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Type I Data Package

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Project: Amtrak Wilmington
Soil Samples
Collected on 09/13/16

SDG# ATD70

GROUP	SAMPLE NUMBERS
1708052	8585558-8585562

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

Authorized by: Dana M Kauffman **Date:** **10/12/2016**

Dana M. Kauffman
Manager

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

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Sample Reference List for SDG Number ATD70
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
8585558	W-81E	09/13/2016 09:35	09/13/2016 16:55
8585559	W-81W	09/13/2016 09:36	09/13/2016 16:55
8585560	W-81WMS	09/13/2016 09:36	09/13/2016 16:55
8585561	W-81WMSD	09/13/2016 09:36	09/13/2016 16:55
8585562	DUP-13	09/13/2016 09:36	09/13/2016 16:55

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14248 PCB 10g Sonication Ext

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

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

10225 PCBs in Solids by 8082/3550

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

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

00111 Moisture
00118 Moisture
00121 Moisture Duplicate

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

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

Analysis Reports / Field Chain of Custody

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Report Date: September 26, 2016

Project: Amtrak Wilmington

Submittal Date: 09/13/2016
Group Number: 1708052
SDG: ATD70
PO Number: 213402048
State of Sample Origin: DE

Client Sample Description	Lancaster Labs (LL) #
W-81E Grab Soil	8585558
W-81W Grab Soil	8585559
W-81WMS Grab Soil	8585560
W-81WMSD Grab Soil	8585561
DUP-13 Grab Soil	8585562

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

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

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

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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Analysis Report

Sample Description: W-81E Grab Soil
Amtrak Wilmington

LL Sample # SW 8585558
LL Group # 1708052
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/13/2016 09:35 by DH

Submitted: 09/13/2016 16:55
Reported: 09/26/2016 13:22

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A7001 SDG#: ATD70-01

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	< 1.1	1.1	20
10225	PCB-1221	11104-28-2	< 1.1	1.1	20
10225	PCB-1232	11141-16-5	< 1.1	1.1	20
10225	PCB-1242	53469-21-9	< 1.1	1.1	20
10225	PCB-1248	12672-29-6	< 1.1	1.1	20
10225	PCB-1254	11097-69-1	< 1.1	1.1	20
10225	PCB-1260	11096-82-5	14	1.1	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	7.2	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	162680001A	09/25/2016 21:46	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162680001A	09/24/2016 22:40	Karen L Beyer	1
00111	Moisture	SM 2540 G-1997	1	16265820006A	09/21/2016 19:16	Scott W Freisher	1

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Analysis Report

Sample Description: W-81W Grab Soil
Amtrak Wilmington

LL Sample # SW 8585559
LL Group # 1708052
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/13/2016 09:36 by DH

Submitted: 09/13/2016 16:55
Reported: 09/26/2016 13:22

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A7002 SDG#: ATD70-02BKG

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	< 0.29	0.29	5
10225	PCB-1221	11104-28-2	< 0.29	0.29	5
10225	PCB-1232	11141-16-5	< 0.29	0.29	5
10225	PCB-1242	53469-21-9	< 0.29	0.29	5
10225	PCB-1248	12672-29-6	< 0.29	0.29	5
10225	PCB-1254	11097-69-1	< 0.29	0.29	5
10225	PCB-1260	11096-82-5	1.2	0.29	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	13.8	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162680001A	09/25/2016 21:58	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162680001A	09/24/2016 22:40	Karen L Beyer	1
00111	Moisture	SM 2540 G-1997	1	16265820006A	09/21/2016 19:16	Scott W Freisher	1

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Analysis Report

Sample Description: W-81WMS Grab Soil
Amtrak Wilmington

LL Sample # SW 8585560
LL Group # 1708052
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/13/2016 09:36 by DH

Submitted: 09/13/2016 16:55
Reported: 09/26/2016 13:22

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A7002 SDG#: ATD70-02MS

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	0.55	0.28	5
10225	PCB-1221	11104-28-2	< 0.28	0.28	5
10225	PCB-1232	11141-16-5	< 0.28	0.28	5
10225	PCB-1242	53469-21-9	< 0.28	0.28	5
10225	PCB-1248	12672-29-6	< 0.28	0.28	5
10225	PCB-1254	11097-69-1	< 0.28	0.28	5
10225	PCB-1260	11096-82-5	1.3	0.28	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	13.8	0.50	1

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162680001A	09/25/2016 22:09	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162680001A	09/24/2016 22:40	Karen L Beyer	1
00118	Moisture	SM 2540 G-1997	1	16265820006A	09/21/2016 19:16	Scott W Freisher	1

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Analysis Report

Sample Description: W-81WMSD Grab Soil
Amtrak Wilmington

LL Sample # SW 8585561
LL Group # 1708052
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/13/2016 09:36 by DH

Submitted: 09/13/2016 16:55
Reported: 09/26/2016 13:22

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A7002 SDG#: ATD70-02MSD

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	0.59	0.29	5
10225	PCB-1221	11104-28-2	< 0.29	0.29	5
10225	PCB-1232	11141-16-5	< 0.29	0.29	5
10225	PCB-1242	53469-21-9	< 0.29	0.29	5
10225	PCB-1248	12672-29-6	< 0.29	0.29	5
10225	PCB-1254	11097-69-1	< 0.29	0.29	5
10225	PCB-1260	11096-82-5	1.0	0.29	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	13.8	0.50	1
00121	Moisture Duplicate	n.a.	12.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162680001A	09/25/2016 22:20	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162680001A	09/24/2016 22:40	Karen L Beyer	1
00118	Moisture	SM 2540 G-1997	1	16265820006A	09/21/2016 19:16	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997	1	16265820006A	09/21/2016 19:16	Scott W Freisher	1

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Analysis Report

Sample Description: DUP-13 Grab Soil
Amtrak Wilmington

LL Sample # SW 8585562
LL Group # 1708052
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/13/2016 09:36 by DH

Submitted: 09/13/2016 16:55
Reported: 09/26/2016 13:22

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A7003 SDG#: ATD70-03FD

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	< 0.59	0.59	10
10225	PCB-1221	11104-28-2	< 0.59	0.59	10
10225	PCB-1232	11141-16-5	< 0.59	0.59	10
10225	PCB-1242	53469-21-9	< 0.59	0.59	10
10225	PCB-1248	12672-29-6	< 0.59	0.59	10
10225	PCB-1254	11097-69-1	< 0.59	0.59	10
10225	PCB-1260	11096-82-5	1.2	0.59	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	14.2	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	162680001A	09/25/2016 22:32	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162680001A	09/24/2016 22:40	Karen L Beyer	1
00111	Moisture	SM 2540 G-1997	1	16265820006A	09/21/2016 19:16	Scott W Freisher	1

Quality Control Summary

Client Name: Stantec
Reported: 09/26/2016 13:22

Group Number: 1708052

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: 162680001A	Sample number(s): 8585558-8585562	
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: 162680001A	Sample number(s): 8585558-8585562								
PCB-1016	0.505	0.467			93		80-121		
PCB-1260	0.504	0.498			99		84-125		
	%	%	%	%					
Batch number: 16265820006A	Sample number(s): 8585558-8585562								
Moisture	89.5	89.46			100		99-101		
Moisture	89.5	89.46			100		99-101		
Moisture Duplicate	89.5	89.46			100		99-101		

MS/MSD

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

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 162680001A	Sample number(s): 8585558-8585562 UNSPK: 8585559									
PCB-1016	< 0.25	0.484	0.474	0.496	0.511	98	103	80-121	8	50
PCB-1260	0.997	0.483	1.13	0.496	0.880	28*	-23*	84-125	25	50

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

Quality Control Summary

Client Name: Stantec
Reported: 09/26/2016 13:22

Group Number: 1708052

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: 16265820006A	Sample number(s): 8585558-8585562 BKG: 8585559, P585559			
Moisture	13.78	12.46	10*	5
Moisture	13.78	12.46	10*	5
Moisture Duplicate	13.78	12.46	10*	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: 162680001A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8585558	103	111
8585559	100	93
8585560	99	92
8585561	101	97
8585562	101	103
Blank	112	95
LCS	105	93
MS	99	92
MSD	101	97
Limits:	46-148	49-139

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

Environmental Analysis Request/Chain of Custody

4

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Acct. # 11289 Group # 1708052 Sample # 8585558-62

COC # 510306

Client Information

Client: Stantec	Acct. #:
Project Name/#: 213402048	PWSID #:
Project Manager: Paul Miller	P.O. #:
Sampler: Dane Hopkins/JZ	Quote #:
State where samples were collected: Delaware	For Compliance: Yes ☐ No ☐

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

Analysis Requested — Preservation Codes

For Lab Use Only
FSC: ____
SCR#: ____

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

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Other	Total # of Containers	PCB	Remarks
W-80W MS	9/13/16	0933	X		X			1	X	
W-80W MSD		0933								
DUP-12		0933								
W-81E		0935								
W-81W		0936								
W-81W MS		0936								
W-81W MSD		0936								
DUP-13		0936								
W-82E		0938								
W-82W		0939								

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

Date results are needed: ____

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

Relinquished by	Date	Time	Received by	Date	Time
Dane Hopkins	9/13/16	1134	Mark D	9/13/16	1134
Mark D	9/13/16	1650			
			Cathy Murphy	9/13/16	16:55

Data Package Options (circle if required)

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

EDD Required? Yes No
If yes, format: ____

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

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.3 °C

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

7044 0216

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Sample Administration Receipt Documentation Log

Doc Log ID: 161885

Group Number(s): 1708052

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/13/2016 16:55
Number of Packages:	1	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 Cathy Murphy (10960) at 18:28 on 09/13/2016

Samples Chilled Details

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

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.3	DT	Wet	Y	Bagged	N

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

Explanation of Symbols and Abbreviations

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

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

< less than

> greater than

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

ppb parts per billion

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

Laboratory Data Qualifiers:

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

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

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

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

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

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

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Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

Polychlorinated Biphenyls (PCBs)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATD70

Pesticide Residue Analysis
Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
8585558	W-81E		X	20	
8585559	W-81W		X	5	Unspiked
8585560	W-81WMS		X	5	Matrix Spike
8585561	W-81WMSD		X	5	Matrix Spike Duplicate
8585562	DUP-13		X	10	Field Duplicate Sample

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): 8585558-8585562: Analysis: 10225)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

MS/MSD

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

Batch#: 162680001A (Sample number(s): 8585558-8585562, UNSPK: 8585560-8585559)
The recovery(ies) for the following analyte(s) in the MS and MSD is outside the acceptance window: PCB-1260
Refer to the QC Summary forms for more information.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATD70

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

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: ATD70

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	162680001A	PBLK01268	09/25/2016 19:29:00
		LCS01268	09/25/2016 19:40:00
		8585558	09/25/2016 21:46:00
		8585559 UNSPK	09/25/2016 21:58:00
		8585560 MS	09/25/2016 22:09:00
		8585561 MSD	09/25/2016 22:20:00
		8585562	09/25/2016 22:32:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATD70
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

162680001A / PBLK01268 Analyte	Analysis Date	Blank Results	Units	MDL	LOQ
PCB-1016	09/25/16	N.D.	mg/kg	0.0099	0.051
PCB-1221	09/25/16	N.D.	mg/kg	0.015	0.051
PCB-1232	09/25/16	N.D.	mg/kg	0.012	0.051
PCB-1242	09/25/16	N.D.	mg/kg	0.012	0.051
PCB-1248	09/25/16	N.D.	mg/kg	0.0099	0.051
PCB-1254	09/25/16	N.D.	mg/kg	0.013	0.051
PCB-1260	09/25/16	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATD70
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

162680001A	Decachlorobiphenyl		Tetrachloro-m-xylene	
	Spike Added	29.3 ug/kg	Spike Added	29.2 ug/kg
Sample	% Recovery	Limits	% Recovery	Limits
PBLK01268	95	49 - 139	112	46 - 148
LCS01268	93	49 - 139	105	46 - 148
8585558	111	49 - 139	103	46 - 148
8585559 UNSPK	93	49 - 139	100	46 - 148
8585560 MS	92	49 - 139	99	46 - 148
8585561 MSD	97	49 - 139	101	46 - 148
8585562	103	49 - 139	101	46 - 148

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

SDG: ATD70
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS01268	Batch: **162680001A** (Sample number(s): 8585558-8585562)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.505	0.467	NA	93	NA	80-121	NA	NA
PCB-1260	0.504	0.498	NA	99	NA	84-125	NA	NA

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ATD70
Matrix: SOLID

Pesticide Residue Analysis
Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 8585559 MS: 8585560 MSD: 8585561 **Analyte**	Batch: **162680001A** (Sample number(s): 8585558-8585562)								
	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 / 0.496	N.D.	0.474	0.511	98	103	80-121	8	50
PCB-1260	0.483 / 0.496	0.997	1.13	0.880	28 *	-23 *	84-125	25	50

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

Results are being reported on an as received basis.

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1624201

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

Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.91	2.91	2.91	2.91	2.91	2.91	2.88	2.94
Decachlorobiphenyl	6.59	6.59	6.59	6.59	6.59	6.59	6.56	6.62

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1624201

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.40E+05	1.40E+05	1.49E+05	1.51E+05	1.55E+05	1.47E+05	5
Decachlorobiphenyl	1.27E+05	1.16E+05	1.14E+05	1.18E+05	1.26E+05	1.20E+05	5

Average % RSD: 5

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1624201

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.17	3.15	3.19	2688	2341	1	50.5	135766	9
					2337		2	101	235990	
					2280		3	202	460555	
					2191		4	505	1106348	
					2211		5	1010	2232925	
	2	3.38	3.36	3.40	2669	2324	1	50.5	134767	9
					2378		2	101	240157	
					2218		3	202	448026	
					2192		4	505	1107157	
					2162		5	1010	2183587	
	3	3.50	3.48	3.52	2943	2778	1	50.5	148617	4
					2795		2	101	282343	
					2663		3	202	538018	
					2674		4	505	1350410	
					2816		5	1010	2843663	
	4	3.71	3.69	3.73	3619	3384	1	50.5	182747	4
					3369		2	101	340302	
					3236		3	202	653753	
					3285		4	505	1659032	
					3409		5	1010	3442610	
	5	3.77	3.75	3.79	2978	2717	1	50.5	150399	7
					2707		2	101	273430	
					2504		3	202	505748	
					2614		4	505	1319851	
					2782		5	1010	2809848	
	6	3.96	3.94	3.98	2242	1984	1	50.5	113231	8
					1957		2	101	197706	
					1890		3	202	381713	
					1868		4	505	943208	
					1963		5	1010	1982473	
Aroclor-1221	1	3.07	3.05	3.09	1198	1198	1	200	239553	0
	2	3.12	3.10	3.14	1006	1006	1	200	201210	0
	3	3.17	3.15	3.19	3308	3308	1	200	661535	0
Aroclor-1232	1	3.17	3.15	3.19	3022	3022	1	200	604426	0
	2	3.38	3.36	3.40	1150	1150	1	200	230070	0
	3	3.50	3.48	3.52	1350	1350	1	200	270067	0
	4	3.71	3.69	3.73	1733	1733	1	200	346671	0
	5	3.77	3.75	3.79	1260	1260	1	200	252002	0
	6	3.96	3.94	3.98	853	853	1	200	170518	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1624201

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.17	3.15	3.19	1772	1772	1	200	354305	0
	2	3.38	3.36	3.40	1735	1735	1	200	347037	0
	3	3.50	3.48	3.52	2064	2064	1	200	412781	0
	4	3.71	3.69	3.73	2536	2536	1	200	507292	0
	5	3.77	3.75	3.79	1923	1923	1	200	384687	0
	6	3.96	3.94	3.98	1448	1448	1	200	289514	0
Aroclor-1248	1	3.77	3.75	3.79	1708	1481	1	50	85391	11
					1574		2	100	157401	
					1452		3	201	291946	
					1340		4	502	672533	
					1331		5	1003	1334937	
	2	3.84	3.82	3.86	2858	2552	1	50	142902	9
					2708		2	100	270774	
					2516		3	201	505792	
					2362		4	502	1185814	
					2318		5	1003	2324916	
	3	3.96	3.94	3.98	3078	2830	1	50	153902	7
					3039		2	100	303885	
					2704		3	201	543569	
					2686		4	502	1348272	
					2642		5	1003	2649530	
	4	4.05	4.03	4.07	2504	2296	1	50	125193	6
					2387		2	100	238731	
					2181		3	201	438395	
					2160		4	502	1084418	
					2245		5	1003	2251905	
	5	4.23	4.21	4.25	2644	2494	1	50	132181	5
					2582		2	100	258170	
					2357		3	201	473802	
					2428		4	502	1218946	
					2457		5	1003	2464774	
	6	4.61	4.59	4.63	2142	1879	1	50	107122	10
					2022		2	100	202211	
					1779		3	201	357528	
					1729		4	502	867990	
					1721		5	1003	1726061	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1624201

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.21	4.19	4.23	3086	2880	1	50	154279	5
					2949		2	101	297893	
					2700		3	252	680396	
					2781		4	503	1398595	
					2887		5	1006	2904147	
	2	4.55	4.53	4.57	3254	3026	1	50	162689	5
					3033		2	101	306297	
					2851		3	252	718455	
					2942		4	503	1479995	
					3050		5	1006	3067949	
	3	4.62	4.60	4.64	6472	6187	1	50	323619	4
					6222		2	101	628379	
					5819		3	252	1466305	
					6119		4	503	3077942	
					6301		5	1006	6339014	
	4	4.74	4.72	4.76	2133	1916	1	50	106659	8
					2041		2	101	206181	
					1831		3	252	461456	
					1763		4	503	887040	
					1813		5	1006	1823439	
	5	4.83	4.81	4.85	4908	4381	1	50	245394	7
					4346		2	101	438951	
					4102		3	252	1033728	
					4170		4	503	2097640	
					4378		5	1006	4404430	
	6	5.03	5.01	5.05	3716	3527	1	50	185776	5
					3449		2	101	348355	
					3334		3	252	840130	
					3432		4	503	1726499	
					3705		5	1006	3726821	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 19843A Calibration File: 07PCBS1624201
GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.74	4.72	4.76	5029	4551	1	50.4	253475	7
					4471		2	101	451554	
					4214		3	202	851211	
					4466		4	504	2251056	
					4575		5	1008	4612088	
	2	5.03	5.01	5.05	2827	2583	1	50.4	142490	6
					2483		2	101	250777	
					2425		3	202	489808	
					2570		4	504	1295518	
					2611		5	1008	2631716	
	3	5.21	5.19	5.23	3509	3194	1	50.4	176846	6
					3150		2	101	318199	
					3051		3	202	616355	
					3010		4	504	1517105	
					3249		5	1008	3275175	
	4	5.37	5.35	5.39	4406	3945	1	50.4	222078	10
					3921		2	101	396037	
					3842		3	202	776052	
					3378		4	504	1702682	
					4177		5	1008	4210438	
	5	5.61	5.59	5.63	9984	9873	1	50.4	503214	6
					9104		2	101	919522	
					9401		3	202	1899066	
					10131		4	504	5106236	
					10741		5	1008	10827360	
	6	5.82	5.80	5.84	6062	5792	1	50.4	305503	4
					5529		2	101	558461	
					5595		3	202	1130181	
					5830		4	504	2938510	
					5941		5	1008	5988844	
Aroclor-1262	1	5.21	5.19	5.23	5628	5628	1	200	1125562	0
	2	5.37	5.35	5.39	4990	4990	1	200	998092	0
	3	5.61	5.59	5.63	12360	12360	1	200	2472069	0
	4	5.82	5.80	5.84	7336	7336	1	200	1467120	0
	5	5.87	5.85	5.89	3541	3541	1	200	708193	0
	6	6.24	6.22	6.26	4683	4683	1	200	936650	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1624201

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.81	5.79	5.83	15431	15431	1	200	3086114	0
	2	5.87	5.85	5.89	13191	13191	1	200	2638108	0
	3	6.00	5.98	6.02	12906	12906	1	200	2581245	0
	4	6.09	6.07	6.11	411	411	1	200	82267	0
	5	6.24	6.22	6.26	5509	5509	1	200	1101725	0
	6	6.44	6.42	6.46	44772	44772	1	200	8954430	0

File Name: V:\CP7\07pcbs1624201.CAL
Version: 15

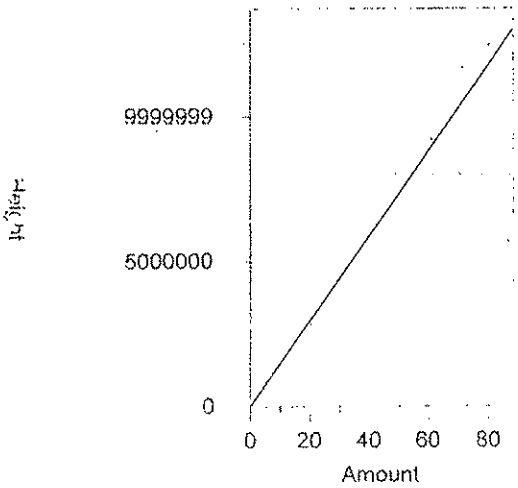
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.914 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

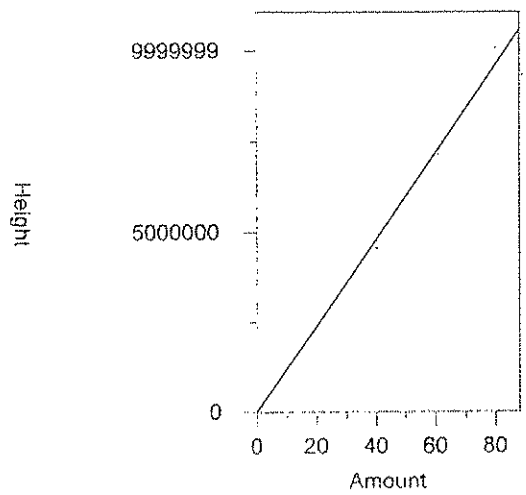
Single peak quantification by height

Y = 147158.7 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9944403
Average error: 3.781%
Average CF: 147158.7
RSD: 4.588%

Level	Amount	Response	Cal Factor	Error, %	Source	D
1	4.008	562030.6	140227.2	-4.710	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0007.BND	8,
2	20.04	2809213	140180.3	-4.742	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0008.BND	8,
3	40.08	5961761	148746.5	1.079	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0009.BND	8,
4	60.92	9225219	151431.7	2.904	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0010.BND	8,
5	80.16	1.244144E+07	155207.6	5.470	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0011.BND	8,

2 DCB



Expected retention time: 6.587 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

Single peak quantification by height

Y = 120048.6 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.99487
Average error: 4.299%
Average CF: 120048.6
RSD: 5.062%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	510291.5	127318.2	6.056	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0007.BND
2	20.04	2321926	115864.6	-3.485	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0008.BND
3	40.08	4558652	113738.8	-5.256	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0009.BND
4	60.92	7166625	117639.9	-2.006	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0010.BND
5	80.16	1.007463E+07	125681.5	4.692	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0011.BND

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 19843B
Calibration File: 07PCBS1624201B
GC Column (2) : ZB MR2
ID: 0.32 (mm)
Update File:
Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	RT OF STANDARDS					MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	RT	FROM	TO
Tetrachloro-m-xylene	2.57	2.57	2.57	2.57	2.57	2.57	2.54	2.60
Decachlorobiphenyl	6.03	6.03	6.03	6.03	6.03	6.03	6.00	6.06

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1624201B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	3.94E+05	3.95E+05	4.08E+05	4.21E+05	4.38E+05	4.11E+05	4
Decachlorobiphenyl	2.58E+05	2.23E+05	2.31E+05	2.32E+05	2.42E+05	2.37E+05	6

Average % RSD: 5

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 19843B Calibration File: 07PCBS1624201B
GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.85	2.83	2.87	7517	6511	1	50.5	379622	9
					6596		2	101	666203	
					6384		3	202	1289633	
					6148		4	505	3104680	
					5909		5	1010	5968162	
	2	3.18	3.16	3.20	9023	8086	1	50.5	455686	7
					8224		2	101	830640	
					7771		3	202	1569767	
					7798		4	505	3938191	
					7615		5	1010	7691306	
	3	3.37	3.35	3.39	8964	8201	1	50.5	452697	5
					8163		2	101	824488	
					7965		3	202	1608891	
					7963		4	505	4021453	
					7948		5	1010	8027226	
	4	3.44	3.42	3.46	9450	8935	1	50.5	477230	3
					8960		2	101	904944	
					8769		3	202	1771299	
					8636		4	505	4361274	
					8862		5	1010	8950888	
	5	3.60	3.58	3.62	7926	7133	1	50.5	400285	6
					7074		2	101	714524	
					7019		3	202	1417932	
					6791		4	505	3429567	
					6853		5	1010	6921236	
	6	3.69	3.67	3.71	6637	6169	1	50.5	335158	5
					6200		2	101	626172	
					5797		3	202	1170970	
					5919		4	505	2989201	
					6293		5	1010	6355866	
Aroclor-1221	1	2.74	2.72	2.76	3779	3779	1	200	755878	0
	2	2.80	2.78	2.82	2228	2228	1	200	445589	0
	3	2.85	2.83	2.87	9304	9304	1	200	1860741	0
Aroclor-1232	1	2.85	2.83	2.87	8569	8569	1	200	1713867	0
	2	3.18	3.16	3.20	4084	4084	1	200	816770	0
	3	3.37	3.35	3.39	4078	4078	1	200	815600	0
	4	3.44	3.42	3.46	4097	4097	1	200	819316	0
	5	3.60	3.58	3.62	3048	3048	1	200	609551	0
	6	3.69	3.67	3.71	2846	2846	1	200	569185	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1624201B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	2.85	2.83	2.87	5037	5037	1	200	1007386	0
	2	3.18	3.16	3.20	6010	6010	1	200	1201935	0
	3	3.37	3.35	3.39	6075	6075	1	200	1215031	0
	4	3.44	3.42	3.46	6251	6251	1	200	1250188	0
	5	3.60	3.58	3.62	5037	5037	1	200	1007428	0
	6	3.69	3.67	3.71	4656	4656	1	200	931102	0
Aroclor-1248	1	3.37	3.35	3.39	3809	3466	1	50	190464	9
					3730		2	100	373040	
					3421		3	201	687590	
					3222		4	502	1617475	
					3148		5	1003	3157444	
	2	3.48	3.46	3.50	9666	8448	1	50	483290	10
					9021		2	100	902131	
					8038		3	201	1615616	
					7834		4	502	3932706	
					7679		5	1003	7702165	
	3	3.60	3.58	3.62	11153	9638	1	50	557648	14
					10534		2	100	1053367	
					7532		3	201	1513867	
					9570		4	502	4804216	
					9400		5	1003	9428678	
	4	3.69	3.67	3.71	7856	7215	1	50	392780	6
					7385		2	100	738485	
					7011		3	201	1409254	
					6946		4	502	3486766	
					6879		5	1003	6899298	
	5	3.82	3.80	3.84	14150	13420	1	50	707502	4
					13736		2	100	1373616	
					12872		3	201	2587253	
					13337		4	502	6695401	
					13003		5	1003	13042320	
	6	4.17	4.15	4.19	6508	5934	1	50	325398	7
					6194		2	100	619404	
					5619		3	201	1129332	
					5616		4	502	2819004	
					5733		5	1003	5750284	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1624201B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.12	4.10	4.14	12167	11147	1	50	608343	6
					11124		2	101	1123479	
					10241		3	252	2580790	
					10802		4	503	5433196	
					11401		5	1006	11469830	
	2	4.18	4.16	4.20	20511	19505	1	50	1025546	4
					19041		2	101	1923138	
					18992		3	252	4785859	
					18899		4	503	9506186	
					20084		5	1006	20204930	
	3	4.27	4.25	4.29	10043	9140	1	50	502153	6
					9138		2	101	922922	
					8698		3	252	2191812	
					8850		4	503	4451626	
					8971		5	1006	9024563	
	4	4.33	4.31	4.35	12171	11902	1	50	608541	6
					11360		2	101	1147384	
					11140		3	252	2807340	
					11922		4	503	5996755	
					12916		5	1006	12993570	
	5	4.40	4.38	4.42	7582	6713	1	50	379081	14
					7260		2	101	733242	
					5178		3	252	1304908	
					6610		4	503	3324797	
					6933		5	1006	6974993	
	6	4.55	4.53	4.57	8156	8159	1	50	407784	6
					7613		2	101	768870	
					7755		3	252	1954326	
					8340		4	503	4194886	
					8930		5	1006	8983991	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 19843B Calibration File: 07PCBS1624201B
GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.26	4.24	4.28	15650	14569	1	50.4	788764	4
					14219		2	101	1436099	
					14153		3	202	2858878	
					14371		4	504	7242770	
					14454		5	1008	14569360	
	2	4.40	4.38	4.42	17776	16616	1	50.4	895909	5
					16149		2	101	1631001	
					15616		3	202	3154451	
					16331		4	504	8230817	
					17210		5	1008	17347740	
	3	4.50	4.48	4.52	13529	12912	1	50.4	681878	4
					12357		2	101	1248071	
					12478		3	202	2520566	
					12863		4	504	6482718	
					13333		5	1008	13439340	
	4	4.84	4.82	4.86	11062	10504	1	50.4	557539	4
					10380		2	101	1048398	
					10220		3	202	2064490	
					10062		4	504	5071430	
					10796		5	1008	10882240	
	5	5.03	5.01	5.05	23167	23871	1	50.4	1167602	5
					23162		2	101	2339343	
					23119		3	202	4670128	
					23860		4	504	12025340	
					26048		5	1008	26256500	
	6	5.29	5.27	5.31	15216	14956	1	50.4	766886	5
					14284		2	101	1442713	
					14345		3	202	2897730	
					14809		4	504	7463912	
					16127		5	1008	16255800	
Aroclor-1262	1	4.66	4.64	4.68	16900	16900	1	200	3379972	0
	2	4.84	4.82	4.86	16597	16597	1	200	3319394	0
	3	5.03	5.01	5.05	30847	30847	1	200	6169356	0
	4	5.25	5.23	5.27	11574	11574	1	200	2314816	0
	5	5.29	5.27	5.31	19583	19583	1	200	3916520	0
	6	5.67	5.65	5.69	10165	10165	1	200	2033017	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1624201B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 8/29/2016 8/29/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.25	5.23	5.27	36864	36864	1	200	7372810	0
	2	5.29	5.27	5.31	36400	36400	1	200	7280009	0
	3	5.44	5.42	5.46	29178	29178	1	200	5835590	0
	4	5.51	5.49	5.53	7657	7657	1	200	1531461	0
	5	5.67	5.65	5.69	11896	11896	1	200	2379128	0
	6	5.87	5.85	5.89	90020	90020	1	200	18003980	0

File Name: V:\CP7\07pcbs1624201b.CAL
Version: 14

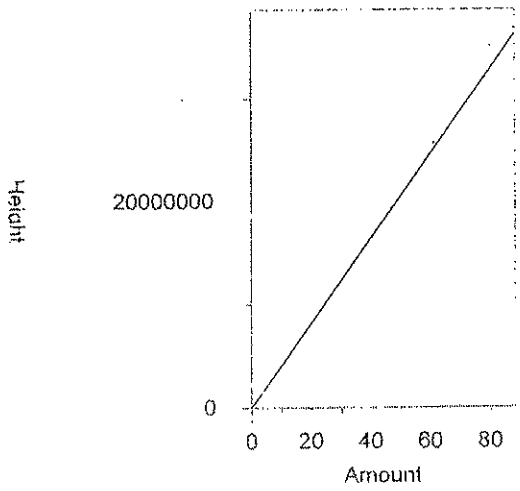
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.568 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

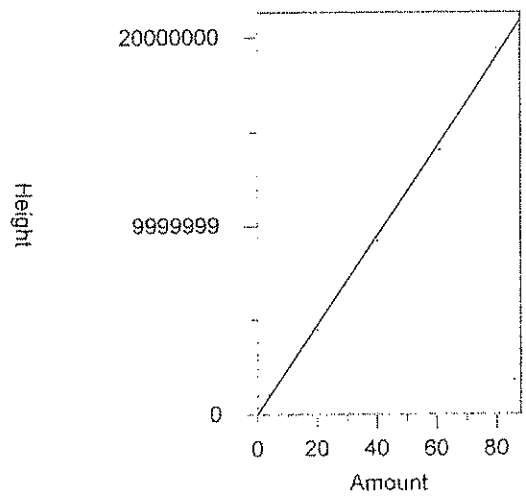
Single peak quantification by height

Y = 411216.8 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9930592
Average error: 3.541%
Average CF: 411216.8
RSD: 4.496%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	1580996	394460.1	-4.075	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0007.BND
2	20.04	7907916	394606.6	-4.039	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0008.BND
3	40.08	1.635968E+07	408175.6	-0.740	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0009.BND
4	60.92	2.565325E+07	421097.3	2.403	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0010.BND
5	80.16	3.508958E+07	437744.3	6.451	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0011.BND

2 DCB



Expected retention time:	6.031 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 237160.6 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9981683
Average error:	4.318%
Average CF:	237160.6
RSD:	5.666%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	1034623	258139.5	8.846	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0007.BNE
2	20.04	4475638	223335.2	-5.830	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0008.BNE
3	40.08	9251530	230826.6	-2.671	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0009.BNE
4	60.92	1.411643E+07	231720.8	-2.294	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0010.BNE
5	80.16	1.938116E+07	241780.9	1.948	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001B.0011.BNE

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 08/29/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 20:34

Lab File ID: 07PCBS16242001.0029.RAW Initial Calibration: 07PCBS1624201

Lab Standard ID: IC16XAA Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.91	2.88	2.94	39.86	40.08	-1
Decachlorobiphenyl	6.58	6.56	6.62	37.19	40.08	-7
Aroclor-1016	3.17	3.15	3.19	199.29	200.40	-1
	3.38	3.36	3.40			
	3.50	3.48	3.52			
	3.71	3.69	3.73			
	3.77	3.75	3.79			
	3.96	3.94	3.98			
Aroclor-1260	4.73	4.72	4.76	184.99	201.80	-8
	5.03	5.01	5.05			
	5.20	5.19	5.23			
	5.37	5.35	5.39			
	5.61	5.59	5.63			
	5.82	5.80	5.84			

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 08/29/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 20:34

Lab File ID: 07PCBS16242001B.0029.RAW Initial Calibration: 07PCBS1624201B

Lab Standard ID: IC16XAA Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.57	2.54	2.60	38.87	40.08	-3
Decachlorobiphenyl	6.03	6.00	6.06	36.22	40.08	-10
Aroclor-1016	2.85	2.83	2.87	193.12	200.40	-4
	3.18	3.16	3.20			
	3.37	3.35	3.39			
	3.44	3.42	3.46			
	3.60	3.58	3.62			
	3.69	3.67	3.71			
Aroclor-1260	4.26	4.24	4.28	187.44	201.80	-7
	4.40	4.38	4.42			
	4.50	4.48	4.52			
	4.84	4.82	4.86			
	5.03	5.01	5.05			
	5.29	5.27	5.31			

Compounds 14 Average of %D: 6

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 08/29/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 20:45

Lab File ID: 07PCBS16242001.0030.RAW Initial Calibration: 07PCBS1624201

Lab Standard ID: IC48XAA Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.91	2.88	2.94	41.73	40.10	4
Decachlorobiphenyl	6.58	6.56	6.62	35.54	40.04	-11
Aroclor-1248	3.77	3.75	3.79	202.91	200.00	1
	3.84	3.82	3.86			
	3.96	3.94	3.98			
	4.05	4.03	4.07			
	4.23	4.21	4.25			
	4.61	4.59	4.63			

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 08/29/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 20:45

Lab File ID: 07PCBS16242001B.0030.RAW Initial Calibration: 07PCBS1624201B

Lab Standard ID: IC48XAA Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.57	2.54	2.60	40.55	40.10	1
Decachlorobiphenyl	6.03	6.00	6.06	37.30	40.04	-7
Aroclor-1248	3.37	3.35	3.39	193.84	200.00	-3
	3.48	3.46	3.50			
	3.60	3.58	3.62			
	3.69	3.67	3.71			
	3.82	3.80	3.84			
	4.17	4.15	4.19			

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 08/29/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 20:57

Lab File ID: 07PCBS16242001.0031.RAW Initial Calibration: 07PCBS1624201

Lab Standard ID: IC54XAA Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.91	2.88	2.94	19.60	19.99	-2
Decachlorobiphenyl	6.59	6.56	6.62	18.14	20.00	-9
Aroclor-1254	4.21	4.19	4.23	239.04	251.50	-5
	4.55	4.53	4.57			
	4.61	4.60	4.64			
	4.74	4.72	4.76			
	4.83	4.81	4.85			
	5.03	5.01	5.05			

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 08/29/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 20:57

Lab File ID: 07PCBS16242001B.0031.RAW Initial Calibration: 07PCBS1624201B

Lab Standard ID: IC54XAA Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.57	2.54	2.60	19.63	19.99	-2
Decachlorobiphenyl	6.03	6.00	6.06	18.35	20.00	-8
Aroclor-1254	4.11	4.10	4.14	218.96	251.50	-13
	4.17	4.16	4.20			
	4.26	4.25	4.29			
	4.33	4.31	4.35			
	4.40	4.38	4.42			
	4.54	4.53	4.57			

Compounds 8 Average of %D: 8

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/25/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 18:43

Lab File ID: 07PCBS16242025.0005.RAW Initial Calibration: 07PCBS1624201

Lab Standard ID: AR163GR Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.88	2.94	38.12	40.08	-5
Decachlorobiphenyl	6.58	6.56	6.62	32.00	40.08	-20
Aroclor-1016	3.18	3.15	3.19	186.86	202.00	-7
	3.39	3.36	3.40			
	3.50	3.48	3.52			
	3.71	3.69	3.73			
	3.77	3.75	3.79			
	3.96	3.94	3.98			
Aroclor-1260	4.73	4.72	4.76	173.80	201.64	-14
	5.03	5.01	5.05			
	5.20	5.19	5.23			
	5.37	5.35	5.39			
	5.61	5.59	5.63			
	5.81	5.80	5.84			

Compounds 14 Average of %D: 12

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/25/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 18:43

Lab File ID: 07PCBS16242025B.0005.RAW Initial Calibration: 07PCBS1624201B

Lab Standard ID: AR163GR Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.58	2.55	2.61	40.94	40.08	2
Decachlorobiphenyl	6.03	6.00	6.06	32.61	40.08	-19
Aroclor-1016	2.86	2.83	2.87	200.73	202.00	-1
	3.19	3.16	3.20			
	3.38	3.35	3.39			
	3.45	3.42	3.46			
	3.61	3.58	3.62			
	3.70	3.67	3.71			
Aroclor-1260	4.27	4.24	4.28	192.14	201.64	-5
	4.40	4.38	4.42			
	4.50	4.48	4.52			
	4.84	4.82	4.86			
	5.03	5.01	5.05			
	5.29	5.27	5.31			

Compounds 14 Average of %D: 7

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/25/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 21:01

Lab File ID: 07PCBS16242025.0017.RAW Initial Calibration: 07PCBS1624201

Lab Standard ID: AR163GS Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.88	2.94	39.65	40.08	-1
Decachlorobiphenyl	6.58	6.56	6.62	32.42	40.08	-19
Aroclor-1016	3.18	3.15	3.19	189.61	202.00	-6
	3.39	3.36	3.40			
	3.50	3.48	3.52			
	3.71	3.69	3.73			
	3.77	3.75	3.79			
	3.96	3.94	3.98			
Aroclor-1260	4.73	4.72	4.76	177.17	201.64	-12
	5.03	5.01	5.05			
	5.20	5.19	5.23			
	5.37	5.35	5.39			
	5.61	5.59	5.63			
	5.81	5.80	5.84			

Compounds 14 Average of %D: 10

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/25/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 21:01

Lab File ID: 07PCBS16242025B.0017.RAW Initial Calibration: 07PCBS1624201B

Lab Standard ID: AR163GS Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.58	2.55	2.61	42.20	40.08	5
Decachlorobiphenyl	6.03	6.00	6.06	34.02	40.08	-15
Aroclor-1016	2.86	2.83	2.87	201.49	202.00	0
	3.19	3.16	3.20			
	3.38	3.35	3.39			
	3.45	3.42	3.46			
	3.61	3.58	3.62			
	3.70	3.67	3.71			
Aroclor-1260	4.27	4.24	4.28	188.58	201.64	-6
	4.40	4.38	4.42			
	4.50	4.48	4.52			
	4.84	4.82	4.86			
	5.03	5.01	5.05			
	5.29	5.27	5.31			

Compounds 14 Average of %D: 7

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 09/25/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 23:17

Lab File ID: 07PCBS16242025.0029.RAW Initial Calibration: 07PCBS1624201

Lab Standard ID: AR163GT Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.92	2.88	2.94	38.83	40.08	-3
Decachlorobiphenyl	6.58	6.56	6.62	34.09	40.08	-15
Aroclor-1016	3.18	3.15	3.19	185.63	202.00	-8
	3.39	3.36	3.40			
	3.50	3.48	3.52			
	3.71	3.69	3.73			
	3.77	3.75	3.79			
	3.96	3.94	3.98			
Aroclor-1260	4.73	4.72	4.76	177.43	201.64	-12
	5.02	5.01	5.05			
	5.20	5.19	5.23			
	5.37	5.35	5.39			
	5.61	5.59	5.63			
	5.81	5.80	5.84			

Compounds 14 Average of %D: 10

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 09/25/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 23:17

Lab File ID: 07PCBS16242025B.0029.RAW Initial Calibration: 07PCBS1624201B

Lab Standard ID: AR163GT Init. Calib Date(s): 08/29/16 08/29/16

Calibration: 07PCBS1624201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.58	2.55	2.61	41.16	40.08	3
Decachlorobiphenyl	6.03	6.00	6.06	31.53	40.08	-21
Aroclor-1016	2.86	2.83	2.87	196.27	202.00	-3
	3.19	3.16	3.20			
	3.38	3.35	3.39			
	3.45	3.42	3.46			
	3.61	3.58	3.62			
	3.69	3.67	3.71			
Aroclor-1260	4.26	4.24	4.28	182.97	201.64	-9
	4.40	4.38	4.42			
	4.50	4.48	4.52			
	4.84	4.82	4.86			
	5.03	5.01	5.05			
	5.29	5.27	5.31			

Compounds 14 Average of %D: 9

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS16242001
Instrument CP 7--19843A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS16242001.0001	CONDITIONER		8/29/16 15:14	1624199999	1.00
9065	07PCBS16242001.0002	CONDITIONER		8/29/16 15:25	1624199999	1.00
9065	07PCBS16242001.0003	CONDITIONER		8/29/16 15:37	1624199999	1.00
9065	07PCBS16242001.0004	CONDITIONER		8/29/16 15:48	1624199999	1.00
9065	07PCBS16242001.0005	IBLKX1624A	PIBLKAA	8/29/16 16:00	1624199999	10.00
9065	07PCBS16242001.0006	EVALX1624A	EVALXAA	8/29/16 16:11	1624199999	1.00
9065	07PCBS16242001.0007	AR1611624B	AR161AA	8/29/16 16:23	1624199999	1.00
9065	07PCBS16242001.0008	AR1621624B	AR162AA	8/29/16 16:34	1624199999	1.00
9065	07PCBS16242001.0009	AR1631624B	AR163AA	8/29/16 16:45	1624199999	1.00
9065	07PCBS16242001.0010	AR1641624B	AR164AA	8/29/16 16:57	1624199999	1.00
9065	07PCBS16242001.0011	AR1651624B	AR165AA	8/29/16 17:08	1624199999	1.00
9065	07PCBS16242001.0012	AR4811624A	AR481AA	8/29/16 17:19	1624199999	1.00
9065	07PCBS16242001.0013	AR4821624A	AR482AA	8/29/16 17:31	1624199999	1.00
9065	07PCBS16242001.0014	AR4831624A	AR483AA	8/29/16 17:42	1624199999	1.00
9065	07PCBS16242001.0015	AR4841624A	AR484AA	8/29/16 17:53	1624199999	1.00
9065	07PCBS16242001.0016	AR4851624A	AR485AA	8/29/16 18:05	1624199999	1.00
9065	07PCBS16242001.0017	AR5411624A	AR541AA	8/29/16 18:16	1624199999	1.00
9065	07PCBS16242001.0018	AR5421624B	AR542AA	8/29/16 18:28	1624199999	1.00
9065	07PCBS16242001.0019	AR5431624A	AR543AA	8/29/16 18:39	1624199999	1.00
9065	07PCBS16242001.0020	AR5441624A	AR544AA	8/29/16 18:51	1624199999	1.00
9065	07PCBS16242001.0021	AR5451624A	AR545AA	8/29/16 19:02	1624199999	1.00
9065	07PCBS16242001.0022	AR6231624A	AR623AA	8/29/16 19:14	1624199999	1.00
9065	07PCBS16242001.0023	AR6831624B	AR683AA	8/29/16 19:25	1624199999	1.00
9065	07PCBS16242001.0024	AR2131624A	AR213AA	8/29/16 19:36	1624199999	1.00
9065	07PCBS16242001.0025	AR3231624B	AR323AA	8/29/16 19:48	1624199999	1.00
9065	07PCBS16242001.0026	AR4231624A	AR423AA	8/29/16 20:00	1624199999	1.00
9065	07PCBS16242001.0027	AR16XX1624B	AR16XAA	8/29/16 20:11	1624199999	1.00
9065	07PCBS16242001.0028	MD16X1624B	MD16XAA	8/29/16 20:22	1624199999	1.00
9065	07PCBS16242001.0029	IC16X1624B	IC16XAA	8/29/16 20:34	1624199999	1.00
9065	07PCBS16242001.0030	IC48X1624A	IC48XAA	8/29/16 20:45	1624199999	1.00
9065	07PCBS16242001.0031	IC54X1624A	IC54XAA	8/29/16 20:57	1624199999	1.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS16242025
Instrument CP 7--19843A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	07PCBS16242025.0001	CONDITIONER		9/25/16 17:58	1626899999	1.00
2855	07PCBS16242025.0002	CONDITIONER		9/25/16 18:09	1626899999	1.00
2855	07PCBS16242025.0003	CONDITIONER		9/25/16 18:20	1626899999	1.00
2855	07PCBS16242025.0004	CONDITIONER		9/25/16 18:32	1626899999	1.00
2855	07PCBS16242025.0005	AR1631624B	AR163GR	9/25/16 18:43	1626899999	1.00
2855	07PCBS16242025.0006	IBLKX1624B	PIBLKRX	9/25/16 18:55	1626899999	10.00
2855	07PCBS16242025.0007	8581275ACF DF10	-W54E	9/25/16 19:06	162650011A	100.00
2855	07PCBS16242025.0008	8581275ACF DF20	-W54E	9/25/16 19:18	162650011A	200.00
2855	07PCBS16242025.0009	BLANKA 9/24/16 ACF	PBLK01268	9/25/16 19:29	162680001A	10.00
2855	07PCBS16242025.0010	LCSA 9/24/16 ACF	LCS01268	9/25/16 19:40	162680001A	10.00
2855	07PCBS16242025.0011	8602611ACF	A9001	9/25/16 19:52	162680001A	10.00
2855	07PCBS16242025.0012	8602612ACF	A9002	9/25/16 20:03	162680001A	10.00
2855	07PCBS16242025.0013	8602613ACF	A9003	9/25/16 20:15	162680001A	10.00
2855	07PCBS16242025.0014	8585541ACF DF50	67A18	9/25/16 20:26	162680001A	500.00
2855	07PCBS16242025.0015	8585541ACF DF100	67A18	9/25/16 20:38	162680001A	1,000.00
2855	07PCBS16242025.0016	8585542ACF	67A19	9/25/16 20:49	162680001A	10.00
2855	07PCBS16242025.0017	AR1631624B	AR163GS	9/25/16 21:01	1626899999	1.00
2855	07PCBS16242025.0018	IBLKX1624B	PIBLKRY	9/25/16 21:12	1626899999	10.00
2855	07PCBS16242025.0019	8585543ACF DF20	67A20	9/25/16 21:24	162680001A	200.00
2855	07PCBS16242025.0020	8585543ACF DF50	67A20	9/25/16 21:35	162680001A	500.00
2855	07PCBS16242025.0021	8585558ACF DF20	A7001	9/25/16 21:46	162680001A	200.00
2855	07PCBS16242025.0022	8585559ACF DF5	A7002	9/25/16 21:58	162680001A	50.00
2855	07PCBS16242025.0023	8585560MSACF DF5	A7002	9/25/16 22:09	162680001A	50.00
2855	07PCBS16242025.0024	8585561MSDACF DF	A7002	9/25/16 22:20	162680001A	50.00
2855	07PCBS16242025.0025	8585562ACF DF10	A7003	9/25/16 22:32	162680001A	100.00
2855	07PCBS16242025.0026	8590063ACF	AWDR1	9/25/16 22:43	162680001A	10.00
2855	07PCBS16242025.0027	8590063ACF DF5	AWDR1	9/25/16 22:55	162680001A	50.00
2855	07PCBS16242025.0028	8590063ACF DF10	AWDR1	9/25/16 23:06	162680001A	100.00
2855	07PCBS16242025.0029	AR1631624B	AR163GT	9/25/16 23:17	1626899999	1.00
2855	07PCBS16242025.0030	IBLKX1624B	PIBLKRZ	9/25/16 23:29	1626899999	10.00
2855	07PCBS16242025.0031	8590064ACF DF20	AWDR2	9/25/16 23:40	162680001A	200.00
2855	07PCBS16242025.0032	8590065ACF DF50	AWDR3	9/25/16 23:52	162680001A	500.00
2855	07PCBS16242025.0033	8590065ACF DF100	AWDR3	9/26/16 0:03	162680001A	1,000.00
2855	07PCBS16242025.0034	8590066ACF DF50	AWDR4	9/26/16 0:14	162680001A	500.00
2855	07PCBS16242025.0035	8590066ACF DF100	AWDR4	9/26/16 0:26	162680001A	1,000.00
2855	07PCBS16242025.0036	8590067ACF	AWPEQ	9/26/16 0:37	162680001A	10.00
2855	07PCBS16242025.0037	8590067ACF DF5	AWPEQ	9/26/16 0:49	162680001A	50.00
2855	07PCBS16242025.0038	8590067ACF DF10	AWPEQ	9/26/16 1:00	162680001A	100.00
2855	07PCBS16242025.0039	BLANKA 9/23/16 AF	PBLK05267	9/26/16 1:11	162670005A	2.00
2855	07PCBS16242025.0040	LCSA 9/23/16 AF	LCS05267	9/26/16 1:23	162670005A	2.00
2855	07PCBS16242025.0041	AR1631624B	AR163GU	9/26/16 1:34	1626899999	1.00
2855	07PCBS16242025.0042	IBLKX1624B	PIBLKSA	9/26/16 1:45	1626899999	10.00
2855	07PCBS16242025.0043	LCSDA 9/23/16 AF	LCSD05267	9/26/16 1:57	162670005A	2.00
2855	07PCBS16242025.0044	8598821AF	367-1	9/26/16 2:08	162670005A	2.00
2855	07PCBS16242025.0045	BLANKA 9/23/16 CAF	PBLK27267	9/26/16 2:20	162670027A	10.00
2855	07PCBS16242025.0046	LCSA 9/23/16 CAF	LCS27267	9/26/16 2:31	162670027A	10.00
2855	07PCBS16242025.0047	LCSDA 9/23/16 CAF	LCSD27267	9/26/16 2:43	162670027A	10.00
2855	07PCBS16242025.0048	8596499CAF	40361	9/26/16 2:54	162670027A	10.00
2855	07PCBS16242025.0049	8596916CAF	12611	9/26/16 3:06	162670027A	10.00
2855	07PCBS16242025.0050	8599261CAF	35071	9/26/16 3:17	162670027A	10.00
2855	07PCBS16242025.0051	8599262CAF	35072	9/26/16 3:28	162670027A	10.00
2855	07PCBS16242025.0052	8599263CAF	35073	9/26/16 3:40	162670027A	10.00
2855	07PCBS16242025.0053	AR1631624B	AR163GV	9/26/16 3:51	1626899999	1.00
2855	07PCBS16242025.0054	IBLKX1624B	PIBLKSB	9/26/16 4:03	1626899999	10.00
2855	07PCBS16242025.0055	8599279CAF	18Q01	9/26/16 4:14	162670027A	10.00
2855	07PCBS16242025.0056	8599440CAF	31931	9/26/16 4:25	162670027A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	07PCBS16242025.0057	8599691CAF	667-1	9/26/16 4:37	162670027A	10.00
2855	07PCBS16242025.0058	BLANKA 9/23/16 AF	PBLK10267	9/26/16 4:48	162670010A	2.00
2855	07PCBS16242025.0059	LCSA 9/23/16 AF	LCS10267	9/26/16 5:00	162670010A	2.00
2855	07PCBS16242025.0060	LCSDA 9/23/16 AF	LCSD10267	9/26/16 5:11	162670010A	2.00
2855	07PCBS16242025.0061	8594767AF	LGP01	9/26/16 5:23	162670010A	2.00
2855	07PCBS16242025.0062	8594768AF	LGP02	9/26/16 5:34	162670010A	2.00
2855	07PCBS16242025.0063	8594769AF	LGP4D	9/26/16 5:46	162670010A	2.00
2855	07PCBS16242025.0064	8594770AF	LG101	9/26/16 5:57	162670010A	2.00
2855	07PCBS16242025.0065	AR1631624B	AR163GW	9/26/16 6:09	1626899999	1.00
2855	07PCBS16242025.0066	IBLKX1624B	PIBLKSC	9/26/16 6:20	1626899999	10.00
2855	07PCBS16242025.0067	8596390AF	A8710	9/26/16 6:31	162670010A	2.00
2855	07PCBS16242025.0068	BLANKA 9/23/16 AF	PBLK08267	9/26/16 6:43	162670008A	2.00
2855	07PCBS16242025.0069	LCSA 9/23/16 AF	LCS08267	9/26/16 6:54	162670008A	2.00
2855	07PCBS16242025.0070	LCSDA 9/23/16 AF	LCSD08267	9/26/16 7:05	162670008A	2.00
2855	07PCBS16242025.0071	8579634AF	CSM18	9/26/16 7:17	162670008A	2.00
2855	07PCBS16242025.0072	8579637AF	CSM21	9/26/16 7:28	162670008A	2.00
2855	07PCBS16242025.0073	8579640AF	CSM24	9/26/16 7:40	162670008A	2.00
2855	07PCBS16242025.0074	8579643AF	CSM27	9/26/16 7:51	162670008A	2.00
2855	07PCBS16242025.0075	8579646AF	CSM30	9/26/16 8:02	162670008A	2.00
2855	07PCBS16242025.0076	8588519AF	L38E4	9/26/16 8:14	162670008A	2.00
2855	07PCBS16242025.0077	AR1631624B	AR163GX	9/26/16 8:25	1626899999	1.00
2855	07PCBS16242025.0078	IBLKX1624B	PIBLKSD	9/26/16 8:37	1626899999	10.00
2855	07PCBS16242025.0079	8592866AF	LF-EB	9/26/16 8:48	162670008A	2.00
2855	07PCBS16242025.0080	AR1631624B	AR163GY	9/26/16 8:59	1626899999	1.00
2855	07PCBS16242025.0081	IBLKX1624B	PIBLKSE	9/26/16 9:11	1626899999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

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LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATD70

Fraction: Polychlorinated Biphenyls (PCBs)

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

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Data Summary

Sample Name: 8585558 ACF DF20 A7001 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.19 g Total Volume: 200 ml Analyst: 2855 SDG: ATD70 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 21:46:37
Instrument	19843A
Result file	07PCBS16242025.0021.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

%SSR(TCX) 98% (46 - 148) Conc: 28.02709
%SSR(DCB) 98% (49 - 139) Conc: 28.12973

Analysis Report (B)

Injected on	Sep 25, 2016 21:46:37
Instrument	19843B
Result file	07PCBS16242025B.0021.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

%SSR(TCX) 103% (46 - 148) Conc: 29.53275
%SSR(DCB) 111% (49 - 139) Conc: 31.88788

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.92	2.94	210140	28.02709
Decachlorobiphenyl	6.56	6.58	6.62	172055	28.12973

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.55	2.58	2.61	618755	29.53275
Decachlorobiphenyl	6.00	6.03	6.06	385312	31.88788

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	29.53275				5.23	
☑ Decachlorobiphenyl	B	31.88788				12.52	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.40**	
4.72	4.73	4.76	2177725	9391.506144			1
5.01	5.02	5.05	1501516	11408.28742			2
5.19	5.20	5.23	1957754	12030.440851			3
5.35	5.37	5.39	2467378	12275.856067			4
5.59	5.61	5.63	6874755	13667.330732			5
5.80	5.81	5.84	3836582	13001.958716			6

Height summation: **18815710**
Concentration CF: **11962.563322** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.35**	
4.24	4.26	4.28	8259364	11126.701187			1
4.38	4.40	4.42	10421390	12309.670313			2
4.48	4.50	4.52	7292408	11084.984347			3
4.82	4.84	4.86	6965758	13015.52512			4
5.01	5.03	5.05	18258680	15012.443037			5
5.27	5.29	5.31	10689150	14027.302547			6

Height summation: **61886750**
Concentration CF: **12762.771092** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<1000.9814	<194.3081			4	
☑ PCB-1221			<1000.9814	<300.2944			3	
☑ PCB-1232			<1000.9814	<241.4132			4	
☑ PCB-1242			<1000.9814	<241.4132			4	
☑ PCB-1248			<1000.9814	<194.3081			4	
☑ PCB-1254			<1000.9814	<259.0775			4	
☑ PCB-1260	B	12762.771092	1000.9814	229.6369		6.47	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 26 2016

Verified by: Valerie L. Tomczyko, Principal Specialist
Date: SEP 26 2016

9/26/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585558** ACF DF20 A7001 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.19 g Total Volume: 200 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 21:46:37
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0021.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 98% (46-148) Conc.: 28.02709
%SSR(DCB) : 98% (49-139) Conc.: 28.12973

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	58.14	
3.15	3.18	3.19	3436.332	28.806599			1
3.36	3.39	3.40	4657.711	39.340404			2
3.69	3.71	3.73	18781.58	108.944009			4
3.75	3.77	3.79	16397.94	118.457982			5
3.94	3.96	3.98	14673.44	145.160664			6
Height Summation:			57947.003				
Amount Avg CF:			88.141932	Linear:			
Aroclor-1221					2	40.17	
3.05	3.07	3.09	2231.737	36.570189			1
3.15	3.18	3.19	3436.332	20.39051			3
Height Summation:			5668.069				
Amount Avg CF:			28.48035	Linear:			
Aroclor-1232					5	71.09	
3.15	3.18	3.19	3436.332	22.317101			1
3.36	3.39	3.40	4657.711	79.469111			2
3.69	3.71	3.73	18781.58	212.667154			4
3.75	3.77	3.79	16397.94	255.429535			5
3.94	3.96	3.98	14673.44	337.790567			6
Height Summation:			57947.003				
Amount Avg CF:			181.534694	Linear:			
Aroclor-1242					5	59.22	
3.15	3.18	3.19	3436.332	38.07182			1
3.36	3.39	3.40	4657.711	52.684464			2
3.69	3.71	3.73	18781.58	145.331554			4
3.75	3.77	3.79	16397.94	167.327603			5
3.94	3.96	3.98	14673.44	198.95194			6
Height Summation:			57947.003				
Amount Avg CF:			120.473476	Linear:			
Aroclor-1248					6	203.56	
3.75	3.77	3.79	16397.94	217.316668			1
3.82	3.84	3.86	31106.13	239.189916			2
3.94	3.96	3.98	14673.44	101.775605			3
4.03	4.04	4.07	35126.69	300.339044			4
4.21	4.22	4.25	31117.08	244.91958			5
4.59	4.61	4.63	643358.9	6721.448315			6
Height Summation:			771780.18				
Amount Avg CF:			1304.164855	Linear:			
Aroclor-1254					6	132.43	
4.19	4.21	4.23	303992.1	2071.358507			1
+ 4.19	4.22	4.23	31117.08	212.027314			1
+ 4.53	4.55	4.57	53187.92	344.997915			2
4.53	4.56	4.57	162242.6	1052.369762			2
4.60	4.61	4.64	643358.9	2041.066143			3
E 4.72	4.73	4.76	2177725	22303.917491			4
4.81	4.82	4.85	396534.6	1776.538672			5
5.01	5.02	5.05	1501516	8355.449805			6
Height Summation:			5185369.2				
Amount Avg CF:			6266.783397	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 21:46:37
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0021.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 103% (46-148) Conc.: 29.53275
%SSR(DCB) : 111% (49-139) Conc.: 31.88788

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	74.36	
+ 3.16	3.16	3.20	8364.968	20.303057			2
3.16	3.19	3.20	19593.6	47.556665			2
+ 3.35	3.36	3.39	5170.712	12.375324			3
3.35	3.38	3.39	35082.92	83.96571			3
3.42	3.45	3.46	53548.49	117.621607			4
3.58	3.61	3.62	65935.77	181.431574			5
3.67	3.68	3.71	106365.3	338.402351			6
+ 3.67	3.69	3.71	50136.46	159.509689			6
Height Summation:			280526.08				
Amount Avg CF:			153.795581	Linear:			
Aroclor-1221					1		
+ 2.72	2.73	2.76	1076.193	5.588873			1
2.72	2.75	2.76	23385.28	121.444171			1
Height Summation:			23385.28				
Amount Avg CF:			121.444171	Linear:			
Aroclor-1232					5	75.78	
+ 3.16	3.16	3.20	8364.968	40.202246			2
3.16	3.19	3.20	19593.6	94.167332			2
+ 3.35	3.36	3.39	5170.712	24.88622			3
3.35	3.38	3.39	35082.92	168.851267			3
3.42	3.45	3.46	53548.49	256.55566			4
3.58	3.61	3.62	65935.77	424.616476			5
3.67	3.68	3.71	106365.3	733.554407			6
+ 3.67	3.69	3.71	50136.46	345.768979			6
Height Summation:			280526.08				
Amount Avg CF:			335.549028	Linear:			
Aroclor-1242					5	71.95	
+ 3.16	3.16	3.20	8364.968	27.319271			2
3.16	3.19	3.20	19593.6	63.991024			2
+ 3.35	3.36	3.39	5170.712	16.705089			3
3.35	3.38	3.39	35082.92	113.342864			3
3.42	3.45	3.46	53548.49	168.134838			4
3.58	3.61	3.62	65935.77	256.917018			5
3.67	3.68	3.71	106365.3	448.423658			6
+ 3.67	3.69	3.71	50136.46	211.369448			6
Height Summation:			280526.08				
Amount Avg CF:			210.16188	Linear:			
Aroclor-1248					6	163.24	
+ 3.35	3.36	3.39	5170.712	29.279448			1
3.35	3.38	3.39	35082.92	198.659008			1
3.46	3.48	3.50	116481.8	270.631564			2
3.58	3.61	3.62	65935.77	134.276364			3
3.67	3.68	3.71	106365.3	289.338686			4
+ 3.67	3.69	3.71	50136.46	136.382988			4
+ 3.80	3.81	3.84	40487.26	59.214629			5
3.80	3.82	3.84	1377008	2013.942597			5
+ 4.15	4.16	4.19	700339.3	2316.479765			6
+ 4.15	4.18	4.19	966350.3	3196.351991			6
4.15	4.19	4.19	2061955	6820.232755			6
Height Summation:			3762828.79				
Amount Avg CF:			1621.180162	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585558** ACF DF20 A7001 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.19 g Total Volume: 200 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 21:46:37
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0021.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	12.40	
4.72	4.73	4.76	2177725	9391.506144			1
5.01	5.02	5.05	1501516	11408.28742			2
5.19	5.20	5.23	1957754	12030.440851			3
5.35	5.37	5.39	2467378	12275.856067			4
5.59	5.61	5.63	6874755	13667.330732			5
5.80	5.81	5.84	3836582	13001.958716			6
Height Summation:			18815710				
Amount Avg CF:			11962.563322	Linear:			
Aroclor-1262					6	43.30	
E 5.19	5.20	5.23	1957754	6827.701167			1
E 5.35	5.37	5.39	2467378	9704.002971			2
E 5.59	5.61	5.63	6874755	10916.475498			3
E 5.80	5.81	5.84	3836582	10265.13475			4
5.85	5.86	5.89	323357.9	1792.328676			5
E 6.22	6.24	6.26	1717912	7199.616825			6
Height Summation:			17177738.9				
Amount Avg CF:			7784.209981	Linear:			
Aroclor-1268					6	167.39	
E 5.79	5.81	5.83	3836582	4879.983207			1
5.85	5.86	5.89	323357.9	481.145814			2
5.98	5.99	6.02	54257.31	82.511568			3
E 6.07	6.08	6.11	636746.9	30382.743434			4
E 6.22	6.24	6.26	1717912	6120.875081			5
6.42	6.43	6.46	322508.7	141.380429			6
Height Summation:			6891364.81				
Amount Avg CF:			7014.773256	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 21:46:37
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0021.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	128.78	
4.10	4.12	4.14	678964.2	1195.494065			1
+ 4.16	4.16	4.20	700339.3	704.709876			2
+ 4.16	4.18	4.20	966350.3	972.380958			2
4.16	4.19	4.20	2061955	2074.822949			2
4.25	4.26	4.29	8259364	17736.232529			3
4.31	4.33	4.35	964489.3	1590.516			4
E 4.38	4.40	4.42	10421390	30471.30212			5
4.53	4.55	4.57	1380395	3320.75274			6
Height Summation:			23766557.5				
Amount Avg CF:			9398.186734	Linear:			
Aroclor-1260					6	12.35	
4.24	4.26	4.28	8259364	11126.701187			1
4.38	4.40	4.42	10421390	12309.670313			2
4.48	4.50	4.52	7292408	11084.984347			3
4.82	4.84	4.86	6965758	13015.52512			4
5.01	5.03	5.05	18258680	15012.443037			5
5.27	5.29	5.31	10689150	14027.302547			6
Height Summation:			61886750				
Amount Avg CF:			12762.771092	Linear:			
Aroclor-1262					6	30.16	
E 4.64	4.65	4.68	5567504	6465.963407			1
E 4.82	4.84	4.86	6965758	8237.499193			2
E 5.01	5.03	5.05	18258680	11617.571469			3
E 5.23	5.24	5.27	2964560	5027.239507			4
E 5.27	5.29	5.31	10689150	10713.432316			5
E 5.65	5.67	5.69	3985362	7695.069961			6
Height Summation:			48431014				
Amount Avg CF:			8292.795976	Linear:			
Aroclor-1268					6	125.11	
5.23	5.24	5.27	2964560	1578.385235			1
E 5.27	5.29	5.31	10689150	5763.642865			2
5.42	5.44	5.46	139990.4	94.16712			3
5.49	5.51	5.53	67167.86	172.163617			4
E 5.65	5.67	5.69	3985362	6575.605872			5
5.85	5.87	5.89	730177.4	159.200956			6
Height Summation:			18576407.66				
Amount Avg CF:			2390.527611	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1000.9815	194.3082		** 54.27	4	40	
Aroclor-1221			1000.9815	300.2944		** 124.01	3	40	
Aroclor-1232			1000.9815	241.4132		** 59.57	4	40	
Aroclor-1242			1000.9815	241.4132		** 54.25	4	40	
Aroclor-1248			1000.9815	194.3082		21.67	4	40	
Aroclor-1254			1000.9815	259.0776	E	39.98	4	40	
Aroclor-1260			1000.9815	229.6369		6.47	4	40	
Aroclor-1262			1000.9815	194.3082	E	6.33	4	40	
Aroclor-1268			1000.9815	194.3082	E	** 98.33	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8585558ACF DF20 ACA7001 T 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 9:46:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.538		2059	2210
1.577		59874	71490
1.652		2367	1786
1.683		46211	44939
1.845		1791	1270
2.005		3856	10060
2.045		24238	23299
2.095		6513	8963
2.202		119215	91356
2.287		4359	2752
2.313		5231	5583
2.38		6554	10719
2.44		2168	2617
2.474		1688	1006
2.552		1391	1759
2.569		2167	2830
2.626		6039	3599
2.648		46634	32117
2.7		2319	3702
2.731		1919	1172
2.795		2108	1438
2.829		1596	1067
2.877		1768	1658
2.92	TCX	210140	144528
3.001		1893	2159
3.032		8116	6364
3.071		2232	1598
3.177		3436	3521
3.234		67289	73253
3.312		2006	4696
3.386		4658	3260
3.458		5428	16816
3.526		3694	5391
3.546		2211	1292
3.572		12089	8965
3.607		1991	2871
3.676		13223	16912
3.713		18782	15714
3.768		16398	16948
3.814		2148	1405
3.837		31106	22333
3.87		54309	50006
3.899		5243	5468
3.96		14673	10389
3.982		4361	3132
4.013		9897	6994
4.039		35127	43094
4.088		5661	4534
4.117		2648	1386
4.131		3941	2485
4.168		15626	11335
4.205		303992	233511
4.225		31117	16051

RT A	Compound A	Height A	Area A
4.249		60460	46584
4.315		104785	91216
4.358		507518	479307
4.392		120380	95540
4.432		12186	8313
4.454		18947	13116
4.495		169097	183715
4.549		53188	35642
4.564		162243	126866
4.611		643359	563293
4.654		850918	959654
4.693		209044	156923
4.731		2177725	2061867
4.776		40171	49047
4.822		396535	441372
4.853		21989	12815
4.878		477769	433850
4.931		3221486	3802118
4.979		501868	450390
5.024		1501516	1627972
5.066		40506	25994
5.104		276082	340263
5.139		4031061	4375442
5.201		1957754	1744422
5.244		1242401	1224415
5.366		2467378	3288316
5.424		1175469	1096441
5.464		617889	546530
5.504		104155	102969
5.549		760045	686903
5.577		18137	8484
5.605		6874755	6974164
5.695		14311	14698
5.727		8745	5852
5.774		3063	1563
5.811		3836583	3972075
5.849		387523	359543
5.864		323358	225253
5.994		54257	75744
6.031		1945	1078
6.059		86315	61675
6.082		636747	564143
6.2		2034	1488
6.237		1717912	1646505
6.281		96936	94607
6.435		322509	334265
6.52		2004	1430
6.578	DCB	172055	162150
6.603		9232	6013
6.655		6422	5524
6.723		702	882
6.755		889	923
6.788		1200	841
6.843		3832	3874
6.879		3921	4729
6.928		1145	1467
7.045		1972	3899
7.098		1287	2215
7.168		1037	134
7.247		1326	433
7.355		968	2102
7.558		1090	3329
7.674		1464	906
7.732		5477	9968
7.781		1270	1126
7.834		577	120

RT A	Compound A	Height A	Area A
7.903		1272	1081
7.927		1164	547
7.986		11486	22647
8.062		1147	222
8.081		1254	583
8.209		1568	6711
8.272		910	1246
8.358		1633	795
8.421		1241	1599
8.484		2251	2933
8.652		2579	3682

LANCASTER LABORATORIES

Sample Number: 8585558ACF DF20 ACA7001 T 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 9:46:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.557		4136	3405
1.612		1596	2485
1.652		3149	2211
1.736		5454	12692
1.769		53150	55992
1.847		7385	20418
1.896		13082	14319
1.927		299683	235660
1.963		13661	21827
2.004		4525	7756
2.081		10752	11960
2.129		4201	5344
2.177		2067	1013
2.202		4131	5649
2.248		2034	1589
2.277		8657	8707
2.33		140158	98843
2.394		881	790
2.428		2201	3238
2.457		4990	3892
2.507		1836	2133
2.578	TCX	618755	383551
2.669		3486	5920
2.733		1076	686
2.749		23385	13395
2.775		1778	969
2.873		107397	50244
2.883		61721	24648
2.96		617	704
2.972		2367	1367
2.993		3974	2223
3.066		20001	20039
3.138		11438	6673
3.163		8365	4605
3.187		19594	20981
3.223		43891	30607
3.269		6211	4124
3.284		3160	1439
3.312		1993	1359
3.341		38850	33898
3.362		5171	2128
3.38		35083	33322
3.449		53548	38538
3.483		116482	68829
3.506		207603	139999
3.539		31285	19156
3.576		3002	1446
3.607		65936	44423
3.628		28377	14204
3.649		48131	32062
3.677		106365	58034
3.693		50136	25378
3.731		39171	30299
3.778		88556	83489

3.806		40487	27014
3.823		1377008	878810
3.848		148981	82836
3.867		73388	37231
3.887		388178	247470
3.921		2052570	1379899
3.952		463461	289707
3.967		73441	31467
3.989		25610	13486
4.029		59436	54034
4.052		92492	59707
4.061		174211	84093
4.089		92141	73119
4.116		678964	466864
4.156		700339	504787
4.175		966350	498680
4.188		2061955	1082356
4.213		1237500	1188346
4.264		8259365	6035741
4.302		194785	187352
4.332		964489	618589
4.357		1776335	1338082
4.398		10421390	7997376
4.449		7272	4946
4.498		7292409	7186944
4.547		1380395	1187605
4.587		2280939	1908174
4.622		11220790	9418046
4.654		5567504	3839405
4.691		3748538	2887213
4.747		33357	19935
4.763		11277	5564
4.788		972449	688987
4.806		150228	79294
4.838		6965758	5218031
4.86		827164	503272
4.91		3681340	3246931
4.945		1838546	1448452
4.976		1396198	1074187
5.007		373159	229768
5.03		18258680	15191140
5.071		308408	220948
5.101		484816	377902
5.147		12063	7831
5.166		29569	20401
5.202		11271	9222
5.22		137840	78958
5.244		2964561	2371605
5.288		10689150	11562680
5.388		5851	8701
5.443		139990	118907
5.49		276051	210430
5.512		67168	38474
5.535		9418	4520
5.56		1764624	1477760
5.605		16556	12469
5.67		3985362	3347977
5.701		192167	141749
5.808		2745	6098
5.868		730177	633337
5.918		7357	5006
6.027	DCB	385312	348554
6.198		6610	4051
6.225		29508	29257
6.295		3169	3716
6.45		2564	2040
6.505		3399	4056

6.751	1689	2300
6.925	6586	11687
7.037	1623	1527
7.323	806	1526
7.352	2197	2554
7.43	13378	17081
7.952	1580	1781
8.251	3103	4078
8.606	1201	1987

8585558ACF DF20 ACA7001 T 162680001A 10225 SW-846 8082

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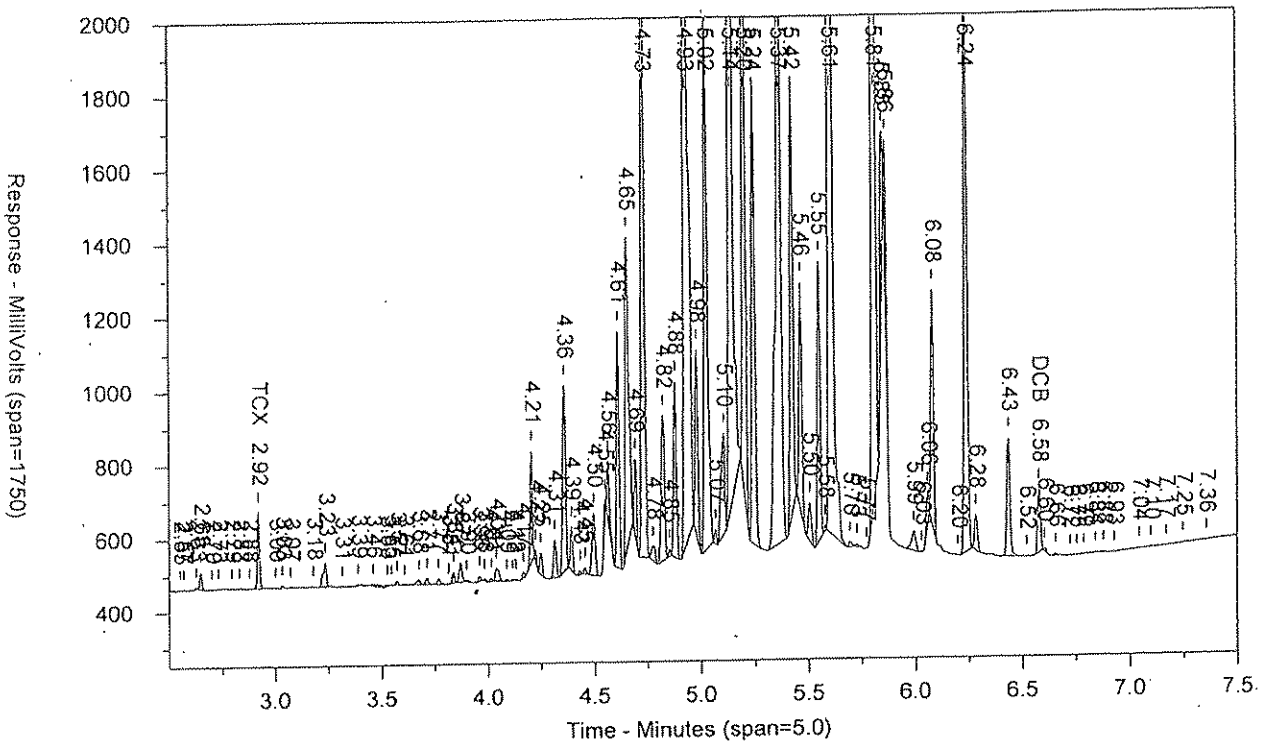

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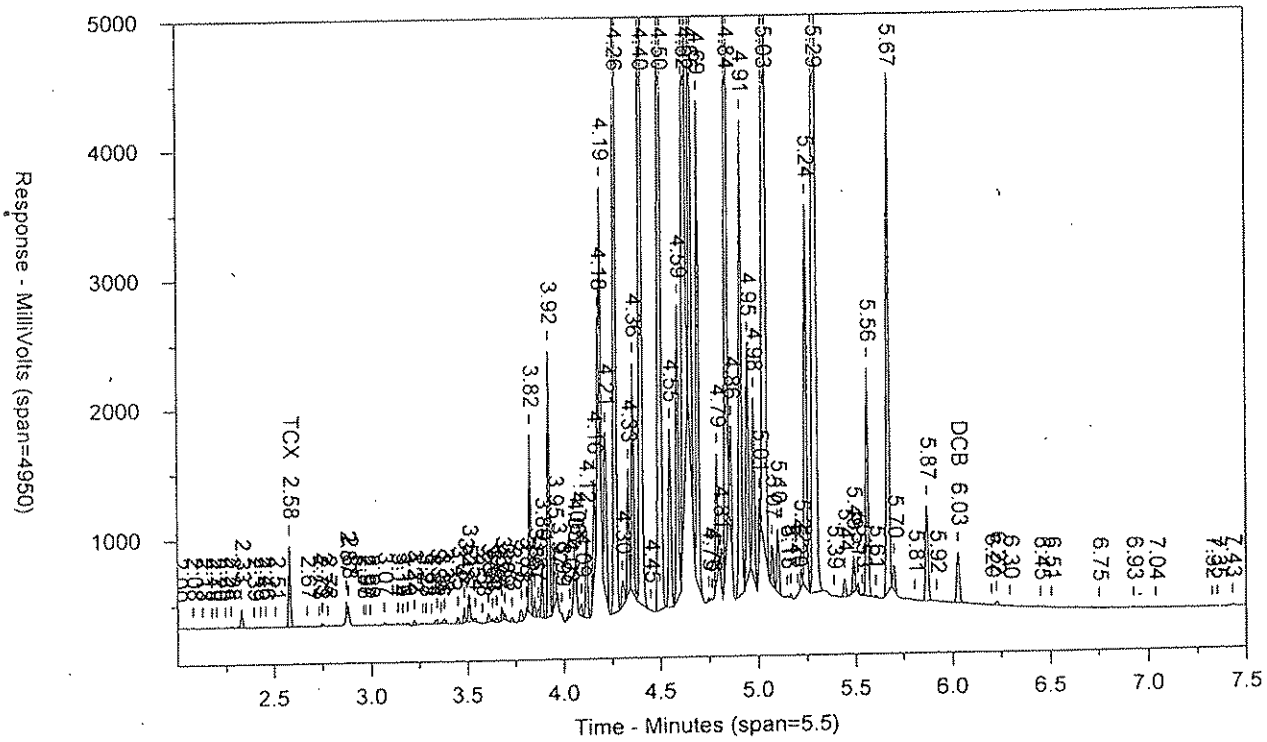

LANCASTER LABORATORIES

Sample Number: 8585558ACF DF20 ACA7001 T 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 9:46:37 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10.19
Dilution Factor: 200

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
2.92	210140	28.027	TCX	2.578	618755	29.533	TCX
6.578	172055	28.13	DCB	6.027	385312	31.888	DCB

Files:
Area File: 07pcbs16242025.0021.RAW
Area File: 07pcbs16242025B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 9:55:20 PM
File Reported On: 9/25/2016 at 9:55:30 PM

8585558ACF DF20 ACA7001 T 162680001A 10225 SW-846 8082

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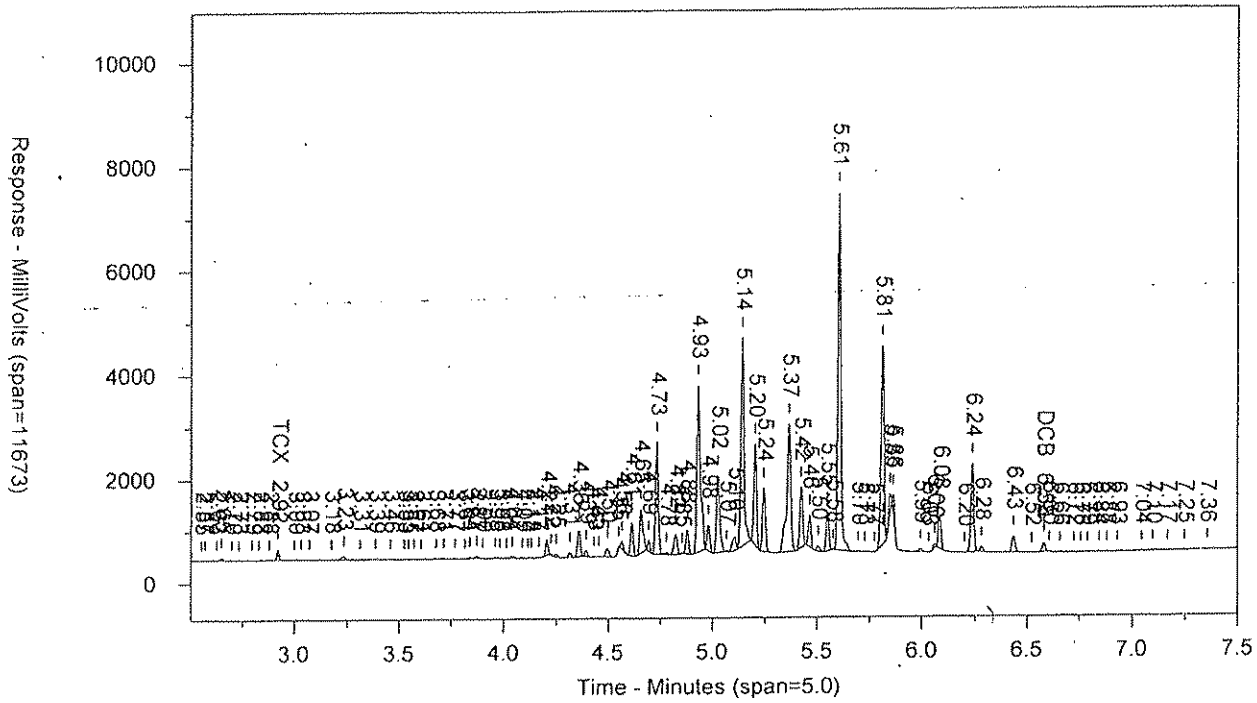

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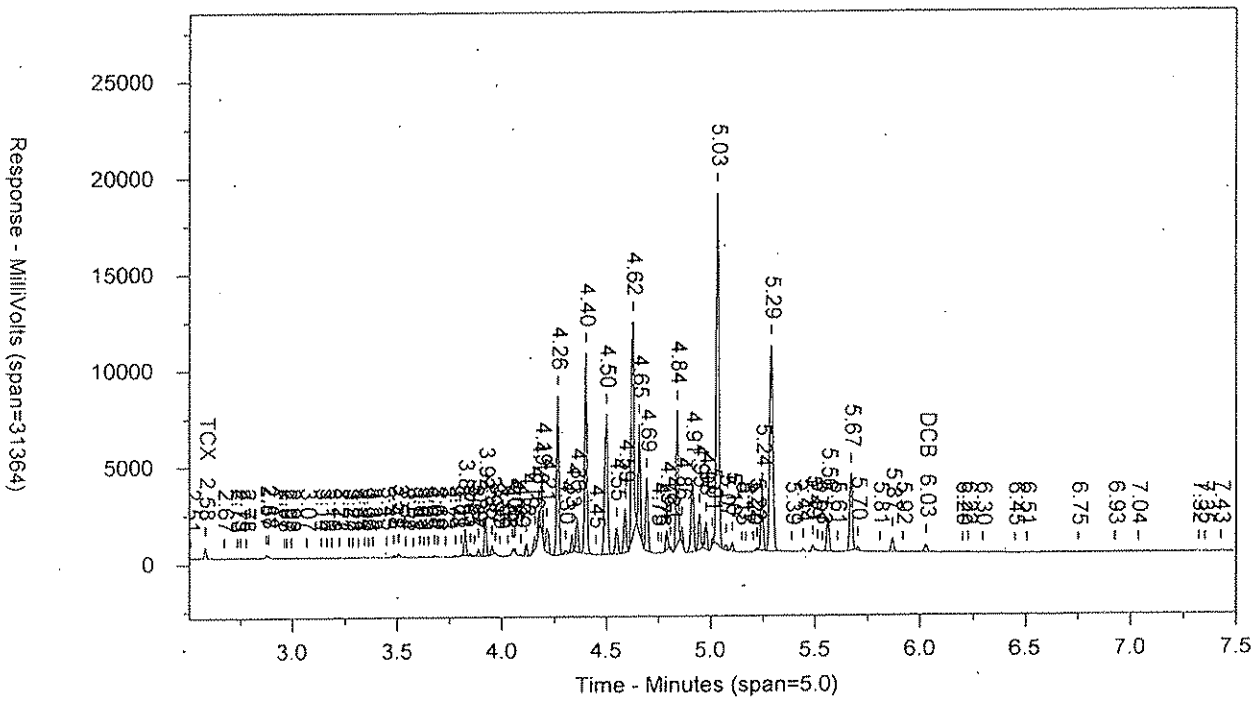

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Data Summary

Sample Name: 8585559 ACF DF5 A7002 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.28 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 21:58:07
Instrument	19843A
Result file	07PCBS16242025.0022.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

%SSR(TCX) 92% (46 - 148) Conc: 26.18049
%SSR(DCB) 87% (49 - 139) Conc: 24.80937

Analysis Report (B)

Injected on	Sep 25, 2016 21:58:07
Instrument	19843B
Result file	07PCBS16242025B.0022.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

%SSR(TCX) 100% (46 - 148) Conc: 28.37729
%SSR(DCB) 93% (49 - 139) Conc: 26.51012

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.92	2.94	792112	26.18049
Decachlorobiphenyl	6.56	6.58	6.62	612345	24.80937

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.55	2.58	2.61	2399192	28.37729
Decachlorobiphenyl	6.00	6.03	6.06	1292639	26.51012

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	28.37729				8.05	
☐ Decachlorobiphenyl	B	26.51012				6.63	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.03**	
4.72	4.73	4.76	648911.1	693.487267			1
5.01	5.03	5.05	652147	1227.883232			2
5.19	5:20	5.23	575493.4	876.364643			3
5.35	5.37	5.39	805964	993.694352			4
5.59	5.61	5.63	2258408	1112.627936			5
5.80	5.81	5.84	1285144	1079.287554			6

Height summation: **6226067.5**
Concentration CF: **997.224164** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.45**	
4.24	4.27	4.28	2584534	862.825847			1
4.38	4.40	4.42	3214514	940.92969			2
4.48	4.50	4.52	2229982	840.014071			3
4.82	4.84	4.86	2109589	976.814826			4
5.01	5.03	5.05	5714684	1164.381493			5
5.27	5.29	5.31	3434272	1116.829198			6

Height summation: **19287575**
Concentration CF: **983.632521** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016			<248.0545	<48.1517			4	
☐ PCB-1221			<248.0545	<74.4163			3	
☐ PCB-1232			<248.0545	<59.8249			4	
☐ PCB-1242			<248.0545	<59.8249			4	
☐ PCB-1248			<248.0545	<48.1517			4	
☐ PCB-1254			<248.0545	<64.2023			4	
☐ PCB-1260	A	997.224164	248.0545	56.9066		1.37	4	
☐ PCB-1262			<248.0545	<48.1517			4	
☐ PCB-1268			<248.0545	<48.1517			4	
☐ Total PCBs	A	997.224164	248.0545	48.1517				

Units: ug/kg

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

Valerie L. Tomczyk
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist

Date: SEP 26 2016

Verified by: SEP 26 2016

Date:

9/26/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585559** ACF DF5 A7002 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.28 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 21:58:07
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0022.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 92% (46-148) Conc.: 26.18049
%SSR(DCB) : 87% (49-139) Conc.: 24.80937

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	62.42	
3.15	3.18	3.19	3660.602	7.604496			1
3.36	3.39	3.40	4594.652	9.617008			2
3.48	3.48	3.52	19216.72	33.641801			3
3.69	3.71	3.73	16228.48	23.327605			4
3.75	3.77	3.79	12036.11	21.546774			5
3.94	3.96	3.98	19156.52	46.962878			6
Height Summation:			74893.084				
Amount Avg CF:			23.783427	Linear:			
Aroclor-1221					2	43.85	
3.10	3.12	3.14	2114.22	10.221332			2
3.15	3.18	3.19	3660.602	5.382779			3
Height Summation:			5774.822				
Amount Avg CF:			7.802056	Linear:			
Aroclor-1232					6	74.76	
3.15	3.18	3.19	3660.602	5.891369			1
3.36	3.39	3.40	4594.652	19.426722			2
3.48	3.48	3.52	19216.72	69.217296			3
3.69	3.71	3.73	16228.48	45.537294			4
3.75	3.77	3.79	12036.11	46.461053			5
3.94	3.96	3.98	19156.52	109.283167			6
Height Summation:			74893.084				
Amount Avg CF:			49.302817	Linear:			
Aroclor-1242					6	62.94	
3.15	3.18	3.19	3660.602	10.050372			1
3.36	3.39	3.40	4594.652	12.879047			2
3.48	3.48	3.52	19216.72	45.286259			3
3.69	3.71	3.73	16228.48	31.119078			4
3.75	3.77	3.79	12036.11	30.435856			5
3.94	3.96	3.98	19156.52	64.365616			6
Height Summation:			74893.084				
Amount Avg CF:			32.356038	Linear:			
Aroclor-1248					6	180.36	
3.75	3.77	3.79	12036.11	39.528558			1
3.82	3.84	3.86	27345.38	52.107702			2
3.94	3.96	3.98	19156.52	32.926794			3
4.03	4.05	4.07	28239.6	59.834847			4
4.21	4.23	4.25	66769.01	130.232892			5
4.59	4.61	4.63	426418.1	1103.992846			6
Height Summation:			579964.72				
Amount Avg CF:			236.437273	Linear:			
Aroclor-1254					6	93.59	
4.19	4.21	4.23	102269.9	172.68789			1
+ 4.19	4.23	4.23	66769.01	112.742845			1
4.53	4.55	4.57	121921.1	195.976237			2
4.60	4.61	4.64	426418.1	335.243583			3
4.72	4.73	4.76	648911.1	1646.965092			4
4.81	4.82	4.85	374422.3	415.696495			5
5.01	5.03	5.05	652147	899.303842			6
Height Summation:			2326089.5				
Amount Avg CF:			610.978857	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 21:58:07
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0022.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 100% (46-148) Conc.: 28.37729
%SSR(DCB) : 93% (49-139) Conc.: 26.51012

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	86.24	
2.83	2.84	2.87	1081.511	0.807914			1
3.16	3.19	3.20	21164.12	12.729708			2
3.35	3.38	3.39	33903.53	20.108155			3
3.42	3.45	3.46	39490.39	21.495739			4
3.58	3.61	3.62	69762.77	47.570376			5
+ 3.67	3.68	3.71	52333.73	41.26066			6
3.67	3.69	3.71	84812.34	66.86726			6
Height Summation:			250214.661				
Amount Avg CF:			28.263192	Linear:			
Aroclor-1221					3	94.33	
+ 2.72	2.73	2.76	1511.021	1.944579			1
2.72	2.75	2.76	11952.41	15.381924			1
2.78	2.81	2.82	3491.865	7.623069			2
2.83	2.84	2.87	1081.511	0.565395			3
Height Summation:			16525.786				
Amount Avg CF:			7.856796	Linear:			
Aroclor-1232					6	89.34	
2.83	2.84	2.87	1081.511	0.613848			1
3.16	3.19	3.20	21164.12	25.206197			2
3.35	3.38	3.39	33903.53	40.436596			3
3.42	3.45	3.46	39490.39	46.886398			4
3.58	3.61	3.62	69762.77	111.332139			5
+ 3.67	3.68	3.71	52333.73	89.440687			6
3.67	3.69	3.71	84812.34	144.948086			6
Height Summation:			250214.661				
Amount Avg CF:			61.570544	Linear:			
Aroclor-1242					6	84.93	
2.83	2.84	2.87	1081.511	1.04434			1
3.16	3.19	3.20	21164.12	17.128768			2
3.35	3.38	3.39	33903.53	27.143412			3
3.42	3.45	3.46	39490.39	30.7272			4
3.58	3.61	3.62	69762.77	67.36225			5
+ 3.67	3.68	3.71	52333.73	54.675318			6
3.67	3.69	3.71	84812.34	88.60713			6
Height Summation:			250214.661				
Amount Avg CF:			38.66885	Linear:			
Aroclor-1248					6	164.64	
3.35	3.38	3.39	33903.53	47.57497			1
3.46	3.48	3.50	98198.57	56.538804			2
3.58	3.61	3.62	69762.77	35.206535			3
+ 3.67	3.68	3.71	52333.73	35.278434			4
3.67	3.69	3.71	84812.34	57.172431			4
+ 3.80	3.80	3.84	77155.26	27.963868			5
3.80	3.82	3.84	678385.8	245.871647			5
4.15	4.18	4.19	1368605	1121.809758			6
Height Summation:			2333668.01				
Amount Avg CF:			260.695691	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585559** ACF DF5 A7002 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.28 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 21:58:07
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0022.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	19.03	
4.72	4.75	4.76	648911.1	693.487267			1
5.01	5.03	5.05	652147	1227.883232			2
5.19	5.20	5.23	575493.4	876.364643			3
5.35	5.37	5.39	805964	993.694352			4
5.59	5.61	5.63	2258408	1112.627936			5
5.80	5.81	5.84	1285144	1079.287554			6
Height Summation:			6226067.5				
Amount Avg CF:			997.224164	Linear:			
Aroclor-1262					6	28.35	
5.19	5.20	5.23	575493.4	497.367966			1
5.35	5.37	5.39	805964	785.510427			2
5.59	5.61	5.63	2258408	888.68674			3
5.80	5.81	5.84	1285144	852.104857			4
5.85	5.85	5.89	316312	434.481134			5
6.22	6.24	6.26	579201.9	601.533094			6
Height Summation:			5820523.3				
Amount Avg CF:			676.614037	Linear:			
Aroclor-1268					5	149.69	
5.79	5.81	5.83	1285144	405.085515			1
5.98	6.00	6.02	29329.94	11.05322			3
E 6.07	6.08	6.11	206574.8	2442.634945			4
6.22	6.24	6.26	579201.9	511.403456			5
6.42	6.44	6.46	119048.4	12.932798			6
Height Summation:			2219299.04				
Amount Avg CF:			676.621987	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 21:58:07
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0022.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	91.34	
4.10	4.12	4.14	522132.8	227.825642			1
4.16	4.18	4.20	1368605	341.272316			2
4.25	4.27	4.29	2584534	1375.365402			3
4.31	4.33	4.35	1101243	450.033525			4
4.38	4.40	4.42	3214514	2329.17309			5
4.53	4.55	4.57	1043614	622.148612			6
Height Summation:			9834642.8				
Amount Avg CF:			890.969765	Linear:			
Aroclor-1260					6	13.45	
4.24	4.27	4.28	2584534	862.825847			1
4.38	4.40	4.42	3214514	940.92969			2
4.48	4.50	4.52	2229982	840.014071			3
4.82	4.84	4.86	2109589	976.814826			4
5.01	5.03	5.05	5714684	1164.381493			5
5.27	5.29	5.31	3434272	1116.829198			6
Height Summation:			19287575				
Amount Avg CF:			983.632521	Linear:			
Aroclor-1262					6	31.24	
4.64	4.66	4.68	1561750	449.474748			1
4.82	4.84	4.86	2109589	618.224103			2
5.01	5.03	5.05	5714684	901.071543			3
5.23	5.24	5.27	978396.1	411.154571			4
5.27	5.29	5.31	3434272	852.984669			5
5.65	5.67	5.69	1324111	633.563674			6
Height Summation:			15122802.1				
Amount Avg CF:			644.412218	Linear:			
Aroclor-1268					6	120.20	
5.23	5.24	5.27	978396.1	129.088798			1
5.27	5.29	5.31	3434272	458.891125			2
5.42	5.44	5.46	88934.66	14.824947			3
5.49	5.51	5.53	51278.09	32.571127			4
5.65	5.67	5.69	1324111	541.39404			5
5.85	5.87	5.89	280929.6	15.178745			6
Height Summation:			6157921.45				
Amount Avg CF:			198.65813	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			248.0545	48.1518		17.21	4	40	
Aroclor-1221			248.0545	74.4163		0.70	3	40	
Aroclor-1232			248.0545	59.8249		22.13	4	40	
Aroclor-1242			248.0545	59.8249		17.78	4	40	
Aroclor-1248			248.0545	48.1518		9.76	4	40	
Aroclor-1254			248.0545	64.2023		37.28	4	40	
Aroclor-1260			248.0545	56.9066		1.37	4	40	
Aroclor-1262			248.0545	48.1518		4.88	4	40	
Aroclor-1268			248.0545	48.1518	E	** 109.21	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8585559ACF DF5 ACA7002 T 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 9:58:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.534		10854	11945
1.578		23536	54894
1.657		4547	4633
1.682		8504	11003
1.736		1567	662
1.786		957	675
1.888		1227	1525
1.997		9293	24533
2.045		17260	22958
2.1		13838	33964
2.203		21389	14277
2.287		2545	2487
2.313		28309	24703
2.391		7764	15271
2.453		5241	12862
2.493		3940	8589
2.627		2873	1638
2.648		16859	12329
2.703		2503	4343
2.731		2009	1447
2.757		1193	462
2.773		11484	12496
2.821		2452	1468
2.879		2278	2810
2.921	TCX	792112	528064
2.975		1631	836
3.036		3299	2368
3.118		2114	1891
3.18		3661	4478
3.224		12460	7163
3.387		4595	2903
3.404		2185	1342
3.453		924	767
3.479		19217	14557
3.521		2261	1597
3.546		1256	956
3.572		7491	6614
3.608		2797	1228
3.649		2528	1359
3.676		18008	17623
3.713		16228	12868
3.745		1828	904
3.769		12036	13369
3.815		2188	1478
3.837		27345	18826
3.87		25539	37318
3.959		19157	13833
3.984		8920	6059
4.014		10294	7417
4.048		28240	35159
4.09		6343	5300
4.134		3926	2464
4.171		8137	6171

RT A	Compound A	Height A	Area A
4.206		102270	74430
4.226		66769	40059
4.25		71687	54164
4.316		40671	35577
4.358		221148	217310
4.393		111830	92481
4.432		7663	5274
4.456		13937	9843
4.497		114426	113073
4.55		121921	122038
4.581		53144	34558
4.611		426418	368855
4.656		237401	268102
4.695		108397	83733
4.733		648911	636030
4.782		43448	43347
4.825		374422	373621
4.853		7926	4238
4.879		167032	148212
4.931		993081	1278100
4.981		150685	135692
5.025		652147	695215
5.067		40160	29110
5.104		112877	139559
5.14		1370471	1325682
5.163		42318	18759
5.203		575493	538076
5.246		397601	401929
5.367		805964	1191998
5.426		389799	357320
5.465		207241	191949
5.505		41830	42079
5.55		287117	264629
5.577		19075	10890
5.606		2258408	2236443
5.7		4632	4842
5.73		5194	5312
5.813		1285144	1323411
5.85		316312	645606
5.996		29330	37774
6.059		40013	29680
6.083		206575	186291
6.238		579202	570598
6.283		37363	34405
6.347		1379	594
6.435		119048	123095
6.492		2376	2158
6.58	DCB	612345	689356
6.751		1067	797
6.821		1677	1737
6.848		3206	3477
6.884		6084	6834
6.942		1701	1495
7.039		5222	7554
7.101		1714	1869
7.281		969	3234
7.339		1480	1843
7.414		1510	498
7.47		1218	861
7.581		1920	3405
7.62		1831	2198
7.65		1216	746
7.688		1373	567
7.732		38609	59296
7.822		1019	3009
7.869		733	1214

RT A	Compound A	Height A	Area A
7.882		2199	2322
7.934		1185	493
7.983		31852	55808
8.084		1301	2248
8.162		1564	3053
8.296		905	1868
8.317		1228	795
8.331		1390	958
8.433		1004	2620
8.559		2915	7117
8.647		5784	13966

LANCASTER LABORATORIES

Sample Number: 8585559ACF DF5 ACA7002 T 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 9:58:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.531		2130	2502
1.557		3539	3509
1.607		2791	2447
1.719		4975	6408
1.746		4146	3496
1.77		28189	27939
1.847		16148	41310
1.897		83252	70712
1.928		61426	51497
1.967		22140	51723
2.024		9065	11021
2.083		10270	9907
2.128		5040	7420
2.179		2648	3243
2.201		5129	5518
2.276		2484	2247
2.331		53839	39674
2.376		1759	1256
2.406		2128	1949
2.459		4837	6514
2.5		3427	1576
2.514		25378	18445
2.579	TCX	2399192	1449219
2.64		2594	1255
2.665		3584	5569
2.73		1511	2289
2.749		11952	6605
2.776		3082	4418
2.811		3492	2737
2.841		1082	693
2.873		24583	9733
2.884		71721	33073
2.909		2911	2648
2.971		2076	2886
3.03		1057	829
3.067		15059	12998
3.116		1249	762
3.146		44363	37441
3.186		21164	19684
3.224		26480	19861
3.269		6654	3696
3.287		19000	11340
3.315		1903	1271
3.342		60625	52336
3.378		33904	40462
3.41		3627	1998
3.449		39490	27358
3.484		98199	56685
3.507		117826	66146
3.523		30119	13216
3.54		9850	5390
3.578		2493	1209
3.608		69763	44788
3.629		39866	21060

3.65		44422	27506
3.678		52334	26520
3.694		84812	46001
3.733		31746	25299
3.78		35211	33067
3.804		77155	46840
3.825		678386	435981
3.849		228785	131683
3.868		53896	26436
3.888		157341	96696
3.922		789242	533976
3.953		464201	296444
3.968		51979	20440
4.029		61694	51241
4.062		346159	305511
4.09		40453	26878
4.117		522133	378210
4.15		346427	299539
4.176		1368605	1455369
4.213		382837	378611
4.265		2584535	1973123
4.302		167529	133767
4.333		1101243	735964
4.358		581656	414232
4.399		3214515	2539282
4.452		5298	3328
4.498		2229982	2318815
4.547		1043614	901819
4.588		820042	717844
4.623		4188224	3457643
4.655		1561751	1136898
4.693		1061924	868795
4.748		13385	7098
4.763		10939	6728
4.79		296410	199615
4.807		112513	60328
4.839		2109589	1570955
4.861		499682	335859
4.911		1218780	1061804
4.946		590685	486696
4.977		472964	373967
5.008		212890	131409
5.031		5714684	4853495
5.072		105661	74967
5.102		178754	144714
5.149		3840	2715
5.168		9804	6589
5.222		44115	27400
5.245		978396	821037
5.288		3434272	3795154
5.348		5787	5148
5.405		3178	1872
5.444		88935	74900
5.491		101796	76193
5.513		51278	34905
5.535		4651	2062
5.562		589804	510259
5.607		7745	7405
5.67		1324111	1159875
5.702		75612	55225
5.754		2347	2181
5.811		3246	3394
5.87		280930	245737
5.965		5018	5171
6.028	DCB	1292639	1217324
6.225		35495	34779
6.297		8925	9657

6.354	1221	1478
6.449	8678	8328
6.548	1270	1625
6.804	1614	1778
6.924	69504	85958
7.349	5343	15747
7.431	46165	59980
7.723	741	853
7.87	1330	1736
8.267	870	1484
8.386	1115	1922
8.426	950	1067
8.545	927	1167

8585559ACF DF5 ACA7002 T 162680001A 10225 SW-846 8082

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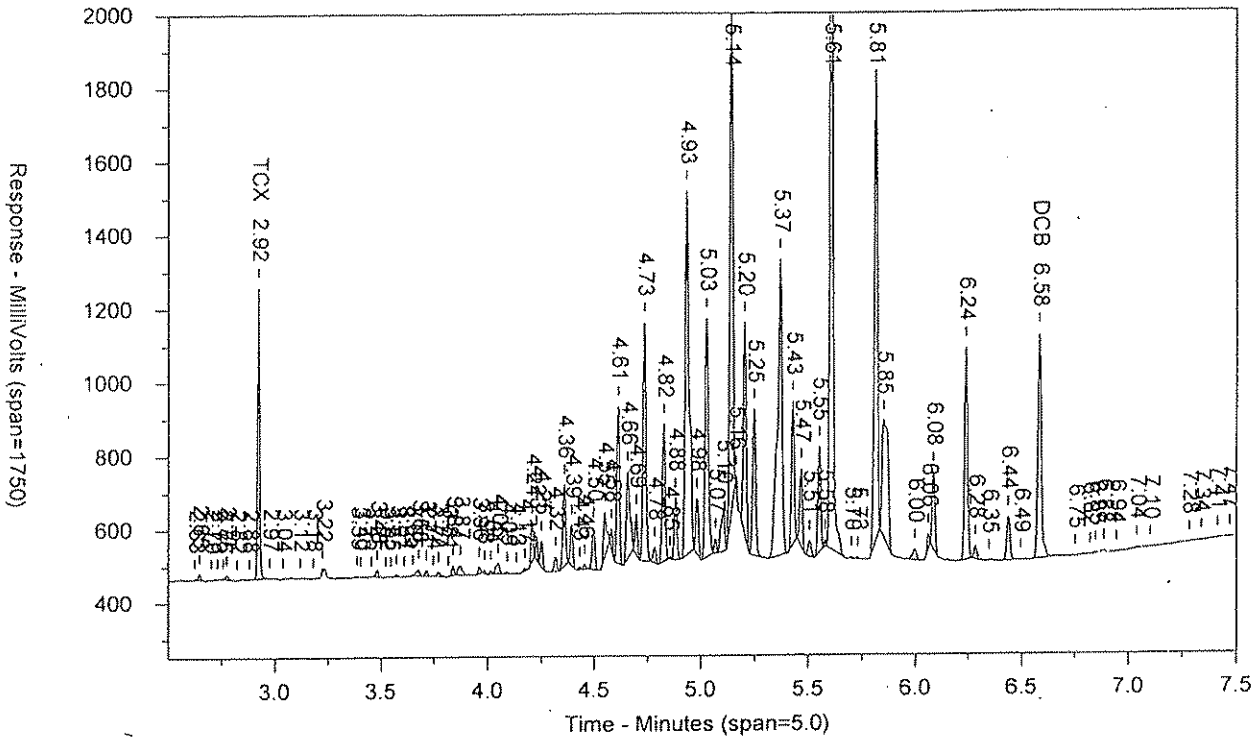

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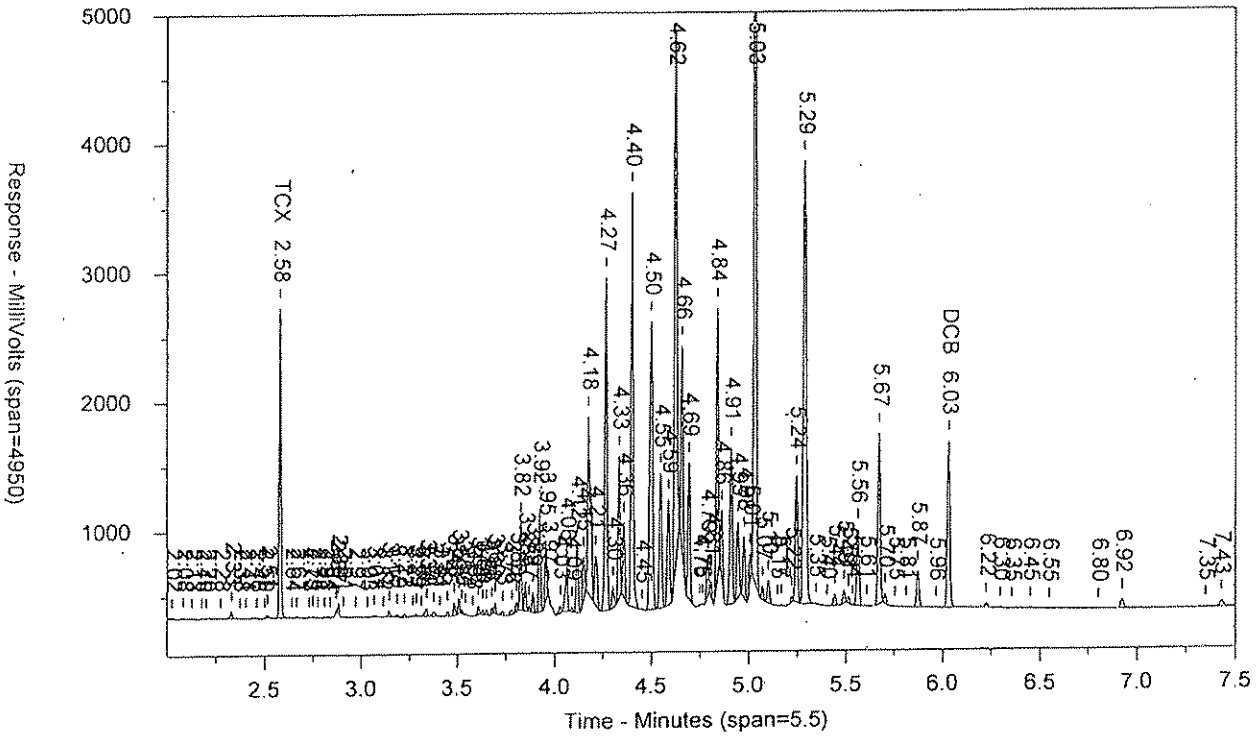

LANCASTER LABORATORIES

Sample Number: 8585559ACF DF5 ACA7002 T 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 9:58:07 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10.28
Dilution Factor: 50

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
2.921	792112	26.18	TCX	2.579	2399192	28.377	TCX
6.58	612345	24.809	DCB	6.028	1292639	26.51	DCB

Files:
Area File: 07pcbs16242025.0022.RAW
Area File: 07pcbs16242025B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBS8.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 10:06:50 PM
File Reported On: 9/25/2016 at 10:06:56 PM

8585559ACF DF5 ACA7002 T 162680001A 10225 SW-846 8082

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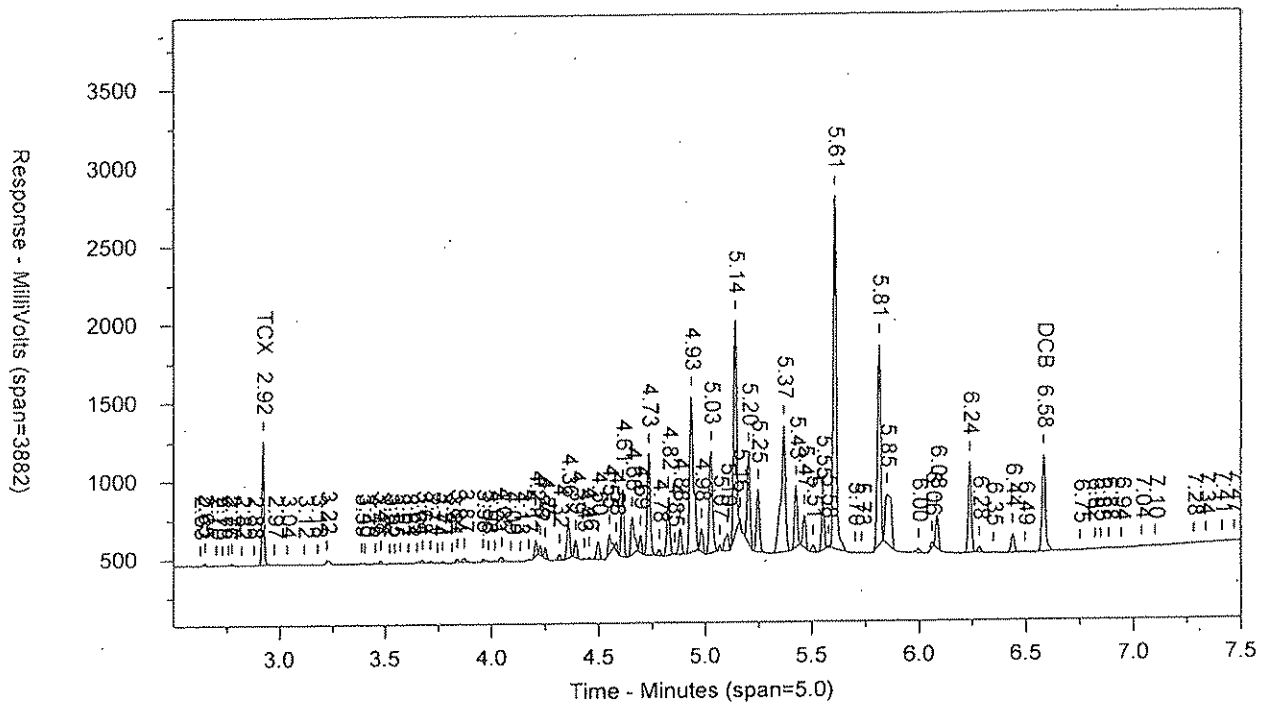

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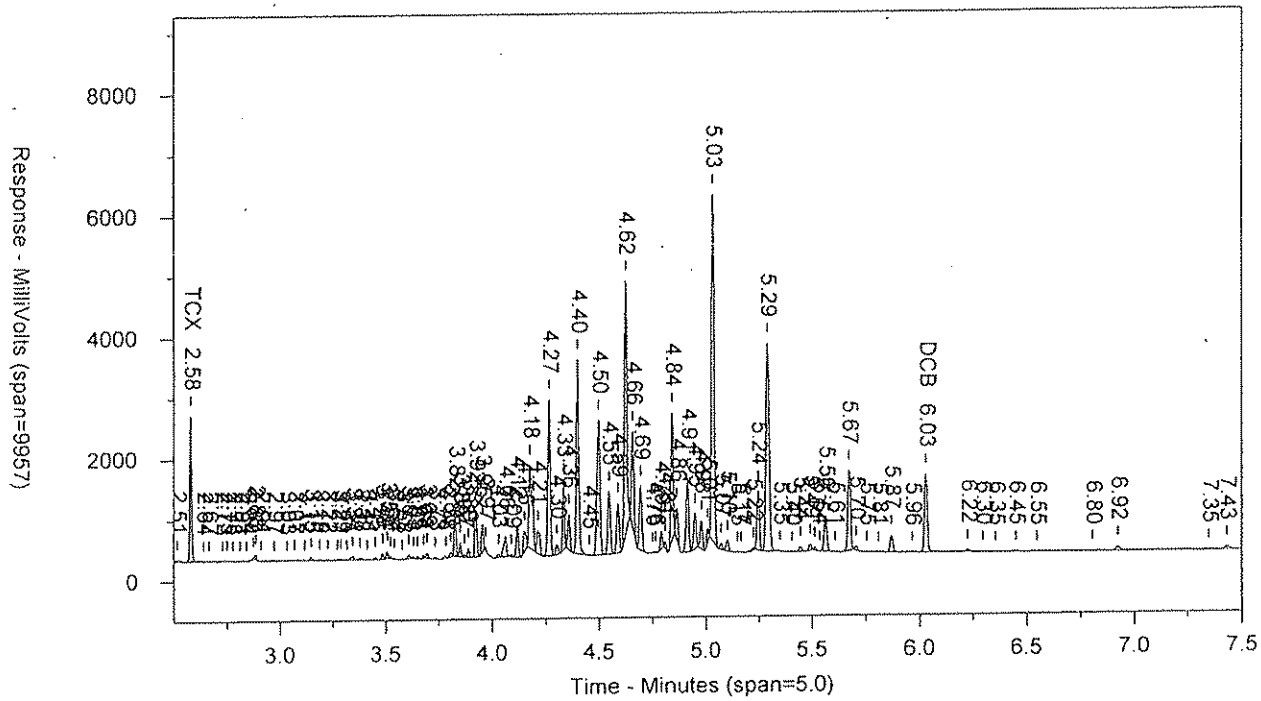

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Data Summary

Sample Name: 8585562 ACF DF10 A7003 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.14 g Total Volume: 100 ml Analyst: 2855 SDG: ATD70 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 22:32:12
Instrument	19843A
Result file	07PCBS16242025.0025.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

%SSR(TCX) 94% (46 - 148) Conc: 27.09338
%SSR(DCB) 96% (49 - 139) Conc: 27.66445

Analysis Report (B)

Injected on	Sep 25, 2016 22:32:12
Instrument	19843B
Result file	07PCBS16242025B.0025.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

%SSR(TCX) 101% (46 - 148) Conc: 29.18214
%SSR(DCB) 103% (49 - 139) Conc: 29.61247

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.92	2.94	404284	27.09338
Decachlorobiphenyl	6.56	6.58	6.62	336757	27.66445

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.55	2.58	2.61	1216819	29.18214
Decachlorobiphenyl	6.00	6.03	6.06	712123	29.61247

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	29.18214				7.42	
☑ Decachlorobiphenyl	B	29.61247				6.80	

Multiple Component Data

Aroclor-1260 (%RSD 17.74)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.72	4.73	4.76	347025.5	751.968818			1
5.01	5.02	5.05	341712	1304.538659			2
5.19	5.20	5.23	310190.8	957.764131			3
5.35	5.37	5.39	412365.6	1030.872043			4
5.59	5.61	5.63	1123512	1122.303784			5
5.80	5.81	5.84	658623.2	1121.521377			6

Height summation: **3193429.1**
Concentration CF: **1048.161469** L:

Aroclor-1260 (%RSD 11.97)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.24	4.27	4.28	1358066	919.278131			1
4.38	4.40	4.42	1750577	1038.98248			2
4.48	4.50	4.52	1209146	923.525948			3
4.82	4.84	4.86	1073923	1008.260351			4
5.01	5.03	5.05	2874314	1187.469432			5
5.27	5.29	5.31	1831097	1207.392787			6

Height summation: **10097123**
Concentration CF: **1047.484855** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<502.9586	<97.6331			4	
☑ PCB-1221			<502.9586	<150.8876			3	
☑ PCB-1232			<502.9586	<121.3018			4	
☑ PCB-1242			<502.9586	<121.3018			4	
☑ PCB-1248			<502.9586	<97.6331			4	
☑ PCB-1254			<502.9586	<130.1775			4	
☑ PCB-1260	A	1048.161469	502.9586	115.3846		0.06	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 26 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 26 2016

9/26/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585562** ACF DF10 A7003 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.14 g Total Volume: 100 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 22:32:12
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0025.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 94% (46-148) Conc.: 27.09338
%SSR(DCB) : 96% (49-139) Conc.: 27.66445

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	71.52	
3.15	3.18	3.19	2365.822	9.965181			1
3.36	3.39	3.40	3641.364	15.453847			2
3.48	3.50	3.52	2350.324	8.34282			3
3.69	3.71	3.73	9089.371	26.491789			4
3.75	3.77	3.79	7535.932	27.353836			5
3.94	3.96	3.98	10827.69	53.821903			6
Height Summation:			35810.503				
Amount Avg CF:			23.571563	Linear:			
Aroclor-1221					3	37.53	
3.05	3.07	3.09	1411.554	11.622189			1
3.10	3.12	3.14	1594.496	15.63025			2
3.15	3.18	3.19	2365.822	7.05377			3
Height Summation:			5371.872				
Amount Avg CF:			11.435403	Linear:			
Aroclor-1232					6	86.94	
3.15	3.18	3.19	2365.822	7.720243			1
3.36	3.39	3.40	3641.364	31.217358			2
3.48	3.50	3.52	2350.324	17.165176			3
3.69	3.71	3.73	9089.371	51.714027			4
3.75	3.77	3.79	7535.932	58.982751			5
3.94	3.96	3.98	10827.69	125.2442			6
Height Summation:			35810.503				
Amount Avg CF:			48.673959	Linear:			
Aroclor-1242					6	72.48	
3.15	3.18	3.19	2365.822	13.170335			1
3.36	3.39	3.40	3641.364	20.695711			2
3.48	3.50	3.52	2350.324	11.230525			3
3.69	3.71	3.73	9089.371	35.340107			4
3.75	3.77	3.79	7535.932	38.638611			5
3.94	3.96	3.98	10827.69	73.766348			6
Height Summation:			35810.503				
Amount Avg CF:			32.140273	Linear:			
Aroclor-1248					6	179.28	
3.75	3.77	3.79	7535.932	50.181882			1
+ 3.82	3.82	3.86	1562.568	6.03729			2
3.82	3.84	3.86	14824.91	57.278968			2
3.94	3.96	3.98	10827.69	37.735821			3
4.03	4.05	4.07	16452.26	70.681599			4
4.21	4.23	4.25	35904.72	141.998072			5
4.59	4.61	4.63	234504	1231.022635			6
Height Summation:			320049.512				
Amount Avg CF:			264.816496	Linear:			
Aroclor-1254					6	91.78	
4.19	4.21	4.23	57409.51	196.554526			1
+ 4.19	4.23	4.23	35904.72	122.927982			1
4.53	4.55	4.57	66325.63	216.167839			2
4.60	4.61	4.64	234504	373.818038			3
4.72	4.73	4.76	347025.5	1785.853112			4
4.81	4.82	4.85	213634.4	480.91796			5
5.01	5.02	5.05	341712	955.446412			6
Height Summation:			1260611.04				
Amount Avg CF:			668.126315	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 22:32:12
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0025.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 101% (46-148) Conc.: 29.18214
%SSR(DCB) : 103% (49-139) Conc.: 29.61247

GM

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	61.89	
+ 3.16	3.16	3.20	2890.081	3.524629			2
3.16	3.19	3.20	12645.26	15.421661			2
3.35	3.38	3.39	19778.35	23.784965			3
3.42	3.45	3.46	22817.79	25.183709			4
3.58	3.61	3.62	41291.22	57.089434			5
+ 3.67	3.68	3.71	28194.75	45.072109			6
3.67	3.69	3.71	43523.59	69.576783			6
Height Summation:			140056.21				
Amount Avg CF:			38.21131	Linear:			
Aroclor-1221					2	35.75	
2.72	2.75	2.76	6270.447	16.362092			1
2.78	2.81	2.82	2204.578	9.7585			2
Height Summation:			8475.025				
Amount Avg CF:			13.060296	Linear:			
Aroclor-1232					5	65.39	
+ 3.16	3.16	3.20	2890.081	6.979146			2
3.16	3.19	3.20	12645.26	30.536554			2
3.35	3.38	3.39	19778.35	47.830496			3
3.42	3.45	3.46	22817.79	54.93058			4
3.58	3.61	3.62	41291.22	133.610229			5
+ 3.67	3.68	3.71	28194.75	97.702762			6
3.67	3.69	3.71	43523.59	150.821517			6
Height Summation:			140056.21				
Amount Avg CF:			83.545875	Linear:			
Aroclor-1242					5	60.94	
+ 3.16	3.16	3.20	2890.081	4.74265			2
3.16	3.19	3.20	12645.26	20.75099			2
3.35	3.38	3.39	19778.35	32.106631			3
3.42	3.45	3.46	22817.79	35.998988			4
3.58	3.61	3.62	41291.22	80.841756			5
+ 3.67	3.68	3.71	28194.75	59.725945			6
3.67	3.69	3.71	43523.59	92.197574			6
Height Summation:			140056.21				
Amount Avg CF:			52.379188	Linear:			
Aroclor-1248					6	146.26	
3.35	3.38	3.39	19778.35	56.274134			1
3.46	3.48	3.50	51072.23	59.622671			2
3.58	3.61	3.62	41291.22	42.25153			3
+ 3.67	3.68	3.71	28194.75	38.537276			4
3.67	3.69	3.71	43523.59	59.489111			4
+ 3.80	3.80	3.84	43832.48	32.211645			5
3.80	3.83	3.84	372105.3	273.453013			5
4.15	4.18	4.19	542276.6	901.253804			6
+ 4.15	4.19	4.19	180499.4	299.986706			6
Height Summation:			1070047.29				
Amount Avg CF:			232.057377	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585562** ACF DF10 A7003 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.14 g Total Volume: 100 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 22:32:12
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0025.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	17.74	
4.72	4.74	4.76	347025.5	751.968818			1
5.01	5.02	5.05	341712	1304.538659			2
5.19	5.20	5.23	310190.8	957.764131			3
5.35	5.37	5.39	412365.6	1030.872043			4
5.59	5.61	5.63	1123512	1122.303784			5
5.80	5.81	5.84	658623.2	1121.521377			6
Height Summation:			3193429.1				
Amount Avg CF:			1048.161469	Linear:			
Aroclor-1262					6	42.81	
5.19	5.20	5.23	310190.8	543.565058			1
5.35	5.37	5.39	412365.6	814.899206			2
5.59	5.61	5.63	1123512	896.415108			3
5.80	5.81	5.84	658623.2	885.448747			4
+ 5.85	5.85	5.89	52295.86	145.649071			5
5.85	5.87	5.89	57750.09	160.839634			5
6.22	6.24	6.26	300836.9	633.498817			6
Height Summation:			2863278.59				
Amount Avg CF:			655.777762	Linear:			
Aroclor-1268					6	166.73	
5.79	5.81	5.83	658623.2	420.936999			1
5.85	5.87	5.89	57750.09	43.176967			2
5.98	5.99	6.02	16196.44	12.376059			3
E 6.07	6.08	6.11	110242.6	2643.113589			4
6.22	6.24	6.26	300836.9	538.579652			5
6.42	6.44	6.46	65161.73	14.353133			6
Height Summation:			1208810.96				
Amount Avg CF:			612.0894	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 22:32:12
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0025.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	94.23	
4.10	4.12	4.14	302150.8	267.319433			1
4.16	4.18	4.20	542276.6	274.175698			2
+ 4.16	4.19	4.20	180499.4	91.260713			2
4.25	4.27	4.29	1358066	1465.351716			3
4.31	4.33	4.35	583966.4	483.876712			4
4.38	4.40	4.42	1750577	2571.892523			5
4.53	4.55	4.57	580231.1	701.359039			6
Height Summation:			5117267.9				
Amount Avg CF:			960.66252	Linear:			
Aroclor-1260					6	11.97	
4.24	4.27	4.28	1358066	919.278131			1
4.38	4.40	4.42	1750577	1038.98248			2
4.48	4.50	4.52	1209146	923.525948			3
4.82	4.84	4.86	1073923	1008.260351			4
5.01	5.03	5.05	2874314	1187.469432			5
5.27	5.29	5.31	1831097	1207.392787			6
Height Summation:			10097123				
Amount Avg CF:			1047.484855	Linear:			
Aroclor-1262					6	29.47	
4.64	4.66	4.68	837115.6	488.499781			1
4.82	4.84	4.86	1073923	638.125911			2
5.01	5.03	5.05	2874314	918.938441			3
5.23	5.24	5.27	532145.8	453.425775			4
5.27	5.29	5.31	1831097	922.153127			5
5.65	5.67	5.69	734194.6	712.298806			6
Height Summation:			7882790				
Amount Avg CF:			688.906973	Linear:			
Aroclor-1268					6	120.59	
5.23	5.24	5.27	532145.8	142.360543			1
5.27	5.29	5.31	1831097	496.102569			2
5.42	5.44	5.46	46194.6	15.613436			3
5.49	5.51	5.53	28888.3	37.20558			4
5.65	5.67	5.69	734194.6	608.674935			5
5.85	5.87	5.89	149610	16.390196			6
Height Summation:			3322130.3				
Amount Avg CF:			219.39121	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			502.9585	97.6331		** 47.39	4	40	
Aroclor-1221			502.9585	150.8876		13.27	3	40	
Aroclor-1232			502.9585	121.3018		** 52.75	4	40	
Aroclor-1242			502.9585	121.3018		** 47.89	4	40	
Aroclor-1248			502.9585	97.6331		13.19	4	40	
Aroclor-1254			502.9585	130.1775		35.92	4	40	
Aroclor-1260			502.9585	115.3846		0.06	4	40	
Aroclor-1262			502.9585	97.6331		4.93	4	40	
Aroclor-1268			502.9585	97.6331	E	** 94.46	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8585562ACF DF10 ACA7003 T 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 10:32:12 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.537		2135	2218
1.578		10689	10665
1.683		3659	3977
1.75		1284	1472
1.839		1019	474
2.008		4679	11751
2.045		12979	18998
2.1		10601	39314
2.204		15500	18048
2.286		3478	5279
2.314		8145	9265
2.38		5667	10490
2.455		3310	8509
2.496		3603	7898
2.57		2848	2937
2.61		1349	1448
2.628		1981	1107
2.649		8364	6947
2.699		2103	3218
2.729		2086	2028
2.824		1538	439
2.88		1958	2144
2.921	TCX	404284	273906
3.007		2451	2892
3.037		2090	1569
3.073		1412	1085
3.118		1594	1069
3.176		2366	2272
3.223		13832	20627
3.305		1660	1533
3.388		3641	4156
3.468		2236	3549
3.5		2350	885
3.535		2314	4165
3.573		3765	3040
3.676		11775	13089
3.713		9089	7987
3.769		7536	7840
3.82		1563	1377
3.838		14825	10799
3.869		14669	20576
3.96		10828	7876
3.985		4485	2776
4.014		6255	4582
4.046		16452	19785
4.09		3612	3294
4.134		1979	1789
4.174		6818	5666
4.206		57410	40544
4.227		35905	22947
4.25		41264	30175
4.279		2151	1489
4.317		22026	19110

RT A	Compound A	Height A	Area A
4.359		124165	121429
4.393		64056	51734
4.432		3635	2731
4.457		8172	5916
4.497		67883	64639
4.55		66326	66448
4.581		31840	20104
4.611		234504	205326
4.656		118023	142987
4.695		60288	46482
4.733		347026	339067
4.783		24457	23512
4.825		213634	210866
4.854		5547	2660
4.88		83499	83204
4.932		542154	685156
4.981		82655	73466
5.024		341712	370432
5.068		22386	15821
5.104		63054	76869
5.141		735593	698906
5.163		18354	9047
5.202		310191	284231
5.246		211477	214743
5.369		412366	639190
5.426		212254	193838
5.465		113522	101944
5.506		22092	21720
5.551		154507	142838
5.577		11863	6668
5.606		1123513	1156530
5.699		2165	1490
5.773		1432	757
5.813		658623	688922
5.851		52296	53792
5.865		57750	41706
5.995		16196	19895
6.06		21684	16264
6.083		110243	97754
6.238		300837	302690
6.283		17994	18857
6.436		65162	68222
6.579	DCB	336757	361770
6.664		1107	1415
6.681		1076	450
6.747		957	1430
6.815		1062	811
6.852		1612	1634
6.875		3721	5424
7.019		1317	1417
7.054		1300	917
7.134		1651	1832
7.169		436	633
7.19		972	1014
7.203		1317	543
7.24		1534	1271
7.327		561	2511
7.371		1863	861
7.423		1048	1804
7.452		1492	1911
7.473		1608	717
7.526		1324	976
7.574		1183	1773
7.651		1098	2400
7.685		1075	816
7.732		7919	12018

RT A	Compound A	Height A	Area A
7.788		1278	717
7.822		1145	589
7.861		1910	2113
7.907		1447	2978
7.926		1045	489
7.989		9706	18740
8.023		1760	947
8.171		691	1507
8.291		1401	704
8.331		1034	1746
8.368		940	981
8.479		1833	2482
8.584		1512	1525
8.655		13304	47794

LANCASTER LABORATORIES

Sample Number: 8585562ACF DF10 ACA7003 T 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 10:32:12 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.532		1064	668
1.616		1509	3102
1.652		3234	6718
1.719		1773	1548
1.77		21418	18848
1.846		5052	10330
1.897		20394	17295
1.928		29431	23330
1.967		11567	19641
2.024		3094	1762
2.085		7635	8665
2.129		2605	3689
2.183		1093	1313
2.202		4650	4802
2.331		26406	19194
2.428		2057	3947
2.459		1598	1741
2.509		2861	4335
2.579	TCX	1216819	751464
2.669		3191	5338
2.75		6270	3545
2.813		2205	2636
2.874		8320	3672
2.884		32908	15222
2.909		1830	2179
2.975		1883	3339
3.029		1369	1186
3.067		8803	10455
3.139		3535	2205
3.164		2890	1785
3.187		12645	12157
3.225		16106	11896
3.269		4435	2499
3.284		1789	1098
3.342		37284	36342
3.378		19778	23736
3.449		22818	15659
3.484		51072	30712
3.507		64527	35438
3.524		17235	7579
3.54		5063	3201
3.578		1574	652
3.608		41291	28325
3.63		20850	10617
3.65		24765	14870
3.679		28195	14071
3.695		43524	23871
3.733		16828	13510
3.78		20454	18683
3.804		43832	26831
3.825		372105	239801
3.849		126391	72835
3.868		28095	13965
3.888		88426	56472

3.922		438349	297483
3.953		315268	321869
4.029		34181	29990
4.062		194519	172537
4.091		19589	13570
4.118		302151	216501
4.15		192800	168788
4.176		542277	306103
4.189		180499	83810
4.214		211006	205500
4.265		1358066	1054133
4.302		97885	75446
4.333		583966	413962
4.359		314211	223322
4.4		1750577	1413400
4.498		1209146	1224351
4.547		580231	493452
4.588		452180	393309
4.624		2182811	1831918
4.656		837116	618526
4.693		607129	484908
4.749		6065	3274
4.763		5938	3453
4.79		151570	104231
4.807		57689	33229
4.84		1073923	830265
4.862		300363	195093
4.911		642248	575225
4.946		330648	265249
4.977		254528	202668
5.008		111838	70466
5.032		2874315	2508081
5.072		57483	40240
5.102		98409	78798
5.168		5041	3620
5.221		24767	15046
5.244		532146	454419
5.289		1831097	2085025
5.444		46195	38939
5.491		52583	39449
5.513		28888	19188
5.561		326859	277555
5.606		3438	3119
5.67		734195	622326
5.702		37553	27839
5.87		149610	133794
5.964		1514	2246
6.029	DCB	712123	675111
6.227		13792	14991
6.301		2566	2997
6.451		2169	2245
6.508		2239	2581
6.926		11199	12773
7.075		897	834
7.315		949	1265
7.357		904	1386
7.435		10242	14682
7.519		1232	1840
7.874		1269	2285
7.977		1203	529
8.255		1815	2968

8585562ACF DF10 ACA7003 T 162680001A 10225 SW-846 8082

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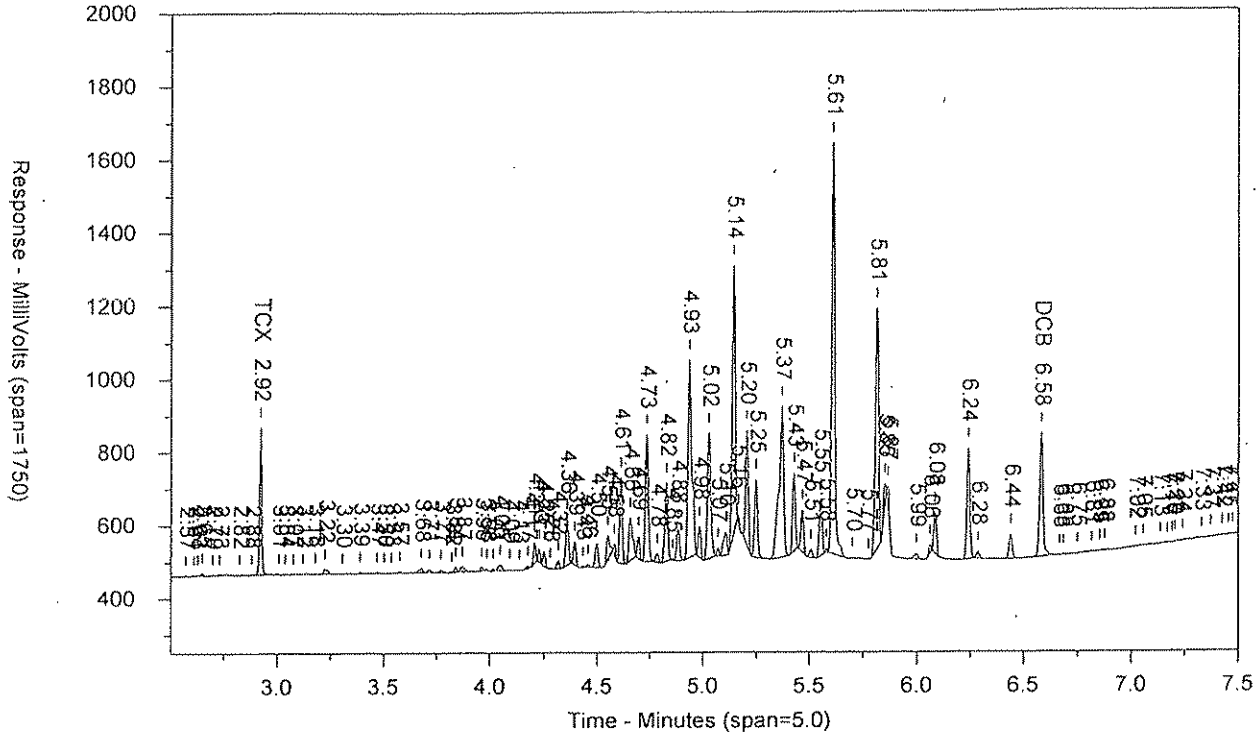

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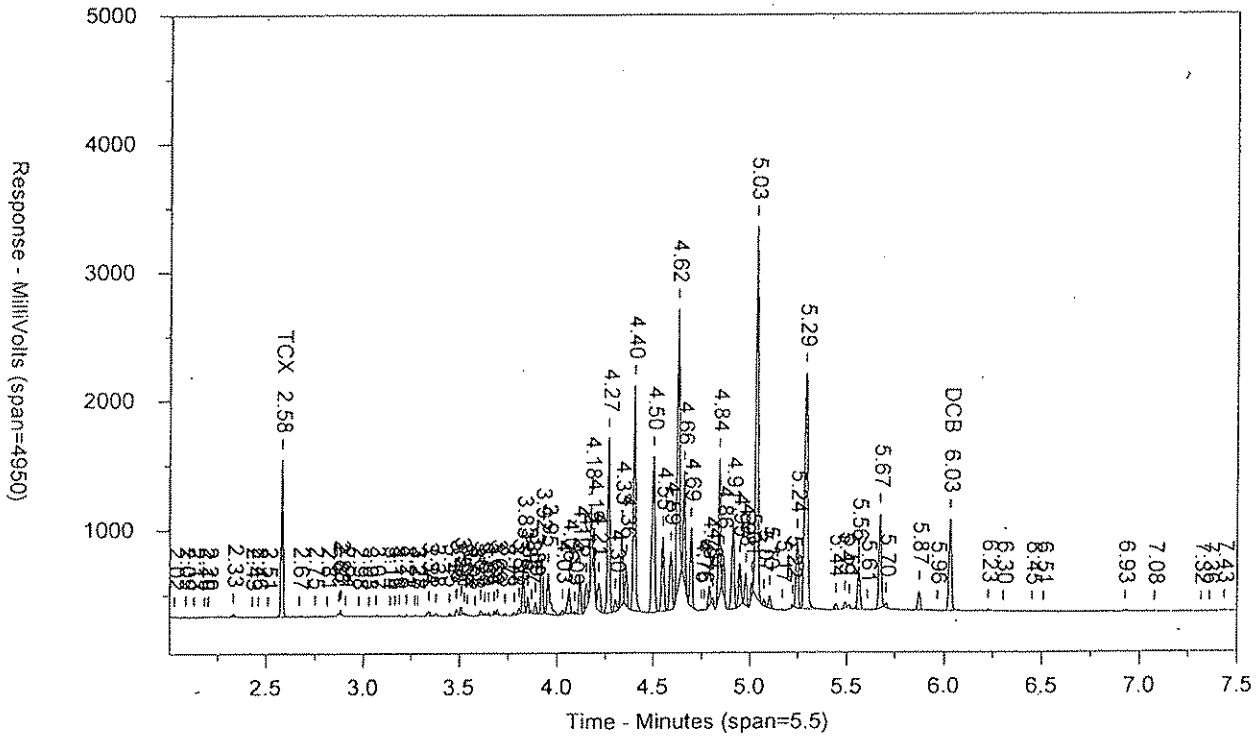

LANCASTER LABORATORIES

Sample Number: 8585562ACF DF10 ACA7003 T 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 10:32:12 PM
Sample Weight: 10.14
Instrument ID: CP7-19843A
Dilution Factor: 100
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 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
2.921	404284	27.093	TCX	2.579	1216819	29.182	TCX
6.579	336757	27.664	DCB	6.029	712123	29.612	DCB

Files:
Area File: 07pcbs16242025.0025.RAW
Area File: 07pcbs16242025B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 10:40:56 PM
File Reported On: 9/25/2016 at 10:41:06 PM

8585562ACF DF10 ACA7003 T 162680001A 10225 SW-846 8082

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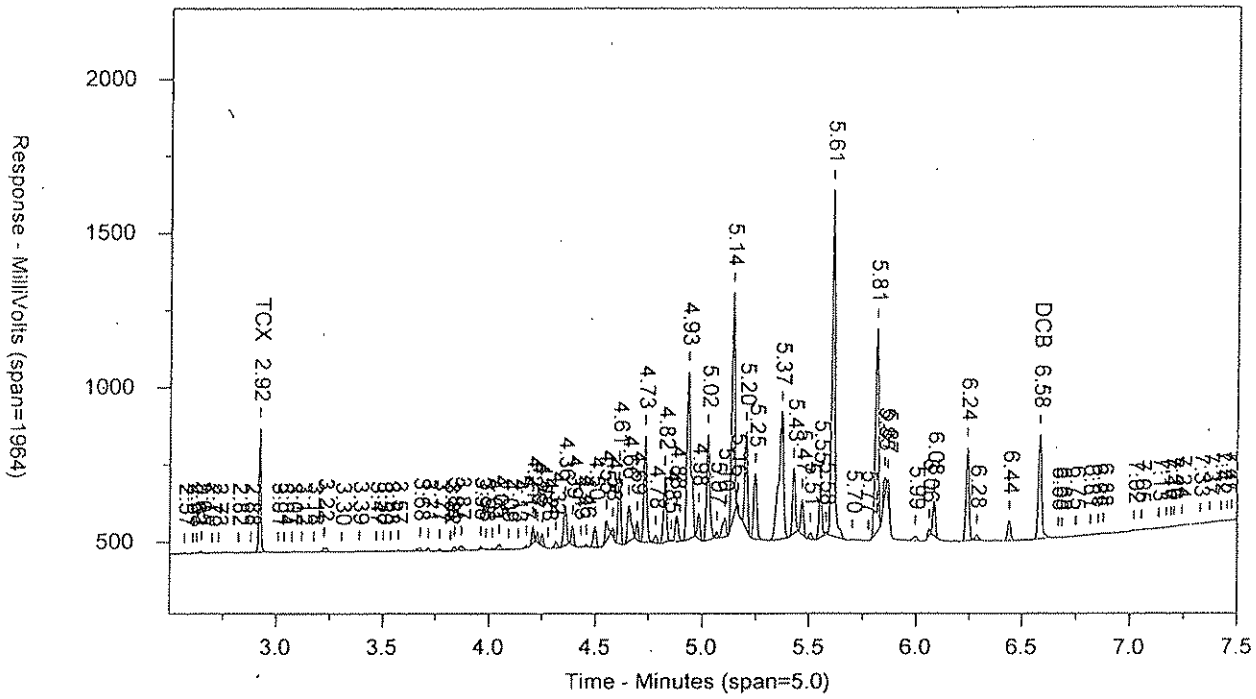

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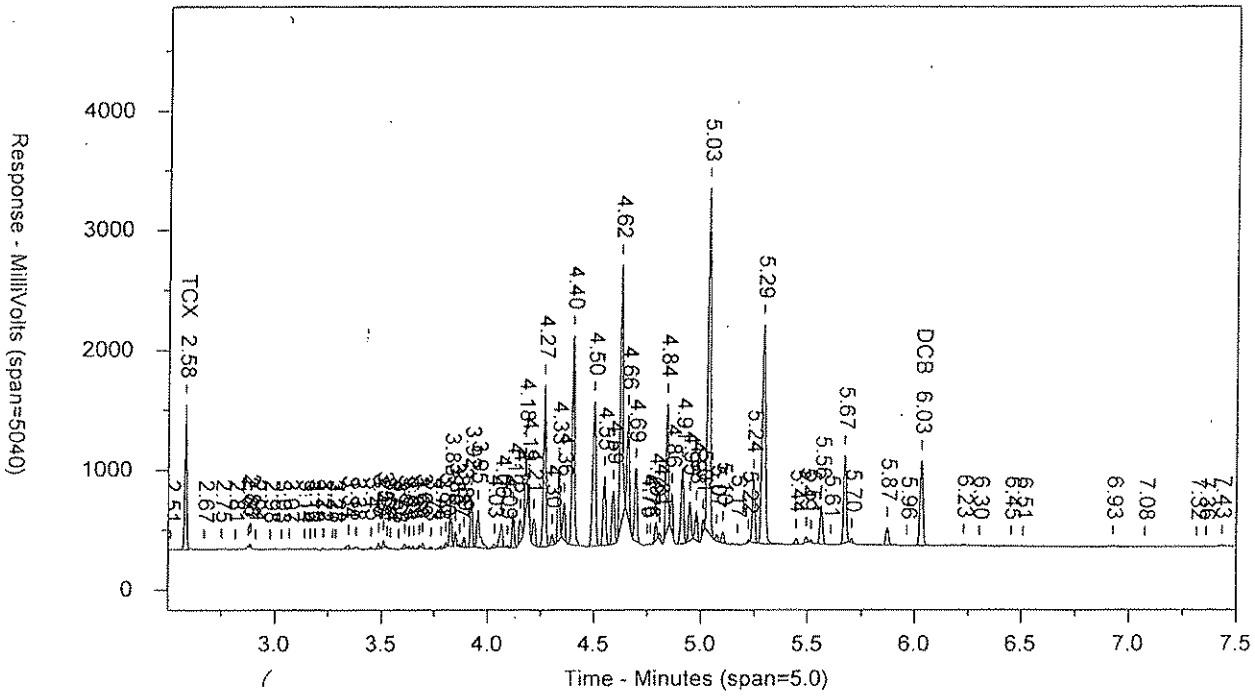

Standards Data

Polychlorinated Biphenyls (PCBs)

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs16242001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 31

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	
2	CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	
3	CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	
4	CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	
5	BLKX1624A	5	PIBLK	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1624199999	10736
6	EVALX1624A	6	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
7	AR1611624B	7	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	1	1624199999	10736
8	AR1621624B	8	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	2	1624199999	10736
9	AR1631624B	9	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	3	1624199999	10736
10	AR1641624B	10	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	4	1624199999	10736
11	AR1651624B	11	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	5	1624199999	10736
12	AR4811624A	12	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
13	AR4821624A	13	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
14	AR4831624A	14	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
15	AR4841624A	15	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
16	AR4851624A	16	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
17	AR5411624A	17	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
18	AR5421624B	18	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
19	AR5431624A	19	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
20	AR5441624A	20	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
21	AR5451624A	21	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
22	AR6231624A	22	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
23	AR6831624B	23	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
24	AR2131624A	24	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
25	AR3231624B	25	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
26	AR4231624A	26	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
27	AR16XX1624B	27	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
28	MD16X1624B	28	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
29	IC16X1624B	29	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
30	IC48X1624A	30	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736
31	IC54X1624A	31	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1624199999	10736

AUG 29 2016

Set-up by: 9065 Date: 8/29/16

8/29/2016

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs16242025.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 81

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	
2 CONDITIONER	2	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	
3 CONDITIONER	3	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	
4 CONDITIONER	4	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	
5 AR1631624B	5	CCAL	GR	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	10736
6 IBLKX1624B	6	PIBLK	RX	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1626899999	10736
7 8581275ACF DF10	7	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.35	100	1	0	162650011A	10225
8 8581275ACF DF20	8	T	AE	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.35	200	1	0	162650011A	10225
9 BLANKA 9/24/16 ACF	9	BLK	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	162680001A	10225
10 LCSA 9/24/16 ACF	10	LCS	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	162680001A	10225
11 8602611ACF	11	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.03	10	1	0	162680001A	10225
12 8602612ACF	12	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.37	10	1	0	162680001A	10225
13 8602613ACF	13	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.02	10	1	0	162680001A	10225
14 8585541ACF DF50	14	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.16	500	1	0	162680001A	10225
15 8585541ACF DF100	15	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.16	1000	1	0	162680001A	10225
16 8585542ACF	16	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.15	10	1	0	162680001A	10225
17 AR1631624B	17	CCAL	GS	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	10736
18 IBLKX1624B	18	PIBLK	RY	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1626899999	10736
19 8585543ACF DF20	19	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.39	200	1	0	162680001A	10225
20 8585543ACF DF50	20	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.39	500	1	0	162680001A	10225
21 8585558ACF DF20	21	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.19	200	1	0	162680001A	10225
22 8585559ACF DF5	22	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.28	50	1	0	162680001A	10225
23 8585560MSACF DF5	23	MS	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.44	50	1	0	162680001A	10225
24 8585561MSDACF DF5	24	MSD	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.17	50	1	0	162680001A	10225
25 8585562ACF DF10	25	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.14	100	1	0	162680001A	10225
26 8590063ACF	26	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.35	10	1	0	162680001A	10225
27 8590063ACF DF5	27	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.35	50	1	0	162680001A	10225
28 8590063ACF DF10	28	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.35	100	1	0	162680001A	10225
29 AR1631624B	29	CCAL	GT	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	10736
30 IBLKX1624B	30	PIBLK	RZ	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1626899999	10736
31 8590064ACF DF20	31	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.36	200	1	0	162680001A	10225
32 8590065ACF DF50	32	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.31	500	1	0	162680001A	10225
33 8590065ACF DF100	33	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.31	1000	1	0	162680001A	10225
34 8590066ACF DF50	34	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.12	500	1	0	162680001A	10225
35 8590066ACF DF100	35	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.12	1000	1	0	162680001A	10225
36 8590067ACF	36	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.13	10	1	0	162680001A	10225
37 8590067ACF DF5	37	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.13	50	1	0	162680001A	10225
38 8590067ACF DF10	38	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.13	100	1	0	162680001A	10225
39 BLANKA 9/23/16 AF	39	BLK	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162670005A	06030
40 LCSA 9/23/16 AF	40	LCS	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162670005A	06030
41 AR1631624B	41	CCAL	GU	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	10736
42 IBLKX1624B	42	PIBLK	SA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1626899999	10736
43 LCSDA 9/23/16 AF	43	LCSD	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162670005A	06030
44 8598821AF	44	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	162670005A	06030
45 BLANKA 9/23/16 CAF	45	BLK	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	162670027A	06030
46 LCSA 9/23/16 CAF	46	LCS	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	162670027A	06030
47 LCSDA 9/23/16 CAF	47	LCSD	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	162670027A	06030
48 8596499CAF	48	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	858	10	1	0	162670027A	06030
49 8596916CAF	49	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	964	10	1	0	162670027A	06030
50 8599261CAF	50	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	957	10	1	0	162670027A	06030

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs16242025.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 81

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 8599262CAF	51	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	972	10	1	0	162670027A	06030
52 8599263CAF	52	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	968	10	1	0	162670027A	06030
53 AR1631624B	53	CCAL	GV	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	10736
54 IBLKX1624B	54	PIBLK	SB	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1626899999	10736
55 8599279CAF	55	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	968	10	1	0	162670027A	06030
56 8599440CAF	56	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	921	10	1	0	162670027A	06030
57 8599691CAF	57	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	615	10	1	0	162670027A	06030
58 BLANKA 9/23/16 AF	58	BLK	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162670010A	10227
59 LCSA 9/23/16 AF	59	LCS	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162670010A	10227
60 LCSDA 9/23/16 AF	60	LCSD	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162670010A	10227
61 8594767AF	61	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	244	2	1	0	162670010A	10227
62 8594768AF	62	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	162670010A	10227
63 8594769AF	63	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	243	2	1	0	162670010A	10227
64 8594770AF	64	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	162670010A	10227
65 AR1631624B	65	CCAL	GW	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	10736
66 IBLKX1624B	66	PIBLK	SC	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1626899999	10736
67 8596390AF	67	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	162670010A	10227
68 BLANKA 9/23/16 AF	68	BLK	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162670008A	10591
69 LCSA 9/23/16 AF	69	LCS	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162670008A	10591
70 LCSDA 9/23/16 AF	70	LCSD	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162670008A	10591
71 8579634AF	71	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	162670008A	10591
72 8579637AF	72	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	162670008A	10591
73 8579640AF	73	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	244	2	1	0	162670008A	10591
74 8579643AF	74	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	245	2	1	0	162670008A	10591
75 8579646AF	75	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	162670008A	10591
76 8588519AF	76	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	162670008A	10591
77 AR1631624B	77	CCAL	GX	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	10736
78 IBLKX1624B	78	PIBLK	SD	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1626899999	10736
79 8592866AF	79	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	162670008A	10591
80 AR1631624B	80	CCAL	GY	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1626899999	10736
81 IBLKX1624B	81	PIBLK	SE	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1626899999	10736

QOC
9/26/16

Set-up by: 2885 Date: 25 sept 16
9/25/2016

LANCASTER LABORATORIES

Sample Number: IBLKX1624A AAPIBLKAA PIBLK1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:00:10 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.544		5199	14491
1.72		2473	1824
1.76		2158	3865
1.832		1386	2339
1.869		1458	743
1.982		7839	12905
2.012		3444	4876
2.092		14837	33211
2.136		7443	19160
2.212		19219	30292
2.304		25021	21617
2.324		10555	11171
2.369		10861	22122
2.419		12413	10020
2.453		8677	15198
2.542		1968	1320
2.616		1254	816
2.645		2488	1584
2.68		1321	1248
2.724		1449	1613
2.766		5866	8418
2.817		2616	1519
2.839		2656	2599
2.867		1481	762
2.914	TCX	3037749	2013216
3.002		1374	1099
3.09		1123	2007
3.113		38210	25964
3.182		3653	4870
3.242		7615	5890
3.392		2357	3096
3.461		1205	850
3.477		2916	2910
3.51		1272	837
3.555		7272	6539
3.609		1799	2740
3.653		6056	7183
3.771		3518	8255
3.824		3685	8226
3.989		1124	401
4.028		1484	1094
4.158		1518	2431
4.178		4233	4493
4.281		3532	2935
4.384		2019	3156
4.515		1539	5114
4.554		1423	919
4.666		1063	757
4.83		2375	2452
4.862		7123	5894
4.93		1355	1184
5.021		1931	2280
5.102		13653	13858

RT A	Compound A	Height A	Area A
5.142		2105	1212
5.183		1899	2977
5.282		1518	1910
5.374		1571	1518
5.416		2170	1830
5.443		6550	7829
5.511		14079	15425
5.634		25475	26609
5.852		2586	8853
5.931		1290	3030
6.003		35829	36340
6.069		37065	33559
6.09		5650	3322
6.167		1759	2748
6.223		1124	433
6.285		2004	2142
6.419		970	3940
6.446		25133	24539
6.514		1362	651
6.591	DCB	2477366	2739107
6.758		1467	730
6.825		1716	1346
6.845		1027	541
6.892		6266	12413
7.044		2914	3589
7.089		1192	613
7.122		1721	1918
7.152		1340	853
7.206		1440	1743
7.262		1343	1627
7.312		1399	1369
7.392		1519	763
7.421		1800	1062
7.499		1622	949
7.522		1331	940
7.577		1247	1969
7.647		3012	4080
7.699		964	423
7.752		1146	1264
7.775		1495	430
7.836		1354	964
7.855		1205	492
7.964		1368	843
8.067		1310	2237
8.177		1766	1804
8.356		1741	3153
8.394		2448	5744
8.498		4997	9068
8.572		2021	2313

LANCASTER LABORATORIES

Sample Number: IBLKX1624A AAPIBLKAA PIBLK1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:00:10 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.513		3737	6027
1.551		5826	4066
1.579		1697	995
1.62		3913	4469
1.676		4318	11451
1.736		7642	12214
1.843		12410	42777
1.886		77627	79865
1.915		15583	24741
1.959		31874	90065
2.013		30232	53730
2.072		9697	18832
2.117		4556	8898
2.167		3652	4245
2.193		8831	9207
2.232		1642	3914
2.315		2429	2676
2.367		5306	9807
2.429		2133	1859
2.456		2729	3457
2.504		15174	14255
2.568	TCX	8501138	5122113
2.732		3427	2277
2.765		1183	1167
2.784		102491	60772
2.813		2071	1625
2.9		18311	11379
3.041		1102	2267
3.074		4107	4719
3.11		1811	3287
3.14		5314	4047
3.184		1301	1397
3.243		20690	13721
3.281		12216	7578
3.307		1997	1360
3.333		5445	6971
3.365		7099	7442
3.407		4010	2880
3.51		3272	3487
3.551		2548	3835
3.635		2925	3707
3.671		4228	10256
3.782		2075	3075
3.812		1051	541
3.889		13797	20884
4.018		8647	7507
4.077		1010	448
4.093		3495	2647
4.173		4182	9446
4.309		1020	992
4.375		22219	25071
4.463		1795	6945
4.496		1696	2269
4.552		1569	1213

4.598		40256	34239
4.672		1058	1067
4.773		3221	12721
4.907		2644	2676
4.952		855	595
4.984		32081	26040
5.038		1938	3739
5.105		64640	60894
5.248		791	571
5.288		3302	2731
5.379		980	6335
5.449		85733	76119
5.516		109251	93136
5.565		26653	23844
5.789		902	1867
5.827		2047	2336
5.874		51883	45776
6.034	DCB	4842917	4498602
6.221		1355	1267
6.308		1557	2951
6.491		3912	8880
6.736		1474	1483
7.063		935	1226
7.254		2775	6625
7.359		1398	6826
7.525		1698	2355
8.415		3151	10714
8.562		988	826

IBLKX1624A AAPIBLKAA PIBLK1624199999 10736 SW-846 8082

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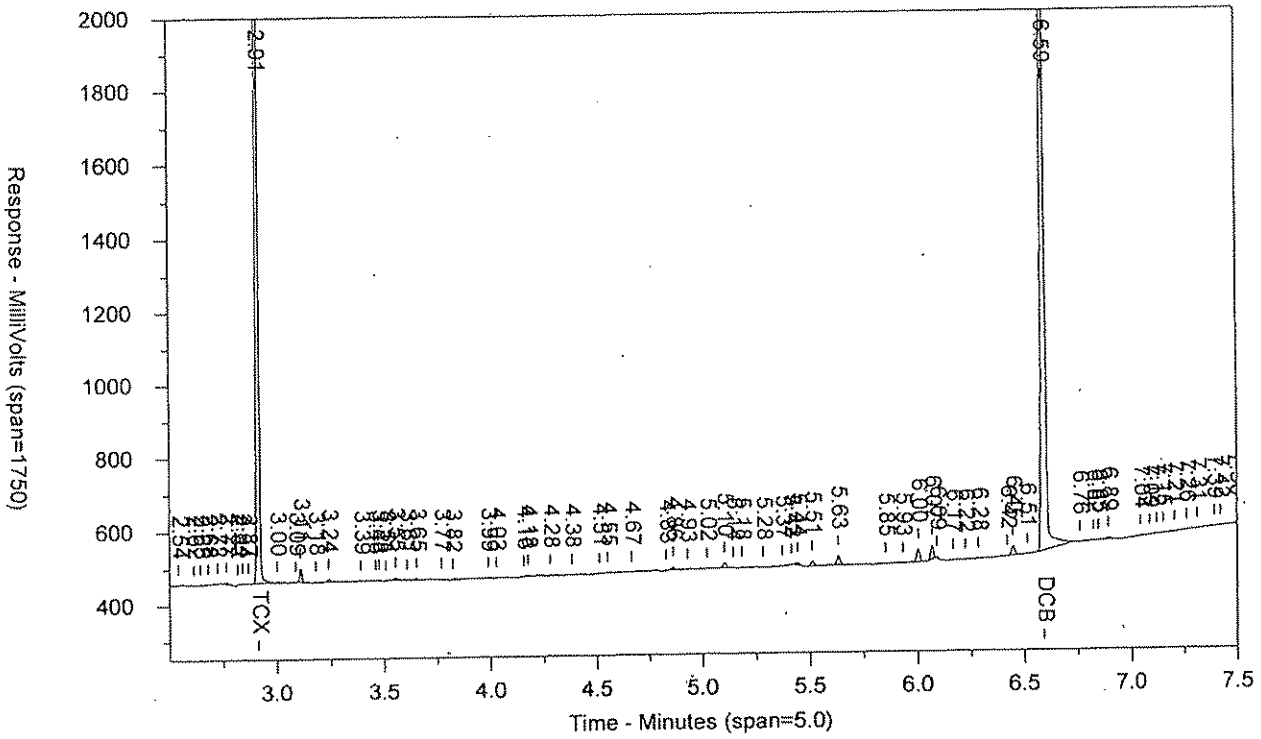

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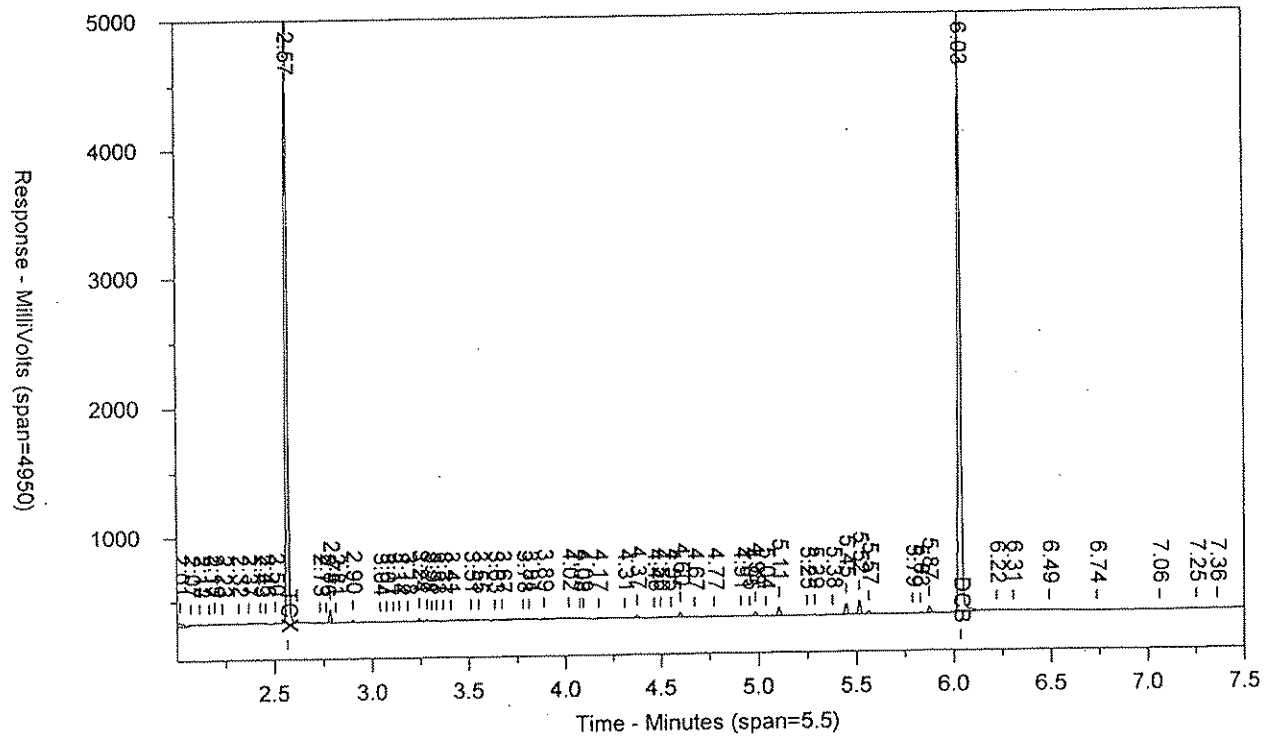

LANCASTER LABORATORIES

Sample Number: IBLKX1624A AAPIBLKAA PIBLK1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:00:10 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	3037749	.206	TCX	2.568	8501138	.207	TCX
6.591	2477366	.206	DCB	6.034	4842917	.204	DCB

Files:
Area File: 07pcbs16242001.0005.RAW
Area File: 07pcbs16242001B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 4:08:52 PM
File Reported On: 8/29/2016 at 6:52:18 PM

IBLKX1624A AAPIBLKAA PIBLK1624199999 10736 SW-846 8082

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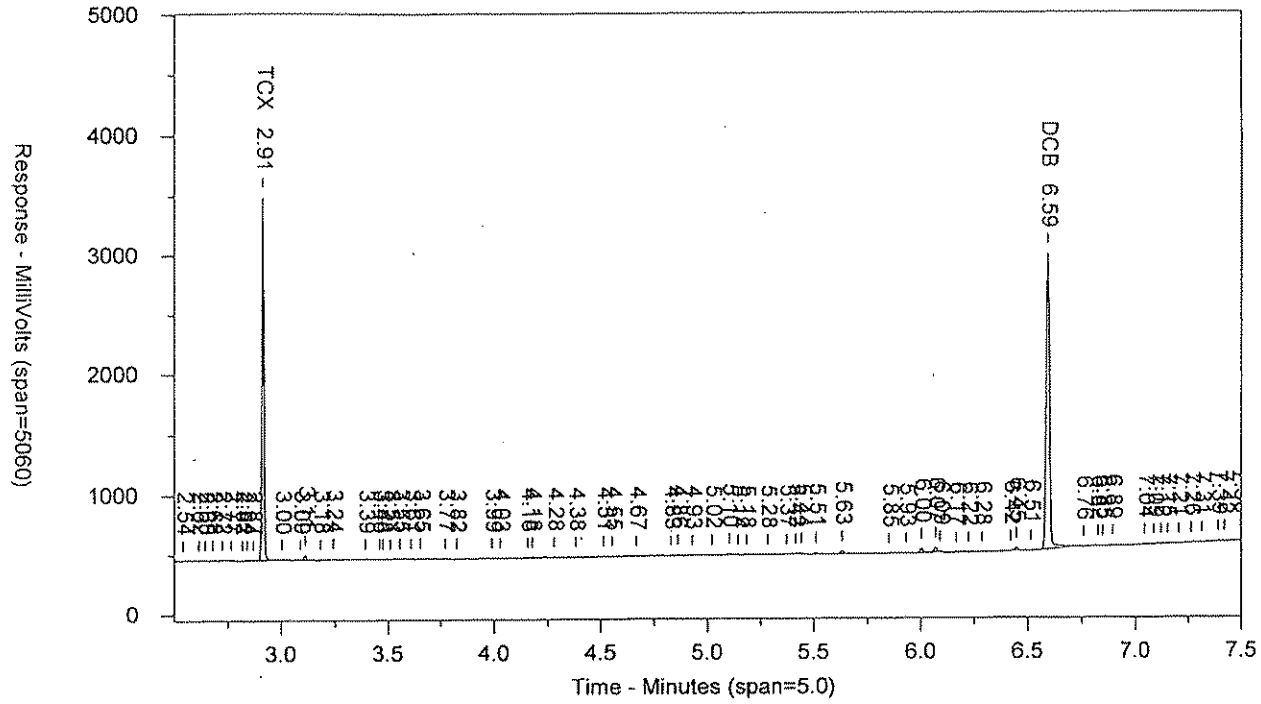

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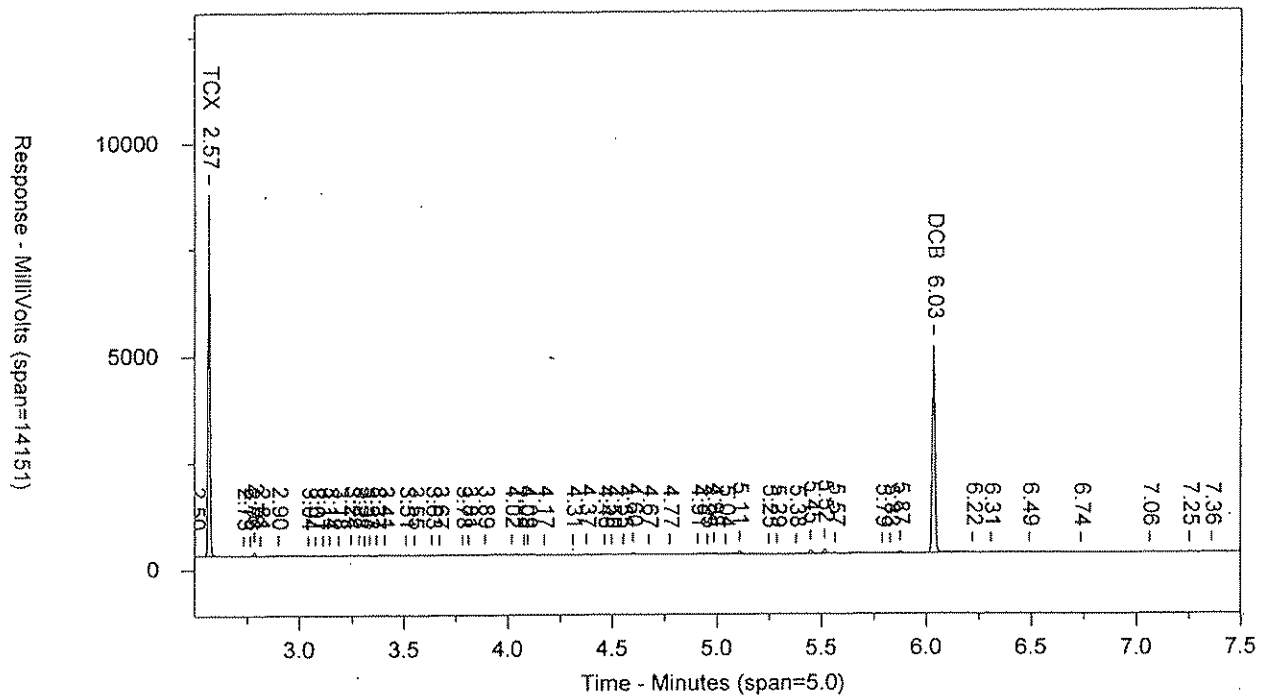

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:11:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.567		13568	48399
1.809		1254	1031
1.978		4973	5462
2.007		2383	1787
2.091		8951	15694
2.119		7739	6142
2.136		3731	3241
2.213		13474	11913
2.304		17771	14697
2.334		43175	35765
2.368		5883	10567
2.488		4247	15951
2.503		66410	49735
2.546		4964	4941
2.577		4068	5345
2.626		2241	1645
2.649		1968	1270
2.693		1681	2964
2.712		1839	1018
2.769		2475	1523
2.859		686	10878
2.868		1865	962
2.914	TCX	2795688	1830188
3.017		2854	2422
3.086		2125	2871
3.112		36163	27856
3.199		1533164	1006166
3.241		6183	4151
3.303		16554	11413
3.398		1189332	765323
3.427		14788	9780
3.478		4105	3756
3.521		542699	367506
3.553		7912	4960
3.614		1922	1119
3.654		5041	5553
3.688		80730	59874
3.711		11422	7920
3.739		2576	1374
3.769		2944	1695
3.796		121989	93498
3.827		9069	7521
3.859		12583	10914
3.906		3642	2867
3.958		10974	17295
3.98		2791	2253
4.043		21244	16830
4.072		39398	32677
4.121		4447	4087
4.151		101949	91109
4.207		15634	15626
4.249		3964	4023
4.281		4692	5367

RT A	Compound A	Height A	Area A
4.339		9096	8601
4.366		93827	86417
4.434		5056	3618
4.49		10350	11389
4.532		72181	59900
4.557		32936	24670
4.624		3344	3751
4.688		63977	59187
4.75		1089	787
4.789		116103	104528
4.827		2332899	2087573
4.857		45276	29918
4.877		18841	13339
4.933		238719	233381
5.015		58469	78922
5.094		192039	191890
5.136		2529	1866
5.168		3474339	3220773
5.253		11641	15766
5.347		537	934
5.394		275373	269774
5.446		9316	8252
5.534		4228790	4133512
5.594		61761	53958
5.627		472586	442349
5.823		2344	3415
6.003		28765	30460
6.068		32341	28793
6.091		3591	1907
6.153		1286	833
6.238		2000	1468
6.279		1200	923
6.311		4022	4132
6.386		1023	172
6.445		22588	24418
6.51		1395	799
6.545		895	991
6.59	DCB	2368302	2547216
6.778		1722	1557
6.865		984	1388
6.89		4388	5487
6.978		1320	1429
7.046		2549	3590
7.126		1167	2400
7.178		1236	1322
7.195		1084	244
7.242		621	629
7.279		1275	1285
7.309		1531	800
7.364		1252	746
7.428		1241	1698
7.499		1275	1913
7.57		1400	1519
7.624		1059	480
7.668		1309	1089
7.719		1510	2585
7.763		1272	1371
7.803		1320	1888
7.931		1450	758
7.973		1118	1052
8.042		2037	3331
8.113		1108	645
8.165		1426	628
8.277		1808	1238
8.31		1267	958
8.393		1847	1407

RT A	Compound A	Height A	Area A
8.438		1509	657
8.49		3240	4923
8.568		1062	1298
8.661		4050	5128

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:11:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.584		1327	1371
1.686		5651	10809
1.715		2539	1512
1.768		5285	14934
1.824		5111	11826
1.854		23087	26091
1.887		60846	52935
1.962		11686	23109
2.014		11517	8137
2.112		100855	63131
2.164		3301	2644
2.195		5898	7096
2.231		2535	4623
2.278		168963	98172
2.301		2213	1047
2.325		2396	1182
2.37		2402	2059
2.504		12708	21393
2.568	TCX	7778865	4659859
2.622		3238	1707
2.671		2082	895
2.732		2094	926
2.743		2807	1188
2.784		94762	56140
2.824		956	1412
2.842		4497	3558
2.912		4976138	2789363
2.94		2971	1781
3.03		47371	29879
3.064		43707	29044
3.121		3761166	2107004
3.192		5087	4759
3.217		5402	3603
3.242		8344	3824
3.258		9004	5105
3.281		4934	2396
3.302		1609183	952574
3.36		2546	1237
3.381		62100	34577
3.4		10294	4954
3.422		491411	363595
3.456		31285	20642
3.497		13563	8853
3.515		3942	1609
3.534		32576	22432
3.562		36422	28264
3.602		6032	4849
3.619		10443	12550
3.669		3990	2770
3.708		367829	221333
3.727		72385	34675
3.741		46861	20394
3.786		30170	19099
3.807		41607	25201

3.839		9420	8317
3.888		9778	9003
3.914		12617	6883
3.938		334751	232264
3.966		6698	3188
3.981		15591	8353
4.004		12629	7226
4.015		10210	5582
4.048		9185	5588
4.065		3564	1542
4.091		144912	116677
4.133		17099	11559
4.18		254177	201871
4.232		6532	6703
4.308		192455	163008
4.358		8018926	6009789
4.402		84028	62403
4.454		892875	653978
4.491		20939	16225
4.565		146024	108784
4.593		27578	21602
4.628		10407050	8112004
4.684		565734	442912
4.714		15125	9808
4.801		32192	29394
4.836		12876	10298
4.905		2447	1982
4.952		397630	521425
5.054		9409804	8509248
5.109		61059	78022
5.224		1341558	1131504
5.278		69601	58049
5.375		1879	2733
5.447		71414	62340
5.515		86348	74429
5.564		16620	15595
5.873		51747	45042
6.032	DCB	4648013	4307572
6.167		1922	1611
6.228		1714	1218
6.28		1515	624
6.329		1598	1775
6.491		2827	2316
6.517		1253	908
7.116		806	417
7.32		1456	1421
7.597		984	751
7.686		758	1547
7.806		615	1298
8.201		830	1308
8.518		946	960
8.633		1583	9349

EVALX1624A AAEVALXAA ICAL 1624199999 10736 SW-846 8082

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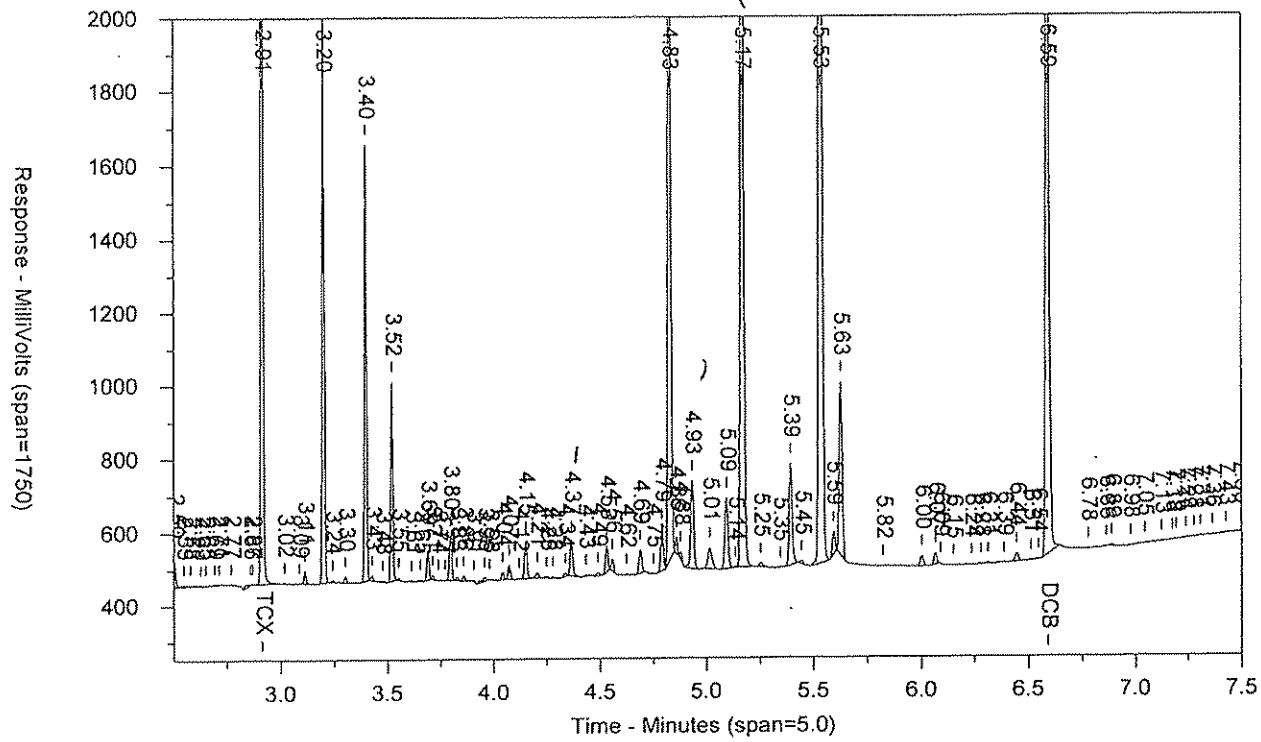

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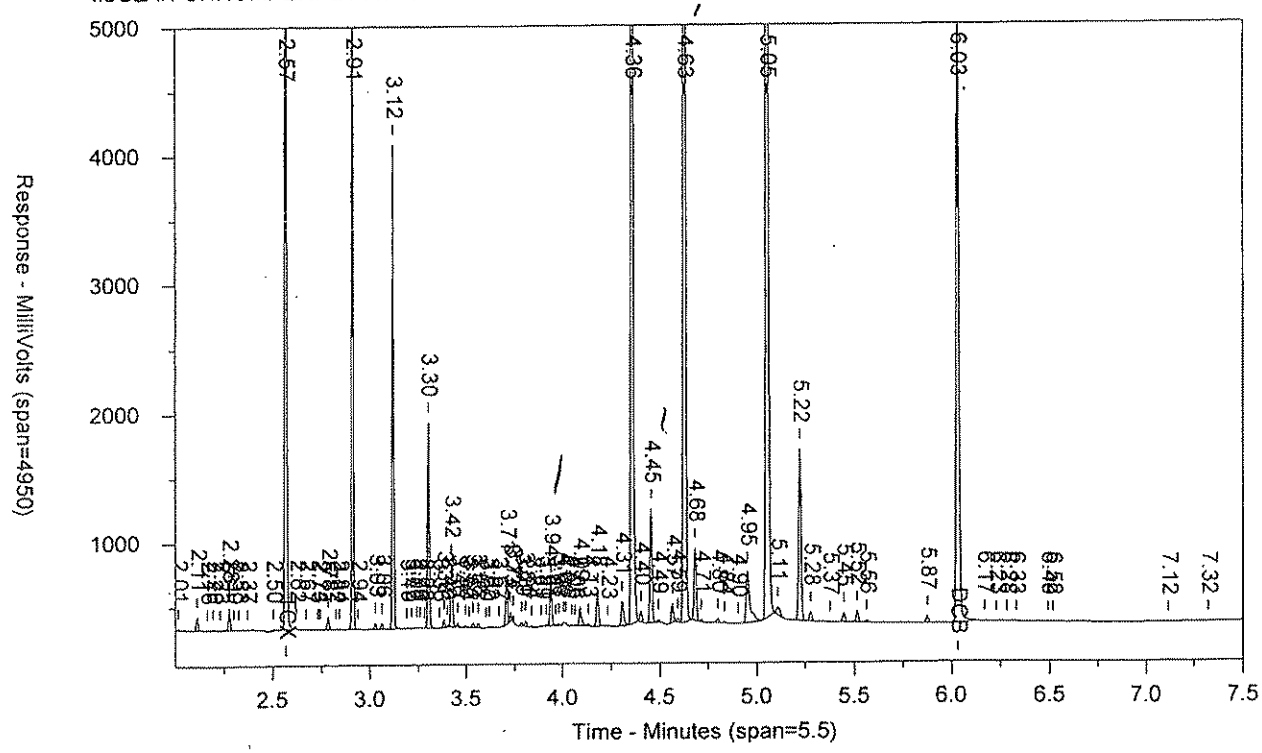

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:11:37 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	2795688	18.998	TCX	2.568	7778865	18.917	TCX
6.59	2368302	19.728	DCB	6.032	4648013	19.599	DCB

Files:
Area File: 07pcbs16242001.0006.RAW
Area File: 07pcbs16242001B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 4:20:19 PM
File Reported On: 8/29/2016 at 6:52:26 PM

EVALX1624A AAEVALXAA ICAL 1624199999 10736 SW-846 8082

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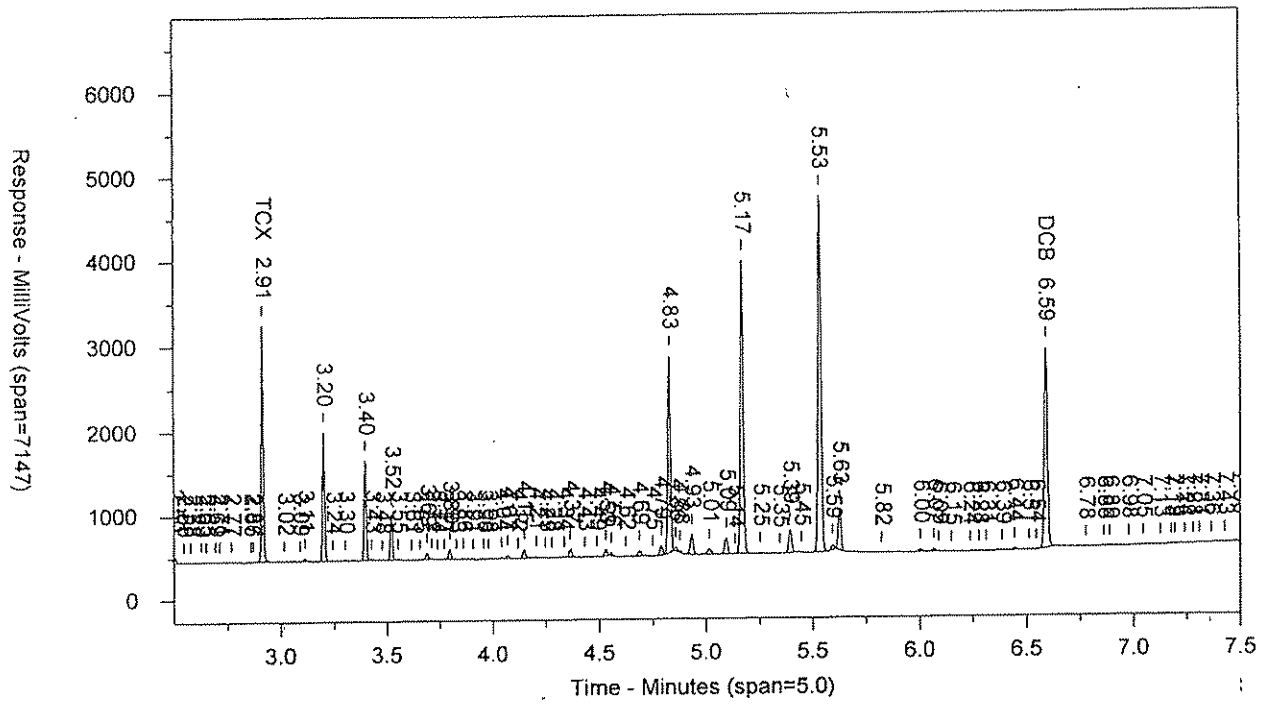

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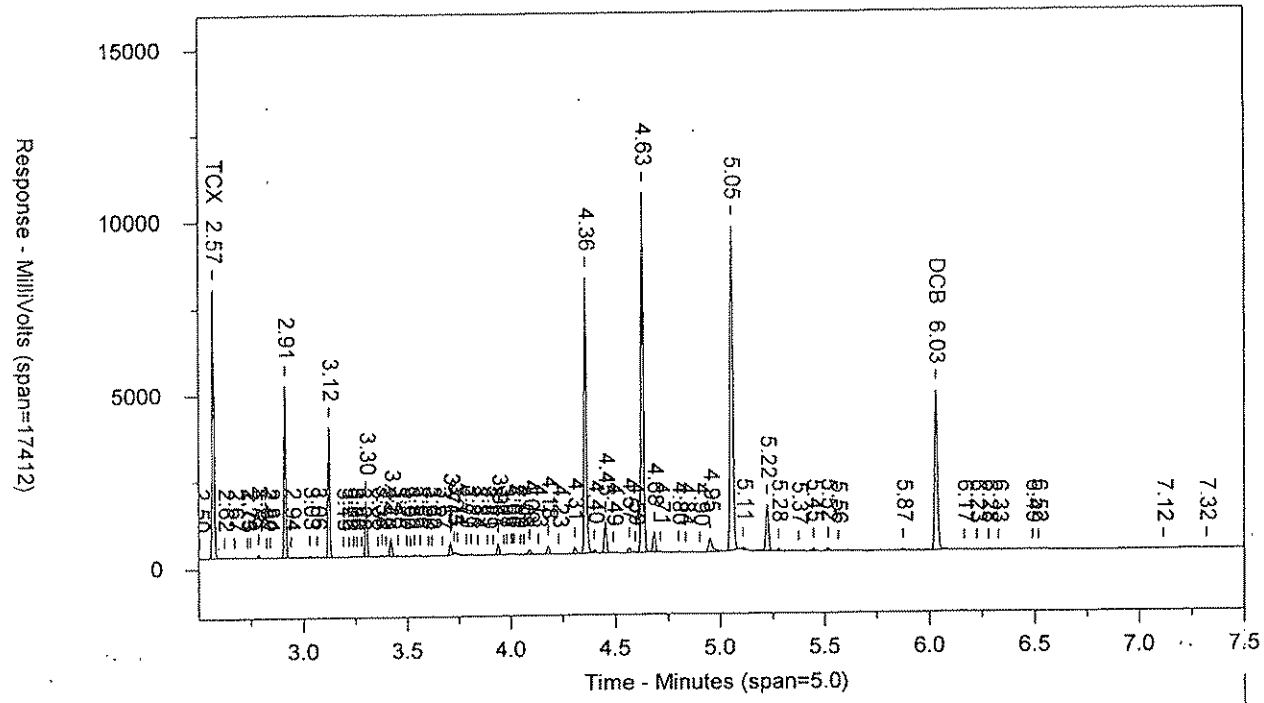

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:23:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.545		2860	11484
1.652		1765	2862
1.726		1695	1048
1.823		1534	2431
1.847		1311	630
1.983		13337	23302
2.037		12244	30585
2.092		48492	99196
2.135		16031	54746
2.213		13364	32290
2.305		15764	43639
2.37		14137	27400
2.423		2523	2840
2.486		2040	1717
2.562		3142	2670
2.646		2309	1863
2.685		909	1123
2.734		1650	1366
2.766		18357	19615
2.814		2771	1379
2.838		2207	2159
2.914	TCX	562031	400335
3.066		23569	20152
3.123		29911	27595
3.171		135766	96928
3.243		2011	822
3.263		16476	11898
3.384		134767	81329
3.4		60642	32388
3.437		14710	8495
3.454		4427	1771
3.469		11787	6894
3.499		148617	114751
3.552		1570	2083
3.571		5146	3793
3.609		33787	19365
3.623		15456	7672
3.667		60568	38499
3.678		153748	80670
3.714		182747	140895
3.772		150399	118128
3.812		8306	5011
3.839		107960	77219
3.865		77406	65753
3.887		23251	12104
3.962		113231	82721
3.986		37473	24048
4.016		41666	29848
4.052		105260	112685
4.092		35609	29883
4.139		5244	4296
4.177		9151	8041
4.21		103211	79451

RT A	Compound A	Height A	Area A
4.231		25965	15402
4.254		29475	20596
4.278		3177	2259
4.32		15003	13169
4.363		111849	106901
4.398		2944	1440
4.501		17409	19341
4.556		9073	6010
4.571		27260	18133
4.616		72869	66281
4.662		110089	125562
4.698		27052	19145
4.738		253475	242386
4.781		4078	4570
4.829		38889	44652
4.859		4232	2668
4.885		45932	42320
4.937		308308	387499
4.986		60535	53790
5.03		142490	161618
5.072		2809	1410
5.109		29880	37401
5.145		359061	392005
5.209		176846	169002
5.251		113678	111386
5.373		222078	300551
5.432		103901	108693
5.472		55396	47004
5.511		15806	16143
5.556		73415	72882
5.613		503214	549928
5.818		305503	320265
5.857		33562	30289
5.871		28748	20709
6.004		14389	14692
6.067		15625	11087
6.09		55624	48389
6.246		145361	145099
6.291		9666	10508
6.445		43308	49607
6.484		1191	535
6.52		1670	1780
6.59	DCB	510292	547968
6.655		1381	1209
6.7		1570	1296
6.722		1621	1126
6.756		1675	1361
6.875		1629	431
6.896		3907	4141
6.959		1286	756
6.982		1235	705
7.01		1688	693
7.054		1184	1879
7.077		1559	571
7.135		962	1153
7.197		622	1442
7.21		1450	644
7.266		1018	1525
7.343		1185	4210
7.417		1630	1714
7.472		1227	1433
7.521		1355	1386
7.536		1563	1056
7.597		1543	1017
7.802		1213	978
7.833		1209	1260

RT A	Compound A	Height A	Area A
7.946		1679	526
8.016		1392	1471
8.056		1452	1923
8.1		1017	1221
8.165		1477	1482
8.257		1241	803
8.279		970	375
8.393		1167	1564
8.502		3488	4554
8.582		1122	2394
8.67		23406	59271

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:23:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.519		3259	6977
1.679		2835	5937
1.741		5537	7944
1.767		6092	8049
1.847		4824	21111
1.886		23297	18881
1.961		62407	85089
2.078		1745	1867
2.164		3201	3219
2.195		10273	9754
2.257		4096	3059
2.322		3010	3626
2.35		1170	772
2.371		1769	2515
2.43		2912	2105
2.504		48358	38262
2.548		1603	753
2.568	TCX	1580996	977037
2.613		31155	22926
2.739		68468	45246
2.784		15425	7177
2.8		61266	34697
2.851		379622	234386
2.9		3376	1828
2.962		45962	28310
3.058		485810	468231
3.109		54672	34436
3.129		23374	12996
3.155		37036	20475
3.179		455686	305139
3.215		16537	9620
3.243		3445	1424
3.262		116437	58933
3.277		60505	29406
3.327		206727	105206
3.336		467712	196337
3.357		12540	4250
3.37		452697	310974
3.443		477230	303600
3.48		346337	218266
3.503		362692	206453
3.52		109909	55348
3.605		400285	259914
3.628		156082	85372
3.648		145915	84978
3.677		102036	51615
3.694		335158	202426
3.733		129982	86781
3.779		20106	17118
3.801		83596	49905
3.823		440414	291724
3.848		83999	48965
3.867		9889	4346
3.888		58034	38669

3.922		363902	248719
3.954		15788	8294
3.968		28696	16214
4.018		8976	9629
4.052		31077	39241
4.092		2128	1235
4.118		98006	67704
4.159		107636	64962
4.177		78943	38009
4.19		253655	143819
4.215		145505	142104
4.266		788764	610695
4.313		9762	10351
4.335		62000	39397
4.359		166249	125428
4.401		895909	686656
4.5		681878	698107
4.552		97290	76457
4.59		207229	184114
4.624		848517	732353
4.657		456390	338253
4.694		305065	234593
4.792		94499	68740
4.81		9517	4962
4.842		557539	448587
4.864		59327	35288
4.914		306512	276659
4.949		155462	119917
4.98		120269	94906
5.011		32376	18541
5.034		1167602	1047137
5.075		23269	16246
5.105		63524	49209
5.224		13130	8116
5.247		267897	227159
5.292		766886	896328
5.447		35614	31042
5.496		14466	10238
5.515		31957	24324
5.564		149490	131596
5.674		316931	277448
5.706		14428	10404
5.874		93446	87042
6.033	DCB	1034623	967356
6.824		993	838
6.968		835	708
7.213		734	1862
7.345		693	1965
7.893		1440	2236
7.974		751	353
8.387		591	2963
8.577		1008	1866

AR1611624B AAAR161AA ICAL 1624199999 10736 SW-846 8082

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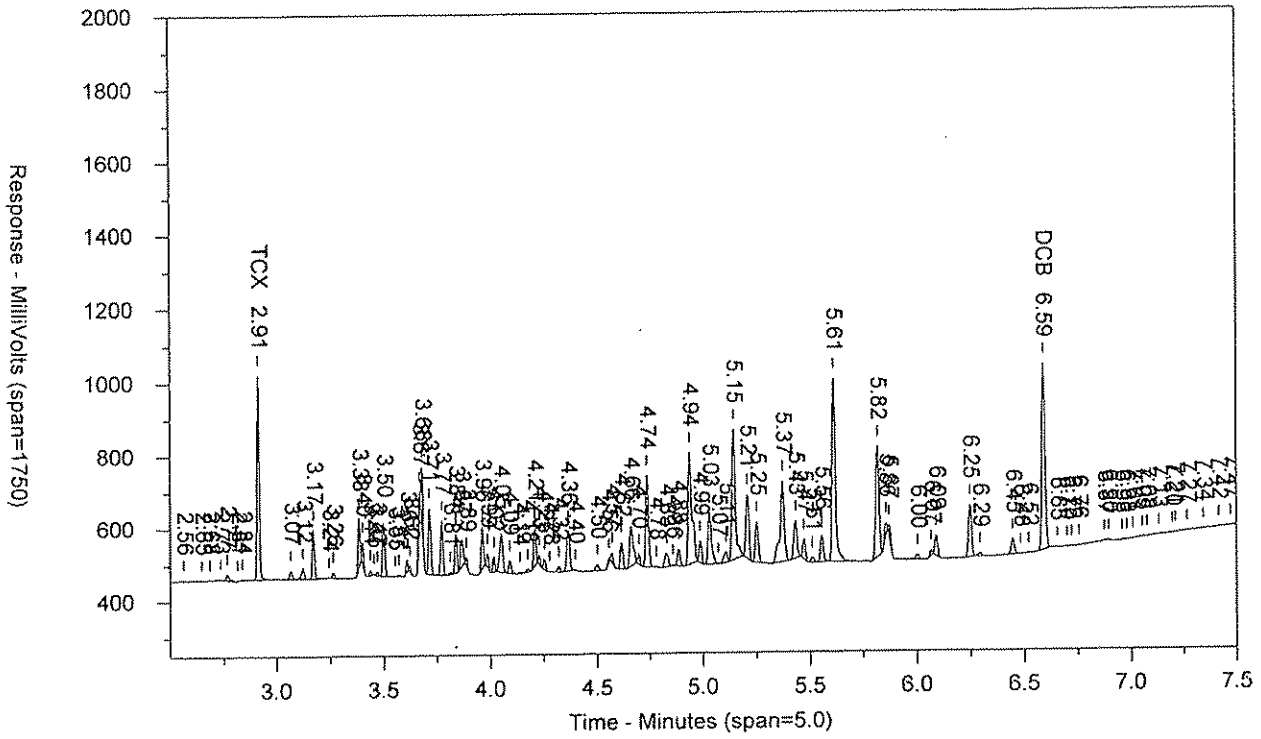

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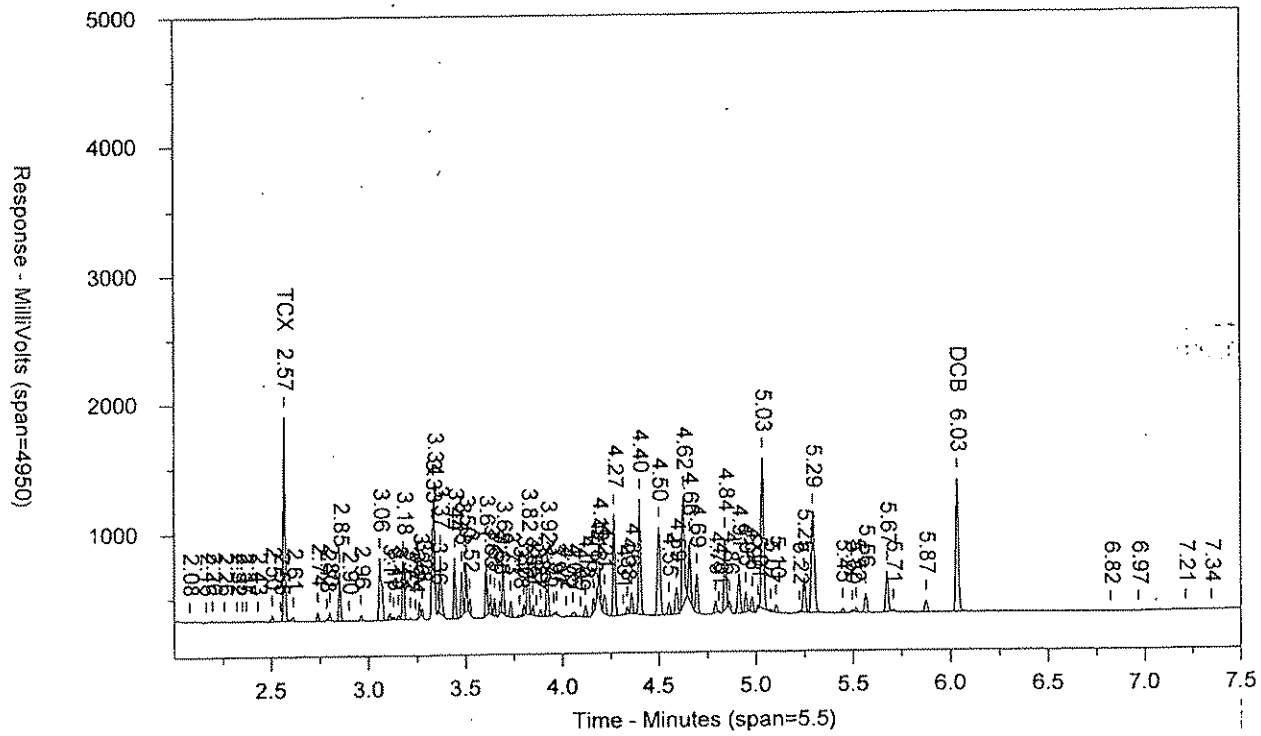

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:23:08 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	562031	3.819	TCX	2.568	1580996	3.845	TCX
6.59	510292	4.251	DCB	6.033	1034623	4.363	DCB

Files:
Area File: 07pcbs16242001.0007.RAW
Area File: 07pcbs16242001B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 4:31:51 PM
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AR1611624B AAAR161AA ICAL 1624199999 10736 SW-846 8082

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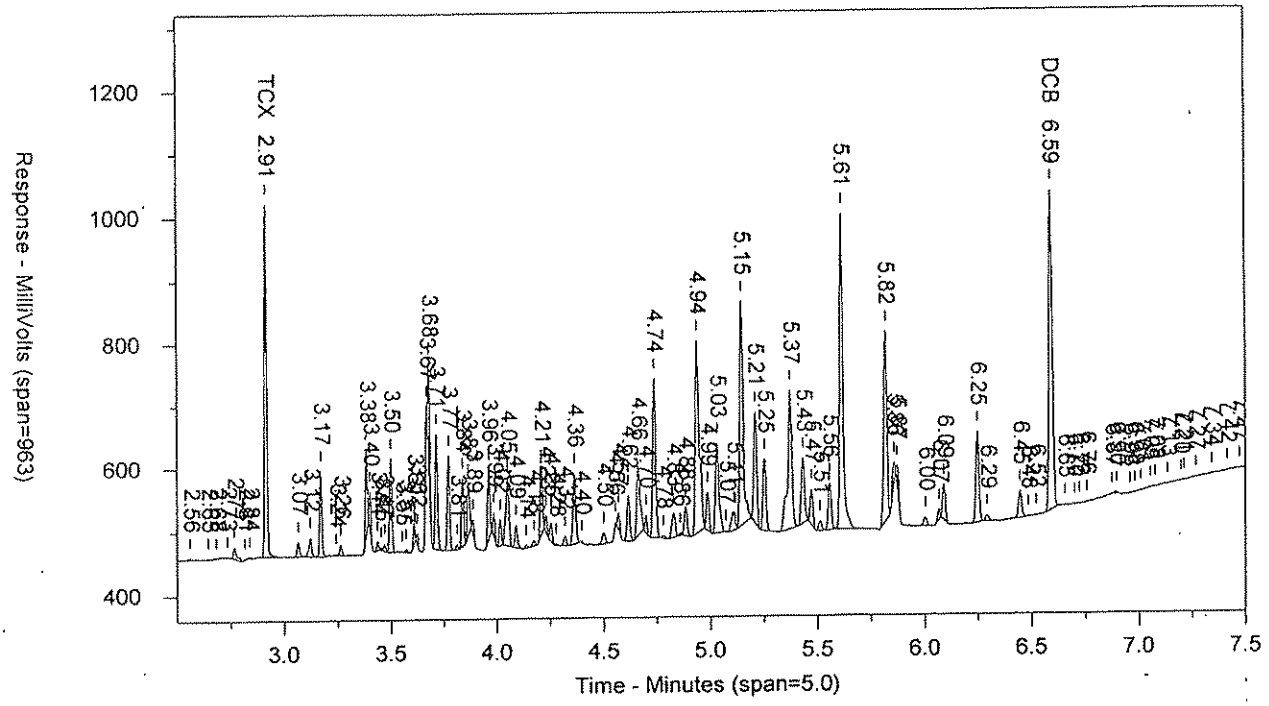

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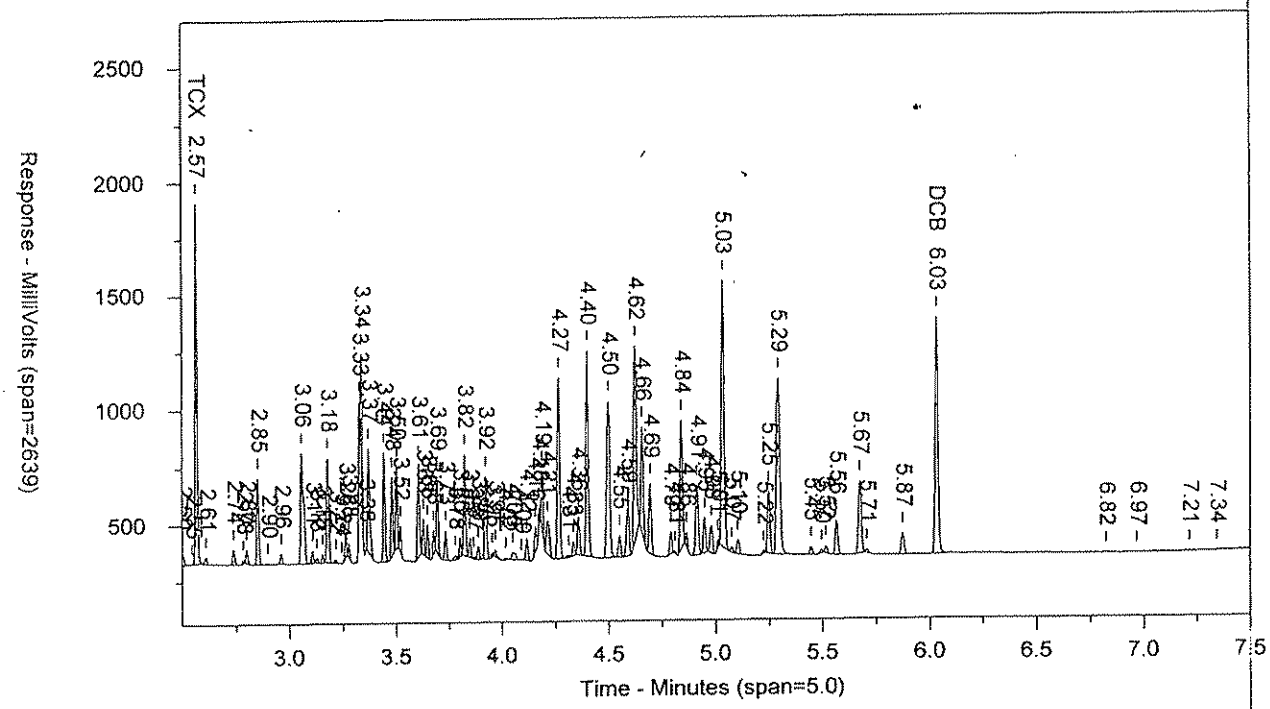

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:34:25 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.552		12242	32518
1.574		12274	41018
1.718		5191	6206
1.981		9665	14261
2.011		9114	17980
2.091		36854	67533
2.212		14661	13005
2.303		8921	6415
2.322		5658	4702
2.369		7549	12452
2.432		908	2594
2.486		2758	2475
2.56		4599	4556
2.647		2883	1814
2.766		14178	14902
2.836		2608	4332
2.875		1879	1550
2.913	TCX	2809213	1886574
3.065		42587	37166
3.121		55601	59597
3.17		235990	170511
3.242		5588	3278
3.262		28393	20824
3.382		240157	144507
3.399		112007	59100
3.436		27774	15803
3.451		8470	3512
3.468		21644	12535
3.497		282343	212446
3.552		5920	3706
3.571		11866	7536
3.607		59726	34299
3.621		26981	13252
3.665		133970	72838
3.676		272362	142793
3.712		340302	255017
3.77		273430	214019
3.809		18922	13113
3.837		190846	138563
3.864		138962	116543
3.885		37136	20320
3.96		197706	146279
3.984		65444	44438
4.014		76735	55007
4.051		192620	206343
4.09		64117	53735
4.136		8139	6430
4.174		12299	10908
4.208		195784	145167
4.228		48275	27555
4.252		53076	38197
4.278		2964	1907
4.319		27915	24602

RT A	Compound A	Height A	Area A
4.362		196108	190661
4.395		6185	3720
4.457		1616	1162
4.498		34305	37299
4.554		15450	11068
4.568		47431	32382
4.614		128463	118494
4.659		204984	224687
4.696		47098	34781
4.736		451554	432374
4.777		6708	6788
4.826		74809	81071
4.858		12800	8808
4.883		80367	73027
4.935		550184	698195
4.985		103416	97620
5.028		250777	290520
5.072		5177	2809
5.106		60238	77392
5.144		630772	594663
5.167		17825	8511
5.207		318199	302404
5.25		199333	201499
5.372		396037	547599
5.43		192565	191225
5.47		98461	84986
5.509		39343	38653
5.555		134923	131366
5.611		919522	1026420
5.719		1675	734
5.816		558461	587179
5.857		44897	52416
5.87		51213	34887
6.001		50931	51940
6.065		50766	39712
6.088		98848	80848
6.245		264220	263911
6.289		17780	16271
6.443		88916	93028
6.543		1011	1763
6.588	DCB	2321926	2478068
6.731		1336	811
6.814		1320	1887
6.856		761	491
6.886		5260	5767
6.968		1517	681
7.039		2224	1730
7.083		1147	530
7.102		1517	816
7.22		1621	4181
7.272		1224	2007
7.306		1435	1429
7.353		1066	1245
7.375		1370	426
7.409		1578	1656
7.537		982	169
7.591		1487	2018
7.632		1254	823
7.758		1360	3270
7.821		915	1086
7.844		1298	1259
7.917		1540	1176
7.983		1486	411
8.031		449	908
8.115		1360	934
8.178		1954	4279

RT A	Compound A	Height A	Area A
8.254		1540	1353
8.505		2256	2500
8.566		1332	1834
8.665		16816	39674

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:34:25 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.518		2110	3019
1.552		9937	6639
1.659		1217	489
1.714		2397	1300
1.745		5445	9263
1.769		5681	7074
1.808		2399	3646
1.887		41642	34413
1.96		53459	85172
2.013		16951	20229
2.077		2268	1918
2.116		3316	6969
2.163		2482	2630
2.194		10583	10444
2.256		7936	6856
2.319		2692	3040
2.35		1855	1316
2.375		1304	2403
2.43		2917	1750
2.504		35199	23669
2.53		14054	7365
2.568	TCX	7907916	4740054
2.612		55548	38702
2.739		137179	87748
2.784		76906	36650
2.799		113199	58755
2.851		666203	421865
2.899		17040	9726
2.961		88968	54033
3.057		874965	834215
3.108		99574	61385
3.129		45118	24985
3.154		71152	38011
3.178		830640	550910
3.215		33067	18821
3.242		16183	8089
3.261		204366	108470
3.276		114014	53465
3.303		1659	594
3.326		411005	183340
3.336		895846	383119
3.356		22888	8750
3.369		824488	561671
3.442		904944	557725
3.479		611497	390402
3.502		664999	370036
3.519		203778	100284
3.604		714524	472028
3.626		285835	152357
3.647		266542	156433
3.675		187520	97555
3.692		626172	371158
3.732		238745	161604
3.778		39796	33096

3.8		157752	93418
3.822		793110	526871
3.847		160680	93071
3.865		22460	10072
3.886		100282	63892
3.92		650181	449717
3.952		30872	16604
3.966		54138	31550
4.015		4290	2491
4.051		70378	82469
4.092		7680	4544
4.116		175580	124485
4.157		197768	115363
4.175		163488	77749
4.189		449592	256559
4.214		263902	256999
4.265		1436099	1107843
4.31		17729	19067
4.333		122313	77469
4.357		299912	233960
4.399		1631001	1242370
4.499		1248071	1283372
4.55		187312	149620
4.589		393114	345635
4.623		1615873	1357491
4.656		849139	611583
4.693		567128	431980
4.749		1830	1640
4.789		182145	128870
4.807		18988	9618
4.839		1048398	814931
4.862		107988	66805
4.912		543757	505643
4.947		272322	220445
4.978		232848	192983
5.008		75507	42916
5.032		2339343	1944561
5.072		41071	29005
5.103		162569	140527
5.222		24554	15292
5.246		485229	412290
5.29		1442713	1655474
5.446		129321	112890
5.492		23557	14797
5.514		137962	110459
5.563		291242	258976
5.672		576946	501951
5.704		28782	20407
5.872		199989	183472
5.993		748	577
6.031	DCB	4475638	4091906
6.267		1073	1191
6.485		3653	2816
7.011		1064	2502
7.223		1235	1628
8.078		928	1033
8.353		1490	2819
8.404		1227	1288

AR1621624B AAAR162AA ICAL 1624199999 10736 SW-846 8082

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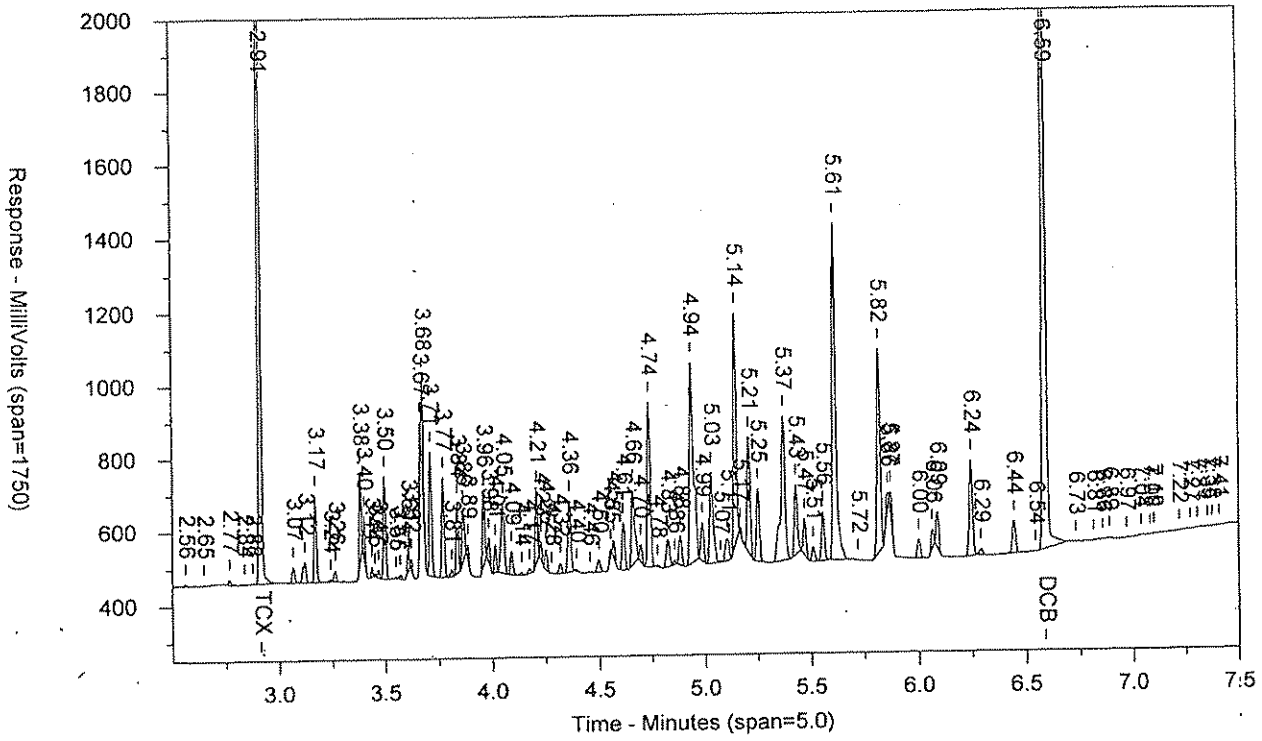

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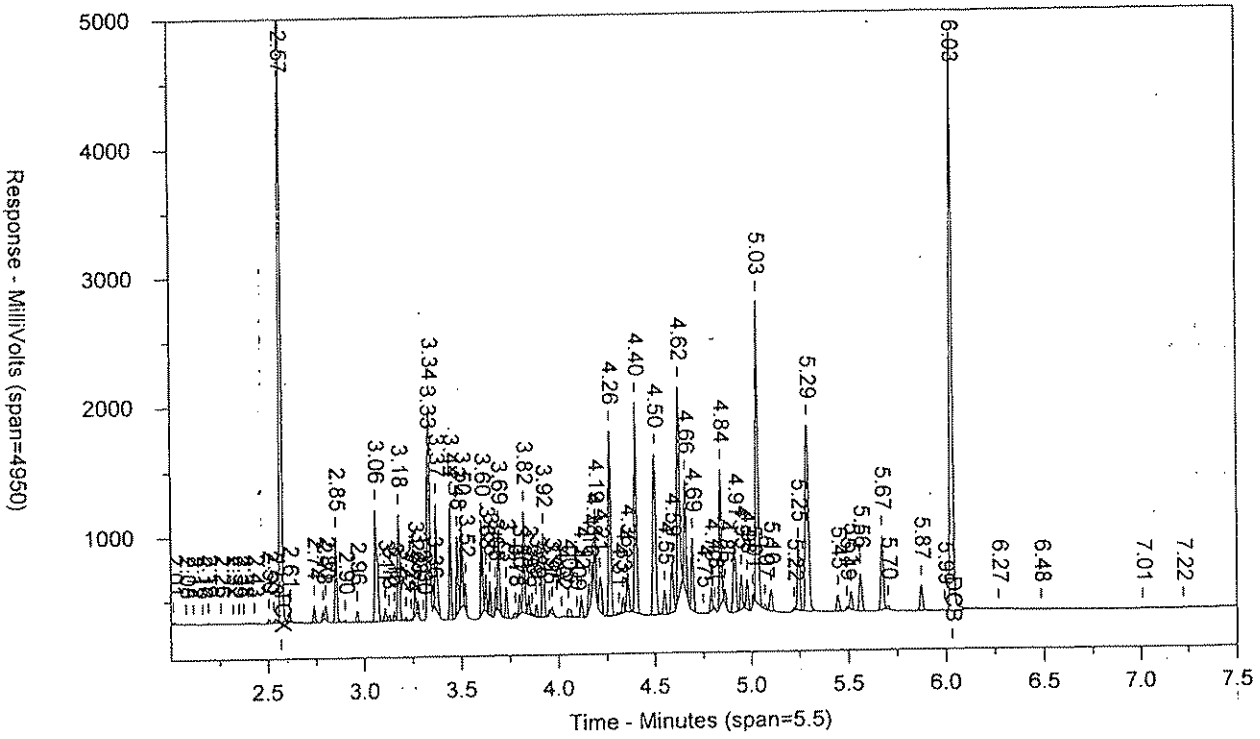

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:34:25 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.913	2809213	19.09	TCX	2.568	7907916	19.231	TCX
6.588	2321926	19.342	DCB	6.031	4475638	18.872	DCB

Files:
Area File: 07pcbs16242001.0008.RAW
Area File: 07pcbs16242001B.0008.RAW
Method A: 07PCBS.MET .
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 4:43:08 PM
File Reported On: 8/29/2016 at 6:52:46 PM

AR1621624B AAAR162AA ICAL 1624199999 10736 SW-846 8082

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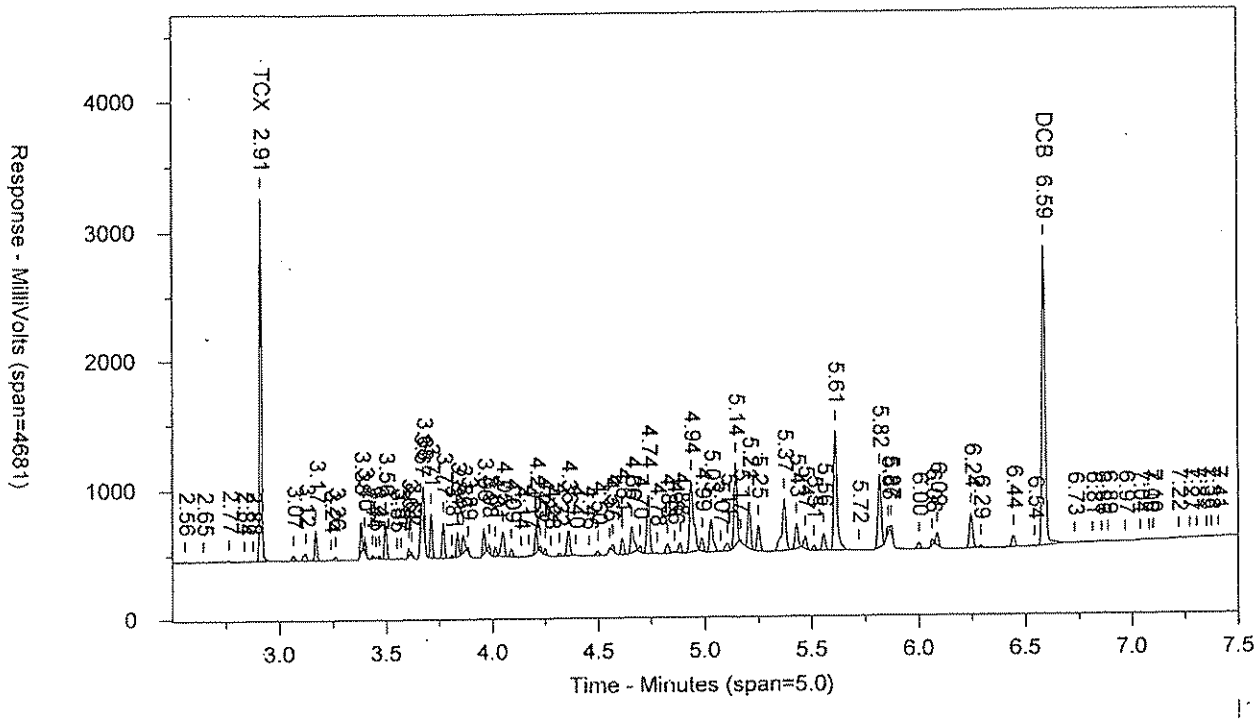

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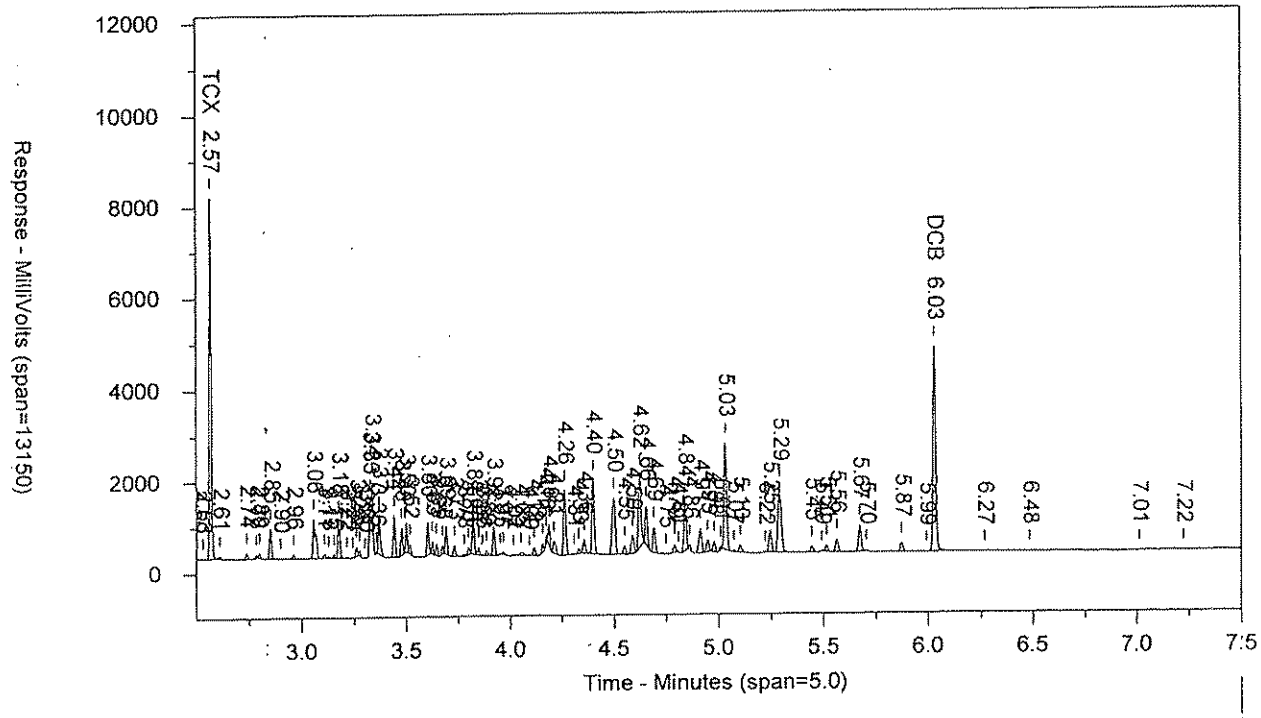

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:45:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.551		14860	69192
1.722		1550	1488
1.812		1274	1036
1.909		1089	503
1.939		3351	4504
1.985		5063	9014
2.091		21481	34055
2.138		4764	7997
2.213		26381	20396
2.304		8097	5544
2.323		10186	8892
2.369		6932	13797
2.422		3505	3551
2.485		2735	3196
2.56		7925	9848
2.646		1978	1437
2.679		1436	1270
2.767		15730	17790
2.813		6530	4026
2.838		11216	16954
2.914	TCX	5961761	3925447
2.999		1830	2009
3.066		89601	75081
3.122		106269	116080
3.17		460555	329240
3.241		10729	6493
3.262		56365	38593
3.3		1664	1086
3.383		448026	275768
3.399		197246	107001
3.436		51944	29783
3.451		16688	7042
3.468		40539	23395
3.498		538018	408020
3.532		3152	1835
3.552		11942	7273
3.571		23176	14113
3.607		112046	65418
3.621		52738	26221
3.666		216249	135418
3.676		535138	286308
3.712		653753	495795
3.771		505748	415665
3.81		37416	26630
3.837		356621	262520
3.865		261673	221763
3.885		67669	36022
3.96		381713	280203
3.984		124072	81203
4.015		142114	103722
4.05		361379	395161
4.09		122816	101696
4.136		17175	12708

RT A	Compound A	Height A	Area A
4.173		20664	16768
4.208		363566	271809
4.229		87795	52311
4.252		100362	73705
4.319		53680	47961
4.362		376987	361443
4.396		11342	7565
4.456		4643	3892
4.498		72313	78434
4.555		27975	23595
4.569		86280	58525
4.614		254915	225548
4.659		363267	422234
4.696		87514	63678
4.736		851211	824594
4.778		11808	12776
4.827		136928	152577
4.858		25781	17383
4.883		153433	137287
4.935		1060665	1329472
4.985		202610	183357
5.029		489808	559049
5.071		9731	5136
5.108		109047	142144
5.145		1284426	1391333
5.206		616355	577635
5.25		386931	387360
5.371		776052	1064717
5.43		380366	355157
5.47		187025	166420
5.51		71916	70327
5.555		261105	253786
5.611		1899066	2061758
5.817		1130181	1161223
5.856		88033	98647
5.87		129501	86099
6.002		94023	94903
6.035		3172	1812
6.065		88760	69178
6.089		192347	159179
6.245		526775	516570
6.29		31897	32828
6.37		1561	1180
6.443		179318	184990
6.587	DCB	4558652	4880164
6.773		1581	660
6.798		1547	819
6.828		1705	575
6.874		851	1313
6.887		4012	4141
6.971		1973	2187
7.041		5403	9185
7.098		1276	470
7.185		1402	1923
7.319		1473	5764
7.355		1621	613
7.414		1662	1860
7.454		1491	803
7.596		1190	1406
7.667		988	2536
7.686		886	609
7.766		1336	552
7.852		1329	1354
7.965		2208	2472
8.027		1614	1881
8.054		1273	1043

RT A	Compound A	Height A	Area A
8.093		1075	703
8.14		1477	1428
8.165		1496	683
8.2		1560	946
8.257		1578	1915
8.281		1756	1293
8.317		1402	1011
8.466		1441	848
8.49		2671	3211
8.577		1218	2019
8.654		1699	611

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:45:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.515		2178	2533
1.583		1187	1203
1.676		926	1375
1.741		2158	2413
1.848		7021	29959
1.889		74697	74835
1.96		35674	69368
2.014		28816	28644
2.072		1603	1127
2.104		1549	796
2.163		3637	3574
2.194		7805	7705
2.257		15705	11773
2.316		2917	3361
2.353		509	865
2.388		1505	1443
2.43		2215	1368
2.453		7482	8512
2.504		47615	54878
2.568	TCX	16359680	9855407
2.612		110412	78207
2.739		276818	182477
2.785		155435	75351
2.8		212817	112290
2.851		1289633	811758
2.9		32642	18823
2.962		172083	107490
3.058		1612859	1586195
3.109		195381	119357
3.13		93871	52220
3.155		133284	73511
3.179		1569767	1061715
3.216		70493	40183
3.242		34059	17122
3.262		397822	205355
3.277		217440	106087
3.302		2128	1038
3.327		759323	360847
3.336		1696830	717207
3.356		38731	15991
3.369		1608891	1084235
3.443		1771299	1092576
3.479		1158957	733784
3.502		1274724	707172
3.519		388242	187187
3.604		1417932	890690
3.626		524987	285342
3.647		505415	298462
3.675		362752	183616
3.692		1170970	702510
3.732		448299	308865
3.778		82747	70558
3.8		293816	175635
3.822		1522663	1005889

3.847		295928	174882
3.865		40777	18954
3.886		179970	114485
3.92		1254864	854624
3.953		64488	32679
3.967		108411	58962
4.014		4125	2685
4.027		9308	5300
4.051		153247	179435
4.091		16784	9598
4.116		336011	238267
4.157		366243	223305
4.175		299665	141940
4.189		892671	499810
4.213		483701	481675
4.264		2858878	2151157
4.306		39705	40645
4.333		233891	150003
4.357		567482	437712
4.399		3154451	2399435
4.498		2520566	2513115
4.55		361309	288810
4.589		725133	657052
4.623		3250740	2709211
4.656		1618917	1172095
4.693		1064041	825705
4.75		2548	2572
4.79		340854	249268
4.807		36656	18559
4.84		2064490	1592551
4.862		223545	136024
4.912		1048531	967356
4.947		546118	425304
4.978		459037	371817
5.01		121207	78863
5.032		4670128	3908804
5.073		80905	58425
5.103		323723	263047
5.223		46112	29838
5.247		946797	786888
5.291		2897730	3254665
5.446		239121	215455
5.493		44806	30062
5.514		246134	201828
5.563		576178	499046
5.673		1129646	964735
5.705		55304	40040
5.826		1863	1371
5.873		368923	349562
6.031	DCB	9251530	8132213
6.158		3350	1483
6.215		1917	1651
6.485		7075	12975
6.657		1336	695
7.324		1098	2131
7.762		760	1032
8.1		1405	2908
8.179		776	786
8.541		1150	796

AR1631624B AAAR163AA ICAL 1624199999 10736 SW-846 8082

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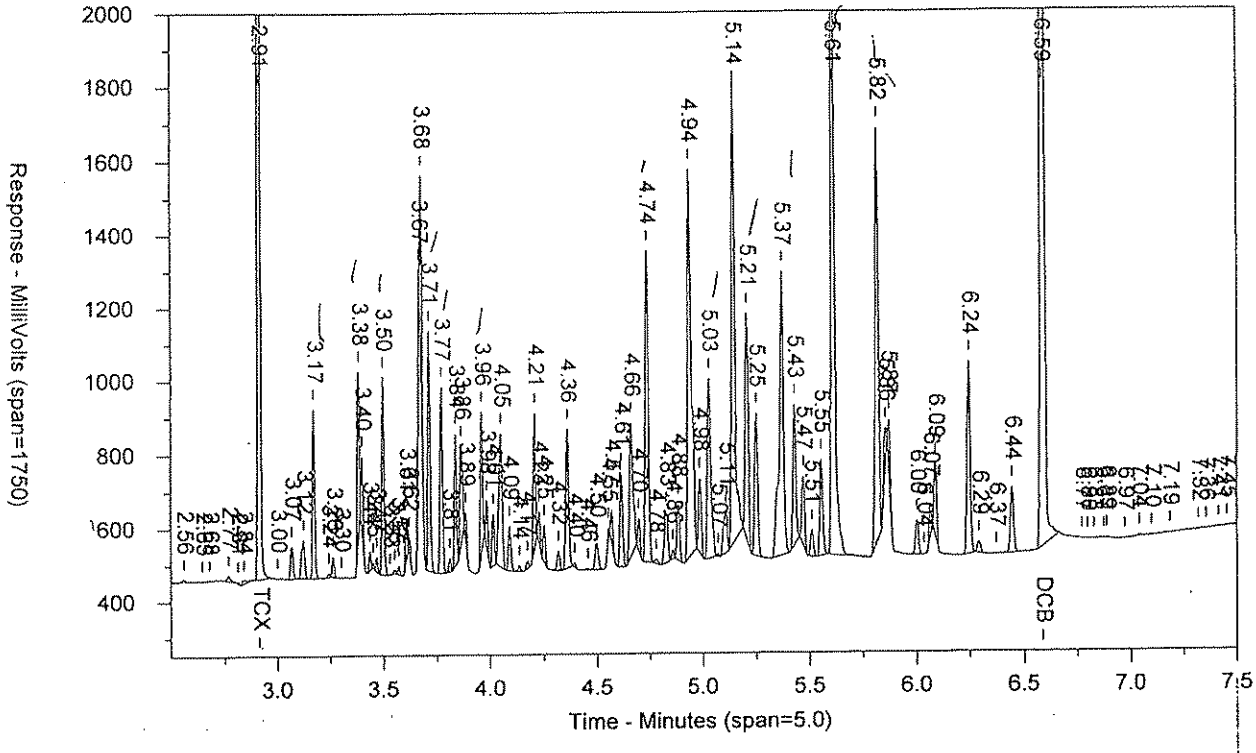

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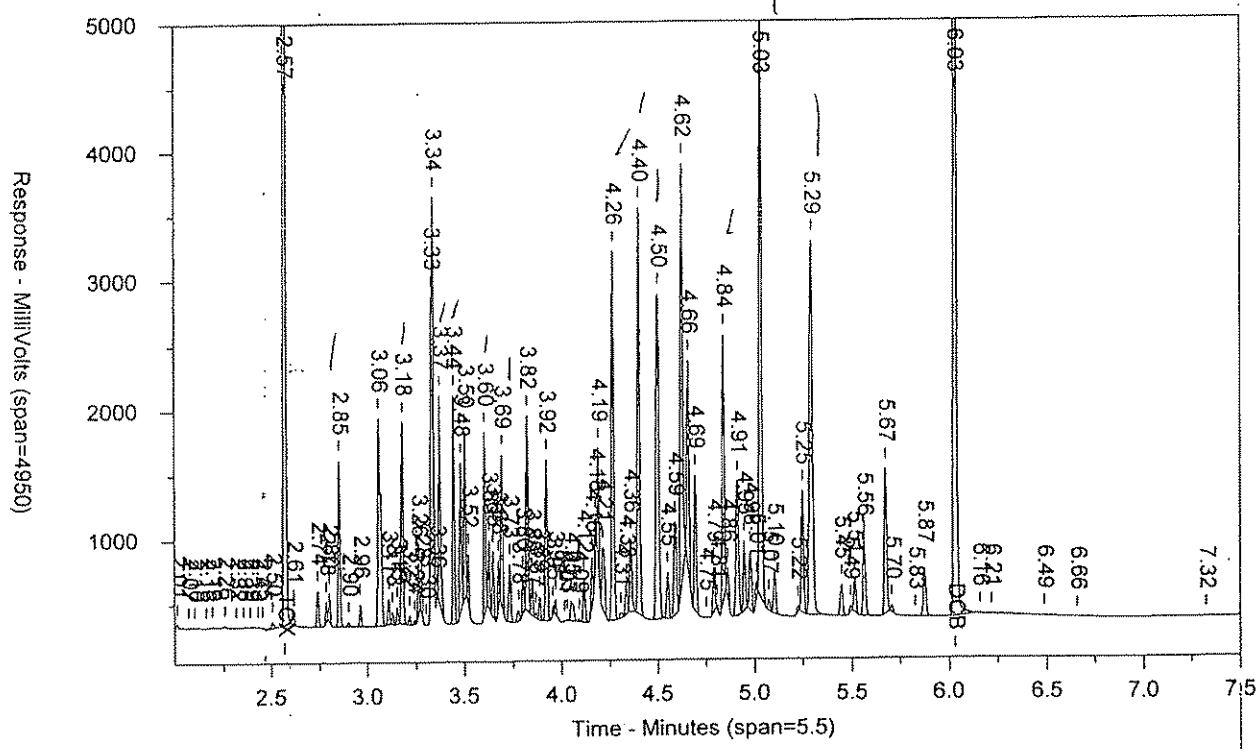

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:45:53 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	5961761	40.512	TCX	2.568	16359680	39.784	TCX
6.587	4558652	37.973	DCB	6.031	9251530	39.01	DCB

Files:
Area File: 07pcbs16242001.0009.RAW
Area File: 07pcbs16242001B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 4:54:33 PM
File Reported On: 8/29/2016 at 6:52:56 PM

AR1631624B AAAR163AA ICAL 1624199999 10736 SW-846 8082

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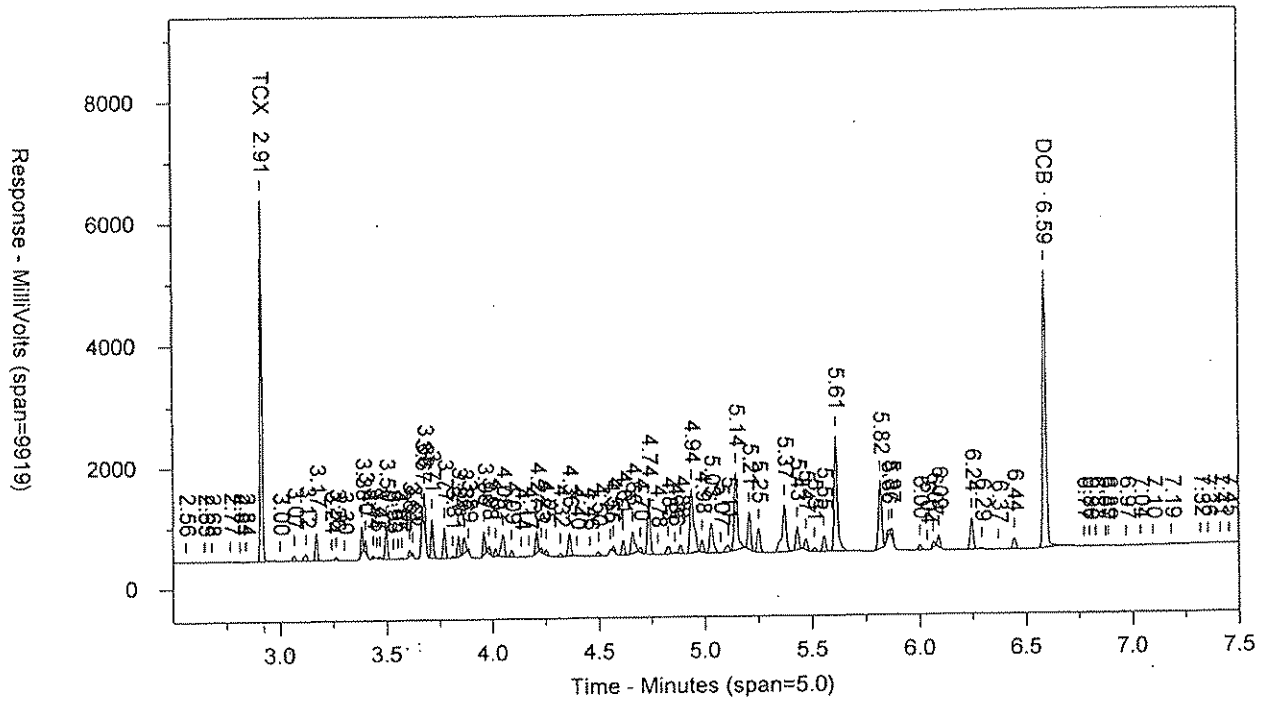

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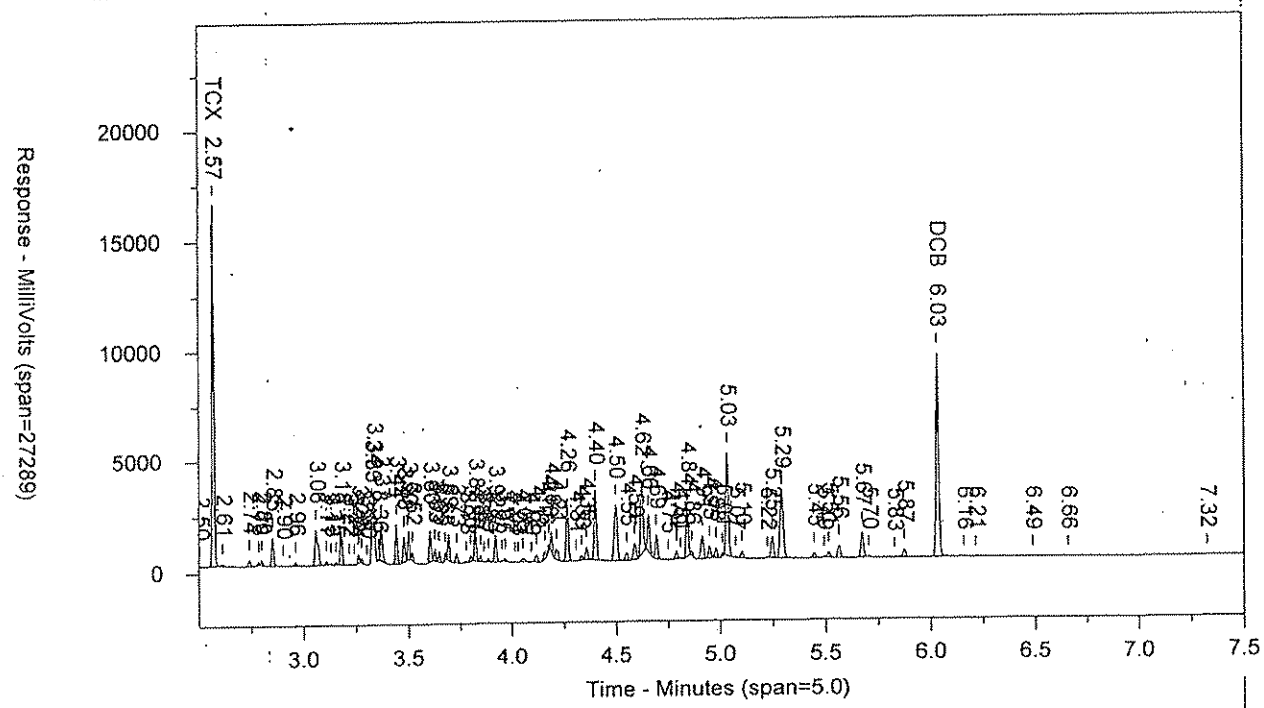


LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:57:10 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.578		11611	69659
1.979		9002	12559
2.091		23397	40184
2.146		7281	25087
2.212		45012	51598
2.304		14093	21590
2.323		22912	30079
2.37		12440	25825
2.46		7718	27893
2.486		7634	22132
2.557		18125	20428
2.648		2036	1118
2.69		1262	763
2.728		1500	1998
2.766		16166	18558
2.834		6810	11368
2.874		1599	1395
2.913	TCX	9225219	6177027
3.065		206899	176166
3.122		244542	229983
3.169		1106348	781584
3.241		15391	8432
3.262		132512	92721
3.301		2987	2128
3.382		1107157	669182
3.399		482478	260081
3.436		121089	71142
3.451		40768	17059
3.468		95948	55102
3.497		1350410	994923
3.532		5572	2896
3.551		17672	10365
3.57		56456	36464
3.606		265158	154010
3.62		130341	64642
3.664		580666	317949
3.675		1506900	787048
3.711		1659032	1229353
3.77		1319851	1036169
3.809		91245	64308
3.836		856377	628811
3.864		653636	537253
3.885		180160	88477
3.959		943208	682730
3.983		292615	195407
4.014		341626	249587
4.05		922310	968504
4.089		287791	239668
4.135		40831	30496
4.172		45125	37504
4.207		941715	667635
4.227		214647	125501
4.251		245783	179959

RT A	Compound A	Height A	Area A
4.318		123675	112503
4.361		943481	862665
4.394		25829	16705
4.457		10855	9510
4.496		171771	183321
4.553		79112	53946
4.567		188167	134569
4.613		595843	541967
4.658		911247	1027568
4.695		205041	155932
4.735		2251056	2034497
4.777		29220	29776
4.825		314024	364577
4.857		46487	30802
4.882		358989	326449
4.934		2703115	3285111
4.984		487156	435726
5.028		1295518	1393263
5.07		24046	14230
5.106		259963	319154
5.143		3299911	3509499
5.205		1517105	1422545
5.249		988732	944789
5.351		35146	96244
5.371		1702682	1543465
5.429		922178	857734
5.469		471400	410203
5.509		145555	143424
5.554		670398	631953
5.61		5106237	5200210
5.816		2938510	2959637
5.859		94609	227718
5.869		280125	190266
6.001		166782	165758
6.065		158472	123691
6.087		484606	402787
6.244		1304055	1276481
6.288		76973	73675
6.441		392951	403309
6.586	DCB	7166625	7556495
6.74		3476	4359
6.833		1265	662
6.881		4113	7310
7.004		2088	1090
7.038		6867	8721
7.076		1307	1286
7.14		1612	983
7.223		1246	491
7.261		1438	1838
7.296		923	610
7.324		1157	469
7.35		1468	643
7.429		485	1283
7.489		1523	3444
7.569		1425	1272
7.634		2079	1174
7.686		1113	1114
7.82		1613	3574
7.866		826	1096
7.939		1172	696
7.989		1225	2414
8.017		1558	652
8.109		1166	451
8.171		2140	2009
8.233		890	1499
8.289		1656	1004

RT A	Compound A	Height A	Area A
8.345		1714	2606
8.446		1627	899
8.494		4774	6700
8.559		1387	1815
8.66		20932	63633

LANCASTER LABORATORIES

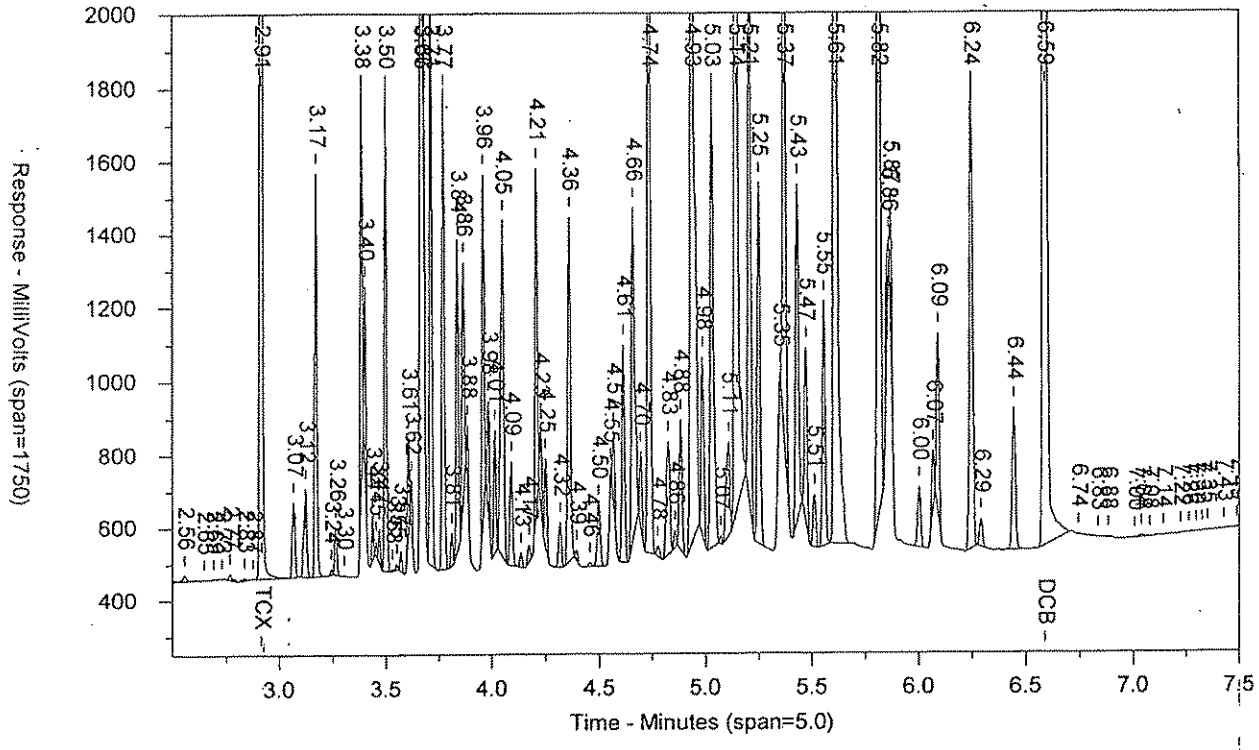
Sample Number: AR1641624B AAAR164AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:57:10 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.521		3187	7121
1.68		4126	11879
1.738		8130	11271
1.766		8689	12584
1.853		8995	38934
1.889		107476	104642
1.961		38679	74214
2.013		42152	38412
2.074		1430	1042
2.106		1910	2591
2.168		3161	4463
2.193		9092	9727
2.256		37522	27803
2.321		3256	2465
2.348		1327	924
2.375		1807	3031
2.43		2478	1464
2.504		38319	26518
2.525		5474	2923
2.568	TCX	25653250	15408280
2.612		256532	191452
2.739		647377	434144
2.784		227425	108136
2.799		500015	278228
2.851		3104681	1922974
2.9		50671	28843
2.961		390442	254745
3.057		3920561	3771752
3.109		459225	282330
3.129		233886	128904
3.154		308727	177115
3.178		3938191	2557230
3.215		175712	102614
3.242		46884	22626
3.261		938857	494082
3.276		509326	244078
3.302		5216	2392
3.327		1875530	942196
3.335		4135918	1808072
3.356		82106	29901
3.369		4021453	2719747
3.442		4361274	2742363
3.478		2925705	1777843
3.501		3215784	1753635
3.519		928385	446738
3.603		3429567	2140256
3.626		1282641	680385
3.646		1202086	713566
3.675		849662	442067
3.691		2989201	1770325
3.731		1068466	741707
3.778		203111	176538
3.8		731098	432519
3.821		3931227	2499503

3.846		746843	431725
3.865		103793	48613
3.885		421224	268599
3.92		3063348	2080642
3.952		160312	86934
3.966		238544	142914
4.012		8363	4542
4.028		27443	17270
4.05		385521	442293
4.09		33680	19205
4.116		815104	578569
4.156		878629	513650
4.174		754095	359079
4.187		2183101	1198540
4.213		1179639	1185739
4.264		7242771	5369468
4.308		93358	102376
4.332		596864	378842
4.356		1336978	1041874
4.398		8230817	6012053
4.498		6482718	6385257
4.549		856237	704327
4.588		1799896	1546303
4.622		8174159	6872244
4.655		3935891	2913596
4.692		2701445	2015823
4.75		9522	10497
4.789		842847	608168
4.806		86674	43572
4.839		5071431	4020231
4.861		542552	328726
4.911		2676034	2347632
4.946		1290938	1031214
4.977		1053698	856755
5.008		332536	196316
5.031		12025340	10107510
5.072		207107	148674
5.102		633844	518423
5.222		111259	70953
5.245		2348425	1907703
5.29		7463912	8207099
5.445		411885	353406
5.492		133877	92128
5.513		419960	318757
5.562		1320799	1150794
5.672		2826296	2393973
5.703		134176	101688
5.822		4422	4867
5.871		824853	742953
5.99		2189	1629
6.03	DCB	14116430	12406230
6.167		4811	3372
6.206		5652	5037
6.23		3267	2395
6.359		2685	4903
6.485		10866	11002
6.557		2370	1906
6.656		2320	1504
7.204		995	879
7.461		864	1169
7.526		638	1358
7.878		947	604
8.319		977	246

AR1641624B AAAR164AA ICAL 1624199999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0010.RAW



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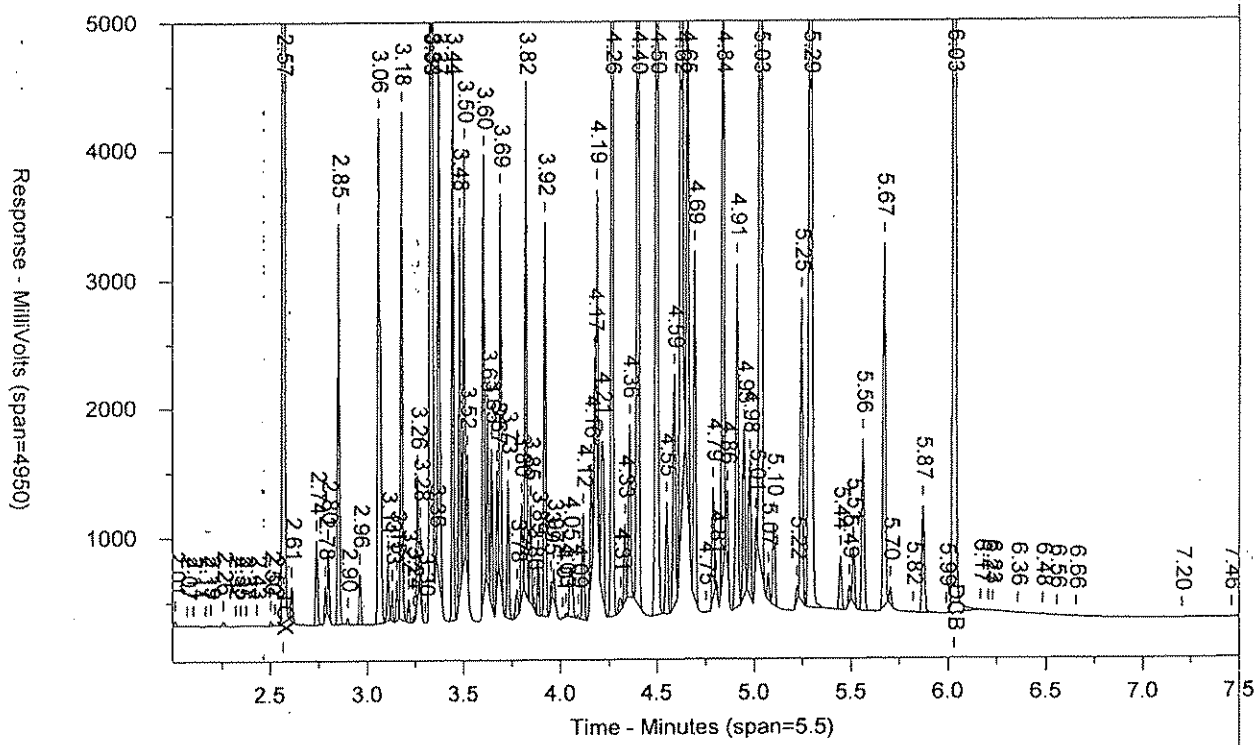

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 4:57:10 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.913	9225219	62.689	TCX	2.568	25653250	62.384	TCX
6.586	7166625	59.698	DCB	6.03	14116430	59.523	DCB

Files:
Area File: 07pcbs16242001.0010.RAW
Area File: 07pcbs16242001B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 5:05:52 PM
File Reported On: 8/29/2016 at 6:53:06 PM

AR1641624B AAAR164AA ICAL 1624199999 10736 SW-846 8082

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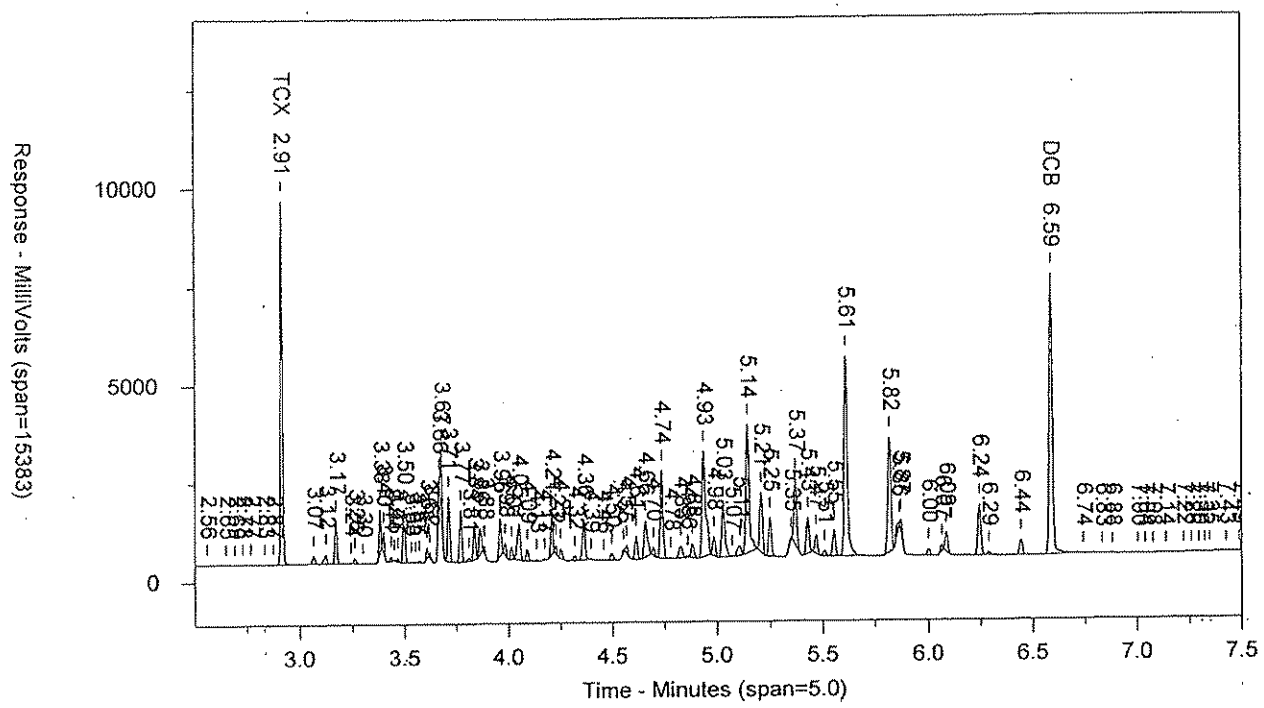

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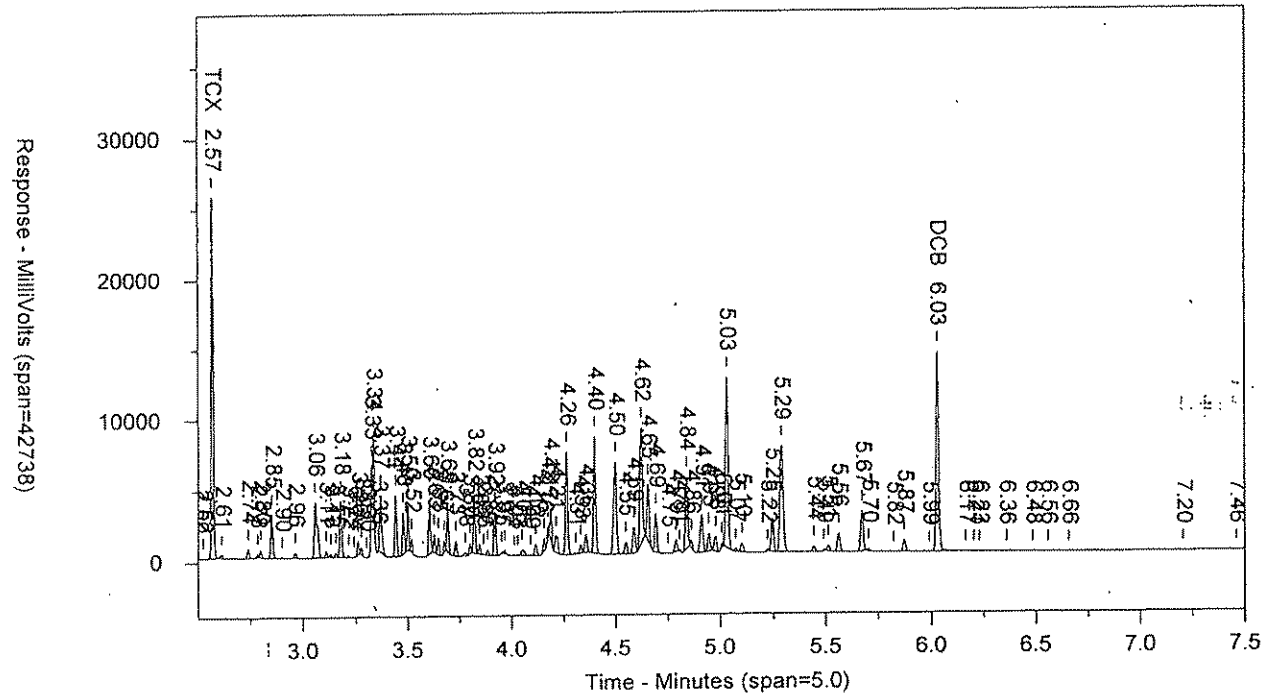

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:08:25 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.556		2161	16795
1.721		5270	4308
1.98		11799	17406
2.031		12263	42668
2.092		30484	75011
2.192		10611	8495
2.212		61355	85654
2.303		14236	16482
2.322		28627	31761
2.369		11576	22477
2.421		5894	6463
2.46		3321	1974
2.557		28307	22121
2.646		2182	1379
2.766		17633	18836
2.834		7706	9207
2.878		1444	927
2.913	TCX	12441440	8238124
3.015		2876	2709
3.065		387696	334435
3.122		460798	396441
3.169		2232925	1546938
3.24		19755	11132
3.261		259850	181123
3.3		6638	4439
3.381		2183587	1337459
3.398		1033932	541368
3.434		243333	139711
3.45		73598	30555
3.466		189325	105183
3.496		2843663	2012869
3.53		11248	5621
3.55		24850	15013
3.569		108825	71977
3.605		544842	306476
3.619		257678	124536
3.664		964199	616700
3.674		3210105	1660368
3.71		3442611	2513971
3.769		2809848	2136514
3.808		180015	130220
3.835		1709237	1259566
3.863		1321497	1094922
3.884		367049	182646
3.959		1982473	1399279
3.983		608543	407606
4.013		697015	497327
4.049		1969466	1989152
4.089		562756	467604
4.134		79017	60465
4.172		80146	68336
4.206		1889431	1386242
4.227		455336	261205

RT A	Compound A	Height A	Area A
4.25		492763	357108
4.317		251265	220281
4.36		1884686	1741490
4.394		49495	32788
4.456		22047	17684
4.497		303044	320640
4.554		132457	96730
4.567		385154	265460
4.613		1203106	1085990
4.658		1951645	2080066
4.695		424960	306987
4.735		4612088	4179105
4.777		46691	47495
4.825		649431	721647
4.857		73824	47802
4.882		729954	653934
4.934		5285009	6735892
4.984		960602	856400
5.028		2631716	2879838
5.069		41722	24830
5.106		497565	595974
5.144		6631889	6231875
5.166		144263	71598
5.205		3275175	2924570
5.249		2000726	1930886
5.371		4210439	5465264
5.429		1895130	1735671
5.468		958753	833797
5.509		251930	245700
5.554		1367943	1307793
5.609		10827370	10874850
5.816		5988844	6203501
5.855		177153	301395
5.869		784788	599866
6		244747	241334
6.064		240124	182873
6.087		995731	848014
6.243		2655599	2626937
6.288		162694	152377
6.403		1344	984
6.442		754510	751402
6.507		1415	611
6.587	DCB	10074630	10240900
6.726		3061	3221
6.791		3509	1494
6.984		1438	366
7.039		9121	11648
7.13		1217	1173
7.177		1490	1322
7.245		1944	2408
7.29		1811	1495
7.328		1512	1248
7.374		1169	1088
7.412		1419	1827
7.489		1109	1184
7.562		1001	1998
7.607		1567	1347
7.744		2495	3297
7.798		1441	1332
7.837		1587	1345
7.875		1409	1110
7.974		1196	2102
8.062		2019	2466
8.111		1596	2237
8.159		1388	893
8.259		1031	1232

RT A	Compound A	Height A	Area A
8.291		961	371
8.348		1641	1489
8.426		2017	923
8.451		1284	971
8.484		3371	5492
8.583		1905	1120
8.625		1745	980

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:08:25 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.516		2277	3462
1.552		13549	10092
1.679		2732	4497
1.736		2573	2387
1.826		7801	32900
1.889		135064	112804
1.961		35505	71758
2.013		54109	47452
2.074		1493	1327
2.104		2977	3092
2.168		2437	2973
2.193		7569	8315
2.256		72009	52166
2.321		3163	2303
2.349		1177	822
2.376		3160	4151
2.428		2994	8930
2.504		41094	26217
2.526		12548	6713
2.568	TCX	35089580	20838400
2.612		471081	361416
2.739		1243509	827569
2.784		260820	121344
2.799		974321	556504
2.851		5968163	3720897
2.899		67026	37765
2.961		755946	487525
3.057		7500701	7319581
3.108		884144	544158
3.129		451170	247348
3.154		599197	338164
3.178		7691306	4987242
3.215		331837	193966
3.242		66695	31325
3.261		1915506	979857
3.275		1030562	484348
3.301		10047	4354
3.326		3041397	1785039
3.335		8817303	3747395
3.355		161986	53658
3.369		8027226	5477039
3.442		8950888	5554090
3.478		5710159	3537863
3.501		6464179	3512079
3.518		1816434	888000
3.603		6921236	4413804
3.625		2570182	1366018
3.646		2405989	1424133
3.674		1830371	901600
3.691		6355866	3655958
3.73		2089111	1460852
3.777		382557	325253
3.799		1432169	865574
3.821		7888780	5067362

3.845		1478518	869649
3.864		204509	97546
3.884		816053	504457
3.919		6227812	4187198
3.952		286640	159426
3.966		446076	270754
4.01		16707	8703
4.027		54542	34805
4.049		679686	792988
4.09		57128	32953
4.115		1625614	1147577
4.156		1690893	1020743
4.174		1489752	748066
4.188		4584256	2555619
4.213		2396289	2384881
4.263		14569360	10931550
4.31		155883	180080
4.332		1200107	774290
4.356		2787761	2078849
4.398		17347740	12579190
4.497		13439340	13137080
4.548		1713097	1385389
4.587		3631029	3070080
4.622		17560890	14649440
4.654		8483908	6039951
4.692		5714215	4262310
4.749		7975	4322
4.788		1685715	1231784
4.805		153964	76653
4.838		10882240	8362516
4.861		1151616	691799
4.911		5510208	4776559
4.946		2674313	2080210
4.977		2107474	1674672
5.008		801869	471187
5.03		26256500	21566090
5.072		414475	311002
5.102		1067714	867852
5.145		7475	3691
5.182		6887	5310
5.221		220639	142706
5.245		4798151	3907645
5.29		16255800	17271300
5.409		6986	4664
5.445		580236	502782
5.492		285888	203981
5.513		549759	413940
5.562		2693650	2262671
5.672		5857419	4949747
5.703		272874	200098
5.872		1566476	1371311
5.993		3157	1573
6.03	DCB	19381160	16713080
6.203		8557	15268
6.362		2254	10670
6.484		15006	13591
6.555		3663	4355
6.657		3177	3318
7.04		1979	2211
7.207		975	887
7.364		2146	2031
7.492		1754	2661
7.68		858	284
7.884		1799	676
7.904		825	526
8.386		1884	3060
8.619		1298	2545

AR1651624B AAAR165AA ICAL 1624199999 10736 SW-846 8082

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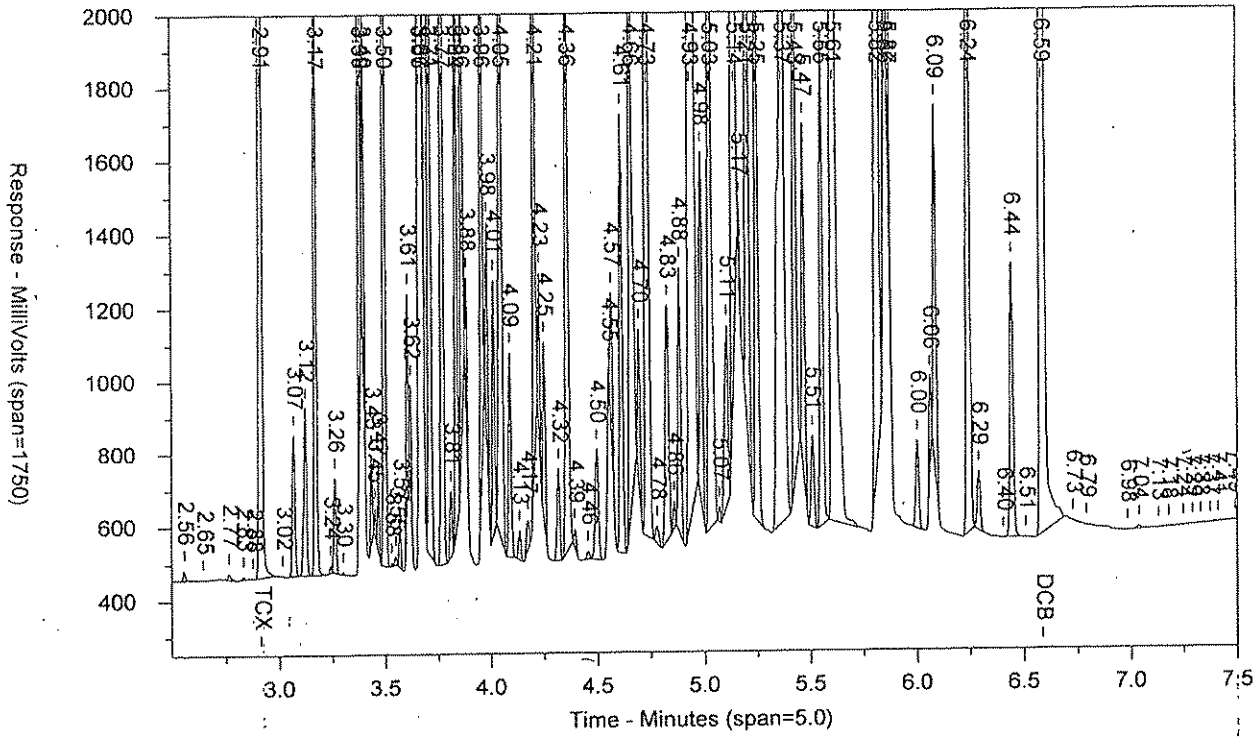

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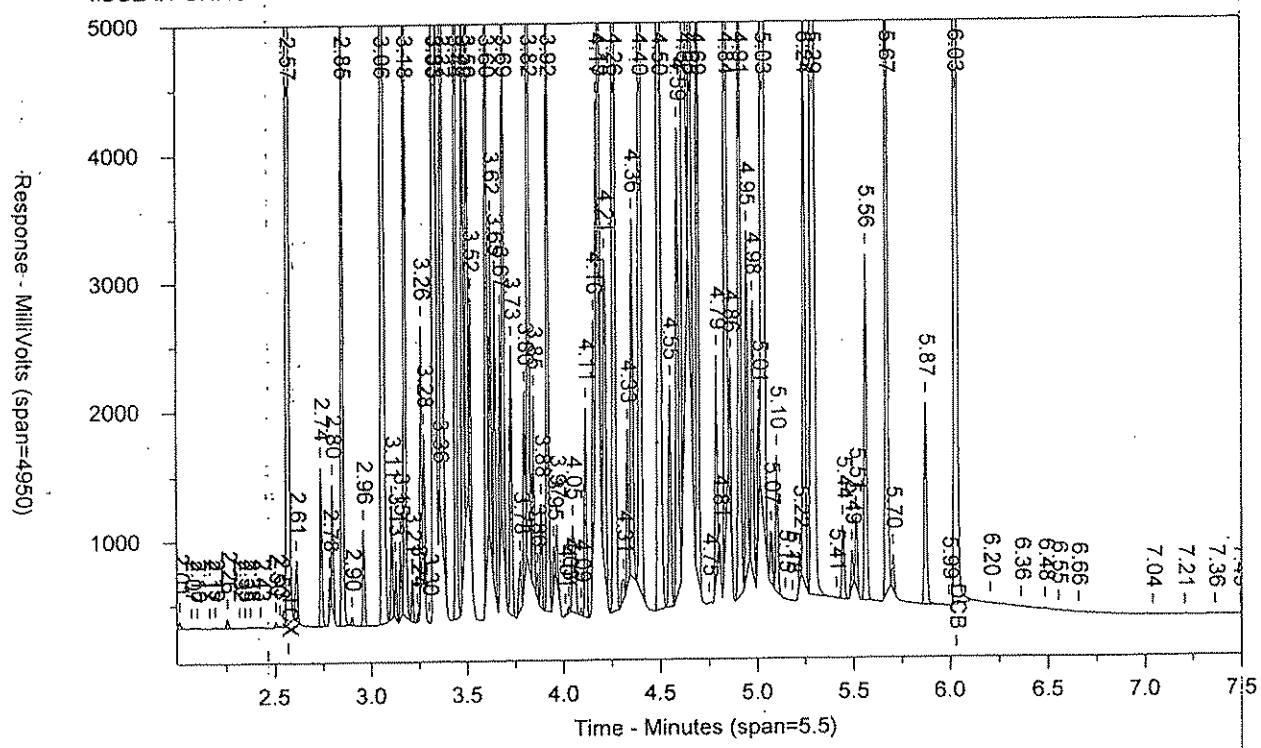


LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:08:25 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

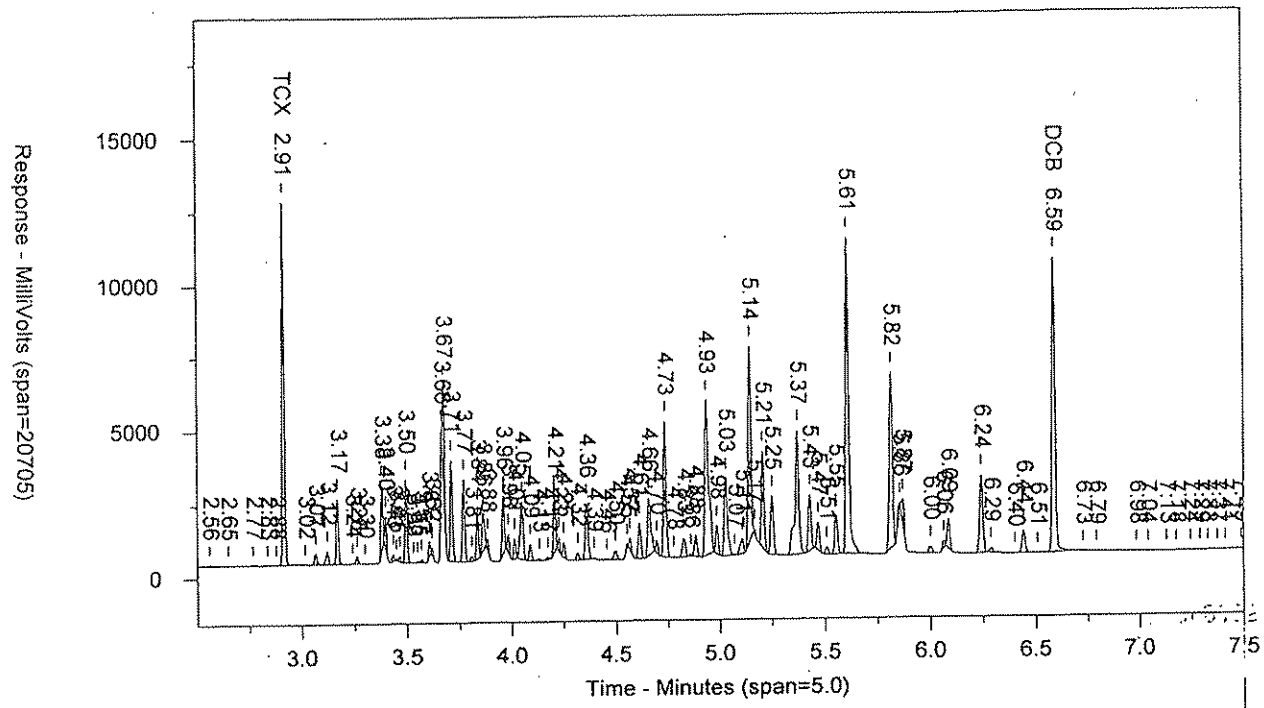
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.913	12441440	84.544	TCX	2.568	35089580	85.331	TCX
6.587	10074630	83.921	DCB	6.03	19381160	81.722	DCB

Files:
Area File: 07pcbs16242001.0011.RAW
Area File: 07pcbs16242001B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 5:17:09 PM
File Reported On: 8/29/2016 at 6:53:16 PM

AR1651624B AAAR165AA ICAL 1624199999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242001.0011.RAW



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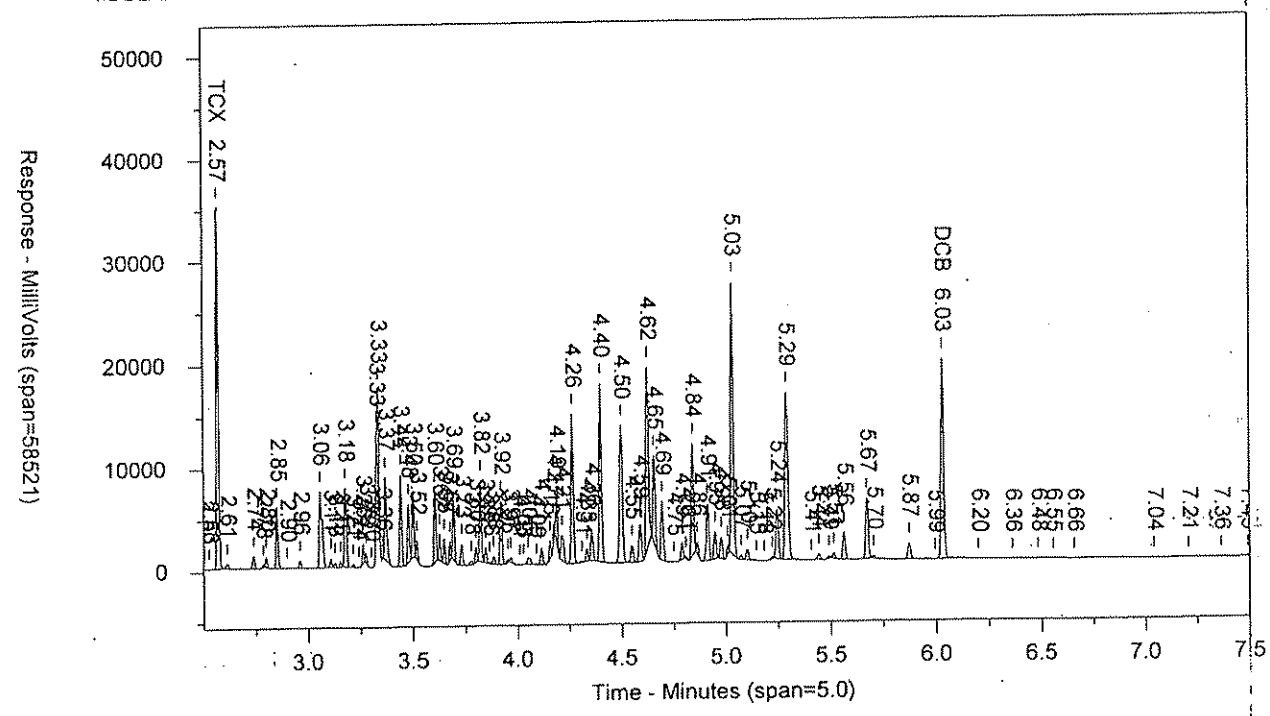

LANCASTER LABORATORIES

Sample Number: AR4811624A AAAR481AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:19:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.545		2275	9161
1.721		2348	2152
1.843		1484	565
1.976		10434	16174
2.037		9457	32941
2.092		34541	68889
2.139		10144	22230
2.187		5524	7255
2.211		6195	8476
2.243		3000	3983
2.303		9375	6736
2.371		7558	13993
2.423		5010	6995
2.461		3998	6207
2.483		4849	7868
2.547		1660	830
2.651		1103	711
2.736		1343	3167
2.766		7773	10537
2.818		2389	1569
2.84		2716	2061
2.878		1177	445
2.913	TCX	583118	402662
3.006		1587	1424
3.064		6285	6421
3.112		9088	11734
3.17		25967	20873
3.241		2316	1371
3.261		5085	4232
3.313		1664	1390
3.382		70620	43142
3.398		18832	9719
3.434		4878	2493
3.497		63790	47313
3.548		1825	2407
3.57		3984	2699
3.606		13467	7813
3.663		56407	30183
3.674		57810	31742
3.71		88233	67614
3.768		85391	67838
3.809		10296	6590
3.835		142902	107122
3.862		94072	77144
3.884		26387	14908
3.958		153902	116605
3.982		44098	28201
4.013		53534	39279
4.048		125193	122068
4.088		44999	37783
4.134		4514	3614
4.173		14864	14224
4.206		111658	77015

RT A	Compound A	Height A	Area A
4.227		132181	87332
4.25		150241	107588
4.316		12711	12309
4.356		134527	115908
4.378		31932	16971
4.393		15690	9946
4.43		2189	1385
4.457		5992	4022
4.499		43018	41603
4.551		62730	54261
4.583		35265	26296
4.613		107122	94607
4.657		2676	2197
4.697		42417	37710
4.734		7209	5510
4.784		11548	12092
4.827		76023	70326
4.857		2734	1806
4.907		4919	5974
4.933		6383	4237
4.952		4502	2831
4.982		1782	1459
5.027		69220	70629
5.072		2123	1373
5.097		7156	7588
5.143		19411	17815
5.167		2814	3176
5.247		2637	5897
5.356		7795	13416
5.44		9395	17829
5.507		6603	7946
5.552		3577	2735
5.586		1365	721
5.609		4551	3173
5.629		6302	4899
5.814		8134	10016
5.868		1726	1885
6.001		11829	13017
6.065		11537	10209
6.087		2939	2764
6.244		4053	3828
6.276		1260	302
6.305		1472	681
6.41		1606	5641
6.442		7608	9790
6.586	DCB	530127	556536
6.694		1716	1113
6.734		1334	1119
6.892		5110	19070
7.011		1124	737
7.062		1508	2980
7.113		1737	2667
7.155		1094	868
7.226		1184	1630
7.275		802	2544
7.319		1133	373
7.421		600	1684
7.516		1372	1145
7.545		1222	1260
7.559		1483	631
7.644		2101	1869
7.677		1268	1003
7.705		1242	943
7.765		1117	3028
7.964		1277.0	3896
7.996		1422	1118

RT A	Compound A	Height A	Area A
8.055		1227	502
8.078		1542	764
8.16		1571	1977
8.198		1266	1074
8.255		1709	2186
8.44		2055	726
8.489		4334	10100
8.662		20487	62588

LANCASTER LABORATORIES

Sample Number: AR4811624A AAAR481AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:19:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.519		4089	6068
1.551		5565	3347
1.621		3550	4557
1.683		2977	6724
1.736		6787	10283
1.766		5897	6974
1.82		4623	8812
1.843		5815	10699
1.886		28650	21203
1.96		44754	63683
2.078		1928	1662
2.163		4581	4844
2.194		8735	8671
2.258		2246	2530
2.321		2016	1579
2.349		1295	706
2.428		2395	4894
2.504		22173	19439
2.568	TCX	1604224	1001804
2.612		4287	2897
2.74		15989	11461
2.784		19640	10450
2.799		5396	2727
2.851		71516	46031
2.899		4127	2509
2.962		13715	8662
3.058		247493	215506
3.109		18288	12201
3.13		6203	4599
3.154		5286	2810
3.178		194242	127394
3.216		9510	6212
3.242		2511	1047
3.261		38034	20001
3.278		28537	16574
3.326		140154	73004
3.335		189398	76188
3.356		27431	11097
3.369		190464	118235
3.442		275944	172992
3.478		483290	296488
3.5		424203	238313
3.518		141557	69556
3.603		557648	343404
3.625		181993	96609
3.646		188670	108604
3.674		88046	44208
3.691		392780	238556
3.73		158787	106602
3.778		27774	23345
3.799		293628	180576
3.822		707502	458279
3.846		476859	296002
3.864		27067	11815

3.885		46676	27393
3.919		221823	146353
3.952		365505	280295
3.979		166178	91371
4.026		27985	24233
4.06		129071	96259
4.115		220079	162872
4.147		122145	82403
4.174		325398	241232
4.213		6425	5491
4.265		140805	120287
4.3		28095	20105
4.332		192400	151072
4.397		29571	19409
4.422		13481	9613
4.493		32638	33564
4.545		170317	134534
4.591		15796	16811
4.623		48679	41725
4.654		4592	2145
4.689		4324	3119
4.723		2263	2470
4.752		861	733
4.772		1416	840
4.807		2082	1324
4.838		9550	6415
4.861		14443	10592
4.91		4965	5422
4.944		1961	1561
4.98		12230	10145
5.011		3174	2124
5.031		16984	15104
5.103		23264	19982
5.223		734	399
5.246		6981	5812
5.29		12812	13120
5.329		1164	925
5.445		26736	23003
5.513		33570	29915
5.562		11759	10545
5.618		1481	2785
5.672		7141	7584
5.872		16316	19016
6.031	DCB	1061613	974364
6.217		875	600
6.482		1259	1053
6.85		960	1375
7.191		770	898
7.388		766	678
7.472		703	242
7.787		1004	784
7.944		656	686
8.386		2450	12738
8.657		982	637

AR4811624A AAAR481AA ICAL 1624199999 10736 SW-846 8082

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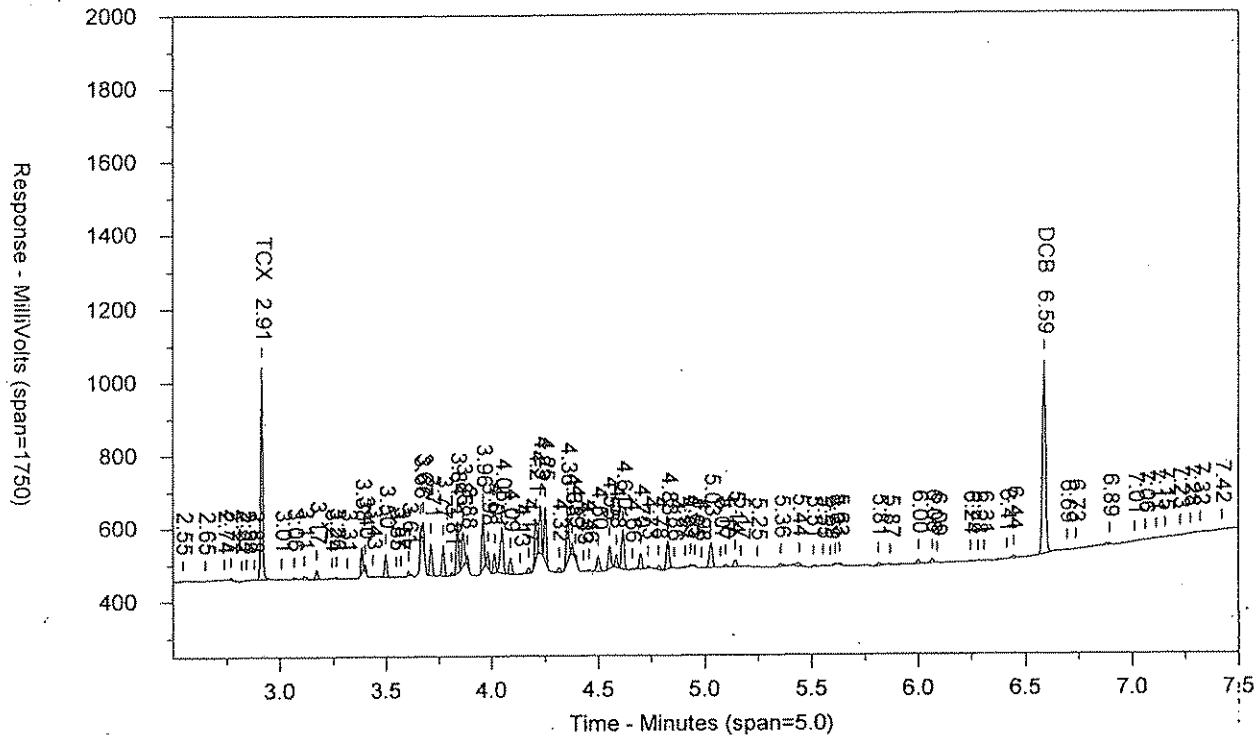

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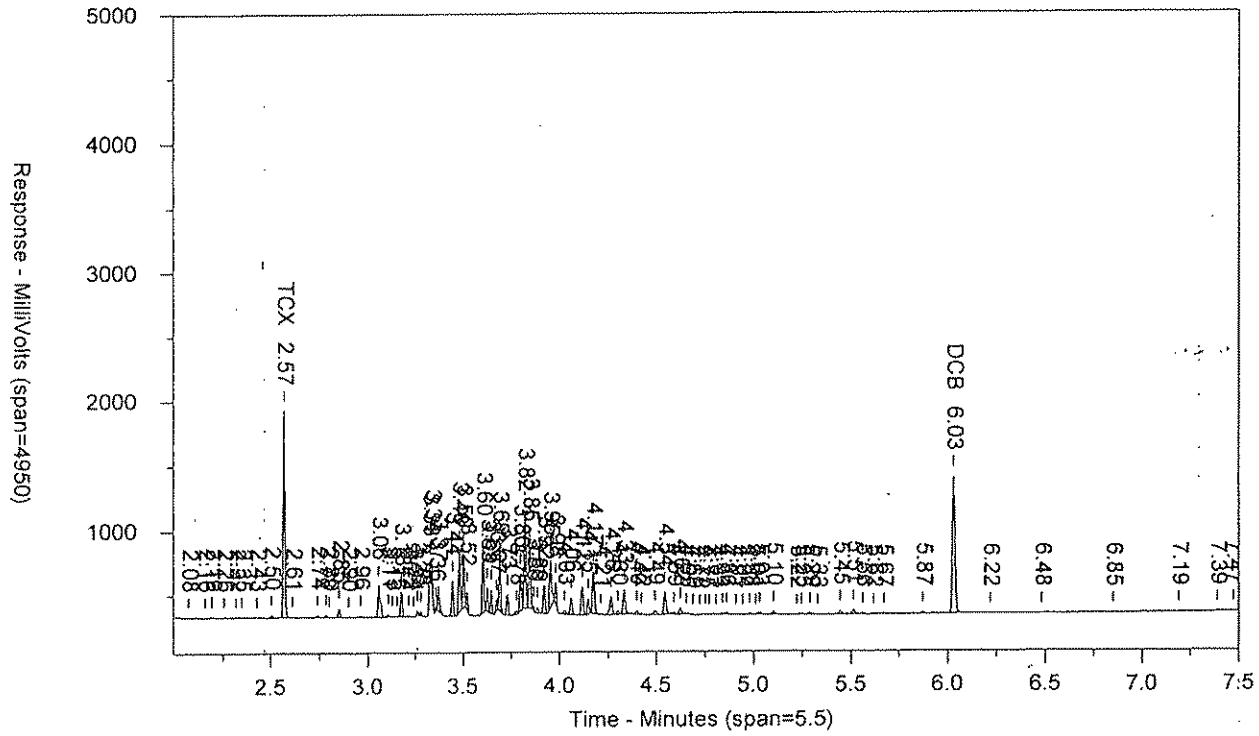

LANCASTER LABORATORIES

Sample Number: AR4811624A AAAR481AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:19:46 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.913	583118	3.963	TCX	2.568	1604224	3.901	TCX
6.586	530127	4.416	DCB	6.031	1061613	4.476	DCB

Files:
Area File: 07pcbs16242001.0012.RAW
Area File: 07pcbs16242001B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 5:28:28 PM
File Reported On: 8/29/2016 at 6:53:26 PM

AR4811624A AAAR481AA ICAL 1624199999 10736 SW-846 8082

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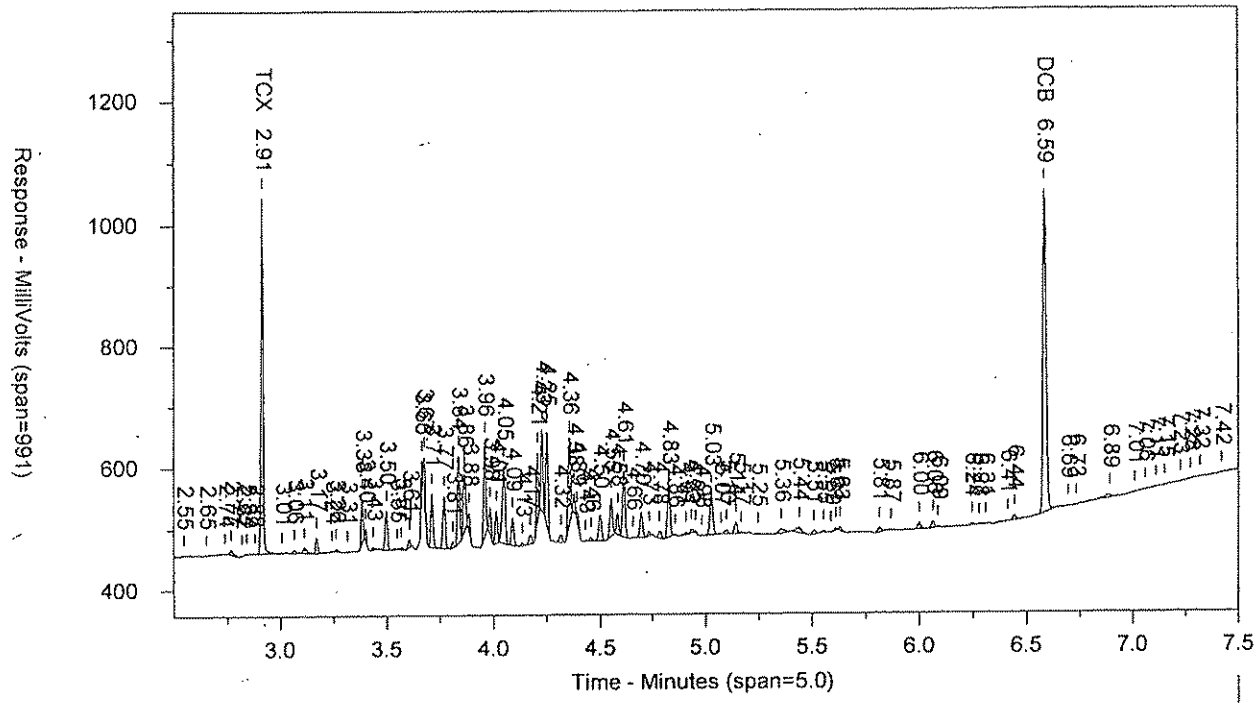

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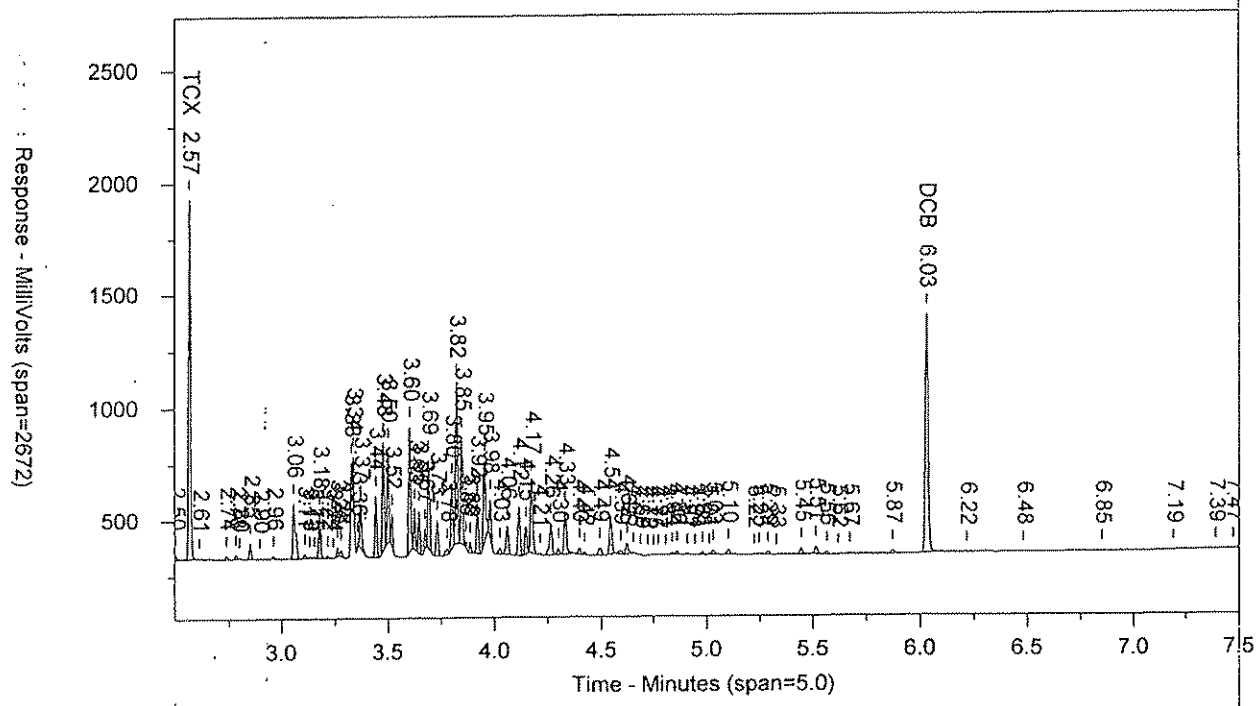

LANCASTER LABORATORIES

Sample Number: AR4821624A AAAR482AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:31:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.541		9907	18835
1.584		7700	16004
1.647		3615	5921
1.723		1658	1392
1.761		1715	1409
1.869		1707	1794
1.974		5506	6870
2.008		3123	2837
2.092		17862	27032
2.146		3358	5752
2.185		1783	1365
2.213		14317	10415
2.304		8302	8185
2.323		6864	7571
2.371		7182	12139
2.428		2851	3201
2.457		2812	5539
2.485		4006	7942
2.57		2836	4957
2.645		1337	754
2.677		1088	996
2.737		1787	3221
2.765		8892	9288
2.838		2745	2534
2.913	TCX	3071010	2014549
3.006		2510	2453
3.066		12797	12140
3.112		39030	32657
3.169		50877	37724
3.242		7206	4759
3.261		9437	6989
3.35		1140	972
3.382		133580	81801
3.398		40893	20390
3.435		9541	5714
3.45		3969	1644
3.467		3569	1930
3.497		128549	95131
3.551		5648	4576
3.57		9358	5689
3.606		25929	15222
3.621		6564	2904
3.664		109237	58092
3.675		119239	61434
3.711		170821	130193
3.768		157401	128636
3.809		22235	15062
3.836		270774	201747
3.863		173763	142092
3.884		51559	28917
3.959		303885	221926
3.983		82784	54263
4.013		102071	75641

RT A	Compound A	Height A	Area A
4.048		238731	235298
4.088		81706	70351
4.135		8377	6391
4.173		25522	23137
4.206		218546	151031
4.227		258170	168791
4.25		269995	206472
4.317		26894	25000
4.357		257874	220547
4.378		59971	31104
4.395		36016	18381
4.434		4186	3005
4.458		13453	10068
4.5		81056	74054
4.552		114756	101720
4.583		66195	49375
4.613		202211	176929
4.658		3996	2416
4.698		78908	72798
4.736		18876	21607
4.785		20694	18959
4.827		140747	128866
4.858		9609	6944
4.908		9439	8291
4.935		11751	8529
4.952		8353	5244
4.98		2220	2124
5.028		131761	132724
5.072		3152	2469
5.098		24561	24394
5.144		33674	31618
5.167		2236	1021
5.207		5189	4416
5.25		3474	4097
5.354		13950	21202
5.434		9915	21745
5.51		22124	23222
5.552		7242	6685
5.582		2041	1202
5.609		5638	3971
5.629		31605	28197
5.816		10825	12409
5.869		4583	8719
5.912		1386	757
6.001		49947	50187
6.065		55378	48189
6.086		7924	5610
6.244		5560	6453
6.283		1595	1923
6.371		2270	2054
6.442		32078	33460
6.545		1321	773
6.585	DCB	2362524	2472899
6.763		1785	1229
6.833		1244	2171
6.888		5527	10501
6.962		1472	786
7.049		1925	5739
7.131		1286	3670
7.187		1183	1050
7.213		1428	901
7.254		1203	960
7.333		1208	312
7.36		1280	451
7.398		1734	1132
7.453		1400	1158

RT A	Compound A	Height A	Area A
7.529		1401	1235
7.601		1077	622
7.657		1710	1325
7.69		1259	1457
7.736		1118	585
7.79		1495	582
7.881		1437	875
7.927		1291	1363
7.968		678	916
8.234		2048	1582
8.359		927	2145
8.481		3995	7872
8.563		1366	412
8.662		6856	16246

LANCASTER LABORATORIES

Sample Number: AR4821624A AAAR482AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:31:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.513		5034	6871
1.552		3778	2744
1.621		4750	5312
1.687		6553	14135
1.736		5535	5595
1.823		4562	8966
1.846		6905	13002
1.888		46659	45425
1.961		30902	61198
2.013		16803	18029
2.072		2209	3126
2.117		1792	2342
2.166		2685	2551
2.193		6690	7111
2.258		3269	3305
2.319		2231	1882
2.369		2269	1904
2.428		1706	1254
2.504		24255	18336
2.568	TCX	8649786	5090341
2.612		8178	4212
2.74		39047	27100
2.784		94273	50694
2.799		11575	4887
2.851		142859	89002
2.899		17395	10591
2.962		27936	17260
3.057		467704	410889
3.108		33403	20248
3.129		15947	9977
3.154		10822	5487
3.178		373475	248138
3.216		25034	15151
3.242		14430	6939
3.261		78320	40391
3.277		36709	19837
3.326		311712	154233
3.335		368780	148745
3.355		65627	25555
3.369		373040	231687
3.442		535731	334236
3.478		902131	560984
3.501		823058	450147
3.518		249906	125639
3.603		1053367	671967
3.625		337209	180669
3.646		366157	212115
3.674		168337	85128
3.691		738485	454824
3.73		302744	206595
3.778		58383	46373
3.799		563009	347474
3.821		1373616	885947
3.846		920646	567187

3.864		60162	26510
3.885		86400	48528
3.902		3932	1225
3.919		406118	277301
3.952		721614	539481
3.979		320486	183700
4.026		53725	39904
4.059		246741	184852
4.09		4537	2170
4.115		429894	310464
4.147		238439	159945
4.174		619404	463908
4.211		11911	10572
4.264		262415	232571
4.3		53572	39127
4.332		368119	286168
4.371		22801	13519
4.398		49381	31460
4.421		21798	14367
4.492		59665	63107
4.545		325632	270047
4.593		63908	55103
4.623		91909	77064
4.654		6070	2846
4.69		7124	4573
4.748		1416	4191
4.771		1175	631
4.79		2204	1438
4.808		2884	1754
4.838		16388	11018
4.862		27530	21023
4.907		10542	11447
4.946		3811	2539
4.98		48415	39562
5.009		7500	5025
5.03		28018	24974
5.102		104220	92370
5.245		13787	11374
5.291		23580	25830
5.445		120135	106050
5.513		158577	135015
5.562		42279	35622
5.672		11994	10569
5.829		1796	1925
5.871		66337	57419
5.966		774	538
6.03	DCB	4589996	4193472
6.122		1923	983
6.18		1061	830
6.202		1041	716
6.487		3904	5998
6.597		1076	1691
6.655		1071	552
7.134		786	672
7.31		1214	1041
7.382		1257	2370
7.518		902	2079
7.874		1162	1359

AR4821624A AAAR482AA ICAL 1624199999 10736 SW-846 8082

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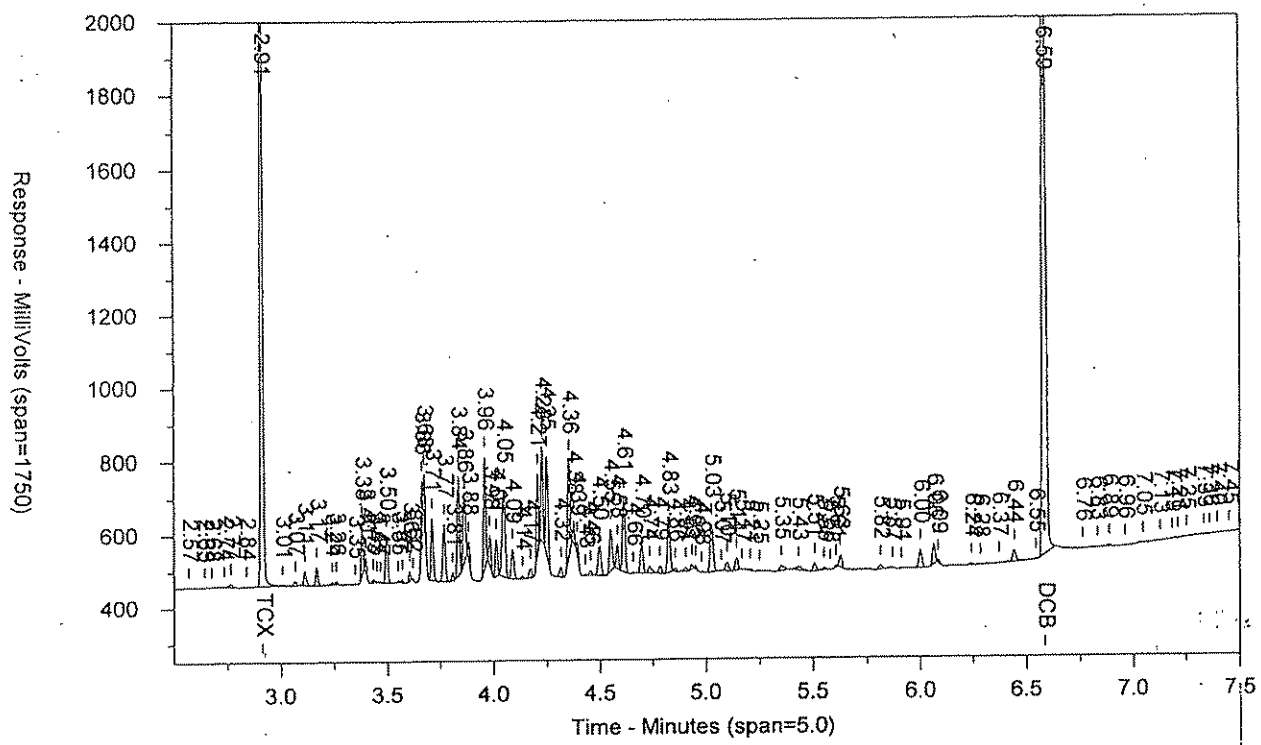

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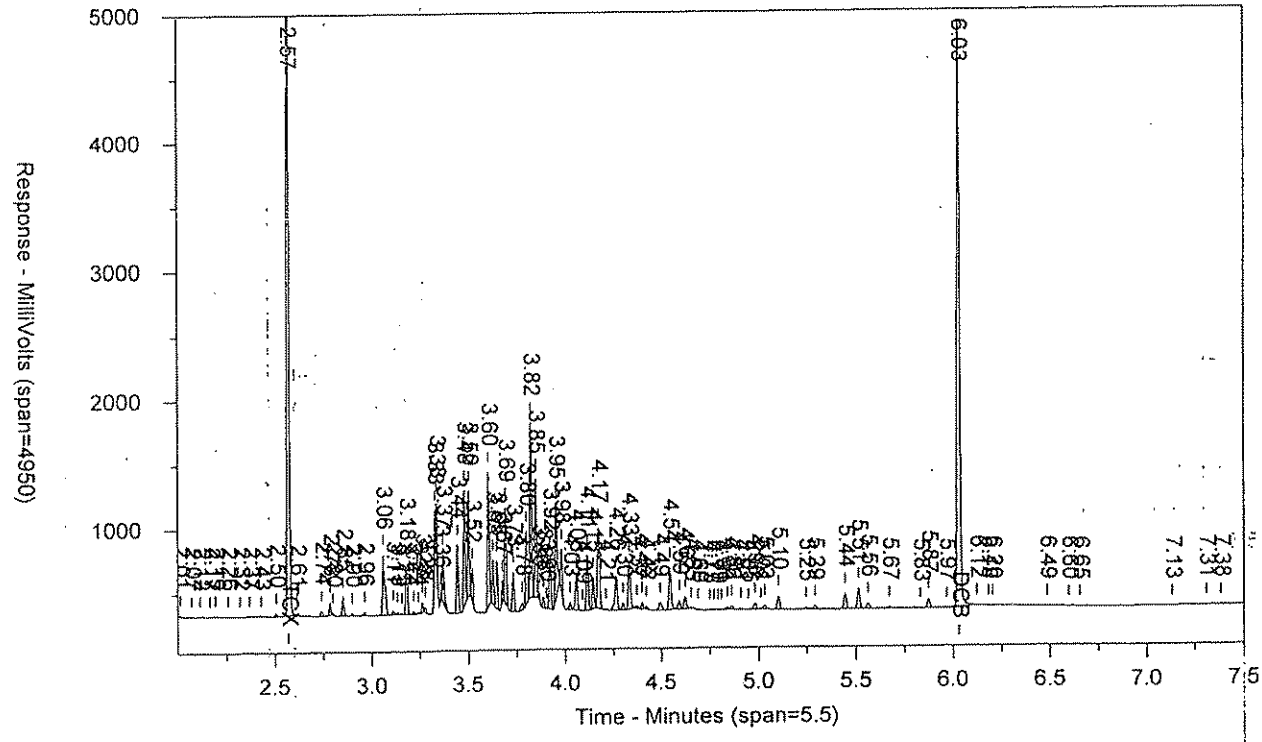

LANCASTER LABORATORIES

Sample Number: AR4821624A AAAR482AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:31:07 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.913	3071010	20.869	TCX	2.568	8649786	21.035	TCX
6.585	2362524	19.68	DCB	6.03	4589996	19.354	DCB

Files:
Area File: 07pcbs16242001.0013.RAW
Area File: 07pcbs16242001B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 5:39:49 PM
File Reported On: 8/29/2016 at 6:53:36 PM

AR4821624A AAAR482AA ICAL 1624199999 10736 SW-846 8082

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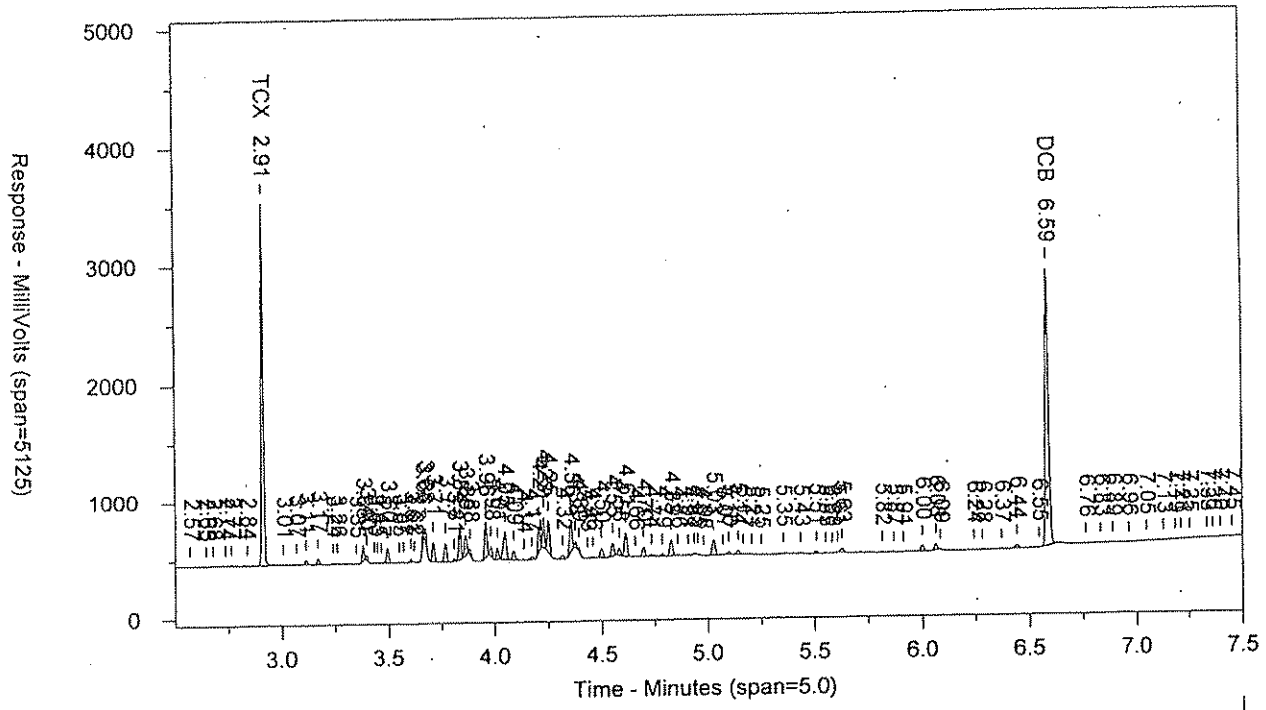

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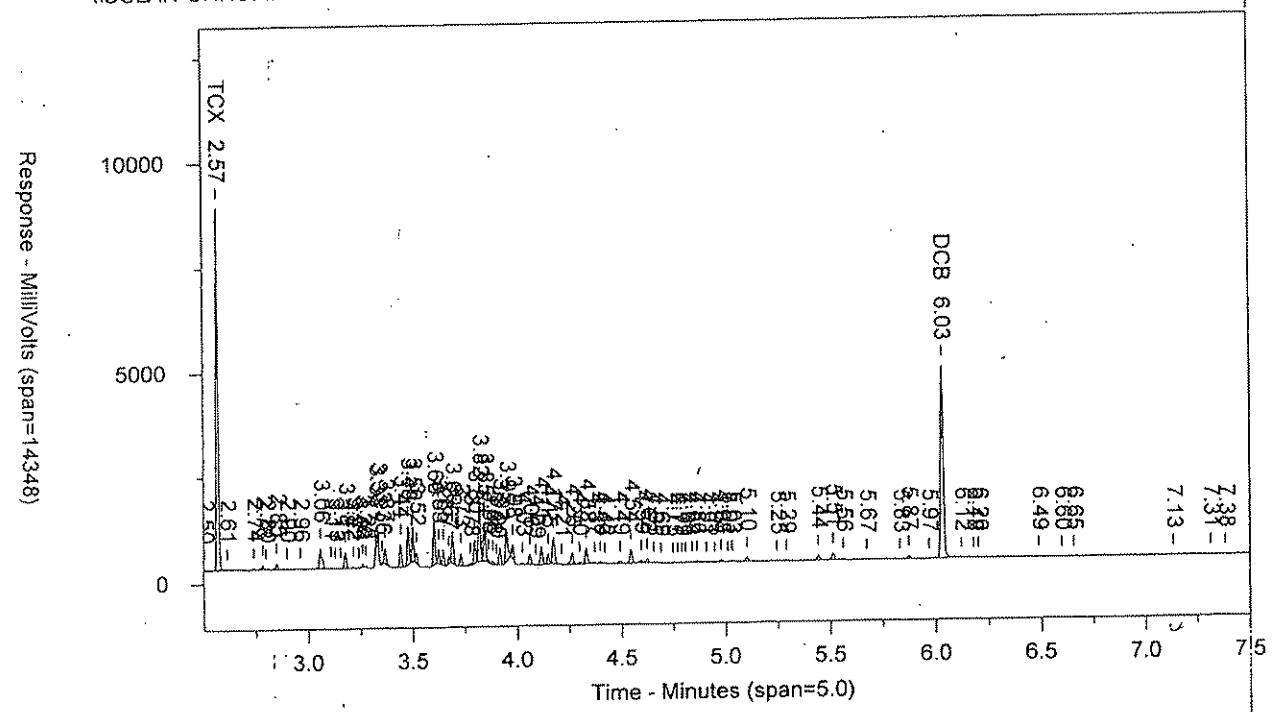

LANCASTER LABORATORIES

Sample Number: AR4831624A AAAR483AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:42:35 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0014.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.551		2877	12126
1.731		2163	3290
1.766		2758	4792
1.843		1002	2964
1.871		1198	930
1.979		4450	5670
2.092		18701	31815
2.139		2693	1983
2.213		27282	19624
2.304		15863	11184
2.324		10141	7369
2.368		5792	10603
2.419		1736	1059
2.484		2818	3752
2.561		4480	6421
2.715		1777	3694
2.751		1718	902
2.766		10001	6749
2.813		2274	1171
2.84		4942	6221
2.914	TCX	6238285	3986596
3.003		2487	1297
3.067		25002	22307
3.112		74067	61230
3.17		93930	67189
3.242		12005	7405
3.262		17328	11355
3.382		239868	147419
3.398		70579	36005
3.435		17121	9834
3.451		7353	3327
3.468		5717	2970
3.497		227827	169677
3.552		11496	6461
3.57		15972	10106
3.606		44561	26374
3.62		11772	4989
3.664		210083	113856
3.675		219146	110185
3.711		311499	240897
3.769		291946	237721
3.809		37517	24819
3.836		505792	365284
3.863		310648	258760
3.885		107992	56574
3.959		543569	402142
3.984		146556	96925
4.014		185666	134765
4.049		438395	429460
4.089		152131	134182
4.137		16115	13669
4.173		44605	39442
4.207		371519	264955

RT A	Compound A	Height A	Area A
4.228		473802	311919
4.251		537700	388840
4.317		47767	45384
4.356		470403	403097
4.378		118853	65060
4.394		57626	32975
4.435		8802	6671
4.457		14980	10240
4.5		142973	141062
4.552		207202	186100
4.584		115472	88137
4.613		357528	320469
4.659		7721	7491
4.698		145779	129701
4.736		31850	38884
4.785		43218	41705
4.828		254037	240414
4.858		18308	12662
4.884		2653	1415
4.908		17768	15407
4.935		20015	14338
4.952		13905	8935
4.984		4087	3200
5.028		250313	241917
5.072		5524	3702
5.098		42410	44701
5.143		64620	56752
5.185		9330	13986
5.206		9052	6689
5.25		5829	8523
5.355		24243	38862
5.43		15847	53708
5.51		49204	57150
5.554		12513	11710
5.611		8105	5982
5.63		58120	49954
5.693		1720	770
5.816		28919	37795
5.867		7517	13084
5.911		1247	1379
6		92251	91348
6.065		90275	76954
6.088		20362	14967
6.187		1440	1158
6.244		9442	9183
6.31		9617	21405
6.387		2845	15901
6.442		57789	60006
6.548		1418	2256
6.585	DCB	4430406	4702516
6.793		2307	4395
6.874		1869	7246
6.971		1051	404
7.003		1179	693
7.038		7209	13453
7.122		1547	5251
7.227		752	1488
7.307		1145	1251
7.323		2125	3732
7.4		1841	2816
7.431		1084	711
7.483		1209	470
7.534		1413	988
7.573		1024	1179
7.622		1644	1653
7.665		1745	2853

RT A	Compound A	Height A	Area A
7.764		1052	6499
7.789		1350	1097
7.87		1327	928
7.91		1291	1224
7.928		1431	607
7.975		1864	3192
8.095		1150	1246
8.332		1154	890
8.486		3087	3629
8.598		1835	8339

LANCASTER LABORATORIES

Sample Number: AR4831624A AAAR483AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:42:35 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0014.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.51		1820	2265
1.58		1681	1717
1.621		3114	3830
1.675		2566	5794
1.738		7249	17696
1.814		5268	9685
1.845		7506	15937
1.888		91239	85343
1.962		31754	60707
2.014		29149	28621
2.071		2359	2198
2.117		3625	7277
2.164		1621	1361
2.194		6488	6602
2.258		5114	5269
2.32		2425	2119
2.38		1735	4147
2.433		2216	1896
2.481		1369	815
2.504		30446	25260
2.568	TCX	16894270	9946769
2.612		14704	8344
2.658		3065	2579
2.739		75348	50487
2.784		182469	98133
2.8		20459	8423
2.851		260235	163149
2.899		33872	19058
2.961		52210	32559
3.002		833	470
3.057		800850	728012
3.109		62584	37861
3.129		31128	18608
3.154		20484	10865
3.178		686354	450100
3.215		49884	29525
3.242		31020	16188
3.261		145868	75527
3.276		46928	21405
3.326		566269	276390
3.335		639163	251950
3.356		70974	31170
3.369		687590	439168
3.442		970084	612042
3.478		1615616	1011214
3.501		1452269	802794
3.518		448870	224330
3.602		1513867	965181
3.626		598174	321599
3.646		635239	377785
3.674		314658	155929
3.691		1409254	837067
3.731		550342	373830
3.778		103168	84833

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3.799		1018061	636358
3.822		2587253	1612715
3.846		1730150	1069645
3.865		70229	28900
3.885		151904	88419
3.903		9024	2943
3.919		744693	496775
3.952		1347700	989099
3.979		634493	345453
4.026		97023	68876
4.06		434120	333893
4.09		8985	4373
4.115		747869	518166
4.147		386006	267054
4.174		1129332	835044
4.211		20482	19284
4.265		477445	424332
4.301		103309	73979
4.333		670478	492004
4.354		8903	3566
4.372		46297	27213
4.397		66648	40389
4.423		50017	47469
4.493		114824	117001
4.545		609797	503632
4.593		121446	103238
4.623		169427	145256
4.655		20496	35081
4.75		3614	25958
4.766		1230	840
4.789		3717	2254
4.807		4552	2972
4.839		29337	20668
4.861		50765	39166
4.908		18180	19974
4.946		6503	4532
4.98		97168	79880
5.011		10301	6602
5.032		52207	48791
5.102		185867	164632
5.224		1698	1237
5.246		24689	20457
5.289		24725	24681
5.338		4610	10921
5.445		217176	193240
5.513		270433	243294
5.562		84210	73637
5.617		6265	13731
5.672		20942	18235
5.825		5289	8223
5.872		124817	109901
5.901		2289	1370
5.997		1027	744
6.03	DCB	8693252	7926635
6.131		8529	19606
6.22		2168	2547
6.369		5067	6394
6.483		8983	29767
6.615		1968	5978
6.654		1525	1271
6.726		2459	9748
6.823		1683	1784
7.354		1064	8149
7.516		1154	1895
7.564		1133	1264
7.824		752	3171
8.377		688	1668

8.451	592	218

AR4831624A AAAR483AA ICAL 1624199999 10736 SW-846 8082

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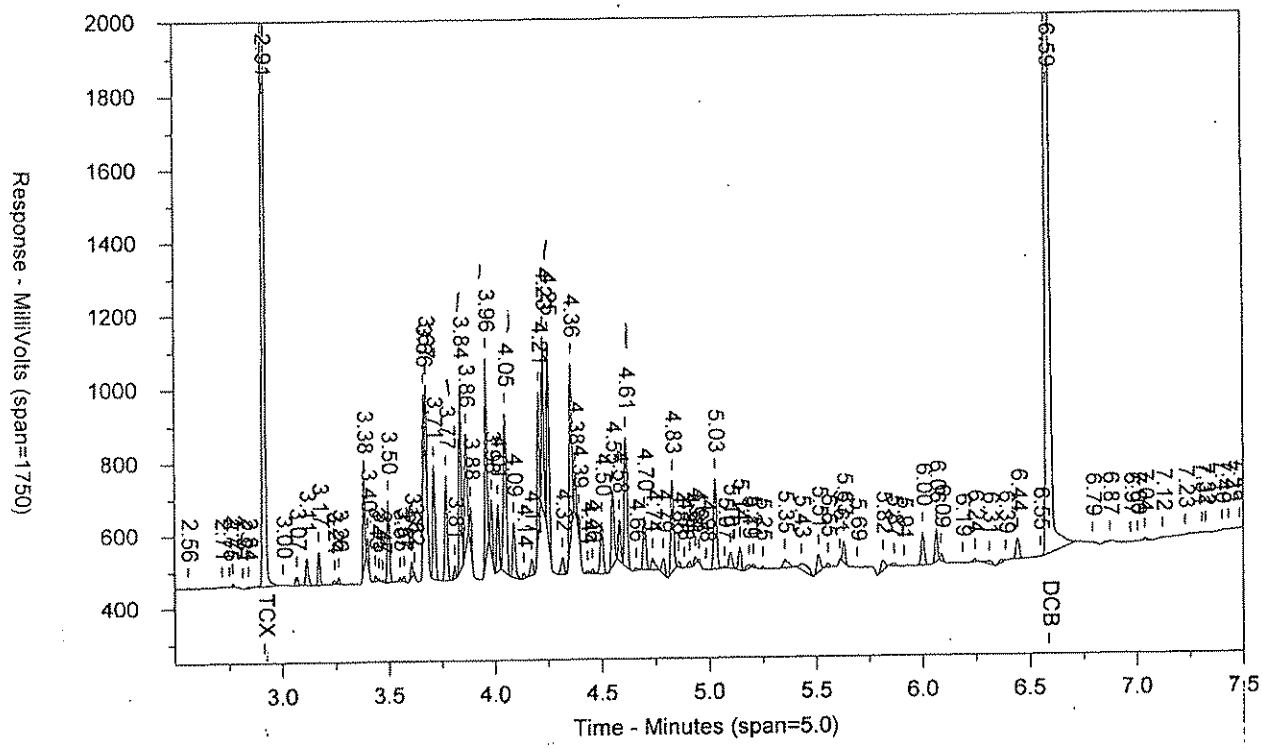

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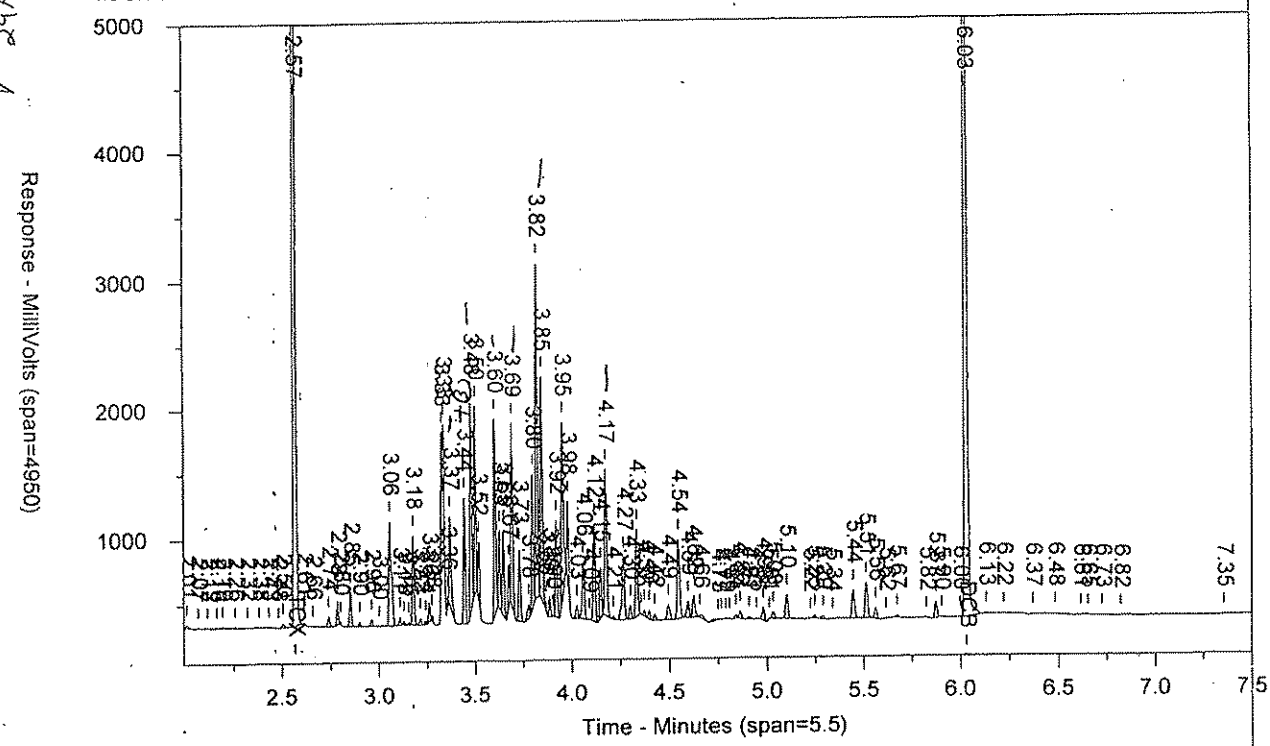

LANCASTER LABORATORIES

Sample Number: AR4831624A AAAR483AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:42:35 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	6238285	42.392	TCX	2.568	16894270	41.084	TCX
6.585	4430406	36.905	DCB	6.03	8693252	36.656	DCB

Files:
Area File: 07pcbs16242001.0014.RAW
Area File: 07pcbs16242001B.0014.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 5:51:15 PM
File Reported On: 8/29/2016 at 6:53:46 PM

AR4831624A AAAR483AA ICAL 1624199999 10736 SW-846 8082

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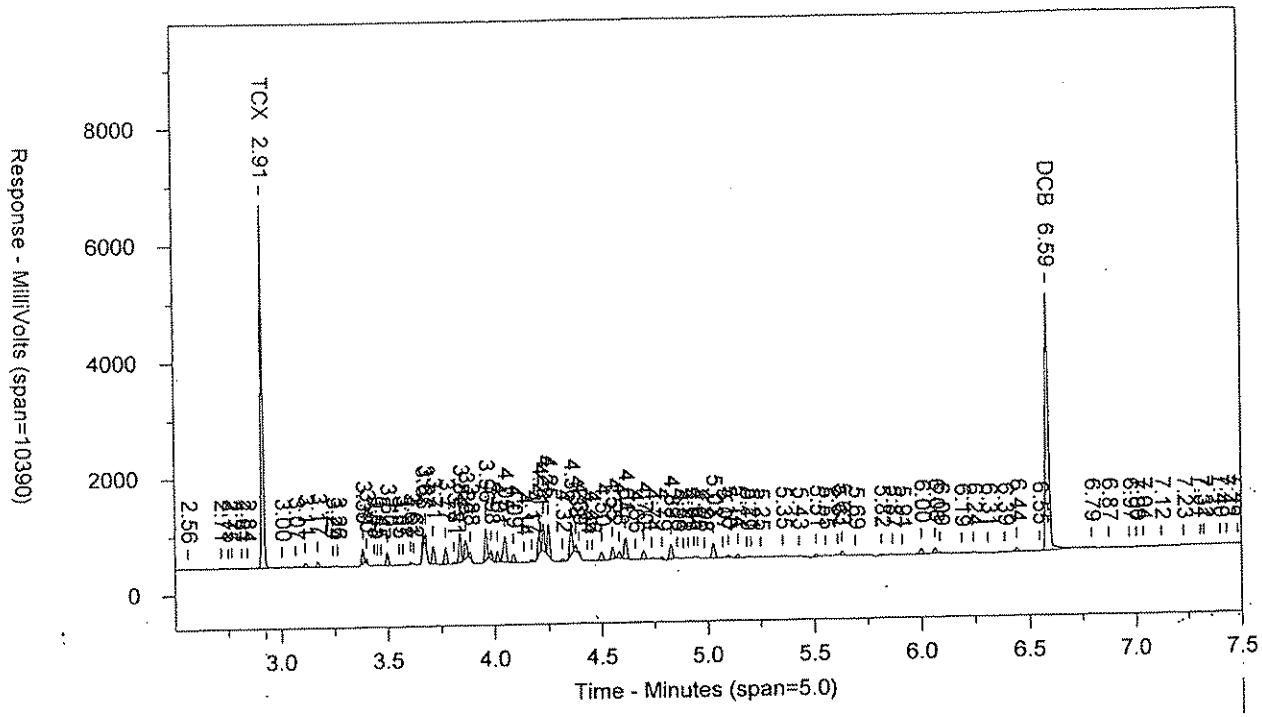

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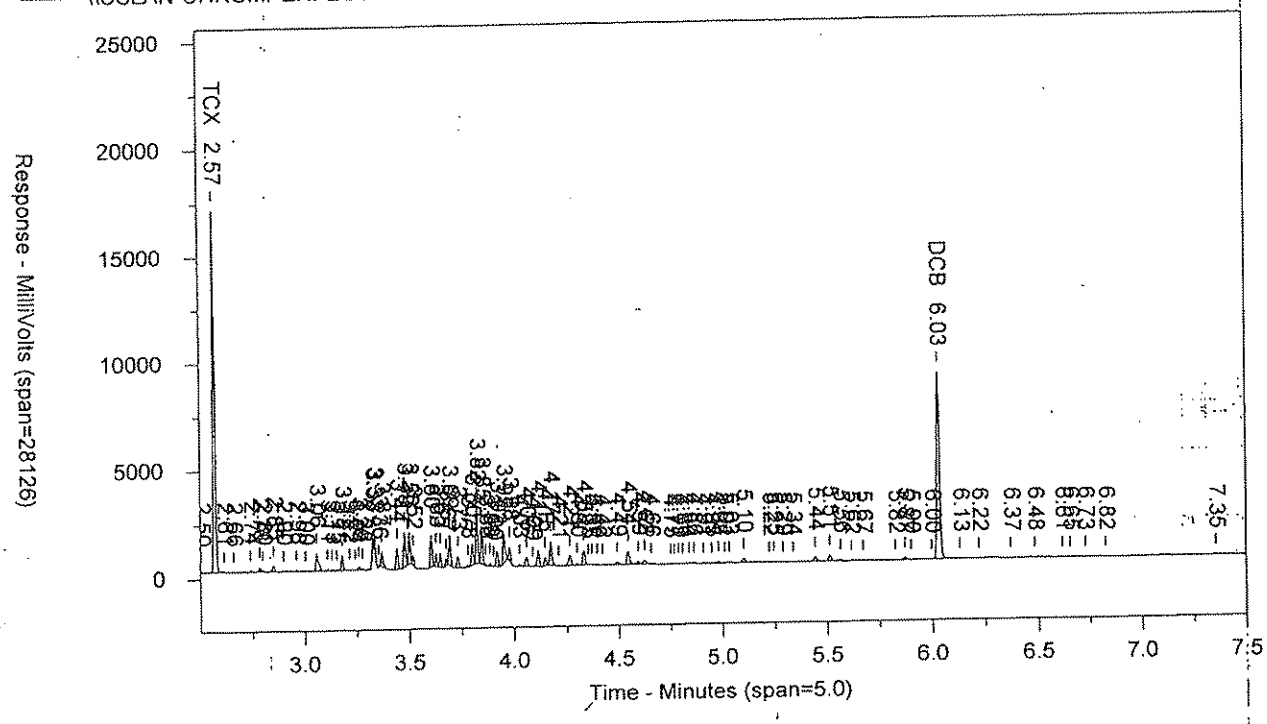

LANCASTER LABORATORIES

Sample Number: AR4841624A AAAR484AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:53:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0015.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.553		8751	41016
1.656		3233	3472
1.723		1571	1096
1.762		2356	2890
1.873		2459	3111
1.898		1321	873
1.983		5032	6951
2.009		1788	1501
2.094		14698	24525
2.137		1662	1211
2.212		38307	27396
2.303		8698	8407
2.323		16175	14601
2.369		7422	13694
2.422		2389	2432
2.481		2332	2480
2.559		5084	5880
2.648		1262	611
2.672		980	241
2.705		1046	353
2.751		1706	709
2.765		4761	5002
2.815		1282	640
2.836		3524	4120
2.913	TCX	8885319	5942885
3.066		53544	45660
3.112		102780	95531
3.169		204165	150065
3.241		16969	10376
3.262		40531	27540
3.316		1570	1594
3.381		556734	332723
3.398		154606	80446
3.434		40088	23392
3.45		15178	6823
3.467		13063	7101
3.496		550900	399509
3.529		2121	770
3.55		16017	9387
3.569		34966	21915
3.604		99977	58767
3.618		25804	11629
3.663		468633	250458
3.673		513720	258612
3.709		715047	550601
3.767		672533	553290
3.808		98223	67370
3.834		1185814	855912
3.861		790844	619327
3.883		242826	129115
3.958		1348272	972260
3.982		351916	224138
4.012		437674	315036

RT A	Compound A	Height A	Area A
4.047		1084418	1028794
4.088		349863	288393
4.133		36518	26557
4.172		96293	86837
4.206		943172	645341
4.226		1218946	775010
4.249		1316002	964934
4.316		112365	108576
4.355		1211321	997775
4.376		364167	366755
4.434		16756	11411
4.456		61275	47955
4.498		324547	302942
4.55		483915	433645
4.582		265550	203711
4.611		867990	755616
4.658		19272	19104
4.696		332891	301015
4.734		75081	91482
4.784		81969	75877
4.826		584555	543561
4.856		27674	19716
4.882		3654	1818
4.907		41669	35841
4.933		47747	34057
4.951		32237	21624
4.985		8099	6359
5.026		600572	579190
5.069		13849	9563
5.096		73578	77086
5.142		139160	133932
5.182		8012	4514
5.205		19587	15537
5.249		12086	12178
5.354		56822	92053
5.429		13726	17748
5.468		4309	3135
5.508		64215	61665
5.554		31096	27015
5.578		4041	2592
5.61		26935	18679
5.629		89707	74279
5.813		40834	44107
5.867		18297	30381
5.999		137548	138299
6.064		148856	132496
6.086		26287	18486
6.242		21947	21282
6.325		2030	1818
6.373		2267	2459
6.408		1951	1313
6.44		88413	92246
6.584	DCB	6617380	6955152
6.714		3037	1713
6.88		5139	9396
7.037		6305	7707
7.199		1408	2924
7.253		1359	1379
7.318		1030	681
7.356		1449	847
7.479		760	2082
7.52		1339	793
7.554		1687	2885
7.617		850	1452
7.707		1605	722
7.754		1161	925

RT A	Compound A	Height A	Area A
7.838		1217	1139
7.947		1483	945
8.05		1599	2088
8.097		1667	1645
8.139		1541	597
8.171		2306	1368
8.259		1808	3885
8.353		1069	488
8.432		1189	527
8.488		3321	5643
8.588		1721	2290
8.66		20994	68813

LANCASTER LABORATORIES

Sample Number: AR4841624A AAAR484AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:53:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0015.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.52		7165	6607
1.625		5747	5560
1.682		4563	10813
1.737		8949	13505
1.842		8818	28095
1.888		101975	91799
1.961		27437	53375
2.013		39079	37204
2.074		2074	3513
2.107		3235	6728
2.161		3081	2696
2.195		8464	9218
2.257		9954	9309
2.321		2712	2339
2.368		1751	2467
2.428		2242	1769
2.504		12431	7762
2.526		1793	1005
2.568	TCX	24692990	14804410
2.612		37408	22505
2.739		164886	111920
2.784		250427	133142
2.799		63435	28085
2.851		574139	366181
2.899		49014	28180
2.961		125990	78797
3.057		1888256	1663791
3.108		145186	84786
3.129		70619	39313
3.154		48010	25560
3.178		1545925	1033938
3.215		109533	63594
3.242		45875	23557
3.261		329370	175683
3.276		117369	53936
3.302		2286	1033
3.326		1383894	662603
3.334		1556166	625319
3.355		229552	91813
3.368		1617475	1005853
3.441		2312424	1462396
3.477		3932706	2384436
3.5		3544234	1922834
3.517		1060137	522329
3.602		4804216	2986835
3.624		1387292	747818
3.645		1506533	890846
3.673		735335	374050
3.69		3486766	2044047
3.729		1274163	876411
3.777		240741	199390
3.798		2630836	1574641
3.821		6695401	4091749
3.845		4551478	2695602

3.863		279531	124170
3.883		332924	184560
3.901		22629	7316
3.918		1751189	1158876
3.95		3341809	2426650
3.977		1708343	911923
4.009		3531	1527
4.024		221005	148388
4.059		1022598	781797
4.089		15043	7488
4.114		1901610	1357830
4.145		1032843	698126
4.173		2819004	2042963
4.21		51759	47361
4.263		1148507	1006828
4.299		240632	180507
4.331		1704046	1217650
4.353		22403	9391
4.37		66969	38779
4.397		200174	131922
4.42		107144	70010
4.492		265540	271738
4.543		1627254	1275368
4.592		201470	187865
4.621		396251	348641
4.653		42614	49984
4.69		30381	20650
4.733		1536	640
4.746		2402	1039
4.765		3264	2103
4.787		9218	5561
4.806		12455	7919
4.837		67106	47342
4.86		128898	98236
4.908		40830	42724
4.944		14480	9726
4.978		150249	121414
5.007		41696	27182
5.03		124401	105177
5.101		309249	269704
5.221		3472	1683
5.244		56885	46579
5.29		105453	113767
5.444		329569	291166
5.512		416996	371884
5.561		130642	116602
5.671		48197	41651
5.703		2284	1545
5.821		2316	2471
5.871		186842	162501
5.9		3000	1946
5.923		2043	1315
5.996		1054	684
6.029	DCB	12713790	11440780
6.215		4226	5015
6.308		2565	1764
6.365		2969	2283
6.481		9718	9165
6.931		808	237
7.011		1275	2573
7.319		785	1580
7.539		1174	3942
7.889		1494	2190
8.223		732	1172

AR4841624A AAAR484AA ICAL 1624199999 10736 SW-846 8082

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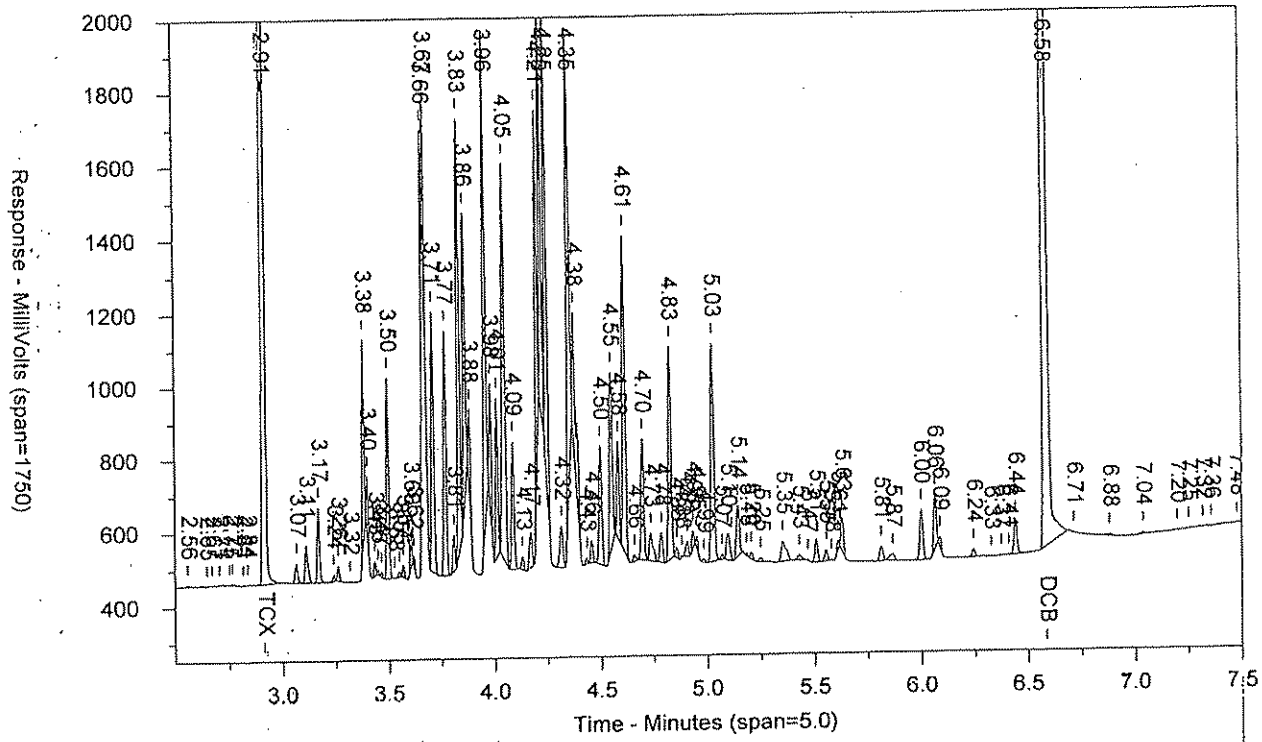

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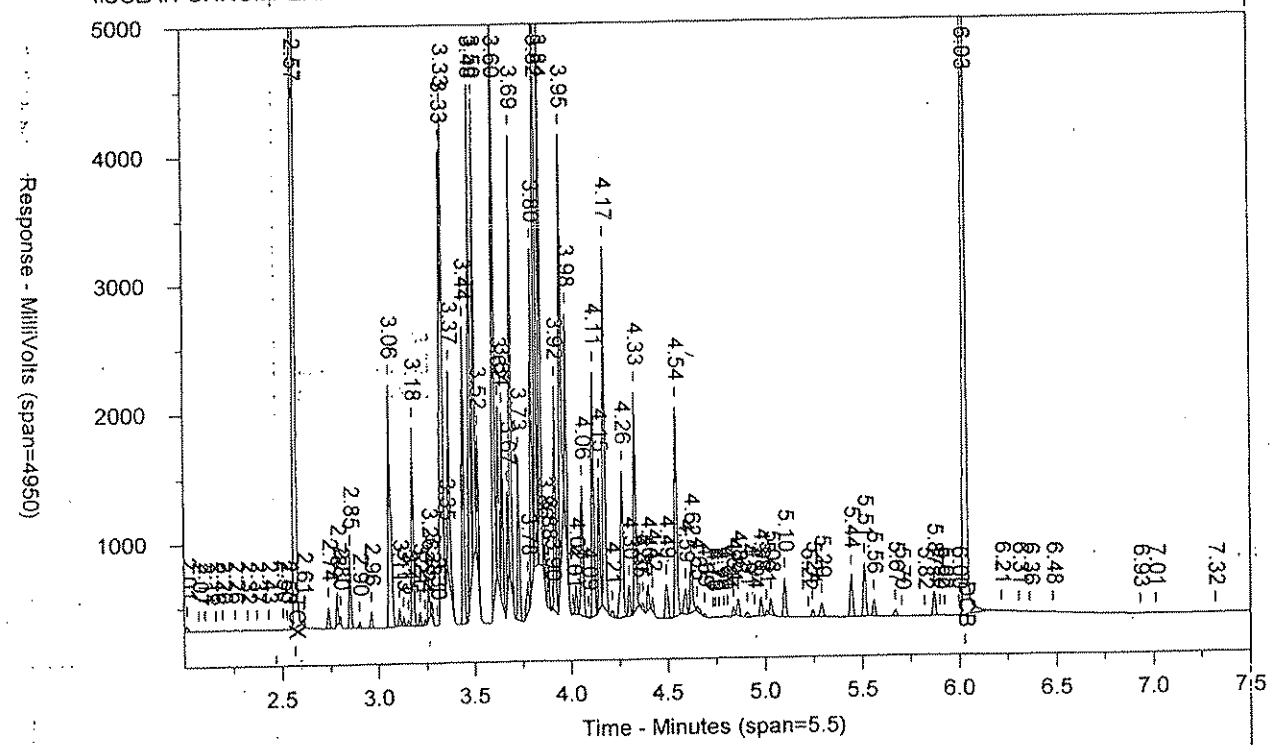

LANCASTER LABORATORIES

Sample Number: AR4841624A AAAR484AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 5:53:53 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.913	8885319	60.379	TCX	2.568	24692990	60.049	TCX
6.584	6617380	55.123	DCB	6.029	12713790	53.608	DCB

Files:
Area File: 07pcbs16242001.0015.RAW
Area File: 07pcbs16242001B.0015.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 6:02:36 PM
File Reported On: 8/29/2016 at 6:53:56 PM

AR4841624A AAAR484AA ICAL 1624199999 10736 SW-846 8082

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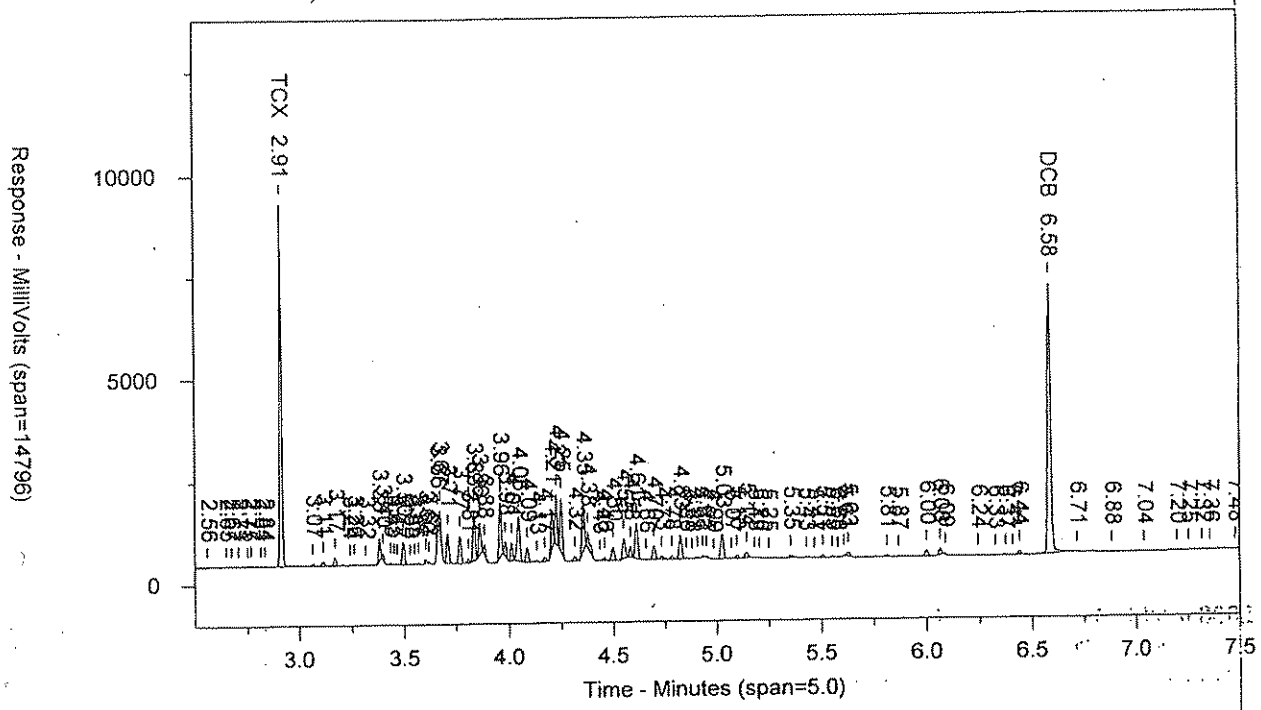

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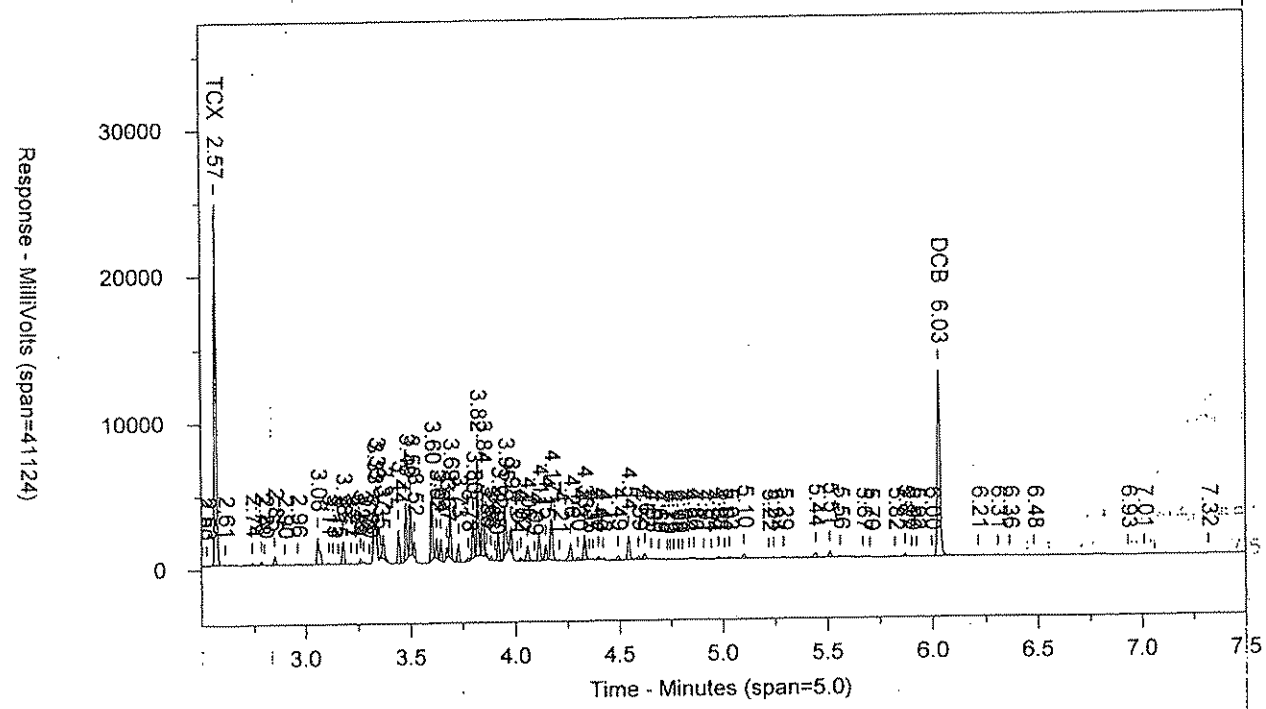

LANCASTER LABORATORIES

Sample Number: AR4851624A AAAR485AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:05:20 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0016.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.545		5002	10724
1.658		2688	3356
1.723		3043	4097
1.764		4993	5568
1.841		1321	747
1.871		4516	4257
1.976		9722	10904
2.011		5675	9302
2.091		24077	44340
2.15		6449	11194
2.185		7734	8767
2.213		51382	37753
2.286		6752	5282
2.305		11612	7813
2.323		20009	15096
2.384		10141	14097
2.425		2107	2345
2.447		1547	1495
2.481		8201	7167
2.559		3551	2255
2.649		1538	908
2.668		5789	5172
2.754		4226	2574
2.79		2408	1648
2.839		8601	10989
2.914	TCX	12186360	8001878
3.006		7758	9970
3.066		92248	82372
3.113		135679	134645
3.17		389833	283103
3.242		24319	14324
3.262		77199	51558
3.318		4733	5055
3.382		1034239	637225
3.399		308995	152769
3.436		75953	43990
3.452		23429	10480
3.468		26918	14150
3.498		1057065	764787
3.532		4031	2087
3.552		18685	10438
3.571		63625	41523
3.607		191785	113260
3.621		50066	23902
3.665		958523	494387
3.676		1130562	597307
3.712		1421203	1066115
3.77		1334937	1085516
3.81		180238	125679
3.837		2324916	1682442
3.864		1566896	1230402
3.885		441867	241314
3.96		2649530	1944624

RT A	Compound A	Height A	Area A
3.984		672646	439455
4.014		857909	609328
4.05		2251905	2051488
4.09		665863	548768
4.135		72128	51062
4.174		178061	160915
4.208		1871303	1312384
4.229		2464774	1593378
4.252		2668362	1975136
4.318		211865	206479
4.358		2414864	2009125
4.379		660696	353402
4.395		190225	112601
4.435		32379	21830
4.459		115678	89619
4.501		615081	577334
4.553		992672	857626
4.585		559255	410376
4.614		1726061	1506711
4.659		36446	36322
4.698		645534	580805
4.736		143528	173631
4.787		155963	143177
4.828		1165508	1065795
4.859		40976	27802
4.886		6742	5485
4.909		75614	66392
4.935		87801	62642
4.953		63040	43051
4.985		15837	13597
5.028		1209332	1157609
5.072		25538	19580
5.099		109567	113589
5.145		278849	257113
5.166		11737	4583
5.185		12305	6000
5.208		36983	29718
5.25		23782	32592
5.355		109643	173932
5.431		24386	27651
5.468		9312	7618
5.51		86009	84423
5.555		57176	50819
5.581		8295	5214
5.611		55720	41608
5.631		125735	95395
5.747		1459	2315
5.816		77131	83869
5.87		34398	56400
6.002		187765	189007
6.066		210249	182056
6.088		40185	26117
6.245		43177	42789
6.288		3114	4298
6.369		1356	657
6.415		1742	1528
6.444		122767	125578
6.539		1974	1060
6.587	DCB	8626014	9229016
6.716		6435	6401
6.756		3391	2184
6.852		2887	2334
6.89		4446	4871
6.958		1497	1138
7.041		8583	11637
7.071		1620	769

RT A	Compound A	Height A	Area A
7.246		2052	1710
7.335		1007	2048
7.411		1136	1463
7.46		1360	453
7.502		1034	1799
7.629		824	1449
7.641		1125	773
7.727		1620	1473
7.767		1678	776
7.835		1183	881
7.904		1397	1876
8.017		1359	948
8.168		1200	534
8.208		1843	1880
8.226		1548	1571
8.297		1382	1133
8.33		1315	729
8.377		1595	883
8.414		1707	1110
8.49		4151	8510
8.564		1382	652
8.662		22013	70144

LANCASTER LABORATORIES

Sample Number: AR4851624A AAAR485AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:05:20 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0016.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.519		14238	18020
1.624		15404	16455
1.684		6073	12550
1.735		22904	27570
1.843		22551	51464
1.889		132932	124232
1.96		40204	81436
2.014		49161	41530
2.058		10179	12375
2.103		1650	798
2.163		9742	9346
2.195		8577	8745
2.259		20866	21971
2.321		4294	3365
2.369		9673	21495
2.464		5824	7297
2.504		9694	6223
2.527		3701	2356
2.568	TCX	33186150	19899590
2.612		76394	49316
2.657		3984	6021
2.74		282192	202357
2.785		321758	167213
2.8		132949	63014
2.851		1089811	683548
2.9		66067	35784
2.927		1576	1235
2.961		233348	146661
3.02		2977	3191
3.057		3548664	3123067
3.108		275288	159827
3.13		125001	70814
3.154		94082	49806
3.178		2942794	1967067
3.216		195034	114512
3.242		56405	27281
3.262		630754	332921
3.276		227102	101795
3.302		3545	1485
3.326		2801178	1242611
3.335		3352593	1394972
3.356		432018	170741
3.369		3157444	1942098
3.443		4573585	2872347
3.478		7702165	4665436
3.501		7059438	3839252
3.519		2107764	1054060
3.603		9428678	5862482
3.626		2728022	1456032
3.647		2954275	1725785
3.675		1414671	694607
3.692		6899298	4061343
3.731		2514222	1675626
3.778		461267	377614

3.8		5154073	3171535
3.823		13042320	8190643
3.847		9049771	5433920
3.865		500288	226002
3.886		615329	346443
3.904		36043	13121
3.92		3433742	2235361
3.953		6855924	4810926
3.98		3604337	1950390
4.01		11149	3946
4.027		418611	279489
4.06		1973630	1499394
4.091		20544	9345
4.116		3744256	2696457
4.147		2005150	1353820
4.174		5750284	4073733
4.212		99420	92207
4.265		2200878	1941629
4.301		499809	348090
4.332		3279666	2441024
4.356		49130	20253
4.373		79390	43308
4.399		370433	245656
4.422		220103	139013
4.495		493645	517897
4.545		3279839	2623119
4.594		289000	285814
4.623		773803	663708
4.655		52375	23949
4.668		36143	18765
4.692		59572	41022
4.749		5475	4965
4.765		7582	4566
4.79		18695	11079
4.808		24830	16110
4.839		125602	89514
4.862		245157	187073
4.911		77939	82852
4.947		29963	20041
4.981		208584	166886
5.009		87456	58615
5.032		233443	203559
5.103		440631	383319
5.222		5472	3217
5.246		109626	90680
5.292		199275	213628
5.446		453760	397248
5.515		581902	505073
5.564		188593	165129
5.673		95272	81679
5.704		3772	2960
5.823		4573	5868
5.873		251327	222549
5.902		3467	2299
5.924		2203	1734
5.965		1143	708
5.997		1306	762
6.031	DCB	17505240	15221590
6.166		2044	2598
6.224		3569	4146
6.279		3930	3579
6.372		4080	2555
6.424		2534	3387
6.485		15116	21675
7.207		1274	2741
7.382		1079	1734
7.624		837	687

7.699	971	1209
8.351	1698	3354
8.575	1172	4795

AR4851624A AAAR485AA ICAL 1624199999 10736 SW-846 8082

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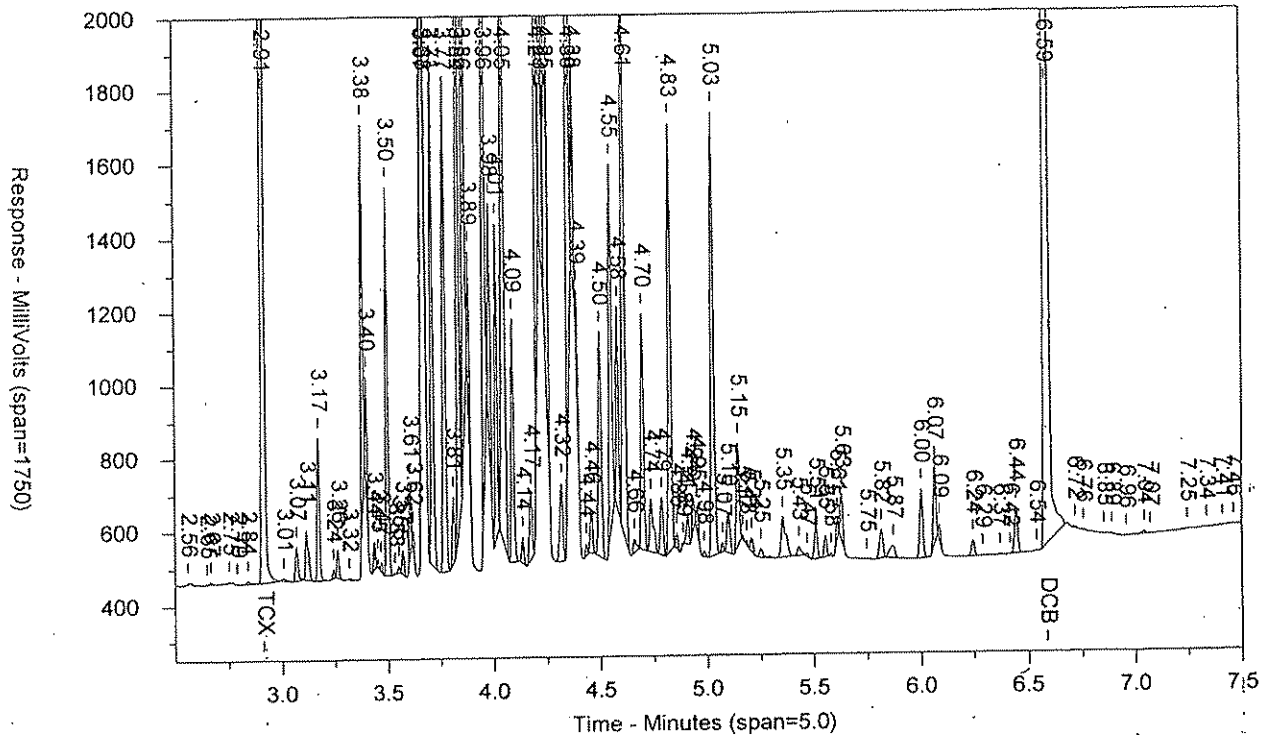

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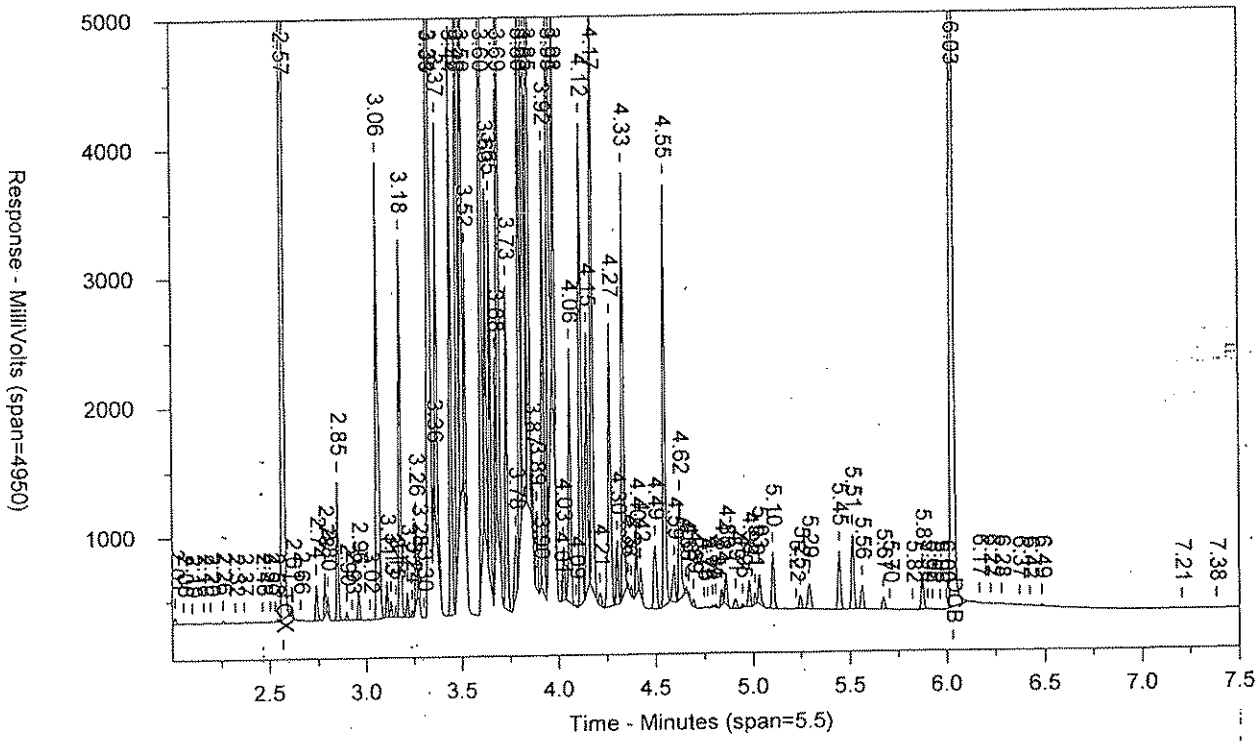

LANCASTER LABORATORIES

Sample Number: AR4851624A AAAR485AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:05:20 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	12186360	82.811	TCX	2.568	33186150	80.702	TCX
6.587	8626014	71.854	DCB	6.031	17505240	73.812	DCB

Files:
Area File: 07pcbs16242001.0016.RAW
Area File: 07pcbs16242001B.0016.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 6:14:05 PM
File Reported On: 8/29/2016 at 6:54:06 PM

AR4851624A AAAR485AA ICAL 1624199999 10736 SW-846 8082

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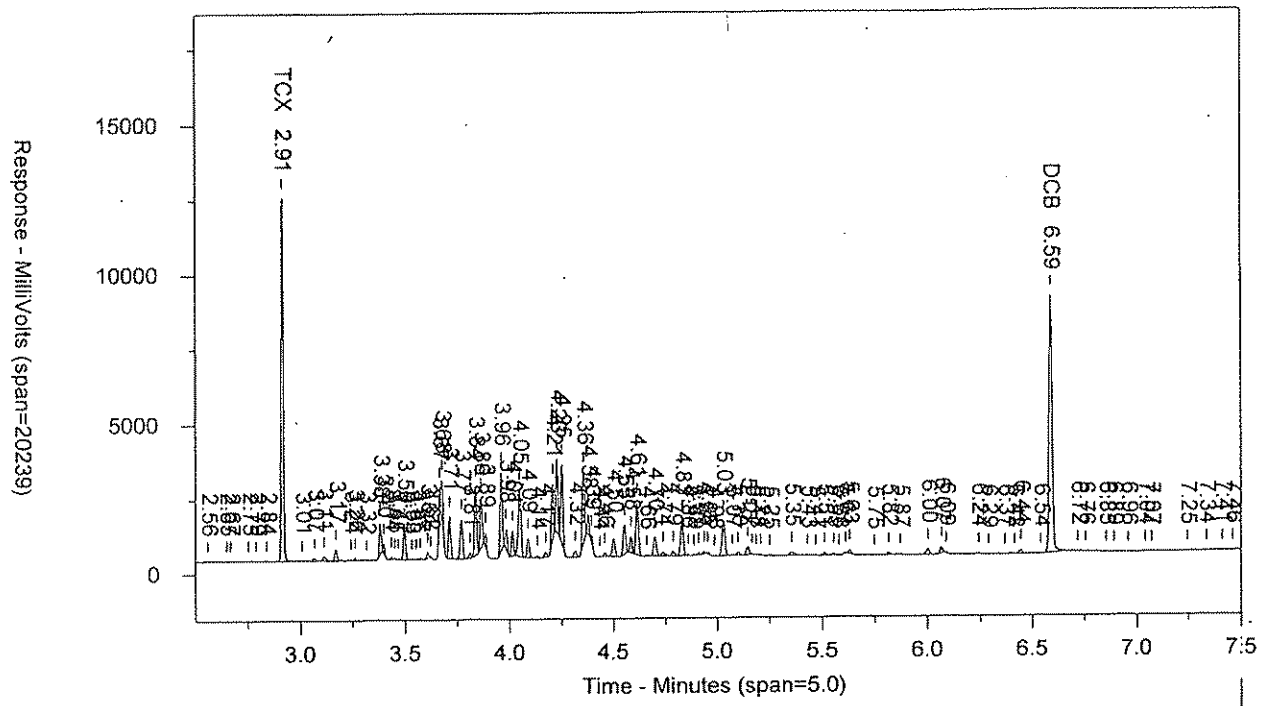

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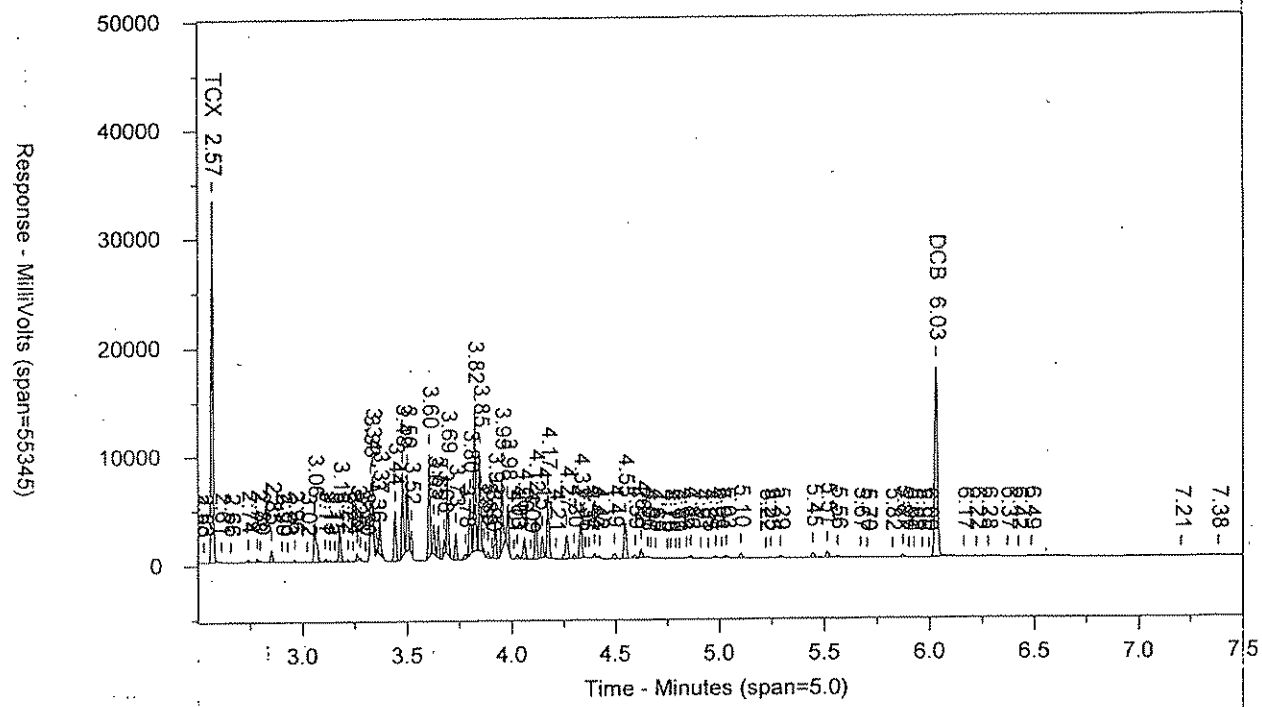

LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:16:49 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.542		16451	42064
1.588		15485	35846
1.646		10602	23704
1.727		5731	13287
1.807		2595	3203
1.986		6241	11296
2.01		2060	2519
2.094		30524	49028
2.139		6529	11731
2.215		3795	2963
2.304		9325	6050
2.372		6810	12718
2.453		5074	15222
2.487		5843	15971
2.6		2598	3721
2.653		2265	1720
2.693		1304	2452
2.714		986	452
2.752		1669	550
2.766		7916	10519
2.819		1671	1205
2.84		2627	2910
2.914	TCX	570421	401073
3.002		1844	1421
3.067		2728	3568
3.112		9081	12187
3.175		4587	5272
3.242		2761	2172
3.385		6148	7801
3.451		1723	1094
3.477		2210	1516
3.501		2316	2346
3.574		2989	2494
3.609		1469	1137
3.65		4619	2687
3.665		5034	7252
3.714		10830	9162
3.747		1194	442
3.769		7092	8581
3.837		118613	90501
3.864		31074	28918
3.961		71729	56625
3.987		4723	2796
4.015		6460	4933
4.05		30353	28536
4.092		7875	10232
4.174		7944	12634
4.209		154279	115503
4.229		67118	40876
4.253		48523	35895
4.319		46216	40288
4.361		245207	253297
4.396		90656	74606

RT A	Compound A	Height A	Area A
4.438		3591	2394
4.458		11867	7993
4.502		91966	87229
4.553		162689	150612
4.584		41561	27618
4.615		323619	298169
4.66		16224	11364
4.699		51858	42656
4.737		106659	115321
4.787		26536	24738
4.828		245394	235644
4.857		4836	3167
4.884		24247	20149
4.908		4666	2661
4.936		78595	63842
4.953		38644	26357
4.985		3377	2565
5.029		185776	183083
5.072		20525	16296
5.102		24669	32833
5.146		237785	220624
5.168		13909	15117
5.206		5624	3839
5.251		8011	7610
5.356		86849	117856
5.433		13558	20455
5.468		10336	9665
5.513		11148	15107
5.556		51164	46267
5.582		6293	4097
5.611		36946	43720
5.738		1055	686
5.82		36802	39928
5.851		5957	5987
5.937		1651	2553
6.003		11587	12552
6.064		13029	10930
6.097		4933	6035
6.19		2839	4786
6.248		5670	9682
6.285		1848	2191
6.381		3050	7617
6.444		6764	7218
6.489		797	549
6.588	DCB	488048	518769
6.65		1771	1639
6.695		1310	948
6.808		3891	11950
6.852		2191	1576
6.891		5393	9293
6.977		1025	470
7.009		1417	1281
7.124		1979	4357
7.165		1372	531
7.187		1471	1471
7.243		1327	367
7.323		1261	2227
7.397		1897	2375
7.43		1278	398
7.5		1087	1939
7.567		1420	1256
7.632		1775	1103
7.701		1604	1330
7.755		1077	3212
7.799		1671	2028
7.849		1461	547

RT A	Compound A	Height A	Area A
7.891		1117	1068
7.972		2723	3860
8.031		1323	625
8.098		1891	1635
8.174		1620	3084
8.254		1186	427
8.349		1209	441
8.573		1951	2629
8.662		18054	49537

LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:16:49 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.521		2063	1208
1.579		1111	1382
1.624		3497	4241
1.685		4697	11186
1.736		5259	5603
1.808		5266	8281
1.844		6226	10593
1.885		28523	23478
1.963		47452	67949
2.078		2147	1866
2.115		4339	8412
2.164		3770	3981
2.196		8449	8447
2.319		2684	2957
2.369		2311	2203
2.431		2353	1618
2.504		22501	18972
2.568	TCX	1622018	1001078
2.741		2542	2144
2.785		22850	12684
2.811		1458	915
2.852		9158	8692
2.9		3727	2267
3.058		16690	19031
3.137		7301	18687
3.18		12909	9284
3.216		8394	5618
3.242		2886	1370
3.262		2572	1270
3.281		19449	11765
3.327		24825	27265
3.37		25996	26574
3.404		3865	2661
3.443		16394	11216
3.479		402642	240132
3.502		122737	68394
3.519		10290	4166
3.539		1901	934
3.603		221719	134528
3.626		18910	10203
3.647		23018	14622
3.676		17121	8289
3.692		89474	50788
3.731		23972	17005
3.771		18472	15837
3.8		76222	42164
3.822		849899	570530
3.847		85130	46018
3.865		57210	30047
3.886		163594	103864
3.92		752841	519928
3.951		278122	159584
3.967		156909	81572
4.027		55087	44670

4.061		289820	217922
4.116		608343	436271
4.149		166486	121662
4.175		1025546	765680
4.212		75464	68595
4.264		502153	413250
4.301		68061	48898
4.333		608541	434246
4.356		84275	52236
4.398		379081	272831
4.423		18380	11577
4.494		327536	355052
4.546		407784	338356
4.585		114772	103695
4.623		694972	673498
4.668		49933	31806
4.69		11814	6696
4.749		11040	27197
4.79		1507	842
4.808		28574	21327
4.839		32036	21281
4.862		205924	167220
4.911		27792	22963
4.947		22384	17616
4.978		25606	21413
5.01		69125	49772
5.031		76765	67159
5.102		24413	23175
5.248		3713	3415
5.287		75062	68029
5.334		2513	4952
5.446		28477	25037
5.493		1796	1048
5.514		33679	30688
5.563		14149	13370
5.634		4444	17721
5.673		5001	4236
5.874		17454	19143
6.031	DCB	999220	954144
6.164		2035	10461
6.369		2559	2987
6.398		951	523
6.441		1047	506
6.486		981	898
6.677		243	10466
6.861		2365	11626
7.06		1698	3265
7.32		2092	3231
7.642		1076	1324
8.001		810	1721
8.281		992	478

AR5411624A AAAR541AA ICAL 1624199999 10736 SW-846 8082

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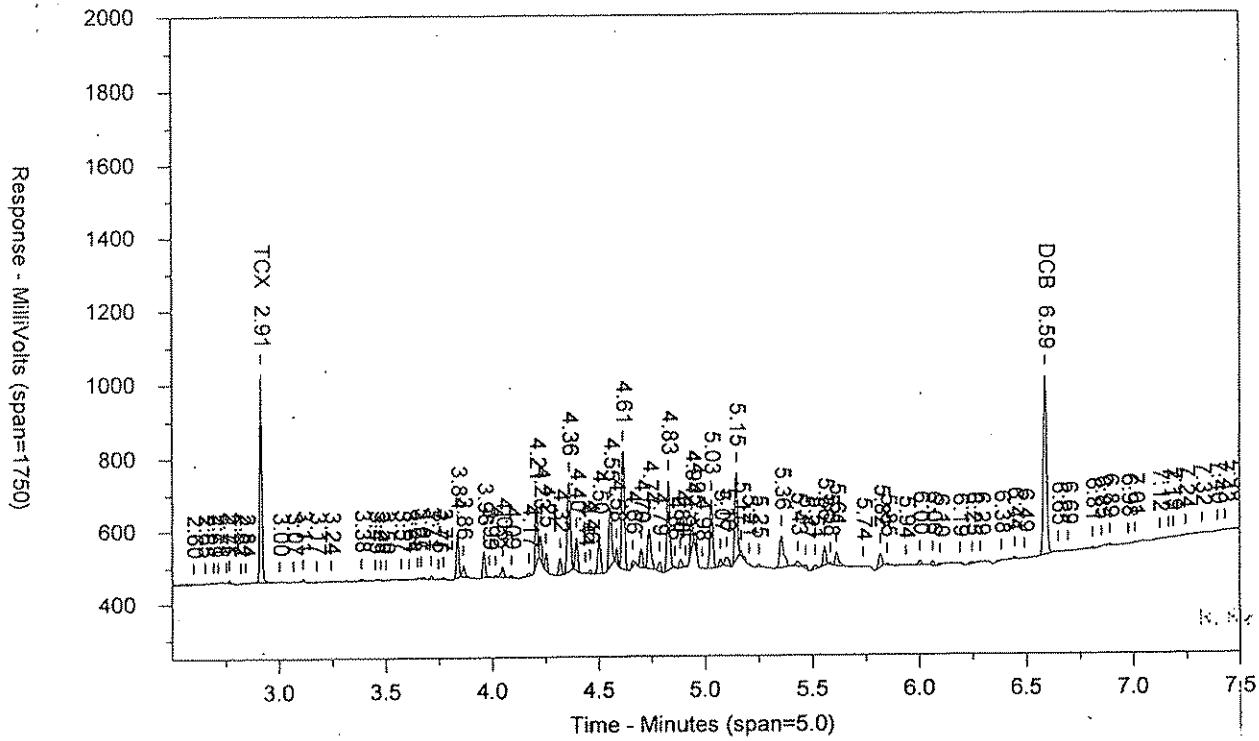

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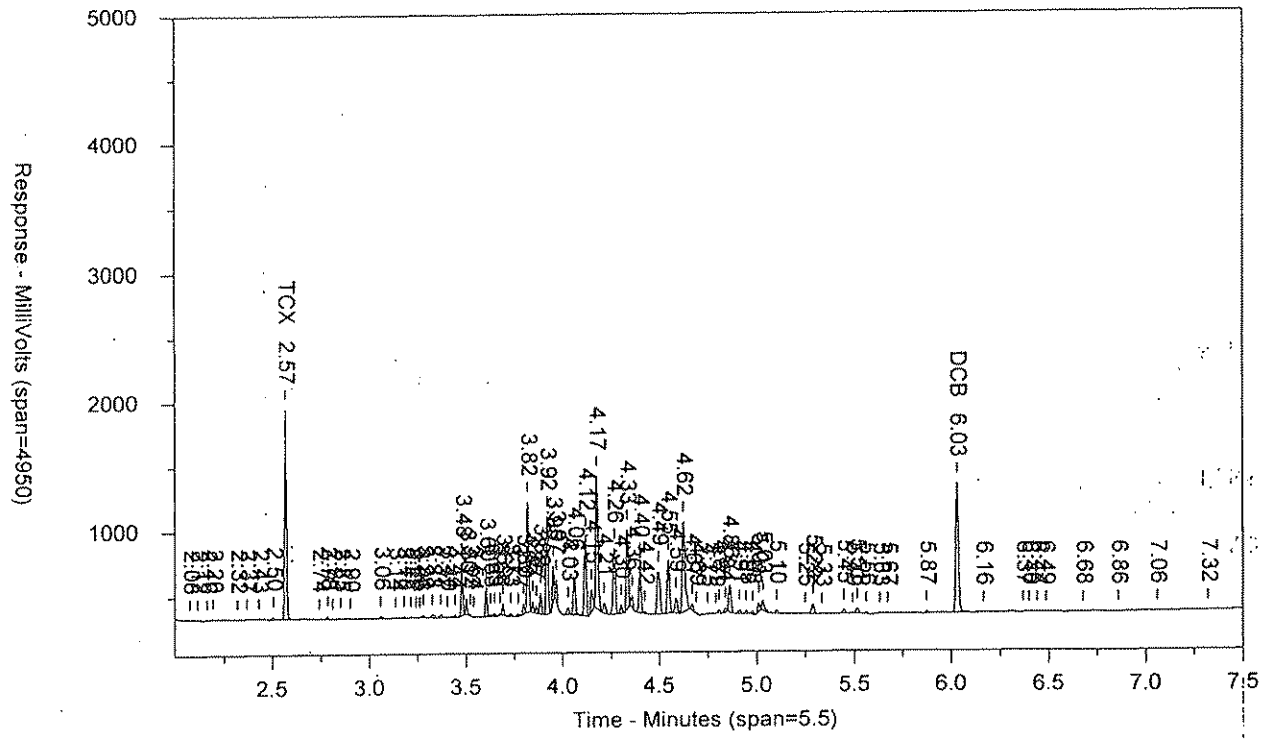

LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:16:49 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	570421	3.876	TCX	2.568	1622018	3.944	TCX
6.588	488048	4.065	DCB	6.031	999220	4.213	DCB

Files:
Area File: 07pcbs16242001.0017.RAW
Area File: 07pcbs16242001B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 6:25:33 PM
File Reported On: 8/29/2016 at 6:54:16 PM

AR5411624A AAAR541AA ICAL 1624199999 10736 SW-846 8082

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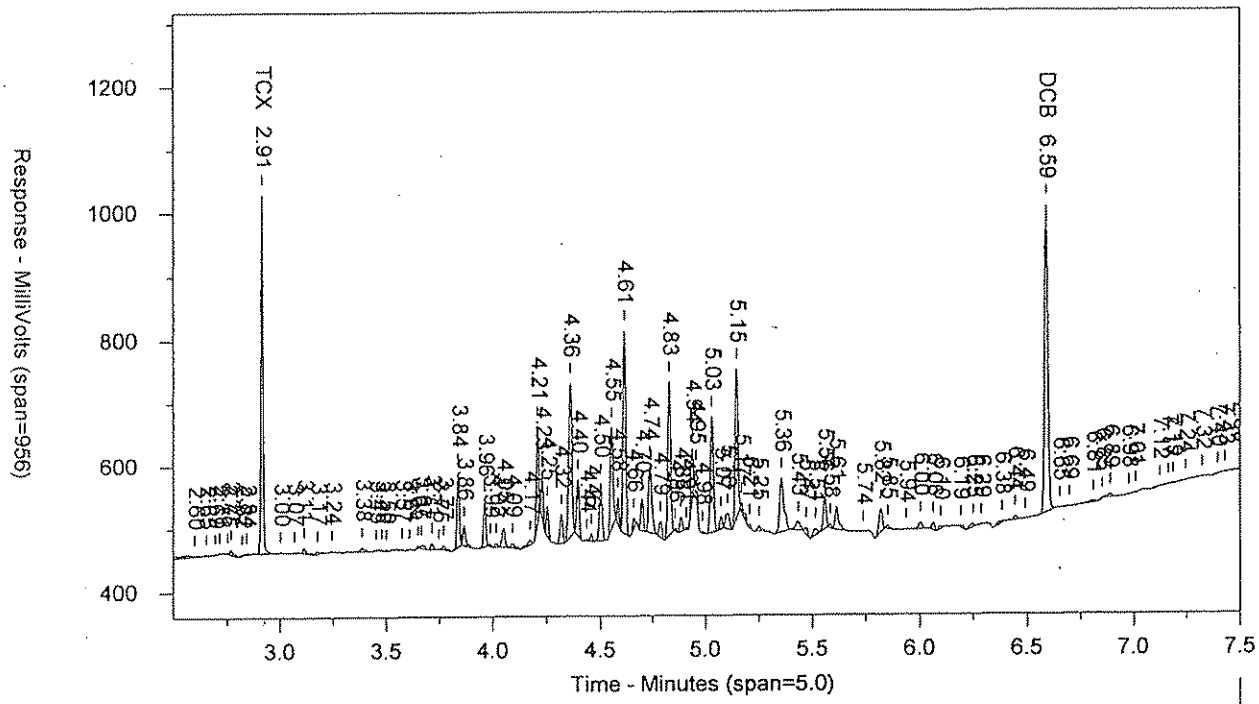

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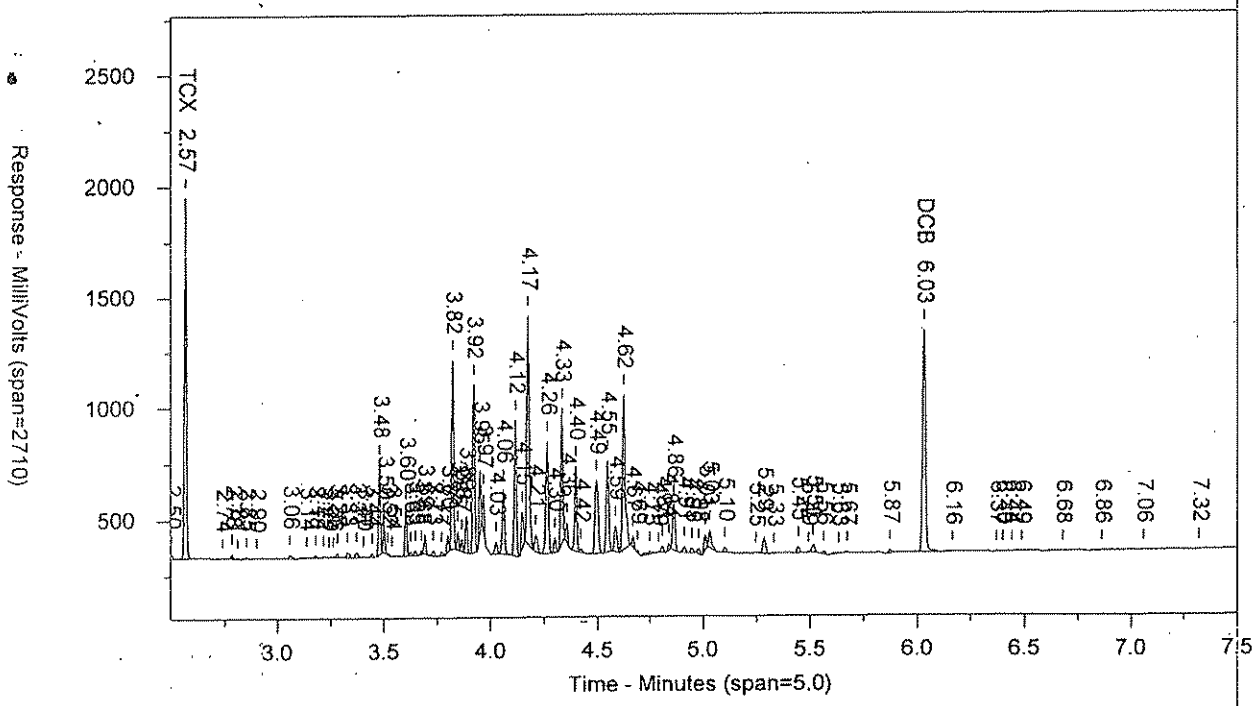

LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:28:18 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.547		10841	56957
1.669		3792	2843
1.698		2304	3781
1.837		1031	1159
1.904		1360	2323
1.986		3486	7149
2.093		14698	28429
2.182		1941	1851
2.212		6507	6080
2.305		5726	4223
2.325		3815	7218
2.371		7118	11875
2.442		4160	11573
2.483		4219	7838
2.563		2737	4378
2.699		922	2506
2.764		4730	10112
2.873		2701	10924
2.914	TCX	1088258	751644
3.066		2565	3021
3.113		16408	14417
3.171		6970	6477
3.243		2957	2909
3.318		1327	1008
3.384		10301	6384
3.452		4624	4812
3.498		8965	6493
3.551		2059	1135
3.571		10348	7005
3.61		3013	3508
3.65		3343	1676
3.664		4854	2516
3.677		5251	3884
3.714		28331	22248
3.768		12004	10449
3.837		211255	163420
3.864		60401	59536
3.96		130266	100987
3.985		8239	4244
4.015		14551	10670
4.05		58068	57162
4.09		11882	9292
4.116		1705	976
4.137		3006	2678
4.172		12040	10496
4.209		297893	218011
4.229		124390	74414
4.253		87244	66961
4.319		87214	74892
4.361		456902	466690
4.396		162475	135673
4.435		6104	4224
4.459		28333	22133

RT A	Compound A	Height A	Area A
4.501		172378	156327
4.553		306297	277538
4.585		73615	50639
4.614		628379	549099
4.66		27392	18665
4.674		11667	5824
4.699		93184	77706
4.736		206181	209176
4.787		43115	38352
4.828		438951	426786
4.857		9727	5469
4.883		42941	35211
4.909		9012	5122
4.936		151399	116721
4.953		65608	45920
4.984		4640	3660
5.029		348355	339829
5.072		39566	31722
5.1		46278	62526
5.145		455929	415377
5.167		20261	10591
5.184		15876	8678
5.207		9643	6897
5.251		17221	22745
5.355		161974	211589
5.432		21088	22916
5.47		15814	13852
5.51		13809	12557
5.555		95139	86199
5.581		12658	8632
5.611		69925	85758
5.753		1742	2541
5.819		64272	61242
5.851		10625	10433
6.002		19530	20135
6.067		24728	22167
6.091		4999	3143
6.245		3632	3644
6.375		1530	1295
6.445		11538	12263
6.541		1162	923
6.589	DCB	896579	975296
6.65		2114	2700
6.708		1008	1324
6.768		1243	650
6.821		906	2395
6.867		1529	2219
6.89		4789	6292
6.991		1338	994
7.057		1128	3260
7.114		1606	1203
7.218		683	1123
7.279		1369	963
7.336		1068	235
7.392		1348	522
7.503		1046	4371
7.612		828	4140
7.668		1179	3100
7.693		1479	690
7.744		1195	2314
7.817		1296	2833
7.863		2009	1551
7.957		1438	777
7.978		2246	2217
8.023		1054	858
8.09		903	196

RT A	Compound A	Height A	Area A
8.166		1529	1385
8.223		1528	733
8.288		1035	1268
8.49		3896	7574
8.574		1791	2179
8.606		1838	1785

LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:28:18 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.519		2648	5547
1.682		3057	8019
1.744		1732	2907
1.848		5568	23303
1.887		25673	31668
1.96		24463	53129
2.014		9705	13564
2.077		2056	1571
2.171		1470	2340
2.194		6733	7387
2.322		1711	1617
2.431		2008	995
2.479		2585	1249
2.504		12823	11366
2.568	TCX	3118729	1916880
2.74		7154	5713
2.785		40579	24013
2.852		16434	11134
2.899		7221	4419
2.963		1861	1285
3.058		35301	35247
3.109		1949	928
3.13		12956	10402
3.18		28149	19502
3.216		28529	17267
3.242		6377	3395
3.262		5689	2787
3.28		20088	11709
3.326		38132	38929
3.356		7405	3295
3.37		51692	40460
3.402		2053	1509
3.443		37473	24423
3.479		707796	440468
3.501		245995	140760
3.519		18629	7183
3.536		4948	2859
3.604		445992	276447
3.626		32885	16957
3.647		52575	33310
3.676		53457	26915
3.692		158722	91203
3.731		47990	34913
3.771		36948	32708
3.8		139352	81076
3.822		1598957	1063386
3.846		149978	82086
3.865		151786	84810
3.886		293900	178463
3.92		1414525	956776
3.951		499091	294550
3.966		294944	150691
4.027		107105	77505
4.061		529055	407668

4.116		1123479	814411
4.148		303483	226087
4.175		1923138	1445340
4.213		142513	130911
4.265		922922	769242
4.301		126698	93114
4.333		1147385	815085
4.356		147106	94657
4.399		733242	538802
4.422		25505	13345
4.494		611129	656774
4.546		768870	641081
4.586		208477	188030
4.624		1373169	1266687
4.669		98009	60878
4.693		41347	27299
4.75		13050	13533
4.79		2943	1513
4.808		52542	40056
4.839		64684	40281
4.862		383548	309871
4.912		50499	42197
4.947		40209	32224
4.98		41377	32488
5.009		157029	119033
5.032		143496	122023
5.103		47267	42805
5.246		6746	5666
5.288		164756	162784
5.446		48910	42227
5.494		3369	2142
5.515		58118	47359
5.564		21412	19067
5.605		1114	679
5.673		8469	8109
5.873		23864	23231
6.032	DCB	1819384	1671176
6.213		1002	1226
7.155		900	561
7.28		932	768
7.556		650	3037
7.922		908	2096
8.094		1006	1731
8.37		1134	2992
8.546		875	744

AR5421624B AAAR542AA ICAL 1624199999 10736 SW-846 8082

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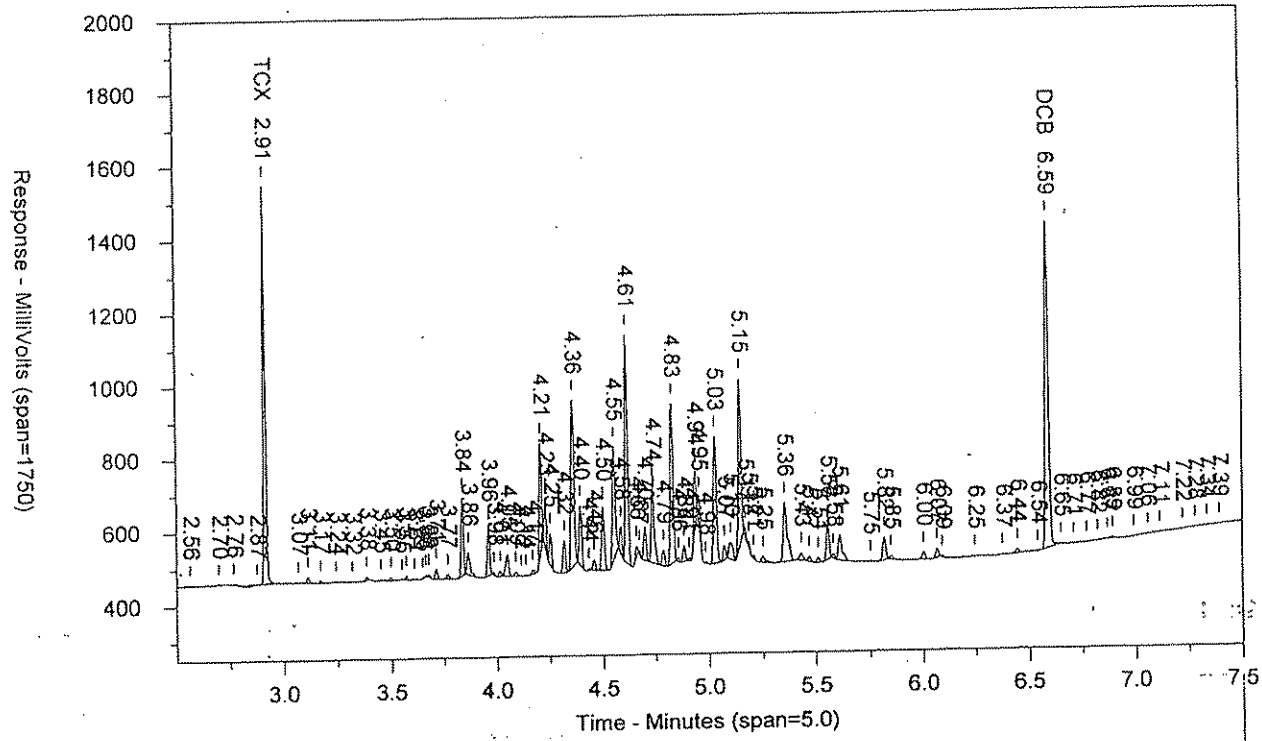

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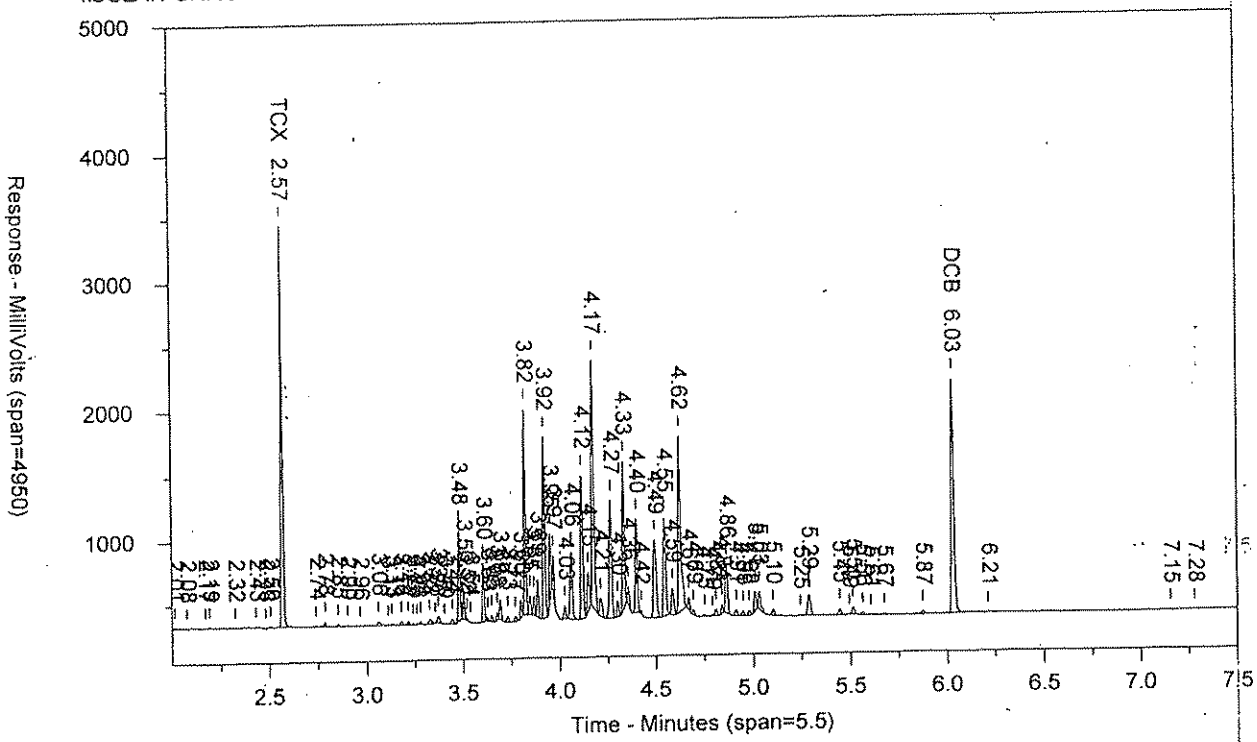

LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:28:18 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	1088258	7.395	TCX	2.568	3118729	7.584	TCX
6.589	896579	7.468	DCB	6.032	1819384	7.672	DCB

Files:
Area File: 07pcbs16242001.0018.RAW
Area File: 07pcbs16242001B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 6:36:58 PM
File Reported On: 8/29/2016 at 6:54:26 PM

AR5421624B AAAR542AA ICAL 1624199999 10736 SW-846 8082

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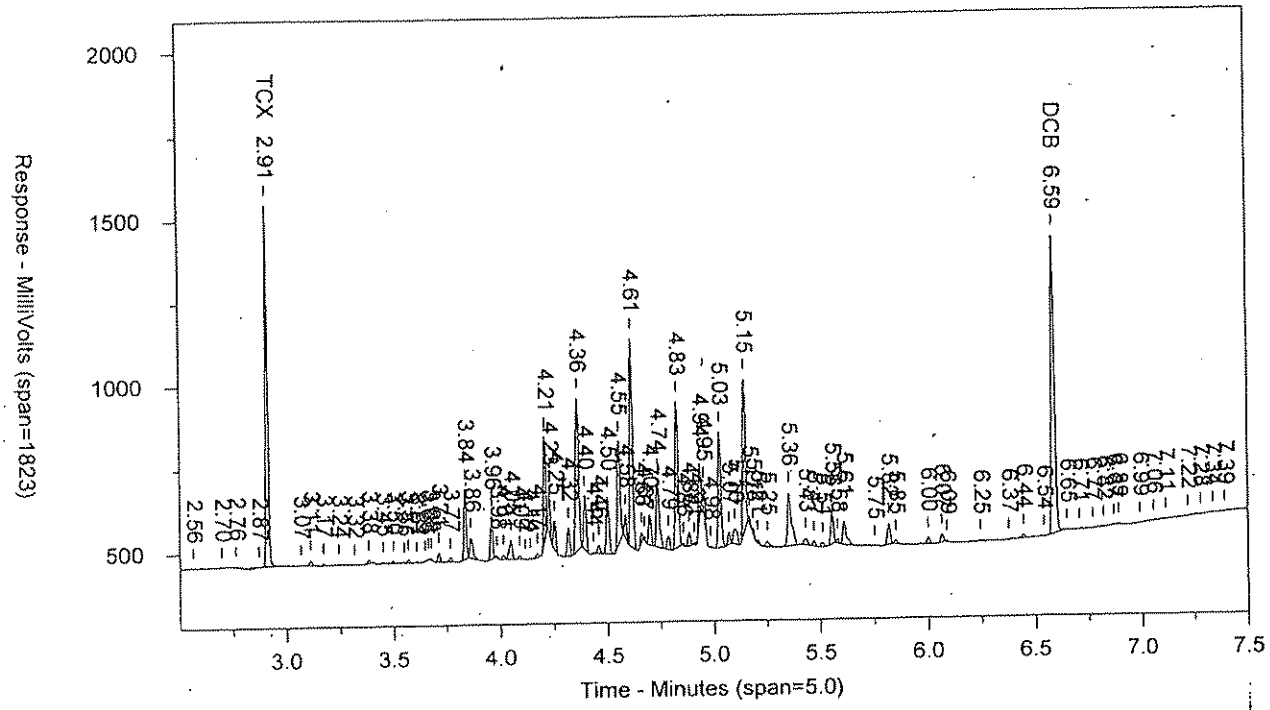

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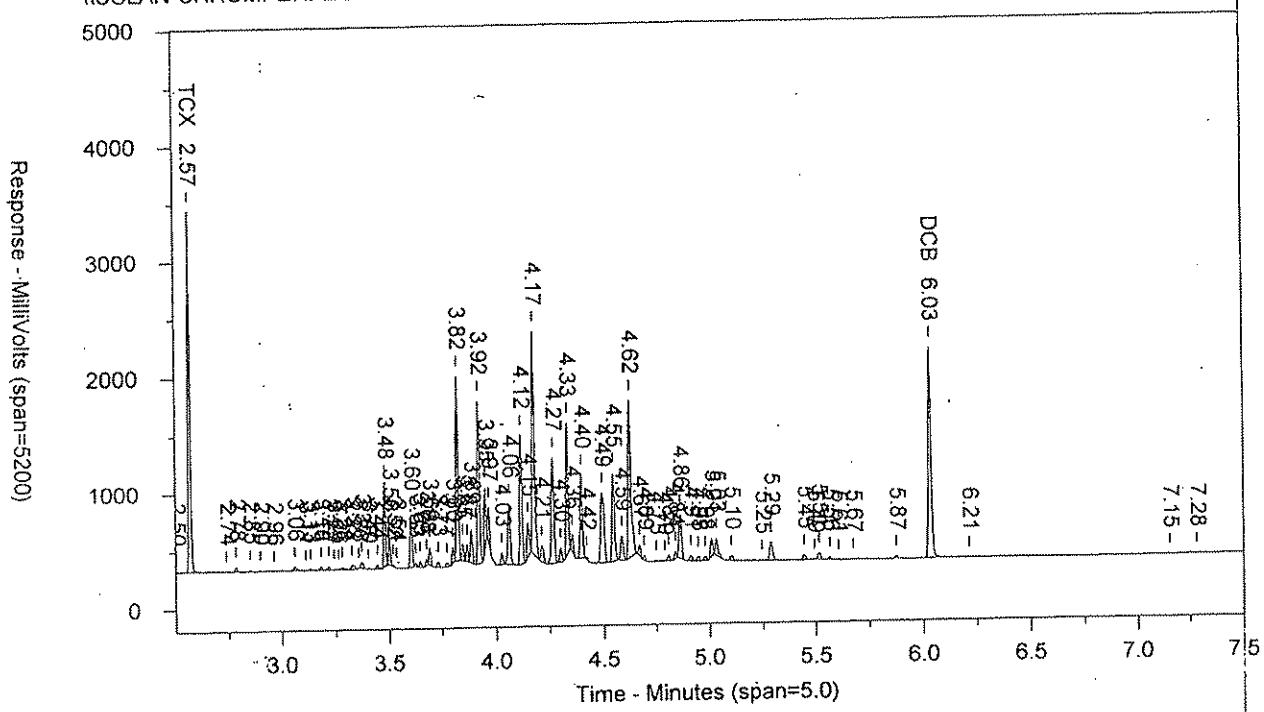

LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:39:47 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0019.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.56		15904	40924
1.586		16791	93720
1.736		6000	11666
1.762		6059	11281
1.808		3086	2642
1.846		1698	1679
1.979		6813	9585
2.095		13062	25798
2.146		5191	9891
2.213		16757	18680
2.289		4338	3248
2.304		8936	8628
2.323		9411	10774
2.371		8246	18340
2.433		5239	12510
2.495		4533	12634
2.561		4108	5717
2.648		2355	1722
2.694		1450	1260
2.72		1920	2247
2.767		7616	10052
2.814		4386	2471
2.844		4200	5830
2.914	TCX	2925810	1954416
3.067		7352	7987
3.113		39426	34405
3.171		14052	10695
3.207		1152	808
3.242		7434	5147
3.267		2371	1905
3.344		1269	649
3.384		24513	15332
3.4		6941	3704
3.438		1220	532
3.453		11627	8691
3.499		17641	12949
3.552		6853	4398
3.572		25463	17150
3.609		6236	6719
3.65		4427	2598
3.667		11484	6075
3.68		11893	8691
3.714		66561	54007
3.769		31454	32389
3.838		481155	369956
3.865		134448	132175
3.961		295936	228398
3.984		15103	9215
4.015		33787	23655
4.05		125362	135082
4.091		27060	22617
4.138		8546	6439
4.172		21396	16770

RT A	Compound A	Height A	Area A
4.209		680396	494853
4.229		272470	163133
4.254		196226	151330
4.32		191499	167367
4.361		1089996	1076807
4.396		370062	307213
4.437		14800	10049
4.459		51098	38445
4.502		388683	359218
4.554		718455	646849
4.586		167705	112970
4.615		1466305	1298177
4.661		58497	43483
4.674		22477	11905
4.7		215297	178153
4.737		461456	469318
4.788		99694	91418
4.829		1033728	984568
4.857		21649	12610
4.884		95692	78486
4.909		16445	9038
4.936		373986	276980
4.953		168612	105714
4.986		11776	8029
5.029		840130	805797
5.071		84425	69288
5.099		99027	135437
5.146		1021418	932557
5.168		44742	21541
5.185		36684	20079
5.206		20086	14696
5.25		35403	30551
5.356		387642	487538
5.406		2424	981
5.431		46248	43918
5.469		39484	34802
5.511		37115	40201
5.556		226967	204110
5.582		27787	19196
5.611		163976	190011
5.703		1928	1746
5.819		151260	151352
5.85		22475	21860
5.918		43187	83975
6.002		45320	47745
6.065		51480	47491
6.092		16533	21395
6.247		9696	9465
6.286		6720	29393
6.375		5314	12616
6.395		1260	365
6.417		1046	595
6.445		27805	29548
6.504		1333	1775
6.554		1332	1989
6.589	DCB	2088595	2332271
6.697		2508	2862
6.771		2289	2455
6.804		6163	8119
6.864		21971	28983
6.952		1148	585
6.997		816292	1262231
7.102		4418	8082
7.175		1825	578
7.298		2032	1533
7.436		7262	20289

RT A	Compound A	Height A	Area A
7.487		1117	848
7.546		1621	833
7.586		1334	1231
7.651		3099	6464
7.725		1983	1929
7.793		1095	670
7.816		1677	1318
7.929		1365	585
7.986		1317	761
8.115		2666	4817
8.159		1483	947
8.172		2086	1796
8.342		1563	1415
8.394		2713	3412
8.475		1351	535
8.564		2023	3000
8.659		17676	57095

LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:39:47 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0019.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.523		2493	2055
1.573		1242	1609
1.629		1055	700
1.68		5270	15775
1.738		7824	20064
1.847		6859	26540
1.889		43192	44485
1.96		21691	49338
2.013		17036	20038
2.072		2213	1973
2.165		4004	3876
2.192		5865	8148
2.319		3679	4767
2.369		2301	4244
2.452		3411	4240
2.478		2404	1099
2.504		22614	20370
2.569	TCX	8345227	4955284
2.659		3550	2770
2.74		18725	13094
2.785		102965	57217
2.804		2872	2197
2.852		37782	26252
2.9		17463	9893
2.962		5467	4477
3.058		89104	85443
3.11		6344	7072
3.13		32430	20151
3.155		1807	773
3.179		68318	47067
3.216		77116	46200
3.242		20643	10725
3.262		12463	6133
3.28		19843	11672
3.309		5355	2881
3.327		41696	18939
3.336		28853	10225
3.357		10380	5329
3.371		134718	106397
3.444		91349	59002
3.479		1622309	999039
3.502		553965	319720
3.519		40907	15966
3.536		11771	6197
3.604		790380	499161
3.627		80854	40781
3.648		123325	79516
3.676		132622	68952
3.693		359727	209237
3.732		112808	82892
3.772		87663	80077
3.801		326955	186821
3.823		3749513	2472887
3.847		343464	191439

3.866		211182	114633
3.886		612184	390350
3.921		3314647	2232186
3.952		1175123	675037
3.968		698106	346853
4.027		243496	170544
4.062		1236140	934859
4.117		2580791	1805584
4.15		638018	476565
4.176		4785859	3450966
4.214		314439	295989
4.266		2191812	1782800
4.302		291954	217553
4.334		2807341	1967850
4.357		340516	217127
4.399		1304908	966299
4.424		66019	38479
4.494		1429081	1521412
4.547		1954326	1578880
4.587		489484	433316
4.625		3301235	3035116
4.669		217060	147795
4.692		47858	28034
4.75		39596	66690
4.79		9130	4826
4.809		134444	102304
4.84		147013	93632
4.863		900608	723565
4.913		121984	102496
4.948		100273	78573
4.98		109208	85960
5.011		288281	214382
5.033		328510	297980
5.074		6459	3213
5.104		109080	93730
5.226		1209	788
5.247		14883	12321
5.288		273015	270928
5.332		2363	3381
5.39		1613	2123
5.447		114264	100459
5.495		8145	5195
5.515		143971	118960
5.546		6683	4333
5.563		48944	38419
5.615		15569	36260
5.673		18062	18745
5.762		4325	49566
5.874		70829	97129
6.033	DCB	4455921	4017521
6.144		10986	42492
6.276		23852	73589
6.378		10182	31504
6.487		3728	2800
6.525		15727	38623
6.605		6516	13712
6.676		548596	1196020
6.821		6959	23002
7.052		2075	4069
7.154		1252	2374
7.346		2301	9952
7.529		1131	2972
7.66		820	2300
7.701		978	1449
7.919		1208	1425
8.233		798	1179
8.363		1235	2187

8.565	751	538

AR5431624A AAAR543AA ICAL 1624199999 10736 SW-846 8082

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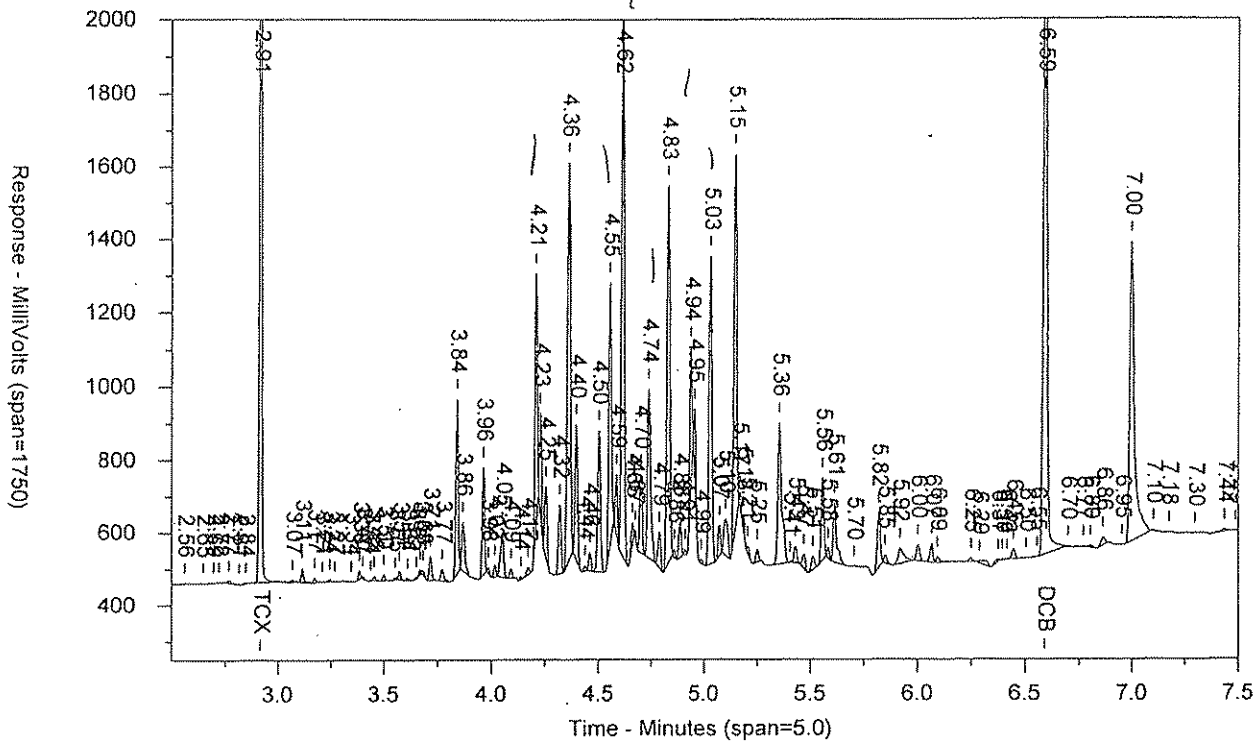

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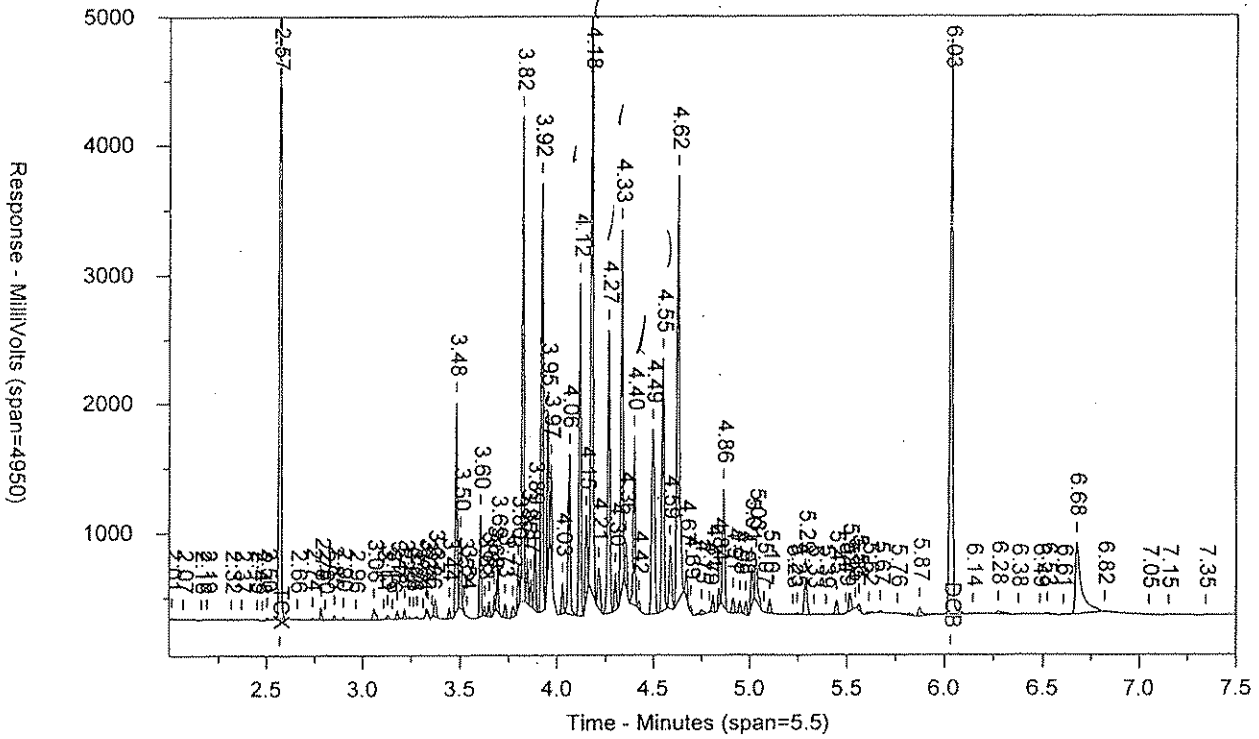

LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:39:47 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	2925810	19.882	TCX	2.569	8345227	20.294	TCX
6.589	2088595	17.398	DCB	6.033	4455921	18.789	DCB

Files:
Area File: 07pcbs16242001.0019.RAW
Area File: 07pcbs16242001B.0019.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 6:48:47 PM
File Reported On: 8/29/2016 at 6:54:36 PM

AR5431624A AAAR543AA ICAL 1624199999 10736 SW-846 8082

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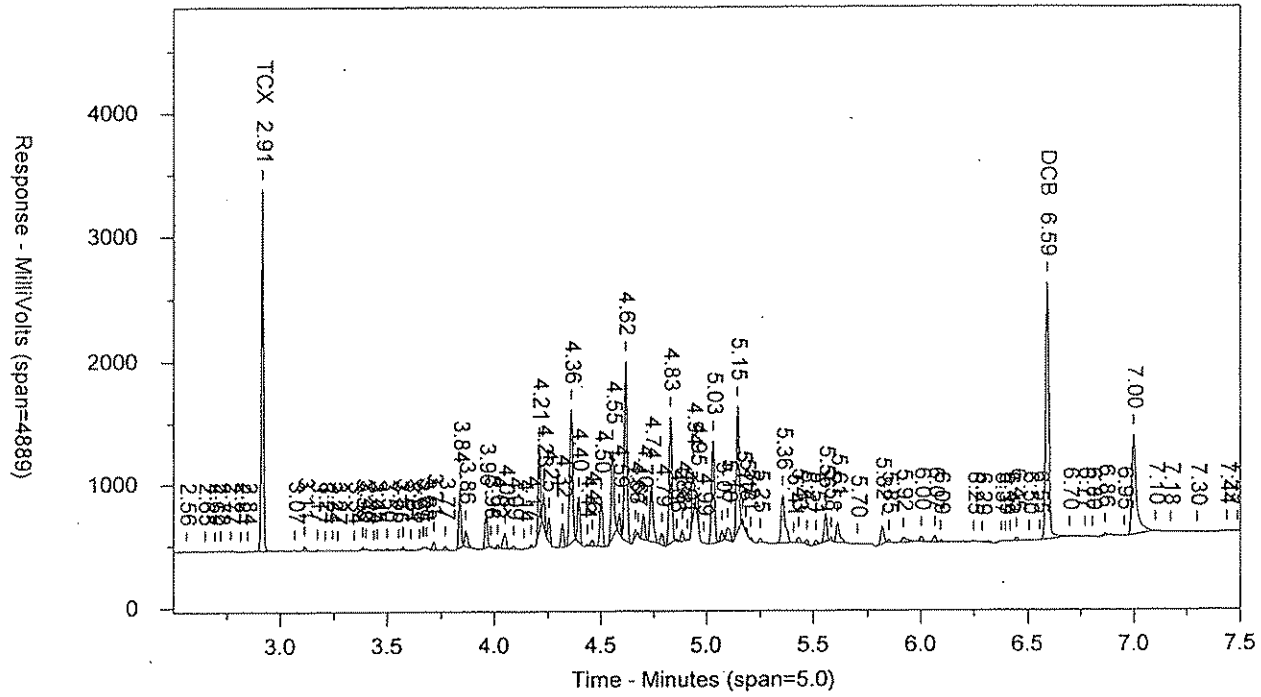

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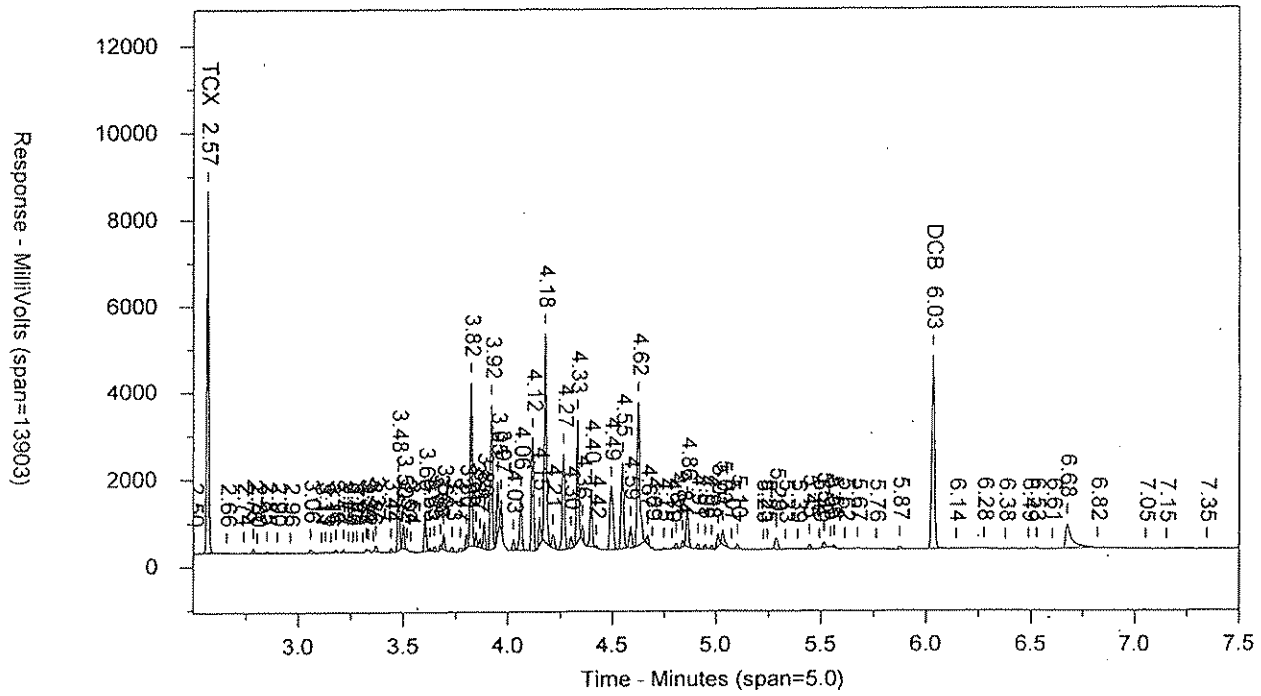

LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:51:13 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.55		3531	12619
1.883		1194	1263
1.93		2456	5298
1.984		10185	15135
2.022		10240	35369
2.095		21975	55639
2.139		11885	30091
2.213		34387	40282
2.285		7263	6932
2.305		14336	14510
2.324		16963	22074
2.369		9782	20708
2.446		3762	10136
2.488		1579	1496
2.563		2470	2978
2.649		1314	528
2.689		1162	1413
2.767		13288	14342
2.816		2199	1232
2.84		2062	2345
2.914	TCX	6167832	4044085
3.067		12237	11729
3.113		72876	56158
3.171		27727	21814
3.242		12691	7769
3.264		4244	3524
3.383		45875	29055
3.4		13524	8394
3.452		21502	14740
3.498		42450	31276
3.553		13334	7961
3.571		48404	31052
3.607		9366	5233
3.65		2740	1309
3.666		24781	13262
3.678		21535	16148
3.714		120734	96744
3.769		54271	45594
3.811		5003	2965
3.837		943673	709361
3.864		250390	248955
3.961		576086	436752
3.984		30688	17944
4.015		66711	46965
4.05		250132	254862
4.091		52512	41802
4.117		3847	2079
4.136		13642	9003
4.171		41417	32549
4.208		1398595	1006380
4.229		565095	336419
4.253		383193	296727
4.319		365422	320751

RT A	Compound A	Height A	Area A
4.361		2210211	2140933
4.396		735520	592583
4.436		27673	18306
4.459		117993	96315
4.501		735383	681691
4.553		1479995	1303660
4.585		333803	218831
4.615		3077943	2643912
4.66		114970	83985
4.674		54402	26463
4.699		421650	344351
4.736		887040	909111
4.787		186993	163959
4.828		2097640	1979749
4.857		39255	23696
4.884		182126	150813
4.909		29171	16569
4.936		667135	519309
4.953		332443	211648
4.985		23534	17489
5.028		1726499	1638602
5.071		165899	137730
5.1		204669	268201
5.145		2240374	1964494
5.166		85181	36912
5.207		47454	30990
5.25		66443	57952
5.271		8528	4603
5.355		749995	960144
5.404		2737	1462
5.43		84728	78139
5.469		71015	65574
5.509		55209	54043
5.555		452579	404509
5.581		57014	38982
5.611		318281	374971
5.819		292812	275168
5.849		45401	45957
5.916		6128	10280
6.002		86331	90590
6.066		111442	97315
6.089		22181	13564
6.244		18743	19027
6.396		980	4174
6.444		54734	57338
6.494		2886	3196
6.588	DCB	4525615	4662206
6.778		1828	969
6.868		1413	1736
6.886		4435	4954
6.944		1526	811
6.999		51415	110711
7.205		1450	1826
7.27		1376	698
7.296		1261	1109
7.327		1201	556
7.454		1694	4627
7.483		1414	1169
7.532		1458	926
7.553		1252	886
7.643		1864	1619
7.7		1718	645
7.814		1577	1579
7.863		1273	852
7.896		1762	941
7.909		1704	947

RT A	Compound A	Height A	Area A
7.976		1884	3874
8.088		879	1187
8.177		2448	5515
8.255		1217	604
8.383		2045	2765
8.496		2296	3369
8.603		1710	2323
8.662		24078	80441

LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:51:13 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.524		1863	1979
1.578		1209	1279
1.695		4836	11813
1.768		5620	15730
1.844		6386	27449
1.889		74468	72488
1.961		23684	50658
2.014		29286	28714
2.072		1480	1196
2.104		864	582
2.164		3015	3030
2.195		5750	5997
2.259		2657	2617
2.321		2222	1861
2.348		743	503
2.371		1284	1005
2.428		1585	1072
2.504		34810	27921
2.568	TCX	17038910	10117820
2.612		4840	2607
2.74		34810	24811
2.785		198128	121859
2.852		73195	48790
2.9		34720	19923
2.963		10831	8071
3.058		167922	158223
3.109		9125	5160
3.13		66442	39806
3.179		133094	91832
3.216		147296	88685
3.242		40717	21886
3.262		24974	12347
3.279		28320	16513
3.306		783	352
3.326		170018	171451
3.356		36982	16981
3.371		251900	192894
3.444		177720	112940
3.478		3169275	1935245
3.501		1077411	607446
3.519		78872	30972
3.536		22924	11888
3.603		1863727	1170129
3.627		148870	75052
3.647		237365	153942
3.676		242697	127298
3.692		679671	407978
3.731		217742	160805
3.771		171948	154777
3.8		610559	353808
3.822		7602344	5007769
3.847		665760	368792
3.866		554601	310546
3.886		1206908	746472

3.92		6704043	4451767
3.951		2352381	1366834
3.967		1372142	679696
4.027		461332	322247
4.061		2503910	1823265
4.116		5433196	3898826
4.149		1353265	984325
4.175		9506186	7056960
4.213		622646	576428
4.265		4451626	3556332
4.301		569054	426398
4.333		5996755	4132655
4.356		716211	442245
4.399		3324797	2411643
4.423		120682	66640
4.495		2977111	3022946
4.546		4194886	3308952
4.586		944962	836591
4.624		6697451	6193620
4.669		458622	290593
4.692		178605	116457
4.749		65643	74905
4.79		15285	8365
4.808		262233	194698
4.839		269126	179071
4.862		1879040	1451069
4.912		227709	197476
4.947		196484	153576
4.979		185262	151540
5.009		755338	557181
5.032		623528	553761
5.073		15290	8365
5.103		208784	176295
5.167		2790	2463
5.223		3184	1678
5.246		32691	26036
5.288		736216	724754
5.389		2208	1259
5.446		220063	189071
5.493		17270	10883
5.515		265189	218680
5.563		105216	90449
5.611		2774	4471
5.673		38706	37971
5.819		1735	3419
5.873		123548	103320
5.901		1886	2803
6.031	DCB	8620573	7876646
6.193		2185	1243
6.225		2394	1595
6.277		2987	8566
6.416		1622	2217
6.483		6750	11824
6.597		1542	1067
6.68		17334	39184
7.325		739	1443
7.521		726	503
7.562		1119	1180
8.228		1309	813
8.317		966	582
8.571		1023	2609
8.66		1088	507

AR5441624A AAAR544AA ICAL 1624199999 10736 SW-846 808:

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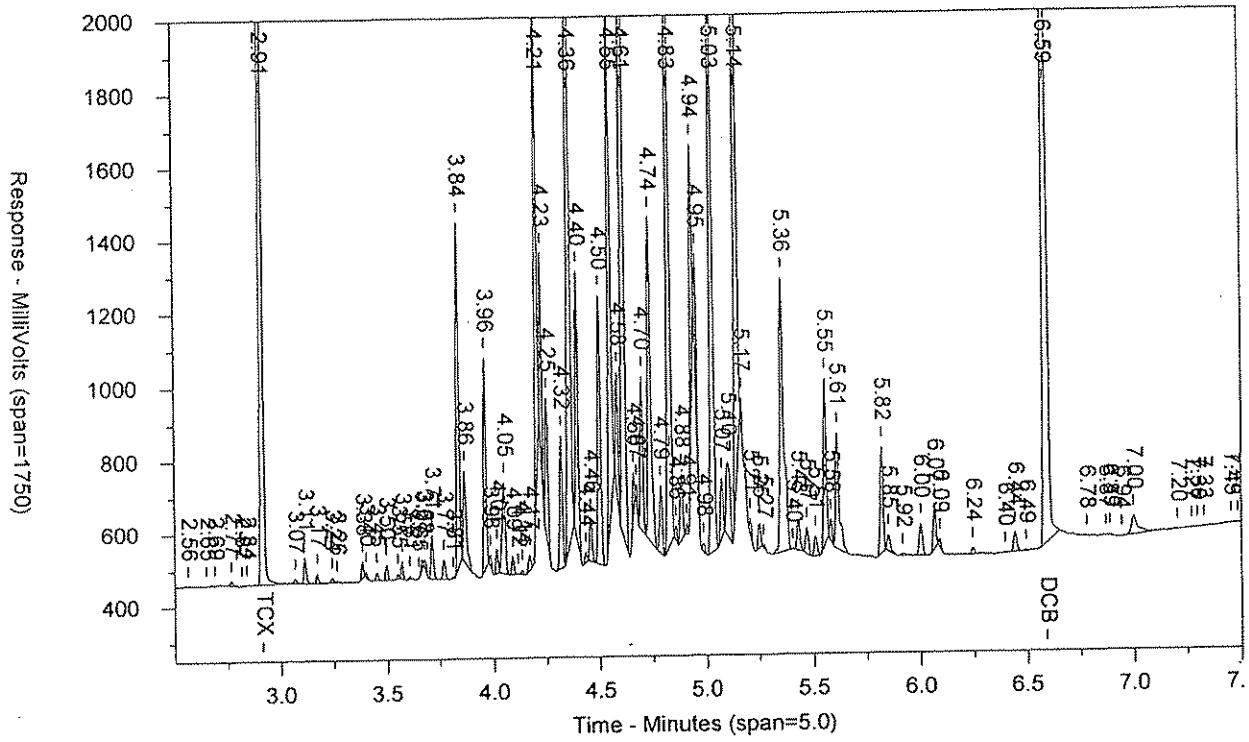

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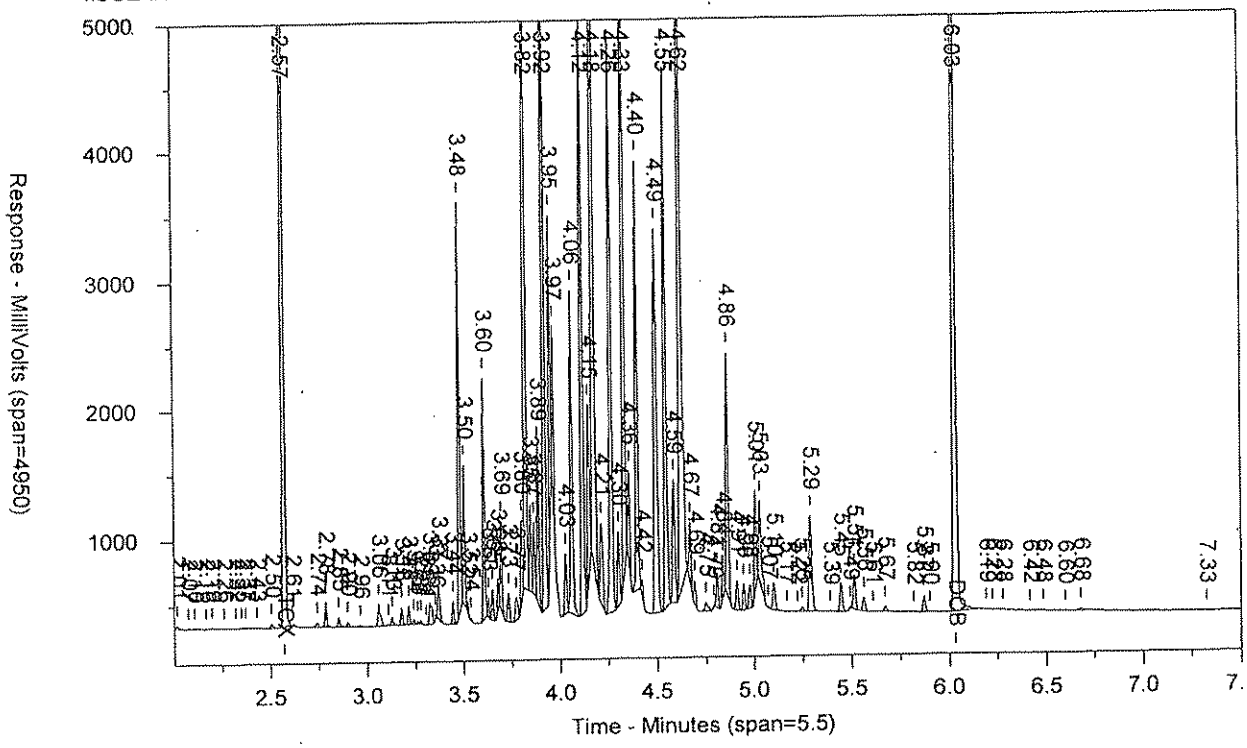

LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 6:51:13 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	6167832	41.913	TCX	2.568	17038910	41.435	TCX
6.588	4525615	37.698	DCB	6.031	8620573	36.349	DCB

Files:
Area File: 07pcbs16242001.0020.RAW
Area File: 07pcbs16242001B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 6:59:59 PM
File Reported On: 8/29/2016 at 7:00:07 PM

AR5441624A AAAR544AA ICAL 1624199999 10736 SW-846 808

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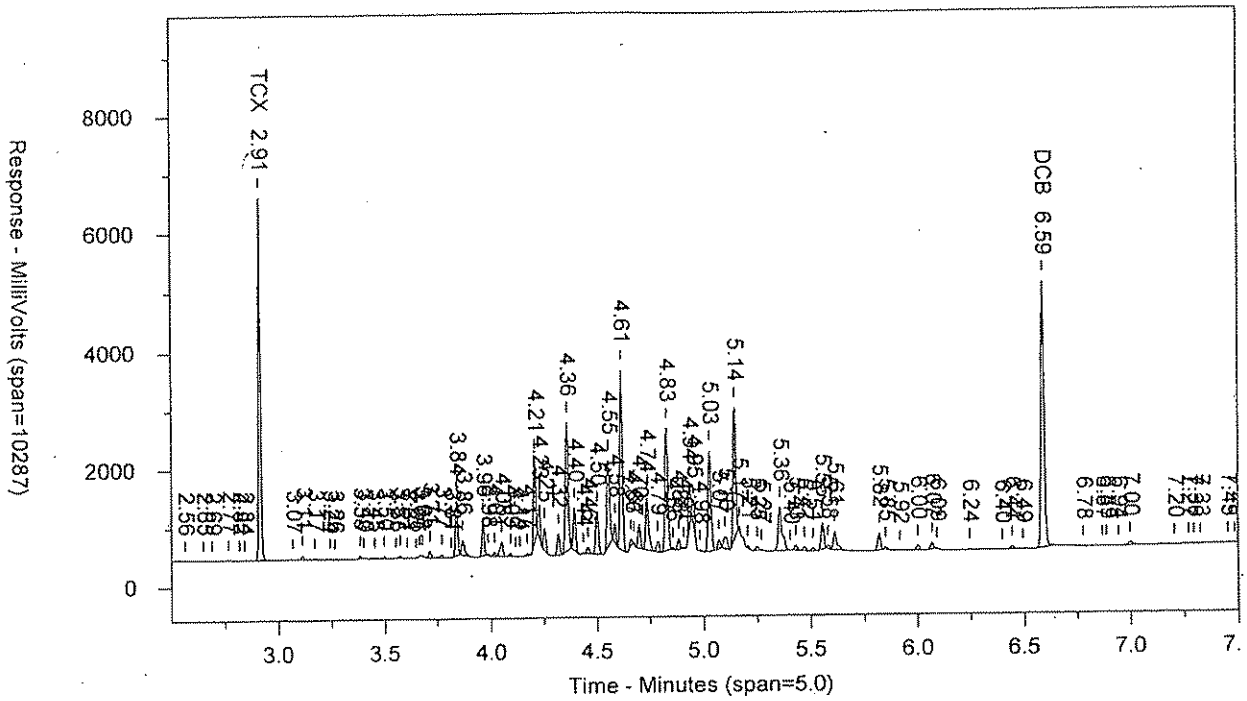

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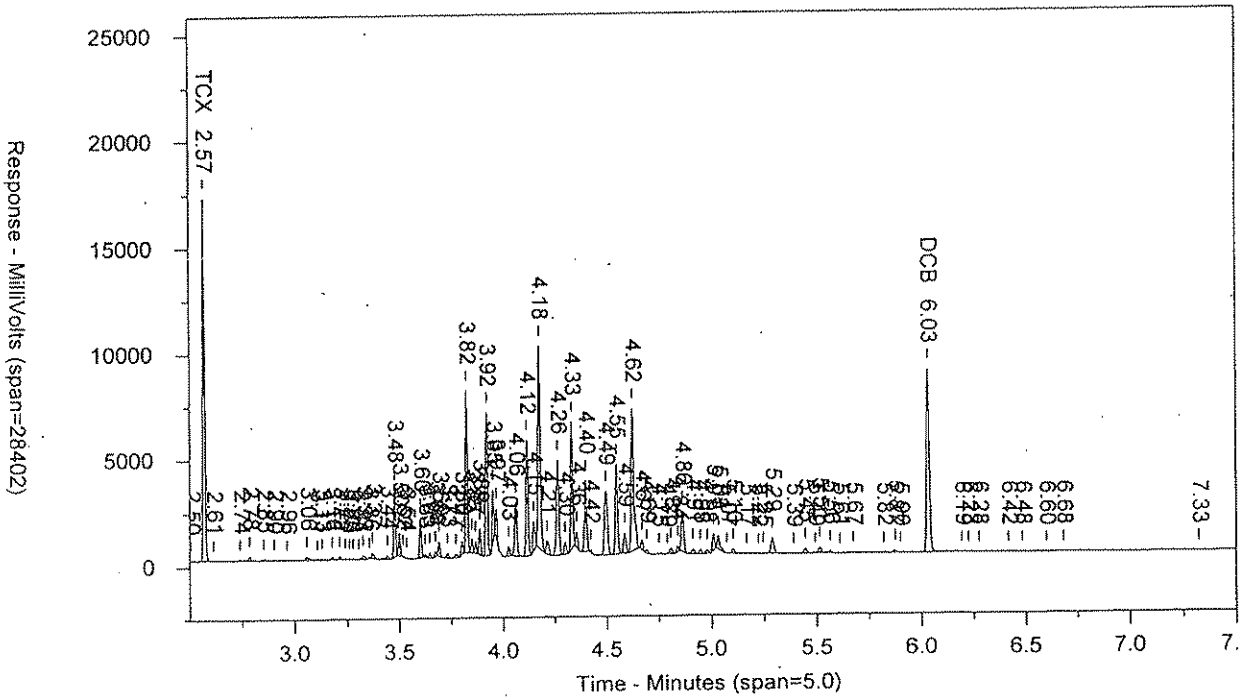

LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:02:44 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.551		14547	33729
1.59		15173	32245
1.647		9022	14711
1.701		6232	7906
1.76		4965	13879
1.809		2554	3490
1.866		1660	2631
1.979		11056	18198
2.017		11378	22081
2.095		25656	64616
2.139		12767	28673
2.214		61447	67734
2.305		13217	17758
2.324		27630	28787
2.37		10275	20333
2.421		3900	3608
2.561		3276	3733
2.646		1503	1020
2.686		1058	1217
2.766		12542	15835
2.816		3339	1952
2.84		4556	5762
2.914	TCX	12777500	8429167
3.016		2590	1474
3.066		23154	20161
3.112		140985	103043
3.17		53151	41509
3.241		24081	15774
3.264		7116	5871
3.383		89946	53718
3.399		24744	15173
3.436		3425	1399
3.452		40379	28121
3.497		84947	63138
3.552		25068	15904
3.571		88021	56487
3.607		16237	9073
3.665		50448	27368
3.677		44551	32531
3.713		230776	180641
3.768		99425	83175
3.81		11568	6938
3.836		1909596	1415193
3.863		506002	474240
3.91		8814	4465
3.96		1162587	872270
3.983		58013	34149
4.015		118905	89227
4.049		471378	495422
4.089		98550	81416
4.118		6525	3222
4.136		27067	17935
4.17		75716	60928

RT A	Compound A	Height A	Area A
4.208		2904147	2088865
4.228		1194372	713461
4.252		792355	592271
4.318		736655	629490
4.36		4736475	4429528
4.396		1510748	1194365
4.435		51314	34028
4.458		242889	192046
4.5		1482985	1359476
4.553		3067949	2733240
4.584		653999	448490
4.614		6339015	5526281
4.66		226675	167468
4.673		97401	47483
4.699		826593	686494
4.735		1823439	1827063
4.786		354013	320017
4.828		4404430	4121041
4.856		79225	45509
4.883		343846	292671
4.909		73698	42215
4.936		1440619	1078478
4.952		633876	416458
4.985		42630	33511
5.028		3726821	3466829
5.071		337102	271518
5.098		396856	526008
5.145		4578089	4095459
5.166		157276	75847
5.206		85654	57799
5.249		132025	112207
5.27		19192	11168
5.355		1525024	1933019
5.404		8705	4316
5.43		157846	149210
5.47		143706	131014
5.51		103033	101031
5.554		953558	836530
5.581		116913	78998
5.611		653327	753843
5.693		2954	11072
5.818		592053	547922
5.848		95900	92203
5.912		3902	3957
6.001		178543	181307
6.065		223236	192173
6.087		39877	25650
6.244		38811	43483
6.287		3987	4506
6.371		2673	4355
6.409		2063	1334
6.442		106356	110298
6.495		1386	746
6.586	DCB	9426819	9674645
6.745		3718	2703
6.777		3197	5136
6.846		2778	2913
6.882		4045	5809
7		13906	17549
7.037		7243	8063
7.136		1058	1271
7.202		1373	1808
7.248		1971	2943
7.34		1381	1504
7.403		1353	2148
7.436		1251	1746

RT A	Compound A	Height A	Area A
7.462		1199	1361
7.484		1426	793
7.54		873	909
7.563		1742	1213
7.631		1796	2016
7.686		1938	618
7.758		1624	1543
7.804		1779	2115
8.007		1332	1056
8.068		1032	727
8.11		1559	558
8.163		2127	3140
8.49		1753	1894
8.569		1000	1256
8.654		2817	3087

LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:02:44 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.519		2035	2169
1.581		1392	963
1.682		5575	17080
1.746		2602	4389
1.806		2446	3012
1.89		127696	100431
1.963		25861	50320
2.014		51855	43057
2.104		4498	11459
2.167		3010	3634
2.195		6384	7140
2.261		4905	4781
2.32		3006	2666
2.37		1893	1497
2.393		1034	759
2.428		1806	1143
2.454		4094	3896
2.48		2253	1159
2.504		32695	25380
2.569	TCX	35270730	20992220
2.612		10291	5188
2.74		65138	46808
2.785		394574	242478
2.852		148535	95548
2.9		68838	39262
2.963		22982	17991
3.023		1670	624
3.058		307003	301240
3.109		17501	9969
3.13		123063	74398
3.154		7473	3873
3.18		247988	176770
3.216		273698	165696
3.242		87843	46502
3.262		49536	24921
3.278		37642	20446
3.326		325975	331945
3.356		76716	33667
3.37		459520	362632
3.444		336206	216200
3.478		6504154	3871955
3.501		2130866	1187844
3.519		152133	62091
3.536		46673	22630
3.603		3872634	2374943
3.626		278262	143787
3.647		456366	297683
3.676		465989	242645
3.692		1379400	810591
3.731		418367	311770
3.772		330652	298711
3.8		1274548	726640
3.822		15572190	10243880
3.847		1425805	764082

3.865		1188046	653018
3.886		2408611	1483474
3.92		13712010	9068751
3.951		4936281	2832230
3.967		2766384	1371955
4.027		891589	615722
4.061		4906272	3663167
4.116		11469830	8066223
4.148		2861945	2110225
4.175		20204930	14686950
4.213		1185375	1137791
4.265		9024563	7220316
4.301		1182075	866901
4.333		12993570	8807765
4.356		1398523	885161
4.399		6974993	5010751
4.422		272609	138166
4.494		6034833	6195227
4.546		8983991	7105045
4.586		1914196	1706009
4.623		13685290	12627590
4.669		936236	583543
4.692		358413	241271
4.749		129045	144207
4.79		31465	17081
4.808		519406	391342
4.84		544675	349129
4.862		3946356	3012801
4.912		449817	382207
4.947		371739	298787
4.98		371270	295499
5.009		1780388	1301497
5.032		1329624	1171535
5.073		29328	16848
5.103		419167	354037
5.168		5274	3992
5.223		5616	3340
5.246		60323	48507
5.287		1466206	1474184
5.389		4189	3119
5.446		419880	364970
5.493		41816	25258
5.515		520981	424495
5.563		194711	174303
5.614		3277	6224
5.673		74455	64537
5.704		4329	3450
5.825		4784	4939
5.872		225064	201465
5.902		4136	2369
6.031	DCB	18040490	15968660
6.178		3021	1925
6.205		1474	802
6.277		4998	4721
6.331		4292	4181
6.365		4690	3710
6.412		4054	2536
6.439		3120	1342
6.485		14627	19290
6.687		3888	7369
7.698		719	420
7.812		1508	1915
7.891		679	338
7.993		1150	765
8.297		687	926

AR5451624A AAAR545AA ICAL 1624199999 10736 SW-846 808:

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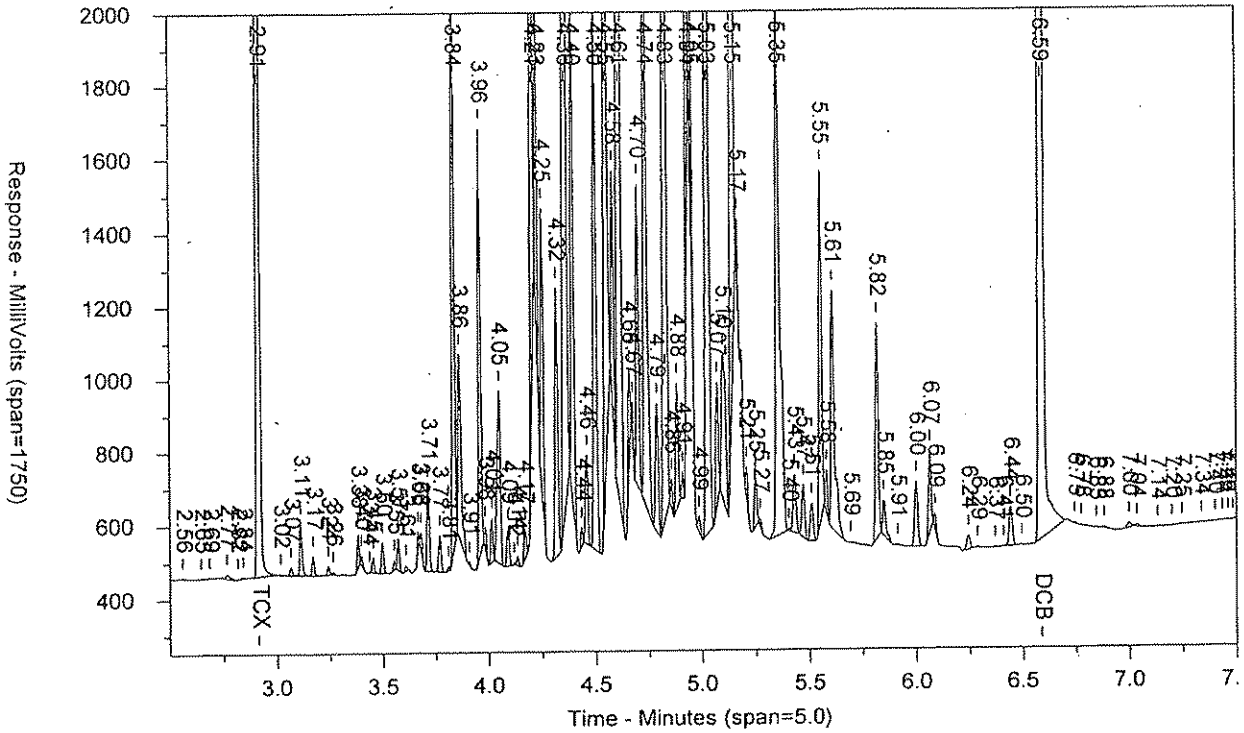

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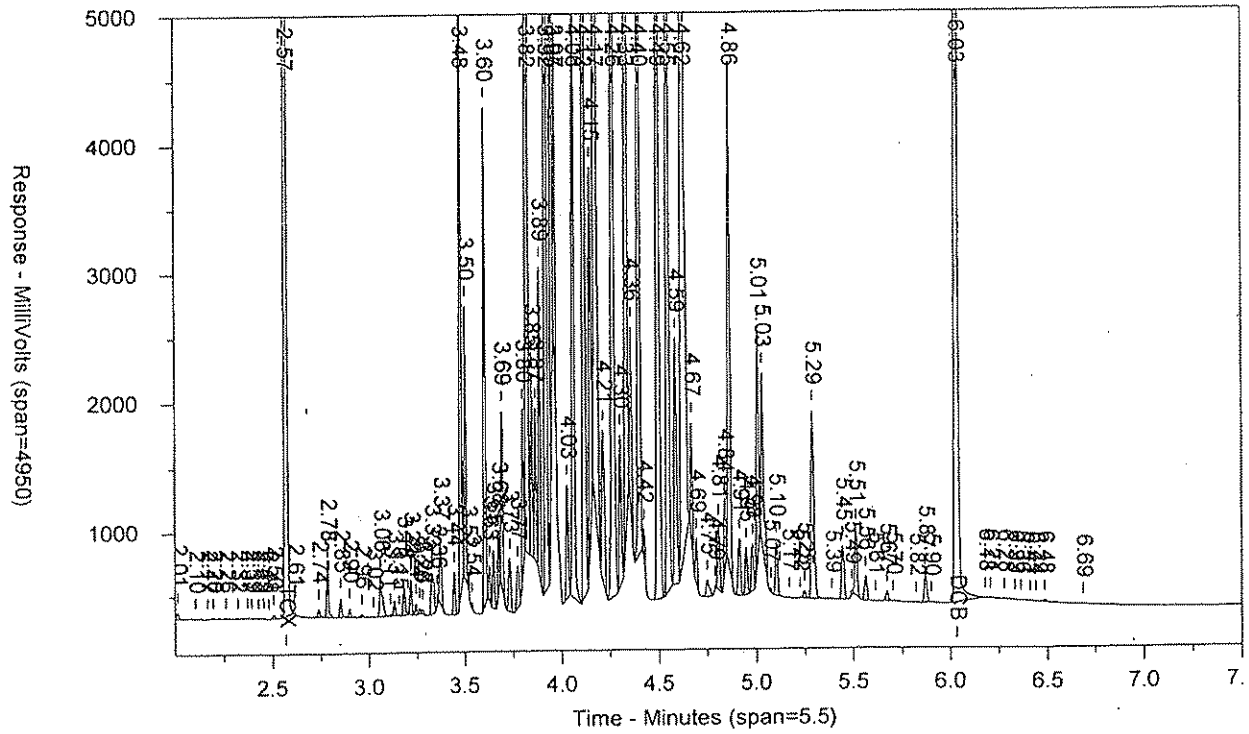

LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:02:44 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound I
2.914	12777500	86.828	TCX	2.569	35270730	85.772	TCX
6.586	9426819	78.525	DCB	6.031	18040490	76.069	DCB

Files:
Area File: 07pcbs16242001.0021.RAW
Area File: 07pcbs16242001B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 7:11:25 PM
File Reported On: 8/29/2016 at 7:11:35 PM

AR5451624A AAAR545AA ICAL 1624199999 10736 SW-846 808:

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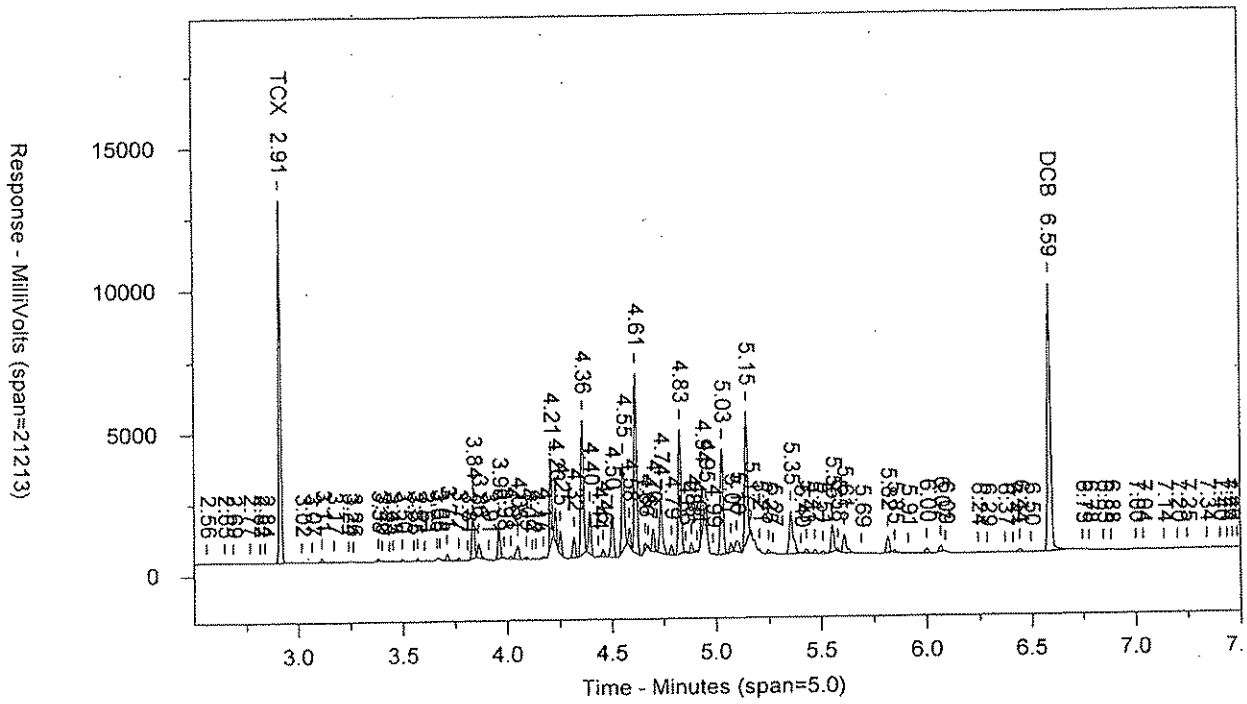

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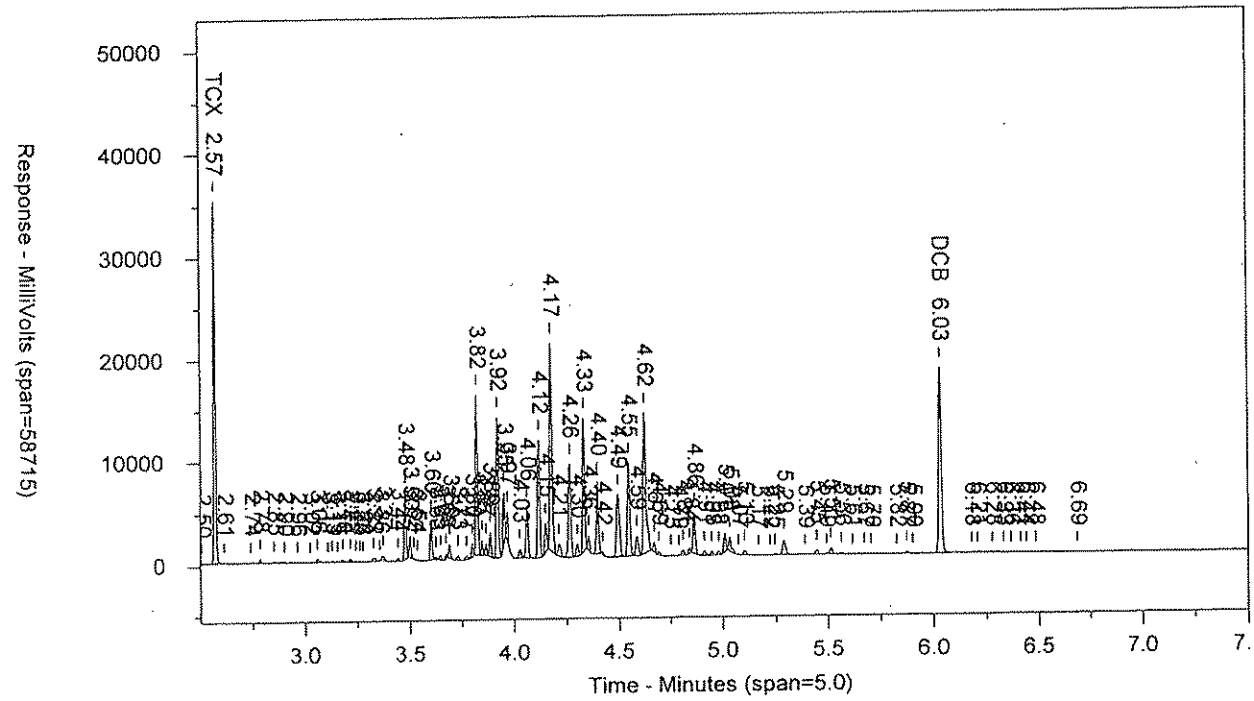

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:14:14 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.548		1684	4803
1.702		1365	755
1.843		1385	762
1.978		4974	3506
2.016		4354	7002
2.091		25045	49882
2.184		5129	13558
2.304		9127	11224
2.369		6199	10896
2.445		897	2374
2.562		2128	3514
2.674		1114	337
2.767		10901	11305
2.871		2107	5335
2.917	TCX	2189	2362
3.065		3477	2475
3.121		3484	3371
3.17		16534	12460
3.24		1211	453
3.266		2480	1918
3.316		1581	1716
3.356		921	375
3.383		18062	10344
3.399		8005	4153
3.436		1849	757
3.456		1840	1338
3.498		22385	16334
3.571		7508	5658
3.606		4674	2596
3.648		2562	1077
3.665		8741	4316
3.676		16714	8509
3.712		28585	22267
3.77		24151	19444
3.837		21175	16213
3.871		31692	30041
3.899		2735	3107
3.961		17803	13991
4.014		5030	3116
4.04		18734	24338
4.091		5537	4468
4.134		2931	1673
4.17		9101	6084
4.207		108176	94109
4.227		11522	6344
4.25		14548	10660
4.28		3711	2574
4.317		12393	11775
4.361		144799	139112
4.395		12890	9487
4.456		7420	7581
4.496		95182	96591
4.568		122955	151401

RT A	Compound A	Height A	Area A
4.614		71714	63289
4.658		427877	445259
4.697		74357	55170
4.736		709100	680967
4.778		26986	25951
4.824		54286	60867
4.858		17402	12827
4.882		85049	76152
4.935		822439	926934
4.984		374909	360095
5.028		365352	449711
5.071		10987	6818
5.108		39501	39170
5.142		703989	732131
5.184		8546	4869
5.207		1125562	1070059
5.249		494097	486635
5.344		163448	126989
5.371		998092	1009510
5.429		418683	432912
5.469		117082	94139
5.511		54161	51429
5.554		179460	171313
5.61		2472069	2623111
5.815		1467120	1594655
5.87		708193	1192723
6.001		70352	70401
6.065		23987	17476
6.087		330956	309728
6.244		936650	960530
6.288		51709	50421
6.442		369798	378495
6.511		1404	552
6.587	DCB	9806	11027
6.617		1192	434
6.679		722	2463
6.749		1210	1859
6.807		1392	1606
6.84		1377	545
6.887		5783	8988
7.006		6200	8978
7.115		1274	1557
7.28		1510	2179
7.321		1189	1448
7.35		820	1134
7.466		1458	1962
7.481		1333	611
7.58		1352	3551
7.614		1330	683
7.656		1382	1032
7.675		1475	696
7.7		1541	927
7.754		1318	2106
7.775		1578	690
7.825		2025	1273
7.955		1081	1434
8.057		1198	501
8.098		1495	874
8.163		1734	3022
8.216		1274	605
8.324		2155	1473
8.365		1881	4054
8.428		1457	1080
8.464		1251	483
8.496		2506	3986
8.667		9117	20465

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:14:14 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.518		2803	4166
1.547		3256	3053
1.621		1804	2366
1.662		1275	742
1.741		4817	13074
1.848		5646	22886
1.885		19708	16831
1.915		3840	4944
1.962		39149	86234
2.119		1629	1951
2.167		1833	1518
2.195		6074	10771
2.321		2678	2192
2.369		1362	712
2.504		29459	21810
2.549	TCX	2042	1674
2.614		4716	3973
2.74		8474	6356
2.8		6980	4460
2.852		43781	28560
2.963		6717	5125
3.058		60657	60943
3.109		6366	3857
3.131		6912	5540
3.155		2867	1143
3.179		62342	43795
3.216		20699	13170
3.262		12782	6524
3.279		21061	12923
3.327		26448	12199
3.336		47474	20262
3.369		64533	55775
3.406		2739	1318
3.443		71054	46448
3.479		72754	42950
3.502		127413	80943
3.535		15329	10050
3.604		64477	41288
3.626		18712	9850
3.647		17899	10166
3.675		47745	26520
3.692		32165	18553
3.73		26126	19351
3.776		58977	53721
3.805		31188	18809
3.821		427675	274858
3.847		34411	19117
3.866		12781	6256
3.886		46861	29191
3.92		475616	323656
3.952		59061	33864
3.966		31864	15688
4.014		4931	3263
4.03		10645	6226

4.05		244392	228305
4.091		17135	10335
4.116		99506	70547
4.156		326560	220032
4.188		1369809	998661
4.214		336284	334665
4.264		2352061	1780083
4.303		90111	65691
4.333		70919	43748
4.357		324588	268833
4.398		2496713	1944593
4.498		2352241	2109876
4.549		439234	356381
4.589		713092	581298
4.623		1522949	1269078
4.655		3379972	2578056
4.692		1394150	1091037
4.748		3036	1995
4.789		682484	562961
4.839		3319394	2845726
4.911		1313088	1272001
4.947		398020	317454
4.977		375973	291580
5.032		6169357	5365915
5.073		59077	39721
5.103		403638	333603
5.223		93285	60676
5.246		2314816	1958647
5.293		3916520	4103024
5.446		171602	154270
5.492		20795	12956
5.514		111155	85308
5.563		851524	762324
5.673		2033017	1781534
5.705		84441	62733
5.872		766853	707285
6.032	DCB	20037	17827
6.205		2380	3067
6.695		2422	7302
6.981		953	1130
7.507		796	625
7.795		1224	1062
7.997		779	1149
8.324		1032	494
8.403		1003	669

AR6231624A AAAR623AA ICAL 1624199999 10736 SW-846 8082

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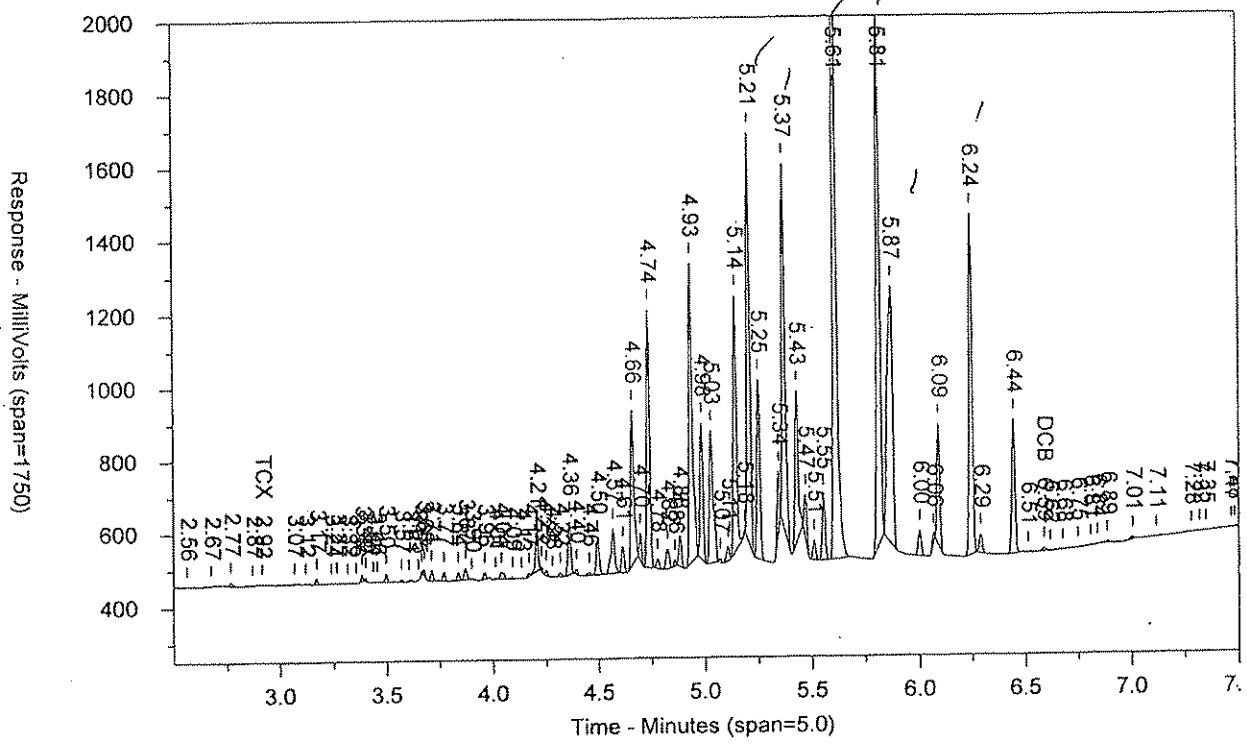

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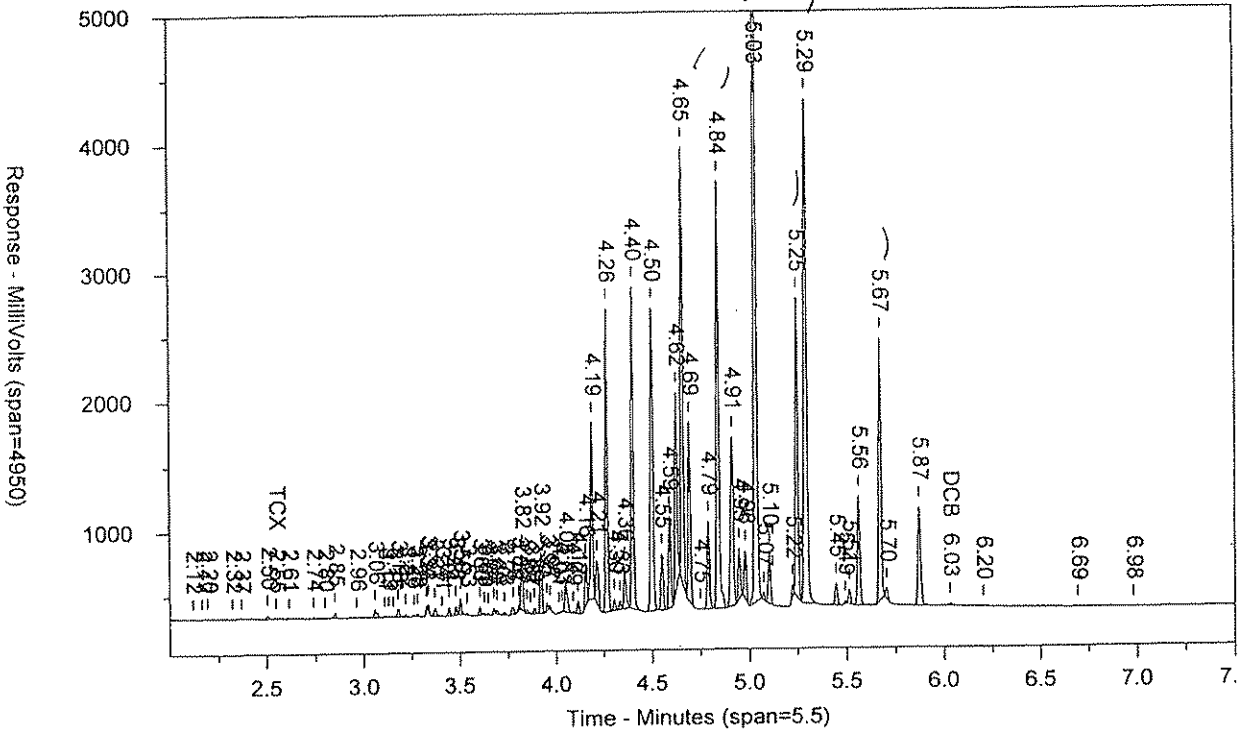

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:14:14 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.917	2189	.015	TCX	2.549	2042	.005	TCX
6.587	9806	.082	DCB	6.032	20037	.084	DCB

Files:
Area File: 07pcbs16242001.0022.RAW
Area File: 07pcbs16242001B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 7:22:56 PM
File Reported On: 8/29/2016 at 7:23:05 PM

AR6231624A AAAR623AA ICAL 1624199999 10736 SW-846 808:

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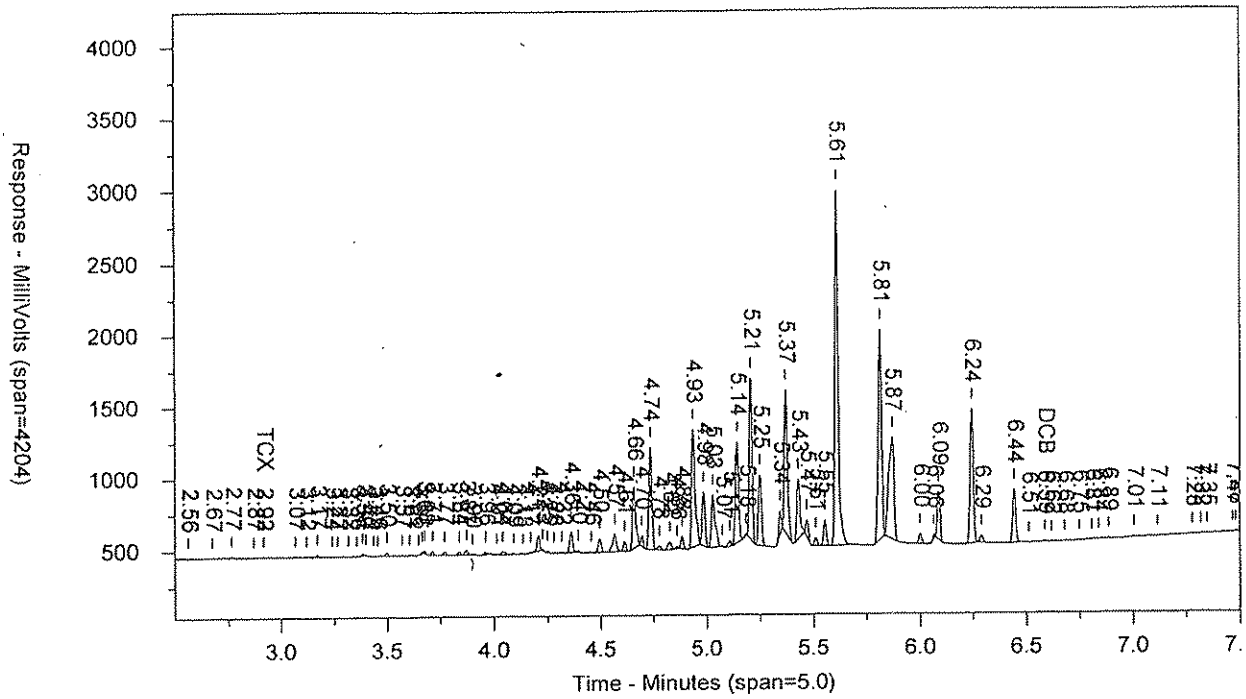

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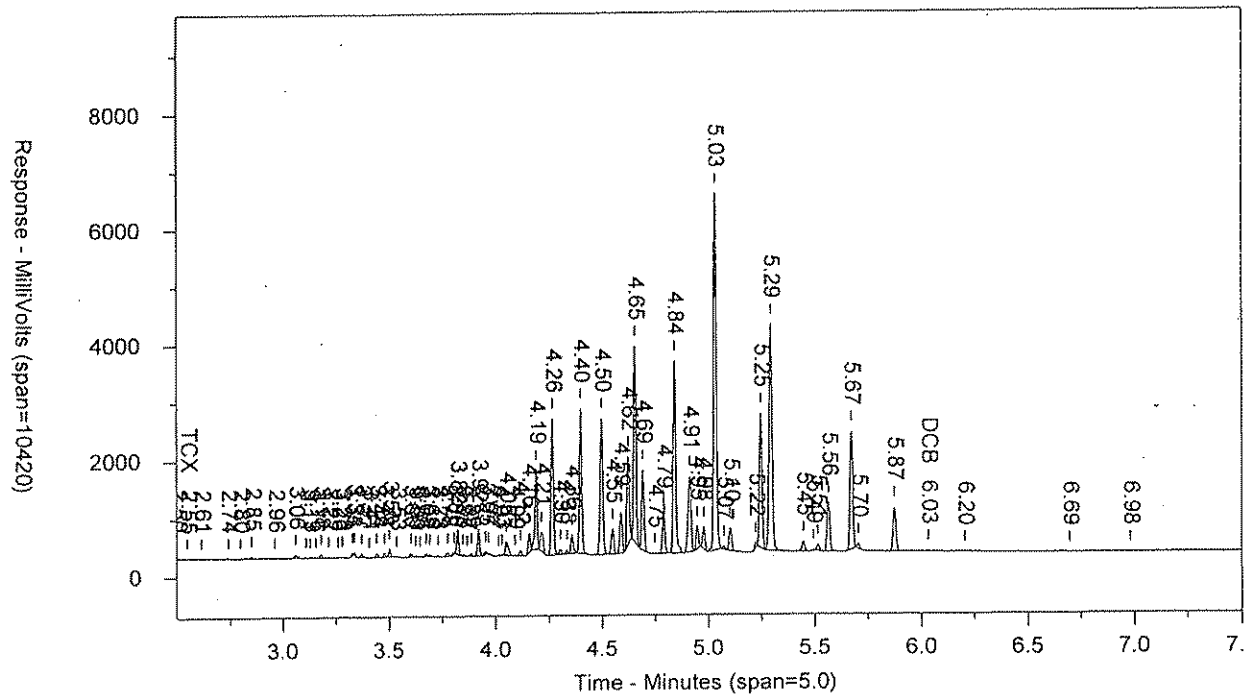

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:25:41 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.548		5259	12614
1.654		4356	7647
1.761		4333	5648
1.81		1347	1559
1.932		8539	42672
1.979		12105	17613
2.008		9695	13162
2.042		7319	11521
2.092		25595	50170
2.139		7527	16706
2.185		6404	7706
2.286		3944	3051
2.304		11141	8091
2.383		7996	12389
2.444		3992	10183
2.481		6913	13455
2.574		5873	6717
2.649		1418	965
2.665		3389	2964
2.711		1623	1592
2.751		2604	984
2.815		1914	1447
2.841		4777	4707
2.924	TCX	5546	9025
3.006		4545	6647
3.088		3424	3074
3.172		6356	7976
3.244		3585	3501
3.263		2249	2767
3.318		3316	5181
3.386		7052	11724
3.477		2815	4977
3.497		6766	5106
3.533		2345	2693
3.57		2978	2406
3.607		3321	3746
3.647		5161	3031
3.675		9285	9339
3.713		11565	9710
3.768		9029	7621
3.809		1654	987
3.836		6643	5117
3.87		8154	8725
3.899		2802	3065
3.96		7831	6572
3.982		3342	2324
4.014		3457	2039
4.045		10058	13668
4.088		7446	8940
4.17		4120	2699
4.191		14459	20094
4.227		13854	9355
4.249		9531	6155

RT A	Compound A	Height A	Area A
4.278		5957	10619
4.356		16821	14411
4.378		3903	1603
4.452		8352	7843
4.495		63638	64254
4.552		19613	22963
4.613		7032	6222
4.658		7439	6893
4.698		14933	13483
4.734		21572	19562
4.776		55503	53124
4.82		25605	25813
4.857		92677	83389
4.899		1723	1217
4.937		3373	2809
4.953		6716	4694
4.984		61007	56645
5.029		18677	27615
5.098		40415	39515
5.139		26211	27517
5.184		36671	25066
5.206		409875	369084
5.249		53633	51191
5.344		43072	35957
5.384		583041	741805
5.449		188030	230402
5.51		102609	101521
5.554		18377	17155
5.61		187371	141409
5.63		160894	118601
5.812		3086114	3021921
5.871		2638108	2942024
6.001		2581245	2451914
6.066		561354	500311
6.087		82267	51604
6.206		1240	637
6.243		1101725	1059344
6.288		9081	7790
6.405		1417	666
6.441		8954430	8834317
6.499		6490	3786
6.585	DCB	1736203	1913981
6.757		1968	1470
6.794		2139	3077
6.885		5798	9561
6.945		1290	462
6.97		1299	675
7		6224	9456
7.175		1583	1217
7.187		1804	976
7.259		1421	2056
7.277		1066	561
7.33		1283	251
7.405		1392	2335
7.51		1405	6678
7.544		998	1102
7.578		1171	1941
7.595		1383	727
7.689		1512	3425
7.75		1898	3589
7.797		1840	1290
7.866		1373	2195
7.944		1735	857
7.965		1682	1183
8.056		1115	615
8.143		1291	417

RT A	Compound A	Height A	Area A
8.174		2072	1567
8.232		1380	531
8.283		1258	1281
8.434		1997	1429
8.478		1187	573
8.61		1676	1151
8.656		9414	23778

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:25:41 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.518		13367	13858
1.546		4257	3906
1.625		11318	10584
1.664		4393	3572
1.689		6894	8144
1.713		4122	2520
1.736		12658	15544
1.769		8442	11674
1.845		18213	51682
1.885		33111	32734
1.914		7247	9461
1.961		39256	91116
2.059		5998	8468
2.164		7309	7126
2.196		7208	6842
2.263		4256	5248
2.317		2599	2400
2.37		6646	12579
2.461		3685	4522
2.504		13306	11984
2.555	TCX	4064	9210
2.658		4172	6854
2.757		3152	8159
2.812		1738	1436
2.853		11767	12771
2.939		1655	2741
2.964		3312	3108
3.01		1712	1989
3.058		13903	15516
3.108		3144	4381
3.137		6227	6302
3.18		24440	20658
3.218		5665	5187
3.263		1836	977
3.28		22823	13421
3.326		7924	3970
3.335		11027	4469
3.37		20229	23603
3.402		3469	2919
3.443		25762	18053
3.478		18709	11249
3.501		31469	17919
3.534		11969	8983
3.602		26210	15648
3.625		12572	7492
3.643		2620	1342
3.674		23657	12846
3.691		15744	9766
3.731		22982	15705
3.776		58991	44622
3.804		37333	25983
3.823		48730	29089
3.846		30137	17814
3.886		9781	6451

3.919		9787	6076
3.952		19409	10689
3.966		16710	13513
4.013		6210	4039
4.03		16143	8774
4.049		166969	137590
4.09		48555	30862
4.114		15250	10513
4.155		10629	11034
4.174		8804	3975
4.187		18478	9974
4.215		9359	9581
4.264		106080	89796
4.302		170706	122489
4.331		9789	7048
4.353		37074	19468
4.371		243861	174896
4.398		14905	8117
4.497		223940	193396
4.548		65364	55584
4.592		163087	138115
4.623		46000	34344
4.654		1324124	1237493
4.692		130766	91488
4.789		176971	146741
4.837		2070247	1744767
4.863		35348	19589
4.902		539648	519768
4.946		19377	11836
4.962		5448	2366
4.979		238422	185783
5.03		686265	624022
5.102		695780	604091
5.184		3676	3283
5.221		83960	51722
5.245		7372811	6099927
5.293		7280009	6258747
5.444		5835591	5114352
5.513		1531461	1349724
5.562		436216	373849
5.671		2379128	2116490
5.796		7928	8010
5.871		18003980	15771150
5.98		4819	2984
6.03	DCB	3423787	3080272
6.096		3766	2396
6.122		3565	4816
6.199		5013	6392
6.281		1863	1433
6.366		8694	9503
7.513		669	495
7.564		707	1200
7.882		1181	1273
8.365		1059	2856
8.47		862	1393

AR6831624B AAAR683AA ICAL 1624199999 10736 SW-846 808:

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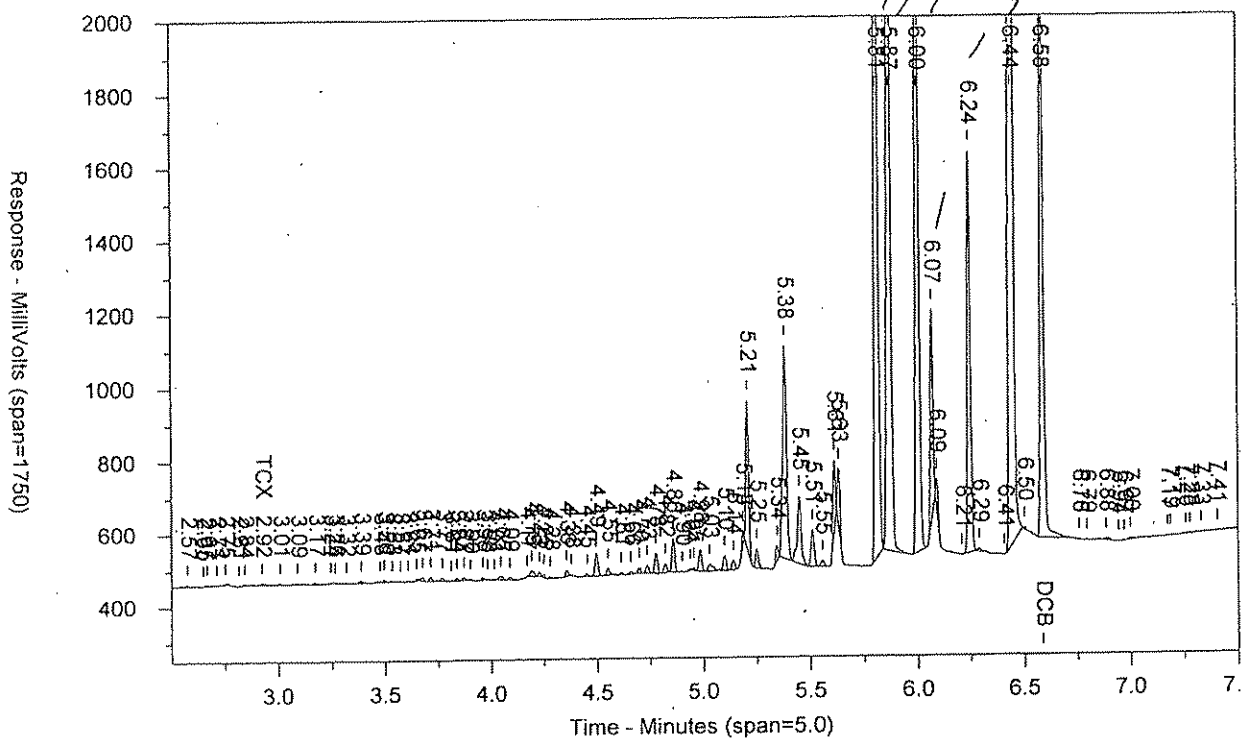

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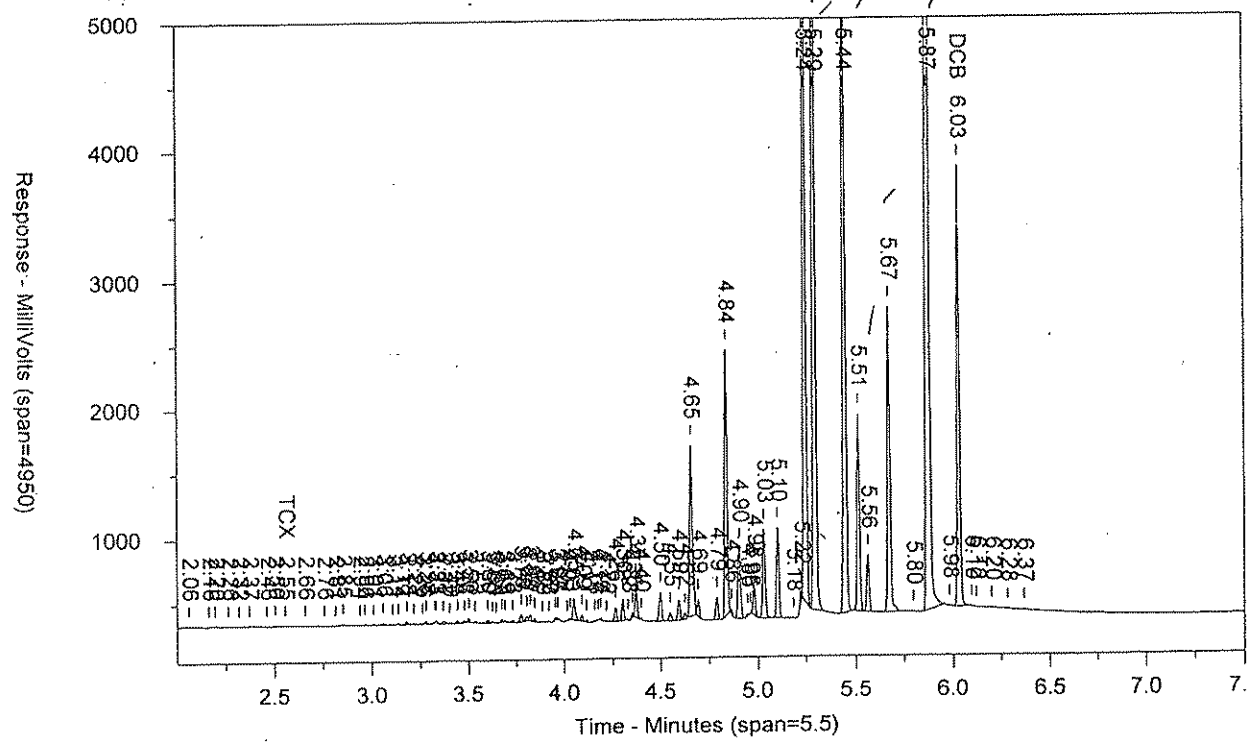

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:25:41 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	5546	.038	TCX	2.555	4064	.01	TCX
6.585	1736203	14.463	DCB	6.03	3423787	14.437	DCB

Files:
Area File: 07pcbs16242001.0023.RAW
Area File: 07pcbs16242001B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 7:34:24 PM
File Reported On: 8/29/2016 at 7:34:31 PM

AR6831624B AAAR683AA ICAL 1624199999 10736 SW-846 808:

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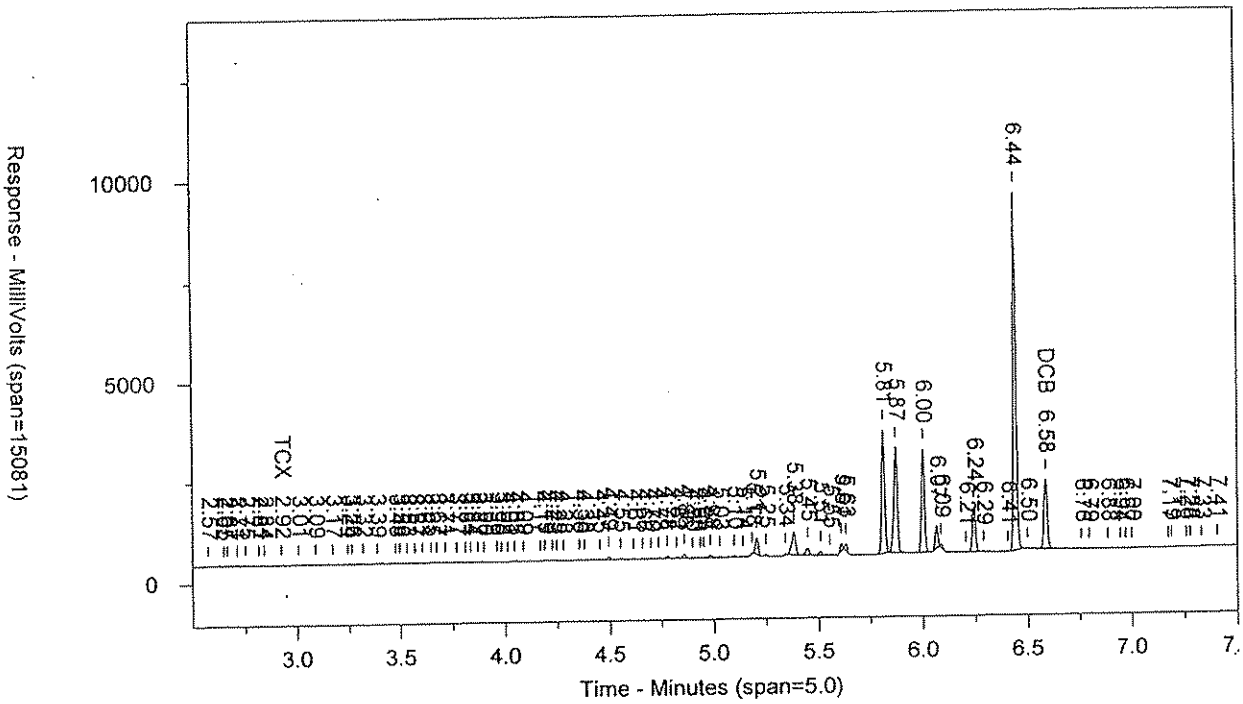

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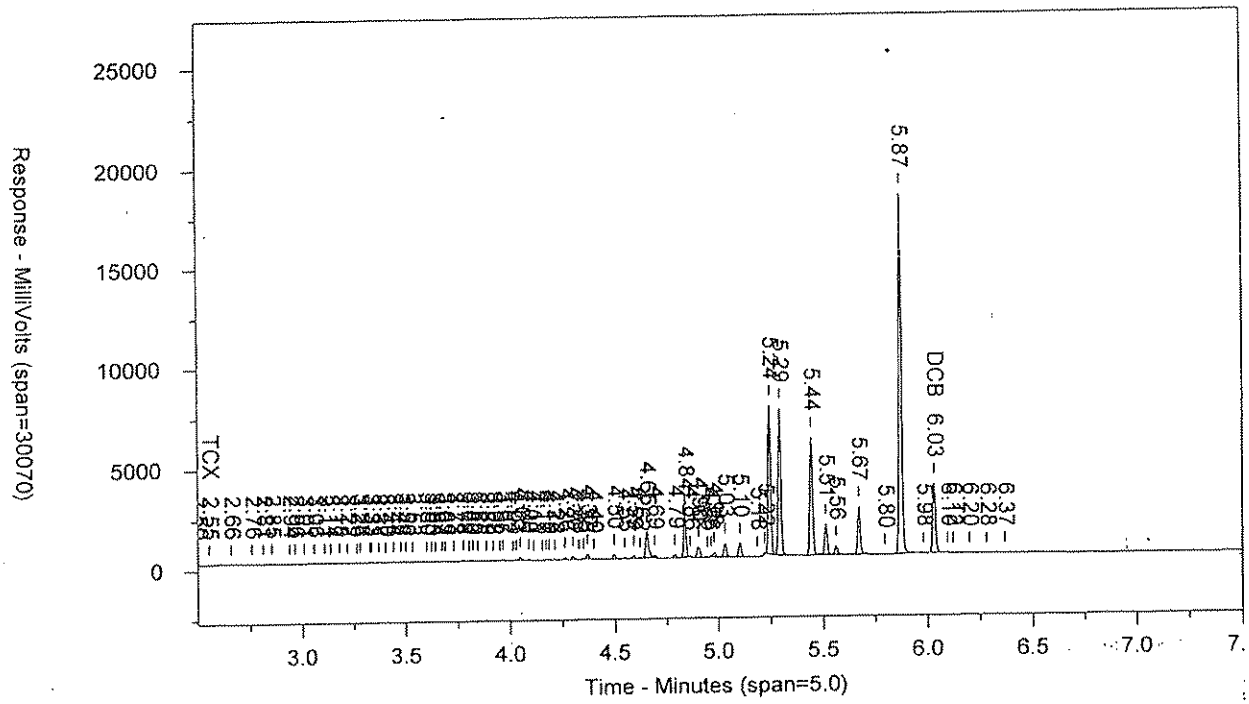

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:36:57 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.547		9975	45679
1.646		3839	5710
1.72		3626	2762
1.758		3865	4027
1.801		846	564
1.868		3959	3620
1.977		9333	10299
2.011		2849	3804
2.092		16986	35557
2.137		2421	1393
2.182		8017	9080
2.213		36423	53997
2.287		12138	13504
2.304		18343	16889
2.323		18357	26040
2.384		11452	24248
2.463		5646	19145
2.48		9213	16368
2.557		182890	152724
2.664		4387	5453
2.752		2685	1529
2.833		58124	41444
2.913	TCX	6331267	4240450
3.007		3916	4538
3.066		239553	199983
3.122		201210	180147
3.169		661535	471731
3.241		14676	9780
3.262		4386	3111
3.317		3002	2689
3.382		31477	18346
3.407		25209	36754
3.467		83285	58724
3.496		43217	30210
3.551		15500	12508
3.57		4074	2139
3.605		10488	5782
3.619		9714	5006
3.647		3229	1609
3.673		71398	78269
3.71		56326	44775
3.769		35298	27060
3.812		1451	957
3.835		15874	11671
3.863		8701	11871
3.958		11880	9069
3.987		4125	3230
4.012		3201	2013
4.052		17665	18025
4.087		4006	2928
4.174		3923	6060
4.206		15395	10853
4.226		11310	7041

RT A	Compound A	Height A	Area A
4.249		9103	6214
4.279		3428	2603
4.314		2598	2046
4.358		24553	25420
4.394		5130	3063
4.449		1836	1038
4.498		9814	9652
4.55		18488	17568
4.612		23370	21393
4.658		1772	1637
4.699		5981	5306
4.732		7661	7062
4.786		2737	3652
4.826		14569	13716
4.856		38095	36203
4.934		5004	3980
4.982		2721	2091
5.025		10077	14013
5.097		66131	65291
5.143		12336	11325
5.249		1658	1345
5.353		4175	5018
5.441		9630	23015
5.508		57694	58525
5.548		1913	2404
5.629		103697	108076
5.723		1637	1471
5.762		1674	1893
5.817		5021	6353
5.853		3421	5064
5.906		2249	2508
5.999		106292	107120
6.064		122697	107400
6.085		18459	12172
6.153		1508	1213
6.244		2224	3160
6.322		1553	1162
6.41		970	872
6.44		61006	61365
6.491		1461	1671
6.583	DCB	4719163	4911374
6.67		4388	3297
6.7		5232	6228
6.735		2591	1512
6.788		1714	2641
6.875		572	1401
6.961		1148	807
7		8674	12795
7.033		3691	3347
7.107		1671	1512
7.137		1428	590
7.216		877	2058
7.304		1620	426
7.346		1003	513
7.398		1493	434
7.459		1274	3433
7.583		1472	3946
7.627		1763	1217
7.733		902	1118
7.756		1836	857
7.791		1167	433
7.893		1264	402
7.965		1682	1798
8.023		1356	1483
8.114		1114	1666
8.169		1338	1350

RT A	Compound A	Height A	Area A
8.265		1130	1055
8.432		1775	1066
8.483		3363	5152
8.547		1418	534
8.622		1795	786
8.66		3766	4746

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:36:57 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.513		10782	11963
1.621		12157	12325
1.68		6087	12147
1.734		15017	18626
1.767		7783	11843
1.842		19509	53884
1.888		86109	83996
1.961		33736	87065
2.013		31927	33593
2.058		7381	10678
2.116		2161	2398
2.16		6984	6423
2.193		6105	5926
2.234		1203	1048
2.256		453645	325695
2.317		1870	1525
2.368		6173	11385
2.46		3315	2995
2.479		4602	2395
2.505		6176	3296
2.525		149373	92873
2.568	TCX	17470780	10578390
2.611		177033	151395
2.653		2879	4942
2.739		755878	488166
2.784		150912	69567
2.8		445589	248082
2.851		1860741	1162649
2.9		33944	19192
2.962		14282	8883
3.038		5525	3520
3.058		73297	33000
3.069		16404	5263
3.077		34723	12127
3.099		65513	47912
3.129		11365	6951
3.154		224727	132033
3.178		129957	78478
3.215		11543	6433
3.242		39549	21282
3.261		32861	15924
3.277		48430	28126
3.308		1133	517
3.326		38337	18560
3.335		120819	55041
3.368		142732	111158
3.404		4439	3000
3.442		112193	67396
3.478		47955	28921
3.5		31126	17576
3.517		6038	2715
3.539		3200	4801
3.602		41113	24541
3.624		16607	9411

3.646		10706	6130
3.674		9554	5059
3.691		48107	30996
3.73		12316	8446
3.776		4851	3539
3.799		17884	10527
3.821		94346	59721
3.845		27532	16183
3.885		20214	14267
3.918		60265	39232
3.95		26365	15599
3.964		10661	4516
4.014		9450	11838
4.058		18829	18567
4.09		19636	11920
4.114		41456	29248
4.148		12023	10150
4.173		68843	50347
4.21		5130	4737
4.263		39283	32475
4.301		5966	4384
4.331		32030	21995
4.37		109345	83473
4.397		20411	13010
4.424		2353	2053
4.493		28762	28552
4.546		27164	22995
4.593		188827	146570
4.621		27253	21488
4.667		7113	6353
4.689		3345	2078
4.722		1799	2126
4.771		2400	3464
4.837		11143	8092
4.859		9626	7235
4.903		16380	16707
4.944		3974	2404
4.979		137662	117683
5.01		1241	635
5.03		7553	6808
5.101		264747	237500
5.219		1631	1106
5.244		5683	4555
5.29		13301	12436
5.396		1582	1066
5.444		263521	229880
5.513		345402	301906
5.561		101989	85320
5.669		3823	3620
5.699		1160	993
5.822		2826	2835
5.87		132503	114254
5.9		2159	1278
6.028	DCB	9363579	8352787
6.302		1575	1198
6.4		1591	1284
6.481		7802	6765
6.692		2058	3080
6.979		2710	2906
7.155		383	544
7.351		763	337
7.508		1143	2352
7.652		1382	1638
8.357		1465	3823
8.548		911	1051

AR2131624A AAAR213AA ICAL 1624199999 10736 SW-846 808:

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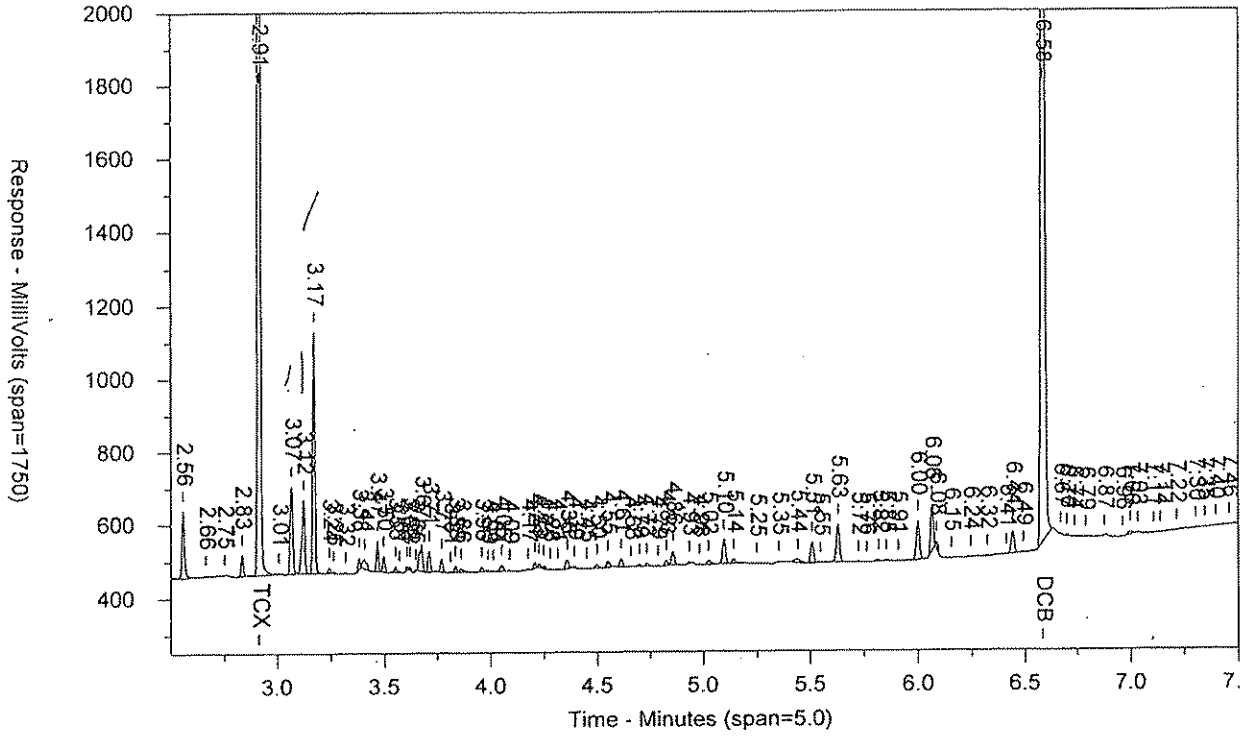

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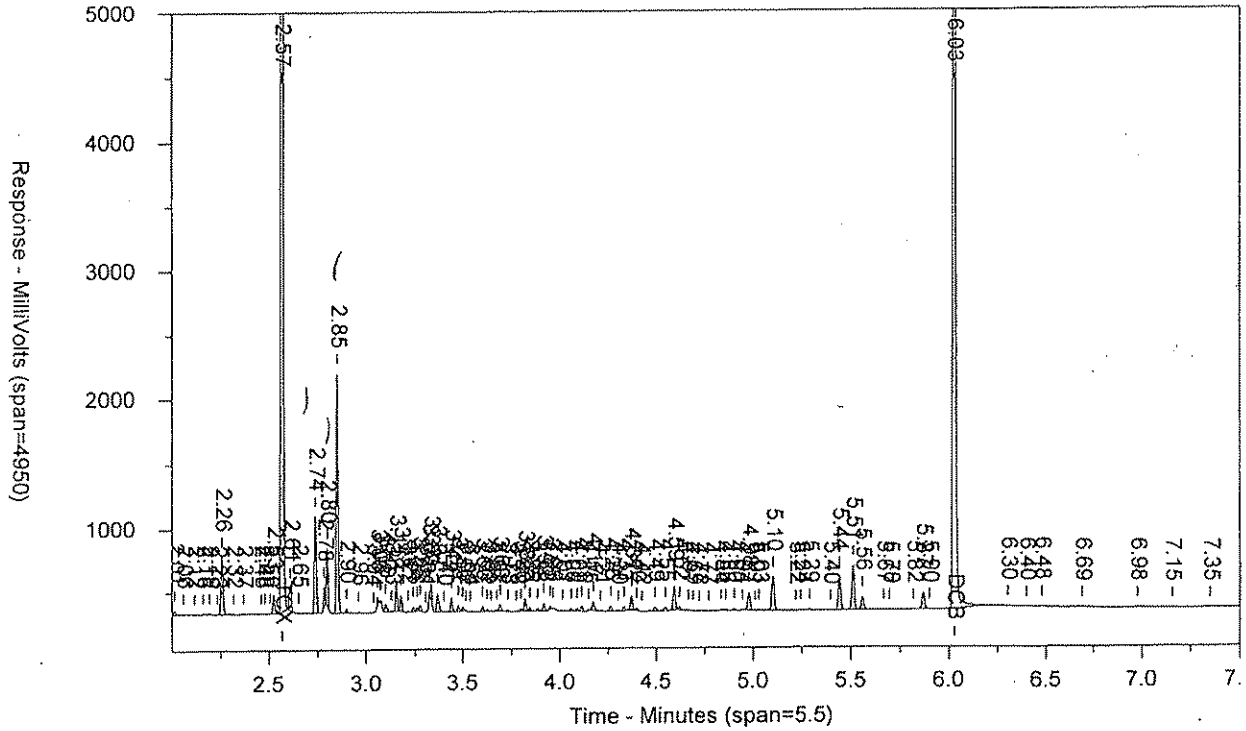

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:36:57 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.913	6331267	43.023	TCX	2.568	17470780	42.486	TCX
6.583	4719163	39.31	DCB	6.028	9363579	39.482	DCB

Files:
Area File: 07pcbs16242001.0024.RAW
Area File: 07pcbs16242001B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 7:45:39 PM
File Reported On: 8/29/2016 at 7:45:47 PM

AR2131624A AAAR213AA ICAL 1624199999 10736 SW-846 808:

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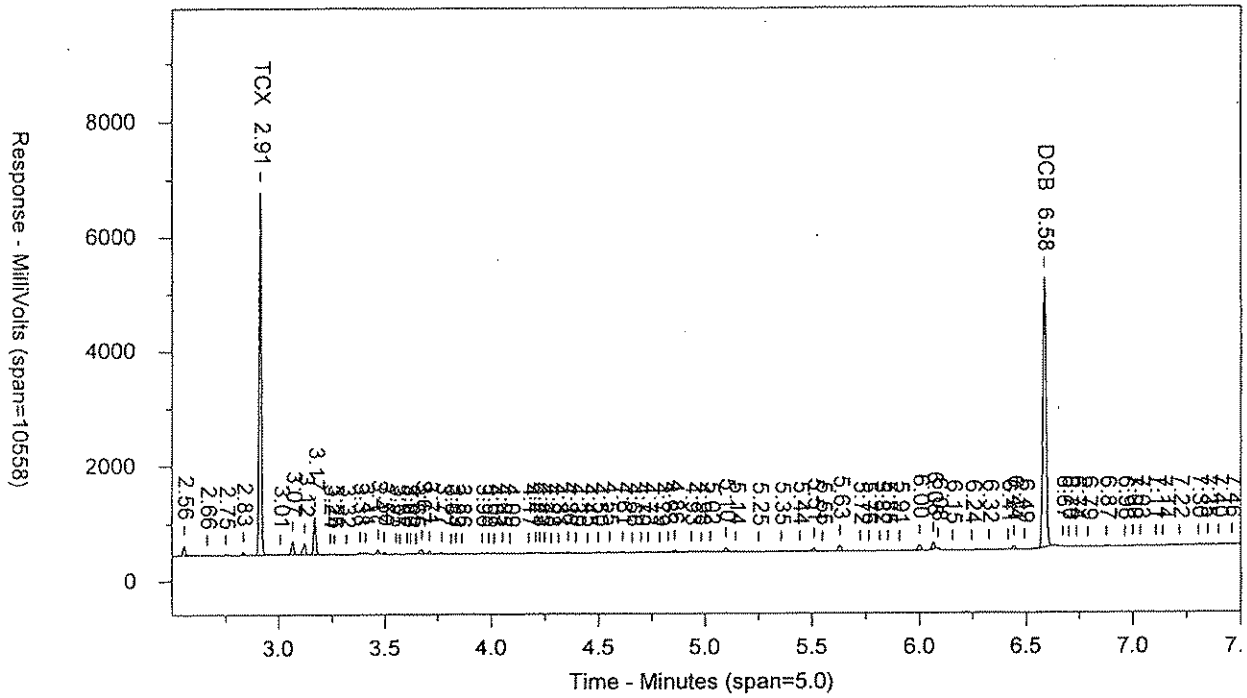

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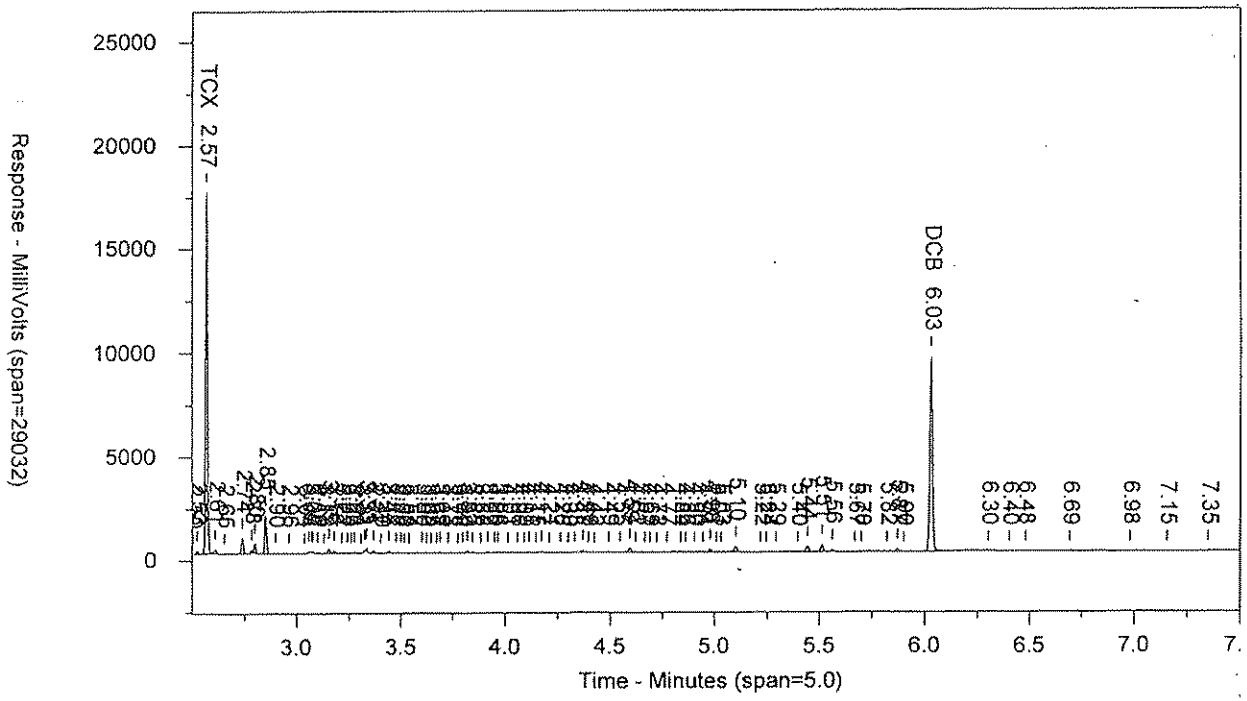

LANCASTER LABORATORIES

Sample Number: AR3231624B AAAR323AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:48:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.543		4724	10325
1.65		2638	2692
1.725		2085	2050
1.81		1705	1267
1.849		1256	555
1.871		1655	1141
1.98		6483	8633
2.024		1489	3672
2.094		13941	27597
2.214		33875	42342
2.305		18078	16373
2.324		16807	18000
2.372		8564	18237
2.44		5311	14832
2.483		5310	9046
2.558		117360	88532
2.65		1620	1209
2.766		3830	7559
2.834		35890	29835
2.914	TCX	6884183	4591573
3.067		188410	156967
3.122		166222	162220
3.17		604426	423265
3.242		12597	7195
3.262		27812	18409
3.3		1567	456
3.35		1096	981
3.383		230070	140653
3.399		103909	56839
3.436		23884	12646
3.451		7784	3207
3.468		60463	37729
3.498		270067	201741
3.529		2190	1220
3.552		13193	7856
3.571		14439	8940
3.606		57907	33835
3.621		30176	14190
3.665		124873	65289
3.676		255128	136651
3.712		346671	257926
3.77		252002	200228
3.81		14906	9889
3.837		148032	109810
3.864		116530	97419
3.885		32935	17080
3.96		170518	125319
3.984		60762	40217
4.014		66488	48152
4.051		178632	186108
4.09		57761	51237
4.135		10770	8795
4.174		16432	13923

RT A	Compound A	Height A	Area A
4.208		104150	74712
4.228		145566	93844
4.252		176758	128557
4.312		11524	13728
4.357		128990	103084
4.379		60776	49176
4.458		3135	1692
4.501		29834	31536
4.553		41411	37543
4.584		21740	16453
4.614		63314	55216
4.66		2243	1675
4.699		36523	33103
4.736		7906	8483
4.786		7932	7230
4.829		44181	40442
4.859		34441	31459
4.912		3007	2029
4.936		5578	4139
4.954		3055	1890
4.986		2270	1801
5.028		45731	48127
5.099		65319	61749
5.143		11778	11292
5.177		672	759
5.205		2426	1646
5.373		5740	12427
5.439		11110	31286
5.51		58483	59012
5.554		2612	2486
5.631		99593	111274
5.71		1621	2672
5.816		8810	10457
5.856		3448	4558
5.91		1469	767
6.001		110191	112618
6.065		131178	112235
6.086		18709	13637
6.132		1656	680
6.245		3785	4932
6.373		2489	3150
6.412		1288	1085
6.443		68687	69061
6.504		871	1096
6.586	DCB	5092552	5401106
6.742		3355	1777
6.796		1090	406
6.886		5952	10330
7.001		5344	6374
7.037		4759	5168
7.102		1280	685
7.125		1292	1353
7.161		906	1286
7.259		790	1826
7.306		1041	1032
7.343		1214	835
7.396		1925	1992
7.46		1009	383
7.506		1498	1023
7.581		1296	2483
7.618		1312	817
7.673		1012	792
7.743		1421	1472
7.799		1619	1416
7.871		881	444
7.969		1975	2991

RT A	Compound A	Height A	Area A
8.108		1233	1073
8.167		1305	1486
8.287		1415	755
8.351		1305	2566
8.397		1177	636
8.49		3223	5951
8.59		1356	3197
8.661		2701	4505

LANCASTER LABORATORIES

Sample Number: AR3231624B AAAR323AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:48:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.514		5822	8515
1.552		3238	2329
1.621		3834	5069
1.686		6603	13582
1.739		4696	6667
1.85		9493	33320
1.889		93324	82898
1.964		24699	56762
2.014		32246	29137
2.117		2727	3572
2.166		3948	4293
2.194		6577	7752
2.257		300927	214703
2.325		1729	1734
2.344		887	398
2.372		2176	2194
2.428		1667	1395
2.477		2850	1463
2.504		8473	5671
2.526		93252	56630
2.568	TCX	19405490	11549750
2.612		165150	131096
2.739		595909	388496
2.785		174469	83112
2.8		333290	184303
2.851		1713867	1056450
2.9		38104	21092
2.962		87462	55038
3.038		2669	958
3.058		556936	272380
3.069		183526	62050
3.109		105334	81842
3.13		47612	27860
3.155		174909	98222
3.179		816770	537752
3.216		43721	25156
3.243		37357	18634
3.262		206068	105041
3.277		132397	65310
3.327		363008	162525
3.336		851300	369185
3.356		11191	5118
3.369		815600	585459
3.404		4506	2302
3.443		819316	519625
3.479		489443	309572
3.502		556112	308150
3.519		167712	83638
3.604		609551	384818
3.626		248097	135023
3.647		231496	136063
3.675		158575	79651
3.692		569185	340079
3.731		210191	149761

3.779		35838	23492
3.8		349380	221313
3.823		684365	434920
3.847		615021	393979
3.886		30018	16550
3.903		13443	5814
3.92		131219	82055
3.953		400732	279471
3.98		250771	151840
4.027		18923	18290
4.06		78091	62114
4.091		18590	11210
4.116		141166	101512
4.148		76339	51984
4.175		190723	138667
4.213		4199	3644
4.265		97545	97241
4.301		18336	13154
4.333		109833	78299
4.372		99543	73156
4.398		19035	11706
4.423		8587	7916
4.496		27106	28436
4.546		107043	86785
4.595		176831	141601
4.623		26930	20543
4.656		3915	1895
4.667		3465	1866
4.69		5103	3154
4.749		1575	5919
4.774		2526	1848
4.839		16555	12147
4.863		8549	6069
4.906		15785	18059
4.947		5460	3377
4.981		138370	118974
5.032		20610	22425
5.103		261390	234337
5.222		1486	883
5.246		6894	5590
5.291		20284	20725
5.446		278416	238129
5.514		357572	317531
5.563		105631	89732
5.628		1124	1767
5.672		6048	5092
5.873		146116	123682
5.904		2293	1285
5.925		1781	1486
5.975		884	655
6.031	DCB	9997794	8879531
6.126		2560	2094
6.153		2574	1510
6.213		1198	998
6.396		2081	3911
6.483		8011	9018
6.687		1517	1648
7.009		1474	4021
7.188		1058	2228
7.522		751	1616
7.877		1470	1270
8.06		904	419
8.347		1615	3403
8.519		889	362

AR3231624B AAAR323AA ICAL 1624199999 10736 SW-846 808:

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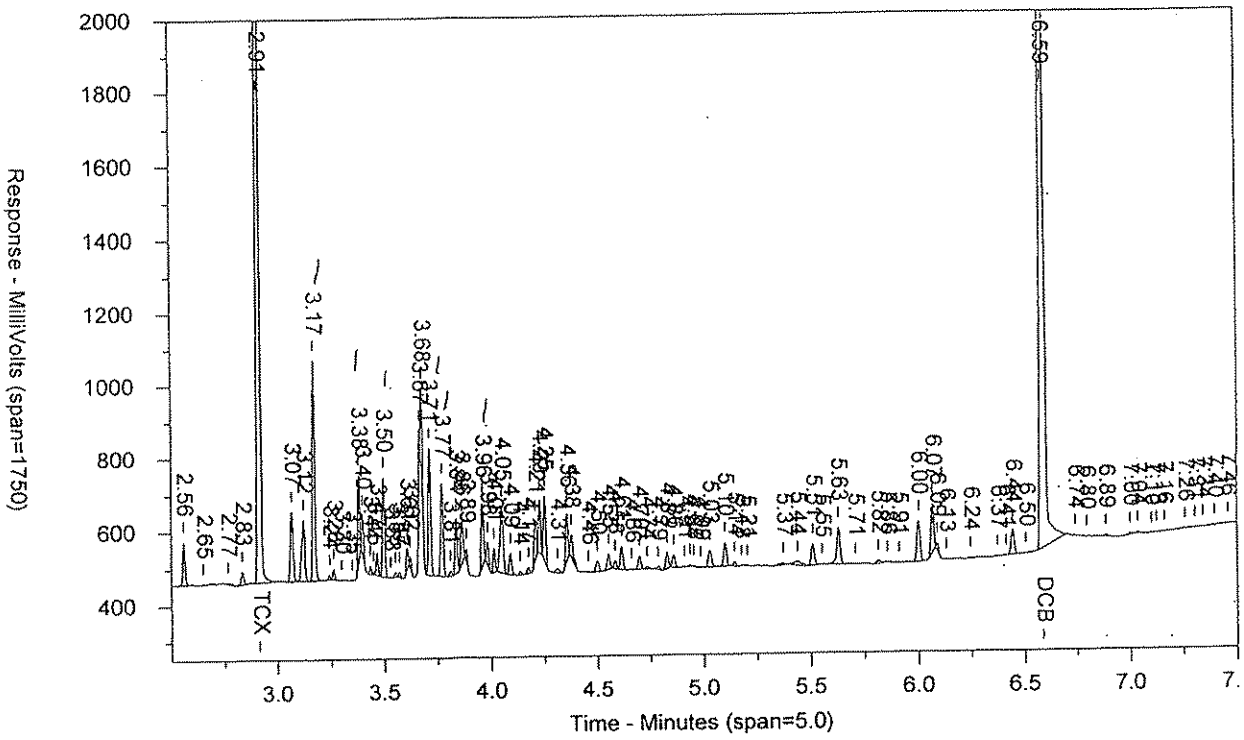

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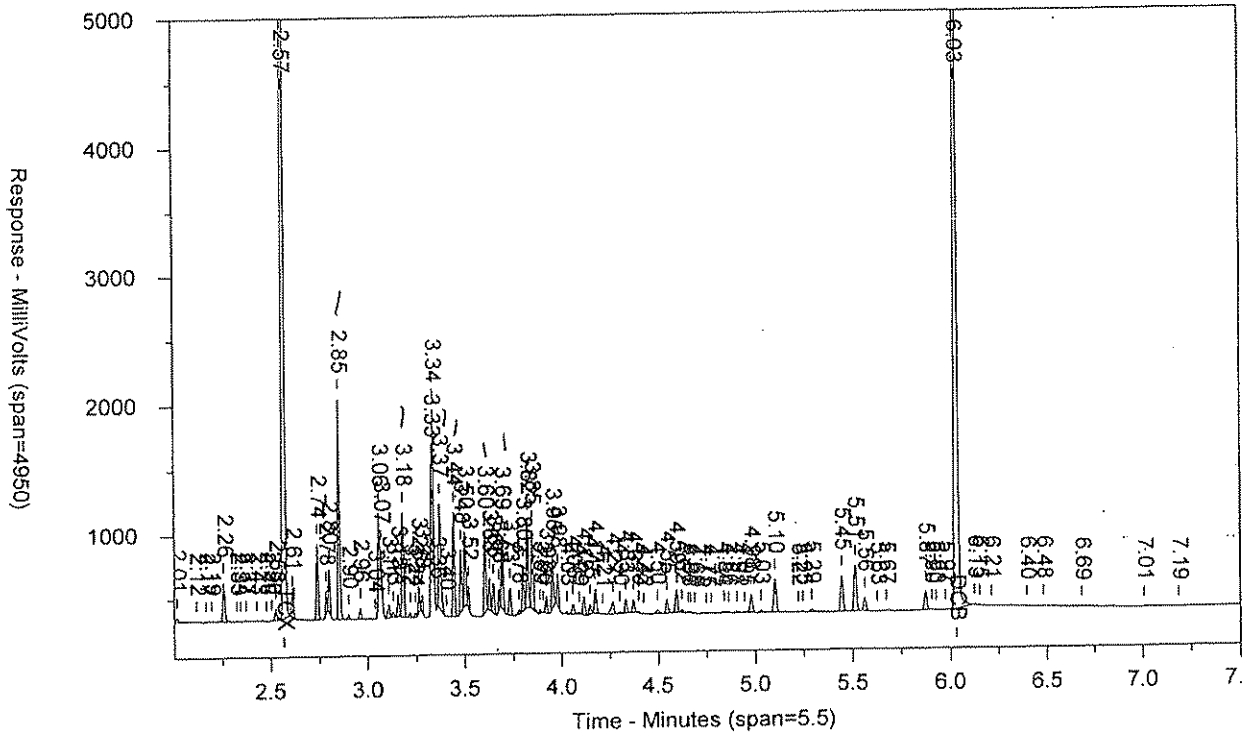

LANCASTER LABORATORIES

Sample Number: AR3231624B AAAR323AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 7:48:31 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	6884183	46.781	TCX	2.568	19405490	47.19	TCX
6.586	5092552	42.421	DCB	6.031	9997794	42.156	DCB

Files:
Area File: 07pcbs16242001.0025.RAW
Area File: 07pcbs16242001B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 7:57:12 PM
File Reported On: 8/29/2016 at 7:57:21 PM

AR3231624B AAAR323AA ICAL 1624199999 10736 SW-846 808:

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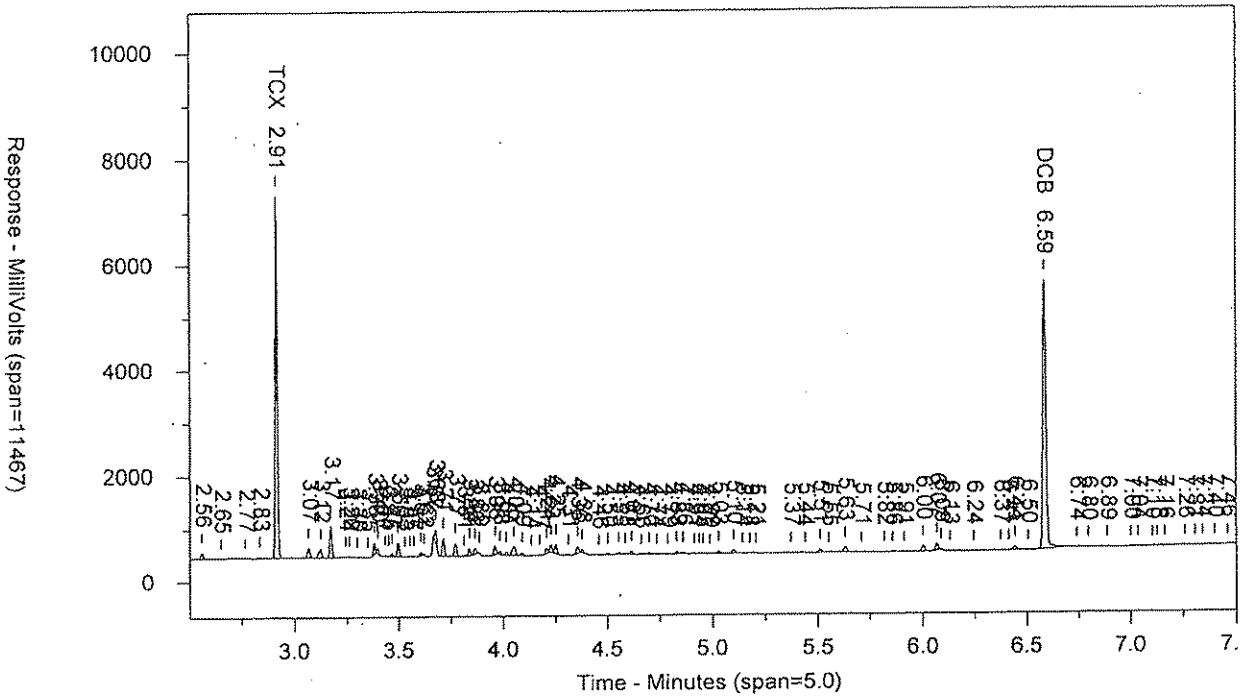

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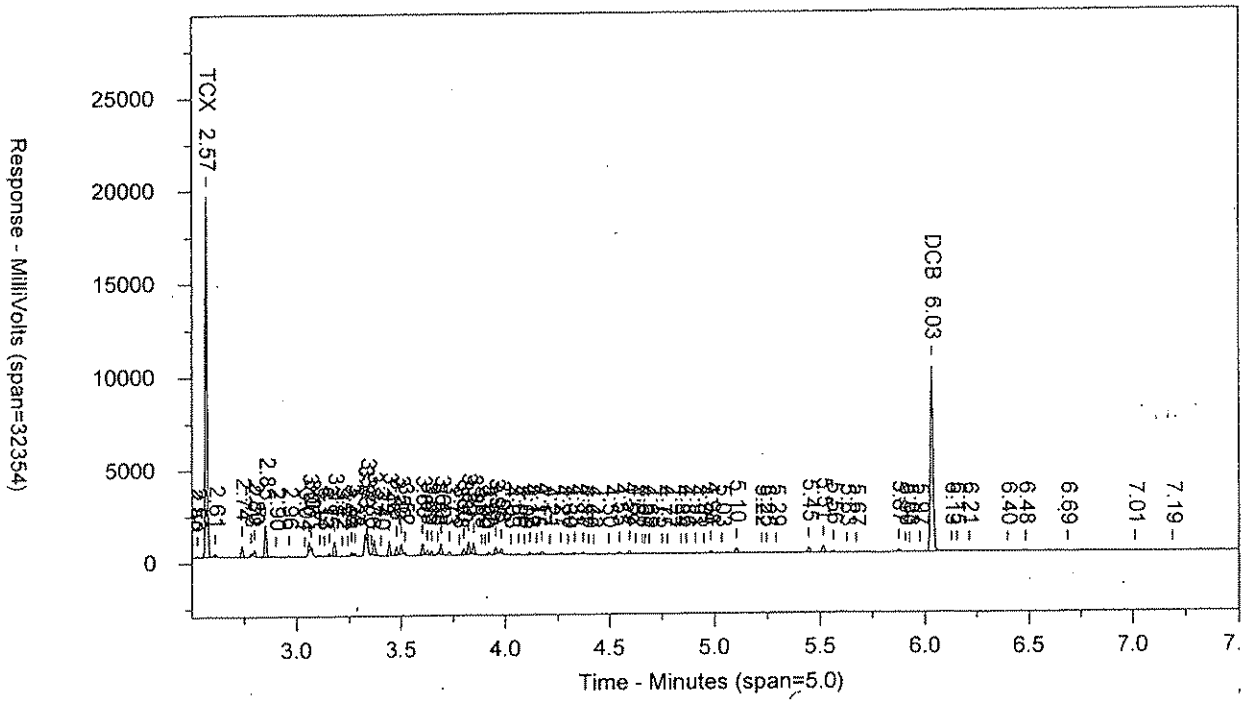

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:00:01 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.549		16737	91857
1.719		3378	2687
1.873		3269	2810
1.98		9819	12475
2.092		15442	29204
2.145		4533	8929
2.188		5353	5391
2.213		26006	22956
2.287		3719	3050
2.305		8194	5477
2.324		9507	7238
2.371		1715	1263
2.427		2233	3574
2.482		4570	4493
2.541		1346	539
2.56		3815	2092
2.652		1067	530
2.664		2791	2175
2.694		1377	718
2.752		2308	1280
2.765		2371	1517
2.838		5292	8182
2.914	TCX	5560164	3689302
3.066		74073	63148
3.122		82071	98097
3.17		354305	256821
3.241		10947	6396
3.262		41322	28958
3.314		1676	1020
3.383		347037	209220
3.399		153735	81702
3.436		39148	22354
3.452		12892	5584
3.468		29582	17318
3.498		412781	305997
3.535		2421	1540
3.552		9638	5636
3.571		21703	13790
3.607		86159	50680
3.621		41384	19271
3.666		153000	91348
3.677		411321	211732
3.712		507292	381358
3.771		384687	303517
3.81		28727	19486
3.837		247945	186799
3.864		204975	165511
3.886		57398	31687
3.961		289514	212581
3.984		92652	61843
4.015		108893	79640
4.051		290758	305430
4.091		94152	80181

RT A	Compound A	Height A	Area A
4.136		18397	14086
4.175		25259	22025
4.209		196907	131271
4.229		236096	153871
4.252		298920	216106
4.316		20382	23730
4.357		229900	185392
4.38		102914	87743
4.434		3171	2299
4.458		8088	5880
4.501		54543	52386
4.554		79958	70607
4.585		45820	33558
4.614		122943	108999
4.659		1966	1927
4.7		62929	58968
4.738		4954	3471
4.787		16503	15858
4.829		93566	89246
4.859		29866	24965
4.908		8072	7265
4.936		7348	5056
4.954		5384	3678
4.985		2197	1341
5.029		95432	92113
5.07		1936	1114
5.1		56430	57048
5.145		24090	22138
5.171		1981	1057
5.275		1157	528
5.355		11708	16396
5.444		6987	13919
5.51		52273	51050
5.554		6535	6005
5.631		90207	91845
5.817		5592	6207
5.863		2838	3457
6.002		97415	96067
6.066		105609	96112
6.088		16303	11461
6.243		2681	3542
6.279		1988	1748
6.383		1972	3669
6.443		53982	55865
6.538		1386	512
6.587	DCB	4052199	4131457
6.696		2622	3535
6.783		1842	1462
6.848		1492	1435
6.89		4434	6074
6.967		951	594
7.004		3210	3166
7.04		3749	4821
7.117		1048	904
7.149		1384	689
7.263		1615	3022
7.318		2104	917
7.378		1278	1056
7.46		1025	1990
7.487		1368	655
7.544		1671	750
7.603		926	1816
7.655		1295	2106
7.698		1240	922
7.714		1715	589
7.753		1391	1152

RT A	Compound A	Height A	Area A
7.772		1667	652
7.817		1243	1227
7.937		1699	1091
7.985		1467	3258
8.023		1321	668
8.1		1789	1407
8.142		1696	449
8.17		2287	4150
8.215		1145	550
8.322		1244	1490
8.408		1306	463
8.459		1291	580
8.497		3694	5821
8.621		1305	1034
8.663		10128	21044

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:00:01 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.521		10899	13970
1.552		4909	3238
1.627		9047	10167
1.686		3510	7088
1.737		14712	28449
1.822		6476	14363
1.846		13957	24884
1.889		71062	69514
1.961		27540	58281
2.014		26605	25214
2.061		4689	7487
2.102		2280	2701
2.165		5624	5719
2.193		5927	6212
2.258		13604	11745
2.32		2883	2539
2.369		4115	6523
2.456		3099	5205
2.504		7369	6017
2.527		2484	1262
2.568	TCX	15175230	9267890
2.612		87646	59876
2.739		230532	151413
2.785		147618	73469
2.8		159558	82121
2.851		1007386	631329
2.9		31141	17954
2.961		129890	79765
3.022		1699	766
3.058		1256534	1210578
3.109		146134	89652
3.129		73043	39981
3.155		101506	54979
3.178		1201935	799865
3.215		65869	36992
3.242		26541	13134
3.262		293998	153859
3.277		169356	85221
3.327		558048	271327
3.336		1258469	524667
3.356		28099	10036
3.369		1215031	847653
3.443		1250188	799151
3.479		814983	515101
3.502		897457	508560
3.519		284073	141383
3.604		1007428	662638
3.626		410399	218644
3.647		382846	227638
3.676		256433	130874
3.692		931102	558027
3.732		351039	246348
3.779		67307	44240
3.8		596970	379599

3.823		1158542	750912
3.847		1006245	673246
3.886		51930	28277
3.904		21012	8967
3.921		252401	163856
3.953		702711	490788
3.98		432711	256853
4.027		35139	28056
4.061		159867	123599
4.092		15967	8776
4.117		277857	203547
4.148		159714	106770
4.175		379288	279134
4.211		5142	5003
4.266		167661	168919
4.302		38689	27668
4.333		249289	191326
4.373		84507	59259
4.4		26835	16031
4.423		18075	11854
4.495		37179	38104
4.546		232156	187550
4.595		160516	127732
4.624		63320	57035
4.669		10967	8200
4.747		1924	4579
4.808		2916	2160
4.841		6852	4593
4.863		25124	19726
4.905		12975	13708
4.947		4476	2302
4.981		120980	99779
5.01		8026	5325
5.032		3025	1673
5.103		231966	210191
5.222		1293	900
5.248		3817	3182
5.291		12661	12496
5.36		864	495
5.446		235467	206898
5.514		306062	272875
5.564		89521	76835
5.676		1713	1618
5.828		2468	2615
5.873		120481	99598
5.926		1562	1268
6.031	DCB	7801136	7081678
6.285		2508	1896
6.306		1767	1452
6.36		1936	2741
6.407		1909	1589
6.43		1593	1201
6.483		6911	7834
6.813		1000	979
7.013		1253	709
7.197		1090	2095
7.326		1077	2118
7.57		622	782
7.875		1474	1952
8.082		833	1625
8.348		1342	2126
8.549		932	1288
8.672		1083	1052

AR4231624A AAAR423AA ICAL 1624199999 10736 SW-846 808

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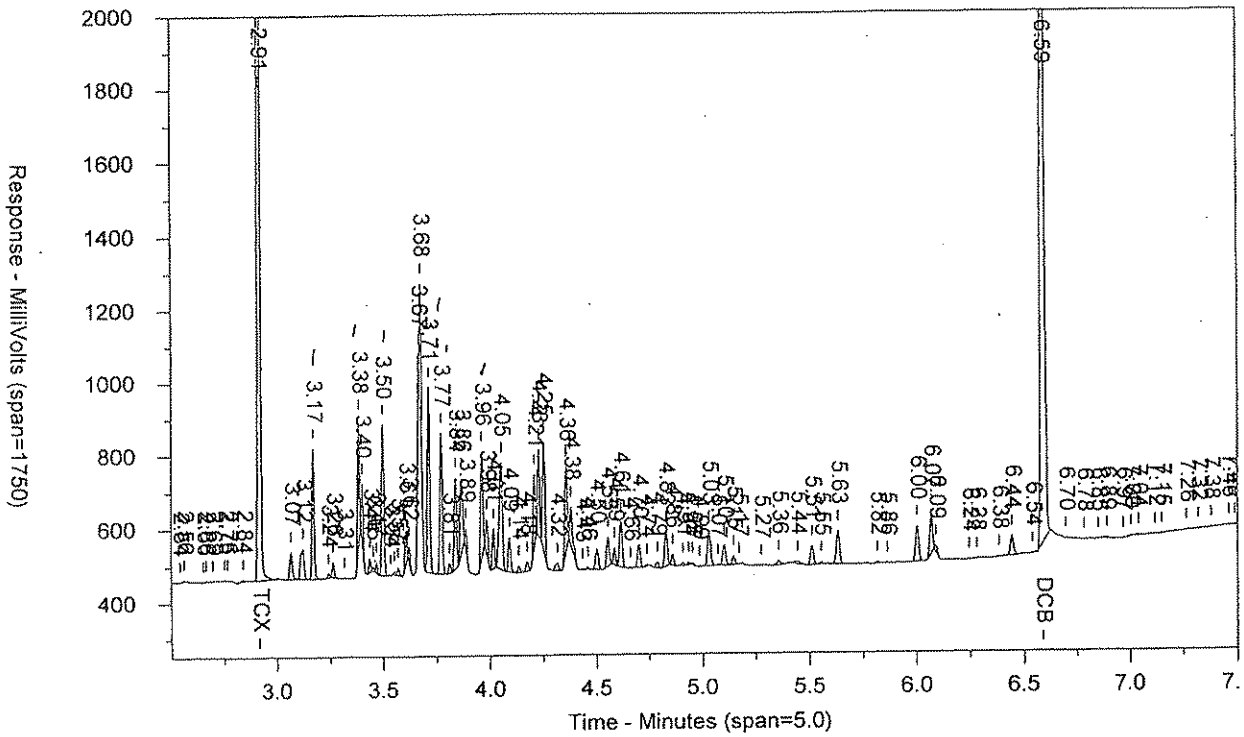

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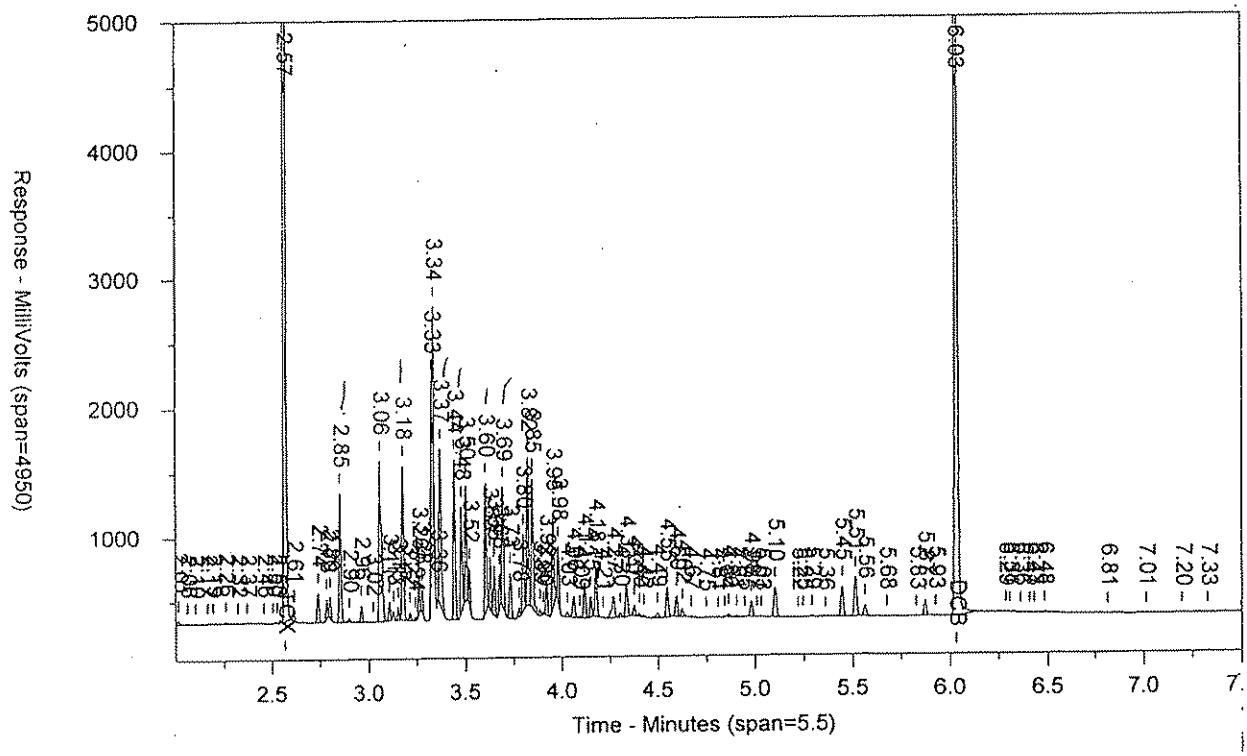

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:00:01 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	5560164	37.783	TCX	2.568	15175230	36.903	TCX
6.587	4052199	33.755	DCB	6.031	7801136	32.894	DCB

Files:
Area File: 07pcbs16242001.0026.RAW
Area File: 07pcbs16242001B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 8:08:43 PM
File Reported On: 8/29/2016 at 8:08:49 PM

AR4231624A AAAR423AA ICAL 1624199999 10736 SW-846 808:

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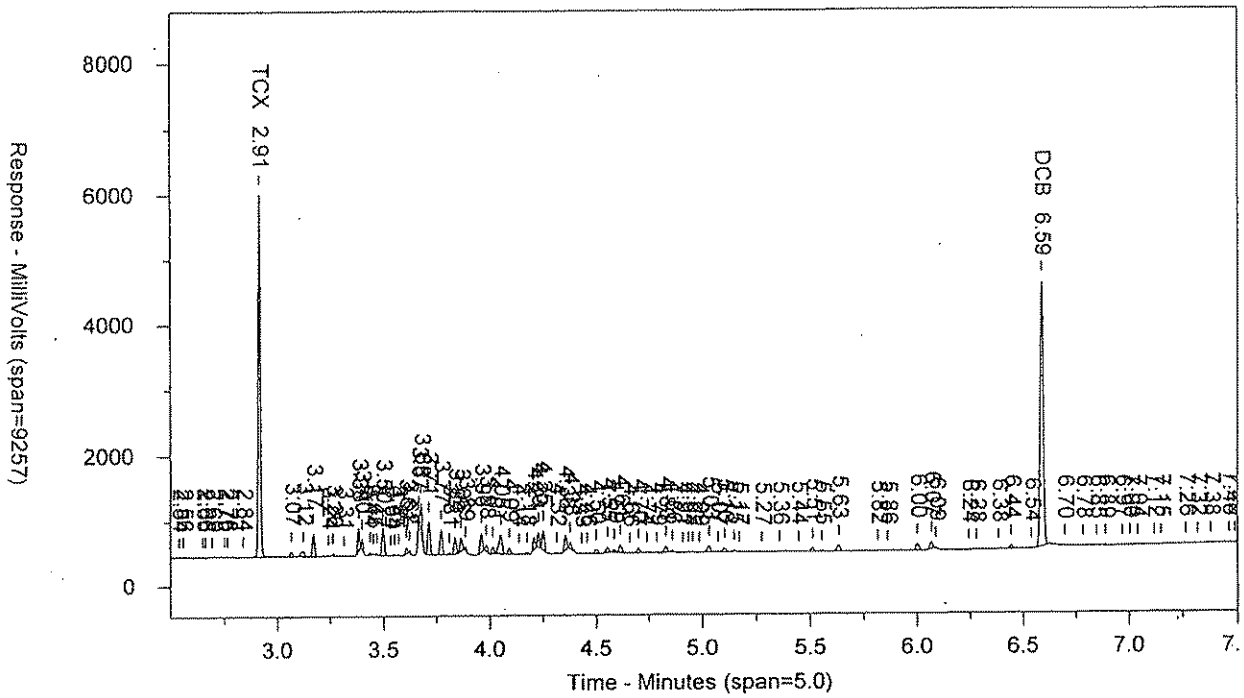

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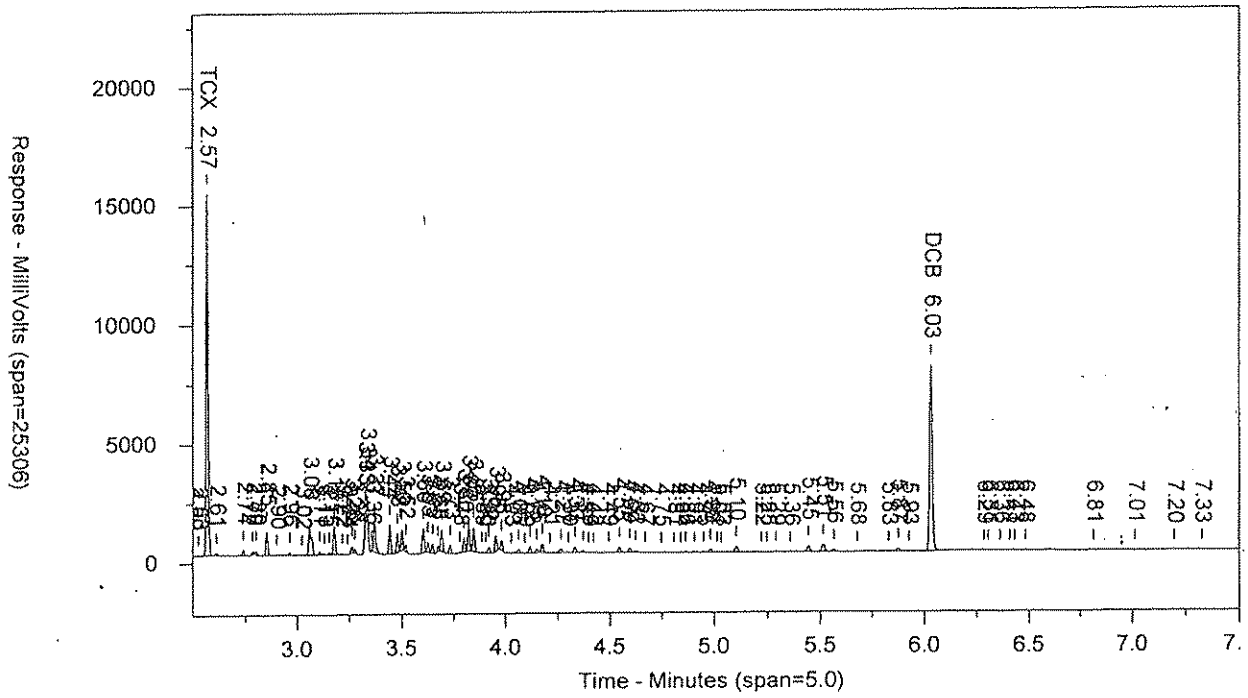

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:11:18 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.546		16626	79469
1.651		10274	23544
1.725		4152	6032
1.762		8086	8018
1.87		5950	4907
1.977		16364	21505
2.034		10985	35790
2.09		25124	62241
2.144		12119	28604
2.185		15703	19814
2.212		36584	55457
2.287		13900	13992
2.305		13898	13029
2.323		17345	25601
2.382		14432	24938
2.441		5817	16286
2.479		11087	13770
2.558		8024	7398
2.574		8263	6760
2.665		6033	4770
2.71		1455	2581
2.752		3977	2035
2.766		5381	4811
2.815		3230	1409
2.838		9935	8225
2.913	TCX	6567209	4294077
3.006		7374	9114
3.065		96734	84478
3.121		108901	119471
3.169		488396	346194
3.241		14529	8626
3.262		58386	38783
3.298		2004	1072
3.316		4432	3728
3.382		480937	282993
3.398		219417	114928
3.435		53537	30522
3.45		17896	7493
3.467		42794	24975
3.496		571833	422819
3.532		4146	2431
3.55		11467	6365
3.569		19848	12542
3.605		123463	68760
3.619		54545	25572
3.664		231194	127843
3.674		605329	302092
3.71		675921	508970
3.769		547701	423283
3.809		40743	27838
3.835		335013	251869
3.862		267822	219933
3.883		79406	41222

RT A	Compound A	Height A	Area A
3.958		388648	286628
3.983		132148	86262
4.012		147988	108119
4.049		380109	399870
4.088		128010	105273
4.134		16109	12011
4.173		23633	20288
4.206		132164	94081
4.227		108859	70402
4.25		96163	71363
4.311		4480	4532
4.354		33740	29310
4.378		5417	4207
4.498		5135	8098
4.551		6670	6109
4.618		2334	1890
4.698		2989	3193
4.825		4494	3769
4.857		32107	32019
4.983		1749	1661
5.023		1625	791
5.097		54379	58148
5.183		2753	3674
5.363		3407	7775
5.417		450	2098
5.441		8370	13582
5.508		51599	54381
5.58		1185	1266
5.63		90592	92141
5.734		902	402
5.813		4029	5479
5.859		3083	3430
5.999		104721	104557
6.064		124340	107081
6.085		17574	11270
6.24		3096	4633
6.275		1845	1990
6.394		540	2393
6.416		1150	1145
6.439		64268	66356
6.539		1113	1021
6.584	DCB	4882112	5097553
6.691		1602	893
6.745		2828	802
6.783		2200	1085
6.804		1321	915
6.849		1584	1687
6.881		2645	3716
7.005		1872	2701
7.038		4056	3330
7.143		933	2774
7.166		1182	717
7.234		1499	1184
7.288		1440	778
7.376		1244	704
7.412		1197	248
7.455		1387	2138
7.554		1590	1191
7.585		924	737
7.629		1271	580
7.665		1516	2056
7.728		1330	1544
7.862		1602	885
7.907		1308	1330
8.008		1370	3701
8.13		1404	916

RT A	Compound A	Height A	Area A
8.253		1622	2231
8.27		1689	1107
8.301		974	799
8.347		1308	588
8.432		1397	608
8.482		1619	1415
8.555		808	685
8.658		1896	2963

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:11:18 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.514		18589	17680
1.622		20004	19608
1.659		4353	3868
1.686		8416	20649
1.734		26504	33202
1.769		10986	14457
1.842		26517	59906
1.888		81235	82219
1.957		33841	75696
2.013		30343	28112
2.057		12511	15022
2.163		13045	12864
2.194		4654	4142
2.258		21468	23321
2.366		10557	18320
2.461		7351	5697
2.48		2312	987
2.504		18745	11941
2.526		3059	1572
2.568	TCX	18018040	10692840
2.612		119773	82966
2.657		5262	6872
2.739		297474	204263
2.784		172432	82185
2.8		217351	116198
2.851		1343743	844973
2.899		34390	19057
2.93		1828	1944
2.961		175126	107958
3.016		2037	1924
3.058		1683176	1635612
3.109		201788	124600
3.129		100758	54020
3.154		137743	75095
3.178		1644401	1097499
3.215		62306	34574
3.242		33717	16210
3.261		409397	209230
3.276		228399	113101
3.326		827505	361964
3.335		1743123	740265
3.355		48452	16632
3.368		1634749	1115429
3.442		1779683	1113679
3.478		1105565	698056
3.5		1274109	693541
3.518		393512	197046
3.603		1413354	906804
3.625		543248	292259
3.646		509010	301257
3.674		333815	171382
3.691		1244362	733597
3.73		447030	310053
3.777		53019	41026

3.799		316985	196296
3.822		651940	429154
3.846		309847	185276
3.864		36115	16955
3.885		15283	8600
3.919		26755	16185
3.952		30835	16813
3.965		32685	25418
4.014		10097	10911
4.052		2010	1518
4.09		16693	10594
4.115		6095	5099
4.157		2325	3793
4.173		5240	3304
4.265		4509	3324
4.301		2380	1665
4.332		4268	2818
4.371		97253	83949
4.437		2003	3172
4.496		7612	7683
4.548		11144	9353
4.594		153701	119366
4.669		4217	3243
4.691		9720	7029
4.721		1633	1704
4.837		5571	4450
4.865		3511	2803
4.904		11636	11540
4.945		2964	1769
4.98		121871	104087
5.024		1463	2995
5.102		227963	203811
5.22		1707	910
5.245		3473	2942
5.291		7974	8069
5.444		246917	221246
5.513		329695	295336
5.563		90687	76816
5.629		907	1646
5.823		2929	4585
5.872		135046	115355
5.901		2333	1125
6.03	DCB	9158995	8272054
6.122		3113	3288
6.185		1987	1182
6.214		2653	5465
6.36		2173	3457
6.484		7428	7772
6.59		1376	2668
6.82		1759	6637
7.096		786	964
7.324		1285	1841
7.911		915	2843
8.067		967	712
8.391		1512	3896
8.452		808	430
8.561		983	1661

AR16XX1624B AAAR16XAA ICAL 1624199999 10736 SW-846 80:

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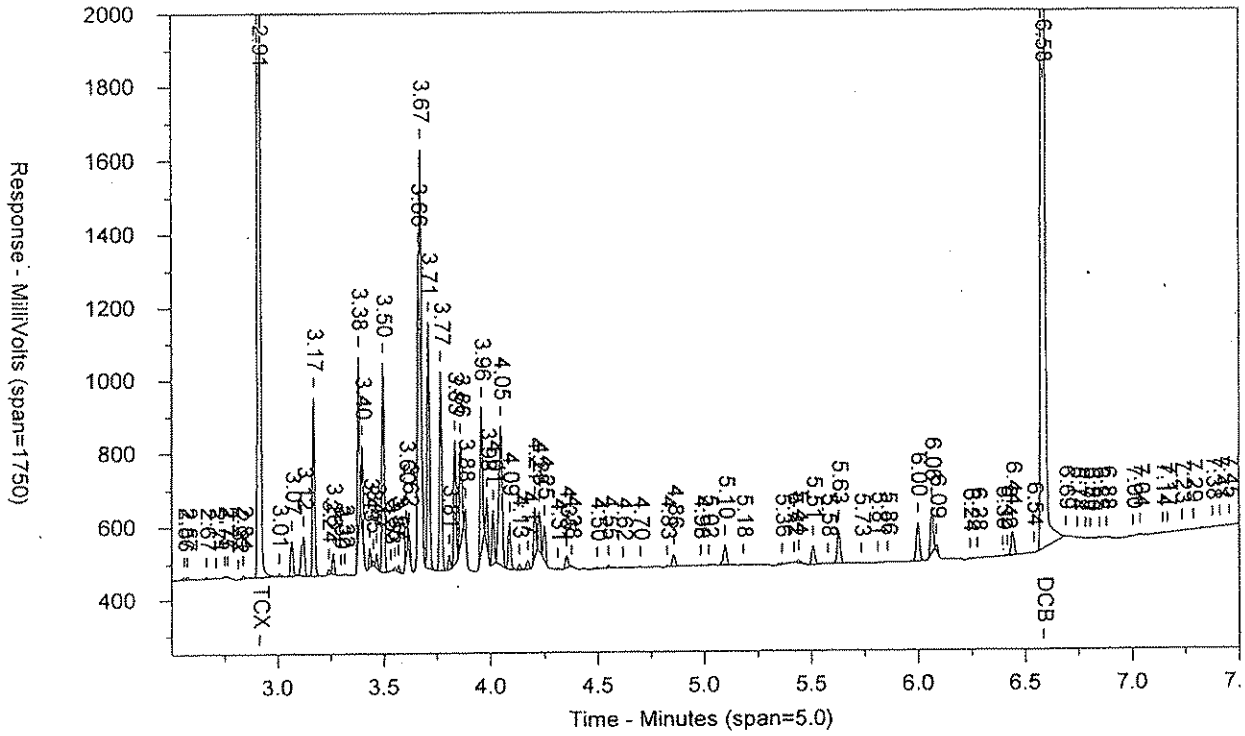

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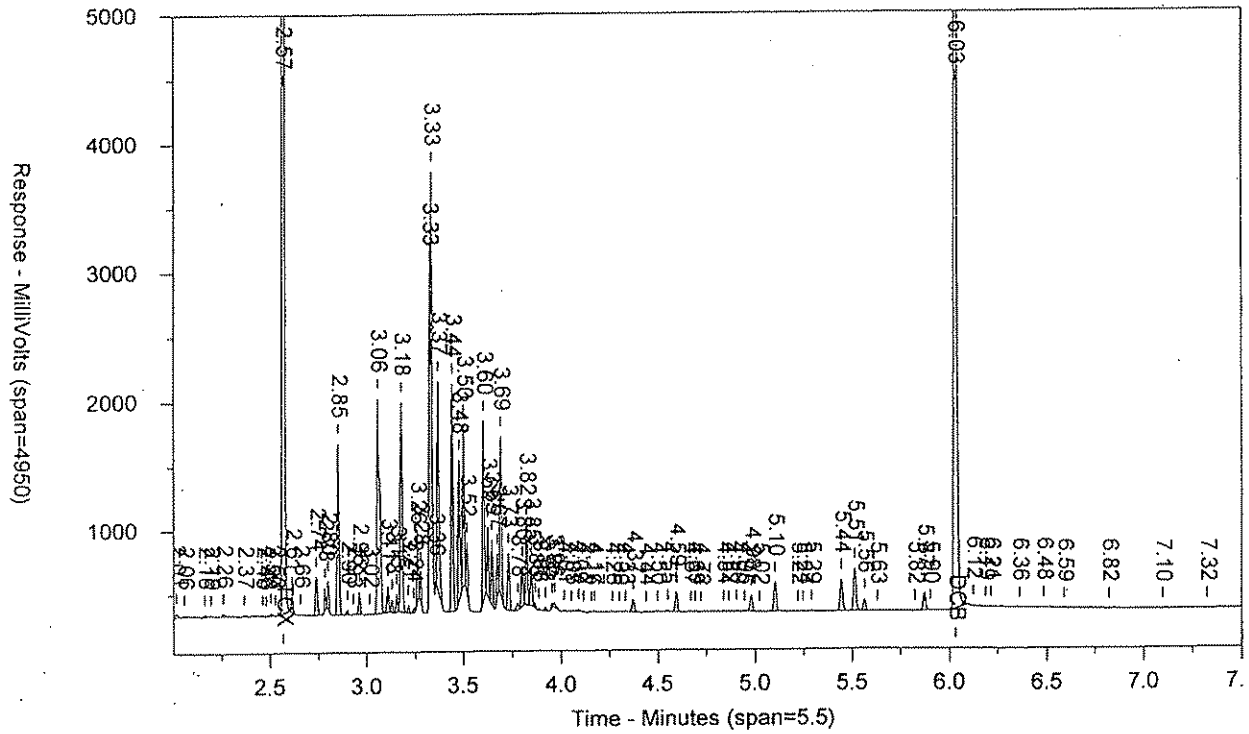

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:11:18 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.913	6567209	44.627	TCX	2.568	18018040	43.816	TCX
6.584	4882112	40.668	DCB	6.03	9158995	38.619	DCB

Files:
Area File: 07pcbs16242001.0027.RAW
Area File: 07pcbs16242001B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 8:20:00 PM
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AR16XX1624B AAAR16XAA ICAL 1624199999 10736 SW-846 80:

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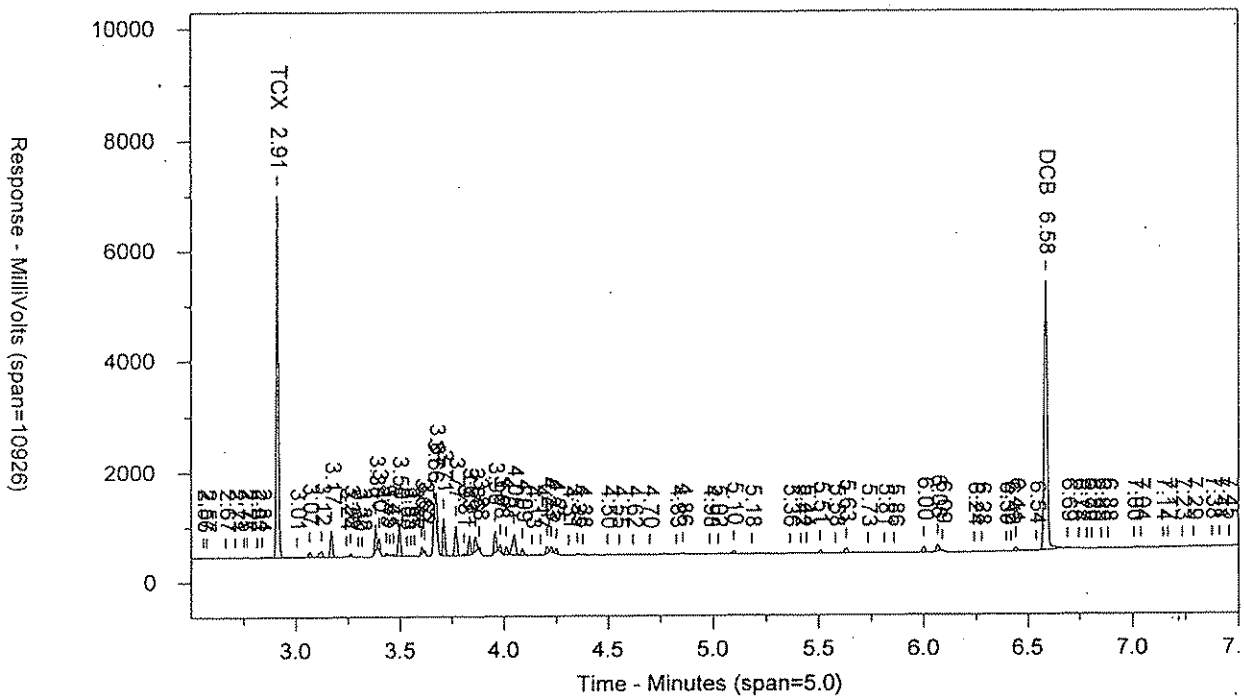

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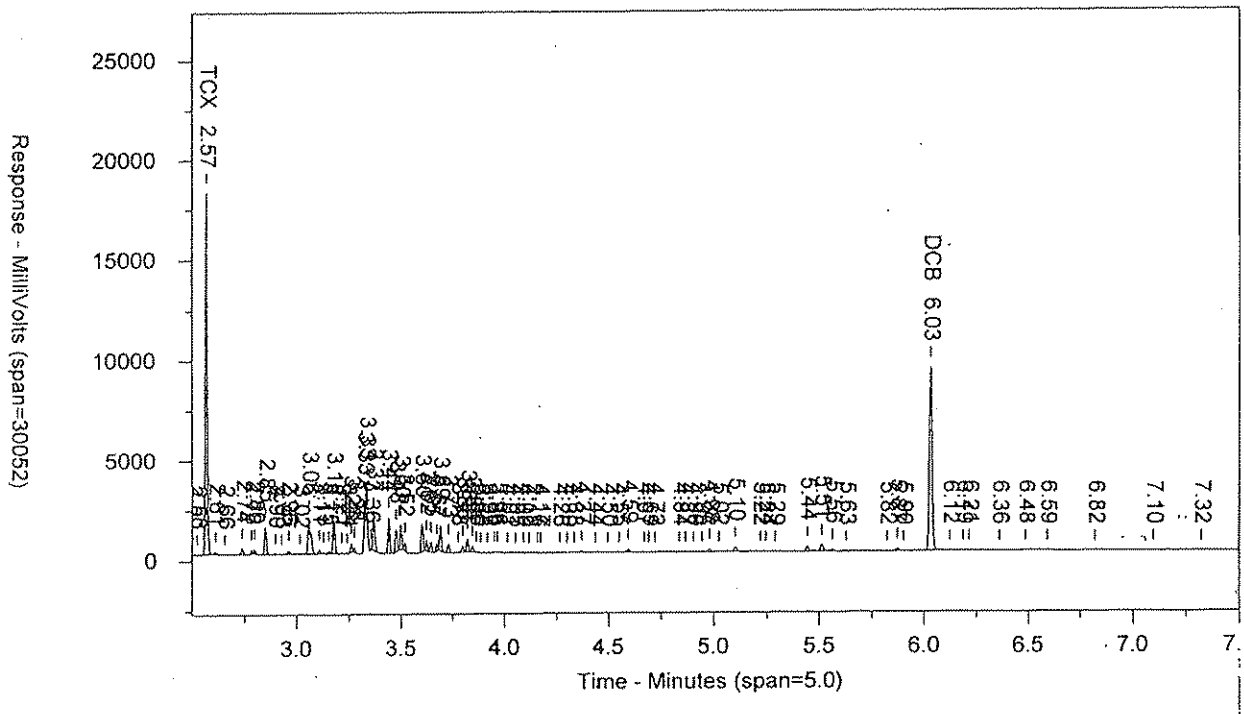

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:22:48 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to.280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.543		13686	38025
1.653		10632	17410
1.718		5352	7176
1.761		10130	15044
1.871		8745	9249
1.977		14775	18065
2.04		5503	12401
2.092		31172	59171
2.141		6985	12652
2.186		10123	8919
2.286		10185	8157
2.304		8189	9713
2.383		13989	17638
2.44		3379	5492
2.48		13203	15285
2.546		2926	1563
2.573		11690	16191
2.664		8994	8512
2.752		5525	3041
2.766		8023	6310
2.84		9610	7326
2.914	TCX	121071	97691
3.005		9606	12208
3.068		3390	2654
3.087		6659	5003
3.122		5532	4535
3.169		34656	31280
3.24		7004	6046
3.317		8554	12262
3.382		28786	17415
3.398		12483	6266
3.434		2564	1032
3.466		6848	6799
3.496		34459	24643
3.533		7087	8186
3.571		2276	1253
3.605		12636	14409
3.664		15106	8806
3.675		33242	15624
3.711		40426	32089
3.769		32206	24691
3.811		1925	1212
3.835		21776	15690
3.863		16245	14581
3.884		3743	2131
3.96		24074	17512
3.983		8860	5727
4.013		9374	6648
4.049		22381	24193
4.088		8703	9405
4.149		1248	1503
4.172		4944	4364
4.207		20964	15411

RT A	Compound A	Height A	Area A
4.228		6238	3667
4.25		4503	2805
4.279		3567	2817
4.317		3167	2277
4.36		24236	26429
4.498		7117	9749
4.566		9244	14322
4.613		15534	14142
4.658		24907	28173
4.697		5692	4194
4.735		53458	52491
4.778		2329	2453
4.824		9495	11659
4.857		3117	2150
4.883		10128	9363
4.934		64847	83331
4.985		12517	10903
5.028		29689	36382
5.104		5900	8227
5.143		73238	76049
5.205		37148	32917
5.249		23497	22661
5.37		42954	60456
5.429		25736	30643
5.469		10934	8880
5.512		4286	4344
5.554		14602	13761
5.61		99468	111493
5.816		59065	62870
5.856		5806	6498
5.903		1250	955
5.941		1159	1237
5.999		4196	4864
6.064		3977	3465
6.087		10984	9631
6.242		28068	28294
6.287		2077	2274
6.387		1257	849
6.443		7667	8147
6.511		1303	1058
6.585	DCB	106262	110217
6.648		1729	1303
6.692		2503	2036
6.815		1423	475
6.887		6747	14125
7.016		1857	4362
7.113		1291	1414
7.181		1309	404
7.289		1278	4216
7.328		1327	445
7.41		1494	445
7.465		1309	2365
7.552		986	2007
7.577		1229	1254
7.605		1686	1179
7.732		1695	965
7.792		1555	857
7.816		1517	1179
7.882		1257	478
7.97		1731	1446
8.025		1464	514
8.093		1432	992
8.16		1586	2105
8.273		1220	595
8.487		1349	1520
8.566		1743	2413

RT A	Compound A	Height A	Area A
8.659		3388	4978

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:22:48 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.513		24278	24083
1.551		3770	2859
1.622		26547	24485
1.661		2368	2065
1.678		3823	4724
1.733		29497	32032
1.841		27923	47707
1.885		21761	19955
1.96		51944	121500
2.056		16875	21459
2.161		15013	14120
2.193		5429	5223
2.262		12868	15192
2.32		2185	1819
2.365		12339	20723
2.463		9986	11472
2.504		31269	24815
2.568	TCX	331760	211709
2.613		7812	6666
2.656		8207	13319
2.74		18484	17204
2.784		3443	1510
2.8		12677	6805
2.851		87967	63824
2.932		4199	5606
2.962		8709	5498
3.018		4036	5808
3.058		107683	101385
3.108		12894	10793
3.13		4659	2674
3.154		7116	3827
3.179		101972	66960
3.216		4703	4091
3.261		22068	11519
3.278		18320	10403
3.305		1064	532
3.326		44954	19953
3.335		87084	39903
3.369		103780	75493
3.442		99280	62201
3.478		74851	45687
3.501		82073	46124
3.518		21433	10044
3.603		86283	53793
3.626		32141	17022
3.646		26838	15021
3.674		21234	11022
3.691		68982	39906
3.731		26691	18543
3.777		6386	6552
3.799		15513	9284
3.821		94443	59666
3.846		16802	9595
3.885		18335	13704

3.919		77903	50872
3.951		3741	1724
3.966		6335	3692
4.016		8886	7787
4.049		14084	14921
4.115		20212	14703
4.156		23688	13952
4.175		15898	7543
4.187		50458	28953
4.212		27799	27865
4.263		171873	131078
4.304		3979	3691
4.332		11541	7554
4.356		32701	25515
4.398		182256	141013
4.497		140993	144193
4.548		20228	15461
4.587		43818	40664
4.623		168903	146868
4.655		99511	71942
4.692		61047	46251
4.789		19643	20251
4.839		117168	91525
4.862		11685	7026
4.91		60810	53914
4.946		29176	22826
4.978		24056	19617
5.009		6369	3675
5.031		234674	208485
5.073		4239	3367
5.102		14595	12223
5.223		2047	1325
5.246		52344	43507
5.291		156112	176183
5.446		9635	8948
5.494		1744	1460
5.513		9430	7486
5.563		29061	25159
5.672		60991	52781
5.704		3146	2371
5.775		1186	921
5.872		18403	17038
6.031	DCB	223013	201584
6.138		866	1148
6.688		1169	547
7.158		988	427
7.462		763	1433
7.869		949	522
8.029		728	1880
8.322		427	287

MD16X1624B AAMD16XAA ICAL 1624199999 10736 SW-846 80

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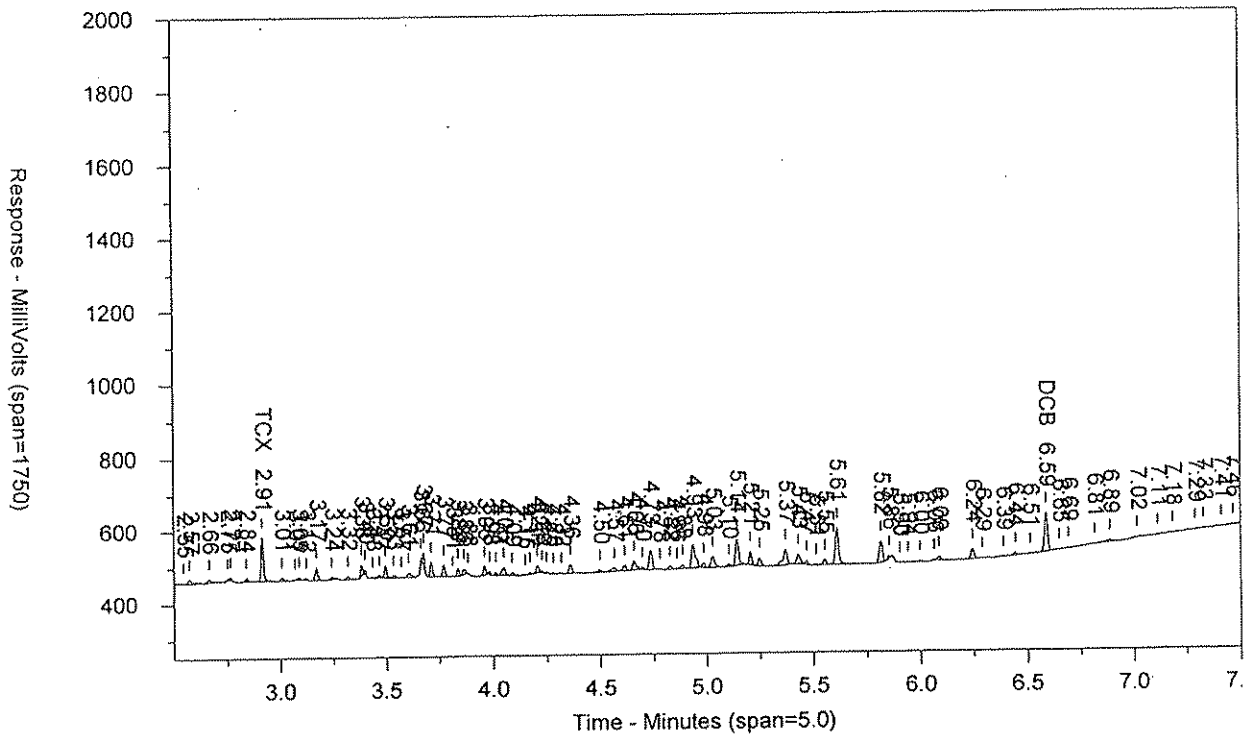

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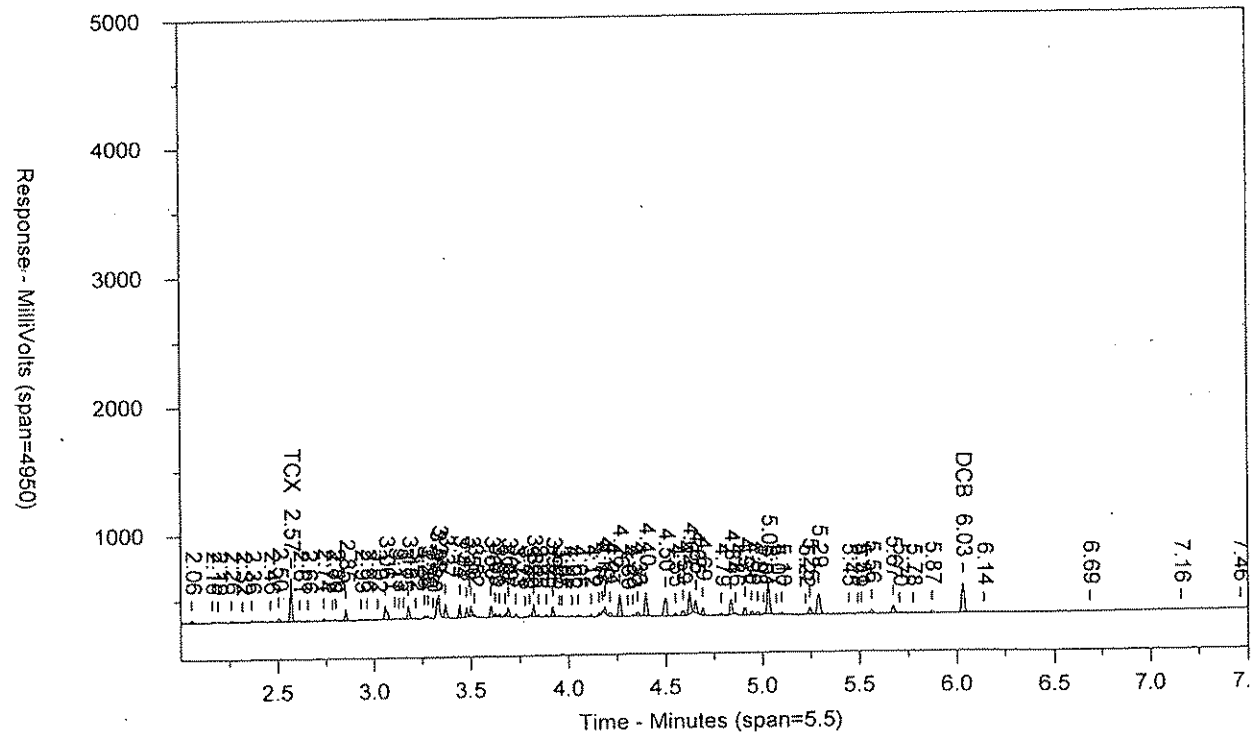

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:22:48 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	121071	.823	TCX	2.568	331760	.807	TCX
6.585	106262	.885	DCB	6.031	223013	.94	DCB

Files:
Area File: 07pcbs16242001.0028.RAW
Area File: 07pcbs16242001B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 8:31:29 PM
File Reported On: 8/29/2016 at 8:31:35 PM

MD16X1624B AAMD16XAA ICAL 1624199999 10736 SW-846 80

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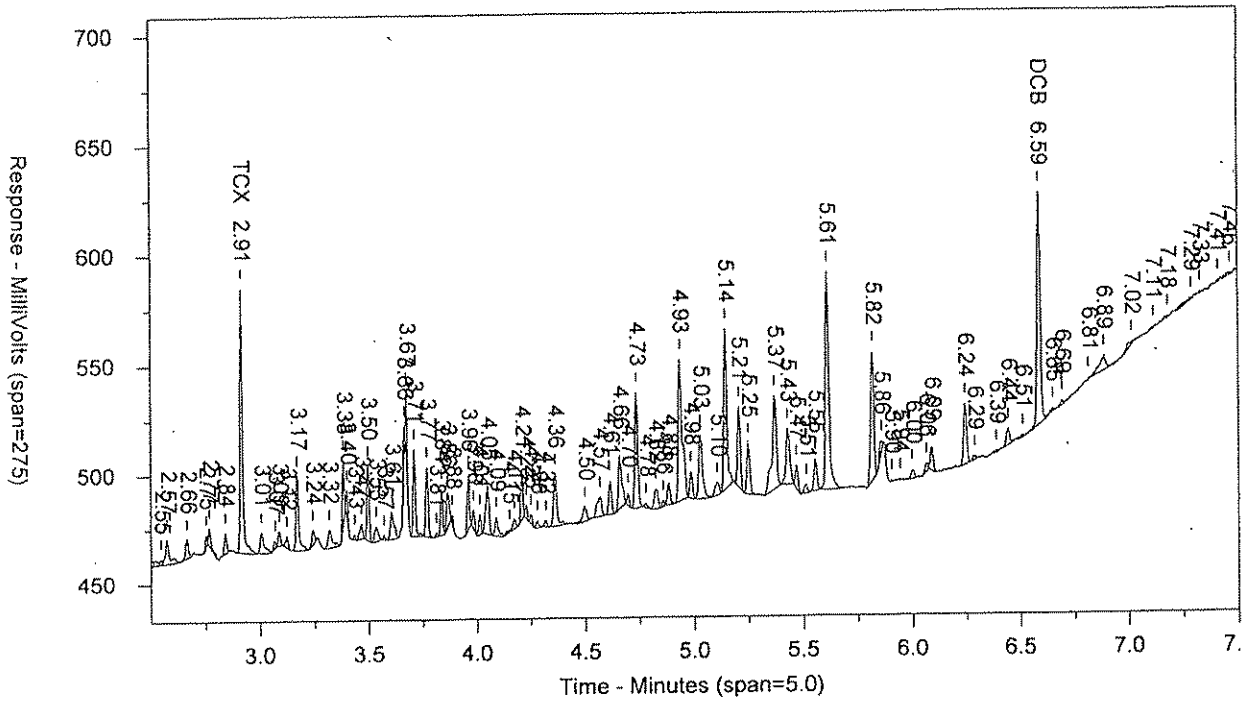

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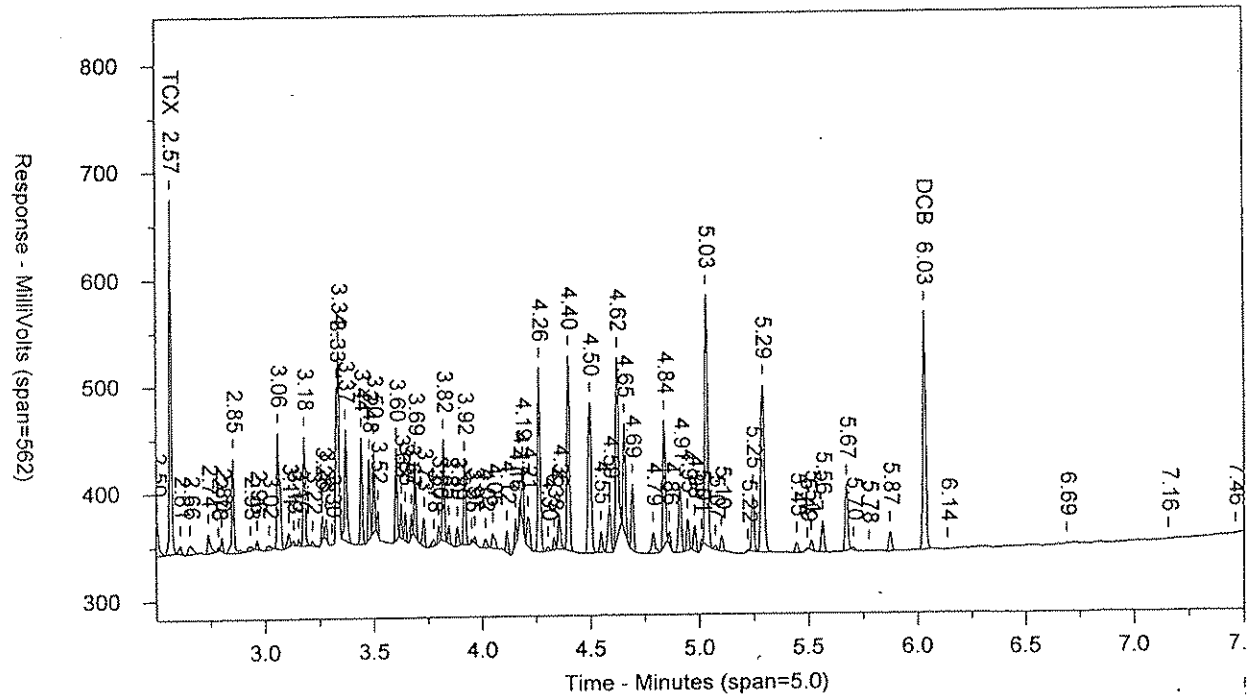

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:34:13 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.546		4579	10713
1.653		2469	2687
1.759		3790	3822
1.868		3951	3632
1.975		7724	8351
2.01		1364	1580
2.089		12822	27476
2.185		6174	6043
2.213		26878	19575
2.288		4919	3703
2.304		11529	7800
2.324		9946	6914
2.384		7556	9558
2.438		1520	3596
2.481		6067	5445
2.557		4382	2626
2.624		1452	798
2.648		1572	708
2.665		4881	4243
2.734		794	565
2.751		4183	9378
2.841		10219	14101
2.914	TCX	5866096	3869447
3.006		4546	6706
3.066		92369	79676
3.122		101550	110328
3.17		462931	333120
3.241		12303	7193
3.262		58690	40405
3.316		3470	2890
3.382		475210	281387
3.398		205642	112231
3.435		51205	29991
3.451		17793	7716
3.467		38970	22268
3.497		575736	423866
3.531		3688	2133
3.551		10247	5781
3.569		24723	16084
3.605		116309	65563
3.619		51175	25675
3.664		262368	142637
3.674		572780	289623
3.71		668215	504551
3.769		531335	423999
3.808		43577	30259
3.835		360590	262250
3.863		262376	230113
3.884		77945	38349
3.959		383344	279885
3.983		121506	77196
4.013		131379	96802
4.049		305483	329393

RT A	Compound A	Height A	Area A
4.088		92045	75328
4.134		8704	6422
4.171		13425	9435
4.207		284640	220736
4.227		40749	21971
4.25		51356	37516
4.278		2532	1418
4.317		46305	40264
4.36		339234	327916
4.393		8254	5301
4.453		5565	4336
4.495		85251	92775
4.553		21118	15512
4.567		88536	63558
4.613		210360	194231
4.658		355576	420814
4.695		86628	64639
4.734		831877	806816
4.776		15556	14946
4.824		110244	129050
4.856		33301	23183
4.881		142942	127831
4.934		1056980	1284676
4.984		197764	180128
5.027		483379	539147
5.069		7218	4026
5.106		107889	144362
5.142		1228949	1312829
5.204		602673	556504
5.249		367764	368270
5.348		28307	34667
5.37		678052	623383
5.429		370357	353562
5.469		186518	162767
5.508		78858	77681
5.554		241232	235283
5.609		1896318	1988991
5.816		1085365	1113932
5.855		65303	87000
5.868		108179	79113
6		118701	120803
6.064		106212	84140
6.086		186785	143434
6.242		488847	490190
6.287		29913	29643
6.37		1591	620
6.44		225454	226764
6.584	DCB	4464035	4684241
6.705		2859	2233
6.81		2016	1349
6.839		1935	2011
6.965		1583	1843
7.003		1754	2004
7.037		4157	4413
7.103		1544	1289
7.208		1607	349
7.265		1146	2743
7.318		1202	1295
7.336		1480	936
7.521		1194	7786
7.549		2211	2708
7.588		1257	673
7.624		2025	1189
7.685		1550	901
7.799		1874	1527
7.858		1521	1109

RT A	Compound A	Height A	Area A
7.965		1787	3816
7.984		1823	690
8.025		1187	860
8.093		1366	655
8.168		2152	3063
8.186		1521	702
8.424		1106	1201
8.488		3986	7979
8.576		1448	1729
8.652		20357	74637

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:34:13 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.513		10671	10857
1.623		12391	12945
1.665		3126	7272
1.734		12549	11821
1.843		14033	26070
1.888		77552	68437
1.959		21718	49452
2.014		26804	22590
2.061		6038	8113
2.103		2314	4325
2.163		6989	6800
2.193		4011	3882
2.258		18463	18242
2.368		7306	19599
2.461		7913	6223
2.504		8800	10302
2.526		3012	1587
2.569	TCX	15985430	9687616
2.613		109637	79912
2.658		3050	4261
2.739		292207	194178
2.785		152473	74360
2.8		217316	115750
2.852		1307444	811023
2.9		31900	17592
2.931		1458	1642
2.962		176920	111624
3.02		1779	1909
3.058		1691867	1639679
3.109		199078	120092
3.129		103246	57502
3.155		127527	69977
3.179		1655708	1097201
3.215		76155	43774
3.242		31240	15126
3.262		387556	206693
3.276		210561	98855
3.326		817356	389633
3.335		1685644	726404
3.355		44696	17480
3.369		1632080	1104888
3.442		1781981	1113446
3.478		1198894	733654
3.5		1364706	745444
3.518		374757	185241
3.603		1455177	922270
3.625		511933	273923
3.646		464886	276807
3.674		345393	178793
3.691		929688	549944
3.73		327995	222428
3.776		76931	66348
3.8		130266	79762
3.821		1147217	760115

3.846		151376	86597
3.864		22465	10169
3.884		167080	104603
3.918		1127907	787310
3.951		55386	29533
3.965		73692	42078
4.012		5610	3534
4.028		8575	5096
4.049		212727	217427
4.09		28136	16448
4.115		265752	190804
4.155		362244	222523
4.174		236500	111227
4.186		924748	519399
4.212		475959	474927
4.263		2807134	2092144
4.302		52531	49036
4.331		170384	107819
4.355		554195	456244
4.397		3141351	2327088
4.497		2344107	2428833
4.548		328935	268419
4.587		707156	646556
4.622		3008705	2502670
4.653		1494363	1121164
4.691		1050382	803784
4.748		2417	1773
4.788		324945	237971
4.806		29874	14788
4.838		1997225	1564928
4.86		176746	107310
4.91		1035392	945195
4.945		513301	404594
4.977		448936	371629
5.008		102185	60793
5.029		4465467	3753656
5.071		73104	53750
5.101		332614	268726
5.221		45763	28553
5.245		907938	747991
5.289		2754845	3102233
5.444		296472	259491
5.491		41966	25969
5.513		310827	245985
5.562		540797	479252
5.671		1018881	908958
5.702		51683	36204
5.871		471737	425473
6.03	DCB	8590149	7704841
6.205		1906	2331
6.221		2372	1882
6.274		1490	2192
6.313		2628	4645
6.363		2293	2555
6.483		6903	8446
6.989		1863	7709
7.42		559	1281
8.06		936	971
8.342		1700	3006
8.462		954	669

IC16X1624B AAIC16XAA CCAL 1624199999 10736 SW-846 808

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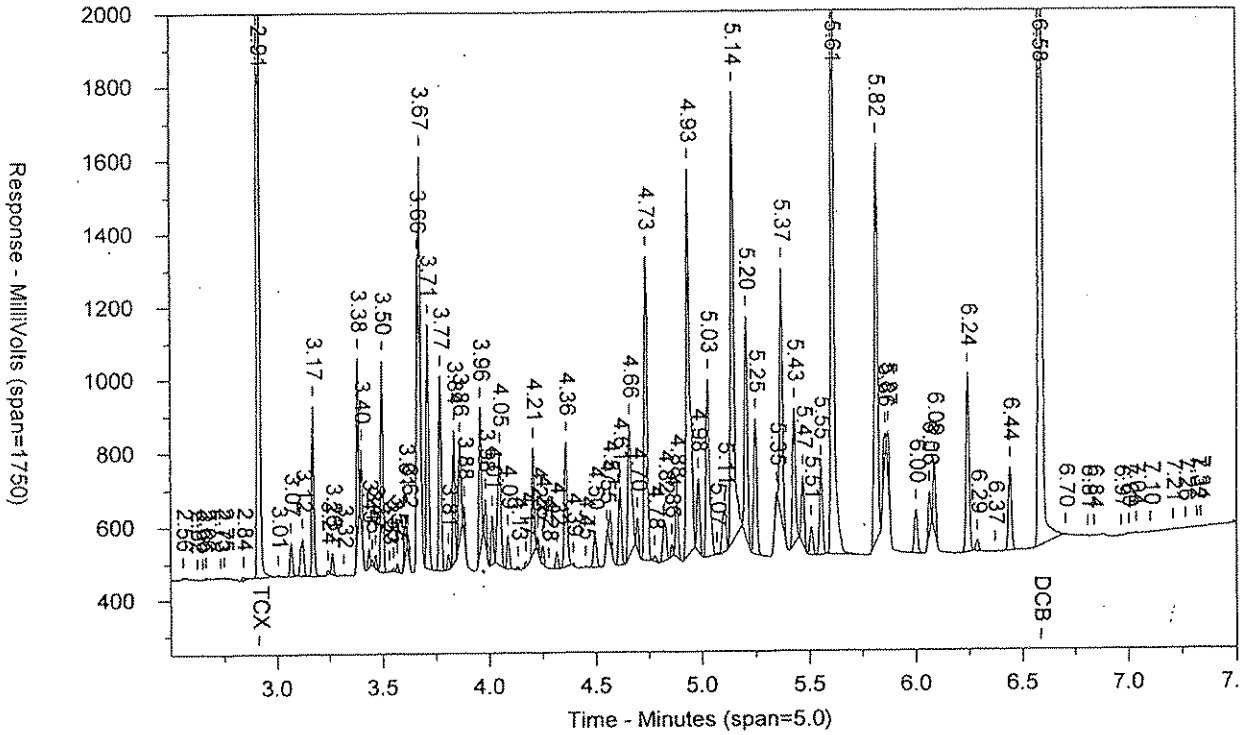

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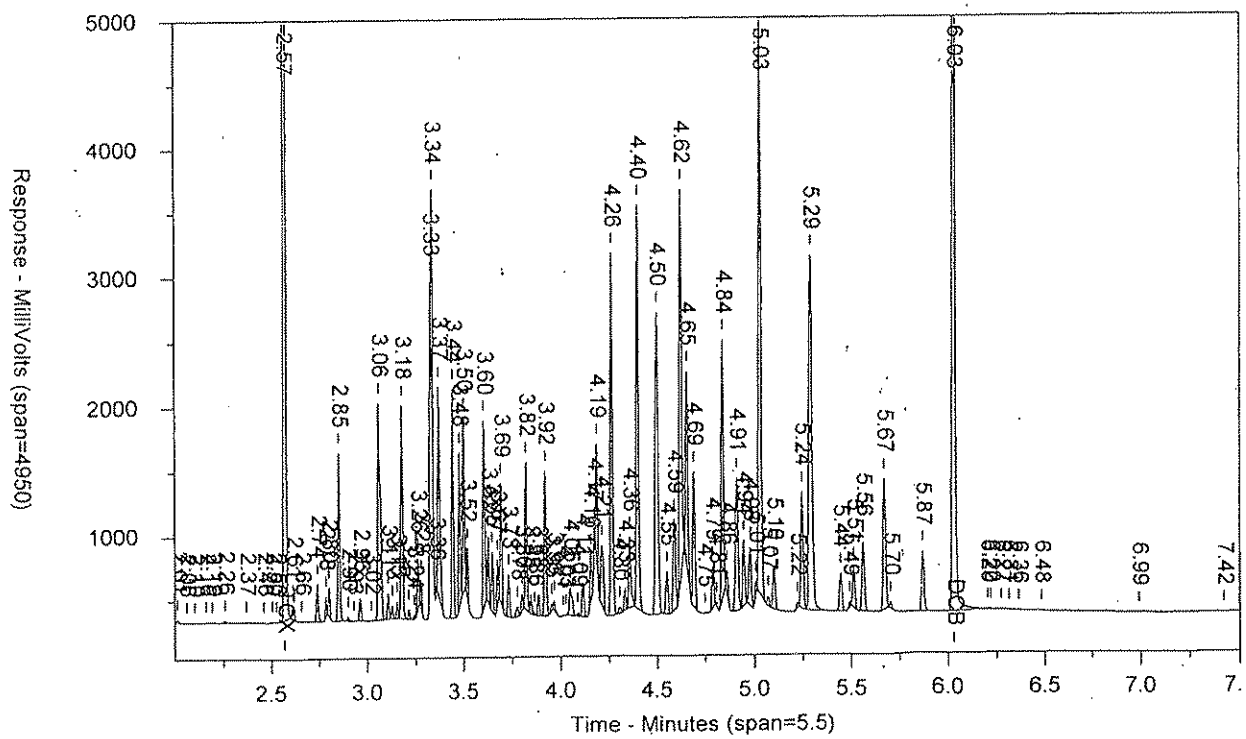

IC16X1624B AAIC16XAA CCAL 1624199999 10736 SW-846 8082

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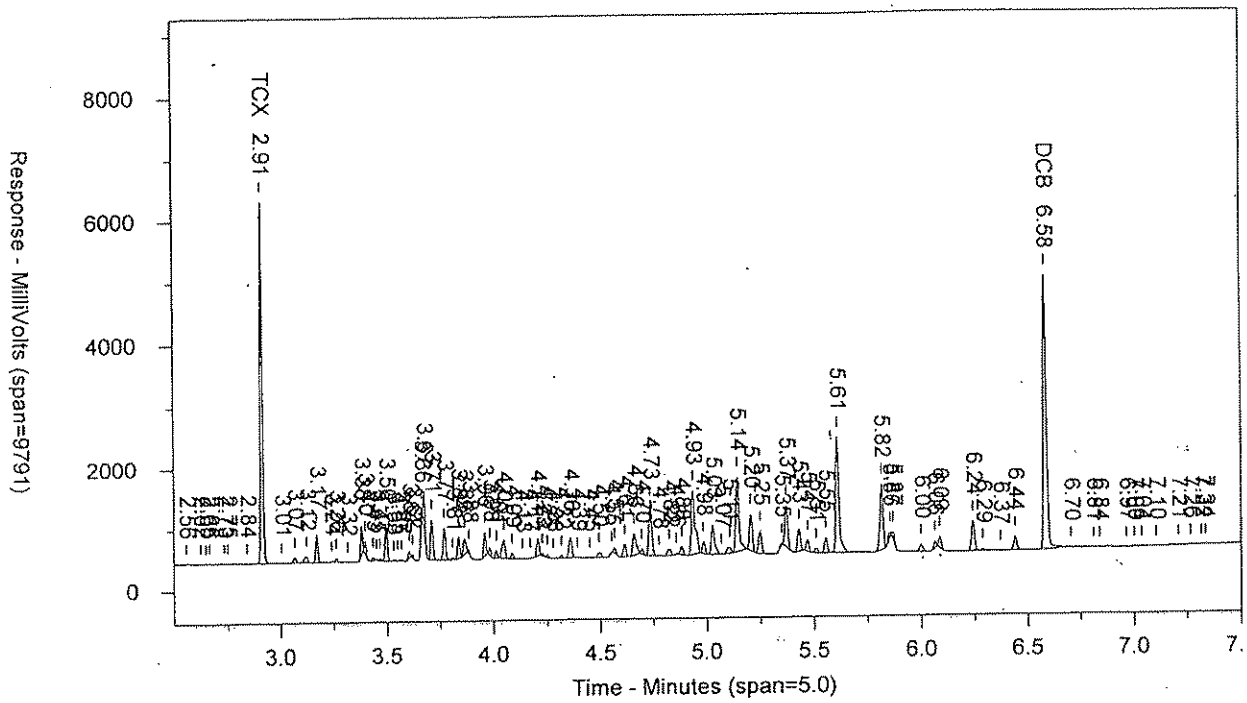

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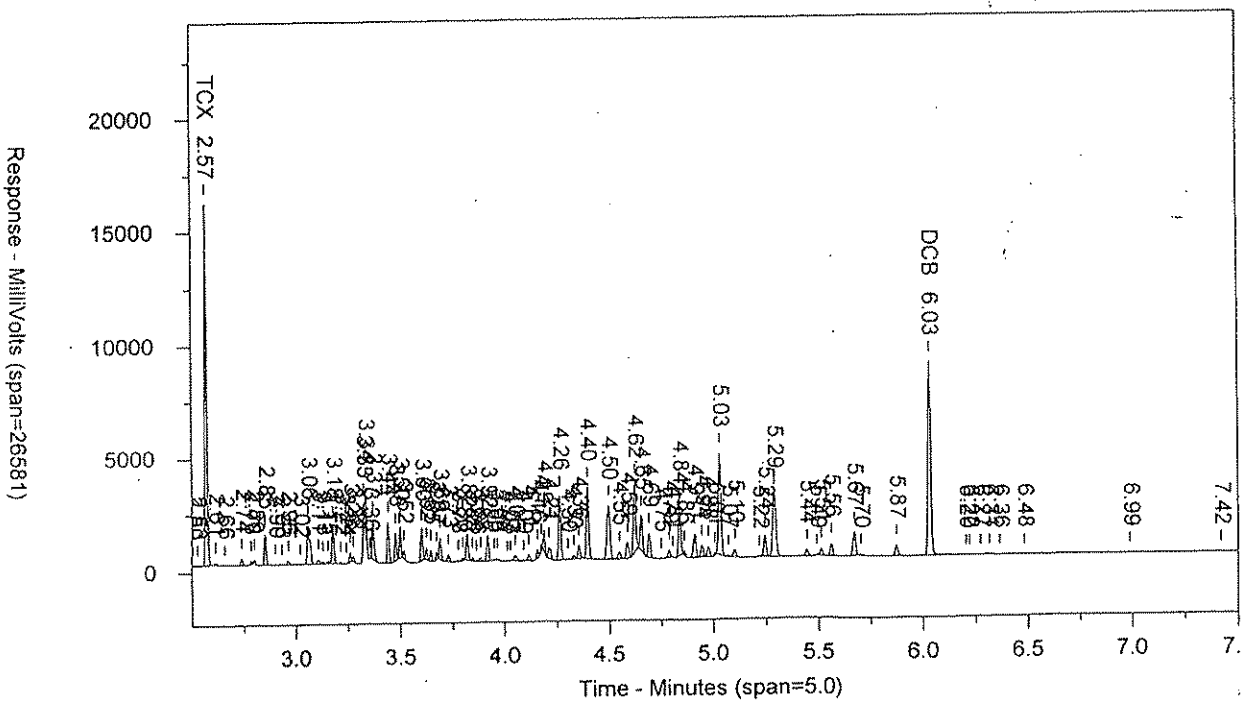

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:34:13 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	5866096	39.862	TCX	2.569	15985430	38.873	TCX
6.584	4464035	37.185	DCB	6.03	8590149	36.221	DCB

Files:
Area File: 07pcbs16242001.0029.RAW
Area File: 07pcbs16242001B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 8:42:57 PM
File Reported On: 8/29/2016 at 8:43:05 PM

LANCASTER LABORATORIES

Sample Number: IC48X1624A AAIC48XAA CCAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:45:40 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.536		18170	46270
1.646		11914	31997
1.72		4127	7546
1.757		6580	6819
1.869		6438	6578
1.976		14729	18374
2.016		7602	10669
2.043		5882	5705
2.089		14891	30959
2.14		1916	1189
2.186		7728	6331
2.213		26750	21458
2.286		7806	5707
2.305		19647	14415
2.324		11517	8767
2.384		12296	17901
2.43		4489	5918
2.48		10757	13292
2.573		8353	12396
2.666		5861	4635
2.697		1196	594
2.75		5188	3453
2.817		2734	2016
2.84		8749	7896
2.914	TCX	6140840	4022023
3.003		11337	14405
3.067		19725	14715
3.086		3557	2011
3.113		71446	55850
3.17		75310	56781
3.242		15328	10620
3.263		14809	9918
3.318		5665	5928
3.382		235106	143082
3.399		62356	31209
3.436		14969	7916
3.452		6688	3244
3.466		3319	1810
3.497		206226	156183
3.535		2318	1593
3.552		10320	5514
3.57		20487	12338
3.605		42681	25596
3.62		8949	3779
3.664		196640	112946
3.675		218957	113110
3.711		302315	236625
3.769		283880	233110
3.809		37150	24339
3.836		512047	369808
3.863		336296	270399
3.884		105235	57083
3.958		555104	413445

RT A	Compound A	Height A	Area A
3.983		160365	104791
4.013		192431	142933
4.049		456157	448933
4.089		160841	136219
4.135		16121	12301
4.173		45562	39823
4.207		395615	279448
4.227		531690	335278
4.249		560961	417615
4.316		48978	47141
4.356		505478	428161
4.377		131447	72444
4.393		54607	31351
4.433		9730	7302
4.457		15043	9932
4.5		152628	150887
4.551		218757	196074
4.583		130380	97042
4.612		407797	343353
4.657		3857	2706
4.697		154746	143272
4.735		27688	35123
4.785		48360	45749
4.827		279300	269115
4.857		20713	15478
4.883		2920	1674
4.907		20990	18375
4.934		18597	13105
4.951		15955	10998
4.985		2908	1458
5.026		282592	278839
5.07		6073	4104
5.097		46906	46815
5.142		62953	56387
5.184		16979	33742
5.25		1647	849
5.284		1734	2446
5.354		28889	33085
5.434		16287	53279
5.508		52437	59211
5.552		14486	12845
5.578		2268	1675
5.629		74473	80056
5.734		1207	630
5.816		20649	27596
5.854		3441	5249
5.999		92407	94090
6.063		85384	77227
6.089		19098	14271
6.156		970	429
6.242		2723	3118
6.377		7390	21787
6.441		60200	64626
6.542		1313	910
6.585	DCB	4267094	4407073
6.627		7231	5009
6.696		4685	5228
6.727		2441	1738
6.861		2157	5925
6.882		3470	4308
6.949		1500	473
6.964		1514	772
7.014		1550	2773
7.037		6366	12274
7.119		3961	10023
7.152		1399	986

RT A	Compound A	Height A	Area A
7.181		976	448
7.202		1249	614
7.264		1160	2720
7.303		1600	2077
7.405		1650	5192
7.431		451	676
7.463		1917	1100
7.507		1682	1646
7.572		1393	613
7.641		1295	484
7.731		1228	3239
7.836		1745	827
7.884		1661	931
7.935		1070	1036
7.944		1138	399
8.105		1642	2139
8.14		1482	661
8.259		1313	874
8.284		1509	785
8.352		1737	1183
8.397		1117	1183
8.475		3632	7228
8.547		2014	1926
8.579		2069	4380
8.659		23877	76855

LANCASTER LABORATORIES

Sample Number: IC48X1624A AAIC48XAA CCAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:45:40 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.508		12541	11133
1.546		3150	2276
1.618		19603	19856
1.681		5586	12160
1.731		20692	24337
1.767		5531	6438
1.841		21797	39513
1.888		97553	89111
1.96		27450	62482
2.014		27558	24263
2.057		10878	15046
2.115		4179	6145
2.16		12189	11215
2.196		5312	5067
2.233		3038	1549
2.262		11625	13756
2.368		11293	19355
2.427		2169	1961
2.461		9376	10213
2.504		14173	14628
2.569	TCX	16676530	10033680
2.613		9774	5677
2.659		18946	15152
2.74		69842	49612
2.785		186446	102599
2.8		10279	3886
2.852		199996	130710
2.9		32591	17797
2.926		3258	3601
2.962		45230	30500
3.013		4255	6686
3.058		790837	684748
3.109		55871	35557
3.13		32841	20625
3.154		11832	5885
3.178		640565	426945
3.216		60493	35210
3.242		30502	15612
3.262		132921	69433
3.277		42291	18648
3.306		1621	776
3.326		1489865	1655986
3.356		75722	30684
3.369		680445	436502
3.442		953071	602758
3.478		1641540	1027221
3.501		1523803	832549
3.518		470462	238906
3.602		1494865	952602
3.625		625327	334142
3.646		671564	396590
3.674		339548	167905
3.69		1476818	871726
3.73		571219	385171

3.777		112202	88966
3.799		1103697	683389
3.821		2734186	1684760
3.845		1925908	1163544
3.864		67835	27884
3.884		151280	88927
3.902		6213	2089
3.918		770786	514979
3.951		1437220	1052196
3.978		695859	380416
4.026		97676	71662
4.059		467839	356402
4.089		12422	6504
4.114		779259	536100
4.147		425038	288646
4.173		1239279	892612
4.21		18496	16692
4.264		491491	445333
4.3		114544	81991
4.331		767017	591471
4.37		56889	35582
4.395		50497	28411
4.422		58405	51772
4.492		110011	108891
4.543		714620	589908
4.592		124312	108711
4.622		186068	170111
4.667		32630	28612
4.746		5432	31498
4.767		2284	1636
4.806		7509	5553
4.838		11228	7263
4.86		68684	53699
4.904		11997	12909
4.945		4128	2505
4.978		99950	83558
5.01		17705	12727
5.031		14745	10394
5.102		186233	165880
5.245		12903	33122
5.369		3425	30776
5.444		221542	198123
5.513		295015	259996
5.562		85300	73061
5.63		7427	28903
5.671		5403	4730
5.824		9757	15315
5.872		129337	117142
5.903		2726	1405
6.03	DCB	8845074	7957648
6.135		7382	12890
6.176		1716	1150
6.211		2137	1578
6.266		1413	1376
6.368		5487	6817
6.388		1600	633
6.435		1978	1342
6.483		7164	6336
6.607		6457	14537
6.726		4062	19508
6.828		1861	4644
7.078		1276	4517
7.194		773	557
7.364		427	17053
7.532		875	4359
7.68		704	464
7.784		740	694

7.864	572	1032

IC48X1624A AAIC48XAA CCAL 1624199999 10736 SW-846 8082

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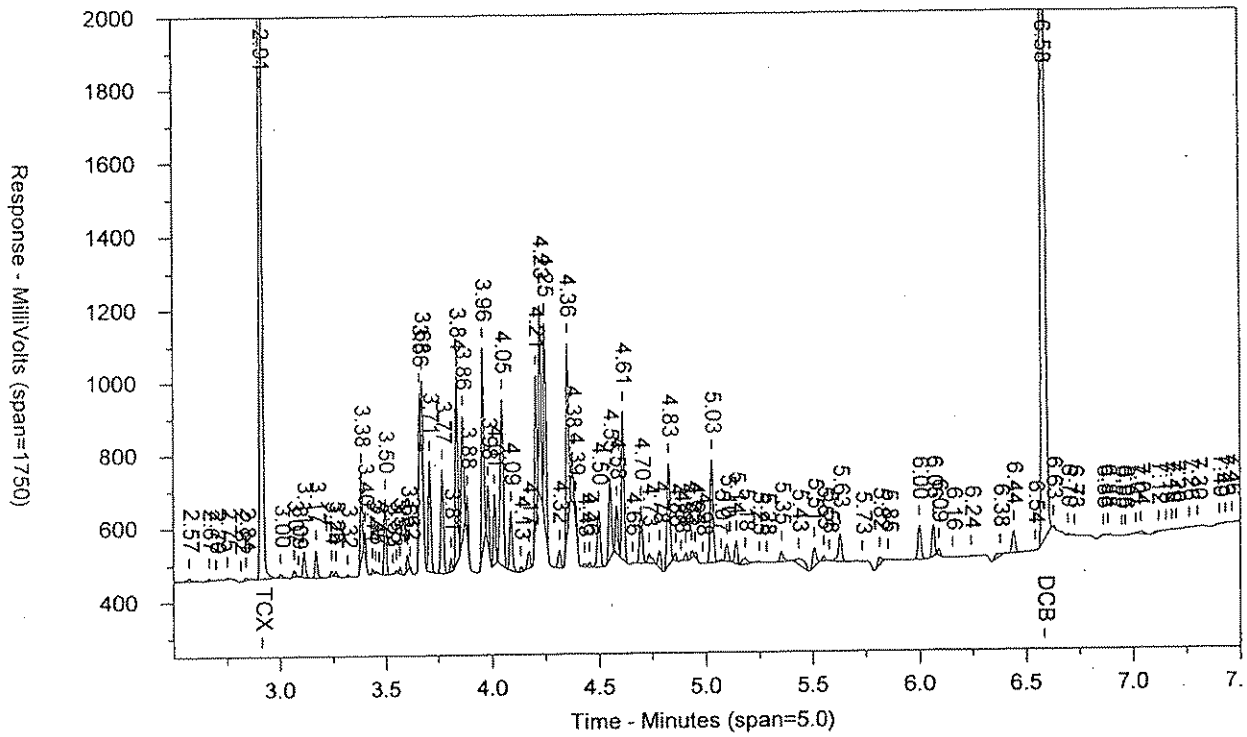

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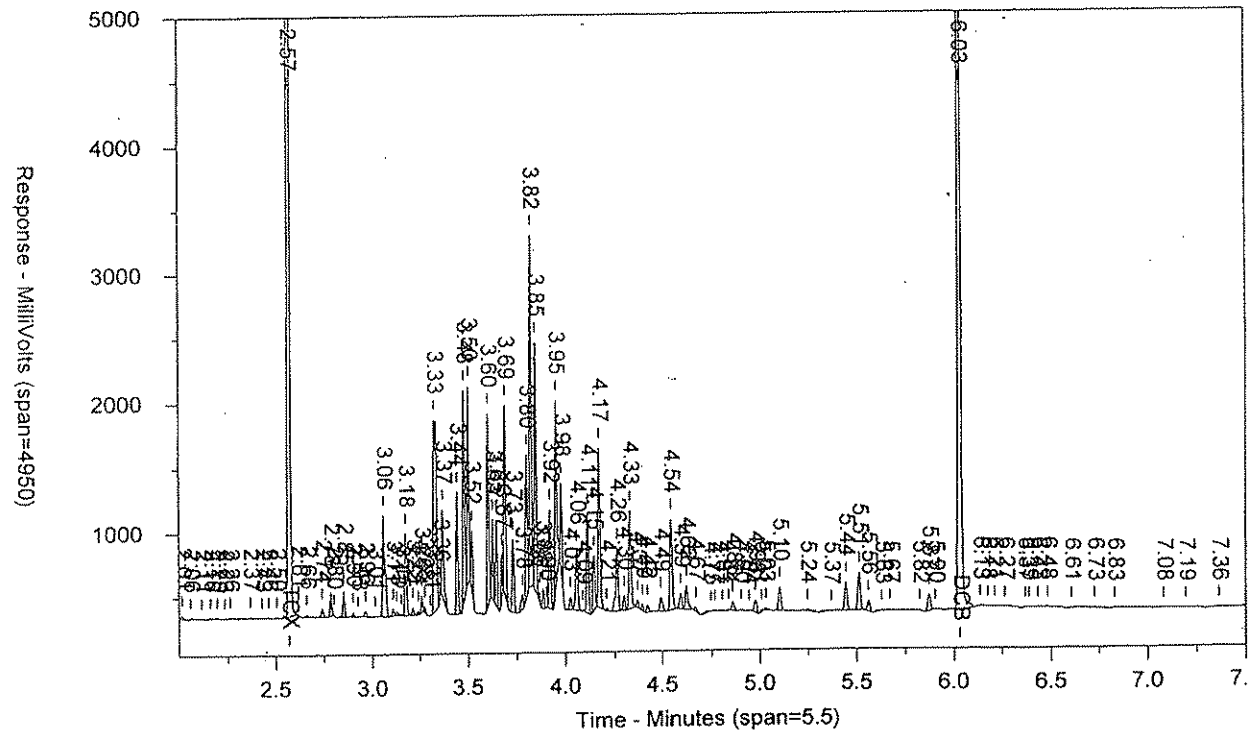

LANCASTER LABORATORIES

Sample Number: IC48X1624A AAIC48XAA CCAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:45:40 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	6140840	41.729	TCX	2.569	16676530	40.554	TCX
6.585	4267094	35.545	DCB	6.03	8845074	37.296	DCB

Files:
Area File: 07pcbs16242001.0030.RAW
Area File: 07pcbs16242001B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 8:54:26 PM
File Reported On: 8/29/2016 at 8:54:35 PM

!C48X1624A AAIC48XAA CCAL 1624199999 10736 SW-846 8082

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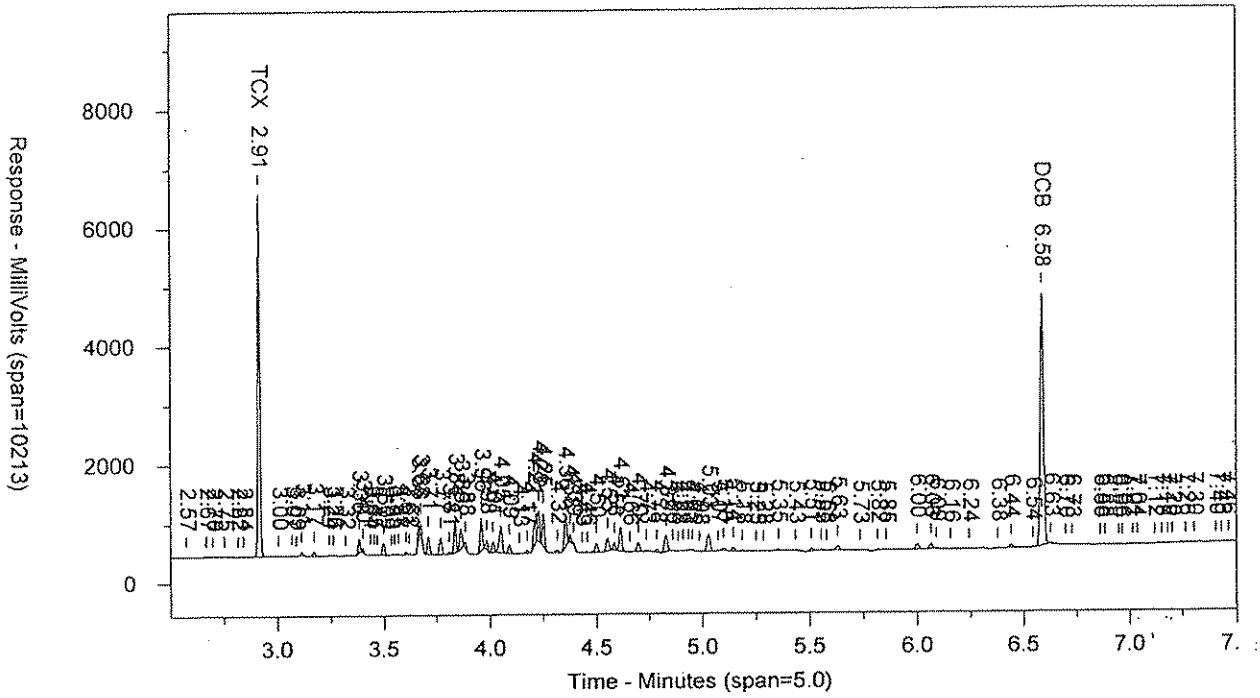

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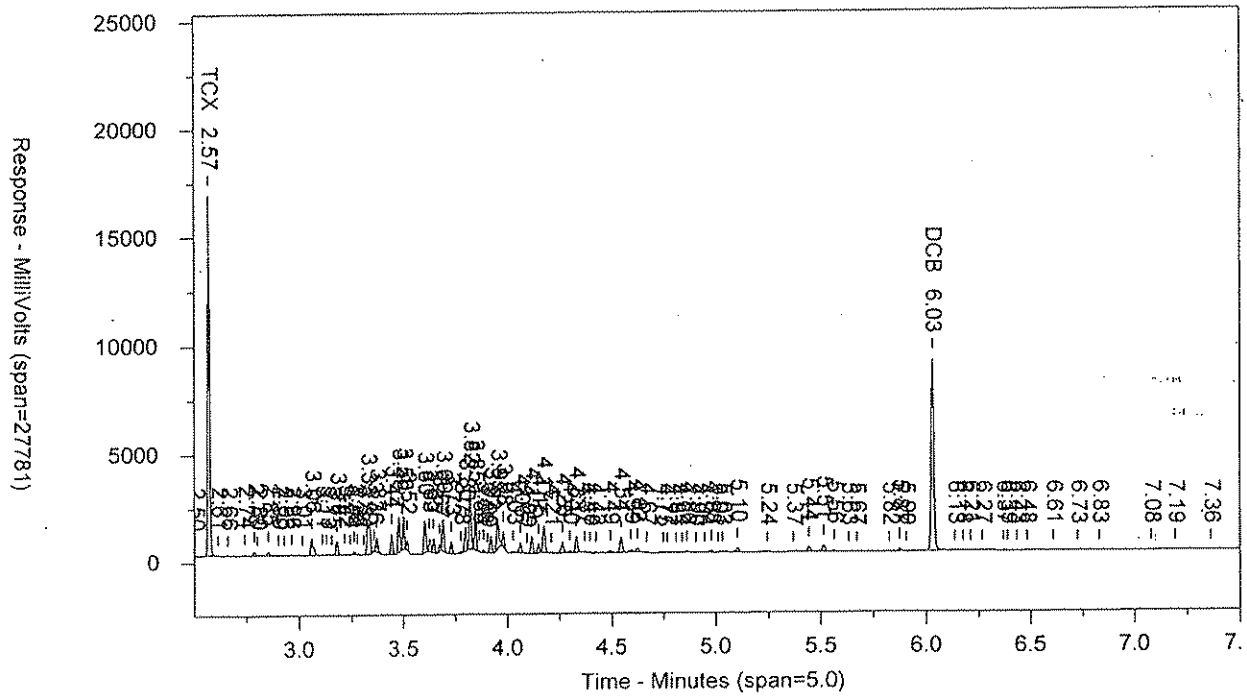

LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:57:16 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001.0031.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.546		18927	46984
1.587		17222	54354
1.718		3071	2732
1.829		1446	2409
1.981		23243	37467
2.008		23754	51716
2.089		33265	112588
2.139		26106	90909
2.213		36709	60952
2.258		23881	56705
2.304		45250	60465
2.322		28962	37195
2.368		26569	83901
2.454		20257	62899
2.489		16690	31327
2.559		11534	32490
2.623		2327	1874
2.644		3155	1900
2.68		2628	3728
2.735		1515	3190
2.768		9216	28386
2.838		13113	36092
2.914	TCX	2884997	1937691
3.001		6780	15861
3.065		10689	13302
3.113		43698	72160
3.175		28361	55433
3.242		6806	7531
3.383		31132	31105
3.452		11796	7364
3.538		1027	21256
3.551		4867	2847
3.57		24635	16238
3.607		4482	3060
3.664		13258	6679
3.677		9696	8125
3.712		66298	54759
3.768		46327	78087
3.836		499645	387335
3.863		134304	132146
3.959		300452	232123
3.984		16905	9702
4.014		31106	22199
4.049		130216	136168
4.09		34303	47742
4.17		26478	47097
4.207		683068	507666
4.228		269855	166331
4.252		198697	151243
4.318		194929	168639
4.359		1102549	1077387
4.394		371389	309045
4.434		19931	14684

RT A	Compound A	Height A	Area A
4.458		40614	27958
4.501		390501	374526
4.552		706248	662007
4.584		178811	116998
4.613		1525544	1318449
4.658		109001	138075
4.698		216561	177650
4.735		456989	472514
4.785		105862	96268
4.827		1037218	982069
4.856		22220	12839
4.882		92769	81369
4.909		18427	10031
4.935		385155	289307
4.952		171130	113152
4.984		11536	8766
5.027		853222	818539
5.07		89277	72139
5.098		98032	135066
5.143		993529	912204
5.167		49910	22436
5.183		32658	19343
5.205		24153	17601
5.25		34720	31093
5.328		2074	1358
5.354		362818	482790
5.404		2907	1281
5.43		46104	44259
5.467		37596	32080
5.509		39491	43270
5.554		228424	203089
5.58		31974	20237
5.61		160354	188742
5.818		156758	157669
5.849		23941	23895
5.911		1838	1886
6		45864	48836
6.064		49883	42251
6.09		18038	17668
6.149		1011	673
6.192		1719	1818
6.243		8996	8683
6.375		7689	19119
6.442		30046	30412
6.508		1576	591
6.586	DCB	2177283	2268915
6.691		2894	2713
6.738		933	1192
6.804		5731	10524
6.867		1600	6374
6.885		4361	5335
7.006		2223	2124
7.04		3555	7549
7.131		877	7151
7.169		1478	710
7.235		2070	1948
7.262		1686	721
7.294		1400	761
7.33		3057	7375
7.453		586	10888
7.489		1632	2211
7.56		1395	975
7.628		1043	1093
7.72		1707	1640
7.748		1260	1411
7.795		1140	770

RT A	Compound A	Height A	Area A
7.823		1284	547
7.841		1809	599
7.894		1208	371
7.929		1470	1049
8.003		1394	3453
8.124		1683	5072
8.164		1239	381
8.234		1398	603
8.249		1659	1093
8.297		1322	1004
8.418		1630	4024
8.482		3018	4509
8.546		1661	996
8.577		1387	1112
8.662		21066	64321

LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:57:16 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242001B.0031.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.545		2248	1999
1.58		2115	2264
1.673		2005	2731
1.716		2993	1455
1.74		10621	16085
1.764		15604	22304
1.848		19011	85343
1.887		85431	109054
1.962		24729	61365
2.014		20667	32647
2.071		4678	4616
2.116		13909	31546
2.194		19790	76511
2.321		1982	1288
2.371		6231	15245
2.431		12103	56070
2.504		23958	35730
2.568	TCX	8070742	4860268
2.659		9195	6588
2.691		2298	2352
2.739		10224	7821
2.784		105603	58495
2.812		7191	7771
2.852		39019	26841
2.9		16659	9268
2.962		5958	6256
3		2602	2124
3.058		90776	87843
3.109		11252	16158
3.131		34030	30485
3.179		68818	47400
3.216		72088	43906
3.242		15528	7821
3.262		10493	5180
3.278		6624	3534
3.326		96011	96695
3.371		154825	158970
3.443		89527	57845
3.478		1586238	991865
3.501		533866	308079
3.518		40061	15393
3.536		14787	7667
3.603		573656	380867
3.626		77551	40453
3.646		116037	75199
3.674		127999	63024
3.691		359241	206945
3.73		114420	81017
3.771		87419	78746
3.799		324257	180916
3.821		3572998	2354836
3.846		372101	196612
3.865		193541	106796
3.885		585805	375390

3.919		3272692	2200237
3.95		1164925	672841
3.965		641744	328287
4.026		243561	170312
4.059		1236827	924901
4.114		2350668	1604511
4.147		608933	446412
4.174		4600476	3377683
4.211		307002	294059
4.263		2190794	1766307
4.3		302762	217822
4.332		2738601	1945915
4.355		348311	218403
4.397		1104037	850503
4.422		70273	40654
4.493		1459537	1507448
4.545		1899018	1559564
4.584		472986	425300
4.622		3254477	3010129
4.668		215728	145979
4.691		39656	22737
4.748		39245	65135
4.789		8251	4108
4.807		126004	99766
4.838		135162	89775
4.861		889176	712660
4.911		124096	101481
4.945		100781	78393
4.977		103461	82296
5.009		287408	211058
5.031		335635	298715
5.071		5428	3248
5.102		97654	82220
5.22		1254	810
5.246		15246	12460
5.286		270618	267309
5.331		2357	3067
5.445		109353	94597
5.493		7821	4943
5.514		138245	110387
5.562		56159	48908
5.651		1125	27947
5.672		18774	15636
5.872		72392	76951
5.995		1322	737
6.031	DCB	4352240	4010610
6.132		3808	5915
6.376		5641	10830
6.485		3486	3333
6.604		3772	5919
6.829		5362	15618
7.067		1375	2888
7.335		1890	6331
7.657		788	4017
7.988		1027	1536
8.134		654	492
8.219		892	917
8.318		825	243
8.344		1474	2462
8.553		1119	911

IC54X1624A AAIC54XAA CCAL 1624199999 10736 SW-846 8082

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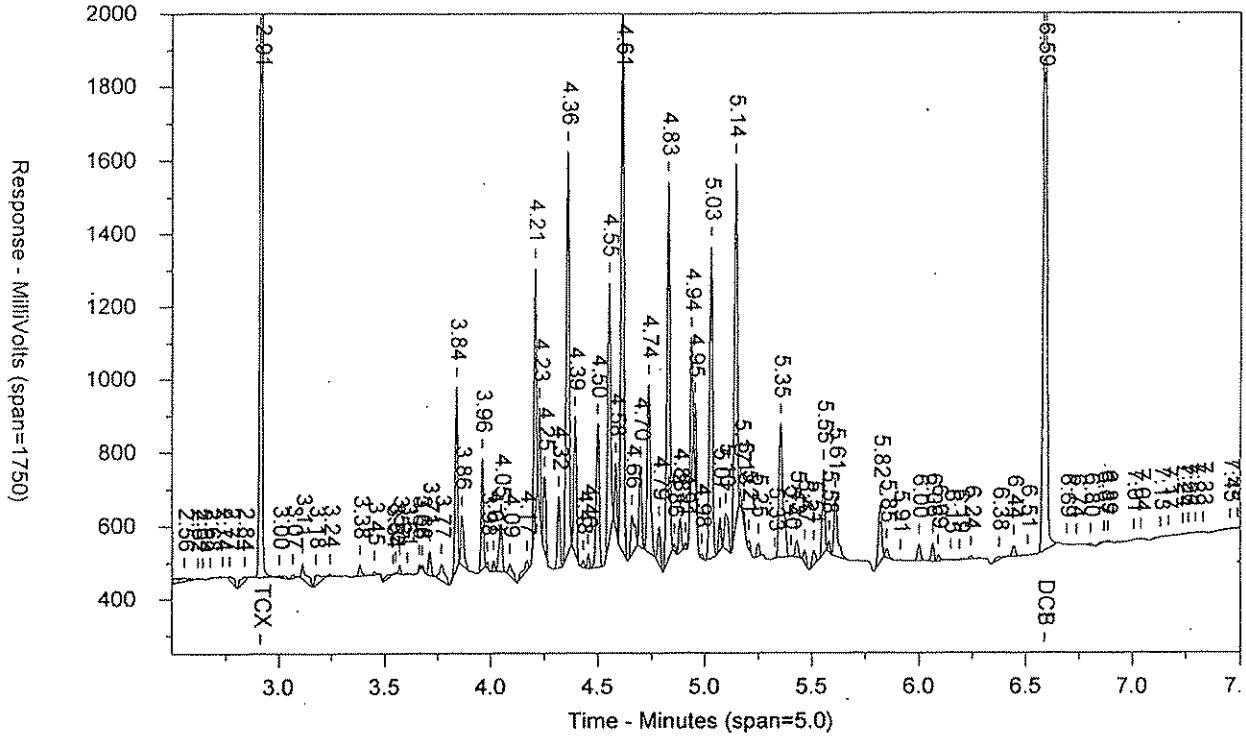

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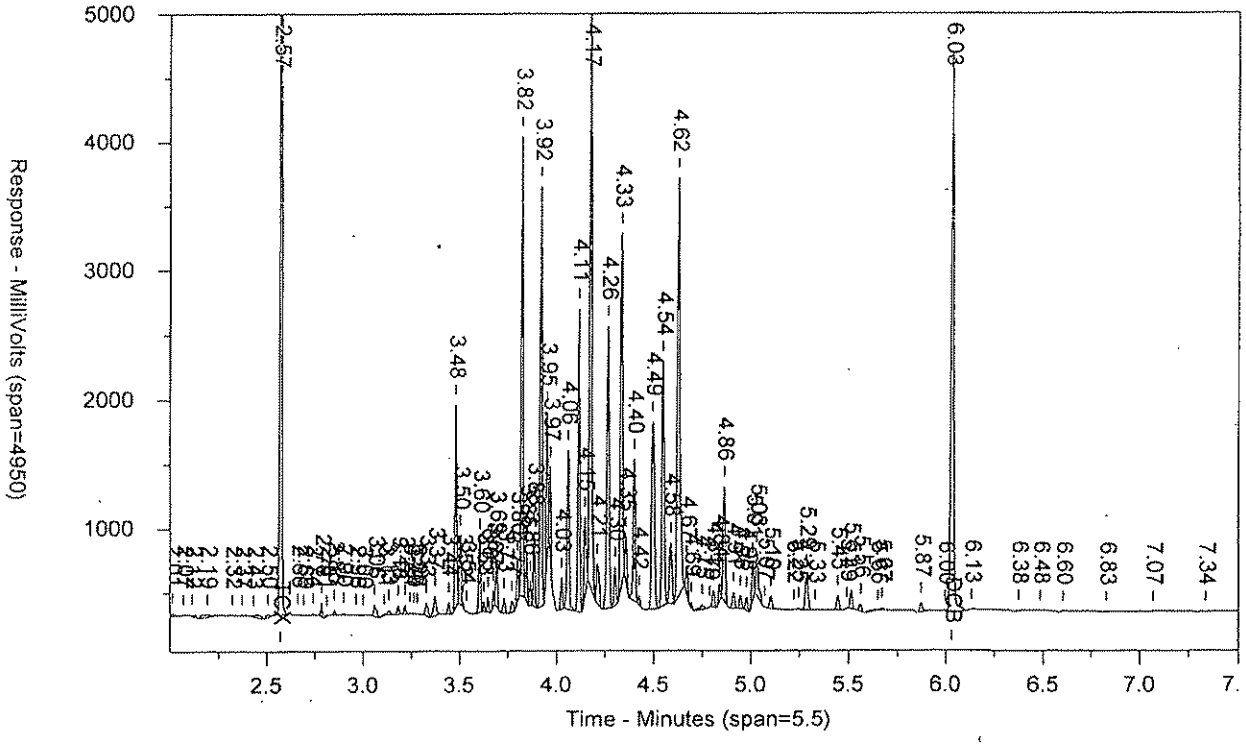

LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1624199999 10736 SW-846 8082
Injected On: 8/29/2016 8:57:16 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.914	2884997	19.605	TCX	2.568	8070742	19.626	TCX
6.586	2177283	18.137	DCB	6.031	4352240	18.351	DCB

Files:
Area File: 07pcbs16242001.0031.RAW
Area File: 07pcbs16242001B.0031.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 8/29/2016 9:05:59 PM
File Reported On: 8/29/2016 at 9:06:07 PM

IC54X1624A AAIC54XAA CCAL 1624199999 10736 SW-846 8082

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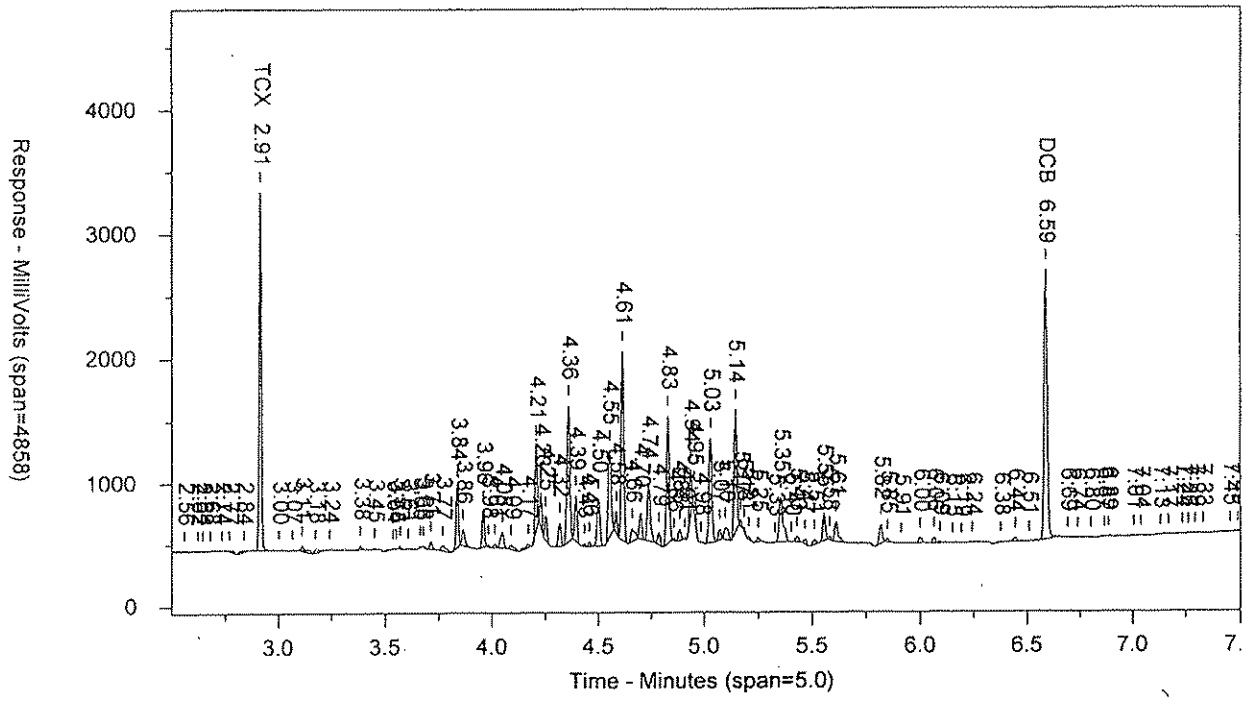

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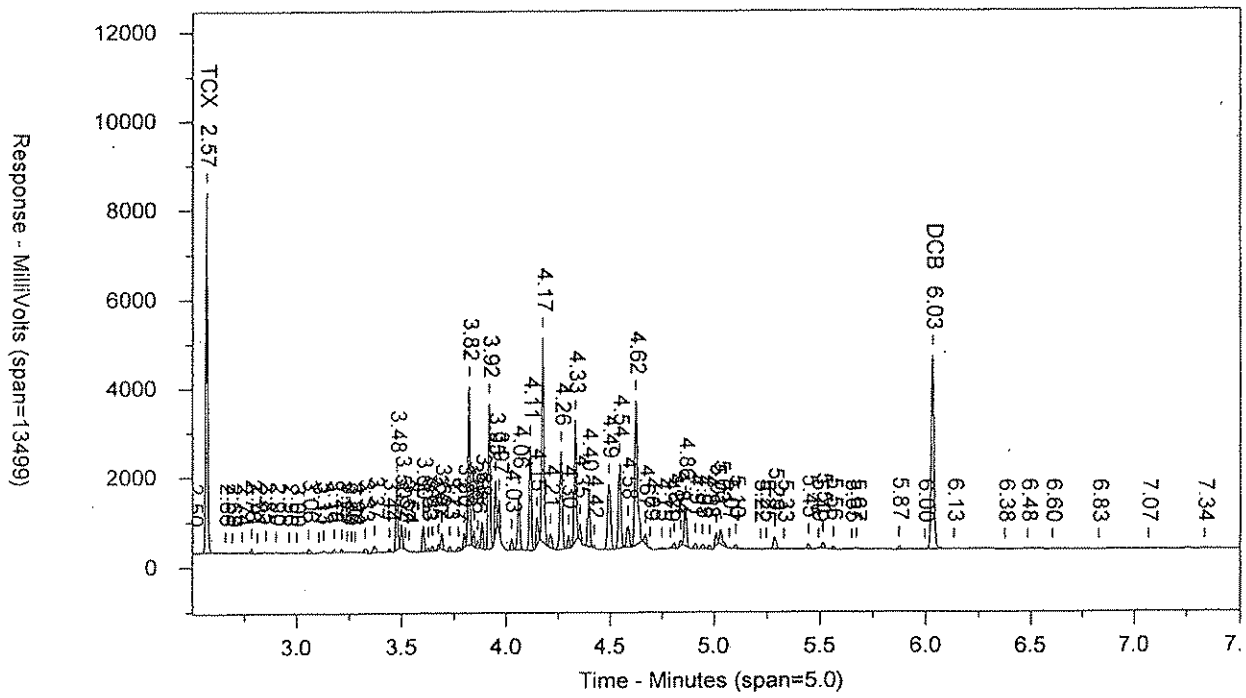

LANCASTER LABORATORIES

Sample Number: AR1631624B GRAR163GR CCAL 1626899999 10736 SW-846 8082
Injected On: 9/25/2016 6:43:47 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.547		1520	2783
1.764		1495	1566
1.885		966	741
1.999		2023	4479
2.101		19232	44427
2.156		15661	46059
2.223		35647	61422
2.314		21301	21894
2.334		17697	24813
2.38		9882	21889
2.431		6375	7650
2.487		4504	13963
2.551		2284	1778
2.566		7439	6023
2.662		1560	1191
2.747		878	785
2.774		23661	19785
2.843		2519	2219
2.922	TCX	5609048	3756894
3.073		82610	68856
3.129		100363	108142
3.177		439947	311564
3.248		10554	5612
3.269		54811	37154
3.303		2271	1732
3.387		444637	266097
3.404		207455	108695
3.44		51307	28997
3.456		16987	6984
3.473		39067	22908
3.501		532956	391182
3.556		5128	3052
3.574		20234	12726
3.609		102501	61553
3.624		55009	26186
3.667		232483	126100
3.678		509190	269099
3.714		617917	466521
3.773		495833	390949
3.812		39201	27047
3.839		340097	251464
3.866		253265	209551
3.886		71890	36180
3.961		366982	269044
3.985		128862	82492
4.016		135848	100087
4.051		361038	371165
4.09		116703	94714
4.136		16465	12814
4.174		21589	19529
4.208		341286	257090
4.228		83804	47820
4.251		90917	68701

RT A	Compound A	Height A	Area A
4.318		50552	44147
4.36		357980	333616
4.394		9409	6052
4.457		4997	4290
4.497		54834	56517
4.553		25613	17983
4.567		75762	53846
4.613		226192	202899
4.658		353389	390545
4.695		79357	59177
4.735		791020	756770
4.774		8792	8739
4.825		114959	138632
4.857		16419	10663
4.881		140327	129480
4.934		965451	1219663
4.982		187305	169665
5.026		468944	519084
5.068		8193	4644
5.104		96413	126752
5.142		1126910	1278163
5.204		599384	543311
5.248		369066	362835
5.347		21856	32112
5.368		632588	584712
5.427		341638	327427
5.467		177322	155028
5.507		57380	55325
5.552		245313	233562
5.608		1717809	1886455
5.813		958340	1027434
5.851		94759	86466
5.867		107002	76340
5.998		97376	97892
6.062		85239	67643
6.085		166039	130264
6.24		429940	437886
6.284		27722	25474
6.405		1216	1096
6.437		147694	155346
6.539		821	1605
6.581	DCB	3841230	4023749
6.723		2048	1114
6.774		1515	1065
6.884		2491	2918
7.03		4238	5828
7.21		1249	3286
7.232		1393	567
7.253		1364	305
7.275		1302	852
7.328		1556	2020
7.408		1262	2174
7.462		931	2665
7.535		794	578
7.583		1507	1412
7.645		1961	2969
7.691		1105	1454
7.728		1652	636
7.833		1395	4640
7.854		1309	886
7.912		1050	2174
7.979		1387	2581
8.081		1368	1621
8.112		1235	697
8.159		1698	2845
8.216		1297	1796

RT A	Compound A	Height A	Area A
8.337		1386	710
8.445		1456	1809
8.483		3508	6439
8.606		1344	1539
8.654		12476	42375

LANCASTER LABORATORIES

Sample Number: AR1631624B GRAR163GR CCAL 1626899999 10736 SW-846 8082
Injected On: 9/25/2016 6:43:47 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.51		1803	1111
1.533		1873	1749
1.614		2701	3094
1.689		10380	27936
1.722		18172	15883
1.781		19020	63150
1.836		17676	57410
1.899		94061	109558
1.967		27554	69308
2.025		31615	32898
2.127		1582	1510
2.174		1907	1562
2.203		5854	6511
2.268		17746	15639
2.329		2802	2226
2.359		1267	1034
2.376		1236	1146
2.449		3223	7251
2.514		52521	44742
2.579	TCX	16833290	10136400
2.623		117569	82132
2.669		5013	3790
2.749		279636	181968
2.795		159869	77506
2.809		240441	125002
2.861		1340486	838241
2.91		35467	20776
2.971		179510	110754
3.067		1112296	542879
3.077		371200	130071
3.118		200330	121911
3.138		98195	53561
3.163		134395	75694
3.187		1652530	1089693
3.224		64909	37862
3.25		19261	9165
3.269		423976	212214
3.284		230333	112318
3.31		2114	838
3.334		595968	324551
3.343		1873545	778360
3.363		49191	18460
3.376		1639020	1096119
3.449		1806551	1108172
3.485		1212064	749017
3.507		1314410	711456
3.525		387507	191258
3.609		1419449	919851
3.631		540510	288076
3.652		512659	301689
3.679		357824	180536
3.696		1191227	703513
3.735		448491	311855
3.783		69376	61993

3.805		299618	176947
3.826		1566125	1015334
3.85		295052	171108
3.869		51823	23770
3.889		194978	121006
3.923		1260612	865171
3.956		57319	31338
3.97		100626	58939
4.017		3764	2390
4.031		10550	6561
4.054		40369	22813
4.063		50047	21954
4.095		8750	4899
4.119		331985	235926
4.159		371359	219987
4.177		284410	142430
4.191		873633	498542
4.216		496372	493263
4.267		2986646	2148765
4.313		35947	37292
4.335		228262	145097
4.359		558224	433592
4.401		3112179	2398701
4.5		2436964	2507441
4.551		345012	286917
4.591		715219	643808
4.625		3090806	2610296
4.657		1605574	1168138
4.695		1059596	831621
4.791		377721	365038
4.841		2042815	1580178
4.864		208666	126685
4.913		1063467	951603
4.948		515385	411923
4.979		418388	335432
5.01		135724	79809
5.033		4471619	3794385
5.073		76005	55714
5.104		305877	250966
5.223		46873	29505
5.247		909235	768731
5.292		2842059	3166444
5.446		248437	221010
5.493		39156	26195
5.514		271943	213064
5.563		504395	459080
5.672		1022351	885927
5.704		50447	36880
5.819		2417	2905
5.872		353823	334145
6.03	DCB	7734456	7336054
6.195		2092	1108
6.209		3917	3912
6.238		2918	1246
6.48		4989	12340
6.725		2601	2525
7.004		287	1107
7.232		831	9323
7.328		1145	2702
7.649		910	2192
7.68		1200	916
7.875		1561	3285
8.088		865	2124
8.17		965	520
8.201		911	874
8.338		1583	4436
8.674		2749	4568

AR1631624B GRAR163GR CCAL 1626899999 10736 SW-846 8082

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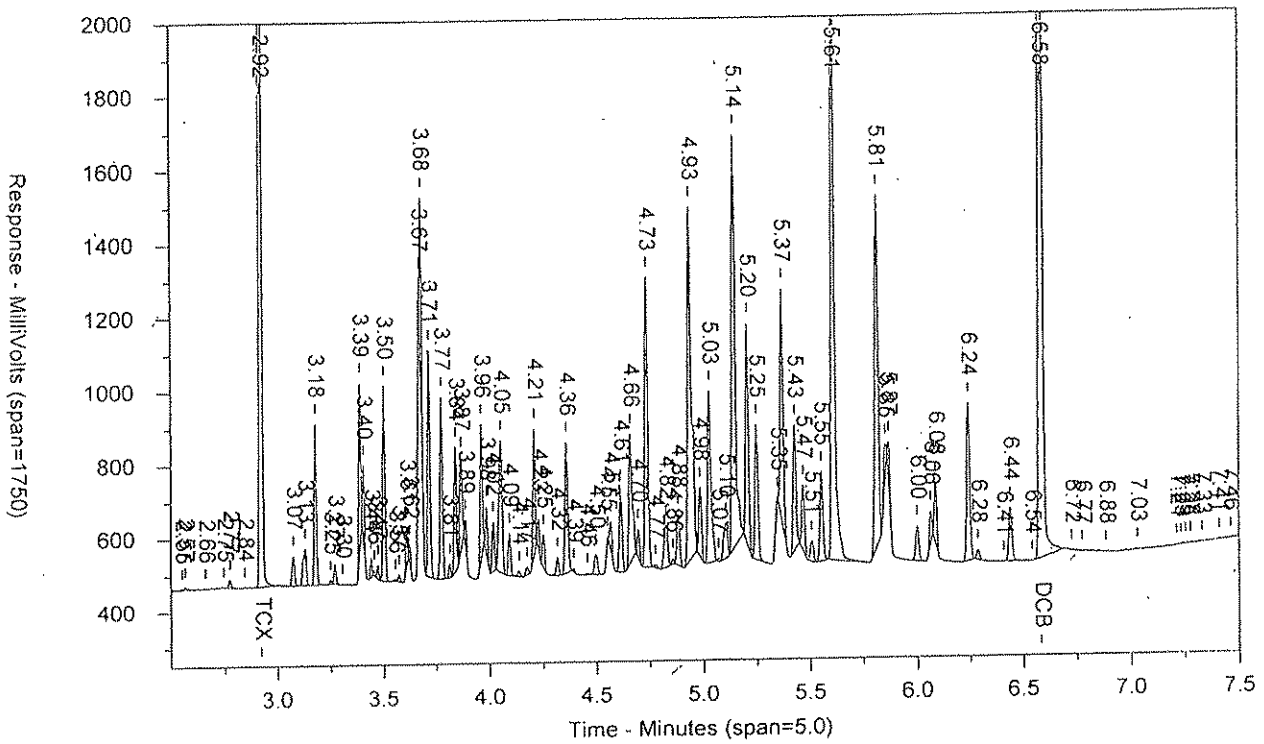

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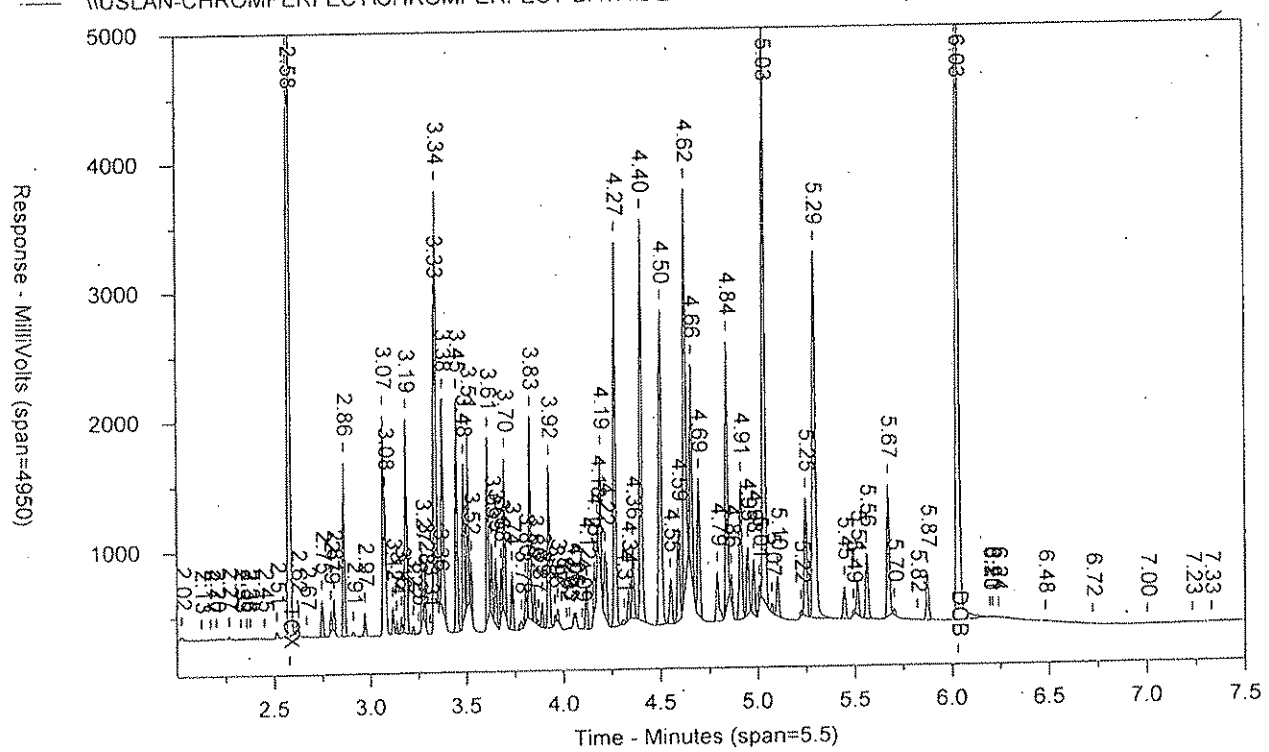

LANCASTER LABORATORIES

Sample Number: AR1631624B GRAR163GR CCAL 1626899999 10736 SW-846 8082
Injected On: 9/25/2016 6:43:47 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 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	5609048	38.116	TCX	2.579	16833290	40.935	TCX
6.581	3841230	31.997	DCB	6.03	7734456	32.613	DCB

Files:
Area File: 07pcbs16242025.0005.RAW
Area File: 07pcbs16242025B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 6:52:29 PM
File Reported On: 9/25/2016 at 6:52:36 PM

AR1631624B GRAR163GR CCAL 1626899999 10736 SW-846 8082

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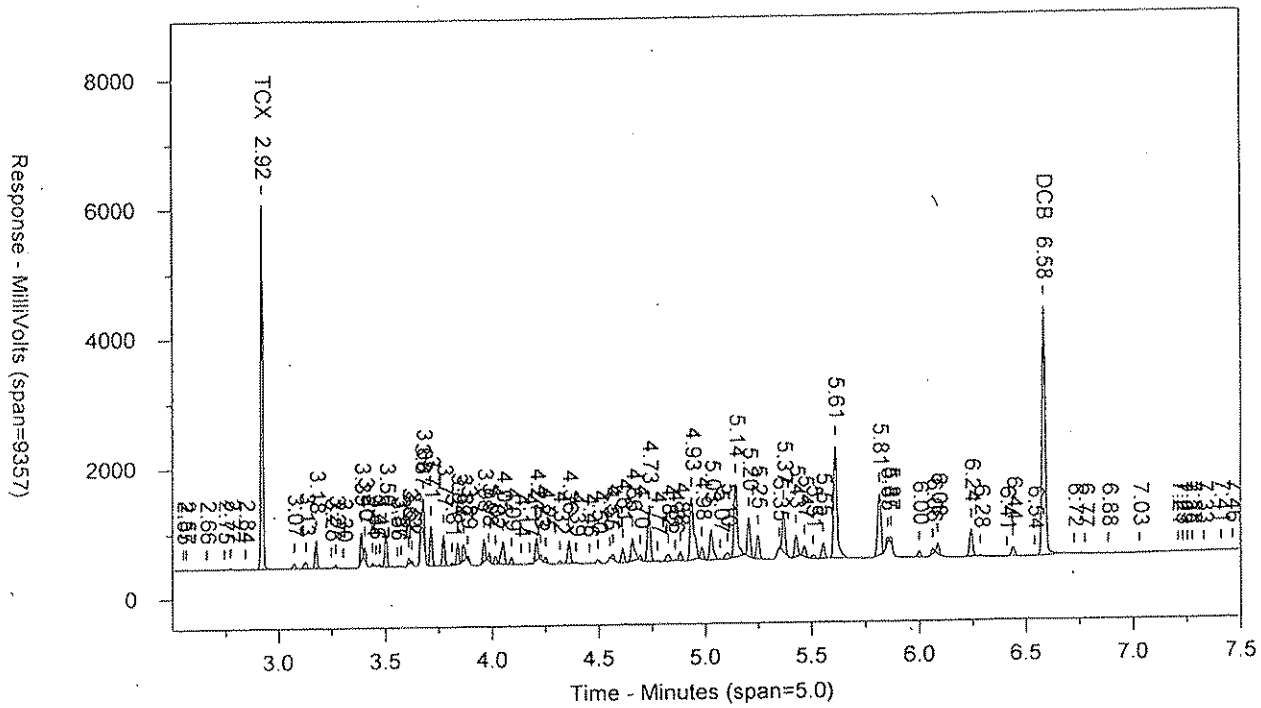

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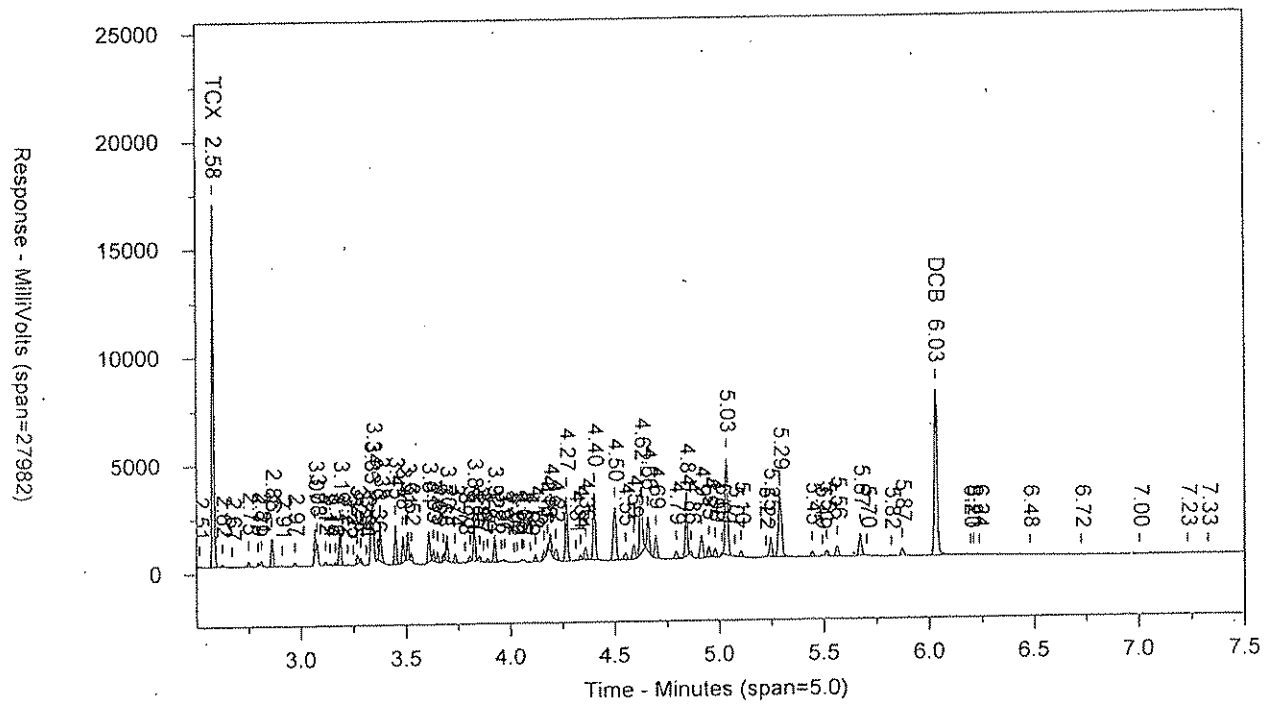

LANCASTER LABORATORIES

Sample Number: IBLKX1624B RXPIBLKRX PIBLK1626899999 10736 SW-846 8082
Injected On: 9/25/2016 6:55:12 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.547		9188	15744
1.577		11465	23094
1.992		6618	11167
2.024		2090	1364
2.098		11026	21908
2.157		4603	10905
2.223		16157	15978
2.313		8516	6846
2.333		6257	4760
2.38		3355	2697
2.428		2804	2091
2.491		2198	2106
2.701		1247	1725
2.774		17218	17541
2.82		3579	2105
2.851		1563	2345
2.898		1136	346
2.922	TCX	3176878	2081446
3.12		39774	32838
3.226		1124	6463
3.249		6724	4582
3.356		1430	1393
3.39		1736	1617
3.477		2236	2215
3.557		4595	12050
3.65		9274	8476
3.911		1288	12513
4.151		1924	2154
4.174		6653	7878
4.233		1930	1861
4.28		3309	4602
4.371		1685	1410
4.435		2302	3864
4.497		1347	2995
4.663		1111	410
4.732		1495	1438
4.837		1360	2777
4.857		6210	5682
4.913		1158	1141
5.039		1005	940
5.098		16988	20210
5.235		1065	3871
5.343		2965	3589
5.41		4312	15875
5.507		13469	15461
5.629		34501	35702
5.704		1042	628
5.812		3187	8235
5.998		47776	48155
6.063		58436	71683
6.311		2006	3316
6.438		24529	26494
6.58	DCB	2066774	2195239

RT A	Compound A	Height A	Area A
6.69		2224	866
6.713		2021	1533
6.749		1208	844
6.877		2294	3163
7.033		2528	2955
7.084		1159	735
7.104		1527	1098
7.208		1739	2988
7.266		830	1712
7.299		1709	988
7.358		1194	621
7.435		1165	2040
7.462		979	380
7.607		1372	1045
7.656		1433	794
7.72		810	2438
7.755		1535	803
7.787		1446	964
7.873		1758	1289
7.902		1575	1348
7.976		1115	2740
8.041		1291	2764
8.101		1916	2576
8.166		1454	2512
8.203		1474	945
8.323		1561	546
8.436		1615	2023
8.481		1519	1221
8.566		1590	2632
8.625		1714	745
8.651		7097	28509

LANCASTER LABORATORIES

Sample Number: IBLKX1624B RXPIBLKRX PIBLK1626899999 10736 SW-846 8082
Injected On: 9/25/2016 6:55:12 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.533		1564	1283
1.614		1262	1982
1.758		6999	11135
1.833		7687	21020
1.9		53779	66012
1.969		21052	49895
2.025		18845	21418
2.128		2920	5030
2.182		1345	2714
2.202		5561	5808
2.331		2351	2301
2.383		944	858
2.405		2140	18419
2.514		41977	38938
2.579	TCX	9636357	5658595
2.795		116968	64127
2.817		1337	925
2.91		20973	12466
3.111		1839	2826
3.134		1232	735
3.147		2913	2428
3.251		11425	6358
3.288		31261	19356
3.342		5407	4654
3.372		3907	5879
3.41		2106	1564
3.438		1138	1155
3.516		2185	1860
3.545		2767	2040
3.638		4213	8687
3.672		3309	5084
3.89		19907	26605
4.021		6466	6268
4.075		1000	589
4.096		4465	7539
4.171		5462	15227
4.375		20141	18711
4.436		4824	6847
4.496		2465	2653
4.552		2786	2233
4.597		47313	37490
4.739		1007	3001
4.774		6238	6116
4.84		2443	1900
4.906		4422	4990
4.982		27981	29850
5.029		2371	1750
5.103		97167	87223
5.292		3269	3338
5.445		127412	110591
5.514		154678	135625
5.563		23788	20310
5.761		1283	2291
5.871		53311	50749

5.923		1166	801
6.03	DCB	4303950	4069554
6.161		1942	1277
6.215		2162	4254
6.278		1882	1481
6.439		1552	1297
6.48		2755	2542
7.025		739	1140
7.33		848	582
7.504		1278	3456
7.599		1009	313
7.939		661	623
8.217		1007	1625
8.33		1182	2582
8.381		1006	531

IBLKX1624B RXPIBLKRX PIBLK1626899999 10736 SW-846 8082

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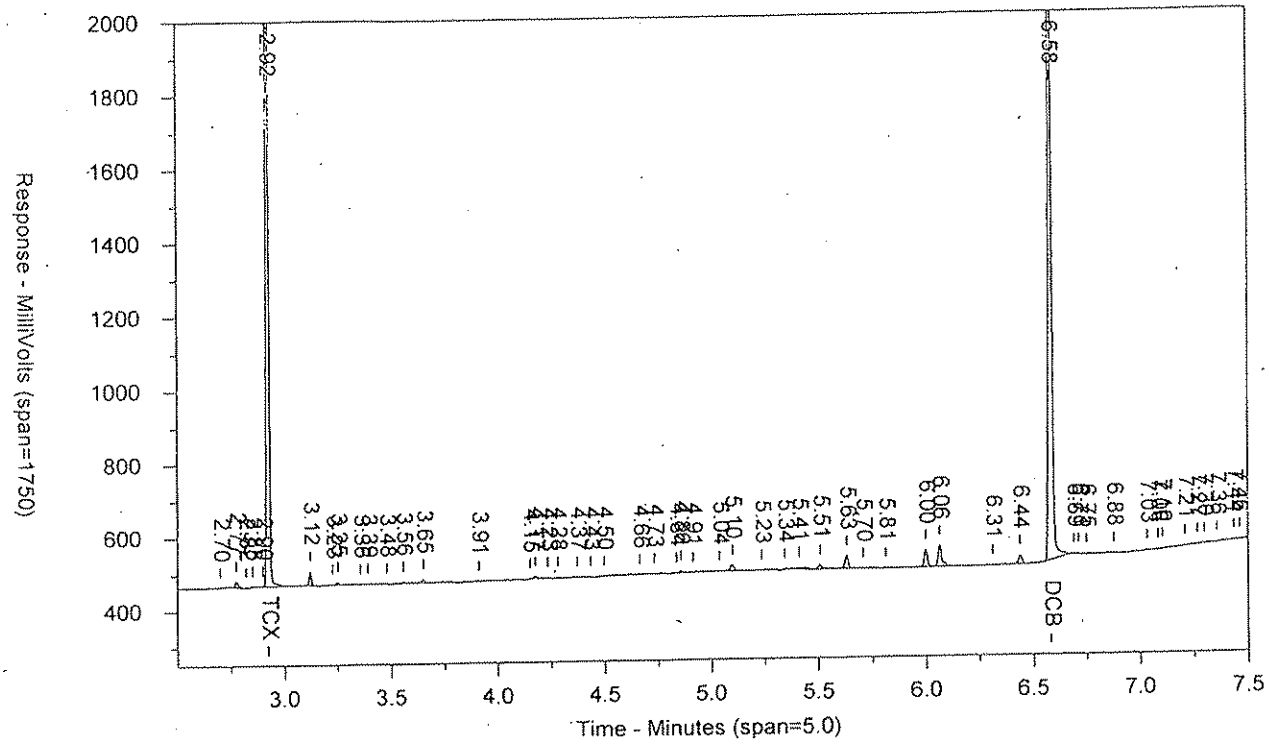

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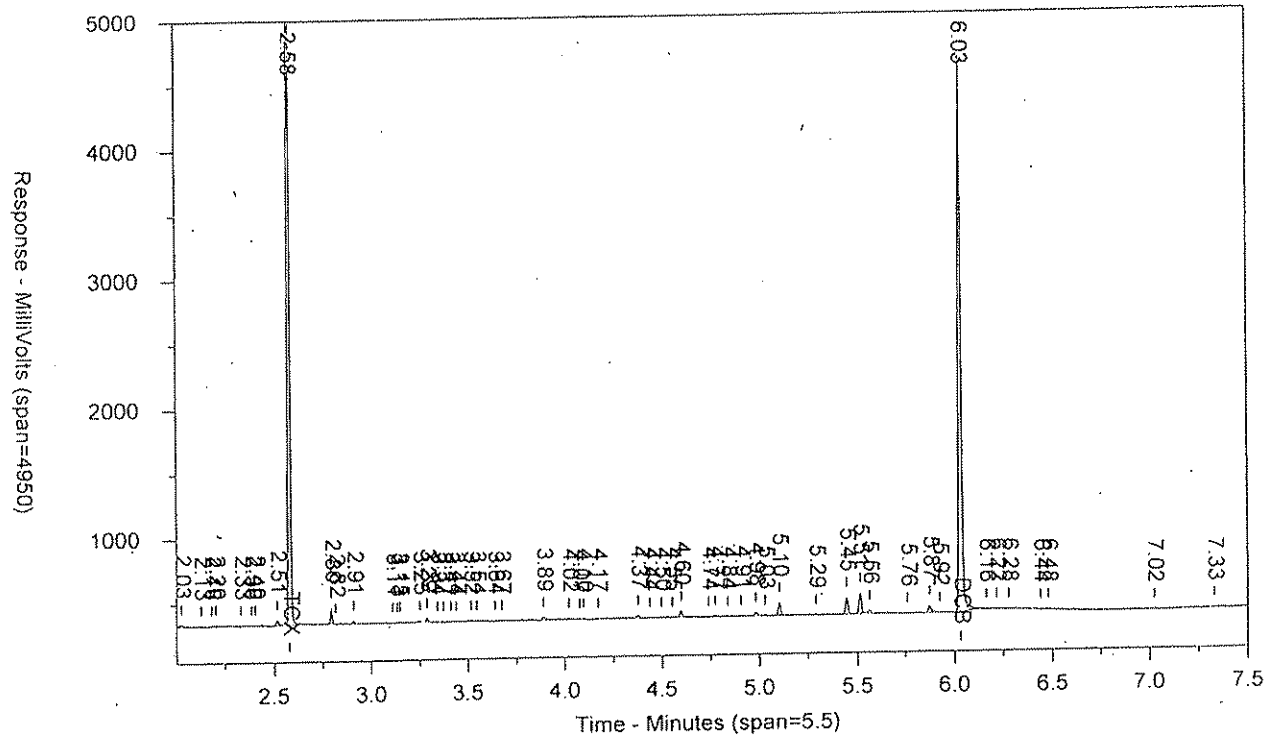

LANCASTER LABORATORIES

Sample Number: IBLKX1624B RXPIBLKRX PIBLK1626899999 10736 SW-846 8082
Injected On: 9/25/2016 6:55:12 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1000
Dilution Factor: 10

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	3176878	.216	TCX	2.579	9636357	.234	TCX
6.58	2066774	.172	DCB	6.03	4303950	.181	DCB

Files:
Area File: 07pcbs16242025.0006.RAW
Area File: 07pcbs16242025B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 7:03:57 PM
File Reported On: 9/25/2016 at 7:04:04 PM

IBLKX1624B RXPIBLKRX PIBLK1626899999 10736 SW-846 8082

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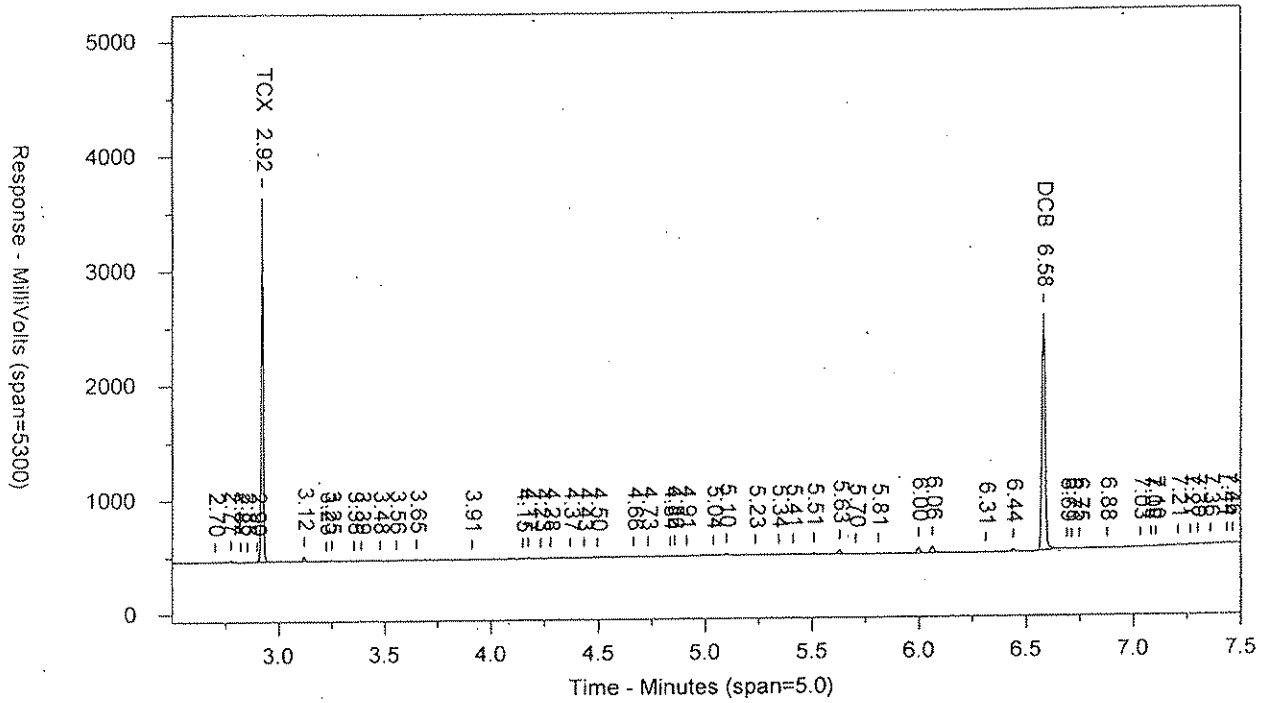

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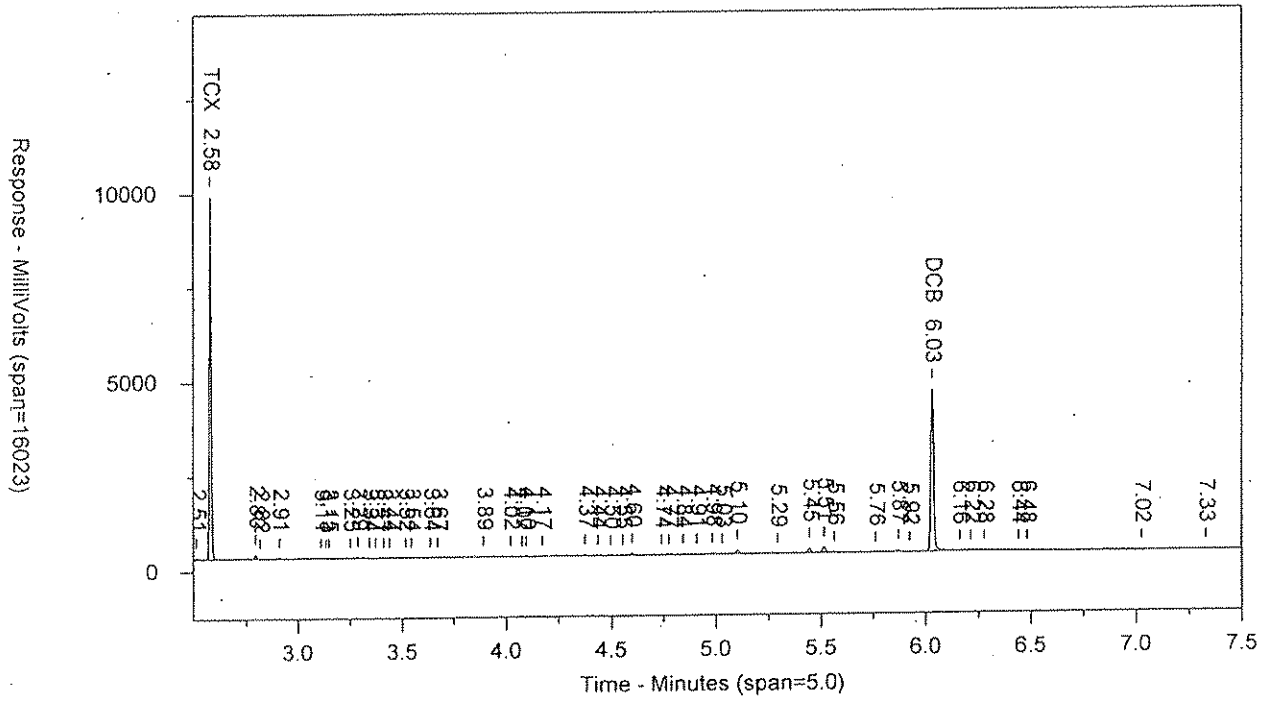

LANCASTER LABORATORIES

Sample Number: AR1631624B GSAR163GS CCAL 1626899999 10736 SW-846 8082
Injected On: 9/25/2016 9:01:06 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.558		2146	7435
1.627		1475	1183
1.735		1046	693
1.815		1463	756
2.013		4853	16771
2.1		9168	15917
2.222		25409	18631
2.312		3569	2141
2.332		9930	7891
2.382		4284	6962
2.44		2847	5178
2.472		1708	2468
2.567		6404	6951
2.654		1479	840
2.738		1748	1739
2.776		4791	5900
2.821		2002	937
2.842		3132	5147
2.921	TCX	5834963	3835915
3.072		82627	69398
3.128		102896	113564
3.176		458762	318532
3.247		10119	5824
3.268		54205	37079
3.387		457139	268105
3.403		197580	108722
3.439		51101	28831
3.455		16463	6769
3.472		38953	22987
3.5		537517	397512
3.534		2378	1172
3.553		4230	2228
3.573		20243	12708
3.608		110903	63880
3.623		52330	25452
3.667		217602	126637
3.677		546227	274420
3.713		632608	474008
3.772		495788	397878
3.811		39367	26408
3.838		342097	255068
3.865		255758	216408
3.886		73180	39199
3.961		361193	272984
3.984		123831	81199
4.014		138671	101204
4.05		358424	376613
4.09		116951	96801
4.135		16596	12810
4.172		22658	20518
4.207		349707	263327
4.227		88760	50294
4.251		93044	69044

RT A	Compound A	Height A	Area A
4.317		52751	45241
4.36		349605	338825
4.394		8436	5412
4.456		3580	3033
4.497		55027	57594
4.553		20974	17436
4.567		81689	56973
4.612		226977	206818
4.657		354787	391465
4.694		78928	57594
4.733		796811	768127
4.776		8767	8085
4.824		119663	137733
4.856		14951	9837
4.88		143504	131680
4.933		970293	1237556
4.982		195732	173956
5.026		464727	523691
5.068		7181	4170
5.105		92996	124383
5.141		1213826	1295308
5.203		589368	552595
5.247		363077	363540
5.369		710764	1003211
5.426		356577	329004
5.466		178469	154381
5.507		55663	53763
5.552		238234	233914
5.608		1740491	1902520
5.813		967472	1038586
5.851		80915	86972
5.864		68771	63231
5.997		90069	92641
6.062		83954	64654
6.083		161518	133017
6.24		450821	444585
6.285		27133	24954
6.362		1897	1897
6.438		146770	155239
6.581	DCB	3892096	4059371
6.75		2077	1975
6.778		2103	3974
6.972		2230	3024
7.039		4477	11690
7.162		821	621
7.179		1229	589
7.251		1513	2468
7.471		1338	7674
7.533		1175	1475
7.627		1305	1303
7.644		1050	721
7.694		1195	1781
7.857		818	968
7.985		1159	3976
8.026		888	783
8.084		1379	1394
8.191		1606	5712
8.226		1514	595
8.336		1939	4121
8.422		1434	1370
8.457		1624	643
8.489		2970	5794
8.553		1472	1866
8.648		3281	4285

LANCASTER LABORATORIES

Sample Number: AR1631624B GSAR163GS CCAL 1626899999 10736 SW-846 8082
Injected On: 9/25/2016 9:01:06 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.699		902	854
1.76		1223	1865
1.835		4551	15762
1.9		72005	65603
1.967		15248	31054
2.025		28575	24886
2.086		1284	1158
2.114		2029	4130
2.177		1860	1912
2.203		6075	7411
2.267		17272	12735
2.329		2577	2583
2.379		1218	1588
2.514		10005	7704
2.536		3077	1648
2.579	TCX	17355230	10319360
2.623		118705	83352
2.668		4736	2679
2.749		285834	182170
2.794		159508	77894
2.809		235403	124682
2.861		1344802	849985
2.909		35302	20554
2.971		182740	112958
3.066		1734540	1660601
3.117		204320	124768
3.138		99824	53545
3.163		138944	77898
3.186		1680631	1104290
3.223		67364	38589
3.25		12460	5744
3.269		403465	213349
3.284		220992	104679
3.309		2191	1059
3.334		607316	348002
3.342		1765925	748832
3.363		56115	18579
3.376		1685724	1108963
3.449		1788685	1123358
3.484		1236892	758330
3.507		1336535	720340
3.524		393045	189273
3.608		1413155	921137
3.63		555063	293262
3.651		527558	307885
3.679		366451	183798
3.696		1176657	719464
3.735		453078	316965
3.782		71582	61040
3.805		290113	173196
3.825		1580754	1023514
3.85		296250	173390
3.869		51826	24344
3.888		198589	124118

3.923		1272379	872384
3.955		59437	32594
3.969		104679	60718
4.016		4337	2469
4.03		10276	6123
4.054		37148	19659
4.062		45056	20889
4.094		8861	4759
4.118		339038	236365
4.159		388513	232744
4.178		271335	137306
4.191		909984	498439
4.216		487378	497711
4.267		2872220	2177320
4.313		34764	36839
4.335		222585	142776
4.359		584341	434195
4.401		3123239	2408735
4.5		2503857	2527949
4.551		362087	286715
4.59		716098	645381
4.625		3199801	2618175
4.657		1585370	1167012
4.695		1091030	834774
4.75		3529	3366
4.791		350196	249698
4.809		31970	14779
4.841		1929725	1581855
4.863		201168	116794
4.913		1067953	958513
4.948		515459	412800
4.979		416969	331870
5.01		110366	68442
5.033		4425991	3810706
5.074		80260	55634
5.104		284697	237458
5.223		46117	29513
5.247		885987	777646
5.29		2742057	3202341
5.446		245636	208607
5.493		39976	26172
5.514		248851	196146
5.563		524567	455530
5.672		1006002	889957
5.704		48102	33485
5.872		346049	329494
6.03	DCB	8067101	7474056
6.173		2487	1453
6.203		2426	1354
6.261		3967	10176
6.323		3500	3518
6.354		4380	4946
6.48		6064	8887
7.323		1646	2977
7.591		1006	881
8.113		1052	1809
8.397		1073	4199

AR1631624B GSAR163GS CCAL 1626899999 10736 SW-846 8082

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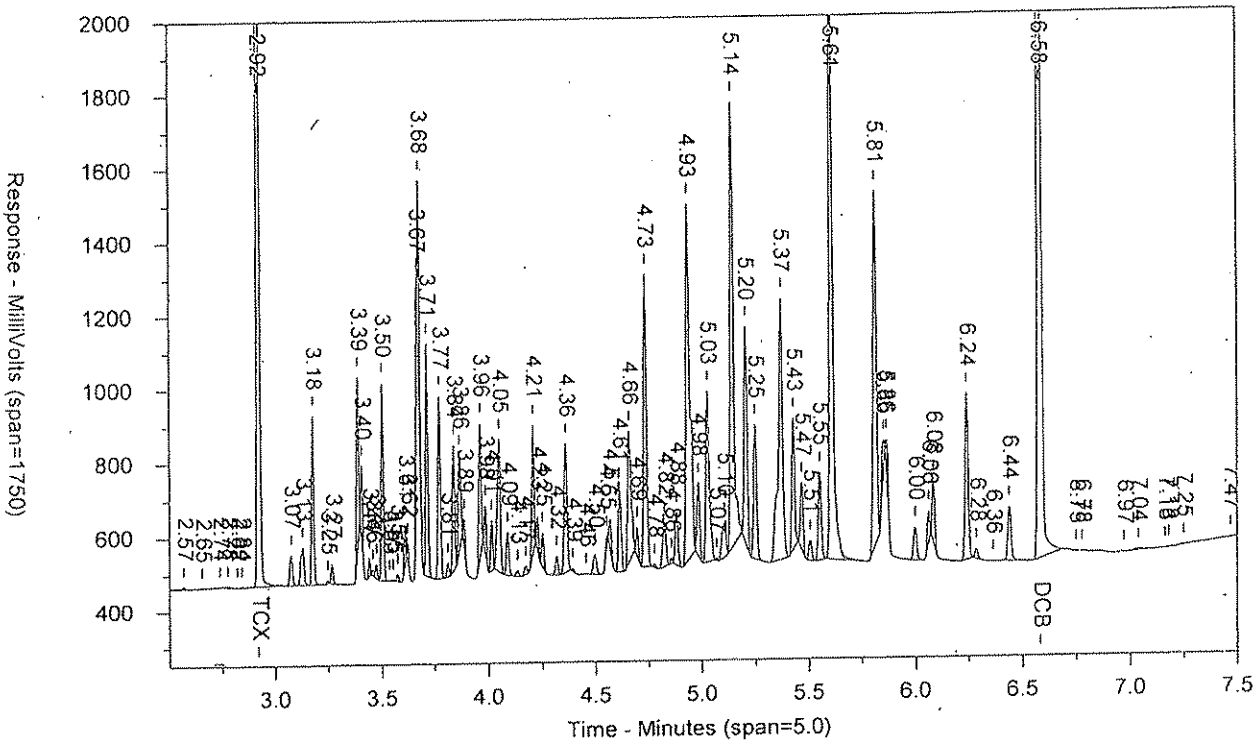

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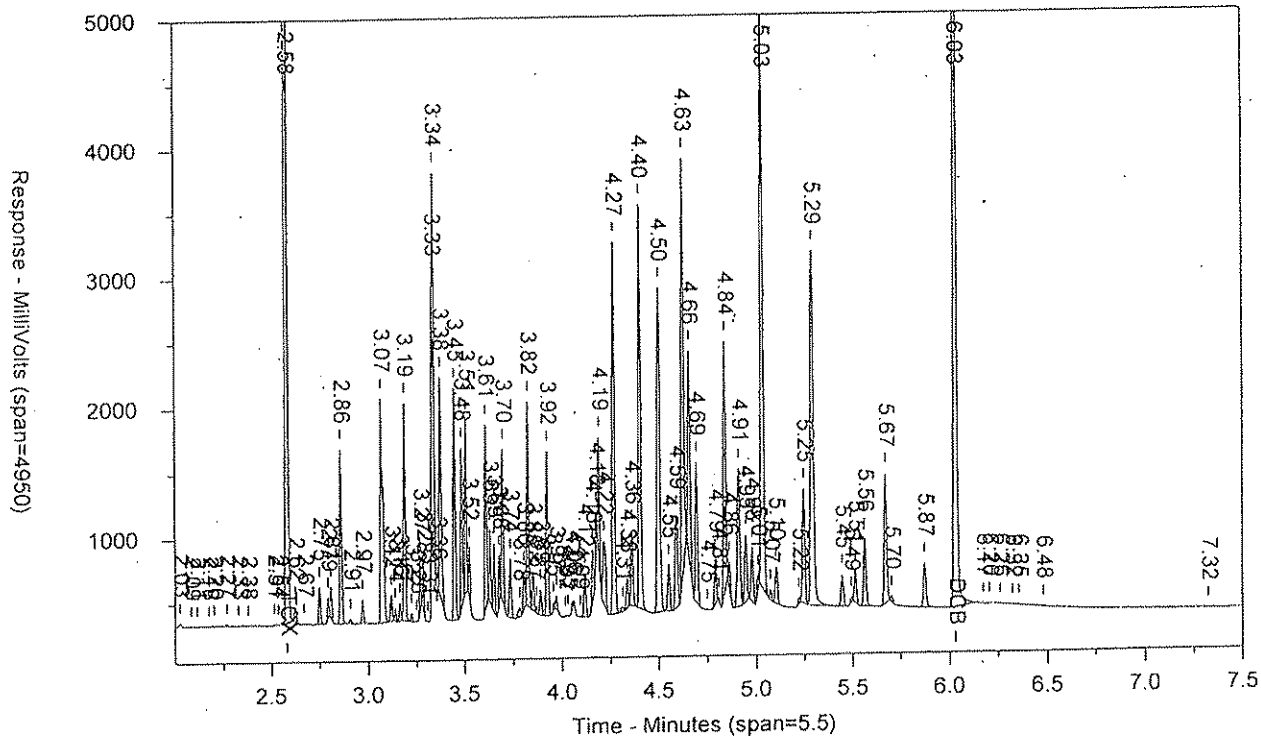

LANCASTER LABORATORIES

Sample Number: AR1631624B GSAR163GS CCAL 1626899999 10736 SW-846 8082
Injected On: 9/25/2016 9:01:06 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 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
2.921	5834963	39.651	TCX	2.579	17355230	42.205	TCX
6.581	3892096	32.421	DCB	6.03	8067101	34.015	DCB

Files:
Area File: 07pcbs16242025.0017.RAW
Area File: 07pcbs16242025B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 9:09:48 PM
File Reported On: 9/25/2016 at 9:09:56 PM

AR1631624B GSAR163GS CCAL 1626899999 10736 SW-846 8082

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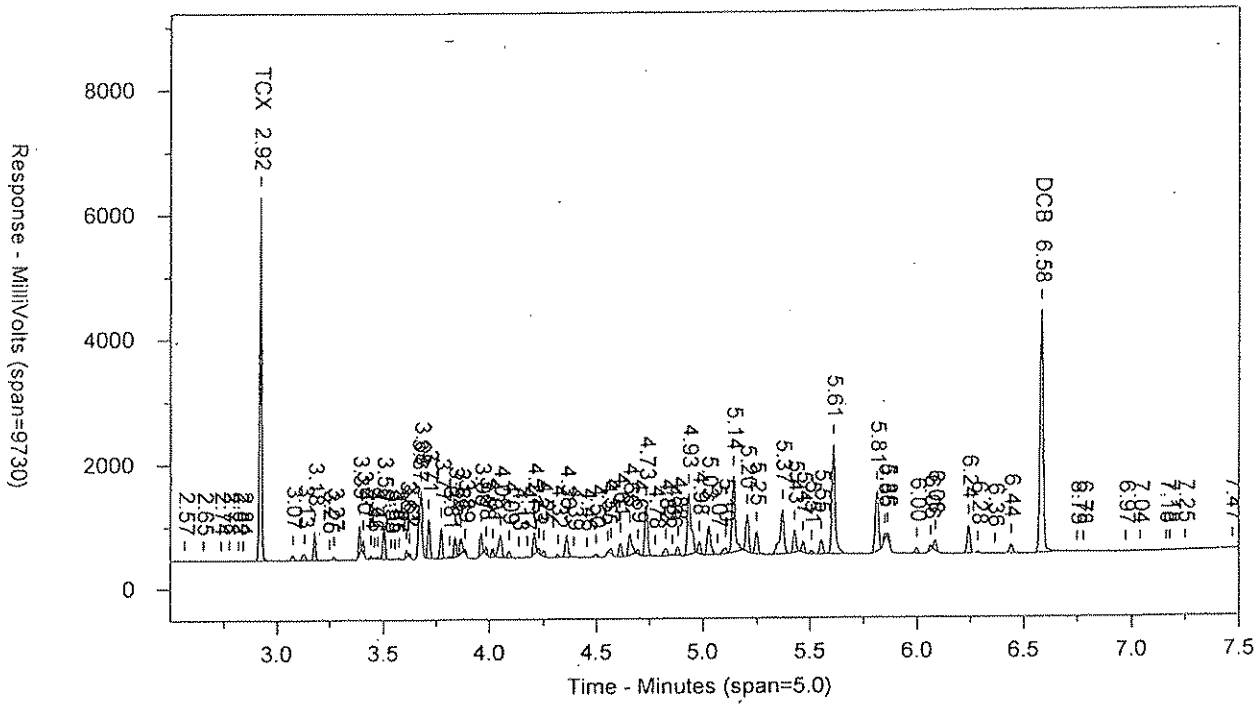

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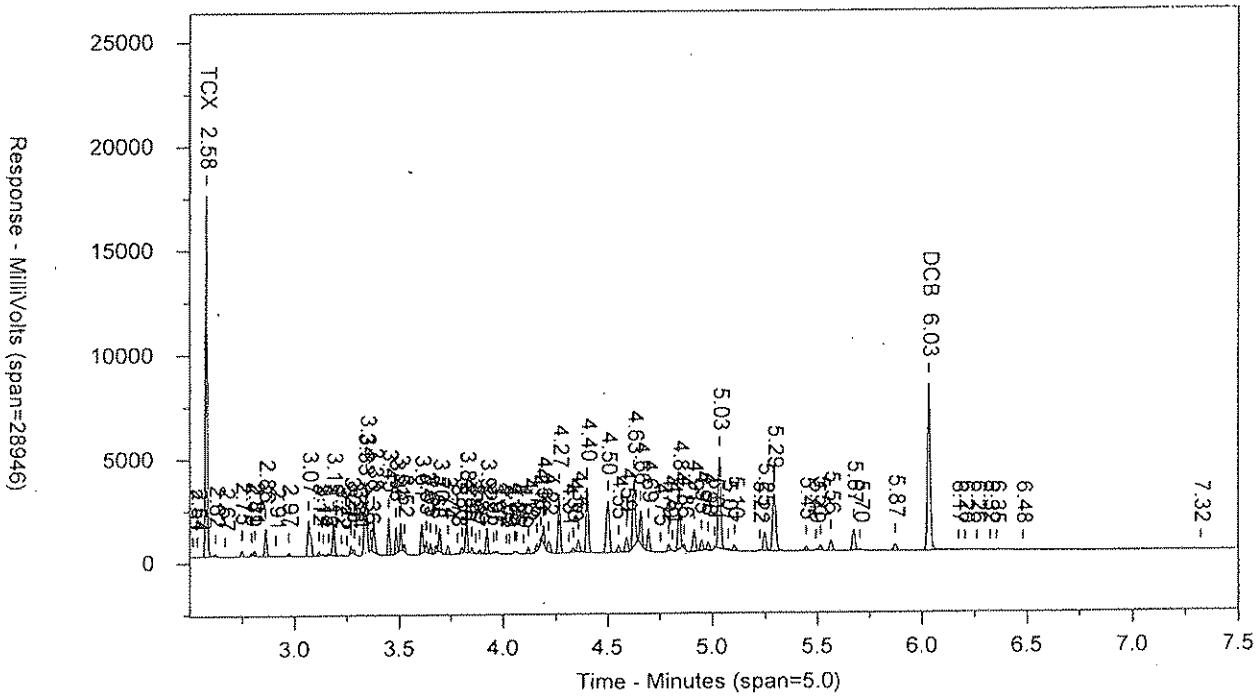

LANCASTER LABORATORIES

Sample Number: IBLKX1624B RYPIBLKRY PIBLK1626899999 10736 SW-846 8082
Injected On: 9/25/2016 9:12:32 PM
Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP7-19843A
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.548		4771	9150
1.578		9833	16877
1.739		1462	1437
1.85		1170	1707
1.876		1200	528
1.999		2203	4340
2.097		15675	28836
2.159		1703	3347
2.223		14728	11334
2.313		20447	14532
2.332		6154	5092
2.376		4006	5186
2.423		2129	3824
2.496		2432	1451
2.569		2278	2038
2.685		1052	639
2.774		39068	33027
2.844		3878	4942
2.921	TCX	3213066	2096447
3.119		39429	27259
3.194		2087	1736
3.248		6599	4340
3.361		1501	1681
3.452		1441	693
3.48		3665	2397
3.503		2318	1561
3.557		4491	2697
3.617		1372	460
3.649		6315	4912
3.747		1809	1231
3.829		1303	694
3.991		1233	1359
4.073		806	1331
4.175		7733	11205
4.278		3976	5653
4.369		2175	3403
4.487		1878	3227
4.627		1345	842
4.839		850	2076
4.854		5937	5232
4.981		1201	924
5.096		15513	16404
5.182		925	591
5.347		1403	987
5.397		1158	410
5.44		3005	3740
5.506		12540	12793
5.627		32477	31960
5.809		2157	2711
5.997		45064	46241
6.061		56027	67194
6.233		1479	1060
6.436		23678	24409

RT A	Compound A	Height A	Area A
6.54		1344	1385
6.579	DCB	2158272	2232934
6.687		2060	1705
6.748		1879	1527
6.793		1101	1985
7.038		1613	2334
7.055		1051	447
7.098		1499	1307
7.132		1672	1076
7.183		1445	983
7.212		1343	868
7.242		1065	958
7.314		1845	1032
7.342		1211	802
7.374		1032	678
7.453		1447	3219
7.538		1879	2897
7.578		1725	2243
7.674		1600	1067
7.69		1480	727
7.804		1376	2938
7.853		1292	818
7.89		1240	475
7.928		1391	1226
7.959		1869	1362
8.038		1532	1393
8.077		1327	577
8.155		821	786
8.233		1051	394
8.369		1595	2754
8.39		1099	1289
8.478		2366	3394
8.564		1617	2001
8.65		13067	51268

LANCASTER LABORATORIES

Sample Number: IBLKX1624B RYPIBLKRY PIBLK1626899999 10736 SW-846 8082
Injected On: 9/25/2016 9:12:32 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.532		2772	2183
1.65		1222	599
1.69		1005	1290
1.757		7741	10926
1.779		8101	12831
1.863		8065	38581
1.898		83100	83418
1.967		26642	59375
2.025		19764	20921
2.128		4169	5103
2.178		808	931
2.204		5970	6903
2.241		1302	1357
2.331		2463	2201
2.38		1241	1248
2.437		1198	839
2.462		3955	3942
2.514		96260	81639
2.579	TCX	9744161	5739464
2.667		1552	1682
2.74		2225	1579
2.794		118525	66717
2.848		1759	2150
2.909		21176	14195
3.03		1175	800
3.074		1893	1713
3.129		1036	283
3.146		7234	5749
3.25		14286	8638
3.287		20691	12883
3.34		3156	3195
3.368		3048	3442
3.41		4947	3402
3.512		3120	2711
3.546		1421	1502
3.63		2205	3880
3.67		3492	8273
3.779		1834	1496
3.833		2075	5147
3.889		19985	23859
4.018		6919	6878
4.053		1267	1005
4.093		3450	4578
4.177		2611	7122
4.262		1158	1043
4.374		18010	16361
4.437		2598	3899
4.498		2722	2757
4.551		2457	2292
4.596		43478	34233
4.656		856	337
4.771		1048	706
4.841		2730	2525
4.905		3979	3779

4.981		27940	25653
5.029		3462	3229
5.103		91594	79703
5.289		3876	4632
5.445		118785	104629
5.514		143251	127407
5.563		21836	18861
5.824		1599	2010
5.871		51452	44737
6.029	DCB	4421441	4156247
6.205		2364	2428
6.262		1310	905
6.351		1307	792
6.481		3303	5681
7.79		713	1197
7.873		1065	973
8.223		526	442
8.524		762	429
8.616		1045	552

IBLKX1624B RYPIBLKRY PIBLK1626899999 10736 SW-846 8082

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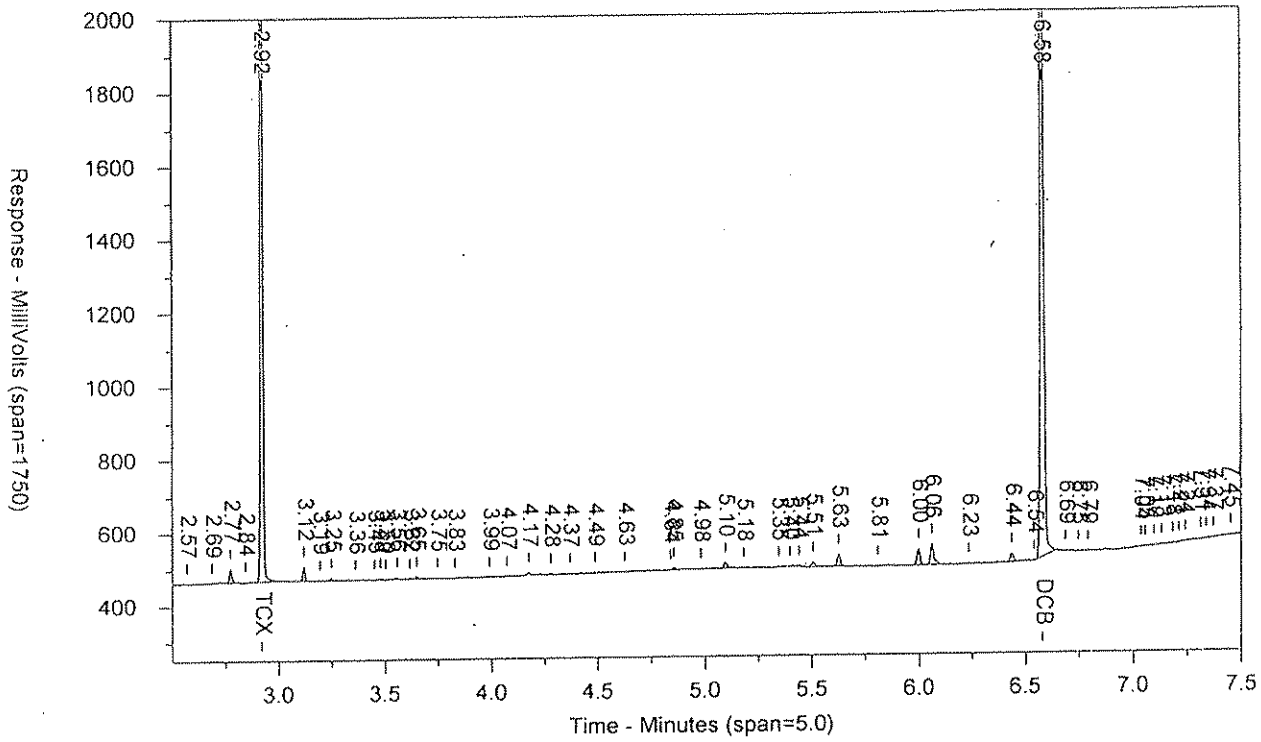

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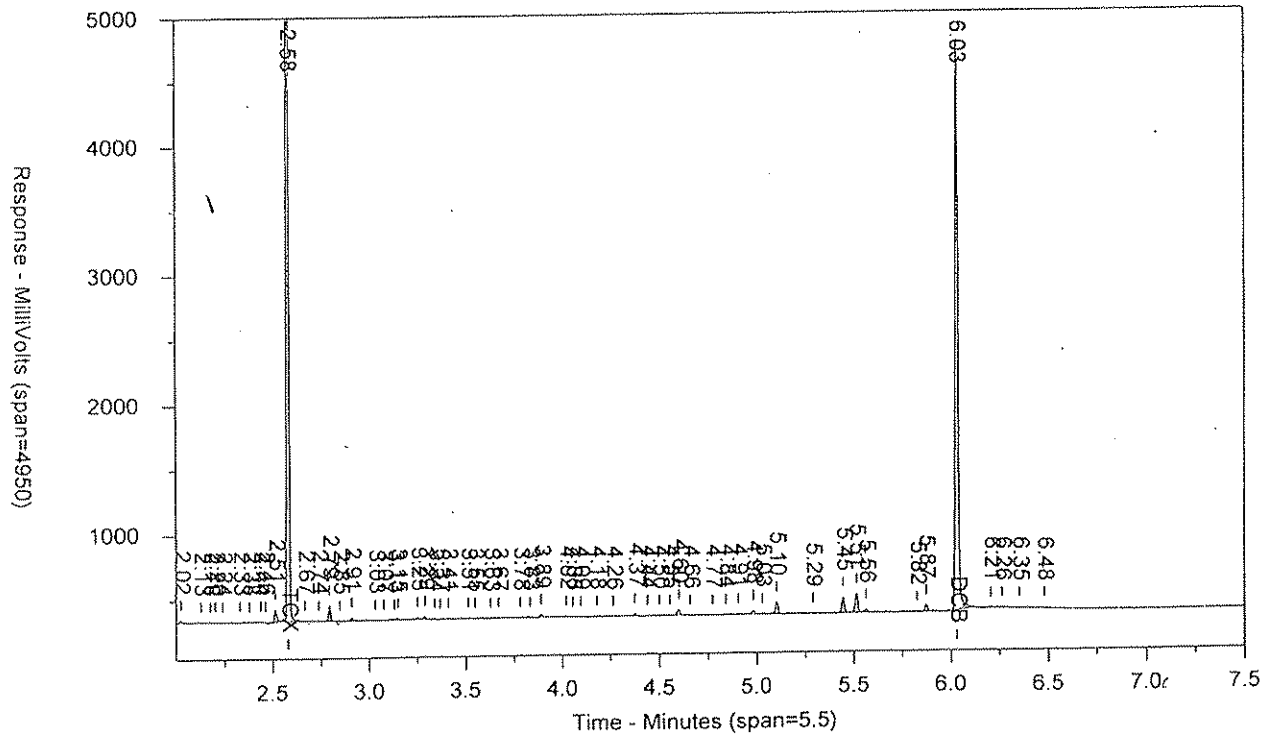

LANCASTER LABORATORIES

Sample Number: IBLKX1624B RYPIBLKRY PIBLK1626899999 10736 SW-846 8082
Injected On: 9/25/2016 9:12:32 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1000
Dilution Factor: 10

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
2.921	3213066	.218	TCX	2.579	9744161	.237	TCX
6.579	2158272	.18	DCB	6.029	4421441	.186	DCB

Files:
Area File: 07pcbs16242025.0018.RAW
Area File: 07pcbs16242025B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 9:21:16 PM
File Reported On: 9/25/2016 at 9:21:26 PM

IBLKX1624B RYPIBLKRY PIBLK1626899999 10736 SW-846 8082

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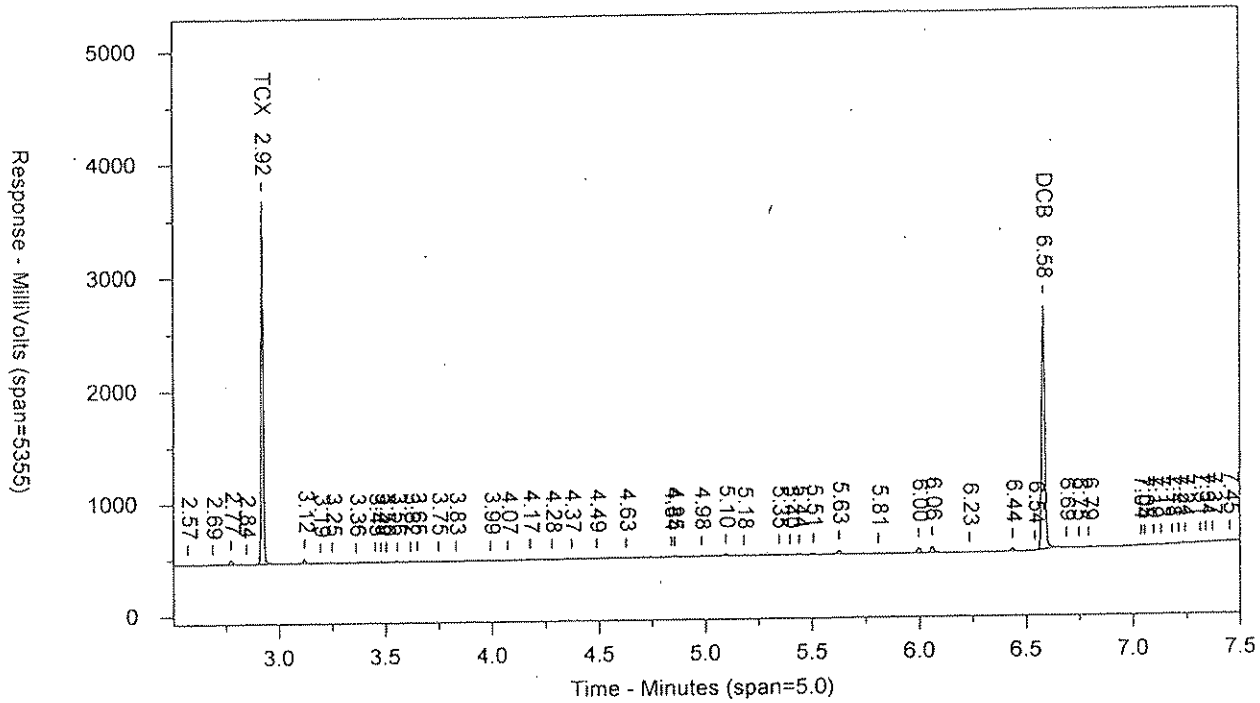

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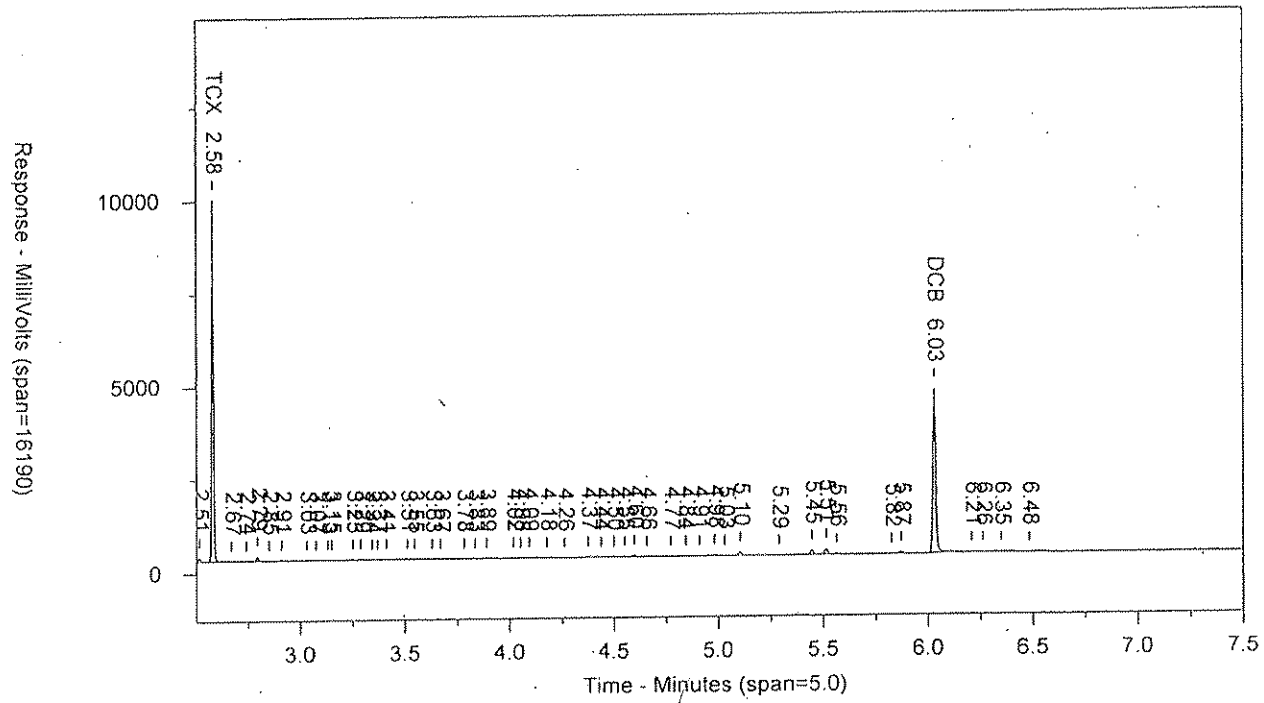

LANCASTER LABORATORIES

Sample Number: AR1631624B GTAR163GT CCAL 1626899999 10736 SW-846 8082
Injected On: 9/25/2016 11:17:48 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.563		6552	12318
1.585		6640	17230
1.754		3861	4973
1.954		1546	842
2.022		6860	16814
2.056		8565	10592
2.097		18091	39278
2.166		7640	17297
2.195		4852	6031
2.223		28235	29714
2.314		15994	13166
2.334		12027	11831
2.379		5070	7621
2.457		2689	8210
2.495		4014	4766
2.567		5794	7197
2.733		4423	7377
2.774		14583	13638
2.841		7347	7839
2.922	TCX	5714323	3789493
3.022		1399	1117
3.072		73191	62366
3.129		99239	110386
3.176		446401	308972
3.248		10379	5968
3.268		54103	35845
3.386		429222	261577
3.403		200956	105154
3.439		49989	29032
3.454		12657	5292
3.471		39982	23201
3.5		536168	386811
3.533		2511	1318
3.554		10823	5952
3.572		15366	8857
3.608		112252	62807
3.621		52122	23966
3.665		226016	125479
3.675		556963	276157
3.711		605397	463126
3.771		496181	392162
3.81		37630	25329
3.836		341047	248341
3.863		250972	206872
3.884		75947	41047
3.959		364768	266046
3.983		120110	81190
4.013		136858	97869
4.049		354325	368199
4.088		115248	94632
4.133		14818	11681
4.172		25206	22765
4.205		351333	255538

RT A	Compound A	Height A	Area A
4.225		82943	46998
4.25		94721	68957
4.316		50800	44443
4.359		339882	329020
4.392		5973	3460
4.459		2119	1586
4.497		28083	27503
4.551		19098	14944
4.564		81144	58811
4.611		217314	200546
4.656		342334	385941
4.693		72384	53588
4.732		779373	748789
4.824		115515	137044
4.853		7648	4577
4.879		143350	137094
4.931		923140	1219177
4.98		188142	167407
5.025		448757	512240
5.067		4901	2527
5.104		89002	108307
5.14		1148804	1070373
5.162		36606	17428
5.202		586333	549781
5.246		373287	355335
5.367		744217	984504
5.426		346312	329597
5.465		177073	153731
5.506		37508	37635
5.55		245044	234730
5.606		1750444	1838675
5.812		984979	1047671
5.851		80926	88144
5.865		113371	77004
5.996		45237	45739
6.06		40876	30415
6.083		169959	146172
6.238		448067	448813
6.283		28844	29459
6.365		1992	1655
6.435		138079	140416
6.515		974	365
6.578	DCB	4092812	4202940
6.729		1880	1128
6.779		625	1616
6.793		3194	3260
6.969		1735	1848
7.034		2682	3407
7.076		10233	25887
7.265		7657	16084
7.418		1393	1667
7.523		1224	873
7.64		998	6031
7.683		1343	788
7.734		1272	1212
7.793		1591	787
7.84		1345	1493
7.869		1226	434
7.936		1075	701
8.045		1140	1269
8.063		1844	1326
8.101		1067	446
8.175		1024	253
8.254		1387	1303
8.309		1265	1413
8.388		1808	6525

RT A	Compound A	Height A	Area A
8.476		3869	6506
8.576		1242	2140
8.645		5716	8695

LANCASTER LABORATORIES

Sample Number: AR1631624B GTAR163GT CCAL 1626899999 10736 SW-846 8082
Injected On: 9/25/2016 11:17:48 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.679		1803	2687
1.762		11585	34662
1.87		12001	54914
1.9		94914	110651
1.969		26072	61056
2.026		28680	29217
2.086		1266	1284
2.127		2005	2103
2.175		1461	1006
2.202		6282	6867
2.243		899	721
2.268		16717	13562
2.331		5667	5469
2.38		2305	1687
2.409		4696	5529
2.514		39062	40020
2.579	TCX	16924800	10049390
2.623		115980	83019
2.669		6450	4597
2.722		2360	1465
2.749		253738	162486
2.777		1482	609
2.795		154748	75920
2.81		240213	125320
2.861		1311947	821704
2.909		37268	20143
2.971		176766	108099
3.067		1699738	1608144
3.117		197058	120952
3.138		87881	47680
3.163		142875	77778
3.187		1661475	1061759
3.223		53500	29664
3.25		36103	17159
3.269		402924	206225
3.284		238439	118280
3.31		2754	1302
3.333		744213	361600
3.342		1663986	708030
3.362		45273	17759
3.375		1586504	1086984
3.448		1759498	1090894
3.483		1188832	737581
3.506		1290545	689583
3.523		385471	187831
3.607		1369801	885803
3.629		541577	284972
3.649		492161	287074
3.677		320893	162854
3.694		1161434	709425
3.734		431509	301532
3.781		54570	44692
3.803		306858	180312
3.824		1569514	990417

3.848		318308	178982
3.867		49467	23288
3.887		199415	125781
3.921		1222162	833318
3.954		50550	27386
3.968		84135	53449
4.016		2787	1774
4.028		6471	3535
4.061		83185	71826
4.117		314476	219849
4.157		366322	217071
4.175		299094	136926
4.189		886756	495225
4.214		478017	475592
4.265		2747426	2058598
4.312		29476	23030
4.333		234600	153913
4.357		556516	425769
4.399		2971700	2346932
4.498		2345584	2394624
4.55		306797	258325
4.588		691511	592913
4.622		3173875	2638854
4.655		1571176	1132462
4.693		999885	808799
4.76		2635	2690
4.789		330133	235248
4.806		39484	18274
4.839		1906585	1512682
4.861		213277	123464
4.911		1042673	921636
4.946		488739	402011
4.977		376880	299316
5.008		164188	95776
5.031		4456482	3764431
5.072		85299	63936
5.102		181146	145299
5.221		47399	28326
5.245		862698	734601
5.289		2700281	3007819
5.444		115144	102279
5.491		59603	42762
5.512		93709	67973
5.561		454017	392181
5.67		1005235	870892
5.702		55919	41785
5.822		1874	1732
5.87		308667	285311
5.992		943	411
6.028	DCB	7478065	6944126
6.152		8901	21644
6.203		3592	4169
6.26		1457	456
6.399		1863	2029
6.48		8975	12414
6.608		2104	2922
6.802		4329	9714
6.889		1960	2365
6.977		5697	15279
7.171		6574	29874
7.423		1357	1500
7.49		4128	9373
7.547		1402	1502
7.747		1487	1687
7.887		2615	7305
7.99		3003	7926
8.081		1122	3443

8.156	1212	684
8.334	12623	35175
8.538	17897	88022

AR1631624B GTAR163GT CCAL 1626899999 10736 SW-846 8082

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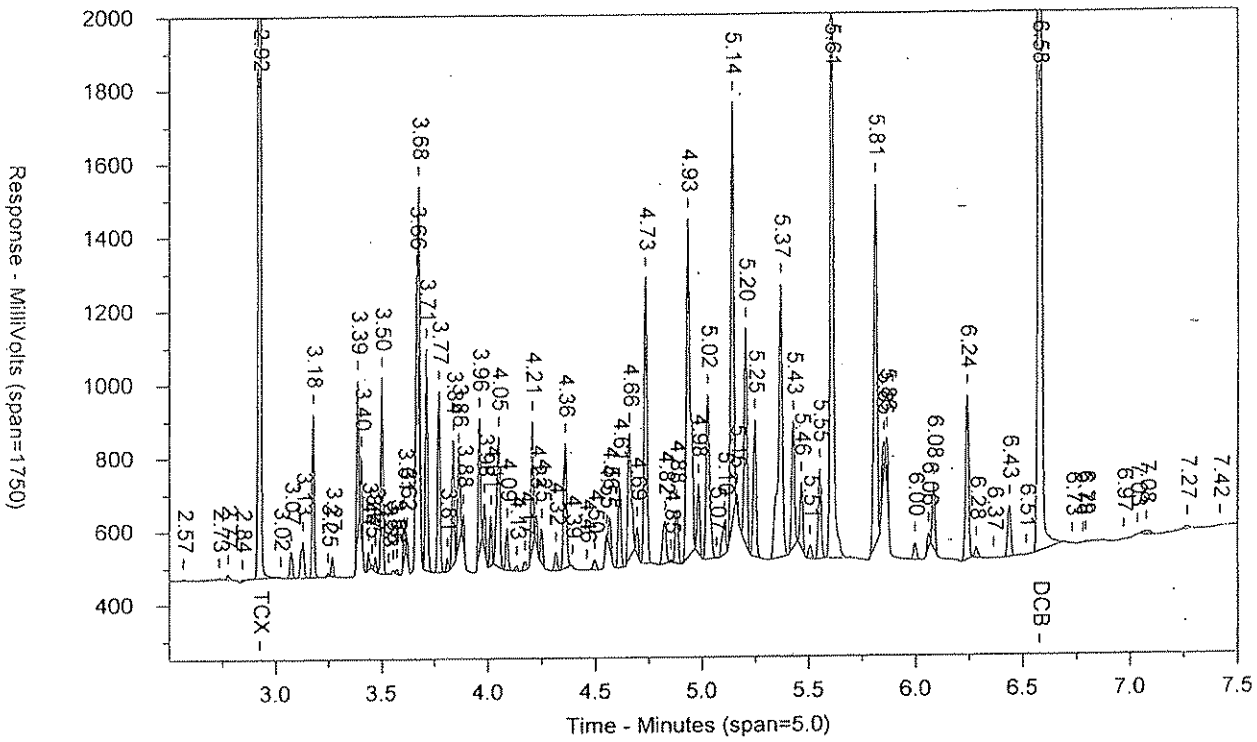

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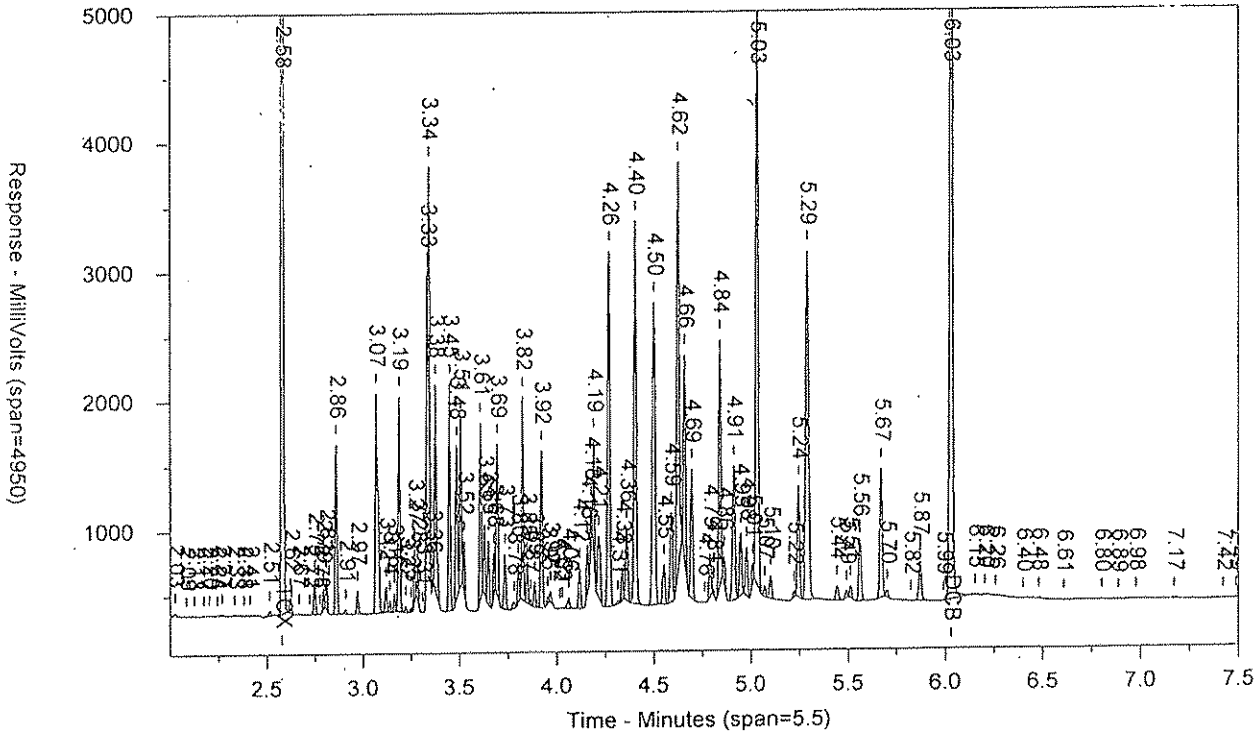

LANCASTER LABORATORIES

Sample Number: AR1631624B GTAR163GT CCAL 1626899999 10736 SW-846 8082
Injected On: 9/25/2016 11:17:48 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 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	5714323	38.831	TCX	2.579	16924800	41.158	TCX
6.578	4092812	34.093	DCB	6.028	7478065	31.532	DCB

Files:
Area File: 07pcbs16242025.0029.RAW
Area File: 07pcbs16242025B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 11:26:30 PM
File Reported On: 9/25/2016 at 11:26:36 PM

AR1631624B GTAR163GT CCAL 1626899999 10736 SW-846 8082

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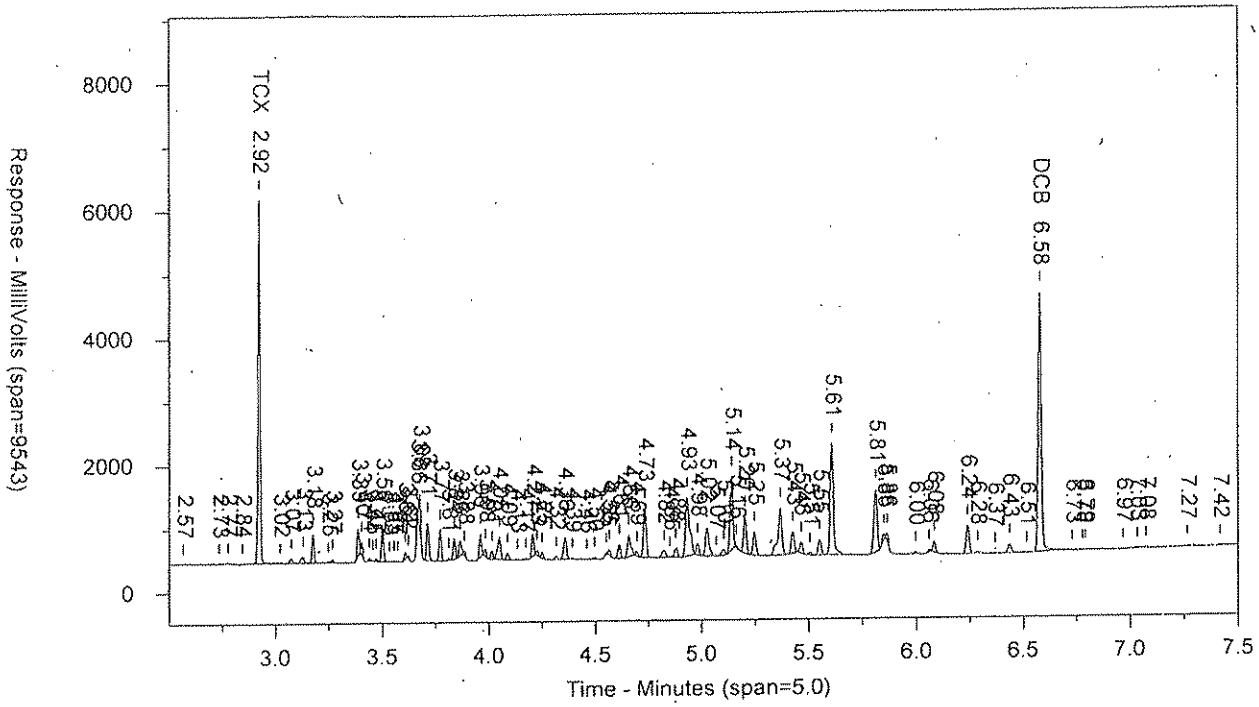

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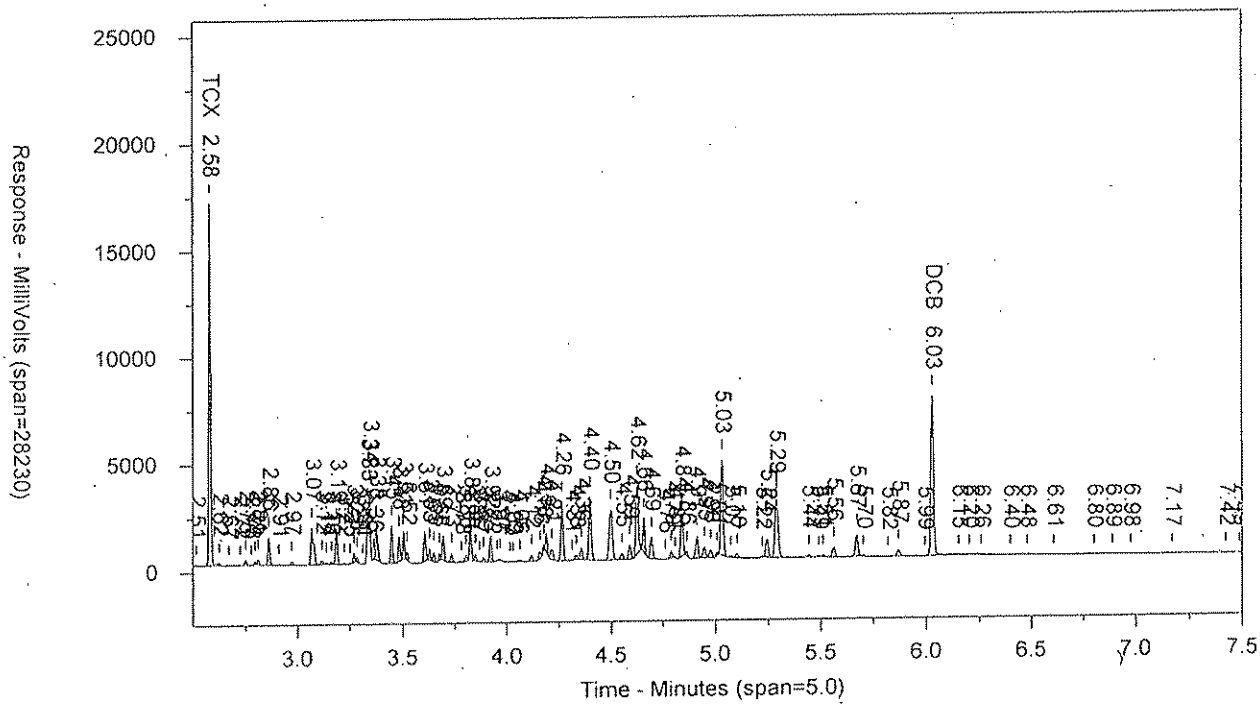

LANCASTER LABORATORIES

Sample Number: IBLKX1624B RZPIBLKRZ PIBLK1626899999 10736 SW-846 8082
Injected On: 9/25/2016 11:29:14 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.576		11434	33966
1.654		2115	1845
2.039		13313	41116
2.098		28085	73377
2.16		16912	54398
2.222		19325	17357
2.314		7302	5072
2.332		5178	4030
2.379		4248	5236
2.427		1298	915
2.494		4135	5529
2.66		1205	1030
2.738		1916	3841
2.773		5357	3787
2.816		2350	1407
2.866		1752	4100
2.921	TCX	3212215	2084882
3.119		40241	28817
3.186		2279	2574
3.248		6745	4309
3.312		1363	975
3.466		1645	1053
3.525		1808	2337
3.554		5566	4910
3.651		6988	7394
3.72		1957	2773
3.828		1032	931
3.923		1255	2419
4.172		11023	15861
4.279		4234	6502
4.367		2963	7030
4.522		1050	4744
4.579		1575	650
4.771		1659	1449
4.833		938	1948
4.897		1892	1958
5.019		2275	4655
5.093		3633	3493
5.172		2535	3251
5.36		1907	4146
5.438		5025	12525
5.504		2864	3289
5.574		1404	609
5.626		8910	8762
5.836		1278	804
5.894		1251	480
5.997		18710	19270
6.061		20396	23177
6.15		1292	4587
6.284		948	1062
6.357		877	1566
6.434		17123	17964
6.577	DCB	2197185	2384834

RT A	Compound A	Height A	Area A
6.686		2509	2507
6.732		1694	719
6.806		1346	1821
6.879		2153	1673
6.935		978	483
7.058		1198	9703
7.102		1811	1019
7.182		1307	1249
7.299		978	2459
7.344		1332	1076
7.444		1419	986
7.518		1438	2245
7.636		2056	2124
7.71		1503	3196
7.767		955	1723
7.784		1587	930
7.821		1773	2640
7.883		1263	2140
7.993		1705	5071
8.039		862	1513
8.13		1414	650
8.152		1799	2359
8.193		1323	598
8.217		1135	470
8.247		1564	2006
8.327		1738	2785
8.351		1417	1180
8.481		4007	5866
8.648		14265	50273

LANCASTER LABORATORIES

Sample Number: IBLKX1624B RZPIBLKRZ PIBLK1626899999 10736 SW-846 8082
Injected On: 9/25/2016 11:29:14 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.53		1991	4141
1.671		1469	2243
1.775		24129	74606
1.838		22179	74482
1.899		64440	96446
1.966		31145	79461
2.025		21403	24776
2.2		7264	9786
2.259		3814	9040
2.329		7971	7967
2.353		2976	2370
2.382		1199	595
2.41		1916	1595
2.484		1695	774
2.514		12976	11172
2.558	TCX	1356	651
2.579		9169955	5645450
2.721		1673	879
2.739		2194	1214
2.794		114570	66601
2.875		1111	422
2.909		21059	12164
3.034		1103	688
3.055		686	460
3.101		2177	2530
3.148		1197	1415
3.197		1339	1106
3.25		17011	9980
3.287		19126	12514
3.367		4282	4984
3.41		1459	1344
3.513		3597	2832
3.544		2117	3467
3.64		5067	8597
3.668		3645	3065
3.719		2318	3325
3.78		2189	2226
3.887		28662	29060
4.017		8366	7181
4.094		3457	8671
4.167		8177	17777
4.303		1166	992
4.358		1096	721
4.372		3109	3073
4.42		1548	1425
4.457		1368	1217
4.577		1418	1078
4.594		8800	5874
4.62		1796	1804
4.661		3640	4861
4.719		1056	1429
4.772		2151	2161
4.84		1979	1597
4.904		3221	4155

4.955		1266	691
4.98		5154	3763
5.033		1602	1132
5.102		23071	21899
5.284		1499	1576
5.368		1520	1169
5.398		1956	2025
5.445		49435	43118
5.513		51979	47476
5.561		5397	3937
5.614		866	944
5.67		971	943
5.759		1096	1090
5.797		1640	797
5.87		39498	32965
5.901		1865	1477
6.028	DCB	4757505	4084236
6.133		1774	1035
6.17		1283	494
6.22		4507	7904
6.244		1188	596
6.35		2565	1715
6.393		1699	1767
6.451		1122	599
6.479		5643	6615
6.547		2849	4955
6.593		3290	7142
6.682		1818	2899
6.81		3359	7868
6.892		1875	2114
6.979		1714	4915
7.118		1758	2042
7.187		2911	5207
7.275		1181	1108
7.344		1037	424
7.432		1976	2853
7.783		1338	2958
7.811		1031	786
8		1564	2496
8.066		1098	905
8.173		1156	636
8.275		1021	412
8.33		6791	17914
8.536		7940	29803

IBLKX1624B RZPIBLKRZ PIBLK1626899999 10736 SW-846 8082

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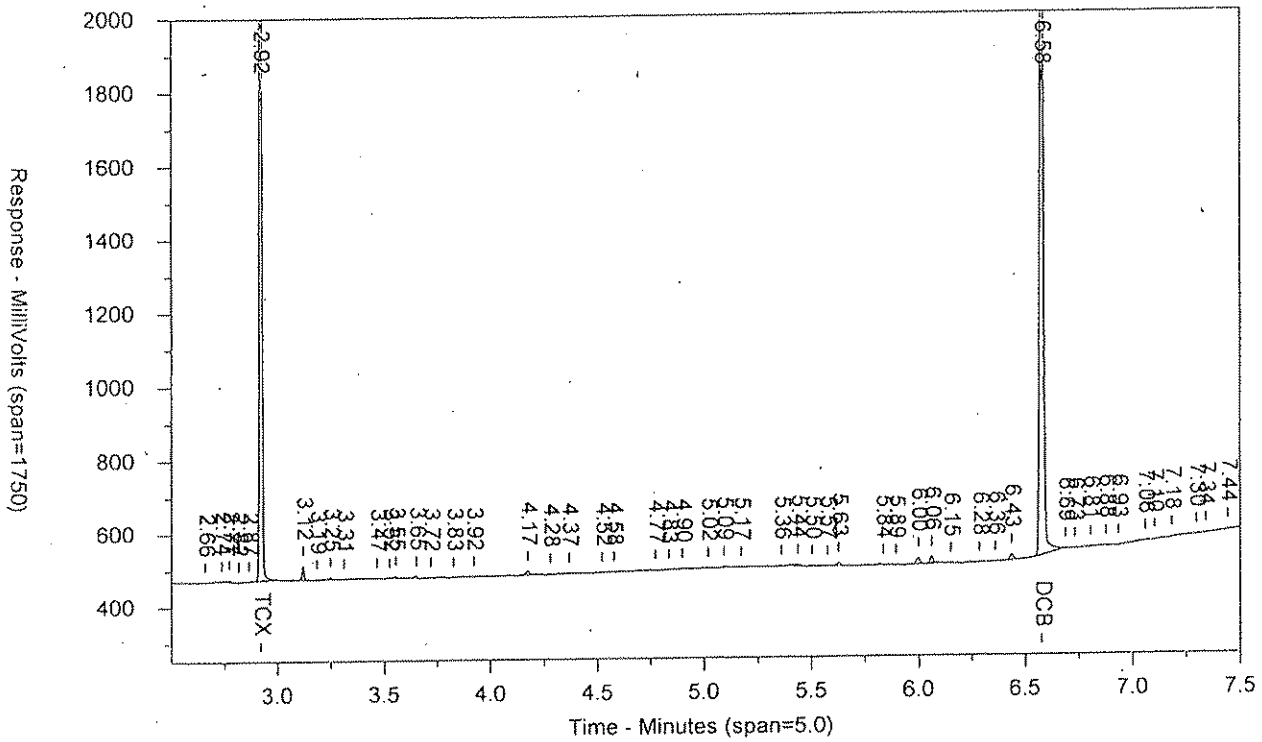

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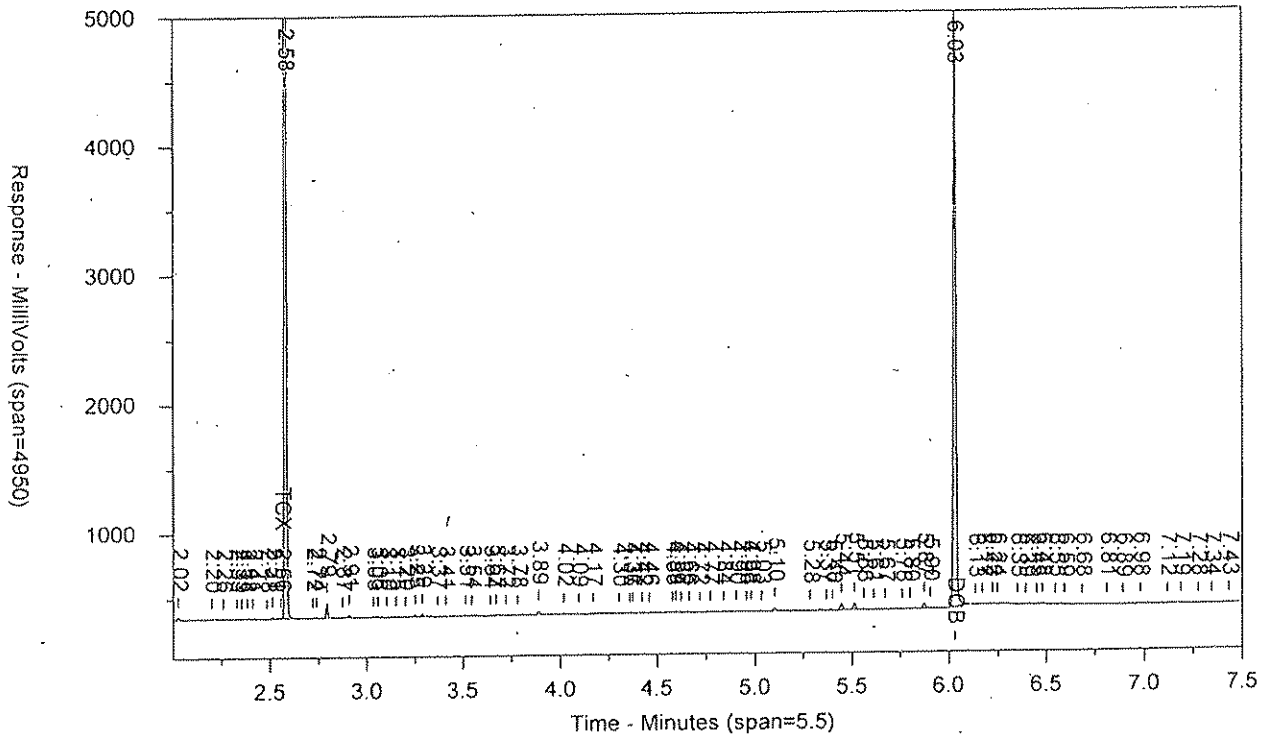

LANCASTER LABORATORIES

Sample Number: IBLKX1624B RZPIBLKRZ PIBLK1626899999 10736 SW-846 8082
Injected On: 9/25/2016 11:29:14 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 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
2.921	3212215	.218	TCX	2.558	1356		TCX
6.577	2197185	.183	DCB	6.028	4757505	.201	DCB

Files:
Area File: 07pcbs16242025.0030.RAW
Area File: 07pcbs16242025B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 11:37:58 PM
File Reported On: 9/25/2016 at 11:38:06 PM

IBLKX1624B RZPIBLKRZ PIBLK1626899999 10736 SW-846 8082

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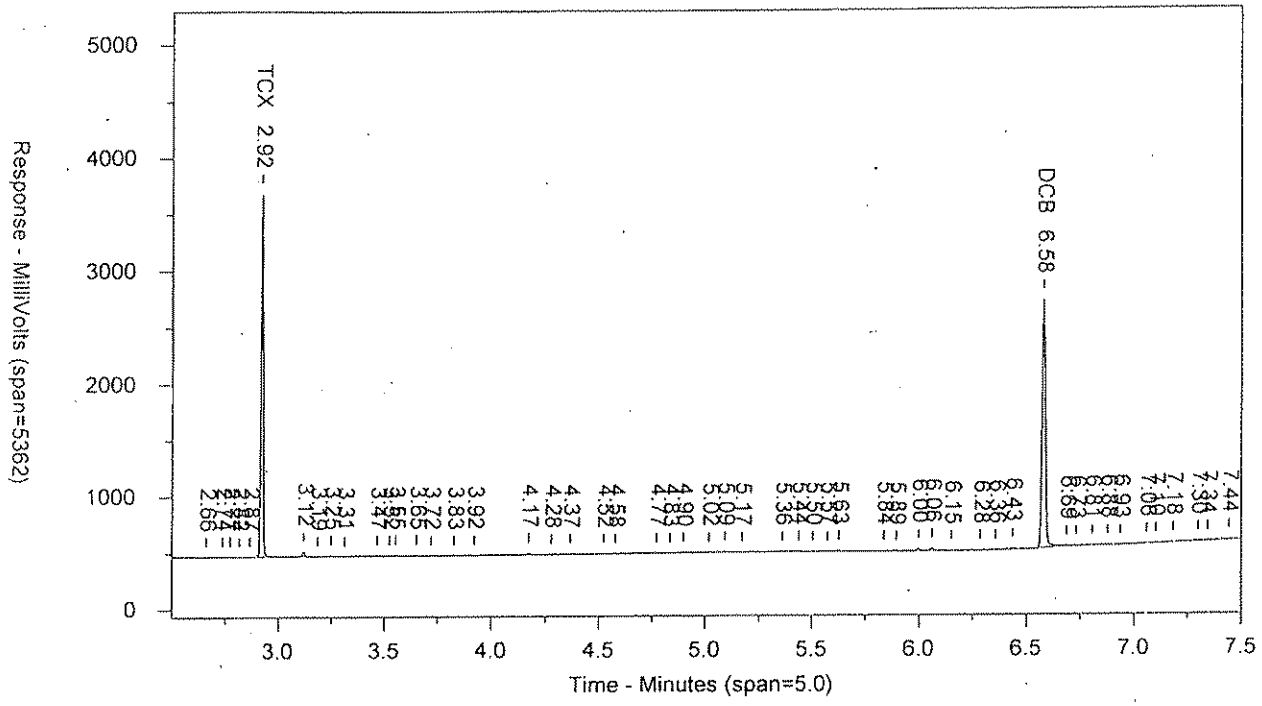

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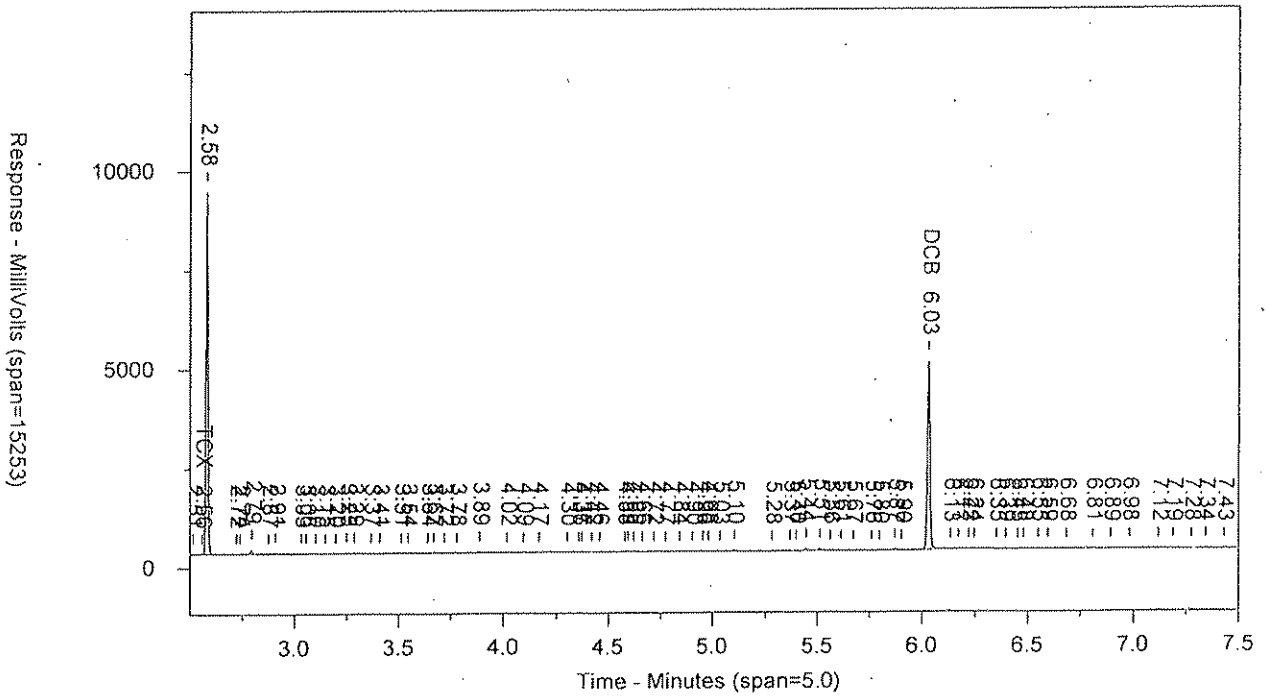

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 9/24/16 ACF PBLK01268 BLK Sample ID: AB **Batchnumber: 162680001A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 19:29:30
Instrument	19843A
Result file	07PCBS16242025.0009.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

%SSR(TCX) 108% (46 - 148) Conc: 31.60678

%SSR(DCB) 94% (49 - 139) Conc: 27.37598

Analysis Report (B)

Injected on	Sep 25, 2016 19:29:30
Instrument	19843B
Result file	07PCBS16242025B.0009.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

%SSR(TCX) 112% (46 - 148) Conc: 32.80909

%SSR(DCB) 95% (49 - 139) Conc: 27.89882

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.92	2.94	4651210	31.60678	Tetrachloro-m-xylene	2.55	2.58	2.61	13491650	32.80909
Decachlorobiphenyl	6.56	6.58	6.62	3286449	27.37598	Decachlorobiphenyl	6.00	6.03	6.06	6616500	27.89882

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	32.80909				3.73	
☐ Decachlorobiphenyl	B	27.89882				1.89	

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: SEP 26 2016

Verified by:

Date: SEP 26 2016

9/26/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 9/24/16 ACF PBLK01268Sample ID: AB **Batchnumber: 162680001A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 19:29:30
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0009.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 108% (46-148) Conc.: 31.60878
%SSR(DCB) : 94% (49-139) Conc.: 27.37598

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	39.52	
3.15	3.19	3.19	3592.334	1.534326			1
3.36	3.39	3.40	2258.327	0.971846			2
3.69	3.72	3.73	1878.832	0.555269			4
3.75	3.77	3.79	3758.47	1.383344			5
3.94	3.96	3.98	1516.189	0.764213			6
Height Summation:			13004.152				
Amount Avg CF:			1.0418	Linear:			
Aroclor-1221					2	120.19	
3.05	3.07	3.09	735.0266	0.613665			1
3.10	3.12	3.14	7605.871	7.560132			2
Height Summation:			8340.8976				
Amount Avg CF:			4.086899	Linear:			
Aroclor-1232					5	42.26	
3.15	3.19	3.19	3592.334	1.188676			1
3.36	3.39	3.40	2258.327	1.963165			2
3.69	3.72	3.73	1878.832	1.083928			4
3.75	3.77	3.79	3758.47	2.982889			5
3.94	3.96	3.98	1516.189	1.778333			6
Height Summation:			13004.152				
Amount Avg CF:			1.799398	Linear:			
Aroclor-1242					5	39.82	
3.15	3.19	3.19	3592.334	2.02782			1
3.36	3.39	3.40	2258.327	1.301491			2
3.69	3.72	3.73	1878.832	0.74073			4
3.75	3.77	3.79	3758.47	1.954041			5
3.94	3.96	3.98	1516.189	1.047403			6
Height Summation:			13004.152				
Amount Avg CF:			1.414297	Linear:			
Aroclor-1248					5	72.85	
3.75	3.77	3.79	3758.47	2.53781			1
3.94	3.96	3.98	1516.189	0.535808			3
4.03	4.04	4.07	1213.393	0.528592			4
4.21	4.21	4.25	1900.401	0.762104			5
4.59	4.62	4.63	3196.674	1.701579			6
Height Summation:			11585.127				
Amount Avg CF:			1.213178	Linear:			
Aroclor-1254					6	23.01	
4.19	4.21	4.23	1900.401	0.659755			1
4.53	4.55	4.57	2459.276	0.812746			2
4.60	4.62	4.64	3196.674	0.516709			3
4.72	4.73	4.76	1098.604	0.573276			4
4.81	4.83	4.85	3169.2	0.723415			5
5.01	5.02	5.05	3391.791	0.961641			6
Height Summation:			15215.946				
Amount Avg CF:			0.707924	Linear:			
Aroclor-1260					5	116.30	
4.72	4.73	4.76	1098.604	0.241389			1
5.01	5.02	5.05	3391.791	1.312997			2
5.19	5.21	5.23	2071.878	0.648682			3
5.59	5.63	5.63	47909.25	4.852774			5
5.80	5.81	5.84	5461.562	0.94303			6
Height Summation:			59933.085				
Amount Avg CF:			1.599774	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 19:29:30
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0009.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 112% (46-148) Conc.: 32.80909
%SSR(DCB) : 95% (49-139) Conc.: 27.89882

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	86.33	
2.83	2.86	2.87	5994.812	0.920732			1
3.16	3.19	3.20	1477.405	0.182701			2
3.35	3.38	3.39	1342.167	0.163665			3
3.42	3.45	3.46	1827.569	0.20453			4
3.58	3.61	3.62	2209.402	0.30975			5
3.67	3.70	3.71	1473.77	0.238895			6
+ 3.67	3.71	3.71	1415.415	0.229436			6
Height Summation:			14325.125				
Amount Avg CF:			0.336712	Linear:			
Aroclor-1221					2	13.87	
2.72	2.73	2.76	2964.712	0.784442			1
2.83	2.86	2.87	5994.812	0.644347			3
Height Summation:			8959.524				
Amount Avg CF:			0.714394	Linear:			
Aroclor-1232					6	32.71	
2.83	2.86	2.87	5994.812	0.699566			1
3.16	3.19	3.20	1477.405	0.361768			2
3.35	3.38	3.39	1342.167	0.329124			3
3.42	3.45	3.46	1827.569	0.446121			4
3.58	3.61	3.62	2209.402	0.724928			5
3.67	3.70	3.71	1473.77	0.517853			6
+ 3.67	3.71	3.71	1415.415	0.497348			6
Height Summation:			14325.125				
Amount Avg CF:			0.513226	Linear:			
Aroclor-1242					6	82.10	
2.83	2.86	2.87	5994.812	1.190172			1
3.16	3.19	3.20	1477.405	0.245838			2
3.35	3.38	3.39	1342.167	0.220927			3
3.42	3.45	3.46	1827.569	0.292367			4
3.58	3.61	3.62	2209.402	0.438622			5
3.67	3.70	3.71	1473.77	0.316565			6
+ 3.67	3.71	3.71	1415.415	0.30403			6
Height Summation:			14325.125				
Amount Avg CF:			0.450748	Linear:			
Aroclor-1248					6	103.91	
3.35	3.38	3.39	1342.167	0.387225			1
3.46	3.49	3.50	2089.632	0.247363			2
3.58	3.61	3.62	2209.402	0.229244			3
3.67	3.70	3.71	1473.77	0.204259			4
+ 3.80	3.81	3.84	1718.148	0.128031			5
3.80	3.83	3.84	5603.285	0.417539			5
4.15	4.18	4.19	9373.457	1.579661			6
Height Summation:			22091.713				
Amount Avg CF:			0.510882	Linear:			
Aroclor-1254					6	25.45	
4.10	4.12	4.14	5388.562	0.483412			1
4.16	4.18	4.20	9373.457	0.480558			2
4.25	4.27	4.29	6254.519	0.68431			3
4.31	4.34	4.35	4653.659	0.391002			4
4.38	4.40	4.42	5072.716	0.755701			5
4.53	4.55	4.57	5653.448	0.692932			6
Height Summation:			36396.361				
Amount Avg CF:			0.581319	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 9/24/16 ACF PBLK01268 Sample ID: AB **Batchnumber: 162680001A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 19:29:30
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0009.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**115.51**	
5.19	5.21	5.23	2071.878	0.36815			1
5.59	5.63	5.63	47909.25	3.876045			3
5.80	5.81	5.84	5461.562	0.744528			4
6.22	6.24	6.26	3297.339	0.704071			6
Height Summation:			**58740.029**				
Amount Avg CF:			**1.423198**	Linear:			
Aroclor-1268					**4**	**131.15**	
5.79	5.81	5.83	5461.562	0.353944			1
5.98	6.00	6.02	62368.68	4.832449			3
6.22	6.24	6.26	3297.339	0.598578			5
6.42	6.44	6.46	33201.92	0.741575			6
Height Summation:			**104329.501**				
Amount Avg CF:			**1.631637**	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 19:29:30
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0009.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**80.05**	
4.24	4.27	4.28	6254.519	0.429297			1
4.38	4.40	4.42	5072.716	0.305285			2
+ 4.48	4.50	4.52	2281.085	0.176665			3
4.48	4.52	4.52	27872.16	2.158634			3
4.82	4.84	4.86	6713.972	0.639171			4
5.01	5.03	5.05	15981.66	0.669496			5
5.27	5.29	5.31	12572.45	0.840611			6
Height Summation:			**74467.477**				
Amount Avg CF:			**0.840416**	Linear:			
Aroclor-1262					**6**	**34.58**	
4.64	4.66	4.68	4475.722	0.264838			1
4.82	4.84	4.86	6713.972	0.40453			2
5.01	5.03	5.05	15981.66	0.518098			3
5.23	5.25	5.27	3229.503	0.279029			4
5.27	5.29	5.31	12572.45	0.642021			5
5.65	5.67	5.69	5638.398	0.554683			6
Height Summation:			**48611.705**				
Amount Avg CF:			**0.443867**	Linear:			
Aroclor-1268					**6**	**184.57**	
5.23	5.25	5.27	3229.503	0.087606			1
5.27	5.29	5.31	12572.45	0.345397			2
5.42	5.45	5.46	162948.9	5.584659			3
5.49	5.51	5.53	202795.2	26.483887			4
5.65	5.67	5.69	5638.398	0.473989			5
5.85	5.87	5.89	80031.14	0.889038			6
Height Summation:			**467215.591**				
Amount Avg CF:			**5.644096**	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		** 102.30	4	40	
Aroclor-1221			51	15.3		** 140.48	3	40	
Aroclor-1232			51	12.3		** 111.23	4	40	
Aroclor-1242			51	12.3		** 103.33	4	40	
Aroclor-1248			51	9.9		** 81.47	4	40	
Aroclor-1254			51	13.2		19.64	4	40	
Aroclor-1260			51	11.7		** 62.24	4	40	
Aroclor-1262			51	9.9		** 104.91	4	40	
Aroclor-1268			51	9.9		** 110.30	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:29:30 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.538		6447	6558
1.574		7223	12414
1.591		7977	15120
1.674		5064	7536
1.796		1055	695
1.85		1342	817
1.993		10925	17975
2.054		8866	24204
2.103		14748	30530
2.137		37755	38496
2.224		21400	20233
2.255		2454	1626
2.314		50257	36782
2.334		13459	15702
2.392		20884	27005
2.427		8451	11531
2.463		5300	5917
2.563		3169	2338
2.624		1223	487
2.655		1981	735
2.675		848	709
2.701		1164	580
2.73		2309	2271
2.784		3919	5303
2.871		2837	11756
2.922	TCX	4651211	2992474
3.072		735	15276
3.12		7606	4813
3.189		3592	5183
3.229		2716	2513
3.249		4675	2843
3.309		1699	1264
3.39		2258	2032
3.457		3127	6514
3.577		2590	2877
3.649		4395	4936
3.722		1879	1455
3.773		3758	5173
3.861		1553	3240
3.887		5076	4203
3.964		1516	1481
4		1556	1867
4.038		1213	533
4.143		1507	823
4.175		6735	6962
4.209		1900	906
4.28		3542	5236
4.379		2618	7244
4.481		951	1348
4.551		2459	2547
4.616		3197	4350
4.679		1188	2821
4.694		1735	1453

RT A	Compound A	Height A	Area A
4.732		1099	1113
4.778		1856	1859
4.826		3169	3469
4.857		7979	6448
4.936		3471	3823
4.985		12599	11967
5.023		3392	4982
5.097		20244	20199
5.142		3197	2517
5.207		2072	1645
5.284		1304	1096
5.347		3260	5415
5.41		1771	1571
5.507		16348	15857
5.554		1311	1210
5.629		47909	52919
5.734		1095	897
5.813		5462	11266
5.906		2112	1828
6		62369	64253
6.064		78483	105871
6.161		2735	4522
6.239		3297	3651
6.271		1387	1846
6.44		33202	35173
6.583	DCB	3286449	3426211
6.694		1694	1419
6.802		1241	975
6.891		3095	7746
6.925		1311	814
6.968		1655	2036
6.998		1108	711
7.046		1035	1054
7.248		1655	2995
7.311		1168	3647
7.448		1030	3231
7.563		1373	2955
7.639		1858	3235
7.753		1585	2730
7.808		1357	1897
7.863		1079	1145
7.918		596	719
7.944		995	622
8.005		1119	699
8.06		1230	1719
8.102		812	900
8.168		1945	3180
8.215		1297	253
8.385		1717	777
8.405		1662	1382
8.454		1044	289
8.478		3074	5728
8.603		1399	6453
8.653		4020	5504

LANCASTER LABORATORIES

Sample Number: BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:29:30 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.531		2059	3995
1.736		2097	1762
1.847		92478	101212
1.898		161750	147532
1.966		18906	39973
2.001		11987	9697
2.026		30528	31881
2.087		41101	26612
2.112		1456	642
2.13		2675	1584
2.149		6871	3467
2.18		6070	8075
2.202		9499	6955
2.232		2242	3708
2.34		3191	4402
2.359		2695	1428
2.382		1495	749
2.402		6917	4461
2.431		2960	2327
2.513		2292	3599
2.535		1981	1082
2.559		1950	941
2.58	TCX	13491650	8120525
2.726		2965	2067
2.778		5123	5639
2.822		3024	5626
2.864		5995	3385
2.885		9589	5037
2.91		11744	6623
2.93		3048	2112
2.959		5261	3624
2.997		731	380
3.028		3030	1974
3.068		1582	1476
3.11		4004	3849
3.132		3933	1901
3.147		2770	2408
3.188		1477	935
3.205		7408	3746
3.281		9783	13738
3.324		9177	13213
3.377		1342	1920
3.393		2387	1292
3.412		1950	1111
3.448		1828	1553
3.487		2090	1857
3.508		2842	1628
3.525		13292	7174
3.549		4022	2731
3.611		2209	1029
3.631		8091	4445
3.649		2185	1250
3.697		1474	602
3.711		1415	971

3.767		1366	655
3.783		2811	1866
3.806		1718	1068
3.827		5603	3704
3.851		5479	3234
3.891		19511	18485
3.924		3187	2461
3.956		4193	3181
4.018		7527	7495
4.057		2764	2987
4.095		5244	3252
4.117		5389	3714
4.178		9373	22384
4.267		6255	9697
4.335		4654	3568
4.374		24947	19469
4.401		5073	2843
4.459		2412	2327
4.501		2281	1703
4.518		27872	20170
4.551		5653	4429
4.596		56043	45756
4.625		8659	8530
4.659		4476	4469
4.773		5695	6452
4.84		6714	5132
4.862		2255	1698
4.907		5829	6142
4.961		1909	1726
4.981		36156	28637
5.033		15982	15278
5.104		125941	115181
5.225		645	2105
5.246		3230	2298
5.288		12572	12200
5.322		2351	3898
5.394		2021	2079
5.446		162949	141659
5.514		202795	173421
5.562		32650	27365
5.671		5638	4957
5.761		1716	2066
5.831		1122	1801
5.871		80031	66016
5.901		2323	1564
6.03	DCB	6616501	6103015
6.678		753	740
6.821		913	1474
7.246		5560	31779
7.347		1016	6906
7.438		1371	1861
7.485		991	1046
8.032		654	863
8.336		1657	3923
8.555		1175	1676

BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846

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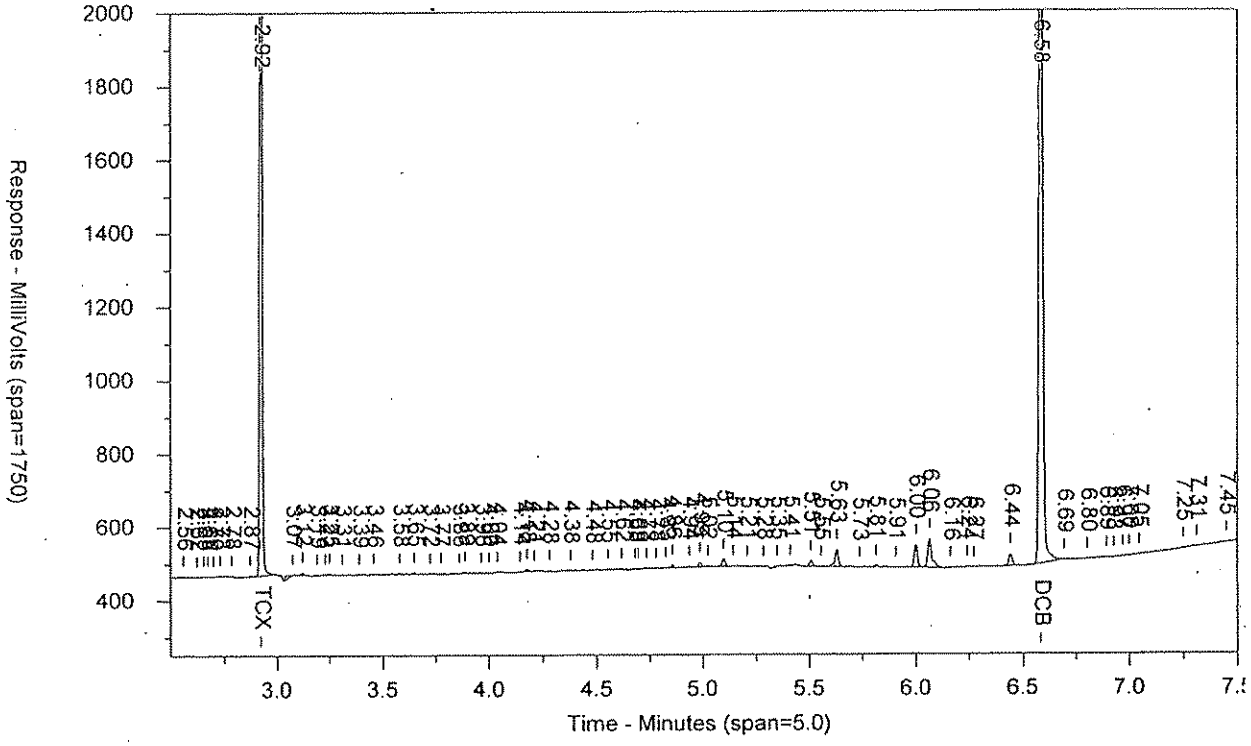

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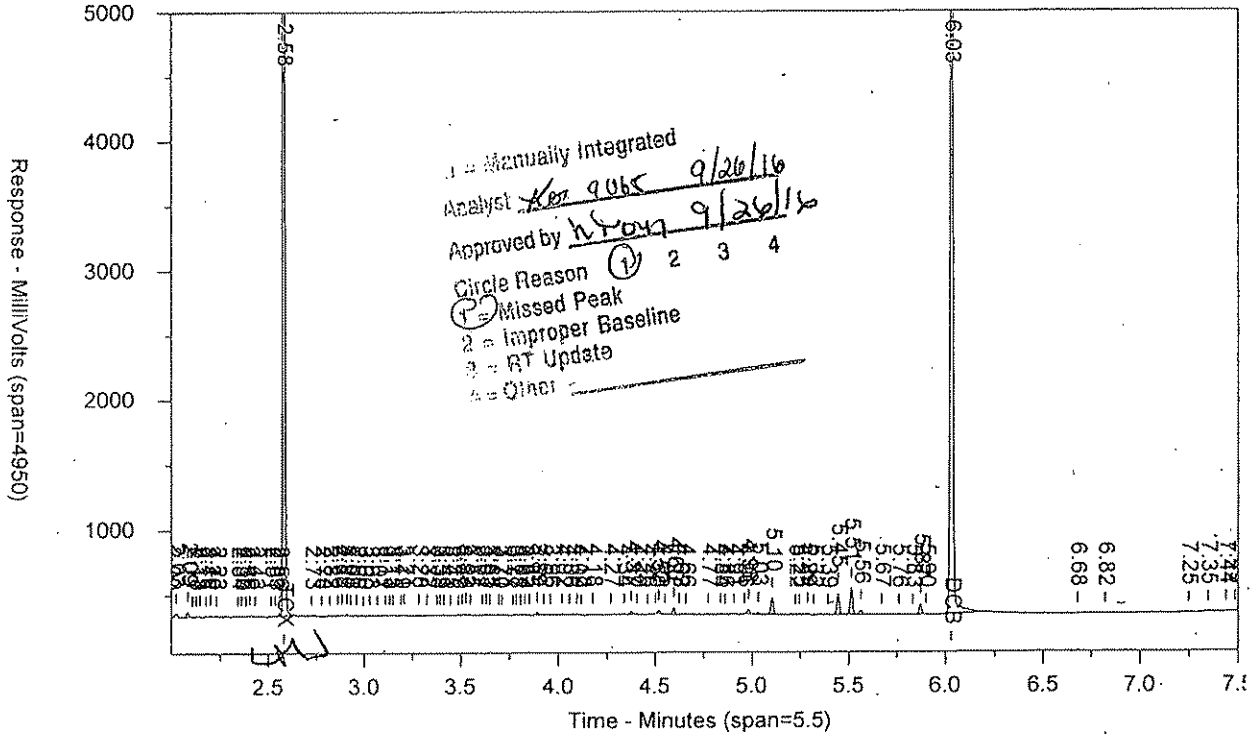

1 = Manually Integrated
Analyst Ken 9065 9/26/16
Approved by [illegible] 9/26/16
Circle Reason 1 2 3 4
1 = Missed Peak
2 = Improper Baseline
3 = RT Update
4 = Other

LANCASTER LABORATORIES

Sample Number: BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:29:30 PM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 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	4651211	31.607	TCX	2.58	13491650	32.809	TCX
6.583	3286449	27.376	DCB	6.03	6616501	27.899	DCB

Files:
Area File: 07pcbs16242025.0009.BND
Area File: 07pcbs16242025B.0009.BND
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 7:38:18 PM
File Reported On: 9/26/2016 at 12:05:17 PM

BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846

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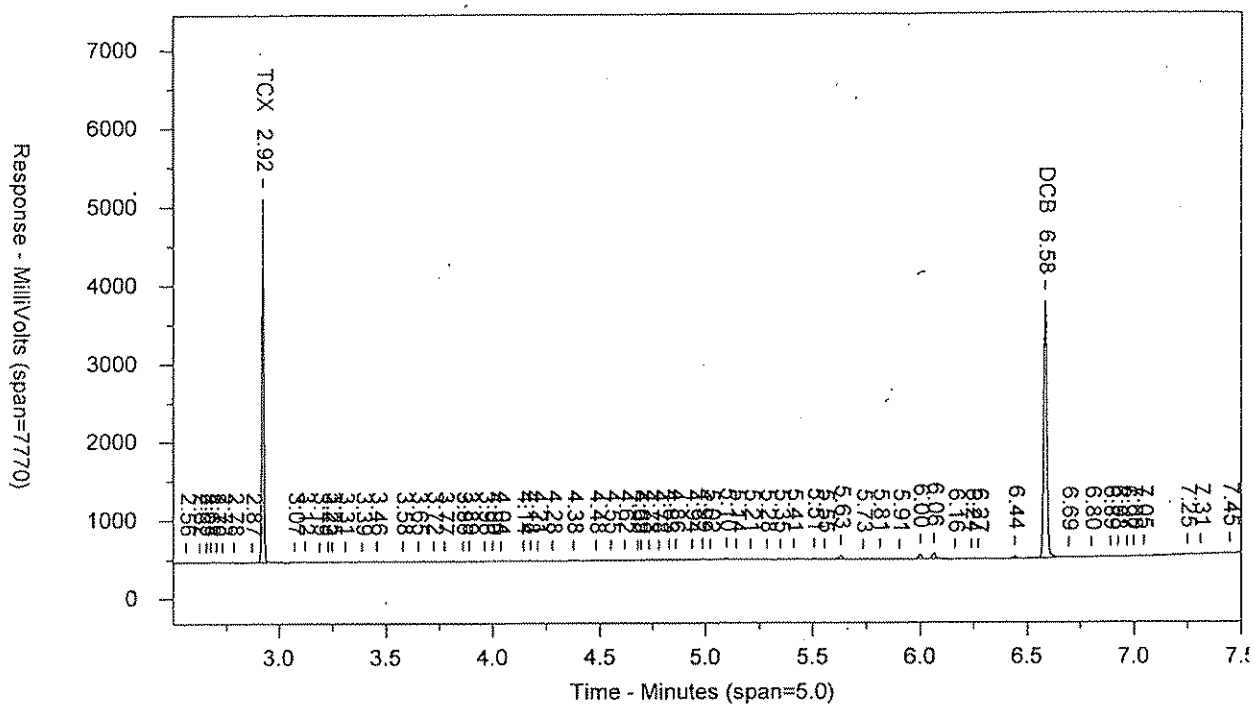

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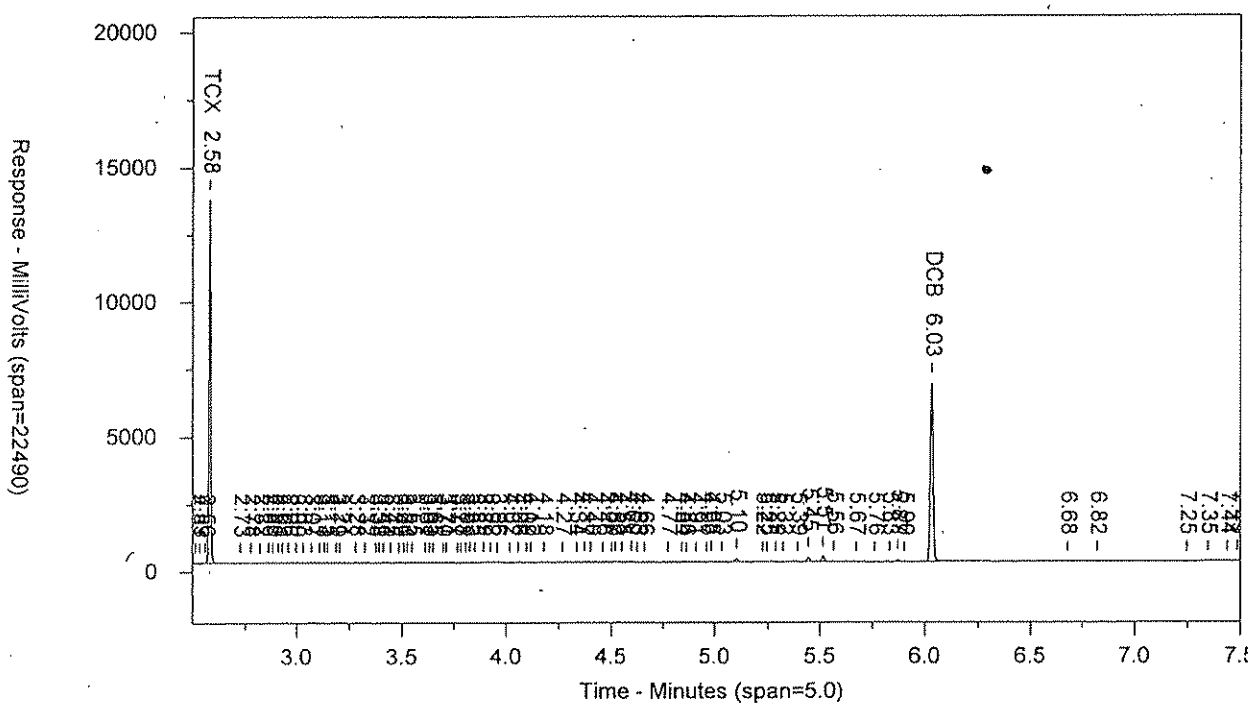

LANCASTER LABORATORIES

Sample Number: BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:29:30 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.538		6447	6558
1.574		7223	12414
1.591		7977	15120
1.674		5064	7536
1.796		1055	695
1.85		1342	817
1.993		10925	17975
2.054		8866	24204
2.103		14748	30530
2.137		37755	38496
2.224		21400	20233
2.255		2454	1626
2.314		50257	36782
2.334		13459	15702
2.392		20884	27005
2.427		8451	11531
2.463		5300	5917
2.563		3169	2338
2.624		1223	487
2.655		1981	735
2.675		848	709
2.701		1164	580
2.73		2309	2271
2.784		3919	5303
2.874		2837	11756
2.922	TCX	4651211	2992474
3.072		735	15276
3.12		7606	4813
3.189		3592	5183
3.229		2716	2513
3.249		4675	2843
3.309		1699	1264
3.39		2258	2032
3.457		3127	6514
3.577		2590	2877
3.649		4395	4936
3.722		1879	1455
3.773		3758	5173
3.861		1553	3240
3.887		5076	4203
3.964		1516	1481
4		1556	1867
4.038		1213	533
4.143		1507	823
4.175		6735	6962
4.209		1900	906
4.28		3542	5236
4.379		2618	7244
4.481		951	1348
4.551		2459	2547
4.616		3197	4350
4.679		1188	2821
4.694		1735	1453

Not Used
See Reintegration

RT A	Compound A	Height A	Area A
4.732		1099	1113
4.778		1856	1859
4.826		3169	3469
4.857		7979	6448
4.936		3471	3823
4.985		12599	11967
5.023		3392	4982
5.097		20244	20199
5.142		3197	2517
5.207		2072	1645
5.284		1304	1096
5.347		3260	5415
5.41		1771	1571
5.507		16348	15857
5.554		1311	1210
5.629		47909	52919
5.734		1095	897
5.813		5462	11266
5.906		2112	1828
6		62369	64253
6.064		78483	105871
6.161		2735	4522
6.239		3297	3651
6.271		1387	1846
6.44		33202	35173
6.583	DCB	3286449	3426211
6.694		1694	1419
6.802		1241	975
6.891		3095	7746
6.925		1311	814
6.968		1655	2036
6.998		1108	711
7.046		1035	1054
7.248		1655	2995
7.311		1168	3647
7.448		1030	3231
7.563		1373	2955
7.639		1858	3235
7.753		1585	2730
7.808		1357	1897
7.863		1079	1145
7.918		596	719
7.944		995	622
8.005		1119	699
8.06		1230	1719
8.102		812	900
8.168		1945	3180
8.215		1297	253
8.385		1717	777
8.405		1662	1382
8.454		1044	289
8.478		3074	5728
8.603		1399	6453
8.653		4020	5504

Not Used
See Reintegration

LANCASTER LABORATORIES

Sample Number: BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:29:30 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.531		2059	3995
1.736		2097	1762
1.847		92478	101212
1.898		161750	147532
1.966		18906	39973
2.001		11987	9697
2.026		30528	31881
2.087		41101	26612
2.112		1456	642
2.13		2675	1584
2.149		6871	3467
2.18		6070	8075
2.202		9499	6955
2.232		2242	3708
2.34		3191	4402
2.359		2695	1428
2.382		1495	749
2.402		6917	4461
2.431		2960	2327
2.513		2292	3599
2.535		1981	1082
2.559	TCX	1950	941
2.58		13491650	8120525
2.726		2965	2067
2.778		5123	5639
2.822		3024	5626
2.864		5995	3385
2.885		9589	5037
2.91		11744	6623
2.93		3048	2112
2.959		5261	3624
2.997		731	380
3.028		3030	1974
3.068		1582	1476
3.11		4004	3849
3.132		3933	1901
3.147		2770	2408
3.188		1477	935
3.205		7408	3746
3.281		9783	13738
3.324		9177	13213
3.377		1342	1920
3.393		2387	1292
3.412		1950	1111
3.448		1828	1553
3.487		2090	1857
3.508		2842	1628
3.525		13292	7174
3.549		4022	2731
3.611		2209	1029
3.631		8091	4445
3.649		2185	1250
3.697		1474	602
3.711		1415	971

Not Used
See Reintegration

3.767		1366	655
3.783		2811	1866
3.806		1718	1068
3.827		5603	3704
3.851		5479	3234
3.891		19511	18485
3.924		3187	2461
3.956		4193	3181
4.018		7527	7495
4.057		2764	2987
4.095		5244	3252
4.117		5389	3714
4.178		9373	22384
4.267		6255	9697
4.335		4654	3568
4.374		24947	19469
4.401		5073	2843
4.459		2412	2327
4.501		2281	1703
4.518		27872	20170
4.551		5653	4429
4.596		56043	45756
4.625		8659	8530
4.659		4476	4469
4.773		5695	6452
4.84		6714	5132
4.862		2255	1698
4.907		5829	6142
4.961		1909	1726
4.981		36156	28637
5.033		15982	15278
5.104		125941	115181
5.225		645	2105
5.246		3230	2298
5.288		12572	12200
5.322		2351	3898
5.394		2021	2079
5.446		162949	141659
5.514		202795	173421
5.562		32650	27365
5.671		5638	4957
5.761		1716	2066
5.831		1122	1801
5.871		80031	66016
5.901		2323	1564
6.03	DCB	6616501	6103015
6.678		753	740
6.821		913	1474
7.246		5560	31779
7.347		1016	6906
7.438		1371	1861
7.485		991	1046
8.032		654	863
8.336		1657	3923
8.555		1175	1676

Not Used
See Reintegration

BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846 80

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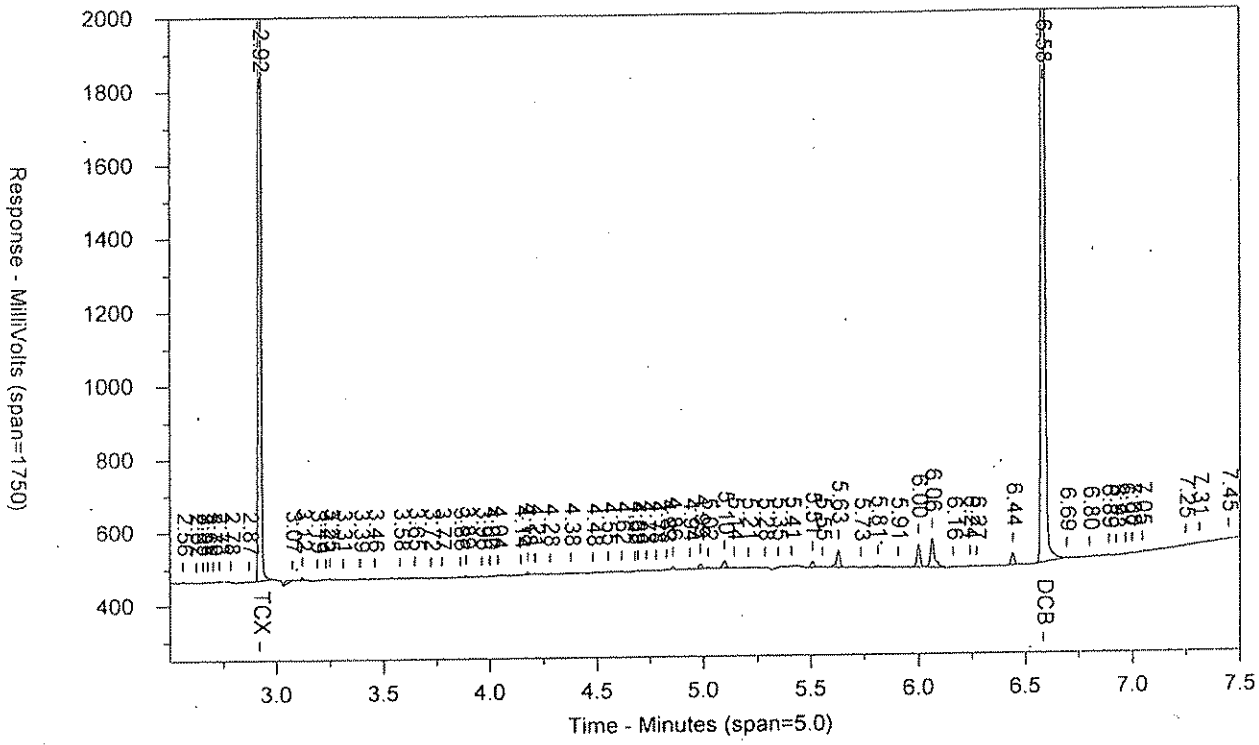

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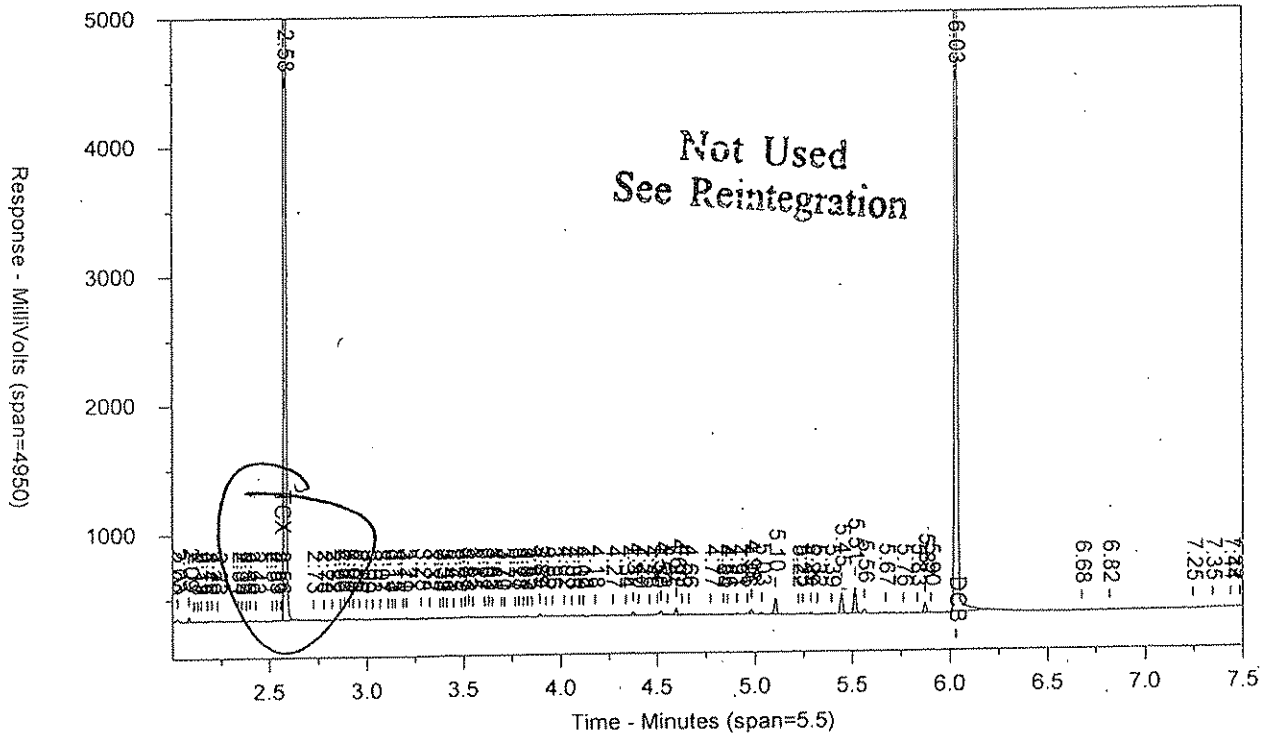

LANCASTER LABORATORIES

Sample Number: BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:29:30 PM
Sample Weight: 10
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 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	4651211	31.607	TCX	2.559	1950	.005	TCX
6.583	3286449	27.376	DCB	6.03	6616501	27.899	DCB

Files:
Area File: 07pcbs16242025.0009.RAW
Area File: 07pcbs16242025B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 7:38:14 PM
File Reported On: 9/25/2016 at 7:38:22 PM

Not Used
See Reintegration

BLANKA 9/24/16 ACF ABPBLK01268 BLK 162680001A 10225 SW-846 80

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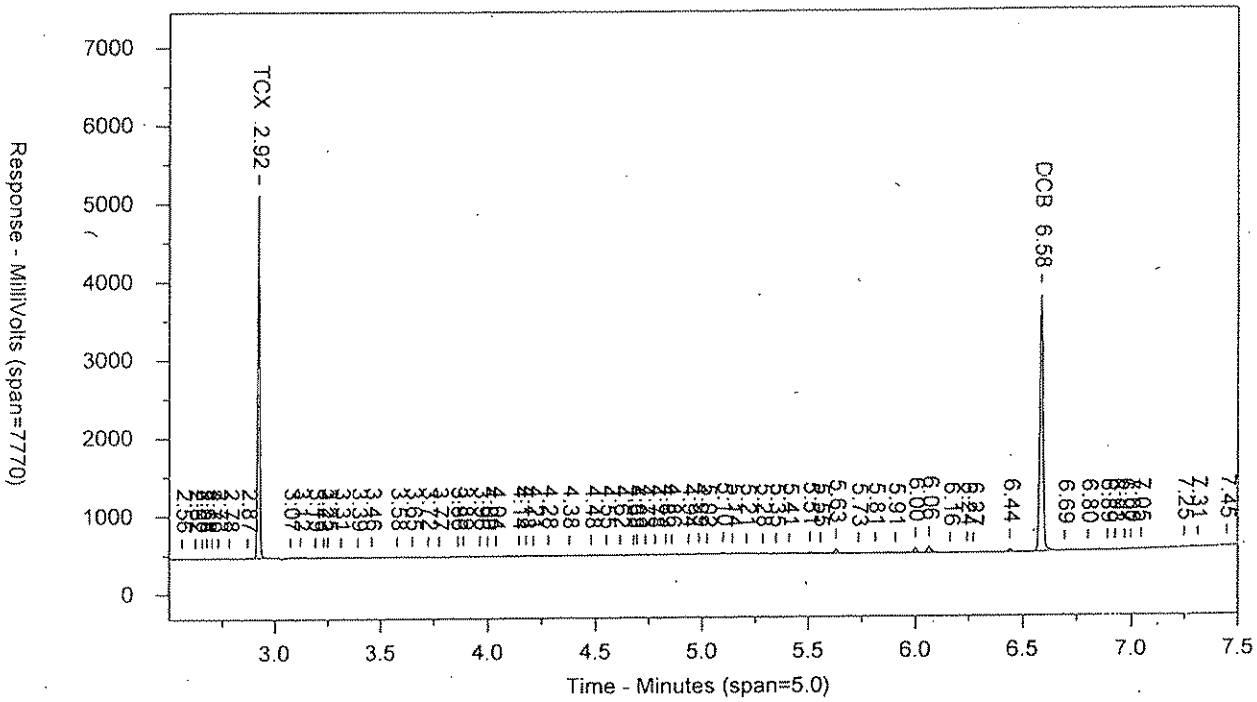

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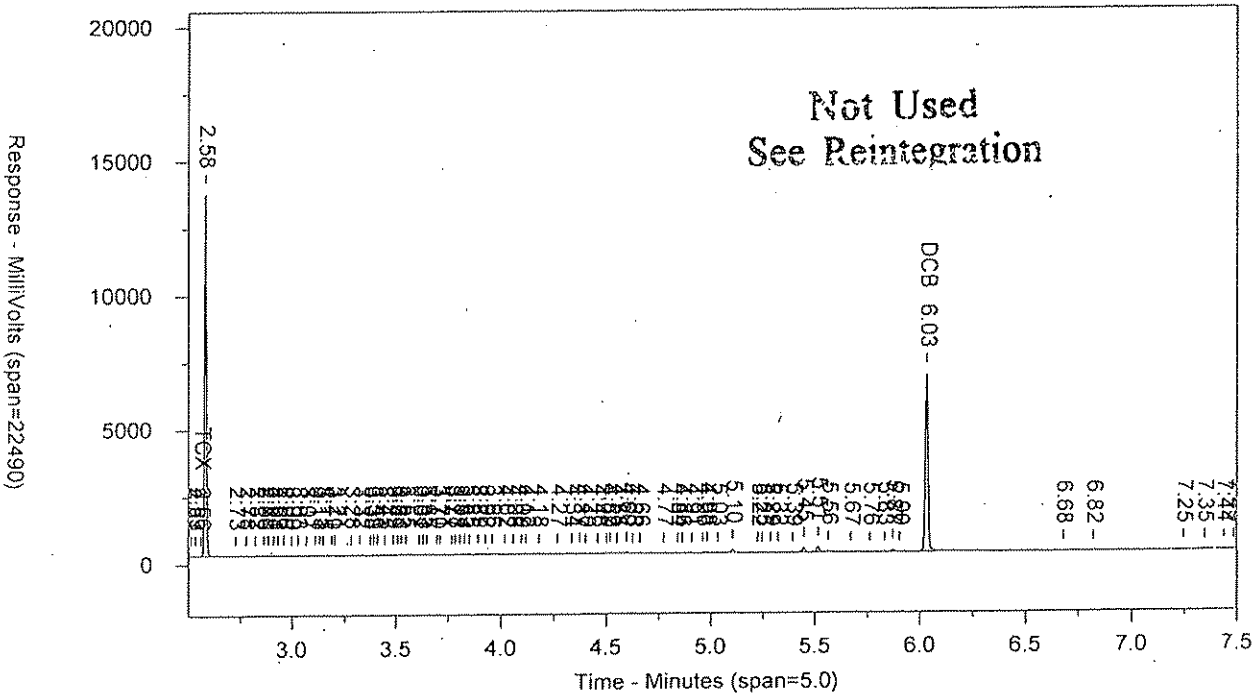

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Data Summary

Sample Name: LCSA 9/24/16 ACF LCS01268 LCS Sample ID: AB **Batchnumber: 162680001A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 19:40:58
Instrument	19843A
Result file	07PCBS16242025.0010.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

%SSR(TCX) 99% (46 - 148) Conc: 29.10225
%SSR(DCB) 88% (49 - 139) Conc: 25.69513

Analysis Report (B)

Injected on	Sep 25, 2016 19:40:58
Instrument	19843B
Result file	07PCBS16242025B.0010.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

%SSR(TCX) 105% (46 - 148) Conc: 30.80719
%SSR(DCB) 93% (49 - 139) Conc: 27.07993

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.92	2.94	4282648	29.10225
Decachlorobiphenyl	6.56	6.58	6.62	3084665	25.69513

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.55	2.58	2.61	12668430	30.80719
Decachlorobiphenyl	6.00	6.03	6.06	6422292	27.07993

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	30.80719				5.69	
☐ Decachlorobiphenyl	B	27.07993				5.25	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**1.16**	
3.15	3.18	3.19	1011253	431.917583			1
3.36	3.39	3.40	1009671	434.50057			2
3.48	3.50	3.52	1216567	437.884045			3
3.69	3.71	3.73	1467603	433.73454			4
3.75	3.77	3.79	1205837	443.820982			5
3.94	3.96	3.98	879763.4	443.432054			6

Height summation: **6790694.4**
Concentration CF: **437.548296** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**1.79**	
2.83	2.86	2.87	2979200	457.569591			1
3.16	3.19	3.20	3725696	460.732406			2
3.35	3.38	3.39	3810531	464.660673			3
3.42	3.45	3.46	4260840	476.847262			4
3.58	3.61	3.62	3409121	477.945515			5
3.67	3.69	3.71	2873646	465.812198			6

Height summation: **21059034**
Concentration CF: **467.261274** L:

Aroclor-1260						**3.84**	
4.72	4.73	4.76	1974528	433.850093			1
5.01	5.03	5.05	1198256	463.857188			2
5.19	5.20	5.23	1497703	468.91412			3
5.35	5.37	5.39	1861580	471.891324			4
5.59	5.61	5.63	4661932	472.211545			5
5.80	5.81	5.84	2534007	437.538523			6

Height summation: **13728006**
Concentration CF: **458.043799** L:

Aroclor-1260						**3.03**	
4.24	4.27	4.28	7270250	499.014715			1
4.38	4.40	4.42	8325940	501.069811			2
4.48	4.50	4.52	6379469	494.074961			3
4.82	4.84	4.86	5253148	500.100326			4
5.01	5.03	5.05	12441590	521.197194			5
5.27	5.29	5.31	7089926	474.042067			6

Height summation: **46760323**
Concentration CF: **498.249846** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	467.261274	51	9.9		6.57	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	498.249846	51	11.7		8.41	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	965.51112	51	9.9				

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Data Summary

Sample Name: LCSA 9/24/16 ACF LCS01268 LCS Sample ID: AB **Batchnumber: 162680001A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 19:40:58
Instrument	19843A
Result file	07PCBS16242025.0010.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

Analysis Report (B)

Injected on	Sep 25, 2016 19:40:58
Instrument	19843B
Result file	07PCBS16242025B.0010.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist

Date: SEP 26 2016

Verified by: Valerie L. Tomayko, Principal Specialist

Date: SEP 26 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/24/16 ACF LCS01268 Sample ID: AB **Batchnumber: 162680001A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 19:40:58
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0010.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 99% (46-148) Conc.: 29.10225
%SSR(DCB) : 88% (49-139) Conc.: 25.69513

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	1.16	
3.15	3.18	3.19	1011253	431.917583			1
3.36	3.39	3.40	1009671	434.50057			2
3.48	3.50	3.52	1216567	437.884045			3
3.69	3.71	3.73	1467603	433.73454			4
3.75	3.77	3.79	1205837	443.820982			5
3.94	3.96	3.98	879763.4	443.432054			6
Height Summation:			6790694.4				
Amount Avg CF:			437.548296	Linear:			
Aroclor-1221					3	34.08	
3.05	3.07	3.09	187438.5	156.490213			1
E 3.10	3.13	3.14	207680.1	206.431191			2
E 3.15	3.18	3.19	1011253	305.729251			3
Height Summation:			1406371.6				
Amount Avg CF:			222.883552	Linear:			
Aroclor-1232					6	30.17	
E 3.15	3.18	3.19	1011253	334.615983			1
E 3.36	3.39	3.40	1009671	877.707654			2
E 3.48	3.50	3.52	1216567	900.937175			3
E 3.69	3.71	3.73	1467603	846.683455			4
E 3.75	3.77	3.79	1205837	957.005897			5
E 3.94	3.96	3.98	879763.4	1031.871591			6
Height Summation:			6790694.4				
Amount Avg CF:			824.803626	Linear:			
Aroclor-1242					6	3.54	
E 3.15	3.18	3.19	1011253	570.837555			1
E 3.36	3.39	3.40	1009671	581.880895			2
E 3.48	3.50	3.52	1216567	589.449127			3
E 3.69	3.71	3.73	1467603	578.602856			4
E 3.75	3.77	3.79	1205837	626.918508			5
E 3.94	3.96	3.98	879763.4	607.751888			6
Height Summation:			6790694.4				
Amount Avg CF:			592.573471	Linear:			
Aroclor-1248					6	67.10	
3.75	3.77	3.79	1205837	814.210199			1
3.82	3.84	3.86	818202.4	320.554458			2
3.94	3.96	3.98	879763.4	310.900794			3
4.03	4.05	4.07	838615	365.326672			4
4.21	4.23	4.25	193605.3	77.640103			5
4.59	4.61	4.63	536170.4	285.401711			6
Height Summation:			4472193.5				
Amount Avg CF:			362.338989	Linear:			
Aroclor-1254					6	119.04	
4.19	4.21	4.23	850590.6	295.296121			1
+ 4.19	4.23	4.23	193605.3	67.213174			1
+ 4.53	4.55	4.57	51378.47	16.979653			2
4.53	4.57	4.57	179056.1	59.174796			2
4.60	4.61	4.64	536170.4	86.666406			3
E 4.72	4.73	4.76	1974528	1030.351952			4
4.81	4.82	4.85	284513	64.944127			5
5.01	5.03	5.05	1198256	339.729821			6
Height Summation:			5023114.1				
Amount Avg CF:			312.693871	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 19:40:58
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0010.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 105% (46-148) Conc.: 30.80719
%SSR(DCB) : 93% (49-139) Conc.: 27.07993

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	1.79	
2.83	2.86	2.87	2979200	457.569591			1
+ 3.16	3.16	3.20	309258.8	38.244009			2
3.16	3.19	3.20	3725696	460.732406			2
+ 3.35	3.36	3.39	125073.1	15.251562			3
3.35	3.38	3.39	3810531	464.660673			3
3.42	3.45	3.46	4260840	476.847262			4
3.58	3.61	3.62	3409121	477.945515			5
+ 3.67	3.68	3.71	791155.1	128.24464			6
3.67	3.69	3.71	2873646	465.812198			6
Height Summation:			21059034				
Amount Avg CF:			467.261274	Linear:			
Aroclor-1221					3	31.65	
+ 2.72	2.72	2.76	1794.524	0.474818			1
2.72	2.75	2.76	622267.9	164.647708			1
E 2.78	2.81	2.82	620755.6	278.622497			2
E 2.83	2.86	2.87	2979200	320.216516			3
Height Summation:			4222223.5				
Amount Avg CF:			254.495574	Linear:			
Aroclor-1232					6	31.07	
E 2.83	2.86	2.87	2979200	347.658249			1
+ 3.16	3.16	3.20	309258.8	75.727267			2
E 3.16	3.19	3.20	3725696	912.299913			2
+ 3.35	3.36	3.39	125073.1	30.670206			3
E 3.35	3.38	3.39	3810531	934.411721			3
E 3.42	3.45	3.46	4260840	1040.096861			4
E 3.58	3.61	3.62	3409121	1118.56793			5
E+ 3.67	3.68	3.71	791155.1	277.995766			6
E 3.67	3.69	3.71	2873646	1009.740594			6
Height Summation:			21059034				
Amount Avg CF:			893.795878	Linear:			
Aroclor-1242					6	5.63	
E 2.83	2.86	2.87	2979200	591.471392			1
+ 3.16	3.16	3.20	309258.8	51.460154			2
E 3.16	3.19	3.20	3725696	619.949664			2
+ 3.35	3.36	3.39	125073.1	20.587639			3
E 3.35	3.38	3.39	3810531	627.231898			3
E 3.42	3.45	3.46	4260840	681.631883			4
E 3.58	3.61	3.62	3409121	676.796952			5
+ 3.67	3.68	3.71	791155.1	169.939513			6
E 3.67	3.69	3.71	2873646	617.256971			6
Height Summation:			21059034				
Amount Avg CF:			635.723127	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/24/16 ACF LCS01268 Sample ID: AB **Batchnumber: 162680001A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 19:40:58
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0010.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	3.84	
4.72	4.73	4.76	1974528	433.850093			1
5.01	5.03	5.05	1198256	463.857188			2
5.19	5.20	5.23	1497703	468.91412			3
5.35	5.37	5.39	1861580	471.891324			4
5.59	5.61	5.63	4661932	472.211545			5
5.80	5.81	5.84	2534007	437.538523			6
Height Summation:			13728006				
Amount Avg CF:			458.043799	Linear:			
Aroclor-1262					6	41.74	
E 5.19	5.20	5.23	1497703	266.125367			1
E 5.35	5.37	5.39	1861580	373.027737			2
E 5.59	5.61	5.63	4661932	377.168437			3
E 5.80	5.81	5.84	2534007	345.439637			4
+ 5.85	5.85	5.89	218951.2	61.833766			5
5.85	5.86	5.89	238642.1	67.394651			5
E 6.22	6.24	6.26	1186411	253.3307			6
Height Summation:			11980275.1				
Amount Avg CF:			280.414421	Linear:			
Aroclor-1268					6	166.06	
5.79	5.81	5.83	2534007	164.219922			1
5.85	5.86	5.89	238642.1	18.091913			2
5.98	6.00	6.02	97917.62	7.586852			3
E 6.07	6.08	6.11	431163.1	1048.204262			4
E 6.22	6.24	6.26	1186411	215.373346			5
6.42	6.44	6.46	315370.8	7.043906			6
Height Summation:			4803511.62				
Amount Avg CF:			243.420033	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 19:40:58
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0010.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	64.95	
+ 3.35	3.36	3.39	125073.1	36.084495			1
E 3.35	3.38	3.39	3810531	1099.365787			1
3.46	3.48	3.50	2837948	335.94563			2
3.58	3.61	3.62	3409121	353.724463			3
+ 3.67	3.68	3.71	791155.1	109.650939			4
3.67	3.69	3.71	2873646	398.275866			4
+ 3.80	3.80	3.84	724613.8	53.995978			5
3.80	3.83	3.84	3924420	292.435635			5
+ 4.15	4.16	4.19	899456.2	151.580809			6
+ 4.15	4.18	4.19	742933.1	125.202762			6
4.15	4.19	4.19	2177380	366.942851			6
Height Summation:			19033046				
Amount Avg CF:			474.448372	Linear:			
Aroclor-1254					6	126.88	
4.10	4.12	4.14	823554.8	73.881761			1
+ 4.16	4.16	4.20	899456.2	46.113286			2
+ 4.16	4.18	4.20	742933.1	38.088665			2
4.16	4.19	4.20	2177380	111.629834			2
4.25	4.27	4.29	7270250	795.441602			3
4.31	4.33	4.35	584401.4	49.101648			4
E 4.38	4.40	4.42	8325940	1240.34594			5
4.53	4.55	4.57	858948.2	105.279624			6
Height Summation:			20040474.4				
Amount Avg CF:			395.946735	Linear:			
Aroclor-1260					6	3.03	
4.24	4.27	4.28	7270250	499.014715			1
4.38	4.40	4.42	8325940	501.069811			2
4.48	4.50	4.52	6379469	494.074961			3
4.82	4.84	4.86	5253148	500.100326			4
5.01	5.03	5.05	12441590	521.197194			5
5.27	5.29	5.31	7089926	474.042067			6
Height Summation:			46760323				
Amount Avg CF:			498.249846	Linear:			
Aroclor-1262					6	25.94	
E 4.64	4.66	4.68	4063419	240.440986			1
E 4.82	4.84	4.86	5253148	316.512472			2
E 5.01	5.03	5.05	12441590	403.335129			3
5.23	5.25	5.27	2282014	197.165909			4
E 5.27	5.29	5.31	7089926	362.052332			5
E 5.65	5.67	5.69	2732026	268.765682			6
Height Summation:			33862123				
Amount Avg CF:			298.045418	Linear:			
Aroclor-1268					6	111.16	
5.23	5.25	5.27	2282014	61.903508			1
5.27	5.29	5.31	7089926	194.777946			2
5.42	5.44	5.46	252985.3	8.670427			3
5.49	5.51	5.53	218497.2	28.534478			4
E 5.65	5.67	5.69	2732026	229.666163			5
5.85	5.87	5.89	690152	7.66666			6
Height Summation:			13265600.5				
Amount Avg CF:			88.53653	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		6.57	4	40	
Aroclor-1221			51	15.3	E	13.24	3	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 9/24/16 ACF LCS01268 Sample ID: AB **Batchnumber: 162680001A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 19:40:58
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0010.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 25, 2016 19:40:58
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0010.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1232			51	12.3	E	8.03	4	40	
Aroclor-1242			51	12.3	E	7.03	4	40	
Aroclor-1248			51	9.9		26.80	4	40	
Aroclor-1254			51	13.2	E	23.50	4	40	
Aroclor-1260			51	11.7		8.41	4	40	
Aroclor-1262			51	9.9	E	6.10	4	40	
Aroclor-1268			51	9.9	E	** 93.32	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:40:58 PM
Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP7-19843A
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.532		9219	9655
1.577		7058	5610
1.596		13999	20733
1.642		7013	5141
1.661		2836	1697
1.707		2675	1876
1.736		12743	15784
1.762		10061	8797
1.791		4887	7720
1.847		4223	3231
1.881		3331	2668
1.962		2389	1723
1.985		2580	1552
2.011		3447	4330
2.095		10657	13230
2.137		38387	38563
2.198		2747	2880
2.224		18474	12779
2.313		45459	32491
2.333		9373	6772
2.367		2673	1904
2.392		19294	16030
2.449		2290	4357
2.463		2685	1883
2.503		1559	1136
2.567		13707	10469
2.656		2001	1366
2.679		1118	875
2.705		1668	950
2.734		2597	2502
2.842		2640	3575
2.922	TCX	4282648	2858772
3.073		187439	184333
3.129		207680	147242
3.177		1011253	701182
3.248		3064	1395
3.268		121251	84635
3.306		4168	2713
3.347		1281	1065
3.387		1009671	603198
3.403		447582	234533
3.44		114844	65129
3.455		34059	14064
3.472		87287	50457
3.501		1216567	898807
3.536		5417	2917
3.551		4634	2088
3.573		51684	35214
3.609		251641	142277
3.623		118560	57397
3.666		520435	287088
3.677		1379283	719938
3.712		1467603	1102944

Not Used
See Reintegration

RT A	Compound A	Height A	Area A
3.772		1205837	927117
3.811		88294	59819
3.838		818202	584382
3.864		611896	491731
3.885		150592	79258
3.96		879763	636760
3.984		276462	183778
4.014		314623	229716
4.05		838615	880511
4.089		255425	213408
4.134		39138	29513
4.173		47428	42156
4.207		850591	617858
4.227		193605	110524
4.25		221150	162091
4.317		118586	104778
4.36		850882	798394
4.393		24024	16039
4.455		9998	8188
4.496		121295	126043
4.552		51378	43056
4.566		179056	124245
4.612		536170	482609
4.656		836725	936705
4.694		186532	140684
4.733		1974528	1870899
4.776		20357	18387
4.824		284513	334183
4.854		26154	17041
4.88		337939	324160
4.933		2422878	3049256
4.982		459993	408641
5.026		1198256	1304483
5.068		19902	11623
5.105		222929	268526
5.141		3045395	3298038
5.203		1497703	1367637
5.246		935014	903876
5.368		1861580	2499697
5.427		842219	795202
5.467		435280	384322
5.507		105616	100576
5.551		613958	591509
5.607		4661932	4869912
5.813		2534007	2696677
5.85		218951	212356
5.865		238642	178735
5.998		97918	100453
6.061		95551	72195
6.084		431163	368155
6.239		1186411	1136424
6.284		71400	68417
6.438		315371	330683
6.581	DCB	3084665	3287701
6.853		1541	1014
6.891		2307	3868
6.923		1092	830
7.046		1371	3137
7.07		940	650
7.274		1501	4182
7.303		953	365
7.355		1221	1506
7.398		1418	2473
7.486		1254	418
7.583		1155	2733
7.643		1713	2806

Not Used
See Reintegration

RT A	Compound A	Height A	Area A
7.694		1253	1254
7.75		890	1172
7.888		1105	2592
7.961		1236	662
8.076		1072	736
8.299		1204	2442
8.546		1330	1482
8.617		1080	390
8.652		10002	29201

Not Used
See Reintegration

LANCASTER LABORATORIES

Sample Number: LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:40:58 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.507		5958	4392
1.534		9757	9471
1.563		14001	9843
1.587		3672	2889
1.602		6664	5706
1.638		8263	11036
1.661		2977	1644
1.686		4004	3137
1.716		7779	8287
1.737		10680	13167
1.773		7669	9996
1.824		8096	10529
1.847		107883	90007
1.898		148974	134404
1.973		21603	46125
2.002		12825	12909
2.025		27991	28749
2.086		54820	35261
2.114		3288	1918
2.131		4066	2107
2.152		6106	4038
2.171		2253	1126
2.203		9397	7534
2.24		1834	1445
2.268		33999	26899
2.322		1878	846
2.365		2137	2004
2.401		7526	4360
2.427		929	494
2.449		2469	1368
2.513		2352	3529
2.536		7384	3941
2.557	TCX	3138	1769
2.58		12668430	7494043
2.623		247422	191140
2.697		1740	923
2.725		1795	1095
2.749		622268	414572
2.81		620756	394047
2.861		2979201	1857022
2.91		10752	5473
2.929		3324	2406
2.971		385496	247978
3.027		3639	2377
3.067		2558681	1224546
3.077		785785	286030
3.118		448102	274832
3.138		220907	121254
3.163		309259	171154
3.187		3725696	2458448
3.223		153089	90149
3.269		942155	489251
3.284		515460	241252
3.31		3492	1416

Not Used
See Reintegration

3.334		1418896	796378
3.342		4292537	1811785
3.363		125073	43443
3.376		3810531	2586152
3.448		4260840	2632983
3.484		2837948	1751319
3.507		3023821	1687752
3.524		913629	436289
3.608		3409121	2203888
3.63		1263884	667902
3.651		1192486	693397
3.678		791155	408888
3.695		2873646	1708454
3.735		1001244	710133
3.782		167069	146675
3.803		724614	434886
3.825		3924420	2475398
3.849		745592	421475
3.868		117090	56631
3.888		437867	270771
3.922		3044320	2086366
3.954		151493	80308
3.969		222078	135744
4.014		10003	5206
4.03		28701	17760
4.053		91229	45529
4.062		117501	55921
4.093		16489	8848
4.117		823555	565032
4.158		899456	530554
4.176		742933	366479
4.19		2177380	1210621
4.216		1215493	1182383
4.266		7270250	5335423
4.313		75465	82995
4.334		584401	382170
4.358		1405837	1043681
4.4		8325940	6156242
4.499		6379469	6328147
4.55		858948	687221
4.589		1779453	1483627
4.624		8288783	6811195
4.656		4063419	2948689
4.693		2798738	2114048
4.75		6112	3471
4.79		829043	602503
4.807		93470	43836
4.84		5253148	4016152
4.862		536602	317965
4.912		2613922	2304328
4.947		1247682	1015437
4.978		994078	783379
5.009		409752	251837
5.032		12441590	10127290
5.073		211664	161571
5.103		479846	389546
5.222		118056	74328
5.246		2282014	1888492
5.29		7089927	7980102
5.444		252985	221582
5.492		147516	108198
5.513		218497	165033
5.562		1244907	1053352
5.671		2732026	2290133
5.703		141666	108250
5.871		690152	638250
6.03	DCB	6422293	6066434

Not Used
See Reintegration

6.722	1042	1020
7.32	2689	5631
7.357	1156	1752
7.424	1260	2244
7.711	896	1729
7.887	1182	1322
7.989	670	1106
8.124	1118	1131
8.331	1375	2050
8.557	1111	1569

Not Used
See Reintegration

LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 8082

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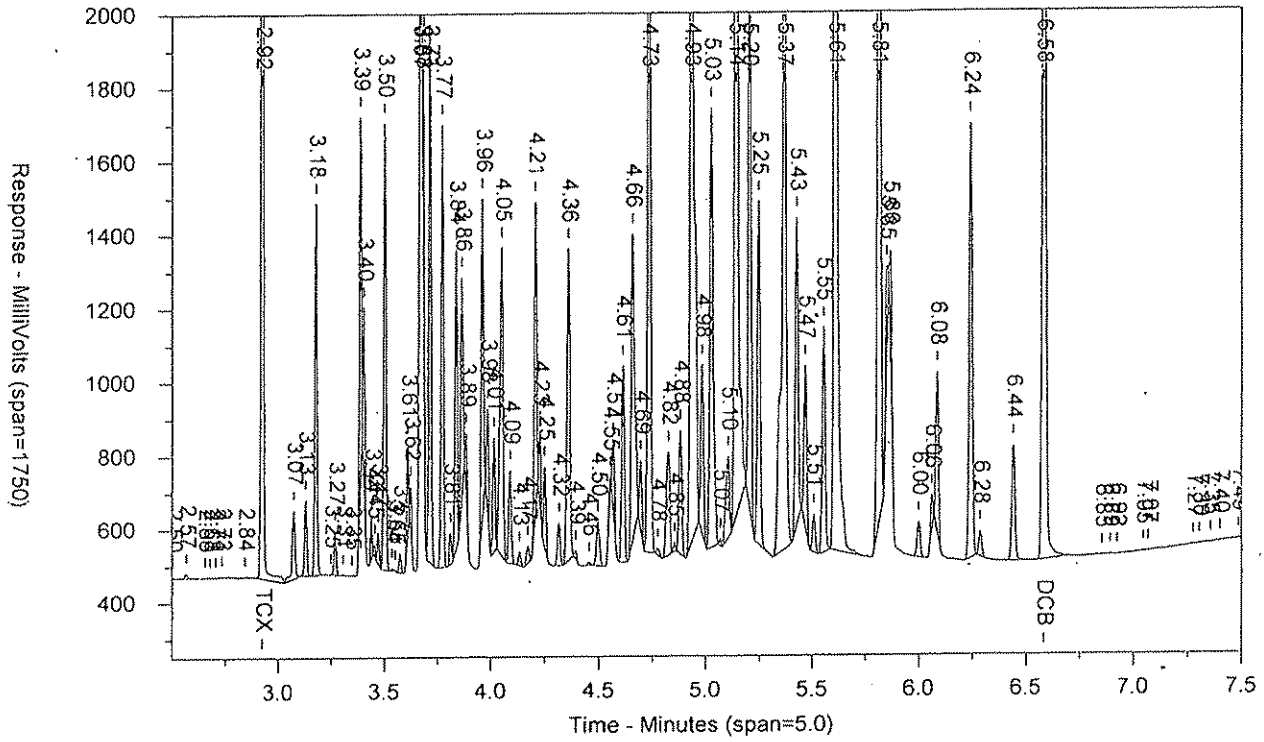

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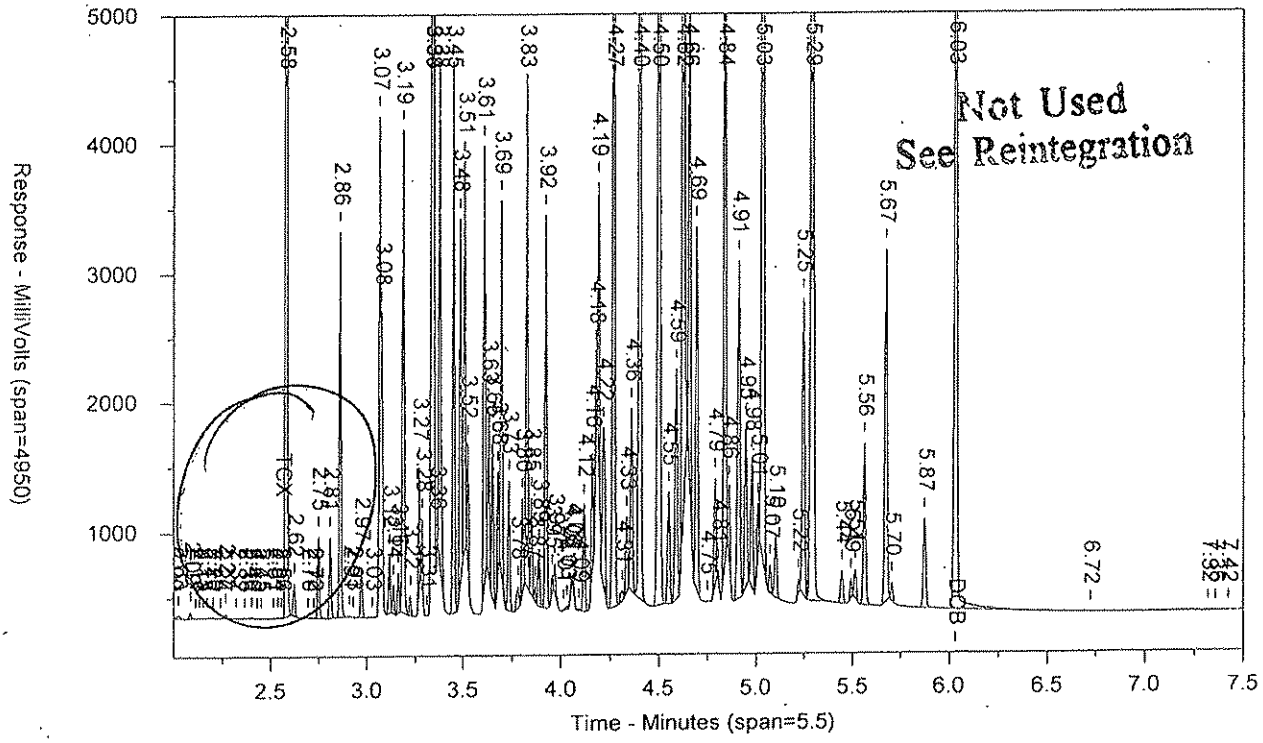

LANCASTER LABORATORIES

Sample Number: LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:40:58 PM
Sample Weight: 10
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 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	4282648	29.102	TCX	2.557	3138	.008	TCX
6.581	3084665	25.695	DCB	6.03	6422293	27.08	DCB

Files:
Area File: 07pcbs16242025.0010.RAW
Area File: 07pcbs16242025B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 7:49:41 PM
File Reported On: 9/25/2016 at 7:49:50 PM

Not Used.
See Reintegration

LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 8082

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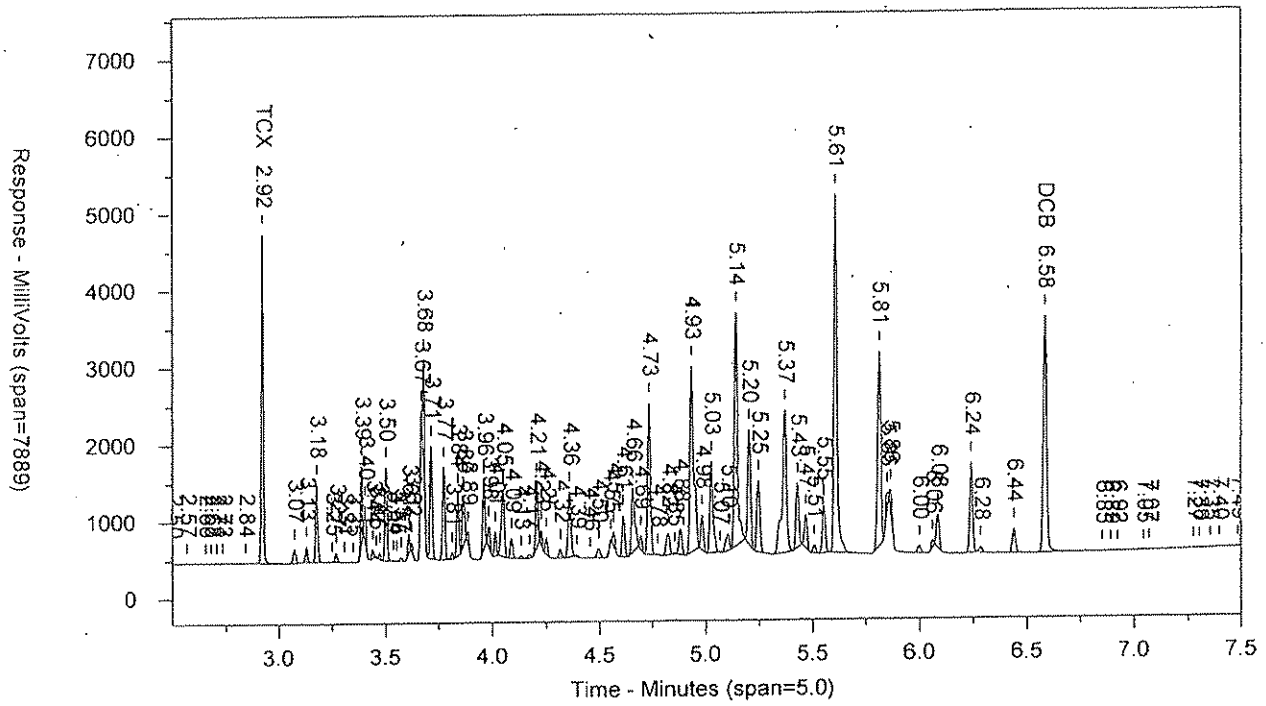

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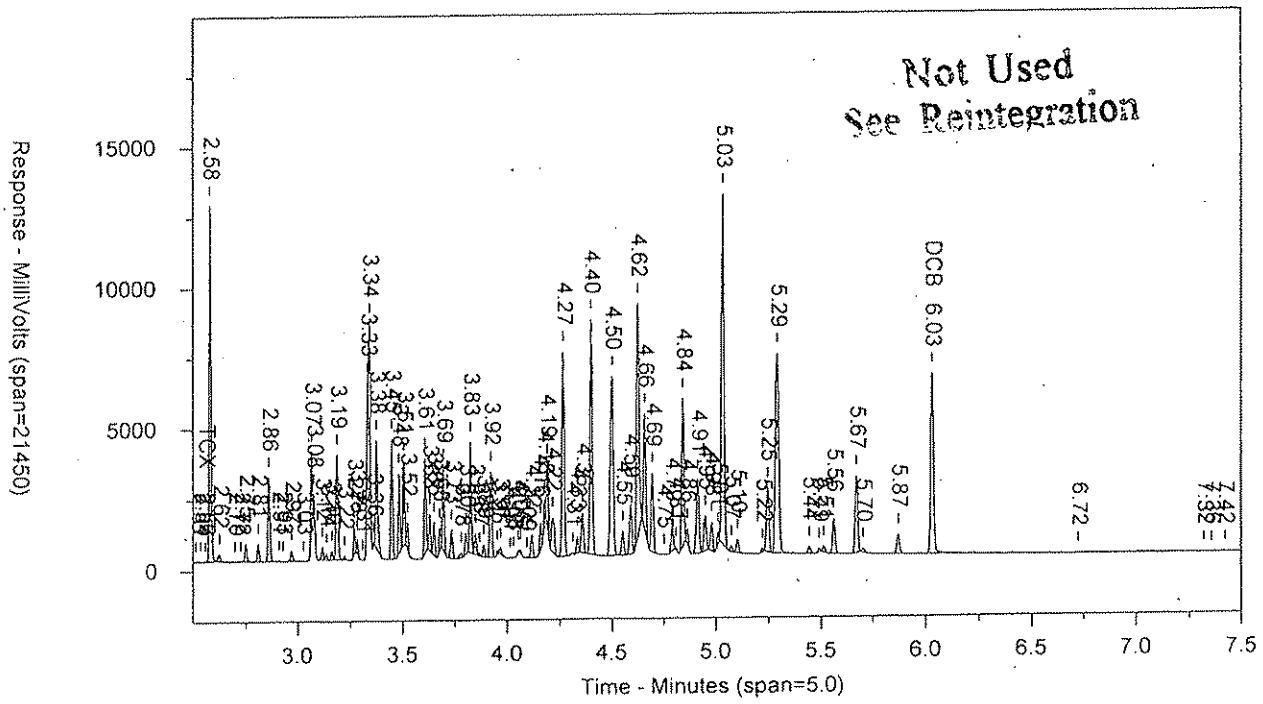

LANCASTER LABORATORIES

Sample Number: LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:40:58 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.532		9219	9655
1.577		7058	5610
1.596		13999	20733
1.642		7013	5141
1.661		2836	1697
1.707		2675	1876
1.736		12743	15784
1.762		10061	8797
1.791		4887	7720
1.847		4223	3231
1.881		3331	2668
1.962		2389	1723
1.985		2580	1552
2.011		3447	4330
2.095		10657	13230
2.137		38387	38563
2.198		2747	2880
2.224		18474	12779
2.313		45459	32491
2.333		9373	6772
2.367		2673	1904
2.392		19294	16030
2.449		2290	4357
2.463		2685	1883
2.503		1559	1136
2.567		13707	10469
2.656		2001	1366
2.679		1118	875
2.705		1668	950
2.734		2597	2502
2.842		2640	3575
2.922	TCX	4282648	2858772
3.073		187439	184333
3.129		207680	147242
3.177		1011253	701182
3.248		3064	1395
3.268		121251	84635
3.306		4168	2713
3.347		1281	1065
3.387		1009671	603198
3.403		447582	234533
3.44		114844	65129
3.455		34059	14064
3.472		87287	50457
3.501		1216567	898807
3.536		5417	2917
3.551		4634	2088
3.573		51684	35214
3.609		251641	142277
3.623		118560	57397
3.666		520435	287088
3.677		1379283	719938
3.712		1467603	1102944

RT A	Compound A	Height A	Area A
3.772		1205837	927117
3.811		88294	59819
3.838		818202	584382
3.864		611896	491731
3.885		150592	79258
3.96		879763	636760
3.984		276462	183778
4.014		314623	229716
4.05		830615	880511
4.089		255425	213408
4.134		39138	29513
4.173		47428	42156
4.207		850591	617858
4.227		193605	110524
4.25		221150	162091
4.317		118586	104778
4.36		850882	798394
4.393		24024	16039
4.455		9998	8188
4.496		121295	126043
4.552		51378	43056
4.566		179056	124245
4.612		536170	482609
4.656		836725	936705
4.694		186532	140684
4.733		1974528	1870899
4.776		20357	18387
4.824		284513	334183
4.854		26154	17041
4.88		337939	324160
4.933		2422878	3049256
4.982		459993	408641
5.026		1198256	1304483
5.068		19902	11623
5.105		222929	268526
5.141		3045395	3298038
5.203		1497703	1367637
5.246		935014	903876
5.368		1861580	2499697
5.427		842219	795202
5.467		435280	384322
5.507		105616	100576
5.551		613958	591509
5.607		4661932	4869912
5.813		2534007	2696677
5.85		218951	212356
5.865		238642	178735
5.998		97918	100453
6.061		95551	72195
6.084		431163	368155
6.239		1186411	1136424
6.284		71400	68417
6.438		315371	330683
6.581	DCB	3084665	3287701
6.853		1541	1014
6.891		2307	3868
6.923		1092	830
7.046		1371	3137
7.07		940	650
7.274		1501	4182
7.303		953	365
7.355		1221	1506
7.398		1418	2473
7.486		1254	418
7.583		1155	2733
7.643		1713	2806

RT A	Compound A	Height A	Area A
7.694		1253	1254
7.75		890	1172
7.888		1105	2592
7.961		1236	662
8.076		1072	736
8.299		1204	2442
8.546		1330	1482
8.617		1080	390
8.652		10002	29201

LANCASTER LABORATORIES

Sample Number: LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:40:58 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.507		5958	4392
1.534		9757	9471
1.563		14001	9843
1.587		3672	2889
1.602		6664	5706
1.638		8263	11036
1.661		2977	1644
1.686		4004	3137
1.716		7779	8287
1.737		10680	13167
1.773		7669	9996
1.824		8096	10529
1.847		107883	90007
1.898		148974	134404
1.973		21603	46125
2.002		12825	12909
2.025		27991	28749
2.086		54820	35261
2.114		3288	1918
2.131		4066	2107
2.152		6106	4038
2.171		2253	1126
2.203		9397	7534
2.24		1834	1445
2.268		33999	26899
2.322		1878	846
2.365		2137	2004
2.401		7526	4360
2.427		929	494
2.449		2469	1368
2.513		2352	3529
2.536		7384	3941
2.557		3138	1769
2.58	TCX	12668430	7494043
2.623		247422	191140
2.697		1740	923
2.725		1795	1095
2.749		622268	414572
2.81		620756	394047
2.861		2979201	1857022
2.91		10752	5473
2.929		3324	2406
2.971		385496	247978
3.027		3639	2377
3.067		2558681	1224546
3.077		785785	286030
3.118		448102	274832
3.138		220907	121254
3.163		309259	171154
3.187		3725696	2458448
3.223		153089	90149
3.269		942155	489251
3.284		515460	241252
3.31		3492	1416

3.334		1418896	796378
3.342		4292537	1811785
3.363		125073	43443
3.376		3810531	2586152
3.448		4260840	2632983
3.484		2837948	1751319
3.507		3023821	1687752
3.524		913629	436289
3.608		3409121	2203888
3.63		1263884	667902
3.651		1192486	693397
3.678		791155	408888
3.695		2873646	1708454
3.735		1001244	710133
3.782		167069	146675
3.803		724614	434886
3.825		3924420	2475398
3.849		745592	421475
3.868		117090	56631
3.888		437867	270771
3.922		3044320	2086366
3.954		151493	80308
3.969		222078	135744
4.014		10003	5206
4.03		28701	17760
4.053		91229	45529
4.062		117501	55921
4.093		16489	8848
4.117		823555	565032
4.158		899456	530554
4.176		742933	366479
4.19		2177380	1210621
4.216		1215493	1182383
4.266		7270250	5335423
4.313		75465	82995
4.334		584401	382170
4.358		1405837	1043681
4.4		8325940	6156242
4.499		6379469	6328147
4.55		858948	687221
4.589		1779453	1483627
4.624		8288783	6811195
4.656		4063419	2948689
4.693		2798738	2114048
4.75		6112	3471
4.79		829043	602503
4.807		93470	43836
4.84		5253148	4016152
4.862		536602	317965
4.912		2613922	2304328
4.947		1247682	1015437
4.978		994078	783379
5.009		409752	251837
5.032		12441590	10127290
5.073		211664	161571
5.103		479846	389546
5.222		118056	74328
5.246		2282014	1888492
5.29		7089927	7980102
5.444		252985	221582
5.492		147516	108198
5.513		218497	165033
5.562		1244907	1053352
5.671		2732026	2290133
5.703		141666	108250
5.871		690152	638250
6.03	DCB	6422293	6066434

6.722	1042	1020
7.32	2689	5631
7.357	1156	1752
7.424	1260	2244
7.711	896	1729
7.887	1182	1322
7.989	670	1106
8.124	1118	1131
8.331	1375	2050
8.557	1111	1569

LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 80

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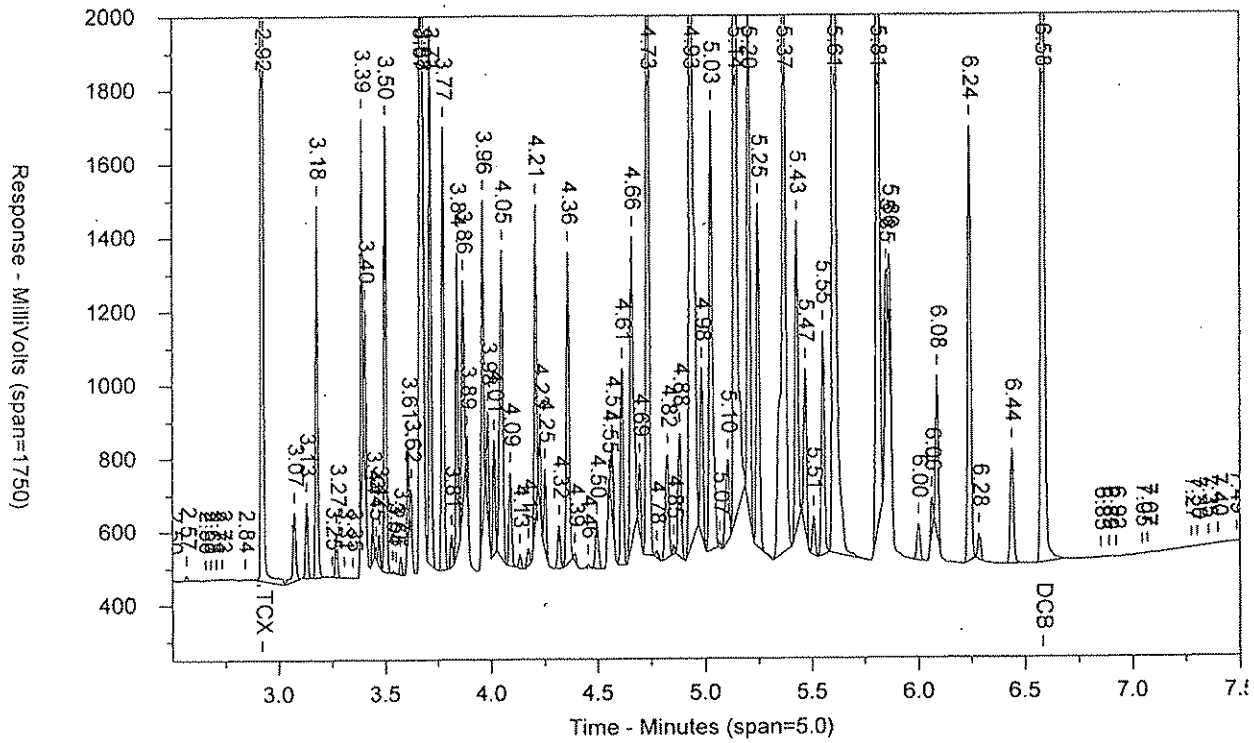

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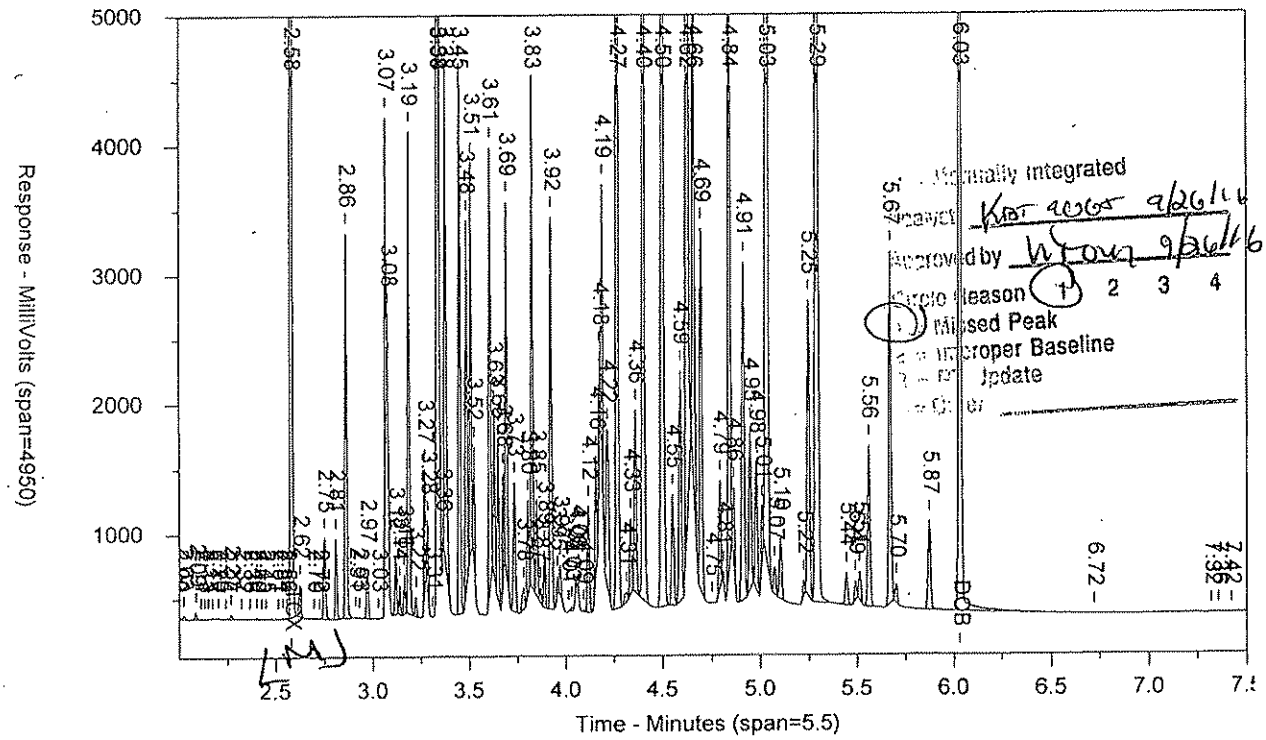


Manually integrated
Analyst KBT 9/26/16
Approved by W Young 9/26/16
Circle Reason 1 2 3 4
Missed Peak
Improper Baseline
Update
Other

LANCASTER LABORATORIES

Sample Number: LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 7:40:58 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10
Dilution Factor: 10

Threshold: 5
Calibration Type: external
Quantitation: Height

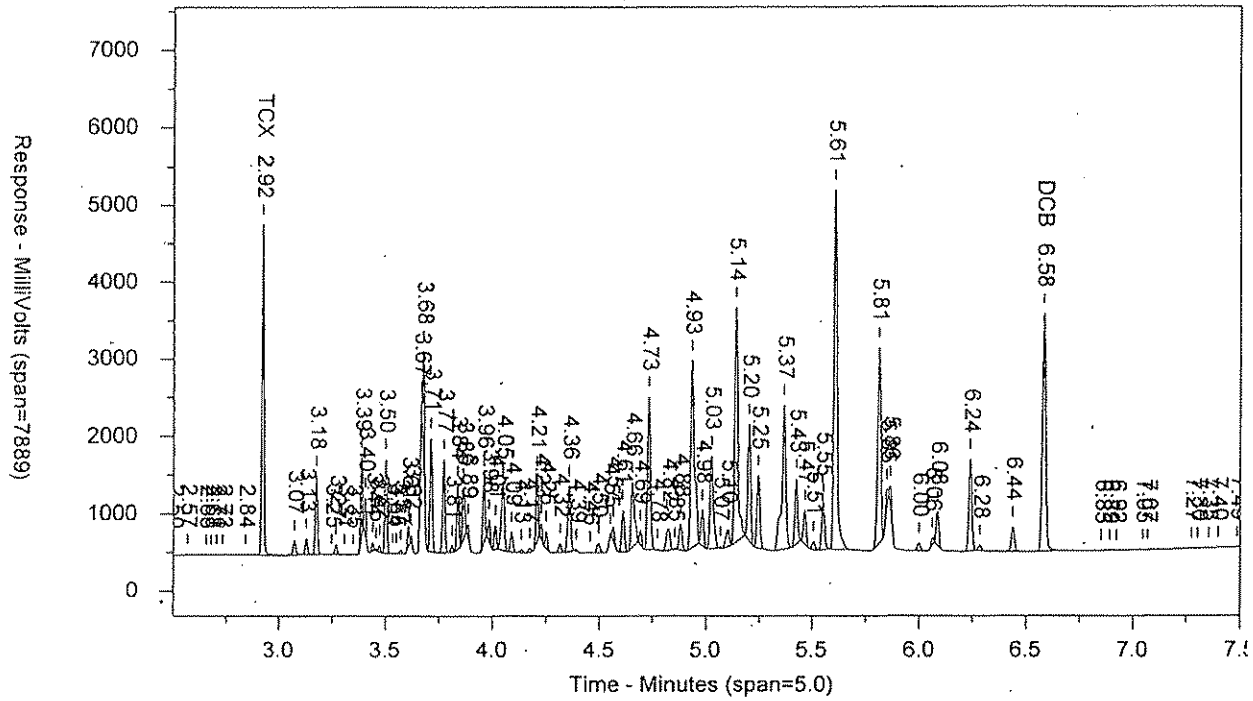
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.922	4282648	29.102	TCX	2.58	12668430	30.807	TCX
6.581	3084665	25.695	DCB	6.03	6422293	27.08	DCB

Files:
Area File: 07pcbs16242025.0010.BND
Area File: 07pcbs16242025B.0010.BND
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 7:49:46 PM
File Reported On: 9/26/2016 at 12:05:33 PM

LCSA 9/24/16 ACF ABLCS01268 LCS 162680001A 10225 SW-846 80

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242025.0010.BND



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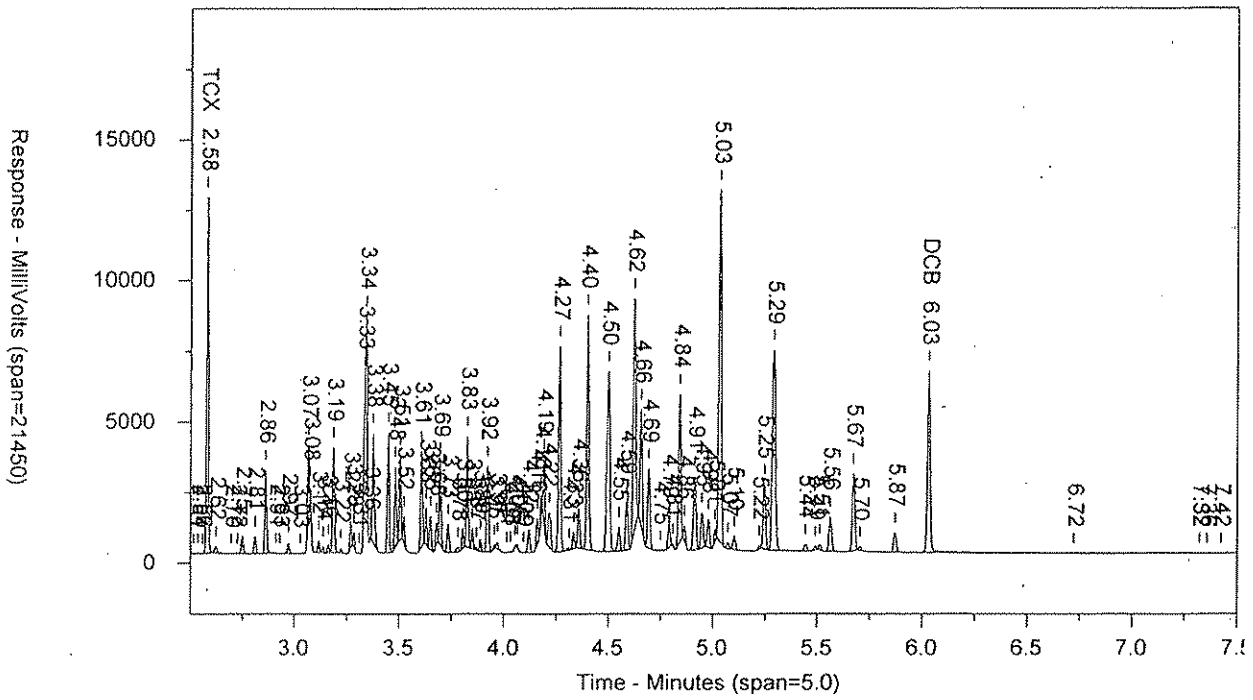

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Data Summary

Sample Name: 8585560 MSACF DF5 A7002 MS Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.44 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 22:09:23
Instrument	19843A
Result file	07PCBS16242025.0023.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

%SSR(TCX) 91% (46 - 148) Conc: 25.53681
%SSR(DCB) 89% (49 - 139) Conc: 25.0151

Analysis Report (B)

Injected on	Sep 25, 2016 22:09:23
Instrument	19843B
Result file	07PCBS16242025B.0023.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

%SSR(TCX) 99% (46 - 148) Conc: 27.8624
%SSR(DCB) 92% (49 - 139) Conc: 25.82655

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.92	2.94	784663	25.53681
Decachlorobiphenyl	6.56	6.58	6.62	627032	25.0151

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.55	2.58	2.61	2392324	27.8624
Decachlorobiphenyl	6.00	6.03	6.06	1278908	25.82655

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	27.8624				8.71	
☐ Decachlorobiphenyl	B	25.82655				3.19	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.44**	
3.15	3.18	3.19	225024.2	460.298748			1
3.36	3.39	3.40	228555.5	471.055035			2
3.48	3.50	3.52	259258.3	446.915343			3
3.69	3.71	3.73	308986.5	437.345264			4
3.75	3.77	3.79	250391.7	441.375943			5
3.94	3.96	3.98	196532.5	474.422281			6
Height summation:			**1468748.7**				
Concentration		CF:	**455.235436**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.37**	
2.83	2.86	2.87	658603.1	484.452021			1
3.16	3.19	3.20	840570.6	497.834565			2
3.35	3.38	3.39	832554.1	486.219517			3
3.42	3.45	3.46	873775	468.331303			4
3.58	3.61	3.62	619619.1	416.035391			5
3.67	3.69	3.71	634580.2	492.644471			6
Height summation:			**4459702.1**				
Concentration		CF:	**474.252878**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.25**	
4.72	4.73	4.76	835558.9	879.271454			1
5.01	5.02	5.05	698214.6	1294.473338			2
5.19	5.20	5.23	690832	1035.880273			3
5.35	5.37	5.39	937219.7	1137.813815			4
5.59	5.61	5.63	2543656	1233.952806			5
5.80	5.81	5.84	1416878	1171.683864			6
Height summation:			**7122359.2**				
Concentration		CF:	**1125.512592**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.60**	
4.24	4.26	4.28	3253565	1069.530072			1
4.38	4.40	4.42	3481480	1003.456086			2
4.48	4.50	4.52	2872132	1065.325236			3
4.82	4.84	4.86	2529261	1153.189432			4
5.01	5.03	5.05	6460177	1296.104763			5
5.27	5.29	5.31	3797416	1215.998005			6
Height summation:			**22394031**				
Concentration		CF:	**1133.933932**	L:			

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	474.252878	244.2529	47.4138		4.09	4	
☐ PCB-1221			<244.2529	<73.2759			3	
☐ PCB-1232			<244.2529	<58.908			4	
☐ PCB-1242			<244.2529	<58.908			4	
☐ PCB-1248			<244.2529	<47.4138			4	
☐ PCB-1254			<244.2529	<63.2184			4	
☐ PCB-1260	B	1133.933932	244.2529	56.0345		0.75	4	
☐ PCB-1262			<244.2529	<47.4138			4	
☐ PCB-1268			<244.2529	<47.4138			4	
☐ Total PCBs	A	1608.18681	244.2529	47.4138				

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Data Summary

Sample Name: 8585560 MSACF DF5 A7002 MS Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.44 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 22:09:23
Instrument	19843A
Result file	07PCBS16242025.0023.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

Analysis Report (B)

Injected on	Sep 25, 2016 22:09:23
Instrument	19843B
Result file	07PCBS16242025B.0023.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 26 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 26 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585560** MSACF DF5 A7002 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.44 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 22:09:23
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0023.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 91% (46-148) Conc.: 25.53681
%SSR(DCB) : 89% (49-139) Conc.: 25.0151

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.44	
3.15	3.18	3.19	225024.2	460.298748			1
3.36	3.39	3.40	228555.5	471.055035			2
+ 3.36	3.40	3.40	104438.8	215.249349			2
3.48	3.50	3.52	259258.3	446.915343			3
3.69	3.71	3.73	308986.5	437.345264			4
3.75	3.77	3.79	250391.7	441.375943			5
3.94	3.96	3.98	196532.5	474.422281			6
Height Summation:			1468748.7				
Amount Avg CF:			455.235436	Linear:			
Aroclor-1221					3	33.14	
3.05	3.07	3.09	41697.05	166.725957			1
3.10	3.13	3.14	48648.53	231.589925			2
3.15	3.18	3.19	225024.2	325.818621			3
Height Summation:			315369.78				
Amount Avg CF:			241.378168	Linear:			
Aroclor-1232					6	30.15	
3.15	3.18	3.19	225024.2	356.603491			1
3.36	3.39	3.40	228555.5	951.549062			2
+ 3.36	3.40	3.40	104438.8	434.811861			2
3.48	3.50	3.52	259258.3	919.518879			3
3.69	3.71	3.73	308986.5	853.731868			4
3.75	3.77	3.79	250391.7	951.733689			5
E 3.94	3.96	3.98	196532.5	1103.986213			6
Height Summation:			1468748.7				
Amount Avg CF:			856.1872	Linear:			
Aroclor-1242					6	3.82	
3.15	3.18	3.19	225024.2	608.347106			1
3.36	3.39	3.40	228555.5	630.834443			2
+ 3.36	3.40	3.40	104438.8	288.260804			2
3.48	3.50	3.52	259258.3	601.606433			3
3.69	3.71	3.73	308986.5	583.41957			4
3.75	3.77	3.79	250391.7	623.464773			5
3.94	3.96	3.98	196532.5	650.225969			6
Height Summation:			1468748.7				
Amount Avg CF:			616.316382	Linear:			
Aroclor-1248					6	64.49	
3.75	3.77	3.79	250391.7	809.724662			1
3.82	3.84	3.86	188051.7	352.848147			2
3.94	3.96	3.98	196532.5	332.628782			3
4.03	4.05	4.07	191876.2	400.321918			4
4.21	4.23	4.25	83869.15	161.079623			5
4.59	4.61	4.63	404139.9	1030.279299			6
Height Summation:			1314861.15				
Amount Avg CF:			514.480405	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 22:09:23
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0023.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 90% (46-148) Conc.: 27.8624
%SSR(DCB) Gur : 92% (49-139) Conc.: 25.82655

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.37	
2.83	2.86	2.87	658603.1	484.452021			1
+ 3.16	3.16	3.20	72321.34	42.832884			2
3.16	3.19	3.20	840570.6	497.834565			2
+ 3.35	3.36	3.39	33908.99	19.803173			3
3.35	3.38	3.39	832554.1	486.219517			3
3.42	3.45	3.46	873775	468.331303			4
3.58	3.61	3.62	619619.1	416.035391			5
+ 3.67	3.68	3.71	203530	158.006709			6
3.67	3.69	3.71	634580.2	492.644471			6
Height Summation:			4459702.1				
Amount Avg CF:			474.252878	Linear:			
Aroclor-1221					3	28.66	
+ 2.72	2.73	2.76	1241.136	1.572777			1
2.72	2.75	2.76	147100.4	186.406756			1
2.78	2.81	2.82	134517.8	289.164381			2
2.83	2.86	2.87	658603.1	339.029387			3
Height Summation:			940221.3				
Amount Avg CF:			271.533508	Linear:			
Aroclor-1232					6	29.20	
2.83	2.86	2.87	658603.1	368.083335			1
+ 3.16	3.16	3.20	72321.34	84.813735			2
E 3.16	3.19	3.20	840570.6	985.766192			2
+ 3.35	3.36	3.39	33908.99	39.82329			3
E 3.35	3.38	3.39	832554.1	977.765587			3
E 3.42	3.45	3.46	873775	1021.521896			4
E 3.58	3.61	3.62	619619.1	973.675517			5
+ 3.67	3.68	3.71	203530	342.510971			6
E 3.67	3.69	3.71	634580.2	1067.904883			6
Height Summation:			4459702.1				
Amount Avg CF:			899.119568	Linear:			
Aroclor-1242					6	4.85	
2.83	2.86	2.87	658603.1	626.220616			1
+ 3.16	3.16	3.20	72321.34	57.634826			2
3.16	3.19	3.20	840570.6	669.873373			2
+ 3.35	3.36	3.39	33908.99	26.731726			3
3.35	3.38	3.39	832554.1	656.333553			3
3.42	3.45	3.46	873775	669.4587			4
3.58	3.61	3.62	619619.1	589.128836			5
+ 3.67	3.68	3.71	203530	209.37782			6
3.67	3.69	3.71	634580.2	652.812947			6
Height Summation:			4459702.1				
Amount Avg CF:			643.971338	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585560** MSACF DF5 A7002 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.44 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 22:09:23
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0023.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	104.38	
4.19	4.20	4.23	238132.6	395.936484			1
+ 4.19	4.23	4.23	83869.15	139.446915			1
4.53	4.55	4.57	70138.4	111.012789			2
+ 4.53	4.56	4.57	38305.51	60.628721			2
4.60	4.61	4.64	404139.9	312.859386			3
4.72	4.73	4.76	835558.9	2088.184542			4
4.81	4.82	4.85	330964.5	361.816763			5
5.01	5.02	5.05	698214.6	948.074553			6
Height Summation:			2577148.9				
Amount Avg CF:			702.980753	Linear:			
Aroclor-1260					6	13.25	
4.72	4.73	4.76	835558.9	879.271454			1
5.01	5.02	5.05	698214.6	1294.473338			2
5.19	5.20	5.23	690832	1035.880273			3
5.35	5.37	5.39	937219.7	1137.813815			4
5.59	5.61	5.63	2543656	1233.952806			5
5.80	5.81	5.84	1416878	1171.683864			6
Height Summation:			7122359.2				
Amount Avg CF:			1125.512592	Linear:			
Aroclor-1262					6	45.56	
5.19	5.20	5.23	690832	587.898734			1
5.35	5.37	5.39	937219.7	899.436143			2
E 5.59	5.61	5.63	2543656	985.592274			3
5.80	5.81	5.84	1416878	925.052371			4
5.85	5.86	5.89	100594.7	136.057652			5
6.22	6.24	6.26	636901.4	651.31993			6
Height Summation:			6326081.8				
Amount Avg CF:			697.559517	Linear:			
Aroclor-1268					6	167.13	
5.79	5.81	5.83	1416878	439.764323			1
5.85	5.86	5.89	100594.7	36.524311			2
5.98	6.00	6.02	32352.07	12.005281			3
E 6.07	6.08	6.11	234538.4	2730.786826			4
6.22	6.24	6.26	636901.4	553.73057			5
6.42	6.43	6.46	144192.7	15.424277			6
Height Summation:			2565457.27				
Amount Avg CF:			631.372598	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 22:09:23
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0023.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	56.36	
+ 3.35	3.36	3.39	33908.99	46.853396			1
3.35	3.38	3.39	832554.1	1150.373021			1
3.46	3.48	3.50	673410.2	381.780514			2
3.58	3.61	3.62	619619.1	307.905171			3
+ 3.67	3.68	3.71	203530	135.09792			4
3.67	3.69	3.71	634580.2	421.21783			4
+ 3.80	3.80	3.84	197529.4	70.494634			5
3.80	3.82	3.84	1181277	421.576182			5
+ 4.15	4.16	4.19	320832.4	258.947622			6
4.15	4.18	4.19	808205.2	652.311969			6
+ 4.15	4.19	4.19	636974.6	514.109728			6
Height Summation:			4749645.8				
Amount Avg CF:			555.860781	Linear:			
Aroclor-1254					6	103.87	
4.10	4.12	4.14	508591.3	218.515964			1
4.16	4.18	4.20	808205.2	198.443644			2
+ 4.16	4.19	4.20	636974.6	156.400331			2
4.25	4.26	4.29	3253565	1704.856968			3
4.31	4.33	4.35	906604.2	364.814464			4
4.38	4.40	4.42	3481480	2483.950649			5
4.53	4.55	4.57	903943	530.625238			6
Height Summation:			9862388.7				
Amount Avg CF:			916.867821	Linear:			
Aroclor-1260					6	9.60	
4.24	4.26	4.28	3253565	1069.530072			1
4.38	4.40	4.42	3481480	1003.456086			2
4.48	4.50	4.52	2872132	1065.325236			3
4.82	4.84	4.86	2529261	1153.189432			4
5.01	5.03	5.05	6460177	1296.104763			5
5.27	5.29	5.31	3797416	1215.998005			6
Height Summation:			22394031				
Amount Avg CF:			1133.933932	Linear:			
Aroclor-1262					6	27.22	
4.64	4.65	4.68	1966832	557.38293			1
4.82	4.84	4.86	2529261	729.85123			2
E 5.01	5.03	5.05	6460177	1003.007284			3
5.23	5.24	5.27	1179920	488.242509			4
5.27	5.29	5.31	3797416	928.725411			5
5.65	5.67	5.69	1533200	722.366008			6
Height Summation:			17466806				
Amount Avg CF:			738.262562	Linear:			
Aroclor-1268					6	119.38	
5.23	5.24	5.27	1179920	153.291835			1
5.27	5.29	5.31	3797416	499.638345			2
5.42	5.44	5.46	92027.12	15.105342			3
5.49	5.51	5.53	60632.27	37.922537			4
5.65	5.67	5.69	1533200	617.27758			5
5.85	5.87	5.89	343987.5	18.30095			6
Height Summation:			7007182.89				
Amount Avg CF:			223.589432	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			244.2529	47.4138		4.09	4	40	
Aroclor-1221			244.2529	73.2759		11.76	3	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585560** MSACF DF5 A7002 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.44 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 22:09:23
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0023.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Sep 25, 2016 22:09:23
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0023.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1232			244.2529	58.908	E	4.89	4	40	
Aroclor-1242			244.2529	58.908		4.39	4	40	
Aroclor-1248			244.2529	47.4138		7.73	4	40	
Aroclor-1254			244.2529	63.2184		26.41	4	40	
Aroclor-1260			244.2529	56.0345		0.75	4	40	
Aroclor-1262			244.2529	47.4138	E	5.67	4	40	
Aroclor-1268			244.2529	47.4138	E	** 95.39	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8585560MSACF DF5' ACA7002 MS 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 10:09:23 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.559		7602	29240
1.576		12582	11942
1.639		1330	1472
1.682		5107	5343
1.746		4979	6504
1.763		3295	3371
1.813		1617	1376
1.879		1893	902
1.936		6214	15539
1.985		19541	25222
2.009		19729	18333
2.045		25672	51290
2.097		24961	72166
2.159		18796	49082
2.202		31466	40139
2.221		19156	58941
2.287		15477	18064
2.312		41472	66380
2.388		15557	37348
2.457		9412	28777
2.503		4290	4284
2.565		4404	3199
2.627		1824	1654
2.647		11399	7793
2.711		1598	3551
2.731		2405	2069
2.77		4919	5569
2.794		3782	2542
2.823		3655	3125
2.842		3279	3791
2.882		1984	2346
2.92	TCX	784663	538361
2.973		2238	6377
3.034		3254	2270
3.072		41697	36286
3.128		48649	39906
3.175		225024	158486
3.223		8457	4846
3.267		28336	18863
3.309		2063	1596
3.386		228556	135360
3.402		104439	53613
3.438		25168	14352
3.454		8621	3323
3.471		20889	12077
3.499		259258	183258
3.546		2186	958
3.572		15832	11403
3.606		55706	30972
3.62		27032	12625
3.664		111172	59552
3.675		270861	135666
3.71		308987	237866

RT A	Compound A	Height A	Area A
3.771		250392	201026
3.81		17813	11323
3.836		188052	136984
3.862		135598	117223
3.883		33623	17369
3.959		196533	144511
3.982		68875	42950
4.013		75705	54624
4.048		191876	206789
4.087		62385	53723
4.133		12207	9035
4.171		14871	12425
4.205		238133	175445
4.225		83869	49689
4.248		92945	69140
4.315		54439	46010
4.357		312652	303573
4.392		84787	67171
4.433		6219	5047
4.454		9492	6543
4.495		105477	109238
4.549		70138	49589
4.563		38306	18620
4.579		20348	11091
4.61		404140	353951
4.655		339775	377226
4.693		112023	86026
4.731		835559	815194
4.781		35970	37103
4.823		330965	334961
4.852		11056	6279
4.878		184957	170856
4.931		1204041	1511940
4.98		201107	179892
5.024		698215	747684
5.066		33138	22550
5.103		127697	153660
5.14		1541098	1743404
5.201		690832	651753
5.245		462718	465557
5.366		937220	1339808
5.424		446083	409713
5.464		237201	210626
5.505		47952	49720
5.55		336170	301632
5.576		15081	7296
5.605		2543656	2533443
5.698		4851	5380
5.811		1416878	1472802
5.85		129893	140821
5.863		100595	75225
5.995		32352	37737
6.058		43180	31872
6.082		234538	208957
6.237		636901	634721
6.282		41384	38589
6.351		2430	3177
6.433		144193	147236
6.49		2272	1509
6.577	DCB	627032	675417
6.795		1201	2818
6.842		2510	2252
6.881		6130	7006
6.939		1363	349
7.038		5151	8210
7.093		1238	1260

RT A	Compound A	Height A	Area A
7.179		1200	1539
7.211		1104	792
7.256		1378	1571
7.28		1153	548
7.338		870	613
7.392		1314	1971
7.416		1254	801
7.509		1094	544
7.535		1500	1112
7.594		1282	1496
7.613		1850	1499
7.685		2104	1826
7.731		35048	56806
7.8		1238	2030
7.839		1120	958
7.947		1291	546
7.982		19208	33876
8.057		1472	827
8.092		1451	671
8.151		1807	1875
8.176		1544	1919
8.229		1320	725
8.283		1461	1373
8.382		1517	786
8.473		1397	1427
8.64		1784	1365

LANCASTER LABORATORIES

Sample Number: 8585560MSACF DF5 ACA7002 MS 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 10:09:23 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.507		1718	1009
1.532		4037	4837
1.561		7471	7493
1.603		3085	2283
1.632		1188	1169
1.656		4453	3224
1.717		14065	17987
1.749		17265	15416
1.77		34679	52530
1.846		37262	91275
1.895		93914	91622
1.927		49867	47704
1.971		22443	46690
2		11928	17446
2.023		11060	13482
2.083		13196	12642
2.128		6851	12562
2.178		4612	7593
2.201		4735	5143
2.266		9034	10007
2.33		38263	28499
2.361		1738	1982
2.425		1903	3904
2.459		5657	10529
2.513		15988	22882
2.555		1998	1327
2.578	TCX	2392324	1435342
2.622		60278	44008
2.666		4627	7215
2.726		1241	668
2.748		147100	99328
2.809		134518	81988
2.86		658603	404175
2.883		40516	17606
2.908		2252	1258
2.97		90169	56570
3.026		1097	618
3.066		885765	823098
3.117		100506	59953
3.137		48553	27679
3.162		72321	37995
3.186		840571	549838
3.223		51291	33489
3.268		212887	110729
3.284		127928	63834
3.333		386819	185529
3.341		848051	336508
3.362		33909	12285
3.375		832554	554703
3.447		873775	550845
3.483		673410	415629
3.505		725117	394510
3.523		210498	102336
3.607		619619	420775

3.628		296726	157775
3.649		294443	168882
3.677		203530	104494
3.694		634580	381459
3.734		232544	168172
3.78		61581	53878
3.803		197529	118823
3.824		1181277	779118
3.848		311779	177574
3.867		55285	26531
3.887		198529	123164
3.921		1144279	787833
3.952		362343	220886
3.967		76625	31832
4.028		49266	42994
4.061		306531	289323
4.09		30407	20595
4.116		508591	361926
4.156		320832	292113
4.175		808205	425166
4.188		636975	320247
4.213		502961	500905
4.264		3253565	2443841
4.301		134095	112967
4.332		906604	602034
4.357		689634	505926
4.398		3481481	2757619
4.498		2872132	2875274
4.546		903943	779270
4.587		941280	811946
4.622		4592103	3811637
4.655		1966832	1388398
4.692		1151100	939323
4.748		10089	5221
4.763		9243	5025
4.789		370718	255964
4.806		81997	44541
4.838		2529261	1910524
4.861		491820	305470
4.911		1361742	1227116
4.945		693857	555844
4.976		546788	421006
5.007		233525	138694
5.03		6460177	5455559
5.071		118123	84418
5.101		209360	169885
5.145		4157	3194
5.168		7038	5160
5.221		56753	34621
5.244		1179920	966340
5.288		3797416	4174425
5.443		92027	80120
5.49		104644	77764
5.512		60632	40598
5.535		3071	990
5.56		681530	570232
5.606		6339	7172
5.67		1533200	1291811
5.701		81348	59663
5.755		4369	5905
5.869		343988	311147
5.962		4858	5936
6.027	DCB	1278908	1228397
6.225		26593	24882
6.297		7836	9522
6.448		7833	7713
6.505		1872	3357

6.627	1204	725
6.749	1339	1692
6.924	60090	69225
7.321	1155	1905
7.347	3311	4558
7.431	24425	30970
8.249	2168	2833
8.419	1038	1477
8.533	870	1029

8585560MSACF DF5 ACA7002 MS 162680001A 10225 SW-846 8082

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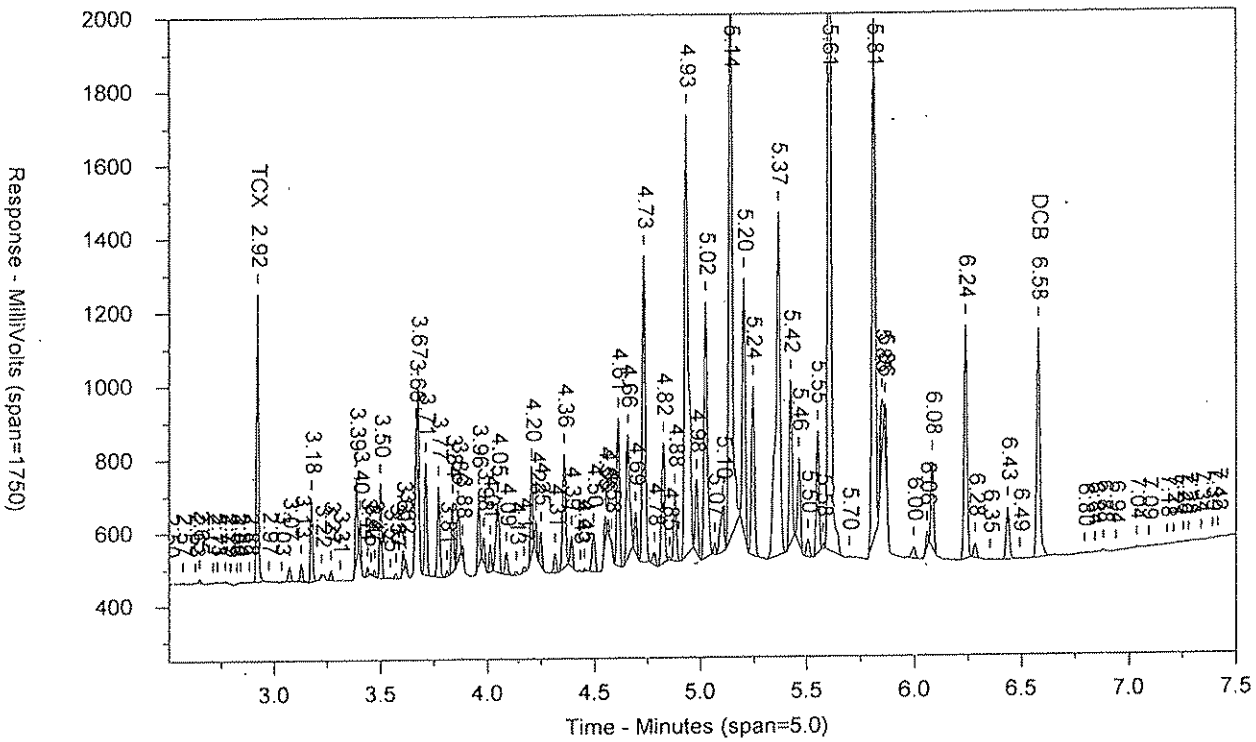

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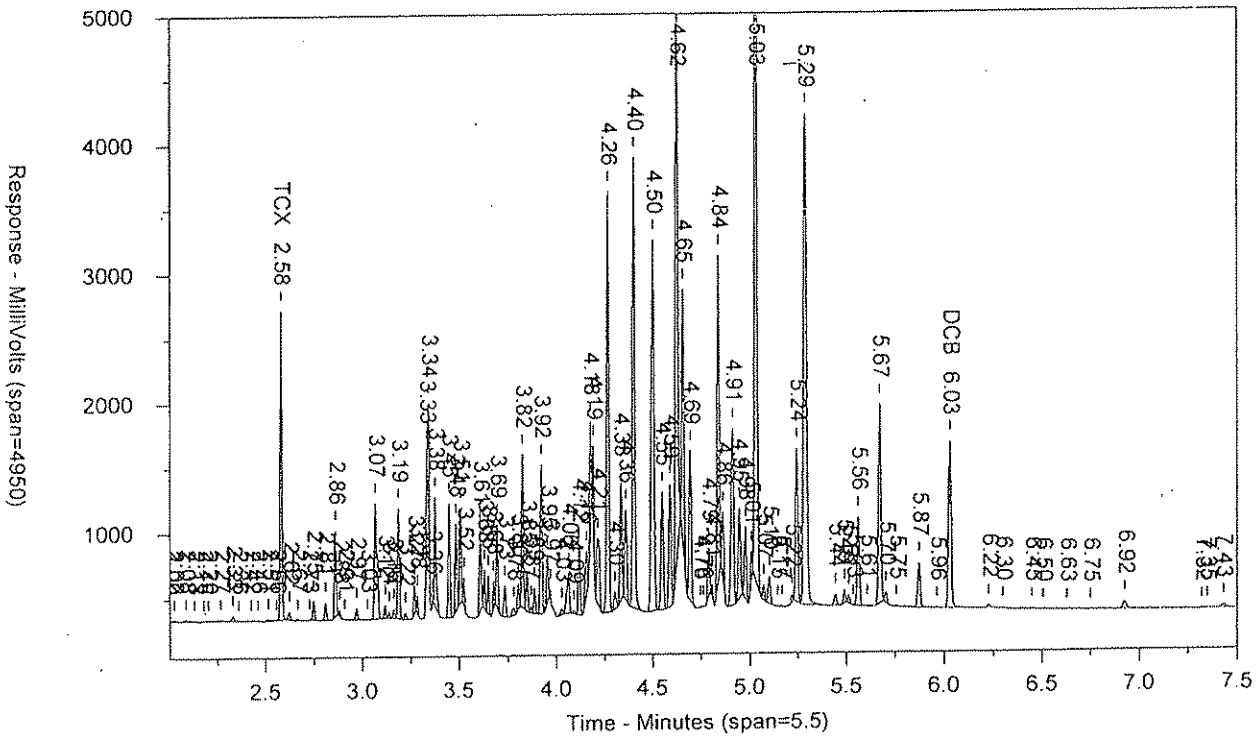

LANCASTER LABORATORIES

Sample Number: 8585560MSACF DF5 ACA7002 MS 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 10:09:23 PM
Sample Weight: 10.44
Dilution Factor: 50
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 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
2.92	784663	25.537	TCX	2.578	2392324	27.862	TCX
6.577	627032	25.015	DCB	6.027	1278908	25.827	DCB

Files:
Area File: 07pcbs16242025.0023.RAW
Area File: 07pcbs16242025B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 10:18:06 PM
File Reported On: 9/25/2016 at 10:18:12 PM

8585560MSACF DF5 ACA7002 MS 162680001A 10225 SW-846 8082

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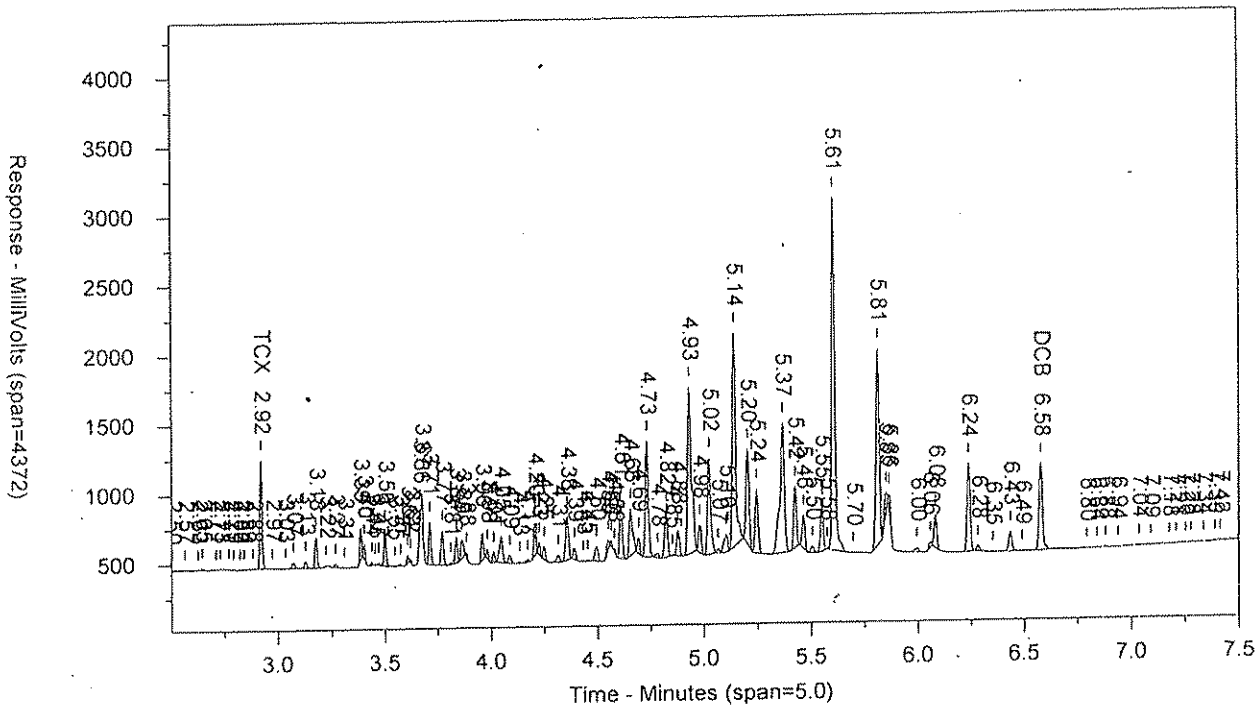

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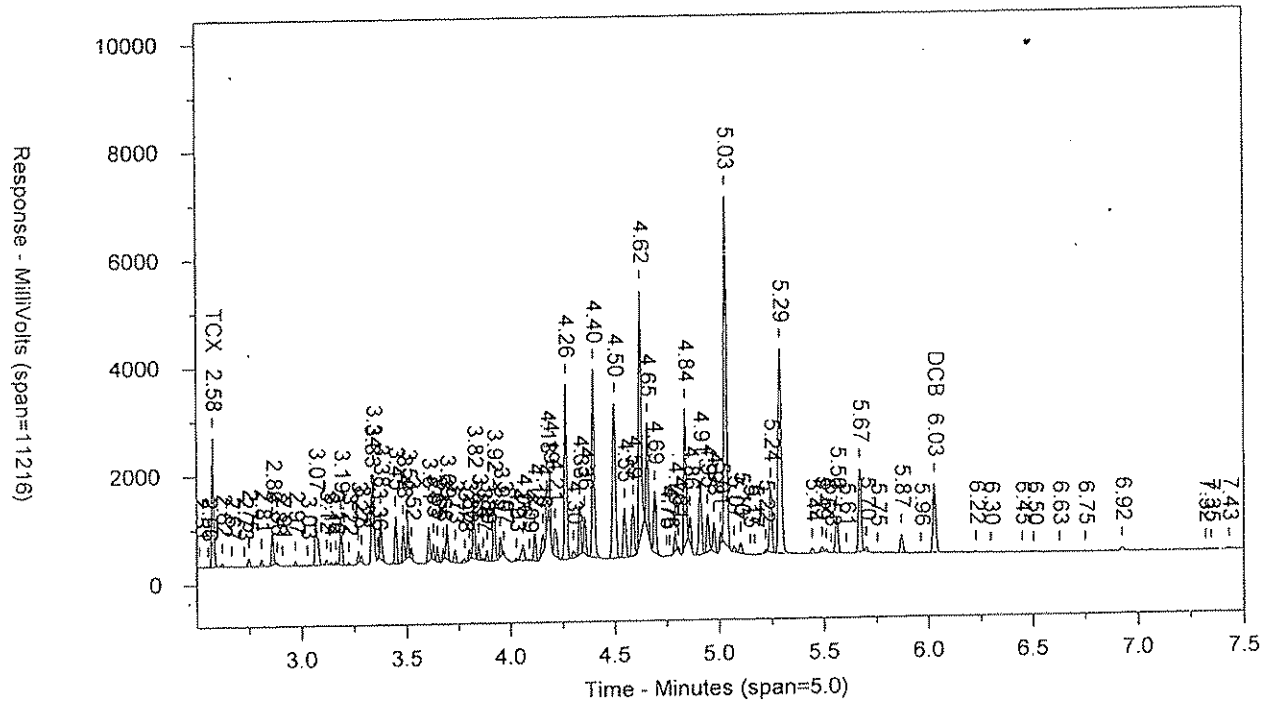

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Data Summary

Sample Name: 8585561 MSDACF DF5 A7002 MSD Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.17 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 22:20:39
Instrument	19843A
Result file	07PCBS16242025.0024.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

%SSR(TCX) 97% (46 - 148) Conc: 27.9216
%SSR(DCB) 93% (49 - 139) Conc: 26.86369

Analysis Report (B)

Injected on	Sep 25, 2016 22:20:39
Instrument	19843B
Result file	07PCBS16242025B.0024.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

%SSR(TCX) 101% (46 - 148) Conc: 28.96965
%SSR(DCB) 97% (49 - 139) Conc: 27.89919

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.88	2.92	2.94	835751	27.9216
Decachlorobiphenyl	6.56	6.58	6.62	655955	26.86369

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.55	2.58	2.61	2423065	28.96965
Decachlorobiphenyl	6.00	6.03	6.06	1345814	27.89919

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	28.96965				3.68	
☐ Decachlorobiphenyl	B	27.89919				3.78	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.14**	
3.15	3.18	3.19	230300.4	483.598344			1
3.36	3.39	3.40	231806.8	490.439782			2
3.48	3.50	3.52	270588.8	478.830668			3
3.69	3.71	3.73	314386.5	456.80238			4
3.75	3.77	3.79	252208.7	456.381824			5
3.94	3.96	3.98	195840.2	485.302008			6
Height summation:			**1495131.4**				
Concentration		CF:	**475.225834**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**0.96**	
2.83	2.86	2.87	687139.1	518.861215			1
3.16	3.19	3.20	845393.6	513.983706			2
3.35	3.38	3.39	845157.2	506.683737			3
3.42	3.45	3.46	921389.6	506.963187			4
3.58	3.61	3.62	737301.7	508.194852			5
3.67	3.69	3.71	644936.4	513.976817			6
Height summation:			**4681317.6**				
Concentration		CF:	**511.443919**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.36**	
4.72	4.73	4.76	677369.7	731.730598			1
5.01	5.02	5.05	511577.1	973.631969			2
5.19	5.20	5.23	531793.9	818.577896			3
5.35	5.37	5.39	704324.4	877.772708			4
5.59	5.61	5.63	1704928	849.035328			5
5.80	5.81	5.84	1043907	886.174701			6
Height summation:			**5173900.1**				
Concentration		CF:	**856.153867**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.94**	
4.24	4.26	4.28	2469920	833.481463			1
4.38	4.40	4.42	2942917	870.747079			2
4.48	4.50	4.52	2110766	803.706453			3
4.82	4.84	4.86	1889601	884.416145			4
5.01	5.03	5.05	4749898	978.271764			5
5.27	5.29	5.31	2769320	910.326896			6
Height summation:			**16932422**				
Concentration		CF:	**880.1583**	L:			

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	511.443919	250.7375	48.6726		7.34	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	B	880.1583	250.7375	57.5221		2.76	4	
☐ PCB-1262			<250.7375	<48.6726			4	
☐ PCB-1268			<250.7375	<48.6726			4	
☐ Total PCBs	A	1391.602219	250.7375	48.6726				

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Data Summary

Sample Name: 8585561 MSDACF DF5 A7002 MSD Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.17 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Sep 25, 2016 22:20:39
Instrument	19843A
Result file	07PCBS16242025.0024.RAW
Calibration file	07PCBS1624201
Method file	07PCBS

Analysis Report (B)

Injected on	Sep 25, 2016 22:20:39
Instrument	19843B
Result file	07PCBS16242025B.0024.RAW
Calibration file	07PCBS1624201B
Method file	07PCBSB

Units: ug/kg

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

Reviewed by: Kirby B. Turner
Associate Chemist
Date: SEP 26 2016

Verified by: Valerie L. Tomayko
Principal Specialist
Date: SEP 26 2016

9/26/2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585561** MSDACF DF5 A7002 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.17 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 22:20:39
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0024.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 97% (46-148) Conc.: 27.9216
%SSR(DCB) : 93% (49-139) Conc.: 26.86369

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.14	
3.15	3.18	3.19	230300.4	483.598344			1
3.36	3.39	3.40	231806.8	490.439782			2
+ 3.36	3.40	3.40	98828.29	209.093629			2
3.48	3.50	3.52	270588.8	478.830668			3
3.69	3.71	3.73	314386.5	456.80238			4
3.75	3.77	3.79	252208.7	456.381824			5
3.94	3.96	3.98	195840.2	485.302008			6
Height Summation:			1495131.4				
Amount Avg CF:			475.225834	Linear:			
Aroclor-1221					3	34.33	
3.05	3.07	3.09	41927.26	172.097244			1
3.10	3.13	3.14	48402.58	236.536408			2
3.15	3.18	3.19	230300.4	342.311045			3
Height Summation:			320630.24				
Amount Avg CF:			250.314899	Linear:			
Aroclor-1232					6	29.68	
3.15	3.18	3.19	230300.4	374.654197			1
E 3.36	3.39	3.40	231806.8	990.706988			2
+ 3.36	3.40	3.40	98828.29	422.377072			2
E 3.48	3.50	3.52	270588.8	985.183985			3
3.69	3.71	3.73	314386.5	891.713666			4
E 3.75	3.77	3.79	252208.7	984.09069			5
E 3.94	3.96	3.98	195840.2	1129.303466			6
Height Summation:			1495131.4				
Amount Avg CF:			892.608832	Linear:			
Aroclor-1242					6	2.97	
3.15	3.18	3.19	230300.4	639.140677			1
3.36	3.39	3.40	231806.8	656.794396			2
+ 3.36	3.40	3.40	98828.29	280.017096			2
3.48	3.50	3.52	270588.8	644.568629			3
3.69	3.71	3.73	314386.5	609.375406			4
3.75	3.77	3.79	252208.7	644.661301			5
3.94	3.96	3.98	195840.2	665.137328			6
Height Summation:			1495131.4				
Amount Avg CF:			643.279623	Linear:			
Aroclor-1248					6	54.89	
3.75	3.77	3.79	252208.7	837.253646			1
3.82	3.84	3.86	191994.5	369.810222			2
3.94	3.96	3.98	195840.2	340.256818			3
4.03	4.05	4.07	194873	417.368315			4
+ 4.21	4.22	4.25	70998.91	139.981161			5
4.21	4.25	4.25	82052.35	161.774078			5
4.59	4.61	4.63	297124.9	777.574193			6
Height Summation:			1214093.65				
Amount Avg CF:			484.006212	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 22:20:39
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0024.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 101% (46-148) Conc.: 28.96965
%SSR(DCB) : 97% (49-139) Conc.: 27.89919

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	0.96	
2.83	2.86	2.87	687139.1	518.861215			1
+ 3.16	3.16	3.20	72990.62	44.37695			2
3.16	3.19	3.20	845393.6	513.983706			2
+ 3.35	3.36	3.39	29209.76	17.511666			3
3.35	3.38	3.39	845157.2	506.683737			3
3.42	3.45	3.46	921389.6	506.963187			4
3.58	3.61	3.62	737301.7	508.194852			5
+ 3.67	3.68	3.71	190916.2	152.149112			6
3.67	3.69	3.71	644936.4	513.976817			6
Height Summation:			4681317.6				
Amount Avg CF:			511.443919	Linear:			
Aroclor-1221					3	29.95	
2.72	2.75	2.76	149835.5	194.913564			1
2.78	2.81	2.82	147020	324.429998			2
2.83	2.86	2.87	687139.1	363.109642			3
Height Summation:			983994.6				
Amount Avg CF:			294.151068	Linear:			
Aroclor-1232					6	29.90	
2.83	2.86	2.87	687139.1	394.227206			1
+ 3.16	3.16	3.20	72990.62	87.871152			2
E 3.16	3.19	3.20	845393.6	1017.743237			2
+ 3.35	3.36	3.39	29209.76	35.215172			3
E 3.35	3.38	3.39	845157.2	1018.918214			3
E 3.42	3.45	3.46	921389.6	1105.785567			4
E 3.58	3.61	3.62	737301.7	1189.362481			5
+ 3.67	3.68	3.71	190916.2	329.813465			6
E 3.67	3.69	3.71	644936.4	1114.146986			6
Height Summation:			4681317.6				
Amount Avg CF:			973.363948	Linear:			
Aroclor-1242					6	3.15	
2.83	2.86	2.87	687139.1	670.699215			1
+ 3.16	3.16	3.20	72990.62	59.712481			2
3.16	3.19	3.20	845393.6	691.603243			2
+ 3.35	3.36	3.39	29209.76	23.638487			3
3.35	3.38	3.39	845157.2	683.957607			3
3.42	3.45	3.46	921389.6	724.681254			4
3.58	3.61	3.62	737301.7	719.631665			5
+ 3.67	3.68	3.71	190916.2	201.615803			6
3.67	3.69	3.71	644936.4	681.080861			6
Height Summation:			4681317.6				
Amount Avg CF:			695.275641	Linear:			
Aroclor-1248					6	59.72	
+ 3.35	3.36	3.39	29209.76	41.431796			1
3.35	3.38	3.39	845157.2	1198.790425			1
3.46	3.48	3.50	674963.6	392.820339			2
3.58	3.61	3.62	737301.7	376.111806			3
+ 3.67	3.68	3.71	190916.2	130.089594			4
3.67	3.69	3.71	644936.4	439.457281			4
+ 3.80	3.80	3.84	199703.7	73.162742			5
3.80	3.82	3.84	1070584	392.215374			5
+ 4.15	4.16	4.19	270109.9	223.79674			6
+ 4.15	4.18	4.19	536098.1	444.178487			6
4.15	4.19	4.19	542202.5	449.236224			6
Height Summation:			4515145.4				
Amount Avg CF:			541.438575	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8585561** MSDACF DF5 A7002 Sample ID: AC **Batchnumber: 162680001A**
Sample Amount: 10.17 g Total Volume: 50 ml Analyst: 2855 SDG: ATD70 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 25, 2016 22:20:39
Instrument : CP 7--19843A
Result file : 07PCBS16242025.0024.RAW
Calibration file : 07PCBS1624201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	108.10	
4.19	4.20	4.23	223311.1	381.150528			1
+ 4.19	4.22	4.23	70998.91	121.181939			1
4.53	4.55	4.57	47718.15	77.531878			2
+ 4.53	4.56	4.57	36015.36	58.517325			2
4.60	4.61	4.64	297124.9	236.121783			3
4.72	4.73	4.76	677369.7	1737.7893			4
4.81	4.82	4.85	225142.2	252.664207			5
5.01	5.02	5.05	511577.1	713.089769			6
Height Summation:			**1982243.15**				
Amount Avg CF:			**566.391244**	Linear:			
Aroclor-1260					6	9.36	
4.72	4.73	4.76	677369.7	731.730598			1
5.01	5.02	5.05	511577.1	973.631969			2
5.19	5.20	5.23	531793.9	818.577896			3
5.35	5.37	5.39	704324.4	877.772708			4
5.59	5.61	5.63	1704928	849.035328			5
5.80	5.81	5.84	1043907	886.174701			6
Height Summation:			**5173900.1**				
Amount Avg CF:			**856.153867**	Linear:			
Aroclor-1262					6	42.54	
5.19	5.20	5.23	531793.9	464.571941			1
5.35	5.37	5.39	704324.4	693.874946			2
5.59	5.61	5.63	1704928	678.148026			3
5.80	5.81	5.84	1043907	699.640948			4
5.85	5.86	5.89	90159.41	125.181018			5
6.22	6.24	6.26	457236.3	480.001298			6
Height Summation:			**4532349.01**				
Amount Avg CF:			**523.569696**	Linear:			
Aroclor-1268					6	166.02	
5.79	5.81	5.83	1043907	332.605091			1
5.85	5.86	5.89	90159.41	33.604508			2
5.98	6.00	6.02	28162.03	10.727877			3
E 6.07	6.08	6.11	169028.3	2020.285795			4
6.22	6.24	6.26	457236.3	408.081159			5
6.42	6.43	6.46	105506.8	11.585681			6
Height Summation:			**1893999.84**				
Amount Avg CF:			**469.481685**	Linear:			

Analysis Report (B)

Injected on : Sep 25, 2016 22:20:39
Instrument : CP 7--19843B
Result file : 07PCBS16242025B.0024.RAW
Calibration file : 07PCBS1624201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	112.00	
4.10	4.12	4.14	403781.1	178.090099			1
+ 4.16	4.18	4.20	536098.1	135.126139			2
4.16	4.19	4.20	542202.5	136.664783			2
4.25	4.26	4.29	2469920	1328.589739			3
4.31	4.33	4.35	610999.6	252.39154			4
4.38	4.40	4.42	2942917	2155.443374			5
4.53	4.55	4.57	612998.8	369.390759			6
Height Summation:			**7582819**				
Amount Avg CF:			**736.761716**	Linear:			
Aroclor-1260					6	6.94	
4.24	4.26	4.28	2469920	833.481463			1
4.38	4.40	4.42	2942917	870.747079			2
4.48	4.50	4.52	2110766	803.706453			3
4.82	4.84	4.86	1889601	884.416145			4
5.01	5.03	5.05	4749898	978.271764			5
5.27	5.29	5.31	2769320	910.326896			6
Height Summation:			**16932422**				
Amount Avg CF:			**880.1583**	Linear:			
Aroclor-1262					6	27.47	
4.64	4.65	4.68	1415988	411.931988			1
4.82	4.84	4.86	1889601	559.745167			2
5.01	5.03	5.05	4749898	757.048144			3
5.23	5.24	5.27	883801.2	375.419787			4
5.27	5.29	5.31	2769320	695.267359			5
5.65	5.67	5.69	1059742	512.552296			6
Height Summation:			**12768350.2**				
Amount Avg CF:			**551.994123**	Linear:			
Aroclor-1268					6	114.99	
5.23	5.24	5.27	883801.2	117.869269			1
5.27	5.29	5.31	2769320	374.041916			2
5.42	5.44	5.46	79177.4	13.341219			3
5.49	5.51	5.53	60123.59	38.602729			4
5.65	5.67	5.69	1059742	437.987167			5
5.85	5.87	5.89	258699.4	14.128822			6
Height Summation:			**5110863.59**				
Amount Avg CF:			**165.995187**	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		7.34	4	40	
Aroclor-1221			250.7375	75.2212		16.10	3	40	
Aroclor-1232			250.7375	60.472	E	8.66	4	40	
Aroclor-1242			250.7375	60.472		7.77	4	40	
Aroclor-1248			250.7375	48.6726		11.20	4	40	
Aroclor-1254			250.7375	64.8968		26.15	4	40	
Aroclor-1260			250.7375	57.5221		2.76	4	40	
Aroclor-1262			250.7375	48.6726		5.29	4	40	
Aroclor-1268			250.7375	48.6726	E	** 95.51	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8585561MSDACF DF5 ACA7002 MSD 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 10:20:39 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1624201.CAL

RT A	Compound A	Height A	Area A
1.535		7197	14547
1.576		14270	31760
1.656		4879	3977
1.683		6091	9240
1.746		4099	7835
1.831		839	871
1.878		1427	1566
2.005		8795	15046
2.044		15041	30909
2.101		21637	54794
2.157		13448	27635
2.203		13401	14150
2.222		6262	4650
2.285		1620	1241
2.312		24796	20522
2.39		6885	12312
2.445		1826	3807
2.567		4683	3888
2.627		1432	919
2.648		5041	3642
2.697		3436	5238
2.729		3136	2352
2.753		1336	903
2.771		4038	3425
2.799		3703	2337
2.819		1680	897
2.843		2113	2647
2.875		2426	2862
2.92	TCX	835751	559477
3.046		2484	3136
3.072		41927	37005
3.128		48403	34268
3.175		230300	160592
3.222		9259	12119
3.267		28695	19962
3.386		231807	137842
3.402		98828	52947
3.438		26368	14857
3.453		8647	3619
3.47		21769	12474
3.499		270589	195120
3.571		14344	10007
3.607		57398	32478
3.62		25057	12087
3.664		125536	69478
3.675		269422	135596
3.71		314387	245597
3.77		252209	204975
3.81		19840	13082
3.836		191995	139269
3.863		143106	119942
3.883		37075	19359
3.958		195840	147312

RT A	Compound A	Height A	Area A
3.982		68308	44452
4.012		76960	55155
4.048		194873	207207
4.087		62025	50759
4.132		10143	7767
4.171		16342	14261
4.204		223311	161353
4.225		70999	41864
4.248		82052	59134
4.275		2408	1478
4.315		43011	38331
4.357		276350	259431
4.391		58897	44598
4.43		2998	2107
4.453		7855	5899
4.496		77874	78636
4.549		47718	34640
4.563		36015	32397
4.609		297125	260883
4.654		261911	302115
4.692		84829	64478
4.731		677370	636762
4.779		23600	24166
4.822		225142	237864
4.852		8892	5034
4.877		139321	128765
4.93		910240	1139305
4.979		160598	141010
5.022		511577	550100
5.066		20479	14074
5.102		91519	112354
5.139		1117818	1076457
5.161		28174	12037
5.177		7423	2363
5.201		531794	492105
5.244		332281	344474
5.366		704324	989647
5.424		319077	308957
5.464		177427	153594
5.504		38339	37784
5.549		237009	226389
5.575		7526	3338
5.605		1704928	1804568
5.745		1223	646
5.811		1043907	1049752
5.85		75409	84236
5.862		90159	69050
5.995		28162	28751
6.058		36492	25602
6.081		169028	149270
6.236		457236	451095
6.282		29751	27438
6.396		1944	1428
6.434		105507	108367
6.493		3510	3429
6.576	DCB	655955	682744
6.722		1279	1148
6.825		906	4811
6.881		7862	7799
7.038		8110	13584
7.135		1025	894
7.178		1213	909
7.269		1401	774
7.297		1194	965
7.432		1385	2142
7.498		1563	1107

RT A	Compound A	Height A	Area A
7.577		667	706
7.627		1730	2150
7.729		56180	91358
7.808		1347	1055
7.861		1324	1868
7.932		1029	1076
7.982		16216	31033
8.121		833	1986
8.23		946	1507
8.294		1313	972
8.476		2911	4605
8.587		1538	4369
8.646		11533	47127

LANCASTER LABORATORIES

Sample Number: 8585561MSDACF DF5 ACA7002 MSD 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 10:20:39 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16242025B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1624201b.CAL

RT B	Compound B	Height B	Area A
1.504		917	676
1.532		3275	3379
1.556		5232	5828
1.606		3900	5389
1.632		2828	3565
1.659		5032	9896
1.715		16175	21833
1.77		34236	87342
1.846		45525	128019
1.895		83012	92660
1.927		34826	39409
1.968		24032	57002
2.022		11561	14473
2.085		11299	10336
2.13		2235	1414
2.18		1921	2059
2.203		4828	5190
2.267		8548	9748
2.33		24979	21497
2.358		5057	5596
2.381		2634	1375
2.433		2119	5041
2.454		2977	4224
2.513		11078	13001
2.578	TCX	2423065	1489870
2.622		60873	46027
2.666		2852	4175
2.748		149836	101007
2.809		147020	91607
2.86		687139	422563
2.883		19522	8119
2.909		2748	1370
2.97		93387	60100
3.028		1791	1146
3.066		890067	856901
3.116		104816	60851
3.137		48276	27745
3.162		72991	38338
3.186		845394	565336
3.222		44575	29285
3.268		218460	113966
3.283		125208	60381
3.333		402908	185902
3.341		812355	343924
3.362		29210	10411
3.375		845157	569292
3.447		921390	567499
3.483		674964	413406
3.505		720812	391687
3.523		224952	107974
3.577		2735	1152
3.606		737302	490966
3.628		298650	159154
3.649		289313	169387

3.677		190916	98037
3.693		644936	384695
3.733		239122	169199
3.78		55354	46467
3.802		199704	115714
3.823		1070585	690096
3.848		263956	151845
3.866		47426	22998
3.886		164110	101336
3.921		986091	664111
3.951		251543	152910
3.967		63691	26781
4.028		33528	29935
4.061		215952	210142
4.089		16348	11171
4.116		403781	291316
4.156		270110	220531
4.175		536098	281649
4.188		542203	262713
4.213		403436	403127
4.264		2469920	1880072
4.301		93176	78383
4.332		611000	412935
4.356		524628	382525
4.398		2942917	2287517
4.498		2110767	2191308
4.546		612999	537611
4.587		694535	608629
4.622		3317889	2736081
4.654		1415988	1033343
4.692		996901	779815
4.747		6079	3282
4.763		5406	2729
4.788		287879	198137
4.805		57636	32780
4.838		1889601	1420398
4.861		332562	210324
4.91		1014210	911234
4.945		511359	410041
4.976		399630	312021
5.007		174615	101468
5.029		4749898	3871407
5.071		91340	64376
5.1		158495	134245
5.144		3961	2628
5.165		4679	4011
5.22		42991	26899
5.244		883801	724614
5.287		2769320	3140998
5.443		79177	70444
5.489		75526	53442
5.511		60124	40891
5.56		479240	421715
5.605		2964	2786
5.669		1059742	925896
5.701		57727	42709
5.755		4017	3860
5.809		3559	4432
5.869		258699	231374
5.962		6791	7113
6.027	DCB	1345814	1257028
6.225		15812	17325
6.297		11244	11315
6.449		11635	15491
6.923		100134	129551
7.354		2402	7703
7.431		18484	26356

7.631	665	1965
7.876	1112	1531
7.924	938	666
8.187	1136	1299
8.332	953	953
8.396	1112	2918
8.516	1154	1944

8585561MSDACF DF5 ACA7002 MSD 162680001A 10225 SW-846 80

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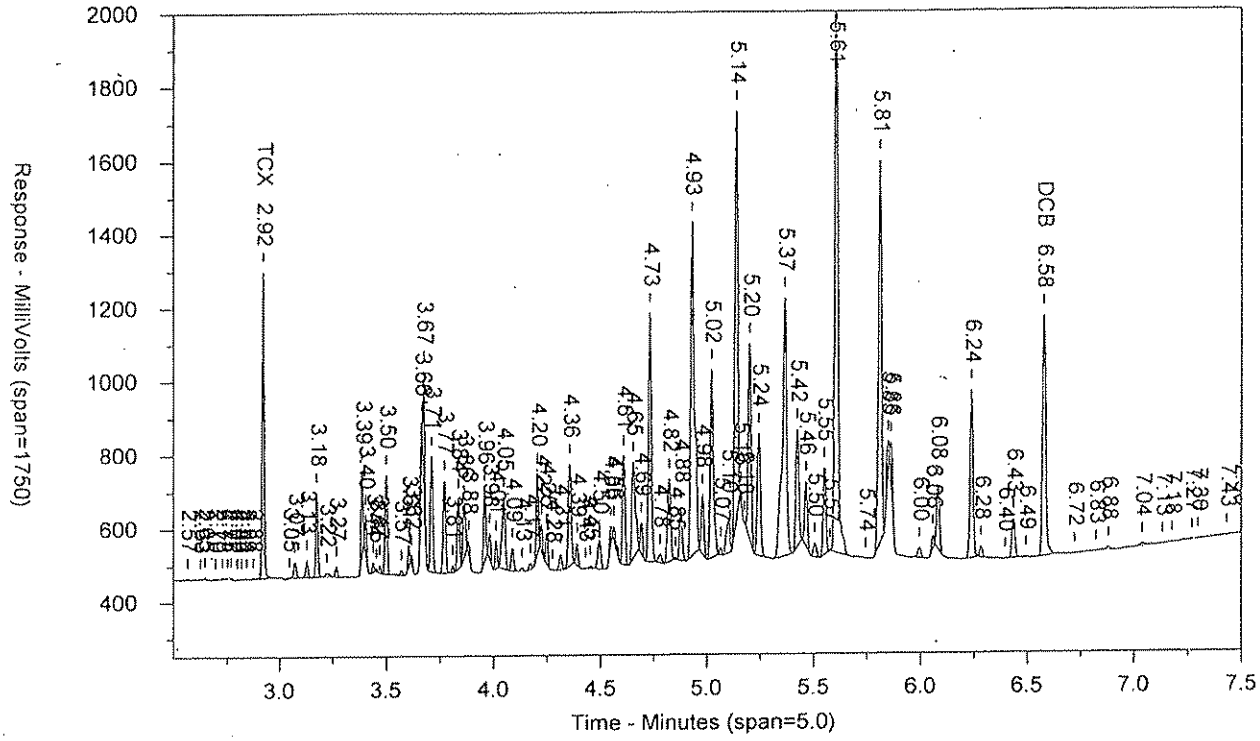

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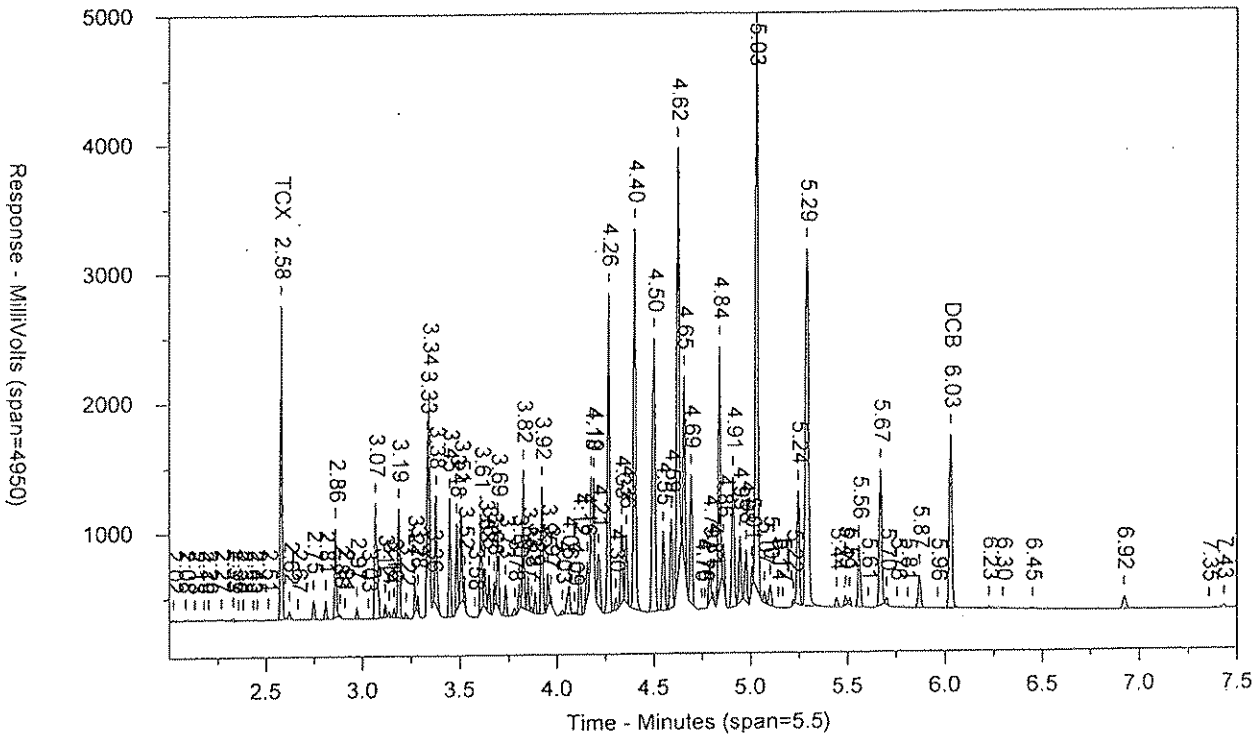


LANCASTER LABORATORIES

Sample Number: 8585561MSDACF DF5 ACA7002 MSD 162680001A 10225 SW-846 8082
Injected On: 9/25/2016 10:20:39 PM
Sample Weight: 10.17
Dilution Factor: 50
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

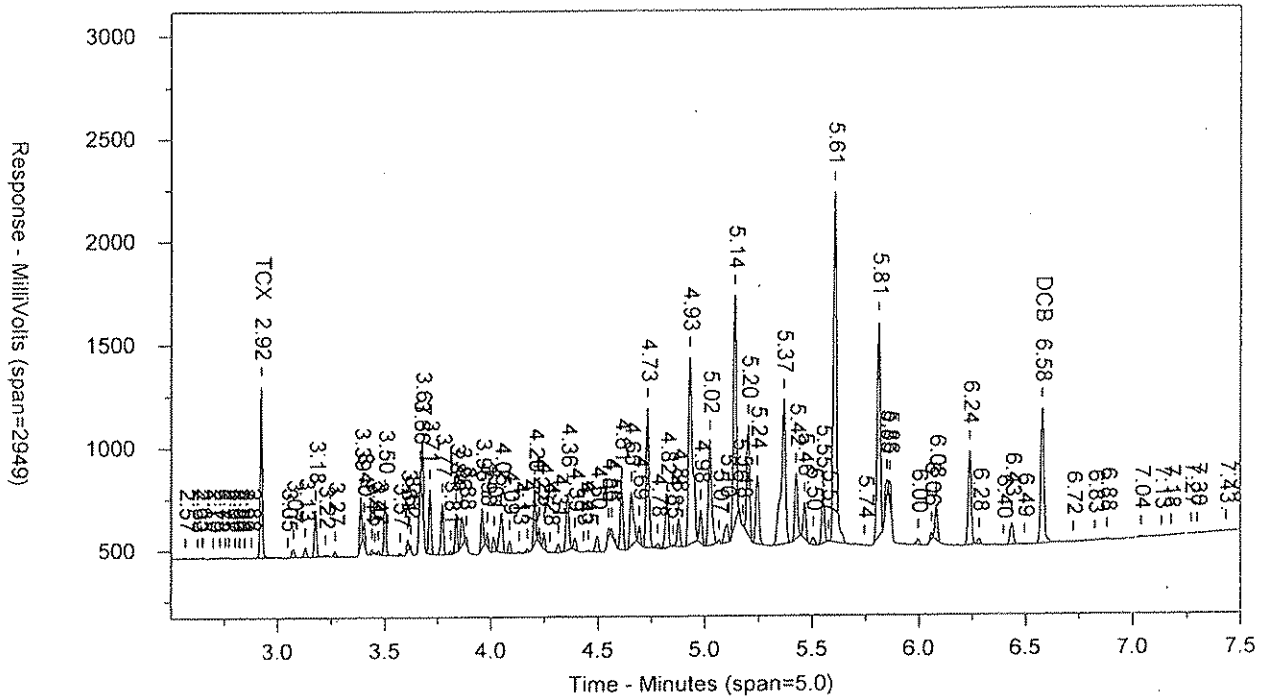
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.92	835751	27.922	TCX	2.578	2423065	28.97	TCX
6.576	655955	26.864	DCB	6.027	1345814	27.899	DCB

Files:
Area File: 07pcbs16242025.0024.RAW
Area File: 07pcbs16242025B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1624201.CAL
Calibration File B: 07pcbs1624201b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 9/25/2016 10:29:26 PM
File Reported On: 9/25/2016 at 10:29:36 PM

8585561MSDACF DF5 ACA7002 MSD 162680001A 10225 SW-846 80.

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs16242025.0024.RAW



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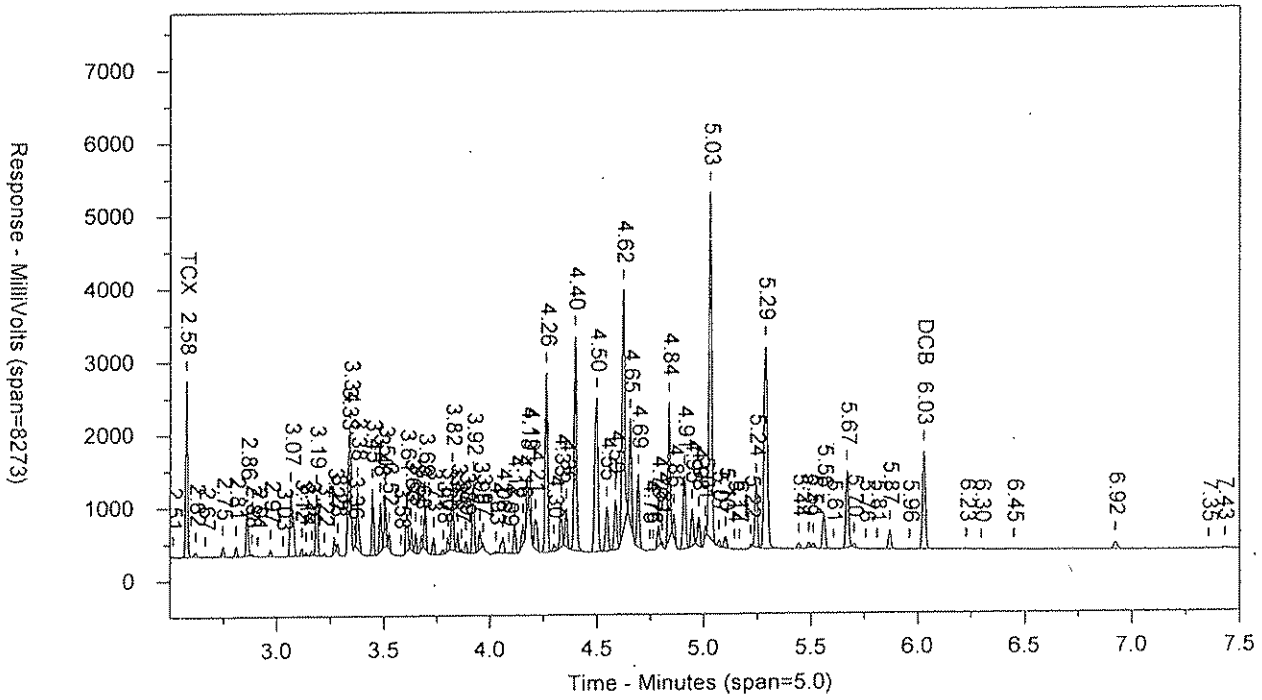

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 701 Karen Beyer

Reviewed by: Kat Quick Start Date: 9/24/16 Start time: 22:40

162680001A

Tech 1: [illegible] Tech 2:

Dept: 24	Prep Analysis: 14248 PCB 10g Sonication Ext							PCBs in Solids by 8082/3550			
QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
8585560MS	A7002	10.44	SS1625324B	1.0	MS1626024A	1.0	10	Z	Z	314A	
8585561MSD	A7002	10.17	SS1625324B	1.0	MS1626024A	1.0	10	Z	Z	314A	
BLANKA	PBLK01268	10.0	SS1625324B	1.0			10	Z	Z	NA	
LCSA	LCS01268	10.0	SS1625324B	1.0	MS1626024A	1.0	10	Z	Z	NA	

Solvent Used	Lot No.
1:1 MeCl2/Acetone	1850825 16A
Filter Paper	9718354
Hexane	164543
Sodium Sulfate	16267A

NA 9/24/16

Spike Solutions: Witness: NA

MS1626024A PCB SPIKE

SS1625324B 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	8585541	67A18	10.16	SS1625324B	1.0	10	Z	Z	314A	Soil;Wet;Rocks;Black	10225	1869	09/23/2016	N
2	8585542	67A19	10.15	SS1625324B	1.0	10	Z	Z	314A	Soil;Wet;Rocks;Black	10225	1869	09/23/2016	N
3	8585543	67A20	10.39	SS1625324B	1.0	10	Z	Z	314A	Soil;Wet;Rocks;Black	10225	1869	09/23/2016	N
4	8585558	A7001	10.19	SS1625324B	1.0	10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/23/2016	N
5	8585559BKG	A7002	10.28	SS1625324B	1.0	10	Z	Z	314A	Soil;Wet;Sandy;Rocks;Brown;Orange	10225	1869	09/23/2016	N
6	8585562	A7003	10.14	SS1625324B	1.0	10	Z	Z	314A	Soil;Wet;Sandy;Rocks;Black;Orange	10225	1869	09/23/2016	N
7	8590063	AWDR1	10.35	SS1625324B	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Black;Fuel Odor	10225	1869	09/26/2016	N
8	8590064	AWDR2	10.36	SS1625324B	1.0	10	Z	Z	314A	Soil;Wet;Black;Fuel Odor	10225	1869	09/26/2016	N
9	8590065	AWDR3	10.31	SS1625324B	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Black;Fuel Odor	10225	1869	09/26/2016	N
10	8590066	AWDR4	10.12	SS1625324B	1.0	10	Z	Z	314a	Soil;Wet;Rocks;Grey	10225	1869	09/26/2016	N
11	8590067	AWPEQ	10.13	SS1625324B	1.0	10	Z	Z	314A	Organic Matter;Soil;Wet;Black	10225	1869	09/26/2016	N
12	8602611	A9001	10.03	SS1625324B	1.0	10	Z	Z	314A	Soil;Wet;Sandy;Rocks;Brown;Orange	10225	1869	09/26/2016	S
13	8602612	A9002	10.37	SS1625324B	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Brown;Orange	10225	1869	09/26/2016	S
14	8602613	A9003	10.02	SS1625324B	1.0	10	Z	Z	314a	Soil;Gritty;Wet;Rocks;Brown;Orange	10225	1869	09/26/2016	S

NA 9/24/16

Rack ID:		Work Station	Sonic Hood 4	Micro Temp 100?	
Internal Standard		Balance #	—		

S-bath ID	95.0 C	S-bath ID	— C	N-Evap	— C	M-vap	— C	162680001A

Documented temps are NIST corrected.

DF = Dilution Factor FV = Final Volume

Page 1 of 1

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 162680001A

Verified: KBT 9/26/16
Start Date: 9/26/16
Start Time: 01:20
Tech 1: [illegible]
Tech 2: —

Sample #		QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8585541		10	10				10225
2	8585542							10225
3	8585543							10225
4	8585558							10225
5	8585559							10225
6	8585560	MS						10225
7	8585561	MSD						10225
8	8585562							10225
9	8590063							10225
10	8590064							10225
11	8590065							10225
12	8590066							10225
13	8590067							10225
14	8602611							10225
15	8602612							10225
16	8602613							10225
17	BLANKA							
18	LCSA							

Kirby B. Turner
Associate Chemist

SEP 26 2016

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
H_2SO_4			

Prep-Process Worksheet

Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch: 162680001A

Verified: KBT 2065
Start Date: 9/25/16
Start Time: 03:45
Tech 1: VJ701
Tech 2: —

Sample #		QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8585541		2	2				10225
2	8585542							10225
3	8585543							10225
4	8585558							10225
5	8585559							10225
6	8585560	MS						10225
7	8585561	MSD						10225
8	8585562							10225
9	8590063							10225
10	8590064							10225
11	8590065							10225
12	8590066							10225
13	8590067							10225
14	8602611							10225
15	8602612							10225
16	8602613							10225
17	BLANKA							
18	LCSA							

Kirby B. Turner
Associate Chemist

SEP 26 2016

Additional Comment: _____ DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
—	—	—	—
—	—	—	—
—	—	—	—
Florisil	41401-CG	—	—

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: 162680001A

Verified: KBT 9/26/16
Start Date: 9/16/16
Start Time: 04:35
Tech 1: KBT
Tech 2:

Sample #		QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8585541		1	1				10225
2	8585542							10225
3	8585543							10225
4	8585558							10225
5	8585559							10225
6	8585560	MS						10225
7	8585561	MSD						10225
8	8585562							10225
9	8590063							10225
10	8590064							10225
11	8590065							10225
12	8590066							10225
13	8590067							10225
14	8602611							10225
15	8602612							10225
16	8602613							10225
17	BLANKA							
18	LCSA							

Kirby B. Turner
Associate Chemist

SEP 26 2016

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
Copper	1015040-BR		

Moisture Data

eurofins | Lancaster Laboratories Environmental

CLIENT: Stantec
SDG: ATD70

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
8585558	A7001
8585559	A7002BKG
8585560	A7002MS
8585561	A7002MSD
8585562	A7003FD

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: 16265820006A	Sample number(s): 8585558-8585562				
Moisture	100		99-101		
Moisture	100		99-101		
Moisture Duplicate	100		99-101		

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 16265820006A	Sample number(s): 8585558-8585562			
Moisture	13.8	12.5	10*	5
Moisture	13.8	12.5	10*	5
Moisture Duplicate	13.8	12.5	10*	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

Moisture Data Report

Batch #: **16265820006**

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
8585558	A	00111	1.0829	5.6072	6.2848	7.23	9/21/16 (1201/SWF)	9/22/16 (236/CW)
8585559BKG	A	00111	1.1096	7.3842	7.4762	13.78	9/21/16 (1201/SWF)	9/22/16 (236/CW)
8585560MS	A	00118				13.78	9/21/16 (1201/SWF)	9/22/16 (236/CW)
8585561MSD	A	00118				13.78	9/21/16 (1201/SWF)	9/22/16 (236/CW)
8585561MSD	A	00121	1.1164	7.7542	7.9048	12.46	9/21/16 (1201/SWF)	9/22/16 (236/CW)
8585562FD	A	00111	1.0849	6.1515	6.3644	14.18	9/21/16 (1201/SWF)	9/22/16 (236/CW)
LCS 89.5% Std.		00111	1.0888	5.0152	1.6172	89.46	9/21/16 (1201/SWF)	9/22/16 (236/CW)