026
3.933		14068	8825
3.972		6251	10217
4.01		5985	9771
4.07		30279	26012
4.107		4909	4256
4.149		6403	9460
4.192		10521	12877
4.232		11893	19360
4.327		7894	6263
4.367		2972	2420
4.436		32360	26478
4.461		7487	12047
4.528		5138	10789
4.562		7773	10140
4.617		4228	3084

RT B	Compound B	Height B	Area B
4.639		6176	4110
4.665		65034	48654
4.692		6507	4303
4.727		3559	4331
4.838		9376	24546
4.915		7201	5550
4.982		8348	8975
5.059		57854	65095
5.107		10887	11498
5.151		2513	2086
5.181		135885	110129
5.325		3990	3622
5.367		11240	11199
5.523		182695	158642
5.592		201805	177120
5.641		48034	41658
5.896		2347	2843
5.947		104248	87468
5.977		2792	1914
5.999		2843	2018
6.106	DCB	8992461	8317427
6.555		6449	5525
7.42		4621	9287
7.74		2020	1755
8.003		2004	3601
8.142		1866	5101
8.21		19213	33252

IBLKX1724A YXPIBLKYX PIBLK1714399999 10736 SW-846 8082

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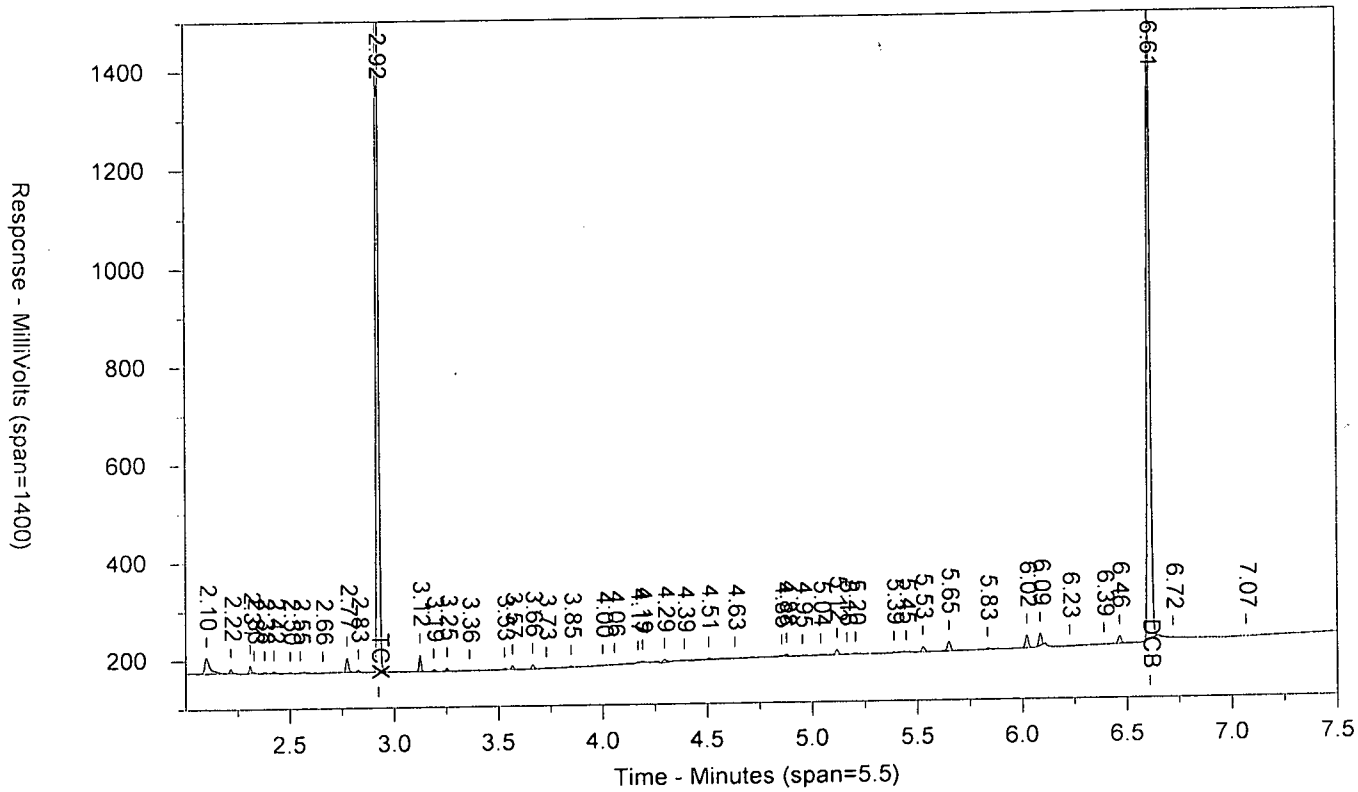

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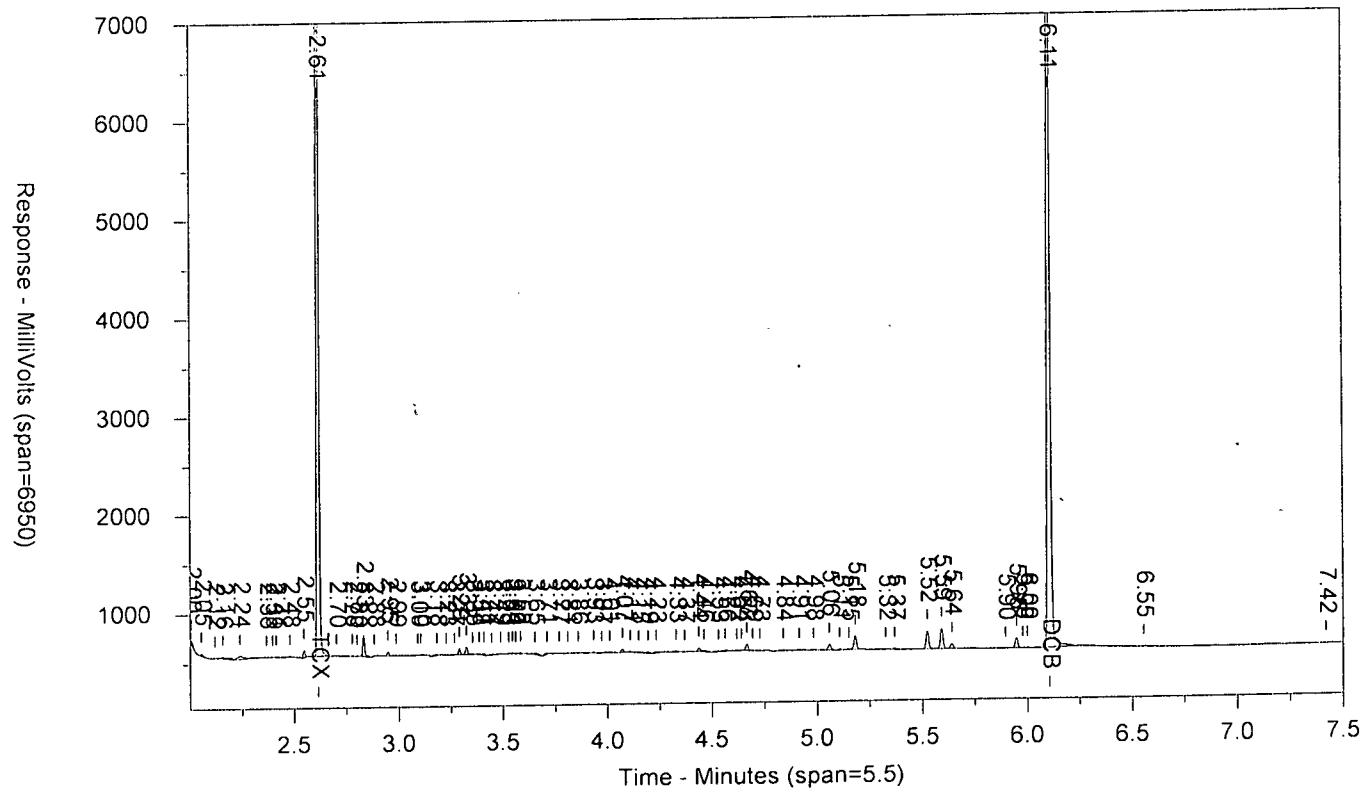

LANCASTER LABORATORIES

Sample Number: IBLKX1724A YXPIBLKYX PIBLK1714399999 10736 SW-846 8082
Injected On: 5/25/2017 12:01:49 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
2.923	2568621	.226	TCX	2.614	15865900	.23	TCX
6.61	1393181	.202	DCB	6.106	8992461	.185	DCB

Files:
Area File: 20pcbs17137007.085.RAW
Area File: 20pcbs17137007B.085.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 12:10:33 PM
File Reported On: 5/25/2017 at 12:10:40 PM

IBLKX1724A YXPIBLKYX PIBLK1714399999 10736 SW-846 8082

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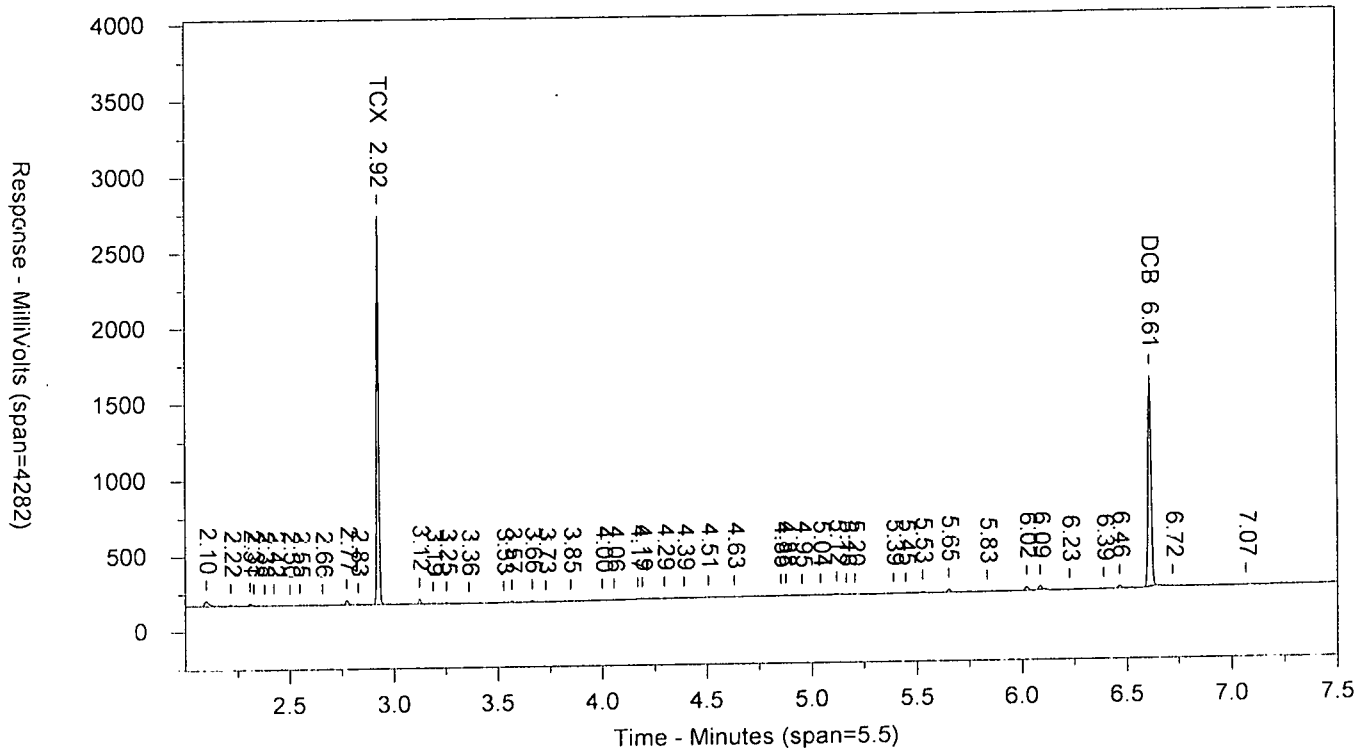

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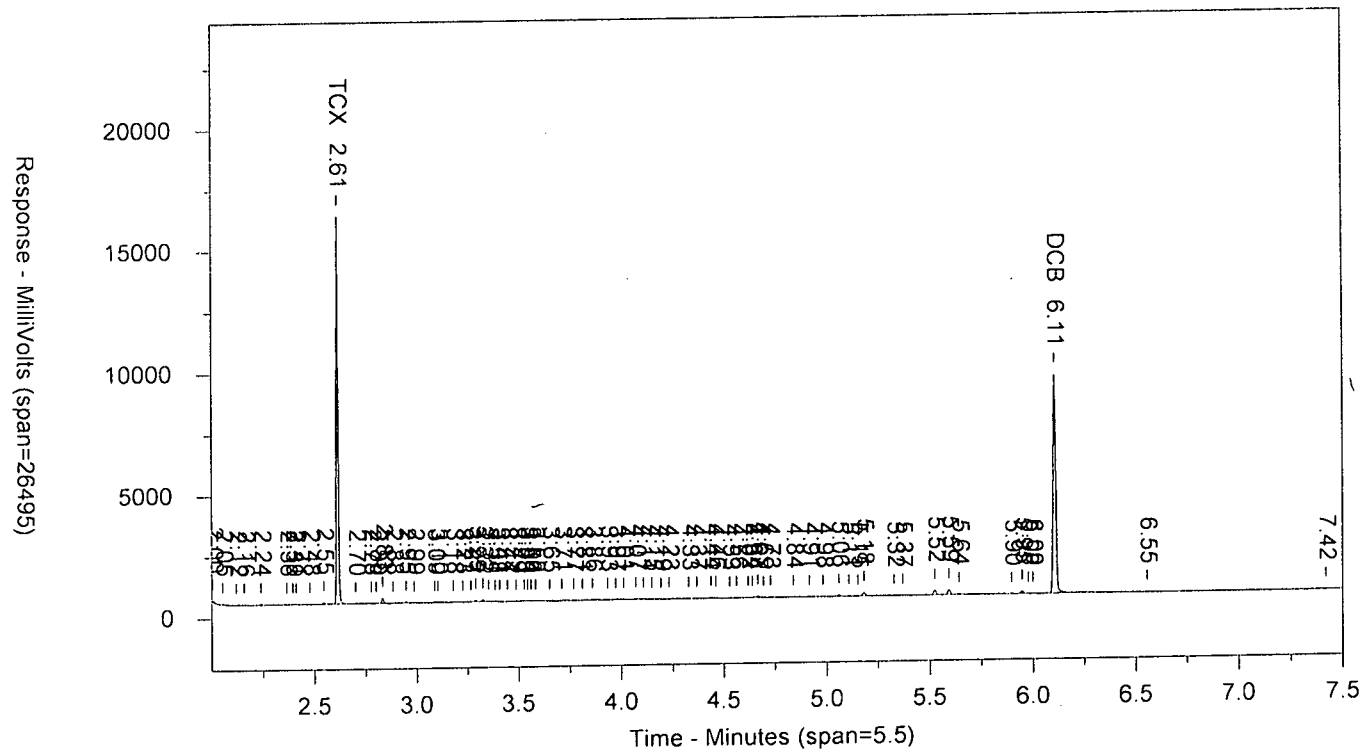

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 5/23/17 ACF PBLK36142 BLK Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 24, 2017 12:17:31
Instrument	17342A
Result file	20PCBS17137006.096.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 113% (61 - 152) Conc: 32.97125
%SSR(DCB) 116% (48 - 164) Conc: 33.9307

Analysis Report (B)

Injected on	May 24, 2017 12:17:31
Instrument	17342B
Result file	20PCBS17137006B.096.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 114% (61 - 152) Conc: 33.4581
%SSR(DCB) 108% (48 - 164) Conc: 31.54601

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3746870	32.97125	Tetrachloro-m-xylene	2.59	2.61	2.65	23129880	33.4581
Decachlorobiphenyl	6.58	6.62	6.64	2334988	33.9307	Decachlorobiphenyl	6.08	6.11	6.14	15368540	31.54601

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	32.97125				1.47	
Decachlorobiphenyl	A	33.9307				7.28	

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<9.9			4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260			<51	<11.7			4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs			<51	<9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Jessica L. Miller, Senior Chemist
Date: MAY 24 2017

Verified by: MAY 25 2017
Date:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/23/17 ACF PBLK36142 Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 24, 2017 12:17:31
Instrument : CP20--17342A
Result file : 20PCBS17137006.096.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 113% (61-152) Conc.: 32.97125
%SSR(DCB) : 116% (48-164) Conc.: 33.9307

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	42.69	
3.16	3.19	3.20	1117.742	0.544742			1
3.37	3.40	3.41	1112.875	0.531154			2
3.71	3.71	3.75	2748.943	1.051845			4
3.76	3.80	3.80	2651.162	1.24025			5
Height Summation:			7630.722				
Amount Avg CF:			0.841998	Linear:			
Aroclor-1221					3	119.58	
3.06	3.07	3.10	1246.607	1.268271			1
3.11	3.12	3.15	5333.848	6.276997			2
3.16	3.19	3.20	1117.742	0.407169			3
Height Summation:			7698.197				
Amount Avg CF:			2.650813	Linear:			
Aroclor-1232					4	65.08	
3.16	3.19	3.20	1117.742	0.453919			1
3.38	3.40	3.42	1112.875	1.123155			2
3.71	3.71	3.75	2748.943	2.330804			4
3.77	3.80	3.81	2651.162	2.867265			5
Height Summation:			7630.722				
Amount Avg CF:			1.693786	Linear:			
Aroclor-1242					4	45.87	
3.16	3.19	3.20	1117.742	0.635876			1
3.38	3.40	3.42	1112.875	0.641136			2
3.71	3.71	3.75	2748.943	1.285658			4
3.77	3.80	3.81	2651.162	1.583663			5
Height Summation:			7630.722				
Amount Avg CF:			1.036583	Linear:			
Aroclor-1248					4	99.55	
3.76	3.80	3.80	2651.162	2.284352			1
4.05	4.08	4.09	577.853	0.279656			4
4.23	4.23	4.27	902.2191	0.368589			5
4.61	4.63	4.65	1436.108	0.800351			6
Height Summation:			5567.3421				
Amount Avg CF:			0.933237	Linear:			
Aroclor-1254					5	55.73	
4.21	4.23	4.25	902.2191	0.312619			1
4.55	4.58	4.59	1977.956	0.681971			2
4.61	4.63	4.65	1436.108	0.245161			3
4.83	4.85	4.87	667.399	0.172406			5
5.14	5.17	5.18	1387.61	0.348953			6
Height Summation:			6371.2921				
Amount Avg CF:			0.352222	Linear:			
Aroclor-1260					3	45.50	
5.20	5.23	5.24	1810.06	0.66757			3
5.37	5.40	5.41	742.5537	0.240019			4
5.82	5.84	5.86	2413.338	0.572839			6
Height Summation:			4965.9517				
Amount Avg CF:			0.493476	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 12:17:31
Instrument : CP20--17342B
Result file : 20PCBS17137006B.096.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 114% (61-152) Conc.: 33.4581
%SSR(DCB) : 108% (48-164) Conc.: 31.54601

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	177.70	
2.88	2.90	2.92	4175.563	0.36927			1
+ 3.21	3.22	3.25	4094.697	0.291394			2
3.21	3.24	3.25	157365	11.198692			2
3.40	3.40	3.44	7300.724	0.51705			3
3.47	3.48	3.51	5717.341	0.342393			4
3.63	3.65	3.67	5245.503	0.373889			5
3.72	3.73	3.76	21875.09	1.819602			6
Height Summation:			201679.221				
Amount Avg CF:			2.436816	Linear:			
Aroclor-1221					3	85.47	
2.77	2.80	2.81	13486.89	2.260039			1
2.83	2.85	2.87	14659.77	3.985089			2
2.88	2.90	2.92	4175.563	0.273622			3
Height Summation:			32322.223				
Amount Avg CF:			2.172917	Linear:			
Aroclor-1232					5	165.34	
2.88	2.90	2.92	4175.563	0.302256			1
+ 3.21	3.22	3.25	4094.697	0.613283			2
3.21	3.24	3.25	157365	23.569331			2
3.40	3.40	3.44	7300.724	1.222215			3
3.47	3.48	3.51	5717.341	0.779065			4
3.73	3.73	3.77	21875.09	4.163138			6
Height Summation:			196433.718				
Amount Avg CF:			6.007201	Linear:			
Aroclor-1242					6	176.20	
2.88	2.90	2.92	4175.563	0.429467			1
+ 3.21	3.22	3.25	4094.697	0.352642			2
3.21	3.24	3.25	157365	13.552513			2
3.40	3.40	3.44	7300.724	0.639375			3
3.47	3.48	3.51	5717.341	0.438098			4
3.64	3.65	3.68	5245.503	0.488182			5
3.73	3.73	3.77	21875.09	2.272842			6
Height Summation:			201679.221				
Amount Avg CF:			2.970079	Linear:			
Aroclor-1248					6	82.24	
3.40	3.40	3.44	7300.724	1.310976			1
3.51	3.53	3.55	4199.328	0.26736			2
3.63	3.65	3.67	5245.503	0.267309			3
3.72	3.73	3.76	21875.09	1.543833			4
3.86	3.88	3.90	4444.062	0.165588			5
4.22	4.23	4.26	8978.882	0.756682			6
Height Summation:			52043.589				
Amount Avg CF:			0.718625	Linear:			
Aroclor-1254					5	46.93	
4.22	4.23	4.26	8978.882	0.242057			2
4.31	4.33	4.35	10699.18	0.620038			3
4.38	4.40	4.42	4466.946	0.179137			4
4.44	4.47	4.48	5823.016	0.405508			5
4.60	4.62	4.64	6478.916	0.370349			6
Height Summation:			36446.94				
Amount Avg CF:			0.363418	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/23/17 ACF PBLK36142 Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 24, 2017 12:17:31
Instrument : CP20--17342A
Result file : 20PCBS17137006.096.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**33.44**	
5.21	5.23	5.24	1810.06	0.362578			1
5.37	5.40	5.41	742.5537	0.18412			2
5.81	5.84	5.85	2413.338	0.447994			4
6.25	6.28	6.29	1356.508	0.417822			6
Height Summation:			**6322.4597**				
Amount Avg CF:			**0.353129**	Linear:			
Aroclor-1268					**5**	**158.95**	
5.81	5.84	5.85	2413.338	0.201465			1
6.00	6.03	6.04	34075.57	3.496404			3
6.07	6.09	6.11	32866.94	14.709855			4
6.25	6.28	6.29	1356.508	0.336976			5
6.45	6.47	6.49	23172.05	0.735557			6
Height Summation:			**93884.406**				
Amount Avg CF:			**3.896052**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 12:17:31
Instrument : CP20--17342B
Result file : 20PCBS17137006B.096.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**5**	**28.81**	
4.31	4.33	4.35	10699.18	0.37895			1
4.44	4.47	4.48	5823.016	0.174892			2
4.55	4.57	4.59	10463.71	0.390611			3
4.90	4.92	4.94	6990.987	0.33951			4
5.09	5.11	5.13	12580.16	0.26921			5
Height Summation:			**46557.053**				
Amount Avg CF:			**0.310635**	Linear:			
Aroclor-1262					**4**	**7.87**	
4.90	4.92	4.94	6990.987	0.216827			2
5.09	5.11	5.13	12580.16	0.20513			3
5.31	5.33	5.35	4550.753	0.179076			4
5.73	5.75	5.77	4462.433	0.201584			6
Height Summation:			**28584.333**				
Amount Avg CF:			**0.200654**	Linear:			
Aroclor-1268					**5**	**167.52**	
5.31	5.33	5.35	4550.753	0.054985			1
5.51	5.53	5.55	226392.8	3.144823			3
5.57	5.60	5.61	266617	15.318195			4
5.73	5.75	5.77	4462.433	0.15821			5
5.93	5.95	5.97	162731.3	0.759126			6
Height Summation:			**664754.286**				
Amount Avg CF:			**3.887068**	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		** 97.28	4	40	
Aroclor-1221			51	15.3		19.81	3	5	
Aroclor-1232			51	12.3		** 112.02	4	10	
Aroclor-1242			51	12.3		** 96.51	4	30	
Aroclor-1248			51	9.9		25.98	4	40	
Aroclor-1254			51	13.2		3.13	4	40	
Aroclor-1260			51	11.7		** 45.48	4	40	
Aroclor-1262			51	9.9		** 55.07	4	40	
Aroclor-1268			51	9.9		0.23	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 5/23/17 ACF ABPBLK36142 BLK 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 12:17:31 PM Injection Volume: 1 µl
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: 20pcbs17137006.096.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		14679	16148
2.13		178115	118472
2.16		2433	1471
2.2		2130	1154
2.218		12418	9190
2.31		6872	4118
2.329		5711	3407
2.388		59717	39929
2.423		1643	1533
2.567		3674	3900
2.655		3539	3247
2.697		1197	850
2.731		5159	4611
2.783		2114	1435
2.831		1329	1026
2.874		1535	1040
2.925	TCX	3746870	2465780
2.975		4452	7428
3.072		1247	3642
3.108		6682	3744
3.125		5334	2875
3.195		1118	959
3.234		1212	822
3.256		3504	2431
3.4		1113	1074
3.469		3117	2338
3.556		969	1219
3.589		18675	13170
3.659		14314	11376
3.713		2749	1772
3.759		623	618
3.797		2651	2206
4.083		578	892
4.194		2882	3277
4.23		902	531
4.3		6296	9009
4.39		1064	1489
4.413		2185	1734
4.478		618	1310
4.521		1146	1361
4.577		1978	1696
4.634		1436	1883
4.721		782	708
4.854		667	588
4.882		9412	8307
4.928		916	875
4.958		1209	1043
5.012		786	646
5.122		17478	16854
5.17		1388	1279
5.235		1810	1806
5.396		743	840
5.435		71266	87869
5.533		15729	15225

RT A	Compound A	Height A	Area A
5.655		27547	28895
5.793		7059	7268
5.841		2413	2754
6.025		34076	33188
6.091		32867	27925
6.112		5307	3268
6.207		3590	13175
6.28		1357	2695
6.47		23172	24538
6.616	DCB	2334988	2399546
7.353		326	965
7.969		938	2393
8.077		615	660
8.209		855	1197
8.404		763	1138
8.492		711	843
8.682		3531	4794

LANCASTER LABORATORIES

Sample Number: BLANKA 5/23/17 ACF ABPBLK36142 BLK 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 12:17:31 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: 20pcbs17137006B.096.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		10041	7710
2.053		36351	25081
2.113		426922	257605
2.156		21008	11710
2.18		5402	3530
2.2		11853	7838
2.234		13613	16758
2.265		3533	3610
2.326		17396	13130
2.351		3221	1429
2.394		20835	14649
2.433		35798	21324
2.476		7399	9589
2.566		25761	16308
2.59		10841	5949
2.614	TCX	23129880	13235240
2.734		51786	29843
2.763		6022	7034
2.804		13487	25310
2.851		14660	31029
2.898		4176	6222
2.922		9622	5837
2.947		25474	18891
2.992		5949	5166
3.072		1744	992
3.146		23941	13979
3.189		6736	11782
3.22		4095	1928
3.244		157365	91531
3.319		129379	81593
3.363		26068	24594
3.404		7301	6633
3.453		3518	6304
3.48		5717	5661
3.535		4199	3867
3.56		3440	3119
3.593		14213	8334
3.645		5246	5698
3.733		21875	92862
3.803		3040	2005
3.829		6948	4602
3.876		4444	3118
3.938		21303	14614
3.976		1716	1909
4.007		11910	9016
4.073		29550	24964
4.115		6236	7509
4.151		13356	17073
4.206		7321	11298
4.234		8979	11267
4.334		10699	14293
4.397		4467	2971
4.44		62496	48864
4.465		5823	3716

RT B	Compound B	Height B	Area B
4.525		5256	5926
4.567		10464	12933
4.619		6479	5066
4.643		4285	2365
4.669		99731	76431
4.7		13888	17369
4.842		437423	436806
4.918		6991	5801
4.943		4550	3192
4.986		7991	9094
5.028		3016	1863
5.063		97040	82543
5.111		12580	11718
5.164		22227	16937
5.185		170105	131527
5.329		4551	3434
5.399		14265	28374
5.475		4069	3384
5.527		226393	198178
5.596		266617	239099
5.645		84032	73658
5.727		1745	1429
5.752		4462	4280
5.79		2001	1796
5.95		162731	140578
5.984		4628	3357
6.109	DCB	15368540	13869920
6.275		3279	7877
6.446		2416	1720
6.771		1246	1121
6.931		2020	3772
7.2		1717	2723
7.417		2555	4476
7.629		2250	5195
7.72		3005	4970
8.219		21872	37171
8.519		1935	1490
8.555		2021	950

BLANKA 5/23/17 ACF ABPBLK36142 BLK 171420036A 10225 SW-846 80

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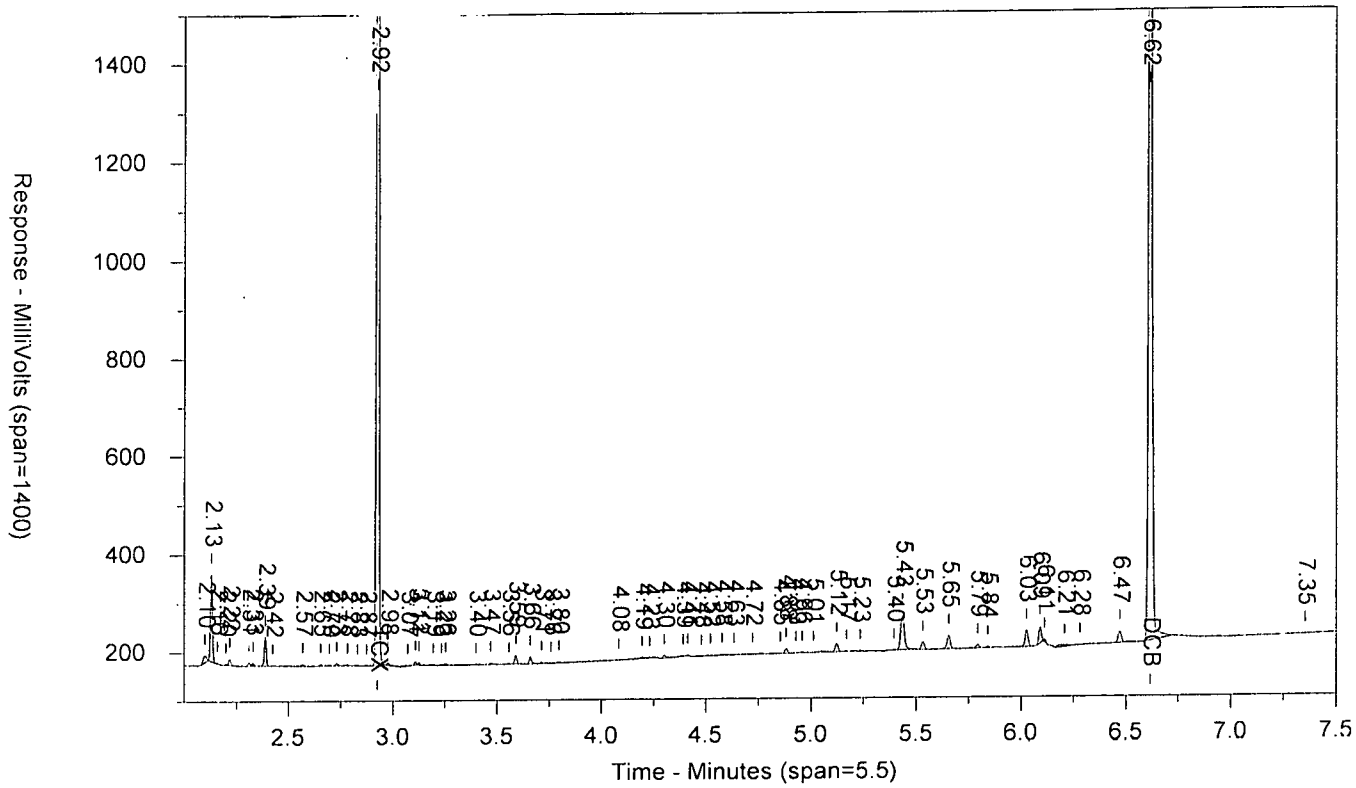

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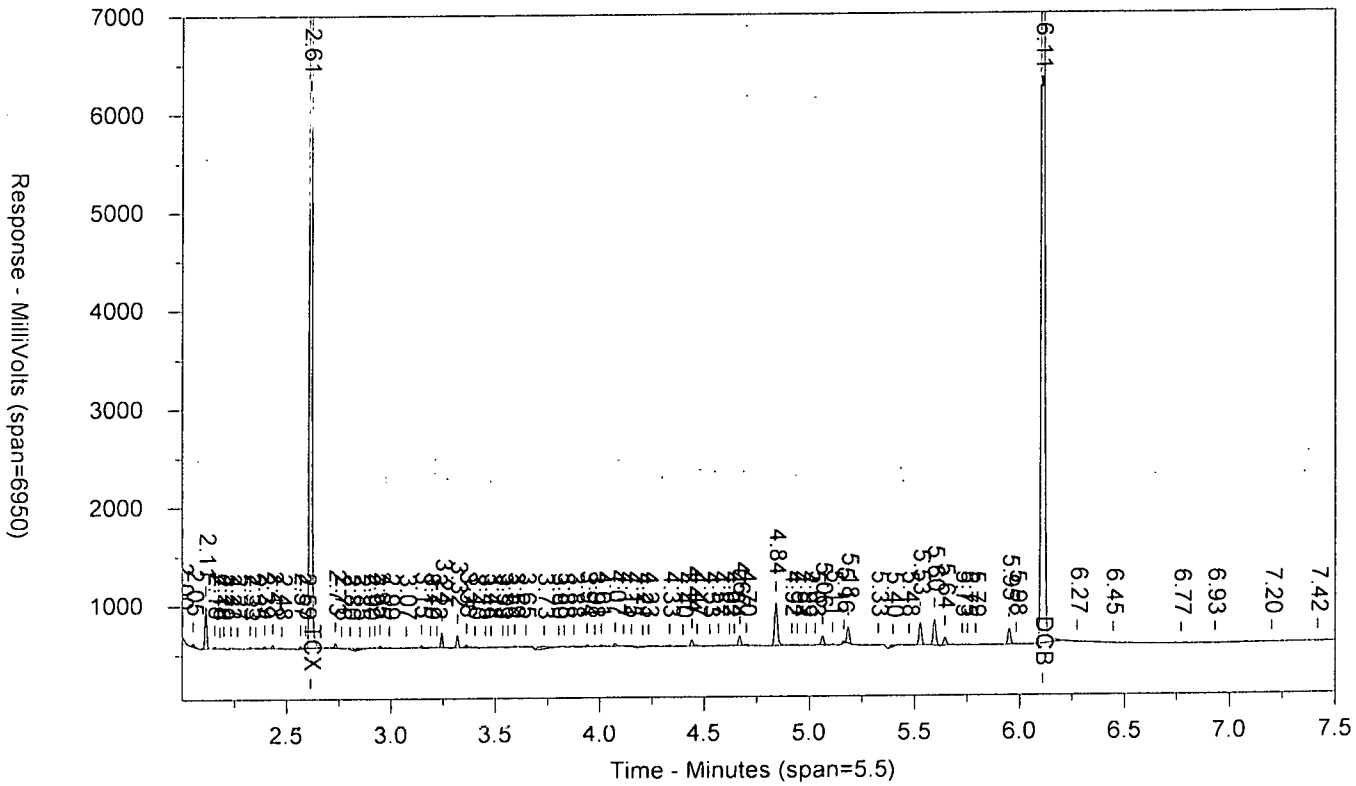

LANCASTER LABORATORIES

Sample Number: BLANKA 5/23/17 ACF ABPBLK36142 BLK 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 12:17:31 PM Sample Weight: 10
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	3746870	32.971	TCX	2.614	23129880	33.458	TCX
6.616	2334988	33.931	DCB	6.109	15368540	31.546	DCB

Files:
Area File: 20pcbs17137006.096.RAW
Area File: 20pcbs17137006B.096.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 12:26:15 PM
File Reported On: 5/24/2017 at 12:26:23 PM

BLANKA 5/23/17 ACF ABPBLK36142 BLK 171420036A 10225 SW-846 80

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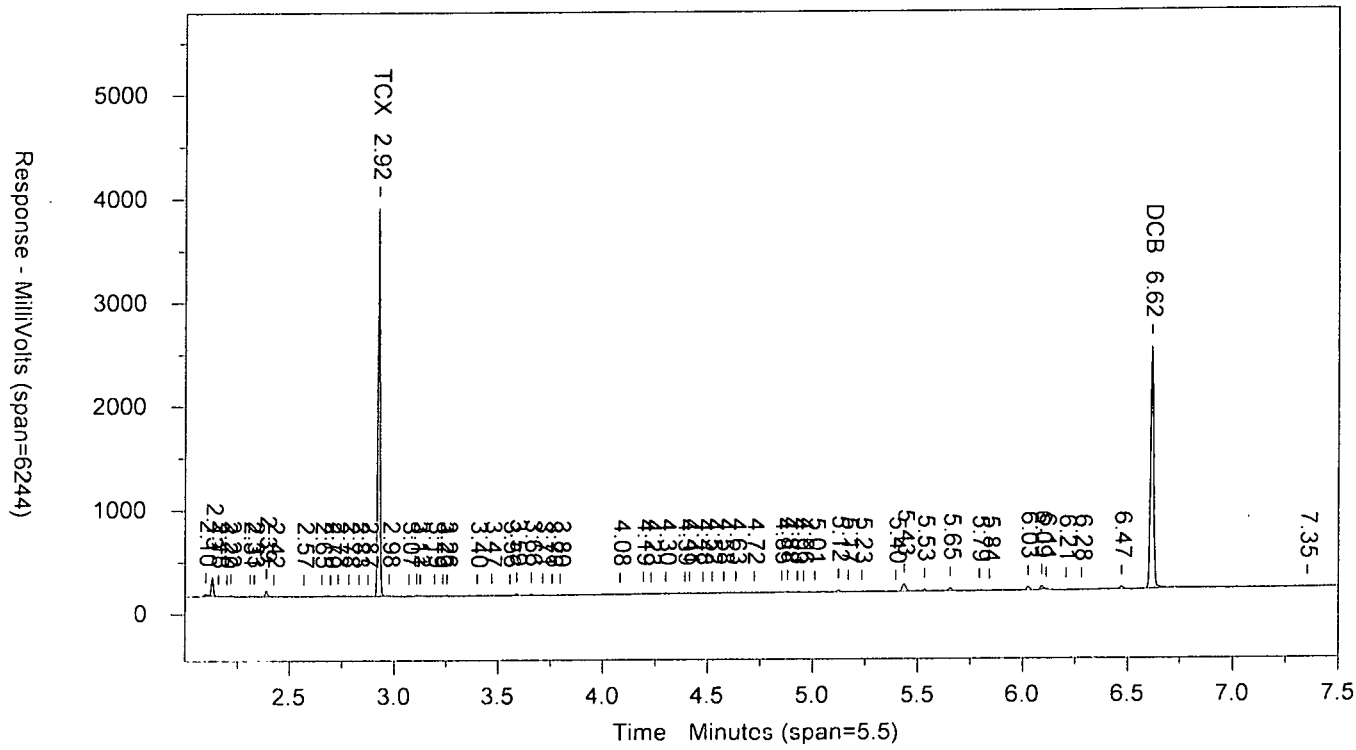

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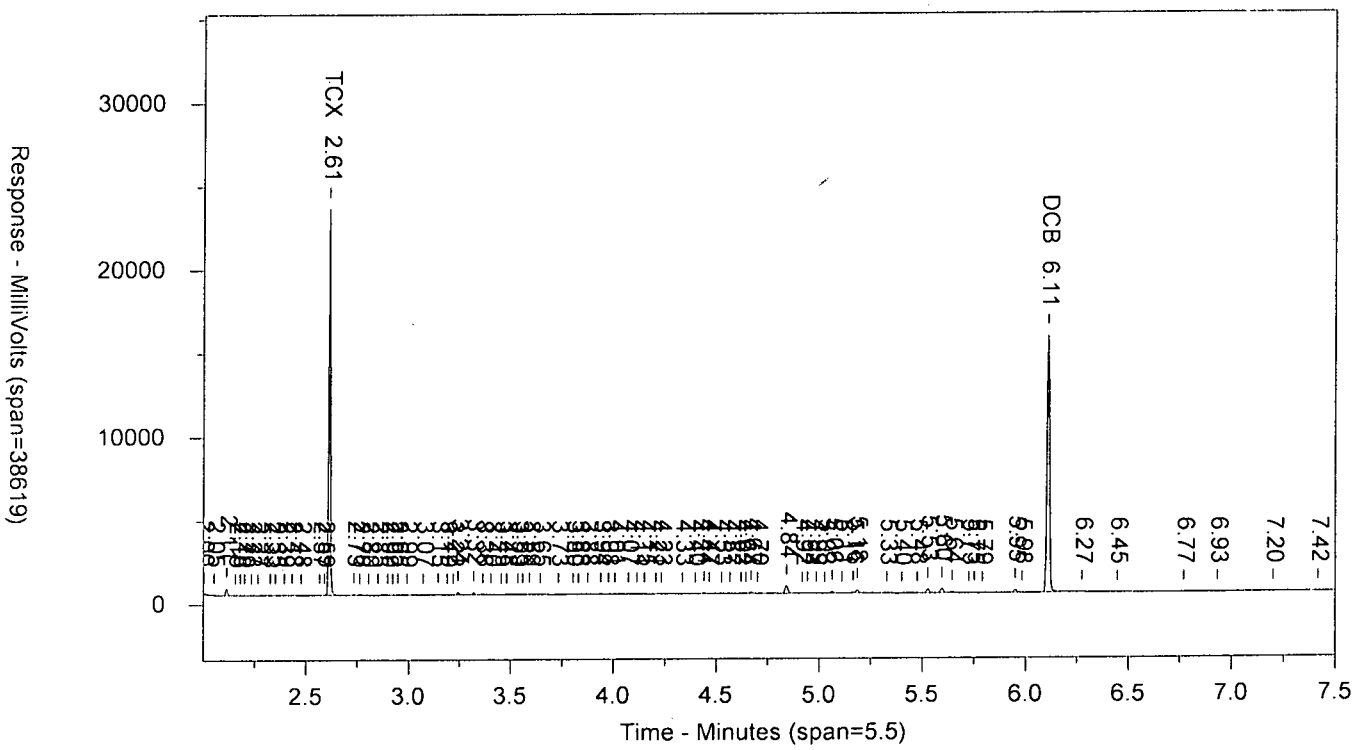

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Data Summary

Sample Name: LCSA 5/23/17 ACF LCS36142 LCS Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 24, 2017 12:29:00
Instrument	17342A
Result file	20PCBS17137006.097.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 112% (61 - 152) Conc: 32.87268
%SSR(DCB) 113% (48 - 164) Conc: 32.93691

Analysis Report (B)

Injected on	May 24, 2017 12:29:00
Instrument	17342B
Result file	20PCBS17137006B.097.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 111% (61 - 152) Conc: 32.56125
%SSR(DCB) 105% (48 - 164) Conc: 30.68196

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3735668	32.87268
Decachlorobiphenyl	6.58	6.61	6.64	2266599	32.93691

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	22509880	32.56125
Decachlorobiphenyl	6.08	6.11	6.14	14947590	30.68196

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	32.87268				0.95	
☐ Decachlorobiphenyl	A	32.93691				7.09	

Multiple Component Data

Aroclor-1016 (%RSD 1.60)

Min	RT	Max	Height	Amount	Pks	Peak
3.16	3.18	3.20	1007346	490.93964		1
3.37	3.40	3.41	1032766	492.919876		2
3.49	3.51	3.53	1145730	485.714338		3
3.71	3.73	3.75	1289879	493.554245		4
3.76	3.79	3.80	1087454	508.726114		5
3.96	3.98	4.00	839801.6	489.972616		6

Height summation: **6402976.6**
Concentration CF: **493.637805** L:

Aroclor-1016 (%RSD 2.62)

Min	RT	Max	Height	Amount	Pks	Peak
2.88	2.90	2.92	5401004	477.642751		1
3.21	3.23	3.25	6819116	485.274238		2
3.40	3.42	3.44	7204064	510.20409		3
3.47	3.49	3.51	8448092	505.928262		4
3.63	3.65	3.67	6891388	491.204335		5
3.72	3.74	3.76	6063250	504.34999		6

Height summation: **40826914**
Concentration CF: **495.767278** L:

Aroclor-1260 (%RSD 5.03)

Min	RT	Max	Height	Amount	Pks	Peak
4.73	4.76	4.77	2082187	496.833663		1
5.03	5.05	5.07	1169472	505.031095		2
5.20	5.23	5.24	1387266	511.639279		3
5.37	5.39	5.41	1371932	443.456111		4
5.61	5.63	5.65	3758802	501.2069		5
5.82	5.84	5.86	2107002	500.126318		6

Height summation: **11876661**
Concentration CF: **493.048894** L:

Aroclor-1260 (%RSD 3.94)

Min	RT	Max	Height	Amount	Pks	Peak
4.31	4.33	4.35	14226430	503.880602		1
4.44	4.46	4.48	16810300	504.88935		2
4.55	4.57	4.59	13796730	515.032395		3
4.90	4.92	4.94	10646450	517.034166		4
5.09	5.11	5.13	26010980	556.624476		5
5.35	5.37	5.39	15735500	503.370882		6

Height summation: **97226390**
Concentration CF: **516.805312** L:

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Data Summary

Sample Name: LCSA 5/23/17 ACF LCS36142 LCS Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 24, 2017 12:29:00
Instrument	17342A
Result file	20PCBS17137006.097.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

Analysis Report (B)

Injected on	May 24, 2017 12:29:00
Instrument	17342B
Result file	20PCBS17137006B.097.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	495.767278	51	9.9		0.43	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	516.805312	51	11.7		4.70	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	1012.57259	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Patricia L. Miller, Senior Chemist
Date: MAY 24 2017

Verified by: MAY 25 2017
Date:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/23/17 ACF LCS36142 Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 24, 2017 12:29:00
Instrument : CP20--17342A
Result file : 20PCBS17137006.097.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 112% (61-152) Conc.: 32.87268 B005
%SSR(DCB) : 113% (48-164) Conc.: 32.93691

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	1.60	
3.16	3.18	3.20	1007346	490.93964			1
3.37	3.40	3.41	1032766	492.919876			2
+ 3.37	3.41	3.41	430922.7	205.671337			2
3.49	3.51	3.53	1145730	485.714338			3
3.71	3.73	3.75	1289879	493.554245			4
3.76	3.79	3.80	1087454	508.726114			5
3.96	3.98	4.00	839801.6	489.972616			6
Height Summation:			**6402976.6**				
Amount Avg CF:			**493.637805**	Linear:			
Aroclor-1221					3	35.69	
3.06	3.08	3.10	174627.7	177.662434			1
E 3.11	3.13	3.15	216858	255.203582			2
E 3.16	3.18	3.20	1007346	366.954487			3
Height Summation:			**1398831.7**				
Amount Avg CF:			**266.606834**	Linear:			
Aroclor-1232					6	29.36	
E 3.16	3.18	3.20	1007346	409.086526			1
E 3.38	3.40	3.42	1032766	1042.305748			2
E+ 3.38	3.41	3.42	430922.7	434.90317			2
E 3.49	3.51	3.53	1145730	1053.832255			3
E 3.71	3.73	3.75	1289879	1093.676861			4
E 3.77	3.79	3.81	1087454	1176.094977			5
E 3.96	3.98	4.00	839801.6	1174.949093			6
Height Summation:			**6402976.6**				
Amount Avg CF:			**991.657576**	Linear:			
Aroclor-1242					6	4.16	
E 3.16	3.18	3.20	1007346	573.072022			1
E 3.38	3.40	3.42	1032766	594.984978			2
E+ 3.38	3.41	3.42	430922.7	248.258108			2
E 3.49	3.51	3.53	1145730	602.801636			3
E 3.71	3.73	3.75	1289879	603.265892			4
E 3.77	3.79	3.81	1087454	649.586935			5
E 3.96	3.98	4.00	839801.6	613.647829			6
Height Summation:			**6402976.6**				
Amount Avg CF:			**606.226549**	Linear:			
Aroclor-1248					6	52.24	
3.76	3.79	3.80	1087454	936.995918			1
3.83	3.86	3.87	741879.4	351.499055			2
3.96	3.98	4.00	839801.6	337.860509			3
4.05	4.07	4.09	830980.1	402.158294			4
4.23	4.23	4.27	899429.2	367.448841			5
+ 4.23	4.25	4.27	221389.9	90.445654			5
4.61	4.64	4.65	596686.8	332.537038			6
Height Summation:			**4996231.1**				
Amount Avg CF:			**454.749943**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 12:29:00
Instrument : CP20--17342B
Result file : 20PCBS17137006B.097.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 111% (61-152) Conc.: 32.56125
%SSR(DCB) : 105% (48-164) Conc.: 30.68196

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.62	
2.88	2.90	2.92	5401004	477.642751			1
3.21	3.23	3.25	6819116	485.274238			2
+ 3.40	3.40	3.44	293634.2	20.795674			3
3.40	3.42	3.44	7204064	510.20409			3
3.47	3.49	3.51	8448092	505.928262			4
3.63	3.65	3.67	6891388	491.204335			5
+ 3.72	3.73	3.76	1642161	136.59735			6
3.72	3.74	3.76	6063250	504.34999			6
Height Summation:			**40826914**				
Amount Avg CF:			**495.767278**	Linear:			
Aroclor-1221					3	31.57	
2.77	2.78	2.81	1091420	182.892592			1
E 2.83	2.85	2.87	1158995	315.059387			2
E 2.88	2.90	2.92	5401004	353.924808			3
Height Summation:			**7651419**				
Amount Avg CF:			**283.958929**	Linear:			
Aroclor-1232					6	31.39	
E 2.88	2.90	2.92	5401004	390.96217			1
E 3.21	3.23	3.25	6819116	1021.332601			2
+ 3.40	3.40	3.44	293634.2	49.157333			3
E 3.40	3.42	3.44	7204064	1206.033139			3
E 3.47	3.49	3.51	8448092	1151.167142			4
E 3.66	3.68	3.70	2531121	1262.922591			5
E+ 3.66	3.70	3.70	2387510	1191.266761			5
E+ 3.73	3.73	3.77	1642161	312.526383			6
E 3.73	3.74	3.77	6063250	1153.921931			6
Height Summation:			**36466647**				
Amount Avg CF:			**1031.056596**	Linear:			
Aroclor-1242					6	5.87	
E 2.88	2.90	2.92	5401004	555.506826			1
E 3.21	3.23	3.25	6819116	587.272618			2
+ 3.40	3.40	3.44	293634.2	25.715587			3
E 3.40	3.42	3.44	7204064	630.909933			3
E 3.47	3.49	3.51	8448092	647.345266			4
E 3.64	3.65	3.68	6891388	641.358849			5
+ 3.73	3.73	3.77	1642161	170.622018			6
E 3.73	3.74	3.77	6063250	629.977178			6
Height Summation:			**40826914**				
Amount Avg CF:			**615.395112**	Linear:			
Aroclor-1248					6	74.97	
+ 3.40	3.40	3.44	293634.2	52.727303			1
E 3.40	3.42	3.44	7204064	1293.619298			1
3.51	3.53	3.55	5567663	354.4781			2
3.63	3.65	3.67	6891388	351.182886			3
+ 3.72	3.73	3.76	1642161	115.895399			4
3.72	3.74	3.76	6063250	427.913449			4
3.86	3.88	3.90	7895444	294.188938			5
+ 4.22	4.22	4.26	1419566	119.631823			6
+ 4.22	4.24	4.26	1611199	135.78141			6
4.22	4.25	4.26	4241848	357.475461			6
Height Summation:			**37863657**				
Amount Avg CF:			**513.143022**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/23/17 ACF LCS36142 Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 24, 2017 12:29:00
Instrument : CP20--17342A
Result file : 20PCBS17137006.097.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	109.81	
4.21	4.23	4.25	899429.2	311.652122			1
+ 4.55	4.58	4.59	96102.88	33.134888			2
4.55	4.59	4.59	187162.4	64.530897			2
4.61	4.64	4.65	596686.8	101.861606			3
E 4.73	4.76	4.77	2082187	1184.228463			4
4.83	4.85	4.87	325180.1	84.00233			5
5.14	5.17	5.18	3018198	759.010535			6
Height Summation:			**7108843.5**				
Amount Avg CF:			**417.547659**	Linear:			
Aroclor-1260					6	5.03	
4.73	4.76	4.77	2082187	496.833663			1
5.03	5.05	5.07	1169472	505.031095			2
5.20	5.23	5.24	1387266	511.639279			3
+ 5.37	5.37	5.41	82551.86	26.683631			4
5.37	5.39	5.41	1371932	443.456111			4
5.61	5.63	5.65	3758802	501.2069			5
5.82	5.84	5.86	2107002	500.126318			6
Height Summation:			**11876661**				
Amount Avg CF:			**493.048894**	Linear:			
Aroclor-1262					6	40.37	
E 5.21	5.23	5.24	1387266	277.887191			1
+ 5.37	5.37	5.41	82551.86	20.469206			2
E 5.37	5.39	5.41	1371932	340.178392			2
E 5.61	5.63	5.65	3758802	385.612302			3
E 5.81	5.84	5.85	2107002	391.127737			4
+ 5.87	5.88	5.91	161819.9	60.637807			5
5.87	5.89	5.91	207806.8	77.870204			5
E 6.25	6.27	6.29	843321.4	259.753769			6
Height Summation:			**9676130.2**				
Amount Avg CF:			**288.738266**	Linear:			
Aroclor-1268					6	122.62	
5.81	5.84	5.85	2107002	175.892479			1
+ 5.87	5.88	5.91	161819.9	15.482519			2
5.87	5.89	5.91	207806.8	19.882429			2
6.00	6.02	6.04	67021.4	6.876888			3
6.07	6.09	6.11	70419.81	31.516936			4
E 6.25	6.27	6.29	843321.4	209.493138			5
6.45	6.47	6.49	224926.7	7.13991			6
Height Summation:			**3520498.11**				
Amount Avg CF:			**75.13363**	Linear:			

Analysis Report (B)

Injected on : May 24, 2017 12:29:00
Instrument : CP20--17342B
Result file : 20PCBS17137006B.097.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	123.89	
4.16	4.18	4.19	1679360	80.330201			1
+ 4.22	4.22	4.26	1419566	38.269337			2
+ 4.22	4.24	4.26	1611199	43.435471			2
4.22	4.25	4.26	4241848	114.353762			2
4.31	4.33	4.35	14226430	824.448771			3
4.38	4.40	4.42	1431384	57.402509			4
E 4.44	4.46	4.48	16810300	1170.649426			5
4.60	4.62	4.64	1642781	93.904839			6
Height Summation:			**40032103**				
Amount Avg CF:			**390.181585**	Linear:			
Aroclor-1260					6	3.94	
4.31	4.33	4.35	14226430	503.880602			1
4.44	4.46	4.48	16810300	504.88935			2
4.55	4.57	4.59	13796730	515.032395			3
4.90	4.92	4.94	10646450	517.034166			4
5.09	5.11	5.13	26010980	556.624476			5
5.35	5.37	5.39	15735500	503.370882			6
Height Summation:			**97226390**				
Amount Avg CF:			**516.805312**	Linear:			
Aroclor-1262					6	29.05	
E 4.71	4.73	4.75	7663823	236.446743			1
E 4.90	4.92	4.94	10646450	330.202127			2
E 5.09	5.11	5.13	26010980	424.131095			3
5.31	5.33	5.35	4785433	188.310645			4
E 5.35	5.37	5.39	15735500	384.694187			5
E 5.73	5.75	5.77	6251654	282.40947			6
Height Summation:			**71093840**				
Amount Avg CF:			**307.699045**	Linear:			
Aroclor-1268					6	114.10	
5.31	5.33	5.35	4785433	57.820585			1
5.35	5.37	5.39	15735500	187.786615			2
5.51	5.53	5.55	483782.3	6.72022			3
5.57	5.59	5.61	396365	22.772728			4
E 5.73	5.75	5.77	6251654	221.644733			5
5.93	5.95	5.97	1609258	7.50704			6
Height Summation:			**29261992.3**				
Amount Avg CF:			**84.041987**	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		0.43	4	40	
Aroclor-1221			51	15.3	E	6.30	3	5	
Aroclor-1232			51	12.3	E	3.90	4	10	
Aroclor-1242			51	12.3	E	1.50	4	30	
Aroclor-1248			51	9.9		12.07	4	40	
Aroclor-1254			51	13.2	E	6.78	4	40	
Aroclor-1260			51	11.7		4.70	4	40	
Aroclor-1262			51	9.9	E	6.36	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/23/17 ACF LCS36142 Sample ID: AB **Batchnumber: 171420036A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	: May 24, 2017 12:29:00
Instrument	: CP20--17342A
Result file	: 20PCBS17137006.097.RAW
Calibration file	: 20PCBS1713701.CAL
Method file	: 20PCBS.MET

Analysis Report (B)

Injected on	: May 24, 2017 12:29:00
Instrument	: CP20--17342B
Result file	: 20PCBS17137006B.097.RAW
Calibration file	: 20PCBS1713701B.CAL
Method file	: 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			51	9.9	E	11.19	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 5/23/17 ACF ABLCS36142 LCS 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 12:29:00 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137006.097.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		3065	2639
2.071		1250	579
2.102		13347	16774
2.13		158022	102082
2.154		3012	2336
2.196		3455	4034
2.219		16149	11420
2.31		6322	3978
2.329		5323	3167
2.388		79680	53908
2.423		1059	594
2.445		1127	480
2.459		1403	625
2.477		3814	2281
2.539		1143	678
2.566		14492	9818
2.618		1880	948
2.654		3250	2425
2.698		1397	896
2.731		4148	4449
2.782		8903	5483
2.828		3428	2223
2.872		1506	1197
2.925	TCX	3735668	2438429
2.976		2020	1600
3.042		1932	1160
3.077		174628	148983
3.107		5083	2560
3.135		216858	152281
3.182		1007346	704831
3.233		1137	726
3.256		2417	1252
3.276		128073	92025
3.314		3459	2132
3.397		1032767	600606
3.414		430923	232057
3.451		117086	67485
3.467		36149	15667
3.483		90354	52864
3.514		1145730	841495
3.549		5033	2791
3.564		3777	1635
3.588		63723	44661
3.623		233241	134762
3.637		105854	52171
3.657		7811	3161
3.684		416679	249515
3.694		1273976	615473
3.73		1289879	970403
3.789		1087454	829665
3.829		81650	58797
3.856		741879	536230
3.883		527873	454804
3.905		160093	87728

RT A	Compound A	Height A	Area A
3.98		839802	607360
4.004		272755	179274
4.034		330520	228746
4.071		830980	873453
4.11		271399	212051
4.156		40721	30372
4.195		45640	39510
4.229		899429	681655
4.25		221390	131460
4.273		254715	176372
4.34		128800	118454
4.383		969104	874350
4.417		27526	18056
4.48		10753	9369
4.521		126306	125832
4.575		96103	60869
4.59		187162	125336
4.636		596687	537353
4.682		889219	978968
4.719		206934	148609
4.758		2082187	1901560
4.802		17635	17986
4.85		325180	350834
4.88		26523	17119
4.906		349970	317955
4.958		2472519	3028327
5.007		407373	376322
5.051		1169473	1257063
5.093		19328	10887
5.13		216522	263823
5.166		3018198	3176530
5.228		1387266	1209735
5.272		830170	804972
5.372		82552	94525
5.394		1371932	1240548
5.452		735833	671740
5.492		391605	339128
5.533		92655	89846
5.577		536395	508534
5.633		3758802	3928047
5.717		3870	4938
5.79		2876	2710
5.839		2107002	2150580
5.878		161820	166019
5.892		207807	154665
6.025		67021	67108
6.088		70420	51026
6.112		321204	289210
6.186		3433	10461
6.269		843321	829718
6.314		56070	55167
6.469		224927	230847
6.615	DCB	2266599	2325303
7.212		702	796
7.911		684	1716
8.686		1409	1376

LANCASTER LABORATORIES

Sample Number: LCSA 5/23/17 ACF ABLCS36142 LCS 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 12:29:00 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137006B.097.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		6301	7752
2.032		11851	6985
2.053		36609	19717
2.095		23933	10561
2.114		582475	330615
2.141		8143	4015
2.156		28711	15766
2.183		19284	11699
2.201		9980	4671
2.236		18437	18920
2.265		5250	3747
2.298		58894	43093
2.35		9968	13661
2.396		76050	44798
2.434		27111	17704
2.479		8725	6252
2.512		5719	3400
2.535		8095	6337
2.568		26959	16996
2.589		22247	13227
2.615	TCX	22509880	13138940
2.658		430473	321520
2.691		6567	3504
2.734		40109	22995
2.785		1091420	754560
2.845		1158995	729521
2.898		5401004	3299201
2.947		26252	21837
3.008		717611	448232
3.104		6858667	6635017
3.155		811339	529659
3.176		431599	233387
3.201		588833	332272
3.226		6819117	4591570
3.262		292938	164993
3.308		1809031	951813
3.323		1072753	522829
3.351		11102	5087
3.374		3929898	1862053
3.384		9184792	3855103
3.403		293634	107383
3.417		7204064	4813648
3.492		8448092	5126606
3.526		5567663	3367053
3.55		6099891	3366225
3.568		1981535	982318
3.653		6891388	4520706
3.676		2531121	1351389
3.697		2387511	1411281
3.726		1642161	822390
3.743		6063250	3481981
3.784		1979601	1436480
3.831		361036	304904
3.853		1584190	933235

RT B	Compound B	Height B	Area B
3.875		7895444	5037860
3.9		1666447	984299
3.92		261677	125609
3.939		903890	541937
3.974		6491276	4272362
4.008		341633	198283
4.023		513543	318063
4.07		13794	8003
4.084		54411	33747
4.118		570927	665375
4.151		28240	14390
4.176		1679360	1215149
4.218		1419566	856161
4.236		1611199	753666
4.249		4241848	2315529
4.276		2515830	2538222
4.327		14226430	10537000
4.373		214664	196346
4.397		1431384	963469
4.421		3162931	2214479
4.464		16810300	12812190
4.567		13796730	12838250
4.621		1642781	1414945
4.659		3702718	3128951
4.695		17456500	14444440
4.727		7663823	5505647
4.766		5823016	4485735
4.84		283307	210974
4.865		1879744	1848797
4.917		10646450	8249049
4.94		1330596	867415
4.99		5558713	4784510
5.026		2824203	2158463
5.056		2018309	1704537
5.088		1032949	592128
5.111		26010980	20717780
5.152		514892	388942
5.184		968857	827116
5.302		257120	171128
5.327		4785433	3950725
5.37		15735500	16637560
5.468		12158	8062
5.489		11830	7040
5.527		483782	415503
5.571		419291	313126
5.594		396365	307330
5.643		2598155	2310689
5.75		6251654	5008419
5.781		343297	252081
5.949		1609258	1401848
6.108	DCB	14947590	13331590
6.877		1911	1027
6.958		2220	2703
7.246		2574	2720
7.305		3084	3546
7.427		2224	3704
7.604		2467	2813
7.718		2690	4424
7.847		3586	6869
8.011		1844	4772
8.218		20134	33264

LCSA 5/23/17 ACF ABLCS36142 LCS 171420036A 10225 SW-846 8082

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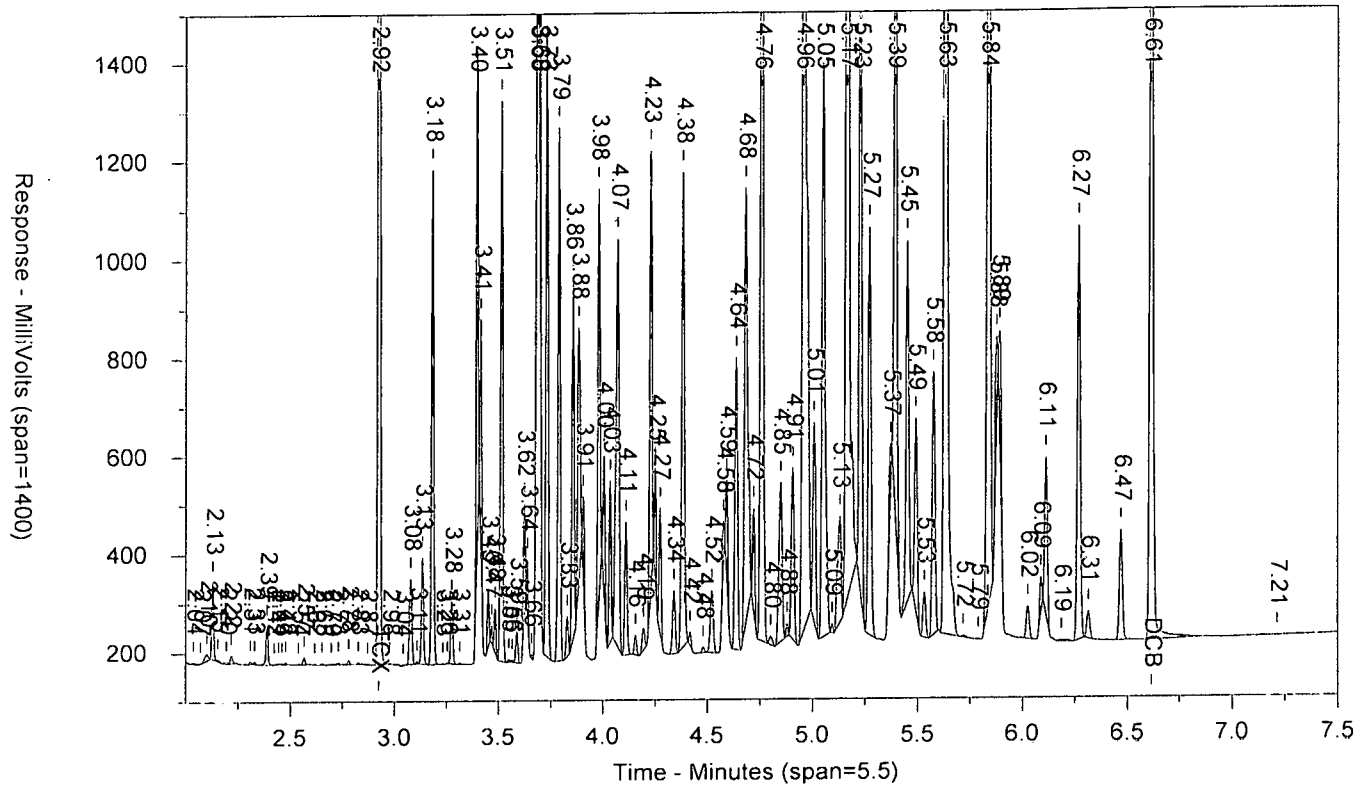

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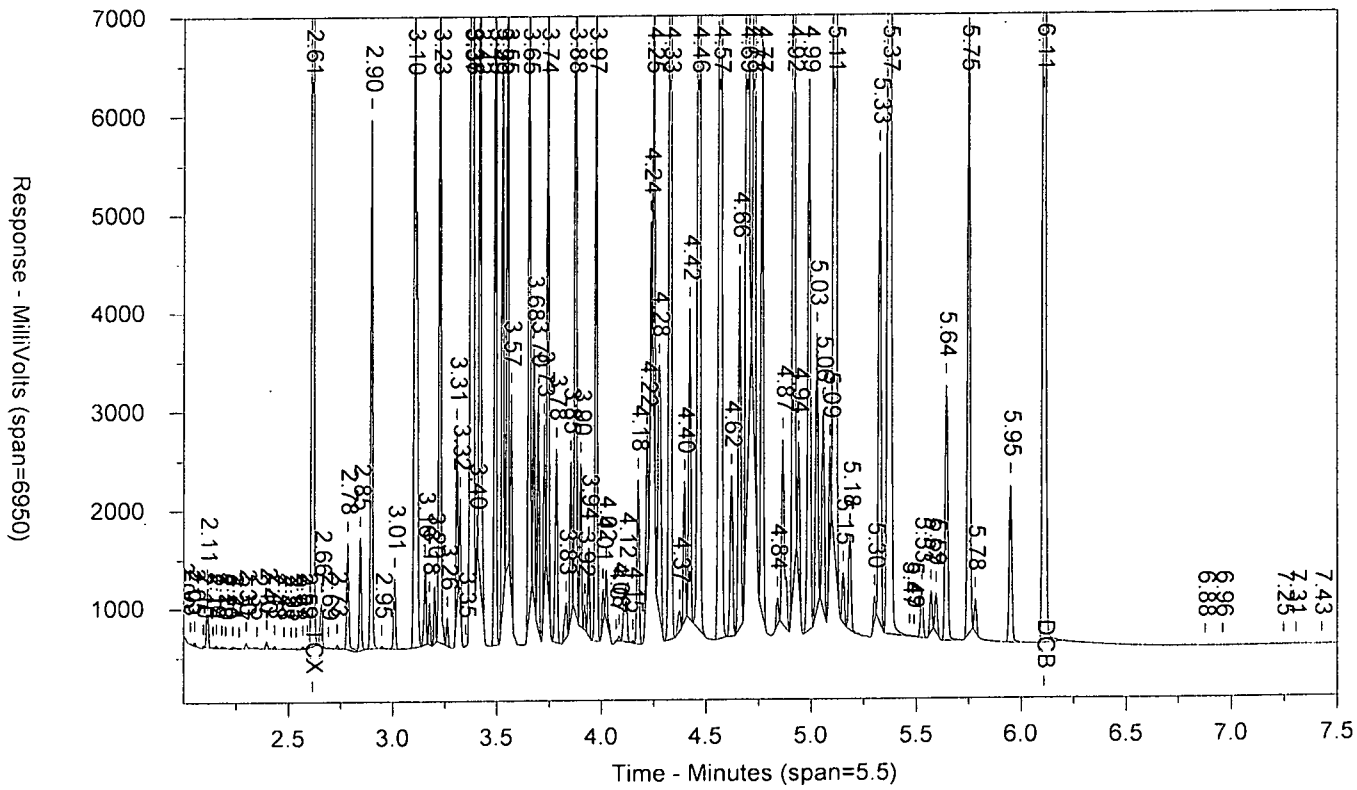

LANCASTER LABORATORIES

Sample Number: LCSA 5/23/17 ACF ABLCS36142 LCS 171420036A 10225 SW-846 8082
Injected On: 5/24/2017 12:29:00 PM Sample Weight: 10
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	3735668	32.873	TCX	2.615	22509880	32.561	TCX
6.615	2266599	32.937	DCB	6.108	14947590	30.682	DCB

Files:
Area File: 20pcbs17137006.097.RAW
Area File: 20pcbs17137006B.097.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/24/2017 12:37:45 PM
File Reported On: 5/24/2017 at 12:37:55 PM

LCSA 5/23/17 ACF ABLCS36142 LCS 171420036A 10225 SW-846 8082

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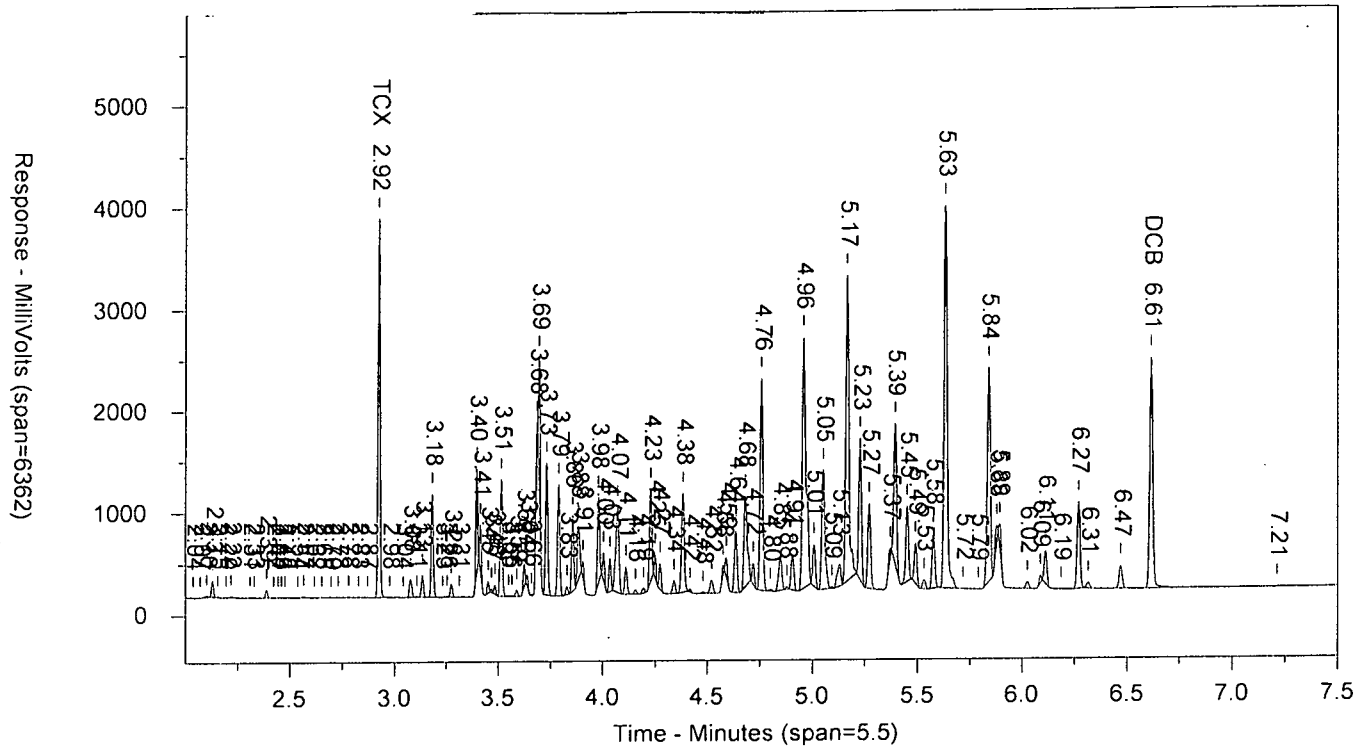

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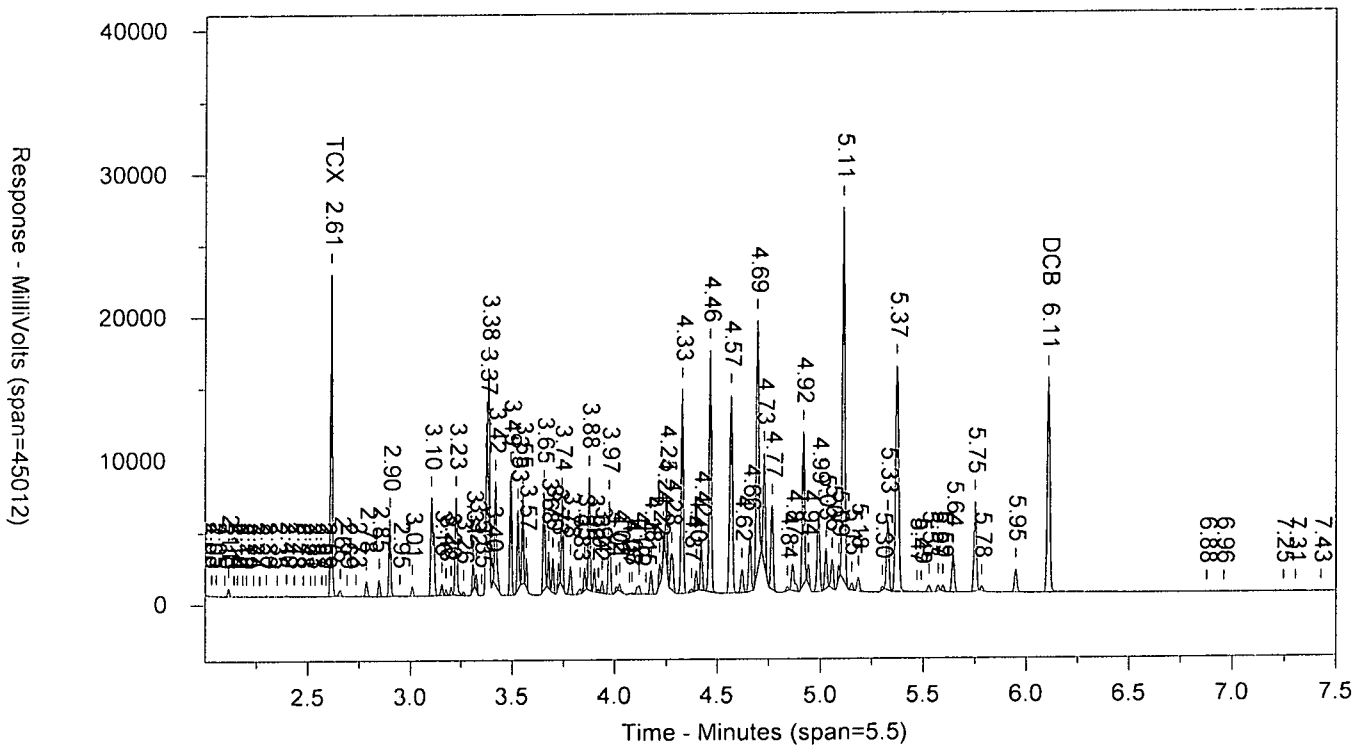

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Data Summary

Sample Name: BLANKA 5/24/17 ACF PBLK31143 BLK Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 07:15:38
Instrument	17342A
Result file	20PCBS17137007.060.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 117% (61 - 152) Conc: 34.32944
%SSR(DCB) 100% (48 - 164) Conc: 29.3857

Analysis Report (B)

Injected on	May 25, 2017 07:15:38
Instrument	17342B
Result file	20PCBS17137007B.060.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 113% (61 - 152) Conc: 33.04907
%SSR(DCB) 106% (48 - 164) Conc: 31.01306

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3901215	34.32944	Tetrachloro-m-xylene	2.59	2.61	2.65	22847110	33.04907
Decachlorobiphenyl	6.58	6.61	6.64	2022217	29.3857	Decachlorobiphenyl	6.08	6.11	6.14	15108900	31.01306

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	34.32944				3.80	
Decachlorobiphenyl	B	31.01306				5.39	

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<9.9			4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260			<51	<11.7			4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs			<51	<9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by:
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/24/17 ACF PBLK31143 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 07:15:38
Instrument : CP20--17342A
Result file : 20PCBS17137007.060.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET
%SSR(TCX) : 117% (61-152) Conc.: 34.32944
%SSR(DCB) : 100% (48-164) Conc.: 29.3857

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	139.63	
3.16	3.20	3.20	23894.06	11.644997			1
3.71	3.71	3.75	1528.507	0.584862			4
3.76	3.79	3.80	2462.474	1.15198			5
Height Summation:			27885.041				
Amount Avg CF:			4.460613	Linear:			
Aroclor-1221					3	64.34	
3.06	3.06	3.10	1644.69	1.673272			1
3.11	3.12	3.15	5328.623	6.270849			2
3.16	3.20	3.20	23894.06	8.704092			3
Height Summation:			30867.373				
Amount Avg CF:			5.549404	Linear:			
Aroclor-1232					3	99.06	
3.16	3.20	3.20	23894.06	9.703456			1
3.71	3.71	3.75	1528.507	1.296007			4
3.77	3.79	3.81	2462.474	2.663196			5
Height Summation:			27885.041				
Amount Avg CF:			4.55422	Linear:			
Aroclor-1242					3	137.40	
3.16	3.20	3.20	23894.06	13.593162			1
3.71	3.71	3.75	1528.507	0.71487			4
3.77	3.79	3.81	2462.474	1.47095			5
Height Summation:			27885.041				
Amount Avg CF:			5.259661	Linear:			
Aroclor-1248					1		
3.76	3.79	3.80	2462.474	2.121771			1
Height Summation:			2462.474				
Amount Avg CF:			2.121771	Linear:			
Aroclor-1254					2	80.39	
4.55	4.57	4.59	2647.353	0.912769			2
5.14	5.16	5.18	998.6287	0.251133			6
Height Summation:			3645.9817				
Amount Avg CF:			0.581951	Linear:			
Aroclor-1260					2	1.55	
5.03	5.05	5.07	948.2056	0.409478			2
5.82	5.84	5.86	1687.734	0.400607			6
Height Summation:			2635.9396				
Amount Avg CF:			0.405043	Linear:			
Aroclor-1262					1		
5.81	5.84	5.85	1687.734	0.313298			4
Height Summation:			1687.734				
Amount Avg CF:			0.313298	Linear:			
Aroclor-1268					4	146.81	
5.81	5.84	5.85	1687.734	0.140892			1
6.00	6.02	6.04	42087.73	4.31851			3
6.07	6.09	6.11	44601.93	19.961942			4
6.45	6.47	6.49	26895.05	0.853737			6
Height Summation:			115272.444				
Amount Avg CF:			6.31877	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 07:15:38
Instrument : CP20--17342B
Result file : 20PCBS17137007B.060.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET
%SSR(TCX) : 113% (61-152) Conc.: 33.04907
%SSR(DCB) : 106% (48-164) Conc.: 31.01306

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	171.79	
2.88	2.89	2.92	5328.542	0.471235			1
3.21	3.24	3.25	100431	7.147052			2
3.40	3.40	3.44	6603.386	0.467663			3
+ 3.40	3.43	3.44	3740.951	0.264941			3
3.47	3.48	3.51	4089.238	0.244891			4
3.63	3.64	3.67	6254.016	0.445774			5
Height Summation:			122706.182				
Amount Avg CF:			1.755323	Linear:			
Aroclor-1221					2	128.89	
2.83	2.84	2.87	27706.68	7.531741			2
2.88	2.89	2.92	5328.542	0.349176			3
Height Summation:			33035.222				
Amount Avg CF:			3.940458	Linear:			
Aroclor-1232					5	166.93	
2.88	2.89	2.92	5328.542	0.385717			1
3.21	3.24	3.25	100431	15.042046			2
3.40	3.40	3.44	6603.386	1.105474			3
+ 3.40	3.43	3.44	3740.951	0.626273			3
3.47	3.48	3.51	4089.238	0.557214			4
+ 3.47	3.51	3.51	3209.112	0.437285			4
3.66	3.69	3.70	121256.4	60.501828			5
Height Summation:			237708.566				
Amount Avg CF:			15.518456	Linear:			
Aroclor-1242					5	170.73	
2.88	2.89	2.92	5328.542	0.548054			1
3.21	3.24	3.25	100431	8.64927			2
3.40	3.40	3.44	6603.386	0.578304			3
+ 3.40	3.43	3.44	3740.951	0.327621			3
3.47	3.48	3.51	4089.238	0.313343			4
+ 3.47	3.51	3.51	3209.112	0.245902			4
3.64	3.64	3.68	6254.016	0.582041			5
Height Summation:			122706.182				
Amount Avg CF:			2.134202	Linear:			
Aroclor-1248					4	72.84	
3.40	3.40	3.44	6603.386	1.185757			1
+ 3.40	3.43	3.44	3740.951	0.671755			1
+ 3.51	3.51	3.55	3209.112	0.204316			2
3.51	3.53	3.55	3416.534	0.217522			2
3.63	3.64	3.67	6254.016	0.318703			3
4.22	4.23	4.26	8103.891	0.682943			6
Height Summation:			24377.827				
Amount Avg CF:			0.601231	Linear:			
Aroclor-1254					4	67.96	
4.22	4.23	4.26	8103.891	0.218469			2
4.31	4.33	4.35	11960.58	0.693138			3
4.38	4.40	4.42	3213.945	0.128888			4
+ 4.38	4.42	4.42	2240.692	0.089858			4
4.60	4.62	4.64	7792.263	0.445422			6
Height Summation:			31070.679				
Amount Avg CF:			0.371479	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/24/17 ACF PBLK31143 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 07:15:38
Instrument : CP20--17342A
Result file : 20PCBS17137007.060.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 25, 2017 07:15:38
Instrument : CP20--17342B
Result file : 20PCBS17137007B.060.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**4**	**52.56**	
4.31	4.33	4.35	11960.58	0.423627			1
4.55	4.56	4.59	6515.314	0.243217			3
4.90	4.92	4.94	9943.897	0.482915			4
5.09	5.11	5.13	5575.656	0.119317			5
Height Summation:			**33995.447**				
Amount Avg CF:				**0.317269** Linear:			
Aroclor-1262					**5**	**65.85**	
4.71	4.74	4.75	5147.856	0.158823			1
4.90	4.92	4.94	9943.897	0.308412			2
5.09	5.11	5.13	5575.656	0.090916			3
5.31	5.32	5.35	10792.69	0.424701			4
5.73	5.75	5.77	2395.955	0.108234			6
Height Summation:			**33856.054**				
Amount Avg CF:				**0.218217** Linear:			
Aroclor-1268					**5**	**173.00**	
5.31	5.32	5.35	10792.69	0.130404			1
5.51	5.52	5.55	286380	3.978105			3
5.57	5.59	5.61	373432.2	21.455149			4
5.73	5.75	5.77	2395.955	0.084946			5
5.93	5.95	5.97	183513.2	0.856072			6
Height Summation:			**856514.045**				
Amount Avg CF:				**5.300935** 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		** 87.04	4	40	
Aroclor-1221			51	15.3		33.91	3	5	
Aroclor-1232			51	12.3		** 109.25	4	10	
Aroclor-1242			51	12.3		** 84.54	4	30	
Aroclor-1248			51	9.9		** 111.68	4	40	
Aroclor-1254			51	13.2		** 44.15	4	40	
Aroclor-1260			51	11.7		24.30	4	40	
Aroclor-1262			51	9.9		35.78	4	40	
Aroclor-1268			51	9.9		17.52	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 5/24/17 ACF ABPBLK31143 BLK 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 7:15:38 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.060.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		2334	1923
2.104		12694	15852
2.129		119370	77179
2.2		6077	5042
2.218		14720	12629
2.309		30037	18827
2.329		5497	2797
2.388		58123	37076
2.425		815	591
2.444		2061	2553
2.476		1170	633
2.539		1343	950
2.569		4295	2906
2.589		938	690
2.617		2072	1446
2.654		2799	2073
2.684		872	507
2.732		3831	3309
2.782		1593	1022
2.828		3827	3241
2.872		1436	1117
2.924	TCX	3901215	2519169
3.044		1774	1267
3.064		1645	1993
3.107		3470	2035
3.124		5329	3031
3.154		1379	1138
3.196		23894	15820
3.234		1202	865
3.255		3669	2218
3.47		1947	1665
3.487		3590	2139
3.553		1047	785
3.588		13330	9974
3.657		10379	8860
3.71		1529	837
3.793		2462	1878
3.898		884	716
3.922		740	614
4.021		15375	11826
4.193		2607	2395
4.298		5308	6472
4.385		1153	1347
4.574		2647	2885
4.88		12720	11298
4.923		894	803
5.008		1386	1161
5.05		948	1058
5.12		22948	22737
5.163		999	1075
5.282		864	1206
5.432		63828	90460
5.53		21818	20734
5.653		38335	37286

RT A	Compound A	Height A	Area A
5.793		4937	5001
5.839		1688	1534
5.929		1531	2000
6.024		42088	41455
6.088		44602	38096
6.11		8229	5091
6.204		1276	5760
6.306		500	339
6.466		26895	27688
6.612	DCB	2022217	2239229
7.611		673	666
7.944		711	1560
8.044		592	905
8.683		4294	6580

LANCASTER LABORATORIES

Sample Number: BLANKA 5/24/17 ACF ABPBLK31143 BLK 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 7:15:38 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.060.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		14662	12016
2.052		38657	23531
2.113		422822	252687
2.141		4913	2254
2.156		32366	18211
2.183		16861	10817
2.199		6021	3187
2.235		14365	18257
2.269		6510	3294
2.284		8297	6420
2.312		9936	6845
2.338		3952	3331
2.369		5831	2442
2.397		17273	14515
2.433		27204	15946
2.468		2949	1366
2.496		3589	1509
2.539		6652	5744
2.568		7746	5675
2.59		21340	13789
2.614	TCX	22847110	13450870
2.695		4830	3476
2.734		29518	19993
2.807		14261	24551
2.835		27707	31145
2.89		5329	5964
2.921		9704	7067
2.947		24677	16125
2.995		4328	3378
3.013		129263	68813
3.08		5209	4331
3.108		2929	1987
3.146		23896	12935
3.181		31055	31491
3.243		100431	58280
3.297		4119	2498
3.319		86811	59319
3.362		17812	18589
3.403		6603	4770
3.429		3741	2482
3.482		4089	4566
3.512		3209	1338
3.535		3417	2973
3.555		3290	2239
3.59		10189	6166
3.643		6254	7017
3.694		121256	71202
3.803		2978	1527
3.827		7918	5089
3.901		5288	4275
3.937		18897	14314
4.006		4115	2203
4.023		3960	3154
4.071		27037	24218

RT B	Compound B	Height B	Area B
4.111		5179	3303
4.15		15616	14368
4.205		4469	6714
4.234		8104	10114
4.331		11961	15830
4.396		3214	2104
4.416		2241	1081
4.439		87399	65997
4.524		4759	5363
4.565		6515	4681
4.62		7792	6547
4.642		4226	2382
4.667		126550	96568
4.695		9489	10499
4.742		5148	3672
4.84		374332	368403
4.917		9944	8018
4.939		5030	3667
4.981		12185	13285
5.027		3517	2390
5.061		132167	112509
5.111		5576	4958
5.162		16483	12400
5.183		236016	193737
5.304		2332	1391
5.325		10793	48643
5.403		5009	22719
5.471		9130	9432
5.525		286380	255628
5.593		373432	320941
5.643		118628	105712
5.752		2396	1439
5.948		183513	156098
5.98		5128	6737
6.107	DCB	15108900	13432910
6.371		2522	3539
6.414		3118	3819
6.75		1936	1337
6.964		1914	2122
7.341		3453	5105
7.529		1612	1226
7.792		1456	1906
8.213		21820	42124
8.605		1849	1767

BLANKA 5/24/17 ACF ABPBLK31143 BLK 171430031A 10225 SW-846 80

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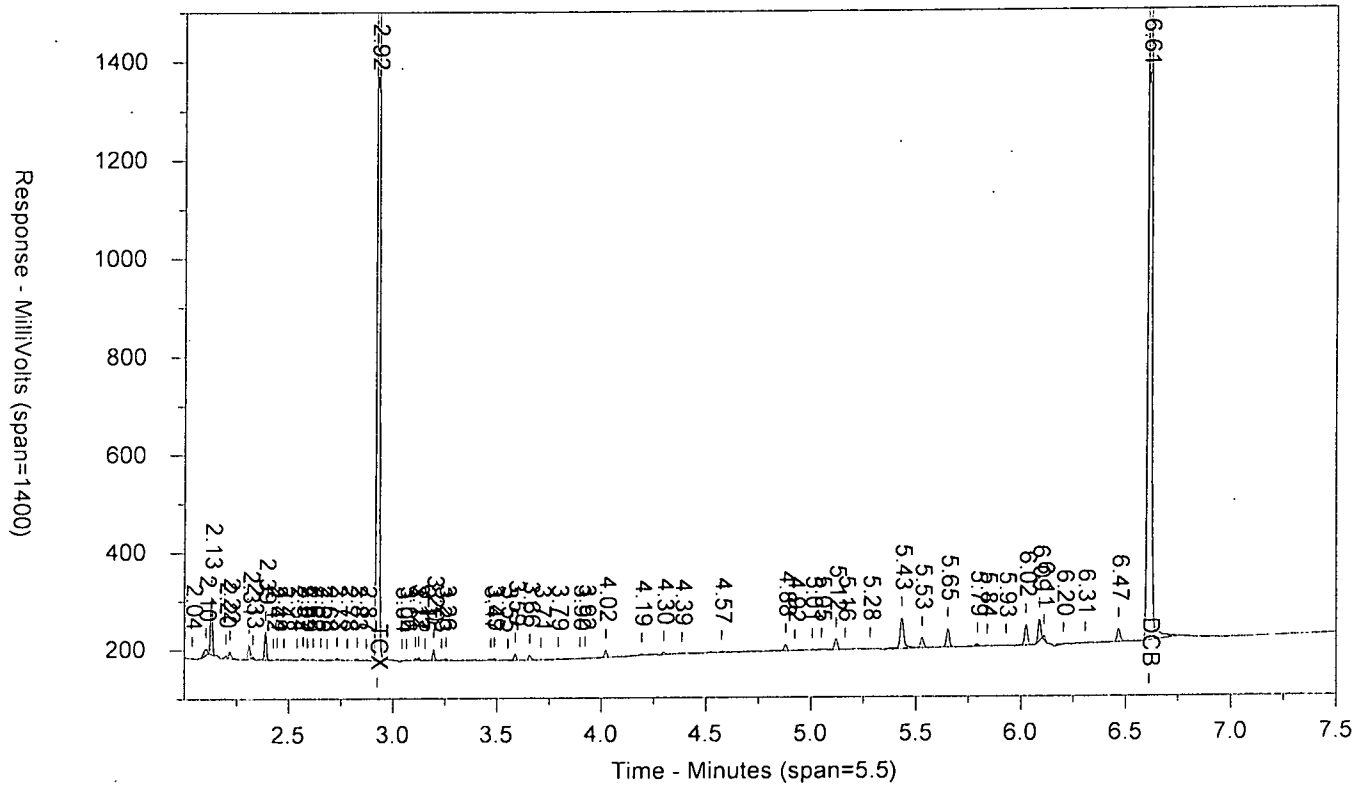

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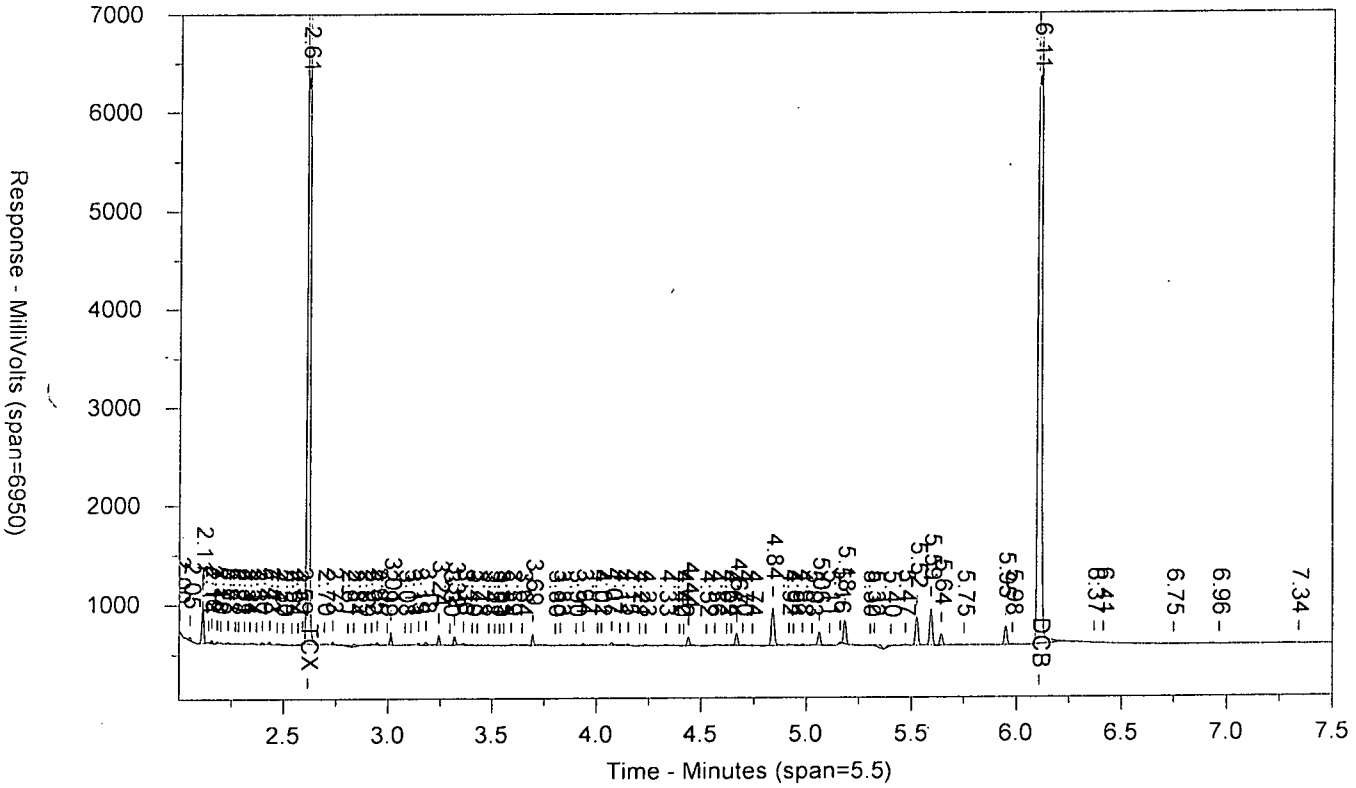

LANCASTER LABORATORIES

Sample Number: BLANKA 5/24/17 ACF ABPBLK31143 BLK 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 7:15:38 AM Sample Weight: 10
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	3901215	34.329	TCX	2.614	22847110	33.049	TCX
6.612	2022217	29.386	DCB	6.107	15108900	31.013	DCB

Files:
Area File: 20pcbs17137007.060.RAW
Area File: 20pcbs17137007B.060.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 7:24:22 AM
File Reported On: 5/25/2017 at 7:24:30 AM

BLANKA 5/24/17 ACF ABPBLK31143 BLK 171430031A 10225 SW-846 80

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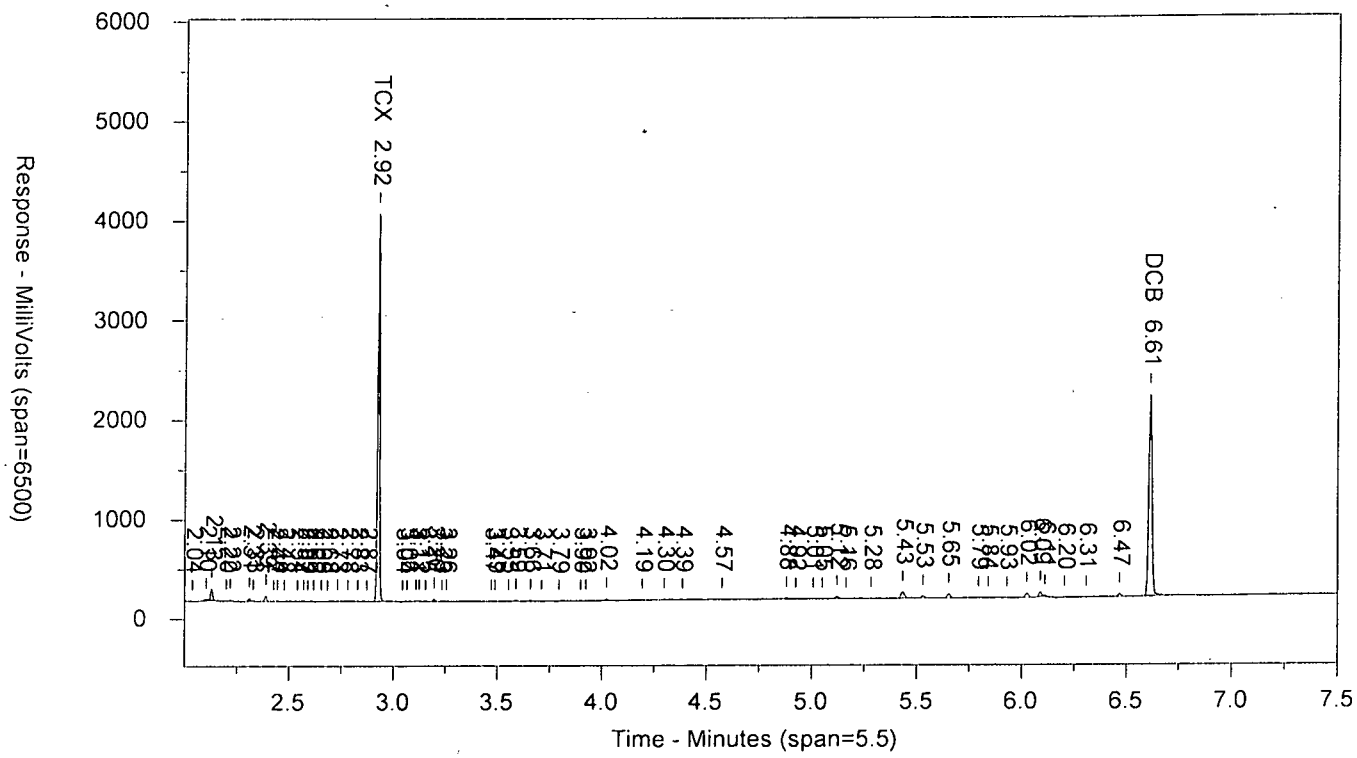

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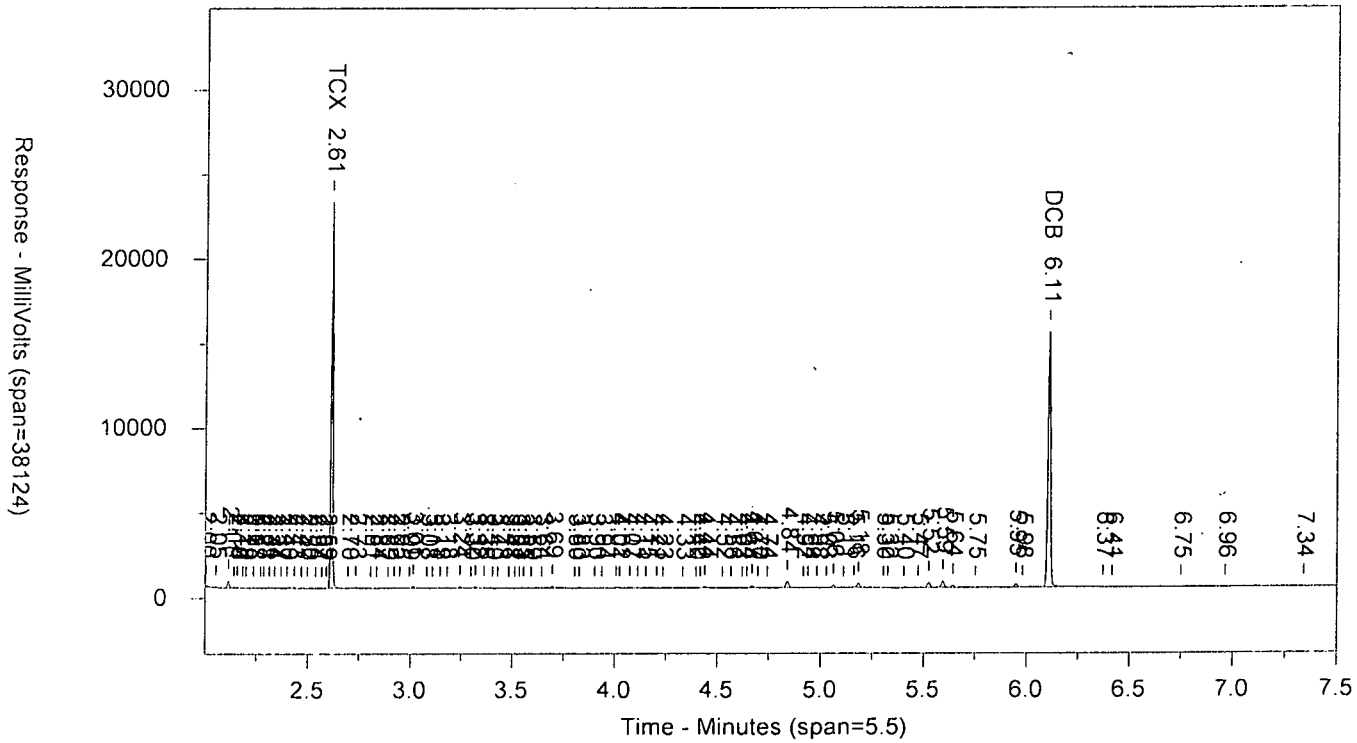

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Data Summary

Sample Name: 9001118 MSACF DF5 51A12MS MS Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.35 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 09:55:27
Instrument	17342A
Result file	20PCBS17137007.074.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 105% (61 - 152) Conc: 29.64171
%SSR(DCB) 112% (48 - 164) Conc: 31.65054

Analysis Report (B)

Injected on	May 25, 2017 09:55:27
Instrument	17342B
Result file	20PCBS17137007B.074.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 27.43116
%SSR(DCB) 98% (48 - 164) Conc: 27.68894

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	697279	29.64171
Decachlorobiphenyl	6.58	6.61	6.64	450862	31.65054

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	3925424	27.43116
Decachlorobiphenyl	6.08	6.10	6.14	2792317	27.68894

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	29.64171				7.75	
☐ Decachlorobiphenyl	A	31.65054				13.35	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.09**	
3.16	3.18	3.20	220391.8	518.889066			1
3.37	3.39	3.41	211920.1	488.625585			2
3.49	3.51	3.53	235837.3	482.992945			3
3.71	3.72	3.75	272036.1	502.854237			4
3.76	3.78	3.80	208215.6	470.561136			5
3.96	3.97	4.00	197202.8	555.8247			6
Height summation:			**1345603.7**				
Concentration		CF:	**503.291278**	L:			
Aroclor-1260						**12.99**	
4.73	4.75	4.77	1245848	1436.104349			1
5.20	5.22	5.24	808479.6	1440.465485			3
5.37	5.39	5.41	723199.2	1129.290435			4
5.61	5.63	5.65	2518840	1622.549026			5
5.82	5.83	5.86	1338568	1534.916851			6
Height summation:			**6634934.8**				
Concentration		CF:	**1432.665229**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**9.44**	
2.88	2.90	2.92	929165.1	396.964103			1
3.21	3.23	3.25	1329486	457.059333			2
3.40	3.42	3.44	1318312	451.039143			3
3.47	3.49	3.51	1526250	441.555845			4
3.63	3.65	3.67	1486091	511.717827			5
3.72	3.74	3.76	1266827	509.065314			6
Height summation:			**7856131.1**				
Concentration		CF:	**461.233594**	L:			
Aroclor-1260						**6.67**	
4.31	4.32	4.35	8929816	1527.931459			1
4.44	4.46	4.48	11286210	1637.564925			2
4.55	4.56	4.59	8185734	1476.201574			3
4.90	4.91	4.94	5876234	1378.61551			4
5.09	5.11	5.13	15522270	1604.687508			5
5.35	5.37	5.39	10584220	1635.671383			6
Height summation:			**60384484**				
Concentration		CF:	**1543.445393**	L:			

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Data Summary

Sample Name: 9001118 MSACF DF5 51A12MS MS Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.35 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 09:55:27
Instrument	17342A
Result file	20PCBS17137007.074.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

Analysis Report (B)

Injected on	May 25, 2017 09:55:27
Instrument	17342B
Result file	20PCBS17137007B.074.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	A	503.291278	246.3768	47.8261		8.72	4	
☐ PCB-1221			<246.3768	<73.913			3	
☐ PCB-1232			<246.3768	<59.4203			4	
☐ PCB-1242			<246.3768	<59.4203			4	
☐ PCB-1248			<246.3768	<47.8261			4	
☐ PCB-1254			<246.3768	<63.7681			4	
☐ PCB-1260	B	1543.445393	246.3768	56.5217		7.44	4	
☐ PCB-1262			<246.3768	<47.8261			4	
☐ PCB-1268			<246.3768	<47.8261			4	
☐ Total PCBs	A	2046.736671	246.3768	47.8261				

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001118** MSACF DF5 51A12MS Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.35 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:55:27
Instrument : CP20--17342A
Result file : 20PCBS17137007.074.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 105% (61-152) Conc.: 29.64171
%SSR(DCB) : 112% (48-164) Conc.: 31.65054

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.09	
3.16	3.18	3.20	220391.8	518.889066			1
3.37	3.39	3.41	211920.1	488.625585			2
+ 3.37	3.41	3.41	102875.5	237.200725			2
3.49	3.51	3.53	235837.3	482.992945			3
3.71	3.72	3.75	272036.1	502.854237			4
3.76	3.78	3.80	208215.6	470.561136			5
3.96	3.97	4.00	197202.8	555.8247			6
Height Summation:			1345603.7				
Amount Avg CF:			503.291278	Linear:			
Aroclor-1221					3	36.94	
3.06	3.07	3.10	36939.18	181.551306			1
3.11	3.13	3.15	47641.46	270.84825			2
3.16	3.18	3.20	220391.8	387.84538			3
Height Summation:			304972.44				
Amount Avg CF:			280.081646	Linear:			
Aroclor-1232					6	29.98	
3.16	3.18	3.20	220391.8	432.376016			1
E 3.38	3.39	3.42	211920.1	1033.225237			2
+ 3.38	3.41	3.42	102875.5	501.573767			2
E 3.49	3.51	3.53	235837.3	1047.927774			3
E 3.71	3.72	3.75	272036.1	1114.284902			4
E 3.77	3.78	3.81	208215.6	1087.863534			5
E 3.96	3.97	4.00	197202.8	1332.861686			6
+ 3.96	4.00	4.00	65798.78	444.723264			6
Height Summation:			1345603.7				
Amount Avg CF:			1008.089858	Linear:			
Aroclor-1242					6	6.35	
3.16	3.18	3.20	220391.8	605.697284			1
3.38	3.39	3.42	211920.1	589.801501			2
+ 3.38	3.41	3.42	102875.5	286.316042			2
3.49	3.51	3.53	235837.3	599.424219			3
3.71	3.72	3.75	272036.1	614.63317			4
3.77	3.78	3.81	208215.6	600.854483			5
3.96	3.97	4.00	197202.8	696.121802			6
+ 3.96	4.00	4.00	65798.78	232.268332			6
Height Summation:			1345603.7				
Amount Avg CF:			617.75541	Linear:			
Aroclor-1248					6	108.38	
3.76	3.78	3.80	208215.6	866.701849			1
3.83	3.85	3.87	213216.9	488.025067			2
3.96	3.97	4.00	197202.8	383.268799			3
4.05	4.07	4.09	196055.7	458.369312			4
4.23	4.24	4.27	94997.12	187.486496			5
4.61	4.63	4.65	975438.7	2626.172385			6
Height Summation:			1885126.82				
Amount Avg CF:			835.003985	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:55:27
Instrument : CP20--17342B
Result file : 20PCBS17137007B.074.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 97% (61-152) Conc.: 27.43116
%SSR(DCB) : 98% (48-164) Conc.: 27.68894

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	9.44	
2.88	2.90	2.92	929165.1	396.964103			1
3.21	3.23	3.25	1329486	457.059333			2
+ 3.40	3.40	3.44	67887.26	23.226529			3
3.40	3.42	3.44	1318312	451.039143			3
3.47	3.49	3.51	1526250	441.555845			4
3.63	3.65	3.67	1486091	511.717827			5
+ 3.63	3.67	3.67	563230.1	193.941611			5
3.72	3.74	3.76	1266827	509.065314			6
Height Summation:			7856131.1				
Amount Avg CF:			461.233594	Linear:			
Aroclor-1221					3	27.18	
2.77	2.78	2.81	223243.6	180.722772			1
2.83	2.85	2.87	237825.6	312.319511			2
2.88	2.90	2.92	929165.1	294.14336			3
Height Summation:			1390234.3				
Amount Avg CF:			262.395215	Linear:			
Aroclor-1232					6	35.76	
2.88	2.90	2.92	929165.1	324.924741			1
3.21	3.23	3.25	1329486	961.95009			2
+ 3.40	3.40	3.44	67887.26	54.903447			3
E 3.40	3.42	3.44	1318312	1066.177563			3
E 3.47	3.49	3.51	1526250	1004.696945			4
E 3.66	3.67	3.70	563230.1	1357.623465			5
E+ 3.66	3.69	3.70	529243.2	1275.700618			5
E 3.73	3.74	3.77	1266827	1164.710304			6
Height Summation:			6933270.2				
Amount Avg CF:			980.013851	Linear:			
Aroclor-1242					6	12.59	
2.88	2.90	2.92	929165.1	461.676155			1
3.21	3.23	3.25	1329486	553.127303			2
+ 3.40	3.40	3.44	67887.26	28.721541			3
3.40	3.42	3.44	1318312	557.747539			3
3.47	3.49	3.51	1526250	564.979478			4
3.64	3.65	3.68	1486091	668.143037			5
+ 3.64	3.67	3.68	563230.1	253.226936			5
3.73	3.74	3.77	1266827	635.867029			6
Height Summation:			7856131.1				
Amount Avg CF:			573.59009	Linear:			
Aroclor-1248					6	86.84	
+ 3.40	3.40	3.44	67887.26	58.890719			1
3.40	3.42	3.44	1318312	1143.606942			1
3.51	3.52	3.55	1392196	428.199844			2
3.63	3.65	3.67	1486091	365.848854			3
+ 3.63	3.67	3.67	563230.1	138.657112			3
3.72	3.74	3.76	1266827	431.914144			4
3.86	3.87	3.90	3832584	689.876128			5
4.22	4.23	4.26	5950146	2422.414229			6
Height Summation:			15246156				
Amount Avg CF:			913.643357	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001118** MSACF DF5 51A12MS Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.35 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:55:27
Instrument : CP20--17342A
Result file : 20PCBS17137007.074.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	79.35	
4.21	4.22	4.25	473938.7	793.331927			1
+ 4.21	4.24	4.25	94997.12	159.016869			1
4.55	4.57	4.59	342684.4	570.785705			2
4.61	4.63	4.65	975438.7	804.440127			3
4.73	4.75	4.77	1245848	3423.028212			4
4.83	4.84	4.87	737191.9	919.978294			5
5.14	5.16	5.18	2330913	2831.75578			6
Height Summation:			**6106014.7**				
Amount Avg CF:			**1557.220008**	Linear:			
Aroclor-1260					6	28.54	
4.73	4.75	4.77	1245848	1436.104349			1
5.03	5.05	5.07	1188462	2479.380863			2
5.20	5.22	5.24	808479.6	1440.465485			3
+ 5.37	5.37	5.41	50110.47	78.24853			4
5.37	5.39	5.41	723199.2	1129.290435			4
5.61	5.63	5.65	2518840	1622.549026			5
5.82	5.83	5.86	1338568	1534.916851			6
Height Summation:			**7823396.8**				
Amount Avg CF:			**1607.117835**	Linear:			
Aroclor-1262					6	43.32	
5.21	5.22	5.24	808479.6	782.361566			1
+ 5.37	5.37	5.41	50110.47	60.025014			2
5.37	5.39	5.41	723199.2	866.286864			2
E 5.61	5.63	5.65	2518840	1248.336494			3
E 5.81	5.83	5.85	1338568	1200.393845			4
5.87	5.89	5.91	114962.1	208.111415			5
6.25	6.26	6.29	583270.4	867.897284			6
Height Summation:			**6087319.3**				
Amount Avg CF:			**862.231245**	Linear:			
Aroclor-1268					6	101.57	
5.81	5.83	5.85	1338568	539.82428			1
5.87	5.89	5.91	114962.1	53.136634			2
6.00	6.02	6.04	27324.33	13.544334			3
+ 6.07	6.08	6.11	39180.01	84.711687			4
6.07	6.11	6.11	231776.3	501.127014			4
6.25	6.26	6.29	583270.4	699.964915			5
6.45	6.46	6.49	134070.3	20.559567			6
Height Summation:			**2429971.43**				
Amount Avg CF:			**304.69279**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 09:55:27
Instrument : CP20--17342B
Result file : 20PCBS17137007B.074.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	78.02	
4.16	4.17	4.19	2678044	618.845751			1
4.22	4.23	4.26	5950146	774.912438			2
4.31	4.32	4.35	8929816	2499.999423			3
4.38	4.39	4.42	4608114	892.745321			4
4.44	4.46	4.48	11286210	3796.900127			5
4.60	4.61	4.64	4122818	1138.4976			6
Height Summation:			**37575148**				
Amount Avg CF:			**1620.316777**	Linear:			
Aroclor-1260					6	6.67	
4.31	4.32	4.35	8929816	1527.931459			1
4.44	4.46	4.48	11286210	1637.564925			2
4.55	4.56	4.59	8185734	1476.201574			3
4.90	4.91	4.94	5876234	1378.61551			4
+ 4.90	4.94	4.94	2080860	488.187821			4
5.09	5.11	5.13	15522270	1604.687508			5
5.35	5.37	5.39	10584220	1635.671383			6
Height Summation:			**60384484**				
Amount Avg CF:			**1543.445393**	Linear:			
Aroclor-1262					6	35.29	
4.71	4.72	4.75	4119577	614.002515			1
4.90	4.91	4.94	5876234	880.448148			2
E 5.09	5.11	5.13	15522270	1222.723578			3
5.31	5.32	5.35	2673746	508.280481			4
E 5.35	5.37	5.39	10584220	1250.039078			5
5.73	5.75	5.77	3520584	768.296205			6
Height Summation:			**42296631**				
Amount Avg CF:			**873.965001**	Linear:			
Aroclor-1268					6	121.19	
5.31	5.32	5.35	2673746	156.066987			1
5.35	5.37	5.39	10584220	610.200556			2
5.51	5.52	5.55	181670.1	12.191205			3
5.57	5.59	5.61	118836.3	32.983637			4
+ 5.57	5.61	5.61	9197.059	2.552692			4
5.73	5.75	5.77	3520584	602.98547			5
5.93	5.95	5.97	854923.5	19.266373			6
Height Summation:			**17933979.9**				
Amount Avg CF:			**238.949038**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			246.3768	47.8261		8.72	4	40	
Aroclor-1221			246.3768	73.913		6.52	3	5	
Aroclor-1232			246.3768	59.4203	E	2.82	4	10	
Aroclor-1242			246.3768	59.4203		7.41	4	30	
Aroclor-1248			246.3768	47.8261		8.99	4	40	
Aroclor-1254			246.3768	63.7681		3.97	4	40	
Aroclor-1260			246.3768	56.5217		4.04	4	40	
Aroclor-1262			246.3768	47.8261	E	1.35	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001118** MSACF DF5 51A12MS Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.35 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 09:55:27
Instrument : CP20--17342A
Result file : 20PCBS17137007.074.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 25, 2017 09:55:27
Instrument : CP20--17342B
Result file : 20PCBS17137007B.074.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			246.3768	47.8261		24.19	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001118MSACF DF5 AC51A12MS MS 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:55:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.074.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.036		6157	6514
2.095		6467	7283
2.128		23310	14421
2.196		80334	60772
2.308		18354	12132
2.377		4311	6304
2.42		1675	1406
2.481		2520	2118
2.563		4600	7085
2.646		50820	39200
2.733		1911	2341
2.758		1079	460
2.772		9110	6436
2.825		1610	1504
2.922	TCX	697279	467629
3.009		1419	1098
3.035		4655	2773
3.075		36939	30078
3.133		47641	31860
3.18		220392	159884
3.227		395186	304630
3.273		26969	18169
3.394		211920	133540
3.411		102876	53859
3.447		24694	14008
3.463		6083	2492
3.48		19533	11316
3.509		235837	176495
3.544		1065	716
3.583		10747	7309
3.619		48885	28104
3.633		25927	11855
3.677		121195	60085
3.688		236693	120214
3.724		272036	202171
3.785		208216	169662
3.824		17407	11883
3.851		213217	158689
3.878		130685	105511
3.9		42457	23817
3.974		197203	147325
3.999		65799	42807
4.03		77770	55798
4.066		196056	207981
4.105		64200	50254
4.151		8806	7780
4.188		19221	15775
4.224		473939	358692
4.244		94997	51208
4.268		174359	133897
4.334		123621	105323
4.377		771608	725703
4.412		261862	209852
4.452		15511	10995

RT A	Compound A	Height A	Area A
4.475		34897	26274
4.517		234324	208138
4.569		342684	350688
4.6		111756	66567
4.63		975439	864290
4.676		467904	529011
4.714		222403	165205
4.753		1245848	1163519
4.804		79124	69778
4.844		737192	716552
4.873		11994	6803
4.901		243474	219704
4.953		1669241	2088585
5.002		245297	216890
5.046		1188463	1184161
5.088		66478	47491
5.125		163054	200852
5.162		2330913	2068671
5.184		83485	39401
5.223		808480	712461
5.267		541864	525373
5.373		50110	69475
5.389		723199	594556
5.447		464329	410234
5.488		258457	236503
5.528		49408	48209
5.572		411968	383152
5.598		26759	15237
5.628		2518840	2364107
5.664		17418	10262
5.716		4497	4359
5.752		1601	2169
5.834		1338568	1409293
5.87		137169	127147
5.887		114962	99783
6.02		27324	31663
6.083		39180	30583
6.107		231776	202193
6.231		3047	2208
6.263		583270	552002
6.309		39532	38067
6.464		134070	142365
6.608	DCB	450862	460769
6.647		3544	2656
6.685		1943	2076
6.77		1304	1874
6.918		2268	2438
7.076		2750	3128
7.125		1441	1212
7.622		648	521
7.773		7939	12483
8.447		991	840

LANCASTER LABORATORIES

Sample Number: 9001118MSACF DF5 AC51A12MS MS 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:55:27 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.074.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.051		9405	7694
2.07		10424	7337
2.113		24599	34684
2.157		16952	17950
2.188		6260	4236
2.213		3621	2083
2.233		15698	17308
2.28		10721	6519
2.299		5609	2165
2.364		290972	200823
2.393		4227	1981
2.409		16410	10444
2.438		11208	8839
2.464		3155	1663
2.545		36620	29181
2.574		3104	1631
2.59		8014	4740
2.615	TCX	3925424	2253286
2.658		95382	68446
2.678		7448	4715
2.705		7956	7954
2.731		9259	7123
2.785		223244	137218
2.815		9895	8159
2.845		237826	138448
2.877		26043	12686
2.897		929165	497929
2.921		1956876	1113341
2.947		6240	3337
2.97		5340	2918
3.008		146736	94828
3.034		7642	5533
3.067		3045	1919
3.104		1334976	1322171
3.155		168868	103499
3.176		82478	45848
3.201		125585	66830
3.225		1329487	879410
3.262		64669	38461
3.307		363410	185647
3.322		251936	120308
3.35		3626	1860
3.373		784144	360818
3.382		1589413	643157
3.402		67887	24556
3.416		1318312	881381
3.489		1526250	934361
3.524		1392196	857627
3.547		1247243	682986
3.565		441572	225843
3.65		1486091	964822
3.672		563230	304783
3.693		529243	316060
3.722		320316	163151

RT B	Compound B	Height B	Area B
3.739		1266827	735139
3.78		419367	313820
3.827		89194	88990
3.85		536603	321051
3.872		3832585	2389874
3.896		898359	533435
3.916		302715	158826
3.935		749877	445545
3.97		4549002	3131942
4.002		1805822	1136525
4.02		507673	244143
4.081		249772	193623
4.115		1387499	1097318
4.172		2678044	1999692
4.206		1095720	983886
4.232		5950146	5919493
4.272		1444479	1435894
4.324		8929816	6893164
4.361		569260	460713
4.393		4608114	3077685
4.418		2013375	1380131
4.46		11286210	8866350
4.514		15267	13757
4.563		8185735	7813662
4.613		4122818	3438987
4.654		2557210	2136177
4.691		13919730	11184800
4.724		4119577	2848177
4.762		3481196	2650907
4.834		111020	123493
4.862		856029	569440
4.878		283184	151115
4.913		5876234	4443802
4.937		2080860	1395375
4.986		3086370	2795510
5.022		1647589	1307283
5.052		1154317	949873
5.084		950626	612751
5.107		15522270	12264080
5.148		318813	221837
5.18		478629	392192
5.221		7005	4287
5.243		13289	8571
5.298		149359	93355
5.322		2673746	2222490
5.366		10584220	10354350
5.465		5420	3790
5.522		181670	151743
5.566		303465	235227
5.591		118836	77012
5.612		9197	4154
5.639		1598872	1333373
5.677		6162	6310
5.719		22018	13335
5.746		3520584	3002750
5.778		220806	168832
5.945		854924	737695
6.104	DCB	2792317	2438459
6.14		23845	17641
6.233		5082	3792
6.278		7235	5835
6.306		6117	4672
6.343		3266	2145
6.37		10709	9197
6.44		2144	2000
6.469		3938	3917

RT B	Compound B	Height B	Area B
6.524		17407	15909
6.58		14073	14345
7.008		41518	49538
7.118		3400	4087
7.185		2068	1829
7.409		1693	1051
7.548		5270	5948
7.6		1705	2252
7.721		1643	2728
7.841		2215	3781
8.122		2651	5970
8.21		18874	34106

9001118MSACF DF5 AC51A12MS MS 171430031A 10225 SW-846 80

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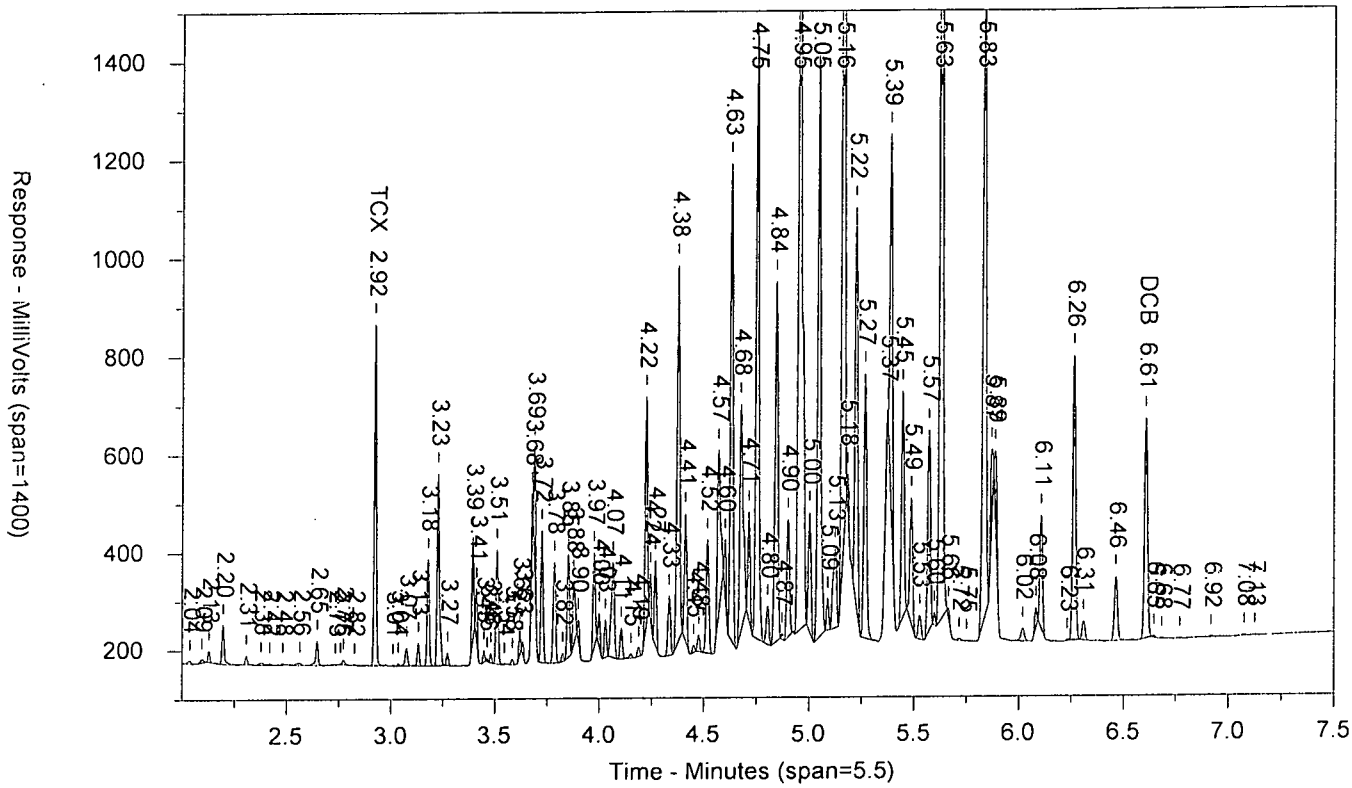

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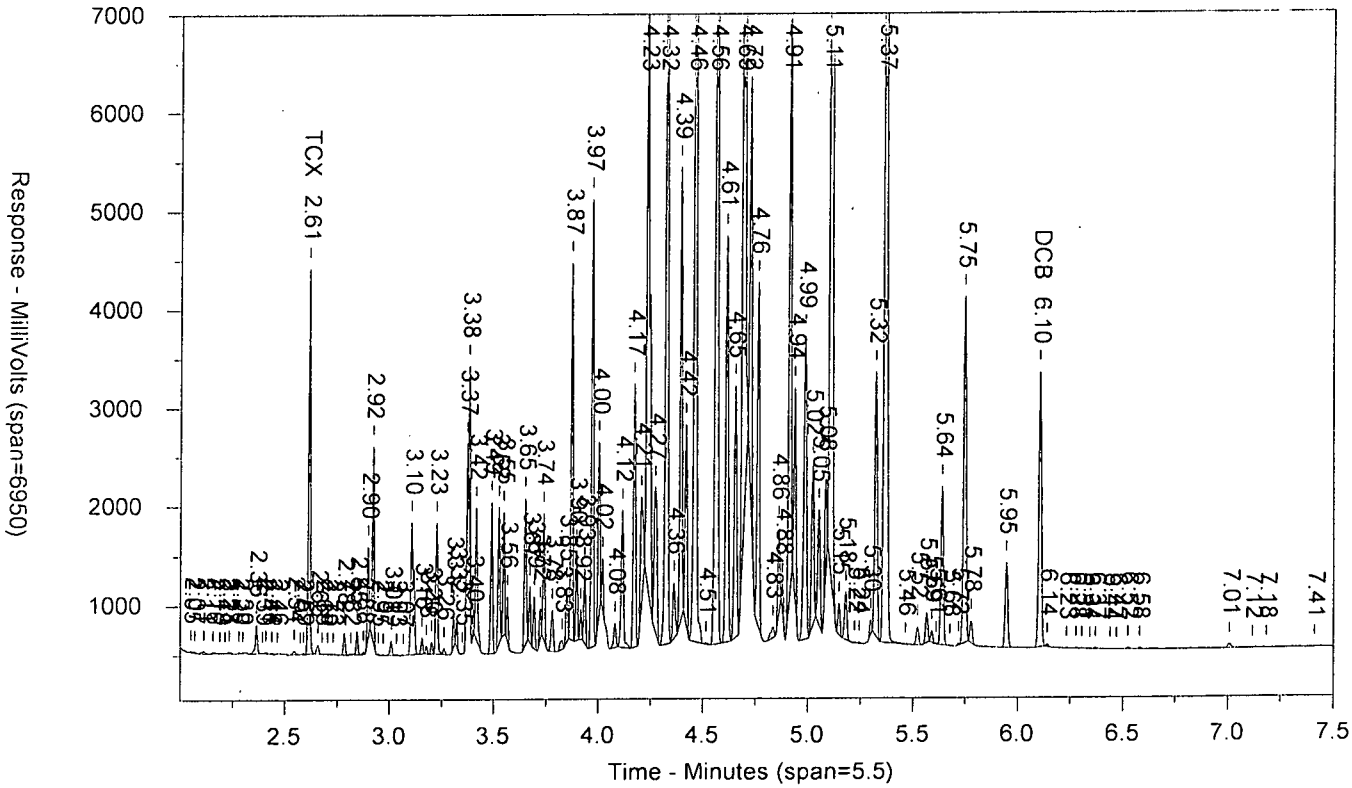

LANCASTER LABORATORIES

Sample Number: 9001118MSACF DF5 AC51A12MS MS 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 9:55:27 AM Sample Weight: 10.35
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.922	697279	29.642	TCX	2.615	3925424	27.431	TCX
6.608	450862	31.651	DCB	6.104	2792317	27.689	DCB

Files:
Area File: 20pcbs17137007.074.RAW
Area File: 20pcbs17137007B.074.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 10:04:11 AM
File Reported On: 5/25/2017 at 10:04:21 AM

9001118MSACF DF5 AC51A12MS MS 171430031A 10225 SW-846 80

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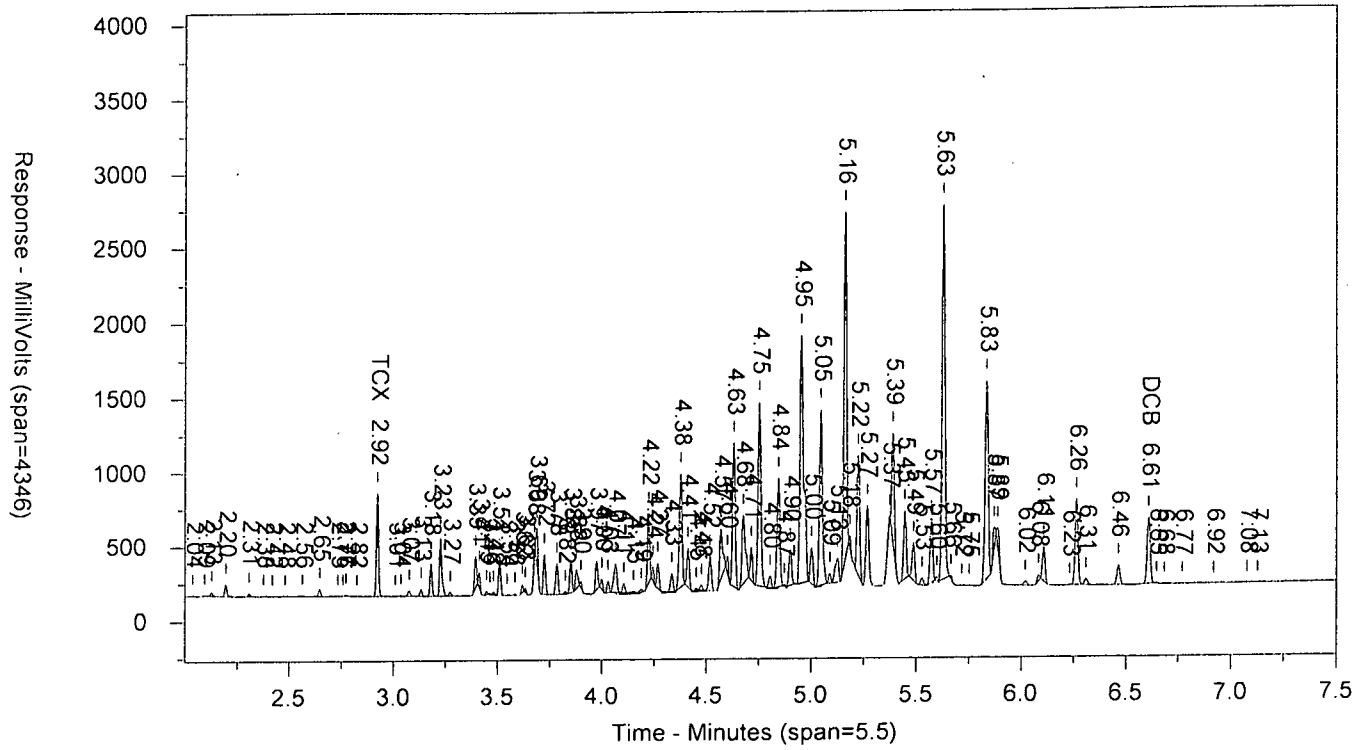

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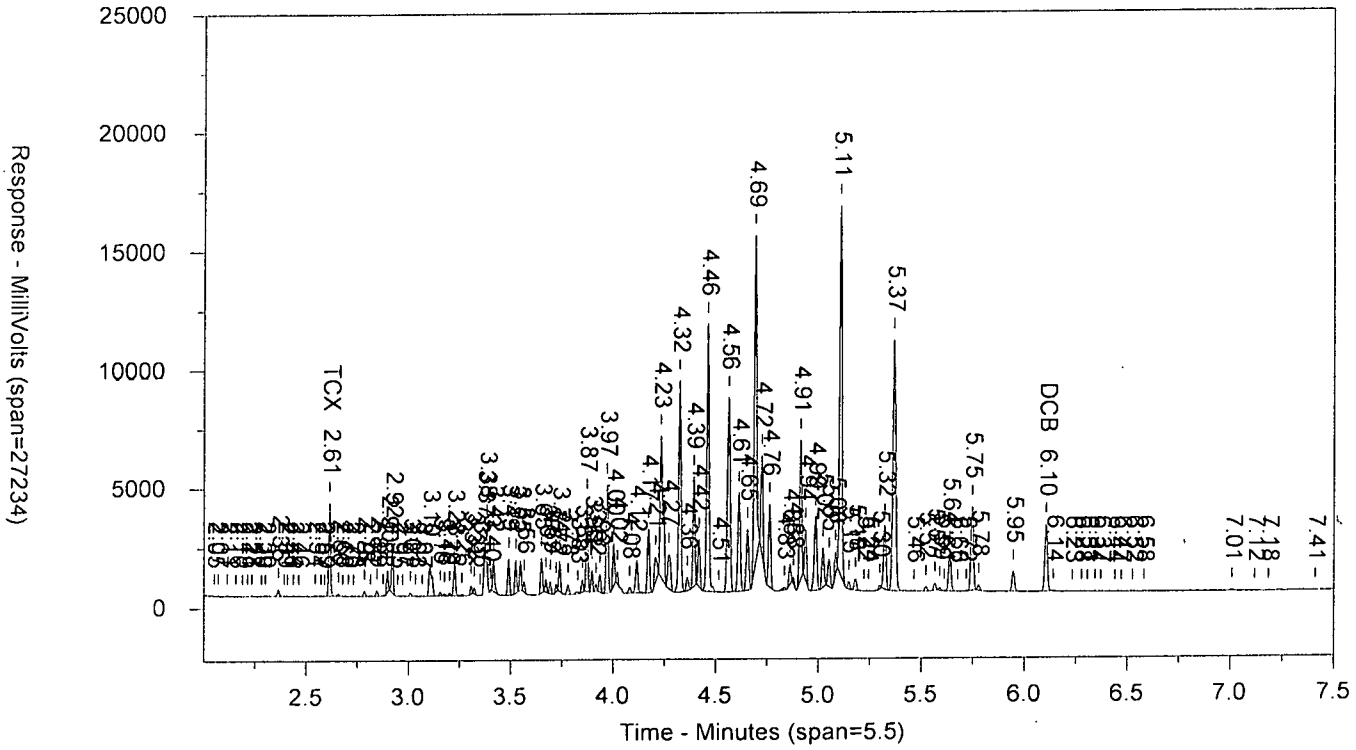

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Data Summary

Sample Name: 9001118 MSDACF DF5 51A12MSD MSD Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.3 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 10:06:58
Instrument	17342A
Result file	20PCBS17137007.075.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 106% (61 - 152) Conc: 30.23177
%SSR(DCB) 107% (48 - 164) Conc: 30.32999

Analysis Report (B)

Injected on	May 25, 2017 10:06:58
Instrument	17342B
Result file	20PCBS17137007B.075.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 28.1423
%SSR(DCB) 98% (48 - 164) Conc: 27.79494

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	707724	30.23177
Decachlorobiphenyl	6.58	6.61	6.64	429963	30.32999

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	4007734	28.1423
Decachlorobiphenyl	6.08	6.11	6.14	2789466	27.79494

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	30.23177				7.16	
☐ Decachlorobiphenyl	A	30.32999				8.72	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.35**	
3.16	3.18	3.20	219515.3	519.334302			1
3.37	3.40	3.41	218652	506.594689			2
3.49	3.51	3.53	240024.2	493.953935			3
3.71	3.73	3.75	262914.7	488.352671			4
3.76	3.79	3.80	220905.8	501.664114			5
3.96	3.98	4.00	199078.8	563.836134			6
Height summation:			**1361090.8**				
Concentration		CF:	**512.289308**	L:			
Aroclor-1260						**11.21**	
4.73	4.76	4.77	1219407	1412.448907			1
5.20	5.23	5.24	740855.3	1326.387156			3
5.37	5.39	5.41	751294.8	1178.857256			4
5.61	5.63	5.65	2364586	1530.578067			5
5.82	5.84	5.86	1358600	1565.44982			6
Height summation:			**6434743.1**				
Concentration		CF:	**1402.744241**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**7.22**	
2.88	2.90	2.92	994683.1	427.018028			1
3.21	3.23	3.25	1388284	479.590152			2
3.40	3.42	3.44	1306096	449.028857			3
3.47	3.49	3.51	1591760	462.743868			4
3.63	3.65	3.67	1492242	516.3302			5
3.72	3.74	3.76	1254866	506.706731			6
Height summation:			**8027931.1**				
Concentration		CF:	**473.569639**	L:			
Aroclor-1260						**6.31**	
4.31	4.33	4.35	8650696	1487.358083			1
4.44	4.46	4.48	10642510	1551.663673			2
4.55	4.56	4.59	8068276	1462.082596			3
4.90	4.91	4.94	5497100	1295.927904			4
5.09	5.11	5.13	14720940	1529.233862			5
5.35	5.37	5.39	9155795	1421.793035			6
Height summation:			56735317				
Concentration		CF:	**1458.009859**	L:			

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Data Summary

Sample Name: 9001118 MSDACF DF5 51A12MSD MSD Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.3 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 10:06:58
Instrument	17342A
Result file	20PCBS17137007.075.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

Analysis Report (B)

Injected on	May 25, 2017 10:06:58
Instrument	17342B
Result file	20PCBS17137007B.075.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	512.289308	247.5728	48.0583		7.86	4	
PCB-1221			<247.5728	<74.2718			3	
PCB-1232			<247.5728	<59.7087			4	
PCB-1242			<247.5728	<59.7087			4	
PCB-1248			<247.5728	<48.0583			4	
PCB-1254			<247.5728	<64.0777			4	
PCB-1260	B	1458.009859	247.5728	56.7961		3.86	4	
PCB-1262			<247.5728	<48.0583			4	
PCB-1268			<247.5728	<48.0583			4	
Total PCBs	A	1970.299166	247.5728	48.0583				

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001118** MSDACF DF5 51A12MSD Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.3 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:06:58
Instrument : CP20--17342A
Result file : 20PCBS17137007.075.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 106% (61-152) Conc.: 30.23177
%SSR(DCB) : 107% (48-164) Conc.: 30.32999

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	5.35	
3.16	3.18	3.20	219515.3	519.334302			1
3.37	3.40	3.41	218652	506.594689			2
+ 3.37	3.41	3.41	100433.4	232.694085			2
3.49	3.51	3.53	240024.2	493.953935			3
3.71	3.73	3.75	262914.7	488.352671			4
3.76	3.79	3.80	220905.8	501.664114			5
3.96	3.98	4.00	199078.8	563.836134			6
Height Summation:			1361090.8				
Amount Avg CF:			512.289307	Linear:			
Aroclor-1221					3	37.34	
3.06	3.08	3.10	35967.5	177.633758			1
3.11	3.13	3.15	49028.42	280.086383			2
3.16	3.18	3.20	219515.3	388.178173			3
Height Summation:			304511.22				
Amount Avg CF:			281.966105	Linear:			
Aroclor-1232					6	30.24	
3.16	3.18	3.20	219515.3	432.747018			1
E 3.38	3.40	3.42	218652	1071.221879			2
+ 3.38	3.41	3.42	100433.4	492.044232			2
E 3.49	3.51	3.53	240024.2	1071.709333			3
E 3.71	3.73	3.75	262914.7	1082.150588			4
E 3.77	3.79	3.81	220905.8	1159.768739			5
E 3.96	3.98	4.00	199078.8	1352.073019			6
Height Summation:			1361090.8				
Amount Avg CF:			1028.278429	Linear:			
Aroclor-1242					6	6.44	
3.16	3.18	3.20	219515.3	606.217006			1
3.38	3.40	3.42	218652	611.491329			2
+ 3.38	3.41	3.42	100433.4	280.876247			2
3.49	3.51	3.53	240024.2	613.027487			3
3.71	3.73	3.75	262914.7	596.908066			4
3.77	3.79	3.81	220905.8	640.569542			5
3.96	3.98	4.00	199078.8	706.155422			6
Height Summation:			1361090.8				
Amount Avg CF:			629.061475	Linear:			
Aroclor-1248					6	85.13	
3.76	3.79	3.80	220905.8	923.988789			1
3.83	3.85	3.87	210441.2	484.010072			2
3.96	3.98	4.00	199078.8	388.793081			3
4.05	4.07	4.09	200506	471.049513			4
4.23	4.23	4.27	466862.2	925.872938			5
+ 4.23	4.25	4.27	86330.91	171.209949			5
4.61	4.63	4.65	942240.8	2549.108253			6
Height Summation:			2240034.8				
Amount Avg CF:			957.137108	Linear:			
Aroclor-1254					6	80.06	
4.21	4.23	4.25	466862.2	785.280108			1
4.55	4.57	4.59	320201.4	535.926343			2
4.61	4.63	4.65	942240.8	780.834107			3
4.73	4.76	4.77	1219407	3366.644255			4
4.83	4.85	4.87	665793.2	834.9097			5
5.14	5.16	5.18	2082640	2542.418629			6
Height Summation:			5697144.6				
Amount Avg CF:			1474.335524	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:06:58
Instrument : CP20--17342B
Result file : 20PCBS17137007B.075.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 28.1423
%SSR(DCB) : 98% (48-164) Conc.: 27.79494

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	7.22	
2.88	2.90	2.92	994683.1	427.018028			1
3.21	3.23	3.25	1388284	479.590152			2
+ 3.40	3.40	3.44	73999.59	25.440665			3
3.40	3.42	3.44	1306096	449.028857			3
3.47	3.49	3.51	1591760	462.743868			4
3.63	3.65	3.67	1492242	516.3302			5
+ 3.72	3.72	3.76	325376.5	131.384915			6
3.72	3.74	3.76	1254866	506.706731			6
Height Summation:			8027931.1				
Amount Avg CF:			473.569639	Linear:			
Aroclor-1221					3	27.81	
2.77	2.78	2.81	228353.9	185.757099			1
2.83	2.85	2.87	241498.4	318.682267			2
2.88	2.90	2.92	994683.1	316.412786			3
Height Summation:			1464535.4				
Amount Avg CF:			273.617384	Linear:			
Aroclor-1232					6	33.67	
2.88	2.90	2.92	994683.1	349.524607			1
E 3.21	3.23	3.25	1388284	1009.369586			2
+ 3.40	3.40	3.44	73999.59	60.137279			3
E 3.40	3.42	3.44	1306096	1061.4256			3
E 3.47	3.49	3.51	1591760	1052.907252			4
E+ 3.66	3.67	3.70	523459	1267.883283			5
E 3.66	3.70	3.70	545541.4	1321.369622			5
E 3.73	3.74	3.77	1254866	1159.31401			6
Height Summation:			7081230.5				
Amount Avg CF:			992.318446	Linear:			
Aroclor-1242					6	10.46	
2.88	2.90	2.92	994683.1	496.629393			1
3.21	3.23	3.25	1388284	580.393809			2
+ 3.40	3.40	3.44	73999.59	31.459506			3
3.40	3.42	3.44	1306096	555.261653			3
3.47	3.49	3.51	1591760	592.089975			4
3.64	3.65	3.68	1492242	674.16535			5
+ 3.64	3.67	3.68	523459	236.488398			5
3.73	3.74	3.77	1254866	632.920953			6
Height Summation:			8027931.1				
Amount Avg CF:			588.576856	Linear:			
Aroclor-1248					6	85.08	
+ 3.40	3.40	3.44	73999.59	64.504649			1
3.40	3.42	3.44	1306096	1138.509876			1
3.51	3.52	3.55	1424012	440.111683			2
3.63	3.65	3.67	1492242	369.146436			3
+ 3.72	3.72	3.76	325376.5	111.472932			4
3.72	3.74	3.76	1254866	429.913015			4
3.86	3.87	3.90	3649504	660.11014			5
4.22	4.23	4.26	5726966	2342.871754			6
Height Summation:			14853686				
Amount Avg CF:			896.777151	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9001118** MSDACF DF5 51A12MSD Sample ID: AC **Batchnumber: 171430031A**
Sample Amount: 10.3 g Total Volume: 50 ml Analyst: 2855 SDG: ATE51 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 10:06:58
Instrument : CP20--17342A
Result file : 20PCBS17137007.075.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	26.52	
4.73	4.76	4.77	1219407	1412.448907			1
5.03	5.05	5.07	1124451	2357.228074			2
5.20	5.23	5.24	740855.3	1326.387156			3
+ 5.37	5.37	5.41	78705.42	123.496736			4
5.37	5.39	5.41	751294.8	1178.857256			4
5.61	5.63	5.65	2364586	1530.578067			5
5.82	5.84	5.86	1358600	1565.44982			6
Height Summation:			**7559194.1**				
Amount Avg CF:			**1561.82488**	Linear:			
Aroclor-1262					6	43.68	
5.21	5.23	5.24	740855.3	720.40208			1
+ 5.37	5.37	5.41	78705.42	94.73524			2
5.37	5.39	5.41	751294.8	904.309931			2
E 5.61	5.63	5.65	2364586	1177.577027			3
E 5.81	5.84	5.85	1358600	1224.272394			4
5.87	5.88	5.91	116527.5	211.969203			5
+ 5.87	5.89	5.91	83271.69	151.475264			5
6.25	6.27	6.29	541436.3	809.55971			6
Height Summation:			**5873299.9**				
Amount Avg CF:			**841.348391**	Linear:			
Aroclor-1268					6	127.88	
5.81	5.84	5.85	1358600	550.562606			1
5.87	5.88	5.91	116527.5	54.121634			2
+ 5.87	5.89	5.91	83271.69	38.675849			2
6.00	6.02	6.04	26285.27	13.092533			3
6.07	6.09	6.11	37105.89	80.616654			4
6.25	6.27	6.29	541436.3	652.915275			5
6.45	6.47	6.49	122957	18.946882			6
Height Summation:			**2202911.96**				
Amount Avg CF:			**228.375931**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 10:06:58
Instrument : CP20--17342B
Result file : 20PCBS17137007B.075.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	79.06	
4.16	4.17	4.19	2500178	580.548837			1
4.22	4.23	4.26	5726966	749.467387			2
4.31	4.33	4.35	8650696	2433.613319			3
4.38	4.40	4.42	4161885	810.209943			4
4.44	4.46	4.48	10642510	3597.727277			5
4.60	4.61	4.64	3739730	1037.72273			6
Height Summation:			**35421965**				
Amount Avg CF:			**1534.881582**	Linear:			
Aroclor-1260					6	6.31	
4.31	4.33	4.35	8650696	1487.358083			1
4.44	4.46	4.48	10642510	1551.663673			2
4.55	4.56	4.59	8068276	1462.082596			3
4.90	4.91	4.94	5497100	1295.927904			4
5.09	5.11	5.13	14720940	1529.233862			5
5.35	5.37	5.39	9155795	1421.793035			6
Height Summation:			**56735317**				
Amount Avg CF:			**1458.009859**	Linear:			
Aroclor-1262					6	30.57	
4.71	4.73	4.75	4265473	638.833743			1
4.90	4.91	4.94	5497100	827.639987			2
E 5.09	5.11	5.13	14720940	1165.23017			3
5.31	5.32	5.35	2613853	499.306902			4
E 5.35	5.37	5.39	9155795	1086.585529			5
5.73	5.75	5.77	3604935	790.523055			6
Height Summation:			**39858096**				
Amount Avg CF:			**834.686564**	Linear:			
Aroclor-1268					6	121.30	
5.31	5.32	5.35	2613853	153.311659			1
5.35	5.37	5.39	9155795	530.411494			2
5.51	5.52	5.55	176336.8	11.89075			3
5.57	5.59	5.61	111147.2	30.999242			4
5.73	5.75	5.77	3604935	620.429872			5
5.93	5.95	5.97	789145.6	17.870346			6
Height Summation:			**16451212.6**				
Amount Avg CF:			**227.48556**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			247.5728	48.0583		7.86	4	40	
Aroclor-1221			247.5728	74.2718		3.01	3	5	
Aroclor-1232			247.5728	59.7087	E	3.56	4	10	
Aroclor-1242			247.5728	59.7087		6.65	4	30	
Aroclor-1248			247.5728	48.0583		6.51	4	40	
Aroclor-1254			247.5728	64.0777		4.02	4	40	
Aroclor-1260			247.5728	56.7961		6.88	4	40	
Aroclor-1262			247.5728	48.0583	E	0.79	4	40	
Aroclor-1268			247.5728	48.0583		0.39	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9001118MSDACF DF5 AC51A12MSD MSD 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:06:58 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.075.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		5803	5922
2.098		7118	8554
2.129		15781	9233
2.197		71508	54239
2.309		19661	13198
2.383		4101	6167
2.422		3138	3060
2.565		4687	6868
2.647		43604	33995
2.733		1303	1418
2.774		11965	9718
2.826		3321	2712
2.872		725	339
2.924	TCX	707724	475599
3.013		1562	1222
3.036		4776	2845
3.076		35968	29560
3.134		49028	32532
3.182		219515	162589
3.229		410718	302947
3.275		28100	18684
3.396		218652	133684
3.413		100433	53785
3.45		25257	14024
3.465		6856	2850
3.482		19708	11758
3.512		240024	181046
3.586		10276	6924
3.622		52946	30281
3.637		25096	11544
3.681		112318	61107
3.692		217016	117668
3.729		262915	205609
3.788		220906	172726
3.828		18172	12105
3.855		210441	157634
3.882		132368	108241
3.903		43716	24115
3.978		199079	147740
4.003		66604	43360
4.033		77019	56099
4.069		200506	206263
4.109		63968	51414
4.154		8782	7403
4.192		18592	15534
4.227		466862	345623
4.248		86331	49129
4.271		164393	123284
4.338		117904	99609
4.381		737568	688080
4.415		242753	194682
4.455		14954	10150
4.479		32047	24274
4.521		215163	196953

RT A	Compound A	Height A	Area A
4.573		320201	329914
4.603		97337	60388
4.634		942241	815975
4.679		452741	511680
4.718		201327	156158
4.756		1219407	1123277
4.807		72266	62957
4.848		665793	655131
4.877		13295	7034
4.904		236401	222069
4.956		1664730	2001925
5.006		224548	210608
5.049		1124451	1114904
5.091		63227	45086
5.128		153090	191970
5.164		2082640	1963257
5.186		63758	30478
5.227		740855	682744
5.27		522972	503996
5.374		78705	70194
5.392		751295	599540
5.45		438204	395020
5.489		240930	224621
5.53		49019	46950
5.575		402644	363257
5.601		23670	13149
5.632		2364586	2271763
5.666		16423	11126
5.721		4045	4349
5.837		1358601	1343727
5.876		116528	123041
5.889		83272	72683
6.022		26285	28390
6.086		37106	27615
6.11		212835	194052
6.177		2251	2876
6.237		2887	2167
6.266		541436	528719
6.311		38460	36443
6.466		122957	129354
6.611	DCB	429963	458594
6.651		3384	2341
6.688		1895	2025
6.777		1216	2242
6.862		844	841
6.922		3082	5310
7.08		3144	3289
7.134		1676	2981
7.457		778	1229
7.777		9848	15018
7.919		706	378
7.988		677	329
8.027		1359	3760
8.477		579	899

LANCASTER LABORATORIES

Sample Number: 9001118MSDACF DF5 AC51A12MSD MSD 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:06:58 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.075.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.05		8498	7415
2.068		8882	6748
2.112		21981	31523
2.156		21655	19677
2.188		7159	5780
2.214		4069	2342
2.231		13554	16693
2.281		10008	6134
2.297		4661	1722
2.363		249344	177318
2.393		4367	2252
2.412		6879	4968
2.434		6711	6556
2.476		7700	11742
2.545		41219	31169
2.569		2523	1651
2.614	TCX	4007734	2310952
2.657		97727	70431
2.679		6032	3275
2.703		7334	6597
2.73		6965	5232
2.784		228354	137676
2.81		6195	3717
2.845		241498	143576
2.876		23628	12173
2.897		994683	524308
2.921		2030787	1136627
2.969		5137	2514
3.008		145974	98500
3.034		8540	6049
3.07		1905	2199
3.103		1398097	1342342
3.155		176724	103828
3.176		80912	45741
3.201		128822	70105
3.225		1388284	913912
3.262		64796	38735
3.308		368548	193842
3.323		256161	124427
3.352		4408	2038
3.373		723625	356879
3.383		1547958	671303
3.403		74000	27330
3.416		1306096	885848
3.49		1591760	965203
3.525		1424012	868789
3.548		1239309	695248
3.566		444778	229147
3.652		1492242	991182
3.674		523459	288066
3.695		545541	317674
3.724		325377	168138
3.741		1254866	750238
3.782		438712	323293

RT B	Compound B	Height B	Area B
3.829		87267	89314
3.851		535489	316420
3.874		3649504	2348447
3.898		862449	510493
3.918		283219	151525
3.937		667581	416115
3.972		4510899	2992892
4.004		1619806	1050839
4.022		500121	238078
4.083		235629	183641
4.117		1318452	962531
4.174		2500178	1810693
4.207		1014950	921167
4.234		5726966	5614632
4.274		1364701	1396634
4.326		8650696	6687982
4.363		525978	424772
4.395		4161885	2809810
4.42		1920899	1335141
4.462		10642510	8566411
4.516		16489	14048
4.565		8068276	7628933
4.615		3739730	3173214
4.656		2502607	2073518
4.693		13352260	10778800
4.726		4265473	2821569
4.763		3480838	2606938
4.837		104865	119364
4.864		824899	556141
4.879		252457	138386
4.914		5497100	4349244
4.938		1948313	1318109
4.988		3086635	2746524
5.024		1637251	1295354
5.053		1248744	948062
5.086		900690	567156
5.109		14720940	11912280
5.15		297394	214881
5.182		458141	379808
5.225		6891	4236
5.247		14025	8825
5.281		4476	2967
5.3		151232	91951
5.324		2613853	2171708
5.368		9155795	9753427
5.466		6007	8449
5.524		176337	150543
5.569		291372	224697
5.593		111147	76467
5.614		12524	5704
5.642		1585040	1302618
5.677		6475	7327
5.721		20411	12267
5.748		3604935	2903862
5.779		209258	162028
5.948		789146	721279
6.106	DCB	2789466	2445985
6.142		21501	16182
6.233		4490	4366
6.282		6495	4280
6.308		5886	4744
6.343		4975	3297
6.372		13663	12283
6.472		3915	4439
6.527		19033	17514
6.584		13687	12142

RT B	Compound B	Height B	Area B
6.733		1974	1631
6.881		1532	650
7.011		55482	58252
7.119		4445	6934
7.428		2281	3602
7.55		3688	4085
7.607		1893	3089
7.713		3018	4567
7.837		2844	5100
8.111		7431	12033
8.216		18924	33188
8.425		4694	9344

9001118MSDACF DF5 AC51A12MSD MSD 171430031A 10225 SW-846

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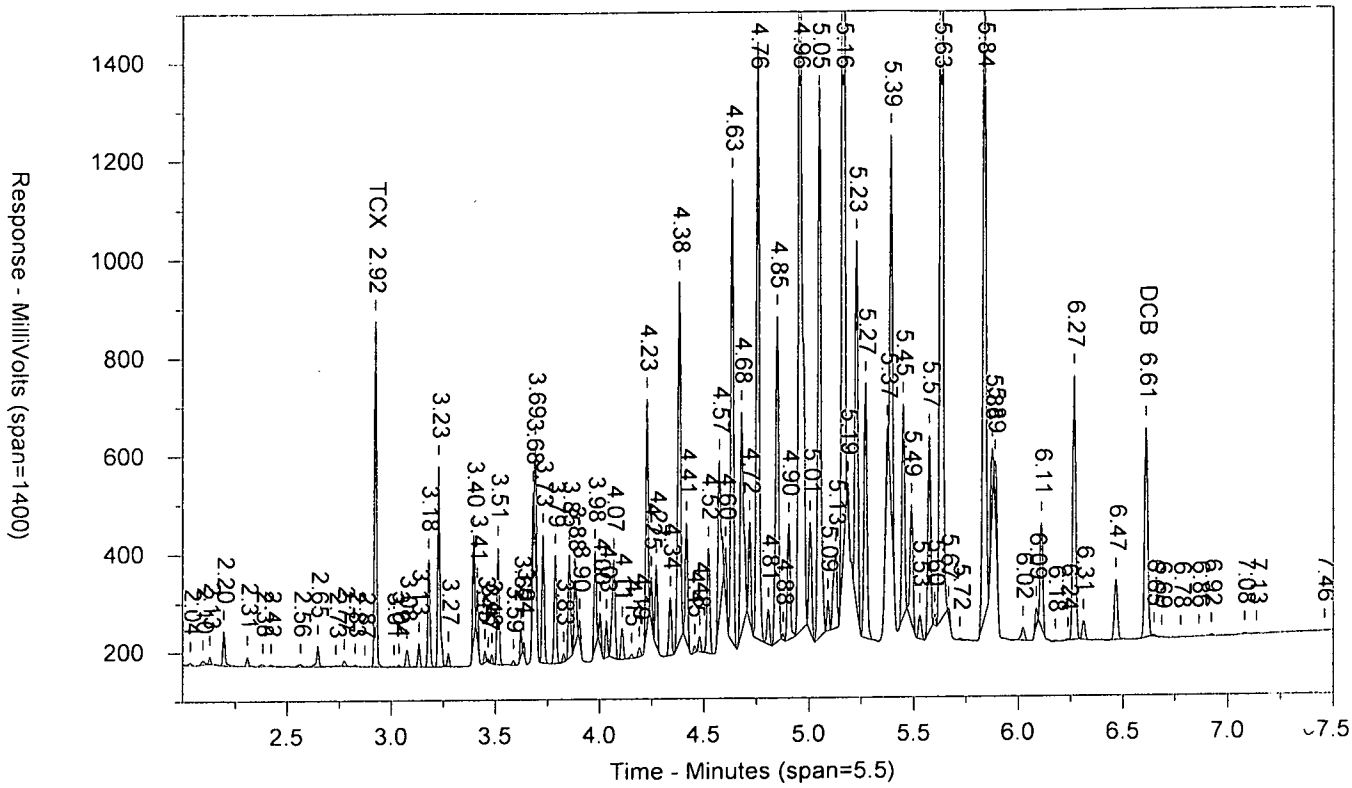

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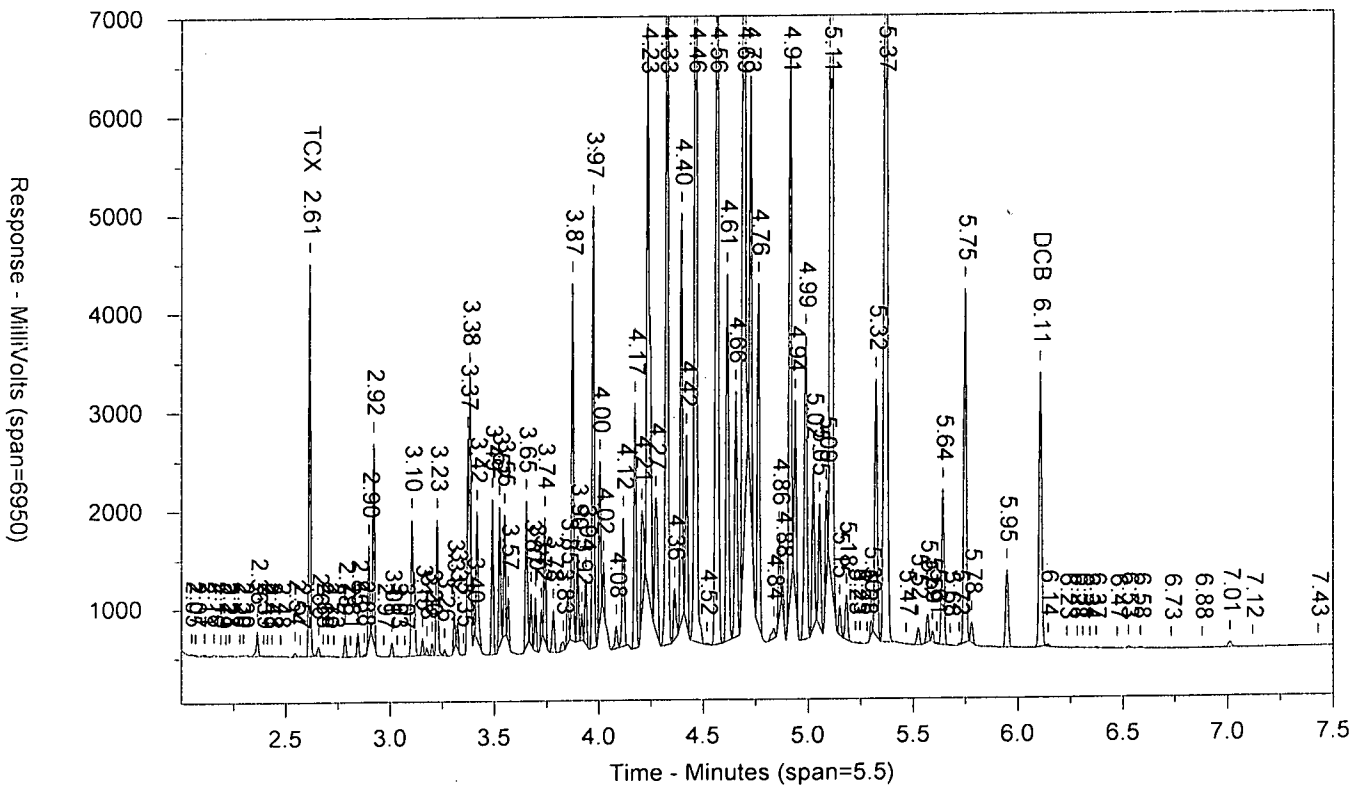

LANCASTER LABORATORIES

Sample Number: 9001118MSDACF DF5 AC51A12MSD MSD 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 10:06:58 AM Sample Weight: 10.3
Instrument ID: CP20-17342 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	707724	30.232	TCX	2.614	4007734	28.142	TCX
6.611	429963	30.33	DCB	6.106	2789466	27.795	DCB

Files:
Area File: 20pcbs17137007.075.RAW
Area File: 20pcbs17137007B.075.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 10:15:41 AM
File Reported On: 5/25/2017 at 10:15:54 AM

9001118MSDACF DF5 AC51A12MSD MSD 171430031A 10225 SW-846

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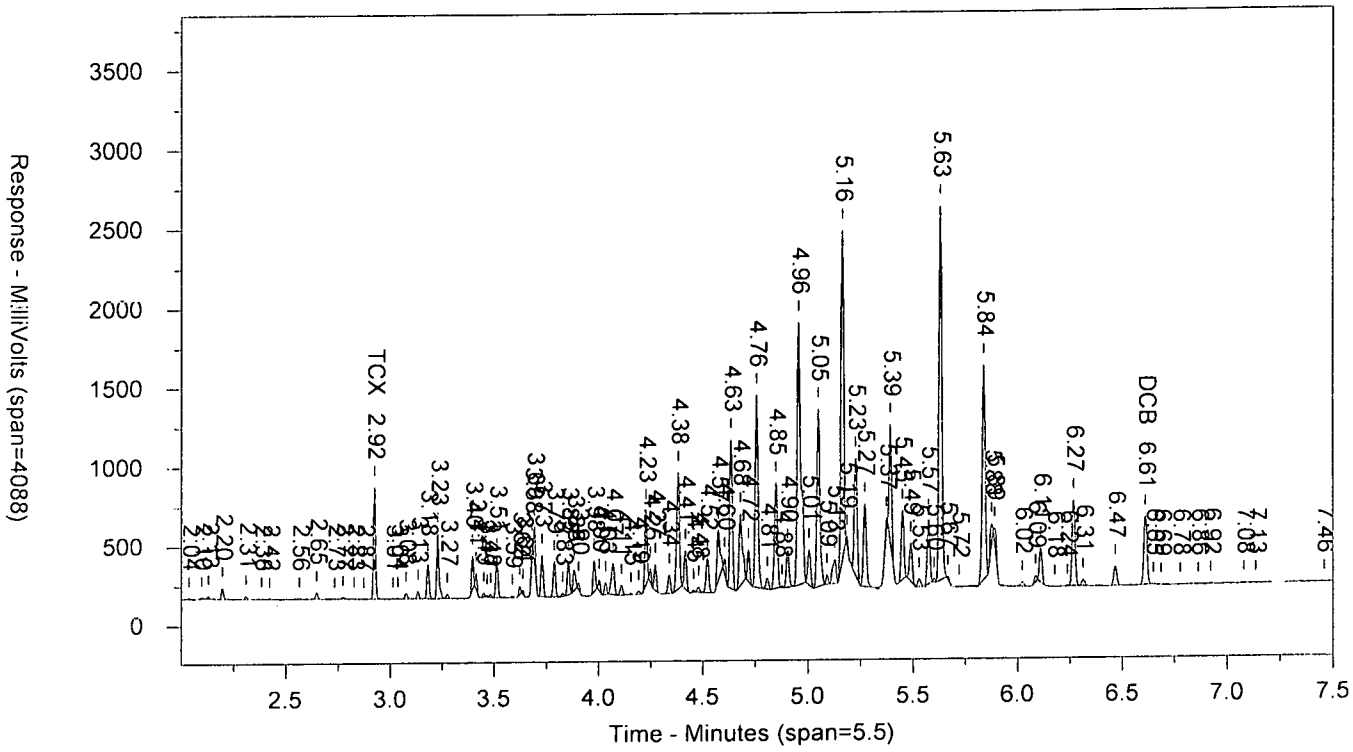

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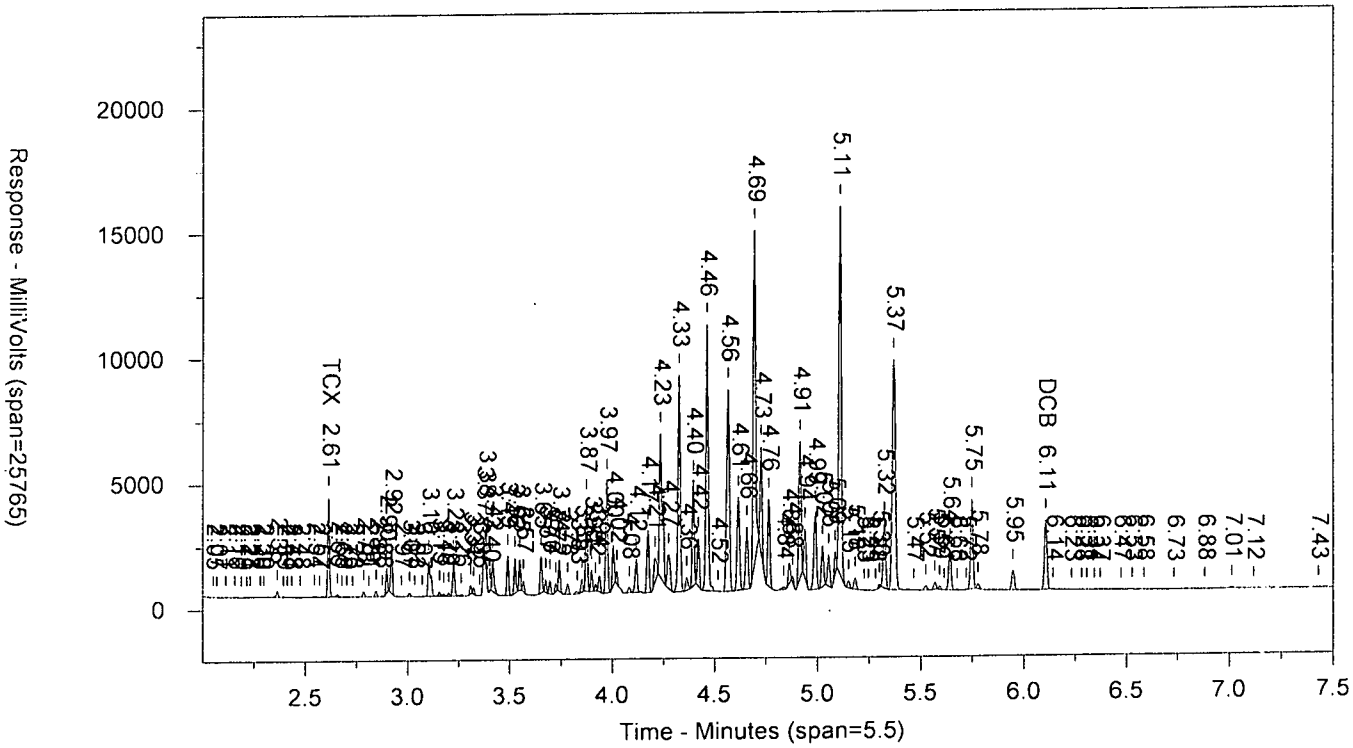

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Data Summary

Sample Name: LCSA 5/24/17 ACF LCS31143 LCS Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 07:27:08
Instrument	17342A
Result file	20PCBS17137007.061.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 112% (61 - 152) Conc: 32.78648
%SSR(DCB) 105% (48 - 164) Conc: 30.74752

Analysis Report (B)

Injected on	May 25, 2017 07:27:08
Instrument	17342B
Result file	20PCBS17137007B.061.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 115% (61 - 152) Conc: 33.6743
%SSR(DCB) 107% (48 - 164) Conc: 31.34217

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3725872	32.78648
Decachlorobiphenyl	6.58	6.61	6.64	2115933	30.74752

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.61	2.65	23279340	33.6743
Decachlorobiphenyl	6.08	6.11	6.14	15269230	31.34217

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	33.6743				2.67	
☐ Decachlorobiphenyl	B	31.34217				1.92	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.29**	
3.16	3.18	3.20	1026041	500.050825			1
3.37	3.40	3.41	1046683	499.562199			2
3.49	3.51	3.53	1185580	502.608123			3
3.71	3.73	3.75	1311927	501.990605			4
3.76	3.79	3.80	1130689	528.952049			5
3.96	3.98	4.00	881134	514.08753			6
Height summation:			**6582054**				
Concentration		CF:	**507.875222**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.62**	
2.88	2.90	2.92	5635628	498.39194			1
3.21	3.23	3.25	7102314	505.427685			2
3.40	3.42	3.44	7535925	533.707052			3
3.47	3.49	3.51	8802341	527.143062			4
3.63	3.65	3.67	7143177	509.151351			5
3.72	3.74	3.76	6230440	518.257099			6
Height summation:			**42449825**				
Concentration		CF:	**515.346365**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**4.20**	
4.73	4.76	4.77	2123099	506.595735			1
5.03	5.05	5.07	1167564	504.207134			2
5.20	5.23	5.24	1378618	508.4498			3
5.37	5.39	5.41	1425724	460.843556			4
5.61	5.63	5.65	3925575	523.444778			5
5.82	5.84	5.86	2118591	502.877129			6
Height summation:			**12139171**				
Concentration		CF:	**501.069689**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.64**	
4.31	4.33	4.35	14977670	530.48849			1
4.44	4.46	4.48	17264170	518.52112			2
4.55	4.57	4.59	14547030	543.04112			3
4.90	4.91	4.94	10725360	520.866351			4
5.09	5.11	5.13	25779500	551.670897			5
5.35	5.37	5.39	12997080	415.770177			6
Height summation:			**96290810**				
Concentration		CF:	**513.393026**	L:			

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Data Summary

Sample Name: LCSA 5/24/17 ACF LCS31143 LCS Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 25, 2017 07:27:08
Instrument	17342A
Result file	20PCBS17137007.061.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

Analysis Report (B)

Injected on	May 25, 2017 07:27:08
Instrument	17342B
Result file	20PCBS17137007B.061.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	515.346365	51	9.9		1.46	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	513.393026	51	11.7		2.43	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	1028.739391	51	9.9				

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 25 2017

Verified by: Valerie L. Tomeyko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/24/17 ACF LCS31143 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 07:27:08
Instrument : CP20--17342A
Result file : 20PCBS17137007.061.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 112% (61-152) Conc.: 32.78648
%SSR(DCB) : 105% (48-164) Conc.: 30.74752

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.29	
3.16	3.18	3.20	1026041	500.050825			1
3.37	3.40	3.41	1046683	499.562199			2
+ 3.37	3.41	3.41	466066.8	222.444958			2
3.49	3.51	3.53	1185580	502.608123			3
3.71	3.73	3.75	1311927	501.990605			4
3.76	3.79	3.80	1130689	528.952049			5
3.96	3.98	4.00	881134	514.08753			6
Height Summation:			6582054				
Amount Avg CF:			507.875222	Linear:			
Aroclor-1221					3	34.02	
3.06	3.08	3.10	186726.6	189.971592			1
E 3.11	3.13	3.15	218108.6	256.675317			2
E 3.16	3.18	3.20	1026041	373.764674			3
Height Summation:			1430876.2				
Amount Avg CF:			273.470528	Linear:			
Aroclor-1232					6	29.85	
E 3.16	3.18	3.20	1026041	416.678627			1
E 3.38	3.40	3.42	1046683	1056.3513			2
E+ 3.38	3.41	3.42	466066.8	470.371899			2
E 3.49	3.51	3.53	1185580	1090.48593			3
E 3.71	3.73	3.75	1311927	1112.371162			4
E 3.77	3.79	3.81	1130689	1222.854165			5
E 3.96	3.98	4.00	881134	1232.776401			6
Height Summation:			6582054				
Amount Avg CF:			1021.919598	Linear:			
Aroclor-1242					6	5.17	
E 3.16	3.18	3.20	1026041	583.707475			1
E 3.38	3.40	3.42	1046683	603.002676			2
E+ 3.38	3.41	3.42	466066.8	268.504913			2
E 3.49	3.51	3.53	1185580	623.767872			3
E 3.71	3.73	3.75	1311927	613.577562			4
E 3.77	3.79	3.81	1130689	675.413215			5
E 3.96	3.98	4.00	881134	643.84965			6
Height Summation:			6582054				
Amount Avg CF:			623.886408	Linear:			
Aroclor-1248					6	52.09	
E 3.76	3.79	3.80	1130689	974.249005			1
3.83	3.85	3.87	751468.7	356.042422			2
3.96	3.98	4.00	881134	354.488943			3
4.05	4.07	4.09	885077.6	428.339136			4
4.23	4.23	4.27	946487.3	386.67375			5
+ 4.23	4.25	4.27	224702.6	91.79901			5
4.61	4.63	4.65	618547.1	344.719911			6
Height Summation:			5213403.7				
Amount Avg CF:			474.085528	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 07:27:08
Instrument : CP20--17342B
Result file : 20PCBS17137007B.061.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 115% (61-152) Conc.: 33.6743
%SSR(DCB) : 107% (48-164) Conc.: 31.34217

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.62	
2.88	2.90	2.92	5635628	498.39194			1
3.21	3.23	3.25	7102314	505.427685			2
+ 3.40	3.40	3.44	290913.7	20.603004			3
3.40	3.42	3.44	7535925	533.707052			3
3.47	3.49	3.51	8802341	527.143062			4
3.63	3.65	3.67	7143177	509.151351			5
+ 3.72	3.72	3.76	1704627	141.793363			6
3.72	3.74	3.76	6230440	518.257099			6
Height Summation:			42449825				
Amount Avg CF:			515.346365	Linear:			
Aroclor-1221					3	29.66	
2.77	2.78	2.81	1184011	198.40835			1
E 2.83	2.85	2.87	1148168	312.116192			2
E 2.88	2.90	2.92	5635628	369.299589			3
Height Summation:			7967807				
Amount Avg CF:			293.27471	Linear:			
Aroclor-1232					6	31.36	
E 2.88	2.90	2.92	5635628	407.945884			1
E 3.21	3.23	3.25	7102314	1063.748561			2
+ 3.40	3.40	3.44	290913.7	48.701894			3
E 3.40	3.42	3.44	7535925	1261.590025			3
E 3.47	3.49	3.51	8802341	1199.438374			4
E 3.66	3.67	3.70	2636538	1315.521226			5
E+ 3.66	3.70	3.70	2515445	1255.100928			5
E 3.73	3.74	3.77	6230440	1185.740545			6
Height Summation:			37943186				
Amount Avg CF:			1072.330769	Linear:			
Aroclor-1242					6	5.72	
E 2.88	2.90	2.92	5635628	579.638494			1
E 3.21	3.23	3.25	7102314	611.662059			2
+ 3.40	3.40	3.44	290913.7	25.477334			3
E 3.40	3.42	3.44	7535925	659.973307			3
E 3.47	3.49	3.51	8802341	674.490024			4
E 3.64	3.65	3.68	7143177	664.792024			5
E+ 3.64	3.67	3.68	2636538	245.373933			5
E 3.73	3.74	3.77	6230440	647.348371			6
Height Summation:			42449825				
Amount Avg CF:			639.650713	Linear:			
Aroclor-1248					6	77.00	
+ 3.40	3.40	3.44	290913.7	52.238789			1
E 3.40	3.42	3.44	7535925	1353.210911			1
3.51	3.53	3.55	5710682	363.583735			2
3.63	3.65	3.67	7143177	364.013971			3
+ 3.72	3.72	3.76	1704627	120.303932			4
3.72	3.74	3.76	6230440	439.712871			4
3.86	3.87	3.90	8139606	303.286559			5
+ 4.22	4.22	4.26	1529598	128.904607			6
+ 4.22	4.24	4.26	1525067	128.522764			6
4.22	4.25	4.26	4092225	344.866204			6
Height Summation:			38852055				
Amount Avg CF:			528.112375	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/24/17 ACF LCS31143 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 25, 2017 07:27:08
Instrument : CP20--17342A
Result file : 20PCBS17137007.061.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	109.30	
4.21	4.23	4.25	946487.3	327.957748			1
+ 4.55	4.57	4.59	97689.15	33.681811			2
4.55	4.59	4.59	199767.1	68.876816			2
4.61	4.63	4.65	618547.1	105.593422			3
E 4.73	4.76	4.77	2123099	1207.496861			4
4.83	4.85	4.87	326827.2	84.427818			5
5.14	5.16	5.18	2944458	740.466544			6
Height Summation:			**7159185.7**				
Amount Avg CF:			**422.469868**	Linear:			
Aroclor-1260					6	4.20	
4.73	4.76	4.77	2123099	506.595735			1
5.03	5.05	5.07	1167564	504.207134			2
5.20	5.23	5.24	1378618	508.4498			3
+ 5.37	5.37	5.41	106112.2	34.299152			4
5.37	5.39	5.41	1425724	460.843556			4
5.61	5.63	5.65	3925575	523.444778			5
5.82	5.84	5.86	2118591	502.877129			6
Height Summation:			**12139171**				
Amount Avg CF:			**501.069688**	Linear:			
Aroclor-1262					6	40.59	
E 5.21	5.23	5.24	1378618	276.154886			1
+ 5.37	5.37	5.41	106112.2	26.311127			2
E 5.37	5.39	5.41	1425724	353.516426			2
E 5.61	5.63	5.65	3925575	402.721402			3
E 5.81	5.84	5.85	2118591	393.27903			4
+ 5.87	5.88	5.91	60486.06	22.665581			5
5.87	5.89	5.91	223342.8	83.691917			5
E 6.25	6.27	6.29	828840.4	255.293436			6
Height Summation:			**9900691.2**				
Amount Avg CF:			**294.109516**	Linear:			
Aroclor-1268					6	120.68	
5.81	5.84	5.85	2118591	176.859928			1
+ 5.87	5.88	5.91	60486.06	5.787153			2
5.87	5.89	5.91	223342.8	21.368875			2
6.00	6.02	6.04	71955.26	7.383139			3
6.07	6.09	6.11	75547.87	33.812039			4
E 6.25	6.27	6.29	828840.4	205.895849			5
6.45	6.47	6.49	210187.1	6.672027			6
Height Summation:			**3528464.43**				
Amount Avg CF:			**75.331976**	Linear:			

Analysis Report (B)

Injected on : May 25, 2017 07:27:08
Instrument : CP20--17342B
Result file : 20PCBS17137007B.061.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	123.82	
4.16	4.17	4.19	1752672	83.836994			1
+ 4.22	4.22	4.26	1529598	41.235633			2
+ 4.22	4.24	4.26	1525067	41.113484			2
4.22	4.25	4.26	4092225	110.320154			2
4.31	4.33	4.35	14977670	867.984563			3
4.38	4.40	4.42	1490085	59.756583			4
E 4.44	4.46	4.48	17264170	1202.256396			5
4.60	4.62	4.64	1759183	100.558624			6
Height Summation:			**41336005**				
Amount Avg CF:			**404.118886**	Linear:			
Aroclor-1260					6	9.64	
4.31	4.33	4.35	14977670	530.48849			1
4.44	4.46	4.48	17264170	518.52112			2
4.55	4.57	4.59	14547030	543.04112			3
4.90	4.91	4.94	10725360	520.866351			4
5.09	5.11	5.13	25779500	551.670897			5
5.35	5.37	5.39	12997080	415.770177			6
Height Summation:			**96290810**				
Amount Avg CF:			**513.393026**	Linear:			
Aroclor-1262					6	26.40	
E 4.71	4.73	4.75	8104196	250.033273			1
E 4.90	4.91	4.94	10725360	332.649539			2
E 5.09	5.11	5.13	25779500	420.356617			3
5.31	5.32	5.35	4843505	190.595825			4
E 5.35	5.37	5.39	12997080	317.746568			5
E 5.73	5.75	5.77	6099670	275.543812			6
Height Summation:			**68549311**				
Amount Avg CF:			**297.820939**	Linear:			
Aroclor-1268					6	110.67	
5.31	5.32	5.35	4843505	58.522247			1
5.35	5.37	5.39	12997080	155.106457			2
5.51	5.53	5.55	515256.8	7.157433			3
5.57	5.59	5.61	489048.1	28.097737			4
E 5.73	5.75	5.77	6099670	216.256327			5
5.93	5.95	5.97	1545638	7.210258			6
Height Summation:			**26490197.9**				
Amount Avg CF:			**78.725077**	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		1.46	4	40	
Aroclor-1221			51	15.3	E	6.99	3	5	
Aroclor-1232			51	12.3	E	4.81	4	10	
Aroclor-1242			51	12.3	E	2.50	4	30	
Aroclor-1248			51	9.9	E	10.78	4	40	
Aroclor-1254			51	13.2	E	4.44	4	40	
Aroclor-1260			51	11.7		2.43	4	40	
Aroclor-1262			51	9.9	E	1.25	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/24/17 ACF LCS31143 Sample ID: AB **Batchnumber: 171430031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	: May 25, 2017 07:27:08
Instrument	: CP20--17342A
Result file	: 20PCBS17137007.061.RAW
Calibration file	: 20PCBS1713701.CAL
Method file	: 20PCBS.MET

Analysis Report (B)

Injected on	: May 25, 2017 07:27:08
Instrument	: CP20--17342B
Result file	: 20PCBS17137007B.061.RAW
Calibration file	: 20PCBS1713701B.CAL
Method file	: 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			51	9.9	E	4.40	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 5/24/17 ACF ABLCS31143 LCS 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 7:27:08 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 20pcbs17137007.061.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		2172	1854
2.103		10541	13294
2.13		169032	110073
2.2		10735	5791
2.217		12186	7510
2.31		34424	21689
2.329		4882	2483
2.388		106380	70488
2.502		957	780
2.536		988	608
2.565		13939	9244
2.616		1451	938
2.652		1947	1623
2.698		1692	1110
2.732		6404	6319
2.802		893	465
2.828		1615	855
2.844		2140	1302
2.872		2615	1996
2.923	TCX	3725873	2500446
3.077		186727	165221
3.107		3152	1585
3.134		218109	156534
3.182		1026041	723073
3.234		3277	2156
3.254		3237	1454
3.275		137281	93844
3.314		3691	2400
3.336		1200	751
3.396		1046683	619091
3.413		466067	244098
3.45		118425	68266
3.466		38114	16831
3.482		94109	55282
3.512		1185580	858736
3.547		5879	3138
3.562		3977	1809
3.587		67808	47751
3.623		231156	132637
3.636		105652	49968
3.656		7514	2995
3.682		450716	269823
3.692		1291364	642897
3.728		1311927	997062
3.788		1130689	854868
3.828		89138	62995
3.855		751469	553311
3.882		590638	472690
3.904		156422	85973
3.978		881134	631005
4.003		286661	188077
4.033		326442	236477
4.069		885078	908537
4.109		274523	221104

RT A	Compound A	Height A	Area A
4.154		44969	34406
4.193		45856	39075
4.227		946487	695186
4.248		224703	129268
4.271		250520	180558
4.338		136652	120682
4.382		977146	900434
4.415		28768	19087
4.478		12884	10543
4.518		156173	159800
4.574		97689	63153
4.588		199767	130485
4.635		618547	553396
4.68		932771	1007004
4.717		211905	154323
4.756		2123099	1940176
4.8		23869	22948
4.847		326827	359519
4.878		31567	21577
4.904		355430	317198
4.956		2558742	3079637
5.006		434803	387799
5.049		1167564	1272730
5.092		20792	12577
5.129		221642	267829
5.165		2944458	3231718
5.227		1378618	1226808
5.27		853076	812736
5.37		106112	106867
5.392		1425724	1246763
5.45		738159	675815
5.491		375419	337172
5.53		97322	95651
5.576		555615	522331
5.632		3925575	3948057
5.72		4112	4335
5.838		2118591	2155885
5.878		60486	111960
5.89		223343	188940
6.023		71955	72187
6.087		75548	55027
6.11		313140	289473
6.189		8302	25877
6.267		828840	819799
6.312		56568	54414
6.466		210187	230378
6.611	DCB	2115933	2209289
7.178		518	1086
7.213		648	522
8.087		1047	478
8.531		529	2307
8.682		1877	2230

LANCASTER LABORATORIES

Sample Number: LCSA 5/24/17 ACF ABLCS31143 LCS 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 7:27:08 AM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137007B.061.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		19246	14917
2.053		41424	26564
2.114		808206	473538
2.141		3900	1300
2.156		10591	6625
2.183		13005	8196
2.2		7155	3556
2.236		13619	15640
2.266		3567	2314
2.282		3253	1427
2.299		62213	41569
2.336		4994	2686
2.352		5039	2051
2.369		4728	2730
2.393		9913	9822
2.433		43827	26194
2.46		2819	1760
2.477		4098	2588
2.515		2383	1251
2.569		17802	12351
2.589		18783	10328
2.614	TCX	23279340	13467330
2.657		449617	338033
2.69		3258	1256
2.734		33696	19829
2.763		3707	2141
2.785		1184011	799728
2.845		1148168	721986
2.897		5635629	3417910
2.947		28139	19182
2.972		3365	1388
3.008		725426	459636
3.058		2122	983
3.083		3804	1704
3.104		7066465	6802730
3.155		863397	540922
3.176		459616	273291
3.201		606165	333034
3.225		7102314	4747360
3.262		329552	187302
3.308		1887526	948228
3.323		1160971	544544
3.351		14291	6632
3.373		4187815	1940925
3.383		8940896	3882797
3.403		290914	114041
3.417		7535925	4998476
3.491		8802341	5300484
3.525		5710682	3482901
3.549		6440419	3511474
3.567		1917515	974799
3.652		7143177	4663244
3.675		2636538	1394186
3.696		2515445	1479614

RT B	Compound B	Height B	Area B
3.725		1704627	871696
3.741		6230440	3573602
3.782		2014810	1506993
3.83		402048	350479
3.852		1584786	953683
3.874		8139606	5215938
3.899		1676950	1020189
3.919		262763	126118
3.937		892127	545887
3.973		6555676	4421888
4.007		344313	211824
4.022		546100	335031
4.069		19307	11210
4.084		59106	37044
4.109		715843	851797
4.15		44339	23684
4.174		1752673	1263562
4.217		1529598	902346
4.235		1525067	757747
4.248		4092225	2236216
4.274		2566199	2616542
4.326		14977670	10960730
4.372		228462	233353
4.396		1490085	988108
4.42		3253052	2245080
4.463		17264170	13152270
4.566		14547030	13295920
4.619		1759183	1479416
4.657		3776484	3154932
4.694		17923780	14742550
4.726		8104196	5666978
4.765		6021094	4602230
4.839		246513	184596
4.864		1928836	1919835
4.915		10725360	8448069
4.939		1460308	936960
4.989		5669893	4914506
5.025		2925935	2217175
5.054		2107565	1743985
5.087		875021	522336
5.109		25779500	20963550
5.15		509410	387881
5.182		1036756	871662
5.222		9851	6414
5.301		267014	175410
5.325		4843505	3987519
5.369		12997080	14693090
5.468		7914	12384
5.525		515257	458772
5.569		424096	313572
5.593		489048	363891
5.642		2827044	2359682
5.749		6099670	4993380
5.779		343306	255577
5.948		1545638	1376327
6.025		3147	2004
6.106	DCB	15269230	13346130
6.873		2913	3816
7.011		2341	3236
7.239		2066	1967
7.299		3299	4168
7.464		4084	6817
7.533		1657	2353
7.596		3029	7337
7.838		2059	2448
7.916		1972	2955

RT B	Compound B	Height B	Area B
8.024		1327	535
8.212		20793	34570
8.361		2196	4343

LCSA 5/24/17 ACF ABLCS31143 LCS 171430031A 10225 SW-846 8082

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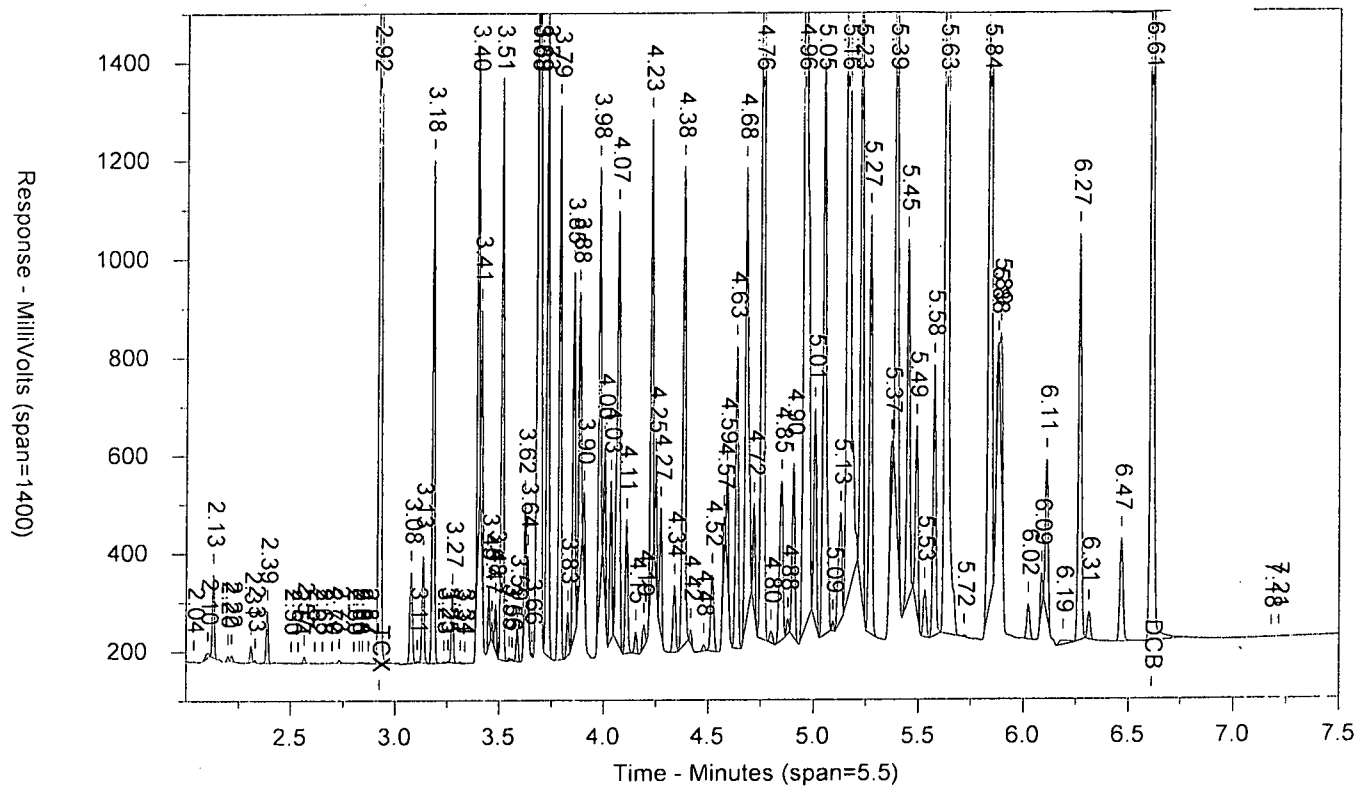

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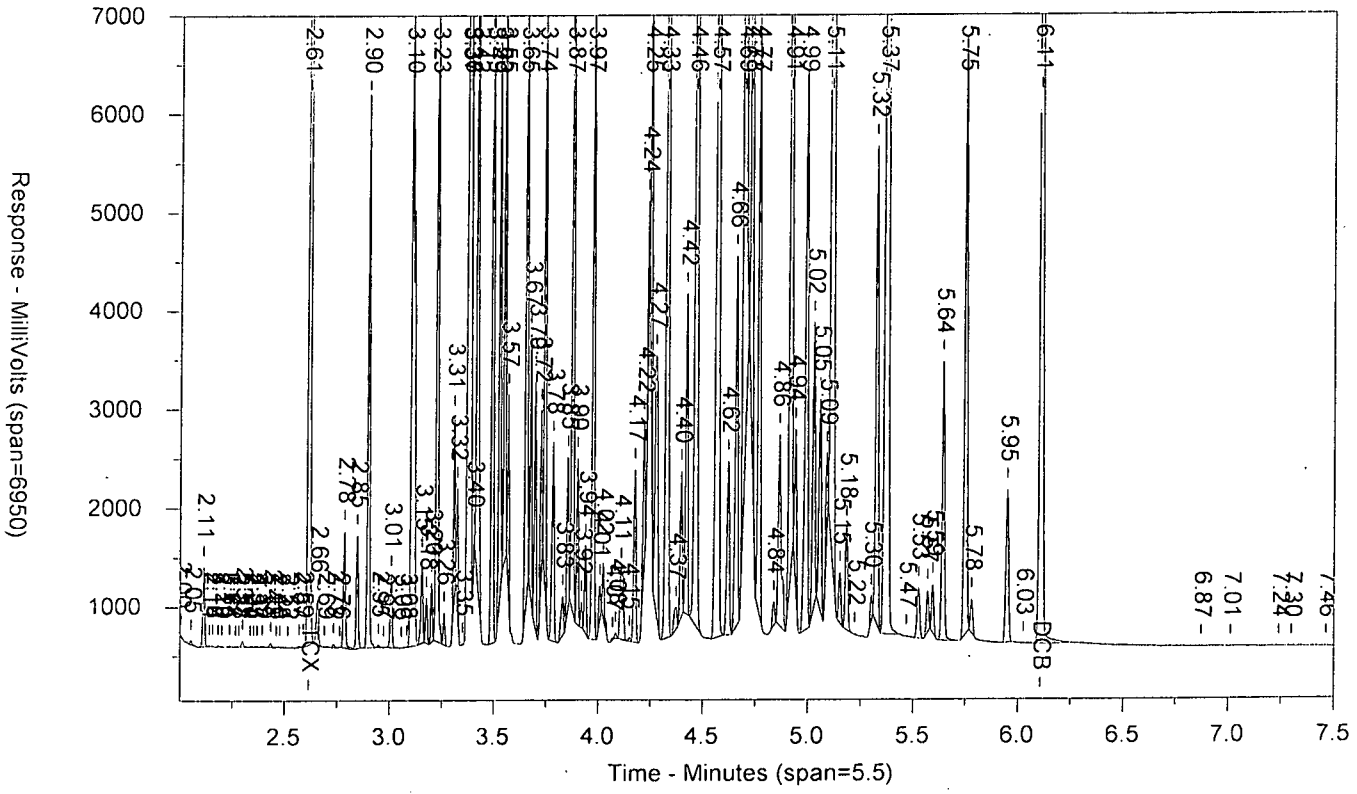

LANCASTER LABORATORIES

Sample Number: LCSA 5/24/17 ACF ABLCS31143 LCS 171430031A 10225 SW-846 8082
Injected On: 5/25/2017 7:27:08 AM Sample Weight: 10
Instrument ID: CP20-17342 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.923	3725873	32.786	TCX	2.614	23279340	33.674	TCX
6.611	2115933	30.748	DCB	6.106	15269230	31.342	DCB

Files:
Area File: 20pcbs17137007.061.RAW
Area File: 20pcbs17137007B.061.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/25/2017 7:35:51 AM
File Reported On: 5/25/2017 at 7:36:00 AM

LCSA 5/24/17 ACF ABLCS31143 LCS 171430031A 10225 SW-846 8082

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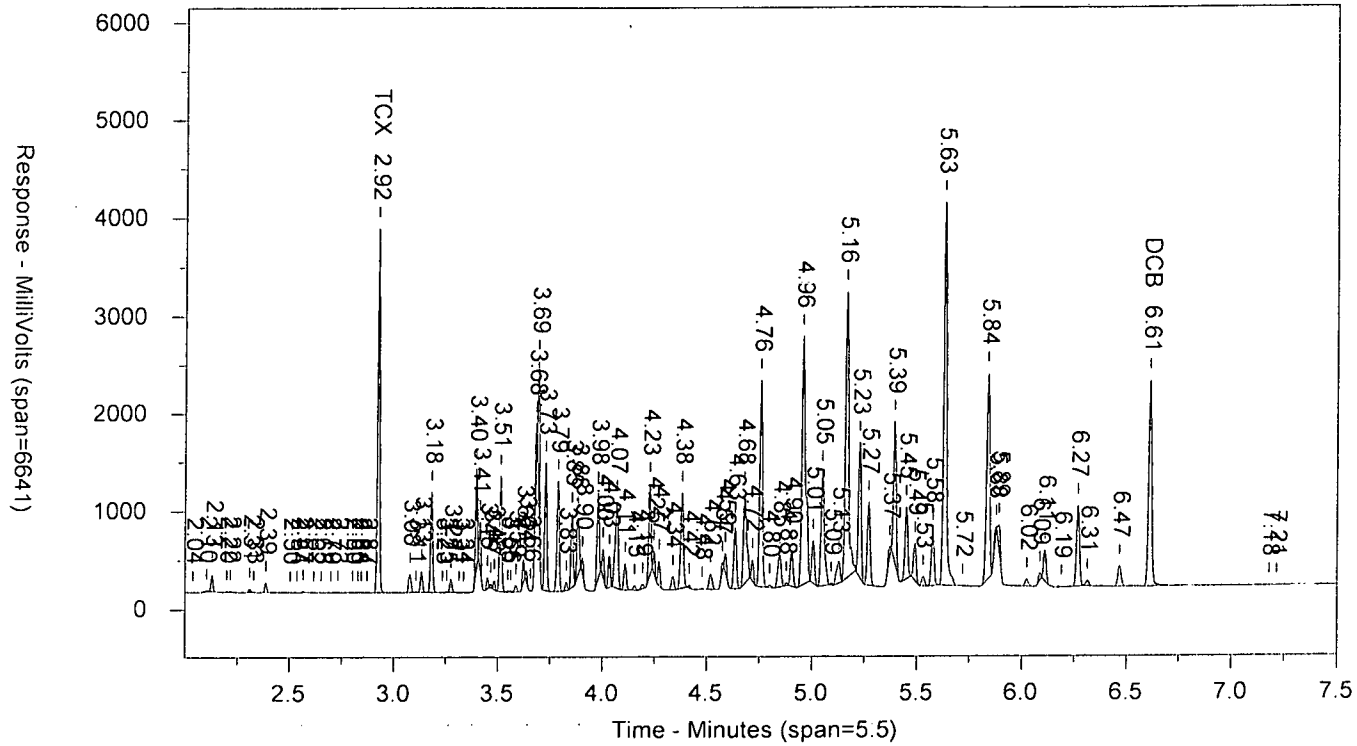

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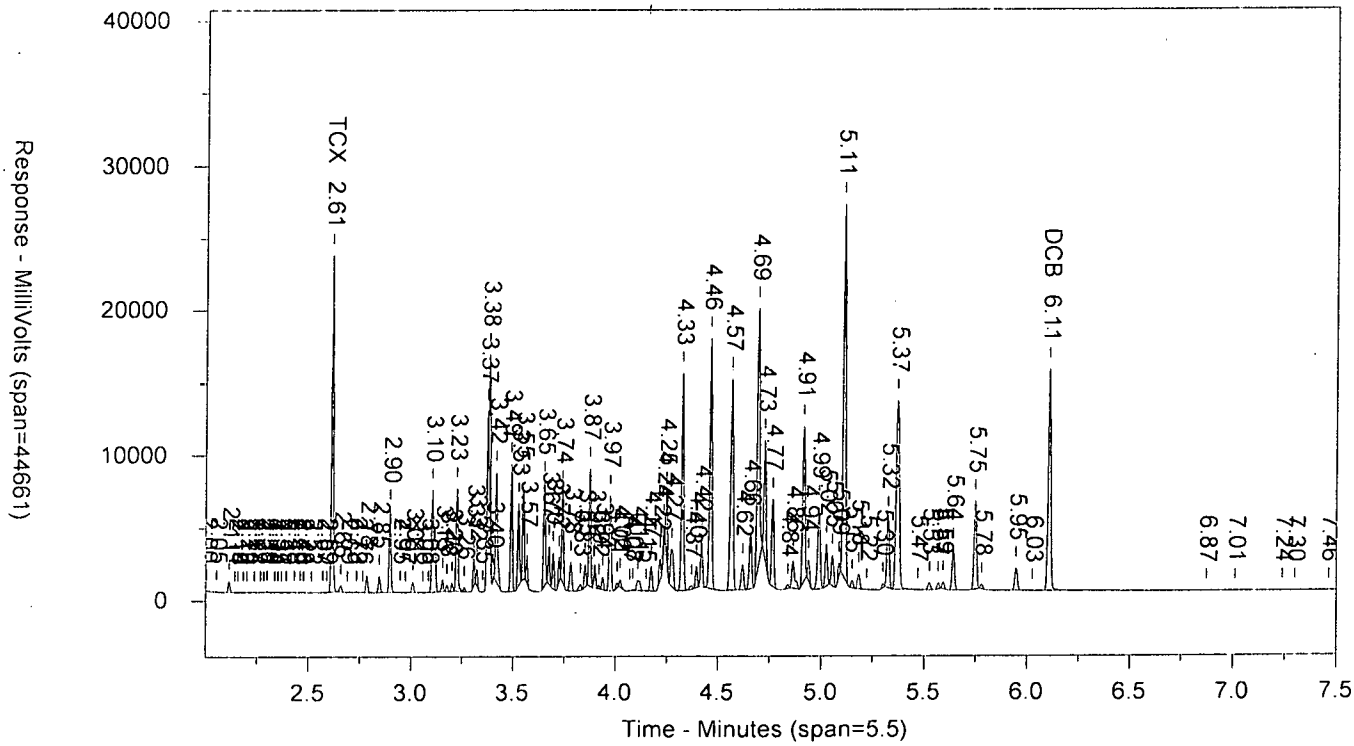

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog

171420036A

Assigned to: 8993 Michelle Newswanger

Reviewed by: JLM 285 Start Date: 5-23-17 Start time: 9:00

Tech 1: MN8993 Tech 2:

Dept: 24	Prep Analysis: 14248 PCB 10g Sonication Ext										PCBs in Solids by 8082/3550
QC	Sample Code	Amt (G)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
9001100MS	A4913	10.40	SS1713724A	1	MS1712124B	1	10	Z	Z	314A	
9001101MSD	A4913	10.17	SS1713724A	1	MS1712124B	1	10	Z	Z	314A	
BLANKA	PBLK36142	10.0	SS1713724A	1	—	—	10	Z	Z		Na_2SO_4
LCSA	LCS36142	10.0	SS1713724A	1	MS1712124B	1	10	Z	Z		↓

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185042717A
Filter Paper	97602804
Hexane	172893
Sodium Sulfate	171397A

Spike Solutions: Witness: MA

MS1712124B PCB SPIKE

SS1713724A SW846 SURROGATE STANDARI

Sample #	Sample Code	Amt (G)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1 9001087	A4901	10.29	SS1713724A	1	10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
2 9001088	A4902	10.23	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
3 9001089	A4903	10.19	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
4 9001090	A4904	10.38	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
5 9001091	A4905	10.20	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/31/2017	N
6 9001092	A4906	10.03	SS1713724A		10	Z	Z	314A	Soil;Gritty;Sandy;Grey	10225	1869	05/31/2017	N
7 9001093	A4907	10.18	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
8 9001094	A4908	10.10	SS1713724A		10	Z	Z	314a	Soil;Grey	10225	1869	05/31/2017	N
9 9001095	A4909	10.07	SS1713724A		10	Z	Z	314A	Soil;Gritty;Sandy;Grey	10225	1869	05/31/2017	N
10 9001096	A4910	10.15	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/31/2017	N
11 9001097	A4911	10.35	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
12 9001098	A4912	10.24	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
13 9001099BKG	A4913	10.27	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
14 9001102	A4914	10.23	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/31/2017	N
15 9001103	A4915	10.21	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/31/2017	N
16 9001104	A4916	10.26	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
17 9001105	A4917	10.09	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/31/2017	N
18 9001106	A4918	10.32	SS1713724A		10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	05/31/2017	N
19 9001107	51A01	10.12	SS1713724A	↓	10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood 321	Micro Temp 100?
Internal Standard		Balance #		

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	98 C	S-bath ID	C	N-Evap	C	M-vap	C

#6

171420036A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Sample #	Sample Code	Amt A	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
20 9001108	51A02	10.43	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N

MN8993
5-23-17
N/A

Bench#	Bench#	Bench#		
Rack ID:		Work Station		Micro Temp 100?
Internal Standard		Balance #		

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	C	S-bath ID	C	N-Evap	C	M-vap	C

171420036A

DF = Dilution Factor FV = Final Volume

Page 2 of 2

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 171420036A

Verified: JLR 2855
Start Date: 5-23-17
Start Time: 15:00
Tech 1: MW8993
Tech 2:

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001087		10	10				10225
2	9001088							10225
3	9001089							10225
4	9001090							10225
5	9001091							10225
6	9001092							10225
7	9001093							10225
8	9001094							10225
9	9001095							10225
10	9001096							10225
11	9001097							10225
12	9001098							10225
13	9001099							10225
14	9001100	MS						10225
15	9001101	MSD						10225
16	9001102							10225
17	9001103							10225
18	9001104							10225
19	9001105							10225
20	9001106							10225
21	9001107							10225
22	9001108							10225
23	BLANKA							
24	LCSA							

2855
24 may 17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Hx SOL	1660942

Prep-Process Worksheet

Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch: 171420036A

Verified: JLM 2855
Start Date: 5-23-17
Start Time: 15:30
Tech 1: MW 7993
Tech 2:

	Sample #	QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001087		2	2				10225
2	9001088							10225
3	9001089							10225
4	9001090							10225
5	9001091							10225
6	9001092							10225
7	9001093							10225
8	9001094							10225
9	9001095							10225
10	9001096							10225
11	9001097							10225
12	9001098							10225
13	9001099							10225
14	9001100	MS						10225
15	9001101	MSD						10225
16	9001102							10225
17	9001103							10225
18	9001104							10225
19	9001105							10225
20	9001106							10225
21	9001107							10225
22	9001108							10225
23	BLANKA							
24	LCSA							

2855 24May17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	414011CE

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: 171420036A

Verified: JM 2855
Start Date: 5-23-17
Start Time: 16:00
Tech 1: MN8993
Tech 2:

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001087		2	2				10225
2	9001088							10225
3	9001089							10225
4	9001090							10225
5	9001091							10225
6	9001092							10225
7	9001093							10225
8	9001094							10225
9	9001095							10225
10	9001096							10225
11	9001097							10225
12	9001098							10225
13	9001099							10225
14	9001100	MS						10225
15	9001101	MSD						10225
16	9001102							10225
17	9001103							10225
18	9001104							10225
19	9001105							10225
20	9001106							10225
21	9001107							10225
22	9001108							10225
23	BLANKA							
24	LCSA							

JM 2855 24 May 17

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Copper	16150108B

Organic Extraction Batchlog Assigned to: ③ BR 7963 5/23/17 ~~9874 Kayla Yuditsky~~ 8993 Michelle Newswanger Reviewed by: Kmt 9068 Start Date: 5-24-17 Start time: 9:00

171430031A

Tech 1: MU8993 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
9001118MSD	51A12MSD	10.30	SS1713724A	1	MS1712124B	1	10	Z	Z	314c	
9001118MS	51A12MS	10.35	SS1713724A	1	MS1712124B	1	10	Z	Z	314b	
BLANKA	PBLK31143	10.0	SS1713724A	1	—	—	10	Z	Z		NA2SO4
LCSA	LCS31143	10.0	SS1713724A	1	MS1712124B	1	10	Z	Z		↓

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185042717A
Filter Paper	9762804
Hexane	172823
Sodium Sulfate	17142A

Spike Solutions: Witness: N/A

MS1712124B PCB SPIKE

SS1713724A SW846 SURROGATE STANDARI

	Sample #	Sample Code	Amt (G)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1	9001109	51A03	10.22	SS1713724A	1	10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
2	9001110	51A04	10.25	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
3	9001111	51A05	10.19	SS1713724A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Grey	10225	1869	05/31/2017	N
4	9001112	51A06	10.12	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
5	9001113	51A07	10.04	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
6	9001114	51A08	10.09	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
7	9001115	51A09	10.04	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/31/2017	N
8	9001116	51A10	10.17	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/31/2017	N
9	9001117	51A11	10.03	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
10	9001118	51A12	10.22	SS1713724A		10	Z	Z	314a	Soil;Grey;Brown	10225	1869	05/31/2017	N
11	9001119	51A13	10.15	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
12	9001120	51A14	10.15	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
13	9001121	51A15	10.45	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	05/31/2017	N
14	9001122	51A16	10.05	SS1713724A		10	Z	Z	314A	Soil:Grey;Brown	10225	1869	05/31/2017	N
15	9001123	51A17	10.25	SS1713724A		10	Z	Z	314a	Soil;Grey	10225	1869	05/31/2017	N
16	9001124	51A18	10.42	SS1713724A		10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N
17	9001125	51A19	10.05	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/31/2017	N
18	9001126	51A20	10.35	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/31/2017	N
19	9001127	52A01	10.02	SS1713724A	↓	10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood 3	Micro Temp 100?
Internal Standard		Balance #		

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	98 C	S-bath ID	C	N-Evap	C	M-vap	C

#6

171430031A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Sample #	Sample Code	Amt G	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
20 9001128	52A02	10.36	SS1713724A	1	10	Z	Z	314A	Soil;Grey	10225	1869	05/31/2017	N

N/A

MN 8993
5-24-17

Bench#	Bench#	Bench#		
Rack ID:		Work Station		Micro Temp 100?
Internal Standard		Balance #		

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	C	S-bath ID	C	N-Evap	C	M-vap	C

171430031A

DF = Dilution Factor FV = Final Volume

Page 2 of 2

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 171430031A

Verified: KMT 9665
Start Date: 5-24-17
Start Time: 14:00
Tech 1: MN8993
Tech 2:

Sample #		QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001109		10	10				10225
2	9001110							10225
3	9001111							10225
4	9001112							10225
5	9001113							10225
6	9001114							10225
7	9001115							10225
8	9001116							10225
9	9001117							10225
10	9001118							10225
11	9001118	MS						10225
12	9001118	MSD						10225
13	9001119							10225
14	9001120							10225
15	9001121							10225
16	9001122							10225
17	9001123							10225
18	9001124							10225
19	9001125							10225
20	9001126							10225
21	9001127							10225
22	9001128							10225
23	BLANKA							
24	LCSA							

Kirby B. Turner
Associate Chemist

MAY 25 2017

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	1116 0942

Prep-Process Worksheet

Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch: 171430031A

Verified: KBT 9CJ
Start Date: 5-24-17
Start Time: 14:45
Tech 1: MN8993
Tech 2:

Sample #		QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001109		2	2				10225
2	9001110							10225
3	9001111							10225
4	9001112							10225
5	9001113							10225
6	9001114							10225
7	9001115							10225
8	9001116							10225
9	9001117							10225
10	9001118							10225
11	9001118	MS						10225
12	9001118	MSD						10225
13	9001119							10225
14	9001120							10225
15	9001121							10225
16	9001122							10225
17	9001123							10225
18	9001124							10225
19	9001125							10225
20	9001126							10225
21	9001127							10225
22	9001128							10225
23	BLANKA							
24	LCSA							

Kirby B. Turner
Associate Chemist

MAY 25 2017

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	414911E

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: 171430031A

Verified: MT 9068
Start Date: 5-24-17
Start Time: 15.00
Tech 1: MN8993
Tech 2:

Sample #		QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9001109		2	2				10225
2	9001110							10225
3	9001111							10225
4	9001112							10225
5	9001113							10225
6	9001114							10225
7	9001115							10225
8	9001116							10225
9	9001117							10225
10	9001118							10225
11	9001118	MS						10225
12	9001118	MSD						10225
13	9001119							10225
14	9001120							10225
15	9001121							10225
16	9001122							10225
17	9001123							10225
18	9001124							10225
19	9001125							10225
20	9001126							10225
21	9001127							10225
22	9001128							10225
23	BLANKA							
24	LCSA							

Kirby B. Turner
Associate Chemist

MAY 25 2017

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Copper	1170160BC

Moisture Data

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CLIENT: Stantec
SDG: ATE51

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9001107	51A01
9001108	51A02
9001109	51A03
9001110	51A04
9001111	51A05
9001112	51A06
9001113	51A07
9001114	51A08
9001115	51A09
9001116	51A10
9001117	51A11
9001118	51A12
9001119	51A13
9001120	51A14
9001121	51A15
9001122	51A16
9001123	51A17
9001124	51A18
9001125	51A19
9001126	51A20

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:	17144820006A	Sample number(s):		9001107-9001116		
Moisture		100		99-101		
Batch number:	17144820006B	Sample number(s):		9001117-9001126		
Moisture		100		99-101		

Sample Matrix Quality Control

Analysis Name		BKG Conc	DUP Conc	RPD	RPD Max
Batch number:	17144820006A	Sample number(s):		9001107-9001116	
Moisture		4.1	3.6	13*	5
Batch number:	17144820006B	Sample number(s):		9001117-9001126	
Moisture		6.4	5.6	13*	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: ATE51

MOISTURE

Moisture Data Report

Batch #: 17144820006

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9001107	A	00111	1.1226	9.3768	10.1623	3.60	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001108	A	00111	1.1251	8.7098	9.5118	3.71	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001109	A	00111	1.1405	8.4802	9.1376	5.70	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001110	A	00111	1.1777	7.4816	8.3206	4.53	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001111BKG	A	00111	1.1483	7.1088	7.9632	4.13	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001111DUP	A	00111	1.1248	7.5756	8.4249	3.64	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001112	A	00111	1.1308	8.3697	9.1086	4.68	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001113	A	00111	1.1082	8.9264	9.7439	3.26	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001114	A	00111	1.1342	8.7334	9.5426	3.72	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001115	A	00111	1.1270	7.3966	8.1540	5.00	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001116	A	00111	1.1198	7.7938	8.5882	4.18	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001117	B	00111	1.1284	8.5824	9.3629	4.05	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001118	B	00111	1.1171	8.7580	9.5001	4.28	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001119	B	00111	1.1219	7.6911	8.3564	5.94	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001120	B	00111	1.1310	7.4873	8.2828	4.48	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001121	B	00111	1.1604	9.3827	9.9762	6.04	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001122BKG	B	00111	1.1199	7.7776	8.4006	6.39	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001122DUP	B	00111	1.1246	7.4150	8.1253	5.59	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001123	B	00111	1.1373	9.6397	10.2343	5.63	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001124	B	00111	1.1079	9.0428	9.6205	5.86	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001125	B	00111	1.1447	8.9398	9.6917	4.39	5/24/17 (1201/SWF)	5/25/17 (236/CW)
9001126	B	00111	1.1501	8.9892	9.7761	4.04	5/24/17 (1201/SWF)	5/25/17 (236/CW)
LCS 89.5% Std.		00111	1.1127	5.0100	1.6465	89.35	5/24/17 (1201/SWF)	5/25/17 (236/CW)