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Type I Data Package

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Project: Amtrak Wilmington Pole Barn
Soil Samples
Collected on 02/28/18

SDG# ATH63

GROUP	SAMPLE NUMBERS
1914102	9481687-9481690

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

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

Authorized by: Dana M Kauffman **Date: 04/02/2018**

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 ATH63
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington Pole Barn

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9481687	E-2(1.0-1.3)	02/28/2018 10:25	02/28/2018 18:59
9481688	E-2N(1.0-1.3)	02/28/2018 10:35	02/28/2018 18:59
9481689	E-2W(1.0-1.3)	02/28/2018 10:30	02/28/2018 18:59
9481690	E-2S(1.0-1.3)	02/28/2018 10:32	02/28/2018 18:59

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14248 PCB 10g Sonication Ext

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

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

10225 PCBs in Solids by 8082/3550

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

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

00111 Moisture

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

Reference: SM 2540 G-1997 %Moisture Calculation for Dry Weight Determination

Analysis Reports / Field Chain of Custody

ANALYSIS REPORT

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: March 02, 2018 12:02

Project: Amtrak Wilmington Pole Barn

Account #: 11289
Group Number: 1914102
SDG: ATH63
PO Number: 213402048
State of Sample Origin: DE

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

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

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
E-2(1.0-1.3) Grab Soil	02/28/2018 10:25	9481687
E-2N(1.0-1.3) Grab Soil	02/28/2018 10:35	9481688
E-2W(1.0-1.3) Grab Soil	02/28/2018 10:30	9481689
E-2S(1.0-1.3) Grab Soil	02/28/2018 10:32	9481690

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

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Analysis Report

Sample Description: **E-2(1.0-1.3) Grab Soil**
Amtrak Wilmington Pole Barn

Project Name: **Amtrak Wilmington Pole Barn**

Stantec
ELLE Sample #: **SW 9481687**
ELLE Group #: **1914102**
Matrix: Soil

Submittal Date/Time: 02/28/2018 18:59
Collection Date/Time: 02/28/2018 10:25
SDG#: ATH63-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.054 D1	0.054	1
10225	PCB-1221	11104-28-2	< 0.054 D1	0.054	1
10225	PCB-1232	11141-16-5	< 0.054 D1	0.054	1
10225	PCB-1242	53469-21-9	< 0.054 D1	0.054	1
10225	PCB-1248	12672-29-6	< 0.054 D1	0.054	1
10225	PCB-1254	11097-69-1	< 0.054 D1	0.054	1
10225	PCB-1260	11096-82-5	< 0.054 D1	0.054	1
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	8.3	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.				

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	180590045A	03/01/2018 23:52	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	180590045A	03/01/2018 12:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	18060820002B	03/01/2018 10:10	William C Schwebel	1

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Analysis Report

Sample Description: **E-2N(1.0-1.3) Grab Soil**
Amtrak Wilmington Pole Barn

Project Name: **Amtrak Wilmington Pole Barn**

Submittal Date/Time: 02/28/2018 18:59
Collection Date/Time: 02/28/2018 10:35
SDG#: ATH63-02

Stantec
ELLE Sample #: **SW 9481688**
ELLE Group #: **1914102**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.067 D1	0.067	1
10225	PCB-1221	11104-28-2	< 0.067 D1	0.067	1
10225	PCB-1232	11141-16-5	< 0.067 D1	0.067	1
10225	PCB-1242	53469-21-9	< 0.067 D1	0.067	1
10225	PCB-1248	12672-29-6	< 0.067 D1	0.067	1
10225	PCB-1254	11097-69-1	< 0.067 D1	0.067	1
10225	PCB-1260	11096-82-5	< 0.067 D1	0.067	1
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	25.9	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.				

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	180590045A	03/02/2018 00:04	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	180590045A	03/01/2018 12:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	18060820002B	03/01/2018 10:10	William C Schwebel	1

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Analysis Report

Sample Description: **E-2W(1.0-1.3) Grab Soil**
Amtrak Wilmington Pole Barn

Project Name: **Amtrak Wilmington Pole Barn**

Stantec
ELLE Sample #: **SW 9481689**
ELLE Group #: **1914102**
Matrix: Soil

Submittal Date/Time: 02/28/2018 18:59
Collection Date/Time: 02/28/2018 10:30
SDG#: ATH63-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.064 D1	0.064	1
10225	PCB-1221	11104-28-2	< 0.064 D1	0.064	1
10225	PCB-1232	11141-16-5	< 0.064 D1	0.064	1
10225	PCB-1242	53469-21-9	< 0.064 D1	0.064	1
10225	PCB-1248	12672-29-6	< 0.064 D1	0.064	1
10225	PCB-1254	11097-69-1	< 0.064 D1	0.064	1
10225	PCB-1260	11096-82-5	< 0.064 D1	0.064	1
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	23.4	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.				

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	180590045A	03/02/2018 00:38	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	180590045A	03/01/2018 12:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	18060820002B	03/01/2018 10:10	William C Schwebel	1

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Analysis Report

Sample Description: **E-2S(1.0-1.3) Grab Soil**
Amtrak Wilmington Pole Barn

Project Name: **Amtrak Wilmington Pole Barn**

Submittal Date/Time: 02/28/2018 18:59
Collection Date/Time: 02/28/2018 10:32
SDG#: ATH63-04

Stantec
ELLE Sample #: **SW 9481690**
ELLE Group #: **1914102**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.056 D1	0.056	1
10225	PCB-1221	11104-28-2	< 0.056 D1	0.056	1
10225	PCB-1232	11141-16-5	< 0.056 D1	0.056	1
10225	PCB-1242	53469-21-9	< 0.056 D1	0.056	1
10225	PCB-1248	12672-29-6	< 0.056 D1	0.056	1
10225	PCB-1254	11097-69-1	< 0.056 D1	0.056	1
10225	PCB-1260	11096-82-5	< 0.056 D1	0.056	1
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	11.2	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	180590045A	03/02/2018 00:49	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	180590045A	03/01/2018 12:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	18060820002B	03/01/2018 10:10	William C Schwebel	1

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Quality Control Summary

Client Name: Stantec
Reported: 03/02/2018 12:02

Group Number: 1914102

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: 180590045A	Sample number(s): 9481687-9481690	
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: 180590045A	Sample number(s): 9481687-9481690								
PCB-1016	0.501	0.482			96		80-121		
PCB-1260	0.501	0.521			104		84-125		
	%	%	%	%					
Batch number: 18060820002B	Sample number(s): 9481687-9481690								
Moisture	89.5	89.45			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: 180590045A	Sample number(s): 9481687-9481690 UNSPK: 9481688									
PCB-1016	< 0.049	0.491	0.448	0.501	0.439	91	88	80-121	2	50
PCB-1260	0.0106	0.491	0.515	0.501	0.502	103	98	84-125	2	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.

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Quality Control Summary

Client Name: Stantec
Reported: 03/02/2018 12:02

Group Number: 1914102

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: 18060820002B	Sample number(s): 9481687-9481690 BKG: P479286			
Moisture	8.52	7.20	17*	5

Surrogate Quality Control

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

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 180590045A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9481687	103	108	104	103
9481688	106	112	105	102
9481689	96	100	95	91
9481690	95	36*	93	77
Blank	111	109	110	103
LCS	105	106	107	103
MS	98	107	101	98
MSD	96	99	98	96
Limits:	61-152	48-164	61-152	48-164

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

Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only
Acct. # 11289 Group # 1914102 Sample # 9481687-9D

COC # 550724 1 of 1

For Lab Use Only
FSC:
SCR#:

Client Information

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

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 P=H_3PO_4
F=Field Filtered O=Other

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil ☒	Sediment ☐	Tissue ☐	Water: Potable ☐	Ground ☐	Surface ☐	NPDES ☐	Other:	Total # of Containers	PCBs 35508	Remarks
E-2 (1.0-1.3)	2-28-18	1025	X		X								1	X	
E-2 N (1.0-1.3)	2-28-18	1035	X		X								1	X	
E-2 W (1.0-1.3)	2-28-18	1030	X		X								1	X	
E-2 S (1.0-1.3)	2-28-18	1032	X		X								1	X	

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

Date results are needed: 1-day

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

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

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2-28-18	1050	[signature]	2/28/18	1050
[signature]	2/28/18	1859			
			[signature]	2/28/18	1859

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 1.7 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 209596

Group Number(s): 1914102

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	02/28/2018 18:59
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 Simon Nies (25112) at 19:28 on 02/28/2018

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	DT42-02	1.7	DT	Wet	Y	Bagged	N

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Explanation of Symbols and Abbreviations

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

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

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

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

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

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

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

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

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Data Qualifiers

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

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

Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

Polychlorinated Biphenyls (PCBs)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATH63

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9481687	E-2(1.0-1.3)		X	1	
9481688	E-2N(1.0-1.3)		X	1	
9481689	E-2W(1.0-1.3)		X	1	
9481690	E-2S(1.0-1.3)		X	1	

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

CALIBRATION/STANDARDIZATION:

(Sample number(s): 9481687-9481690: 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:

Surrogate

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

Batch#: 180590045A (Sample number(s): 9481687-9481690, UNSPK: 9481688)
The recovery(ies) for the following surrogate(s) were below the acceptance window:
Decachlorobiphenyl-D1 (9481690)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATH63

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)

Lancaster Laboratories Environmental

Quality Control Reference List
Pesticide Residue Analysis

CLIENT: Stantec
SDG: ATH63

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	180590045A	PBLK45059	03/01/2018 23:07:00
		LCS45059	03/01/2018 23:19:00
		9481687	03/01/2018 23:52:00
		9481688 UNSPK	03/02/2018 00:04:00
		9481688 MS	03/02/2018 00:15:00
		9481688 MSD	03/02/2018 00:26:00
		9481689	03/02/2018 00:38:00
		9481690	03/02/2018 00:49:00

Lancaster Laboratories Environmental

Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATH63
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

180590045A / PBLK45059 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	03/01/18	N.D.	mg/kg	0.0030	0.051
PCB-1221	03/01/18	N.D.	mg/kg	0.0030	0.051
PCB-1232	03/01/18	N.D.	mg/kg	0.0030	0.051
PCB-1242	03/01/18	N.D.	mg/kg	0.0030	0.051
PCB-1248	03/01/18	N.D.	mg/kg	0.0030	0.051
PCB-1254	03/01/18	N.D.	mg/kg	0.0030	0.051
PCB-1260	03/01/18	N.D.	mg/kg	0.0030	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATH63
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

180590045A	Decachlorobiphenyl-D1		Decachlorobiphenyl-D2		Tetrachloro-m-xylene-D1		Tetrachloro-m-xylene-D2	
	Spike Added	27.1 ug/kg	Spike Added	27.1 ug/kg	Spike Added	30.6 ug/kg	Spike Added	30.6 ug/kg
Sample	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits
PBLK45059	109	48 - 164	103	48 - 164	111	61 - 152	110	61 - 152
LCS45059	106	48 - 164	103	48 - 164	105	61 - 152	107	61 - 152
9481687	108	48 - 164	103	48 - 164	103	61 - 152	104	61 - 152
9481688 UNSPK	112	48 - 164	102	48 - 164	106	61 - 152	105	61 - 152
9481688 MS	107	48 - 164	98	48 - 164	98	61 - 152	101	61 - 152
9481688 MSD	99	48 - 164	96	48 - 164	96	61 - 152	98	61 - 152
9481689	100	48 - 164	91	48 - 164	96	61 - 152	95	61 - 152
9481690	36 *	48 - 164	77	48 - 164	95	61 - 152	93	61 - 152

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

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ATH63
Matrix: SOLID

Pesticide Residue Analysis
Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9481688 MS: 9481688 MSD: 9481688 **Analyte**	Batch: **180590045A** (Sample number(s): 9481687-9481690)								
	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	0.491 / 0.501	0	0.448	0.439	91	88	80-121	2	50
PCB-1260	0.491 / 0.501	0.0106	0.515	0.502	103	98	84-125	2	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.

Lancaster Laboratories Environmental

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

SDG: ATH63
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS45059	Batch: **180590045A** (Sample number(s): 9481687-9481690)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.501	0.482	NA	96	NA	80-121	NA	NA
PCB-1260	0.501	0.521	NA	104	NA	84-125	NA	NA

Multiple Component Initial Calibration Report: **25PCBS1804701**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016** **AR16**

Calibration Levels: 6 Avg Concentration (ng/ml): 101.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1016

		1	2	3	4	5	6	SUM
Retention Time:		3.250	3.466	3.583	3.804	3.866	4.061	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		723812	770686	934712	1038336	894196	690387	5052128
RF (Height/Conc):		2569	2697	3202	3455	2946	2355	
%RSD For RF		**13.213**	**13.060**	**10.107**	**7.462**	**6.962**	**11.540**	
Slope								
Y-Intercept								
Level 1	Height	78328	81780	94097	97964	82430	71168	505767
	Conc	25.250	25.250	25.250	25.250	25.250	25.250	
Level 2	Height	140410	151455	172918	183536	157438	126471	932228
	Conc	50.500	50.500	50.500	50.500	50.500	50.500	
Level 3	Height	262300	263873	321873	347105	293402	235602	1724155
	Conc	101.000	101.000	101.000	101.000	101.000	101.000	
Level 4	Height	503089	524655	620362	665168	567638	448122	3329034
	Conc	202.000	202.000	202.000	202.000	202.000	202.000	
Level 5	Height	1131243	1180646	1460487	1615926	1371987	1038527	7798816
	Conc	505.000	505.000	505.000	505.000	505.000	505.000	
Level 6	Height	2227501	2421707	2938532	3320319	2892280	2222429	16022768
	Conc	1010.000	1010.000	1010.000	1010.000	1010.000	1010.000	

Component: **Aroclor-1221** **AR21**

Calibration Levels: 1 Concentration (ng/ml): 200.240000

Min # of Peaks Required: 3 Max %RSD: 5 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1221

	1	2	3	SUM
Retention Time:	3.146	3.203	3.251	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	281692	236164	761008	1278864
RF (Height/Conc):	1407	1179	3800	
%RSD For RF	**0.000**	**0.000**	**0.000**	
Slope				
Y-Intercept				

Component: **Aroclor-1232** **AR32**

Calibration Levels: 1 Concentration (ng/ml): 200.600000

Min # of Peaks Required: 4 Max %RSD: 10 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1232

	1	2	3	4	5	6	SUM
Retention Time:	3.252	3.468	3.586	3.806	3.868	4.063	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	589468	250695	294626	329307	261520	193877	1919493
RF (Height/Conc):	2939	1250	1469	1642	1304	966	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **25PCBS1804701**

Component: **Aroclor-1242** **AR42**

Calibration Levels: 1 Concentration (ng/ml): 200.000000

Min # of Peaks Required: 4 Max %RSD: 30 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1242

	1	2	3	4	5	6	SUM
Retention Time:	3.251	3.468	3.586	3.806	3.868	4.063	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	419572	425990	513070	568897	459069	363028	2749626
RF (Height/Conc):	2098	2130	2565	2844	2295	1815	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1248** **AR48**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.950000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1248

		1	2	3	4	5	6	SUM
Retention Time:		3.805	3.866	3.935	4.062	4.154	4.337	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		476846	475577	846127	969670	792764	884928	4445912
RF (Height/Conc):		1676	1642	3035	3302	2683	2824	
%RSD For RF		**11.577**	**9.438**	**15.258**	**11.064**	**8.407**	**4.291**	
Slope								
Y-Intercept								
Level 1	Height	48025	46395	94920	99509	75194	75977	440020
	Conc	25.240	25.240	25.240	25.240	25.240	25.240	
Level 2	Height	95575	90193	171212	177008	148806	146535	829329
	Conc	50.470	50.470	50.470	50.470	50.470	50.470	
Level 3	Height	173395	169429	306552	327144	265244	275767	1517531
	Conc	100.950	100.950	100.950	100.950	100.950	100.950	
Level 4	Height	318860	324019	566167	606777	522848	540901	2879572
	Conc	201.900	201.900	201.900	201.900	201.900	201.900	
Level 5	Height	765344	749115	1328906	1566786	1258591	1400048	7068790
	Conc	504.750	504.750	504.750	504.750	504.750	504.750	
Level 6	Height	1459878	1474310	2609005	3040798	2485901	2870338	13940230
	Conc	1009.500	1009.500	1009.500	1009.500	1009.500	1009.500	

Multiple Component Initial Calibration Report: **25PCBS1804701**

Component: **Aroclor-1254** **AR54**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.600000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1254

		1	2	3	4	5	6	SUM
Retention Time:		4.474	4.670	4.733	4.859	5.153	5.270	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		1630062	1069961	2112691	617925	1049200	1354965	7834804
RF (Height/Conc):		5254	3442	6673	2111	3314	4291	
%RSD For RF		**7.785**	**7.706**	**5.468**	**11.922**	**5.940**	**7.711**	
Slope								
Y-Intercept								
Level 1	Height	150913	99007	185853	62884	91918	124412	714987
	Conc	25.150	25.150	25.150	25.150	25.150	25.150	
Level 2	Height	272358	178281	331001	115315	166605	214126	1277686
	Conc	50.300	50.300	50.300	50.300	50.300	50.300	
Level 3	Height	498590	335174	644055	215679	308061	407230	2408789
	Conc	100.600	100.600	100.600	100.600	100.600	100.600	
Level 4	Height	1253727	810180	1634591	489285	836006	1033104	6056893
	Conc	251.500	251.500	251.500	251.500	251.500	251.500	
Level 5	Height	2621768	1659844	3367416	979917	1676595	2085570	12391110
	Conc	503.000	503.000	503.000	503.000	503.000	503.000	
Level 6	Height	4983018	3337282	6513229	1844472	3216012	4265349	24159362
	Conc	1006.000	1006.000	1006.000	1006.000	1006.000	1006.000	

Component: **Aroclor-1260** **AR16**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.820000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1260

		1	2	3	4	5	6	SUM
Retention Time:		4.856	5.268	5.331	5.495	5.733	5.939	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		1501605	1972488	967589	1046127	2842985	1545087	9875879
RF (Height/Conc):		4848	5970	3100	3367	8484	5018	
%RSD For RF		**6.895**	**6.949**	**6.303**	**5.904**	**7.729**	**15.219**	
Slope								
Y-Intercept								
Level 1	Height	138368	156941	82382	94428	217172	154620	843911
	Conc	25.210	25.210	25.210	25.210	25.210	25.210	
Level 2	Height	244084	293784	159285	169863	418405	270059	1555480
	Conc	50.410	50.410	50.410	50.410	50.410	50.410	
Level 3	Height	473734	560352	317481	326657	785074	461768	2925066
	Conc	100.820	100.820	100.820	100.820	100.820	100.820	
Level 4	Height	924879	1151269	618471	654518	1639594	942366	5931097
	Conc	201.640	201.640	201.640	201.640	201.640	201.640	
Level 5	Height	2322990	2931244	1374422	1620657	4219359	2000152	14468824
	Conc	504.100	504.100	504.100	504.100	504.100	504.100	
Level 6	Height	4905574	6741337	3253492	3410638	9778304	5441554	33530899
	Conc	1008.200	1008.200	1008.200	1008.200	1008.200	1008.200	

Multiple Component Initial Calibration Report: **25PCBS1804701**

Component: **Aroclor-1262** **AR62**

Calibration Levels: 1 Concentration (ng/ml): 200.400000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1262

	1	2	3	4	5	6	SUM
Retention Time:	5.338	5.501	5.739	5.943	5.998	6.374	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	1090601	967296	2101494	1280830	654283	789302	6883806
RF (Height/Conc):	5442	4827	10486	6391	3265	3939	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1268** **AR68**

Calibration Levels: 1 Concentration (ng/ml): 201.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1268

	1	2	3	4	5	6	SUM
Retention Time:	5.937	5.996	6.128	6.192	6.369	6.572	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	2746002	2328582	2293330	589599	957354	7744086	16658953
RF (Height/Conc):	13662	11585	11410	2933	4763	38528	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Reviewed by: [signature] Date: 19 Feb 18

Verified by: [signature] Date: 2/20/18

Multiple Component Initial Calibration Report: **25PCBS1804701B**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016** **AR16**

Calibration Levels:6 Avg Concentration (ng/ml): 101.000000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1016

		1	2	3	4	5	6	SUM
Retention Time:		3.002	3.337	3.532	3.608	3.666	3.773	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		1258988	1486198	1523254	1623046	1177649	1293971	8363106
RF (Height/Conc):		4438	5100	5100	5338	4012	4399	
%RSD For RF		**12.584**	**10.425**	**7.654**	**7.253**	**10.481**	**10.877**	
Slope								
Y-Intercept								
Level 1	Height	133972	149806	144878	153027	120380	132041	834104
	Conc	25.250	25.250	25.250	25.250	25.250	25.250	
Level 2	Height	244814	279160	272738	277624	210941	235578	1520855
	Conc	50.500	50.500	50.500	50.500	50.500	50.500	
Level 3	Height	445591	509038	507833	522051	398428	429908	2812849
	Conc	101.000	101.000	101.000	101.000	101.000	101.000	
Level 4	Height	867017	985529	987378	1028150	783108	857911	5509093
	Conc	202.000	202.000	202.000	202.000	202.000	202.000	
Level 5	Height	1984677	2315952	2413833	2556084	1823383	1968397	13062326
	Conc	505.000	505.000	505.000	505.000	505.000	505.000	
Level 6	Height	3877856	4677705	4812866	5201342	3729654	4139988	26439411
	Conc	1010.000	1010.000	1010.000	1010.000	1010.000	1010.000	

Component: **Aroclor-1221** **AR21**

Calibration Levels:1 Concentration (ng/ml): 200.240000

Min # of Peaks Required:3 Max %RSD: 5 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1221

	1	2	3	SUM
Retention Time:	2.889	2.950	3.003	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	544877	299202	1302186	2146265
RF (Height/Conc):	2721	1494	6503	
%RSD For RF	**0.000**	**0.000**	**0.000**	
Slope				
Y-Intercept				

Component: **Aroclor-1232** **AR32**

Calibration Levels:1 Concentration (ng/ml): 200.600000

Min # of Peaks Required:4 Max %RSD: 10 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1232

	1	2	3	4	5	6	SUM
Retention Time:	3.004	3.339	3.535	3.610	3.669	3.776	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	1034934	474661	490322	473660	309918	356336	3139831
RF (Height/Conc):	5159	2366	2444	2361	1545	1776	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **25PCBS1804701B**

Component: **Aroclor-1242** **AR42**

Calibration Levels: 1 Concentration (ng/ml): 200.000000

Min # of Peaks Required: 4 Max %RSD: 30 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1242

	1	2	3	4	5	6	SUM
Retention Time:	3.003	3.338	3.534	3.610	3.669	3.775	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	729045	810334	835965	842348	623342	693887	4534921
RF (Height/Conc):	3645	4052	4180	4212	3117	3469	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1248** **AR48**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.950000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1248

		1	2	3	4	5	6	SUM
Retention Time:		3.534	3.609	3.644	3.774	3.871	4.009	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		650824	878893	1448813	1791118	1203146	2385558	8358352
RF (Height/Conc):		2303	3073	5109	6113	4107	7915	
%RSD For RF		**13.219**	**11.986**	**12.349**	**10.699**	**9.615**	**7.979**	
Slope								
Y-Intercept								
Level 1	Height	69865	91778	151809	182475	119373	226908	842208
	Conc	25.240	25.240	25.240	25.240	25.240	25.240	
Level 2	Height	128316	170295	286156	331194	223787	423694	1563442
	Conc	50.480	50.480	50.480	50.480	50.480	50.480	
Level 3	Height	234392	310797	520142	601035	407984	758936	2833286
	Conc	100.950	100.950	100.950	100.950	100.950	100.950	
Level 4	Height	435216	583957	978365	1155765	793237	1532876	5479416
	Conc	201.900	201.900	201.900	201.900	201.900	201.900	
Level 5	Height	1030062	1394107	2302002	2842096	1905465	3769375	13243107
	Conc	504.750	504.750	504.750	504.750	504.750	504.750	
Level 6	Height	2007095	2722424	4454402	5634141	3769031	7601560	26188653
	Conc	1009.500	1009.500	1009.500	1009.500	1009.500	1009.500	

Multiple Component Initial Calibration Report: **25PCBS1804701B**

Component: **Aroclor-1254** **AR54**

Calibration Levels:6 Avg Concentration (ng/ml): 100.600000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1254

		1	2	3	4	5	6	SUM
Retention Time:		4.387	4.482	4.623	4.728	4.782	4.864	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		3335798	1438874	1197400	1121402	1554835	2260936	10909244
RF (Height/Conc):		10773	4857	4073	3789	4877	7437	
%RSD For RF		**5.897**	**10.965**	**12.191**	**10.991**	**4.524**	**9.075**	
Slope								
Y-Intercept								
Level 1	Height	297733	143711	123237	112477	133860	218744	1029762
	Conc	25.150	25.150	25.150	25.150	25.150	25.150	
Level 2	Height	553016	261813	220542	201696	240766	383896	1861729
	Conc	50.300	50.300	50.300	50.300	50.300	50.300	
Level 3	Height	1060412	494761	410137	386763	476422	739452	3567947
	Conc	100.600	100.600	100.600	100.600	100.600	100.600	
Level 4	Height	2629334	1127781	949799	876507	1203711	1766997	8554129
	Conc	251.500	251.500	251.500	251.500	251.500	251.500	
Level 5	Height	5461262	2266600	1862914	1814954	2412289	3542476	17360495
	Conc	503.000	503.000	503.000	503.000	503.000	503.000	
Level 6	Height	10013030	4338576	3617770	3336012	4861962	6914052	33081402
	Conc	1006.000	1006.000	1006.000	1006.000	1006.000	1006.000	

Component: **Aroclor-1260** **AR16**

Calibration Levels:6 Avg Concentration (ng/ml): 100.820000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1260

		1	2	3	4	5	6	SUM
Retention Time:		4.622	4.729	4.862	5.091	5.285	5.545	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		2807372	2370705	2811295	1760761	4233190	2834211	16817533
RF (Height/Conc):		9160	7593	9047	5764	12993	8972	
%RSD For RF		**7.166**	**5.603**	**7.160**	**7.657**	**5.297**	**6.075**	
Slope								
Y-Intercept								
Level 1	Height	262065	211642	256402	162733	340378	246804	1480024
	Conc	25.210	25.210	25.210	25.210	25.210	25.210	
Level 2	Height	466769	382028	468521	310319	637298	463140	2728075
	Conc	50.410	50.410	50.410	50.410	50.410	50.410	
Level 3	Height	891515	739115	853935	551971	1241522	857435	5135493
	Conc	100.820	100.820	100.820	100.820	100.820	100.820	
Level 4	Height	1791958	1461764	1742543	1092076	2574012	1682148	10344501
	Conc	201.640	201.640	201.640	201.640	201.640	201.640	
Level 5	Height	4285008	3695618	4302498	2723552	6349571	4399364	25755611
	Conc	504.100	504.100	504.100	504.100	504.100	504.100	
Level 6	Height	9146917	7734060	9243872	5723913	14256360	9356372	55461494
	Conc	1008.200	1008.200	1008.200	1008.200	1008.200	1008.200	

Multiple Component Initial Calibration Report: **25PCBS1804701B**

Component: **Aroclor-1262** **AR62**

Calibration Levels: 1 Concentration (ng/ml): 200.400000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1262

	1	2	3	4	5	6	SUM
Retention Time:	4.901	5.096	5.291	5.505	5.552	5.926	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	1674004	1670467	3410280	1287203	2237565	1211440	11490959
RF (Height/Conc):	8353	8336	17017	6423	11165	6045	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1268** **AR68**

Calibration Levels: 1 Concentration (ng/ml): 201.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1268

	1	2	3	4	5	6	SUM
Retention Time:	5.502	5.550	5.702	5.770	5.923	6.123	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	4015294	4151165	3327710	848983	1418450	11939520	25701122
RF (Height/Conc):	19977	20653	16556	4224	7057	59401	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Reviewed by: 2855 Date: 19 Feb 18

Verified by: MBT 9066 Date: 2/20/18

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1804701

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.96	3.02
Decachlorobiphenyl	6.73	6.72	6.71	6.72	6.72	6.72	6.72	6.69	6.75

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1804701

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	1.54E+05	1.52E+05	1.52E+05	1.56E+05	1.53E+05	1.56E+05	1.54E+05	1
Decachlorobiphenyl	1.02E+05	9.80E+04	8.66E+04	9.33E+04	8.76E+04	9.83E+04	9.43E+04	7

Average % RSD: 4

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1804701

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.25	3.23	3.27	3102	2569	1	25.25	78328	13.21
					2780		2	50.5	140410	
					2597		3	101	262300	
					2491		4	202	503089	
					2240		5	505	1131243	
					2205		6	1010	2227501	
	2	3.47	3.45	3.49	3239	2697	1	25.25	81780	13.06
					2999		2	50.5	151455	
					2613		3	101	263873	
					2597		4	202	524655	
					2338		5	505	1180646	
					2398		6	1010	2421707	
	3	3.58	3.56	3.60	3727	3202	1	25.25	94097	10.11
					3424		2	50.5	172918	
					3187		3	101	321873	
					3071		4	202	620362	
					2892		5	505	1460487	
					2909		6	1010	2938532	
	4	3.80	3.78	3.82	3880	3455	1	25.25	97964	7.46
					3634		2	50.5	183536	
					3437		3	101	347105	
					3293		4	202	665168	
					3200		5	505	1615926	
					3287		6	1010	3320319	
	5	3.87	3.85	3.89	3265	2946	1	25.25	82430	6.96
					3118		2	50.5	157438	
					2905		3	101	293402	
					2810		4	202	567638	
					2717		5	505	1371987	
					2864		6	1010	2892280	
	6	4.06	4.04	4.08	2819	2355	1	25.25	71168	11.54
					2504		2	50.5	126471	
					2333		3	101	235602	
					2218		4	202	448122	
					2056		5	505	1038527	
					2200		6	1010	2222429	
Aroclor-1221	1	3.15	3.13	3.17	1407	1407	1	200.24	281692	.00
	2	3.20	3.18	3.22	1179	1179	1	200.24	236164	.00
	3	3.25	3.23	3.27	3800	3800	1	200.24	761008	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1804701

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.25	3.23	3.27	2939	2939	1	200.6	589468	.00
	2	3.47	3.45	3.49	1250	1250	1	200.6	250695	.00
	3	3.59	3.57	3.61	1469	1469	1	200.6	294626	.00
	4	3.81	3.79	3.83	1642	1642	1	200.6	329307	.00
	5	3.87	3.85	3.89	1304	1304	1	200.6	261520	.00
	6	4.06	4.04	4.08	966	966	1	200.6	193877	.00
Aroclor-1242	1	3.25	3.23	3.27	2098	2098	1	200	419572	.00
	2	3.47	3.45	3.49	2130	2130	1	200	425990	.00
	3	3.59	3.57	3.61	2565	2565	1	200	513070	.00
	4	3.81	3.79	3.83	2844	2844	1	200	568897	.00
	5	3.87	3.85	3.89	2295	2295	1	200	459069	.00
	6	4.06	4.04	4.08	1815	1815	1	200	363028	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1804701

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.81	3.79	3.83	1903	1676	1	25.24	48025	11.58
					1894		2	50.47	95575	
					1718		3	100.95	173395	
					1579		4	201.9	318860	
					1516		5	504.75	765344	
					1446		6	1009.5	1459878	
	2	3.87	3.85	3.89	1838	1642	1	25.24	46395	9.44
					1787		2	50.47	90193	
					1678		3	100.95	169429	
					1605		4	201.9	324019	
					1484		5	504.75	749115	
					1460		6	1009.5	1474310	
	3	3.94	3.92	3.96	3761	3035	1	25.24	94920	15.26
					3392		2	50.47	171212	
					3037		3	100.95	306552	
					2804		4	201.9	566167	
					2633		5	504.75	1328906	
					2584		6	1009.5	2609005	
	4	4.06	4.04	4.08	3943	3302	1	25.24	99509	11.06
					3507		2	50.47	177008	
					3241		3	100.95	327144	
					3005		4	201.9	606777	
					3104		5	504.75	1566786	
					3012		6	1009.5	3040798	
	5	4.15	4.13	4.17	2979	2683	1	25.24	75194	8.41
					2948		2	50.47	148806	
					2627		3	100.95	265244	
					2590		4	201.9	522848	
					2493		5	504.75	1258591	
					2463		6	1009.5	2485901	
	6	4.34	4.32	4.36	3010	2824	1	25.24	75977	4.29
					2903		2	50.47	146535	
					2732		3	100.95	275767	
					2679		4	201.9	540901	
					2774		5	504.75	1400048	
					2843		6	1009.5	2870338	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1804701

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.47	4.45	4.49	6001	5254	1	25.15	150913	7.78
					5415		2	50.3	272358	
					4956		3	100.6	498590	
					4985		4	251.5	1253727	
					5212		5	503	2621768	
					4953		6	1006	4983018	
	2	4.67	4.65	4.69	3937	3442	1	25.15	99007	7.71
					3544		2	50.3	178281	
					3332		3	100.6	335174	
					3221		4	251.5	810180	
					3300		5	503	1659844	
					3317		6	1006	3337282	
	3	4.73	4.71	4.75	7390	6673	1	25.15	185853	5.47
					6581		2	50.3	331001	
					6402		3	100.6	644055	
					6499		4	251.5	1634591	
					6695		5	503	3367416	
					6474		6	1006	6513229	
	4	4.86	4.84	4.88	2500	2111	1	25.15	62884	11.92
					2293		2	50.3	115315	
					2144		3	100.6	215679	
					1945		4	251.5	489285	
					1948		5	503	979917	
					1833		6	1006	1844472	
	5	5.15	5.13	5.17	3655	3314	1	25.15	91918	5.94
					3312		2	50.3	166605	
					3062		3	100.6	308061	
					3324		4	251.5	836006	
					3333		5	503	1676595	
					3197		6	1006	3216012	
	6	5.27	5.25	5.29	4947	4291	1	25.15	124412	7.71
					4257		2	50.3	214126	
					4048		3	100.6	407230	
					4108		4	251.5	1033104	
					4146		5	503	2085570	
					4240		6	1006	4265349	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1804701

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.86	4.84	4.88	5489	4848	1	25.21	138368	6.89
					4842		2	50.41	244084	
					4699		3	100.82	473734	
					4587		4	201.64	924879	
					4608		5	504.1	2322990	
					4866		6	1008.2	4905574	
	2	5.27	5.25	5.29	6225	5970	1	25.21	156941	6.95
					5828		2	50.41	293784	
					5558		3	100.82	560352	
					5710		4	201.64	1151269	
					5815		5	504.1	2931244	
					6687		6	1008.2	6741337	
	3	5.33	5.31	5.35	3268	3100	1	25.21	82382	6.30
					3160		2	50.41	159285	
					3149		3	100.82	317481	
					3067		4	201.64	618471	
					2726		5	504.1	1374422	
					3227		6	1008.2	3253492	
	4	5.50	5.48	5.52	3746	3367	1	25.21	94428	5.90
					3370		2	50.41	169863	
					3240		3	100.82	326657	
					3246		4	201.64	654518	
					3215		5	504.1	1620657	
					3383		6	1008.2	3410638	
	5	5.73	5.71	5.75	8615	8484	1	25.21	217172	7.73
					8300		2	50.41	418405	
					7787		3	100.82	785074	
					8131		4	201.64	1639594	
					8370		5	504.1	4219359	
					9699		6	1008.2	9778304	
	6	5.94	5.92	5.96	6133	5018	1	25.21	154620	15.22
					5357		2	50.41	270059	
					4580		3	100.82	461768	
					4674		4	201.64	942366	
					3968		5	504.1	2000152	
					5397		6	1008.2	5441554	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1804701

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.34	5.32	5.36	5442	5442	1	200.4	1090601	.00
	2	5.50	5.48	5.52	4827	4827	1	200.4	967296	.00
	3	5.74	5.72	5.76	10486	10486	1	200.4	2101494	.00
	4	5.94	5.92	5.96	6391	6391	1	200.4	1280830	.00
	5	6.00	5.98	6.02	3265	3265	1	200.4	654283	.00
	6	6.37	6.35	6.39	3939	3939	1	200.4	789302	.00
Aroclor-1268	1	5.94	5.92	5.96	13662	13662	1	201	2746002	.00
	2	6.00	5.98	6.02	11585	11585	1	201	2328582	.00
	3	6.13	6.11	6.15	11410	11410	1	201	2293330	.00
	4	6.19	6.17	6.21	2933	2933	1	201	589599	.00
	5	6.37	6.35	6.39	4763	4763	1	201	957354	.00
	6	6.57	6.55	6.59	38528	38528	1	201	7744086	.00

File Name: V:\CP25\25PCBS1804701.CAL
Version: 10

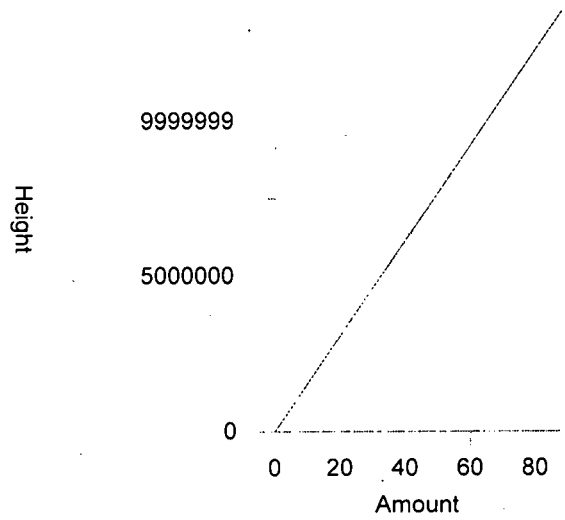
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.992 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

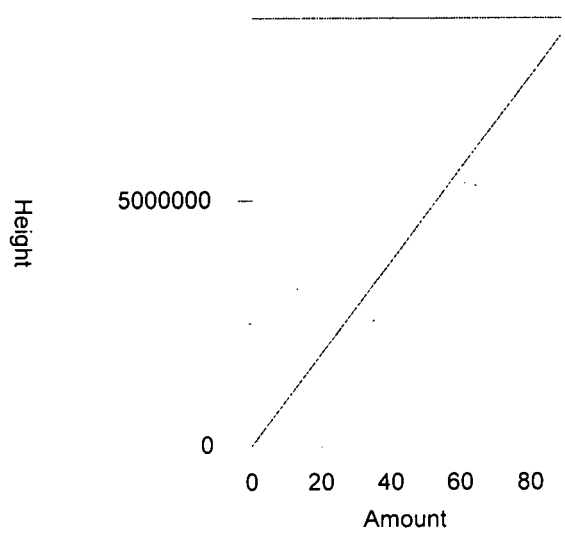
Single peak quantification by height

Y = 153826.9 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9996558
Average error: 1.049%
Average CF: 153826.9
RSD: 1.258%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	308434.9	154217.5	0.254	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.007.B
2	4	606837.9	151709.5	-1.376	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.008.B
3	20	3039924	151996.2	-1.190	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.009.B
4	40	6247091	156177.3	1.528	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.010.B
5	60.8	9298356	152933.5	-0.581	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.011.B
6	80	1.247418E+07	155927.3	1.365	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.012.B

2 DCB



Expected retention time:	6.716 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 = 94348.89 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9934917
Average error:	5.484%
Average CF:	94348.89
RSD:	6.678%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	205575	102276.1	8.402	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.007.B\
2	4.02	393941.2	97995.32	3.865	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.008.B\
3	20.12	1743073	86633.84	-8.177	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.009.B\
4	40.24	3756037	93340.88	-1.068	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.010.B\
5	61.16	5354578	87550.33	-7.206	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.011.B\
6	80.48	7910930	98296.84	4.184	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.012.B\

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1804701B

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.69	2.75
Decachlorobiphenyl	6.29	6.28	6.28	6.28	6.28	6.28	6.28	6.25	6.31

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1804701B

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	2.58E+05	2.51E+05	2.54E+05	2.76E+05	2.64E+05	2.80E+05	2.64E+05	5
Decachlorobiphenyl	1.63E+05	1.52E+05	1.33E+05	1.41E+05	1.32E+05	1.42E+05	1.44E+05	8

Average % RSD: 7

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1804701B

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.00	2.98	3.02	5306	4438	1	25.25	133972	12.58
					4848		2	50.5	244814	
					4412		3	101	445591	
					4292		4	202	867017	
					3930		5	505	1984677	
					3839		6	1010	3877856	
	2	3.34	3.32	3.36	5933	5100	1	25.25	149806	10.42
					5528		2	50.5	279160	
					5040		3	101	509038	
					4879		4	202	985529	
					4586		5	505	2315952	
					4631		6	1010	4677705	
	3	3.53	3.51	3.55	5738	5100	1	25.25	144878	7.65
					5401		2	50.5	272738	
					5028		3	101	507833	
					4888		4	202	987378	
					4780		5	505	2413833	
					4765		6	1010	4812866	
	4	3.61	3.59	3.63	6060	5338	1	25.25	153027	7.25
					5498		2	50.5	277624	
					5169		3	101	522051	
					5090		4	202	1028150	
					5062		5	505	2556084	
					5150		6	1010	5201342	
	5	3.67	3.65	3.69	4768	4012	1	25.25	120380	10.48
					4177		2	50.5	210941	
					3945		3	101	398428	
					3877		4	202	783108	
					3611		5	505	1823383	
					3693		6	1010	3729654	
	6	3.77	3.75	3.79	5229	4399	1	25.25	132041	10.88
					4665		2	50.5	235578	
					4257		3	101	429908	
					4247		4	202	857911	
					3898		5	505	1968397	
					4099		6	1010	4139988	
Aroclor-1221	1	2.89	2.87	2.91	2721	2721	1	200.24	544877	.00
	2	2.95	2.93	2.97	1494	1494	1	200.24	299202	.00
	3	3.00	2.98	3.02	6503	6503	1	200.24	1302186	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1804701B

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.00	2.98	3.02	5159	5159	1	200.6	1034934	.00
	2	3.34	3.32	3.36	2366	2366	1	200.6	474661	.00
	3	3.54	3.52	3.56	2444	2444	1	200.6	490322	.00
	4	3.61	3.59	3.63	2361	2361	1	200.6	473660	.00
	5	3.67	3.65	3.69	1545	1545	1	200.6	309918	.00
	6	3.78	3.76	3.80	1776	1776	1	200.6	356336	.00
Aroclor-1242	1	3.00	2.98	3.02	3645	3645	1	200	729045	.00
	2	3.34	3.32	3.36	4052	4052	1	200	810334	.00
	3	3.53	3.51	3.55	4180	4180	1	200	835965	.00
	4	3.61	3.59	3.63	4212	4212	1	200	842348	.00
	5	3.67	3.65	3.69	3117	3117	1	200	623342	.00
	6	3.78	3.76	3.80	3469	3469	1	200	693887	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1804701B

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.53	3.51	3.55	2768	2303	1	25.24	69865	13.22
					2542		2	50.48	128316	
					2322		3	100.95	234392	
					2156		4	201.9	435216	
					2041		5	504.75	1030062	
					1988		6	1009.5	2007095	
	2	3.61	3.59	3.63	3636	3073	1	25.24	91778	11.99
					3374		2	50.48	170295	
					3079		3	100.95	310797	
					2892		4	201.9	583957	
					2762		5	504.75	1394107	
					2697		6	1009.5	2722424	
	3	3.64	3.62	3.66	6015	5109	1	25.24	151809	12.35
					5669		2	50.48	286156	
					5152		3	100.95	520142	
					4846		4	201.9	978365	
					4561		5	504.75	2302002	
					4412		6	1009.5	4454402	
	4	3.77	3.75	3.79	7230	6113	1	25.24	182475	10.70
					6561		2	50.48	331194	
					5954		3	100.95	601035	
					5724		4	201.9	1155765	
					5631		5	504.75	2842096	
					5581		6	1009.5	5634141	
	5	3.87	3.85	3.89	4730	4107	1	25.24	119373	9.61
					4433		2	50.48	223787	
					4041		3	100.95	407984	
					3929		4	201.9	793237	
					3775		5	504.75	1905465	
					3734		6	1009.5	3769031	
	6	4.01	3.99	4.03	8990	7915	1	25.24	226908	7.98
					8393		2	50.48	423694	
					7518		3	100.95	758936	
					7592		4	201.9	1532876	
					7468		5	504.75	3769375	
					7530		6	1009.5	7601560	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1804701B

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.39	4.37	4.41	11838	10773	1	25.15	297733	5.90
					10994		2	50.3	553016	
					10541		3	100.6	1060412	
					10455		4	251.5	2629334	
					10857		5	503	5461262	
					9953		6	1006	10013030	
	2	4.48	4.46	4.50	5714	4857	1	25.15	143711	10.96
					5205		2	50.3	261813	
					4918		3	100.6	494761	
					4484		4	251.5	1127781	
					4506		5	503	2266600	
					4313		6	1006	4338576	
	3	4.62	4.60	4.64	4900	4073	1	25.15	123237	12.19
					4385		2	50.3	220542	
					4077		3	100.6	410137	
					3777		4	251.5	949799	
					3704		5	503	1862914	
					3596		6	1006	3617770	
	4	4.73	4.71	4.75	4472	3789	1	25.15	112477	10.99
					4010		2	50.3	201696	
					3845		3	100.6	386763	
					3485		4	251.5	876507	
					3608		5	503	1814954	
					3316		6	1006	3336012	
	5	4.78	4.76	4.80	5322	4877	1	25.15	133860	4.52
					4787		2	50.3	240766	
					4736		3	100.6	476422	
					4786		4	251.5	1203711	
					4796		5	503	2412289	
					4833		6	1006	4861962	
	6	4.86	4.84	4.88	8698	7437	1	25.15	218744	9.08
					7632		2	50.3	383896	
					7350		3	100.6	739452	
					7026		4	251.5	1766997	
					7043		5	503	3542476	
					6873		6	1006	6914052	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1804701B

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.62	4.60	4.64	10395	9160	1	25.21	262065	7.17
					9259		2	50.41	466769	
					8843		3	100.82	891515	
					8887		4	201.64	1791958	
					8500		5	504.1	4285008	
					9073		6	1008.2	9146917	
	2	4.73	4.71	4.75	8395	7593	1	25.21	211642	5.60
					7578		2	50.41	382028	
					7331		3	100.82	739115	
					7249		4	201.64	1461764	
					7331		5	504.1	3695618	
					7671		6	1008.2	7734060	
	3	4.86	4.84	4.88	10171	9047	1	25.21	256402	7.16
					9294		2	50.41	468521	
					8470		3	100.82	853935	
					8642		4	201.64	1742543	
					8535		5	504.1	4302498	
					9169		6	1008.2	9243872	
	4	5.09	5.07	5.11	6455	5764	1	25.21	162733	7.66
					6156		2	50.41	310319	
					5475		3	100.82	551971	
					5416		4	201.64	1092076	
					5403		5	504.1	2723552	
					5677		6	1008.2	5723913	
	5	5.29	5.27	5.31	13502	12993	1	25.21	340378	5.30
					12642		2	50.41	637298	
					12314		3	100.82	1241522	
					12765		4	201.64	2574012	
					12596		5	504.1	6349571	
					14140		6	1008.2	14256360	
	6	5.55	5.53	5.57	9790	8972	1	25.21	246804	6.07
					9187		2	50.41	463140	
					8505		3	100.82	857435	
					8342		4	201.64	1682148	
					8727		5	504.1	4399364	
					9280		6	1008.2	9356372	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1804701B

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

ICAL Date(s) Analyzed: 2/16/2018 2/16/2018

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.90	4.88	4.92	8353	8353	1	200.4	1674004	.00
	2	5.10	5.08	5.12	8336	8336	1	200.4	1670467	.00
	3	5.29	5.27	5.31	17017	17017	1	200.4	3410280	.00
	4	5.51	5.49	5.53	6423	6423	1	200.4	1287203	.00
	5	5.55	5.53	5.57	11165	11165	1	200.4	2237565	.00
	6	5.93	5.91	5.95	6045	6045	1	200.4	1211440	.00
Aroclor-1268	1	5.50	5.48	5.52	19977	19977	1	201	4015294	.00
	2	5.55	5.53	5.57	20653	20653	1	201	4151165	.00
	3	5.70	5.68	5.72	16556	16556	1	201	3327710	.00
	4	5.77	5.75	5.79	4224	4224	1	201	848983	.00
	5	5.92	5.90	5.94	7057	7057	1	201	1418450	.00
	6	6.12	6.10	6.14	59401	59401	1	201	11939520	.00

File Name: V:\CP25\25PCBS1804701B.CAL
Version: 9

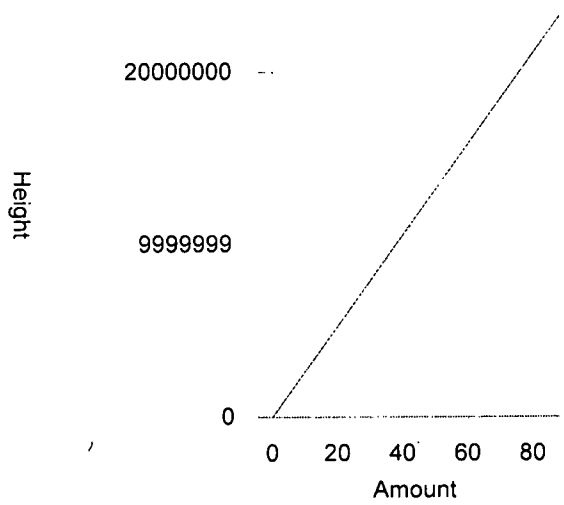
Creator:
Description:
Reason for change:

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:	2.715 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

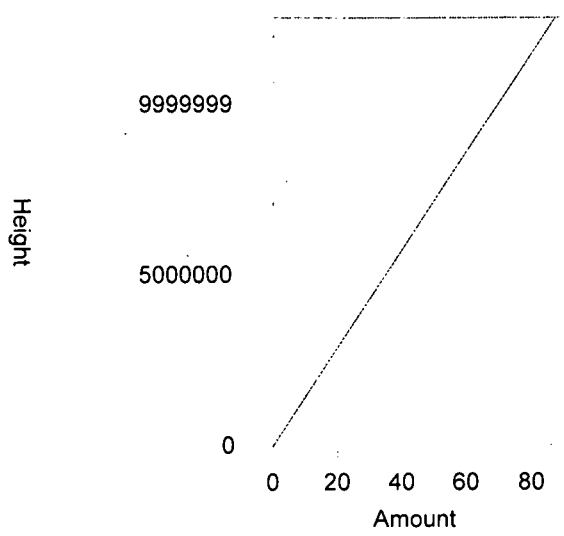
Y = 264002.1 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9948519
Average error:	3.632%
Average CF:	264002.1
RSD:	4.556%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	516755.2	258377.6	-2.130	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.007.l
2	4	1002917	250729.3	-5.028	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.008.l
3	20	5082639	254132	-3.739	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.009.l
4	40	1.105561E+07	276390.3	4.692	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.010.l
5	60.8	1.605836E+07	264117.8	0.044	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.011.l
6	80	2.242127E+07	280265.9	6.160	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.012.l

2 DCB



Expected retention time:	6.281 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 = 143848 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9938362
Average error:	6.427%
Average CF:	143848
RSD:	8.276%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	328060.9	163214.4	13.463	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.(
2	4.02	611909.4	152216.3	5.817	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.(
3	20.12	2679595	133180.7	-7.416	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.(
4	40.24	5655872	140553.5	-2.290	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.(
5	61.16	8089721	132271.4	-8.048	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.(
6	80.48	1.140016E+07	141652.1	-1.527	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001B.(

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 02/16/18

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 20:04

Lab File ID: 25PCBS18047001.032.RAW Initial Calibration: 25PCBS1804701

Lab Standard ID: IC16XAA Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.99	2.96	3.02	40.74	40.30	1
Decachlorobiphenyl	6.71	6.69	6.75	37.18	40.38	-8
Aroclor-1016	3.25	3.23	3.27	195.56	201.00	-3
	3.47	3.45	3.49	205.57	201.00	2
	3.58	3.56	3.60	199.48	201.00	-1
	3.80	3.78	3.82	198.57	201.00	-1
	3.86	3.85	3.89	201.35	201.00	0
	4.06	4.04	4.08	188.56	201.00	-6
Aroclor-1260	4.86	4.84	4.88	194.74	200.60	-3
	5.27	5.25	5.29	185.55	200.60	-8
	5.33	5.31	5.35	186.62	200.60	-7
	5.49	5.48	5.52	191.21	200.60	-5
	5.73	5.71	5.75	188.63	200.60	-6
	5.94	5.92	5.96	178.37	200.60	-11

Compounds 14 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 02/16/18

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 20:04

Lab File ID: 25PCBS18047001B.032.RAW Initial Calibration: 25PCBS1804701B

Lab Standard ID: IC16XAA Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.72	2.69	2.75	39.91	40.30	-1
Decachlorobiphenyl	6.28	6.25	6.31	36.81	40.38	-9
Aroclor-1016	3.00	2.98	3.02	189.72	201.00	-6
	3.34	3.32	3.36	198.08	201.00	-1
	3.53	3.51	3.55	197.33	201.00	-2
	3.61	3.59	3.63	198.76	201.00	-1
	3.67	3.65	3.69	204.04	201.00	2
	3.77	3.75	3.79	189.36	201.00	-6
Aroclor-1260	4.62	4.60	4.64	186.19	200.60	-7
	4.73	4.71	4.75	188.63	200.60	-6
	4.86	4.84	4.88	185.61	200.60	-7
	5.09	5.07	5.11	195.60	200.60	-2
	5.28	5.27	5.31	191.71	200.60	-4
	5.55	5.53	5.57	184.43	200.60	-8

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 02/16/18

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 20:16

Lab File ID: 25PCBS18047001.033.RAW Initial Calibration: 25PCBS1804701

Lab Standard ID: IC48XAA Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.99	2.96	3.02	40.33	40.24	0
Decachlorobiphenyl	6.72	6.69	6.75	36.88	40.30	-8
Aroclor-1248	3.81	3.79	3.83	193.52	200.60	-4
	3.87	3.85	3.89	191.74	200.60	-4
	3.93	3.92	3.96	185.59	200.60	-7
	4.06	4.04	4.08	187.85	200.60	-6
	4.15	4.13	4.17	196.08	200.60	-2
	4.34	4.32	4.36	192.41	200.60	-4

Compounds 8 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 02/16/18

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 20:16

Lab File ID: 25PCBS18047001B.033.RAW Initial Calibration: 25PCBS1804701B

Lab Standard ID: IC48XAA Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.72	2.69	2.75	39.65	40.24	-1
Decachlorobiphenyl	6.28	6.25	6.31	36.90	40.30	-8
Aroclor-1248	3.53	3.51	3.55	195.01	200.60	-3
	3.61	3.59	3.63	187.51	200.60	-7
	3.64	3.62	3.66	189.78	200.60	-5
	3.77	3.75	3.79	191.02	200.60	-5
	3.87	3.85	3.89	194.91	200.60	-3
	4.01	3.99	4.03	196.00	200.60	-2

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 02/16/18

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 20:27

Lab File ID: 25PCBS18047001.034.RAW Initial Calibration: 25PCBS1804701

Lab Standard ID: IC54XAA Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.99	2.96	3.02	20.20	20.15	0
Decachlorobiphenyl	6.72	6.69	6.75	18.43	20.19	-9
Aroclor-1254	4.47	4.45	4.49	218.84	250.00	-12
	4.67	4.65	4.69	217.09	250.00	-13
	4.73	4.71	4.75	216.73	250.00	-13
	4.86	4.84	4.88	214.81	250.00	-14
	5.15	5.13	5.17	213.01	250.00	-15
	5.27	5.25	5.29	213.37	250.00	-15

Compounds 8 Average of %D: 11

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 02/16/18

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 20:27

Lab File ID: 25PCBS18047001B.034.RAW Initial Calibration: 25PCBS1804701B

Lab Standard ID: IC54XAA Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.72	2.69	2.75	19.81	20.15	-2
Decachlorobiphenyl	6.28	6.25	6.31	18.30	20.19	-9
Aroclor-1254	4.39	4.37	4.41	223.51	250.00	-11
	4.48	4.46	4.50	220.82	250.00	-12
	4.62	4.60	4.64	216.45	250.00	-13
	4.73	4.71	4.75	219.15	250.00	-12
	4.78	4.76	4.80	216.03	250.00	-14
	4.86	4.84	4.88	221.20	250.00	-12

Compounds 8 Average of %D: 11

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 03/01/18

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 21:36

Lab File ID: 25PCBS18047010.005.RAW Initial Calibration: 25PCBS1804701

Lab Standard ID: AR164BS Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.99	2.96	3.02	41.39	40.30	3
Decachlorobiphenyl	6.72	6.69	6.75	37.70	40.38	-7
Aroclor-1016	3.25	3.23	3.27	196.32	202.00	-3
	3.47	3.45	3.49	196.04	202.00	-3
	3.58	3.56	3.60	197.82	202.00	-2
	3.80	3.78	3.82	197.06	202.00	-2
	3.87	3.85	3.89	192.68	202.00	-5
	4.06	4.04	4.08	191.90	202.00	-5
Aroclor-1260	4.86	4.84	4.88	202.32	201.64	0
	5.27	5.25	5.29	201.27	201.64	0
	5.33	5.31	5.35	196.39	201.64	-3
	5.50	5.48	5.52	202.82	201.64	1
	5.73	5.71	5.75	204.03	201.64	1
	5.94	5.92	5.96	191.57	201.64	-5

Compounds 14 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 03/01/18

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 21:36

Lab File ID: 25PCBS18047010B.005.RAW Initial Calibration: 25PCBS1804701B

Lab Standard ID: AR164BS Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.71	2.69	2.75	41.97	40.30	4
Decachlorobiphenyl	6.28	6.25	6.31	37.33	40.38	-8
Aroclor-1016	3.00	2.98	3.02	197.22	202.00	-2
	3.34	3.32	3.36	199.36	202.00	-1
	3.53	3.51	3.55	200.64	202.00	-1
	3.61	3.59	3.63	201.07	202.00	0
	3.67	3.65	3.69	197.79	202.00	-2
	3.77	3.75	3.79	203.80	202.00	1
Aroclor-1260	4.62	4.60	4.64	200.18	201.64	-1
	4.73	4.71	4.75	206.71	201.64	3
	4.86	4.84	4.88	196.19	201.64	-3
	5.09	5.07	5.11	197.68	201.64	-2
	5.28	5.27	5.31	206.89	201.64	3
	5.54	5.53	5.57	198.34	201.64	-2

Compounds 14 Average of %D: 2

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKUY Sample ID: UY **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 01, 2018 21:47:42
Instrument : CP25--18274A
Result file : 25PCBS18047010.006.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 105% (33-137) Conc.: 0.210723
%SSR(DCB) : 105% (10-148) Conc.: 0.211268

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**134.63**	
+ 3.23	3.24	3.27	207.5518	0.000808			1
3.23	3.26	3.27	4351.301	0.016936			1
+ 3.45	3.45	3.49	291.2628	0.00108			2
3.45	3.47	3.49	829.0705	0.003074			2
3.56	3.57	3.60	629.3315	0.001966			3
+ 3.56	3.58	3.60	352.0508	0.0011			3
+ 3.56	3.58	3.60	273.123	0.000853			3
3.78	3.81	3.82	932.5098	0.002699			4
+ 3.78	3.82	3.82	148.4191	0.00043			4
3.85	3.85	3.89	360.1153	0.001222			5
+ 3.85	3.87	3.89	341.5414	0.001159			5
+ 3.85	3.88	3.89	337.1697	0.001144			5
+ 4.04	4.05	4.08	204.506	0.000868			6
+ 4.04	4.06	4.08	137.0838	0.000582			6
4.04	4.06	4.08	319.58	0.001357			6
Height Summation:			**7421.9081**				
Amount Avg CF:			**0.004542**	Linear:			
Aroclor-1221					**3**	**163.85**	
+ 3.13	3.13	3.17	250.4404	0.00178			1
+ 3.13	3.15	3.17	175.465	0.001247			1
3.13	3.16	3.17	331.5635	0.002357			1
3.18	3.19	3.22	43394.98	0.36794			2
+ 3.18	3.22	3.22	192.1573	0.001629			2
+ 3.23	3.24	3.27	207.5518	0.000546			3
3.23	3.26	3.27	4351.301	0.011449			3
Height Summation:			**48077.8445**				
Amount Avg CF:			**0.127249**	Linear:			
Aroclor-1232					**6**	**76.32**	
+ 3.23	3.24	3.27	207.5518	0.000706			1
3.23	3.26	3.27	4351.301	0.014808			1
+ 3.45	3.45	3.49	291.2628	0.002331			2
3.45	3.47	3.49	829.0705	0.006634			2
+ 3.57	3.57	3.61	629.3315	0.004285			3
+ 3.57	3.58	3.61	352.0508	0.002397			3
+ 3.57	3.58	3.61	273.123	0.00186			3
3.57	3.60	3.61	2781.634	0.018939			3
3.79	3.81	3.83	932.5098	0.00568			4
+ 3.79	3.82	3.83	148.4191	0.000904			4
3.85	3.85	3.89	360.1153	0.002762			5
+ 3.85	3.87	3.89	341.5414	0.00262			5
+ 3.85	3.88	3.89	337.1697	0.002586			5
+ 4.04	4.05	4.08	204.506	0.002116			6
+ 4.04	4.06	4.08	137.0838	0.001418			6
4.04	4.06	4.08	319.58	0.003307			6
Height Summation:			**9574.2106**				
Amount Avg CF:			**0.008688**	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 21:47:42
Instrument : CP25--18274B
Result file : 25PCBS18047010B.006.RAW
Calibration file : 25PCBS18047 01B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 107% (33-137) Conc.: 0.215747
%SSR(DCB) : 101% (10-148) Conc.: 0.204891

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**33.82**	
+ 3.32	3.32	3.36	806.5439	0.001582			2
3.32	3.33	3.36	965.8024	0.001894			2
+ 3.32	3.35	3.36	659.1774	0.001293			2
3.51	3.52	3.55	1112.528	0.002181			3
+ 3.51	3.54	3.55	539.256	0.001057			3
+ 3.59	3.59	3.63	652.6489	0.001223			4
+ 3.59	3.61	3.63	601.348	0.001127			4
3.59	3.62	3.63	770.7191	0.001444			4
3.65	3.66	3.69	1407.221	0.003508			5
+ 3.65	3.67	3.69	405.4439	0.001011			5
+ 3.65	3.68	3.69	1136.233	0.002832			5
3.75	3.77	3.79	1181.526	0.002686			6
+ 3.75	3.78	3.79	642.6907	0.001461			6
+ 3.75	3.79	3.79	938.1881	0.002133			6
Height Summation:			**5437.7965**				
Amount Avg CF:			**0.002343**	Linear:			
Aroclor-1221					**1**		
2.93	2.94	2.97	77359.02	0.517723			2
Height Summation:			**77359.02**				
Amount Avg CF:			**0.517723**	Linear:			
Aroclor-1232					**5**	**42.64**	
+ 3.32	3.32	3.36	806.5439	0.003409			2
3.32	3.33	3.36	965.8024	0.004082			2
+ 3.32	3.35	3.36	659.1774	0.002786			2
+ 3.32	3.36	3.36	941.4858	0.003979			2
3.52	3.52	3.56	1112.528	0.004552			3
+ 3.52	3.54	3.56	539.256	0.002206			3
+ 3.59	3.61	3.63	601.348	0.002547			4
3.59	3.62	3.63	770.7191	0.003264			4
3.65	3.66	3.69	1407.221	0.009108			5
+ 3.65	3.67	3.69	405.4439	0.002624			5
+ 3.65	3.68	3.69	1136.233	0.007354			5
3.76	3.77	3.80	1181.526	0.006651			6
+ 3.76	3.78	3.80	642.6907	0.003618			6
+ 3.76	3.79	3.80	938.1881	0.005282			6
Height Summation:			**5437.7965**				
Amount Avg CF:			**0.005531**	Linear:			

Kirby B. Turner
Chemist

MAR 03 2018

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKUY Sample ID: UY **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 01, 2018 21:47:42
Instrument : CP25--18274A
Result file : 25PCBS18047010.006.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**107.46**	
+ 3.23	3.24	3.27	207.5518	0.000989			1
3.23	3.26	3.27	4351.301	0.020742			1
+ 3.45	3.45	3.49	291.2628	0.001367			2
3.45	3.47	3.49	829.0705	0.003892			2
+ 3.57	3.57	3.61	629.3315	0.002453			3
+ 3.57	3.58	3.61	352.0508	0.001372			3
+ 3.57	3.58	3.61	273.123	0.001065			3
3.57	3.60	3.61	2781.634	0.010843			3
3.79	3.81	3.83	932.5098	0.003278			4
+ 3.79	3.82	3.83	148.4191	0.000522			4
3.85	3.85	3.89	360.1153	0.001569			5
+ 3.85	3.87	3.89	341.5414	0.001488			5
+ 3.85	3.88	3.89	337.1697	0.001469			5
+ 4.04	4.05	4.08	204.506	0.001127			6
+ 4.04	4.06	4.08	137.0838	0.000755			6
4.04	4.06	4.08	319.58	0.001761			6

Height Summation: **9574.2106**
Amount Avg CF: **0.007014** Linear:

Aroclor-1248					**6**	**89.84**	
3.79	3.81	3.83	932.5098	0.005564			1
+ 3.79	3.82	3.83	148.4191	0.000886			1
3.85	3.85	3.89	360.1153	0.002193			2
+ 3.85	3.87	3.89	341.5414	0.00208			2
+ 3.85	3.88	3.89	337.1697	0.002053			2
3.92	3.93	3.96	3695.156	0.012174			3
+ 3.92	3.95	3.96	272.9989	0.000899			3
+ 4.04	4.05	4.08	204.506	0.000619			4
+ 4.04	4.06	4.08	137.0838	0.000415			4
4.04	4.06	4.08	319.58	0.000968			4
4.13	4.14	4.17	1141.483	0.004254			5
+ 4.13	4.16	4.17	432.7252	0.001613			5
+ 4.13	4.17	4.17	265.5155	0.000989			5
+ 4.32	4.33	4.36	157.7311	0.000559			6
+ 4.32	4.34	4.36	217.1358	0.000769			6
4.32	4.35	4.36	602.6803	0.002134			6

Height Summation: **7051.5244**
Amount Avg CF: **0.004548** Linear:

Analysis Report (B)

Injected on : Mar 01, 2018 21:47:42
Instrument : CP25--18274B
Result file : 25PCBS18047010B.006.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**5**	**35.10**	
+ 3.32	3.32	3.36	806.5439	0.001991			2
3.32	3.33	3.36	965.8024	0.002384			2
+ 3.32	3.35	3.36	659.1774	0.001627			2
+ 3.32	3.36	3.36	941.4858	0.002324			2
3.51	3.52	3.55	1112.528	0.002662			3
+ 3.51	3.54	3.55	539.256	0.00129			3
+ 3.59	3.61	3.63	601.348	0.001428			4
3.59	3.62	3.63	770.7191	0.00183			4
3.65	3.66	3.69	1407.221	0.004515			5
+ 3.65	3.67	3.69	405.4439	0.001301			5
+ 3.65	3.68	3.69	1136.233	0.003646			5
3.76	3.77	3.80	1181.526	0.003406			6
+ 3.76	3.78	3.80	642.6907	0.001852			6
+ 3.76	3.79	3.80	938.1881	0.002704			6

Height Summation: **5437.7965**
Amount Avg CF: **0.002959** Linear:

Aroclor-1248					**6**	**42.10**	
3.51	3.52	3.55	1112.528	0.004831			1
+ 3.51	3.54	3.55	539.256	0.002342			1
+ 3.59	3.59	3.63	652.6489	0.002124			2
+ 3.59	3.61	3.63	601.348	0.001957			2
3.59	3.62	3.63	770.7191	0.002508			2
+ 3.62	3.64	3.66	596.8013	0.001168			3
+ 3.62	3.64	3.66	736.9506	0.001442			3
3.62	3.66	3.66	1407.221	0.002754			3
3.75	3.77	3.79	1181.526	0.001933			4
+ 3.75	3.78	3.79	642.6907	0.001051			4
+ 3.75	3.79	3.79	938.1881	0.001535			4
3.85	3.89	3.89	1177.062	0.002866			5
3.99	4.02	4.03	4384.378	0.005539			6

Height Summation: **10033.4341**
Amount Avg CF: **0.003405** Linear:

Aroclor-1254					**6**	**109.89**	
4.37	4.38	4.41	2527.091	0.002346			1
4.46	4.47	4.50	11514.91	0.023709			2
4.60	4.64	4.64	1678.35	0.004121			3
4.71	4.73	4.75	3977.79	0.010497			4
4.76	4.79	4.80	1331.026	0.002729			5
4.84	4.86	4.88	1973.216	0.002653			6

Height Summation: **23002.383**
Amount Avg CF: **0.007676** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKUY Sample ID: UY **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 01, 2018 21:47:42
Instrument : CP25--18274A
Result file : 25PCBS18047010.006.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**107.13**	
+ 4.45	4.46	4.49	276.509	0.000526			1
4.45	4.47	4.49	685.9344	0.001306			1
+ 4.65	4.65	4.69	203.0865	0.00059			2
4.65	4.67	4.69	1922.975	0.005587			2
+ 4.71	4.72	4.75	87.32871	0.000131			3
+ 4.71	4.73	4.75	173.4808	0.00026			3
4.71	4.75	4.75	238.5177	0.000357			3
+ 4.84	4.85	4.88	141.8587	0.000672			4
+ 4.84	4.86	4.88	134.5042	0.000637			4
+ 4.84	4.86	4.88	133.1403	0.000631			4
4.84	4.87	4.88	149.0513	0.000706			4
5.13	5.15	5.17	2062.811	0.006225			5
+ 5.13	5.17	5.17	259.9337	0.000784			5
5.25	5.26	5.29	330.3776	0.00077			6
+ 5.25	5.27	5.29	206.6572	0.000482			6

Height Summation: **5389.667**
Amount Avg CF: **0.002492** Linear:

Aroclor-1260					**6**	**147.13**	
+ 4.84	4.85	4.88	141.8587	0.000293			1
+ 4.84	4.86	4.88	134.5042	0.000277			1
+ 4.84	4.86	4.88	133.1403	0.000275			1
4.84	4.87	4.88	149.0513	0.000307			1
5.25	5.26	5.29	330.3776	0.000553			2
+ 5.25	5.27	5.29	206.6572	0.000346			2
5.31	5.32	5.35	5055.264	0.01631			3
+ 5.48	5.48	5.52	295.8278	0.000879			4
+ 5.48	5.50	5.52	151.177	0.000449			4
5.48	5.51	5.52	405.3618	0.001204			4
5.71	5.73	5.75	168.3247	0.000198			5
5.92	5.95	5.96	4124.137	0.008218			6

Height Summation: **10232.5164**
Amount Avg CF: **0.004465** Linear:

Aroclor-1262					**5**	**171.34**	
+ 5.48	5.50	5.52	151.177	0.000313			2
5.48	5.51	5.52	405.3618	0.00084			2
+ 5.48	5.52	5.52	283.0184	0.000586			2
+ 5.72	5.73	5.76	168.3247	0.000161			3
5.72	5.76	5.76	40035.11	0.038178			3
5.92	5.95	5.96	4124.137	0.006453			4
5.98	5.98	6.02	433.2328	0.001327			5
+ 5.98	5.99	6.02	382.9902	0.001173			5
+ 5.98	6.02	6.02	291.047	0.000891			5
+ 6.35	6.37	6.39	180.0533	0.000457			6
6.35	6.37	6.39	220.8155	0.000561			6
+ 6.35	6.38	6.39	121.2866	0.000308			6
+ 6.35	6.39	6.39	194.5238	0.000494			6

Height Summation: **45218.6571**
Amount Avg CF: **0.009472** Linear:

Analysis Report (B)

Injected on : Mar 01, 2018 21:47:42
Instrument : CP25--18274B
Result file : 25PCBS18047010B.006.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**5**	**71.90**	
4.71	4.73	4.75	3977.79	0.005239			2
4.84	4.86	4.88	1973.216	0.002181			3
5.07	5.10	5.11	6273.626	0.010885			4
5.27	5.28	5.31	2366.015	0.001821			5
+ 5.27	5.30	5.31	756.9573	0.000583			5
5.53	5.55	5.57	4600.614	0.005128			6

Height Summation: **19191.261**
Amount Avg CF: **0.005051** Linear:

Aroclor-1262					**6**	**59.31**	
4.88	4.91	4.92	2205.064	0.00264			1
5.08	5.10	5.12	6273.626	0.007526			2
5.27	5.28	5.31	2366.015	0.00139			3
+ 5.27	5.30	5.31	756.9573	0.000445			3
5.49	5.50	5.53	1589.77	0.002475			4
5.53	5.55	5.57	4600.614	0.00412			5
5.91	5.92	5.95	2081.144	0.003443			6

Height Summation: **19116.233**
Amount Avg CF: **0.003599** Linear:

Aroclor-1268					**6**	**185.92**	
5.48	5.50	5.52	1589.77	0.000796			1
5.53	5.55	5.57	4600.614	0.002228			2
5.68	5.70	5.72	53952.59	0.032588			3
5.75	5.77	5.79	70661.16	0.167293			4
5.90	5.92	5.94	2081.144	0.002949			5
6.10	6.12	6.14	37248.55	0.006271			6

Height Summation: **170133.828**
Amount Avg CF: **0.035354** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKUY Sample ID: UY **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 01, 2018 21:47:42
Instrument : CP25--18274A
Result file : 25PCBS18047010.006.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**178.07**	
5.92	5.95	5.96	4124.137	0.003019			1
5.98	5.98	6.02	433.2328	0.000374			2
+ 5.98	5.99	6.02	382.9902	0.000331			2
6.11	6.13	6.15	41866.45	0.036694			3
6.17	6.19	6.21	42340.51	0.144343			4
6.35	6.35	6.39	262.5148	0.000551			5
+ 6.35	6.37	6.39	180.0533	0.000378			5
+ 6.35	6.37	6.39	220.8155	0.000464			5
+ 6.35	6.38	6.39	121.2866	0.000255			5
+ 6.35	6.39	6.39	194.5238	0.000408			5
6.55	6.57	6.59	24616.79	0.006389			6

Height Summation: **113643.6346**
Amount Avg CF: **0.031895** Linear:

Analysis Report (B)

Injected on : Mar 01, 2018 21:47:42
Instrument : CP25--18274B
Result file : 25PCBS18047010B.006.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 63.90	4	40	
Aroclor-1221						** 121.08	3	5	
Aroclor-1232						** 44.40	4	10	
Aroclor-1242						** 81.32	4	30	
Aroclor-1248						28.74	4	40	
Aroclor-1254						** 101.97	4	40	
Aroclor-1260						12.31	4	40	
Aroclor-1262						** 89.86	4	40	
Aroclor-1268						10.29	4	40	

Units: ug/l

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 03/01/18

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 23:30

Lab File ID: 25PCBS18047010.015.RAW Initial Calibration: 25PCBS1804701

Lab Standard ID: AR164BT Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.99	2.96	3.02	40.43	40.30	0
Decachlorobiphenyl	6.72	6.69	6.75	38.71	40.38	-4
Aroclor-1016	3.25	3.23	3.27	200.53	202.00	-1
	3.47	3.45	3.49	198.17	202.00	-2
	3.58	3.56	3.60	194.12	202.00	-4
	3.80	3.78	3.82	197.25	202.00	-2
	3.86	3.85	3.89	200.64	202.00	-1
	4.06	4.04	4.08	189.49	202.00	-6
Aroclor-1260	4.86	4.84	4.88	192.92	201.64	-4
	5.27	5.25	5.29	196.93	201.64	-2
	5.33	5.31	5.35	204.82	201.64	2
	5.49	5.48	5.52	195.97	201.64	-3
	5.73	5.71	5.75	197.10	201.64	-2
	5.94	5.92	5.96	180.90	201.64	-10

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 03/01/18

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 23:30

Lab File ID: 25PCBS18047010B.015.RAW Initial Calibration: 25PCBS1804701B

Lab Standard ID: AR164BT Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.71	2.69	2.75	42.55	40.30	6
Decachlorobiphenyl	6.28	6.25	6.31	38.05	40.38	-6
Aroclor-1016	3.00	2.98	3.02	198.00	202.00	-2
	3.33	3.32	3.36	199.35	202.00	-1
	3.53	3.51	3.55	204.59	202.00	1
	3.61	3.59	3.63	203.78	202.00	1
	3.66	3.65	3.69	201.07	202.00	0
	3.77	3.75	3.79	197.97	202.00	-2
Aroclor-1260	4.62	4.60	4.64	195.26	201.64	-3
	4.73	4.71	4.75	197.75	201.64	-2
	4.86	4.84	4.88	193.89	201.64	-4
	5.09	5.07	5.11	193.34	201.64	-4
	5.28	5.27	5.31	202.96	201.64	1
	5.54	5.53	5.57	198.39	201.64	-2

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKUZ Sample ID: UZ **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 01, 2018 23:41:38
Instrument : CP25--18274A
Result file : 25PCBS18047010.016.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 107% (33-137) Conc.: 0.21614
%SSR(DCB) : 102% (10-148) Conc.: 0.206084

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**118.12**	
+ 3.23	3.23	3.27	156.1897	0.000608			1
3.23	3.26	3.27	4641.812	0.018067			1
3.45	3.47	3.49	650.1757	0.002411			2
+ 3.56	3.59	3.60	214.0666	0.000669			3
3.56	3.60	3.60	2801.723	0.008751			3
+ 3.78	3.80	3.82	190.4025	0.000551			4
+ 3.78	3.81	3.82	501.1007	0.00145			4
3.78	3.82	3.82	672.7152	0.001947			4
+ 3.85	3.86	3.89	262.153	0.00089			5
3.85	3.87	3.89	335.8498	0.00114			5
+ 3.85	3.88	3.89	308.0902	0.001046			5
4.04	4.06	4.08	397.5048	0.001688			6
+ 4.04	4.07	4.08	155.0716	0.000658			6
Height Summation:			**9499.7805**				
Amount Avg CF:			**0.005667**	Linear:			
Aroclor-1221					**3**	**163.08**	
+ 3.13	3.13	3.17	270.971	0.001926			1
+ 3.13	3.14	3.17	282.9782	0.002012			1
+ 3.13	3.14	3.17	371.8969	0.002644			1
3.13	3.15	3.17	428.5644	0.003046			1
+ 3.13	3.16	3.17	79.88013	0.000568			1
3.18	3.19	3.22	44195.1	0.374724			2
3.23	3.26	3.27	4641.812	0.012214			3
Height Summation:			**49265.4764**				
Amount Avg CF:			**0.129995**	Linear:			
Aroclor-1232					**6**	**83.36**	
3.23	3.26	3.27	4641.812	0.015796			1
3.45	3.47	3.49	650.1757	0.005203			2
+ 3.45	3.49	3.49	260.492	0.002084			2
+ 3.57	3.59	3.61	214.0666	0.001458			3
3.57	3.60	3.61	2801.723	0.019076			3
+ 3.79	3.80	3.83	190.4025	0.00116			4
+ 3.79	3.81	3.83	501.1007	0.003052			4
3.79	3.82	3.83	672.7152	0.004098			4
+ 3.85	3.86	3.89	262.153	0.002011			5
3.85	3.87	3.89	335.8498	0.002576			5
+ 3.85	3.88	3.89	308.0902	0.002363			5
4.04	4.06	4.08	397.5048	0.004113			6
+ 4.04	4.07	4.08	155.0716	0.001604			6
Height Summation:			**9499.7805**				
Amount Avg CF:			**0.008477**	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:41:38
Instrument : CP25--18274B
Result file : 25PCBS18047010B.016.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 108% (33-137) Conc.: 0.217295
%SSR(DCB) : 102% (10-148) Conc.: 0.20558

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**33.72**	
+ 3.32	3.33	3.36	667.071	0.001308			2
+ 3.32	3.34	3.36	800.2781	0.001569			2
3.32	3.35	3.36	997.4208	0.001956			2
3.51	3.51	3.55	2282.154	0.004475			3
+ 3.51	3.54	3.55	685.2873	0.001344			3
3.59	3.59	3.63	1323.51	0.002479			4
+ 3.59	3.60	3.63	537.778	0.001007			4
+ 3.59	3.62	3.63	470.3202	0.000881			4
+ 3.65	3.65	3.69	1115.11	0.00278			5
3.65	3.66	3.69	1762.122	0.004393			5
+ 3.75	3.76	3.79	589.4162	0.00134			6
+ 3.75	3.77	3.79	597.7207	0.001359			6
+ 3.75	3.78	3.79	767.8159	0.001745			6
3.75	3.79	3.79	1479.428	0.003363			6
Height Summation:			**7844.6348**				
Amount Avg CF:			**0.003333**	Linear:			
Aroclor-1221					**1**		
2.93	2.94	2.97	85805.3	0.574249			2
Height Summation:			**85805.3**				
Amount Avg CF:			**0.574249**	Linear:			
Aroclor-1232					**5**	**67.65**	
+ 3.32	3.33	3.36	667.071	0.002819			2
+ 3.32	3.34	3.36	800.2781	0.003382			2
3.32	3.35	3.36	997.4208	0.004215			2
3.52	3.54	3.56	685.2873	0.002804			3
3.59	3.60	3.63	537.778	0.002278			4
+ 3.59	3.62	3.63	470.3202	0.001992			4
+ 3.65	3.65	3.69	1115.11	0.007218			5
3.65	3.66	3.69	1762.122	0.011406			5
+ 3.76	3.76	3.80	589.4162	0.003318			6
+ 3.76	3.77	3.80	597.7207	0.003365			6
+ 3.76	3.78	3.80	767.8159	0.004322			6
3.76	3.79	3.80	1479.428	0.008328			6
Height Summation:			**5462.0361**				
Amount Avg CF:			**0.005806**	Linear:			

Kirby B. Turner
Chemist

MAR 03 2018

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKUZ Sample ID: UZ **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 01, 2018 23:41:38
Instrument : CP25--18274A
Result file : 25PCBS18047010.016.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**116.61**	
3.23	3.26	3.27	4641.812	0.022126			1
3.45	3.47	3.49	650.1757	0.003053			1
+ 3.45	3.49	3.49	260.492	0.001223			2
+ 3.57	3.59	3.61	214.0666	0.000834			3
3.57	3.60	3.61	2801.723	0.010921			3
+ 3.79	3.80	3.83	190.4025	0.000669			4
+ 3.79	3.81	3.83	501.1007	0.001762			4
3.79	3.82	3.83	672.7152	0.002365			4
+ 3.85	3.86	3.89	262.153	0.001142			5
3.85	3.87	3.89	335.8498	0.001463			5
+ 3.85	3.88	3.89	308.0902	0.001342			5
4.04	4.06	4.08	397.5048	0.00219			6
+ 4.04	4.07	4.08	155.0716	0.000854			6
Height Summation:			**9499.7805**				
Amount Avg CF:				**0.00702** Linear:			
Aroclor-1248					**6**	**114.32**	
+ 3.79	3.80	3.83	190.4025	0.001136			1
+ 3.79	3.81	3.83	501.1007	0.00299			1
3.79	3.82	3.83	672.7152	0.004014			1
+ 3.85	3.86	3.89	262.153	0.001596			2
3.85	3.87	3.89	335.8498	0.002045			2
+ 3.85	3.88	3.89	308.0902	0.001876			2
3.92	3.93	3.96	3797.46	0.012511			3
+ 3.92	3.95	3.96	286.6107	0.000944			3
4.04	4.06	4.08	397.5048	0.001204			4
+ 4.04	4.07	4.08	155.0716	0.00047			4
4.13	4.14	4.17	456.0145	0.001699			5
+ 4.13	4.15	4.17	380.9347	0.00142			5
4.32	4.34	4.36	416.0529	0.001473			6
Height Summation:			**6075.5972**				
Amount Avg CF:				**0.003825** Linear:			
Aroclor-1254					**6**	**102.36**	
+ 4.45	4.46	4.49	242.483	0.000462			1
4.45	4.47	4.49	286.6584	0.000546			1
+ 4.45	4.49	4.49	144.4349	0.000275			1
+ 4.65	4.65	4.69	184.1736	0.000535			2
4.65	4.67	4.69	2200.633	0.006394			2
4.71	4.71	4.75	418.3861	0.000627			3
+ 4.71	4.72	4.75	296.1976	0.000444			3
+ 4.71	4.73	4.75	158.5101	0.000238			3
+ 4.71	4.74	4.75	306.3002	0.000459			3
4.84	4.84	4.88	238.0866	0.001128			4
+ 4.84	4.86	4.88	185.9782	0.000881			4
+ 4.84	4.86	4.88	147.5029	0.000699			4
5.13	5.15	5.17	2135.011	0.006443			5
5.25	5.26	5.29	654.6273	0.001526			6
+ 5.25	5.29	5.29	132.5861	0.000309			6
Height Summation:			**5933.4024**				
Amount Avg CF:				**0.002777** Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:41:38
Instrument : CP25--18274B
Result file : 25PCBS18047010B.016.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**5**	**60.57**	
+ 3.32	3.33	3.36	667.071	0.001646			2
+ 3.32	3.34	3.36	800.2781	0.001975			2
3.32	3.35	3.36	997.4208	0.002462			2
3.51	3.54	3.55	685.2873	0.00164			3
3.59	3.60	3.63	537.778	0.001277			4
+ 3.59	3.62	3.63	470.3202	0.001117			4
+ 3.65	3.65	3.69	1115.11	0.003578			5
3.65	3.66	3.69	1762.122	0.005654			5
+ 3.76	3.76	3.80	589.4162	0.001699			6
+ 3.76	3.77	3.80	597.7207	0.001723			6
+ 3.76	3.78	3.80	767.8159	0.002213			6
3.76	3.79	3.80	1479.428	0.004264			6
Height Summation:			**5462.0361**				
Amount Avg CF:				**0.003059** Linear:			
Aroclor-1248					**5**	**25.49**	
3.51	3.54	3.55	685.2873	0.002976			1
3.59	3.59	3.63	1323.51	0.004307			2
+ 3.59	3.60	3.63	537.778	0.00175			2
+ 3.59	3.62	3.63	470.3202	0.00153			2
+ 3.62	3.63	3.66	407.7894	0.000798			3
+ 3.62	3.64	3.66	437.5165	0.000856			3
+ 3.62	3.65	3.66	1115.11	0.002183			3
3.62	3.66	3.66	1762.122	0.003449			3
+ 3.75	3.76	3.79	589.4162	0.000964			4
+ 3.75	3.77	3.79	597.7207	0.000978			4
+ 3.75	3.78	3.79	767.8159	0.001256			4
3.75	3.79	3.79	1479.428	0.00242			4
3.99	3.99	4.03	1913.566	0.002418			6
Height Summation:			**7163.9133**				
Amount Avg CF:				**0.003114** Linear:			
Aroclor-1254					**4**	**112.88**	
4.37	4.38	4.41	889.4274	0.000826			1
4.46	4.47	4.50	12834.79	0.026427			2
4.71	4.73	4.75	4429.079	0.011688			4
4.76	4.78	4.80	1250.85	0.002565			5
Height Summation:			**19404.1464**				
Amount Avg CF:				**0.010376** Linear:			
Aroclor-1260					**4**	**78.80**	
4.71	4.73	4.75	4429.079	0.005833			2
5.07	5.10	5.11	7391.081	0.012824			4
5.27	5.27	5.31	1919.228	0.001477			5
5.53	5.55	5.57	3895.218	0.004342			6
Height Summation:			**17634.606**				
Amount Avg CF:				**0.006119** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKUZ Sample ID: UZ **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 01, 2018 23:41:38
Instrument : CP25--18274A
Result file : 25PCBS18047010.016.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**138.36**	
+ 4.84	4.84	4.88	115.4959	0.000238			1
4.84	4.84	4.88	238.0866	0.000491			1
+ 4.84	4.86	4.88	185.9782	0.000384			1
+ 4.84	4.86	4.88	147.5029	0.000304			1
5.25	5.26	5.29	654.6273	0.001096			2
+ 5.25	5.29	5.29	132.5861	0.000222			2
5.31	5.31	5.35	4999.339	0.016129			3
+ 5.31	5.35	5.35	162.997	0.000526			3
5.48	5.48	5.52	428.0358	0.001271			4
+ 5.48	5.50	5.52	288.1674	0.000856			4
+ 5.48	5.51	5.52	266.0674	0.00079			4
5.71	5.72	5.75	148.7013	0.000175			5
5.92	5.94	5.96	4609.14	0.009185			6

Height Summation: **11077.93**
Amount Avg CF: **0.004725** Linear:

Aroclor-1262					**6**	**189.68**	
+ 5.32	5.35	5.36	162.997	0.0003			1
5.32	5.35	5.36	234.7337	0.000431			1
5.48	5.50	5.52	288.1674	0.000597			2
+ 5.48	5.51	5.52	266.0674	0.000551			2
+ 5.48	5.52	5.52	167.5923	0.000347			2
+ 5.72	5.72	5.76	148.7013	0.000142			3
5.72	5.76	5.76	45736.55	0.043615			3
5.92	5.94	5.96	4609.14	0.007212			4
5.98	5.99	6.02	509.8416	0.001562			5
+ 5.98	6.00	6.02	472.4663	0.001447			5
+ 5.98	6.01	6.02	189.9933	0.000582			5
+ 5.98	6.02	6.02	201.104	0.000616			5
+ 6.35	6.36	6.39	159.1151	0.000404			6
6.35	6.37	6.39	310.3277	0.000788			6

Height Summation: **51688.7604**
Amount Avg CF: **0.009034** Linear:

Aroclor-1268					**6**	**179.01**	
5.92	5.94	5.96	4609.14	0.003374			1
5.98	5.99	6.02	509.8416	0.00044			2
+ 5.98	6.00	6.02	472.4663	0.000408			2
+ 5.98	6.01	6.02	189.9933	0.000164			2
6.11	6.13	6.15	46457.01	0.040717			3
6.17	6.19	6.21	47436.84	0.161717			4
+ 6.35	6.35	6.39	121.9918	0.000256			5
+ 6.35	6.36	6.39	159.1151	0.000334			5
6.35	6.37	6.39	310.3277	0.000652			5
6.55	6.57	6.59	25151.91	0.006528			6

Height Summation: **124475.0693**
Amount Avg CF: **0.035571** Linear:

Analysis Report (B)

Injected on : Mar 01, 2018 23:41:38
Instrument : CP25--18274B
Result file : 25PCBS18047010B.016.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**5**	**52.88**	
4.88	4.91	4.92	2467.595	0.002954			1
5.08	5.10	5.12	7391.081	0.008867			2
5.49	5.51	5.53	3642.724	0.005671			4
5.53	5.55	5.57	3895.218	0.003489			5
5.91	5.92	5.95	1806.97	0.002989			6

Height Summation: **19203.588**
Amount Avg CF: **0.004794** Linear:

Aroclor-1268					**6**	**184.54**	
5.48	5.51	5.52	3642.724	0.001823			1
5.53	5.55	5.57	3895.218	0.001886			2
5.68	5.70	5.72	61456.22	0.037121			3
5.75	5.77	5.79	76290.87	0.180622			4
5.90	5.92	5.94	1806.97	0.002561			5
6.10	6.12	6.14	40062.55	0.006744			6

Height Summation: **187154.552**
Amount Avg CF: **0.038459** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 51.86	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKUZ Sample ID: UZ **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 01, 2018 23:41:38
Instrument : CP25--18274A
Result file : 25PCBS18047010.016.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Mar 01, 2018 23:41:38
Instrument : CP25--18274B
Result file : 25PCBS18047010B.016.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1221						** 126.16	3	5	
Aroclor-1232						37.40	4	10	
Aroclor-1242						** 78.59	4	30	
Aroclor-1248						20.49	4	40	
Aroclor-1254						** 115.55	4	40	
Aroclor-1260						25.71	4	40	
Aroclor-1262						** 61.33	4	40	
Aroclor-1268						7.80	4	40	

Units: ug/l

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 03/02/18

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 1:00

Lab File ID: 25PCBS18047010.023.RAW Initial Calibration: 25PCBS1804701

Lab Standard ID: AR164BU Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.99	2.96	3.02	40.52	40.30	1
Decachlorobiphenyl	6.72	6.69	6.75	37.68	40.38	-7
Aroclor-1016	3.25	3.23	3.27	194.23	202.00	-4
	3.47	3.45	3.49	193.00	202.00	-4
	3.58	3.56	3.60	191.50	202.00	-5
	3.80	3.78	3.82	188.75	202.00	-7
	3.87	3.85	3.89	196.16	202.00	-3
	4.06	4.04	4.08	186.59	202.00	-8
Aroclor-1260	4.86	4.84	4.88	190.51	201.64	-6
	5.27	5.25	5.29	183.46	201.64	-9
	5.33	5.31	5.35	186.44	201.64	-8
	5.50	5.48	5.52	196.66	201.64	-2
	5.73	5.71	5.75	192.65	201.64	-4
	5.94	5.92	5.96	173.14	201.64	-14

Compounds 14 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 03/02/18

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 1:00

Lab File ID: 25PCBS18047010B.023.RAW Initial Calibration: 25PCBS1804701B

Lab Standard ID: AR164BU Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.71	2.69	2.75	40.96	40.30	2
Decachlorobiphenyl	6.28	6.25	6.31	35.67	40.38	-12
Aroclor-1016	3.00	2.98	3.02	196.98	202.00	-2
	3.33	3.32	3.36	197.75	202.00	-2
	3.53	3.51	3.55	197.49	202.00	-2
	3.61	3.59	3.63	201.96	202.00	0
	3.67	3.65	3.69	195.23	202.00	-3
	3.77	3.75	3.79	195.02	202.00	-3
Aroclor-1260	4.62	4.60	4.64	193.84	201.64	-4
	4.73	4.71	4.75	197.68	201.64	-2
	4.86	4.84	4.88	196.26	201.64	-3
	5.09	5.07	5.11	192.64	201.64	-4
	5.28	5.27	5.31	193.52	201.64	-4
	5.54	5.53	5.57	191.09	201.64	-5

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKVA Sample ID: VA **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 02, 2018 01:12:00
Instrument : CP25--18274A
Result file : 25PCBS18047010.024.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 109% (33-137) Conc.: 0.220142
%SSR(DCB) : 104% (10-148) Conc.: 0.21061

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**126.49**	
3.23	3.26	3.27	5336.853	0.020772			1
+ 3.45	3.45	3.49	185.9988	0.00069			2
3.45	3.46	3.49	819.6009	0.003039			2
+ 3.45	3.48	3.49	415.5755	0.001541			2
+ 3.56	3.59	3.60	327.4151	0.001023			3
3.56	3.60	3.60	3594.792	0.011228			3
3.78	3.79	3.82	260.5142	0.000754			4
+ 3.78	3.81	3.82	204.2157	0.000591			4
+ 3.85	3.86	3.89	19.19033	0.000065			5
+ 3.85	3.86	3.89	225.431	0.000765			5
3.85	3.89	3.89	253.0368	0.000859			5
+ 4.04	4.04	4.08	385.4567	0.001637			6
4.04	4.06	4.08	391.5483	0.001663			6
+ 4.04	4.06	4.08	229.7111	0.000975			6
+ 4.04	4.08	4.08	139.4623	0.000592			6

Height Summation: **10656.3452**
Amount Avg CF: **0.006386** Linear:

Aroclor-1221					**3**	**162.37**	
3.13	3.13	3.17	371.8828	0.002644			1
+ 3.13	3.15	3.17	158.4685	0.001126			1
+ 3.13	3.16	3.17	267.5363	0.001902			1
3.18	3.19	3.22	44981.84	0.381394			2
+ 3.18	3.22	3.22	252.2124	0.002138			2
3.23	3.26	3.27	5336.853	0.014043			3

Height Summation: **50690.5758**
Amount Avg CF: **0.132694** Linear:

Aroclor-1232					**6**	**93.33**	
3.23	3.26	3.27	5336.853	0.018162			1
3.45	3.46	3.49	819.6009	0.006558			2
+ 3.45	3.48	3.49	415.5755	0.003325			2
+ 3.57	3.59	3.61	327.4151	0.002229			3
3.57	3.60	3.61	3594.792	0.024476			3
+ 3.79	3.79	3.83	260.5142	0.001587			4
+ 3.79	3.81	3.83	204.2157	0.001244			4
3.79	3.83	3.83	659.0411	0.004015			4
+ 3.85	3.86	3.89	19.19033	0.000147			5
+ 3.85	3.86	3.89	225.431	0.001729			5
3.85	3.89	3.89	253.0368	0.001941			5
+ 4.04	4.04	4.08	385.4567	0.003988			6
4.04	4.06	4.08	391.5483	0.004051			6
+ 4.04	4.06	4.08	229.7111	0.002377			6
+ 4.04	4.08	4.08	139.4623	0.001443			6

Height Summation: **11054.8721**
Amount Avg CF: **0.009867** Linear:

Analysis Report (B)

Injected on : Mar 02, 2018 01:12:00
Instrument : CP25--18274B
Result file : 25PCBS18047010B.024.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 112% (33-137) Conc.: 0.224929
%SSR(DCB) : 99% (10-148) Conc.: 0.199683

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**71.08**	
+ 3.32	3.33	3.36	783.4146	0.001536			2
3.32	3.34	3.36	814.4914	0.001597			2
3.51	3.51	3.55	2431.307	0.004767			3
+ 3.51	3.53	3.55	407.1223	0.000798			3
+ 3.51	3.54	3.55	889.2126	0.001744			3
+ 3.51	3.55	3.55	1174.765	0.002303			3
3.59	3.60	3.63	632.856	0.001186			4
+ 3.59	3.61	3.63	429.4977	0.000805			4
3.65	3.66	3.69	2421.845	0.006037			5
+ 3.65	3.67	3.69	726.5571	0.001811			5
3.75	3.76	3.79	781.3007	0.001776			6
+ 3.75	3.77	3.79	726.04	0.00165			6
+ 3.75	3.78	3.79	707.2658	0.001608			6

Height Summation: **7081.8001**
Amount Avg CF: **0.003073** Linear:

Aroclor-1221					**1**		
2.93	2.93	2.97	84812.03	0.567602			2
+ 2.93	2.97	2.97	1056.972	0.007074			2

Height Summation: **84812.03**
Amount Avg CF: **0.567602** Linear:

Aroclor-1232					**5**	**70.01**	
+ 3.32	3.33	3.36	783.4146	0.003311			2
3.32	3.34	3.36	814.4914	0.003442			2
+ 3.32	3.36	3.36	412.6028	0.001744			2
+ 3.52	3.53	3.56	407.1223	0.001666			3
+ 3.52	3.54	3.56	889.2126	0.003638			3
3.52	3.55	3.56	1174.765	0.004806			3
+ 3.59	3.60	3.63	632.856	0.00268			4
+ 3.59	3.61	3.63	429.4977	0.001819			4
3.59	3.63	3.63	1046.838	0.004433			4
3.65	3.66	3.69	2421.845	0.015676			5
+ 3.65	3.67	3.69	726.5571	0.004703			5
+ 3.65	3.69	3.69	458.8886	0.00297			5
+ 3.76	3.76	3.80	781.3007	0.004398			6
+ 3.76	3.77	3.80	726.04	0.004087			6
+ 3.76	3.78	3.80	707.2658	0.003982			6
3.76	3.80	3.80	1283.799	0.007227			6

Height Summation: **6741.7384**
Amount Avg CF: **0.007117** Linear:

Kirby B. Turner
Chemist

MAR 03 2018

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKVA Sample ID: VA **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 02, 2018 01:12:00
Instrument : CP25--18274A
Result file : 25PCBS18047010.024.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**119.20**	
3.23	3.26	3.27	5336.853	0.02544			1
3.45	3.46	3.49	819.6009	0.003848			2
+ 3.45	3.48	3.49	415.5755	0.001951			2
+ 3.57	3.59	3.61	327.4151	0.001276			3
3.57	3.60	3.61	3594.792	0.014013			3
+ 3.79	3.79	3.83	260.5142	0.000916			4
+ 3.79	3.81	3.83	204.2157	0.000718			4
3.79	3.83	3.83	659.0411	0.002317			4
+ 3.85	3.86	3.89	19.19033	0.000084			5
+ 3.85	3.86	3.89	225.431	0.000982			5
3.85	3.89	3.89	253.0368	0.001102			5
+ 4.04	4.04	4.08	385.4567	0.002124			6
4.04	4.06	4.08	391.5483	0.002157			6
+ 4.04	4.06	4.08	229.7111	0.001266			6
+ 4.04	4.08	4.08	139.4623	0.000768			6

Height Summation: **11054.8721**
Amount Avg CF: **0.008146** Linear:

Aroclor-1248					**6**	**157.18**	
3.79	3.79	3.83	260.5142	0.001554			1
+ 3.79	3.81	3.83	204.2157	0.001218			1
+ 3.85	3.86	3.89	19.19033	0.000117			2
+ 3.85	3.86	3.89	225.431	0.001373			2
3.85	3.89	3.89	253.0368	0.001541			2
3.92	3.93	3.96	5172.279	0.017041			3
+ 4.04	4.04	4.08	385.4567	0.001167			4
4.04	4.06	4.08	391.5483	0.001186			4
+ 4.04	4.06	4.08	229.7111	0.000696			4
+ 4.04	4.08	4.08	139.4623	0.000422			4
+ 4.13	4.14	4.17	245.3838	0.000914			5
4.13	4.15	4.17	440.8298	0.001643			5
+ 4.32	4.33	4.36	260.795	0.000924			6
4.32	4.34	4.36	377.6898	0.001338			6

Height Summation: **6895.8979**
Amount Avg CF: **0.00405** Linear:

Analysis Report (B)

Injected on : Mar 02, 2018 01:12:00
Instrument : CP25--18274B
Result file : 25PCBS18047010B.024.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**5**	**69.96**	
+ 3.32	3.33	3.36	783.4146	0.001934			2
3.32	3.34	3.36	814.4914	0.00201			2
+ 3.51	3.53	3.55	407.1223	0.000974			3
+ 3.51	3.54	3.55	889.2126	0.002127			3
3.51	3.55	3.55	1174.765	0.002811			3
+ 3.59	3.60	3.63	632.856	0.001503			4
+ 3.59	3.61	3.63	429.4977	0.00102			4
3.59	3.63	3.63	1046.838	0.002486			4
3.65	3.66	3.69	2421.845	0.007771			5
+ 3.65	3.67	3.69	726.5571	0.002331			5
+ 3.65	3.69	3.69	458.8886	0.001472			5
3.76	3.76	3.80	781.3007	0.002252			6
+ 3.76	3.77	3.80	726.04	0.002093			6
+ 3.76	3.78	3.80	707.2658	0.002039			6

Height Summation: **6239.2401**
Amount Avg CF: **0.003466** Linear:

Aroclor-1248					**6**	**36.36**	
+ 3.51	3.53	3.55	407.1223	0.001768			1
+ 3.51	3.54	3.55	889.2126	0.003862			1
3.51	3.55	3.55	1174.765	0.005102			1
+ 3.59	3.60	3.63	632.856	0.002059			2
+ 3.59	3.61	3.63	429.4977	0.001398			2
* 3.59	3.63	3.63	1046.838	0.003406			2
+* 3.62	3.63	3.66	1046.838	0.002049			3
+ 3.62	3.64	3.66	962.6025	0.001884			3
3.62	3.66	3.66	2421.845	0.00474			3
3.75	3.76	3.79	781.3007	0.001278			4
+ 3.75	3.77	3.79	726.04	0.001188			4
+ 3.75	3.78	3.79	707.2658	0.001157			4
3.85	3.85	3.89	1710.678	0.004165			5
3.99	4.00	4.03	2930.152	0.003702			6

Height Summation: **10065.5787**
Amount Avg CF: **0.003732** Linear:

Aroclor-1254					**4**	**84.21**	
4.46	4.47	4.50	11944.49	0.024594			2
4.60	4.63	4.64	1511.121	0.00371			3
4.71	4.72	4.75	4220.667	0.011138			4
+ 4.76	4.79	4.80	1245.221	0.002553			5
4.76	4.80	4.80	2670.505	0.005476			5

Height Summation: **20346.783**
Amount Avg CF: **0.01123** Linear:

Aroclor-1260					**5**	**83.27**	
4.60	4.63	4.64	1511.121	0.00165			1
4.71	4.72	4.75	4220.667	0.005559			2
5.07	5.10	5.11	6580.06	0.011416			4
5.27	5.27	5.31	2119.759	0.001631			5
5.53	5.55	5.57	3547.506	0.003954			6

Height Summation: **17979.113**
Amount Avg CF: **0.004842** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKVA Sample ID: VA **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 02, 2018 01:12:00
Instrument : CP25--18274A
Result file : 25PCBS18047010.024.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**104.22**	
+ 4.45	4.46	4.49	184.025	0.00035			1
4.45	4.47	4.49	596.3525	0.001135			1
+ 4.65	4.66	4.69	247.6989	0.00072			2
4.65	4.67	4.69	2298.842	0.006679			2
+ 4.65	4.69	4.69	327.0583	0.00095			2
4.71	4.72	4.75	261.3626	0.000392			3
+ 4.71	4.74	4.75	124.5461	0.000187			3
+ 4.71	4.74	4.75	147.8483	0.000222			3
4.84	4.85	4.88	271.8748	0.001288			4
+ 4.84	4.86	4.88	215.2771	0.00102			4
+ 4.84	4.87	4.88	218.6211	0.001036			4
5.13	5.15	5.17	2077.479	0.006269			5
+ 5.13	5.17	5.17	485.9798	0.001466			5
5.25	5.25	5.29	369.4398	0.000861			6
+ 5.25	5.28	5.29	151.7613	0.000354			6

Height Summation: **5875.3507**
Amount Avg CF: **0.002771** Linear:

Aroclor-1260					**6**	**148.38**	
4.84	4.85	4.88	271.8748	0.000561			1
+ 4.84	4.86	4.88	215.2771	0.000444			1
+ 4.84	4.87	4.88	218.6211	0.000451			1
5.25	5.25	5.29	369.4398	0.000619			2
+ 5.25	5.28	5.29	151.7613	0.000254			2
5.31	5.31	5.35	6121.039	0.019748			3
+ 5.31	5.34	5.35	229.5759	0.000741			3
+ 5.31	5.35	5.35	245.369	0.000792			3
+ 5.48	5.48	5.52	389.1209	0.001156			4
+ 5.48	5.49	5.52	222.6041	0.000661			4
5.48	5.51	5.52	433.5584	0.001288			4
+ 5.71	5.71	5.75	253.5828	0.000299			5
5.71	5.72	5.75	270.0562	0.000318			5
5.92	5.94	5.96	4673.662	0.009313			6

Height Summation: **12139.6302**
Amount Avg CF: **0.005308** Linear:

Analysis Report (B)

Injected on : Mar 02, 2018 01:12:00
Instrument : CP25--18274B
Result file : 25PCBS18047010B.024.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**74.91**	
4.88	4.91	4.92	1913.69	0.002291			1
5.08	5.10	5.12	6580.06	0.007894			2
5.27	5.27	5.31	2119.759	0.001246			3
5.49	5.52	5.53	1801.076	0.002804			4
5.53	5.55	5.57	3547.506	0.003177			5
5.91	5.94	5.95	1091.195	0.001805			6

Height Summation: **17053.286**
Amount Avg CF: **0.003203** Linear:

Aroclor-1268					**6**	**188.34**	
5.48	5.52	5.52	1801.076	0.000902			1
5.53	5.55	5.57	3547.506	0.001718			2
5.68	5.70	5.72	64920.25	0.039213			3
5.75	5.77	5.79	82112.73	0.194405			4
5.90	5.94	5.94	1091.195	0.001546			5
6.10	6.12	6.14	39271.21	0.006611			6

Height Summation: **192743.967**
Amount Avg CF: **0.040732** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKVA Sample ID: VA **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 02, 2018 01:12:00
Instrument : CP25--18274A
Result file : 25PCBS18047010.024.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Mar 02, 2018 01:12:00
Instrument : CP25--18274B
Result file : 25PCBS18047010B.024.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**184.58**	
+ 5.32	5.34	5.36	229.5759	0.000422			1
5.32	5.35	5.36	245.369	0.000451			1
+ 5.32	5.36	5.36	161.927	0.000298			1
+ 5.48	5.49	5.52	222.6041	0.000461			2
5.48	5.51	5.52	433.5584	0.000898			2
+ 5.72	5.72	5.76	270.0562	0.000258			3
5.72	5.76	5.76	45255.35	0.043156			3
5.92	5.94	5.96	4673.662	0.007312			4
5.98	5.98	6.02	628.7148	0.001926			5
+ 5.98	6.01	6.02	253.1184	0.000775			5
+ 5.98	6.02	6.02	347.9689	0.001066			5
+ 6.35	6.36	6.39	367.8547	0.000934			6
6.35	6.37	6.39	417.6197	0.00106			6

Height Summation: **51654.2739**
Amount Avg CF: **0.009134** Linear:

Aroclor-1268					**6**	**176.27**	
5.92	5.94	5.96	4673.662	0.003421			1
5.98	5.98	6.02	628.7148	0.000543			2
+ 5.98	6.01	6.02	253.1184	0.000218			2
6.11	6.13	6.15	48980.21	0.042929			3
6.17	6.19	6.21	47443.57	0.16174			4
+ 6.35	6.35	6.39	383.1015	0.000804			5
+ 6.35	6.36	6.39	367.8547	0.000772			5
6.35	6.37	6.39	417.6197	0.000877			5
6.55	6.57	6.59	27333.29	0.007094			6

Height Summation: **129477.0665**
Amount Avg CF: **0.036101** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 70.05	4	40	
Aroclor-1221						** 124.21	3	5	
Aroclor-1232						32.38	4	10	
Aroclor-1242						** 80.61	4	30	
Aroclor-1248						8.18	4	40	
Aroclor-1254						** 120.84	4	40	
Aroclor-1260						9.18	4	40	
Aroclor-1262						** 96.15	4	40	
Aroclor-1268						12.06	4	40	

Units: ug/l

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKVB Sample ID: VB **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 02, 2018 01:23:43
Instrument : CP25--18274A
Result file : 25PCBS18047010.025.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 105% (33-137) Conc.: 0.211155
%SSR(DCB) : 96% (10-148) Conc.: 0.194826

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**146.61**	
+ 3.23	3.24	3.27	198.6718	0.000773			1
3.23	3.26	3.27	3557.447	0.013846			1
3.45	3.45	3.49	369.8448	0.001371			2
+ 3.45	3.46	3.49	184.6098	0.000684			2
+ 3.45	3.47	3.49	232.8253	0.000863			2
3.56	3.57	3.60	712.118	0.002224			3
+ 3.56	3.58	3.60	377.2824	0.001178			3
+ 3.78	3.79	3.82	216.3074	0.000626			4
3.78	3.81	3.82	508.2195	0.001471			4
+ 3.85	3.85	3.89	216.0393	0.000733			5
3.85	3.88	3.89	256.7269	0.000871			5
+ 4.04	4.05	4.08	210.5258	0.000894			6
+ 4.04	4.06	4.08	183.0868	0.000777			6
+ 4.04	4.06	4.08	143.2966	0.000608			6
4.04	4.07	4.08	256.2127	0.001088			6
Height Summation:			**5660.5689**				
Amount Avg CF:			**0.003479**	Linear:			
Aroclor-1221					**3**	**165.07**	
+ 3.13	3.13	3.17	351.9297	0.002502			1
3.13	3.14	3.17	397.362	0.002825			1
+ 3.13	3.15	3.17	239.0559	0.001699			1
3.18	3.19	3.22	44328.75	0.375857			2
+ 3.23	3.24	3.27	198.6718	0.000523			3
3.23	3.26	3.27	3557.447	0.009361			3
Height Summation:			**48283.559**				
Amount Avg CF:			**0.129347**	Linear:			
Aroclor-1232					**6**	**94.94**	
+ 3.23	3.24	3.27	198.6718	0.000676			1
3.23	3.26	3.27	3557.447	0.012106			1
3.45	3.45	3.49	369.8448	0.002959			2
+ 3.45	3.46	3.49	184.6098	0.001477			2
+ 3.45	3.47	3.49	232.8253	0.001863			2
+ 3.57	3.57	3.61	712.118	0.004849			3
+ 3.57	3.58	3.61	377.2824	0.002569			3
3.57	3.61	3.61	2456.547	0.016726			3
+ 3.79	3.79	3.83	216.3074	0.001318			4
3.79	3.81	3.83	508.2195	0.003096			4
+ 3.85	3.85	3.89	216.0393	0.001657			5
3.85	3.88	3.89	256.7269	0.001969			5
+ 4.04	4.05	4.08	210.5258	0.002178			6
+ 4.04	4.06	4.08	183.0868	0.001894			6
+ 4.04	4.06	4.08	143.2966	0.001483			6
4.04	4.07	4.08	256.2127	0.002651			6
Height Summation:			**7404.9979**				
Amount Avg CF:			**0.006585**	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 01:23:43
Instrument : CP25--18274B
Result file : 25PCBS18047010B.025.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 109% (33-137) Conc.: 0.219909
%SSR(DCB) : 101% (10-148) Conc.: 0.204835

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**44.13**	
+ 3.32	3.33	3.36	844.2918	0.001656			2
+ 3.32	3.33	3.36	896.7199	0.001758			2
3.32	3.34	3.36	1532.809	0.003006			2
+ 3.32	3.35	3.36	653.7458	0.001282			2
3.51	3.52	3.55	3122.784	0.006123			3
+ 3.51	3.54	3.55	838.8146	0.001645			3
+ 3.59	3.60	3.63	936.2986	0.001754			4
+ 3.59	3.60	3.63	418.7771	0.000785			4
3.59	3.61	3.63	973.6378	0.001824			4
3.65	3.66	3.69	2362.886	0.00589			5
+ 3.65	3.68	3.69	542.723	0.001353			5
+ 3.65	3.68	3.69	1488.174	0.00371			5
3.75	3.77	3.79	1794.417	0.004079			6
+ 3.75	3.79	3.79	1616.802	0.003675			6
Height Summation:			**9786.5338**				
Amount Avg CF:			**0.004184**	Linear:			
Aroclor-1221					**1**		
2.93	2.94	2.97	80554.64	0.539109			2
Height Summation:			**80554.64**				
Amount Avg CF:			**0.539109**	Linear:			
Aroclor-1232					**5**	**46.52**	
+ 3.32	3.33	3.36	844.2918	0.003568			2
+ 3.32	3.33	3.36	896.7199	0.00379			2
3.32	3.34	3.36	1532.809	0.006478			2
+ 3.32	3.35	3.36	653.7458	0.002763			2
3.52	3.52	3.56	3122.784	0.012776			3
+ 3.52	3.54	3.56	838.8146	0.003432			3
+ 3.59	3.60	3.63	936.2986	0.003965			4
+ 3.59	3.60	3.63	418.7771	0.001774			4
3.59	3.61	3.63	973.6378	0.004123			4
3.65	3.66	3.69	2362.886	0.015294			5
+ 3.65	3.68	3.69	542.723	0.003513			5
+ 3.65	3.68	3.69	1488.174	0.009632			5
3.76	3.77	3.80	1794.417	0.010102			6
+ 3.76	3.79	3.80	1616.802	0.009102			6
Height Summation:			**9786.5338**				
Amount Avg CF:			**0.009755**	Linear:			

Kirby B. Turner
Chemist

MAR 03 2018

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKVB Sample ID: VB **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 02, 2018 01:23:43
Instrument : CP25--18274A
Result file : 25PCBS18047010.025.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**119.82**	
+ 3.23	3.24	3.27	198.6718	0.000947			1
3.23	3.26	3.27	3557.447	0.016958			1
3.45	3.45	3.49	369.8448	0.001736			2
+ 3.45	3.46	3.49	184.6098	0.000867			2
+ 3.45	3.47	3.49	232.8253	0.001093			2
+ 3.57	3.57	3.61	712.118	0.002776			3
+ 3.57	3.58	3.61	377.2824	0.001471			3
3.57	3.61	3.61	2456.547	0.009576			3
+ 3.79	3.79	3.83	216.3074	0.00076			4
3.79	3.81	3.83	508.2195	0.001787			4
+ 3.85	3.85	3.89	216.0393	0.000941			5
3.85	3.88	3.89	256.7269	0.001118			5
+ 4.04	4.05	4.08	210.5258	0.00116			6
+ 4.04	4.06	4.08	183.0868	0.001009			6
+ 4.04	4.06	4.08	143.2966	0.000789			6
4.04	4.07	4.08	256.2127	0.001412			6

Height Summation: **7404.9979**
Amount Avg CF: **0.005431** Linear:

Aroclor-1248					**6**	**103.75**	
+ 3.79	3.79	3.83	216.3074	0.001291			1
3.79	3.81	3.83	508.2195	0.003032			1
+ 3.85	3.85	3.89	216.0393	0.001316			2
3.85	3.88	3.89	256.7269	0.001563			2
3.92	3.93	3.96	3596.461	0.011849			3
+ 4.04	4.05	4.08	210.5258	0.000638			4
+ 4.04	4.06	4.08	183.0868	0.000554			4
+ 4.04	4.06	4.08	143.2966	0.000434			4
4.04	4.07	4.08	256.2127	0.000776			4
+ 4.13	4.13	4.17	162.2376	0.000605			5
4.13	4.15	4.17	2149.257	0.008009			5
+ 4.32	4.34	4.36	93.07645	0.00033			6
4.32	4.34	4.36	287.5623	0.001018			6

Height Summation: **7054.4394**
Amount Avg CF: **0.004375** Linear:

Analysis Report (B)

Injected on : Mar 02, 2018 01:23:43
Instrument : CP25--18274B
Result file : 25PCBS18047010B.025.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**5**	**43.69**	
+ 3.32	3.33	3.36	844.2918	0.002084			2
+ 3.32	3.33	3.36	896.7199	0.002213			2
3.32	3.34	3.36	1532.809	0.003783			2
+ 3.32	3.35	3.36	653.7458	0.001614			2
3.51	3.52	3.55	3122.784	0.007471			3
+ 3.51	3.54	3.55	838.8146	0.002007			3
+ 3.59	3.60	3.63	936.2986	0.002223			4
+ 3.59	3.60	3.63	418.7771	0.000994			4
3.59	3.61	3.63	973.6378	0.002312			4
3.65	3.66	3.69	2362.886	0.007581			5
+ 3.65	3.68	3.69	542.723	0.001741			5
+ 3.65	3.68	3.69	1488.174	0.004775			5
3.76	3.77	3.80	1794.417	0.005172			6
+ 3.76	3.79	3.80	1616.802	0.00466			6

Height Summation: **9786.5338**
Amount Avg CF: **0.005264** Linear:

Aroclor-1248					**6**	**79.66**	
3.51	3.52	3.55	3122.784	0.013561			1
+ 3.51	3.54	3.55	838.8146	0.003643			1
+ 3.59	3.60	3.63	936.2986	0.003047			2
+ 3.59	3.60	3.63	418.7771	0.001363			2
3.59	3.61	3.63	973.6378	0.003168			2
+ 3.62	3.63	3.66	746.1986	0.001461			3
3.62	3.66	3.66	2362.886	0.004625			3
3.75	3.77	3.79	1794.417	0.002935			4
+ 3.75	3.79	3.79	1616.802	0.002645			4
3.85	3.88	3.89	1399.546	0.003408			5
3.99	4.00	4.03	2755.086	0.003481			6
+ 3.99	4.02	4.03	1431.256	0.001808			6

Height Summation: **12408.3568**
Amount Avg CF: **0.005196** Linear:

Aroclor-1254					**4**	**100.40**	
4.37	4.38	4.41	2900.671	0.002693			1
4.46	4.47	4.50	11980.81	0.024668			2
4.71	4.72	4.75	4133.49	0.010908			4
4.76	4.79	4.80	1400.479	0.002872			5

Height Summation: **20415.45**
Amount Avg CF: **0.010285** Linear:

Aroclor-1260					**3**	**54.47**	
4.71	4.72	4.75	4133.49	0.005444			2
5.07	5.10	5.11	6708.064	0.011639			4
5.53	5.55	5.57	3968.139	0.004423			6

Height Summation: **14809.693**
Amount Avg CF: **0.007168** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKVB Sample ID: VB **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 02, 2018 01:23:43
Instrument : CP25--18274A
Result file : 25PCBS18047010.025.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	92.10	
4.45	4.48	4.49	916.7862	0.001745			1
+ 4.45	4.49	4.49	232.0827	0.000442			1
+ 4.45	4.49	4.49	270.1295	0.000514			1
4.65	4.67	4.69	2031.556	0.005902			2
+ 4.71	4.72	4.75	185.0157	0.000277			3
4.71	4.73	4.75	255.4236	0.000383			3
+ 4.71	4.73	4.75	165.7587	0.000248			3
+ 4.71	4.74	4.75	181.2259	0.000272			3
+ 4.84	4.84	4.88	237.5808	0.001126			4
4.84	4.86	4.88	258.7557	0.001226			4
+ 5.13	5.14	5.17	144.7614	0.000437			5
5.13	5.15	5.17	2133.833	0.006439			5
5.25	5.26	5.29	589.304	0.001373			6
+ 5.25	5.29	5.29	243.5911	0.000568			6

Height Summation: **6185.6585**
Amount Avg CF: **0.002845** Linear:

Aroclor-1260					6	141.61	
+ 4.84	4.84	4.88	165.3501	0.000341			1
+ 4.84	4.84	4.88	237.5808	0.00049			1
4.84	4.86	4.88	258.7557	0.000534			1
5.25	5.26	5.29	589.304	0.000987			2
+ 5.25	5.29	5.29	243.5911	0.000408			2
5.31	5.32	5.35	4705.244	0.01518			3
+ 5.48	5.48	5.52	201.26	0.000598			4
+ 5.48	5.49	5.52	219.5693	0.000652			4
5.48	5.50	5.52	247.2871	0.000735			4
5.71	5.72	5.75	312.9361	0.000369			5
+ 5.71	5.73	5.75	274.1108	0.000323			5
5.92	5.95	5.96	4009.801	0.007991			6

Height Summation: **10123.3279**
Amount Avg CF: **0.004299** Linear:

Aroclor-1262					6	127.08	
5.32	5.35	5.36	296.6809	0.000545			1
+ 5.48	5.48	5.52	201.26	0.000417			2
+ 5.48	5.49	5.52	219.5693	0.000455			2
+ 5.48	5.50	5.52	247.2871	0.000512			2
5.48	5.52	5.52	733.1102	0.001519			2
5.72	5.72	5.76	312.9361	0.000298			3
+ 5.72	5.73	5.76	274.1108	0.000261			3
5.92	5.95	5.96	4009.801	0.006274			4
5.98	5.99	6.02	277.0087	0.000848			5
+ 5.98	5.99	6.02	268.728	0.000823			5
+ 5.98	6.01	6.02	244.8173	0.00075			5
+ 6.35	6.36	6.39	236.3354	0.0006			6
6.35	6.38	6.39	445.0712	0.00113			6
+ 6.35	6.39	6.39	251.5294	0.000639			6

Height Summation: **6074.6081**
Amount Avg CF: **0.001769** Linear:

Analysis Report (B)

Injected on : Mar 02, 2018 01:23:43
Instrument : CP25--18274B
Result file : 25PCBS18047010B.025.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					6	78.66	
4.88	4.91	4.92	1989.225	0.002381			1
5.08	5.10	5.12	6708.064	0.008047			2
5.27	5.31	5.31	981.899	0.000577			3
5.49	5.50	5.53	1744.456	0.002716			4
5.53	5.55	5.57	3968.139	0.003554			5
5.91	5.92	5.95	1308.044	0.002164			6

Height Summation: **16699.827**
Amount Avg CF: **0.00324** Linear:

Aroclor-1268					6	186.34	
5.48	5.50	5.52	1744.456	0.000873			1
5.53	5.55	5.57	3968.139	0.001921			2
5.68	5.70	5.72	66362.21	0.040084			3
5.75	5.77	5.79	80854.34	0.191426			4
5.90	5.92	5.94	1308.044	0.001854			5
6.10	6.12	6.14	40392.46	0.0068			6

Height Summation: **194629.649**
Amount Avg CF: **0.040493** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKVB Sample ID: VB **Batchnumber: 185999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : Mar 02, 2018 01:23:43
Instrument : CP25--18274A
Result file : 25PCBS18047010.025.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**178.93**	
5.92	5.95	5.96	4009.801	0.002935			1
5.98	5.99	6.02	277.0087	0.000239			2
+ 5.98	5.99	6.02	268.728	0.000232			2
+ 5.98	6.01	6.02	244.8173	0.000211			2
6.11	6.13	6.15	50516.48	0.044275			3
6.17	6.19	6.21	50551.07	0.172333			4
+ 6.35	6.35	6.39	208.8919	0.000439			5
+ 6.35	6.36	6.39	236.3354	0.000496			5
6.35	6.38	6.39	445.0712	0.000934			5
+ 6.35	6.39	6.39	251.5294	0.000528			5
6.55	6.57	6.59	27225.42	0.007066			6

Height Summation: **133024.8509**
Amount Avg CF: **0.037964** Linear:

Analysis Report (B)

Injected on : Mar 02, 2018 01:23:43
Instrument : CP25--18274B
Result file : 25PCBS18047010B.025.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						18.42	4	40	
Aroclor-1221						** 122.60	3	5	
Aroclor-1232						38.80	4	10	
Aroclor-1242						3.13	4	30	
Aroclor-1248						17.17	4	40	
Aroclor-1254						** 113.34	4	40	
Aroclor-1260						** 50.04	4	40	
Aroclor-1262						** 58.73	4	40	
Aroclor-1268						6.45	4	40	

Units: ug/l

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 03/02/18

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 1:35

Lab File ID: 25PCBS18047010.026.RAW Initial Calibration: 25PCBS1804701

Lab Standard ID: AR164BV Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.99	2.96	3.02	40.97	40.30	2
Decachlorobiphenyl	6.72	6.69	6.75	39.02	40.38	-3
Aroclor-1016	3.25	3.23	3.27	198.24	202.00	-2
	3.47	3.45	3.49	194.14	202.00	-4
	3.58	3.56	3.60	200.54	202.00	-1
	3.80	3.78	3.82	195.04	202.00	-3
	3.87	3.85	3.89	198.02	202.00	-2
	4.06	4.04	4.08	189.87	202.00	-6
Aroclor-1260	4.86	4.84	4.88	198.69	201.64	-1
	5.27	5.25	5.29	189.57	201.64	-6
	5.33	5.31	5.35	201.90	201.64	0
	5.50	5.48	5.52	199.91	201.64	-1
	5.73	5.71	5.75	213.42	201.64	6
	5.94	5.92	5.96	190.16	201.64	-6

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 03/02/18

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 1:35

Lab File ID: 25PCBS18047010B.026.RAW Initial Calibration: 25PCBS1804701B

Lab Standard ID: AR164BV Init. Calib Date(s): 02/16/18 02/16/18

Calibration: 25PCBS1804701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.71	2.69	2.75	42.82	40.30	6
Decachlorobiphenyl	6.28	6.25	6.31	38.29	40.38	-5
Aroclor-1016	3.00	2.98	3.02	203.78	202.00	1
	3.34	3.32	3.36	202.43	202.00	0
	3.53	3.51	3.55	208.69	202.00	3
	3.61	3.59	3.63	207.11	202.00	3
	3.67	3.65	3.69	204.85	202.00	1
	3.77	3.75	3.79	206.04	202.00	2
Aroclor-1260	4.62	4.60	4.64	205.35	201.64	2
	4.73	4.71	4.75	208.26	201.64	3
	4.86	4.84	4.88	202.02	201.64	0
	5.09	5.07	5.11	204.04	201.64	1
	5.28	5.27	5.31	201.72	201.64	0
	5.54	5.53	5.57	197.87	201.64	-2

Compounds 14 Average of %D: 2

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS18047001
Instrument CP25--18274A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS18047001.001	CONDITIONER		2/16/18 14:14	184699999	1.00
9065	25PCBS18047001.002	CONDITIONER		2/16/18 14:25	184699999	1.00
9065	25PCBS18047001.003	CONDITIONER		2/16/18 14:36	184699999	1.00
9065	25PCBS18047001.004	CONDITIONER		2/16/18 14:47	184699999	1.00
9065	25PCBS18047001.005	IBLKX1724B	PIBLKAA	2/16/18 14:58	184699999	10.00
9065	25PCBS18047001.006	EVALX1724B	EVALXAA	2/16/18 15:10	184699999	1.00
9065	25PCBS18047001.007	AR1611724C	AR161AA	2/16/18 15:22	184699999	1.00
9065	25PCBS18047001.008	AR1621724C	AR162AA	2/16/18 15:33	184699999	1.00
9065	25PCBS18047001.009	AR1631724C	AR163AA	2/16/18 15:44	184699999	1.00
9065	25PCBS18047001.010	AR1641724C	AR164AA	2/16/18 15:55	184699999	1.00
9065	25PCBS18047001.011	AR1651724C	AR165AA	2/16/18 16:06	184699999	1.00
9065	25PCBS18047001.012	AR1661724B	AR166AA	2/16/18 16:18	184699999	1.00
9065	25PCBS18047001.013	AR4811824A	AR481AA	2/16/18 16:29	184699999	1.00
9065	25PCBS18047001.014	AR4821824A	AR482AA	2/16/18 16:41	184699999	1.00
9065	25PCBS18047001.015	AR4831824A	AR483AA	2/16/18 16:52	184699999	1.00
9065	25PCBS18047001.016	AR4841824A	AR484AA	2/16/18 17:03	184699999	1.00
9065	25PCBS18047001.017	AR4851824A	AR485AA	2/16/18 17:15	184699999	1.00
9065	25PCBS18047001.018	AR4861824A	AR486AA	2/16/18 17:26	184699999	1.00
9065	25PCBS18047001.019	AR5411724C	AR541AA	2/16/18 17:37	184699999	1.00
9065	25PCBS18047001.020	AR5421724C	AR542AA	2/16/18 17:48	184699999	1.00
9065	25PCBS18047001.021	AR5431724C	AR543AA	2/16/18 17:59	184699999	1.00
9065	25PCBS18047001.022	AR5441724C	AR544AA	2/16/18 18:11	184699999	1.00
9065	25PCBS18047001.023	AR5451724C	AR545AA	2/16/18 18:22	184699999	1.00
9065	25PCBS18047001.024	AR5461724B	AR546AA	2/16/18 18:33	184699999	1.00
9065	25PCBS18047001.025	AR6241724A	AR624AA	2/16/18 18:45	184699999	1.00
9065	25PCBS18047001.026	AR6841724A	AR684AA	2/16/18 18:56	184699999	1.00
9065	25PCBS18047001.027	AR2141724A	AR214AA	2/16/18 19:08	184699999	1.00
9065	25PCBS18047001.028	AR3241724A	AR324AA	2/16/18 19:19	184699999	1.00
9065	25PCBS18047001.029	AR4241824A	AR424AA	2/16/18 19:30	184699999	1.00
9065	25PCBS18047001.030	AR16XX1724C	AR16XAA	2/16/18 19:42	184699999	1.00
9065	25PCBS18047001.031	MD16X1724C	MD16XAA	2/16/18 19:53	184699999	1.00
9065	25PCBS18047001.032	IC16X1724D	IC16XAA	2/16/18 20:04	184699999	1.00
9065	25PCBS18047001.033	IC48X1824A	IC48XAA	2/16/18 20:16	184699999	1.00
9065	25PCBS18047001.034	IC54X1724B	IC54XAA	2/16/18 20:27	184699999	1.00
9065	25PCBS18047001.035	9427639 RI ACF	09356	2/16/18 20:38	180380033A	10.00
9065	25PCBS18047001.036	BLANKA 2/5/18 RI AF	PBLK12036	2/16/18 20:49	180360012A	2.00
9065	25PCBS18047001.037	LOD 2/5/18 RI AF		2/16/18 21:01	180360012A	2.00
9065	25PCBS18047001.038	BLANKA 1/31/18 RI A	PBLK17031	2/16/18 21:12	180310017A	10.00
9065	25PCBS18047001.039	LOD 1/31/18 RI AF		2/16/18 21:24	180310017A	10.00
9065	25PCBS18047001.040	9452198MS RI ACF	[23M09MS	2/16/18 21:35	180440006A	50.00
9065	25PCBS18047001.041	BLANKA 2/13/18 RI C	PBLK03044	2/16/18 21:46	180440003A	2.00
9065	25PCBS18047001.042	LCSA 2/13/18 RI CA	FLCS03044	2/16/18 21:58	180440003A	2.00
9065	25PCBS18047001.043	9449620MS RI CAF	D0304	2/16/18 22:09	180440003A	2.00
9065	25PCBS18047001.044	9449621MSD RI CA	FD0304	2/16/18 22:21	180440003A	2.00
9065	25PCBS18047001.045	AR1641724C	AR164YH	2/16/18 22:32	184699999	1.00
9065	25PCBS18047001.046	IBLKX1724B	PIBLKNO	2/16/18 22:43	184699999	10.00
9065	25PCBS18047001.047	BLANKA 2/14/18 RI C	PBLK08045	2/16/18 22:55	180450008A	2.00
9065	25PCBS18047001.048	LCSA 2/14/18 RI CA	FLCS08045	2/16/18 23:06	180450008A	2.00
9065	25PCBS18047001.049	LCSDA 2/14/18 RI C	ALCSD08045	2/16/18 23:17	180450008A	2.00
9065	25PCBS18047001.050	9453368 RI CAF	OM134	2/16/18 23:29	180450008A	2.00
9065	25PCBS18047001.051	9454425 RI CAF	A5625	2/16/18 23:40	180450008A	2.00
9065	25PCBS18047001.052	9454426 RI CAF	A5626	2/16/18 23:51	180450008A	2.00
9065	25PCBS18047001.053	AR1641724C	AR164YI	2/17/18 0:02	184699999	1.00
9065	25PCBS18047001.054	IBLKX1724B	PIBLKNP	2/17/18 0:14	184699999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS18047010
Instrument CP25--18274A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS18047010.001	CONDITIONER		3/1/18 20:51	185999999	1.00
9065	25PCBS18047010.002	CONDITIONER		3/1/18 21:02	185999999	1.00
9065	25PCBS18047010.003	CONDITIONER		3/1/18 21:13	185999999	1.00
9065	25PCBS18047010.004	CONDITIONER		3/1/18 21:25	185999999	1.00
9065	25PCBS18047010.005	AR1641724C	AR164BS	3/1/18 21:36	185999999	1.00
9065	25PCBS18047010.006	IBLKX1724B	PIBLKUY	3/1/18 21:47	185999999	10.00
9065	25PCBS18047010.007	BLANK1 2/7/18 RI ACF	PBLK27038	3/1/18 21:59	180380027A	10.00
9065	25PCBS18047010.008	BLANK2 2/7/18 RI ACF	PBLK27038	3/1/18 22:10	180380027A	10.00
9065	25PCBS18047010.009	BLANKA 2/7/18 RI ACF	PBLK27038	3/1/18 22:22	180380027A	10.00
9065	25PCBS18047010.010	MDL1 2/7/18 RI ACF		3/1/18 22:33	180380027A	10.00
9065	25PCBS18047010.011	MDL2 2/7/18 RI ACF		3/1/18 22:44	180380027A	10.00
9065	25PCBS18047010.012	MDL3 2/7/18 RI ACF		3/1/18 22:55	180380027A	10.00
9065	25PCBS18047010.013	BLANKA 3/1/18 CAF	PBLK45059	3/1/18 23:07	180590045A	10.00
9065	25PCBS18047010.014	LCSA 3/1/18 CAF	LCS45059	3/1/18 23:19	180590045A	10.00
9065	25PCBS18047010.015	AR1641724C	AR164BT	3/1/18 23:30	185999999	1.00
9065	25PCBS18047010.016	IBLKX1724B	PIBLKUZ	3/1/18 23:41	185999999	10.00
9065	25PCBS18047010.017	9481687 CAF	A6301	3/1/18 23:52	180590045A	10.00
9065	25PCBS18047010.018	9481688 CAF	A6302	3/2/18 0:04	180590045A	10.00
9065	25PCBS18047010.019	9481688MS CAF	A6302MS	3/2/18 0:15	180590045A	10.00
9065	25PCBS18047010.020	9481688MSD CAF	A6302MSD	3/2/18 0:26	180590045A	10.00
9065	25PCBS18047010.021	9481689 CAF	A6303	3/2/18 0:38	180590045A	10.00
9065	25PCBS18047010.022	9481690 CAF	A6304	3/2/18 0:49	180590045A	10.00
9065	25PCBS18047010.023	AR1641724C	AR164BU	3/2/18 1:00	185999999	1.00
9065	25PCBS18047010.024	IBLKX1724B	PIBLKVA	3/2/18 1:12	185999999	10.00
9065	25PCBS18047010.025	IBLKX1724B	PIBLKVB	3/2/18 1:23	185999999	10.00
9065	25PCBS18047010.026	AR1641724C	AR164BV	3/2/18 1:35	185999999	1.00
9065	25PCBS18047010.027	BLANKA 2/24/18 CAF	PBLK14054	3/2/18 1:46	180540014A	1.00
9065	25PCBS18047010.028	LCSA 2/24/18 CAF	LCS14054	3/2/18 1:57	180540014A	1.00
9065	25PCBS18047010.029	LCSDA 2/24/18 CAF	LCSD14054	3/2/18 2:08	180540014A	1.00
9065	25PCBS18047010.030	9466538 CAF	-IDW-	3/2/18 2:20	180540014A	1.00
9065	25PCBS18047010.031	9468267 CAF	WE8F2	3/2/18 2:32	180540014A	1.00
9065	25PCBS18047010.032	9468921 CAF	IDWW1	3/2/18 2:43	180540014A	1.00
9065	25PCBS18047010.033	9469174 CAF	60A18	3/2/18 2:54	180540014A	1.00
9065	25PCBS18047010.034	9470021 CAF	-SYNT	3/2/18 3:05	180540014A	1.00
9065	25PCBS18047010.035	9470025 CAF	YCT--	3/2/18 3:17	180540014A	1.00
9065	25PCBS18047010.036	9470027 CAF	MIX--	3/2/18 3:28	180540014A	1.00
9065	25PCBS18047010.037	IBLKX1724B	PIBLKVC	3/2/18 3:39	185999999	10.00
9065	25PCBS18047010.038	AR1641724C	AR164BW	3/2/18 3:50	185999999	1.00
9065	25PCBS18047010.039	9470029 CAF	PAV--	3/2/18 4:02	180540014A	1.00
9065	25PCBS18047010.040	9470031 CAF	TETR-	3/2/18 4:13	180540014A	1.00
9065	25PCBS18047010.041	9470033 CAF	NEON-	3/2/18 4:24	180540014A	1.00
9065	25PCBS18047010.042	9470035 CAF	RABB-	3/2/18 4:36	180540014A	1.00
9065	25PCBS18047010.043	9470063 CAF	ISO--	3/2/18 4:47	180540014A	1.00
9065	25PCBS18047010.044	9470965 CAF	G0810	3/2/18 4:58	180540014A	1.00
9065	25PCBS18047010.045	9471106 CAF	62A14	3/2/18 5:09	180540014A	1.00
9065	25PCBS18047010.046	9471107 CAF	62A15	3/2/18 5:21	180540014A	1.00
9065	25PCBS18047010.047	9471534 CAF	50W01	3/2/18 5:32	180540014A	1.00
9065	25PCBS18047010.048	9471535 CAF	50W02	3/2/18 5:43	180540014A	1.00
9065	25PCBS18047010.049	IBLKX1724B	PIBLKVD	3/2/18 5:55	185999999	10.00
9065	25PCBS18047010.050	AR1641724C	AR164BX	3/2/18 6:06	185999999	1.00
9065	25PCBS18047010.051	BLANKA 2/26/18 CAF	PBLK04057	3/2/18 6:17	180570004A	2.00
9065	25PCBS18047010.052	LCSA 2/26/18 CAF	LCS04057	3/2/18 6:29	180570004A	2.00
9065	25PCBS18047010.053	LCSDA 2/26/18 CAF	LCSD04057	3/2/18 6:40	180570004A	2.00
9065	25PCBS18047010.054	9470478 CAF	MC361	3/2/18 6:51	180570004A	2.00
9065	25PCBS18047010.055	9470479 CAF	MC362	3/2/18 7:03	180570004A	2.00
9065	25PCBS18047010.056	9470480 CAF	MC363	3/2/18 7:14	180570004A	2.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS18047010.057	9470481 CAF	MC364	3/2/18 7:26	180570004A	2.00
9065	25PCBS18047010.058	9470482 CAF	MC365	3/2/18 7:37	180570004A	2.00
9065	25PCBS18047010.059	9470483 CAF	MC366	3/2/18 7:48	180570004A	2.00
9065	25PCBS18047010.060	9474257 CAF	J7207	3/2/18 8:00	180570004A	2.00
9065	25PCBS18047010.061	IBLKX1724B	PIBLKVE	3/2/18 8:11	185999999	10.00
9065	25PCBS18047010.062	AR1641724C	AR164BY	3/2/18 8:22	185999999	1.00
9065	25PCBS18047010.063	9474292 CAF	J7312	3/2/18 8:34	180570004A	2.00
9065	25PCBS18047010.064	BLANKA 2/27/18 CAI	PBLK14058	3/2/18 8:45	180580014A	2.00
9065	25PCBS18047010.065	LCSA 2/27/18 CAF	LCS14058	3/2/18 8:59	180580014A	2.00
9065	25PCBS18047010.066	9473425 CAF	G0901	3/2/18 9:10	180580014A	2.00
9065	25PCBS18047010.067	9473426MS CAF	G0901	3/2/18 9:21	180580014A	2.00
9065	25PCBS18047010.068	9473427MSD CAF	G0901	3/2/18 9:33	180580014A	2.00
9065	25PCBS18047010.069	9473433 CAF	G0903	3/2/18 9:44	180580014A	2.00
9065	25PCBS18047010.070	9473435 CAF	G0905	3/2/18 9:55	180580014A	2.00
9065	25PCBS18047010.071	9473437 CAF	G0907	3/2/18 10:06	180580014A	2.00
9065	25PCBS18047010.072	9473439 CAF	G0909	3/2/18 10:18	180580014A	2.00
9065	25PCBS18047010.073	IBLKX1724B	PIBLKVF	3/2/18 10:29	185999999	10.00
9065	25PCBS18047010.074	AR1641724C	AR164BZ	3/2/18 10:40	185999999	1.00
9065	25PCBS18047010.075	9473441 CAF	G0911	3/2/18 10:51	180580014A	2.00
9065	25PCBS18047010.076	9473443 CAF	G0913	3/2/18 11:03	180580014A	2.00
9065	25PCBS18047010.077	AR4241824A	AA	3/2/18 11:14	180580014A	1.00
9065	25PCBS18047010.078	AR4841824A	AA	3/2/18 11:25	180580014A	1.00
9065	25PCBS18047010.079	AR5441724C	AA	3/2/18 11:36	180580014A	1.00
9065	25PCBS18047010.080	IBLKX1724B	PIBLKVG	3/2/18 11:48	185999999	10.00
9065	25PCBS18047010.081	AR1641724C	AR164CA	3/2/18 11:59	185999999	1.00
9065	25PCBS18047010.082	BLANKA 2/27/18 ACI	PBLK07058	3/2/18 12:10	180580007A	10.00
9065	25PCBS18047010.083	LCSA 2/27/18 ACF	LCS07058	3/2/18 12:22	180580007A	10.00
9065	25PCBS18047010.084	AR1641724C	AR164CB	3/2/18 12:33	185999999	1.00
9065	25PCBS18047010.085	IBLKX1724B	PIBLKVH	3/2/18 12:44	185999999	10.00
9065	25PCBS18047010.086	9466817 RI ACF	0162A	3/2/18 12:56	180580007A	10.00
9065	25PCBS18047010.087	9466817MS ACF	0162AMS	3/2/18 13:07	180580007A	10.00
9065	25PCBS18047010.088	9466817MSD ACF	0162AMSD	3/2/18 13:18	180580007A	10.00
9065	25PCBS18047010.089	9466820 RI ACF	PPCOA	3/2/18 13:30	180580007A	10.00
9065	25PCBS18047010.090	9468922 RI ACF	IDWS1	3/2/18 13:41	180580007A	10.00
9065	25PCBS18047010.091	9468979 RI ACF	SLM09	3/2/18 13:52	180580007A	10.00
9065	25PCBS18047010.092	9468982 RI ACF	SLM12	3/2/18 14:04	180580007A	10.00
9065	25PCBS18047010.093	9468983 RI ACF	SLM13	3/2/18 14:15	180580007A	10.00
9065	25PCBS18047010.094	9468984 RI ACF	SLM14	3/2/18 14:26	180580007A	10.00
9065	25PCBS18047010.095	9468985 RI ACF	SLM15	3/2/18 14:38	180580007A	10.00
9065	25PCBS18047010.096	9468986 RI ACF	SLM16	3/2/18 14:49	180580007A	10.00
9065	25PCBS18047010.097	9474754 ACF DF5	33546	3/2/18 15:00	180580007A	50.00
9065	25PCBS18047010.098	CONDITIONER		3/2/18 15:12	185999999	1.00
9065	25PCBS18047010.099	9474754 ACF DF10	33546	3/2/18 15:23	180580007A	100.00
9065	25PCBS18047010.100	CONDITIONER		3/2/18 15:34	185999999	1.00
9065	25PCBS18047010.101	9474758 RI ACF	33549	3/2/18 15:46	180580007A	10.00
9065	25PCBS18047010.102	CONDITIONER		3/2/18 15:57	185999999	1.00
9065	25PCBS18047010.103	9474758 ACF DF5	33549	3/2/18 16:08	180580007A	50.00
9065	25PCBS18047010.104	CONDITIONER		3/2/18 16:20	185999999	1.00
9065	25PCBS18047010.105	AR1641724C	AR164CC	3/2/18 16:31	185999999	1.00
9065	25PCBS18047010.106	IBLKX1724B	PIBLKVI	3/2/18 16:42	185999999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATH63

Fraction: Polychlorinated Biphenyls (PCBs)

10225: PCBs in Solids by 8082/3550 Analyte Name	Default MDL	Default LOQ	Units
PCB-1016	0.0030	0.051	mg/kg
PCB-1221	0.0030	0.051	mg/kg
PCB-1232	0.0030	0.051	mg/kg
PCB-1242	0.0030	0.051	mg/kg
PCB-1248	0.0030	0.051	mg/kg
PCB-1254	0.0030	0.051	mg/kg
PCB-1260	0.0030	0.051	mg/kg

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9481687 CAF A6301 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.34 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Mar 01, 2018 23:52:56
Instrument	18274A
Result file	25PCBS18047010.017.RAW
Calibration file	25PCBS1804701
Method file	25PCBS

%SSR(TCX) 103% (61 - 152) Conc: 30.36085
%SSR(DCB) 108% (48 - 164) Conc: 28.27095

Analysis Report (B)

Injected on	Mar 01, 2018 23:52:56
Instrument	18274B
Result file	25PCBS18047010B.017.RAW
Calibration file	25PCBS1804701B
Method file	25PCBSB

%SSR(TCX) 104% (61 - 152) Conc: 30.70364
%SSR(DCB) 103% (48 - 164) Conc: 26.91894

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.96	2.99	3.02	4829104	30.36085
Decachlorobiphenyl	6.69	6.71	6.75	2758022	28.27095

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.69	2.71	2.74	8381424	30.70364
Decachlorobiphenyl	6.25	6.28	6.31	4003894	26.91894

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	30.70364				1.12	
☑	Tetrachloro-m-xylene-D1	A	30.36085					
☑	Tetrachloro-m-xylene-D2	B	30.70364					
☐	Decachlorobiphenyl	A	28.27095				4.90	
☑	Decachlorobiphenyl-D1	A	28.27095					
☑	Decachlorobiphenyl-D2	B	26.91894					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**28.82**	
4.84	4.86	4.88	17455.95	3.482007			1
5.25	5.27	5.29	32380.07	5.245156			2
5.31	5.33	5.35	21634.31	6.750302			3
5.48	5.49	5.52	23064.85	6.625965			4
5.71	5.73	5.75	66505.49	7.581529			5
5.92	5.94	5.96	45533.59	8.775321			6

Height summation: **206574.26**
Concentration CF: **6.410047** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**37.95**	
4.60	4.62	4.64	44259.31	4.673167			1
4.71	4.73	4.75	25506.05	3.248821			2
4.84	4.86	4.88	43210.02	4.619266			3
5.07	5.09	5.11	35799.24	6.006965			4
5.27	5.28	5.31	127241.5	9.470835			5
5.53	5.54	5.57	68081.78	7.338764			6

Height summation: **344097.9**
Concentration CF: **5.89297** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49.323	<2.9014	D1		4	
☑	PCB-1221			<49.323	<2.9014	D1		3	
☑	PCB-1232			<49.323	<2.9014	D1		4	
☑	PCB-1242			<49.323	<2.9014	D1		4	
☑	PCB-1248			<49.323	<2.9014	D1		4	
☑	PCB-1254			<49.323	<2.9014	D1		4	
☑	PCB-1260	A	6.410047	<49.323	2.9014	JD1	8.41	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

MAR 0 2 2018

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:14

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481687 CAF A6301 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.34 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:52:56
Instrument : CP25--18274A
Result file : 25PCBS18047010.017.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 103% (61-152) Conc.: 30.36085
%SSR(DCB) : 108% (48-164) Conc.: 28.27095

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	19.42	
+ 3.23	3.24	3.27	147.4375	0.055498			1
+ 3.23	3.25	3.27	310.56	0.1169			1
3.23	3.26	3.27	788.6754	0.296872			1
+ 3.45	3.45	3.49	286.2206	0.102627			2
3.45	3.46	3.49	808.5941	0.289928			2
+ 3.45	3.48	3.49	417.2208	0.149598			2
3.56	3.58	3.60	1203.77	0.363616			3
+ 3.56	3.60	3.60	375.4857	0.113421			3
+ 3.78	3.79	3.82	352.603	0.098695			4
3.78	3.81	3.82	1418.57	0.397064			4
+ 3.85	3.85	3.89	288.0225	0.094544			5
3.85	3.86	3.89	834.4911	0.273923			5
+ 4.04	4.05	4.08	210.3438	0.086375			6
4.04	4.06	4.08	570.7589	0.234376			6
+ 4.04	4.08	4.08	359.1674	0.147488			6
Height Summation:			**5624.8595**				
Amount Avg CF:			**0.309296**	Linear:			
Aroclor-1221					3	170.26	
+ 3.13	3.13	3.17	142.6255	0.098051			1
+ 3.13	3.14	3.17	188.4128	0.129529			1
3.13	3.15	3.17	617.7347	0.424676			1
+ 3.13	3.16	3.17	170.3667	0.117123			1
3.18	3.19	3.22	66554.65	54.575159			2
+ 3.18	3.22	3.22	380.9511	0.312382			2
+ 3.23	3.24	3.27	147.4375	0.037519			3
+ 3.23	3.25	3.27	310.56	0.079029			3
3.23	3.26	3.27	788.6754	0.200696			3
Height Summation:			**67961.0601**				
Amount Avg CF:			**18.400177**	Linear:			
Aroclor-1232					6	33.09	
+ 3.23	3.24	3.27	147.4375	0.048524			1
+ 3.23	3.25	3.27	310.56	0.102211			1
3.23	3.26	3.27	788.6754	0.259566			1
+ 3.45	3.45	3.49	286.2206	0.221496			2
3.45	3.46	3.49	808.5941	0.625742			2
+ 3.45	3.48	3.49	417.2208	0.322872			2
3.57	3.58	3.61	1203.77	0.792653			3
+ 3.57	3.60	3.61	375.4857	0.247248			3
+ 3.79	3.79	3.83	352.603	0.207728			4
3.79	3.81	3.83	1418.57	0.835719			4
+ 3.85	3.85	3.89	288.0225	0.213664			5
3.85	3.86	3.89	834.4911	0.619052			5
+ 4.04	4.05	4.08	210.3438	0.210481			6
4.04	4.06	4.08	570.7589	0.571132			6
+ 4.04	4.08	4.08	359.1674	0.359402			6
Height Summation:			**5624.8595**				
Amount Avg CF:			**0.617311**	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:52:56
Instrument : CP25--18274B
Result file : 25PCBS18047010B.017.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 104% (61-152) Conc.: 30.70364
%SSR(DCB) : 103% (48-164) Conc.: 26.91894

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	48.13	
2.98	3.00	3.02	2982.698	0.650004			1
+ 3.32	3.32	3.36	658.4893	0.124882			2
+ 3.32	3.33	3.36	930.2056	0.176412			2
+ 3.32	3.34	3.36	1670.132	0.316739			2
3.32	3.35	3.36	2545.769	0.482802			2
+ 3.51	3.52	3.55	911.6365	0.172877			3
+ 3.51	3.53	3.55	336.156	0.063746			3
3.51	3.54	3.55	1115.368	0.211511			3
+ 3.59	3.60	3.63	723.129	0.131013			4
3.59	3.62	3.63	881.1078	0.159635			4
+ 3.65	3.65	3.69	760.5487	0.183354			5
3.65	3.66	3.69	2330.623	0.561868			5
3.75	3.75	3.79	1657.418	0.364373			6
+ 3.75	3.77	3.79	1292.066	0.284053			6
Height Summation:			**11512.9838**				
Amount Avg CF:			**0.405032**	Linear:			
Aroclor-1221					3	168.72	
2.87	2.89	2.91	2369.688	0.842215			1
2.93	2.94	2.97	112958.6	73.111401			2
2.98	3.00	3.02	2982.698	0.443574			3
Height Summation:			**118310.986**				
Amount Avg CF:			**24.799064**	Linear:			
Aroclor-1232					6	66.96	
2.98	3.00	3.02	2982.698	0.559123			1
+ 3.32	3.32	3.36	658.4893	0.269138			2
+ 3.32	3.33	3.36	930.2056	0.380194			2
+ 3.32	3.34	3.36	1670.132	0.682618			2
3.32	3.35	3.36	2545.769	1.040509			2
+ 3.52	3.52	3.56	911.6365	0.360704			3
+ 3.52	3.53	3.56	336.156	0.133006			3
3.52	3.54	3.56	1115.368	0.441313			3
+ 3.59	3.60	3.63	723.129	0.296183			4
3.59	3.62	3.63	881.1078	0.360888			4
3.65	3.66	3.69	2330.623	1.458934			5
+ 3.65	3.69	3.69	609.2067	0.381354			5
+ 3.76	3.77	3.80	1292.066	0.703453			6
3.76	3.79	3.80	3694.394	2.011379			6
Height Summation:			**13549.9598**				
Amount Avg CF:			**0.978691**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9481687** CAF A6301 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.34 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:52:56
Instrument : CP25--18274A
Result file : 25PCBS18047010.017.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**17.37**	
+ 3.23	3.24	3.27	147.4375	0.067969			1
+ 3.23	3.25	3.27	310.56	0.143169			1
3.23	3.26	3.27	788.6754	0.363581			1
+ 3.45	3.45	3.49	286.2206	0.12996			2
3.45	3.46	3.49	808.5941	0.367148			2
+ 3.45	3.48	3.49	417.2208	0.189442			2
3.57	3.58	3.61	1203.77	0.453812			3
+ 3.57	3.60	3.61	375.4857	0.141555			3
+ 3.79	3.79	3.83	352.603	0.119884			4
3.79	3.81	3.83	1418.57	0.48231			4
+ 3.85	3.85	3.89	288.0225	0.121355			5
3.85	3.86	3.89	834.4911	0.351604			5
+ 4.04	4.05	4.08	210.3438	0.112072			6
4.04	4.06	4.08	570.7589	0.304104			6
+ 4.04	4.08	4.08	359.1674	0.191367			6
Height Summation:			**5624.8595**				
Amount Avg CF:			**0.387093**	Linear:			
Aroclor-1248					**6**	**68.55**	
+ 3.79	3.79	3.83	352.603	0.20347			1
3.79	3.81	3.83	1418.57	0.818588			1
+ 3.85	3.85	3.89	288.0225	0.169625			2
3.85	3.86	3.89	834.4911	0.491456			2
3.92	3.92	3.96	402.3436	0.128201			3
+ 3.92	3.93	3.96	308.5469	0.098314			3
+ 3.92	3.94	3.96	212.7863	0.067801			3
+ 3.92	3.95	3.96	197.1703	0.062825			3
+ 4.04	4.05	4.08	210.3438	0.061607			4
4.04	4.06	4.08	570.7589	0.167169			4
+ 4.04	4.08	4.08	359.1674	0.105196			4
4.13	4.14	4.17	673.1443	0.242602			5
+ 4.13	4.15	4.17	322.7245	0.11631			5
+ 4.13	4.16	4.17	174.8363	0.063011			5
+ 4.13	4.17	4.17	635.4269	0.229009			5
4.32	4.33	4.36	1202.723	0.411952			6
Height Summation:			**5102.0309**				
Amount Avg CF:			**0.376661**	Linear:			
Aroclor-1254					**6**	**100.29**	
4.45	4.47	4.49	3376.344	0.621534			1
+ 4.45	4.49	4.49	385.2256	0.070914			1
+ 4.65	4.65	4.69	174.5083	0.049034			2
4.65	4.67	4.69	5296.169	1.488136			2
4.71	4.73	4.75	2708.848	0.392565			3
4.84	4.86	4.88	17455.95	7.998459			4
+ 5.13	5.13	5.17	92.70783	0.027056			5
5.13	5.15	5.17	8571.138	2.501379			5
5.25	5.27	5.29	32380.07	7.29799			6
Height Summation:			**69788.519**				
Amount Avg CF:			**3.383344**	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:52:56
Instrument : CP25--18274B
Result file : 25PCBS18047010B.017.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**53.13**	
2.98	3.00	3.02	2982.698	0.791342			1
+ 3.32	3.32	3.36	658.4893	0.157179			2
+ 3.32	3.33	3.36	930.2056	0.222036			2
+ 3.32	3.34	3.36	1670.132	0.398654			2
3.32	3.35	3.36	2545.769	0.607665			2
+ 3.51	3.52	3.55	911.6365	0.210932			3
+ 3.51	3.53	3.55	336.156	0.077779			3
3.51	3.54	3.55	1115.368	0.258071			3
+ 3.59	3.60	3.63	723.129	0.166048			4
3.59	3.62	3.63	881.1078	0.202324			4
3.65	3.66	3.69	2330.623	0.723194			5
+ 3.65	3.69	3.69	609.2067	0.189037			5
+ 3.76	3.77	3.80	1292.066	0.360168			6
3.76	3.79	3.80	3694.394	1.029826			6
Height Summation:			**13549.9598**				
Amount Avg CF:			**0.602071**	Linear:			
Aroclor-1248					**5**	**37.30**	
+ 3.51	3.52	3.55	911.6365	0.382877			1
+ 3.51	3.53	3.55	336.156	0.141182			1
3.51	3.54	3.55	1115.368	0.468442			1
+ 3.59	3.60	3.63	723.129	0.22756			2
3.59	3.62	3.63	881.1078	0.277274			2
3.62	3.64	3.66	1058.297	0.200328			3
+ 3.62	3.65	3.66	760.5487	0.143966			3
3.75	3.75	3.79	1657.418	0.262197			4
+ 3.75	3.77	3.79	1292.066	0.204399			4
3.99	4.00	4.03	3841.998	0.469433			6
+ 3.99	4.03	4.03	1406.76	0.171884			6
Height Summation:			**8554.1888**				
Amount Avg CF:			**0.335535**	Linear:			
Aroclor-1254					**6**	**72.38**	
+ 4.37	4.37	4.41	1117.562	0.100325			1
+ 4.37	4.38	4.41	2716.283	0.243844			1
4.37	4.40	4.41	3316.927	0.297765			1
4.46	4.48	4.50	30326.44	6.03889			2
4.60	4.62	4.64	44259.31	10.509262			3
4.71	4.73	4.75	25506.05	6.509637			4
4.76	4.78	4.80	7930.866	1.572825			5
4.84	4.86	4.88	43210.02	5.61916			6
Height Summation:			**154549.613**				
Amount Avg CF:			**5.091257**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481687 CAF A6301 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.34 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:52:56
Instrument : CP25--18274A
Result file : 25PCBS18047010.017.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	28.82	
4.84	4.86	4.88	17455.95	3.482007			1
5.25	5.27	5.29	32380.07	5.245156			2
5.31	5.33	5.35	21634.31	6.750302			3
5.48	5.49	5.52	23064.85	6.625965			4
5.71	5.73	5.75	66505.49	7.581529			5
5.92	5.94	5.96	45533.59	8.775321			6
Height Summation:			**206574.26**				
Amount Avg CF:			**6.410047**	Linear:			
Aroclor-1262					6	22.39	
5.32	5.33	5.36	21634.31	3.844628			1
5.48	5.49	5.52	23064.85	4.621345			2
5.72	5.73	5.76	66505.49	6.133474			3
+ 5.72	5.75	5.76	36122.82	3.33143			3
5.92	5.94	5.96	45533.59	6.889974			4
5.98	5.99	6.02	14498.44	4.2947			5
6.35	6.37	6.39	21581.53	5.299272			6
Height Summation:			**192818.21**				
Amount Avg CF:			**5.180566**	Linear:			
Aroclor-1268					6	117.80	
5.92	5.94	5.96	45533.59	3.223343			1
5.98	5.99	6.02	14498.44	1.210334			2
6.11	6.13	6.15	55257.72	4.683839			3
6.17	6.19	6.21	55442.09	18.27925			4
+ 6.17	6.21	6.21	9796.1	3.229773			4
6.35	6.37	6.39	21581.53	4.382129			5
6.55	6.57	6.59	43474.65	1.091293			6
Height Summation:			**235788.02**				
Amount Avg CF:			**5.478365**	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:52:56
Instrument : CP25--18274B
Result file : 25PCBS18047010B.017.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	37.95	
4.60	4.62	4.64	44259.31	4.673167			1
4.71	4.73	4.75	25506.05	3.248821			2
4.84	4.86	4.88	43210.02	4.619266			3
5.07	5.09	5.11	35799.24	6.006965			4
5.27	5.28	5.31	127241.5	9.470835			5
5.53	5.54	5.57	68081.78	7.338764			6
Height Summation:			**344097.9**				
Amount Avg CF:			**5.89297**	Linear:			
Aroclor-1262					6	31.74	
4.88	4.89	4.92	32137.31	3.720748			1
5.08	5.09	5.12	35799.24	4.153489			2
+ 5.08	5.11	5.12	6962.191	0.807765			2
5.27	5.28	5.31	127241.5	7.231292			3
5.49	5.50	5.53	20125.13	3.030183			4
5.53	5.54	5.57	68081.78	5.897018			5
5.91	5.92	5.95	32710.88	5.233202			6
Height Summation:			**316095.84**				
Amount Avg CF:			**4.877655**	Linear:			
Aroclor-1268					6	129.00	
5.48	5.50	5.52	20125.13	0.974309			1
5.53	5.54	5.57	68081.78	3.188133			2
5.68	5.70	5.72	73996.95	4.322588			3
5.75	5.77	5.79	89800.19	20.561452			4
5.90	5.92	5.94	32710.88	4.482845			5
6.10	6.12	6.14	60001.92	0.976908			6
Height Summation:			**344716.85**				
Amount Avg CF:			**5.751039**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.323	2.9014		26.80	4	40	
Aroclor-1221			49.323	2.9014		29.62	3	5	
Aroclor-1232			49.323	2.9014		** 45.29	4	10	
Aroclor-1242			49.323	2.9014		** 43.47	4	30	
Aroclor-1248			49.323	2.9014		11.55	4	40	
Aroclor-1254			49.323	2.9014		** 40.31	4	40	
Aroclor-1260			49.323	2.9014		8.41	4	40	
Aroclor-1262			49.323	2.9014		6.02	4	40	
Aroclor-1268			49.323	2.9014		4.86	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9481687 CAF ACA6301 T 180590045A 10225 SW-846 8082
Injected On: 3/1/2018 11:52:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.019		6624	5978
2.035		4841	3733
2.065		6118	5536
2.099		4923	4574
2.131		1329	573
2.147		5798	3850
2.167		4533	2462
2.192		35041	22057
2.212		2296	1093
2.225		1992	993
2.25		3806	5210
2.283		7505	5385
2.303		1923	1569
2.339		230	88
2.349		644	250
2.374		5085	3422
2.393		1808	1051
2.433		1698	1834
2.452		16303	10871
2.491		365	132
2.507		1397	878
2.519		1133	702
2.54		1126	605
2.552		646	363
2.577		2996	1974
2.604		832	372
2.615		421	163
2.629		1794	984
2.646		128	33
2.663		1312	1185
2.68		1728	1181
2.715		4686	3188
2.733		365	106
2.747		1585	723
2.766		1108	594
2.786		117	107
2.797		1293	672
2.818		1187	867
2.837		141	26
2.843		202	38
2.852		358	157
2.865		723	303
2.892		2674	2438
2.922		793	470
2.938		1291	949
2.962		269	58
2.992	TCX	4829104	3174922
3.076		525	168
3.106		926	622
3.132		143	111
3.138		188	42
3.149		618	173
3.163		170	16
3.173		357	103

RT A	Compound A	Height A	Area A
3.193		66555	43184
3.221		381	85
3.238		147	75
3.249		311	148
3.26		789	511
3.28		448	116
3.305		8902	6612
3.324		9689	5656
3.345		280	121
3.368		324	103
3.386		276	138
3.4		258	54
3.422		483	329
3.439		364	120
3.453		286	84
3.462		809	485
3.481		417	174
3.493		177	78
3.506		255	68
3.524		263	50
3.54		289	124
3.552		1016	642
3.583		1204	735
3.599		375	246
3.611		200	65
3.626		800	388
3.649		224	56
3.656		867	498
3.674		159	28
3.678		288	43
3.697		1353	1176
3.729		1195	991
3.751		187	37
3.763		463	404
3.786		353	57
3.806		1419	1067
3.83		237	49
3.848		288	189
3.863		834	491
3.894		414	207
3.9		262	38
3.923		402	98
3.929		309	131
3.943		213	28
3.952		197	28
3.958		236	36
3.966		596	346
3.986		152	65
3.999		364	182
4.012		424	126
4.046		210	63
4.056		571	357
4.079		359	258
4.101		400	178
4.113		249	64
4.144		673	496
4.153		323	50
4.159		175	42
4.167		635	234
4.186		189	54
4.195		656	279
4.221		189	39
4.226		230	37
4.231		336	52
4.242		144	16
4.274		6716	5946

RT A	Compound A	Height A	Area A
4.294		505	151
4.312		1464	1166
4.334		1203	782
4.357		373	159
4.385		1097	956
4.406		359	82
4.411		170	33
4.427		363	124
4.437		208	46
4.446		285	46
4.472		3376	3421
4.489		385	819
4.549		684	539
4.56		209	45
4.567		375	80
4.584		153	48
4.614		4219	4651
4.642		256	42
4.652		175	86
4.671		5296	6803
4.732		2709	2443
4.76		223	36
4.78		1848	1551
4.793		606	297
4.817		1780	1279
4.857		17456	17178
4.89		134	42
4.899		598	326
4.946		356	245
4.95		639	296
4.982		15306	12412
5.006		5065	3630
5.036		315	52
5.06		28335	32976
5.11		5847	5041
5.134		93	19
5.151		8571	11135
5.189		208	34
5.196		337	132
5.224		29585	28870
5.268		32380	32952
5.309		1267	659
5.33		21634	19701
5.374		11722	12623
5.411		236	58
5.423		276	67
5.437		287	153
5.444		305	58
5.45		237	55
5.495		23065	30342
5.531		248	73
5.553		12216	10772
5.592		5904	6047
5.633		23510	23228
5.677		6286	5570
5.732		66505	54481
5.754		36123	26167
5.798		255	106
5.811		105	32
5.818		102	19
5.827		251	87
5.834		346	71
5.849		230	54
5.854		426	154
5.88		288	61
5.89		198	44

RT A	Compound A	Height A	Area A
5.903		713	496
5.939		45534	45885
5.986		14498	22568
6.027		256	53
6.035		279	38
6.041		111	31
6.048		225	43
6.055		146	22
6.062		235	32
6.077		195	49
6.084		107	27
6.09		295	85
6.099		205	33
6.126		55258	53390
6.19		55442	47180
6.209		9796	6528
6.244		678	454
6.273		387	88
6.29		160	26
6.296		195	34
6.302		241	58
6.309		371	217
6.33		231	71
6.336		156	22
6.366		21582	21351
6.414		1028	1017
6.433		222	61
6.441		251	45
6.458		356	119
6.464		401	91
6.473		290	113
6.481		117	16
6.49		429	149
6.498		294	55
6.505		280	67
6.521		120	47
6.526		243	41
6.531		276	44
6.542		152	45
6.567		43475	43591
6.605		368	120
6.611		226	39
6.616		251	34
6.625		244	91
6.631		183	38
6.641		342	95
6.651		216	77
6.663		373	111
6.714	DCB	2758023	2881815
6.796		912	250
6.833		1183	633
6.852		394	118
6.876		269	198
6.93		367	143
6.942		298	62
6.954		361	58
6.971		267	211
6.977		266	70
6.988		412	80

LANCASTER LABORATORIES

Sample Number: 9481687 CAF ACA6301 T 180590045A 10225 SW-846 8082
Injected On: 3/1/2018 11:52:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

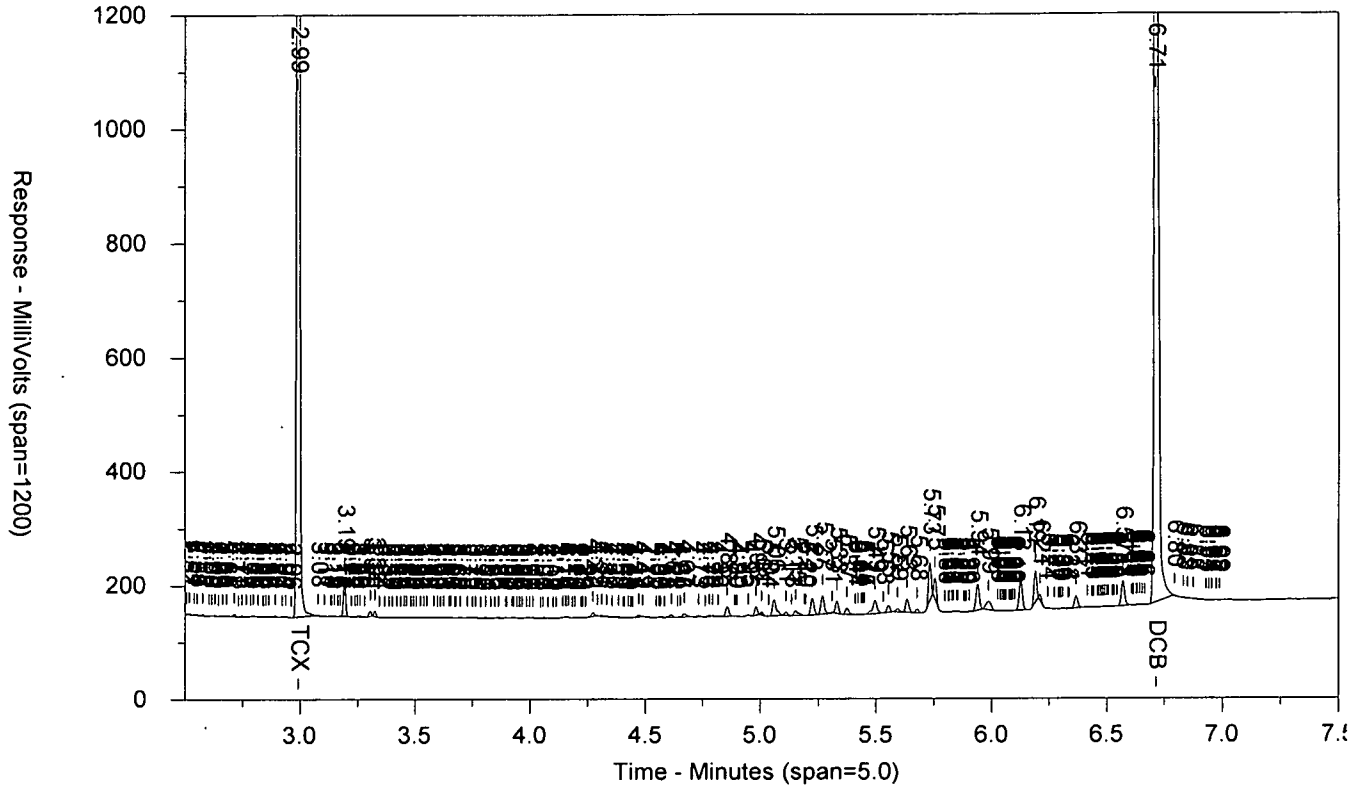
RT B	Compound B	Height B	Area B
2.012		6493	2519
2.034		2666	1861
2.082		14126	20650
2.118		5521	8659
2.2		34143	23745
2.227		4044	2632
2.27		10823	9150
2.323		4426	3660
2.361		4821	5347
2.403		3544	2263
2.428		2761	2130
2.456		5551	4796
2.49		4597	2827
2.526		3955	1952
2.554		4419	3331
2.577		5461	8121
2.662		3980	2272
2.688		3889	2765
2.713	TCX	8381424	5150561
2.885		2370	2226
2.914		1934	1185
2.935		112959	70455
3.001		2983	1974
3.027		23810	15146
3.054		21329	12971
3.083		820	173
3.087		520	81
3.102		348	135
3.118		953	302
3.141		826	258
3.155		903	158
3.161		709	116
3.173		1112	370
3.197		1068	394
3.222		1160	1012
3.242		1078	277
3.25		1205	372
3.262		798	136
3.268		1170	193
3.284		1843	1233
3.298		712	121
3.306		1031	388
3.32		658	86
3.326		930	214
3.335		1670	655
3.354		2546	1526
3.379		1773	867
3.4		632	252
3.416		528	125
3.431		3096	2981
3.471		1360	923
3.49		2513	2511
3.512		964	149
3.519		912	189

RT B	Compound B	Height B	Area B
3.531		336	176
3.535		1115	1094
3.568		589	214
3.582		1409	831
3.602		723	430
3.617		881	196
3.638		1058	421
3.648		761	110
3.664		2331	1046
3.689		609	73
3.707		1569	696
3.721		697	326
3.736		961	217
3.754		1657	1161
3.773		1292	674
3.794		3694	1835
3.818		3702	3860
3.85		3401	3088
3.895		1121	735
3.941		1335	850
3.959		2410	1753
3.987		1858	977
4.004		3842	2707
4.027		1407	932
4.05		966	326
4.073		23215	20609
4.108		3038	2019
4.145		2404	3990
4.213		4605	3797
4.25		3990	4408
4.296		5745	6041
4.368		1118	704
4.383		2716	1267
4.396		3317	1701
4.423		3677	3307
4.477		30326	25942
4.521		2465	2138
4.551		2823	1775
4.575		10395	6720
4.596		18360	11711
4.619		44259	32526
4.659		1001	555
4.696		1263	1086
4.726		25506	25549
4.781		7931	7465
4.832		37232	33673
4.859		43210	34442
4.893		32137	27443
4.933		16698	13938
4.99		2721	2472
5.036		3240	5009
5.088		35799	28620
5.115		6962	5214
5.163		23991	23017
5.2		10044	7265
5.235		31128	28948
5.282		127242	109953
5.325		1296	534
5.357		73255	64883
5.462		1523	1321
5.477		1085	616
5.498		20125	17483
5.542		68082	71377
5.597		4370	3780
5.646		1394	1018
5.698		73997	68234

RT B	Compound B	Height B	Area B
5.741		1260	931
5.766		89800	77587
5.815		35014	30219
5.871		2520	3252
5.919		32711	30571
5.991		1319	1432
6.024		1770	967
6.119		60002	54457
6.176		1098	608
6.213		1687	2293
6.279	DCB	4003894	3731754
6.488		2531	2718
6.522		3190	2650
6.553		2367	1343
6.597		2077	1539
6.648		1088	1348
6.704		1418	1737
6.763		1781	751
6.87		1057	282
6.926		1725	1209
6.959		2250	2007

9481687 CAF ACA6301 T 180590045A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs18047010.017.RAW



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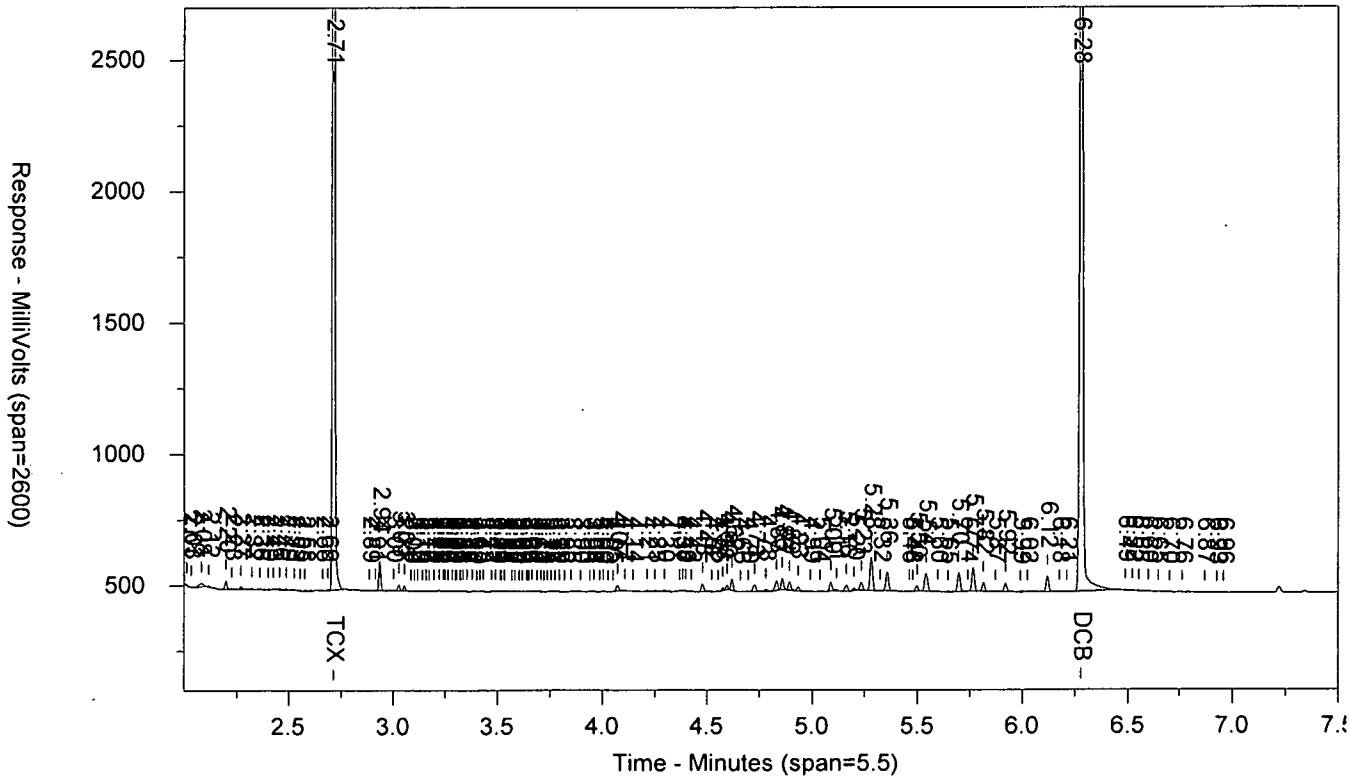

LANCASTER LABORATORIES

Sample Number: 9481687 CAF ACA6301 T 180590045A 10225 SW-846 8082
Injected On: 3/1/2018 11:52:56 PM Sample Weight: 10.34
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	4829104	30.361	TCX	2.713	8381424	30.704	TCX
6.714	2758023	28.271	DCB	6.279	4003894	26.919	DCB

Files:
Area File: 25PCBs18047010.017.RAW
Area File: 25PCBs18047010B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 12:01:28 AM
File Reported On: 3/2/2018 at 9:03:17 AM

9481687 CAF ACA6301 T 180590045A 10225 SW-846 8082

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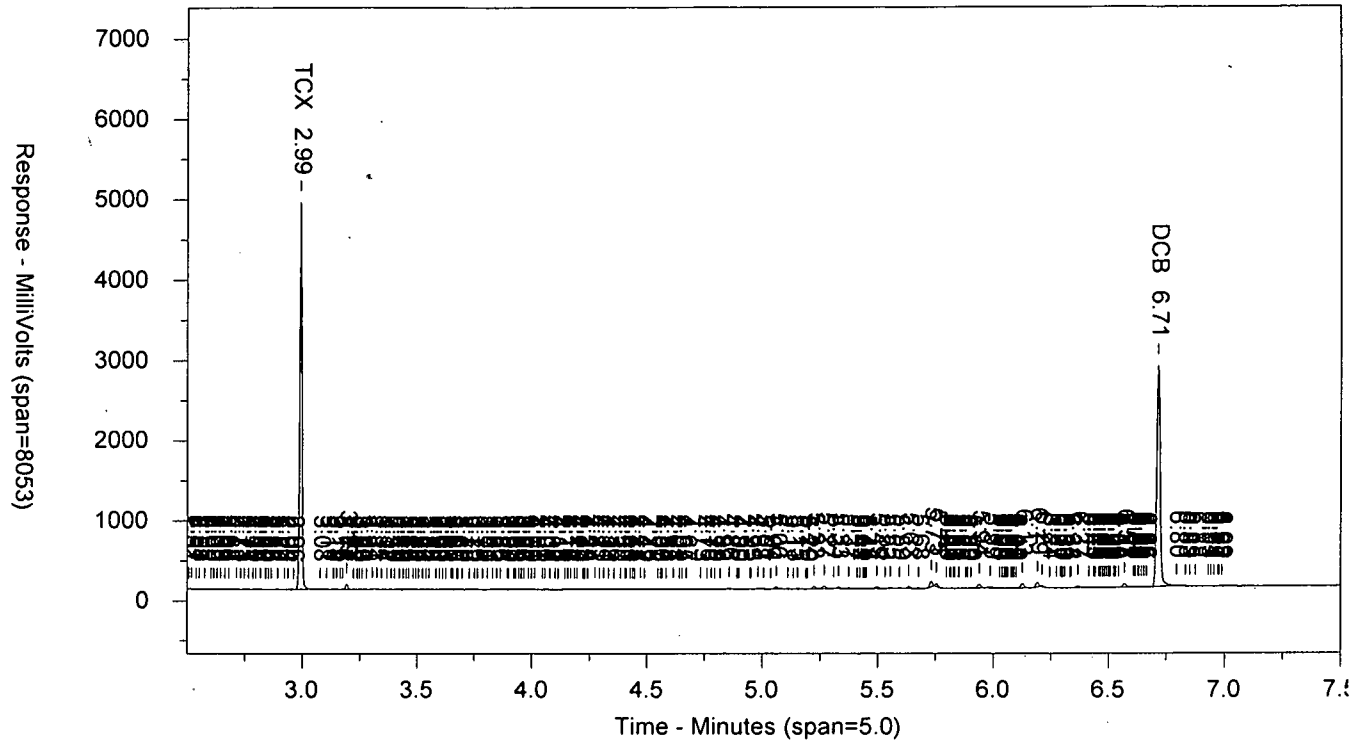

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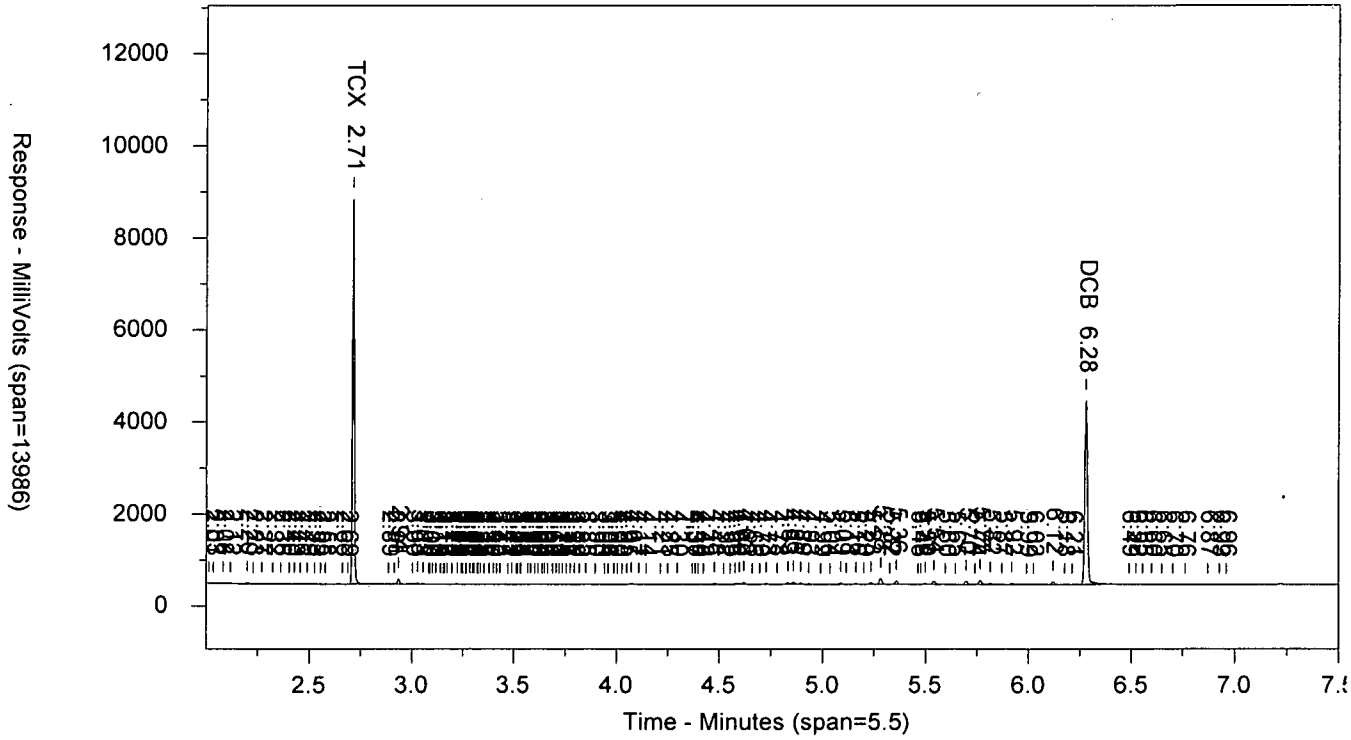

9481687 CAF ACA6301 T 180590045A 10225 SW-846 8082

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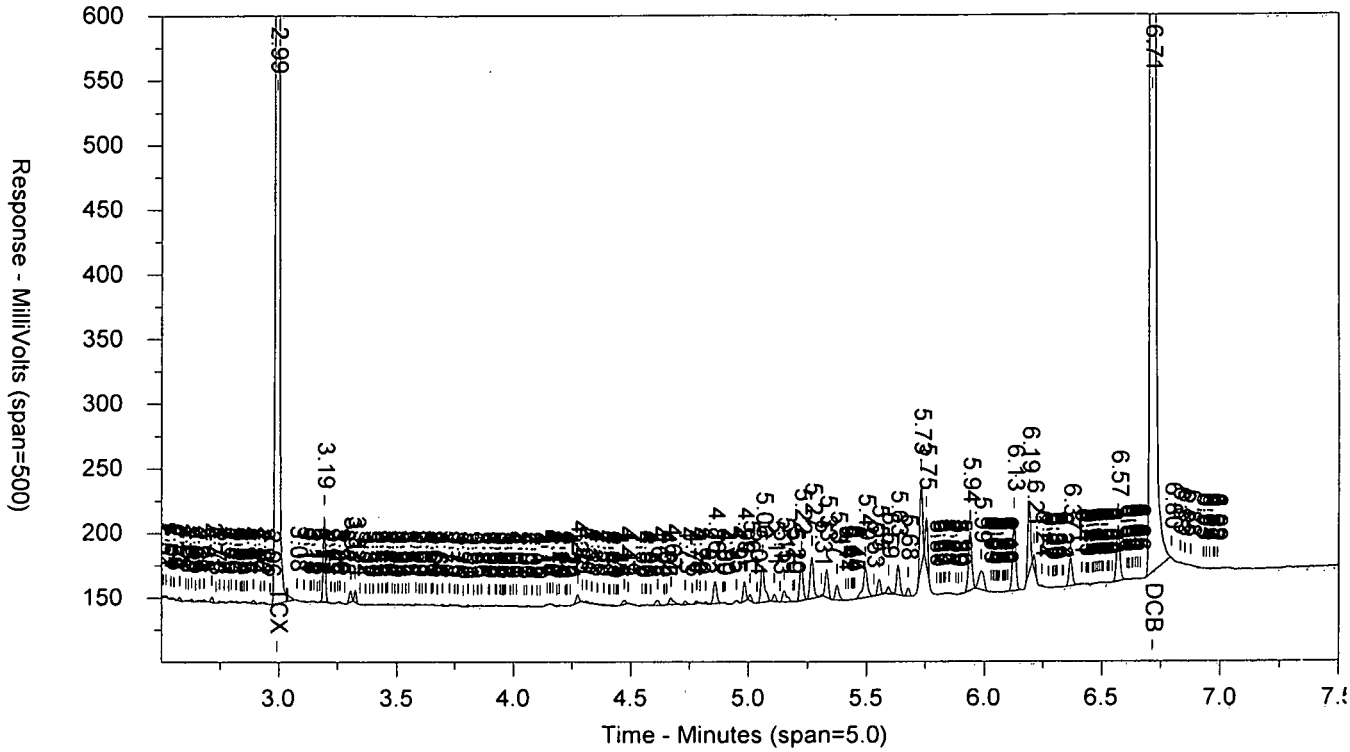

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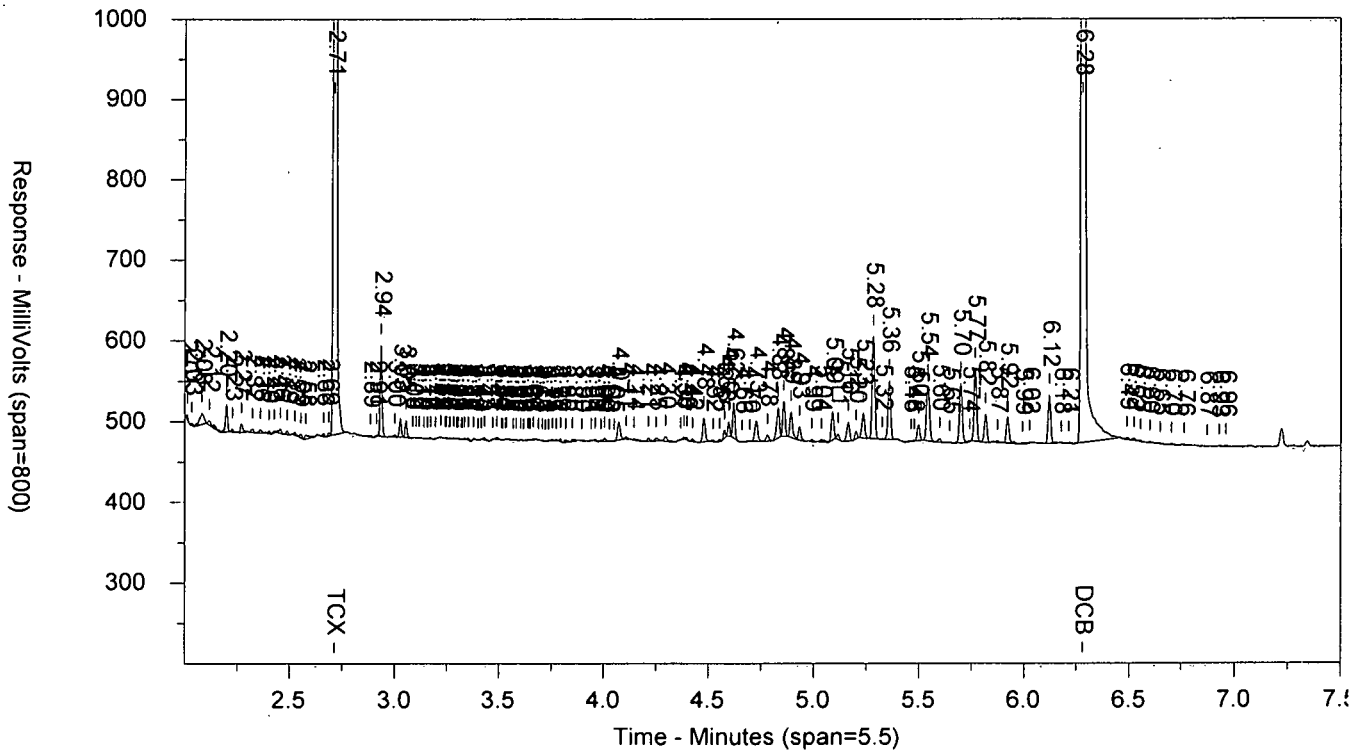

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Data Summary

Sample Name: 9481688 CAF A6302 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.31 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on Mar 02, 2018 00:04:15
Instrument 18274A
Result file 25PCBS18047010.018.RAW
Calibration file 25PCBS1804701
Method file 25PCBS

%SSR(TCX) 106% (61 - 152) Conc: 31.5252
%SSR(DCB) 112% (48 - 164) Conc: 29.56808

Analysis Report (B)

Injected on Mar 02, 2018 00:04:15
Instrument 18274B
Result file 25PCBS18047010B.018.RAW
Calibration file 25PCBS1804701B
Method file 25PCBSB

%SSR(TCX) 105% (61 - 152) Conc: 31.16336
%SSR(DCB) 102% (48 - 164) Conc: 26.83067

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.96	2.99	3.02	4999756	31.5252
Decachlorobiphenyl	6.69	6.71	6.75	2876196	29.56808

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.69	2.71	2.74	8482235	31.16336
Decachlorobiphenyl	6.25	6.28	6.31	3979185	26.83067

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	31.5252				1.15	
☑	Tetrachloro-m-xylene-D1	A	31.5252					
☑	Tetrachloro-m-xylene-D2	B	31.16336					
☐	Decachlorobiphenyl	A	29.56808				9.71	
☑	Decachlorobiphenyl-D1	A	29.56808					
☑	Decachlorobiphenyl-D2	B	26.83067					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.07**	
4.84	4.86	4.88	36086.02	7.219167			1
5.25	5.27	5.29	63067.56	10.245862			2
5.31	5.33	5.35	37595.26	11.764544			3
5.48	5.49	5.52	40916.56	11.788525			4
5.71	5.73	5.75	84526.99	9.663993			5
5.92	5.94	5.96	66645.71	12.881463			6

Height summation: **328838.1**
Concentration CF: **10.593926** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.05**	
4.60	4.62	4.64	83129.73	8.802883			1
4.71	4.73	4.75	46834.12	5.982832			2
4.84	4.86	4.88	83085.09	8.907861			3
5.07	5.09	5.11	53534.87	9.009069			4
5.27	5.28	5.31	143244.2	10.692972			5
5.53	5.54	5.57	92232.87	9.971021			6

Height summation: **502060.88**
Concentration CF: **8.89444** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49.4665	<2.9098	D1		4	
☑	PCB-1221			<49.4665	<2.9098	D1		3	
☑	PCB-1232			<49.4665	<2.9098	D1		4	
☑	PCB-1242			<49.4665	<2.9098	D1		4	
☑	PCB-1248			<49.4665	<2.9098	D1		4	
☑	PCB-1254			<49.4665	<2.9098	D1		4	
☑	PCB-1260	A	10.593926	<49.4665	2.9098	JD1	17.44	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

MAR 0 2 2018

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:17

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481688 CAF A6302 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.31 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:04:15
Instrument : CP25--18274A
Result file : 25PCBS18047010.018.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 106% (61-152) Conc.: 31.5252
%SSR(DCB) : 112% (48-164) Conc.: 29.56808

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	35.35	
+ 3.23	3.23	3.27	268.8866	0.101508			1
+ 3.23	3.24	3.27	205.0271	0.0774			1
+ 3.23	3.25	3.27	309.2945	0.116763			1
3.23	3.26	3.27	1037.483	0.391664			1
+ 3.45	3.45	3.49	174.545	0.062767			2
3.45	3.47	3.49	607.2301	0.218361			2
+ 3.45	3.48	3.49	165.8213	0.05963			2
3.56	3.58	3.60	1079.33	0.326976			3
+ 3.56	3.60	3.60	621.8629	0.188389			3
3.78	3.81	3.82	1349.04	0.378701			4
+ 3.78	3.82	3.82	188.0366	0.052785			4
+ 3.85	3.85	3.89	109.5961	0.03608			5
3.85	3.86	3.89	487.7112	0.160558			5
+ 4.04	4.06	4.08	277.7647	0.114393			6
4.04	4.06	4.08	486.9281	0.200533			6
Height Summation:			5047.7224				
Amount Avg CF:			0.279465	Linear:			
Aroclor-1221					3	170.72	
3.13	3.13	3.17	380.231	0.262159			1
+ 3.13	3.14	3.17	207.6347	0.143159			1
3.18	3.19	3.22	66446.18	54.644756			2
+ 3.18	3.22	3.22	170.213	0.139982			2
+ 3.23	3.23	3.27	268.8866	0.068623			3
+ 3.23	3.24	3.27	205.0271	0.052326			3
+ 3.23	3.25	3.27	309.2945	0.078936			3
3.23	3.26	3.27	1037.483	0.264779			3
Height Summation:			67863.894				
Amount Avg CF:			18.390565	Linear:			
Aroclor-1232					6	35.81	
+ 3.23	3.24	3.27	205.0271	0.067674			1
+ 3.23	3.25	3.27	309.2945	0.10209			1
3.23	3.26	3.27	1037.483	0.342447			1
+ 3.45	3.45	3.49	174.545	0.135467			2
3.45	3.47	3.49	607.2301	0.471281			2
+ 3.45	3.48	3.49	165.8213	0.128697			2
3.57	3.58	3.61	1079.33	0.71278			3
+ 3.57	3.60	3.61	621.8629	0.410673			3
3.79	3.81	3.83	1349.04	0.797069			4
+ 3.79	3.82	3.83	188.0366	0.1111			4
3.85	3.86	3.89	487.7112	0.362852			5
+ 3.85	3.89	3.89	227.4093	0.16919			5
+ 4.04	4.06	4.08	277.7647	0.278755			6
+ 4.04	4.06	4.08	486.9281	0.488665			6
4.04	4.08	4.08	754.135	0.756824			6
Height Summation:			5314.9293				
Amount Avg CF:			0.573876	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:04:15
Instrument : CP25--18274B
Result file : 25PCBS18047010B.018.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 105% (61-152) Conc.: 31.16336
%SSR(DCB) : 102% (48-164) Conc.: 26.83067

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	82.37	
2.98	3.00	3.02	3232.019	0.706387			1
+ 3.32	3.33	3.36	6442.086	1.22529			2
3.32	3.35	3.36	13577.01	2.582358			2
+ 3.51	3.51	3.55	896.9572	0.170588			3
+ 3.51	3.53	3.55	1054.122	0.200478			3
3.51	3.54	3.55	1536.596	0.292238			3
+ 3.59	3.59	3.63	1110.967	0.201866			4
+ 3.59	3.60	3.63	599.809	0.108987			4
+ 3.59	3.61	3.63	1023.93	0.186051			4
3.59	3.62	3.63	2008.474	0.364946			4
+ 3.65	3.65	3.69	963.7214	0.233011			5
3.65	3.66	3.69	6465.768	1.563308			5
3.75	3.77	3.79	3859.596	0.850978			6
Height Summation:			30679.463				
Amount Avg CF:			1.060036	Linear:			
Aroclor-1221					3	160.71	
2.87	2.88	2.91	9342.02	3.329925			1
2.93	2.94	2.97	115318	74.855684			2
2.98	3.00	3.02	3232.019	0.482051			3
Height Summation:			127892.039				
Amount Avg CF:			26.222553	Linear:			
Aroclor-1232					6	83.85	
2.98	3.00	3.02	3232.019	0.607622			1
+ 3.32	3.33	3.36	6442.086	2.640677			2
3.32	3.35	3.36	13577.01	5.565355			2
+ 3.52	3.53	3.56	1054.122	0.418294			3
3.52	3.54	3.56	1536.596	0.609748			3
+ 3.59	3.59	3.63	1110.967	0.456359			4
+ 3.59	3.60	3.63	599.809	0.246387			4
+ 3.59	3.61	3.63	1023.93	0.420606			4
3.59	3.62	3.63	2008.474	0.825034			4
3.65	3.66	3.69	6465.768	4.059248			5
+ 3.76	3.77	3.80	3859.596	2.107436			6
3.76	3.80	3.80	7293.178	3.982258			6
Height Summation:			34113.045				
Amount Avg CF:			2.608211	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481688 CAF A6302 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.31 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:04:15
Instrument : CP25--18274A
Result file : 25PCBS18047010.018.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	29.00	
+ 3.23	3.23	3.27	268.8866	0.124318			1
+ 3.23	3.24	3.27	205.0271	0.094793			1
+ 3.23	3.25	3.27	309.2945	0.143			1
3.23	3.26	3.27	1037.483	0.479674			1
+ 3.45	3.45	3.49	174.545	0.079484			2
3.45	3.47	3.49	607.2301	0.276519			2
+ 3.45	3.48	3.49	165.8213	0.075511			2
3.57	3.58	3.61	1079.33	0.408083			3
+ 3.57	3.60	3.61	621.8629	0.23512			3
3.79	3.81	3.83	1349.04	0.460005			4
+ 3.79	3.82	3.83	188.0366	0.064118			4
3.85	3.86	3.89	487.7112	0.20609			5
+ 3.85	3.89	3.89	227.4093	0.096095			5
+ 4.04	4.06	4.08	277.7647	0.148425			6
+ 4.04	4.06	4.08	486.9281	0.260193			6
4.04	4.08	4.08	754.135	0.402977			6
Height Summation:			**5314.9293**				
Amount Avg CF:			**0.372225**	Linear:			
Aroclor-1248					6	55.41	
3.79	3.81	3.83	1349.04	0.780731			1
+ 3.79	3.82	3.83	188.0366	0.108823			1
+ 3.85	3.85	3.89	109.5961	0.064732			2
3.85	3.86	3.89	487.7112	0.288063			2
3.92	3.93	3.96	895.1956	0.28607			3
+ 3.92	3.94	3.96	415.4406	0.132759			3
+ 4.04	4.06	4.08	277.7647	0.081591			4
4.04	4.06	4.08	486.9281	0.143031			4
+ 4.13	4.14	4.17	754.5322	0.272726			5
+ 4.13	4.15	4.17	229.8975	0.083096			5
4.13	4.17	4.17	1591.474	0.575238			5
4.32	4.34	4.36	1956.951	0.672237			6
+ 4.32	4.35	4.36	259.4113	0.089111			6
Height Summation:			**6767.2999**				
Amount Avg CF:			**0.457562**	Linear:			
Aroclor-1254					6	102.48	
4.45	4.47	4.49	6932.327	1.27985			1
+ 4.45	4.49	4.49	444.83	0.082125			1
+ 4.65	4.65	4.69	304.1998	0.085724			2
4.65	4.67	4.69	4894.747	1.379345			2
+ 4.65	4.68	4.69	1310.918	0.369418			2
4.71	4.73	4.75	11937	1.734939			3
4.84	4.86	4.88	36086.02	16.583022			4
5.13	5.15	5.17	17964.82	5.258063			5
5.25	5.27	5.29	63067.56	14.255859			6
+ 5.25	5.29	5.29	1353.55	0.305958			6
Height Summation:			**140882.474**				
Amount Avg CF:			**6.748513**	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:04:15
Instrument : CP25--18274B
Result file : 25PCBS18047010B.018.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	82.87	
2.98	3.00	3.02	3232.019	0.859985			1
+ 3.32	3.33	3.36	6442.086	1.542175			2
3.32	3.35	3.36	13577.01	3.25021			2
+ 3.51	3.51	3.55	896.9572	0.20814			3
+ 3.51	3.53	3.55	1054.122	0.24461			3
3.51	3.54	3.55	1536.596	0.356568			3
+ 3.59	3.59	3.63	1110.967	0.255847			4
+ 3.59	3.60	3.63	599.809	0.138132			4
+ 3.59	3.61	3.63	1023.93	0.235803			4
3.59	3.62	3.63	2008.474	0.462536			4
3.65	3.66	3.69	6465.768	2.012172			5
3.76	3.77	3.80	3859.596	1.079007			6
Height Summation:			**30679.463**				
Amount Avg CF:			**1.336747**	Linear:			
Aroclor-1248					6	42.25	
+ 3.51	3.51	3.55	896.9572	0.377808			1
+ 3.51	3.53	3.55	1054.122	0.444007			1
3.51	3.54	3.55	1536.596	0.64723			1
+ 3.59	3.59	3.63	1110.967	0.350626			2
+ 3.59	3.60	3.63	599.809	0.189302			2
+ 3.59	3.61	3.63	1023.93	0.323156			2
* 3.59	3.62	3.63	2008.474	0.633883			2
+* 3.62	3.62	3.66	2008.474	0.381295			3
+ 3.62	3.65	3.66	963.7214	0.182956			3
3.62	3.66	3.66	6465.768	1.227482			3
3.75	3.77	3.79	3859.596	0.612349			4
3.85	3.87	3.89	2766.769	0.653425			5
3.99	4.00	4.03	11776.25	1.443063			6
Height Summation:			**28413.453**				
Amount Avg CF:			**0.869572**	Linear:			
Aroclor-1254					6	68.49	
4.37	4.38	4.41	11855.01	1.067336			1
4.46	4.48	4.50	62020.47	12.386044			2
4.60	4.62	4.64	83129.73	19.796383			3
4.71	4.73	4.75	46834.12	11.987754			4
4.76	4.78	4.80	16896.63	3.360639			5
4.84	4.86	4.88	83085.09	10.836072			6
Height Summation:			**303821.05**				
Amount Avg CF:			**9.905704**	Linear:			
Aroclor-1260					6	18.05	
4.60	4.62	4.64	83129.73	8.802883			1
4.71	4.73	4.75	46834.12	5.982832			2
4.84	4.86	4.88	83085.09	8.907861			3
5.07	5.09	5.11	53534.87	9.009069			4
5.27	5.28	5.31	143244.2	10.692972			5
5.53	5.54	5.57	92232.87	9.971021			6
Height Summation:			**502060.88**				
Amount Avg CF:			**8.89444**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481688 CAF A6302 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.31 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:04:15
Instrument : CP25--18274A
Result file : 25PCBS18047010.018.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	19.07	
4.84	4.86	4.88	36086.02	7.219167			1
5.25	5.27	5.29	63067.56	10.245862			2
5.31	5.33	5.35	37595.26	11.764544			3
5.48	5.49	5.52	40916.56	11.788525			4
5.71	5.73	5.75	84526.99	9.663993			5
5.92	5.94	5.96	66645.71	12.881463			6
Height Summation:			**328838.1**				
Amount Avg CF:			**10.593925**	Linear:			
Aroclor-1262					6	45.68	
5.32	5.33	5.36	37595.26	6.700485			1
5.48	5.49	5.52	40916.56	8.222025			2
5.72	5.73	5.76	84526.99	7.818191			3
+ 5.72	5.75	5.76	31732.42	2.93504			3
5.92	5.94	5.96	66645.71	10.113926			4
5.98	5.98	6.02	3076.787	0.914052			5
+ 5.98	5.99	6.02	2847.387	0.845902			5
6.35	6.37	6.39	29786.59	7.335279			6
Height Summation:			**262547.897**				
Amount Avg CF:			**6.85066**	Linear:			
Aroclor-1268					6	125.51	
5.92	5.94	5.96	66645.71	4.731608			1
5.98	5.98	6.02	3076.787	0.257598			2
+ 5.98	5.99	6.02	2847.387	0.238392			2
6.11	6.12	6.15	52939.22	4.500372			3
6.17	6.19	6.21	68775.42	22.741228			4
6.35	6.37	6.39	29786.59	6.065766			5
6.55	6.57	6.59	43166.38	1.086708			6
Height Summation:			**264390.107**				
Amount Avg CF:			**6.56388**	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:04:15
Instrument : CP25--18274B
Result file : 25PCBS18047010B.018.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					6	22.84	
4.88	4.89	4.92	47905.41	5.562463			1
5.08	5.09	5.12	53534.87	6.229281			2
+ 5.08	5.11	5.12	22862.46	2.66026			2
5.27	5.28	5.31	143244.2	8.164434			3
5.49	5.50	5.53	31292.56	4.72534			4
5.53	5.54	5.57	92232.87	8.012151			5
5.91	5.92	5.95	32963.53	5.288967			6
Height Summation:			**401173.44**				
Amount Avg CF:			**6.330439**	Linear:			
Aroclor-1268					6	118.10	
5.48	5.50	5.52	31292.56	1.519362			1
5.53	5.54	5.57	92232.87	4.331648			2
5.68	5.70	5.72	73633.5	4.313873			3
5.75	5.77	5.79	86503.86	19.864328			4
5.90	5.92	5.94	32963.53	4.530614			5
6.10	6.12	6.14	61482.35	1.003924			6
Height Summation:			**378108.67**				
Amount Avg CF:			**5.927292**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.4665	2.9098		** 116.55	4	40	
Aroclor-1221			49.4665	2.9098		35.11	3	5	
Aroclor-1232			49.4665	2.9098		** 127.86	4	10	
Aroclor-1242			49.4665	2.9098		** 112.88	4	30	
Aroclor-1248			49.4665	2.9098		** 62.09	4	40	
Aroclor-1254			49.4665	2.9098		37.91	4	40	
Aroclor-1260			49.4665	2.9098		17.44	4	40	
Aroclor-1262			49.4665	2.9098		7.89	4	40	
Aroclor-1268			49.4665	2.9098		10.19	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9481688 CAF ACA6302 T 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:04:15 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.003		181	23
2.009		199	51
2.036		2147	1378
2.051		3937	2560
2.067		2097	1374
2.092		3923	4506
2.146		2868	2712
2.192		174003	120231
2.222		465	151
2.233		456	248
2.261		4326	2661
2.283		5516	5439
2.33		314	73
2.343		281	123
2.375		3226	2092
2.392		2004	1269
2.433		203	191
2.452		34728	22000
2.486		468	131
2.491		310	52
2.516		204	33
2.524		530	185
2.538		250	68
2.553		1842	1162
2.577		1723	936
2.602		201	39
2.615		92	61
2.63		1487	1006
2.666		167	25
2.677		190	27
2.697		568	515
2.714		11086	7399
2.748		2249	1090
2.763		3072	1558
2.797		13936	9551
2.82		313	95
2.828		289	137
2.845		283	68
2.854		345	104
2.872		452	168
2.892		1099	790
2.92		340	168
2.938		2641	1776
2.963		182	48
2.992	TCX	4999756	3196620
3.041		995	599
3.071		171	34
3.077		392	161
3.103		5482	3552
3.12		292	71
3.135		380	124
3.144		208	143
3.176		1289	568
3.192		66446	42309

RT A	Compound A	Height A	Area A
3.219		170	34
3.226		86	13
3.232		269	45
3.239		205	29
3.25		309	198
3.261		1037	600
3.3		53085	45043
3.324		8538	4626
3.347		216	88
3.365		844	400
3.386		1650	1059
3.41		2112	1863
3.438		299	133
3.455		175	70
3.465		607	355
3.483		166	53
3.497		308	154
3.516		201	32
3.52		142	25
3.537		580	207
3.556		3058	2238
3.582		1079	493
3.599		622	315
3.61		164	32
3.617		312	64
3.623		475	217
3.659		5217	3534
3.675		516	122
3.696		694	492
3.728		4466	3451
3.749		195	36
3.764		819	406
3.78		2184	1414
3.806		1349	901
3.823		188	42
3.83		242	56
3.847		110	130
3.864		488	417
3.887		227	58
3.909		185	82
3.927		895	677
3.939		415	130
3.956		238	39
3.966		1080	768
3.989		195	24
4		634	352
4.026		169	51
4.06		278	79
4.063		487	174
4.083		754	358
4.095		283	42
4.102		287	51
4.145		755	626
4.154		230	43
4.166		1591	1016
4.198		435	272
4.213		193	37
4.223		155	20
4.228		267	126
4.244		182	43
4.275		6750	6668
4.294		235	17
4.313		3513	2507
4.335		1957	1095
4.353		259	73
4.358		997	605

RT A	Compound A	Height A	Area A
4.383		1088	871
4.407		342	87
4.417		283	76
4.43		1014	686
4.444		267	61
4.472		6932	6391
4.49		445	145
4.508		2318	2103
4.548		932	668
4.571		577	206
4.584		228	33
4.612		5755	6623
4.652		304	153
4.67		4895	3659
4.685		1311	502
4.699		584	246
4.731		11937	10736
4.761		77	14
4.778		3421	2452
4.794		2111	1065
4.815		2680	1850
4.856		36086	33658
4.884		169	30
4.899		899	793
4.922		948	511
4.949		8928	8299
4.982		12088	9721
5.006		6131	4625
5.029		161	41
5.058		54730	63371
5.109		11452	10066
5.151		17965	21981
5.194		1063	593
5.224		27326	28673
5.266		63068	59026
5.289		1354	512
5.308		1110	514
5.33		37595	34054
5.373		21801	20089
5.396		476	479
5.425		168	32
5.44		306	101
5.45		257	87
5.494		40917	61823
5.552		20497	17918
5.592		10526	11072
5.633		21256	21581
5.676		11473	10028
5.707		239	157
5.732		84527	68648
5.754		31732	21108
5.804		255	38
5.816		337	118
5.836		168	92
5.844		199	76
5.851		415	142
5.866		150	36
5.875		941	565
5.895		316	82
5.938		66646	65136
5.982		3077	3960
5.989		2847	3395
6.031		384	170
6.041		316	69
6.059		298	123
6.071		356	82

RT A	Compound A	Height A	Area A
6.095		826	624
6.125		52939	50893
6.16		188	69
6.19		68775	110808
6.239		415	336
6.26		259	36
6.269		213	68
6.285		1395	993
6.303		228	34
6.332		580	329
6.366		29787	28079
6.411		1627	1453
6.431		1072	742
6.445		471	75
6.459		275	166
6.475		411	269
6.489		321	124
6.516		450	156
6.541		232	57
6.567		43166	42126
6.609		393	166
6.614		270	75
6.622		430	133
6.636		300	48
6.643		250	76
6.653		300	52
6.676		201	58
6.713	DCB	2876197	2894664
6.827		512	226
6.846		1156	605
6.876		1971	2032
6.904		573	198
6.913		140	17
6.92		237	61
6.937		1651	1389
6.956		164	41
6.96		153	20
6.968		486	209
6.977		561	94

LANCASTER LABORATORIES

Sample Number: 9481688 CAF ACA6302 T 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:04:15 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.011		4982	2429
2.041		3747	2352
2.074		10961	15105
2.14		3857	4909
2.2		68172	51838
2.268		6721	6191
2.291		1925	1657
2.319		3268	3939
2.369		3201	3132
2.417		4388	3589
2.458		21474	18132
2.483		7740	5363
2.526		23302	13810
2.548		4037	5091
2.59		8746	9503
2.661		4203	3181
2.685		5308	3153
2.713	TCX	8482235	5182278
2.777		13083	6782
2.834		4485	2612
2.884		9342	6300
2.915		3636	2094
2.935		115318	70387
2.98		2113	1392
3.002		3232	1376
3.026		124584	79062
3.054		21241	12562
3.091		1265	507
3.104		2088	1031
3.118		723	139
3.126		1981	1146
3.154		1217	424
3.173		1108	427
3.196		4737	2669
3.214		1014	276
3.224		1187	573
3.238		793	252
3.263		464	124
3.272		1426	832
3.287		3480	1845
3.305		1178	498
3.313		814	165
3.326		6442	4118
3.353		13577	9605
3.381		3464	3477
3.388		727	119
3.399		929	356
3.416		492	182
3.43		8896	5861
3.445		1652	567
3.473		2760	2463
3.491		576	119
3.515		897	234
3.525		1054	349

RT B	Compound B	Height B	Area B
3.544		1537	988
3.563		6183	4115
3.593		1111	287
3.601		600	114
3.61		1024	466
3.625		2008	1135
3.648		964	424
3.664		6466	4119
3.69		1033	2120
3.695		905	731
3.718		1434	1482
3.745		3834	2069
3.769		3860	3535
3.795		7293	4274
3.822		4457	6049
3.87		2767	5546
3.938		2943	2236
3.957		4172	4635
4.003		11776	9784
4.03		5235	4527
4.072		18215	20500
4.108		9891	6192
4.141		6015	7987
4.22		8382	7618
4.248		2712	1348
4.259		2018	908
4.294		5263	4114
4.318		5816	4236
4.366		2998	3315
4.382		11855	6867
4.421		9393	7784
4.478		62020	53956
4.518		2691	2364
4.551		14232	10501
4.575		11793	7393
4.596		13399	8272
4.619		83130	65041
4.661		1034	586
4.726		46834	47355
4.781		16897	15340
4.832		33173	35955
4.86		83085	68582
4.892		47905	38953
4.933		29967	25571
4.97		2742	1821
4.991		1855	1466
5.036		2798	1893
5.053		1285	762
5.088		53535	44131
5.113		22862	16544
5.163		36090	33085
5.199		15478	12353
5.232		29159	32960
5.26		2157	932
5.282		143244	119247
5.327		2441	1637
5.356		69133	58349
5.446		1824	1095
5.473		1290	523
5.497		31293	25608
5.541		92233	93087
5.597		4152	2525
5.64		3425	4127
5.697		73634	65233
5.744		1537	1111
5.765		86504	72887

RT B	Compound B	Height B	Area B
5.814		38413	32244
5.871		2894	2787
5.902		14166	8676
5.919		32964	23071
5.988		2048	1739
6.046		4450	4981
6.118		61482	54251
6.175		1042	678
6.214		2507	1178
6.278	DCB	3979185	3699753
6.496		2790	5290
6.519		2927	2626
6.548		12632	15799
6.595		11299	14317
6.682		1233	447
6.703		4878	5010
6.748		996	977
6.824		1125	1058
6.883		1453	939
6.93		1178	1002
6.975		3609	3215

9481688 CAF ACA6302 T 180590045A 10225 SW-846 8082

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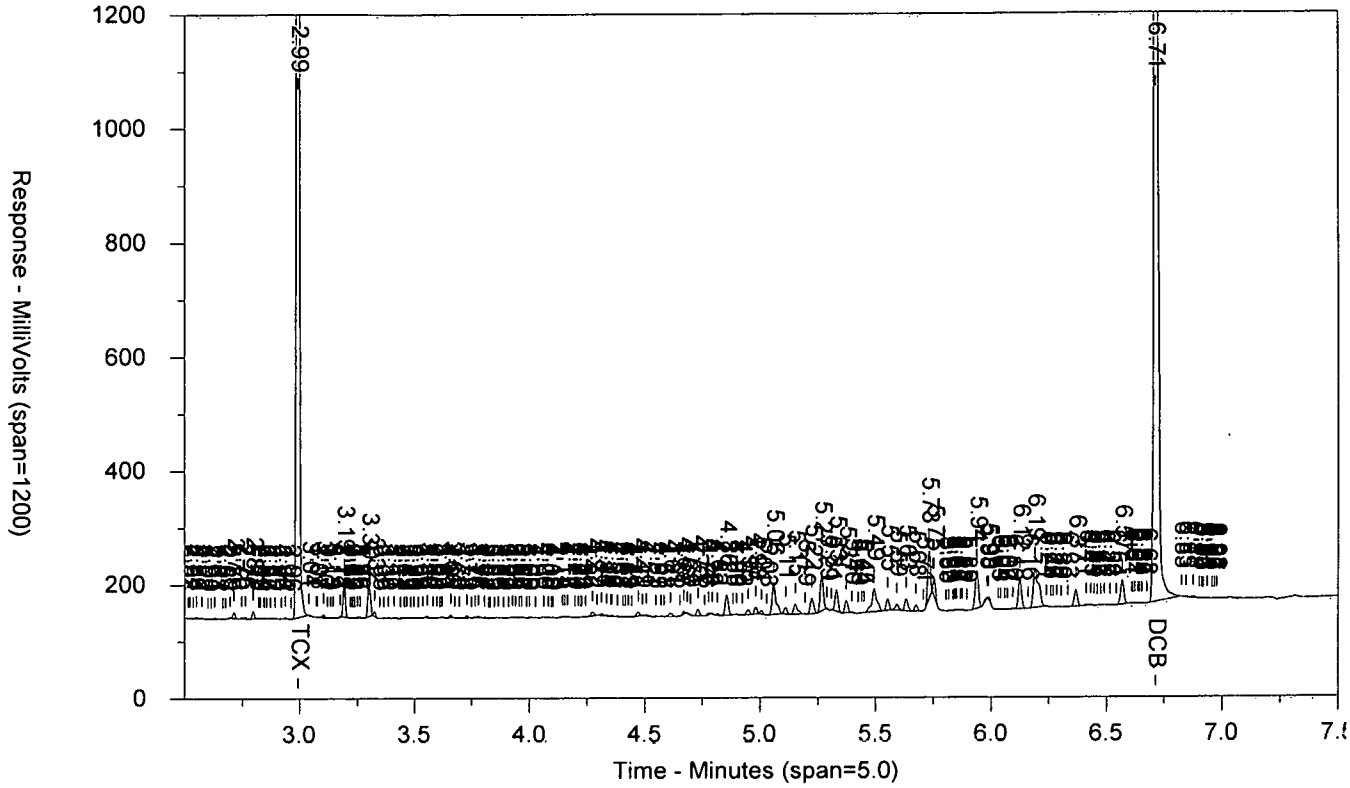

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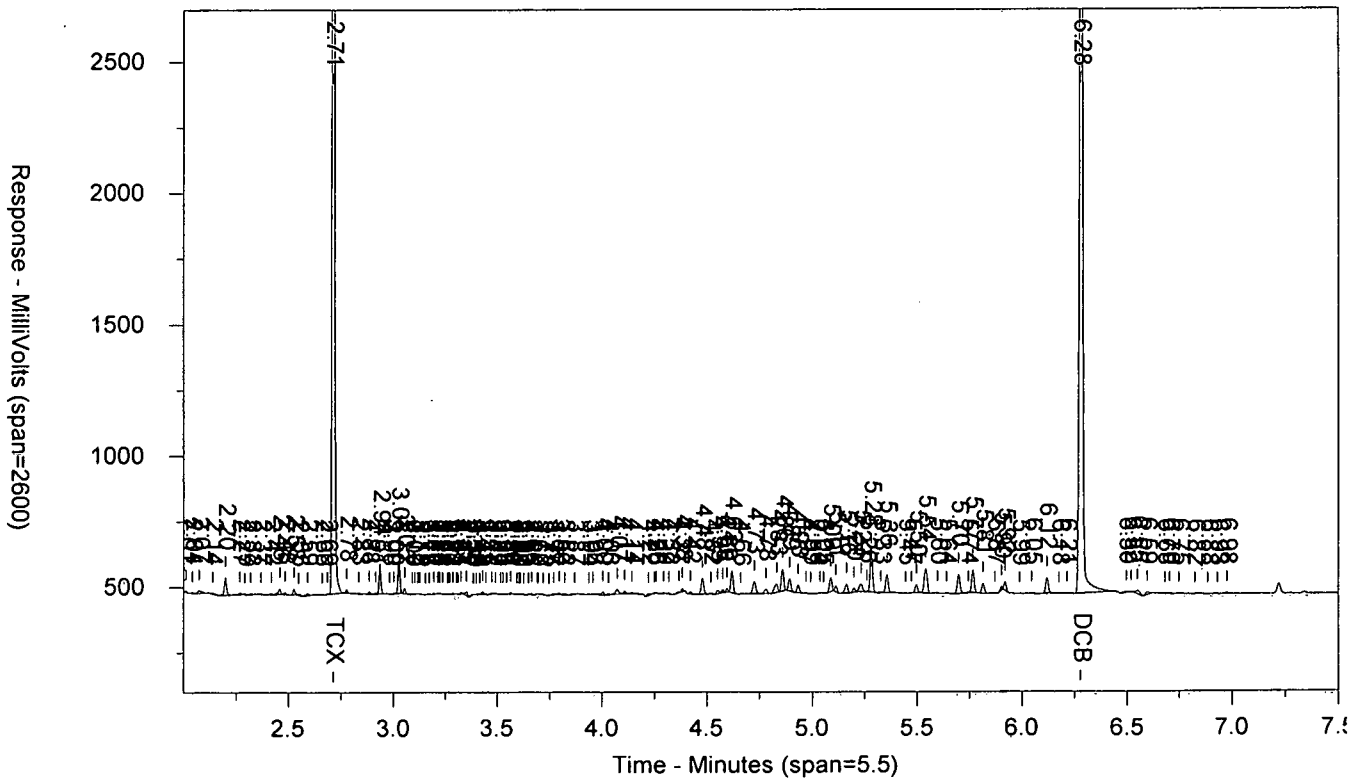

LANCASTER LABORATORIES

Sample Number: 9481688 CAF ACA6302 T 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:04:15 AM Sample Weight: 10.31
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	4999756	31.525	TCX	2.713	8482235	31.163	TCX
6.713	2876197	29.568	DCB	6.278	3979185	26.831	DCB

Files:
Area File: 25PCBs18047010.018.RAW
Area File: 25PCBs18047010B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 12:12:46 AM
File Reported On: 3/2/2018 at 9:03:37 AM

9481688 CAF ACA6302 T 180590045A 10225 SW-846 8082

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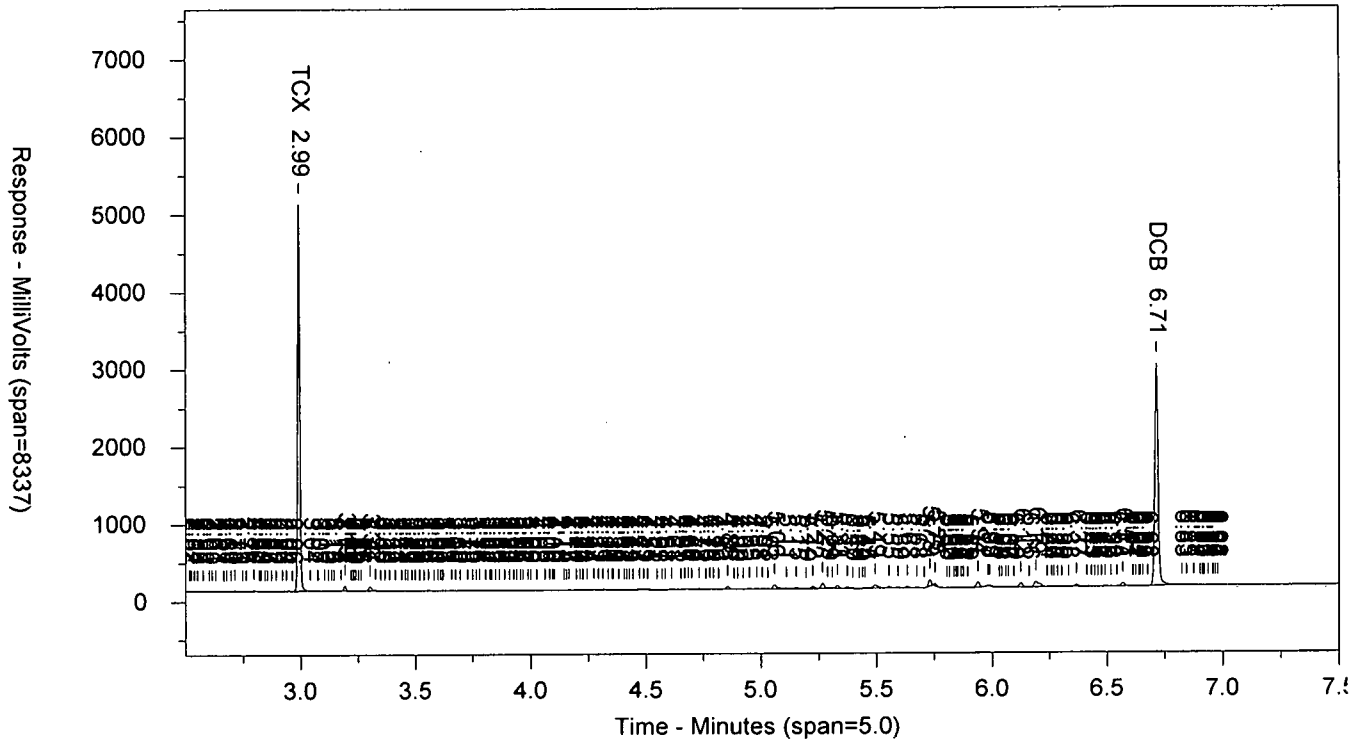

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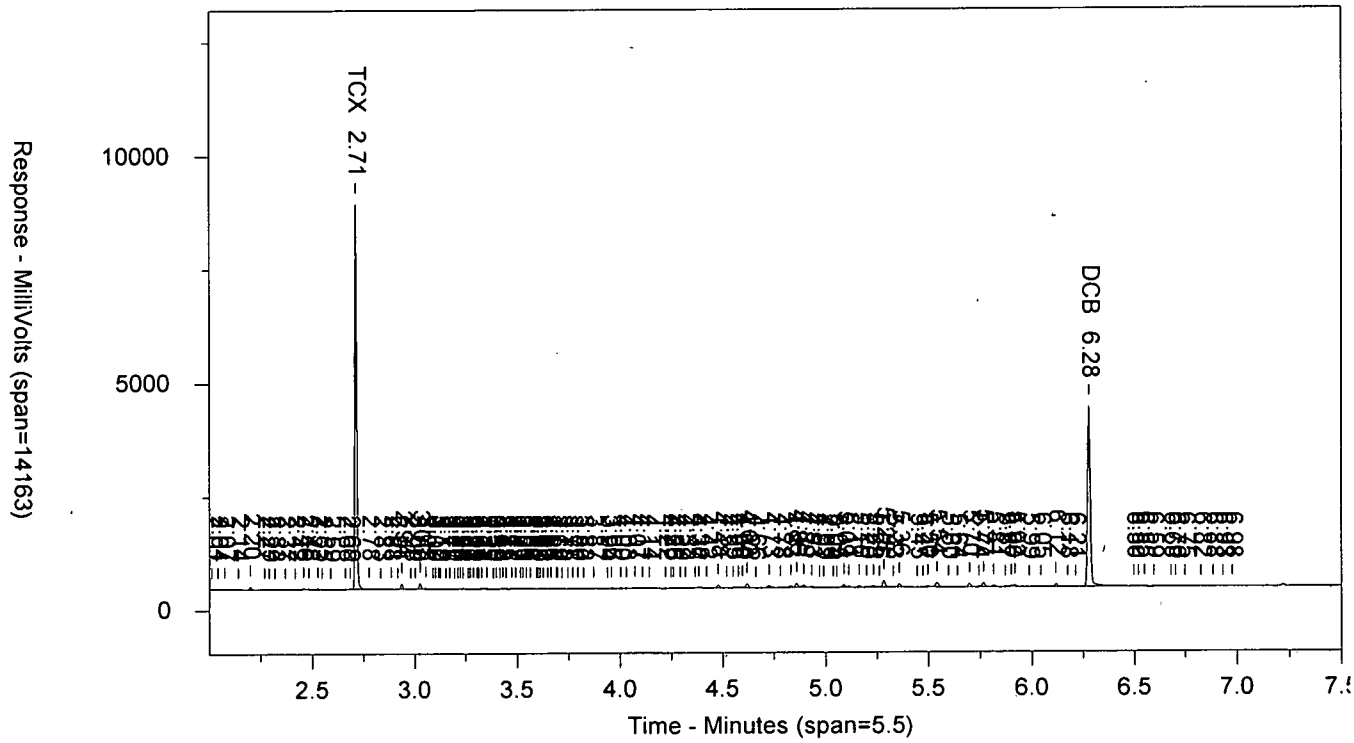

9481688 CAF ACA6302 T 180590045A 10225 SW-846 8082

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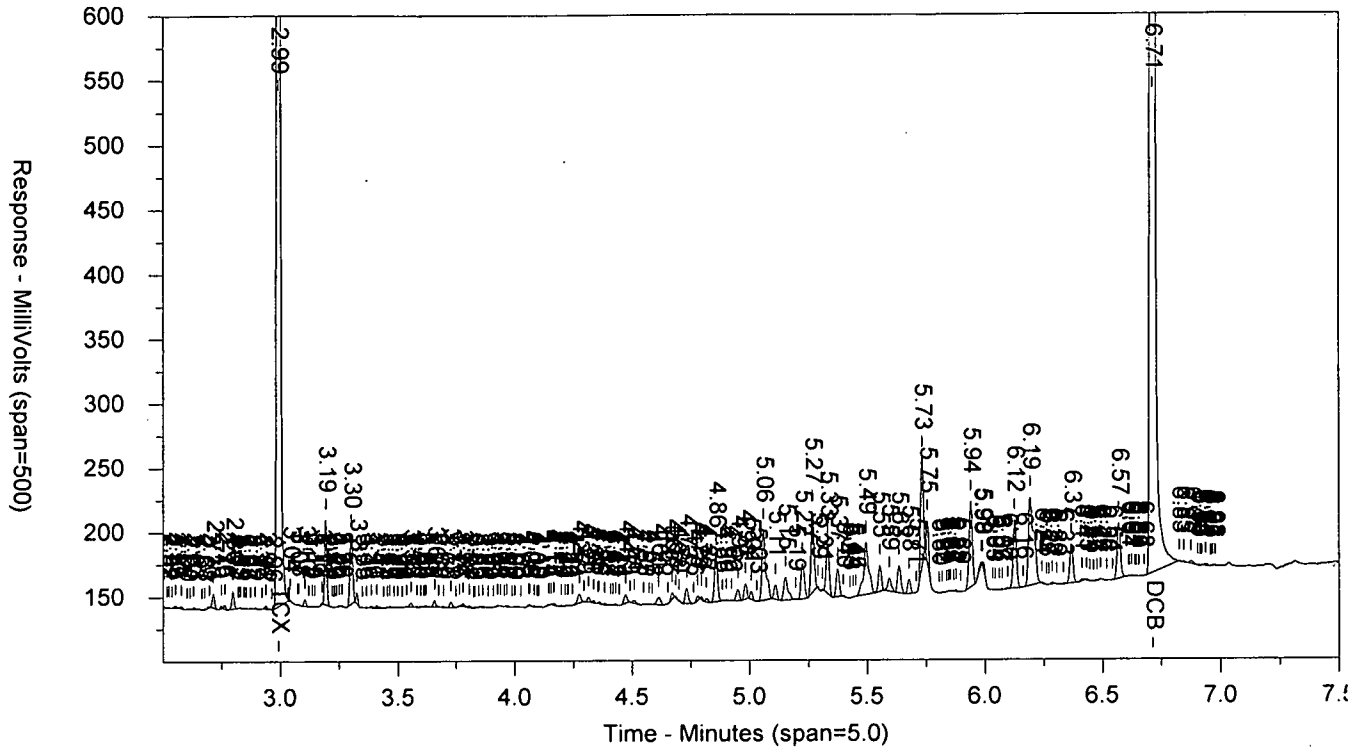

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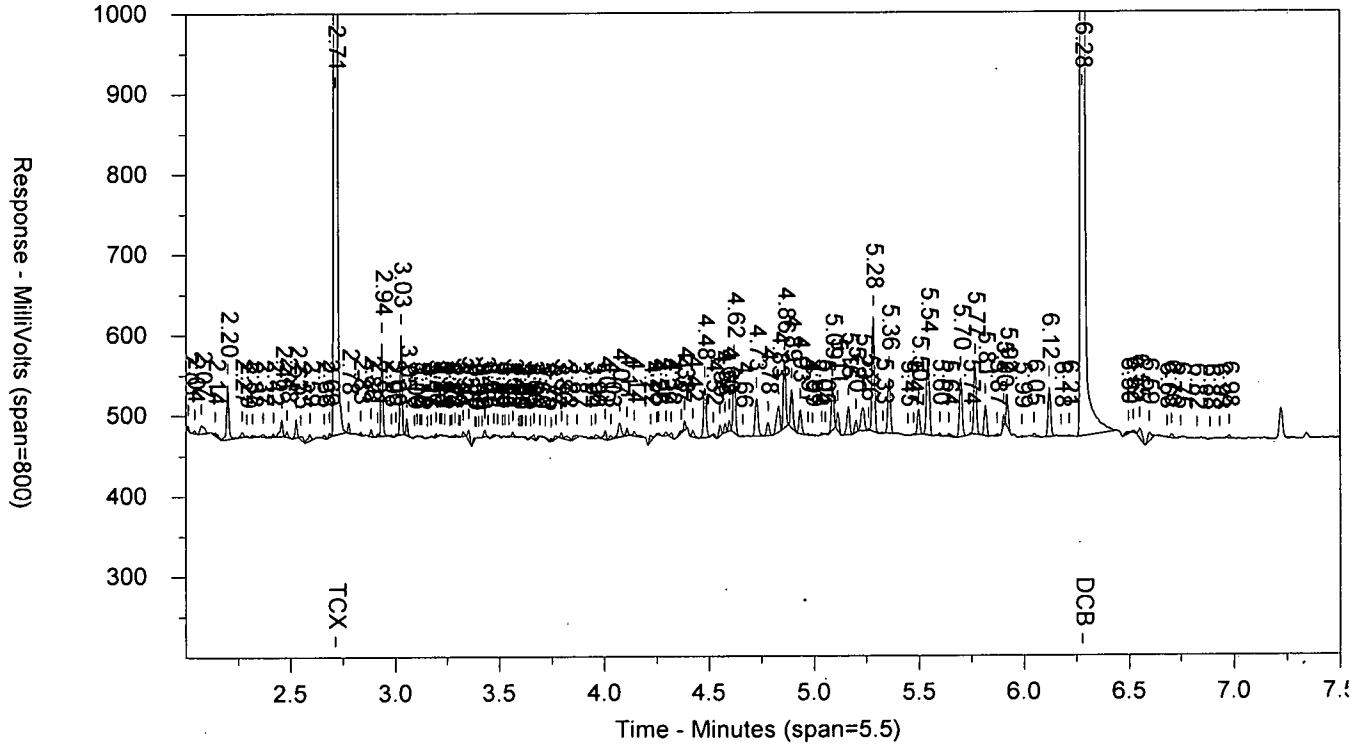

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Data Summary

Sample Name: 9481689 CAF A6303 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.46 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Mar 02, 2018 00:38:08
Instrument	18274A
Result file	25PCBS18047010.021.RAW
Calibration file	25PCBS1804701
Method file	25PCBS

%SSR(TCX) 96% (61 - 152) Conc: 28.11062
%SSR(DCB) 100% (48 - 164) Conc: 25.82606

Analysis Report (B)

Injected on	Mar 02, 2018 00:38:08
Instrument	18274B
Result file	25PCBS18047010B.021.RAW
Calibration file	25PCBS1804701B
Method file	25PCBSB

%SSR(TCX) 95% (61 - 152) Conc: 27.88024
%SSR(DCB) 91% (48 - 164) Conc: 23.52163

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.96	2.99	3.02	4523080	28.11062
Decachlorobiphenyl	6.69	6.72	6.75	2548746	25.82606

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.69	2.71	2.74	7699023	27.88024
Decachlorobiphenyl	6.25	6.28	6.31	3539184	23.52163

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	28.11062				0.82	
☑	Tetrachloro-m-xylene-D1	A	28.11062					
☑	Tetrachloro-m-xylene-D2	B	27.88024					
☐	Decachlorobiphenyl	A	25.82606				9.34	
☑	Decachlorobiphenyl-D1	A	25.82606					
☑	Decachlorobiphenyl-D2	B	23.52163					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**27.08**	
4.84	4.86	4.88	91626.12	18.067346			1
5.25	5.27	5.29	192907.2	30.889998			2
5.31	5.33	5.35	133812.2	41.272872			3
5.48	5.50	5.52	143530.6	40.75978			4
5.71	5.73	5.75	279179.4	31.460928			5
5.92	5.94	5.96	217263.9	41.391155			6

Height summation: **1058319.42**
Concentration CF: **33.97368** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**25.46**	
4.60	4.62	4.64	260526.5	27.192395			1
4.71	4.73	4.75	120880.1	15.220407			2
4.84	4.86	4.88	242663.2	25.643733			3
5.07	5.09	5.11	185131	30.707843			4
5.27	5.28	5.31	436902.2	32.146417			5
5.53	5.54	5.57	332783.2	35.46029			6

Height summation: **1578886.2**
Concentration CF: **27.728514** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<48.7572	<2.8681	D1		4	
☑	PCB-1221			<48.7572	<2.8681	D1		3	
☑	PCB-1232			<48.7572	<2.8681	D1		4	
☑	PCB-1242			<48.7572	<2.8681	D1		4	
☑	PCB-1248			<48.7572	<2.8681	D1		4	
☑	PCB-1254			<48.7572	<2.8681	D1		4	
☑	PCB-1260	A	33.97368	<48.7572	2.8681	JD1	20.24	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

MAR 0 2 2018

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:26

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9481689** CAF A6303 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.46 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:38:08
Instrument : CP25--18274A
Result file : 25PCBS18047010.021.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 96% (61-152) Conc.: 28.11062
%SSR(DCB) : 100% (48-164) Conc.: 25.82606

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	75.52	
+ 3.23	3.25	3.27	381.088	0.141803			1
3.23	3.26	3.27	841.6866	0.313191			1
+ 3.45	3.45	3.49	271.6067	0.096269			2
+ 3.45	3.47	3.49	390.7646	0.138504			2
3.45	3.48	3.49	491.6064	0.174247			2
3.56	3.58	3.60	1633.609	0.487794			3
+ 3.56	3.60	3.60	942.3944	0.281398			3
3.78	3.81	3.82	2959.798	0.818956			4
3.85	3.87	3.89	1468.541	0.47652			5
4.04	4.06	4.08	3655.828	1.484001			6
Height Summation:			11051.069				
Amount Avg CF:			0.625785	Linear:			
Aroclor-1221					3	170.61	
+ 3.13	3.14	3.17	181.0854	0.123063			1
3.13	3.15	3.17	438.2303	0.297815			1
+ 3.13	3.16	3.17	254.9468	0.173258			1
3.18	3.19	3.22	62278.39	50.48273			2
+ 3.18	3.22	3.22	2366.593	1.918355			2
+ 3.23	3.25	3.27	381.088	0.095864			3
3.23	3.26	3.27	841.6866	0.211729			3
Height Summation:			63558.3069				
Amount Avg CF:			16.997425	Linear:			
Aroclor-1232					6	90.62	
+ 3.23	3.25	3.27	381.088	0.123984			1
3.23	3.26	3.27	841.6866	0.273835			1
+ 3.45	3.45	3.49	271.6067	0.207775			2
+ 3.45	3.47	3.49	390.7646	0.29893			2
3.45	3.48	3.49	491.6064	0.376072			2
3.57	3.58	3.61	1633.609	1.06335			3
+ 3.57	3.60	3.61	942.3944	0.613424			3
3.79	3.81	3.83	2959.798	1.723695			4
3.85	3.87	3.89	1468.541	1.076912			5
4.04	4.06	4.08	3655.828	3.616252			6
Height Summation:			11051.069				
Amount Avg CF:			1.355019	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:38:08
Instrument : CP25--18274B
Result file : 25PCBS18047010B.021.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 27.88024
%SSR(DCB) : 91% (48-164) Conc.: 23.52163

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	82.60	
2.98	3.00	3.02	4451.889	0.959048			1
+ 3.32	3.32	3.36	2421.107	0.453893			2
+ 3.32	3.34	3.36	2918.85	0.547206			2
3.32	3.35	3.36	8254.212	1.547444			2
+ 3.51	3.51	3.55	610.9504	0.114527			3
+ 3.51	3.53	3.55	1861.46	0.348945			3
3.51	3.54	3.55	8466.788	1.587165			3
+ 3.59	3.59	3.63	2840.819	0.508783			4
3.59	3.61	3.63	5764.741	1.03245			4
3.65	3.67	3.69	21726.26	5.177693			5
3.75	3.77	3.79	6245.193	1.357217			6
Height Summation:			54909.083				
Amount Avg CF:			1.943503	Linear:			
Aroclor-1221					3	154.33	
2.87	2.88	2.91	13832.21	4.859731			1
2.93	2.94	2.97	108580.6	69.471535			2
2.98	3.00	3.02	4451.889	0.654471			3
Height Summation:			126864.699				
Amount Avg CF:			24.995246	Linear:			
Aroclor-1232					6	92.85	
2.98	3.00	3.02	4451.889	0.824956			1
+ 3.32	3.32	3.36	2421.107	0.978205			2
+ 3.32	3.34	3.36	2918.85	1.179309			2
3.32	3.35	3.36	8254.212	3.334965			2
+ 3.52	3.53	3.56	1861.46	0.728067			3
3.52	3.54	3.56	8466.788	3.31159			3
3.59	3.61	3.63	5764.741	2.334062			4
3.65	3.67	3.69	21726.26	13.444276			5
+ 3.76	3.77	3.80	6245.193	3.361131			6
3.76	3.80	3.80	11125.53	5.987703			6
Height Summation:			59789.42				
Amount Avg CF:			4.872925	Linear:			
Aroclor-1242					6	84.88	
2.98	3.00	3.02	4451.889	1.167584			1
+ 3.32	3.32	3.36	2421.107	0.571279			2
+ 3.32	3.34	3.36	2918.85	0.688725			2
3.32	3.35	3.36	8254.212	1.947645			2
+ 3.51	3.53	3.55	1861.46	0.425759			3
3.51	3.54	3.55	8466.788	1.936551			3
3.59	3.61	3.63	5764.741	1.308539			4
3.65	3.67	3.69	21726.26	6.664336			5
3.76	3.77	3.80	6245.193	1.720899			6
Height Summation:			54909.083				
Amount Avg CF:			2.457592	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481689 CAF A6303 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.46 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:38:08
Instrument : CP25--18274A
Result file : 25PCBS18047010.021.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	77.65	
+ 3.23	3.25	3.27	381.088	0.173667			1
3.23	3.26	3.27	841.6866	0.383568			1
+ 3.45	3.45	3.49	271.6067	0.12191			2
+ 3.45	3.47	3.49	390.7646	0.175394			2
3.45	3.48	3.49	491.6064	0.220656			2
3.57	3.58	3.61	1633.609	0.608793			3
+ 3.57	3.60	3.61	942.3944	0.3512			3
3.79	3.81	3.83	2959.798	0.994779			4
3.85	3.87	3.89	1468.541	0.611655			5
4.04	4.06	4.08	3655.828	1.925502			6
Height Summation:			11051.069				
Amount Avg CF:			0.790826	Linear:			
Aroclor-1248					6	42.53	
3.79	3.81	3.83	2959.798	1.688362			1
3.85	3.87	3.89	1468.541	0.854945			2
+ 3.92	3.93	3.96	1138.322	0.358548			3
3.92	3.94	3.96	2573.972	0.810747			3
4.04	4.06	4.08	3655.828	1.058468			4
4.13	4.14	4.17	4524.45	1.611911			5
+ 4.13	4.17	4.17	1282.591	0.456944			5
4.32	4.34	4.36	1562.721	0.529116			6
Height Summation:			16745.31				
Amount Avg CF:			1.092258	Linear:			
Aroclor-1254					6	123.49	
4.45	4.47	4.49	12239.49	2.227257			1
+ 4.65	4.67	4.69	3060.37	0.850048			2
4.65	4.69	4.69	6719.641	1.866447			2
4.71	4.73	4.75	19709.25	2.823489			3
4.84	4.86	4.88	91626.12	41.502185			4
5.13	5.15	5.17	22597.55	6.519154			5
+ 5.13	5.17	5.17	3065.52	0.88437			5
5.25	5.27	5.29	192907.2	42.979641			6
Height Summation:			345799.251				
Amount Avg CF:			16.319696	Linear:			
Aroclor-1260					6	27.08	
4.84	4.86	4.88	91626.12	18.067346			1
5.25	5.27	5.29	192907.2	30.889998			2
5.31	5.33	5.35	133812.2	41.272872			3
5.48	5.50	5.52	143530.6	40.75978			4
5.71	5.73	5.75	279179.4	31.460928			5
5.92	5.94	5.96	217263.9	41.391155			6
Height Summation:			1058319.42				
Amount Avg CF:			33.97368	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:38:08
Instrument : CP25--18274B
Result file : 25PCBS18047010B.021.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					5	54.96	
+ 3.51	3.53	3.55	1861.46	0.772823			1
3.51	3.54	3.55	8466.788	3.515158			1
+ 3.59	3.59	3.63	2840.819	0.883717			2
3.59	3.61	3.63	5764.741	1.793285			2
3.75	3.77	3.79	6245.193	0.976629			4
3.85	3.85	3.89	6610.8	1.538878			5
+ 3.85	3.87	3.89	3105.322	0.722864			5
+ 3.85	3.89	3.89	2088.804	0.486237			5
3.99	4.01	4.03	10393	1.255296			6
+ 3.99	4.03	4.03	7826.67	0.945327			6
Height Summation:			37480.522				
Amount Avg CF:			1.815849	Linear:			
Aroclor-1254					6	80.99	
4.37	4.38	4.41	22180.79	1.968354			1
4.46	4.48	4.50	143868	28.319706			2
4.60	4.62	4.64	260526.5	61.151675			3
4.71	4.73	4.75	120880.1	30.497008			4
4.76	4.78	4.80	27486.3	5.388464			5
4.84	4.86	4.88	242663.2	31.194618			6
Height Summation:			817604.89				
Amount Avg CF:			26.419971	Linear:			
Aroclor-1260					6	25.46	
4.60	4.62	4.64	260526.5	27.192395			1
4.71	4.73	4.75	120880.1	15.220407			2
4.84	4.86	4.88	242663.2	25.643733			3
5.07	5.09	5.11	185131	30.707843			4
5.27	5.28	5.31	436902.2	32.146417			5
5.53	5.54	5.57	332783.2	35.46029			6
Height Summation:			1578886.2				
Amount Avg CF:			27.728514	Linear:			
Aroclor-1262					6	20.17	
4.88	4.89	4.92	168560	19.291414			1
5.08	5.09	5.12	185131	21.2328			2
+ 5.08	5.11	5.12	23244.64	2.665944			2
5.27	5.28	5.31	436902.2	24.544841			3
5.49	5.50	5.53	111664	16.620044			4
5.53	5.54	5.57	332783.2	28.493891			5
5.91	5.92	5.95	119091.6	18.834117			6
Height Summation:			1354132				
Amount Avg CF:			21.502851	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481689 CAF A6303 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.46 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:38:08
Instrument : CP25--18274A
Result file : 25PCBS18047010.021.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**12.73**	
5.32	5.33	5.36	133812.2	23.506927			1
5.48	5.50	5.52	143530.6	28.428316			2
5.72	5.73	5.76	279179.4	25.451961			3
+ 5.72	5.75	5.76	15588.42	1.42115			3
5.92	5.94	5.96	217263.9	32.49841			4
5.98	5.99	6.02	80874.66	23.681699			5
6.35	6.37	6.39	108624.9	26.366484			6

Height Summation: **963285.66**
Amount Avg CF: **26.655633** Linear:

Aroclor-1268					**6**	**74.04**	
5.92	5.94	5.96	217263.9	15.203763			1
5.98	5.99	6.02	80874.66	6.673986			2
6.11	6.13	6.15	51049.15	4.277464			3
+ 6.17	6.19	6.21	28849.54	9.402569			4
6.17	6.21	6.21	37367.23	12.178633			4
6.35	6.37	6.39	108624.9	21.803249			5
6.55	6.57	6.59	56661.51	1.40599			6

Height Summation: **551841.35**
Amount Avg CF: **10.257181** Linear:

Analysis Report (B)

Injected on : Mar 02, 2018 00:38:08
Instrument : CP25--18274B
Result file : 25PCBS18047010B.021.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**71.96**	
5.48	5.50	5.52	111664	5.343923			1
5.53	5.54	5.57	332783.2	15.40479			2
5.68	5.70	5.72	73144.9	4.223796			3
5.75	5.77	5.79	80037.84	18.115934			4
+ 5.90	5.90	5.94	13225.18	1.791645			5
5.90	5.92	5.94	119091.6	16.133607			5
6.10	6.12	6.14	80677.41	1.298463			6

Height Summation: **797398.95**
Amount Avg CF: **10.086752** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			48.7572	2.8681		** 102.57	4	40	
Aroclor-1221			48.7572	2.8681		38.09	3	5	
Aroclor-1232			48.7572	2.8681		** 112.97	4	10	
Aroclor-1242			48.7572	2.8681		** 102.62	4	30	
Aroclor-1248			48.7572	2.8681		** 49.76	4	40	
Aroclor-1254			48.7572	2.8681		** 47.26	4	40	
Aroclor-1260			48.7572	2.8681		20.24	4	40	
Aroclor-1262			48.7572	2.8681		21.40	4	40	
Aroclor-1268			48.7572	2.8681		1.68	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9481689 CAF ACA6303 T 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:38:08 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.004		204	45
2.01		279	58
2.035		2289	1707
2.051		2525	1514
2.068		3054	2086
2.092		13903	15312
2.149		3768	5673
2.192		51621	36569
2.261		14234	9454
2.282		4443	2655
2.301		555	166
2.339		221	38
2.345		256	103
2.374		3077	1819
2.393		2139	1200
2.452		28276	22668
2.496		2729	3322
2.522		296	46
2.553		4467	3250
2.577		2031	1154
2.597		185	26
2.605		527	217
2.616		202	29
2.633		1211	1488
2.662		301	140
2.693		960	502
2.713		30193	19013
2.737		200	24
2.748		3642	1984
2.763		1141	484
2.797		4723	3434
2.822		749	476
2.85		480	175
2.865		237	37
2.872		263	135
2.884		80	15
2.895		1164	766
2.913		189	47
2.933		2404	2695
2.992	TCX	4523080	2913660
3.041		3306	2090
3.077		1876	987
3.103		8061	4725
3.137		181	71
3.145		438	228
3.164		255	60
3.171		115	14
3.175		374	71
3.192		62278	39540
3.217		2367	1329
3.253		381	286
3.26		842	403
3.285		360	146
3.306		74418	51229

RT A	Compound A	Height A	Area A
3.325		6747	3466
3.367		11667	7438
3.386		885	569
3.412		2320	1468
3.428		513	176
3.452		272	64
3.468		391	249
3.479		492	201
3.496		1574	882
3.515		1713	926
3.543		394	359
3.548		163	35
3.558		1073	640
3.582		1634	904
3.602		942	637
3.618		913	460
3.656		9269	6563
3.676		3691	1945
3.697		723	425
3.732		2322	1870
3.766		2309	1348
3.78		11337	6393
3.805		2960	1822
3.827		167	30
3.841		914	672
3.87		1469	1644
3.895		233	48
3.927		1138	584
3.943		2574	1671
3.968		5750	3988
4.001		1946	1757
4.023		326	103
4.034		165	53
4.065		3656	2692
4.086		1629	956
4.105		789	423
4.144		4524	3898
4.169		1283	751
4.199		2190	1623
4.227		736	416
4.257		317	151
4.276		8102	6888
4.299		450	182
4.314		2528	1685
4.336		1563	857
4.358		670	509
4.384		1414	1484
4.414		328	101
4.425		882	864
4.446		229	56
4.473		12239	12047
4.51		1384	770
4.526		5840	3998
4.546		171	28
4.55		392	124
4.572		258	161
4.576		436	164
4.613		14940	17539
4.647		890	439
4.671		3060	2038
4.685		6720	4247
4.733		19709	18748
4.779		3958	2471
4.795		6471	4131
4.82		4657	3169
4.858		91626	84870

RT A	Compound A	Height A	Area A
4.893		6492	8660
4.925		230	50
4.948		10862	12137
4.984		13273	9732
5.007		22237	18083
5.06		169261	196701
5.111		41104	35114
5.153		22598	18647
5.169		3066	1793
5.196		2593	1631
5.226		35843	41927
5.268		192907	184391
5.291		5598	2517
5.309		3047	1259
5.332		133812	122614
5.374		82666	80683
5.414		449	151
5.442		4463	3720
5.496		143531	166953
5.531		440	113
5.553		77296	66598
5.593		39307	44893
5.635		25216	25977
5.677		39824	36126
5.733		279179	258514
5.754		15588	9625
5.817		165	46
5.822		511	187
5.844		127	93
5.856		2034	1311
5.876		850	500
5.899		442	149
5.939		217264	232156
5.988		80875	144889
6.043		392	102
6.053		398	62
6.058		307	63
6.065		284	66
6.072		316	86
6.087		130	17
6.127		51049	53229
6.156		275	95
6.164		278	86
6.193		28850	25296
6.209		37367	29509
6.246		3176	2528
6.277		412	567
6.308		1847	1401
6.331		555	252
6.369		108625	104090
6.413		5278	4622
6.433		1576	952
6.471		370	152
6.48		497	358
6.495		507	129
6.518		370	119
6.539		216	33
6.571		56662	55725
6.611		414	198
6.629		276	134
6.649		288	92
6.661		457	175
6.676		460	138
6.682		238	28
6.718	DCB	2548747	2618064
6.824		257	45

RT A	Compound A	Height A	Area A
6.834		265	110
6.847		2645	2168
6.881		3503	3134
6.908		331	46
6.935		295	119
6.94		360	52
6.945		406	135
6.978		1359	1110
6.996		241	29

LANCASTER LABORATORIES

Sample Number: 9481689 CAF ACA6303 T 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:38:08 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.009		4332	2142
2.04		20419	15719
2.075		11445	18427
2.123		7057	19621
2.2		57179	46458
2.238		2082	1139
2.268		8761	9197
2.314		3770	2098
2.345		1512	2714
2.369		6666	5710
2.418		3095	1773
2.458		57486	42974
2.526		9779	8801
2.555		4290	2964
2.591		13206	11932
2.629		5356	8173
2.662		4180	2756
2.69		3710	2506
2.713	TCX	7699023	4721428
2.777		20107	10401
2.799		3763	7809
2.884		13832	15188
2.935		108581	70628
3.001		4452	2178
3.027		145319	89748
3.053		19396	11323
3.095		3784	2506
3.117		1401	916
3.126		4254	3396
3.154		2865	1473
3.17		21077	13047
3.196		2849	1828
3.213		1004	406
3.225		757	500
3.262		1003	427
3.288		1925	724
3.304		3361	1896
3.324		2421	1097
3.336		2919	1349
3.352		8254	6613
3.377		10132	7813
3.391		650	219
3.402		1402	499
3.43		7209	5545
3.446		6091	2792
3.474		16663	12058
3.496		2518	1453
3.513		611	158
3.527		1861	765
3.543		8467	4226
3.564		28268	19389
3.59		2841	1201
3.608		5765	8211
3.665		21726	23186

RT B	Compound B	Height B	Area B
3.69		9030	8922
3.712		8568	10389
3.747		6601	3521
3.77		6245	6578
3.796		11126	6925
3.817		5538	8659
3.853		6611	4139
3.868		3105	1522
3.889		2089	1411
3.909		2476	1566
3.939		3246	2240
3.959		7326	9566
4.005		10393	9457
4.028		7827	6156
4.072		17306	21062
4.108		13669	8123
4.144		4468	2924
4.22		8473	7306
4.25		16684	17878
4.296		2673	1268
4.312		13460	11759
4.365		10659	7401
4.384		22181	24079
4.422		20143	15956
4.479		143868	123225
4.521		8620	8446
4.551		9542	7086
4.576		43065	29340
4.597		11190	5726
4.62		260527	220615
4.688		4809	4060
4.728		120880	117401
4.784		27486	25575
4.824		61482	70866
4.86		242663	207047
4.894		168560	133680
4.933		109347	101997
4.999		4227	4539
5.038		7680	5396
5.054		5714	3575
5.089		185131	154664
5.114		23245	14969
5.165		118194	119579
5.201		62980	49653
5.23		45899	48054
5.262		2891	1082
5.283		436902	384366
5.325		8429	5524
5.359		78175	73297
5.399		1570	928
5.44		3185	3073
5.475		4502	2698
5.499		111664	93086
5.543		332783	362523
5.599		23299	21010
5.641		3509	3658
5.698		73145	65677
5.74		8761	5771
5.766		80038	68098
5.815		88486	75405
5.853		1404	1191
5.871		5318	4029
5.903		13225	7732
5.92		119092	90627
5.951		8657	6545
5.989		4823	7125

RT B	Compound B	Height B	Area B
6.047		2303	1326
6.12		80677	74927
6.218		1596	861
6.28	DCB	3539184	3360425
6.487		3023	2570
6.521		5107	5359
6.553		9512	9971
6.601		3557	3074
6.639		2981	8548
6.709		7299	15539
6.749		964	911
6.762		1314	1124
6.851		3658	5275
6.892		3525	2444
6.926		5159	4983
6.98		9571	9230

9481689 CAF ACA6303 T 180590045A 10225 SW-846 8082

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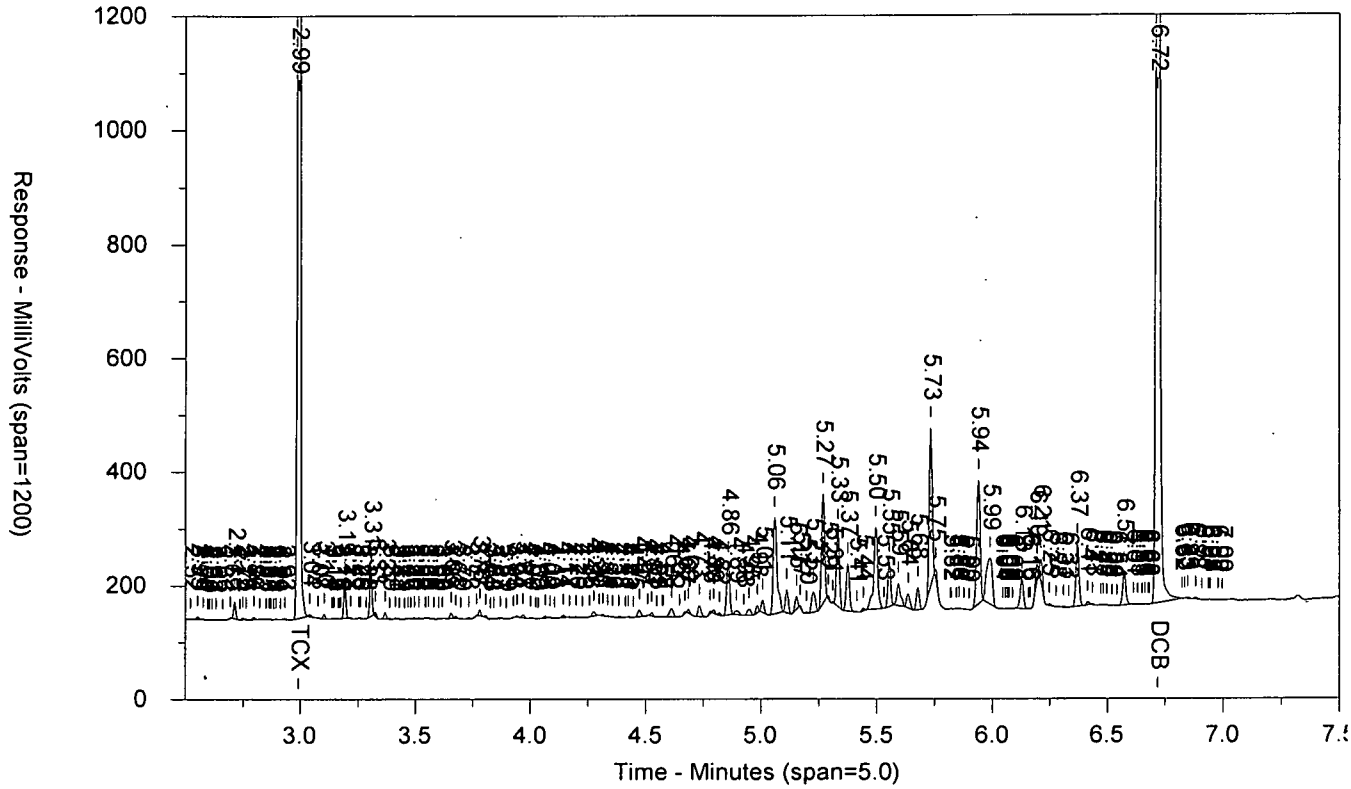

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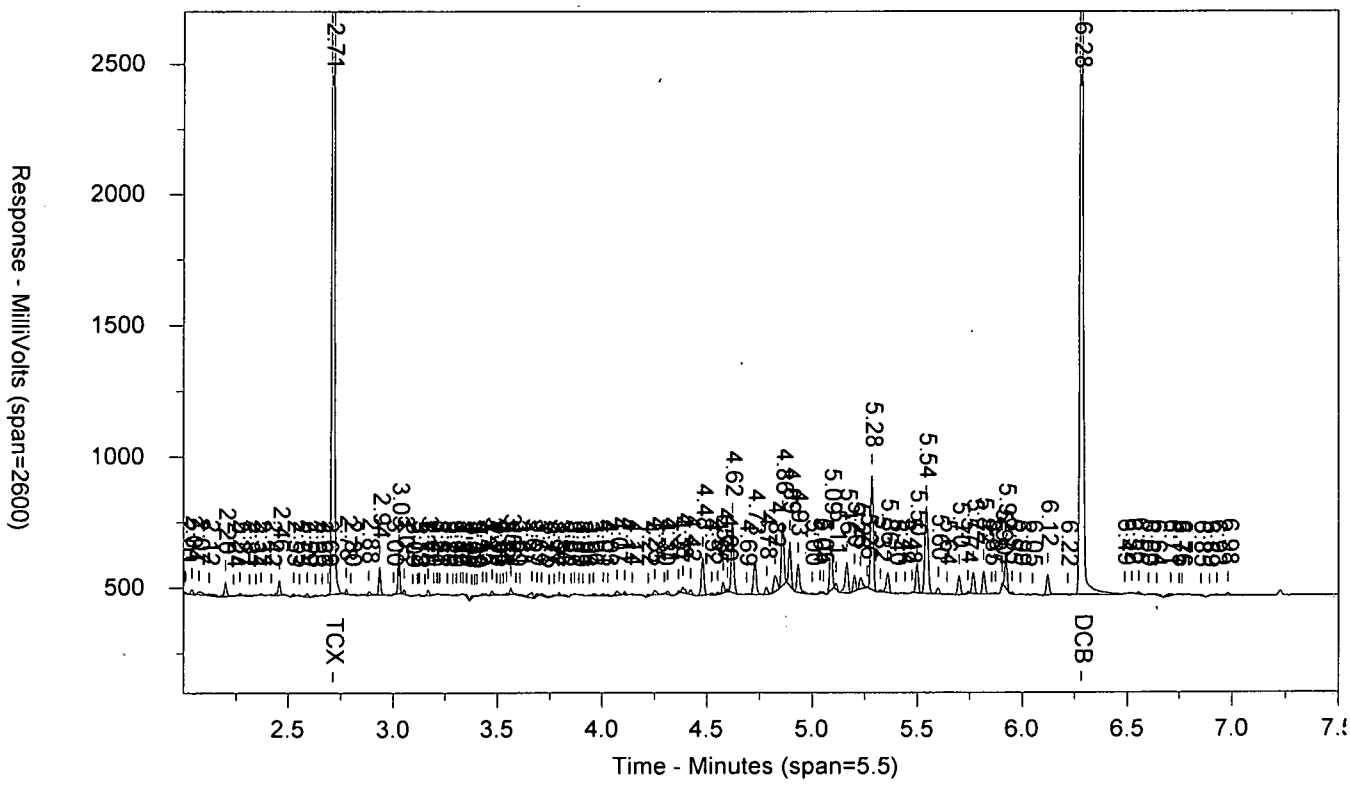

LANCASTER LABORATORIES

Sample Number: 9481689 CAF ACA6303 T 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:38:08 AM Sample Weight: 10.46
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	4523080	28.111	TCX	2.713	7699023	27.88	TCX
6.718	2548747	25.826	DCB	6.28	3539184	23.522	DCB

Files:
Area File: 25PCBs18047010.021.RAW
Area File: 25PCBs18047010B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 12:46:40 AM
File Reported On: 3/2/2018 at 9:04:44 AM

9481689 CAF ACA6303 T 180590045A 10225 SW-846 8082

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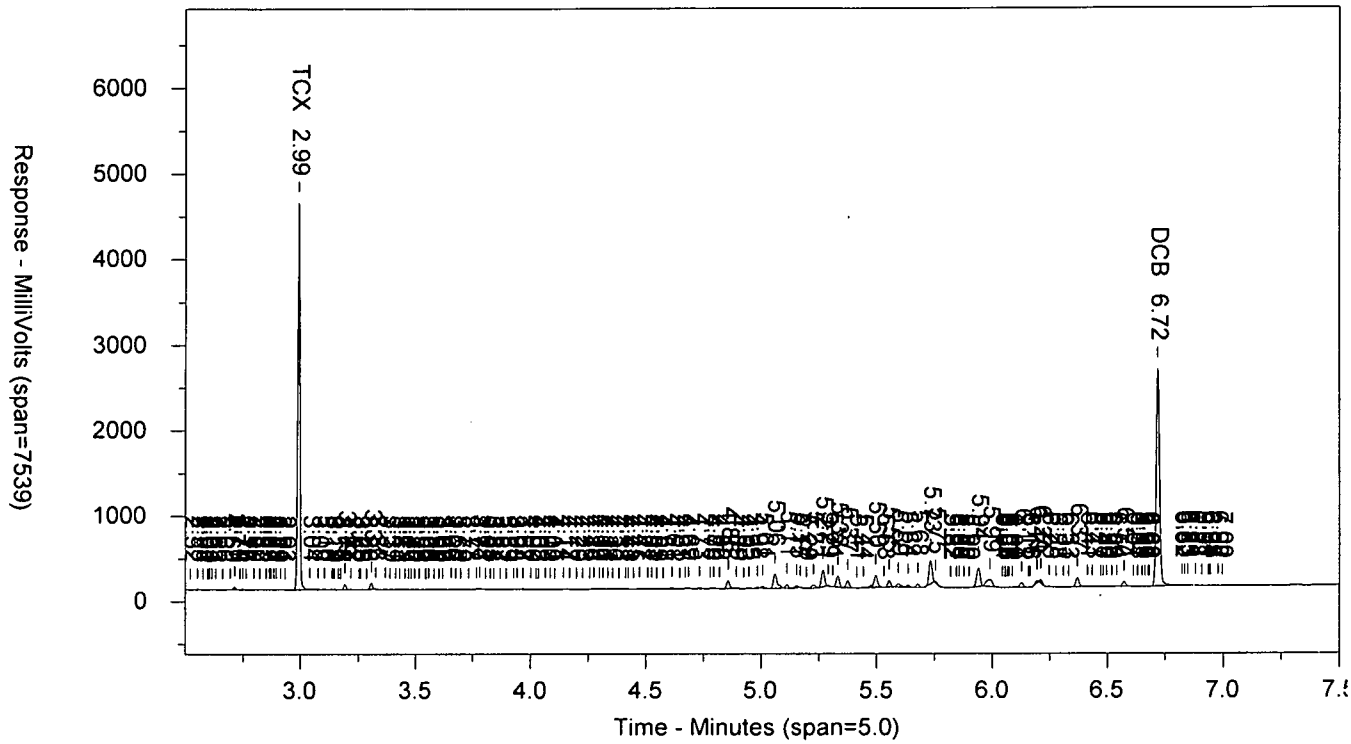

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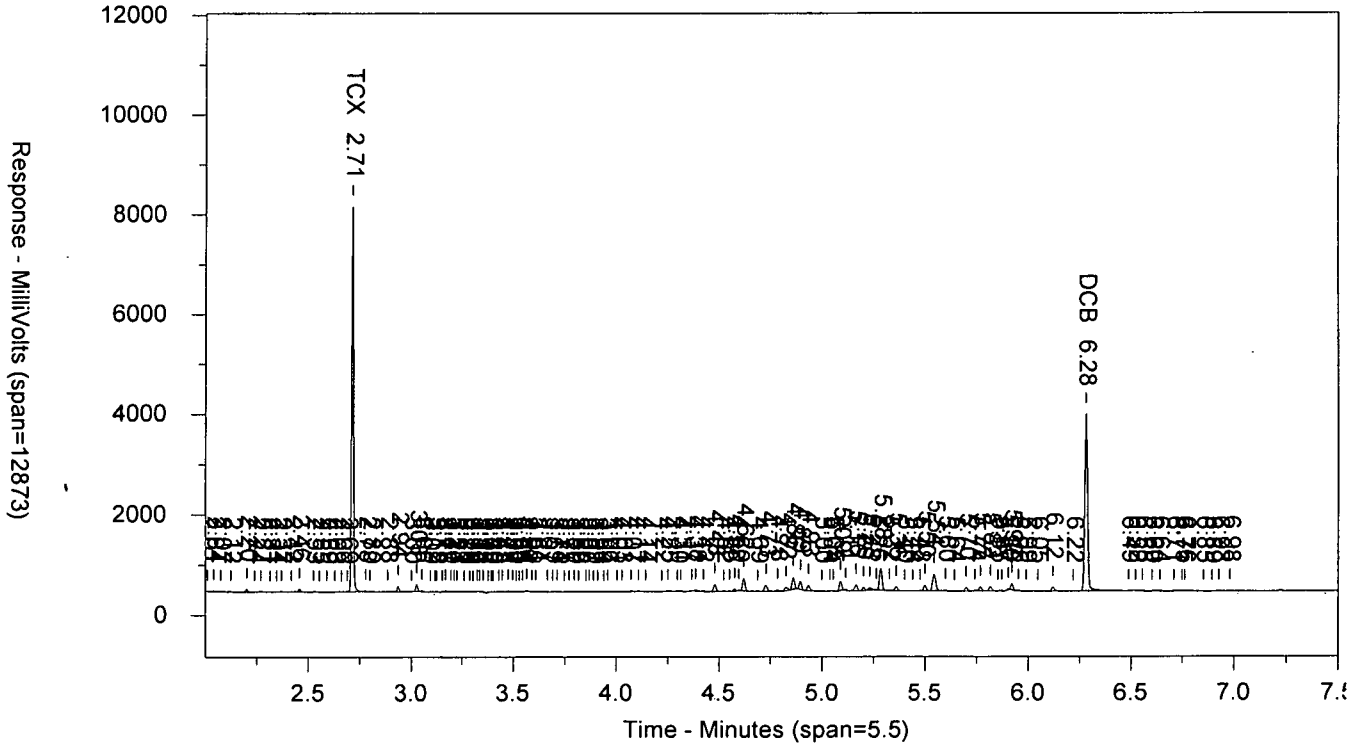

9481689 CAF ACA6303 T 180590045A 10225 SW-846 8082

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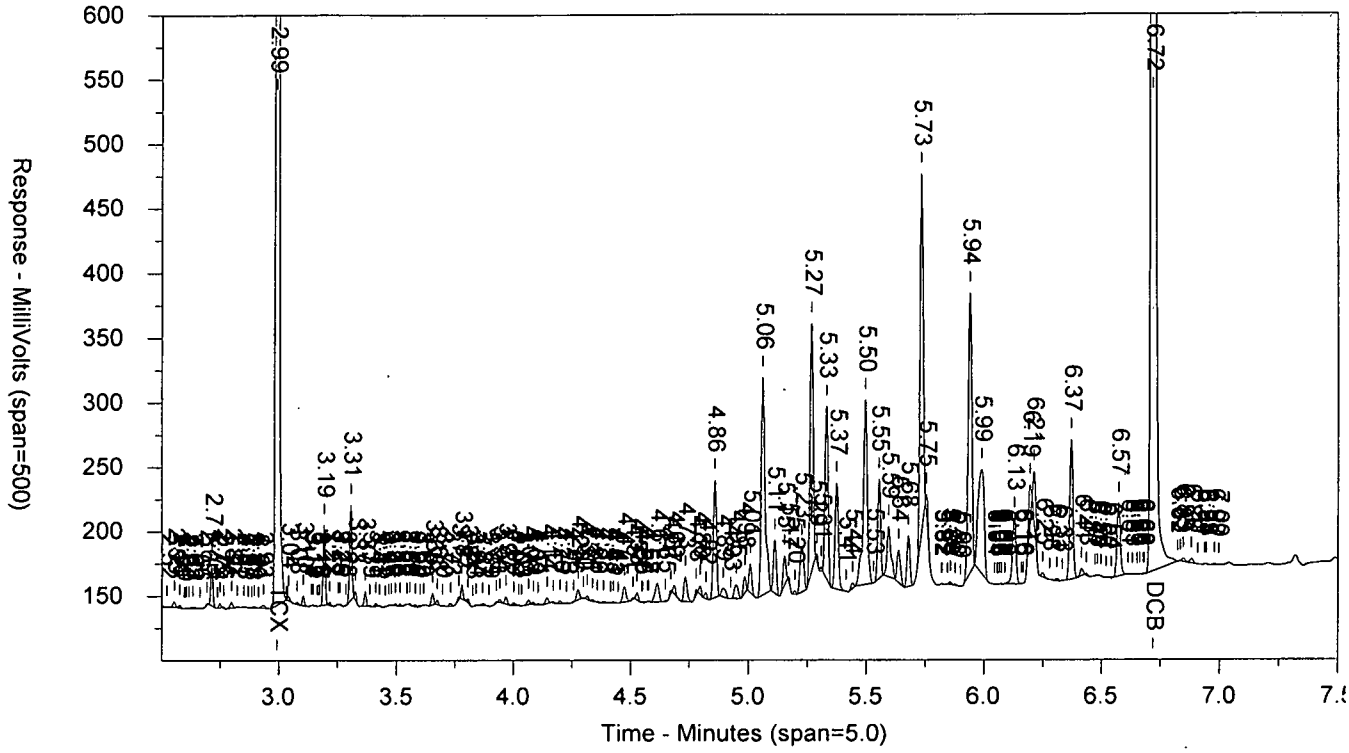

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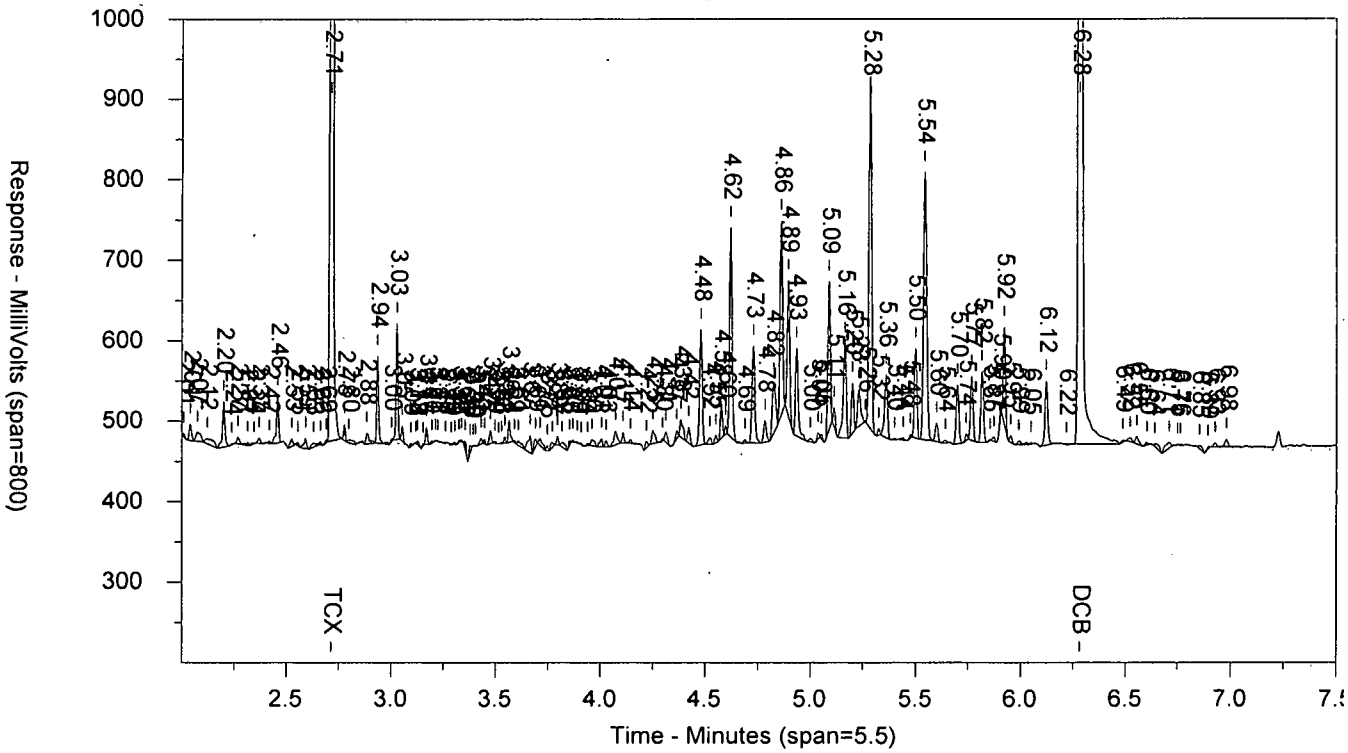

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Data Summary

Sample Name: 9481690 CAF A6304 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.32 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on Mar 02, 2018 00:49:26
Instrument 18274A
Result file 25PCBS18047010.022.RAW
Calibration file 25PCBS1804701
Method file 25PCBS

%SSR(TCX) 95% (61 - 152) Conc: 28.07244
%SSR(DCB) * 36% (48 - 164) Conc: 9.365585

Analysis Report (B)

Injected on Mar 02, 2018 00:49:26
Instrument 18274B
Result file 25PCBS18047010B.022.RAW
Calibration file 25PCBS1804701B
Method file 25PCBSB

%SSR(TCX) 93% (61 - 152) Conc: 27.59661
%SSR(DCB) 77% (48 - 164) Conc: 20.15274

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.96	2.99	3.02	4456481	28.07244
Decachlorobiphenyl	6.69	6.72	6.75	911909	9.365585

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.69	2.71	2.74	7518702	27.59661
Decachlorobiphenyl	6.25	6.28	6.31	2991698	20.15274

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	28.07244				1.71	
☑	Tetrachloro-m-xylene-D1	A	28.07244					
☑	Tetrachloro-m-xylene-D2	B	27.59661					
☐	Decachlorobiphenyl	A	9.365585			P	73.09	
☑	Decachlorobiphenyl-D1	A	9.365585					
☑	Decachlorobiphenyl-D2	B	20.15274					

Multiple Component Data

Aroclor-1260 (%RSD 12.34)

Min	RT	Max	Height	Amount	Pks	Peak
4.84	4.86	4.88	100252.9	20.036598		1
5.25	5.27	5.29	151927	24.657917		2
5.31	5.33	5.35	84460.48	26.404291		3
5.48	5.50	5.52	84527.5	24.329733		4
5.71	5.73	5.75	214474.5	24.497164		5
5.92	5.94	5.96	152551.5	29.456995		6

Height summation: **788193.88**
Concentration CF: **24.897116** L:

Aroclor-1260 (%RSD 12.19)

Min	RT	Max	Height	Amount	Pks	Peak
4.60	4.62	4.64	199824.8	21.139608		1
4.71	4.73	4.75	159082.6	20.302341		2
4.84	4.86	4.88	165853.4	17.764529		3
5.07	5.09	5.11	123864.3	20.824199		4
5.27	5.28	5.31	295299.2	22.022296		5
5.53	5.54	5.57	145584.7	15.723478		6

Height summation: **1089509**
Concentration CF: **19.629409** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49.4186	<2.907	D1		4	
☑	PCB-1221			<49.4186	<2.907	D1		3	
☑	PCB-1232			<49.4186	<2.907	D1		4	
☑	PCB-1242			<49.4186	<2.907	D1		4	
☑	PCB-1248			<49.4186	<2.907	D1		4	
☑	PCB-1254			<49.4186	<2.907	D1		4	
☑	PCB-1260	A	24.897116	<49.4186	2.907	JD1	23.66	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

MAR 0 2 2018

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:28

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481690 CAF A6304 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.32 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:49:26
Instrument : CP25--18274A
Result file : 25PCBS18047010.022.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 95% (61-152) Conc.: 28.07244
%SSR(DCB) : *36% (48-164) Conc.: 9.365585

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**51.85**	
+ 3.23	3.25	3.27	756.499	0.285312			1
3.23	3.26	3.27	2550.303	0.96184			1
+ 3.45	3.46	3.49	2935.702	1.054659			2
3.45	3.48	3.49	3227.736	1.159573			2
3.56	3.59	3.60	1463.51	0.442931			3
3.78	3.81	3.82	2679.07	0.751337			4
3.85	3.86	3.89	639.6621	0.210377			5
+ 3.85	3.88	3.89	483.2553	0.158937			5
4.04	4.06	4.08	3107.646	1.278592			6
Height Summation:			**13667.9271**				
Amount Avg CF:			**0.800775**	Linear:			
Aroclor-1221					**3**	**165.25**	
3.13	3.15	3.17	1402.107	0.965779			1
3.18	3.19	3.22	62215.54	51.115936			2
+ 3.18	3.22	3.22	206.8584	0.169954			2
+ 3.23	3.25	3.27	756.499	0.192881			3
3.23	3.26	3.27	2550.303	0.65024			3
Height Summation:			**66167.95**				
Amount Avg CF:			**17.577318**	Linear:			
Aroclor-1232					**6**	**65.48**	
+ 3.23	3.25	3.27	756.499	0.249459			1
3.23	3.26	3.27	2550.303	0.840974			1
+ 3.45	3.46	3.49	2935.702	2.276237			2
3.45	3.48	3.49	3227.736	2.50267			2
3.57	3.59	3.61	1463.51	0.965552			3
3.79	3.81	3.83	2679.07	1.581373			4
3.85	3.86	3.89	639.6621	0.475441			5
+ 3.85	3.88	3.89	483.2553	0.359189			5
4.04	4.06	4.08	3107.646	3.115706			6
Height Summation:			**13667.9271**				
Amount Avg CF:			**1.580286**	Linear:			
Aroclor-1242					**6**	**53.03**	
+ 3.23	3.25	3.27	756.499	0.349424			1
3.23	3.26	3.27	2550.303	1.177974			1
+ 3.45	3.46	3.49	2935.702	1.335558			2
3.45	3.48	3.49	3227.736	1.468415			2
3.57	3.59	3.61	1463.51	0.552802			3
3.79	3.81	3.83	2679.07	0.912643			4
3.85	3.86	3.89	639.6621	0.270037			5
+ 3.85	3.88	3.89	483.2553	0.204009			5
4.04	4.06	4.08	3107.646	1.658982			6
Height Summation:			**13667.9271**				
Amount Avg CF:			**1.006809**	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:49:26
Instrument : CP25--18274B
Result file : 25PCBS18047010B.022.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 93% (61-152) Conc.: 27.59661
%SSR(DCB) : 77% (48-164) Conc.: 20.15274

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**66.40**	
2.98	3.01	3.02	6206.908	1.355261			1
3.32	3.35	3.36	68662.36	13.046979			2
3.51	3.52	3.55	35950.2	6.830565			3
+ 3.59	3.59	3.63	29380.4	5.333334			4
3.59	3.62	3.63	67092.36	12.17907			4
3.65	3.66	3.69	72211.34	17.4425			5
3.75	3.77	3.79	18569.29	4.090257			6
+ 3.75	3.78	3.79	11104.19	2.44592			6
Height Summation:			**268692.458**				
Amount Avg CF:			**9.157439**	Linear:			
Aroclor-1221					**3**	**158.67**	
2.87	2.91	2.91	10723.73	3.818726			1
2.93	2.93	2.97	122645.5	79.534996			2
2.98	3.01	3.02	6206.908	0.924855			3
Height Summation:			**139576.138**				
Amount Avg CF:			**28.092859**	Linear:			
Aroclor-1232					**6**	**74.71**	
2.98	3.01	3.02	6206.908	1.165773			1
3.32	3.35	3.36	68662.36	28.118128			2
3.52	3.52	3.56	35950.2	14.251847			3
+ 3.52	3.55	3.56	12930.29	5.125994			3
+ 3.59	3.59	3.63	29380.4	12.057082			4
3.59	3.62	3.63	67092.36	27.533257			4
3.65	3.66	3.69	72211.34	45.290784			5
3.76	3.77	3.80	18569.29	10.129472			6
+ 3.76	3.78	3.80	11104.19	6.057291			6
Height Summation:			**268692.458**				
Amount Avg CF:			**21.081544**	Linear:			
Aroclor-1242					**6**	**67.61**	
2.98	3.01	3.02	6206.908	1.649952			1
3.32	3.35	3.36	68662.36	16.421203			2
3.51	3.52	3.55	35950.2	8.334192			3
+ 3.51	3.55	3.55	12930.29	2.997578			3
+ 3.59	3.59	3.63	29380.4	6.759529			4
3.59	3.62	3.63	67092.36	15.435895			4
3.65	3.66	3.69	72211.34	22.45067			5
3.76	3.77	3.80	18569.29	5.186291			6
+ 3.76	3.78	3.80	11104.19	3.101333			6
Height Summation:			**268692.458**				
Amount Avg CF:			**11.5797**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481690 CAF A6304 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.32 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:49:26
Instrument : CP25--18274A
Result file : 25PCBS18047010.022.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**69.80**	
3.79	3.81	3.83	2679.07	1.548958			1
3.85	3.86	3.89	639.6621	0.377446			2
+ 3.85	3.88	3.89	483.2553	0.285155			2
+ 3.92	3.92	3.96	938.3612	0.299574			3
+ 3.92	3.93	3.96	597.6413	0.190798			3
3.92	3.94	3.96	1012.56	0.323262			3
4.04	4.06	4.08	3107.646	0.91196			4
+ 4.13	4.14	4.17	962.3235	0.347495			5
4.13	4.17	4.17	4956.414	1.78976			5
4.32	4.34	4.36	1396.018	0.479085			6
Height Summation:			**13791.3701**				
Amount Avg CF:			**0.905078**	Linear:			
Aroclor-1254					**6**	**136.60**	
4.45	4.47	4.49	878910.7	162.107748			1
4.65	4.67	4.69	7952.062	2.238728			2
+ 4.65	4.69	4.69	6945.671	1.955401			2
4.71	4.73	4.75	30088.18	4.368818			3
4.84	4.86	4.88	100252.9	46.02572			4
5.13	5.15	5.17	53639.89	15.684466			5
5.25	5.27	5.29	151927	34.308466			6
Height Summation:			**1222770.732**				
Amount Avg CF:			**44.122324**	Linear:			
Aroclor-1260					**6**	**12.34**	
4.84	4.86	4.88	100252.9	20.036598			1
5.25	5.27	5.29	151927	24.657917			2
5.31	5.33	5.35	84460.48	26.404291			3
5.48	5.50	5.52	84527.5	24.329733			4
5.71	5.73	5.75	214474.5	24.497164			5
5.92	5.94	5.96	152551.5	29.456995			6
Height Summation:			**788193.88**				
Amount Avg CF:			**24.897117**	Linear:			
Aroclor-1262					**6**	**34.78**	
5.32	5.33	5.36	84460.48	15.03854			1
5.48	5.50	5.52	84527.5	16.969016			2
5.72	5.73	5.76	214474.5	19.81826			3
+ 5.72	5.76	5.76	9655.483	0.892203			3
5.92	5.94	5.96	152551.5	23.128263			4
+ 5.98	5.98	6.02	6200.559	1.840277			5
5.98	5.99	6.02	21090.09	6.259373			5
6.35	6.37	6.39	69595.09	17.121958			6
Height Summation:			**626699.16**				
Amount Avg CF:			**16.389235**	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:49:26
Instrument : CP25--18274B
Result file : 25PCBS18047010B.022.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**59.09**	
3.51	3.52	3.55	35950.2	15.127928			1
+ 3.51	3.55	3.55	12930.29	5.441096			1
+ 3.59	3.59	3.63	29380.4	9.263589			2
3.59	3.62	3.63	67092.36	21.154103			2
3.62	3.66	3.66	72211.34	13.695544			3
3.75	3.77	3.79	18569.29	2.943277			4
+ 3.75	3.78	3.79	11104.19	1.760041			4
3.85	3.86	3.89	28237.78	6.662429			5
+ 3.85	3.88	3.89	27545.18	6.499017			5
3.99	4.00	4.03	64223.4	7.862314			6
+ 3.99	4.03	4.03	30547.9	3.739715			6
Height Summation:			**286284.37**				
Amount Avg CF:			**11.240933**	Linear:			
Aroclor-1254					**6**	**71.47**	
+ 4.37	4.37	4.41	42743.89	3.844609			1
4.37	4.40	4.41	95004.87	8.545235			1
4.46	4.48	4.50	111305.7	22.207206			2
4.60	4.62	4.64	199824.8	47.539852			3
4.71	4.73	4.75	159082.6	40.67964			4
+ 4.76	4.76	4.80	5431.195	1.079186			5
4.76	4.79	4.80	19882.22	3.950623			5
4.84	4.86	4.88	165853.4	21.609869			6
Height Summation:			**750953.59**				
Amount Avg CF:			**24.088737**	Linear:			
Aroclor-1260					**6**	**12.19**	
4.60	4.62	4.64	199824.8	21.139608			1
4.71	4.73	4.75	159082.6	20.302341			2
4.84	4.86	4.88	165853.4	17.764529			3
5.07	5.09	5.11	123864.3	20.824199			4
5.27	5.28	5.31	295299.2	22.022296			5
5.53	5.54	5.57	145584.7	15.723478			6
Height Summation:			**1089509**				
Amount Avg CF:			**19.629408**	Linear:			
Aroclor-1262					**6**	**12.16**	
4.88	4.90	4.92	104404.3	12.110997			1
5.08	5.09	5.12	123864.3	14.398799			2
+ 5.08	5.11	5.12	33590.23	3.904749			2
5.27	5.28	5.31	295299.2	16.814744			3
5.49	5.50	5.53	91034.38	13.733348			4
+ 5.49	5.52	5.53	16052.46	2.421657			4
5.53	5.54	5.57	145584.7	12.634501			5
5.91	5.92	5.95	82002.26	13.144435			6
+ 5.91	5.94	5.95	5661.823	0.907554			6
Height Summation:			**842189.14**				
Amount Avg CF:			**13.806137**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481690 CAF A6304 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.32 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:49:26
Instrument : CP25--18274A
Result file : 25PCBS18047010.022.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**81.29**	
5.92	5.94	5.96	152551.5	10.820118			1
+ 5.98	5.98	6.02	6200.559	0.518628			2
5.98	5.99	6.02	21090.09	1.764019			2
6.11	6.13	6.15	37563.57	3.190191			3
6.17	6.19	6.21	40505.24	13.380453			4
6.35	6.37	6.39	69595.09	14.158668			5
6.55	6.57	6.59	46165.93	1.161095			6

Height Summation: **367471.42**
Amount Avg CF: **7.412424** Linear:

Analysis Report (B)

Injected on : Mar 02, 2018 00:49:26
Instrument : CP25--18274B
Result file : 25PCBS18047010B.022.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**66.11**	
5.48	5.50	5.52	91034.38	4.41575			1
5.53	5.54	5.57	145584.7	6.830651			2
5.68	5.70	5.72	59577.19	3.486992			3
+ 5.68	5.72	5.72	6250.584	0.36584			3
5.75	5.77	5.79	50443.36	11.572345			4
5.90	5.92	5.94	82002.26	11.259735			5
+ 5.90	5.94	5.94	5661.823	0.777425			5
6.10	6.12	6.14	68620.82	1.1194			6

Height Summation: **497262.71**
Amount Avg CF: **6.447479** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.4186	2.907		** 167.83	4	40	
Aroclor-1221			49.4186	2.907		** 46.05	3	5	
Aroclor-1232			49.4186	2.907		** 172.11	4	10	
Aroclor-1242			49.4186	2.907		** 168.00	4	30	
Aroclor-1248			49.4186	2.907		** 170.19	4	40	
Aroclor-1254			49.4186	2.907		** 58.74	4	40	
Aroclor-1260			49.4186	2.907		23.66	4	40	
Aroclor-1262			49.4186	2.907		17.11	4	40	
Aroclor-1268			49.4186	2.907		13.92	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9481690 CAF ACA6304 T 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:49:26 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.018		5613	5153
2.036		4828	3316
2.066		5074	4308
2.092		17265	19479
2.133		551	407
2.148		5417	3747
2.167		2981	1480
2.192		193223	134821
2.247		913	394
2.261		6552	3644
2.283		6920	4928
2.302		1629	817
2.314		748	188
2.343		862	729
2.373		3995	2530
2.394		2005	1265
2.436		1750	2589
2.452		12339	8381
2.49		532	297
2.507		1108	759
2.52		1937	991
2.543		379	301
2.552		685	440
2.578		3484	2032
2.602		971	796
2.628		1687	1117
2.663		1291	1415
2.68		1816	999
2.714		93751	64841
2.763		5863	4248
2.783		156	64
2.797		17019	10896
2.816		181	39
2.822		676	311
2.838		296	52
2.852		567	235
2.865		935	480
2.893		2359	1799
2.908		199	55
2.921		742	298
2.938		3914	2522
2.992	TCX	4456481	2823145
3.046		1429	588
3.058		754	459
3.079		1259	841
3.105		1877	1209
3.121		239	82
3.148		1402	1804
3.176		1612	701
3.192		62216	38889
3.217		207	40
3.226		326	76
3.245		756	373
3.259		2550	1569

RT A	Compound A	Height A	Area A
3.279		798	363
3.305		45290	32070
3.324		7122	3453
3.342		1020	1118
3.368		934	376
3.393		1975	1534
3.424		3354	2855
3.444		1100	480
3.464		2936	1674
3.484		3228	2024
3.514		3351	2529
3.534		816	383
3.555		5089	5874
3.589		1464	832
3.613		2269	1792
3.634		268	244
3.646		501	199
3.66		7001	4287
3.68		2610	1334
3.709		613	298
3.73		4992	4277
3.764		2002	1117
3.783		1337	762
3.808		2679	1954
3.828		1567	1075
3.862		640	685
3.883		483	278
3.915		938	323
3.929		598	313
3.943		1013	466
3.97		2678	2012
3.991		8895	7615
4.022		191	68
4.028		191	55
4.039		1145	663
4.064		3108	2073
4.088		1231	1119
4.113		2229	2684
4.143		962	458
4.168		4956	4203
4.201		2062	1529
4.228		146	179
4.24		1795	1035
4.277		14570	16688
4.317		9601	6965
4.336		1396	693
4.358		3170	2716
4.385		830	379
4.4		1187	792
4.435		12127	12144
4.471		878911	710653
4.508		3068	2043
4.544		1876	1923
4.573		2099	2015
4.613		12501	12439
4.671		7952	6223
4.688		6946	6947
4.732		30088	27118
4.779		27414	20389
4.796		4190	1841
4.817		7762	5537
4.857		100253	108250
4.906		1035	930
4.929		8656	6304
4.947		15431	11890
4.983		6527	4755

RT A	Compound A	Height A	Area A
5.007		20031	16732
5.034		393	124
5.059		104747	88346
5.078		10598	5939
5.111		24846	23903
5.153		53640	54672
5.198		1357	803
5.226		23011	30506
5.268		151927	141829
5.291		5752	2783
5.311		1816	941
5.331		84460	75643
5.375		51623	47198
5.408		5202	3925
5.428		749	324
5.474		9499	10070
5.496		84528	71454
5.555		51341	42690
5.585		218117	213734
5.634		15040	14534
5.678		29978	26556
5.709		1298	1279
5.733		214475	200096
5.756		9655	4429
5.777		7815	8528
5.818		21801	23986
5.844		222	37
5.854		989	591
5.868		195	36
5.898		448	205
5.903		212	41
5.94		152552	148880
5.98		6201	11267
5.994		21090	14891
6.033		4477	4708
6.069		1541	1229
6.104		1251	917
6.128		37564	39779
6.192		40505	34742
6.212		22554	17729
6.283		6345	7736
6.31		2746	1857
6.335		1521	1234
6.369		69595	68846
6.418		4777	5475
6.447		345	105
6.468		8587	7846
6.491		1199	1100
6.523		912	568
6.548		1479	877
6.572		46166	47748
6.618		25856	29622
6.648		184	30
6.654		427	101
6.719	DCB	911909	623066
6.741		10831890	8716339
6.819		32722	31362
6.902		40606	43109
6.929		251	41
6.935		1992	5818

LANCASTER LABORATORIES

Sample Number: 9481690 CAF ACA6304 T 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:49:26 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.011		6001	3040
2.039		6301	4121
2.081		15709	24534
2.118		9248	17380
2.2		32617	34167
2.271		11684	10114
2.3		2373	1983
2.316		3560	2106
2.401		3950	2065
2.457		161021	99786
2.483		14853	19848
2.526		30780	20851
2.582		11696	13070
2.631		11002	18902
2.662		10506	6765
2.686		13088	8809
2.713	TCX	7518702	4644201
2.771		27464	21027
2.81		38050	81217
2.862		22307	36641
2.908		10724	14474
2.935		122646	129955
3.013		6207	12887
3.028		88963	54257
3.054		26643	40490
3.091		22499	9533
3.119		50855	86255
3.153		23625	12172
3.18		42657	38898
3.2		4948	2080
3.216		14167	10246
3.229		4828	4370
3.253		9342	6152
3.27		20921	8721
3.302		51873	88069
3.349		68662	68062
3.389		22591	19428
3.428		40002	48036
3.451		3757	2895
3.459		7445	3329
3.473		12005	13215
3.501		15468	9401
3.522		35950	27301
3.553		12930	14216
3.562		7109	7301
3.593		29380	20099
3.623		67092	81132
3.658		72211	69395
3.707		75560	172576
3.747		4718	1958
3.767		18569	8911
3.784		11104	4642
3.799		19160	9951
3.82		42908	41749

RT B	Compound B	Height B	Area B
3.864		28238	25040
3.884		27545	35037
3.912		7323	2715
3.936		42039	39431
3.965		67390	75103
3.999		64223	50062
4.027		30548	21777
4.059		42654	32011
4.087		27276	16184
4.106		45513	25833
4.136		26799	37020
4.171		22364	19012
4.21		1271944	870491
4.262		46956	86304
4.314		59376	63073
4.368		42744	38695
4.396		95005	81192
4.441		10159	10275
4.456		12392	7533
4.479		111306	111860
4.521		19248	16201
4.541		18756	12917
4.577		53354	51465
4.598		6077	3278
4.619		199825	152490
4.648		8182	3570
4.662		14752	6457
4.73		159083	218035
4.765		5431	2241
4.792		19882	17394
4.82		36651	31514
4.86		165853	152029
4.896		104404	95876
4.933		60537	45042
4.968		7882	4091
4.992		19790	14353
5.015		10936	6174
5.035		24619	17156
5.06		4346	2342
5.089		123864	107253
5.115		33590	23759
5.142		9059	6120
5.165		82701	73311
5.202		31694	22915
5.226		38554	29568
5.253		20268	12859
5.284		295299	234166
5.317		302433	281424
5.363		54236	62433
5.392		3421	1595
5.414		2708	1553
5.425		13612	7833
5.46		33698	46159
5.5		91034	77918
5.523		16052	7189
5.545		145585	165466
5.577		15586	7867
5.599		18728	11095
5.621		23903	15205
5.674		9529	24264
5.698		59577	47797
5.721		6251	3429
5.747		7041	6045
5.767		50443	44117
5.799		7720	4149
5.816		61415	45106

RT B	Compound B	Height B	Area B
5.844		6512	4172
5.871		10666	7373
5.885		23135	14416
5.92		82002	61684
5.94		5662	2555
5.964		14468	11088
5.983		5385	2292
6.018		51180	63400
6.057		12144	13283
6.086		21418	24491
6.123		68621	66110
6.156		11707	7137
6.182		23271	20729
6.219		17056	13514
6.243		11552	6225
6.281	DCB	2991698	2756256
6.341		20982	26591
6.367		5688	5407
6.399		10324	6248
6.449		11793	29225
6.472		242056	164872
6.493		12024410	9109791
6.566		44337	99673
6.616		25000	19523
6.635		14412	10926
6.664		12746	7961
6.683		15077	9409
6.712		221028	294876
6.786		47457	31627
6.804		187063	139690
6.87		27896	24810
6.916		183446	261353
6.944		2739	1653
6.987		27317	30357

9481690 CAF ACA6304 T 180590045A 10225 SW-846 8082

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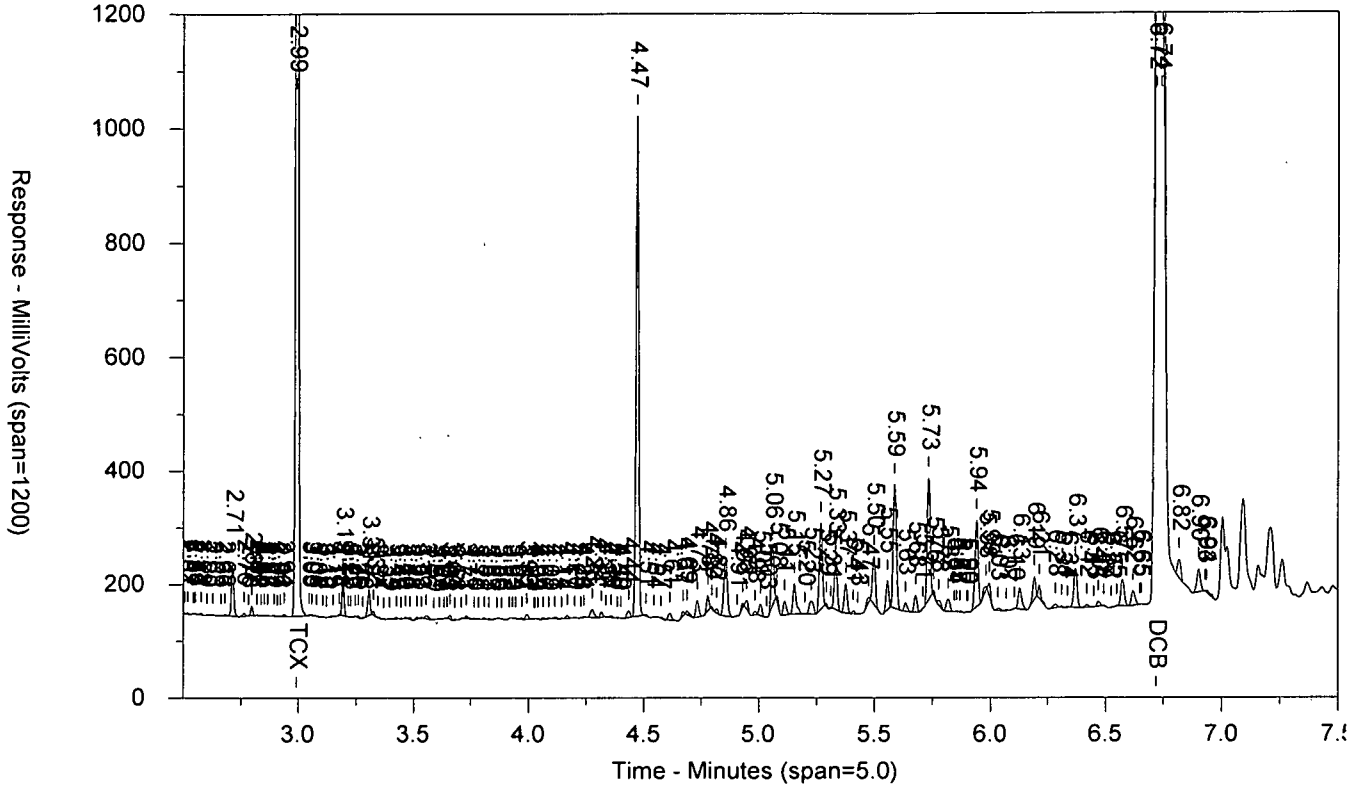

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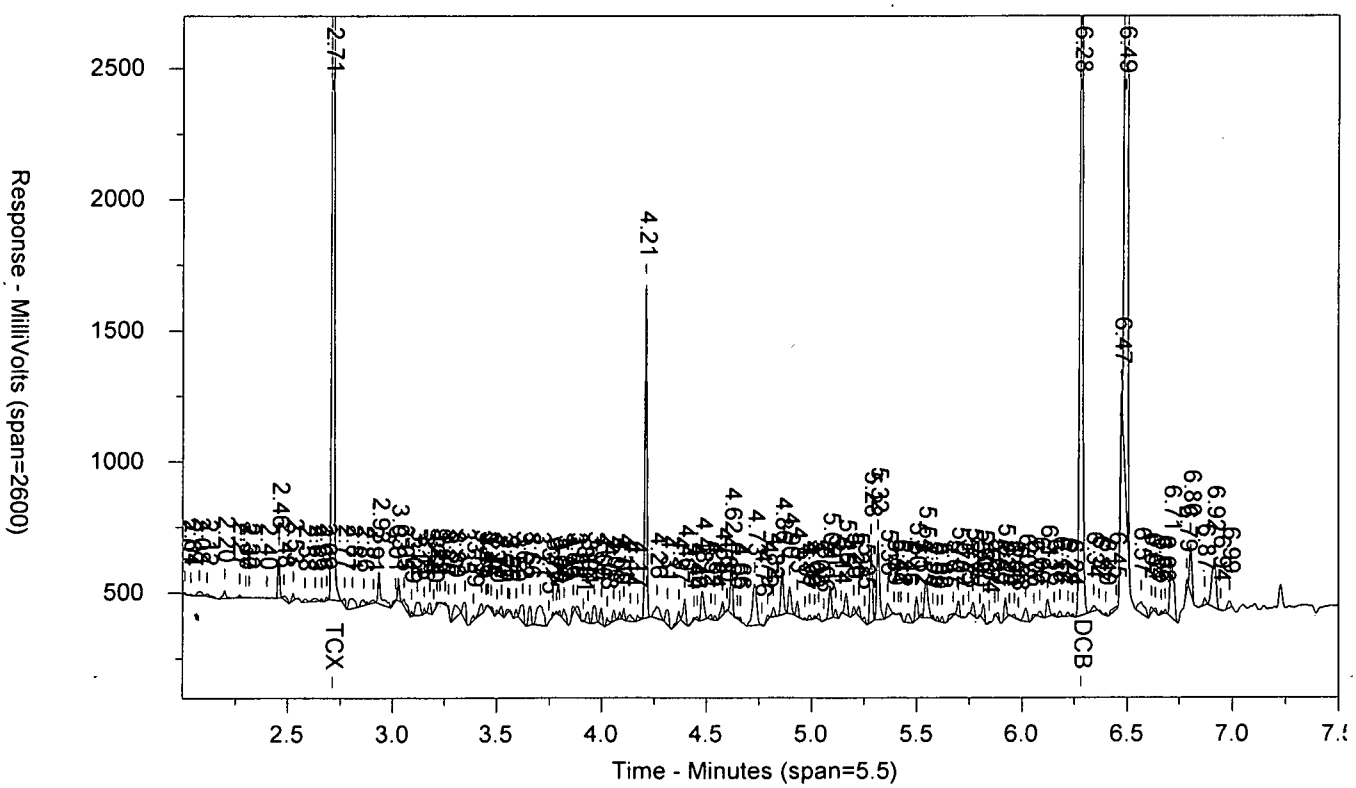

LANCASTER LABORATORIES

Sample Number: 9481690 CAF ACA6304 T 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:49:26 AM Sample Weight: 10.32
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	4456481	28.072	TCX	2.713	7518702	27.597	TCX
6.719	911909	9.366	DCB	6.281	2991698	20.153	DCB

Files:
Area File: 25PCBs18047010.022.RAW
Area File: 25PCBs18047010B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 12:57:56 AM
File Reported On: 3/2/2018 at 9:05:10 AM

9481690 CAF ACA6304 T 180590045A 10225 SW-846 8082

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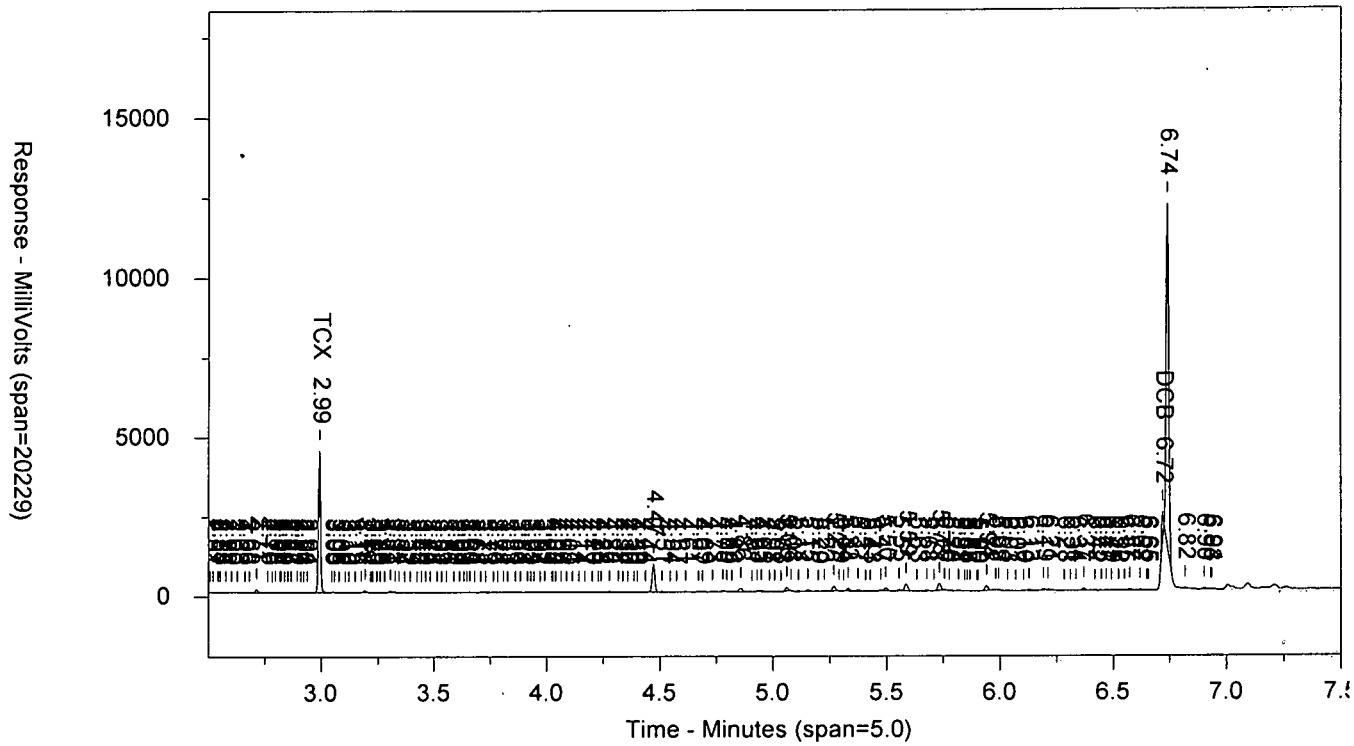

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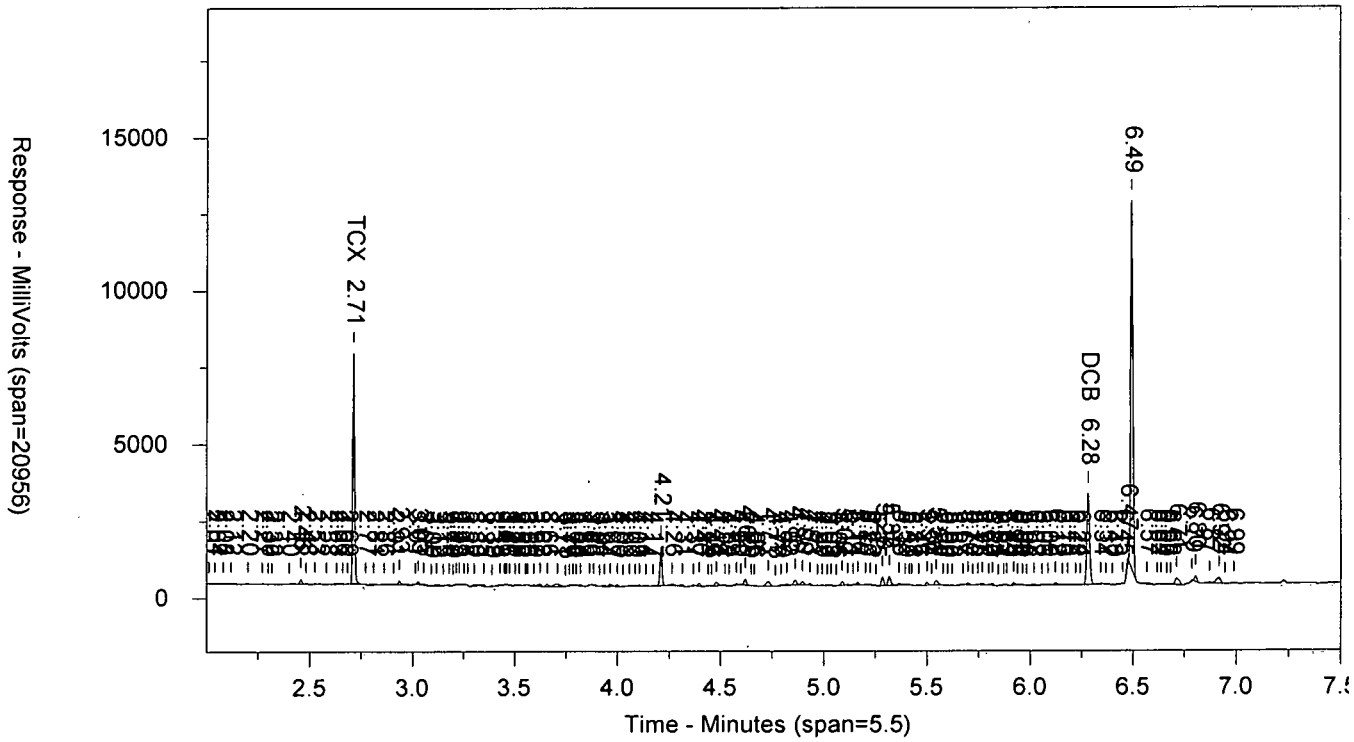

9481690 CAF ACA6304 T 180590045A 10225 SW-846 8082

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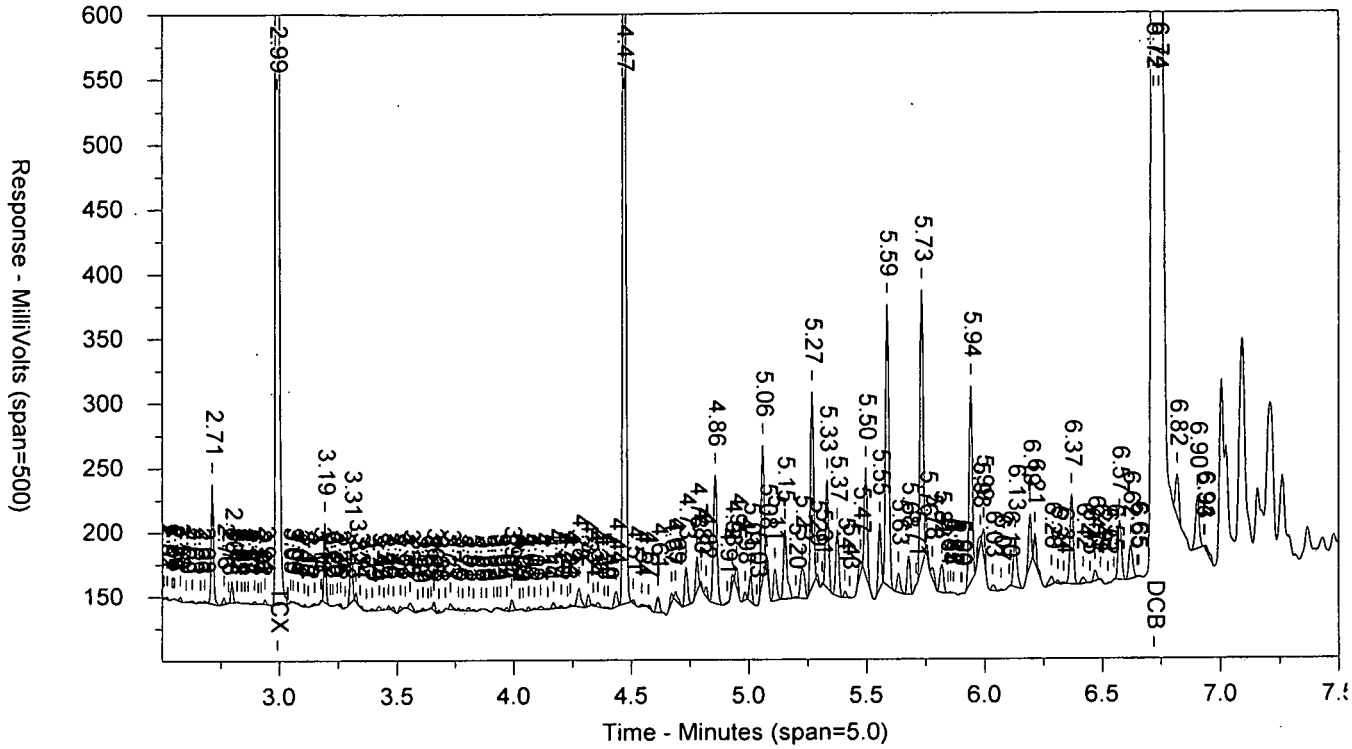

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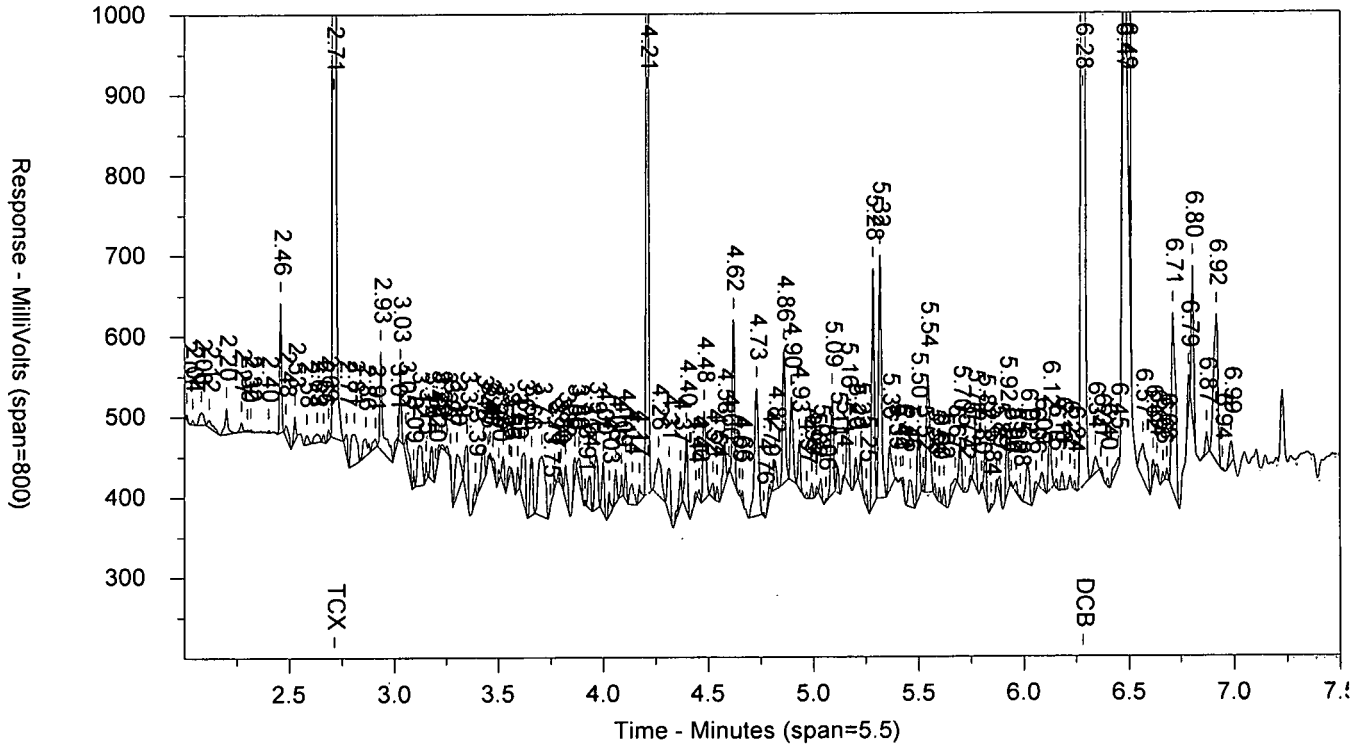

Standards Data

Polychlorinated Biphenyls (PCBs)

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs18047001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 54

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	
5 IBLKX1724B	5	PIBLK	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	184699999	10227
6 EVALX1724B	6	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
7 AR1611724C	7	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	1	184699999	10227
8 AR1621724C	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	2	184699999	10227
9 AR1631724C	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	3	184699999	10227
10 AR1641724C	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	4	184699999	10227
11 AR1651724C	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	5	184699999	10227
12 AR1661724B	12	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	6	184699999	10227
13 AR4811824A	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
14 AR4821824A	14	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
15 AR4831824A	15	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
16 AR4841824A	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
17 AR4851824A	17	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
18 AR4861824A	18	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
19 AR5411724C	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
20 AR5421724C	20	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
21 AR5431724C	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
22 AR5441724C	22	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
23 AR5451724C	23	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
24 AR5461724B	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
25 AR6241724A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
26 AR6841724A	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
27 AR2141724A	27	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
28 AR3241724A	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
29 AR4241824A	29	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
30 AR16XX1724C	30	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
31 MD16X1724C	31	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
32 IC16X1724D	32	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
33 IC48X1824A	33	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
34 IC54X1724B	34	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
35 9427639 RI ACF	35	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	180380033A	10736
36 BLANKA 2/5/18 RI AF	36	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180360012A	
37 LOD 2/5/18 RI AF	37	CRDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180360012A	
38 BLANKA 1/31/18 RI AF	38	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	180310017A	
39 LOD 1/31/18 RI AF	39	CRDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	180310017A	
40 9452198MS RI ACF DF5	40	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	50	1	0	180440006A	10592
41 BLANKA 2/13/18 RI CAF	41	BLK	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180440003A	10591
42 LCSA 2/13/18 RI CAF	42	LCS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180440003A	10591
43 9449620MS RI CAF	43	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	248	2	1	0	180440003A	10591
44 9449621MSD RI CAF	44	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	180440003A	10591
45 AR1641724C	45	CCAL	YH	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
46 IBLKX1724B	46	PIBLK	NO	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	184699999	10227
47 BLANKA 2/14/18 RI CAF	47	BLK	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180450008A	10227
48 LCSA 2/14/18 RI CAF	48	LCS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180450008A	10227
49 LCSDA 2/14/18 RI CAF	49	LCSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180450008A	10227
50 9453368 RI CAF	50	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	180450008A	10227

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs18047001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 54

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9454425 RI CAF	51	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	239	2	1	0	180450008A	10227
52 9454426 RI CAF	52	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	241	2	1	0	180450008A	10227
53 AR1641724C	53	CCAL	YI	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	184699999	10227
54 IBLKX1724B	54	PIBLK	NP	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	184699999	10227

2855, 18 Feb 18

Kirby B. Turner
Chemist

Set-up by: _____ Date: _____

2/16/2018 FEB 16 2018

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBs18047010.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 106

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	
5	AR1641724C	5	CCAL	BS	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
6	IBLKX1724B	6	PIBLK	UY	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
7	BLANK1 2/7/18 RI ACF	7	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15	10	1	0	180380027A	
8	BLANK2 2/7/18 RI ACF	8	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15	10	1	0	180380027A	
9	BLANKA 2/7/18 RI ACF	9	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15	10	1	0	180380027A	
10	MDL1 2/7/18 RI ACF	10	MDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15.2	10	1	0	180380027A	
11	MDL2 2/7/18 RI ACF	11	MDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15.3	10	1	0	180380027A	
12	MDL3 2/7/18 RI ACF	12	MDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15	10	1	0	180380027A	
13	BLANKA 3/1/18 CAF	13	BLK	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	180590045A	10225
14	LCSA 3/1/18 CAF	14	LCS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	180590045A	10225
15	AR1641724C	15	CCAL	BT	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
16	IBLKX1724B	16	PIBLK	UZ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
17	9481687 CAF	17	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.34	10	1	0	180590045A	10225
18	9481688 CAF	18	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.31	10	1	0	180590045A	10225
19	9481688MS CAF	19	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.21	10	1	0	180590045A	10225
20	9481688MSD CAF	20	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	180590045A	10225
21	9481689 CAF	21	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.46	10	1	0	180590045A	10225
22	9481690 CAF	22	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.32	10	1	0	180590045A	10225
23	AR1641724C	23	CCAL	BU	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
24	IBLKX1724B	24	PIBLK	VA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
25	IBLKX1724B	25	PIBLK	VB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
26	AR1641724C	26	CCAL	BV	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
27	BLANKA 2/24/18 CAF	27	BLK	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	1	1	0	180540014A	10227
28	LCSA 2/24/18 CAF	28	LCS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	1	1	0	180540014A	10227
29	LCSDA 2/24/18 CAF	29	LCSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	1	1	0	180540014A	10227
30	9466538 CAF	30	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	242	1	1	0	180540014A	10227
31	9468267 CAF	31	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	1	1	0	180540014A	10227
32	9468921 CAF	32	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	261	1	1	0	180540014A	10227
33	9469174 CAF	33	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	242	1	1	0	180540014A	10227
34	9470021 CAF	34	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	227	1	1	0	180540014A	10227
35	9470025 CAF	35	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	238	1	1	0	180540014A	10227
36	9470027 CAF	36	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	210	1	1	0	180540014A	10227
37	IBLKX1724B	37	PIBLK	VC	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
38	AR1641724C	38	CCAL	BW	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
39	9470029 CAF	39	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	222	1	1	0	180540014A	10227
40	9470031 CAF	40	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	213	1	1	0	180540014A	10227
41	9470033 CAF	41	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	221	1	1	0	180540014A	10227
42	9470035 CAF	42	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	209	1	1	0	180540014A	10227
43	9470063 CAF	43	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	218	1	1	0	180540014A	10227
44	9470965 CAF	44	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	245	1	1	0	180540014A	10227
45	9471106 CAF	45	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	249	1	1	0	180540014A	10227
46	9471107 CAF	46	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	249	1	1	0	180540014A	10227
47	9471534 CAF	47	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	242	1	1	0	180540014A	10227
48	9471535 CAF	48	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	238	1	1	0	180540014A	10227
49	IBLKX1724B	49	PIBLK	VD	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
50	AR1641724C	50	CCAL	BX	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBs18047010.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 106

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 BLANKA 2/26/18 CAF	51	BLK	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180570004A	10591
52 LCSA 2/26/18 CAF	52	LCS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180570004A	10591
53 LCSDA 2/26/18 CAF	53	LCSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180570004A	10591
54 9470478 CAF	54	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	246	2	1	0	180570004A	10591
55 9470479 CAF	55	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	180570004A	10591
56 9470480 CAF	56	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	180570004A	10591
57 9470481 CAF	57	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	251	2	1	0	180570004A	10591
58 9470482 CAF	58	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	246	2	1	0	180570004A	10591
59 9470483 CAF	59	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	247	2	1	0	180570004A	10591
60 9474257 CAF	60	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	248	2	1	0	180570004A	10591
61 IBLKX1724B	61	PIBLK	VE	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
62 AR1641724C	62	CCAL	BY	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
63 9474292 CAF	63	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180570004A	10591
64 BLANKA 2/27/18 CAF	64	BLK	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180580014A	10227
65 LCSA 2/27/18 CAF	65	LCS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180580014A	10227
66 9473425 CAF	66	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	247	2	1	0	180580014A	10227
67 9473426MS CAF	67	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	180580014A	10227
68 9473427MSD CAF	68	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	246	2	1	0	180580014A	10227
69 9473433 CAF	69	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180580014A	10227
70 9473435 CAF	70	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	180580014A	10227
71 9473437 CAF	71	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	244	2	1	0	180580014A	10227
72 9473439 CAF	72	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180580014A	10227
73 IBLKX1724B	73	PIBLK	VF	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
74 AR1641724C	74	CCAL	BZ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
75 9473441 CAF	75	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	251	2	1	0	180580014A	10227
76 9473443 CAF	76	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	180580014A	10227
77 AR4241824A	77	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	180580014A	10227
78 AR4841824A	78	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	180580014A	10227
79 AR5441724C	79	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	180580014A	10227
80 IBLKX1724B	80	PIBLK	VG	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
81 AR1641724C	81	CCAL	CA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
82 BLANKA 2/27/18 ACF	82	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	180580007A	10736
83 LCSA 2/27/18 ACF	83	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	180580007A	10736
84 AR1641724C	84	CCAL	CB	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
85 IBLKX1724B	85	PIBLK	VH	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227
86 9466817 RI ACF	86	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	5	10	1	0	180580007A	10736
87 9466817MS ACF	87	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	5	10	1	0	180580007A	10736
88 9466817MSD ACF	88	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	5	10	1	0	180580007A	10736
89 9466820 RI ACF	89	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	5	10	1	0	180580007A	10736
90 9468922 RI ACF	90	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	10	1	0	180580007A	10736
91 9468979 RI ACF	91	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.48	10	1	0	180580007A	10736
92 9468982 RI ACF	92	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.34	10	1	0	180580007A	10736
93 9468983 RI ACF	93	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	10	1	0	180580007A	10736
94 9468984 RI ACF	94	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.49	10	1	0	180580007A	10736
95 9468985 RI ACF	95	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	10	1	0	180580007A	10736
96 9468986 RI ACF	96	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	180580007A	10736
97 9474754 ACF DF5	97	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	50	1	0	180580007A	10736
98 CONDITIONER	98	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	
99 9474754 ACF DF10	99	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	100	1	0	180580007A	10736
100 CONDITIONER	100	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBs18047010.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 106

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101 9474758 RI ACF	101	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	10	1	0	180580007A	10736
102 CONDITIONER	102	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	
103 9474758 ACF DF5	103	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	50	1	0	180580007A	10736
104 CONDITIONER	104	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	
105 AR1641724C	105	CCAL	CC	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	185999999	10227
106 IBLKX1724B	106	PIBLK	VI	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	185999999	10227

TN 3/2/18

Set-up by: 2855 Date: 1 Mar 18

3/1/2018

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK184699999 10227 SW-846 8082
Injected On: 2/16/2018 2:58:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.004		180	25
2.014		159	44
2.037		9984	8062
2.074		715	581
2.081		456	135
2.102		1457	1218
2.123		191	33
2.149		15350	23403
2.198		261	183
2.239		241	39
2.259		454	166
2.266		197	24
2.282		15879	11896
2.317		320	49
2.322		249	70
2.339		245	140
2.354		163	50
2.374		82338	52438
2.393		3573	1535
2.41		2282	1114
2.435		2012	1630
2.459		215	62
2.471		220	44
2.489		5818	3637
2.503		2025	747
2.521		431	192
2.534		208	37
2.551		762	436
2.569		99	27
2.583		2327	1644
2.602		263	48
2.612		325	151
2.634		935	686
2.659		2201	1760
2.685		337	162
2.708		91	63
2.717		1144	596
2.737		548	287
2.756		645	332
2.769		340	49
2.775		288	50
2.784		437	143
2.79		258	43
2.806		147	33
2.837		43558	44300
2.893		5188	4170
2.924		159	39
2.935		737	347
2.967		231	48
2.992	TCX	3270364	2140887
3.042		1659	796
3.067		158	25
3.078		3637	2153
3.094		404	115

RT A	Compound A	Height A	Area A
3.112		348	125
3.132		227	74
3.14		283	55
3.154		215	152
3.193		43365	28603
3.23		210	35
3.26		5841	5197
3.297		273	100
3.306		162	27
3.325		7491	4956
3.345		297	74
3.355		185	56
3.375		119	20
3.379		321	196
3.407		323	92
3.417		199	53
3.424		214	36
3.438		253	43
3.447		326	97
3.465		807	702
3.488		194	42
3.498		228	80
3.505		285	153
3.524		232	70
3.534		372	156
3.554		119	20
3.561		388	177
3.582		218	108
3.6		4518	3612
3.622		137	21
3.64		7357	4822
3.665		149	32
3.672		322	66
3.681		231	36
3.697		1109	676
3.72		124	14
3.737		4672	3821
3.762		222	62
3.768		169	28
3.778		144	51
3.782		296	138
3.803		383	128
3.81		230	45
3.824		485	267
3.843		543	335
3.86		376	53
3.875		314	67
3.889		313	171
3.907		292	80
3.926		5382	5105
3.95		294	75
3.973		388	109
3.984		309	58
4.007		443	237
4.034		208	82
4.044		196	78
4.059		273	111
4.067		207	52
4.083		362	121
4.092		190	30
4.111		295	96
4.128		263	57
4.138		175	35
4.144		391	131
4.166		221	52
4.18		189	39

RT A	Compound A	Height A	Area A
4.19		260	91
4.206		171	50
4.224		266	85
4.235		134	21
4.26		1737	1624
4.273		1804	1011
4.291		383	196
4.312		353	188
4.336		434	1000
4.382		1551	1383
4.407		316	80
4.415		295	48
4.43		192	48
4.438		171	31
4.45		240	41
4.472		566	390
4.486		248	65
4.498		452	232
4.538		255	121
4.55		322	87
4.557		136	20
4.567		193	64
4.576		189	43
4.604		6159	7470
4.642		139	54
4.669		2121	2004
4.701		106	21
4.723		138	28
4.73		178	47
4.746		405	272
4.763		157	20
4.768		248	39
4.781		234	42
4.789		288	133
4.802		269	66
4.809		243	66
4.82		410	228
4.833		260	47
4.839		345	87
4.846		148	28
4.854		215	45
4.877		56	68
4.881		175	25
4.889		308	148
4.905		245	57
4.913		231	38
4.922		238	63
4.933		154	26
4.961		2582	2354
4.982		6906	6927
5.018		240	41
5.029		200	58
5.047		206	46
5.054		224	48
5.063		288	71
5.075		200	53
5.105		1047	940
5.121		224	33
5.142		671	328
5.175		266	130
5.202		276	63
5.223		14686	13372
5.251		453	174
5.284		244	48
5.311		6758	8960
5.344		180	54

RT A	Compound A	Height A	Area A
5.357		123	40
5.37		356	125
5.379		125	32
5.384		199	110
5.407		200	26
5.412		188	30
5.424		173	43
5.431		162	22
5.44		162	36
5.458		87	65
5.465		201	73
5.477		277	184
5.511		533	300
5.521		265	74
5.526		410	93
5.539		455	167
5.553		772	497
5.571		226	72
5.587		272	32
5.593		622	107
5.603		56	56
5.634		17717	23468
5.679		260	35
5.703		384	255
5.711		166	25
5.724		227	49
5.755		21195	21048
5.787		329	99
5.812		256	93
5.823		190	37
5.83		269	67
5.846		534	342
5.862		725	366
5.891		280	114
5.902		325	160
5.908		271	68
5.92		209	60
5.944		4988	6321
5.972		153	19
5.979		173	70
5.987		181	37
5.992		388	82
6.004		292	52
6.024		288	107
6.029		424	300
6.047		312	77
6.079		204	28
6.084		201	38
6.091		262	51
6.097		327	69
6.125		28349	28150
6.151		164	32
6.157		380	163
6.189		25578	21216
6.21		2784	2336
6.274		258	151
6.282		192	48
6.293		205	104
6.299		173	32
6.312		267	112
6.318		293	123
6.331		217	43
6.34		226	51
6.35		207	114
6.362		300	100
6.378		151	45

RT A	Compound A	Height A	Area A
6.383		173	49
6.391		470	88
6.401		312	95
6.408		363	67
6.415		182	36
6.42		198	34
6.444		638	637
6.45		406	93
6.467		353	91
6.477		129	31
6.496		3458	4370
6.524		177	34
6.532		192	48
6.542		519	199
6.569		19916	21555
6.609		194	33
6.621		318	47
6.63		230	85
6.639		193	25
6.643		315	51
6.65		173	34
6.654		243	37
6.659		255	37
6.669		131	66
6.683		386	208
6.717	DCB	1930582	2217390
6.894		439	121
6.901		307	51
6.923		529	380
6.944		409	215
6.975		313	135
6.986		219	54
6.997		212	80

LANCASTER LABORATORIES

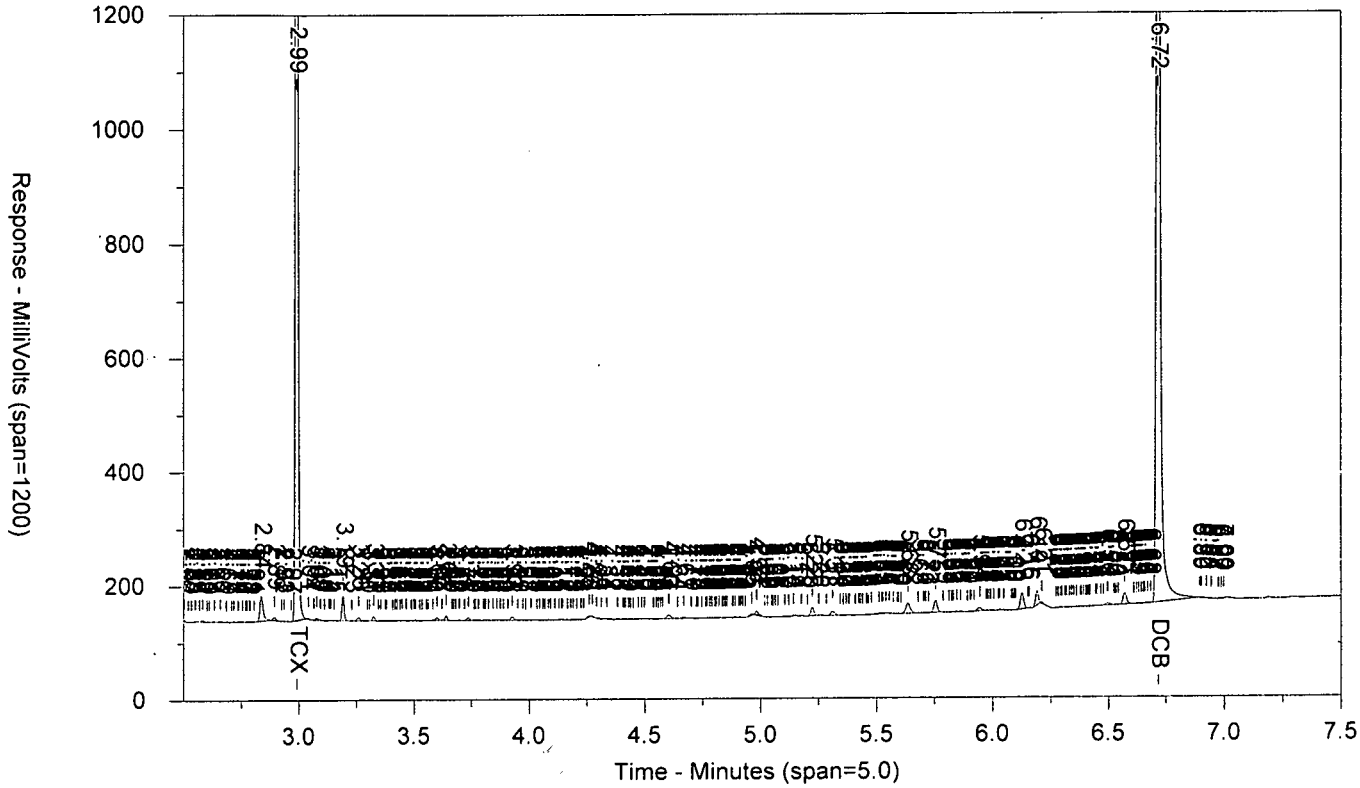
Sample Number: IBLKX1724B AAPIBLKAA PIBLK184699999 10227 SW-846 8082
Injected On: 2/16/2018 2:58:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		11367	1389
2.077		36397	55304
2.141		18403	31812
2.204		12679	32944
2.239		7298	4783
2.294		4335	12756
2.325		9174	7647
2.459		4999	7594
2.57		34716	69708
2.616		25615	43926
2.638		96204	89333
2.69		2288	1379
2.715	TCX	5536617	3413739
2.802		8492	6280
2.877		3904	6662
2.936		79645	58862
3.022		1322	1785
3.055		14669	8939
3.079		918	263
3.085		999	267
3.104		925	579
3.121		451	79
3.132		682	208
3.14		577	161
3.15		920	273
3.163		693	253
3.174		395	153
3.178		2193	1293
3.209		1677	2097
3.214		580	154
3.223		594	93
3.233		518	139
3.246		701	626
3.283		3962	3573
3.309		1423	851
3.325		445	128
3.333		780	225
3.349		792	305
3.366		952	432
3.385		1030	242
3.403		14233	8947
3.431		9002	10642
3.474		2220	2113
3.48		651	113
3.487		1264	268
3.517		2082	1108
3.531		1166	379
3.557		1693	645
3.58		434	120
3.589		793	189
3.597		1058	352
3.608		838	271
3.618		529	129
3.632		519	90

RT B	Compound B	Height B	Area B
3.642		1279	624
3.658		1376	718
3.675		1322	501
3.695		627	287
3.699		1903	2577
3.73		1359	892
3.739		1060	397
3.746		1212	216
3.752		942	230
3.764		1146	321
3.769		793	272
3.786		925	140
3.832		4192	9474
3.9		1522	949
4.005		3728	5585
4.075		15389	14666
4.154		1133	460
4.215		8160	21432
4.28		3097	3748
4.296		3824	3461
4.338		2120	2784
4.394		1983	4990
4.47		8978	8405
4.561		1557	1370
4.596		15370	13581
4.639		1323	861
4.661		1206	1639
4.726		2409	2222
4.75		1618	1428
4.802		5159	4103
4.832		17141	12752
4.866		1959	2445
4.935		1404	1812
5.022		2472	3456
5.099		5126	10028
5.159		2473	2412
5.237		19341	17243
5.275		1342	852
5.322		1121	621
5.358		31579	38341
5.459		3315	7671
5.548		5366	6320
5.592		982	424
5.638		1500	1416
5.698		39347	35371
5.736		2382	2386
5.767		42754	37153
5.814		13290	11730
5.854		1503	946
5.936		2738	5120
5.992		1256	1528
6.032		1039	542
6.121		32475	29012
6.245		1133	1633
6.281	DCB	2821918	2732699
6.467		1347	885
6.613		1579	2732
6.732		4118	3538
6.758		1119	857
6.871		1116	562
6.886		943	2773
6.968		1319	1457

IBLKX1724B AAPIBLKAA PIBLK184699999 10227 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs18047001.005.RAW



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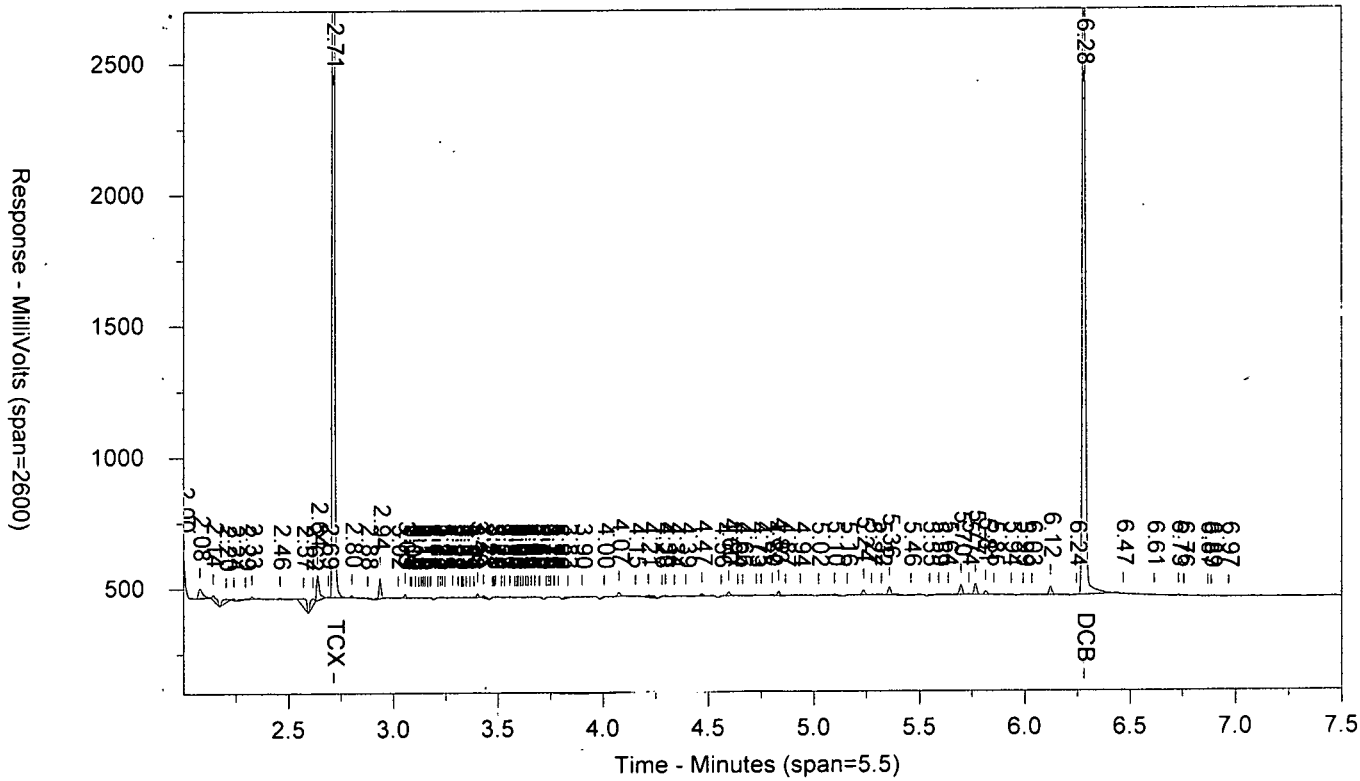

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK184699999 10227 SW-846 8082
Injected On: 2/16/2018 2:58:58 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	3270364	.213	TCX	2.715	5536617	.21	TCX
6.717	1930582	.205	DCB	6.281	2821918	.196	DCB

Files:
Area File: 25pcbs18047001.005.RAW
Area File: 25pcbs18047001B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 3:07:31 PM
File Reported On: 2/18/2018 at 1:48:15 PM

IBLKX1724B AAPIBLKAA PIBLK184699999 10227 SW-846 8082

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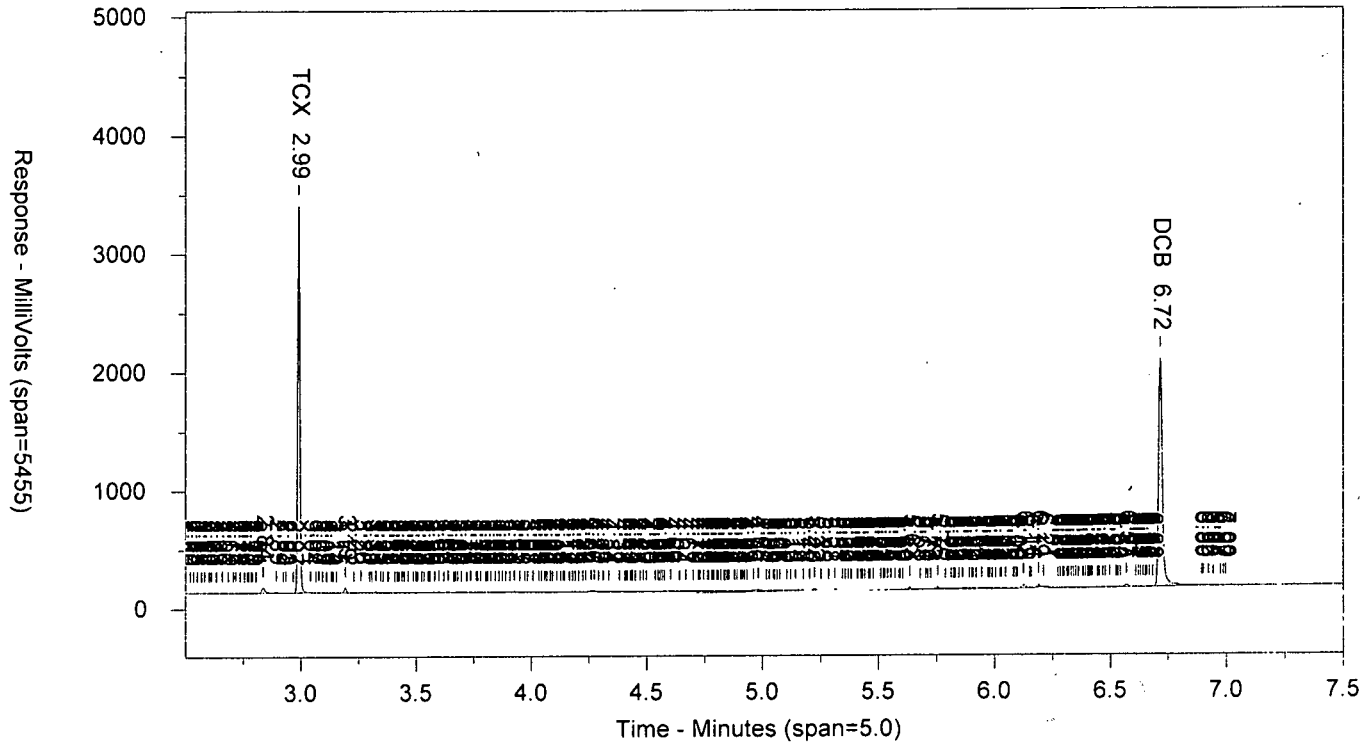

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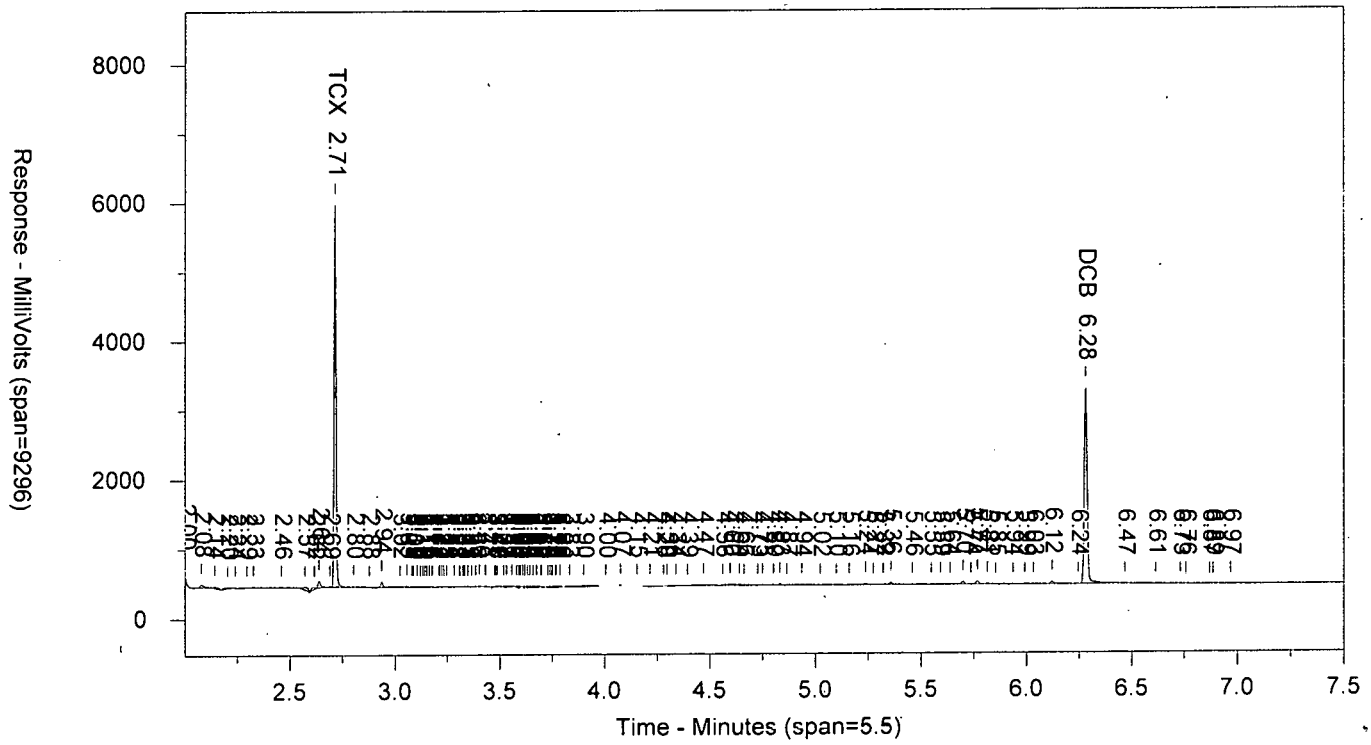

IBLKX1724B AAPIBLKAA PIBLK184699999 10227 SW-846 8082

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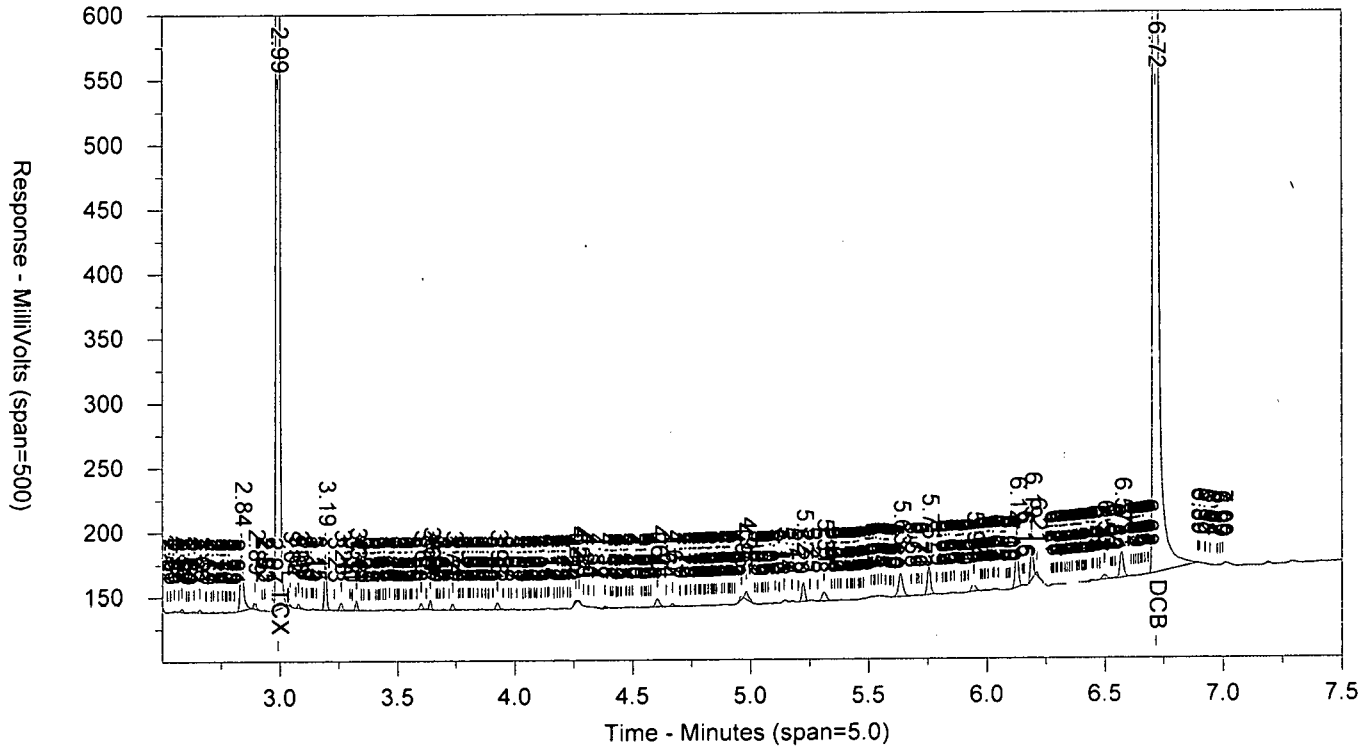

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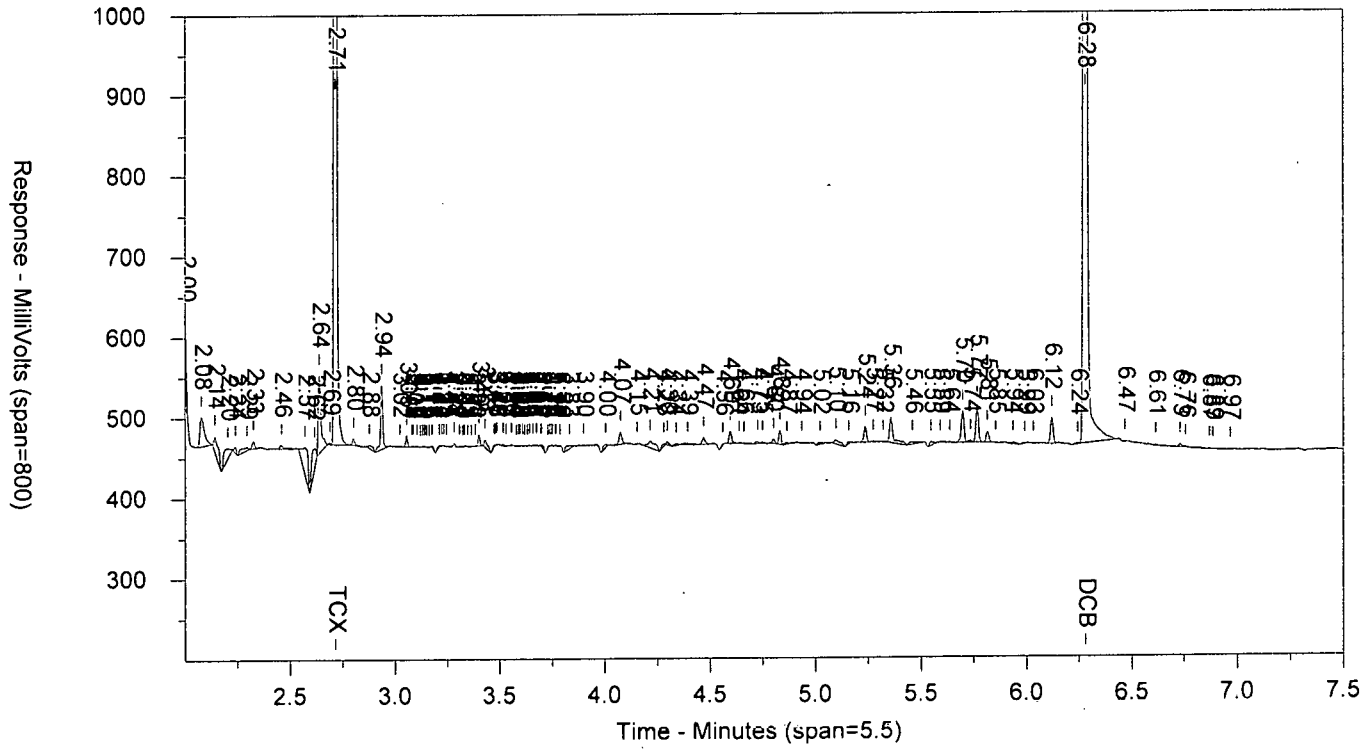

LANCASTER LABORATORIES

Sample Number: EVALX1724B AAEVALXAA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:10:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.008		237	44
2.015		317	127
2.037		6918	5627
2.062		353	74
2.075		1069	823
2.099		186	70
2.114		234	74
2.153		6120	8312
2.186		7297	4577
2.219		431	348
2.252		257	40
2.264		1298	635
2.283		13896	9269
2.303		328	105
2.321		294	133
2.343		300	125
2.375		22835	14102
2.4		35663	23586
2.435		1797	1697
2.455		320	89
2.463		213	26
2.474		153	28
2.491		4392	3057
2.51		854	552
2.547		258	154
2.554		155	21
2.573		52741	34193
2.613		1526	973
2.631		1032	712
2.658		191	40
2.667		415	195
2.689		303	132
2.705		128	40
2.717		1026	587
2.74		504	225
2.753		220	80
2.773		460	231
2.78		174	56
2.786		270	141
2.803		266	51
2.809		278	85
2.816		151	32
2.838		26116	24047
2.874		249	103
2.896		3270	2746
2.925		227	33
2.933		528	176
2.942		375	113
2.956		131	22
2.967		361	94
2.993	TCX	3051328	2024779
3.048		125	25
3.057		2451	1409
3.072		209	28

RT A	Compound A	Height A	Area A
3.077		648	339
3.093		428	242
3.11		374	155
3.139		512	425
3.159		752	454
3.194		39684	26677
3.222		1610	1015
3.244		176	33
3.28		1937926	1219409
3.327		6955	4535
3.36		356	183
3.384		10652	7202
3.407		109	19
3.423		983	588
3.443		272	80
3.449		308	83
3.482		1554942	969806
3.514		24597	16258
3.537		358	143
3.566		29353	20215
3.603		624673	415174
3.643		6445	4125
3.661		410	203
3.685		403	108
3.704		1548	1333
3.741		10346	10018
3.778		64953	48393
3.804		5275	5763
3.842		426	138
3.854		395	139
3.893		112243	88522
3.925		15928	13913
3.953		2284	1456
3.971		176	40
3.978		385	95
4.009		2670	2083
4.027		200	36
4.035		236	50
4.043		455	168
4.056		217	60
4.061		355	101
4.077		582	283
4.102		448	296
4.109		376	63
4.118		210	88
4.144		39858	30165
4.175		16801	15018
4.228		4586	3877
4.261		83791	69481
4.297		11162	6472
4.314		40793	27810
4.359		2891	2381
4.386		182	60
4.392		411	252
4.416		610	256
4.429		244	56
4.453		519	733
4.478		287691	273146
4.563		2930	2271
4.603		18602	21953
4.646		34578	28571
4.673		62000	49127
4.725		264	41
4.748		5594	5699
4.805		201324	219881
4.885		184	63

RT A	Compound A	Height A	Area A
4.909		201008	201556
4.951		2489602	2210074
4.981		36541	21378
5.001		36757	25803
5.028		830	350
5.056		585501	593867
5.114		184	26
5.145		139139	189727
5.216		531038	561626
5.292		2771499	2719004
5.374		10649	7868
5.394		18562	13335
5.455		355	175
5.472		807	597
5.515		206918	276016
5.567		2786	1616
5.592		6049	3623
5.618		8373	4975
5.654		2689821	2752617
5.712		93527	83380
5.749		846980	872049
5.912		483	176
5.94		546	310
5.944		864	341
5.979		273	39
5.985		306	96
5.994		406	290
6.028		329	78
6.05		383	194
6.078		519	243
6.103		142	48
6.128		26230	26625
6.164		334	75
6.171		170	26
6.194		23694	20638
6.216		2736	1544
6.273		171	101
6.287		288	98
6.294		385	89
6.302		250	42
6.31		239	49
6.314		232	63
6.326		265	75
6.336		346	129
6.344		223	42
6.365		334	76
6.373		584	275
6.389		305	44
6.395		253	50
6.403		313	81
6.417		532	244
6.426		234	58
6.437		272	53
6.446		300	116
6.478		151	76
6.502		2103	2442
6.522		343	71
6.533		584	165
6.54		246	89
6.573		21952	22444
6.613		402	66
6.619		359	104
6.628		285	39
6.64		233	120
6.653		302	97
6.671		186	104

RT A	Compound A	Height A	Area A
6.676		250	37
6.683		189	23
6.721	DCB	1954247	2154240
6.831		361	1052
6.874		385	144
6.884		268	39
6.908		192	37
6.913		315	273
6.941		348	88
6.959		313	107
6.972		311	44
6.983		322	92
6.987		213	35
6.992		171	26

LANCASTER LABORATORIES

Sample Number: EVALX1724B AAEVALXAA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:10:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		5565	1174
2.08		15799	26179
2.142		12424	12469
2.209		2087	4521
2.242		69340	40104
2.294		3942	7335
2.325		5378	5430
2.364		2999	4128
2.413		99902	60482
2.462		3690	3254
2.571		6938	12219
2.61		8794	12912
2.64		54494	52582
2.715	TCX	5295826	3235397
2.802		1783	873
2.881		2616	2400
2.899		7367	3973
2.937		74921	51723
2.991		5464	4557
3.036		1003	805
3.065		3072488	1744309
3.133		659	104
3.157		1175	330
3.169		1030	401
3.185		19884	10711
3.206		893	387
3.224		41884	27259
3.262		20752	9332
3.279		2348071	1345732
3.309		3066	1417
3.335		1010	301
3.352		4807	3371
3.378		4948	4118
3.405		8042	4538
3.434		12072	9735
3.461		956955	583078
3.485		1331	344
3.494		1282	741
3.519		9862	5719
3.551		10295	7374
3.569		11747	5253
3.588		273772	180883
3.62		22854	13353
3.641		903	379
3.664		14341	9776
3.685		4052	2102
3.702		6193	5140
3.741		9248	9065
3.768		1733	2311
3.792		4572	2578
3.824		1717	2949
3.877		2837	1676
3.895		113335	88968
3.925		56062	33537

RT B	Compound B	Height B	Area B
3.954		2136	1763
3.97		50959	30958
3.99		72987	44756
4.016		11918	11402
4.046		1017	643
4.076		17572	16381
4.131		504185	366219
4.164		2087	1749
4.207		9583	18217
4.293		99514	95520
4.343		12349	11450
4.397		73561	80308
4.456		2588	1853
4.519		385997	308932
4.552		4357	2529
4.589		3815830	3066579
4.626		156406	120929
4.681		933244	779830
4.726		14395	13174
4.749		10314	6593
4.794		126299	111835
4.833		18089	14752
4.867		4673252	3827287
4.931		715804	617685
4.962		4450	3009
5.002		3536	3011
5.041		32654	26571
5.08		75309	67839
5.159		3119	3578
5.199		858867	758956
5.239		27294	22044
5.303		4736101	3973197
5.359		44330	35906
5.382		20397	14012
5.488		1499233	1299540
5.541		32490	26733
5.701		39577	33726
5.769		42954	37325
5.819		13494	11595
5.881		1317	844
5.923		2788	5137
5.982		816	364
6.122		33225	28368
6.155		1833	798
6.236		1208	603
6.283	DCB	2896005	2686539
6.53		1192	833
6.737		3213	6896
6.851		3003	3413
6.888		1390	383
6.907		1301	1654
6.988		1471	1365

EVALX1724B AAEVALXAA ICAL 184699999 10227 SW-846 8082

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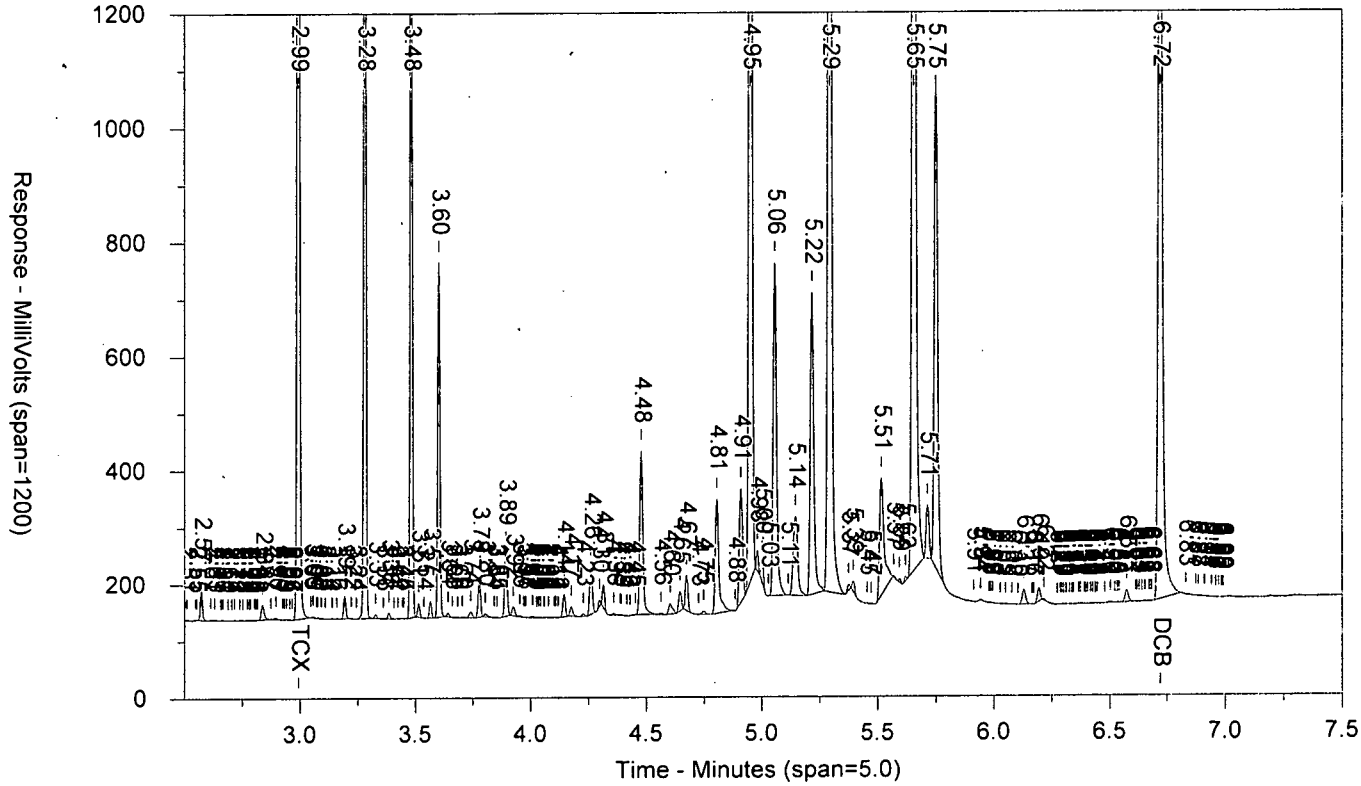

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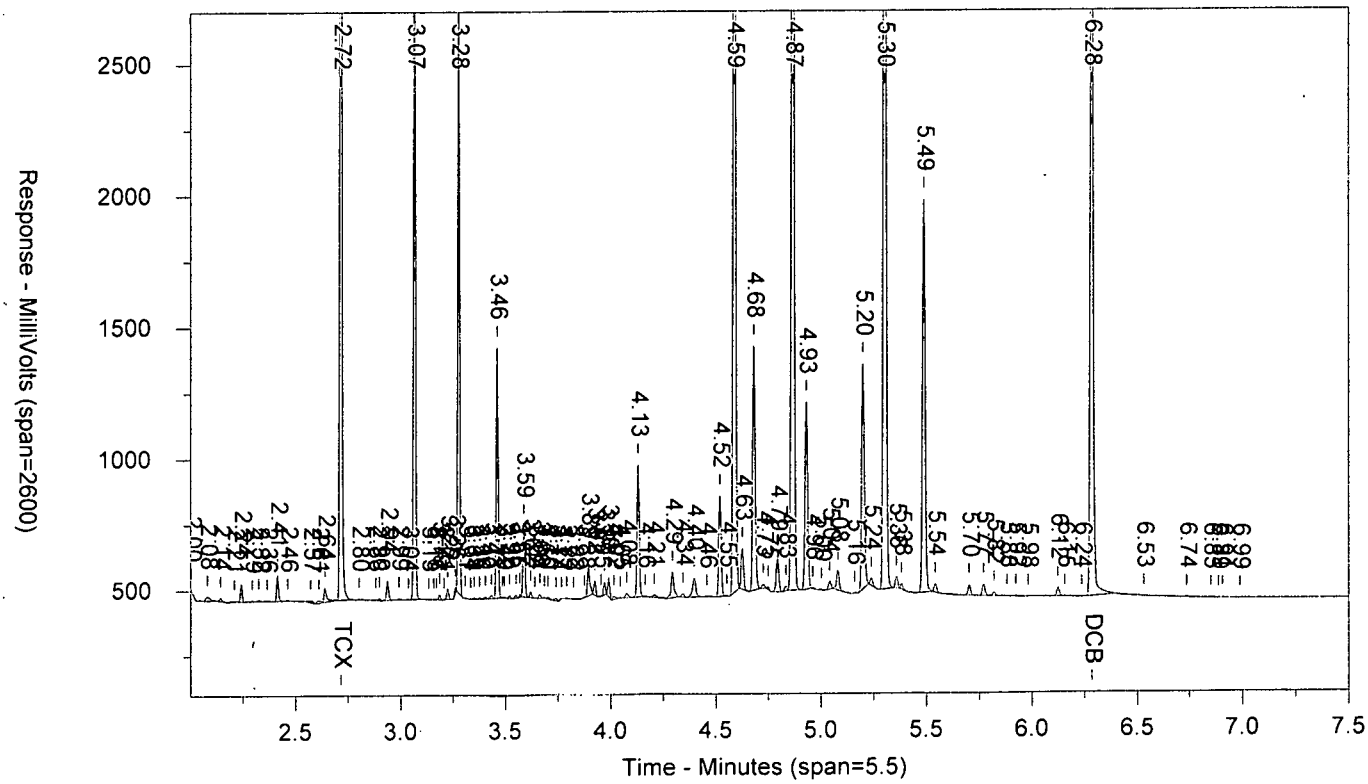

LANCASTER LABORATORIES

Sample Number: EVALX1724B AAEVALXAA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:10:18 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	3051328	19.836	TCX	2.715	5295826	20.06	TCX
6.721	1954247	20.713	DCB	6.283	2896005	20.132	DCB

Files:
Area File: 25pcbs18047001.006.RAW
Area File: 25pcbs18047001B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 3:18:49 PM
File Reported On: 2/18/2018 at 1:48:33 PM

EVALX1724B AAEVALXAA ICAL 184699999 10227 SW-846 8082

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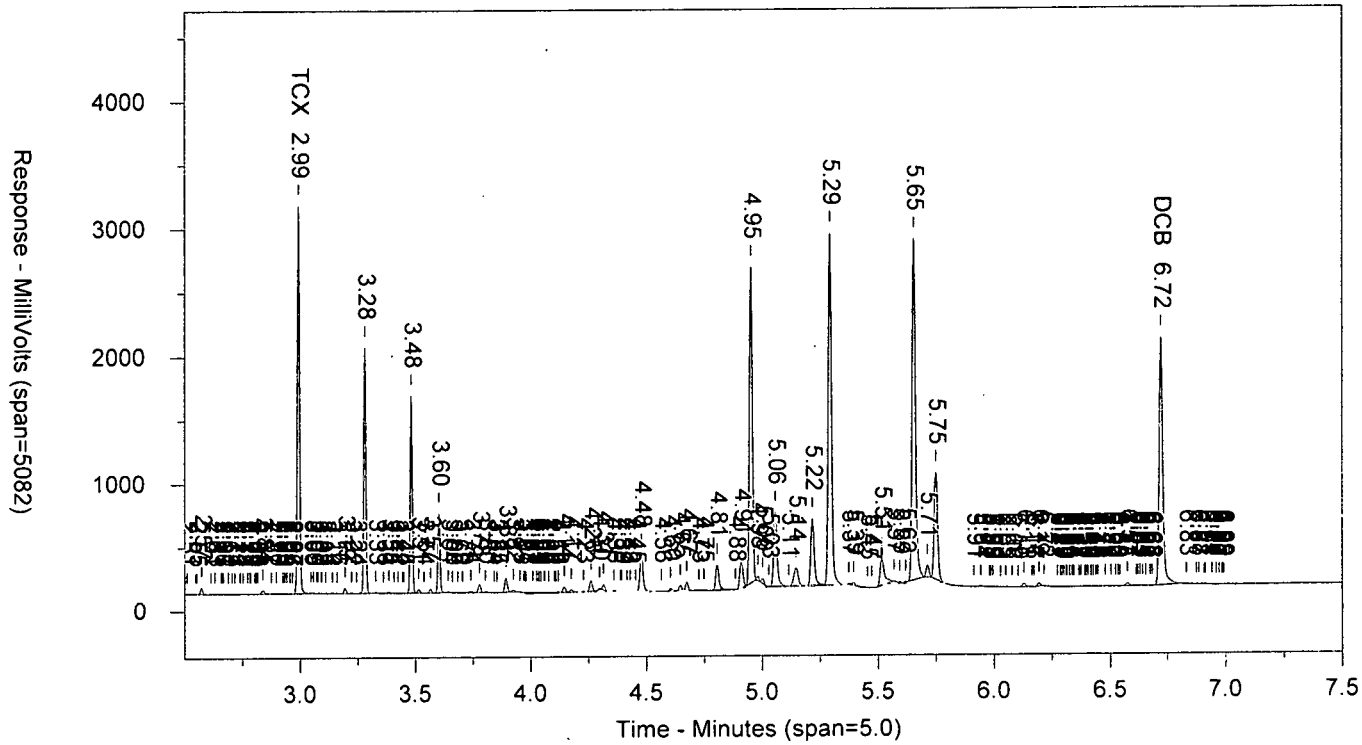

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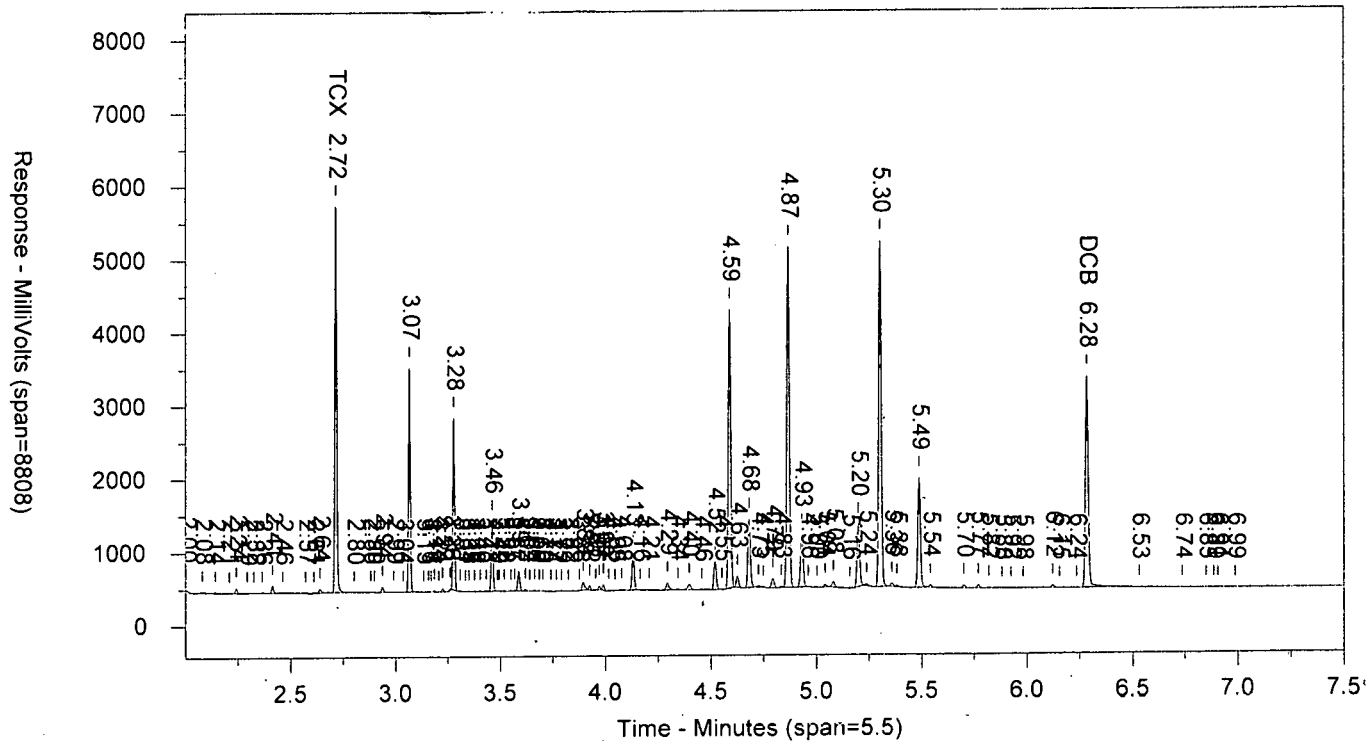

EVALX1724B AAEVALXAA ICAL 184699999 10227 SW-846 8082

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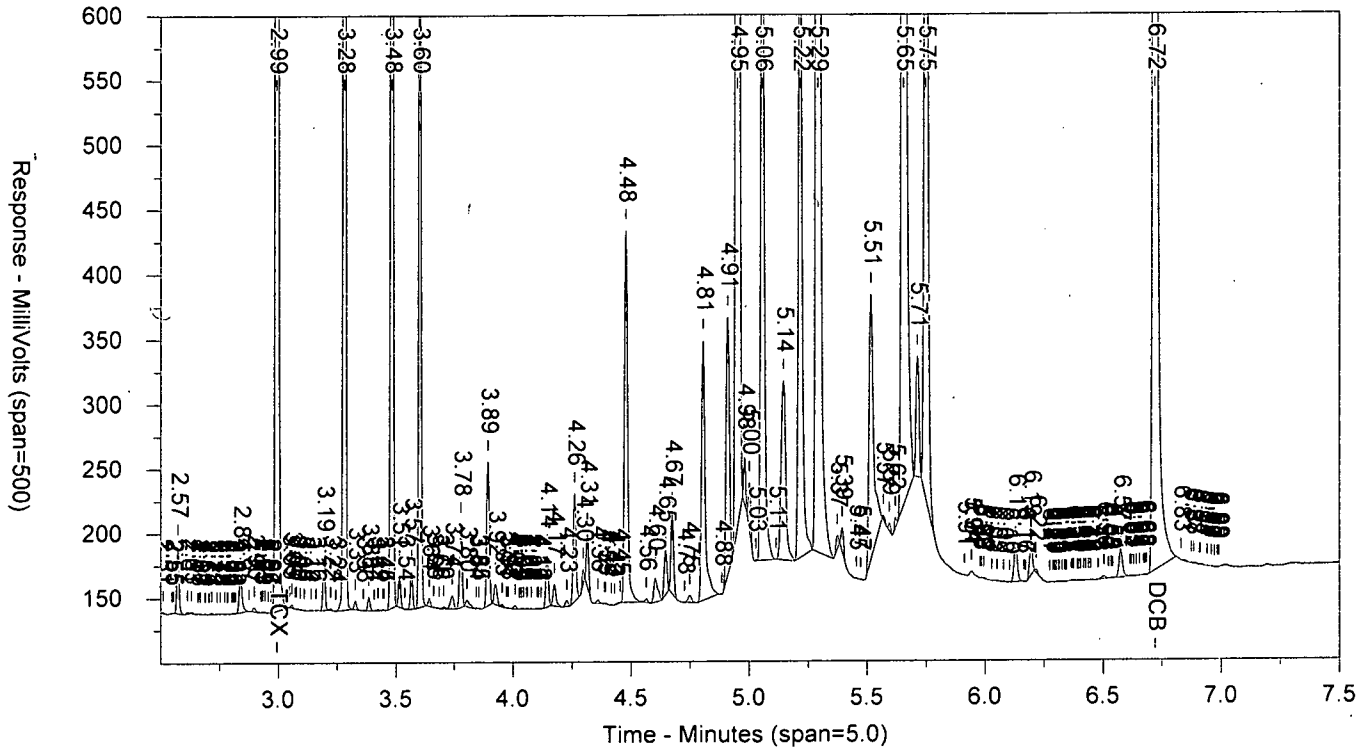

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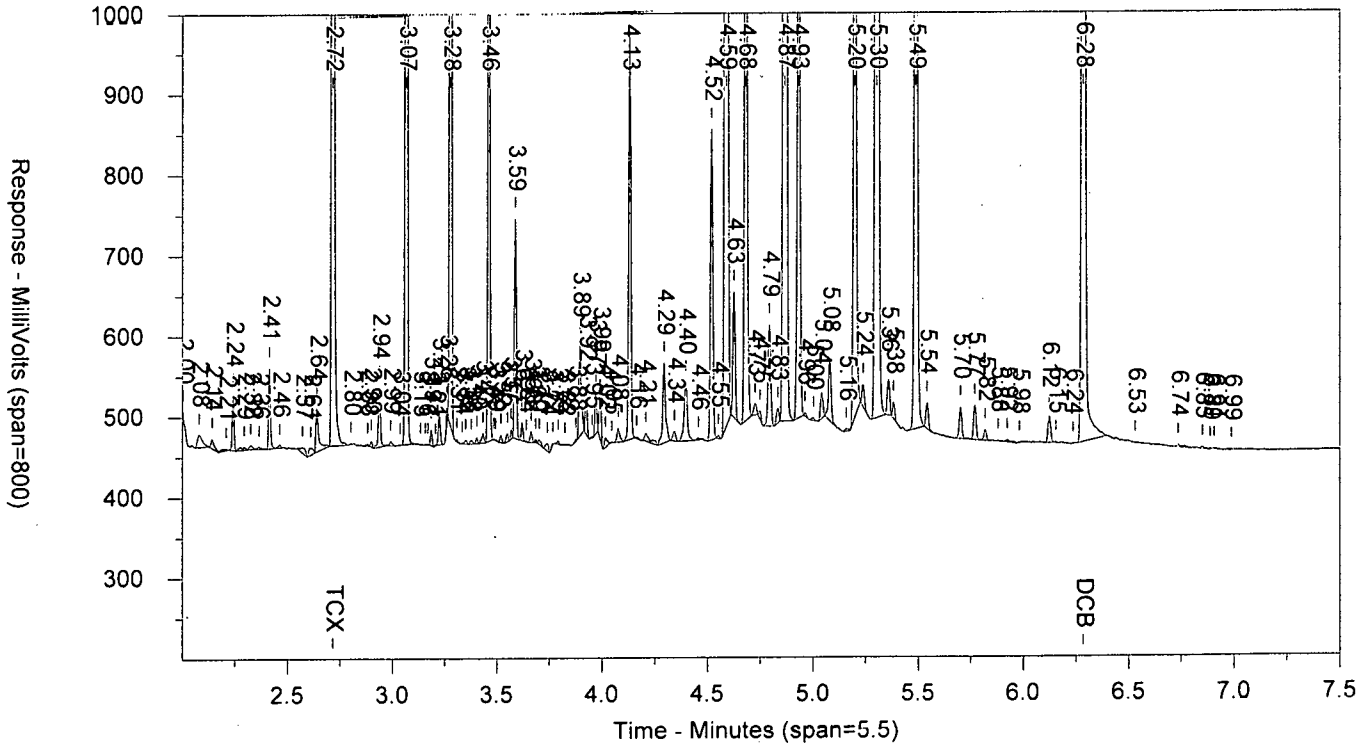

LANCASTER LABORATORIES

Sample Number: AR1611724C AAAR161AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:22:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.01		224	60
2.038		10167	8515
2.062		309	44
2.074		609	228
2.083		323	95
2.09		324	111
2.106		407	349
2.127		184	44
2.151		7693	12634
2.202		315	88
2.218		403	348
2.263		654	379
2.285		1241	799
2.306		682	443
2.335		171	36
2.34		181	24
2.348		442	102
2.355		361	122
2.376		16462	10464
2.398		366	42
2.406		147	10
2.416		284	90
2.435		507	211
2.44		420	128
2.492		6705	5323
2.523		253	126
2.543		226	47
2.554		806	578
2.571		416	221
2.59		418	121
2.599		230	30
2.615		334	216
2.634		1956	1461
2.653		204	31
2.659		296	93
2.676		214	62
2.686		143	23
2.714		117	14
2.721		393	142
2.741		875	735
2.761		170	28
2.769		341	79
2.782		387	121
2.812		136	83
2.816		229	41
2.839		26998	25126
2.874		258	91
2.895		4304	4167
2.925		401	72
2.93		243	41
2.949		338	101
2.955		321	60
2.964		362	64
2.994	TCX	308435	211932

RT A	Compound A	Height A	Area A
3.039		355	94
3.059		820	500
3.082		314	152
3.106		130	19
3.113		130	31
3.118		193	61
3.146		13879	12217
3.172		218	78
3.182		350	68
3.204		16207	13156
3.253		78328	57140
3.301		179	83
3.308		320	60
3.314		160	21
3.32		305	65
3.331		432	198
3.348		9368	6376
3.377		193	36
3.389		343	64
3.419		116	63
3.433		117	110
3.44		128	26
3.447		262	68
3.471		81780	49511
3.488		40629	20472
3.525		8531	5010
3.542		3002	1253
3.558		4353	2632
3.589		94097	74543
3.64		514	303
3.664		3664	2427
3.701		19597	11119
3.716		9603	4722
3.761		46169	24115
3.772		85458	43453
3.81		97964	76648
3.844		183	39
3.871		82430	64866
3.913		5686	3388
3.939		72241	55248
3.968		44695	38427
3.99		14485	7261
4.03		326	109
4.044		280	84
4.067		71168	49430
4.092		23371	15400
4.124		26127	18688
4.16		62400	65895
4.201		20843	16318
4.228		144	23
4.268		12996	23544
4.323		67987	49250
4.343		14333	8502
4.368		15836	11884
4.436		9252	7799
4.48		67936	60340
4.513		2040	1479
4.547		289	90
4.552		224	36
4.558		205	24
4.563		165	22
4.575		163	44
4.583		279	119
4.617		25116	36049
4.676		5302	3773
4.692		17107	11675

RT A	Compound A	Height A	Area A
4.739		37485	34346
4.786		64596	69579
4.824		14129	10114
4.863		138368	140230
4.959		32269	56159
5.013		22687	20007
5.067		111144	93024
5.084		14744	7034
5.117		31482	27414
5.159		71398	81517
5.2		754	362
5.239		13276	15402
5.275		156941	148930
5.301		884	580
5.314		6697	3828
5.337		82382	74792
5.381		56787	53886
5.44		251	80
5.449		408	68
5.48		7409	8588
5.503		94428	93116
5.559		51126	48031
5.599		22970	20070
5.642		27403	36547
5.684		29311	28932
5.739		217172	291503
5.873		428	219
5.886		282	77
5.895		538	107
5.902		145	14
5.946		154620	177423
5.991		1021	5141
5.997		12798	9601
6.08		298	43
6.091		179	131
6.108		254	50
6.115		167	35
6.133		5330	5455
6.174		38	27
6.195		3796	2620
6.221		36711	56376
6.283		383	68
6.29		528	131
6.308		176	50
6.316		307	70
6.334		366	225
6.347		241	40
6.377		62241	69979
6.422		2896	2444
6.443		363	90
6.456		303	126
6.472		99	17
6.502		17415	27559
6.54		330	106
6.559		195	31
6.579		17838	18496
6.612		242	38
6.618		148	23
6.627		267	85
6.65		124	43
6.66		455	109
6.669		351	80
6.677		312	110
6.697		284	77
6.728	DCB	205575	220480
6.76		6409	6526

RT A	Compound A	Height A	Area A
6.799		238	36
6.805		450	56
6.812		199	57
6.822		451	175
6.833		164	36
6.839		231	52
6.844		255	29
6.848		323	52
6.858		345	79
6.869		204	59
6.882		246	59
6.893		311	121
6.908		461	353
6.926		303	66
6.934		282	45
6.941		282	92
6.955		343	71
6.961		285	123
6.976		331	123
6.987		330	70

LANCASTER LABORATORIES

Sample Number: AR1611724C AAAR161AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:22:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		4217	1034
2.08		18499	44322
2.271		3224	4478
2.299		1618	1500
2.325		4420	4040
2.362		1791	957
2.458		1520	986
2.508		2184	2411
2.569		5740	15582
2.62		12391	24491
2.64		59130	56636
2.716	TCX	516755	328329
2.759		11674	8712
2.888		32854	26366
2.937		3246	4429
2.95		24866	13698
3.003		133972	86707
3.081		780	238
3.09		1244	433
3.116		16176	10592
3.146		1382	1237
3.176		7858	8780
3.214		114731	59771
3.225		35670	15574
3.267		17813	11258
3.289		10050	5816
3.316		11781	6324
3.339		149806	103831
3.377		8237	4868
3.407		1420	907
3.423		35753	18639
3.439		27164	19070
3.491		83227	42892
3.502		145465	66369
3.522		7233	2452
3.536		144878	103686
3.578		368	100
3.595		1261	226
3.613		153027	100192
3.647		110565	70452
3.672		120380	70369
3.691		40512	33735
3.746		5897	11147
3.779		132041	90821
3.803		50835	28290
3.825		46369	28867
3.857		31180	16322
3.874		99870	65426
3.919		37116	29360
3.967		18597	22920
3.992		7130	4020
4.013		141889	101308
4.039		28507	17800
4.06		3218	1582

RT B	Compound B	Height B	Area B
4.079		30194	22536
4.116		107800	79900
4.153		5307	3328
4.169		8895	5051
4.219		9599	31935
4.289		5903	11809
4.327		27342	20457
4.373		29670	17813
4.391		21873	10836
4.404		67225	41397
4.432		43090	43811
4.485		225005	185006
4.529		18744	18902
4.561		19265	14537
4.583		54875	40219
4.627		262065	218511
4.668		1067	471
4.734		211642	207570
4.791		27150	23044
4.828		65376	53847
4.867		256402	233545
4.9		124142	94556
4.94		88843	73138
5.001		1347	977
5.044		31826	33187
5.097		162733	134810
5.12		29095	24531
5.171		101153	103455
5.207		43919	33904
5.236		29733	26104
5.268		10740	6244
5.29		340378	297387
5.331		7845	6183
5.364		16536	13309
5.394		6745	23410
5.457		4045	5932
5.484		2947	2117
5.504		81821	68752
5.549		246804	271203
5.635		1496	405
5.668		2938	14304
5.748		11984	21624
5.772		6721	5343
5.821		46700	40561
5.854		1242	1565
5.926		103978	90149
5.955		8984	6297
6.007		6421	17280
6.039		1552	1617
6.126		31337	27775
6.184		2065	8952
6.249		4919	9423
6.288	DCB	328061	306432
6.402		1187	1164
6.478		2601	1466
6.49		1135	1313
6.531		1215	631
6.575		1173	560
6.773		3343	16049
6.819		1562	1097
6.857		1051	450
6.944		1809	2030

AR1611724C AAAR161AA ICAL 184699999 10227 SW-846 8082

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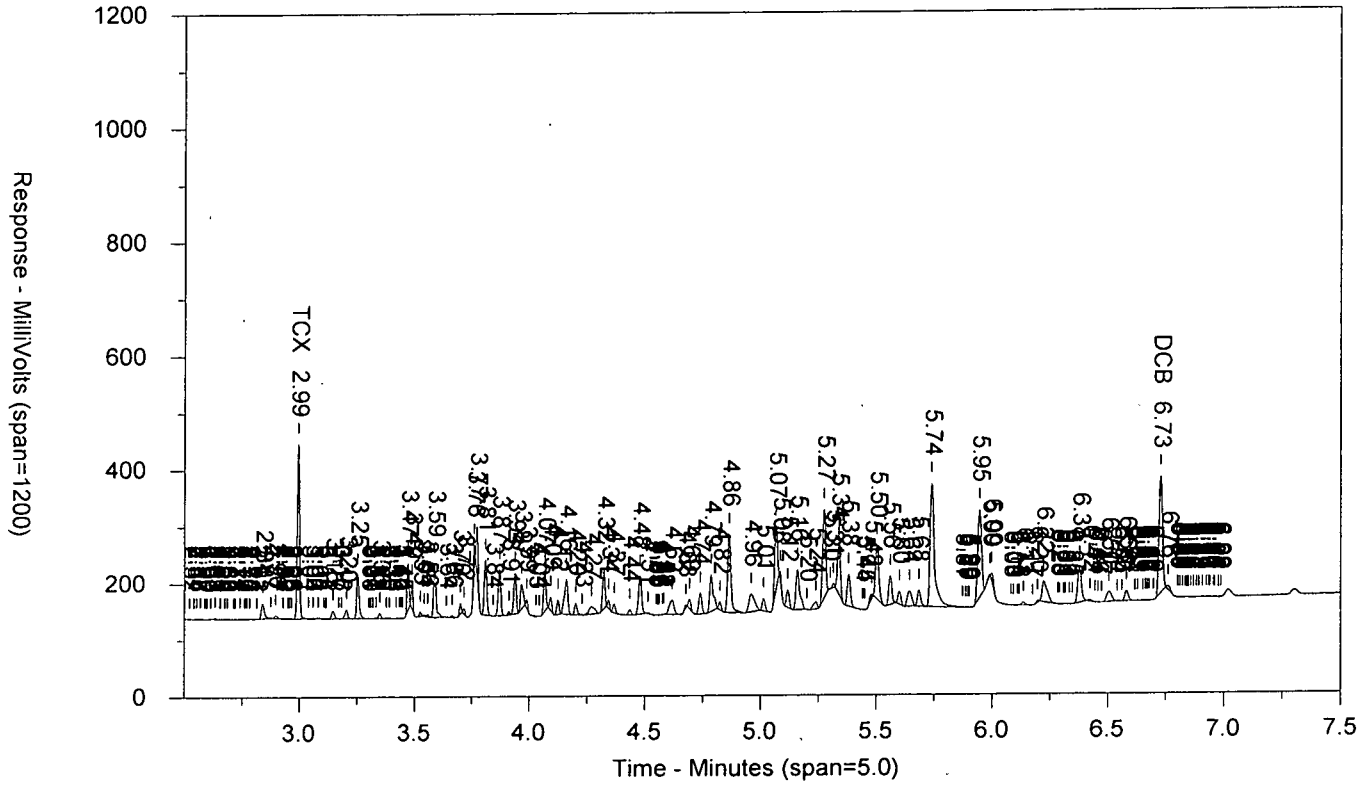

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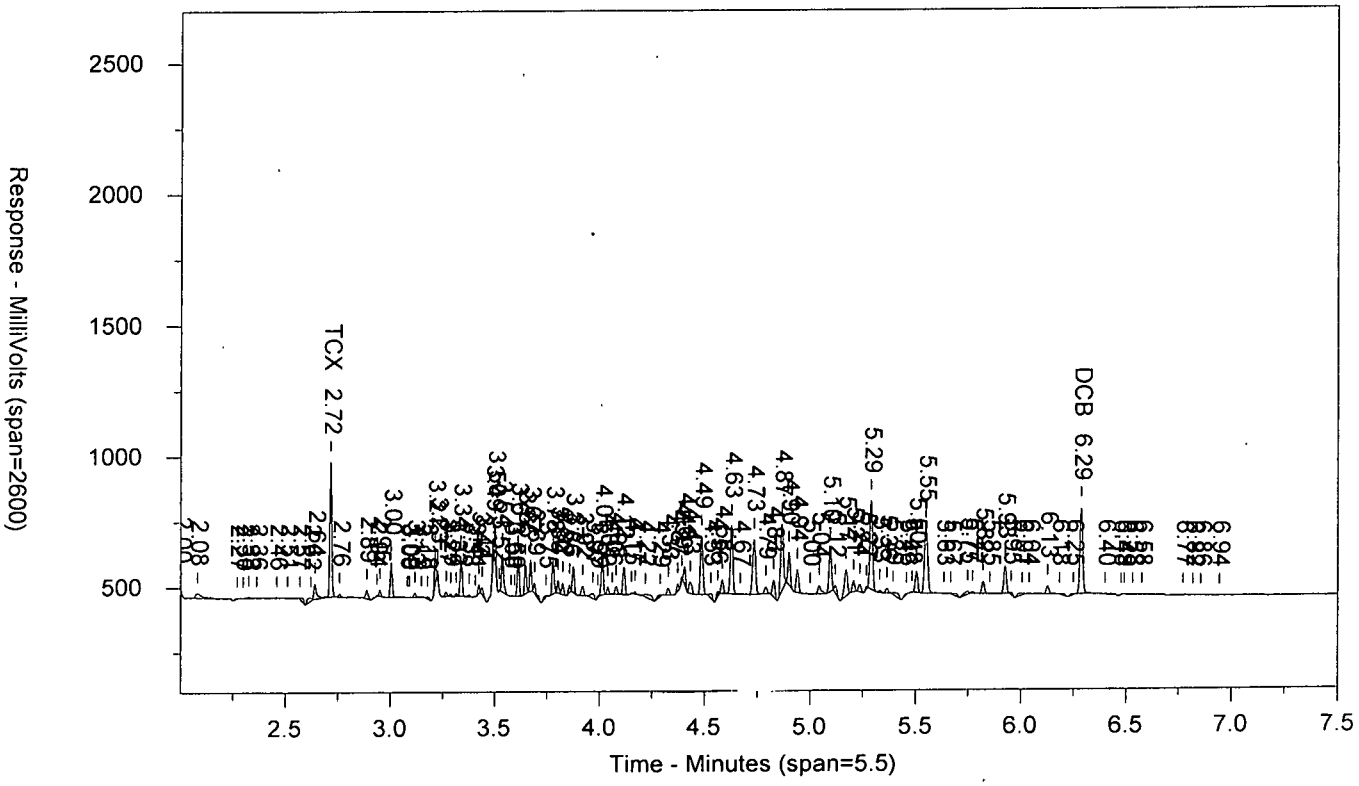

LANCASTER LABORATORIES

Sample Number: AR1611724C AAAR161AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:22:03 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.994	308435	2.117	TCX	2.716	516755	2.059	TCX
6.728	205575	2.485	DCB	6.288	328061	2.715	DCB

Files:
Area File: 25pcbs18047001.007.RAW
Area File: 25pcbs18047001B.007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 3:30:34 PM
File Reported On: 2/16/2018 at 3:30:50 PM

AR1611724C AAAR161AA ICAL 184699999 10227 SW-846 8082

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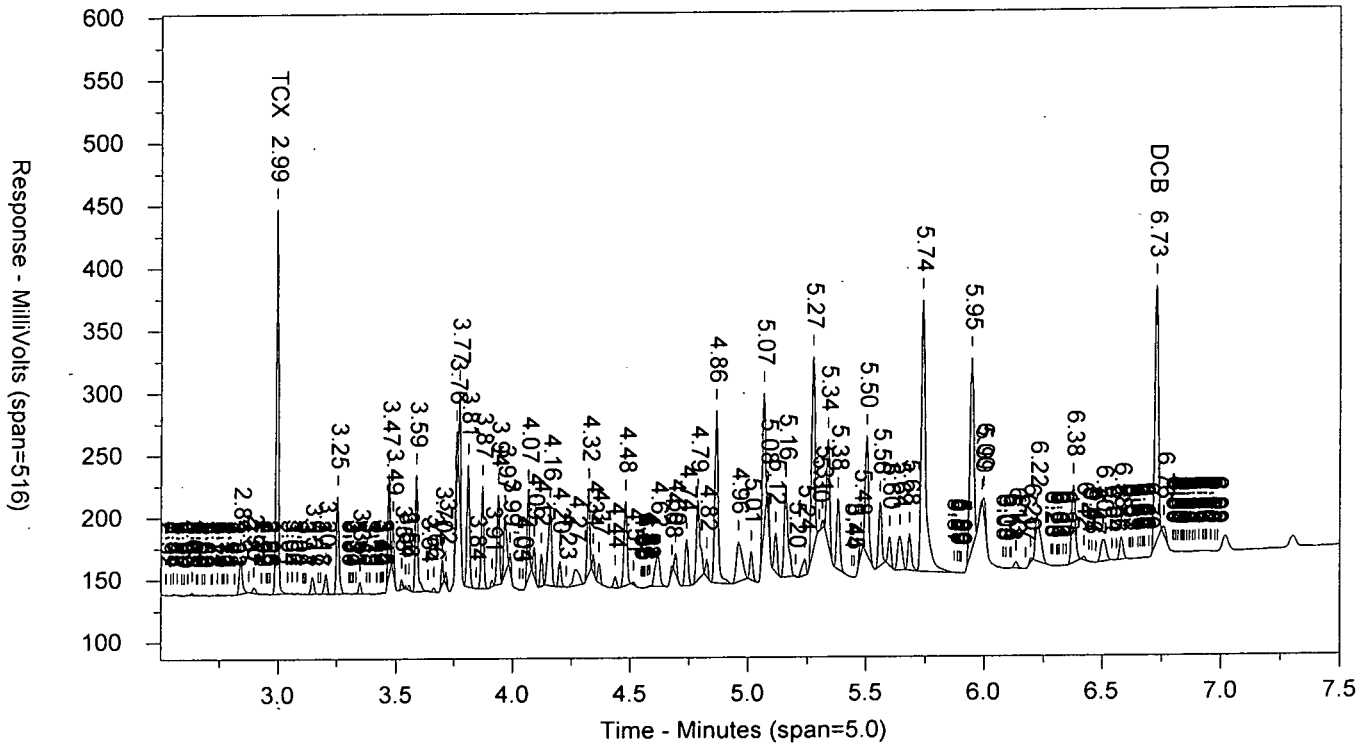

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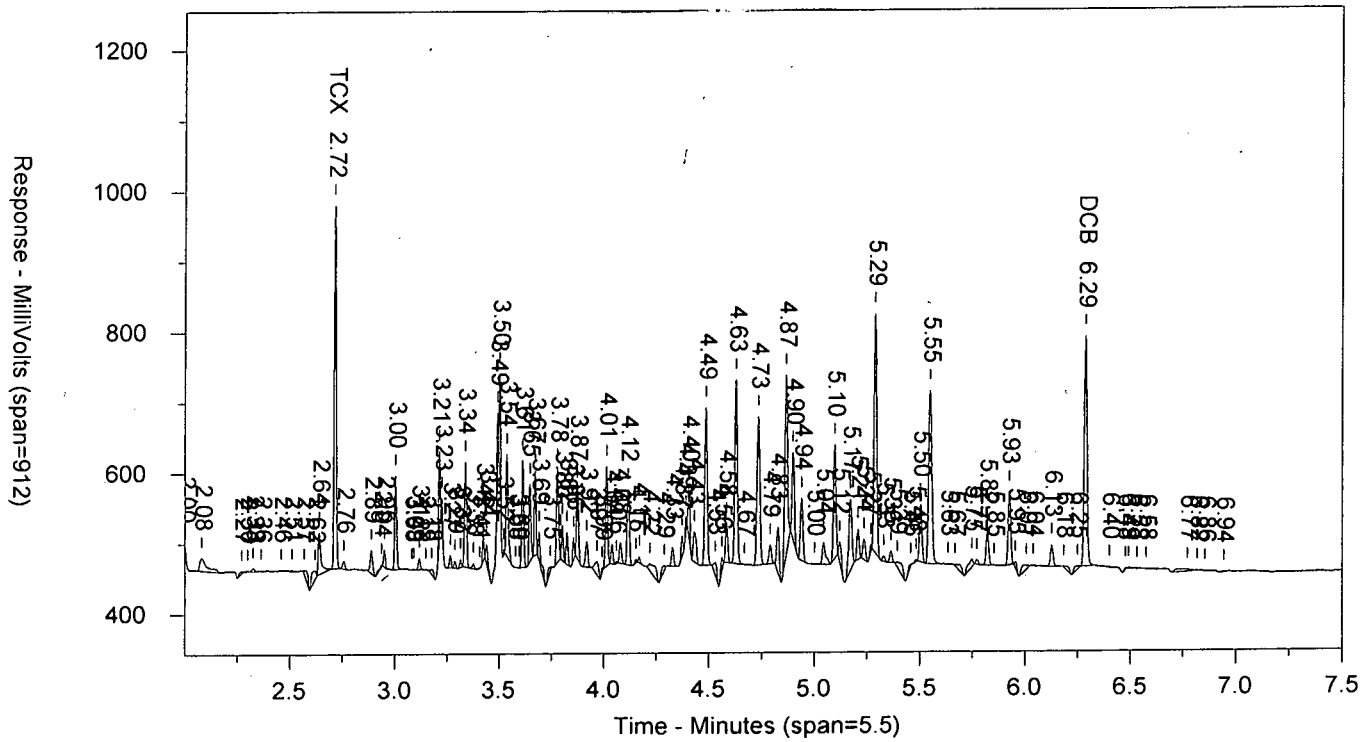

AR1611724C AAAR161AA ICAL 184699999 10227 SW-846 8082

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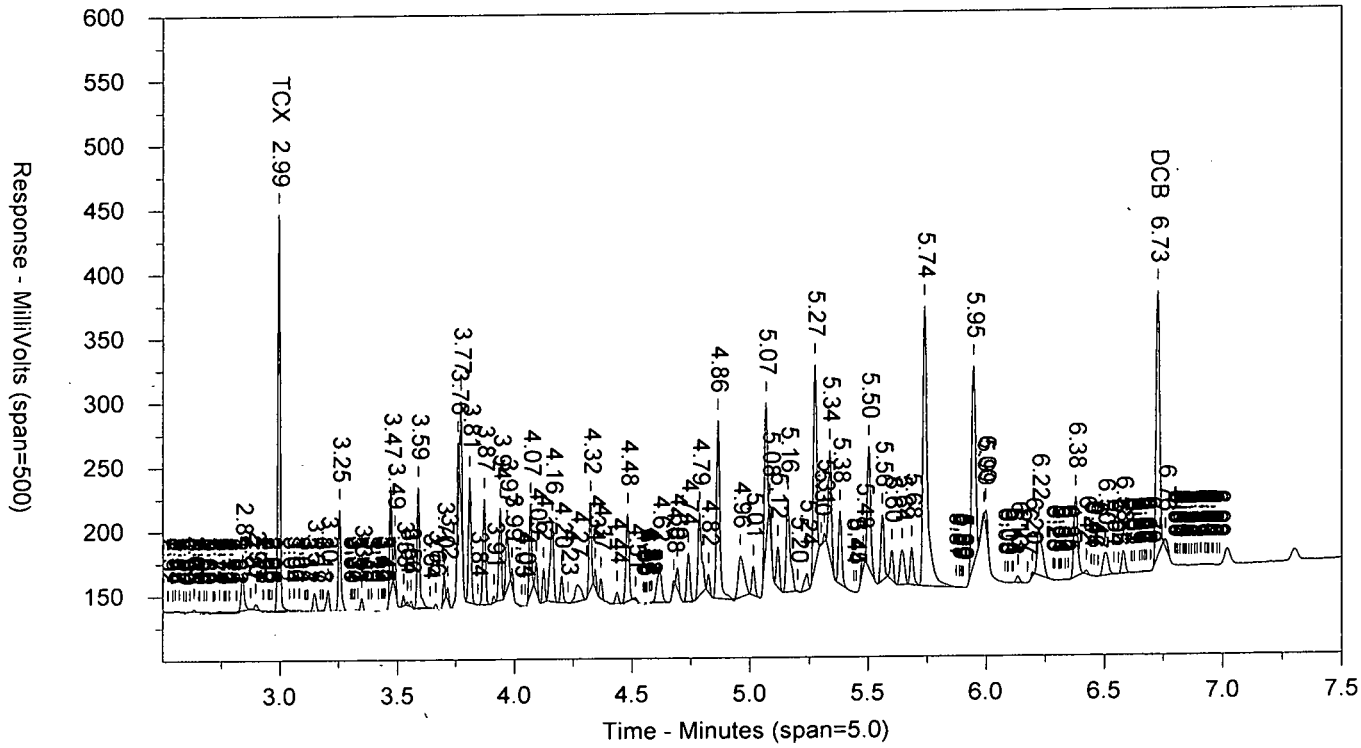

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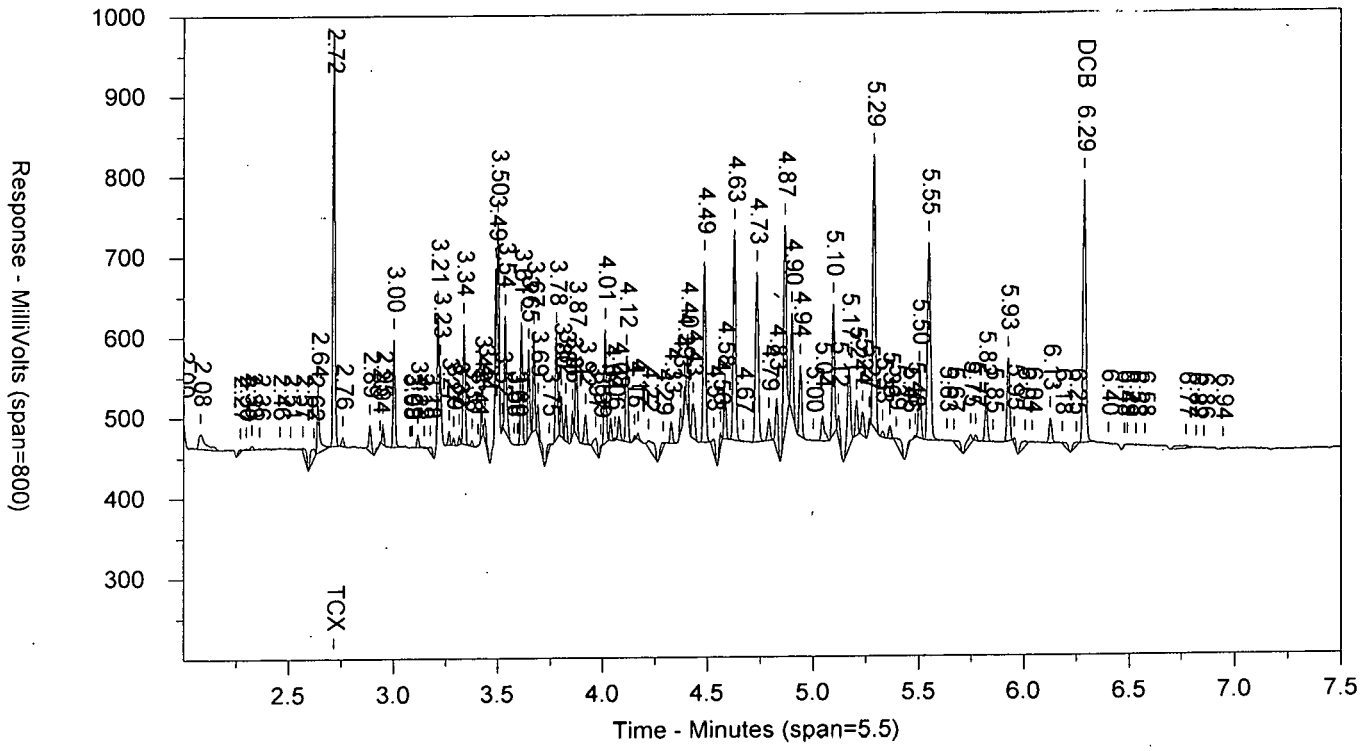

LANCASTER LABORATORIES

Sample Number: AR1621724C AAAR162AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:33:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.013		248	55
2.038		8264	6793
2.073		575	281
2.078		644	186
2.083		535	145
2.091		190	54
2.103		285	86
2.112		303	105
2.123		225	29
2.129		149	37
2.149		7620	11950
2.202		348	55
2.209		312	50
2.215		230	41
2.243		223	32
2.248		157	12
2.261		547	168
2.284		2645	1602
2.302		944	569
2.321		166	30
2.331		328	105
2.341		265	57
2.351		212	67
2.375		16324	10309
2.394		860	386
2.414		229	67
2.436		1597	1538
2.466		278	139
2.491		5145	4222
2.512		349	101
2.528		240	131
2.538		175	36
2.551		430	166
2.567		191	53
2.612		348	233
2.632		2711	2059
2.656		221	28
2.665		122	21
2.671		181	29
2.676		188	33
2.683		211	42
2.69		498	154
2.721		410	226
2.74		1374	1195
2.767		284	85
2.786		328	142
2.791		191	55
2.804		395	75
2.838		25218	23223
2.875		130	35
2.896		4630	3980
2.94		144	28
2.946		325	99
2.96		188	23

RT A	Compound A	Height A	Area A
2.993	TCX	606838	413738
3.037		354	60
3.056		241	54
3.061		195	29
3.081		817	540
3.097		302	71
3.145		26357	23660
3.203		31326	25558
3.251		140410	104321
3.315		148	29
3.327		929	453
3.345		17665	11560
3.375		224	35
3.379		344	56
3.389		351	219
3.418		233	73
3.426		153	47
3.445		507	247
3.468		151455	91175
3.485		74497	39724
3.522		17194	9693
3.538		5605	2447
3.554		8962	5045
3.585		172918	135542
3.641		1321	690
3.66		7768	4997
3.696		36398	20991
3.712		17562	8824
3.756		85481	46577
3.767		155500	78870
3.806		183536	143819
3.868		157438	124259
3.909		11303	6679
3.935		128464	100169
3.963		89165	75721
3.985		25398	12761
4.035		328	61
4.063		126471	92562
4.088		45708	29199
4.12		49047	35310
4.156		121408	126698
4.196		39507	32229
4.261		17836	34852
4.318		127138	94558
4.338		28714	16645
4.363		29749	22885
4.431		17446	14774
4.475		124385	115027
4.509		4717	3306
4.551		170	48
4.577		523	480
4.613		40706	56753
4.672		13941	8613
4.688		32199	21511
4.734		75406	67147
4.781		121670	133341
4.82		26522	19952
4.859		244084	242619
4.902		1643	1071
4.953		55290	89537
5.009		43802	38898
5.062		207106	171317
5.079		22352	14367
5.113		63259	55143
5.156		138892	158094
5.197		1974	927

RT A	Compound A	Height A	Area A
5.235		26689	31029
5.27		293784	280159
5.294		5085	1748
5.31		8955	4279
5.334		159285	146169
5.376		108371	104926
5.476		13197	13561
5.498		169863	168247
5.556		102243	92447
5.596		50168	41638
5.638		37668	47441
5.68		56595	60079
5.736		418405	515658
5.815		573	559
5.87		176	24
5.874		341	54
5.881		342	140
5.891		448	227
5.942		270059	296485
5.987		6242	13962
5.995		27701	20623
6.09		397	136
6.129		11411	11570
6.158		257	57
6.194		6205	5261
6.216		66310	86441
6.29		334	64
6.296		238	45
6.307		246	34
6.323		150	73
6.331		326	114
6.341		311	71
6.372		126000	132103
6.416		5217	4611
6.452		476	195
6.498		20948	33053
6.536		308	51
6.542		394	121
6.574		37656	39178
6.608		317	267
6.63		253	50
6.636		230	29
6.654		69	143
6.658		470	106
6.67		283	112
6.683		185	41
6.688		229	58
6.721	DCB	393941	421623
6.751		2565	3755
6.805		318	61
6.819		474	99
6.827		389	99
6.838		252	73
6.848		181	22
6.864		210	99
6.881		376	95
6.892		202	70
6.908		348	107
6.916		385	87
6.931		297	97
6.952		342	97
6.96		198	44
6.966		357	43
6.97		264	35
6.978		123	50

LANCASTER LABORATORIES

Sample Number: AR1621724C AAAR162AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:33:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		3794	1036
2.08		16577	27670
2.281		1954	5569
2.323		4517	4217
2.363		1939	1625
2.392		3109	2304
2.454		1756	5212
2.568		5026	8045
2.61		9354	13929
2.64		53341	46529
2.715	TCX	1002917	634707
2.758		22133	16667
2.888		62171	52019
2.95		58996	67186
3.003		244814	157565
3.056		2951	1464
3.077		1016	632
3.096		675	103
3.116		32884	20776
3.139		670	103
3.167		719	232
3.175		6610	6975
3.213		207102	106925
3.225		72909	28781
3.266		35742	22016
3.288		20219	11826
3.315		22696	12563
3.338		279160	191505
3.376		13216	7330
3.394		370	97
3.406		1810	890
3.422		69452	37015
3.438		48654	30406
3.489		145676	76010
3.5		281172	125550
3.519		12880	4465
3.534		272738	191606
3.575		861	129
3.587		366	80
3.61		277624	183581
3.644		197595	126612
3.669		210941	125665
3.687		71714	47805
3.74		4622	9097
3.747		428	87
3.775		235578	165338
3.8		91137	52584
3.822		86680	53833
3.854		56453	31172
3.872		181835	118655
3.915		71309	56001
3.963		31102	36207
3.987		26749	15197
4.009		252383	177513

RT B	Compound B	Height B	Area B
4.036		53130	33473
4.057		7063	3322
4.076		40970	28746
4.113		196702	145677
4.149		11254	6634
4.166		17671	11217
4.218		9032	24992
4.283		6933	12435
4.3		2053	1038
4.324		53096	39742
4.37		49580	31229
4.388		35825	20057
4.401		126976	75168
4.428		75376	81215
4.482		406348	339952
4.525		24504	22051
4.557		38824	27623
4.579		98012	72415
4.624		466769	395546
4.691		822	652
4.732		382028	381114
4.788		54220	45998
4.825		108188	93855
4.864		468521	408226
4.897		222597	173275
4.937		161319	133877
5.011		1157	463
5.041		58931	63196
5.094		310319	249643
5.119		52454	38064
5.168		179810	180045
5.204		81658	65441
5.233		57073	51390
5.266		17161	10645
5.287		637298	546457
5.329		15053	11491
5.362		37780	82273
5.479		8214	24270
5.502		144688	126497
5.547		463140	582628
5.746		17002	23924
5.771		14394	10456
5.819		90468	78913
5.887		1013	382
5.923		193002	166051
5.953		15255	10723
5.991		7054	8382
6.02		999	551
6.052		916	430
6.123		58302	52797
6.243		7545	11685
6.284	DCB	611909	584776
6.398		1311	769
6.502		5085	17615
6.589		1233	690
6.648		1426	6043
6.723		1165	3572
6.759		1262	13507
6.938		2304	3198

AR1621724C AAAR162AA ICAL 184699999 10227 SW-846 8082

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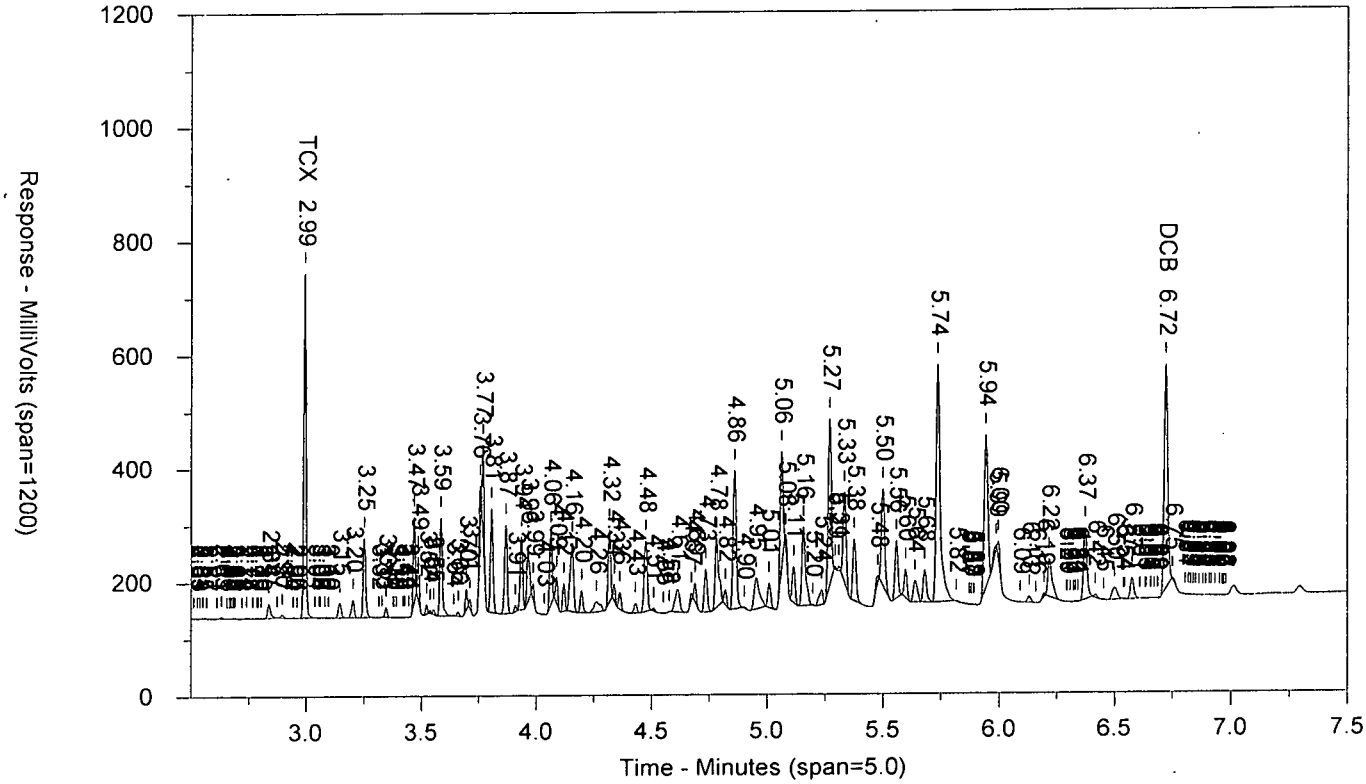

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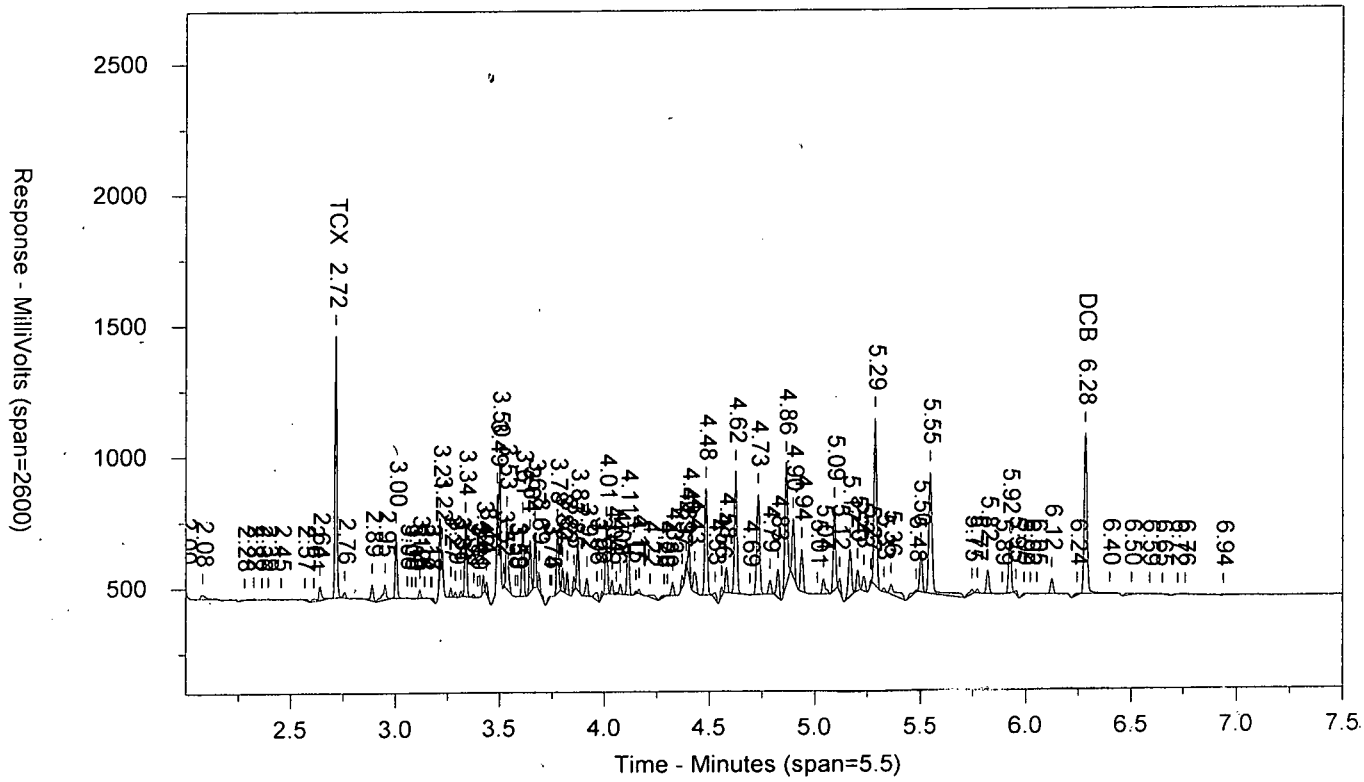

LANCASTER LABORATORIES

Sample Number: AR1621724C AAAR162AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:33:18 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	606838	4.164	TCX	2.715	1002917	3.976	TCX
6.721	393941	4.716	DCB	6.284	611909	4.94	DCB

Files:
Area File: 25pcbs18047001.008.RAW
Area File: 25pcbs18047001B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 3:41:50 PM
File Reported On: 2/16/2018 at 3:42:02 PM

AR1621724C AAAR162AA ICAL 184699999 10227 SW-846 8082

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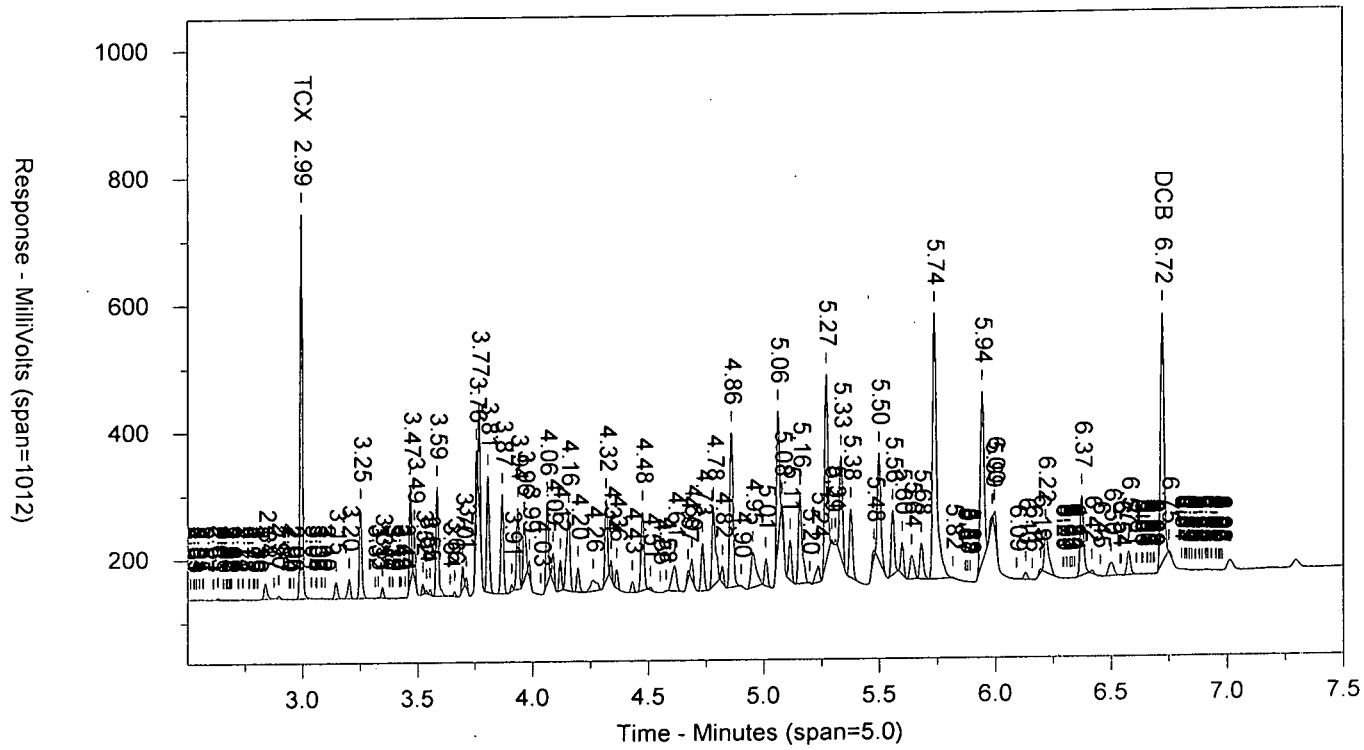

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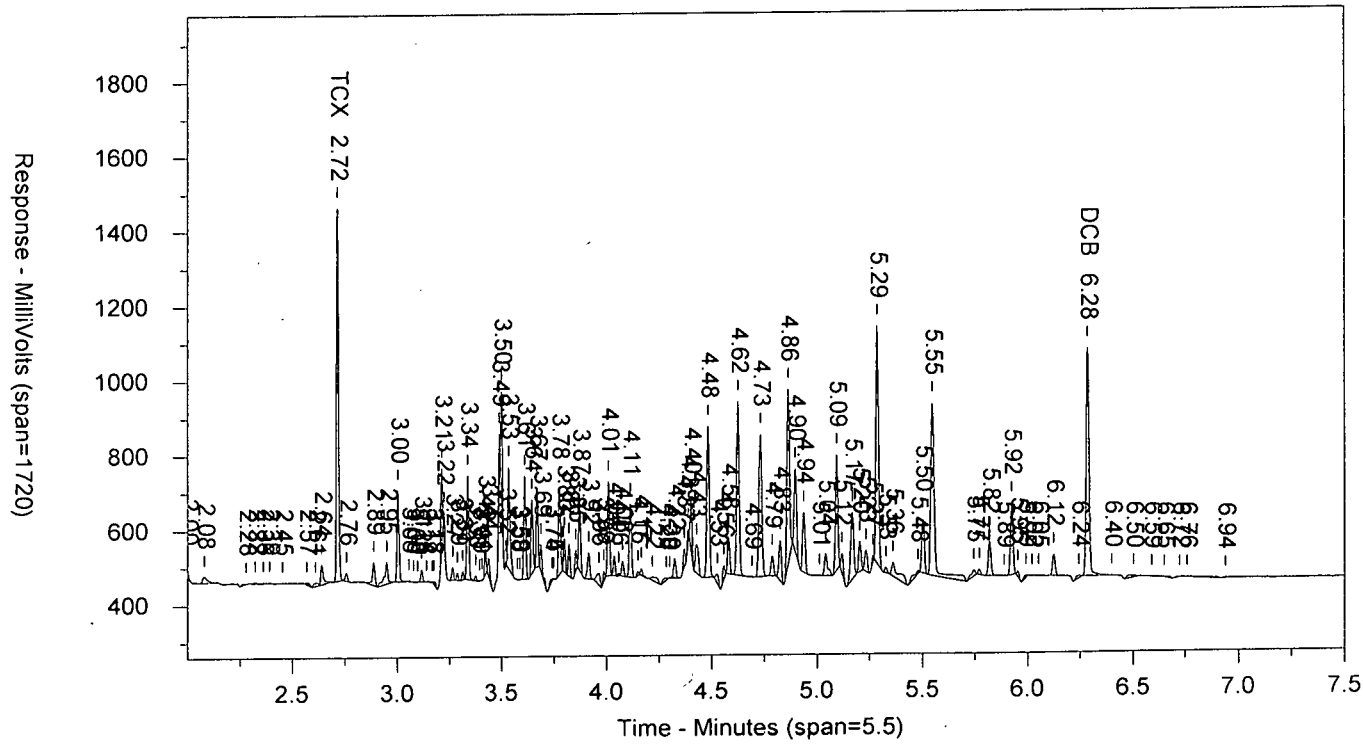

AR1621724C AAAR162AA ICAL 184699999 10227 SW-846 8082

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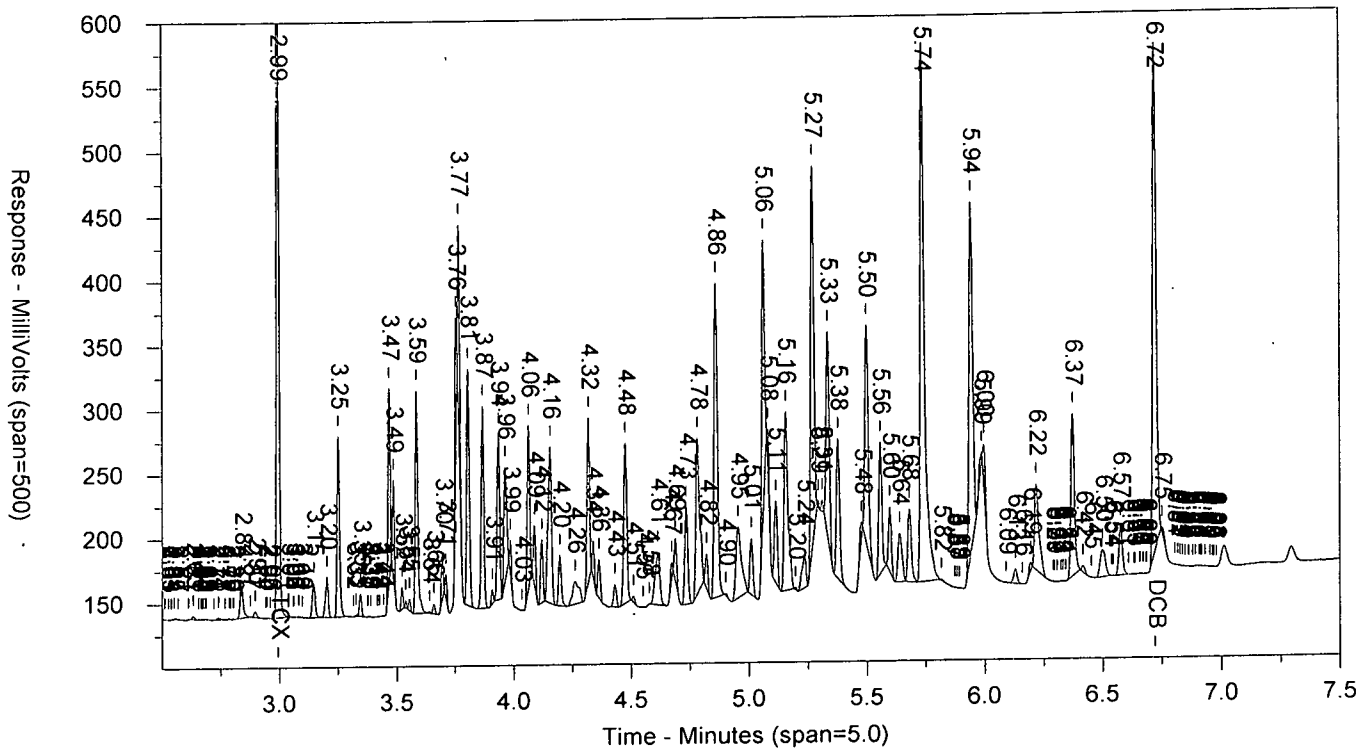

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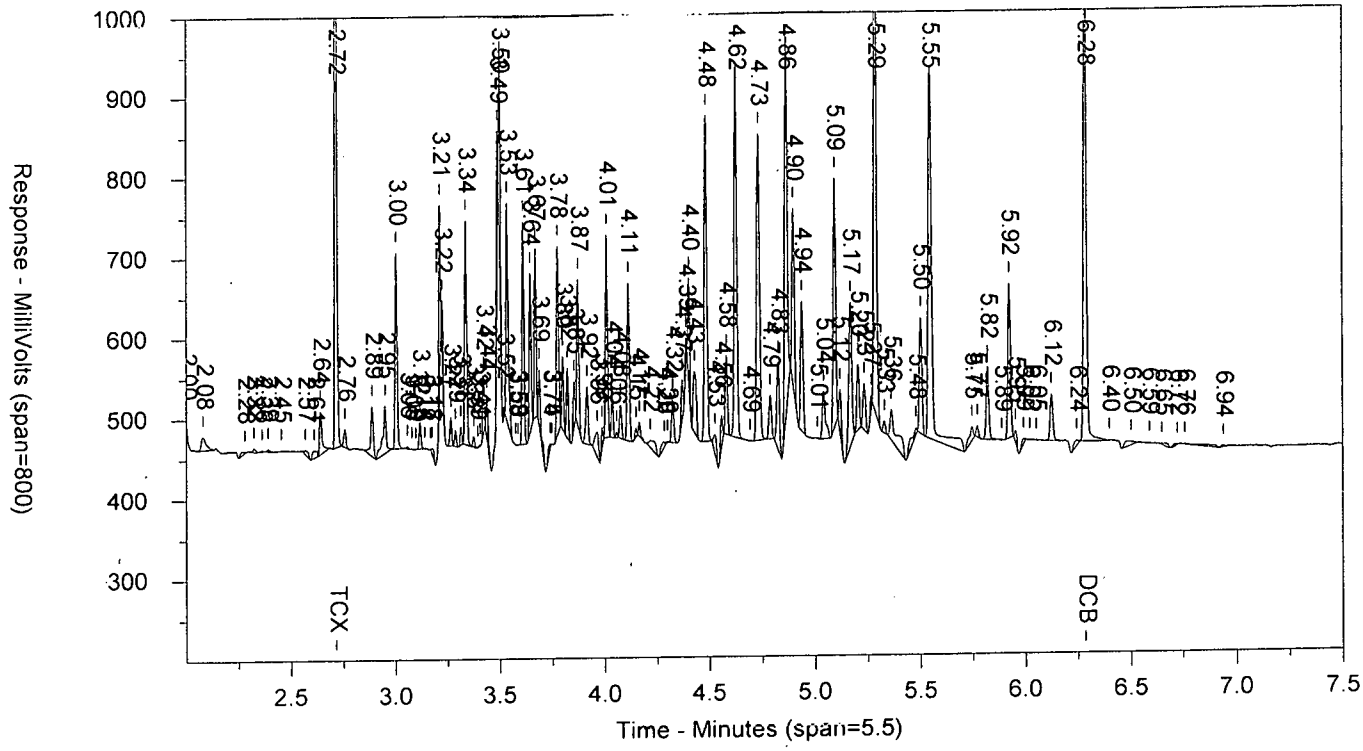

LANCASTER LABORATORIES

Sample Number: AR1631724C AAAR163AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:44:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.001		129	9
2.005		186	54
2.014		188	26
2.036		6905	5501
2.07		635	436
2.077		578	143
2.082		472	118
2.099		132	153
2.112		331	84
2.119		202	52
2.149		10277	16189
2.196		242	43
2.202		405	132
2.222		652	340
2.248		130	37
2.26		635	228
2.282		14939	11338
2.331		199	34
2.341		252	91
2.355		309	116
2.374		16647	10328
2.393		4840	2724
2.41		246	39
2.434		1924	1961
2.459		225	74
2.47		300	48
2.49		5896	4686
2.517		209	54
2.523		298	73
2.535		260	81
2.553		901	710
2.569		400	53
2.604		87	40
2.608		361	60
2.629		4361	3084
2.667		291	58
2.673		193	36
2.684		287	196
2.695		256	70
2.714		380	82
2.721		263	69
2.739		505	320
2.745		323	84
2.757		212	32
2.763		165	28
2.769		180	27
2.778		138	24
2.786		96	26
2.796		166	25
2.808		159	58
2.816		175	46
2.836		32594	31438
2.893		4532	4023
2.935		164	35

RT A	Compound A	Height A	Area A
2.943		253	107
2.956		377	73
2.991	TCX	3039924	1994236
3.054		455	247
3.08		348	190
3.094		791	385
3.109		309	202
3.143		49456	42916
3.2		64557	64250
3.23		277	37
3.249		262300	188650
3.291		307	104
3.311		155	16
3.325		5561	2926
3.343		33220	21324
3.381		1000	784
3.399		298	71
3.409		347	140
3.423		233	43
3.43		267	79
3.439		211	35
3.465		263873	163543
3.481		133475	71178
3.519		33227	18814
3.535		11301	4843
3.551		17599	10062
3.581		321873	239502
3.616		894	341
3.638		5735	3320
3.656		13821	8562
3.692		70610	40826
3.707		36164	18030
3.751		149890	86768
3.763		298804	157047
3.802		347105	272702
3.863		293402	232997
3.904		24293	16329
3.931		217940	165846
3.959		153841	137461
3.981		45995	22687
4.033		271	57
4.059		235602	171177
4.083		84705	55723
4.115		97555	69829
4.151		221167	239221
4.192		78061	61750
4.221		243	88
4.238		7522	5013
4.259		578	347
4.276		14056	11031
4.314		228231	171239
4.334		59649	33524
4.358		62490	46726
4.427		34246	29621
4.471		230123	219984
4.506		8311	5559
4.543		248	69
4.57		3866	2973
4.611		51701	54424
4.668		23356	16837
4.683		58397	39557
4.73		147199	129599
4.776		221141	250518
4.815		57771	41601
4.855		473734	448736
4.898		5873	5102

RT A	Compound A	Height A	Area A
4.946		75232	81856
4.979		11953	7563
5.004		81685	73268
5.058		407970	336291
5.075		49659	30860
5.108		116092	106307
5.15		259795	297611
5.192		3445	1972
5.229		63075	74120
5.266		560352	527238
5.287		18165	9162
5.306		9295	3279
5.329		317481	280636
5.372		204494	197760
5.471		35115	34958
5.494		326657	306201
5.551		169555	164395
5.573		606	110
5.592		96613	83388
5.633		41683	40146
5.676		116709	123418
5.731		785074	1007062
5.886		524	340
5.937		461768	488285
5.98		12243	24255
5.99		51554	44725
6.096		237	71
6.124		38138	37588
6.155		369	48
6.188		24816	20338
6.21		95542	84363
6.273		477	90
6.284		364	56
6.296		247	60
6.305		322	137
6.318		435	111
6.325		435	149
6.338		382	64
6.365		216174	243136
6.411		11114	9869
6.492		4292	5519
6.53		92	19
6.567		82582	89781
6.618		198	51
6.627		144	18
6.633		250	64
6.641		172	30
6.647		313	110
6.66		172	54
6.664		265	35
6.671		402	81
6.678		233	51
6.714	DCB	1743073	2040635
6.852		356	179
6.871		371	53
6.88		320	92
6.909		393	99
6.92		386	98
6.929		228	42
6.937		273	253
6.962		522	108

LANCASTER LABORATORIES

Sample Number: AR1631724C AAAR163AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:44:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.001		2819	3904
2.078		21204	33928
2.141		10807	8793
2.204		1448	1258
2.292		3284	12823
2.324		4088	3766
2.392		6455	4380
2.51		1608	2267
2.613		9248	14518
2.639		70694	71143
2.715	TCX	5082639	3139294
2.757		39500	26512
2.887		103883	74929
2.936		40477	18536
2.949		70572	34307
3.002		445591	289422
3.055		12568	7515
3.082		562	215
3.098		804	153
3.115		62192	39455
3.144		999	382
3.154		1334	356
3.175		4633	4449
3.212		379578	194796
3.223		124180	49002
3.264		68081	42923
3.286		36576	20387
3.313		45998	25773
3.336		509038	355584
3.373		27394	15764
3.402		9405	4127
3.42		130241	69792
3.436		77624	38412
3.486		238810	127075
3.497		516552	238533
3.516		20403	7351
3.531		507833	354387
3.579		609	143
3.606		522051	346025
3.641		361814	232079
3.665		398428	232089
3.683		128386	66398
3.73		1894	1230
3.742		1145	175
3.772		429908	306943
3.796		167967	98231
3.819		158223	101268
3.85		108880	59779
3.868		341995	226131
3.911		134724	102909
3.96		27971	26908
3.983		79471	48341
4.005		468154	318923
4.032		97513	63529

RT B	Compound B	Height B	Area B
4.053		14230	6982
4.072		65994	43865
4.109		371545	271012
4.145		21679	13488
4.162		35070	22968
4.224		5327	6644
4.25		41947	47977
4.296		5185	3269
4.32		101236	75421
4.365		91939	57672
4.383		78251	39502
4.397		226966	134044
4.423		145922	155404
4.478		769865	629937
4.523		20653	20093
4.551		76930	52660
4.575		174758	130773
4.597		2725	1025
4.619		891515	711672
4.727		739115	715071
4.784		101323	89082
4.823		206033	192278
4.86		853935	738810
4.894		415285	317993
4.933		310776	249519
4.997		2292	2345
5.037		108215	119454
5.089		551971	461208
5.115		82449	55671
5.165		306859	291812
5.2		150242	121000
5.229		110152	102433
5.262		32063	18701
5.283		1241523	1033283
5.325		28782	21175
5.358		81497	80810
5.449		2284	1862
5.475		15007	9518
5.498		275524	235700
5.543		857435	939147
5.698		54598	44528
5.742		24830	17885
5.766		53624	44278
5.815		176651	152432
5.92		352210	308075
5.952		24769	17643
5.985		1766	1592
6.12		122701	109834
6.169		1275	387
6.177		1601	2373
6.234		1933	1642
6.28	DCB	2679595	2510741
6.433		1820	1904
6.728		3760	8802
6.885		1322	2859

AR1631724C AAAR163AA ICAL 184699999 10227 SW-846 8082

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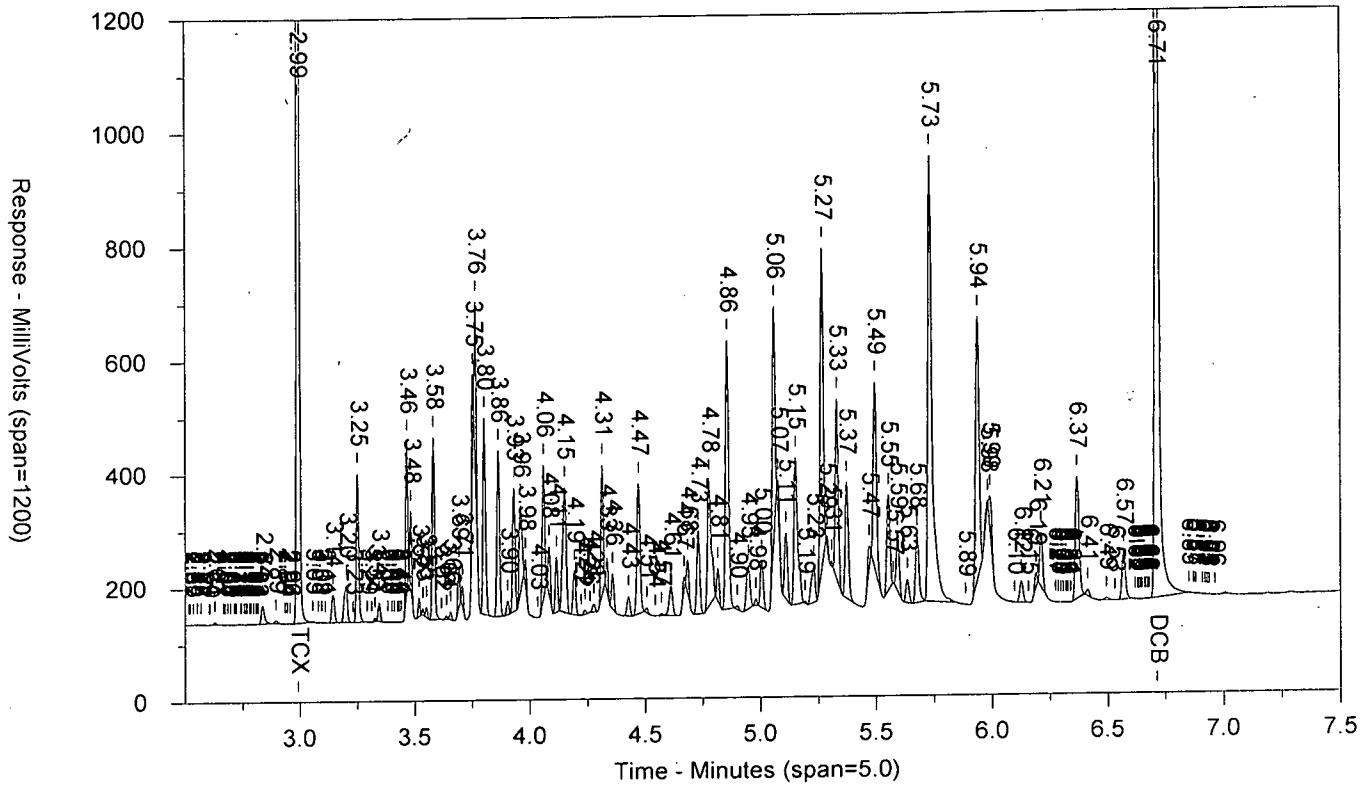

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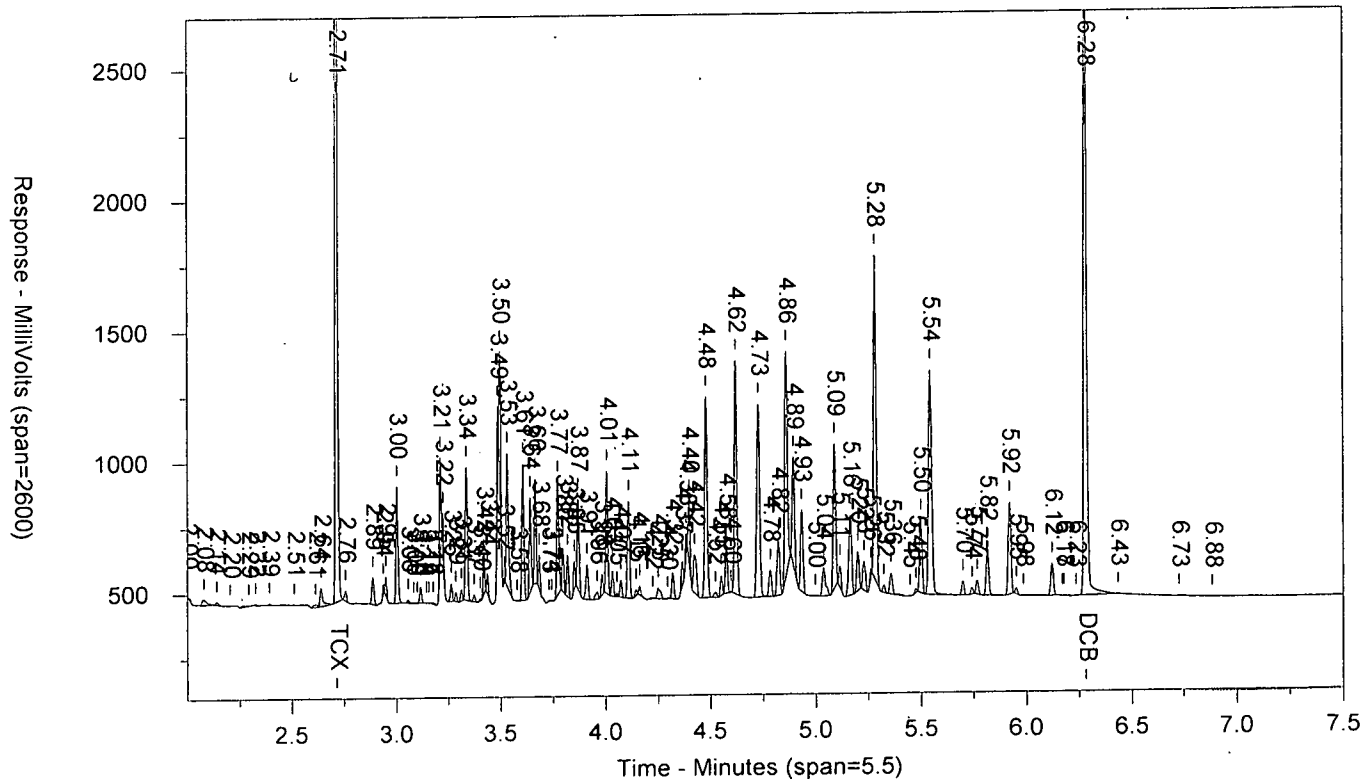

LANCASTER LABORATORIES

Sample Number: AR1631724C AAAR163AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:44:18 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.991	3039924	20.814	TCX	2.715	5082639	20.161	TCX
6.714	1743073	20.503	DCB	6.28	2679595	21.043	DCB

Files:
Area File: 25pcbs18047001.009.RAW
Area File: 25pcbs18047001B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 3:52:49 PM
File Reported On: 2/16/2018 at 3:53:04 PM

AR1631724C AAAR163AA ICAL 184699999 10227 SW-846 8082

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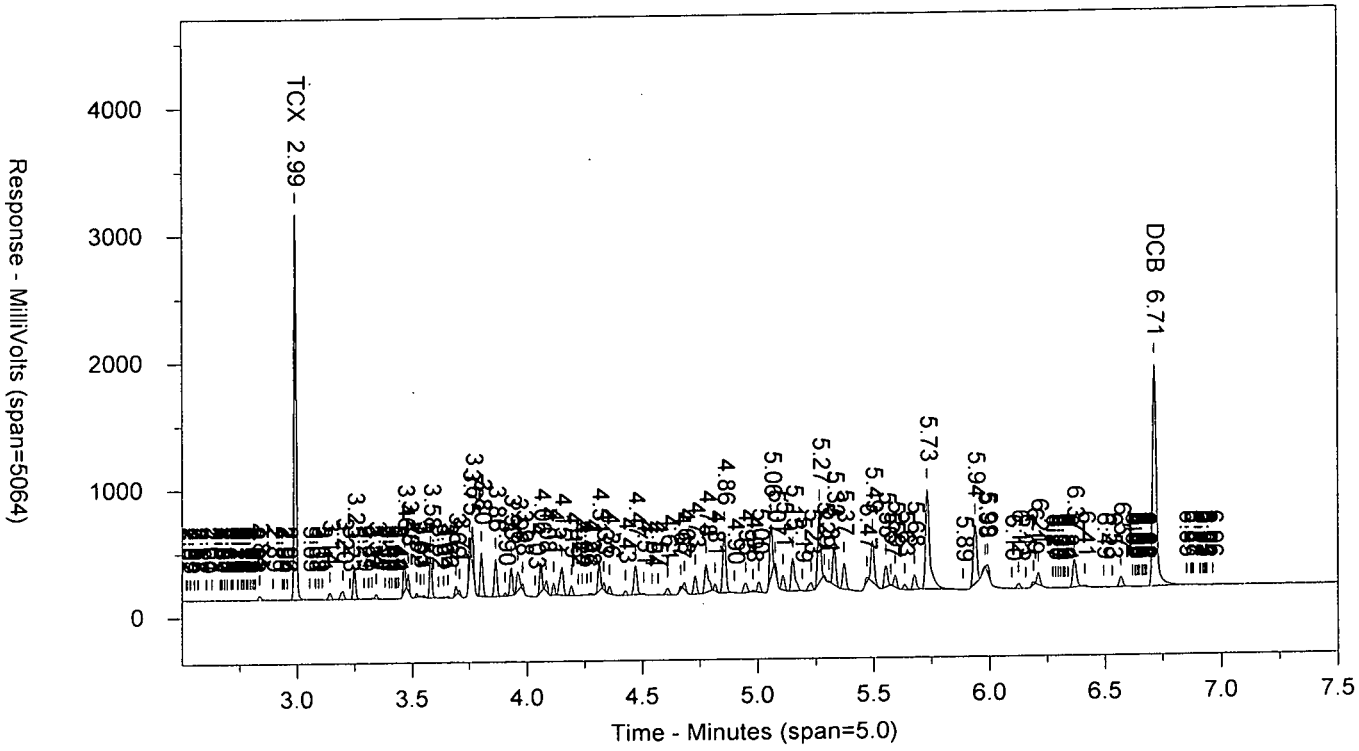

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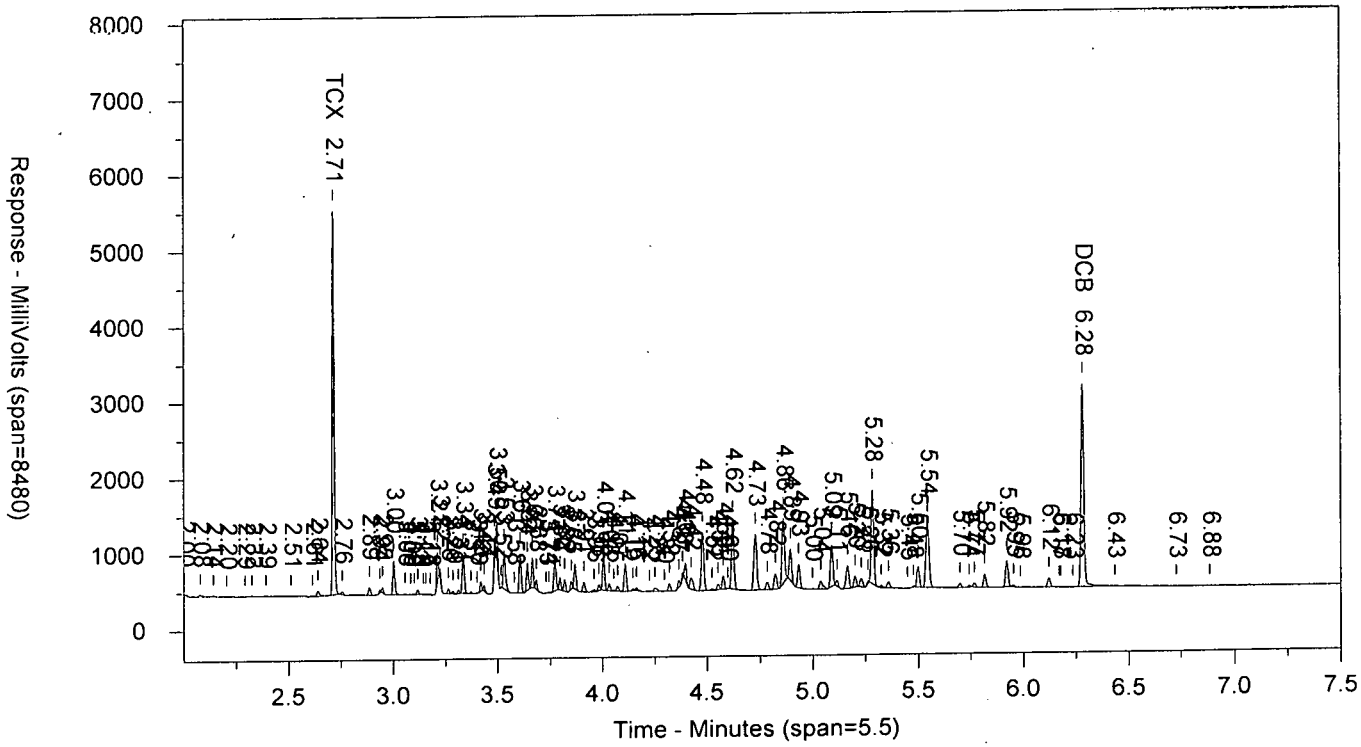

AR1631724C AAAR163AA ICAL 184699999 10227 SW-846 8082

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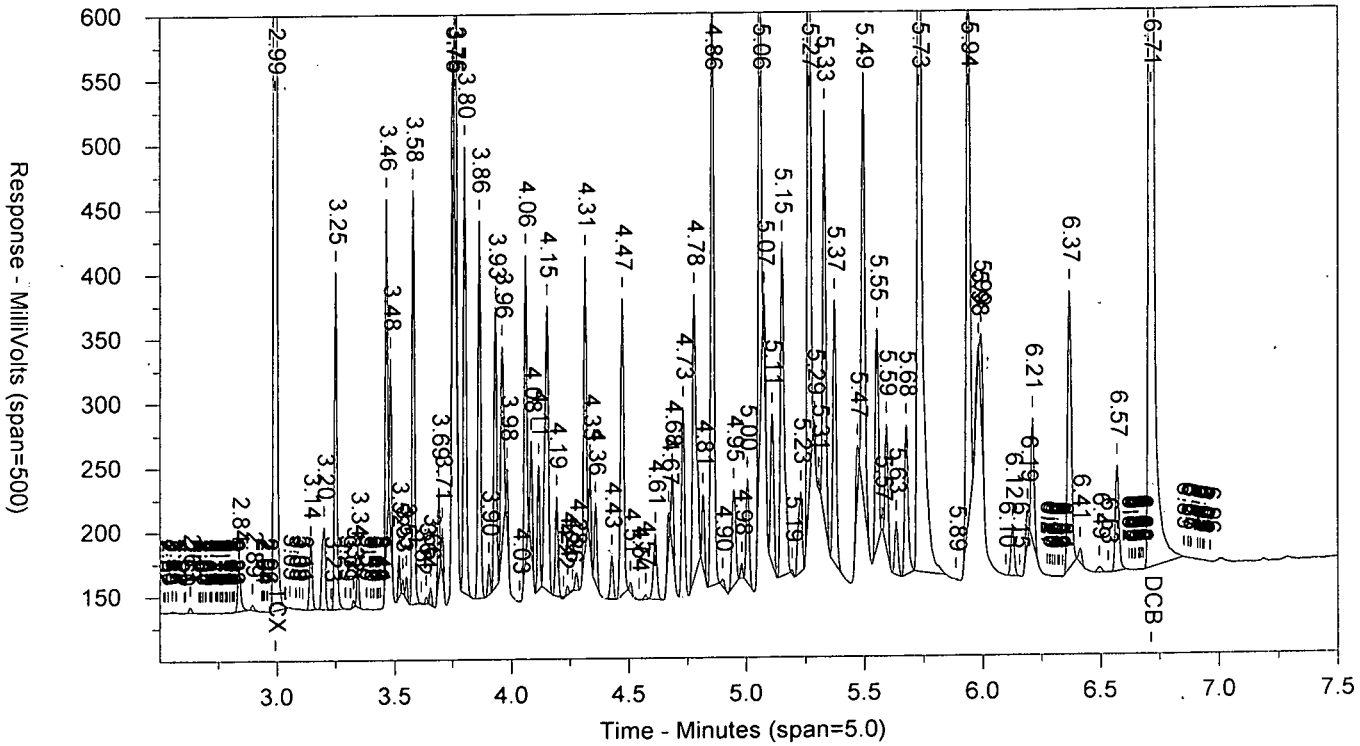

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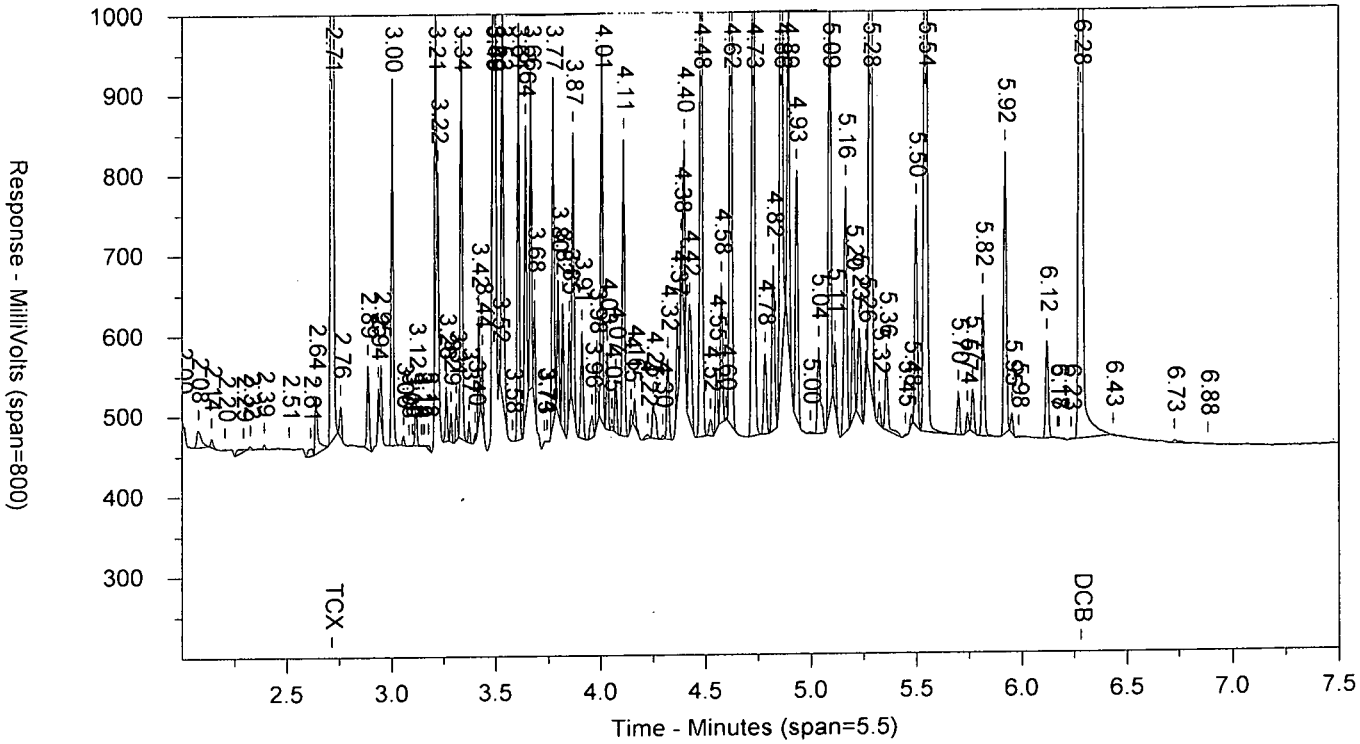

LANCASTER LABORATORIES

Sample Number: AR1641724C AAAR164AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:55:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.014		290	125
2.037		8497	6994
2.07		508	196
2.075		518	205
2.09		210	57
2.101		1072	674
2.126		374	64
2.151		22568	34288
2.198		654	1142
2.244		329	75
2.261		718	386
2.283		29485	21828
2.329		137	23
2.337		322	81
2.352		284	91
2.374		18792	11252
2.394		9760	5845
2.437		1976	2069
2.463		304	125
2.491		6327	5178
2.514		267	90
2.523		199	33
2.537		126	38
2.556		627	447
2.578		1693	1082
2.614		142	22
2.63		8563	5881
2.649		194	31
2.66		196	24
2.671		244	132
2.683		185	123
2.707		212	36
2.718		931	532
2.739		795	548
2.768		310	130
2.787		321	114
2.792		248	43
2.801		223	46
2.838		62088	63872
2.895		3735	3486
2.932		199	86
2.951		317	94
2.992	TCX	6247091	4118003
3.042		3137	1721
3.08		1267	620
3.095		1463	652
3.114		577	215
3.144		98587	84715
3.2		127224	126935
3.25		503089	354223
3.325		10976	5809
3.344		66792	41780
3.383		1932	1170
3.405		206	31

RT A	Compound A	Height A	Area A
3.415		383	105
3.427		349	126
3.466		524655	311534
3.483		247356	133214
3.52		65151	37044
3.537		21692	9364
3.553		34124	19160
3.583		620362	455007
3.618		2264	977
3.64		12282	7384
3.658		26570	16809
3.694		135169	77741
3.708		64501	32372
3.754		319848	172053
3.765		555133	294601
3.804		665168	526351
3.866		567638	451239
3.906		51772	33533
3.933		409585	304270
3.96		290321	259118
3.983		82121	44171
4.036		186	34
4.061		448122	325557
4.086		163744	106487
4.117		185196	133351
4.153		435174	458797
4.194		143129	119997
4.224		359	137
4.24		17795	12752
4.279		28667	22258
4.316		428605	325076
4.336		103199	60453
4.36		122883	90328
4.429		70290	58174
4.473		433386	419973
4.508		15350	10706
4.572		7069	6122
4.613		99061	100827
4.67		47760	34515
4.685		108074	74246
4.732		274835	250171
4.779		432983	475281
4.817		110316	81349
4.856		924879	874085
4.9		11769	10181
4.948		141586	158234
4.982		25043	16920
5.006		153949	139686
5.06		796911	646454
5.077		92900	54063
5.111		218488	196572
5.153		525504	588538
5.196		8880	4814
5.23		116613	147116
5.268		1151269	1088154
5.29		30899	14603
5.307		15653	5228
5.331		618471	552441
5.374		403178	384315
5.473		72879	68399
5.495		654518	592094
5.553		348631	315428
5.593		186728	173914
5.635		73249	71244
5.677		235627	242742
5.733		1639594	2018359

RT A	Compound A	Height A	Area A
5.939		942366	968334
5.98		23147	42749
5.991		122802	110211
6.126		77178	75363
6.157		785	403
6.189		51434	39112
6.211		174475	156083
6.275		359	335
6.299		460	230
6.311		506	618
6.367		450567	467635
6.411		24595	22535
6.481		205	40
6.495		2764	2716
6.53		159	30
6.537		712	218
6.568		162235	181394
6.632		433	71
6.637		216	27
6.644		206	29
6.655		262	129
6.663		267	32
6.667		379	159
6.677		260	65
6.716	DCB	3756037	4041064
6.823		457	74
6.838		509	239
6.851		278	40
6.858		565	319
6.923		304	796
6.969		220	180
6.994		232	92

LANCASTER LABORATORIES

Sample Number: AR1641724C AAAR164AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:55:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.012		29404	19488
2.078		50940	78495
2.142		20971	16369
2.236		5258	4294
2.273		5720	12034
2.323		4437	4997
2.363		5340	4558
2.392		13213	9328
2.459		2307	2114
2.569		6575	11197
2.616		12635	18880
2.639		131439	146528
2.715	TCX	11055610	6603284
2.758		73548	49803
2.8		3741	3140
2.887		197250	140532
2.937		75872	35009
2.949		130626	64303
3.002		867017	553936
3.055		25616	15370
3.081		1486	570
3.115		117780	77873
3.147		450	119
3.176		3992	3902
3.212		735069	372822
3.223		233912	94308
3.264		132848	83039
3.286		70399	40764
3.313		87355	49758
3.337		985529	680989
3.374		53397	31217
3.403		20506	9582
3.421		244701	132315
3.436		144046	72715
3.487		583749	291290
3.498		1060610	465782
3.518		42633	15123
3.532		987378	690682
3.608		1028150	679119
3.642		699317	445009
3.666		783108	449033
3.685		243778	125569
3.737		1696	2421
3.744		584	158
3.752		762	122
3.773		857911	593015
3.798		312076	183014
3.819		301192	195778
3.852		210976	116153
3.87		666828	433249
3.913		254496	199337
3.961		55229	52605
3.984		167033	104856
4.007		883561	613828

RT B	Compound B	Height B	Area B
4.034		194566	122398
4.054		30390	15317
4.074		111899	74967
4.11		698757	522644
4.147		43415	29426
4.163		65827	44305
4.227		8615	9809
4.252		96461	111804
4.298		11139	5990
4.322		196489	145407
4.367		179741	111524
4.385		141280	70854
4.398		445786	263518
4.426		276414	300374
4.48		1525498	1234241
4.525		37156	34564
4.553		150466	104032
4.578		336416	248252
4.598		8481	3345
4.622		1791958	1393168
4.729		1461764	1422133
4.785		189222	173249
4.824		354776	337659
4.862		1742543	1470390
4.895		827586	616714
4.935		576762	481755
5.002		4425	4432
5.039		219627	235303
5.091		1092077	907177
5.116		150416	102392
5.166		594983	553230
5.202		291026	230702
5.231		212864	194428
5.263		72775	42574
5.285		2574012	2130644
5.327		57249	43421
5.36		159258	142732
5.477		27576	17355
5.5		542619	450433
5.545		1682148	1874450
5.7		104501	92042
5.743		48728	36287
5.768		106863	85561
5.817		330450	292467
5.857		1544	1643
5.921		691361	596865
5.953		45782	34567
5.983		1702	788
6.072		1694	1181
6.121		236729	209306
6.243		1096	515
6.281	DCB	5655872	5111168
6.46		2008	1433
6.584		1166	499
6.733		6064	5647
6.824		1159	598
6.872		1017	796
6.907		1535	1850
6.96		893	634

AR1641724C AAAR164AA ICAL 184699999 10227 SW-846 8082

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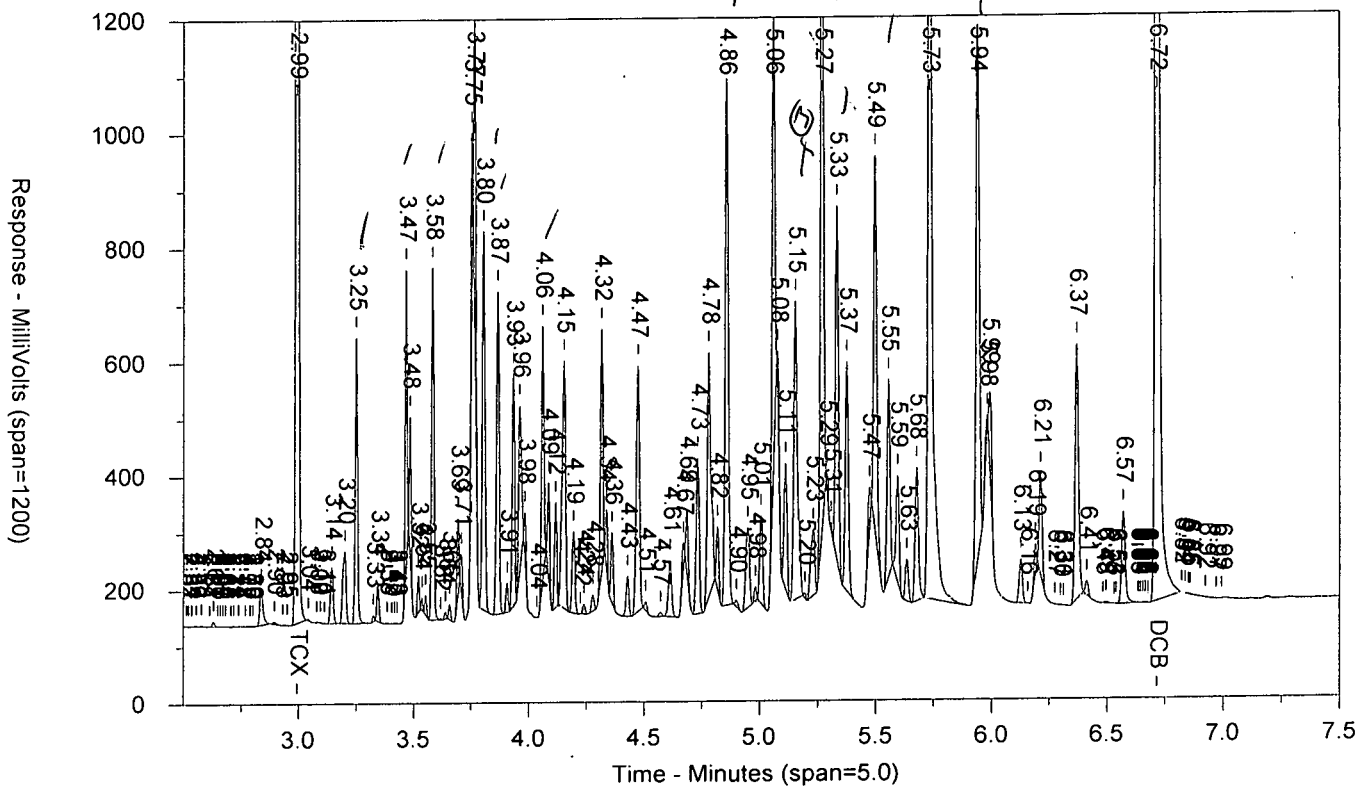

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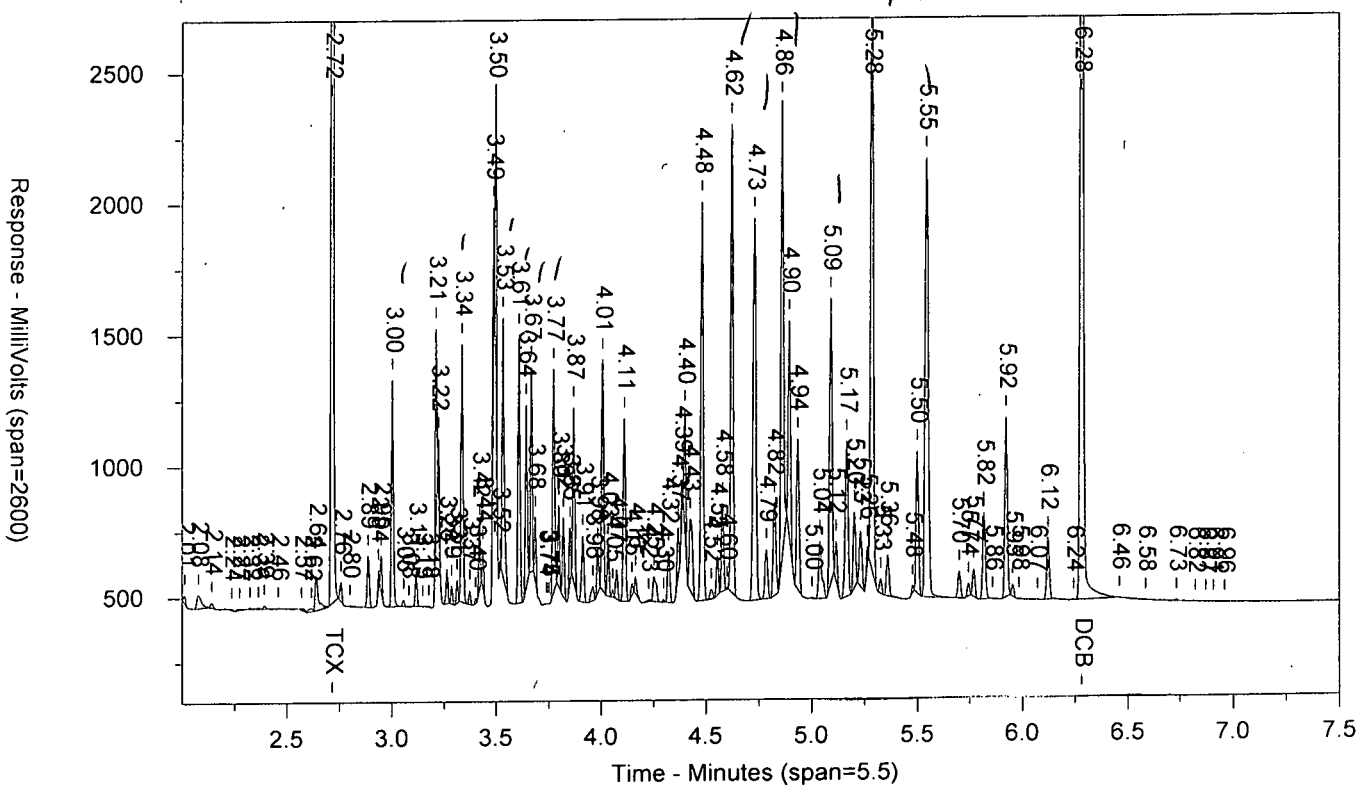

LANCASTER LABORATORIES

Sample Number: AR1641724C AAAR164AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 3:55:33 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	6247091	42.29	TCX	2.715	11055610	43.501	TCX
6.716	3756037	43.286	DCB	6.281	5655872	43.16	DCB

Files:
Area File: 25pcbs18047001.010.RAW
Area File: 25pcbs18047001B.010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 4:04:05 PM
File Reported On: 2/16/2018 at 4:04:18 PM

AR1641724C AAAR164AA ICAL 184699999 10227 SW-846 8082

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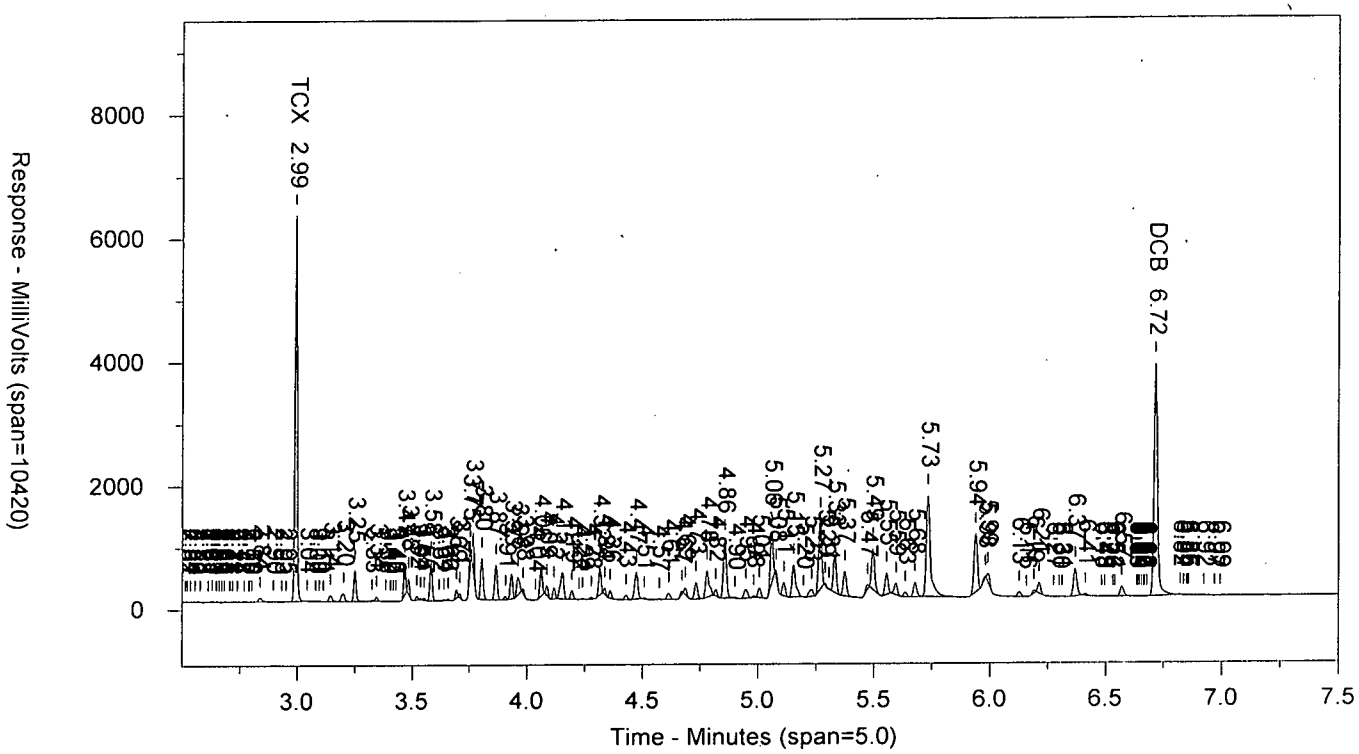

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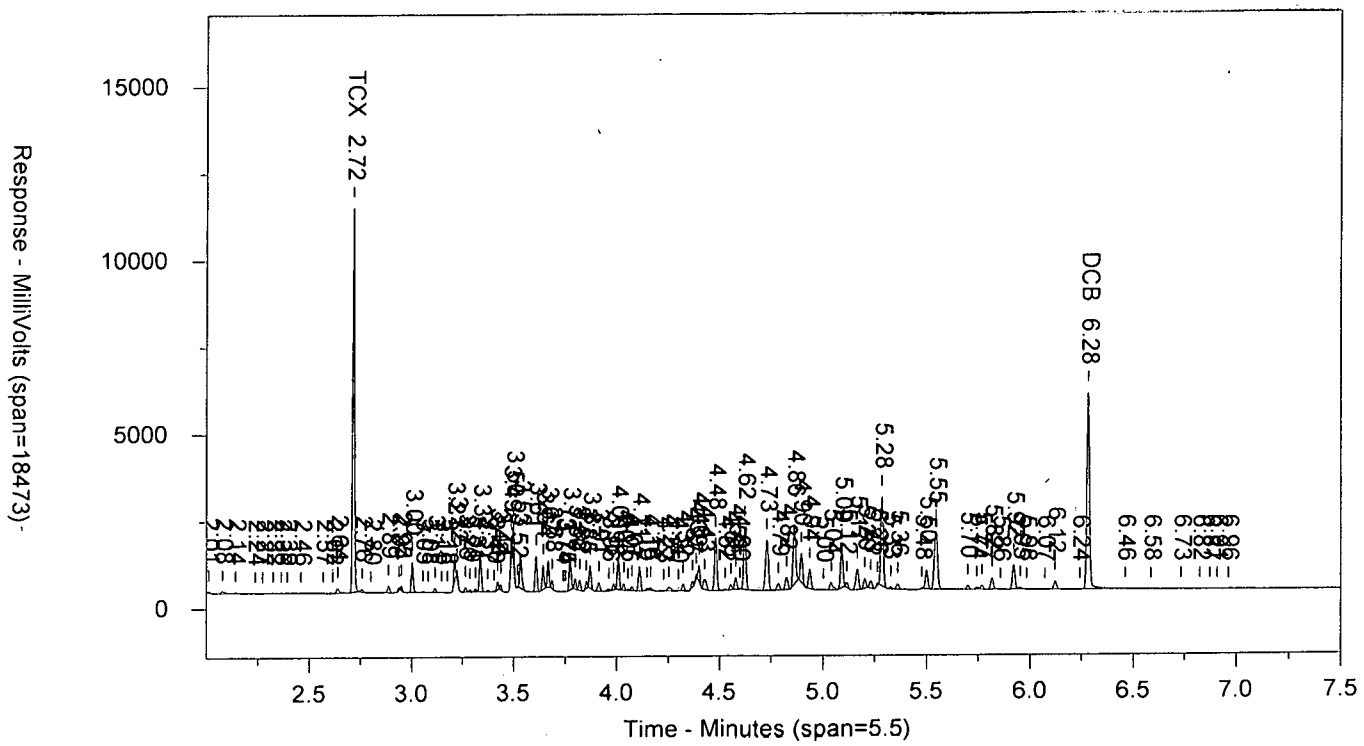

AR1641724C AAAR164AA ICAL 184699999 10227 SW-846 8082

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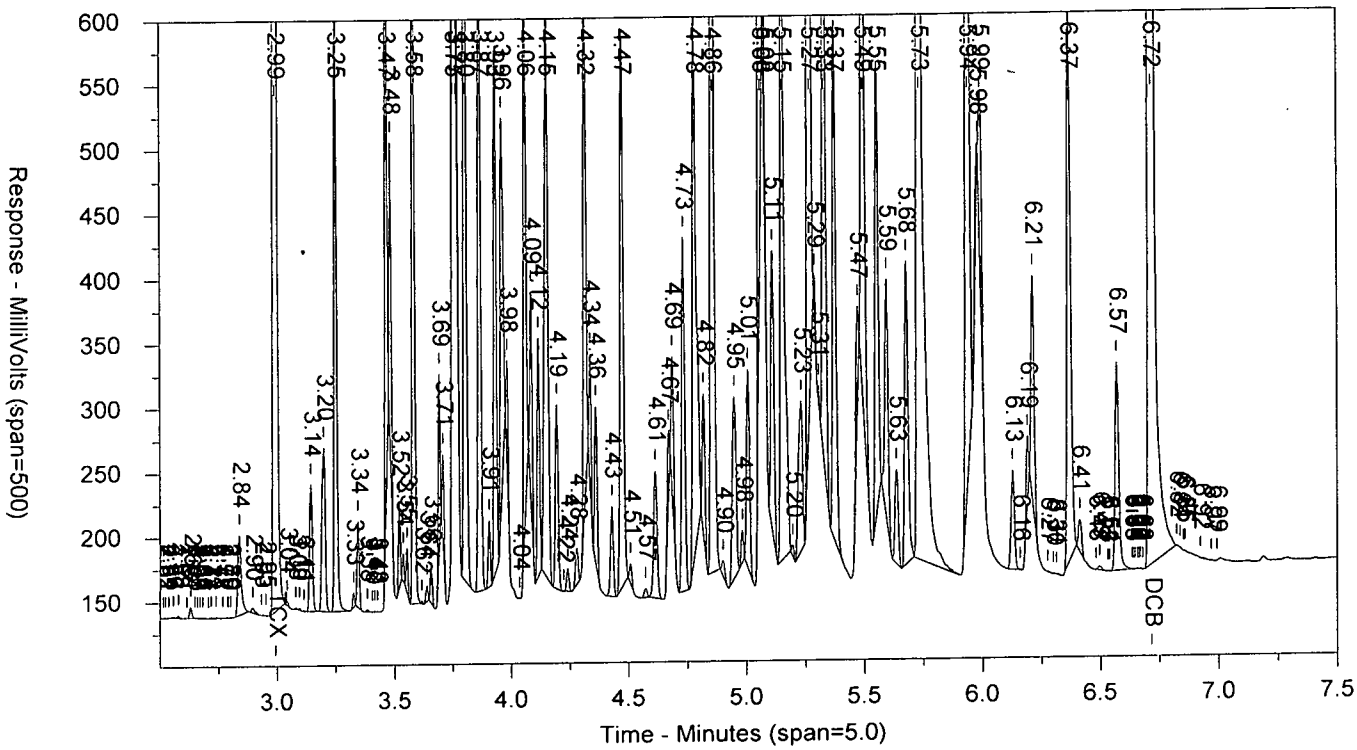

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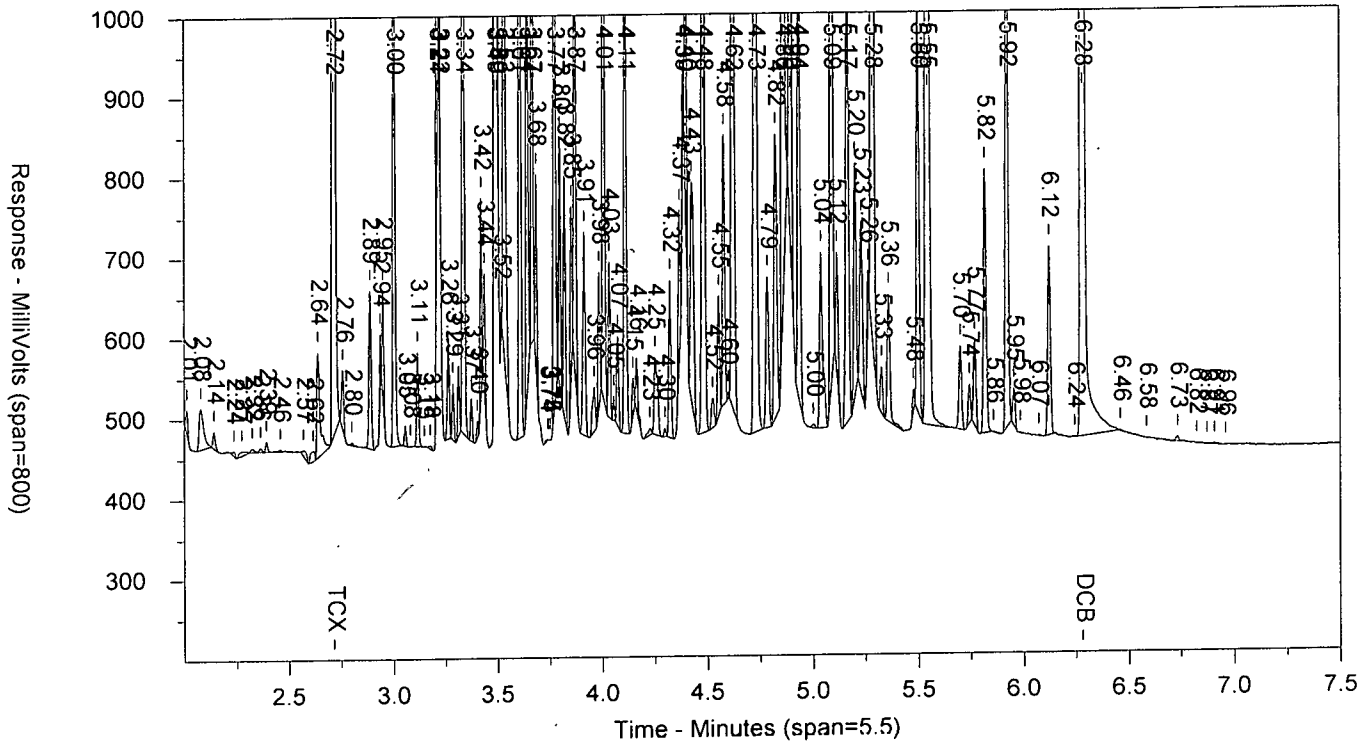

LANCASTER LABORATORIES

Sample Number: AR1651724C AAAR165AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:06:54 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.004		224	117
2.037		32724	36944
2.067		336	97
2.074		315	151
2.088		200	66
2.105		1151	1025
2.152		8105	13922
2.202		458	219
2.22		457	139
2.236		219	24
2.248		361	177
2.262		2847	1643
2.283		40535	31230
2.343		469	181
2.375		11449	6784
2.394		15217	9260
2.433		1887	1711
2.46		234	51
2.465		216	54
2.49		30106	31867
2.527		148	32
2.541		447	159
2.551		587	289
2.565		333	103
2.586		210	72
2.609		300	77
2.631		18316	12675
2.651		483	94
2.671		640	285
2.688		2367	1624
2.716		702	368
2.738		3764	2994
2.756		208	28
2.767		579	284
2.784		60	29
2.788		219	31
2.793		253	37
2.809		199	37
2.838		27639	24884
2.896		29179	33292
2.945		343	107
2.954		272	135
2.966		206	30
2.993	TCX	9298356	6059429
3.056		1586	877
3.078		2975	1728
3.094		1640	692
3.144		225588	199220
3.201		256729	243292
3.25		1131243	824655
3.326		15313	7872
3.344		150560	99410
3.383		4338	2662
3.416		235	50

RT A	Compound A	Height A	Area A
3.441		1178	1205
3.467		1180646	714103
3.484		584379	313703
3.521		149163	84766
3.537		54984	23659
3.553		81995	45530
3.583		1460487	1072892
3.618		2693	841
3.64		17209	10698
3.658		67479	42686
3.694		308488	175249
3.709		156751	80640
3.754		723266	408466
3.766		1421776	735819
3.804		1615926	1237917
3.866		1371987	1068811
3.907		101906	69502
3.934		883805	644109
3.961		666123	582534
3.983		191944	100122
4.039		236	87
4.061		1038527	762621
4.086		346494	231985
4.118		419660	299135
4.153		1038999	1061409
4.194		336566	271458
4.242		41458	37368
4.279		56758	44568
4.316		1028385	762123
4.336		259571	144785
4.36		276189	206798
4.429		150628	136042
4.474		1028633	963012
4.508		38424	26089
4.547		495	104
4.573		15181	11664
4.613		228524	257938
4.67		121340	83432
4.686		249255	166673
4.732		645110	578658
4.779		981903	1098141
4.818		251219	184250
4.858		2322990	2082241
4.9		35084	29162
4.948		319995	363008
4.98		46734	32103
5.006		370600	325048
5.059		2054217	1620519
5.076		174640	114023
5.111		511638	445360
5.153		1273554	1387101
5.195		21820	11856
5.232		245530	304662
5.268		2931244	2660674
5.289		53369	24888
5.304		14549	10449
5.332		1374422	1239001
5.375		947229	891283
5.472		168982	158992
5.495		1620657	1394690
5.553		810614	727913
5.592		432662	390390
5.634		158548	165765
5.676		531681	554427
5.732		4219359	4765229
5.88		1289	968

RT A	Compound A	Height A	Area A
5.939		2000153	2173185
5.984		32566	136033
5.992		252325	169767
6.085		955	171
6.126		127720	130867
6.189		79439	62560
6.212		402025	377589
6.291		546	391
6.314		102	17
6.327		669	229
6.367		1041272	1058954
6.412		52710	47118
6.494		24623	36877
6.527		490	404
6.568		337468	367486
6.628		288	66
6.648		278	118
6.666		530	310
6.716	DCB	5354578	5988230
6.887		469	296
6.917		844	567
6.947		325	297

LANCASTER LABORATORIES

Sample Number: AR1651724C AAAR165AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:06:54 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.012		59403	40481
2.079		17457	25448
2.142		30751	22016
2.205		1373	1246
2.233		17006	12750
2.278		19779	49042
2.322		4293	4198
2.362		1568	1233
2.392		30011	20463
2.463		4319	11246
2.555		17953	48105
2.609		22632	35179
2.64		57746	43270
2.67		5246	3244
2.715	TCX	16058360	9831753
2.758		169477	123619
2.887		458726	325756
2.937		95169	41637
2.949		316458	166087
3.002		1984677	1256721
3.055		38440	23141
3.078		695	177
3.115		266196	187880
3.174		23814	22739
3.212		1628120	829408
3.224		615325	234084
3.265		293145	190298
3.287		160334	93385
3.313		197925	113020
3.337		2315952	1579976
3.374		119674	72124
3.403		25972	12010
3.421		576237	309501
3.437		326941	171642
3.488		1497673	661482
3.498		2798586	1232126
3.518		82875	29608
3.533		2413833	1648317
3.608		2556085	1616968
3.643		1635786	1014705
3.667		1823383	1039246
3.686		546231	279426
3.74		12022	19005
3.774		1968397	1373371
3.798		725588	416681
3.82		687957	433222
3.852		463143	261543
3.87		1610230	1018537
3.914		580662	450007
3.962		148028	144396
3.985		302512	188181
4.008		2142985	1430357
4.034		433562	277789
4.055		67867	33236

RT B	Compound B	Height B	Area B
4.074		238058	154846
4.111		1686300	1205128
4.148		91248	61258
4.164		147235	99327
4.211		5829	3634
4.228		19892	14734
4.253		138795	177235
4.299		18609	10687
4.322		446120	337535
4.367		404138	245028
4.385		347210	186060
4.399		1058158	637674
4.426		648066	673801
4.48		3726774	2948028
4.525		101702	89373
4.553		305895	221101
4.578		764066	569760
4.622		4285008	3427124
4.729		3695618	3431935
4.785		429023	395360
4.823		876782	754766
4.862		4302498	3683314
4.896		2088706	1488346
4.935		1396406	1133460
5.003		7220	8022
5.039		496840	536865
5.092		2723553	2177256
5.116		356688	238979
5.166		1417698	1287364
5.202		666363	532500
5.231		479926	426566
5.263		186867	108873
5.285		6349571	5301880
5.327		133261	99776
5.36		308657	328899
5.451		9429	11999
5.477		61314	40447
5.499		1249708	1032569
5.545		4399364	4577619
5.66		2196	1500
5.7		131802	111113
5.743		115060	85497
5.768		162551	131297
5.817		737726	656863
5.922		1648438	1385636
5.952		99260	71505
5.987		15931	58000
6.12		489412	433321
6.24		7701	11758
6.281	DCB	8089721	7404776
6.429		4221	5714
6.466		4145	3627
6.483		1773	1765
6.575		1985	21887
6.701		2138	1383
6.732		7966	9584
6.93		1667	2257

AR1651724C AAAR165AA ICAL 184699999 10227 SW-846 8082

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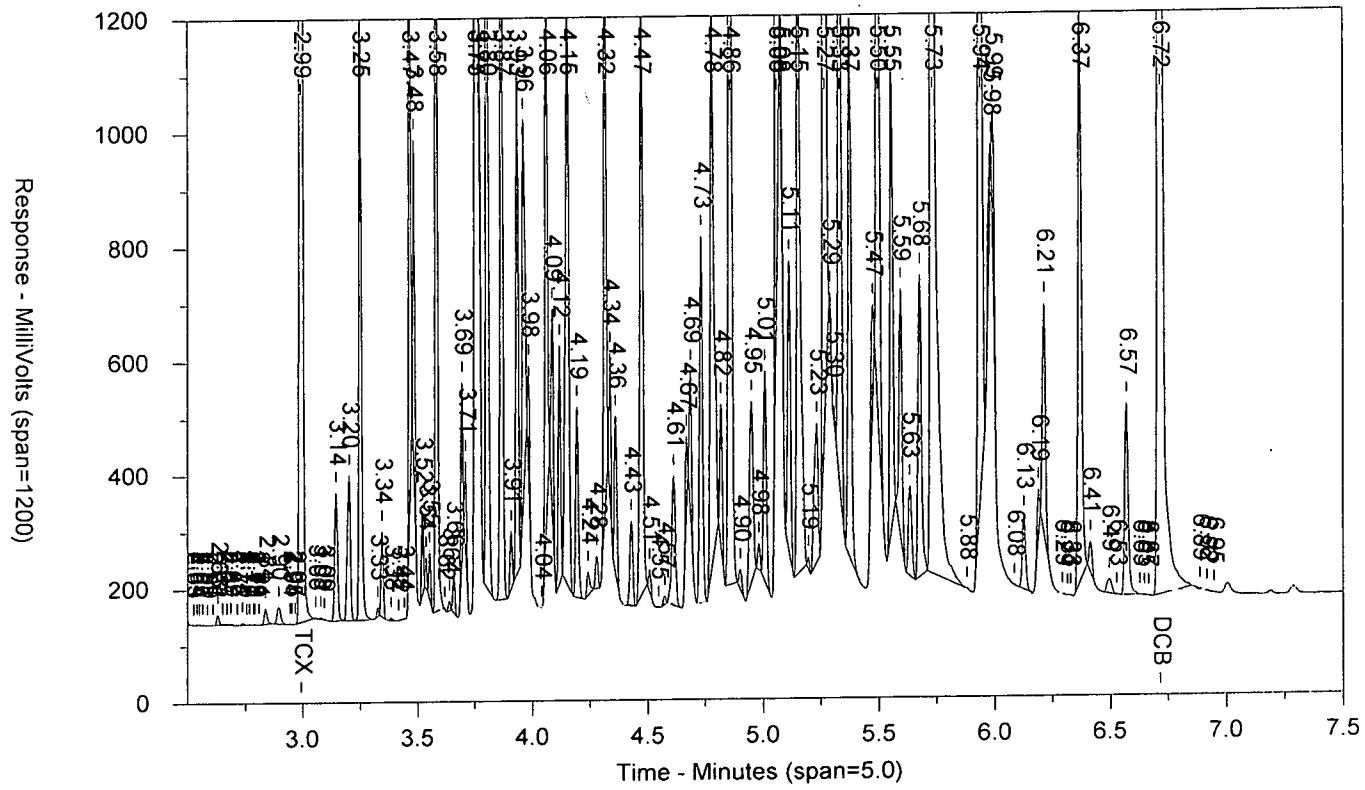

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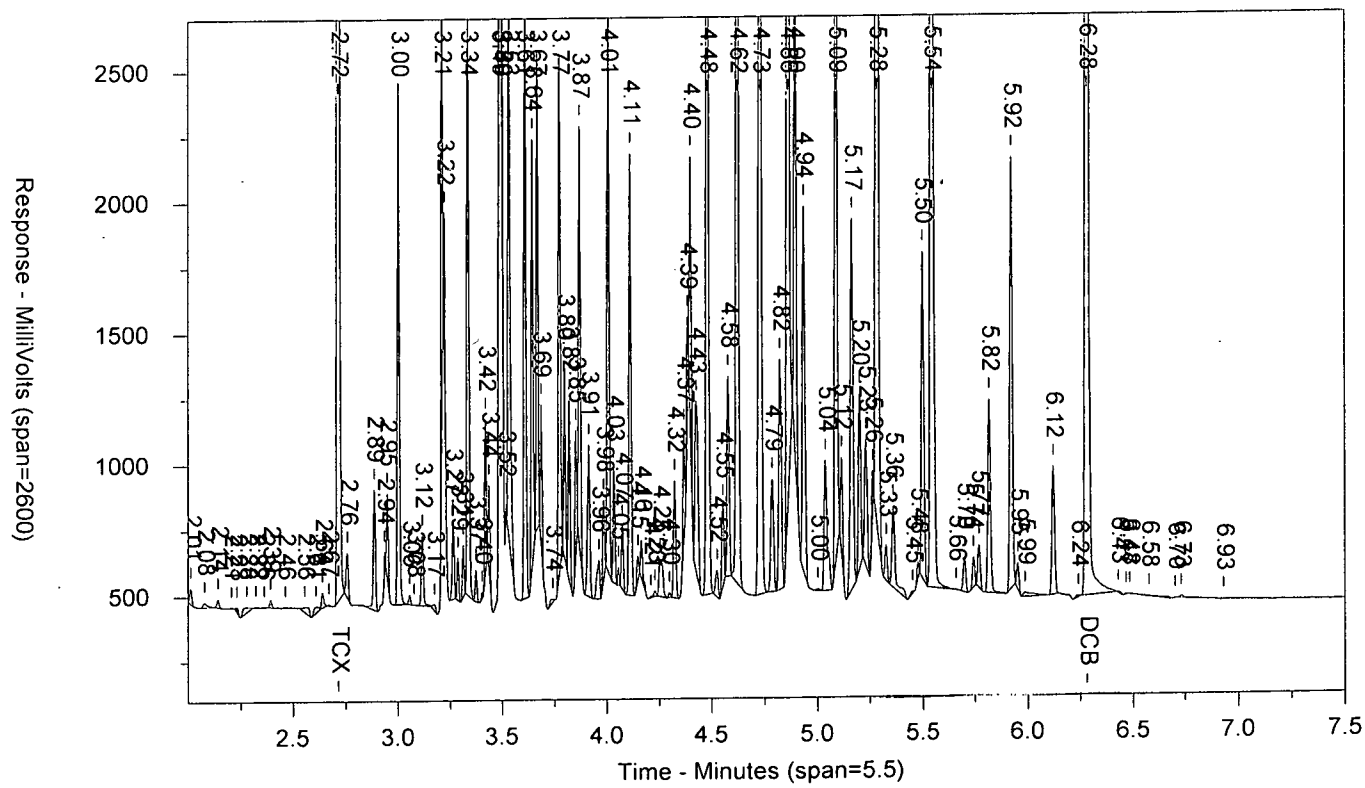

LANCASTER LABORATORIES

Sample Number: AR1651724C AAAR165AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:06:54 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	9298356	62.149	TCX	2.715	16058360	62.054	TCX
6.716	5354578	59.695	DCB	6.281	8089721	59.516	DCB

Files:
Area File: 25pcbs18047001.011.RAW
Area File: 25pcbs18047001B.011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 4:15:26 PM
File Reported On: 2/16/2018 at 4:15:38 PM

AR1651724C AAAR165AA ICAL 184699999 10227 SW-846 8082

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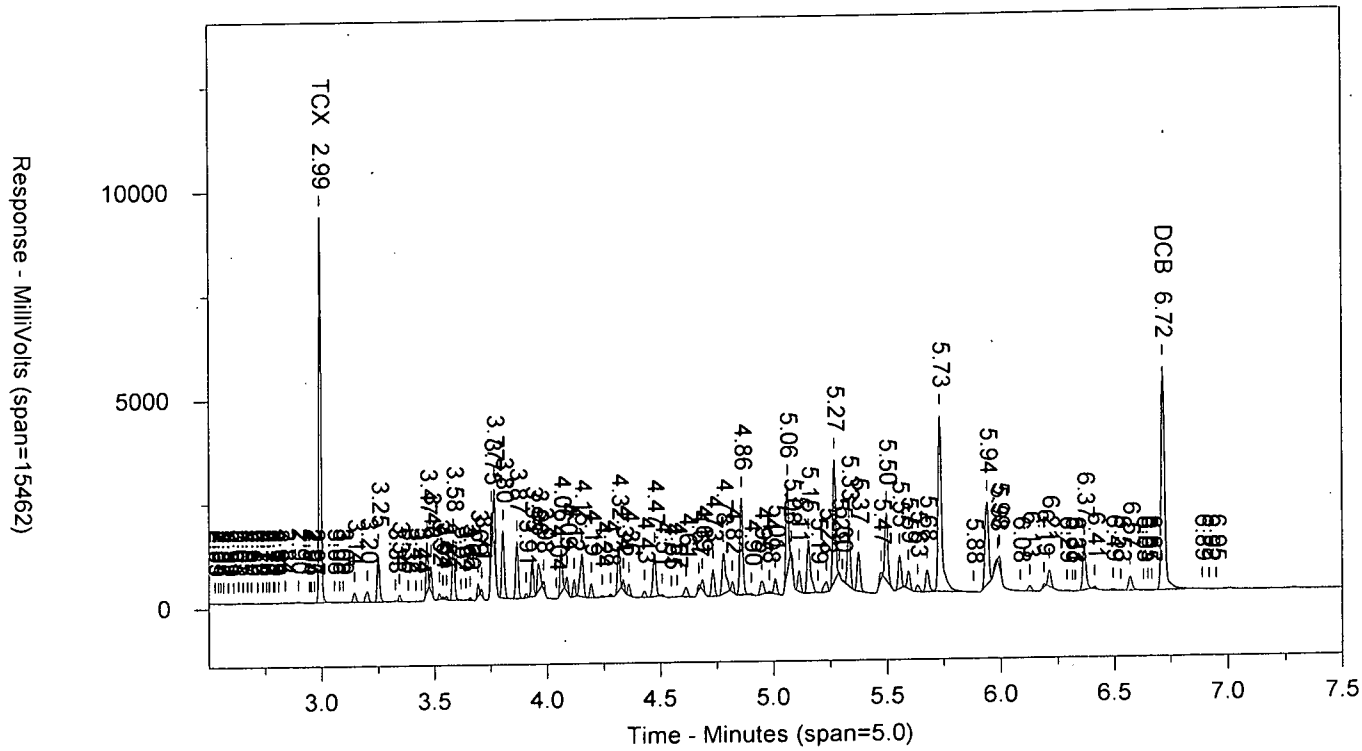

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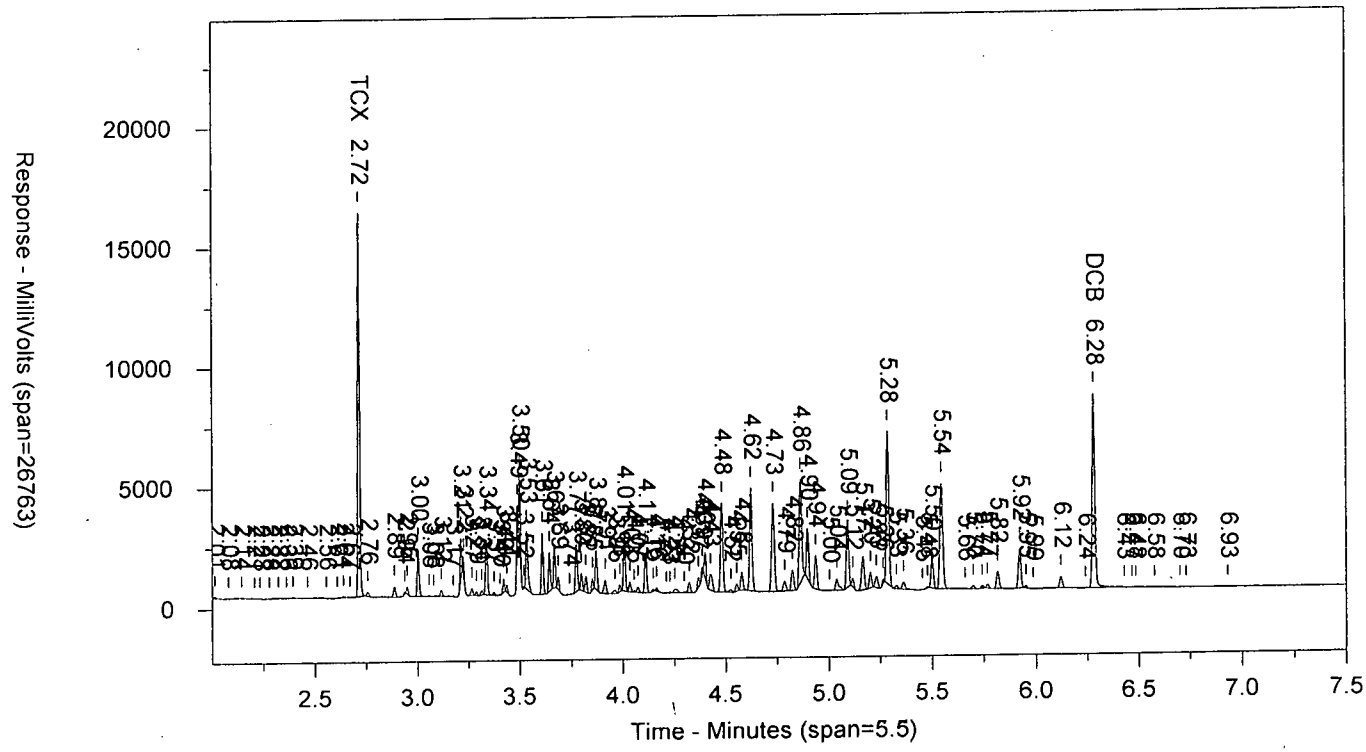

AR1651724C AAAR165AA ICAL 184699999 10227 SW-846 8082

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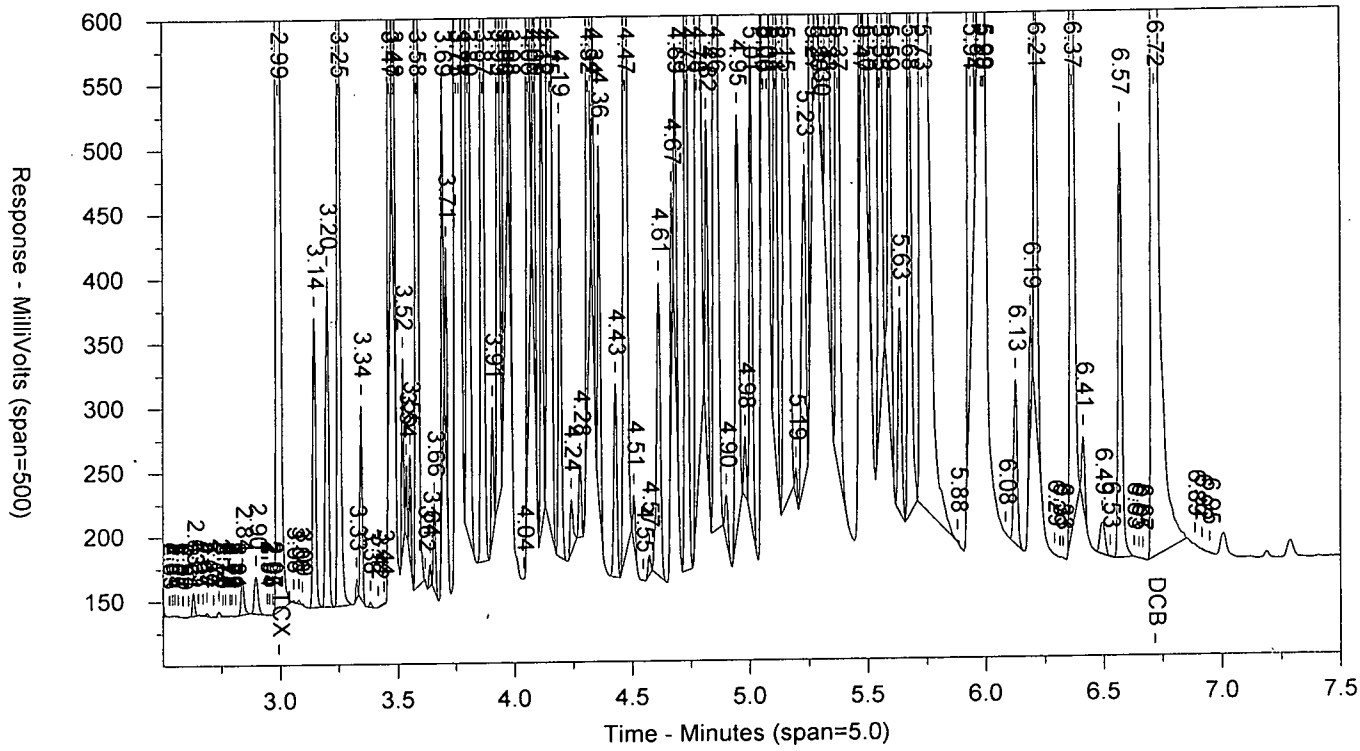

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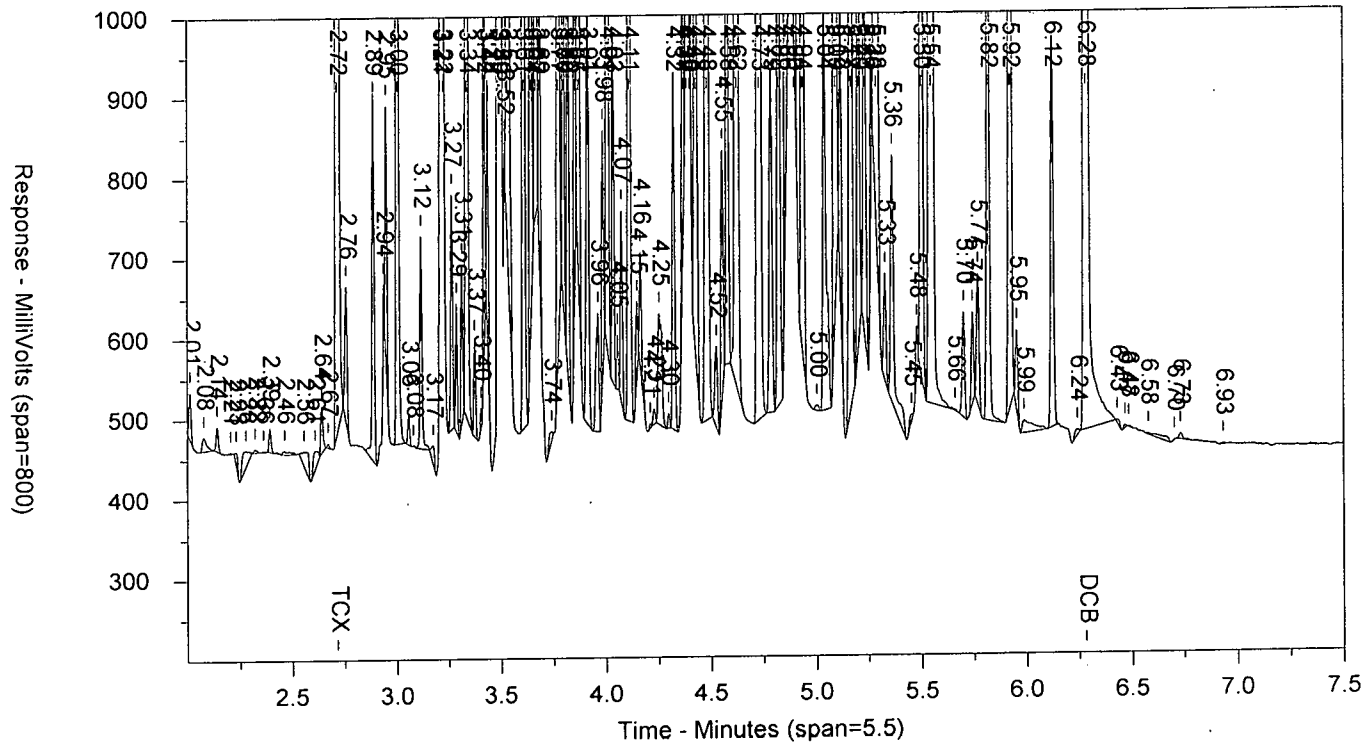

LANCASTER LABORATORIES

Sample Number: AR1661724B AAAR166AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:18:10 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.007		203	101
2.038		13454	11568
2.077		858	558
2.086		337	88
2.103		2128	1776
2.127		164	45
2.152		14937	24028
2.204		1036	1781
2.24		214	81
2.263		1154	529
2.283		56951	42159
2.32		366	174
2.336		365	125
2.354		172	42
2.375		27087	16235
2.394		19486	11865
2.422		172	27
2.435		1922	1830
2.462		171	78
2.49		9849	8049
2.539		591	377
2.554		750	376
2.568		221	55
2.579		1312	698
2.602		194	25
2.611		677	329
2.63		34910	25689
2.665		240	44
2.687		222	78
2.702		147	16
2.717		1422	993
2.74		975	819
2.77		452	243
2.787		154	20
2.801		422	256
2.837		41088	41702
2.895		3922	2424
2.91		3728	1736
2.937		224	37
2.946		347	222
2.993	TCX	12474180	8155924
3.043		2838	1214
3.096		2799	1560
3.115		540	181
3.144		422726	362434
3.202		482836	415181
3.25		2227501	1565074
3.312		99	18
3.326		17689	8855
3.344		275619	188052
3.384		7996	5066
3.419		208	40
3.428		225	58
3.467		2421707	1443035

RT A	Compound A	Height A	Area A
3.484		1203054	618799
3.521		281476	159138
3.537		93544	40344
3.553		147221	84034
3.584		2938532	2077024
3.619		11664	5755
3.639		26397	16533
3.659		132071	84535
3.695		599793	346479
3.71		312870	153159
3.754		1920602	938664
3.766		3035790	1589131
3.804		3320319	2546718
3.866		2892280	2195356
3.907		206729	146726
3.934		1877682	1344746
3.961		1450559	1226210
3.984		374840	205285
4.038		791	306
4.062		2222429	1571327
4.087		736283	477524
4.118		816260	591970
4.154		2188812	2186938
4.195		656895	527466
4.225		1375	530
4.241		89436	68540
4.281		115789	95073
4.317		2164628	1602386
4.337		499877	290828
4.361		578823	410573
4.43		298082	265112
4.474		2175320	1986555
4.509		74078	50397
4.547		911	392
4.573		35674	28718
4.614		394293	417259
4.671		243187	161326
4.686		473210	314418
4.732		1353266	1191247
4.779		2081436	2277704
4.817		511262	381202
4.858		4905575	4421008
4.901		66570	60405
4.948		672608	732584
4.982		75927	53206
5.007		734396	658054
5.06		5521250	6925463
5.111		1050214	920672
5.153		2890193	2995538
5.196		48508	28012
5.232		517210	608252
5.268		6741337	6026217
5.29		213701	111510
5.307		46444	20432
5.331		3253492	2865718
5.374		2002837	1953265
5.473		394103	374698
5.496		3410638	2935954
5.554		1751551	1543550
5.593		968445	841089
5.634		251921	239358
5.678		1255181	1209307
5.734		9778304	10135260
5.816		5016	1867
5.869		1245	394
5.878		2019	1503

RT A	Compound A	Height A	Area A
5.939		5441555	5258120
5.981		90778	225728
5.993		735919	539601
6.126		201644	200190
6.189		158298	123782
6.212		902038	788626
6.308		2934	5824
6.368		2255935	2151698
6.412		121324	111095
6.495		3340	2475
6.531		1229	762
6.569		627329	689350
6.634		662	606
6.656		522	963
6.716	DCB	7910930	8244198
6.789		2442	2803
6.847		2502	1710
6.883		1893	983
6.918		1222	676
6.948		801	603
6.968		389	49
6.978		204	81
6.991		314	99

LANCASTER LABORATORIES

Sample Number: AR1661724B AAAR166AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:18:10 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		66821	43898
2.079		31955	49941
2.142		39715	29222
2.238		8056	6796
2.277		7926	18496
2.327		4781	4677
2.365		4063	3080
2.392		56327	40502
2.46		4057	3134
2.508		2708	2970
2.569		6799	10847
2.62		10198	16640
2.639		83818	62299
2.668		11639	8846
2.716	TCX	22421270	13441730
2.758		309330	235207
2.888		814234	571328
2.918		2380	1078
2.937		91722	43511
2.95		644582	347665
3.003		3877856	2430124
3.056		50149	29207
3.116		486905	328811
3.176		5538	4827
3.213		3290733	1674746
3.224		1152462	453009
3.265		553388	356797
3.287		295062	173827
3.314		369888	210190
3.337		4677705	3103857
3.375		233715	138614
3.404		32701	15047
3.421		1143845	620757
3.437		656743	327500
3.468		2365	1133
3.488		2997492	1402814
3.499		5818682	2537003
3.519		190848	65266
3.533		4812866	3328562
3.609		5201342	3301345
3.643		3336203	2043821
3.668		3729654	2135951
3.686		1084349	563812
3.731		1726	991
3.741		2653	1431
3.774		4139988	2812059
3.798		1416087	798676
3.821		1366486	874201
3.852		968529	530912
3.871		3388362	2131470
3.914		1122172	874065
3.962		231751	216973
3.985		758941	470631
4.008		4438688	2963928

RT B	Compound B	Height B	Area B
4.035		864361	552499
4.056		135601	65672
4.074		444794	290486
4.111		3400654	2447414
4.148		183600	127130
4.164		282731	183302
4.21		12111	6630
4.228		36895	26194
4.254		404172	483307
4.299		29164	15999
4.322		876790	656202
4.368		844253	509051
4.387		632483	324027
4.399		2187488	1270484
4.427		1294653	1363355
4.481		7776631	6110106
4.526		153511	141605
4.554		679130	474455
4.578		1582799	1168127
4.622		9146917	7170606
4.73		7734060	7231294
4.786		895072	788279
4.824		1369205	1245149
4.863		9243872	7620459
4.896		4236796	3092296
4.936		2945814	2369885
5.005		16768	18624
5.04		1048117	1085846
5.092		5723913	4638358
5.117		732922	486091
5.167		2832545	2603679
5.203		1377247	1094481
5.231		967230	842585
5.264		383524	225278
5.285		14256360	11498750
5.326		264451	200523
5.36		547721	477418
5.443		4158	2727
5.477		122334	78322
5.5		2613752	2141487
5.545		9356372	9735902
5.701		277191	239798
5.744		231484	173601
5.766		219381	150746
5.818		1496747	1443388
5.922		3458080	2908749
5.954		200168	149167
6.072		2742	2231
6.121		925762	844384
6.236		1760	1095
6.282	DCB	11400160	10457930
6.461		10429	7537
6.619		1569	664
6.71		1152	324
6.732		12326	10674
6.81		1663	1012
6.85		1763	936
6.908		2891	3373
6.989		690	219

AR1661724B AAAR166AA ICAL 184699999 10227 SW-846 8082

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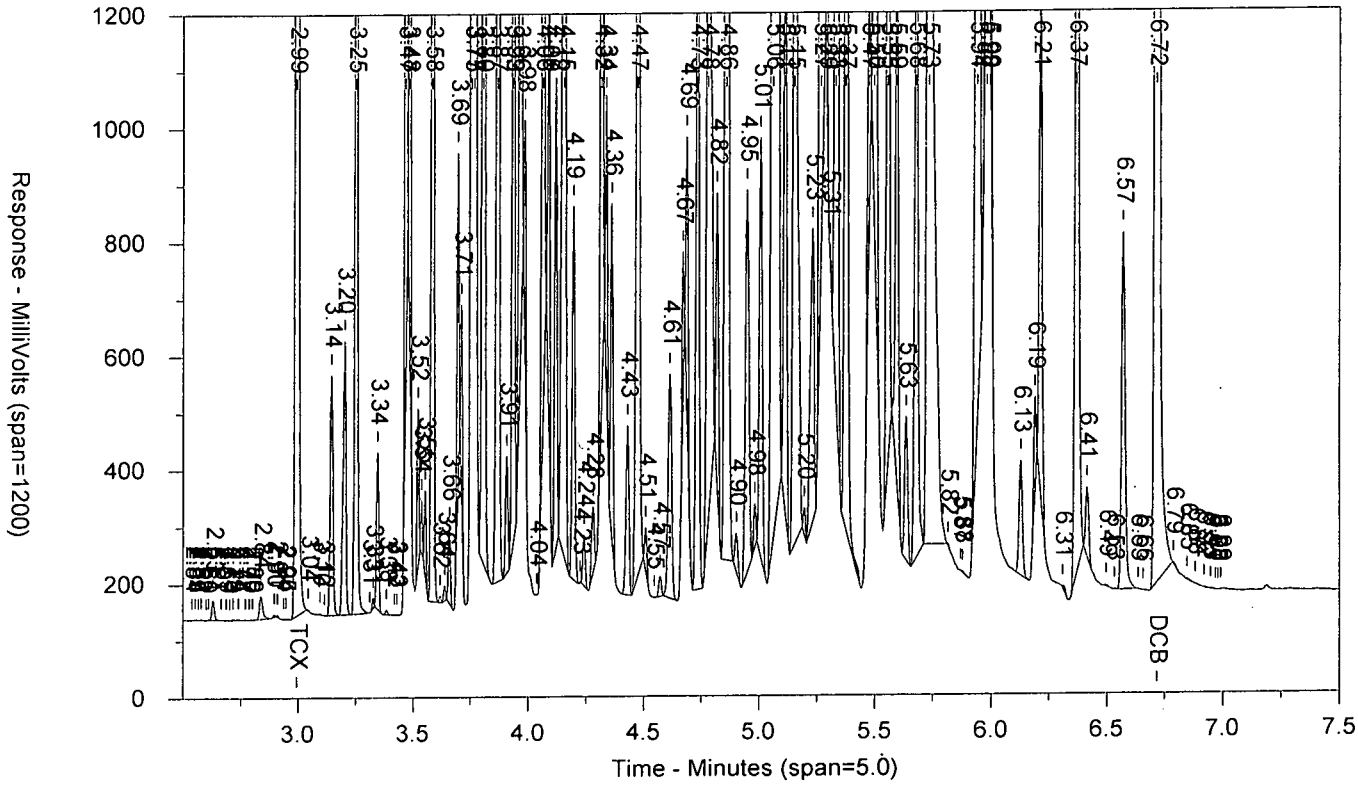

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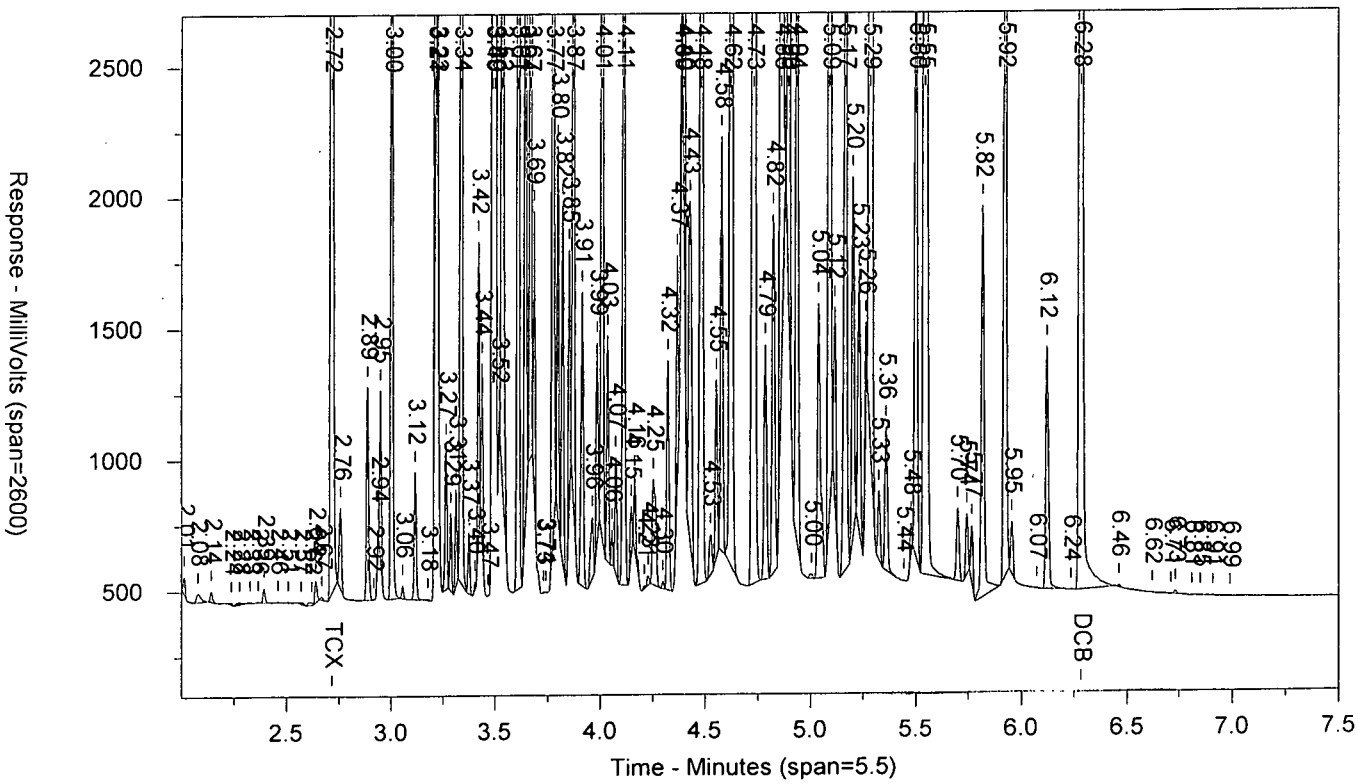

LANCASTER LABORATORIES

Sample Number: AR1661724B AAAR166AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:18:10 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	12474180	82.336	TCX	2.716	22421270	86.078	TCX
6.716	7910930	86.656	DCB	6.282	11400160	82.075	DCB

Files:
Area File: 25pcbs18047001.012.RAW
Area File: 25pcbs18047001B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 4:26:41 PM
File Reported On: 2/16/2018 at 4:26:54 PM

AR1661724B AAAR166AA ICAL 184699999 10227 SW-846 8082

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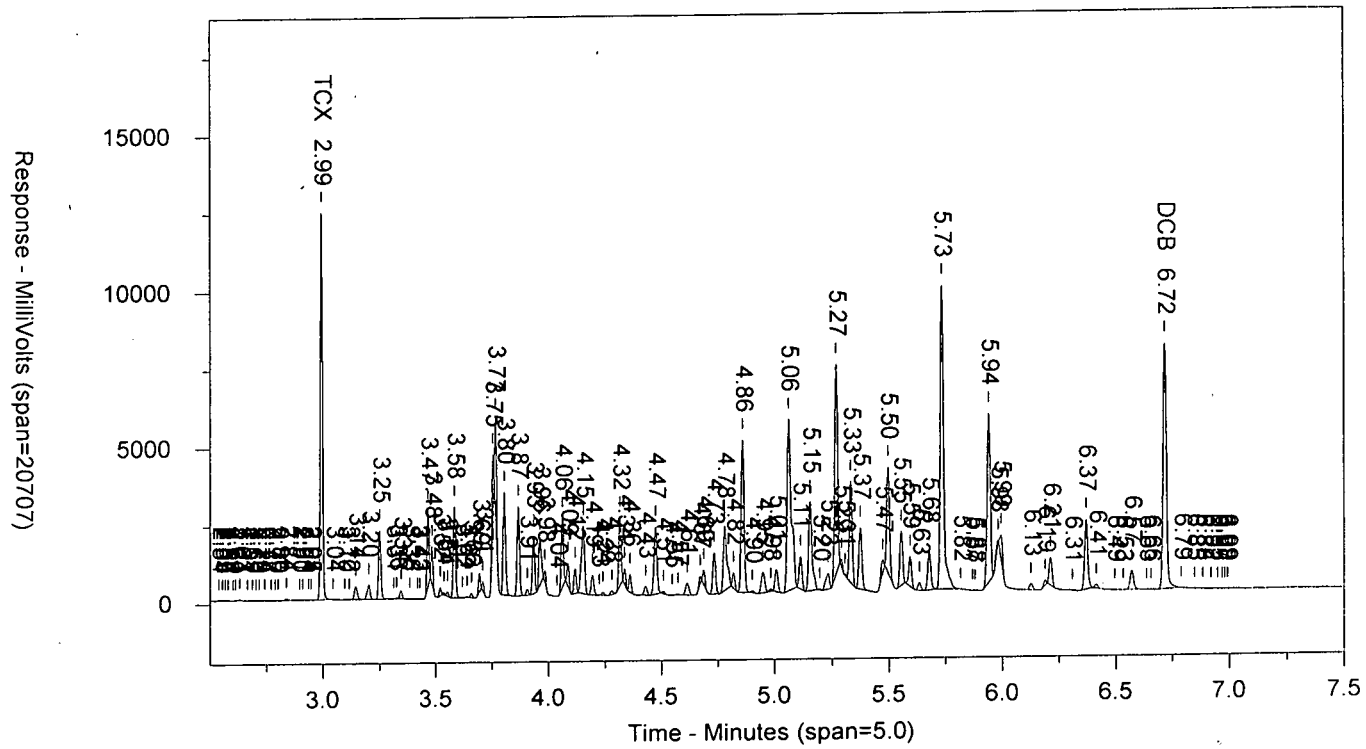

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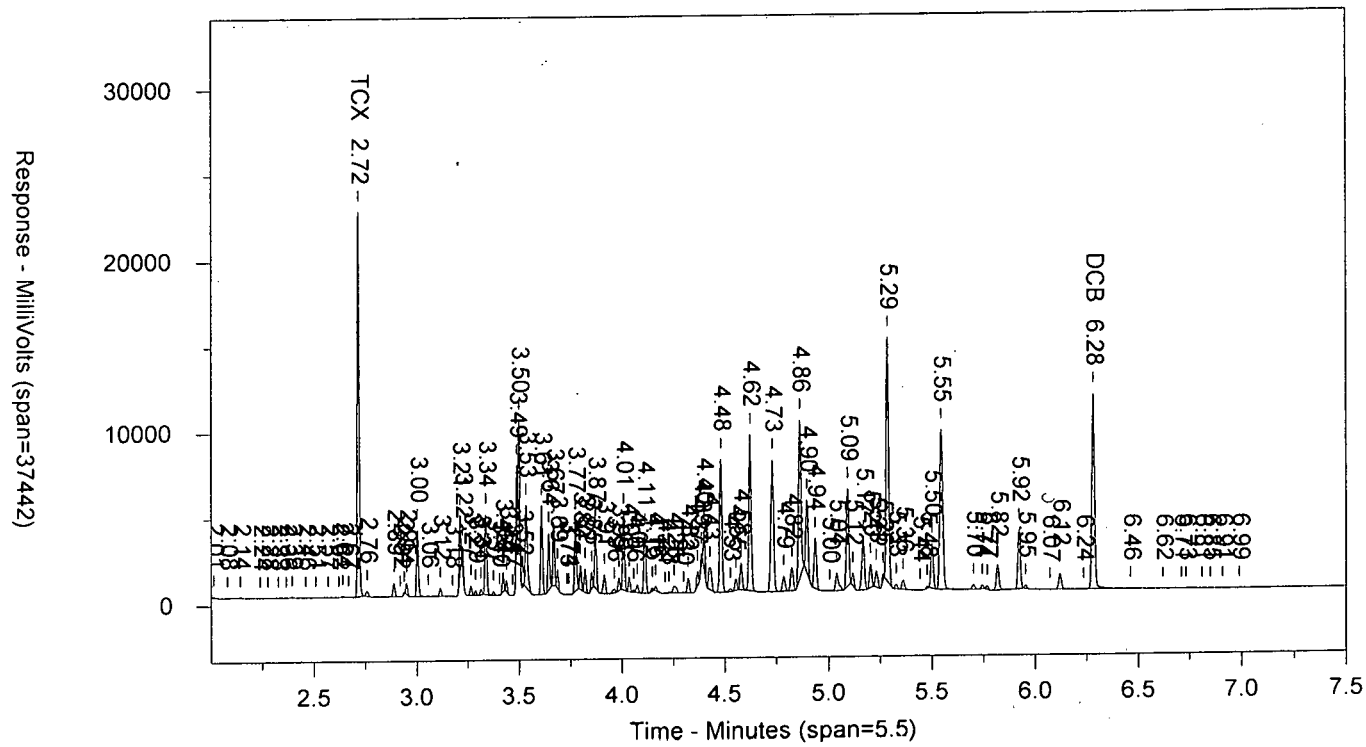

AR1661724B AAAR166AA ICAL 184699999 10227 SW-846 8082

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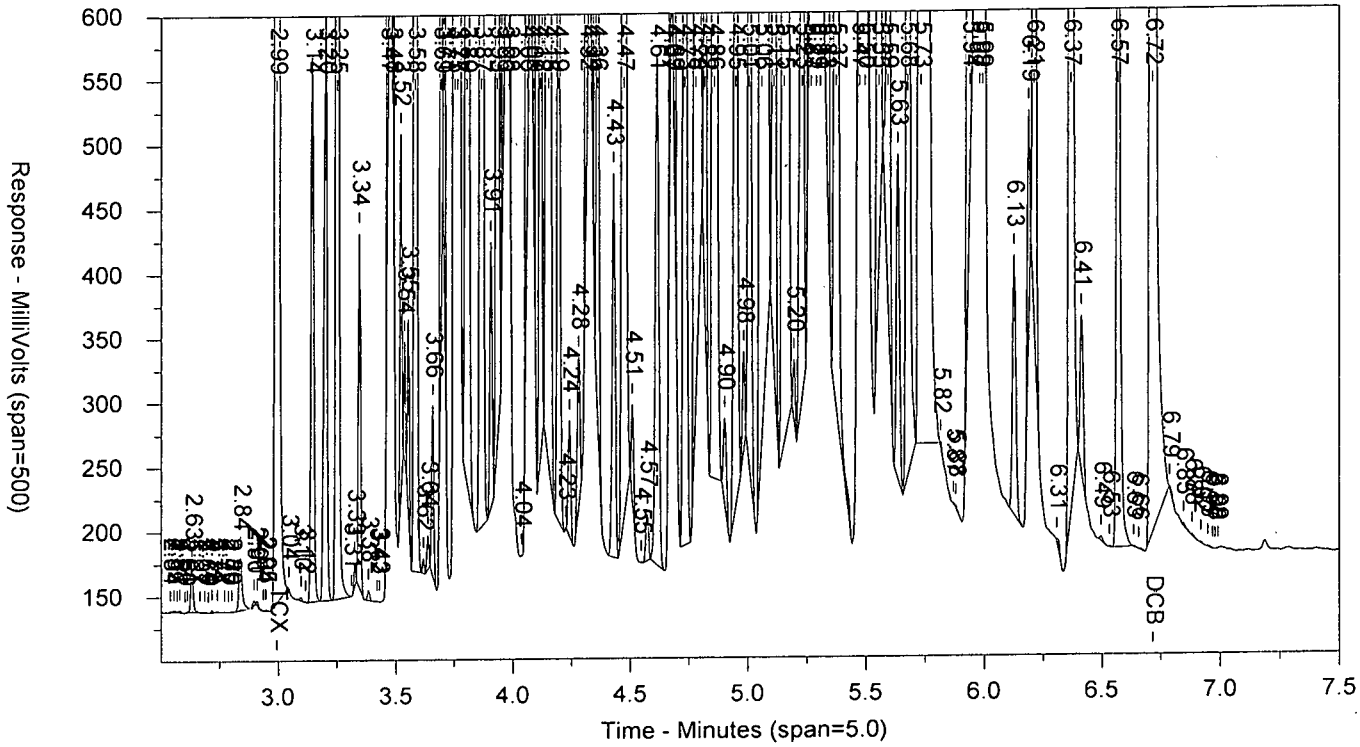

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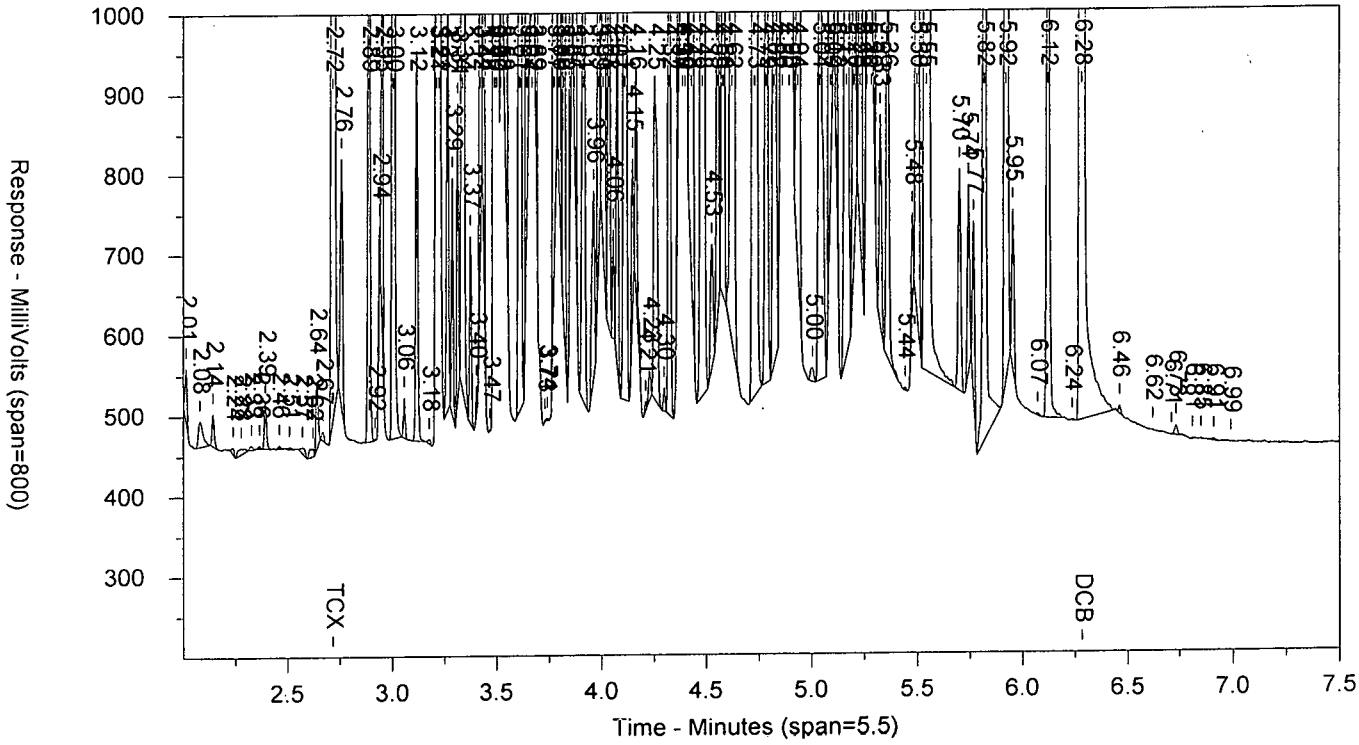

LANCASTER LABORATORIES

Sample Number: AR4811824A AAAR481AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:29:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.004		357	65
2.01		183	43
2.017		237	32
2.038		9367	7929
2.062		299	46
2.077		504	346
2.095		41	46
2.105		265	66
2.122		180	65
2.152		10531	17058
2.204		308	155
2.218		345	202
2.241		199	32
2.253		160	24
2.263		606	331
2.285		2006	2246
2.319		208	60
2.344		268	58
2.352		264	43
2.358		265	54
2.376		17420	11886
2.414		155	23
2.422		130	27
2.436		1788	1638
2.458		152	28
2.464		295	46
2.472		251	32
2.491		5900	5019
2.519		276	52
2.524		248	84
2.539		287	62
2.554		538	312
2.564		250	70
2.587		160	20
2.592		215	30
2.615		480	250
2.634		1048	896
2.652		196	29
2.657		267	57
2.663		179	26
2.686		126	76
2.698		255	35
2.717		135	54
2.737		260	66
2.744		315	156
2.77		163	68
2.777		238	64
2.784		218	46
2.801		243	115
2.813		287	116
2.819		284	53
2.839		33045	31230
2.883		114	87
2.898		4227	3448

RT A	Compound A	Height A	Area A
2.922		211	108
2.941		274	54
2.947		395	230
2.961		330	96
2.994	TCX	313531	212471
3.045		216	55
3.057		439	226
3.082		386	179
3.107		292	81
3.119		280	82
3.147		4452	4279
3.173		367	116
3.195		4964	5080
3.232		-104	0
3.253		16121	14158
3.291		232	66
3.302		278	81
3.309		219	51
3.332		227	230
3.346		2470	1629
3.364		219	35
3.373		152	48
3.382		255	49
3.392		323	186
3.419		191	77
3.428		179	40
3.434		420	176
3.446		206	51
3.469		43329	26182
3.487		14037	7202
3.524		2871	1579
3.54		1306	669
3.556		344	125
3.587		37767	26391
3.604		855	531
3.624		416	155
3.635		270	43
3.641		510	179
3.662		3366	2188
3.698		7347	4282
3.713		2620	1330
3.758		35233	17653
3.77		36231	18931
3.807		48025	38577
3.845		149	24
3.869		46395	37646
3.91		7252	4612
3.937		94920	68859
3.964		57401	46780
3.987		18228	9762
4.039		136	21
4.065		99509	71152
4.09		27245	18483
4.121		32984	24390
4.157		75194	74601
4.198		26349	21069
4.243		1364	701
4.281		10406	13131
4.319		66469	46035
4.34		75977	51519
4.364		83169	62242
4.433		7557	7170
4.473		78625	66828
4.494		16361	8711
4.512		14312	8960
4.552		1156	731

RT A	Compound A	Height A	Area A
4.578		4494	3192
4.62		25846	26926
4.652		209	35
4.674		32474	28978
4.705		18203	13588
4.736		56792	49938
4.781		1100	854
4.801		221	36
4.822		19705	17768
4.862		5092	5855
4.913		4321	3977
4.955		33421	41364
5.004		272	39
5.01		322	97
5.027		238	56
5.034		1286	1007
5.064		3515	2442
5.081		2401	1544
5.103		300	42
5.114		298	161
5.128		176	23
5.156		28085	30247
5.196		565	380
5.225		391	184
5.229		477	191
5.272		8520	7969
5.294		191	51
5.302		137	25
5.315		4685	6473
5.359		284	51
5.368		281	47
5.38		658	410
5.409		335	85
5.421		270	61
5.43		341	243
5.457		164	32
5.484		1462	1515
5.498		1006	704
5.537		257	87
5.558		1874	2245
5.582		258	39
5.643		5761	7186
5.681		1218	932
5.7		205	39
5.708		299	87
5.736		2311	1741
5.759		2446	1708
5.785		185	42
5.791		327	82
5.807		146	14
5.833		369	230
5.846		112	31
5.856		212	47
5.866		220	86
5.877		121	24
5.887		227	70
5.895		284	84
5.902		465	244
5.921		110	19
5.945		6048	7385
5.982		391	167
5.996		479	147
6.01		137	18
6.017		217	87
6.031		185	46
6.041		147	27

RT A	Compound A	Height A	Area A
6.047		235	34
6.061		360	158
6.071		132	34
6.08		334	109
6.096		133	37
6.1		286	49
6.11		164	51
6.131		3099	3011
6.147		266	55
6.16		165	104
6.175		162	23
6.196		2932	2396
6.227		2549	3798
6.254		277	176
6.274		439	219
6.289		277	113
6.304		339	131
6.314		235	54
6.32		446	92
6.329		266	112
6.342		253	56
6.351		273	58
6.356		166	37
6.371		1164	967
6.391		274	107
6.398		250	56
6.409		398	137
6.417		142	37
6.421		263	41
6.432		371	90
6.439		226	40
6.444		176	48
6.462		36	48
6.472		338	123
6.498		2664	3357
6.541		264	52
6.546		180	28
6.557		93	29
6.574		2446	2371
6.602		247	111
6.616		513	171
6.624		203	29
6.635		202	54
6.645		155	33
6.651		362	85
6.658		289	43
6.664		314	77
6.676		341	118
6.687		200	81
6.72	DCB	218029	262822
6.794		226	22
6.799		321	65
6.815		258	182
6.829		194	83
6.84		353	201
6.872		242	106
6.883		400	138
6.889		376	59
6.894		225	47
6.9		348	122
6.914		220	41
6.921		194	49
6.934		115	21
6.943		232	33
6.948		320	165
6.965		344	48

RT A	Compound A	Height A	Area A
6.971		308	62
6.978		234	101
6.994		182	55

LANCASTER LABORATORIES

Sample Number: AR4811824A AAAR481AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:29:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		5569	1673
2.081		23705	40207
2.279		2321	5499
2.321		3657	3636
2.571		7786	13136
2.62		9617	15795
2.64		69987	69253
2.716	TCX	526997	338759
2.89		10536	7943
2.938		12546	19317
3.004		29132	18167
3.059		1043	650
3.085		2387	1911
3.104		722	138
3.116		5442	3340
3.138		717	102
3.153		953	317
3.175		1013	368
3.214		68848	36381
3.225		9539	3684
3.267		5439	2860
3.288		4691	2933
3.311		675	171
3.317		1358	434
3.339		66556	46398
3.376		6255	3412
3.404		1490	520
3.423		7894	3722
3.435		12773	7086
3.49		62613	30089
3.501		64058	27129
3.521		12977	5352
3.535		69865	45763
3.583		938	182
3.594		337	104
3.611		91778	58847
3.646		151809	97141
3.67		135345	80393
3.689		45715	23823
3.744		3078	3925
3.777		182475	122047
3.801		58551	33158
3.823		58698	37971
3.855		28041	15087
3.873		119373	77154
3.916		48107	36192
3.966		8651	7973
3.988		82209	52459
4.011		226908	153016
4.037		152803	101291
4.057		12117	6002
4.077		27334	18685
4.114		68175	48178
4.152		96960	71208

RT B	Compound B	Height B	Area B
4.167		8022	2384
4.182		57574	33634
4.229		9368	9617
4.266		31333	23500
4.326		65272	50642
4.36		38139	27311
4.388		100959	78532
4.487		38777	40509
4.523		10820	9786
4.556		61479	45896
4.582		2618	1496
4.6		1765	679
4.624		9837	6970
4.654		5079	3583
4.731		10671	10675
4.784		58295	55605
4.836		1725	850
4.866		17826	17786
4.899		1226	783
4.936		1472	1680
4.998		732	547
5.052		1218	1548
5.095		3236	2210
5.12		6056	6049
5.174		3252	4870
5.208		1097	1097
5.239		2557	1871
5.265		2141	1378
5.288		5207	3970
5.363		4994	3715
5.391		1606	4260
5.453		2279	1820
5.489		594	245
5.503		2233	1503
5.55		4999	5825
5.666		1007	299
5.7		3843	2768
5.725		1043	378
5.743		1586	1277
5.772		6294	5827
5.818		2694	2389
5.924		3160	5764
5.997		2736	7737
6.123		4156	3670
6.153		898	871
6.205		1459	1366
6.231		894	330
6.242		1150	996
6.285	DCB	335276	310316
6.431		986	218
6.477		960	852
6.495		1367	862
6.57		1740	2734
6.714		963	676
6.853		1046	336
6.892		1375	561

AR4811824A AAAR481AA ICAL 184699999 10227 SW-846 8082

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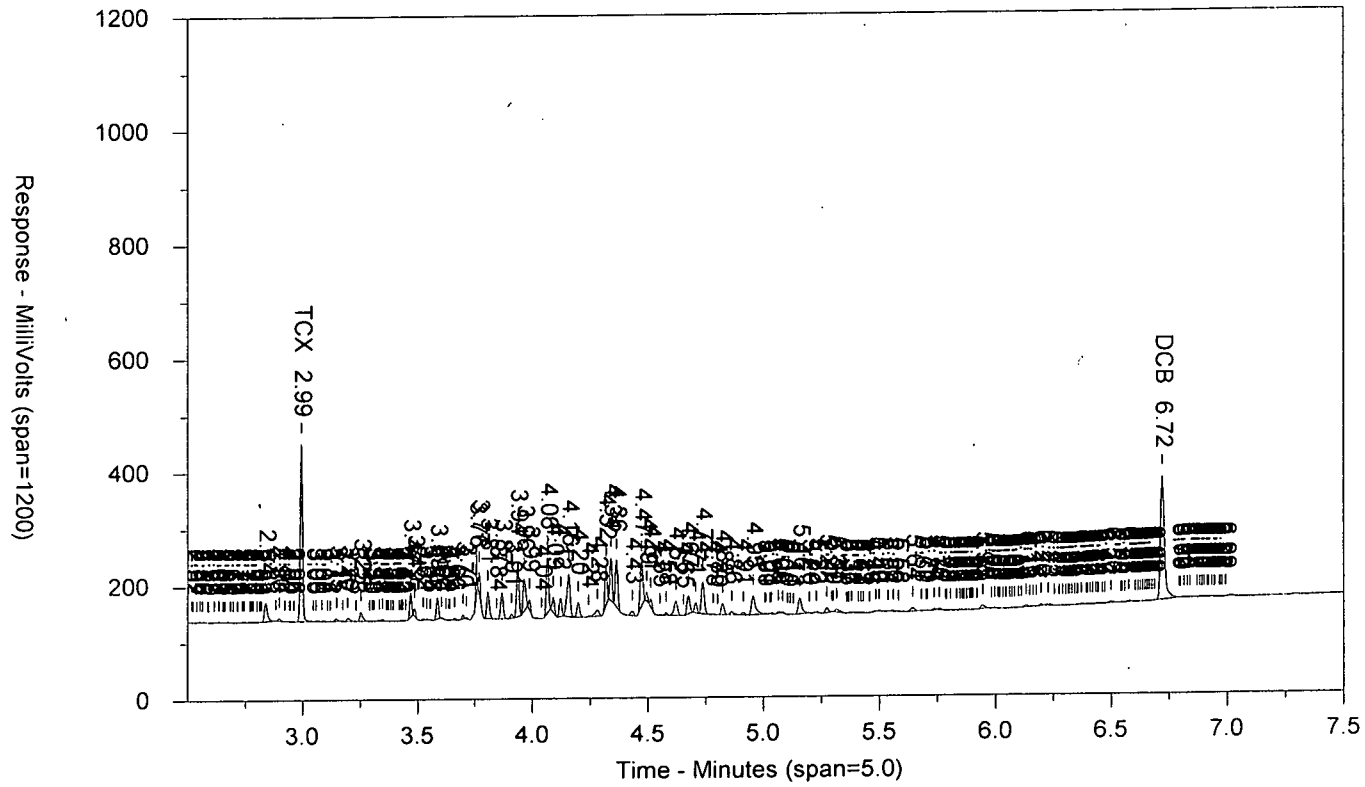

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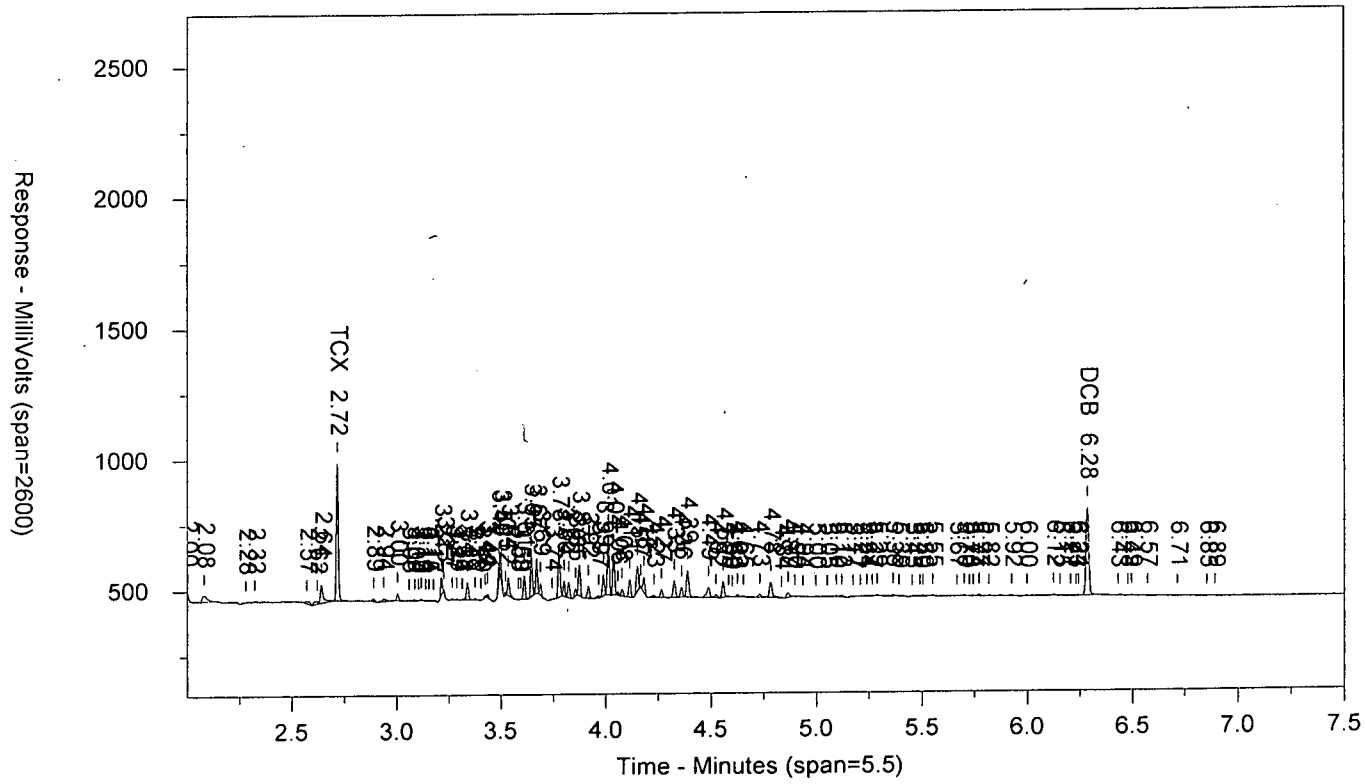

LANCASTER LABORATORIES

Sample Number: AR4811824A AAAR481AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:29:52 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.994	313531	2.038	TCX	2.716	526997	1.996	TCX
6.72	218029	2.311	DCB	6.285	335276	2.331	DCB

Files:
Area File: 25pcbs18047001.013.RAW
Area File: 25pcbs18047001B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 4:38:24 PM
File Reported On: 2/16/2018 at 4:38:35 PM

AR4811824A AAAR481AA ICAL 184699999 10227 SW-846 8082

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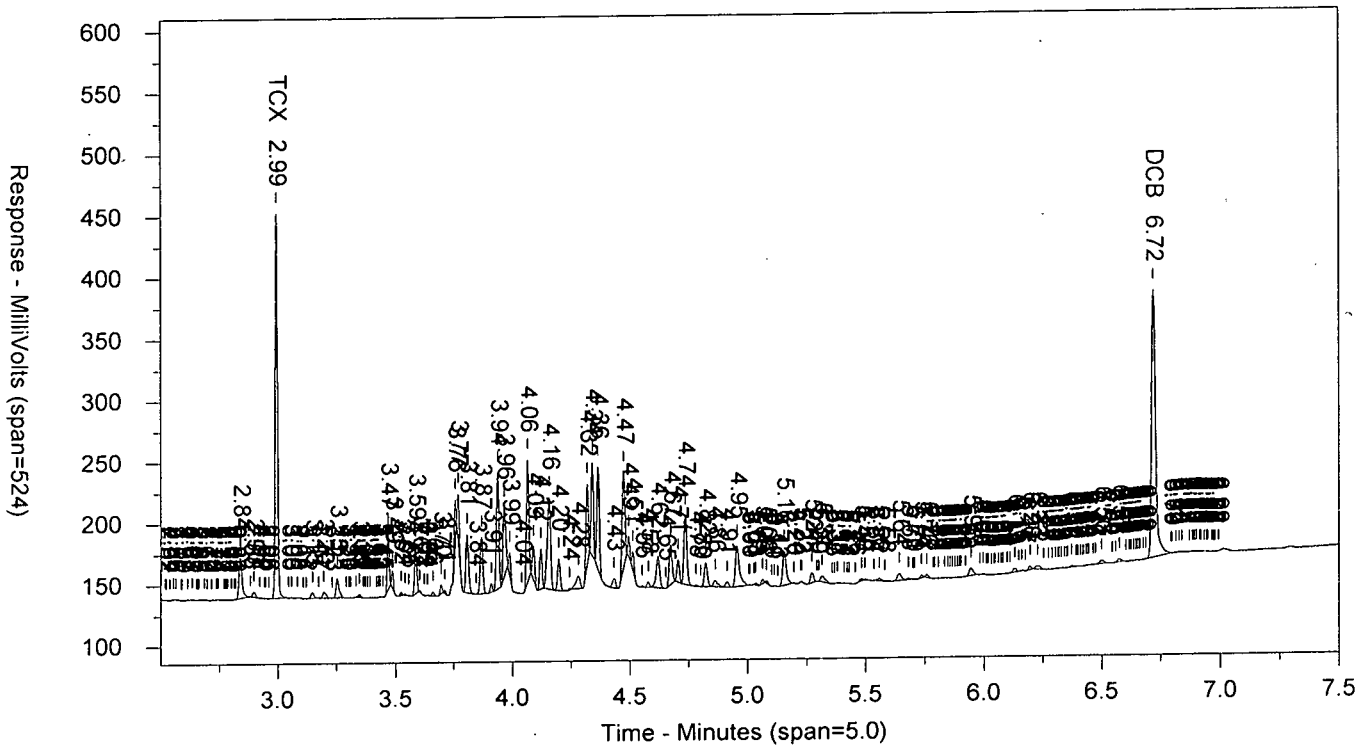

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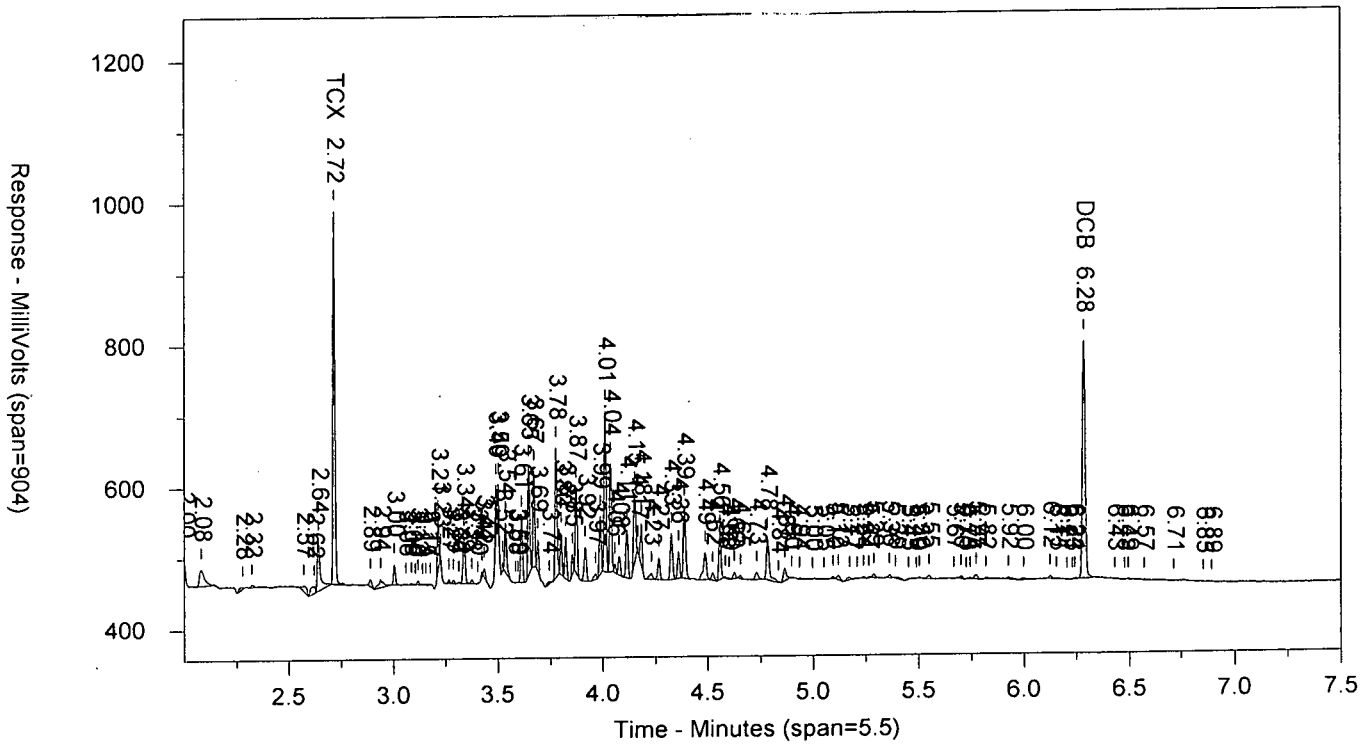

AR4811824A AAAR481AA ICAL 184699999 10227 SW-846 8082

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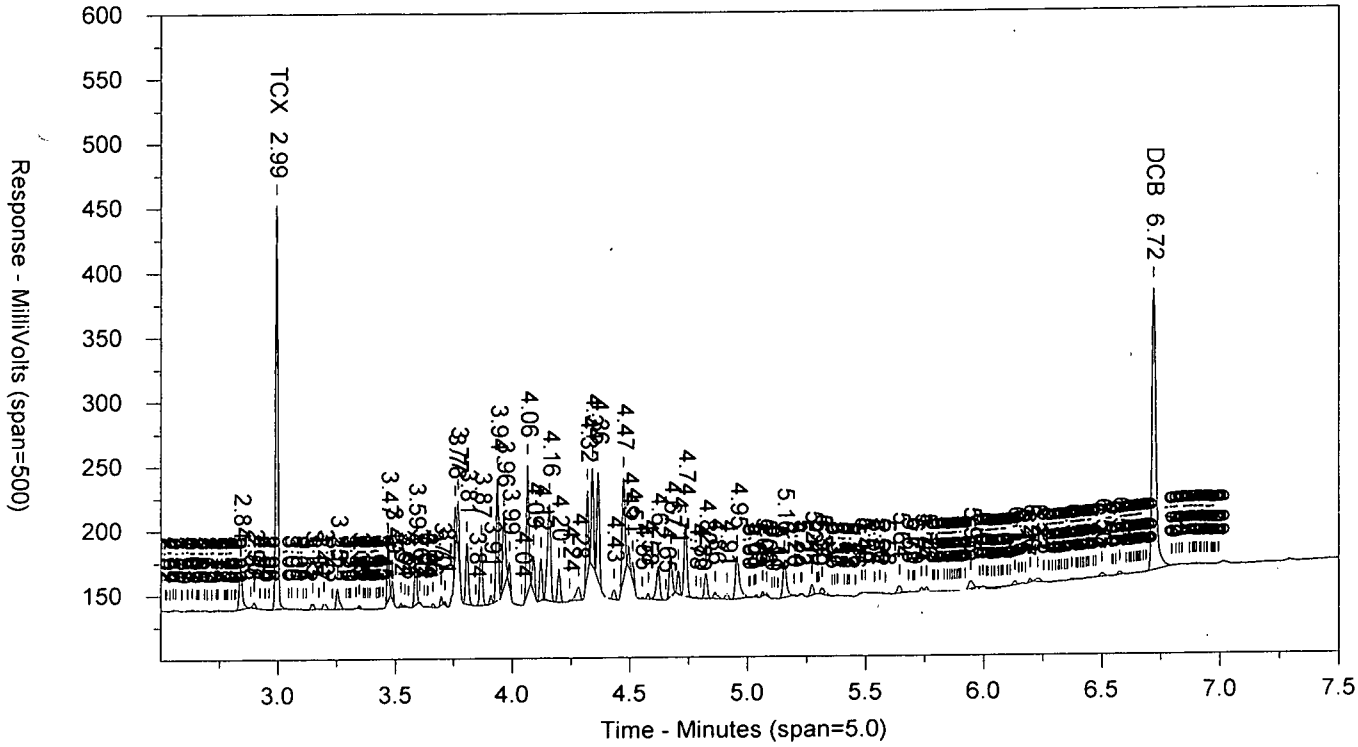

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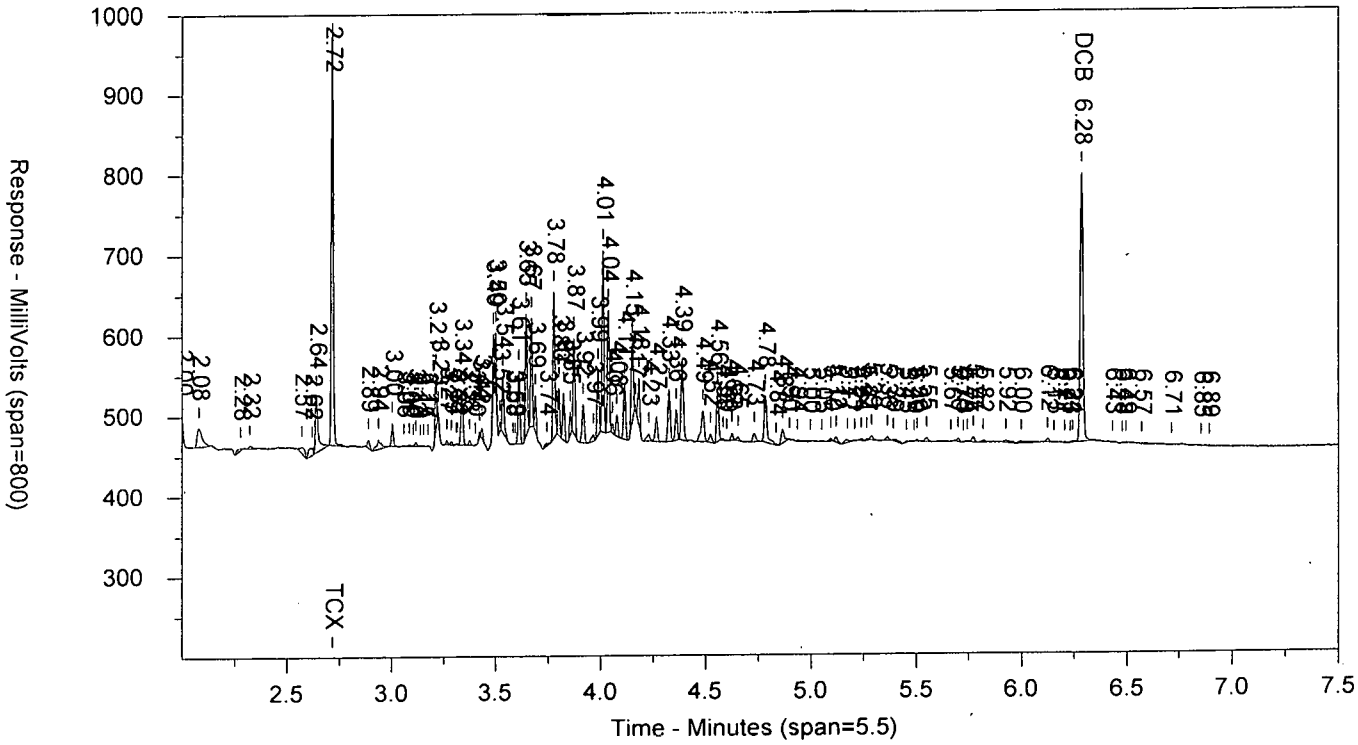

LANCASTER LABORATORIES

Sample Number: AR4821824A AAAR482AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:41:11 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.007		388	114
2.017		155	35
2.037		8667	7349
2.08		562	485
2.091		260	105
2.099		125	48
2.109		171	90
2.127		141	31
2.151		9743	16732
2.202		342	131
2.211		243	101
2.243		290	48
2.259		494	364
2.284		2876	1983
2.303		453	194
2.32		151	22
2.326		382	77
2.337		184	28
2.345		271	184
2.375		19147	12087
2.395		694	411
2.435		1684	1735
2.458		159	55
2.464		235	51
2.475		126	25
2.492		6070	4749
2.525		189	69
2.54		82	19
2.555		480	302
2.581		172	35
2.586		256	80
2.608		339	82
2.614		279	59
2.621		221	32
2.631		1470	1074
2.662		281	168
2.687		436	265
2.711		124	13
2.722		372	192
2.743		642	347
2.753		159	36
2.761		186	27
2.77		213	59
2.776		216	92
2.801		278	56
2.806		222	61
2.838		33662	32387
2.896		4138	3344
2.946		378	329
2.993	TCX	624241	415858
3.057		789	412
3.082		319	82
3.088		281	100
3.101		348	52

RT A	Compound A	Height A	Area A
3.111		225	64
3.124		113	15
3.146		8839	7494
3.177		254	66
3.194		9612	9249
3.224		283	42
3.231		277	50
3.251		30068	24463
3.293		235	38
3.3		239	69
3.313		150	40
3.328		931	573
3.345		5650	3487
3.364		323	88
3.383		273	120
3.396		311	48
3.406		180	39
3.413		482	100
3.419		236	39
3.434		288	170
3.445		144	23
3.467		84905	50769
3.484		26170	13696
3.522		5485	3190
3.538		2544	1219
3.554		873	453
3.585		77639	59788
3.626		172	40
3.642		1045	587
3.66		6079	3974
3.696		13473	8209
3.71		4848	2438
3.755		71085	38357
3.767		62434	33816
3.805		95575	76583
3.866		90193	74499
3.908		14402	9350
3.935		171212	126655
3.962		110728	90227
3.984		33896	18139
4.025		320	132
4.063		177008	136142
4.088		54351	35950
4.118		67561	48435
4.154		148806	144157
4.195		51773	41379
4.224		231	65
4.242		3668	2193
4.281		16172	17467
4.317		126709	89742
4.337		146535	98433
4.361		159988	123130
4.43		15811	14707
4.471		142023	129230
4.493		37809	19532
4.509		26544	15622
4.55		2422	1604
4.575		8996	6793
4.617		48032	47529
4.67		68884	57907
4.703		36750	27472
4.734		112155	99298
4.777		531	163
4.782		750	192
4.796		439	66
4.819		40441	35161

RT A	Compound A	Height A	Area A
4.859		9765	11151
4.91		9042	8072
4.951		66031	75323
5.011		430	300
5.033		3763	3262
5.06		6229	4077
5.079		4838	3216
5.109		1624	1419
5.153		57529	59668
5.196		1301	770
5.225		4663	4858
5.271		16507	15125
5.29		215	73
5.312		4526	6466
5.36		275	49
5.376		1546	1245
5.394		178	31
5.419		294	74
5.424		237	63
5.442		228	29
5.48		3941	3064
5.494		743	684
5.533		231	66
5.542		328	109
5.556		1817	1600
5.578		442	120
5.592		196	37
5.596		407	212
5.612		200	45
5.638		6803	8477
5.678		2053	1786
5.704		330	215
5.737		3613	3033
5.756		4143	3100
5.798		371	96
5.809		184	47
5.818		203	36
5.826		241	43
5.833		200	99
5.845		233	45
5.85		210	71
5.859		275	45
5.874		205	107
5.879		367	91
5.892		121	45
5.904		53	45
5.908		234	78
5.942		7576	9249
5.979		174	112
5.994		1231	1193
6.033		295	98
6.039		303	63
6.047		282	72
6.057		220	49
6.064		338	87
6.078		291	65
6.091		227	53
6.105		117	64
6.128		6433	6154
6.158		156	19
6.164		253	48
6.173		205	35
6.192		6216	5037
6.216		419	237
6.226		439	332
6.254		166	20

RT A	Compound A	Height A	Area A
6.265		124	27
6.273		171	27
6.278		302	50
6.285		174	36
6.292		421	99
6.303		278	75
6.312		218	47
6.316		186	28
6.321		300	39
6.327		351	89
6.344		274	176
6.369		1939	1724
6.392		348	74
6.402		308	80
6.408		236	39
6.42		144	36
6.427		332	76
6.438		232	42
6.444		265	90
6.458		274	89
6.484		303	80
6.499		1694	1757
6.518		118	26
6.53		230	66
6.539		384	77
6.548		338	75
6.57		5324	5413
6.595		404	88
6.601		308	66
6.614		227	69
6.621		122	16
6.628		314	101
6.638		213	52
6.648		437	109
6.655		188	34
6.669		483	190
6.68		295	107
6.718	DCB	406933	479133
6.788		412	174
6.821		120	24
6.838		312	98
6.848		235	26
6.858		265	63
6.876		266	54
6.886		457	129
6.895		328	64
6.909		364	140
6.926		373	128
6.942		122	46
6.955		249	36
6.961		242	51
6.984		314	142
6.989		386	79

LANCASTER LABORATORIES

Sample Number: AR4821824A AAAR482AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:41:11 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		5732	1471
2.079		20853	36018
2.295		2140	10357
2.324		3528	3812
2.506		1857	4377
2.615		9582	14256
2.64		71597	72444
2.716	TCX	1037003	659672
2.816		1594	2503
2.888		20164	16029
2.937		18767	26627
3.003		54865	34975
3.054		2724	1628
3.085		1150	724
3.101		717	110
3.116		10050	5886
3.138		967	196
3.147		822	172
3.169		560	198
3.177		1447	1905
3.213		120725	63212
3.224		19548	7929
3.266		11052	6238
3.288		8099	4932
3.313		3995	2094
3.338		124492	88487
3.375		12381	7309
3.404		2080	1012
3.422		25122	12938
3.436		10737	5694
3.489		120000	54576
3.499		125859	53178
3.519		25831	10847
3.534		128316	87876
3.573		490	95
3.578		888	128
3.61		170295	111938
3.644		286156	181790
3.668		259889	150625
3.687		86796	45887
3.74		2815	3659
3.754		485	56
3.775		331194	229773
3.799		104633	62275
3.822		107664	71795
3.853		52693	27482
3.871		223787	145352
3.915		91285	68335
3.963		17773	15615
3.986		161729	104412
4.009		423694	285057
4.035		288736	193419
4.056		24699	11989
4.075		36612	22647

RT B	Compound B	Height B	Area B
4.112		129036	93136
4.15		188718	135866
4.165		13191	3943
4.179		104524	62047
4.227		17478	15794
4.264		67909	53243
4.298		1091	723
4.324		123005	97589
4.358		71242	52138
4.387		191643	145908
4.427		4098	4030
4.485		75458	77570
4.521		19405	15406
4.554		116326	89749
4.579		4415	2403
4.6		2661	1439
4.623		16753	11523
4.652		10163	7790
4.729		20217	23203
4.783		114409	92876
4.821		3545	4238
4.864		31782	29073
4.896		2681	1267
4.914		2360	944
4.936		2407	1985
5.003		2316	2694
5.04		1038	726
5.093		5646	4048
5.117		11136	10635
5.167		5316	6438
5.202		1638	1396
5.239		5139	4196
5.265		3430	2132
5.288		8441	7432
5.362		9151	7562
5.461		1264	1571
5.5		4273	3902
5.548		8583	9843
5.702		8697	7301
5.769		11056	10118
5.819		4434	4256
5.923		4700	4271
6.033		1129	3896
6.079		1048	428
6.123		8639	12676
6.283	DCB	597228	596235
6.434		1074	897
6.573		1156	1227
6.615		893	924
6.842		1121	2637
6.947		1184	868
6.987		983	435

AR4821824A AAAR482AA ICAL 184699999 10227 SW-846 8082

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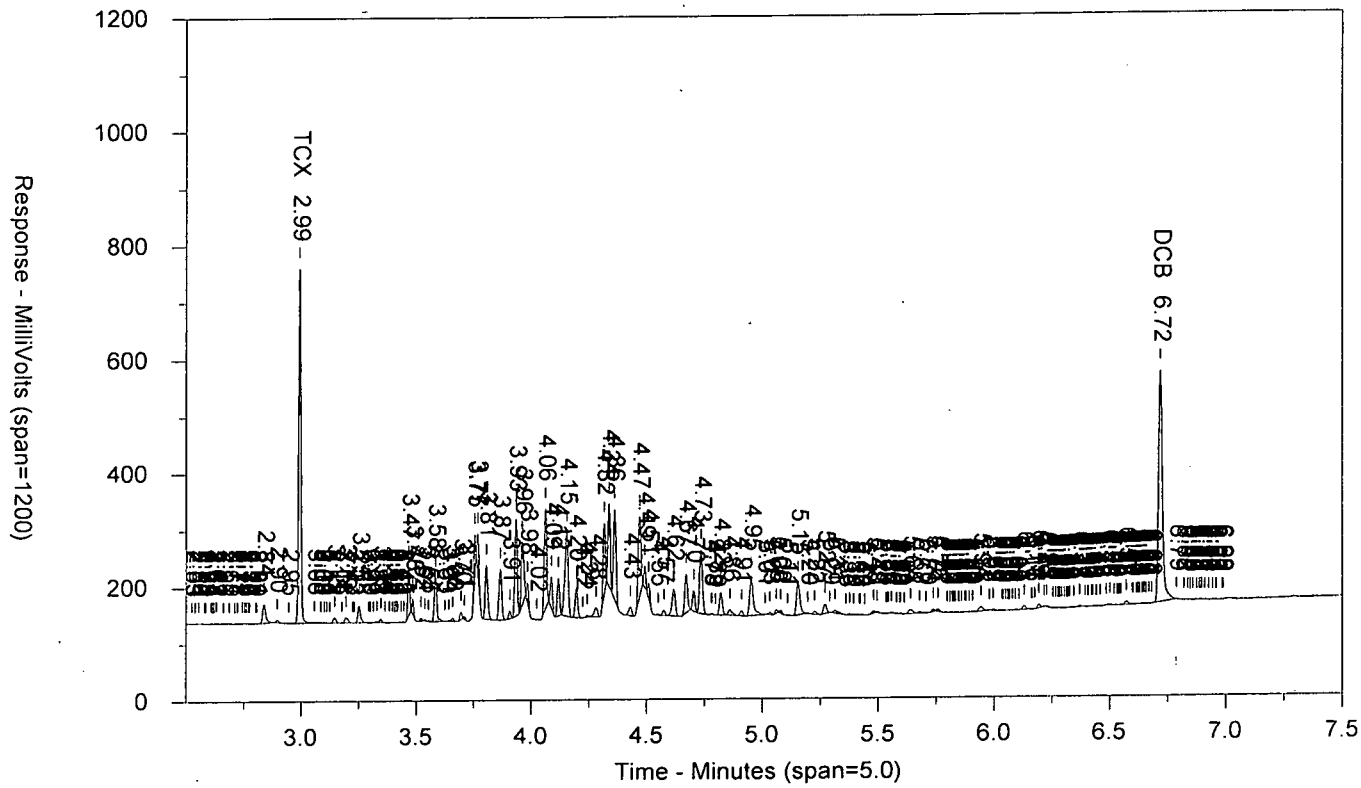

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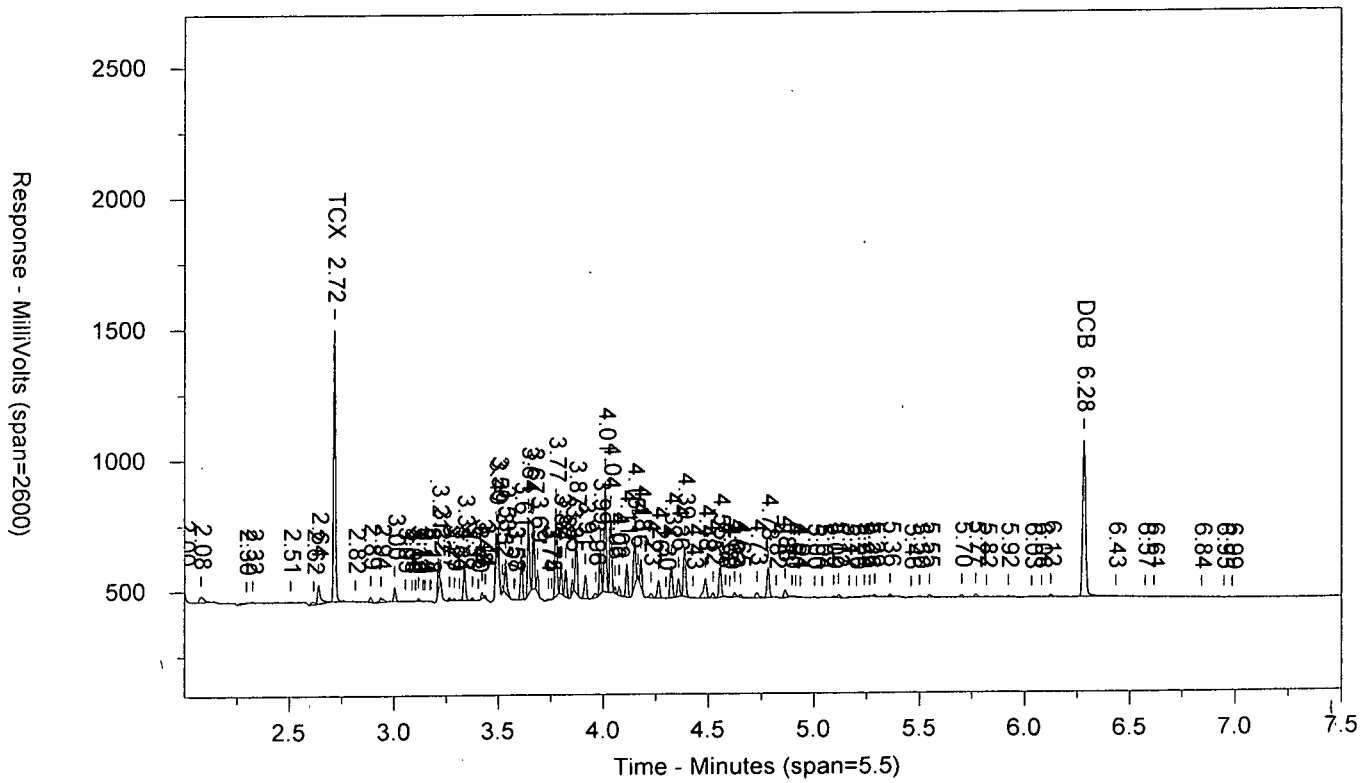

LANCASTER LABORATORIES

Sample Number: AR4821824A AAAR482AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:41:11 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	624241	4.058	TCX	2.716	1037003	3.928	TCX
6.718	406933	4.313	DCB	6.283	597228	4.152	DCB

Files:
Area File: 25pcbs18047001.014.RAW
Area File: 25pcbs18047001B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 4:49:42 PM
File Reported On: 2/16/2018 at 4:49:53 PM

AR4821824A AAAR482AA ICAL 184699999 10227 SW-846 8082

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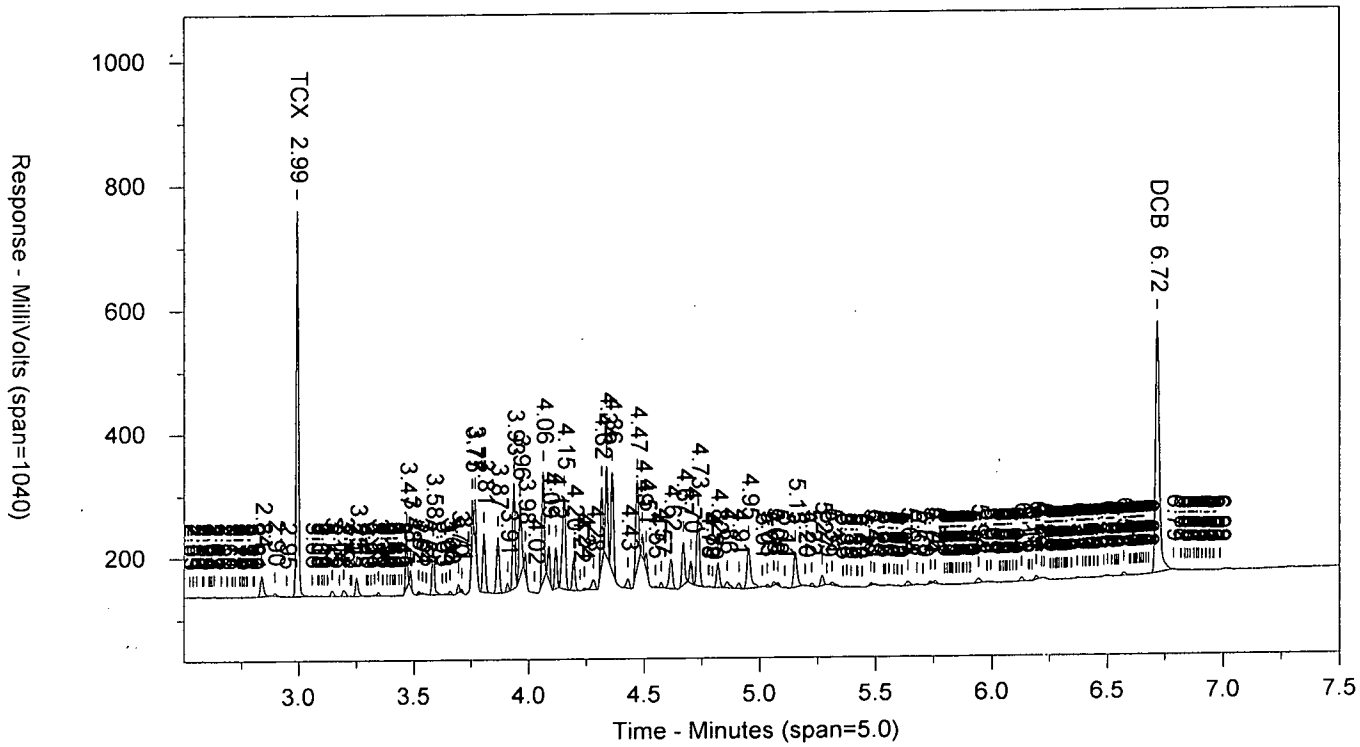

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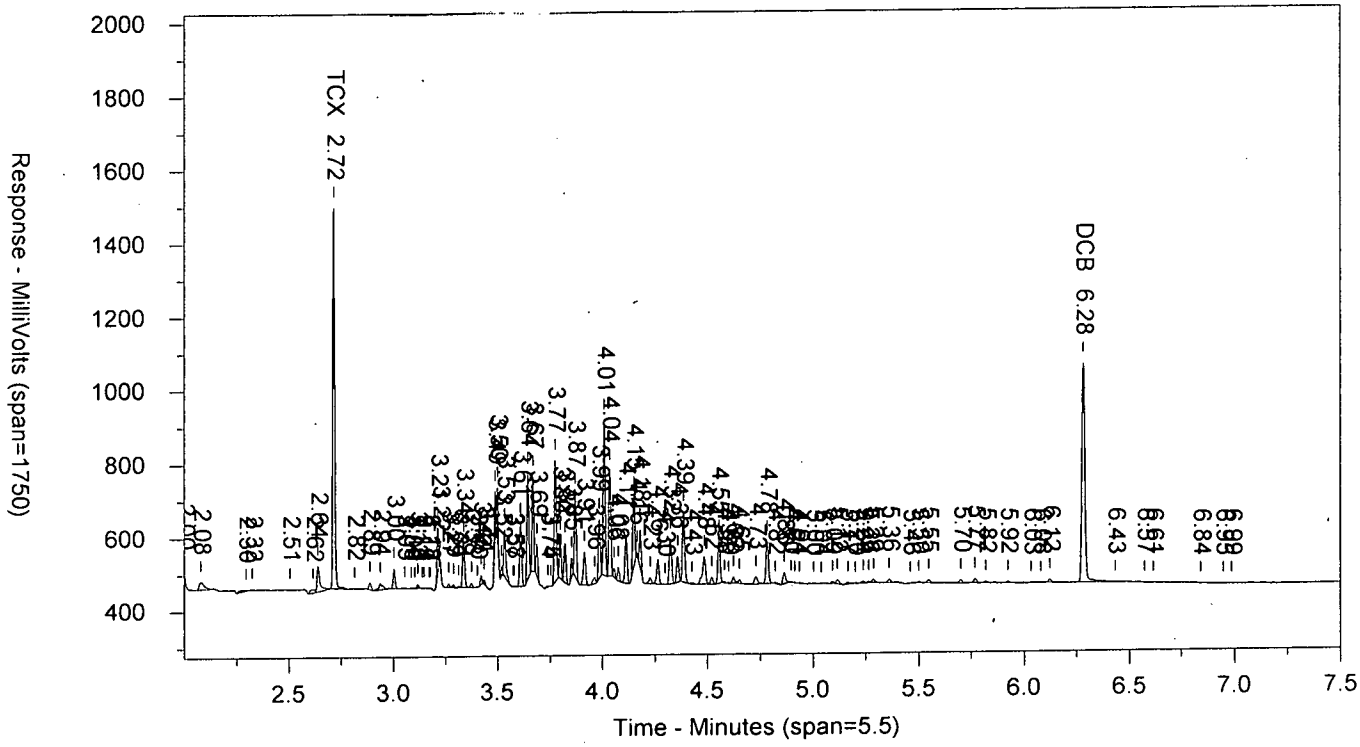

AR4821824A AAAR482AA ICAL 184699999 10227 SW-846 8082

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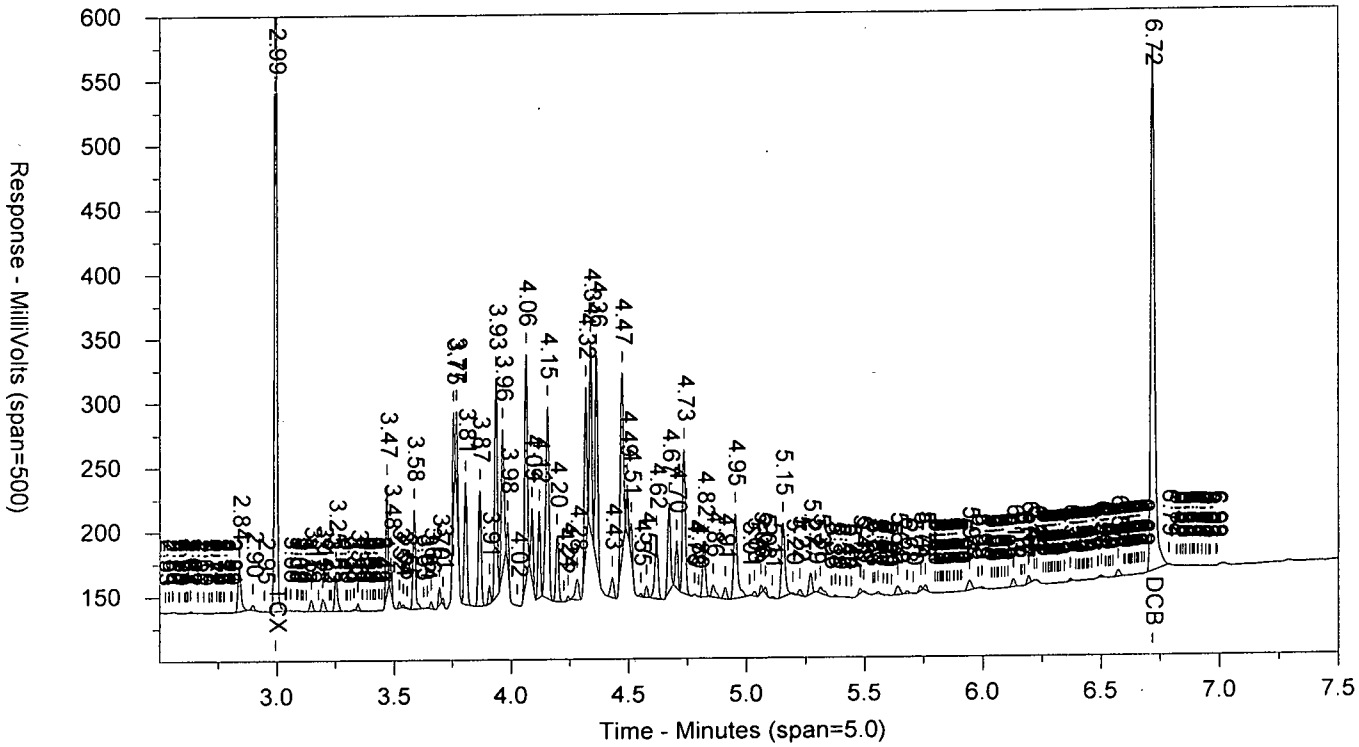

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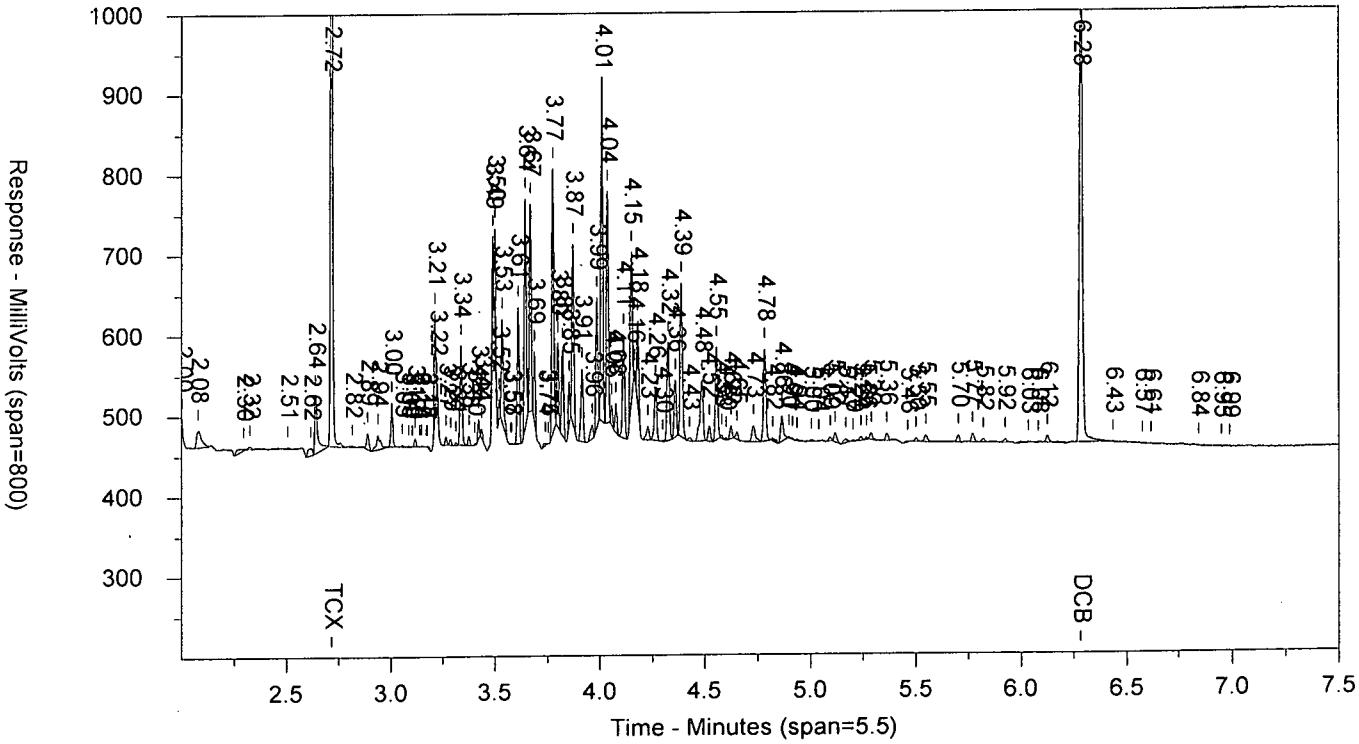

LANCASTER LABORATORIES

Sample Number: AR4831824A AAAR483AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:52:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.009		261	65
2.015		480	171
2.038		8697	7284
2.059		216	33
2.073		597	339
2.082		387	122
2.097		259	175
2.105		307	239
2.149		8694	14692
2.204		459	298
2.223		623	268
2.245		257	36
2.252		160	26
2.259		348	155
2.284		14953	11097
2.319		207	29
2.324		291	97
2.339		209	44
2.355		272	57
2.375		14334	8888
2.394		4770	2745
2.436		1895	1975
2.491		6182	5028
2.518		328	80
2.535		158	58
2.553		883	1113
2.583		259	134
2.598		194	29
2.617		262	237
2.633		1818	1401
2.653		308	92
2.68		173	95
2.689		411	232
2.707		398	62
2.722		249	151
2.726		209	31
2.739		577	422
2.755		166	50
2.769		297	185
2.784		357	94
2.802		160	46
2.81		174	27
2.819		171	51
2.838		27976	26029
2.897		4626	3873
2.944		221	53
2.95		478	84
2.956		308	45
2.993	TCX	3048418	1973176
3.057		389	78
3.077		424	208
3.095		566	268
3.105		249	26
3.113		255	104

RT A	Compound A	Height A	Area A
3.146		16364	14265
3.195		41395	32206
3.251		55044	42364
3.297		220	48
3.309		216	63
3.326		5657	3272
3.346		10438	6375
3.375		211	82
3.382		203	33
3.409		186	97
3.425		225	73
3.431		331	56
3.45		227	112
3.468		147627	92270
3.485		50587	25717
3.522		10850	6019
3.539		5109	2440
3.555		1890	859
3.585		145132	108728
3.642		5410	3242
3.66		11437	7045
3.696		25615	15599
3.711		8551	4068
3.755		124541	67251
3.767		115561	62726
3.805		173395	141952
3.867		169429	137167
3.908		27020	17950
3.935		306552	222792
3.962		189071	157589
3.984		58811	33506
4.033		416	121
4.063		327144	243016
4.087		97153	65290
4.119		122270	89683
4.155		265244	262666
4.196		98652	77365
4.225		544	184
4.243		7682	4938
4.282		26519	25674
4.317		229186	160960
4.338		275767	178751
4.362		287730	223413
4.43		28853	26982
4.471		271330	232913
4.492		64519	33307
4.509		48014	29301
4.55		4023	2553
4.574		16984	12796
4.617		92788	84848
4.67		126375	109327
4.703		69278	52481
4.733		205751	181183
4.78		4430	3769
4.82		77478	67596
4.858		18187	20975
4.91		16796	15199
4.952		119738	113300
4.983		8333	5698
5.009		1082	414
5.034		7818	6958
5.062		11286	7739
5.079		9036	5958
5.113		2282	1883
5.154		112553	114963
5.195		1606	984

RT A	Compound A	Height A	Area A
5.225		18237	19138
5.27		30135	27600
5.291		879	296
5.311		4350	3100
5.332		3392	2076
5.375		2757	2633
5.403		176	40
5.433		350	187
5.456		350	60
5.48		7157	5651
5.498		2936	1880
5.54		229	65
5.558		3044	2625
5.575		373	119
5.591		809	776
5.637		19742	21946
5.679		4214	3804
5.701		506	334
5.736		5679	4072
5.758		22017	19336
5.799		475	86
5.806		274	102
5.832		351	107
5.842		210	71
5.848		200	65
5.857		179	26
5.872		135	24
5.889		249	127
5.898		308	120
5.906		342	53
5.911		172	30
5.942		12327	14594
5.996		3442	5179
6.029		221	83
6.034		312	88
6.043		349	98
6.06		249	70
6.072		240	33
6.08		253	41
6.085		259	41
6.094		230	90
6.128		29612	29928
6.159		362	48
6.194		27934	24309
6.214		3314	2204
6.259		268	129
6.273		253	52
6.281		361	120
6.297		202	49
6.303		304	51
6.311		410	76
6.319		344	71
6.331		305	141
6.368		4309	4160
6.393		243	62
6.413		378	207
6.419		328	110
6.429		210	31
6.441		423	304
6.456		188	25
6.461		239	35
6.468		345	70
6.473		171	24
6.503		2610	3356
6.528		306	80
6.537		357	176

RT A	Compound A	Height A	Area A
6.549		323	34
6.575		22308	24693
6.64		131	185
6.653		197	36
6.663		199	41
6.672		123	34
6.68		341	113
6.72	DCB	1774459	2010231
6.807		674	717
6.832		629	705
6.864		272	47
6.874		512	202
6.886		522	154
6.91		439	193
6.924		631	163
6.938		549	149
6.951		612	176
6.966		365	93
6.981		263	52
6.993		479	138

LANCASTER LABORATORIES

Sample Number: AR4831824A AAAR483AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:52:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		4784	7523
2.083		18438	30795
2.143		10972	7679
2.203		3482	14429
2.28		4903	12024
2.324		3813	3737
2.395		2212	1873
2.456		1848	2908
2.623		7482	11670
2.64		57074	52149
2.716	TCX	5173477	3163469
2.889		36219	27180
2.937		73874	64680
3.003		100441	64539
3.056		12853	7808
3.087		1118	413
3.116		19213	12505
3.142		507	86
3.155		1056	336
3.175		650	288
3.213		219613	116205
3.225		29918	12464
3.266		21594	12632
3.288		15741	9341
3.314		7511	4080
3.338		229968	160809
3.376		23213	14309
3.405		10300	5205
3.422		48477	25677
3.437		20333	9599
3.489		217776	108863
3.499		223486	94852
3.519		41077	17028
3.533		234392	158978
3.589		496	130
3.61		310797	204763
3.644		520142	322861
3.668		460083	268151
3.687		156164	82004
3.736		1221	1663
3.741		811	197
3.775		601035	415237
3.799		191305	111722
3.821		201658	128977
3.853		93411	50896
3.871		407984	262344
3.915		165296	125199
3.963		36127	30265
3.986		298100	193297
4.009		758936	517857
4.035		539582	350679
4.056		45632	22551
4.075		53817	33392
4.112		234447	172214

RT B	Compound B	Height B	Area B
4.149		369102	315751
4.179		194480	114904
4.227		30719	25900
4.264		125760	100714
4.296		3737	1994
4.323		229457	179315
4.358		130799	96197
4.386		346970	267210
4.427		6690	7060
4.484		139175	142392
4.52		35956	27604
4.554		211835	165517
4.578		6350	3354
4.6		11743	7336
4.622		29021	19917
4.652		16961	12603
4.729		38969	38168
4.782		202247	172534
4.836		21470	20764
4.863		57177	49813
4.897		3116	1333
4.912		3843	2152
4.937		4153	3126
5.006		3271	3707
5.057		2671	3592
5.092		9654	7334
5.117		19054	16758
5.167		7606	10163
5.201		2974	1965
5.239		22734	18325
5.265		5892	3669
5.287		17313	14453
5.362		42305	48822
5.451		1514	990
5.501		7913	6443
5.549		15508	15328
5.702		43006	36164
5.733		1202	1249
5.77		53315	45162
5.82		17481	18139
5.923		8027	7986
5.984		840	382
6.016		651	494
6.082		1334	1261
6.123		35895	30237
6.151		721	417
6.228		1308	302
6.25		1174	1088
6.284	DCB	2651778	2518233
6.435		1955	1564
6.606		875	387
6.681		1210	381
6.702		1059	501
6.736		3361	3232
6.818		1138	1029
6.955		992	1139

AR4831824A AAAR483AA ICAL 184699999 10227 SW-846 8082

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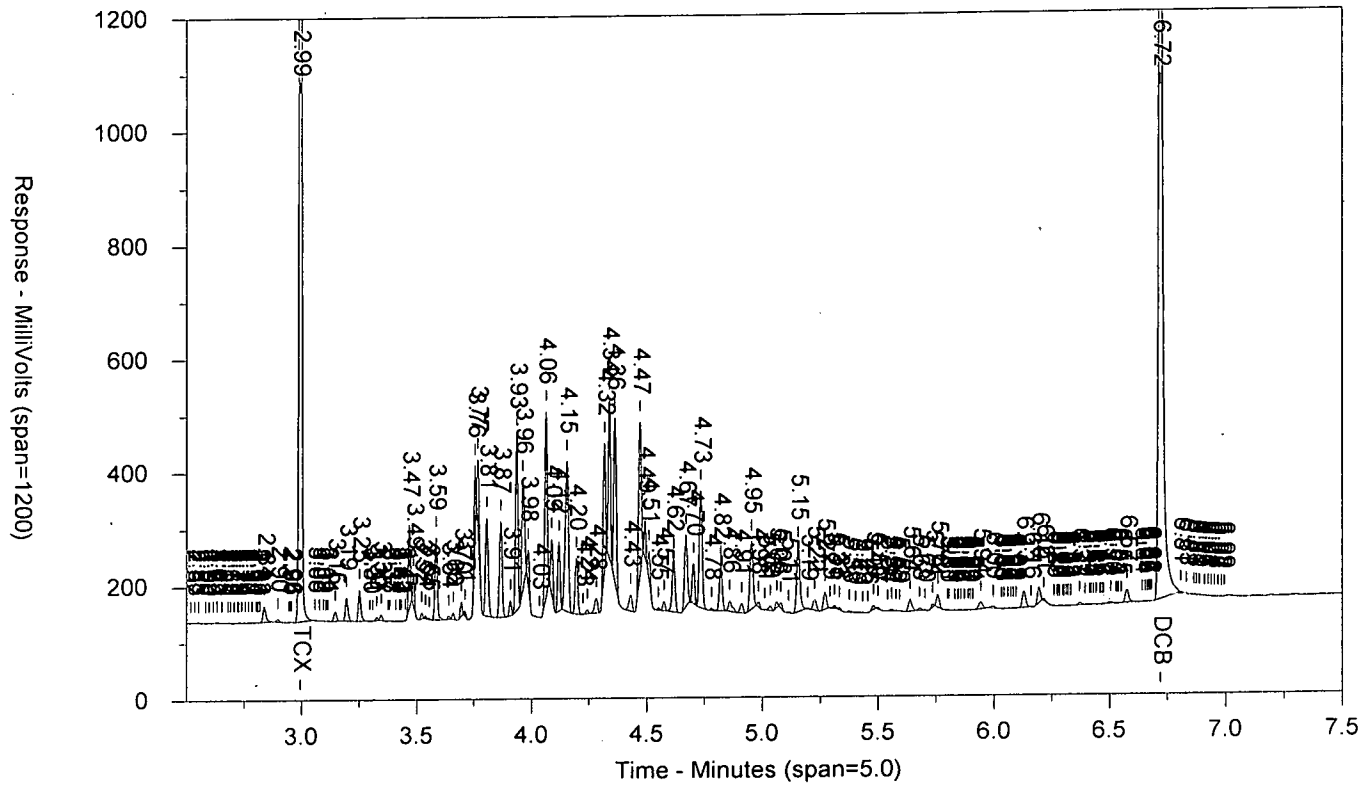

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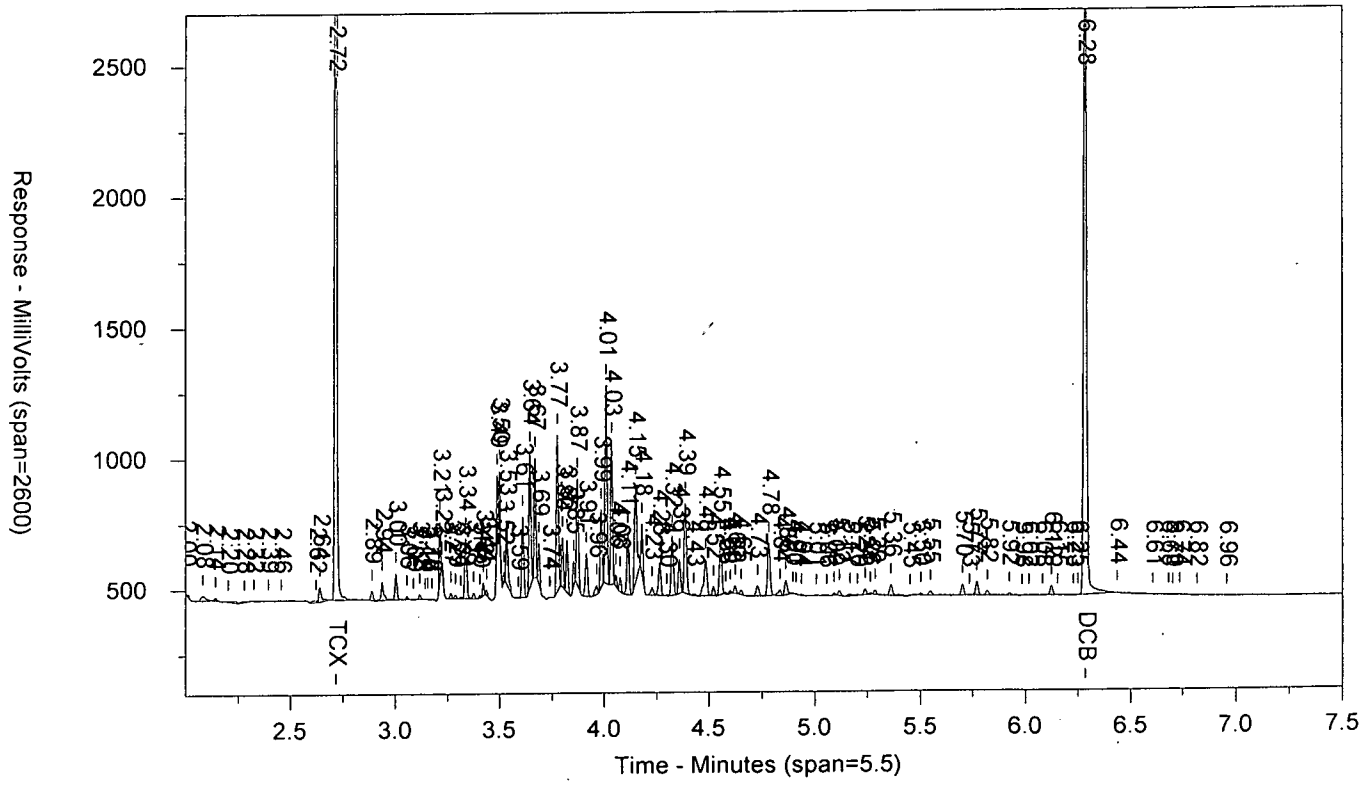

LANCASTER LABORATORIES

Sample Number: AR4831824A AAAR483AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 4:52:28 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	3048418	19.817	TCX	2.716	5173477	19.596	TCX
6.72	1774459	18.807	DCB	6.284	2651778	18.435	DCB

Files:
Area File: 25pcbs18047001.015.RAW
Area File: 25pcbs18047001B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 5:01:00 PM
File Reported On: 2/16/2018 at 5:01:11 PM

AR4831824A AAAR483AA ICAL 184699999 10227 SW-846 8082

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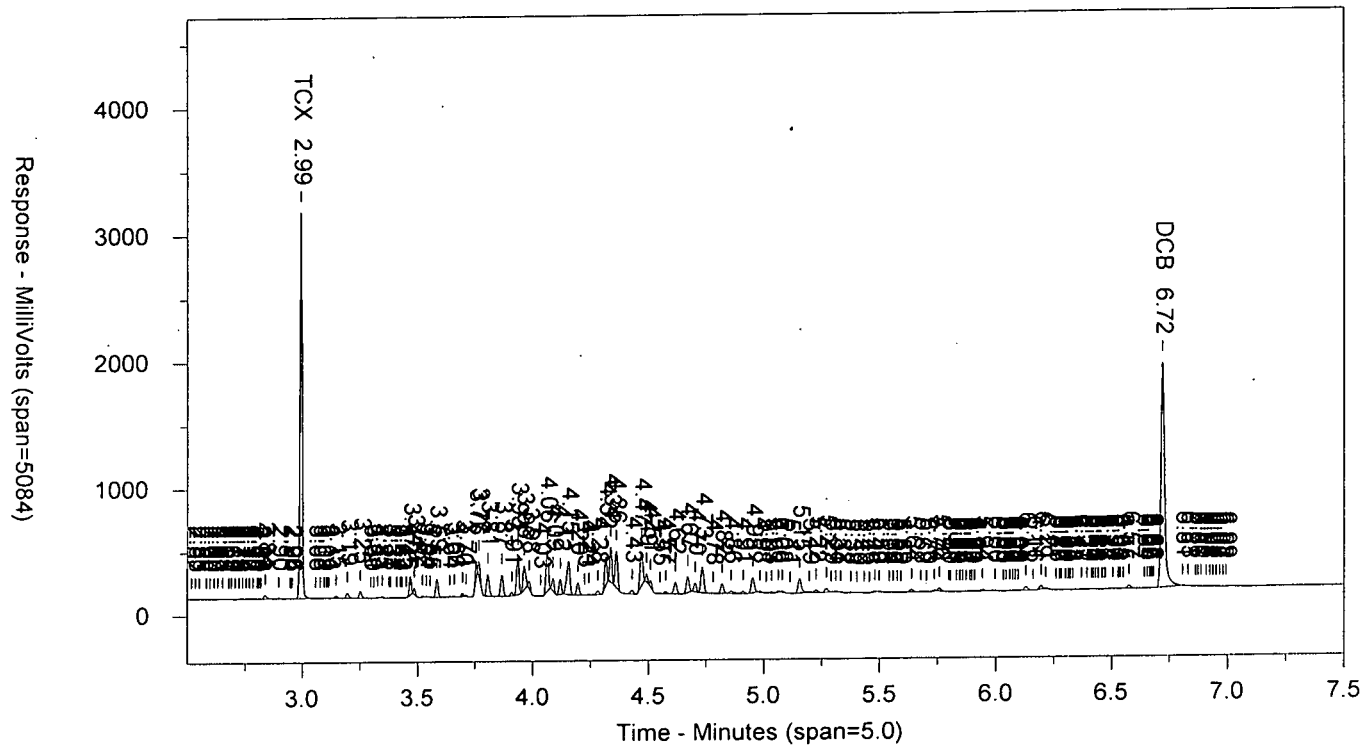

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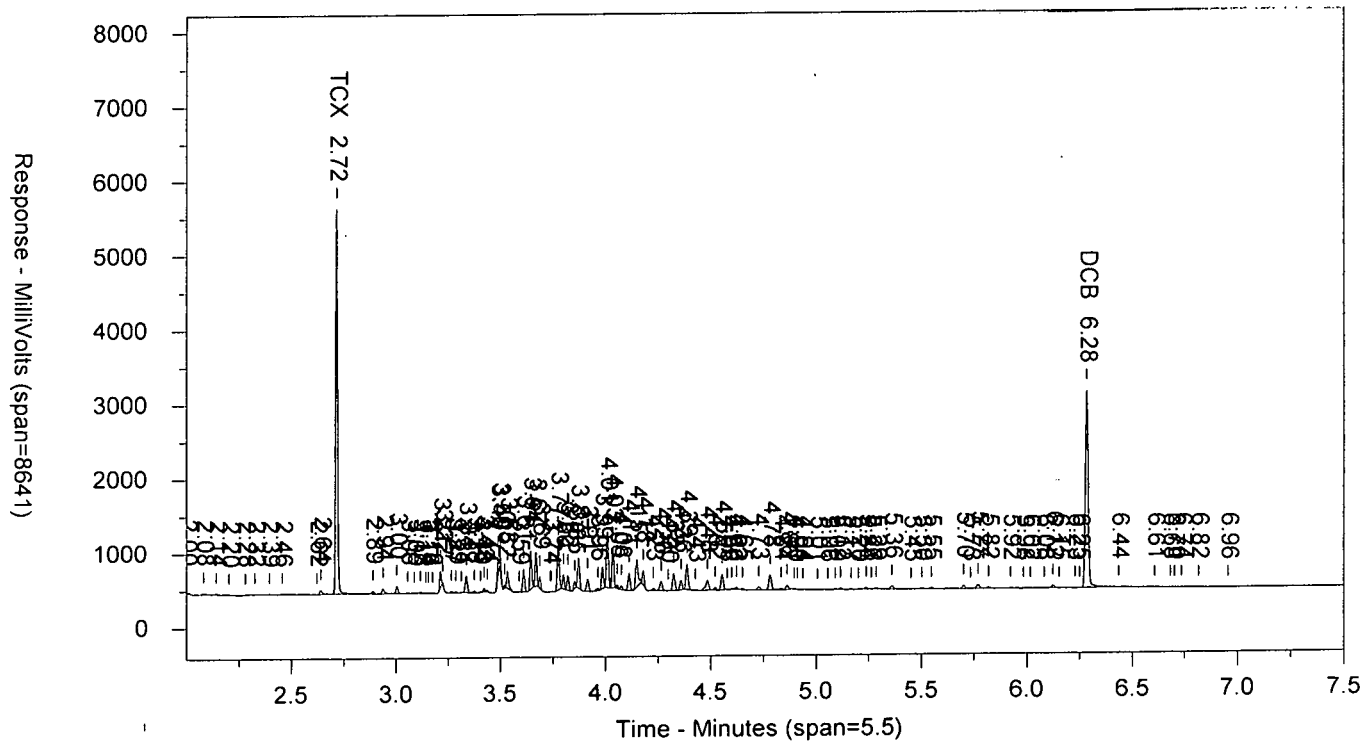

AR4831824A AAAR483AA ICAL 184699999 10227 SW-846 8082

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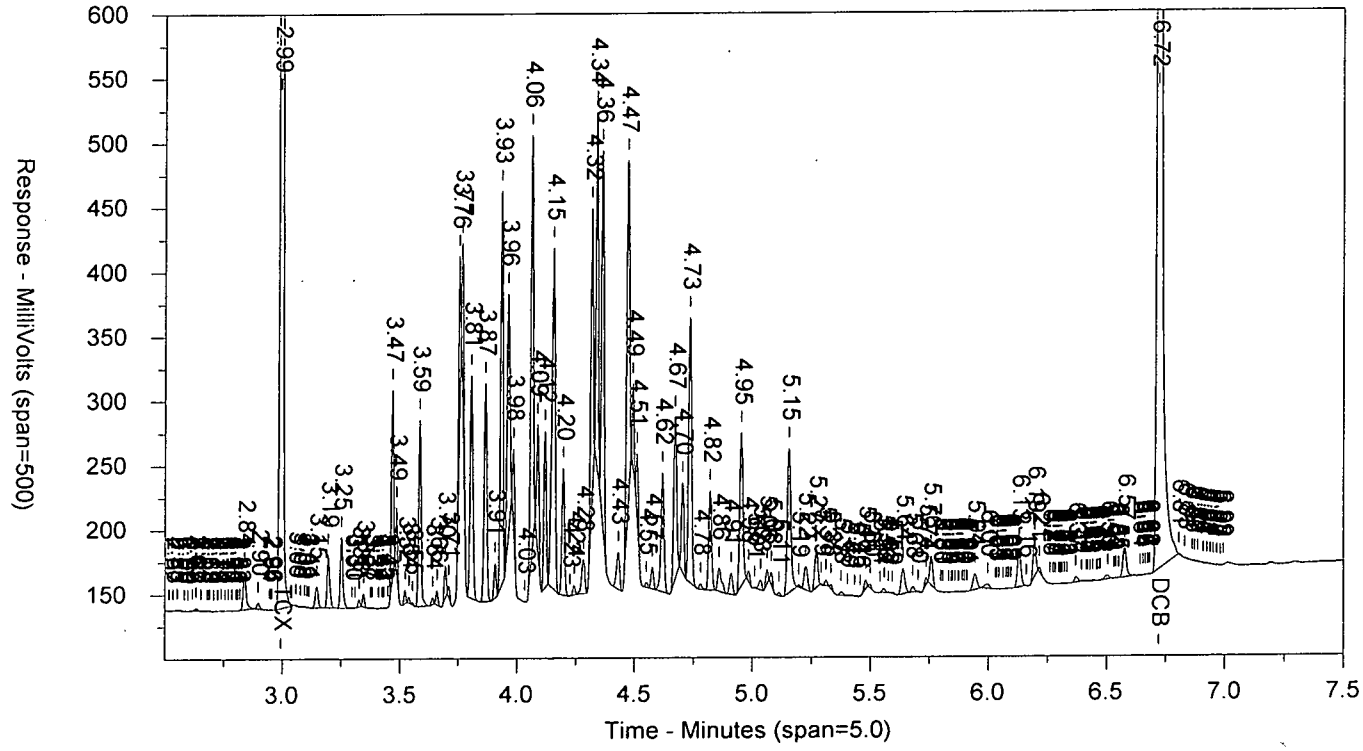

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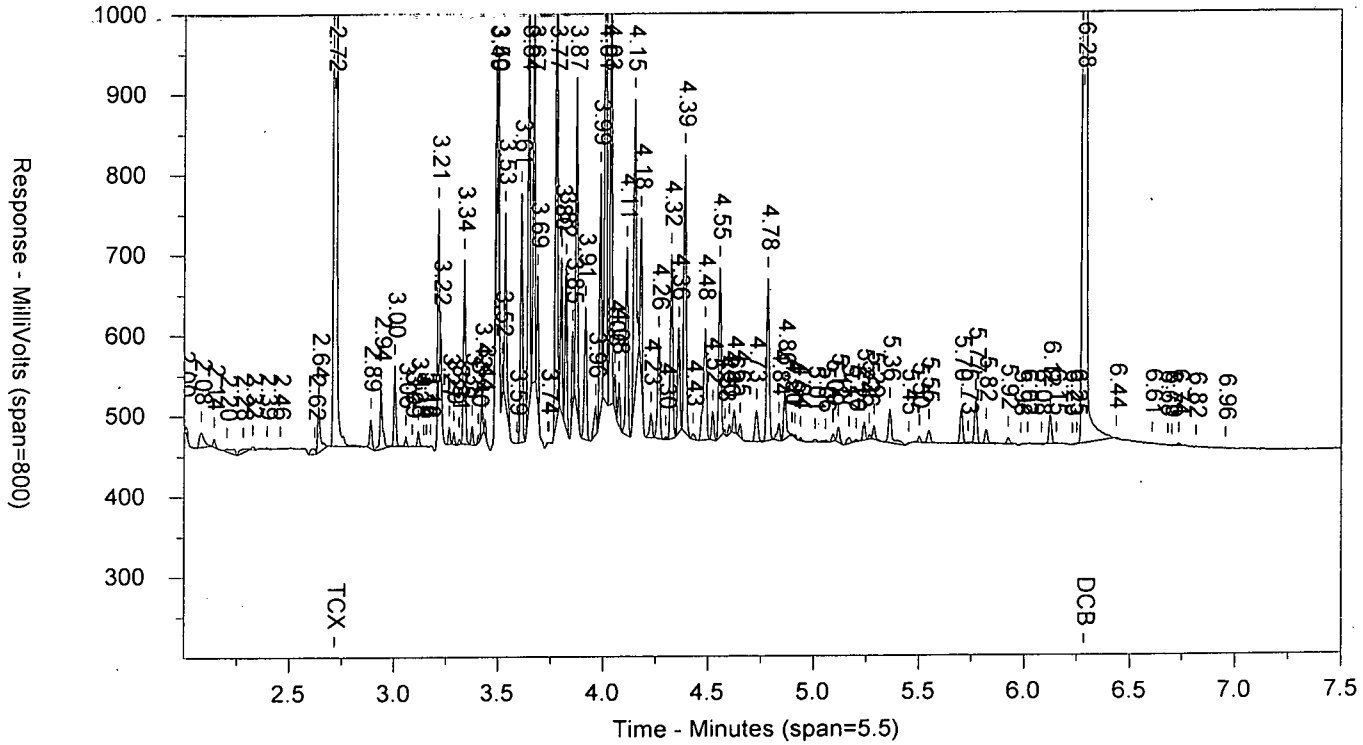

LANCASTER LABORATORIES

Sample Number: AR4841824A AAAR484AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:03:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.002		84	24
2.013		249	115
2.038		4760	3915
2.061		160	30
2.067		300	69
2.081		323	243
2.087		398	132
2.093		331	80
2.1		248	56
2.12		191	29
2.153		15950	25318
2.22		564	238
2.252		197	32
2.257		179	31
2.263		355	117
2.284		29183	21548
2.339		231	58
2.358		174	73
2.375		15280	9430
2.395		9794	5789
2.437		1717	1801
2.471		199	35
2.49		3420	2770
2.519		182	41
2.533		353	63
2.538		238	52
2.555		650	560
2.598		231	41
2.611		536	293
2.631		2772	2018
2.653		215	150
2.675		229	42
2.681		222	49
2.687		338	58
2.719		538	226
2.745		425	315
2.758		153	28
2.769		193	87
2.793		184	25
2.806		148	103
2.838		44961	45362
2.896		2029	1997
2.944		174	30
2.95		167	30
2.955		240	75
2.993	TCX	6437795	4081495
3.095		1735	1095
3.146		28781	24424
3.167		303	53
3.194		83309	64779
3.251		104199	75377
3.298		288	80
3.309		157	22
3.326		11455	6708

RT A	Compound A	Height A	Area A
3.345		19972	11880
3.386		636	323
3.395		196	43
3.411		227	103
3.426		208	31
3.434		206	61
3.467		272368	166356
3.484		90814	47696
3.522		20782	11875
3.538		9315	4349
3.554		4331	1987
3.585		268571	194921
3.619		718	302
3.642		12425	7172
3.66		19802	11992
3.695		51486	30346
3.711		15567	7380
3.755		229472	122051
3.766		233384	117944
3.805		318860	261510
3.866		324019	258710
3.908		52157	35334
3.935		566167	410655
3.962		368396	296514
3.984		113483	63243
4.062		606777	460829
4.087		177841	118396
4.118		227696	168065
4.154		522848	500255
4.195		182954	147761
4.225		897	364
4.242		16458	11320
4.282		53824	46848
4.316		452452	311102
4.337		540901	350504
4.361		580034	434929
4.43		57788	54247
4.47		515364	453957
4.492		149417	76981
4.509		93334	53760
4.55		8330	5228
4.574		32791	24020
4.617		166756	152282
4.67		233740	207637
4.702		135267	103266
4.733		399952	345096
4.779		7257	4685
4.819		149881	131601
4.858		35731	40602
4.908		32653	30364
4.951		217099	216526
4.983		14882	10801
5.007		1339	503
5.033		15761	13525
5.061		21940	15040
5.079		16700	10940
5.111		4095	3259
5.153		219869	225911
5.194		4869	3280
5.225		31970	33421
5.269		65296	66385
5.309		4784	2816
5.332		8099	6186
5.375		4772	4048
5.393		312	127
5.428		327	46

RT A	Compound A	Height A	Area A
5.437		274	63
5.478		15191	11883
5.496		5355	3621
5.534		344	90
5.555		5287	4279
5.576		564	163
5.588		150	39
5.636		29704	30904
5.678		8590	8047
5.701		1129	757
5.735		12450	9024
5.756		39350	33651
5.821		324	66
5.83		192	47
5.848		339	181
5.86		231	49
5.882		268	113
5.9		198	179
5.906		236	49
5.939		18656	20635
5.994		7490	11915
6.048		220	57
6.055		286	39
6.068		334	60
6.079		329	90
6.092		303	114
6.098		403	82
6.127		55011	59078
6.192		52854	46080
6.212		7065	4469
6.267		146	60
6.28		158	54
6.29		120	22
6.297		164	48
6.306		258	71
6.311		398	79
6.318		323	64
6.326		121	21
6.333		300	68
6.34		338	90
6.37		8440	9365
6.409		361	164
6.419		149	19
6.43		240	65
6.442		110	44
6.446		194	27
6.456		311	56
6.465		185	42
6.469		197	22
6.473		173	22
6.497		2271	2565
6.523		284	68
6.537		213	77
6.543		342	122
6.57		46707	49473
6.612		347	60
6.626		400	111
6.636		179	51
6.64		384	73
6.661		240	38
6.666		128	23
6.678		442	202
6.718	DCB	3673785	4072608
6.833		661	513
6.854		483	144
6.87		590	253

RT A	Compound A	Height A	Area A
6.921		367	58
6.937		305	73
6.978		202	26
6.984		266	52
6.991		292	61

LANCASTER LABORATORIES

Sample Number: AR4841824A AAAR484AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:03:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		34515	22286
2.08		34285	56015
2.142		20938	15532
2.203		1603	1122
2.29		2471	6485
2.324		3638	3827
2.392		3423	2648
2.459		2615	28890
2.615		8648	12451
2.64		93906	94732
2.716	TCX	10647630	6555171
2.889		61866	44420
2.938		138087	108224
3.003		179633	117148
3.056		24985	15059
3.089		534	166
3.116		38023	24635
3.139		1072	239
3.157		667	349
3.169		515	88
3.176		1637	1308
3.213		378303	204262
3.224		70691	27982
3.266		42192	25155
3.288		25600	15607
3.314		14033	7799
3.337		416675	297929
3.375		40393	24034
3.404		21684	10983
3.422		91016	49308
3.437		36901	17220
3.489		411083	192827
3.499		427362	180933
3.519		79793	33058
3.534		435216	289816
3.609		583957	387328
3.644		978365	614221
3.668		888536	508806
3.686		287851	153617
3.738		2164	1997
3.774		1155765	789294
3.799		345815	208431
3.821		376664	241261
3.853		172349	94685
3.871		793237	500474
3.915		314453	239215
3.963		66845	56858
3.985		607113	386914
4.009		1532876	1012202
4.035		1064185	683269
4.055		82197	40994
4.074		86259	53591
4.112		436711	327612
4.149		723370	599868

RT B	Compound B	Height B	Area B
4.179		386338	230360
4.227		59732	47245
4.264		254247	206452
4.299		5324	3007
4.323		422169	343970
4.358		258043	185474
4.386		659684	508054
4.425		13669	13553
4.484		264463	275738
4.52		68554	52990
4.553		405342	328205
4.577		12851	6613
4.599		24259	15617
4.622		55275	37026
4.65		35180	27025
4.727		77132	74576
4.782		402773	336927
4.836		39908	41547
4.863		105363	91979
4.896		7413	3406
4.911		8179	4687
4.936		7766	5759
5.005		4012	4820
5.042		1806	1325
5.057		3768	2341
5.092		17192	13495
5.117		37320	29472
5.166		11286	12690
5.202		4675	2968
5.238		39811	32902
5.264		12294	7975
5.285		33581	26727
5.361		69570	60063
5.45		1103	1110
5.501		16433	14984
5.547		29865	30705
5.612		824	437
5.67		863	345
5.7		79844	70824
5.769		90696	81231
5.818		32961	29959
5.921		15189	16681
5.996		1387	1589
6.074		2334	2722
6.121		71003	61308
6.157		1738	1178
6.174		1462	799
6.227		1037	256
6.242		1634	930
6.282	DCB	5589639	5116001
6.474		2101	4005
6.735		6389	10585
6.943		813	440

AR4841824A AAAR484AA ICAL 184699999 10227 SW-846 8082

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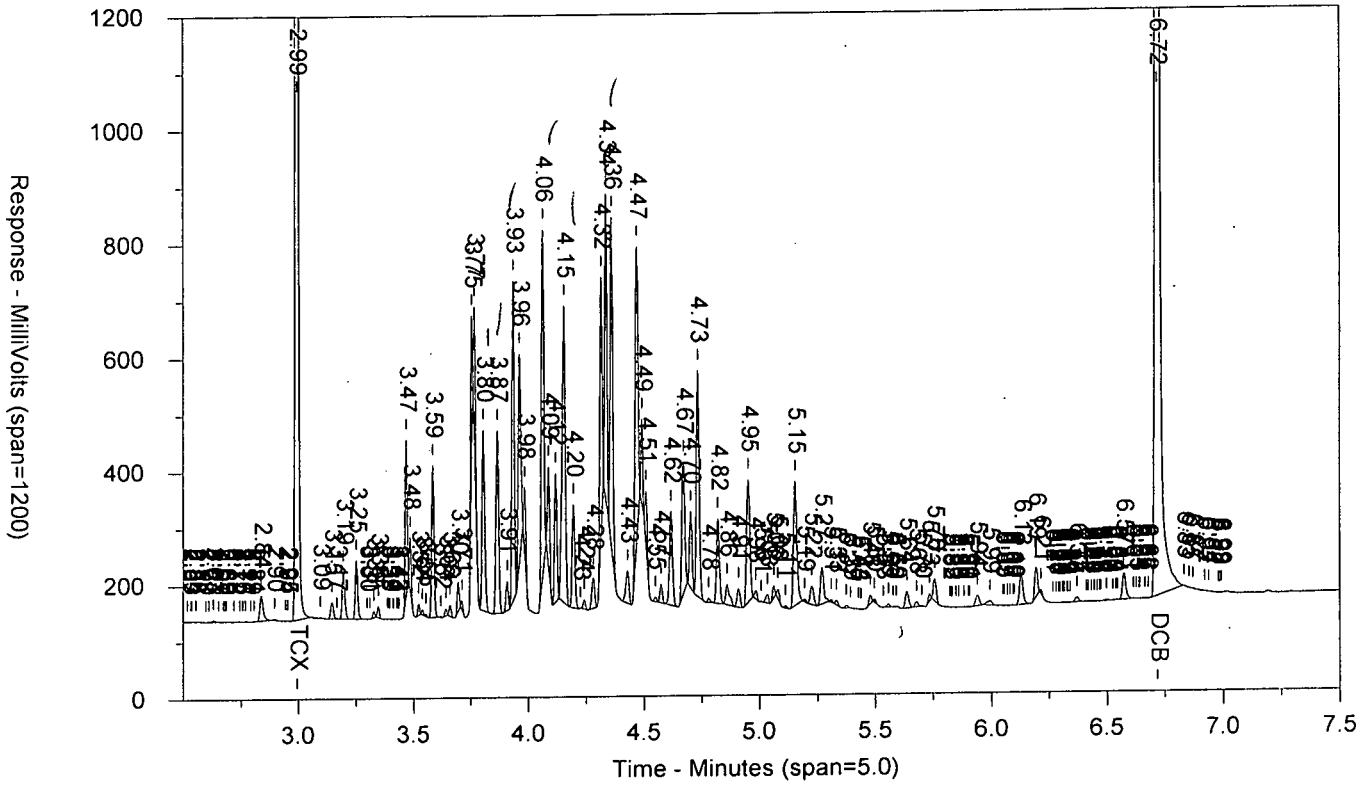

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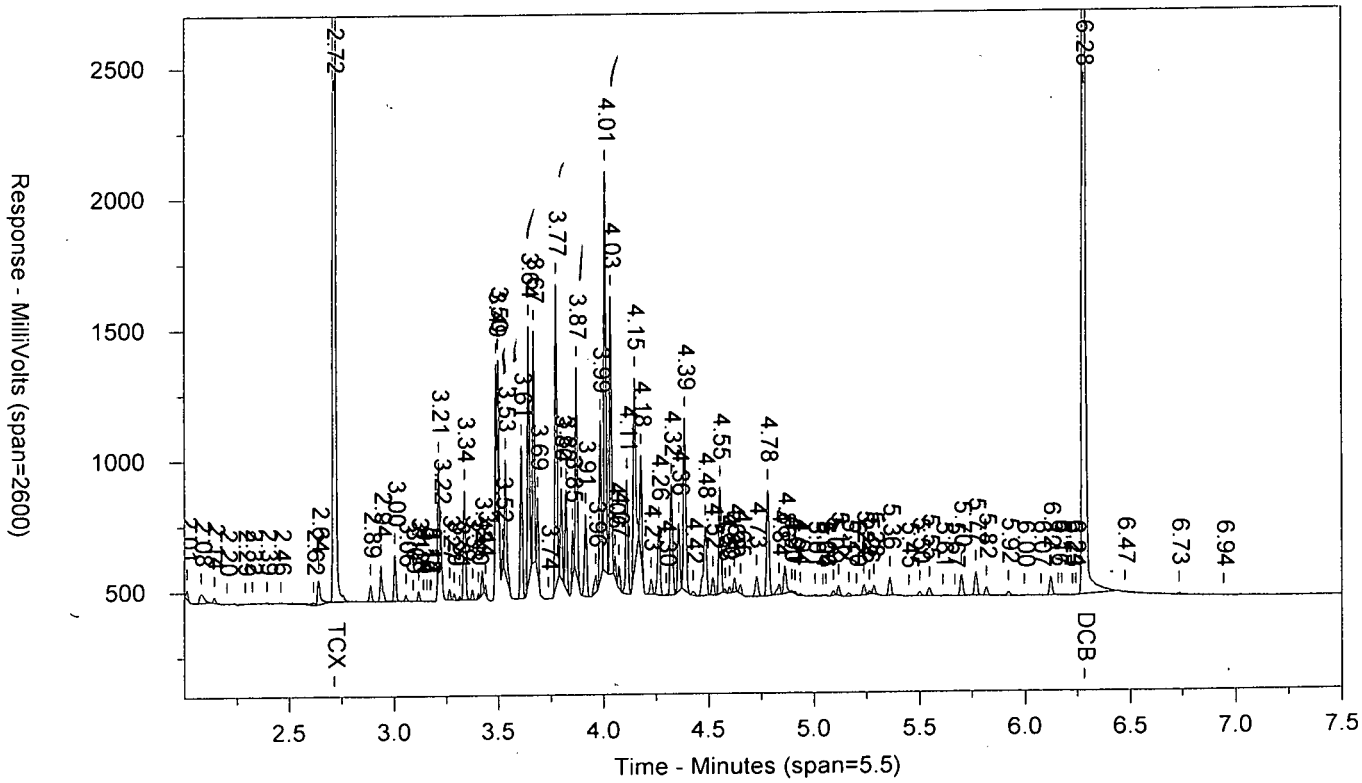

LANCASTER LABORATORIES

Sample Number: AR4841824A AAAR484AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:03:47 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	6437795	41.851	TCX	2.716	10647630	40.332	TCX
6.718	3673785	38.938	DCB	6.282	5589639	38.858	DCB

Files:
Area File: 25pcbs18047001.016.RAW
Area File: 25pcbs18047001B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 5:12:18 PM
File Reported On: 2/16/2018 at 5:12:31 PM

AR4841824A AAAR484AA ICAL 184699999 10227 SW-846 8082

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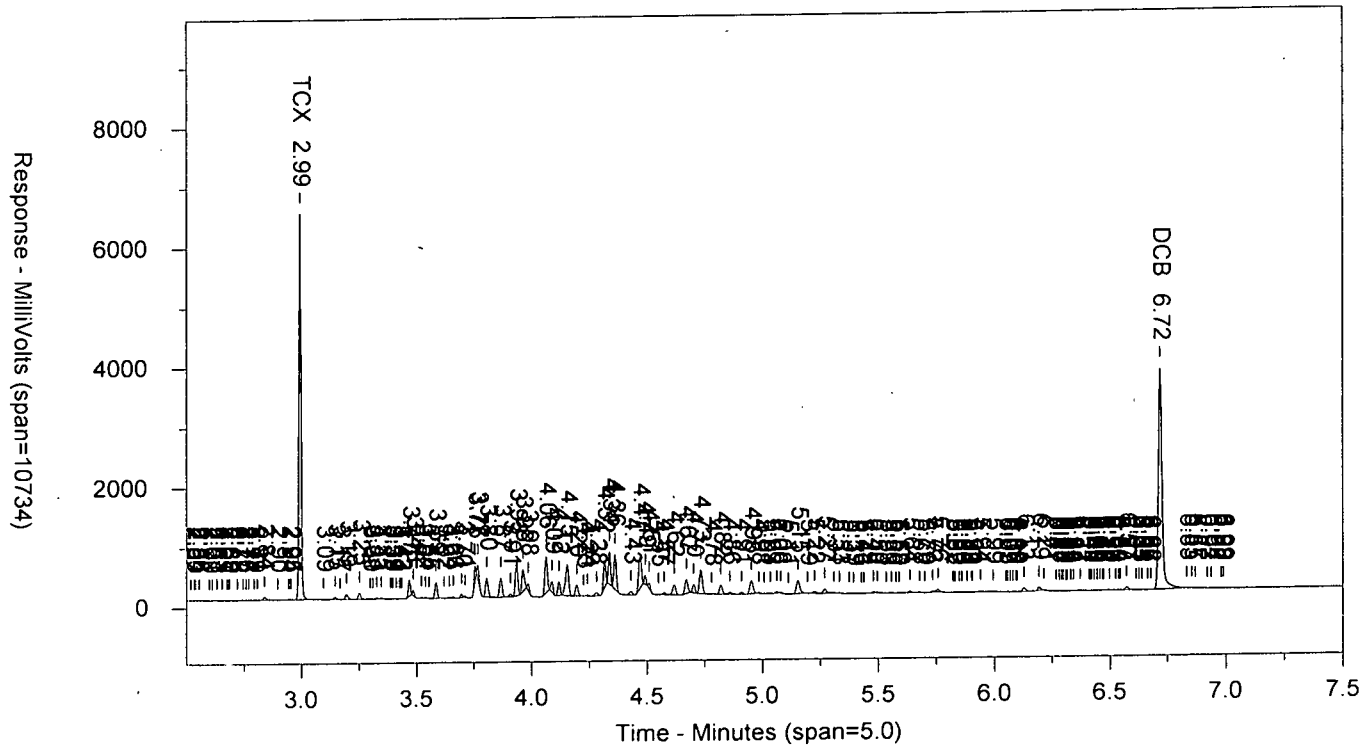

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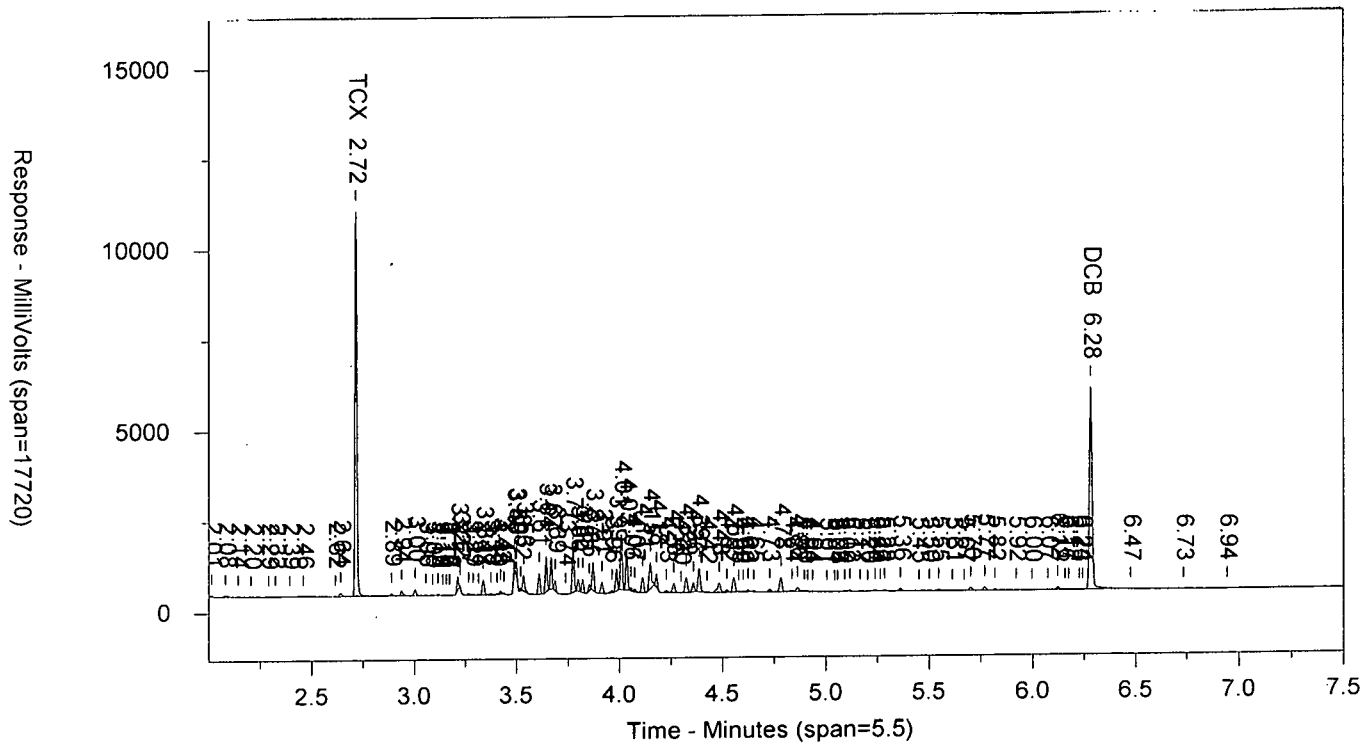

AR4841824A AAAR484AA ICAL 184699999 10227 SW-846 8082

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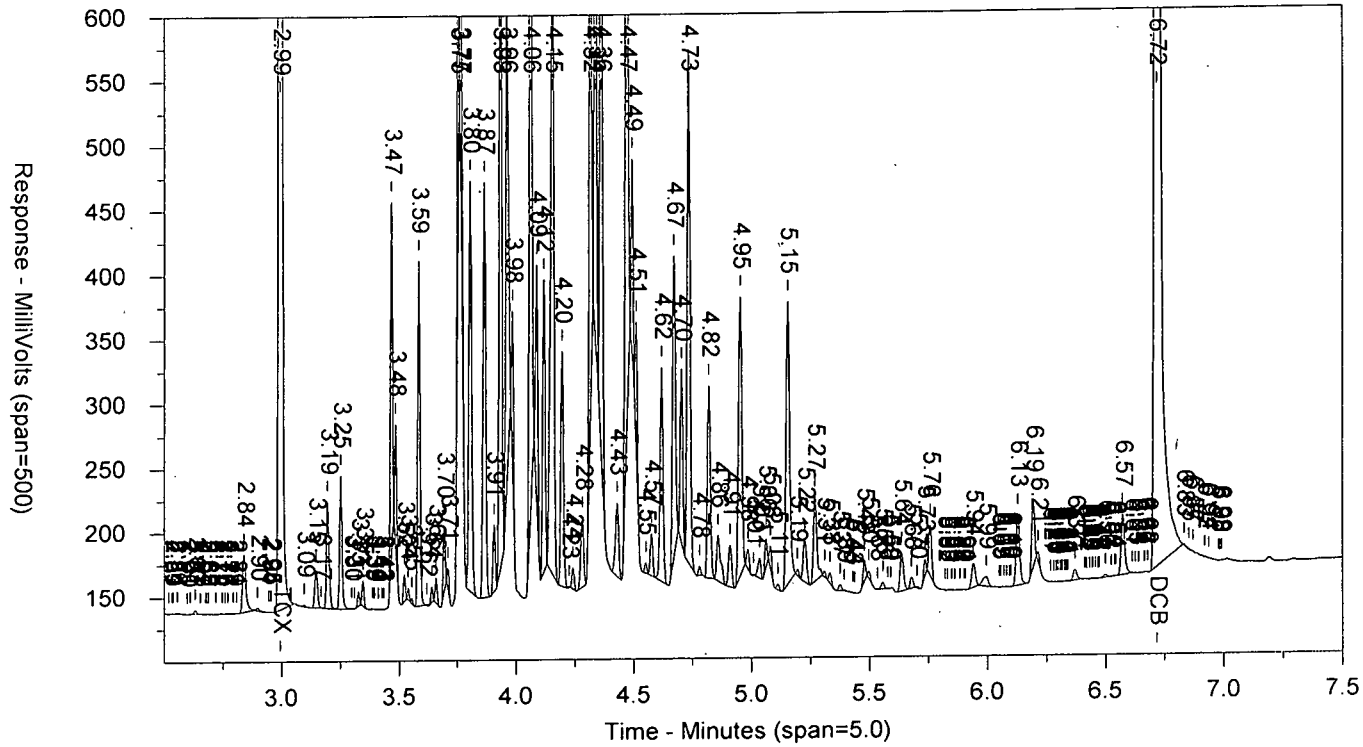

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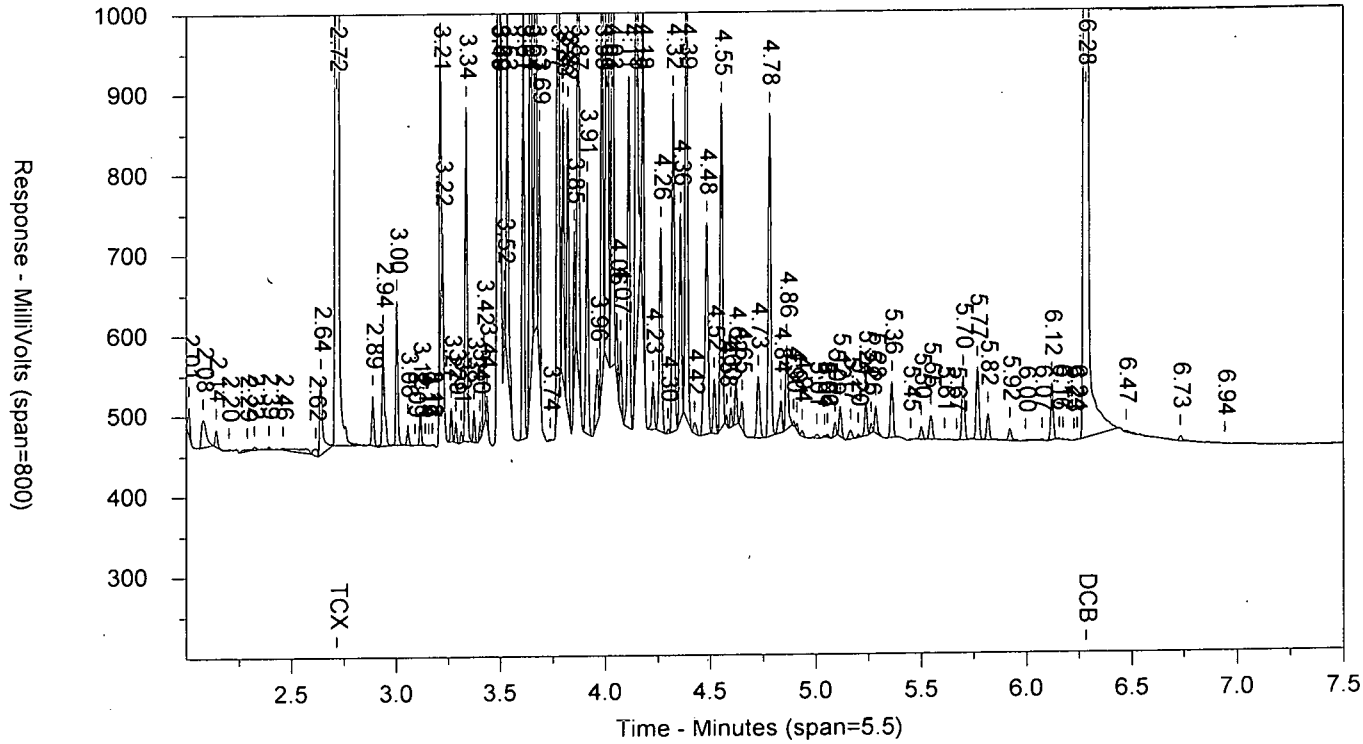

LANCASTER LABORATORIES

Sample Number: AR4851824A AAAR485AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:15:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.002		210	76
2.038		8490	6959
2.063		134	22
2.079		427	230
2.086		314	141
2.099		117	31
2.123		176	57
2.152		9294	15557
2.201		320	151
2.241		352	80
2.26		293	67
2.283		42514	32046
2.342		264	156
2.375		12989	7563
2.395		15209	9200
2.422		114	21
2.436		1624	1621
2.472		151	13
2.49		6649	5248
2.52		383	63
2.528		212	67
2.536		234	81
2.551		245	58
2.563		216	116
2.611		582	287
2.631		5491	3917
2.653		384	189
2.673		238	51
2.678		257	35
2.684		224	31
2.689		395	136
2.702		162	36
2.709		99	24
2.719		522	176
2.743		811	422
2.753		194	30
2.759		166	37
2.768		158	23
2.773		284	48
2.779		217	36
2.788		247	121
2.807		157	46
2.812		182	34
2.838		28934	26577
2.895		3981	4168
2.939		152	22
2.947		224	64
2.96		238	109
2.993	TCX	9493634	6199531
3.071		223	76
3.095		2384	1426
3.112		384	274
3.145		67784	58322
3.194		126794	106033

RT A	Compound A	Height A	Area A
3.251		237141	168861
3.308		73	14
3.326		17615	9577
3.345		46886	29486
3.385		1240	747
3.401		261	76
3.409		213	29
3.418		326	165
3.432		164	47
3.467		614483	378236
3.484		210343	108083
3.522		47694	27629
3.538		19696	9261
3.554		10124	5089
3.585		616556	448843
3.62		1585	683
3.642		16869	10308
3.66		45583	28291
3.696		115619	71963
3.71		39700	17675
3.754		559064	303635
3.766		591262	300676
3.805		765344	606870
3.866		749115	610103
3.908		121738	82212
3.934		1328907	953523
3.962		879492	702636
3.984		270850	147534
4.062		1566786	1128273
4.087		434932	288329
4.118		529967	387722
4.154		1258591	1192741
4.195		406754	337956
4.224		2286	844
4.242		42181	29500
4.282		123718	108046
4.316		1153846	777261
4.337		1400048	893324
4.361		1508332	1101538
4.43		134440	127692
4.47		1352318	1118967
4.492		368597	195874
4.509		173162	102688
4.55		21391	14416
4.574		77682	60597
4.617		384692	349988
4.67		555785	488428
4.703		303870	232710
4.733		956415	828450
4.78		20401	18250
4.819		341378	309115
4.859		83359	99770
4.909		87268	77415
4.951		545682	523079
4.983		22265	15334
5.008		5564	2883
5.033		42010	36629
5.061		54061	38262
5.079		41116	26729
5.112		8462	6587
5.153		556486	560238
5.196		13450	9203
5.225		57610	59034
5.269		150871	136207
5.291		6869	2964
5.31		11468	6559

RT A	Compound A	Height A	Area A
5.332		22018	15530
5.375		11294	10274
5.443		168	32
5.454		251	51
5.479		39428	30162
5.497		11926	7072
5.555		11877	10295
5.577		897	387
5.596		5405	3813
5.635		48496	48047
5.679		23319	21162
5.702		2729	1666
5.735		36590	28798
5.757		54727	45286
5.822		320	121
5.835		276	37
5.839		353	91
5.852		199	50
5.861		353	106
5.879		574	146
5.888		205	60
5.899		381	157
5.941		46635	49443
5.993		17632	27818
6.026		241	255
6.046		203	64
6.067		453	107
6.073		266	61
6.085		194	71
6.101		215	30
6.127		88406	88917
6.192		79090	67841
6.212		13474	8292
6.294		706	3342
6.308		351	153
6.318		280	86
6.338		68	25
6.344		138	19
6.368		22507	22983
6.414		833	503
6.432		311	49
6.437		511	134
6.454		290	51
6.471		265	83
6.498		3243	3891
6.528		160	55
6.537		409	160
6.57		74687	79985
6.622		277	53
6.628		161	33
6.634		210	54
6.643		100	30
6.654		188	32
6.665		226	98
6.673		372	151
6.684		239	48
6.716	DCB	5838522	5978636
6.814		1505	769
6.952		708	659
6.976		228	43
6.996		351	127

LANCASTER LABORATORIES

Sample Number: AR4851824A AAAR485AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:15:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		59613	39734
2.082		19627	32434
2.142		30222	23184
2.237		5057	3661
2.277		5578	12261
2.326		4386	4668
2.358		1397	1730
2.394		8717	6114
2.456		1803	2932
2.509		1583	1754
2.621		9691	17606
2.64		58421	57885
2.716	TCX	16565290	9908573
2.758		24693	13413
2.889		138094	100184
2.919		2617	1467
2.937		200617	169526
3.003		401027	263919
3.056		38373	22710
3.089		1347	656
3.116		90009	59509
3.159		912	363
3.175		5171	5477
3.213		908421	475553
3.224		153193	58163
3.266		97923	59978
3.288		58944	33912
3.314		33125	17611
3.338		967230	676311
3.375		88580	54364
3.404		33060	16150
3.422		214110	117954
3.437		80542	39839
3.488		1061280	500811
3.499		1032088	451928
3.519		173204	74293
3.533		1030062	671524
3.61		1394107	910796
3.643		2302002	1437596
3.668		2167480	1216352
3.686		665639	357852
3.74		3903	5125
3.774		2842096	1897812
3.799		833373	479403
3.821		863861	553923
3.853		399142	217956
3.871		1905465	1209586
3.915		730155	543836
3.963		153369	128317
3.985		1438286	905434
4.009		3769375	2506832
4.035		2692923	1695612
4.055		188681	96156
4.075		187227	112120

RT B	Compound B	Height B	Area B
4.111		1006958	756724
4.149		1786668	1455173
4.179		982741	586300
4.212		2708	1428
4.227		135366	97240
4.263		558434	461955
4.298		7201	3849
4.323		1056961	807205
4.358		581561	426549
4.386		1605142	1202048
4.426		33925	33437
4.484		599188	632177
4.52		153197	120460
4.554		990061	756301
4.578		30800	16237
4.599		32182	19137
4.623		124645	85095
4.651		79767	61720
4.728		169631	167699
4.782		963789	805908
4.835		59312	74563
4.863		234671	215478
4.897		18247	8760
4.913		17625	9227
4.936		18523	12541
4.982		1316	622
5.006		3975	4724
5.042		4643	3367
5.056		8485	5777
5.092		42410	31739
5.117		87394	68723
5.166		25011	26550
5.203		9538	6726
5.239		57660	47964
5.265		31393	20309
5.286		78829	63142
5.361		104069	101139
5.452		1418	1041
5.481		1750	1092
5.501		45323	57950
5.549		82509	91699
5.702		118613	105055
5.769		135668	117331
5.819		54142	46777
5.922		36122	34693
5.99		1626	1428
6.076		2390	1446
6.123		104743	92338
6.152		1886	1328
6.177		2116	1476
6.244		1680	1057
6.282	DCB	8323613	7530586
6.432		3950	5837
6.483		1636	2524
6.733		8601	10192
6.851		770	316
6.888		1173	442

AR4851824A AAAR485AA ICAL 184699999 10227 SW-846 8082

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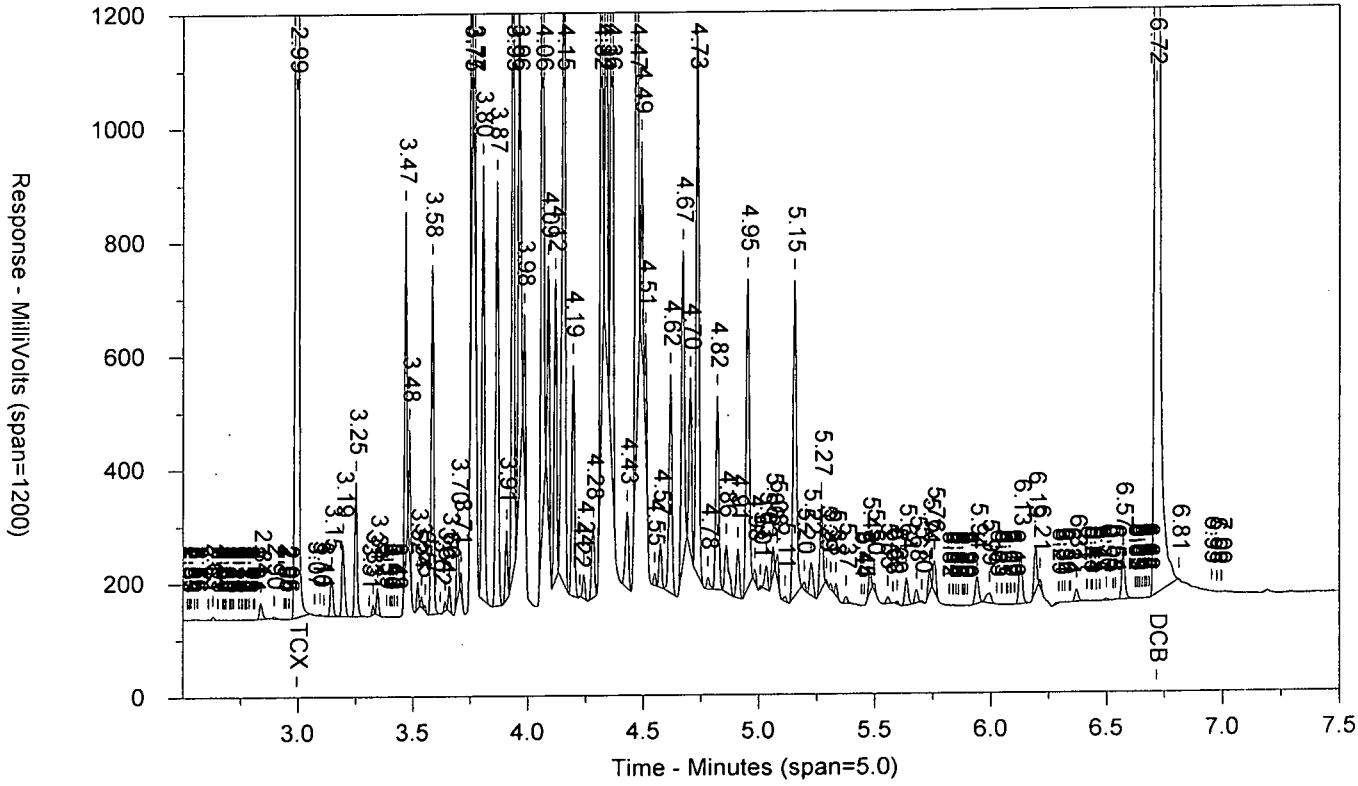

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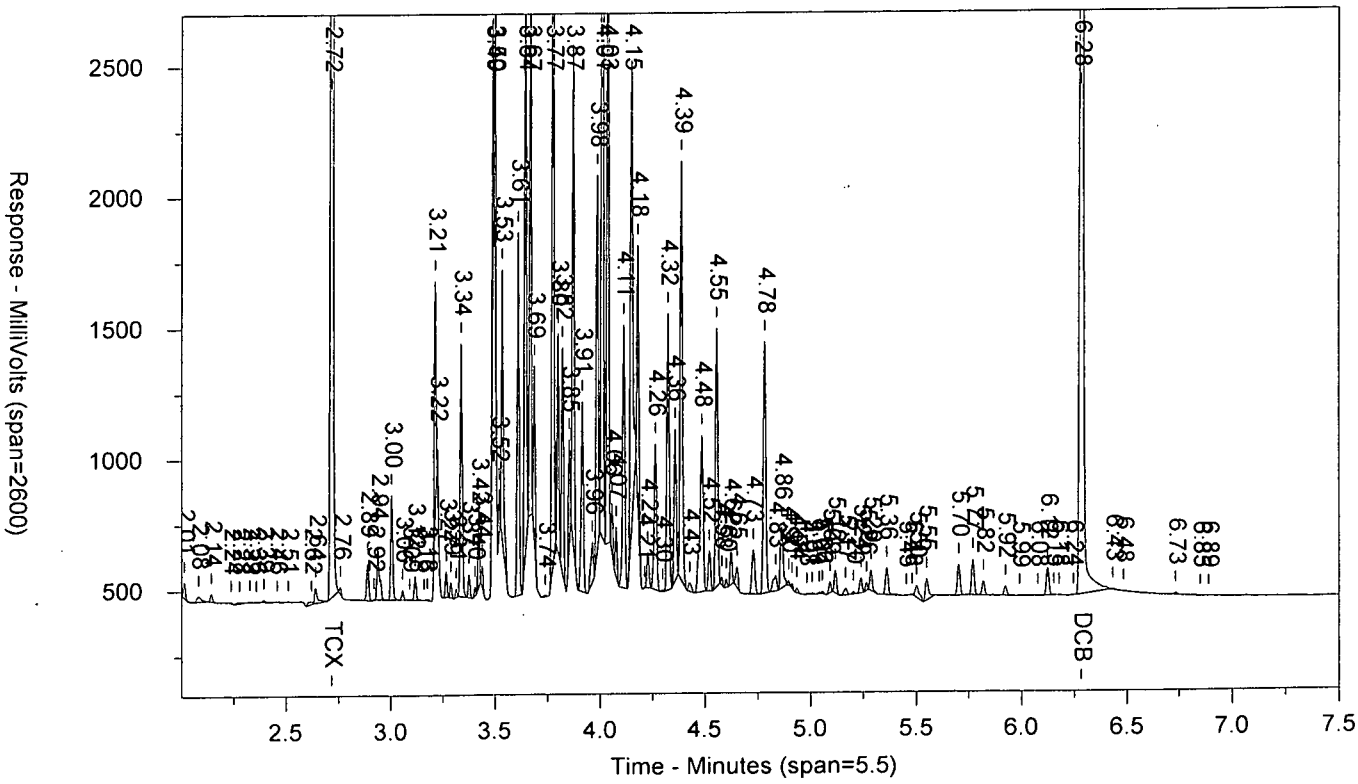

LANCASTER LABORATORIES

Sample Number: AR4851824A AAAR485AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:15:03 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	9493634	61.716	TCX	2.716	16565290	62.747	TCX
6.716	5838522	61.882	DCB	6.282	8323613	57.864	DCB

Files:
Area File: 25pcbs18047001.017.RAW
Area File: 25pcbs18047001B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 5:23:34 PM
File Reported On: 2/16/2018 at 5:23:41 PM

AR4851824A AAAR485AA ICAL 184699999 10227 SW-846 8082

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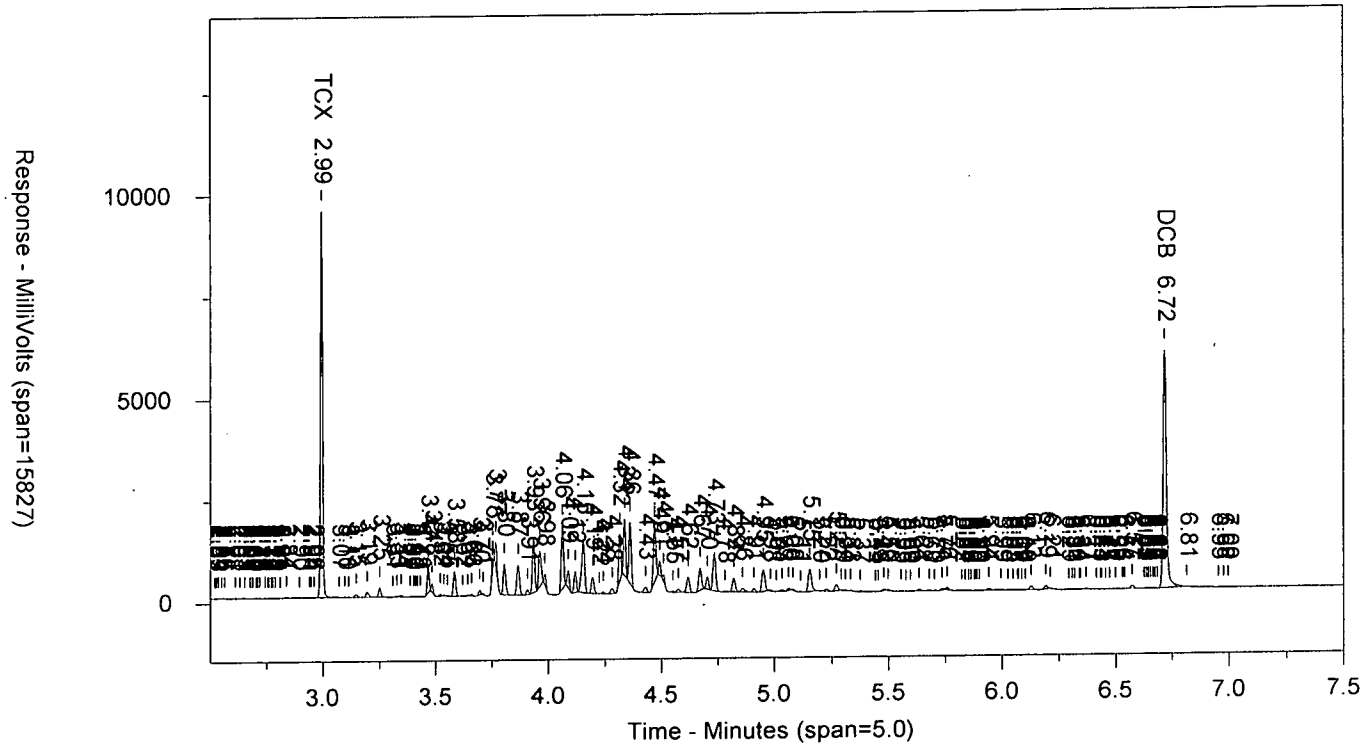

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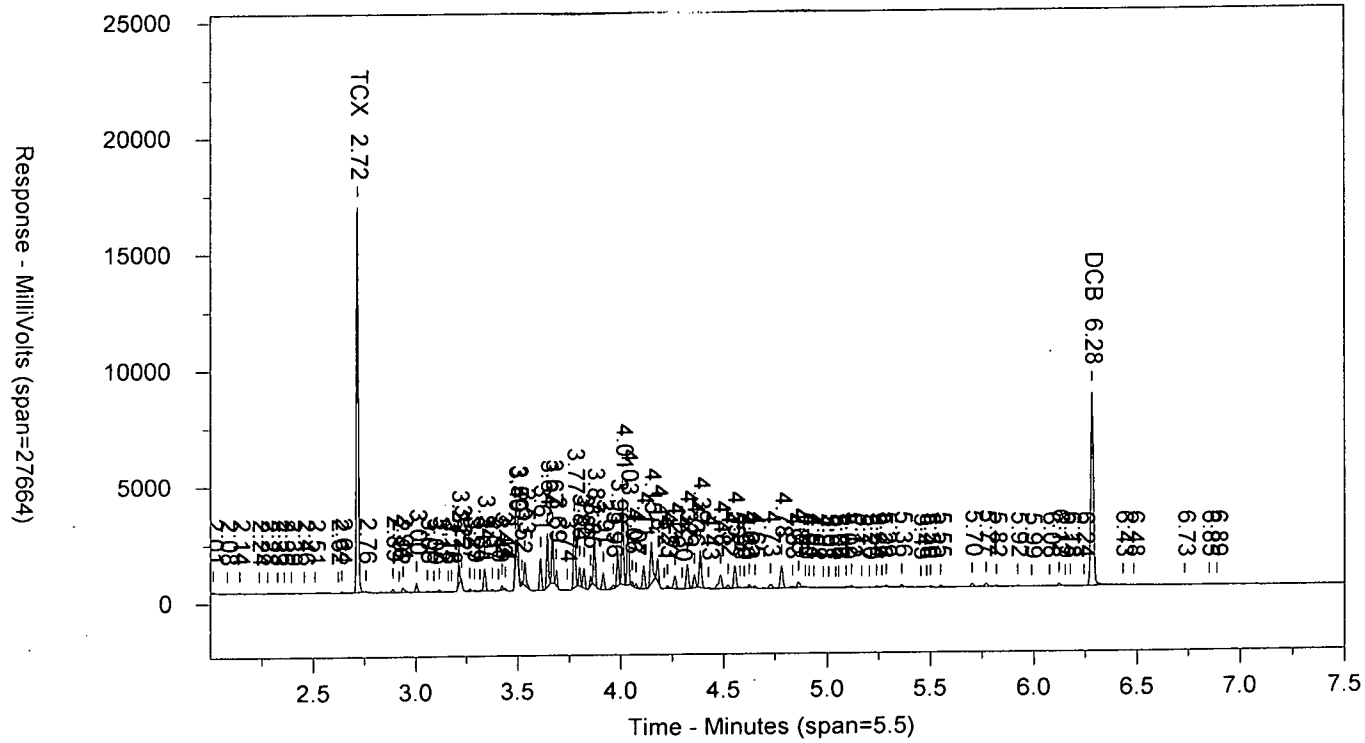

AR4851824A AAAR485AA ICAL 184699999 10227 SW-846 8082

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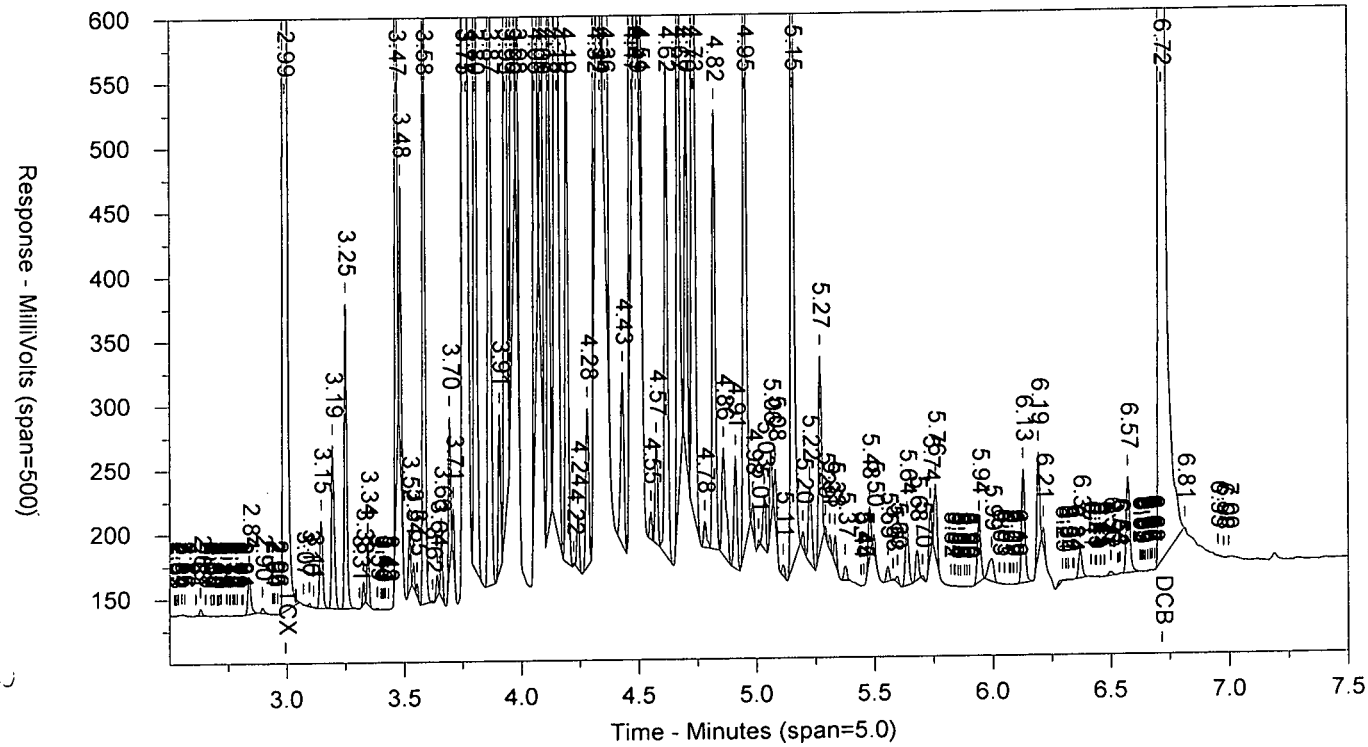

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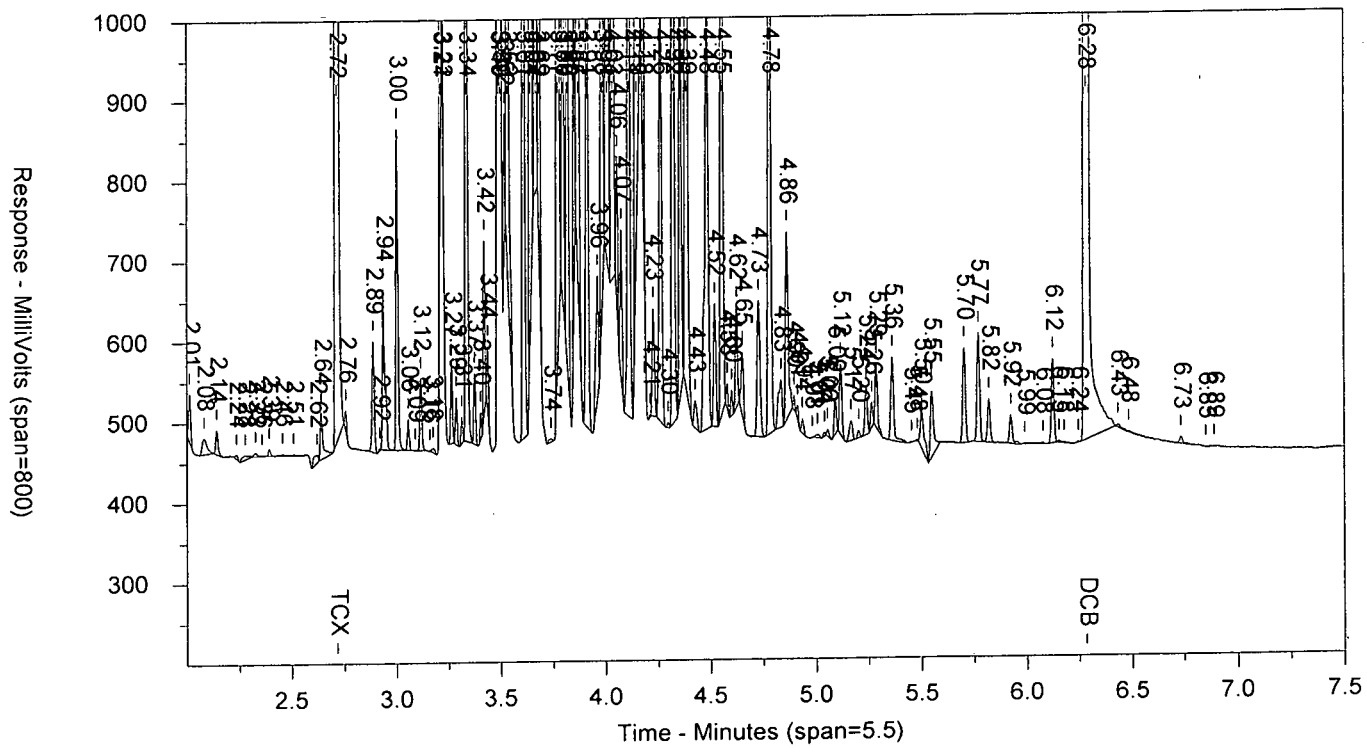

LANCASTER LABORATORIES

Sample Number: AR4861824A AAAR486AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:26:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.001		135	15
2.008		144	33
2.038		8584	7219
2.063		96	21
2.077		387	214
2.088		195	121
2.099		288	81
2.111		581	257
2.121		164	33
2.151		8624	14467
2.203		355	120
2.214		280	278
2.254		109	29
2.261		299	125
2.283		56499	40948
2.337		171	35
2.351		152	35
2.375		14549	8932
2.395		19570	12513
2.433		353	151
2.461		284	48
2.469		233	36
2.49		7085	5645
2.526		184	102
2.54		571	277
2.547		132	19
2.555		452	401
2.583		340	75
2.593		270	64
2.612		476	259
2.631		10598	7745
2.654		337	79
2.681		214	47
2.694		240	90
2.719		401	202
2.74		556	313
2.749		228	25
2.771		252	140
2.776		269	43
2.781		190	66
2.809		211	60
2.838		26813	24851
2.877		186	40
2.897		3101	2037
2.907		513	341
2.936		415	88
2.942		203	29
2.947		405	259
2.993	TCX	12634520	8185674
3.078		366	136
3.095		2877	1561
3.112		803	364
3.146		129611	113074
3.195		161900	154591

RT A	Compound A	Height A	Area A
3.251		442841	312999
3.326		20902	11332
3.345		91976	57729
3.384		2564	1706
3.412		163	46
3.424		151	40
3.432		337	60
3.467		1183217	717247
3.484		383740	201881
3.521		92829	53692
3.538		40871	19125
3.553		17897	9021
3.585		1167988	847121
3.62		3201	1438
3.641		21256	12909
3.66		97639	62353
3.696		217515	131950
3.711		69632	32108
3.755		1201076	631084
3.767		1092251	550457
3.805		1459879	1182167
3.867		1474310	1176152
3.908		214518	150831
3.935		2609005	1839406
3.962		1702856	1366152
3.985		499262	270178
4.062		3040799	2186390
4.087		853362	546390
4.119		1015625	735096
4.154		2485901	2332040
4.195		796130	631081
4.226		2660	1063
4.242		81159	59498
4.282		218773	195186
4.317		2275649	1518759
4.337		2870338	1811749
4.361		3108298	2220219
4.43		247094	233940
4.47		2730664	2218398
4.492		789545	426275
4.509		374647	212374
4.55		38189	24669
4.574		136347	105792
4.617		707196	639206
4.67		1077008	934271
4.703		576282	440869
4.733		1827871	1596377
4.78		39131	34516
4.82		641206	574359
4.858		150511	181425
4.91		160406	145531
4.951		1059429	989025
4.982		27780	20112
5.008		12043	6893
5.034		77879	66719
5.061		85727	63288
5.079		72277	48395
5.112		18553	14695
5.152		1118177	1078431
5.195		23417	16968
5.225		84002	91523
5.269		273235	250249
5.292		9740	3962
5.31		19271	10994
5.332		40175	31883
5.376		24743	22061

RT A	Compound A	Height A	Area A
5.412		1327	814
5.449		362	131
5.479		69516	56655
5.496		21567	13748
5.554		22373	18124
5.577		1615	605
5.594		10126	7542
5.635		67742	67078
5.678		48757	43776
5.702		6071	3734
5.735		71003	57032
5.757		73618	58054
5.861		244	27
5.875		184	36
5.879		351	104
5.897		287	142
5.939		84096	87031
5.995		34090	51222
6.035		381	142
6.072		203	25
6.078		269	48
6.088		298	41
6.127		114143	121475
6.192		102600	88648
6.212		22000	13457
6.285		209	48
6.292		295	86
6.305		330	83
6.314		305	72
6.321		287	51
6.327		361	50
6.345		109	20
6.37		39910	42627
6.412		1171	1057
6.44		421	325
6.464		196	24
6.469		304	48
6.478		250	50
6.498		3428	3591
6.528		224	75
6.54		851	460
6.57		103547	112505
6.637		223	58
6.644		512	163
6.66		204	94
6.669		597	466
6.718	DCB	7408617	7966821
6.874		1362	771
6.943		919	530
6.981		386	123
6.993		339	91

LANCASTER LABORATORIES

Sample Number: AR4861824A AAAR486AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:26:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		77718	54176
2.082		17630	29335
2.143		39229	28722
2.205		1243	1438
2.239		6228	4473
2.279		3915	6260
2.326		3569	3594
2.393		16204	12446
2.461		1719	1715
2.617		6878	10986
2.64		51511	37989
2.672		3066	1702
2.716	TCX	21962120	13176820
2.758		50461	30496
2.889		253378	185333
2.919		2155	940
2.938		257253	245679
3.003		742144	488610
3.056		49308	29249
3.071		738	87
3.077		898	264
3.092		463	81
3.116		164243	107950
3.144		790	263
3.152		590	94
3.177		4583	4232
3.213		1763566	899084
3.224		286790	113271
3.265		184914	111806
3.288		108702	65967
3.314		62928	33616
3.337		1833400	1278610
3.375		167901	106693
3.404		35356	16965
3.422		405376	221423
3.437		153410	73897
3.489		2033002	931021
3.499		2263315	937929
3.519		324872	134885
3.533		2007095	1320825
3.609		2722424	1760491
3.644		4454403	2789571
3.668		4164504	2380905
3.687		1318043	683215
3.732		2073	1062
3.74		2059	1120
3.775		5634141	3685995
3.799		1619683	927316
3.821		1681156	1062704
3.853		788444	423312
3.871		3769031	2386000
3.915		1379754	1023673
3.964		263901	237193
3.985		2799612	1774353

RT B	Compound B	Height B	Area B
4.009		7601560	4914578
4.035		5179065	3350122
4.056		348741	175078
4.075		337194	197571
4.112		1917957	1427085
4.149		3346507	2336082
4.165		204284	54802
4.18		2032162	1190330
4.21		5921	2573
4.228		248411	177287
4.264		1048164	862073
4.299		10970	5520
4.324		1950873	1545740
4.358		1121909	805452
4.387		3065958	2333650
4.426		61182	61516
4.484		1145150	1175475
4.52		284079	222015
4.554		1850383	1438771
4.579		54289	28312
4.6		37834	22432
4.623		223994	154071
4.651		152313	114606
4.728		304344	310255
4.782		1967063	1560075
4.834		81597	119094
4.864		438245	395579
4.897		29788	15280
4.913		28993	16039
4.936		34574	24902
4.985		1372	990
5.01		8931	10165
5.041		8829	5501
5.057		16899	10792
5.093		77788	59095
5.117		158950	125235
5.167		46501	47133
5.203		18209	13726
5.239		80288	67047
5.265		57352	37649
5.286		135174	112982
5.361		146160	141247
5.449		1867	1150
5.479		3190	2019
5.501		65956	56902
5.548		128866	136653
5.701		159212	140742
5.746		1474	733
5.769		181805	160198
5.818		80257	69878
5.923		66159	56653
5.954		4270	2806
5.982		1882	1240
6.071		2769	3374
6.122		146193	127319
6.152		3044	2051
6.246		1638	1273
6.282	DCB	10971810	10028930
6.638		1106	757
6.689		1519	1424
6.733		11509	9837
6.915		1492	723
6.984		1108	1332

AR4861824A AAAR486AA ICAL 184699999 10227 SW-846 8082

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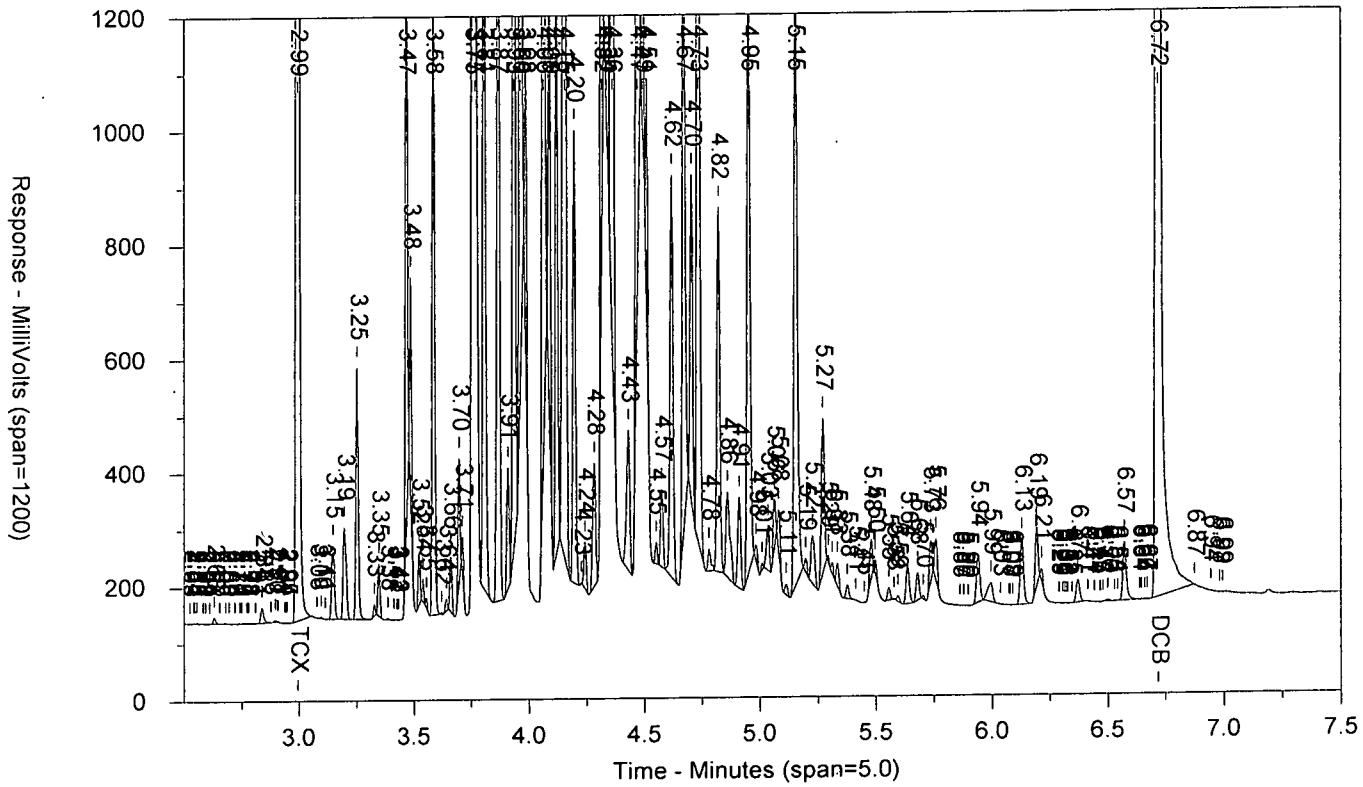

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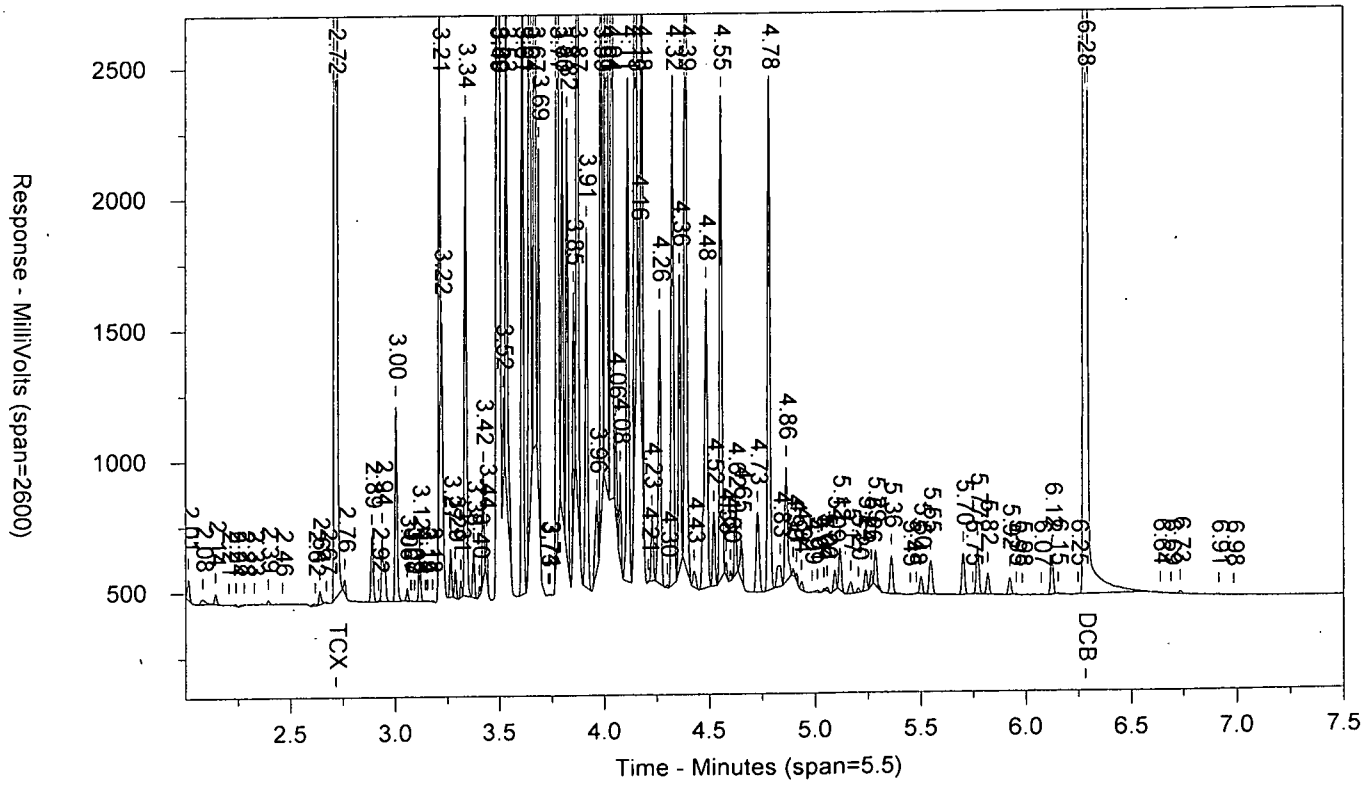

LANCASTER LABORATORIES

Sample Number: AR4861824A AAAR486AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:26:18 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	12634520	82.135	TCX	2.716	21962120	83.189	TCX
6.718	7408617	78.524	DCB	6.282	10971810	76.274	DCB

Files:
Area File: 25pcbs18047001.018.RAW
Area File: 25pcbs18047001B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 5:34:50 PM
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AR4861824A AAAR486AA ICAL 184699999 10227 SW-846 8082

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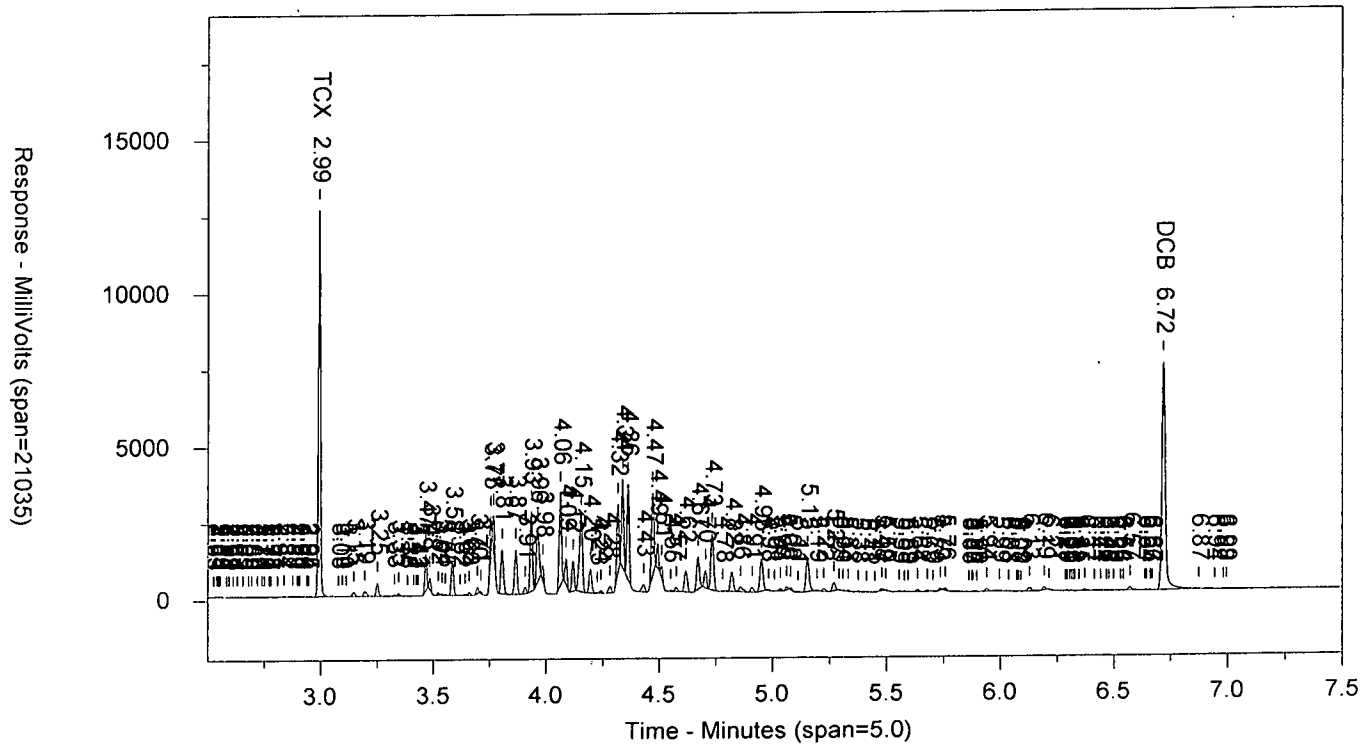

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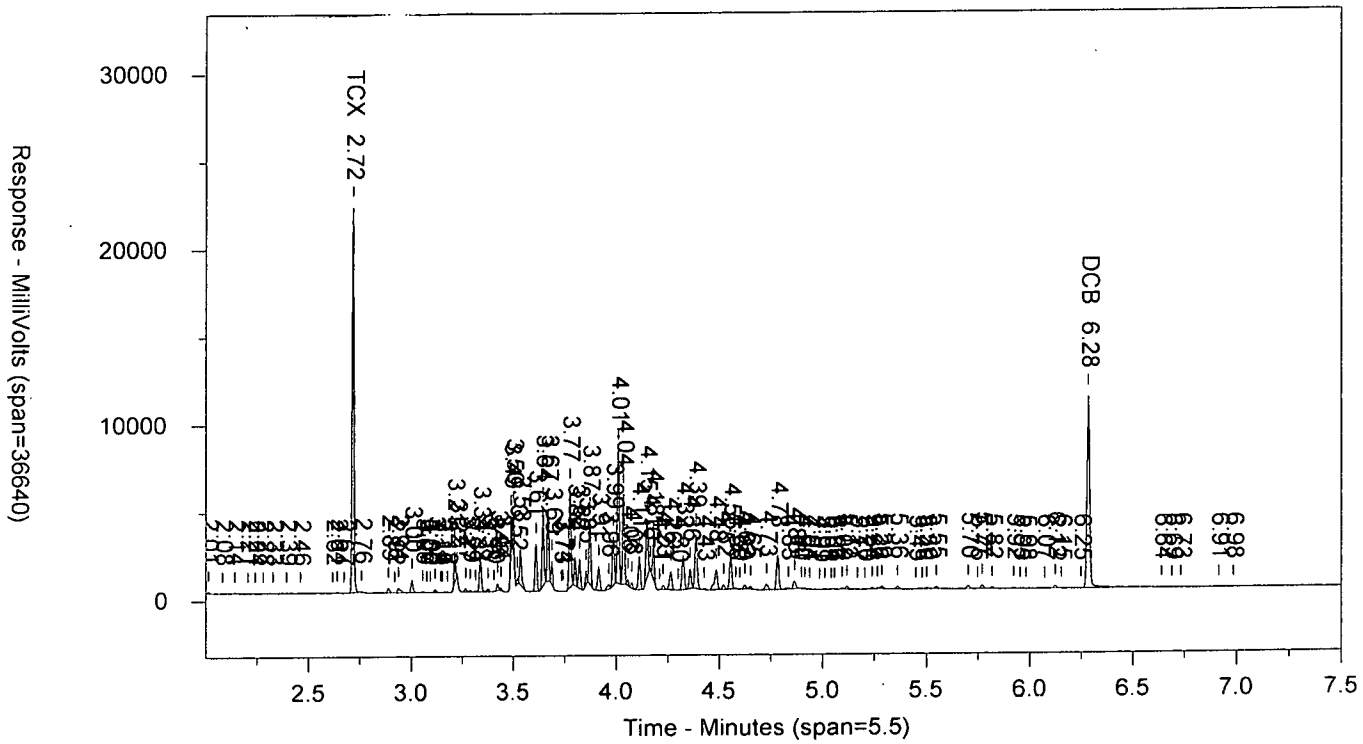

AR4861824A AAAR486AA ICAL 184699999 10227 SW-846 8082

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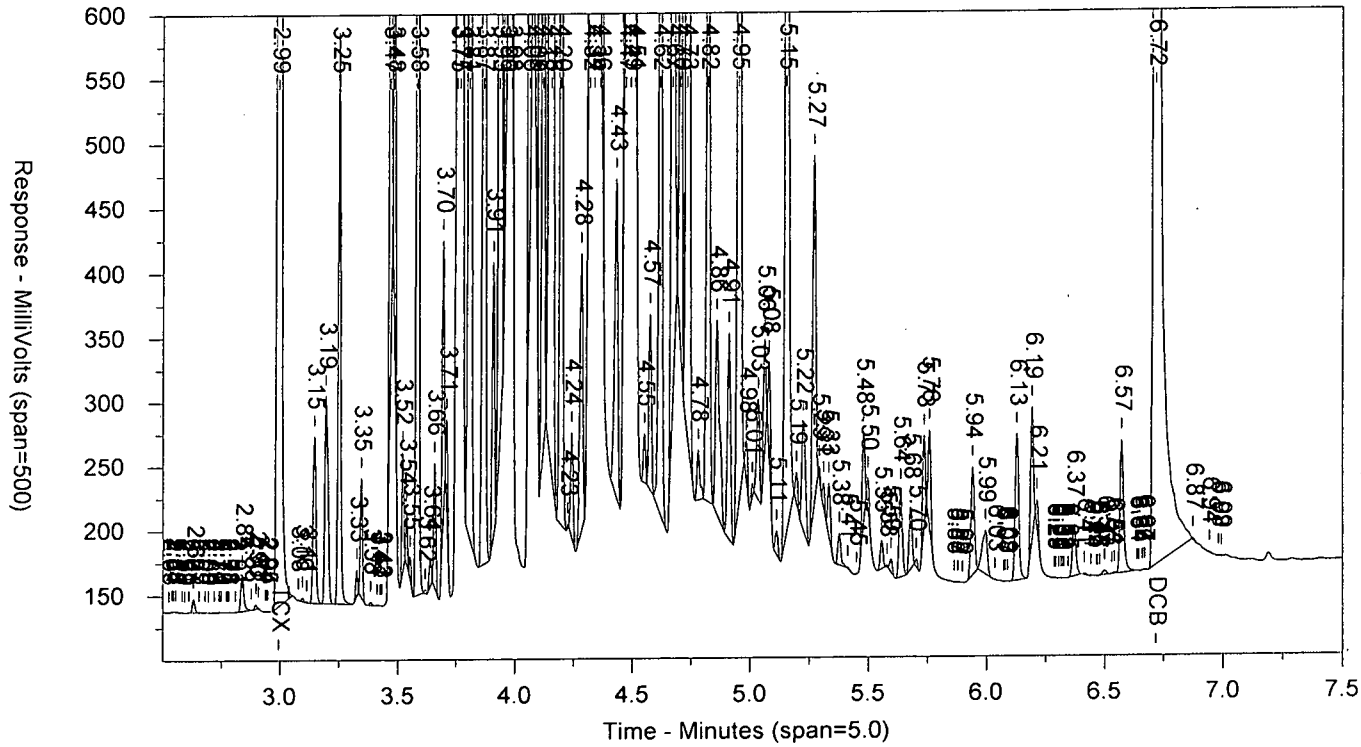

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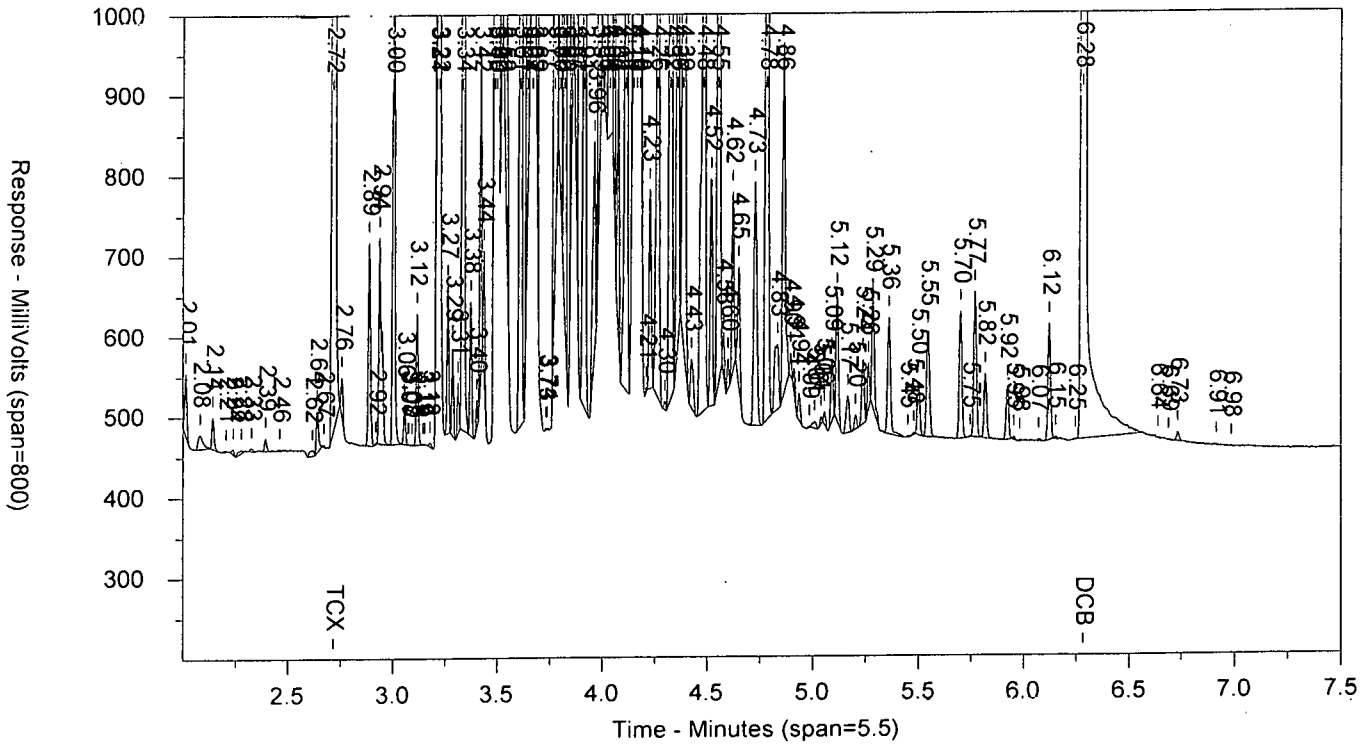

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:37:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.018		553	427
2.037		10880	9189
2.06		442	126
2.076		750	784
2.094		133	29
2.103		230	51
2.118		204	66
2.152		14190	24109
2.205		1015	711
2.214		250	32
2.22		434	460
2.253		161	21
2.26		717	383
2.283		1459	945
2.302		743	346
2.322		175	73
2.33		373	73
2.343		170	20
2.348		319	58
2.355		361	65
2.374		25423	16629
2.409		155	24
2.416		268	84
2.433		1971	1901
2.472		179	38
2.491		7619	5992
2.522		212	66
2.529		210	28
2.555		658	572
2.582		237	83
2.592		316	115
2.611		935	714
2.631		1206	895
2.652		216	31
2.659		338	137
2.671		165	48
2.677		295	49
2.686		528	459
2.717		744	363
2.739		958	641
2.764		233	48
2.782		819	587
2.793		190	73
2.837		34791	33704
2.881		68	23
2.895		5691	4462
2.933		232	76
2.968		179	23
2.993	TCX	324771	220868
3.044		295	237
3.079		685	298
3.093		414	95
3.1		339	58
3.106		185	33

RT A	Compound A	Height A	Area A
3.118		173	43
3.127		164	49
3.143		1109	1126
3.178		117	21
3.193		4754	3376
3.224		188	50
3.238		100	21
3.26		6089	5929
3.292		158	35
3.299		291	123
3.327		856	574
3.345		278	96
3.355		154	21
3.362		347	66
3.369		145	29
3.375		123	27
3.387		168	38
3.409		217	80
3.422		193	41
3.441		328	143
3.466		4304	2685
3.483		1104	524
3.502		252	138
3.52		392	100
3.537		1441	894
3.56		2278	1327
3.582		2493	1400
3.6		3628	2539
3.621		254	43
3.636		273	61
3.658		3562	2280
3.694		832	503
3.709		579	310
3.736		4127	2547
3.753		1508	610
3.764		1225	1436
3.804		9237	7622
3.842		517	170
3.863		4645	3572
3.894		133	46
3.908		340	248
3.932		79857	60549
3.96		21087	20760
4.027		143	60
4.06		43755	33910
4.085		2880	1654
4.116		5595	3865
4.151		20170	19937
4.195		3951	3217
4.219		165	27
4.226		199	56
4.239		358	133
4.26		967	784
4.275		5640	4281
4.315		109638	79235
4.335		37736	23785
4.361		30713	23074
4.428		28710	25113
4.471		150913	157012
4.507		57265	45561
4.548		1972	1333
4.572		8875	7258
4.615		56168	57105
4.668		99007	88652
4.7		21516	14837
4.73		185853	167293

RT A	Compound A	Height A	Area A
4.778		8769	6297
4.792		3808	1858
4.817		28358	22561
4.856		62884	64132
4.906		10569	9187
4.949		124041	136381
5.005		12006	9699
5.031		2174	1138
5.059		44093	34841
5.077		25770	16080
5.108		1604	985
5.151		91918	91126
5.194		9596	7357
5.222		10916	15663
5.267		124412	112412
5.289		4014	2005
5.308		8240	5645
5.373		4502	3803
5.391		440	363
5.416		215	45
5.422		310	254
5.476		33828	27594
5.495		3461	2141
5.528		409	103
5.536		192	44
5.552		5854	5063
5.593		4283	3763
5.614		225	62
5.635		8624	10506
5.676		18895	17948
5.7		1906	1310
5.733		17035	15091
5.753		736	389
5.798		316	40
5.812		155	61
5.823		169	18
5.835		101	70
5.851		553	446
5.872		195	38
5.884		368	169
5.89		281	65
5.898		336	100
5.911		183	49
5.94		23765	23616
5.969		1248	873
5.994		343	179
6.012		153	42
6.023		339	116
6.034		435	276
6.054		242	63
6.065		192	34
6.077		176	50
6.098		310	120
6.126		3579	3447
6.155		120	43
6.189		3895	3401
6.228		8182	14065
6.283		1057	1690
6.293		148	69
6.299		207	28
6.304		272	48
6.314		273	122
6.322		181	28
6.327		199	34
6.347		244	173
6.369		430	359

RT A	Compound A	Height A	Area A
6.374		290	42
6.382		231	46
6.389		139	23
6.397		153	47
6.401		276	46
6.407		254	49
6.438		2464	2795
6.458		287	70
6.496		4915	6588
6.526		457	111
6.533		185	36
6.544		196	40
6.569		2475	2451
6.597		161	47
6.603		427	79
6.611		676	377
6.632		410	130
6.641		273	72
6.654		200	93
6.66		434	126
6.68		311	167
6.688		146	71
6.717	DCB	233164	270289
6.8		167	33
6.805		182	43
6.816		132	19
6.828		496	224
6.843		531	212
6.853		356	80
6.859		188	33
6.868		221	47
6.873		270	49
6.887		329	77
6.897		101	17
6.901		260	93
6.918		314	95
6.924		256	66
6.944		428	190
6.964		321	46
6.972		232	54

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:37:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.001		6200	1312
2.031		2093	1518
2.08		31936	71814
2.199		2012	2785
2.289		4543	14997
2.327		4872	5537
2.362		2135	4479
2.507		2369	2602
2.568		2655	4717
2.612		9637	14546
2.64		71935	61825
2.685		2180	1676
2.716	TCX	547323	345106
2.891		4379	3756
2.938		11228	15186
3.002		4358	3230
3.054		1583	599
3.063		1062	154
3.078		704	104
3.083		1148	291
3.096		1118	366
3.107		429	81
3.116		930	623
3.132		672	204
3.15		708	315
3.17		702	219
3.176		1998	2086
3.215		5047	4629
3.236		736	365
3.263		559	212
3.269		753	232
3.286		10586	6807
3.311		1357	435
3.325		406	54
3.338		5300	3425
3.353		429	74
3.374		6950	3907
3.388		1279	330
3.398		750	178
3.409		958	215
3.42		1028	304
3.432		10090	10438
3.488		4893	4581
3.518		3203	1395
3.533		9896	7162
3.557		434	136
3.576		397	91
3.59		651	105
3.608		6645	4312
3.642		127022	81377
3.666		47355	27359
3.685		2896	1330
3.702		3644	3187
3.735		5410	5759

RT B	Compound B	Height B	Area B
3.773		80716	52640
3.797		6973	3379
3.82		12565	10532
3.852		9254	5004
3.869		27332	16239
3.912		7459	6815
3.954		6261	6690
3.985		14442	8255
4.006		265943	188514
4.033		29461	17257
4.054		25781	13842
4.073		56221	37544
4.11		230884	167103
4.143		91418	61810
4.163		58621	33815
4.225		17677	16024
4.262		75331	56606
4.321		171037	130678
4.356		48987	36724
4.384		297733	235401
4.424		23449	22487
4.48		143711	132445
4.518		24148	21022
4.552		188705	143484
4.577		32080	20463
4.621		123237	99597
4.649		6812	4416
4.7		1045	263
4.726		112477	111832
4.78		133860	111474
4.821		29539	24126
4.862		218744	225436
4.911		16717	10682
4.934		6651	4876
4.997		3911	4699
5.055		10609	9830
5.091		11406	8024
5.115		70390	60159
5.166		11987	13729
5.203		7356	5490
5.235		4888	4131
5.263		33827	23292
5.285		22176	14860
5.303		4304	2201
5.358		4362	3469
5.383		1975	8687
5.482		1373	7054
5.497		2376	1653
5.546		31127	42493
5.637		2266	2172
5.697		4466	3818
5.742		2761	3670
5.768		6492	6083
5.816		3360	7322
5.921		3588	8251
5.995		2776	5837
6.094		1155	469
6.166		1107	419
6.234		1180	588
6.28	DCB	343302	324596
6.407		1807	729
6.436		1207	1045
6.642		1548	3093
6.706		1261	734
6.741		1239	371
6.777		1398	546

RT B	Compound B	Height B	Area B
6.806		993	665
6.85		1121	336
6.921		1457	2008
6.972		1010	420

AR5411724C AAAR541AA ICAL 184699999 10227 SW-846 8082

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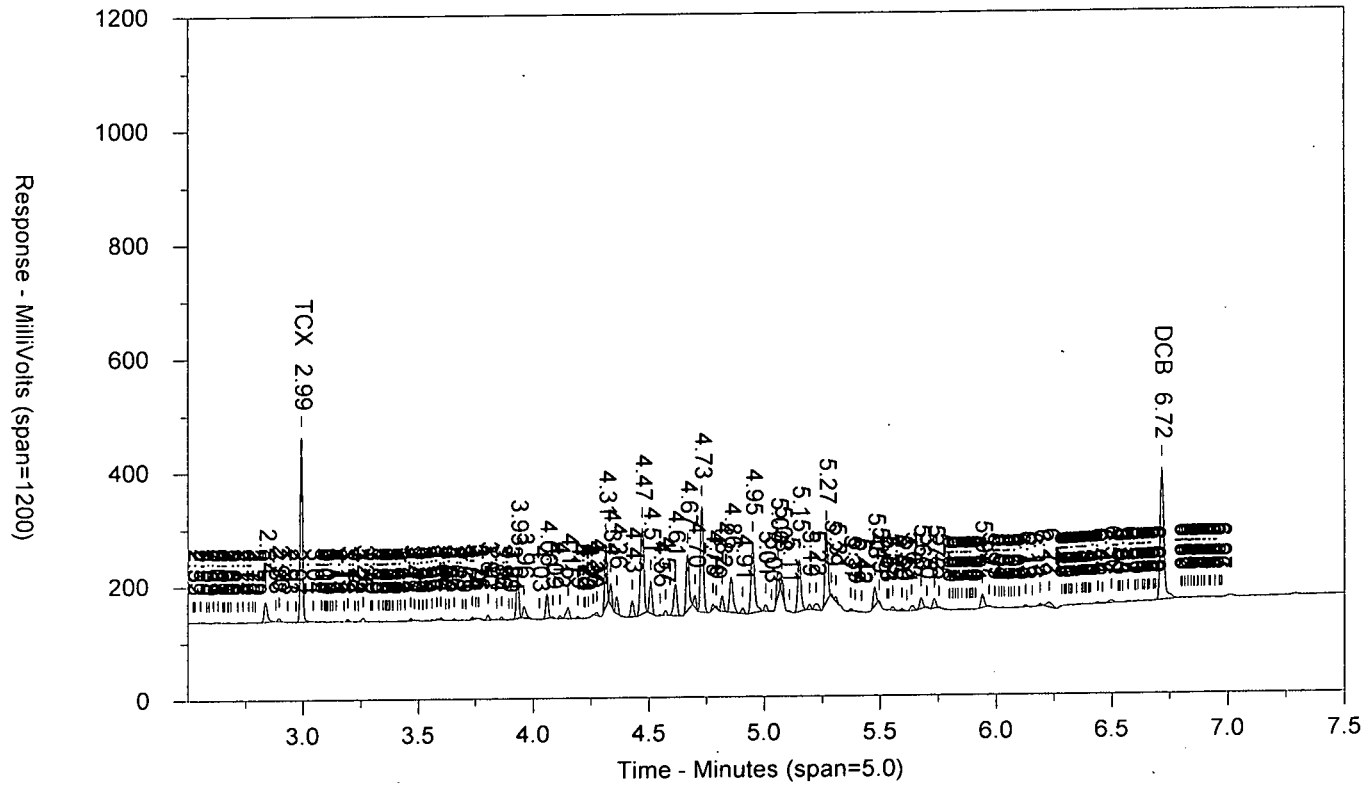

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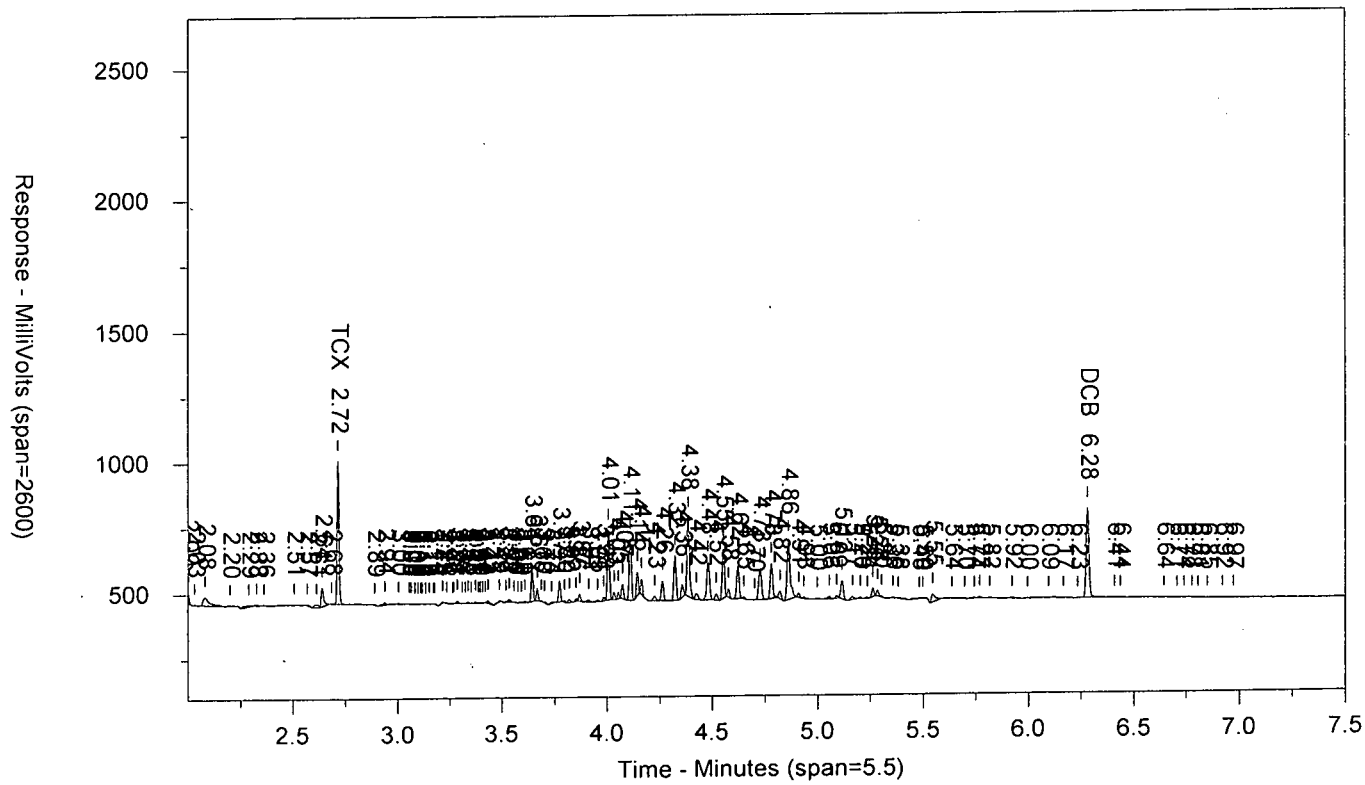

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:37:22 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	324771	2.111	TCX	2.716	547323	2.073	TCX
6.717	233164	2.471	DCB	6.28	343302	2.387	DCB

Files:
Area File: 25pcbs18047001.019.RAW
Area File: 25pcbs18047001B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 5:45:52 PM
File Reported On: 2/16/2018 at 5:46:02 PM

AR5411724C AAAR541AA ICAL 184699999 10227 SW-846 8082

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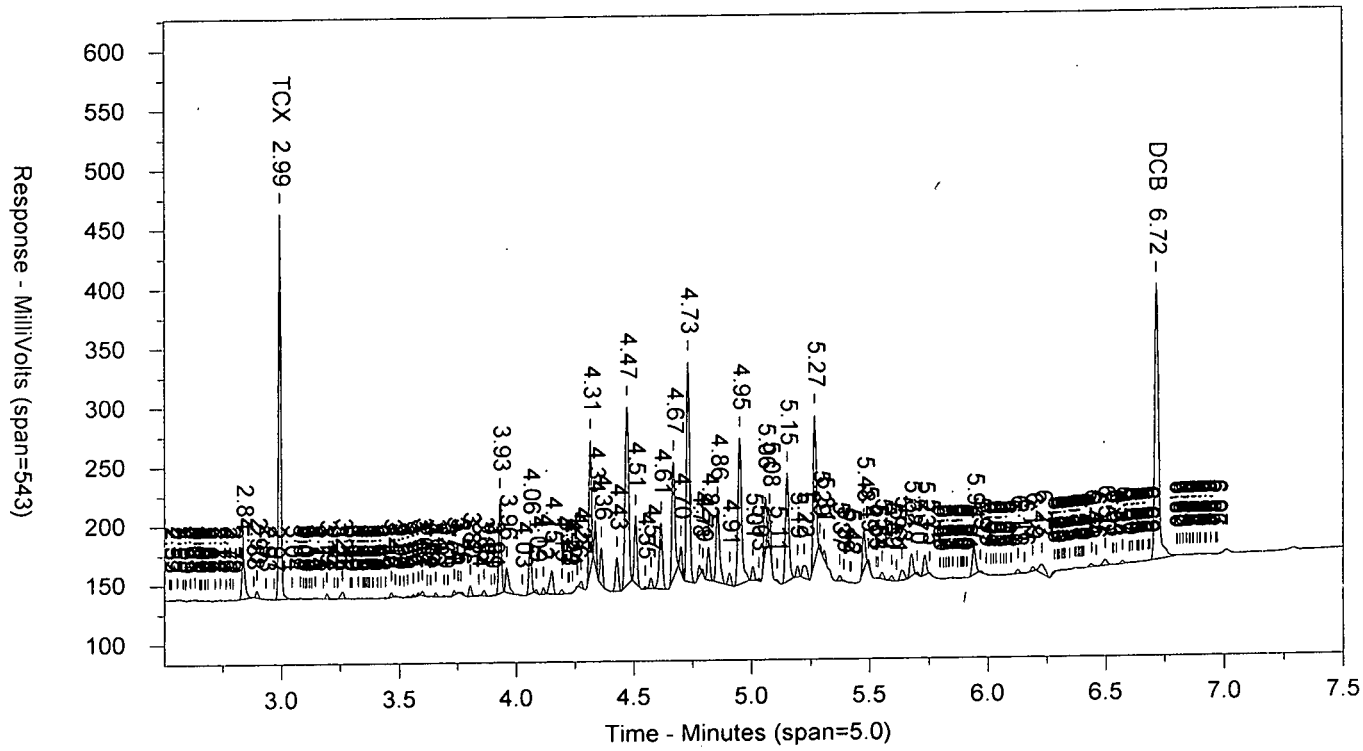

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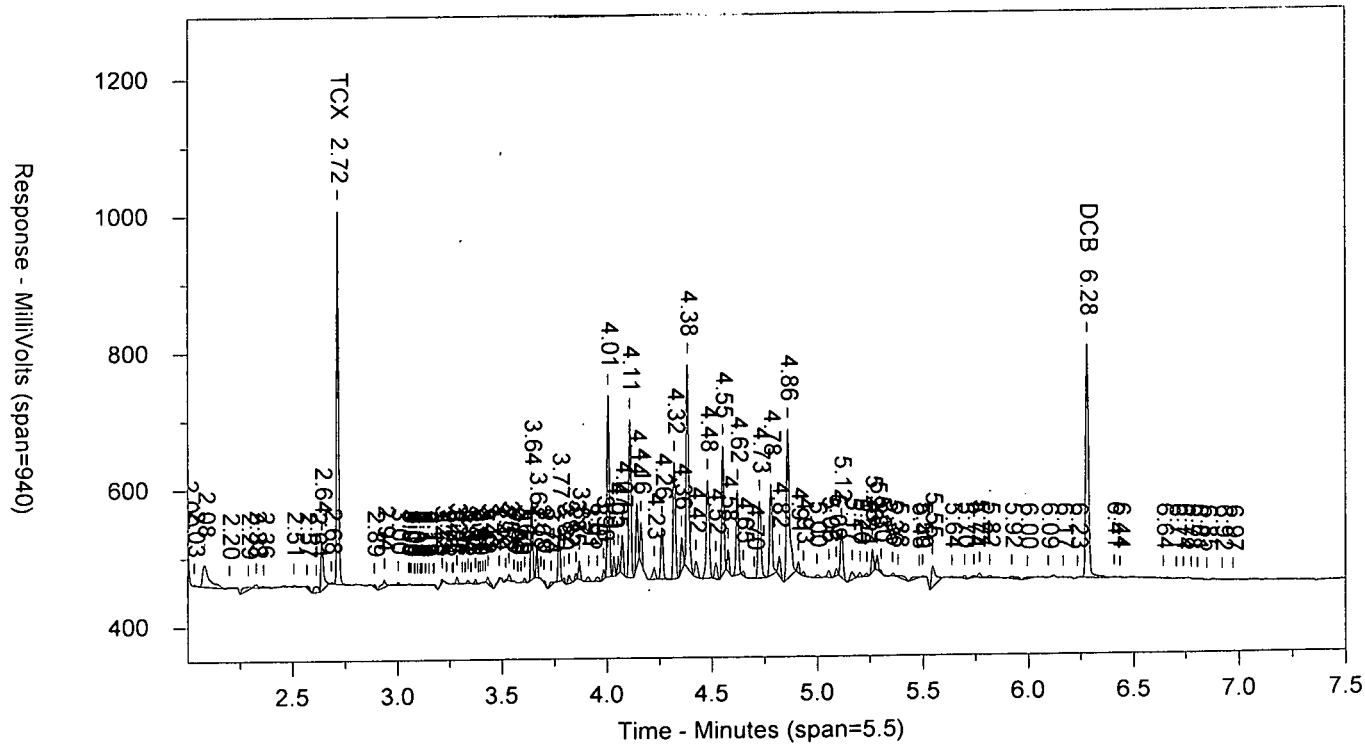

AR5411724C AAAR541AA ICAL 184699999 10227 SW-846 8082

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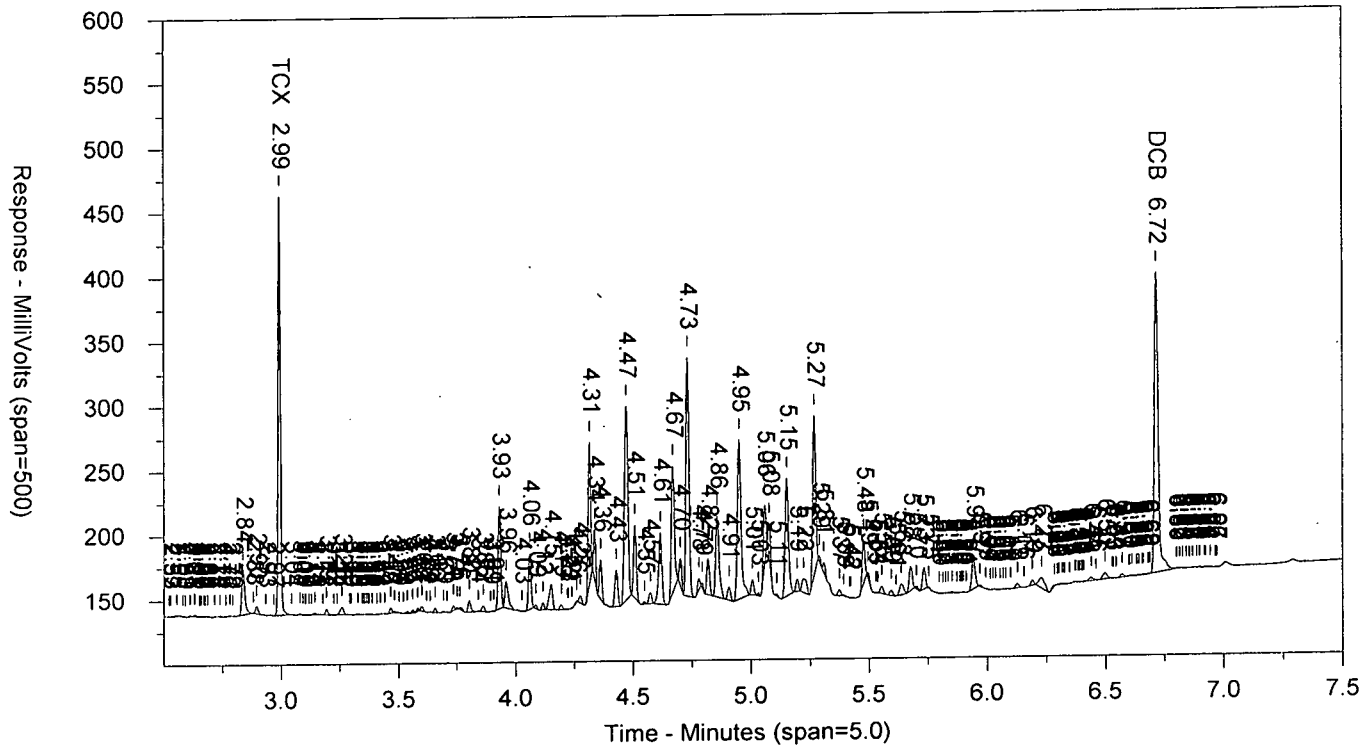

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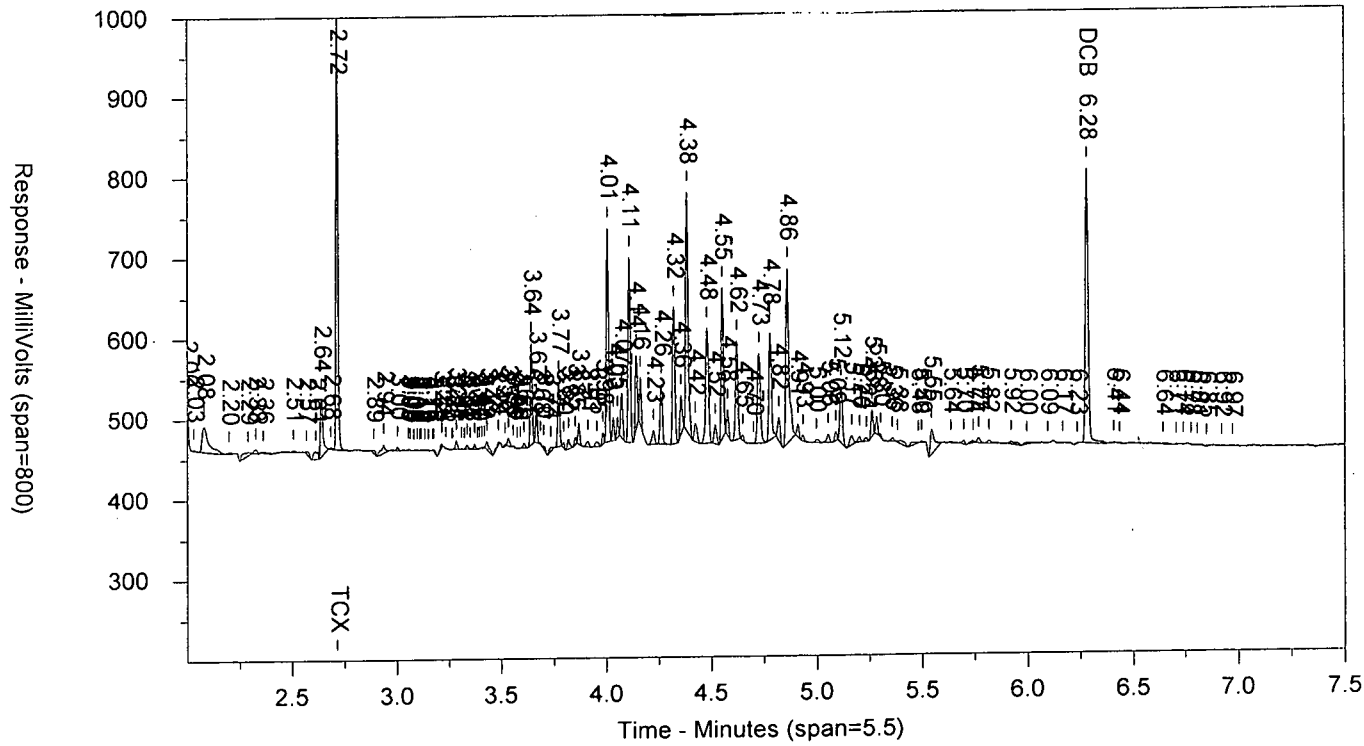

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:48:37 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.018		494	237
2.037		9181	7836
2.078		237	271
2.096		206	48
2.105		643	389
2.125		180	40
2.151		16082	26673
2.202		452	205
2.22		500	564
2.26		562	368
2.284		3043	1777
2.303		653	273
2.326		174	71
2.343		313	211
2.375		22055	14236
2.395		591	247
2.411		187	26
2.435		2577	3845
2.491		6042	5017
2.521		233	46
2.525		373	87
2.535		141	23
2.54		106	24
2.548		172	36
2.556		584	264
2.589		286	89
2.602		166	24
2.612		481	206
2.618		159	32
2.634		1246	775
2.658		240	67
2.675		244	86
2.686		187	138
2.706		221	64
2.722		558	362
2.737		112	39
2.742		323	120
2.758		202	60
2.773		171	30
2.781		342	221
2.805		407	90
2.812		171	37
2.838		40480	40139
2.896		4756	3809
2.915		175	33
2.93		295	58
2.936		162	30
2.944		290	45
2.95		327	109
2.993	TCX	595066	404018
3.046		352	122
3.079		501	228
3.095		445	155
3.115		375	48

RT A	Compound A	Height A	Area A
3.144		1660	1477
3.177		135	36
3.194		8656	6015
3.228		192	70
3.26		5306	6457
3.3		285	181
3.325		1244	778
3.337		242	34
3.345		494	205
3.355		283	46
3.368		397	156
3.378		289	53
3.389		202	26
3.394		239	59
3.408		384	165
3.425		157	83
3.429		293	116
3.443		370	205
3.468		7307	4463
3.485		1864	961
3.514		187	19
3.521		410	112
3.539		2590	1641
3.565		1147	783
3.584		5393	3334
3.604		2595	1625
3.641		1185	810
3.66		6128	4060
3.696		1490	870
3.709		443	328
3.739		2727	1598
3.755		3477	1580
3.769		3199	3596
3.806		16211	13495
3.846		408	152
3.865		7290	5430
3.895		216	33
3.908		904	423
3.935		141441	104550
3.962		35682	37774
4.062		83671	62782
4.088		4894	2859
4.119		10148	7243
4.154		36078	36737
4.196		7763	5912
4.227		294	183
4.243		689	328
4.278		10944	11541
4.318		190429	139941
4.338		74211	45338
4.363		55803	42663
4.431		55202	45903
4.474		272358	276371
4.509		101554	82971
4.551		3427	2391
4.575		17862	13772
4.618		102565	97886
4.671		178281	160495
4.703		44392	29281
4.733		331001	299877
4.78		17613	11735
4.796		7990	3998
4.82		54347	41940
4.859		115315	116948
4.909		19622	17645
4.952		209115	233326

RT A	Compound A	Height A	Area A
5.009		21228	17187
5.033		4202	2236
5.061		81019	62400
5.079		45970	29086
5.109		1535	1436
5.154		166605	163845
5.197		16615	12957
5.224		20080	27825
5.27		214126	194686
5.291		9179	4536
5.31		12724	7483
5.331		3279	1979
5.375		8806	10151
5.418		355	97
5.448		316	108
5.479		60610	51737
5.497		6379	3605
5.531		328	90
5.555		9502	9071
5.595		7920	7470
5.638		8259	9146
5.679		37134	33578
5.703		3373	2304
5.735		33974	40029
5.817		151	38
5.822		191	29
5.832		317	101
5.842		233	58
5.85		230	82
5.871		172	22
5.886		183	47
5.9		221	92
5.912		312	124
5.942		35743	34209
5.973		3197	2597
6.021		177	66
6.031		430	118
6.039		231	31
6.043		214	24
6.049		243	64
6.059		131	25
6.074		294	70
6.084		191	56
6.095		326	116
6.128		6931	7134
6.157		268	37
6.191		6726	6147
6.219		318	268
6.224		349	67
6.279		334	199
6.291		150	21
6.3		318	111
6.308		195	37
6.314		181	50
6.322		377	116
6.339		274	74
6.366		298	131
6.383		208	56
6.397		392	83
6.412		241	87
6.441		1066	1138
6.464		214	85
6.471		177	34
6.476		241	42
6.499		3298	4437
6.525		263	53

RT A	Compound A	Height A	Area A
6.534		341	68
6.551		193	40
6.572		4711	4599
6.601		254	53
6.612		296	160
6.622		188	63
6.64		402	139
6.652		420	188
6.66		424	93
6.667		290	91
6.677		445	195
6.69		237	43
6.719	DCB	404888	464127
6.801		227	51
6.811		357	182
6.832		348	120
6.849		393	114
6.863		356	102
6.878		287	145
6.886		269	71
6.901		252	69
6.909		311	49
6.92		293	120
6.934		386	55
6.944		146	26
6.965		245	81
6.972		426	112

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:48:37 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		5663	1618
2.081		36435	60126
2.278		5284	11884
2.324		4956	4427
2.449		2724	4832
2.512		2375	4224
2.618		10000	14432
2.64		82370	76050
2.716	TCX	1002569	636987
2.89		5595	4602
2.938		19538	22288
3.005		5561	4400
3.055		2185	1102
3.088		399	103
3.106		756	120
3.117		771	127
3.133		290	51
3.15		813	453
3.172		703	185
3.213		11283	7015
3.225		2065	648
3.249		1150	323
3.26		1032	209
3.266		1480	535
3.287		9747	6409
3.306		586	170
3.312		854	114
3.339		10085	7070
3.375		11663	6412
3.393		763	279
3.405		2907	1167
3.433		11954	16675
3.471		1509	680
3.489		7672	3625
3.519		6093	2630
3.534		20708	16241
3.558		1008	506
3.586		507	124
3.61		12473	8561
3.644		235075	150292
3.668		87767	51628
3.687		6280	2737
3.704		4410	3737
3.736		1087	1466
3.744		705	290
3.775		143806	95774
3.799		11404	5772
3.821		20390	15009
3.854		18701	9624
3.871		48097	29432
3.914		13021	12091
3.955		11542	11033
3.986		37557	21579
4.009		470550	336183

RT B	Compound B	Height B	Area B
4.035		54066	31601
4.056		47923	27120
4.075		94820	62643
4.112		411615	301272
4.146		164795	112730
4.166		108269	61907
4.227		33658	27144
4.264		149387	117285
4.324		312041	245424
4.358		89139	66776
4.386		553016	427273
4.426		42095	41885
4.482		261813	239687
4.52		42859	34879
4.555		345079	265735
4.579		59882	38749
4.623		220542	178890
4.652		11800	6675
4.728		201696	201649
4.782		240766	193598
4.823		55017	44551
4.864		383896	396970
4.913		31401	19785
4.937		12070	8141
5.004		6639	8150
5.057		20168	18597
5.093		19968	13974
5.117		123977	104224
5.168		17799	16383
5.203		12091	10034
5.236		8568	7394
5.265		60304	43846
5.286		41571	26287
5.305		6017	3129
5.363		9260	7792
5.457		1546	1936
5.501		3616	3884
5.544		48812	48648
5.621		1515	2585
5.7		9080	7988
5.742		2855	2534
5.769		11616	9489
5.816		5810	5404
5.863		942	390
5.921		2584	1772
5.945		1847	2262
5.986		1420	713
6.024		887	221
6.101		783	358
6.122		7765	6710
6.154		1150	448
6.182		1641	3084
6.234		1226	879
6.282	DCB	582329	564980
6.408		1207	631
6.435		2119	1968
6.49		925	872
6.56		1435	1192
6.598		987	1198
6.702		1957	14274

AR5421724C AAAR542AA ICAL 184699999 10227 SW-846 8082

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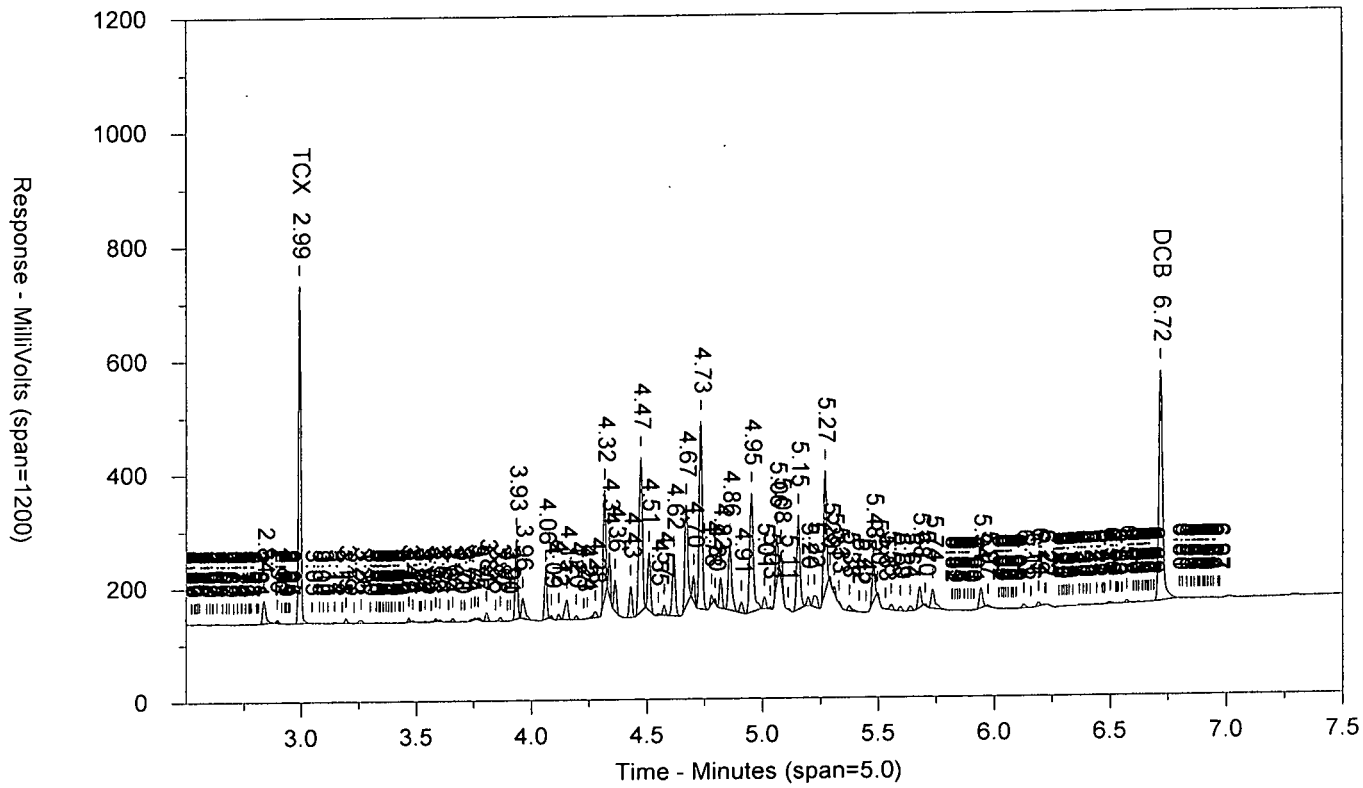

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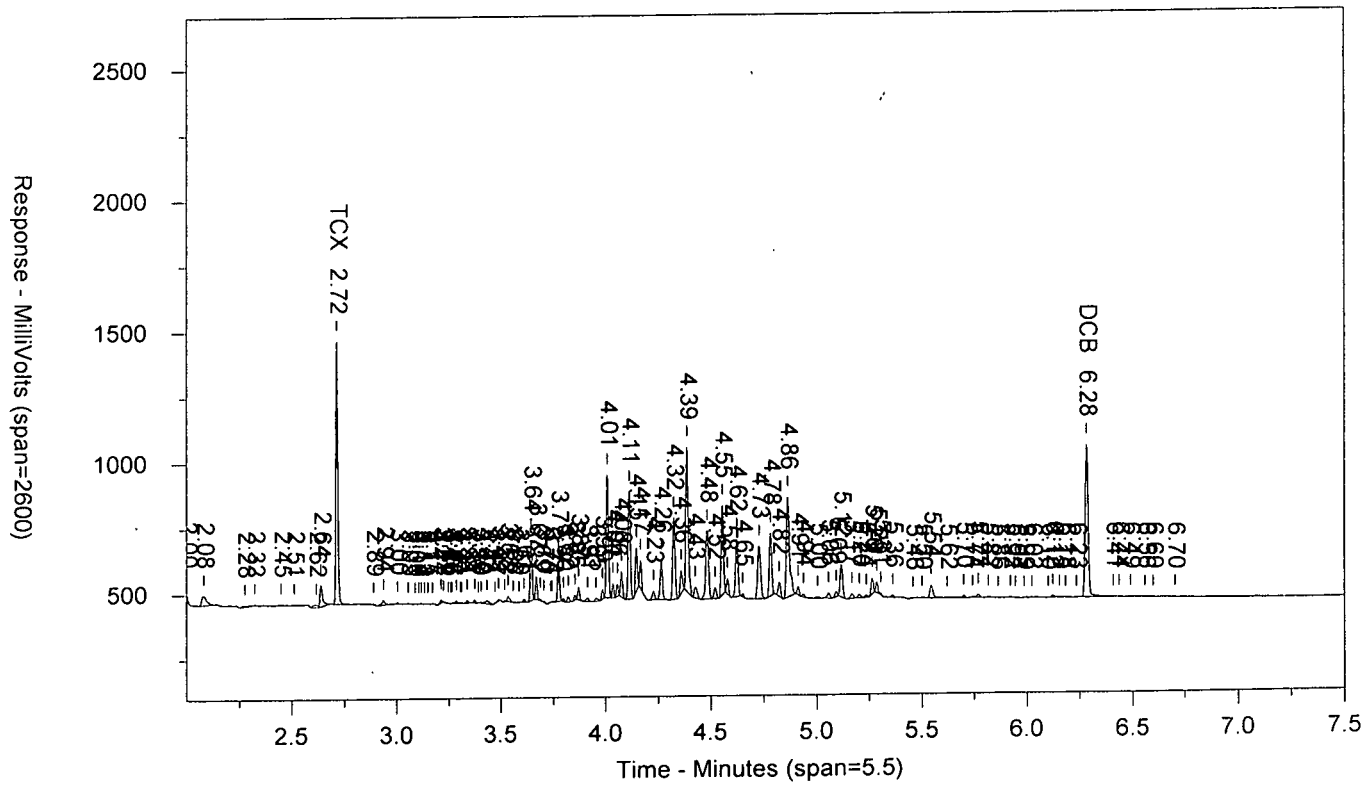

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:48:37 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	595066	3.868	TCX	2.716	1002569	3.798	TCX
6.719	404888	4.291	DCB	6.282	582329	4.048	DCB

Files:
Area File: 25pcbs18047001.020.RAW
Area File: 25pcbs18047001B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 5:57:09 PM
File Reported On: 2/16/2018 at 5:57:16 PM

AR5421724C AAAR542AA ICAL 184699999 10227 SW-846 8082

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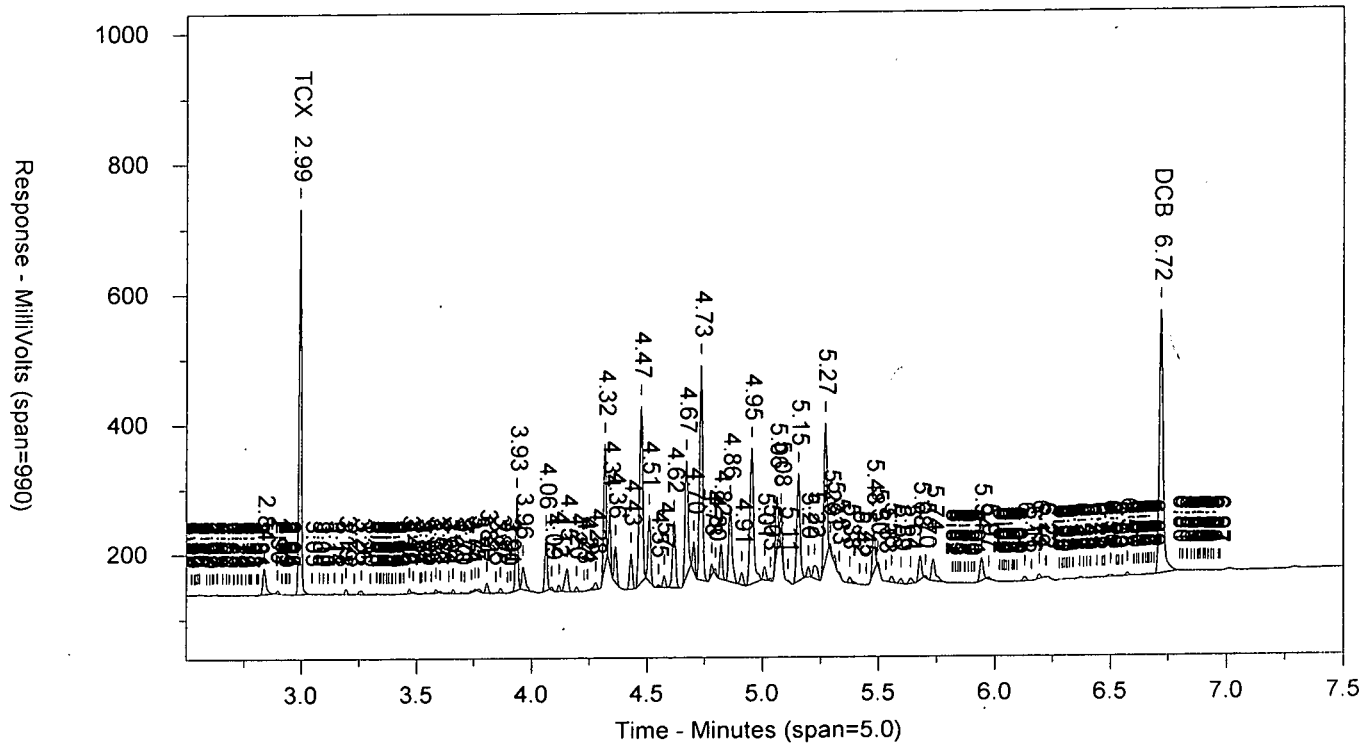

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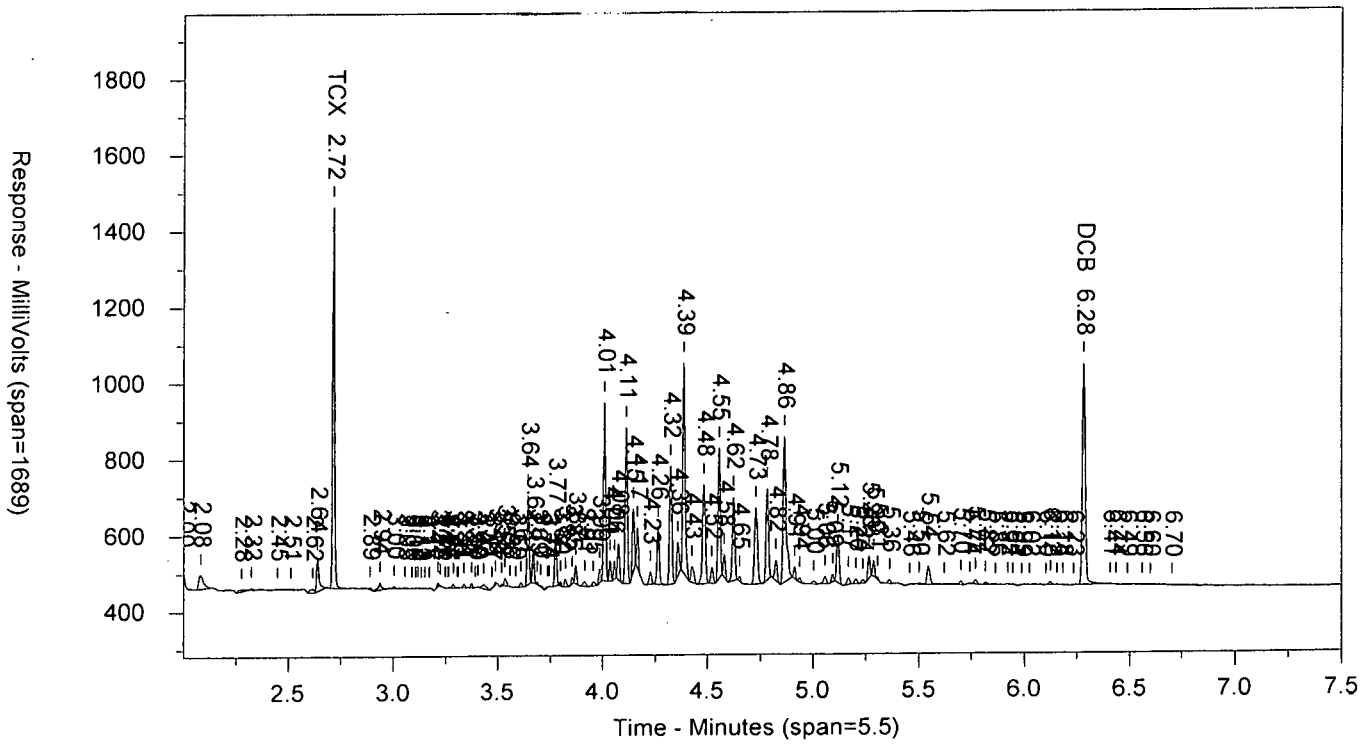

AR5421724C AAAR542AA ICAL 184699999 10227 SW-846 8082

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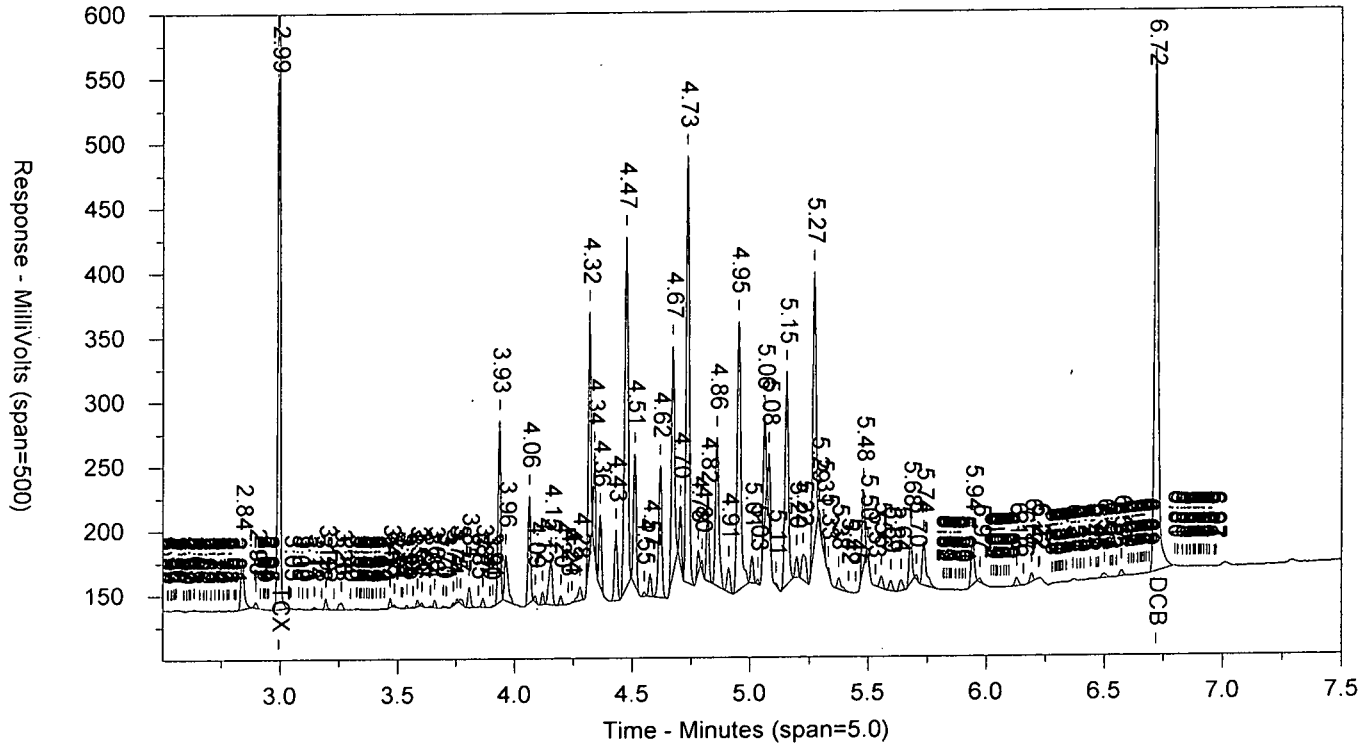

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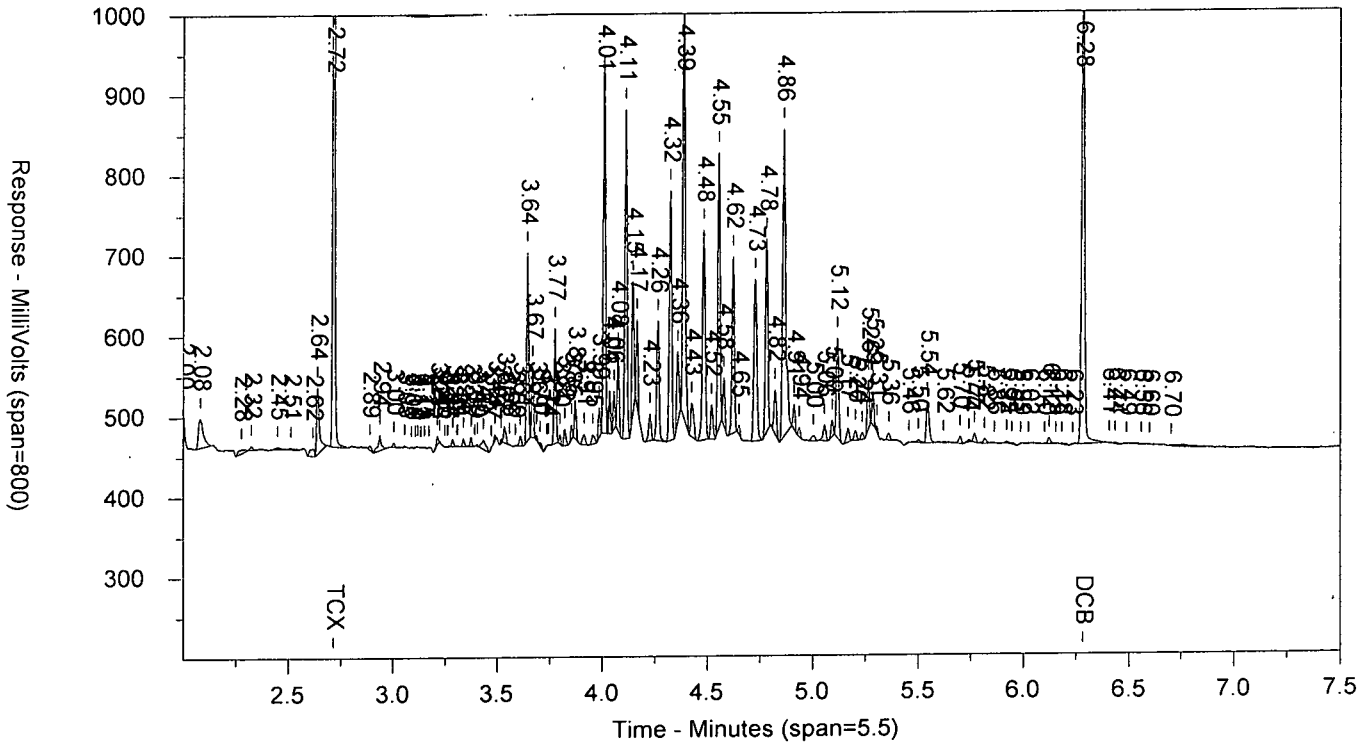

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:59:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.006		130	18
2.021		660	297
2.038		12757	11497
2.078		615	565
2.087		373	93
2.095		189	45
2.105		186	97
2.12		214	81
2.152		12753	21271
2.2		365	236
2.242		235	40
2.259		308	48
2.263		324	177
2.284		5953	3824
2.305		509	135
2.324		235	56
2.332		211	60
2.345		207	48
2.356		209	30
2.375		26239	16785
2.395		1572	788
2.421		208	49
2.437		1890	1838
2.46		242	79
2.47		291	56
2.491		9008	7492
2.515		80	17
2.526		300	98
2.542		200	36
2.553		674	410
2.568		357	100
2.586		257	92
2.611		949	540
2.62		314	51
2.636		1312	909
2.659		291	115
2.672		299	80
2.689		396	149
2.695		264	32
2.702		353	71
2.709		167	30
2.719		524	291
2.742		672	443
2.764		189	53
2.783		1141	903
2.798		250	49
2.806		304	69
2.813		198	40
2.838		33357	31635
2.896		6673	5474
2.926		150	25
2.951		224	165
2.97		230	40
2.993	TCX	1280838	846631

RT A	Compound A	Height A	Area A
3.055		215	27
3.061		283	33
3.077		985	815
3.103		278	47
3.115		217	46
3.127		117	26
3.143		3141	3045
3.172		298	44
3.194		18063	12656
3.217		324	76
3.231		186	64
3.257		8244	10720
3.284		285	61
3.298		154	39
3.302		207	20
3.308		286	95
3.326		2843	1830
3.348		669	461
3.373		269	77
3.402		248	86
3.421		175	100
3.428		216	43
3.444		359	107
3.468		13796	8603
3.485		3855	2357
3.522		378	186
3.539		5309	3150
3.562		1638	901
3.584		10657	6513
3.603		3233	2002
3.641		2545	1393
3.659		11182	7536
3.696		2411	1473
3.71		1156	594
3.739		2921	1608
3.754		6325	3096
3.768		5485	5677
3.806		31668	26586
3.846		339	176
3.865		14634	11673
3.895		162	44
3.908		1693	999
3.934		258046	194185
3.961		71815	74293
4.01		928	501
4.039		191	28
4.062		158821	121310
4.087		10110	6061
4.119		19621	14353
4.154		73335	72531
4.195		14912	11631
4.224		1150	480
4.242		2065	1112
4.278		16684	15311
4.317		355177	260846
4.337		134308	81549
4.362		106937	85381
4.43		110266	90779
4.474		498590	530276
4.509		186437	157067
4.551		7087	4901
4.575		35177	26705
4.617		194112	184179
4.67		335174	306589
4.702		84270	56399
4.733		644055	579535

RT A	Compound A	Height A	Area A
4.78		35843	24421
4.796		19028	9118
4.82		104511	83924
4.858		215679	221178
4.909		39880	33982
4.951		409386	441481
5.008		43228	35335
5.032		7746	4245
5.061		154837	116883
5.078		76587	56305
5.11		4316	3009
5.153		308061	317496
5.196		37600	28127
5.222		40148	57295
5.269		407230	374062
5.292		23703	10883
5.31		22762	13118
5.331		8550	4524
5.376		15189	12746
5.393		1533	958
5.454		429	306
5.479		153545	219363
5.555		18267	16562
5.595		16381	14521
5.637		14020	14604
5.678		73491	68189
5.703		6152	3770
5.735		66744	81244
5.826		292	67
5.849		262	87
5.882		290	48
5.89		249	47
5.902		491	183
5.911		184	35
5.942		67487	65411
5.972		6384	5321
6.033		374	384
6.06		432	93
6.069		359	99
6.078		322	66
6.092		100	31
6.101		150	17
6.128		14344	14847
6.159		295	80
6.166		279	56
6.192		14694	13340
6.215		3151	4928
6.263		245	38
6.273		407	105
6.281		521	98
6.287		213	29
6.292		253	77
6.303		280	112
6.316		367	149
6.324		312	66
6.331		295	54
6.342		161	108
6.369		3004	3002
6.395		398	144
6.409		361	165
6.42		94	21
6.44		2852	2901
6.472		239	57
6.499		4137	5653
6.533		226	39
6.547		402	85

RT A	Compound A	Height A	Area A
6.572		9658	9832
6.611		633	529
6.638		115	19
6.649		190	46
6.663		243	108
6.667		288	39
6.68		168	58
6.685		157	27
6.719	DCB	765470	917232
6.802		502	202
6.828		361	48
6.836		825	456
6.859		302	80
6.874		217	56
6.888		220	27
6.893		359	60
6.899		343	56
6.906		345	78
6.921		320	42
6.938		321	206
6.962		266	67
6.969		516	236
6.983		454	69
6.989		268	52

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:59:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		7407	2180
2.081		29213	50387
2.142		5292	4388
2.299		3544	16086
2.322		4999	5293
2.436		1162	1176
2.458		1963	2713
2.507		4886	34394
2.617		9364	15227
2.64		66870	57004
2.686		3201	1914
2.716	TCX	2142764	1338056
2.805		1878	2924
2.888		7217	6185
2.938		36916	36514
3.004		12643	7807
3.056		5584	4047
3.086		1072	238
3.116		1939	1266
3.132		782	168
3.145		526	191
3.172		4168	5654
3.214		22121	12647
3.224		2442	825
3.251		693	195
3.266		1212	383
3.287		16636	10644
3.338		20090	13157
3.356		1332	452
3.375		22696	12647
3.389		1071	280
3.403		4759	2549
3.422		2808	935
3.434		10240	10249
3.489		14948	6783
3.499		7654	3450
3.519		9777	4466
3.534		41316	32480
3.571		748	166
3.577		641	103
3.583		496	95
3.61		25639	16947
3.644		436170	282481
3.668		163414	97642
3.686		11879	5242
3.702		4576	5170
3.734		1426	1318
3.742		592	87
3.747		1019	188
3.753		623	174
3.774		271670	185314
3.799		23423	12120
3.821		38626	27341
3.853		36745	19732

RT B	Compound B	Height B	Area B
3.87		94537	57148
3.914		27275	24520
3.955		23082	22598
3.986		73827	43661
4.008		902140	644756
4.035		101562	61029
4.056		90760	51138
4.075		163150	107048
4.112		797229	578003
4.145		318352	211463
4.165		198164	116223
4.227		64506	48786
4.264		278140	229118
4.323		601062	480808
4.358		174078	130301
4.386		1060412	828470
4.426		83116	82113
4.482		494761	459928
4.52		82147	66730
4.555		660430	510429
4.579		110466	72258
4.623		410137	341072
4.651		24118	14637
4.728		386763	388040
4.782		476422	405326
4.823		117145	104033
4.864		739452	763512
4.913		62130	40931
4.936		24398	16627
5.001		10447	11885
5.057		41248	38140
5.092		39187	27776
5.117		238769	199315
5.167		35495	33407
5.203		26095	20832
5.236		16571	15475
5.265		113456	83961
5.286		75507	49328
5.304		13158	6446
5.326		2528	1736
5.361		20811	31447
5.462		2207	4090
5.504		4258	3391
5.544		100614	100421
5.61		1004	429
5.643		1039	385
5.701		19262	16182
5.744		4577	3147
5.77		22285	18053
5.819		9921	9577
5.922		6467	10084
5.988		2780	3679
6.083		898	610
6.123		15286	13247
6.235		1144	1100
6.283	DCB	1179954	1137297
6.547		1306	2562
6.645		1225	1151
6.738		1463	1414
6.834		956	628
6.985		815	415

AR5431724C AAAR543AA ICAL 184699999 10227 SW-846 8082

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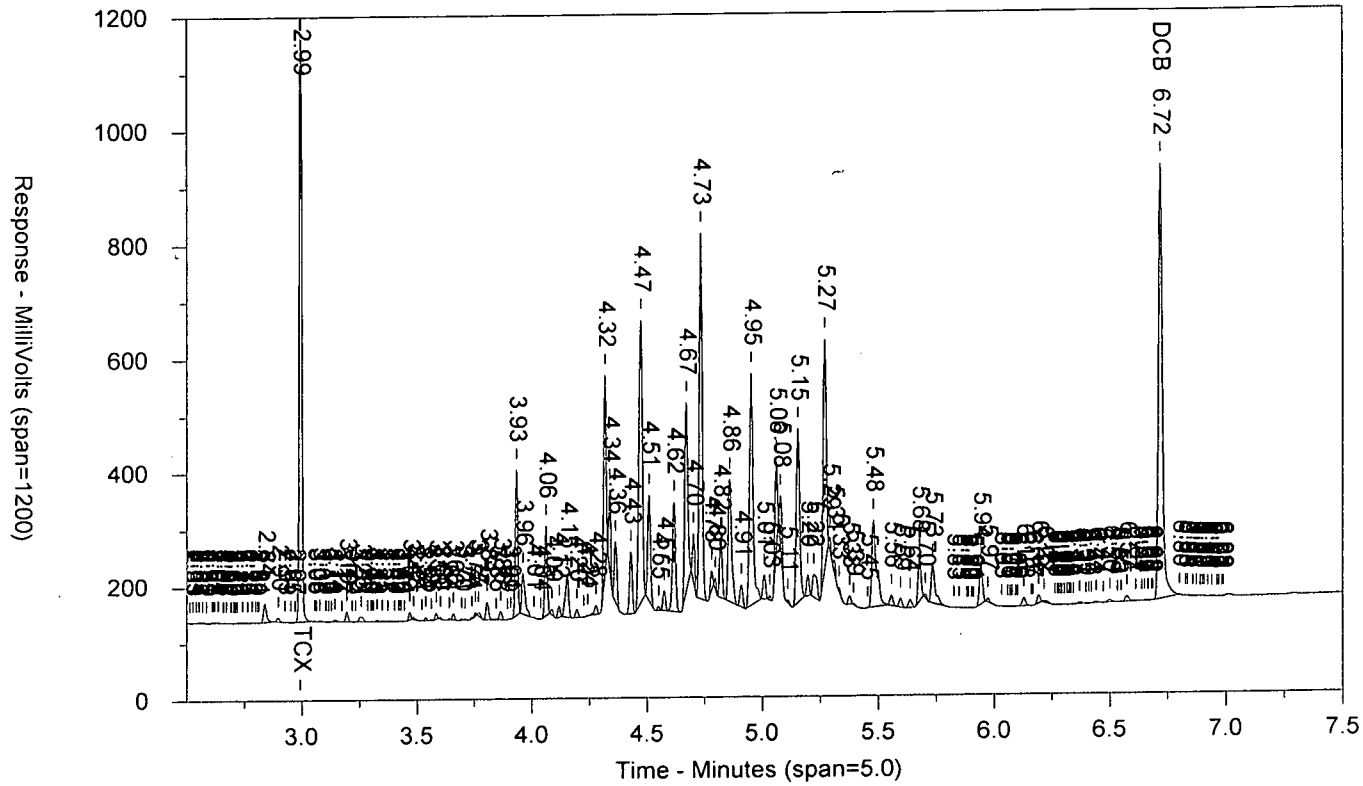

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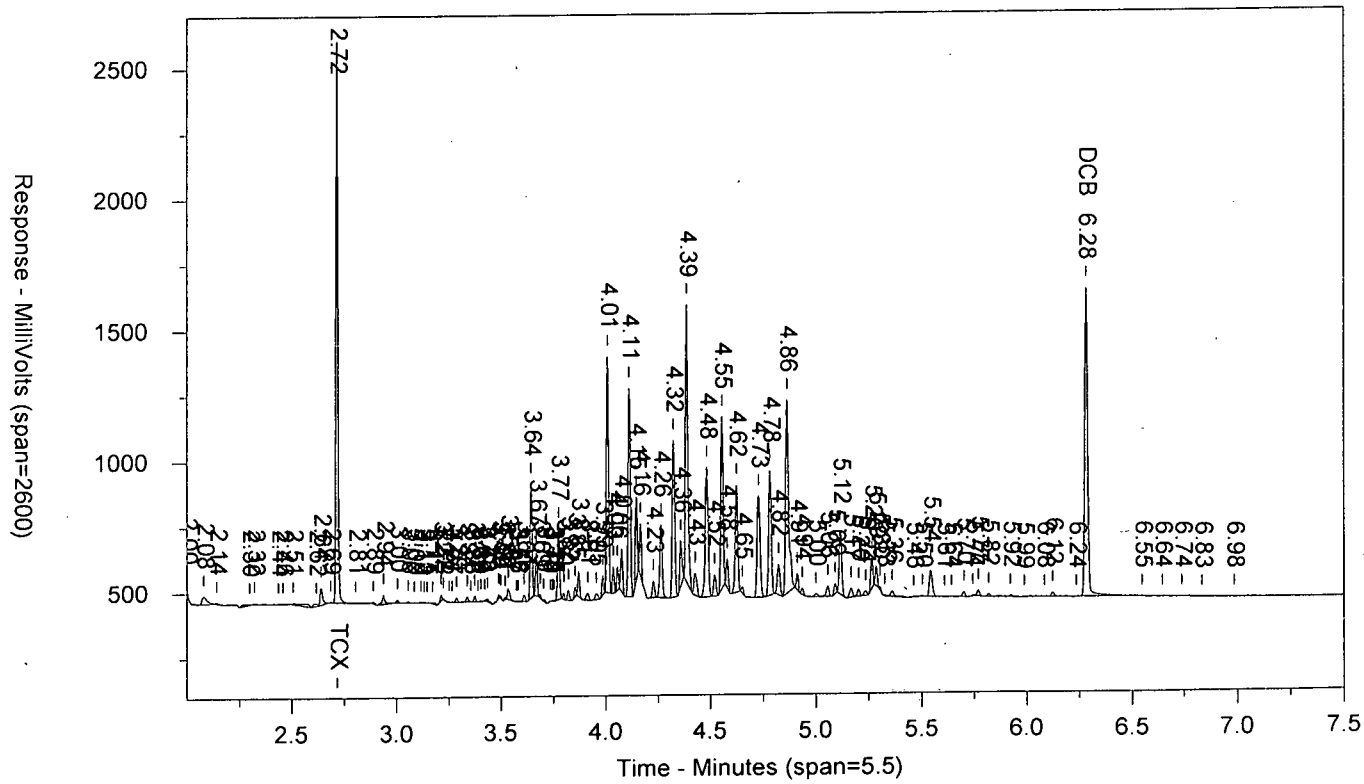

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 5:59:56 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	1280838	8.326	TCX	2.716	2142764	8.116	TCX
6.719	765470	8.113	DCB	6.283	1179954	8.203	DCB

Files:
Area File: 25pcbs18047001.021.RAW
Area File: 25pcbs18047001B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 6:08:29 PM
File Reported On: 2/16/2018 at 6:08:38 PM

AR5431724C AAAR543AA ICAL 184699999 10227 SW-846 8082

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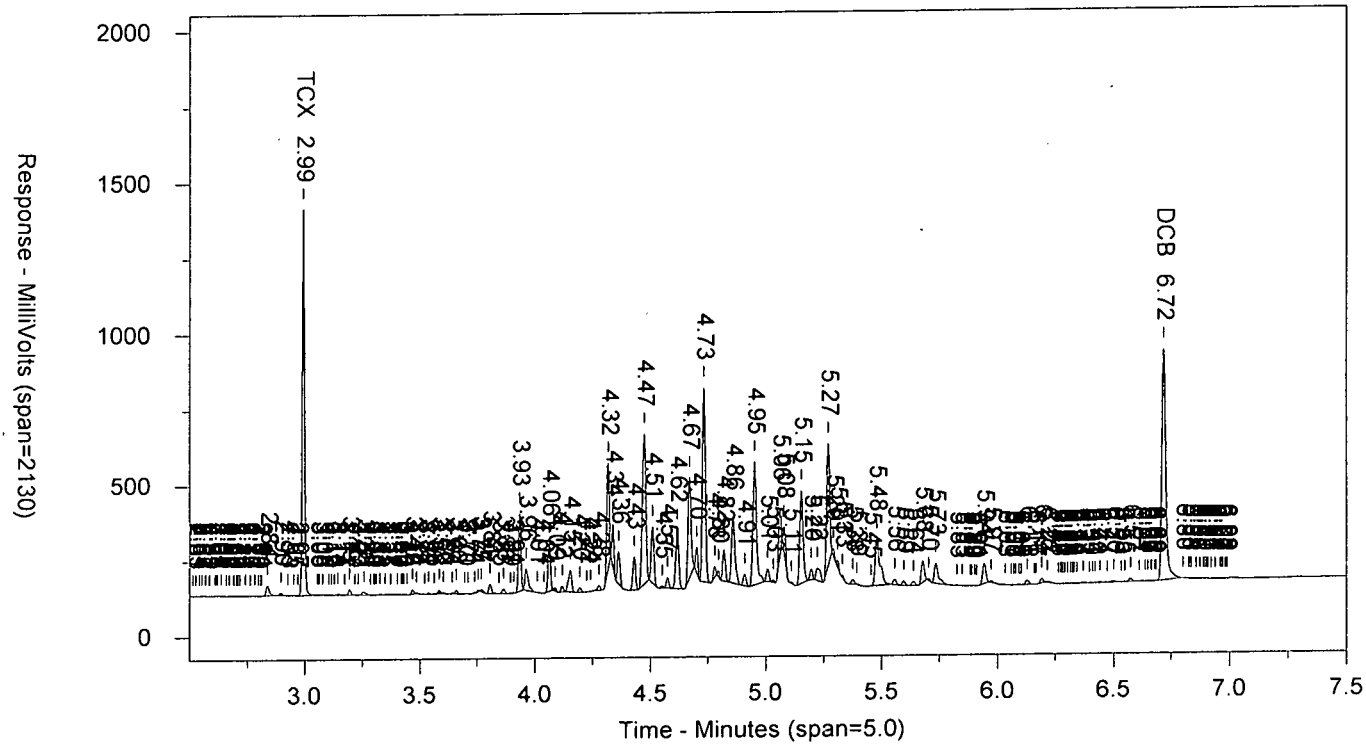

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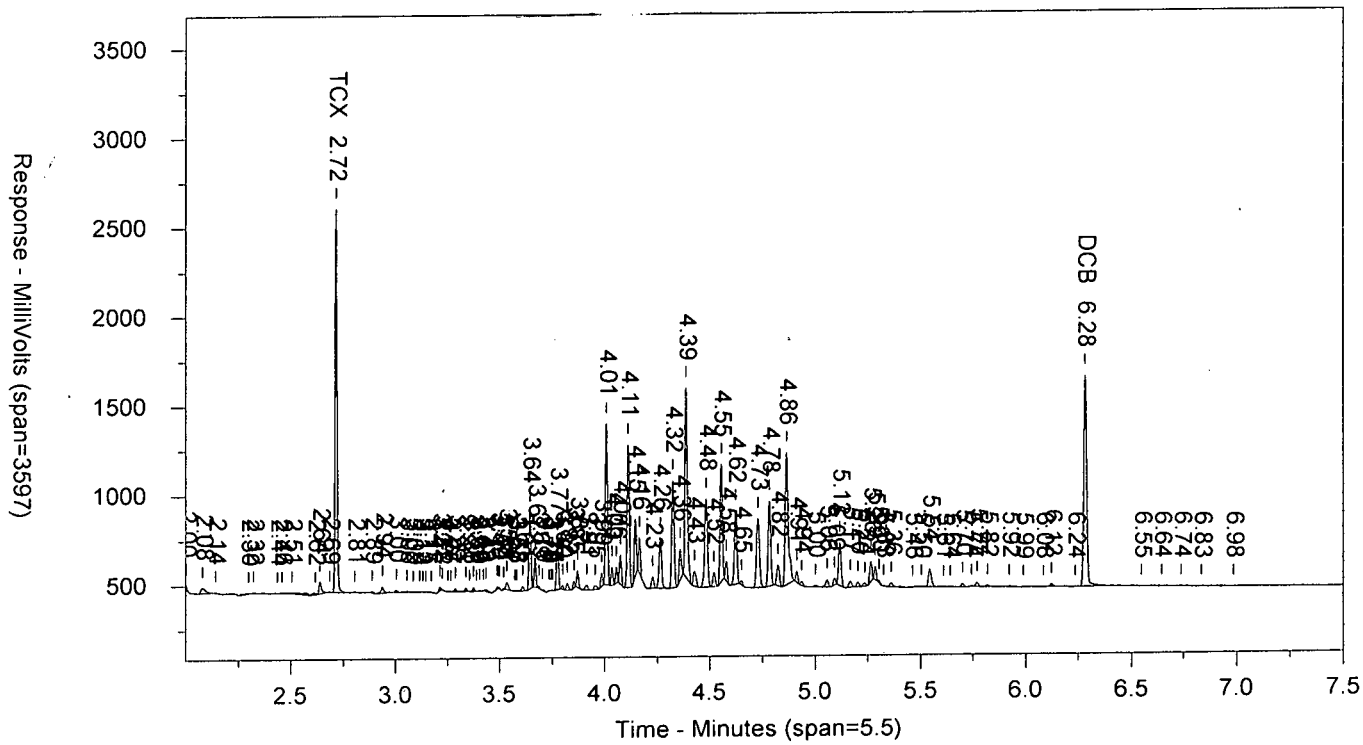

AR5431724C AAAR543AA ICAL 184699999 10227 SW-846 8082

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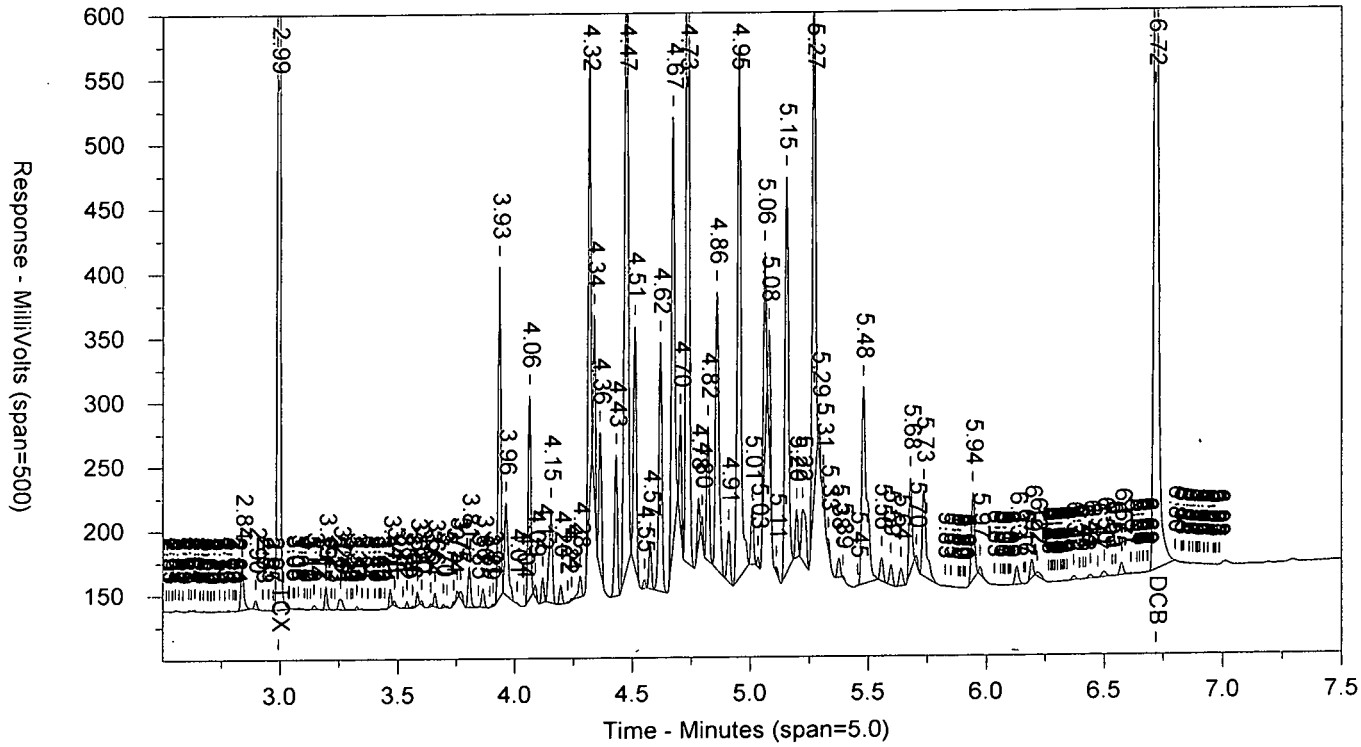

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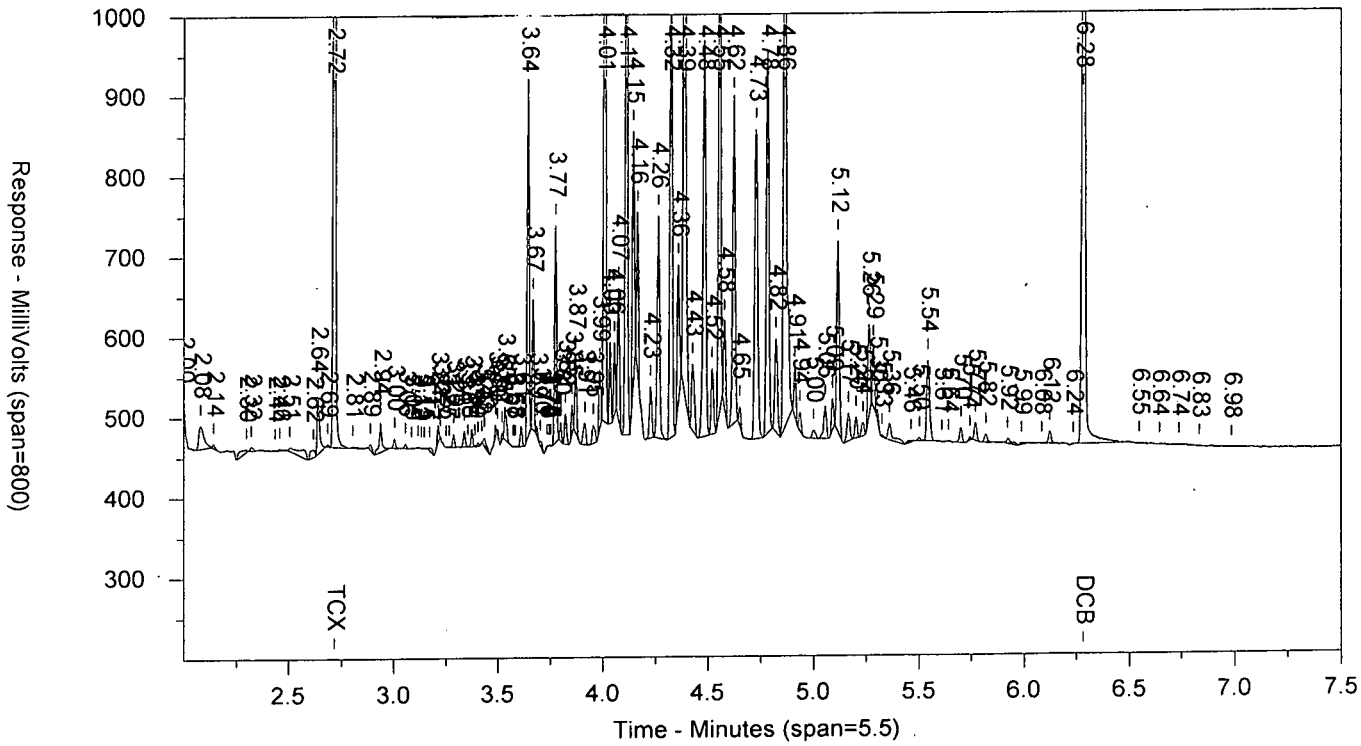

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:11:14 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.009		225	44
2.014		306	74
2.038		12839	11167
2.074		937	647
2.09		281	112
2.104		789	454
2.156		50425	98853
2.244		389	136
2.261		682	384
2.284		13694	8936
2.343		609	406
2.358		324	142
2.375		27980	17083
2.395		4263	2029
2.413		1402	690
2.435		1961	2438
2.473		255	47
2.491		12917	10505
2.514		207	41
2.537		263	42
2.542		98	15
2.554		572	438
2.583		296	80
2.61		934	519
2.634		2768	2003
2.659		194	34
2.673		111	23
2.677		262	35
2.689		932	585
2.71		141	22
2.722		652	408
2.739		1749	1466
2.768		284	158
2.78		683	379
2.796		213	68
2.801		217	42
2.812		383	146
2.838		40260	38808
2.896		13751	12134
2.934		423	179
2.946		246	178
2.993	TCX	3080326	2015771
3.08		2531	1634
3.093		442	231
3.144		7481	7895
3.194		40341	28688
3.254		22292	27333
3.303		220	121
3.326		6918	4128
3.345		2297	1381
3.364		174	34
3.369		374	107
3.388		185	65
3.393		269	57

RT A	Compound A	Height A	Area A
3.427		672	463
3.44		696	431
3.467		29351	18490
3.485		8319	5627
3.522		752	284
3.538		11383	6935
3.562		874	503
3.584		19532	11393
3.6		8965	5654
3.641		6875	4202
3.659		25371	15960
3.696		5906	3535
3.711		1982	891
3.734		14948	10183
3.755		14178	7189
3.769		14311	13183
3.806		69342	55497
3.865		32476	29081
3.911		636	944
3.935		562797	427448
3.961		153971	133992
3.984		5104	2060
4.01		1735	968
4.062		350281	270966
4.087		22051	13269
4.119		44747	31405
4.154		162190	163376
4.196		33049	26990
4.226		1935	1017
4.261		4603	7352
4.279		27937	19219
4.316		803036	611112
4.338		304388	189296
4.363		243113	189719
4.431		236976	206563
4.474		1253727	1235701
4.51		430854	354652
4.552		16826	10943
4.576		82218	63731
4.618		422701	421024
4.67		810180	725138
4.702		184043	128135
4.733		1634591	1410452
4.781		71053	53722
4.796		32187	16490
4.82		234226	189174
4.859		489285	513739
4.908		98731	90918
4.951		972502	1060875
5.008		106027	87805
5.034		20142	11297
5.061		355284	281118
5.079		197752	125645
5.111		13944	10029
5.153		836006	807519
5.197		95158	74228
5.223		99662	142746
5.27		1033104	950204
5.291		55509	26706
5.309		55310	34207
5.33		12060	8801
5.375		42827	34626
5.395		4595	2439
5.452		1315	832
5.479		286720	251693
5.496		25573	19277

RT A	Compound A	Height A	Area A
5.53		2236	1233
5.554		47542	41943
5.594		41671	38524
5.636		47129	51755
5.677		207267	189159
5.703		31103	20159
5.734		175613	203224
5.81		316	72
5.818		425	89
5.824		487	130
5.846		4541	4535
5.889		266	209
5.899		401	160
5.942		176911	184461
5.972		19259	15220
6.029		2289	1834
6.067		346	72
6.081		664	462
6.098		1223	721
6.128		35120	34027
6.172		43661	35223
6.191		20934	12732
6.217		17274	36426
6.283		1353	2590
6.287		379	211
6.302		320	49
6.32		2047	1907
6.369		10344	13377
6.406		484	102
6.437		3945	5287
6.494		20213	28646
6.537		200	93
6.541		398	96
6.569		24569	22909
6.607		4623	4472
6.661		238	688
6.665		435	100
6.679		307	96
6.717	DCB	1859072	2060773
6.822		174	26
6.827		221	36
6.832		324	148
6.894		267	37
6.901		314	123
6.91		363	284
6.935		361	96
6.942		293	128
6.971		291	72

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:11:14 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		8130	2127
2.084		110209	163634
2.142		12486	10986
2.279		3680	13919
2.295		2385	1676
2.323		5510	5394
2.36		4622	4967
2.438		2236	2230
2.459		3404	3169
2.508		3749	5562
2.607		18097	27842
2.64		82636	75255
2.686		2395	1707
2.716	TCX	5231670	3206273
2.802		5155	9067
2.877		955	1137
2.888		19849	14300
2.937		85232	87377
3.004		25686	16662
3.055		13623	9173
3.09		816	722
3.101		408	64
3.117		3909	2385
3.134		1393	1904
3.17		978	1232
3.213		49784	31398
3.225		6349	2036
3.266		3405	1703
3.288		26785	16381
3.314		3511	2132
3.339		43918	28119
3.356		1661	471
3.375		47105	26016
3.404		15406	8744
3.421		7022	3056
3.434		14746	16597
3.471		30444	19692
3.489		30170	14583
3.499		16606	7065
3.519		18964	8731
3.534		83519	66963
3.588		956	304
3.61		58118	37596
3.644		1003267	619294
3.668		342991	207899
3.687		30539	13918
3.703		15319	7255
3.737		9111	11191
3.75		1573	515
3.775		611866	407507
3.799		50518	26783
3.822		83923	60610
3.854		70933	38619
3.871		211911	129219

RT B	Compound B	Height B	Area B
3.914		57455	52360
3.955		60438	66022
3.986		141586	81248
4.008		2147705	1490347
4.035		234608	137591
4.056		195314	111692
4.075		348721	226059
4.112		1844511	1331924
4.146		693426	469360
4.166		435388	250034
4.228		143339	115250
4.264		567285	448900
4.324		1399879	1105733
4.359		388556	293437
4.387		2629334	1972926
4.426		184260	184409
4.482		1127781	1048833
4.52		196574	165419
4.555		1502669	1125929
4.579		245775	164148
4.623		949799	773995
4.651		54987	34703
4.728		876507	885082
4.782		1203711	970664
4.822		273909	225399
4.864		1766997	1805548
4.912		136536	90243
4.936		56335	39438
5.002		34617	39602
5.057		99863	92684
5.093		88178	63802
5.117		554441	458907
5.167		85221	83590
5.203		57984	47664
5.235		36287	35180
5.264		281809	205347
5.286		172096	114324
5.305		30477	15547
5.327		5306	2937
5.361		47319	83925
5.462		13700	29407
5.502		8241	5867
5.517		7348	3714
5.545		188702	223451
5.613		1403	1504
5.641		10001	12628
5.701		34233	29895
5.742		13844	21095
5.769		54243	43885
5.818		28178	28951
5.856		4323	4822
5.887		1441	678
5.923		19788	39344
5.992		8332	12878
6.028		4954	4254
6.122		31137	29810
6.179		4431	12644
6.239		4863	6677
6.282	DCB	2718509	2562760
6.385		5098	3415
6.408		6880	7622
6.44		5399	5091
6.471		4632	5584
6.549		1892	1458
6.586		3951	5746
6.649		1094	1073

RT B	Compound B	Height B	Area B
6.71		1795	2115
6.731		2575	1187
6.764		4536	12526
6.822		11201	14541
6.85		1623	679
6.879		8331	16364
6.925		1804	1123
6.955		1136	425

AR5441724C AAAR544AA ICAL 184699999 10227 SW-846 8082

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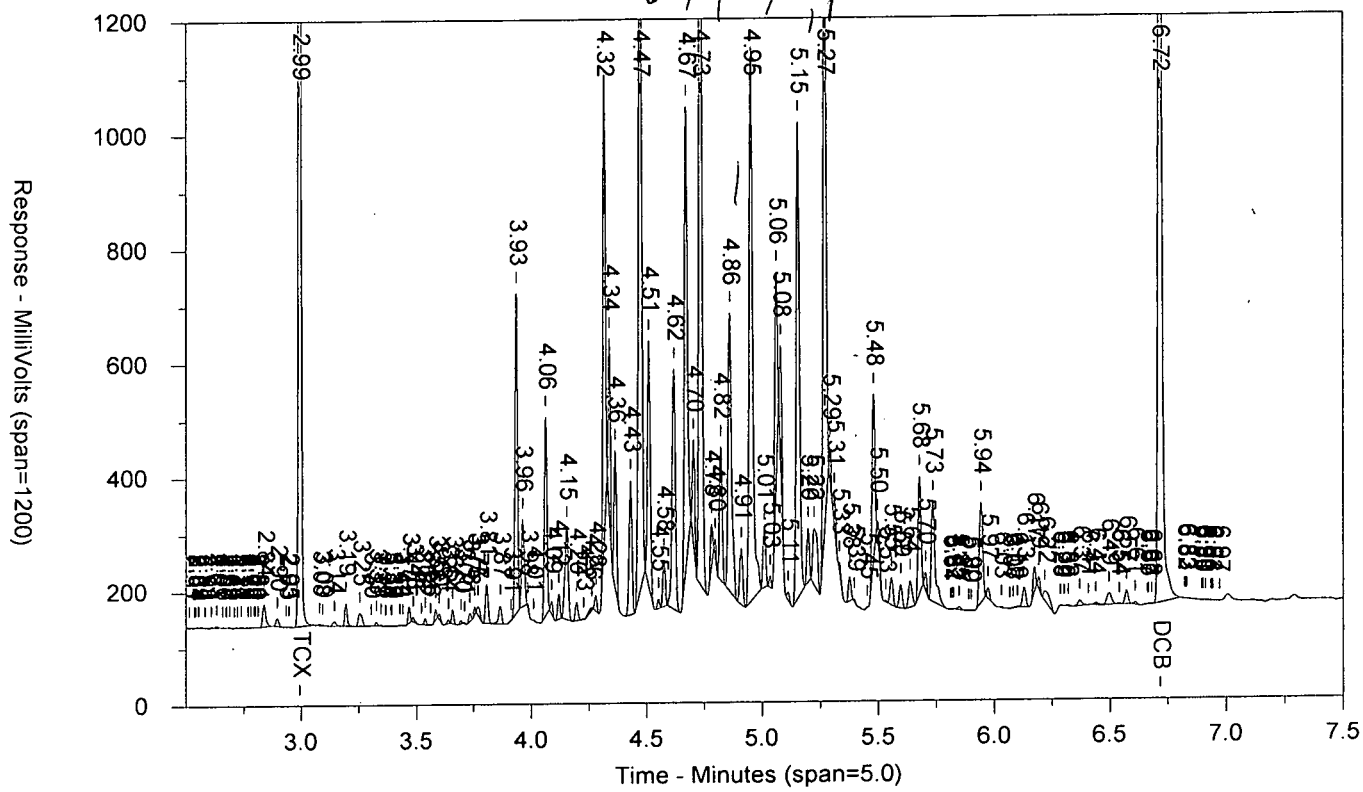

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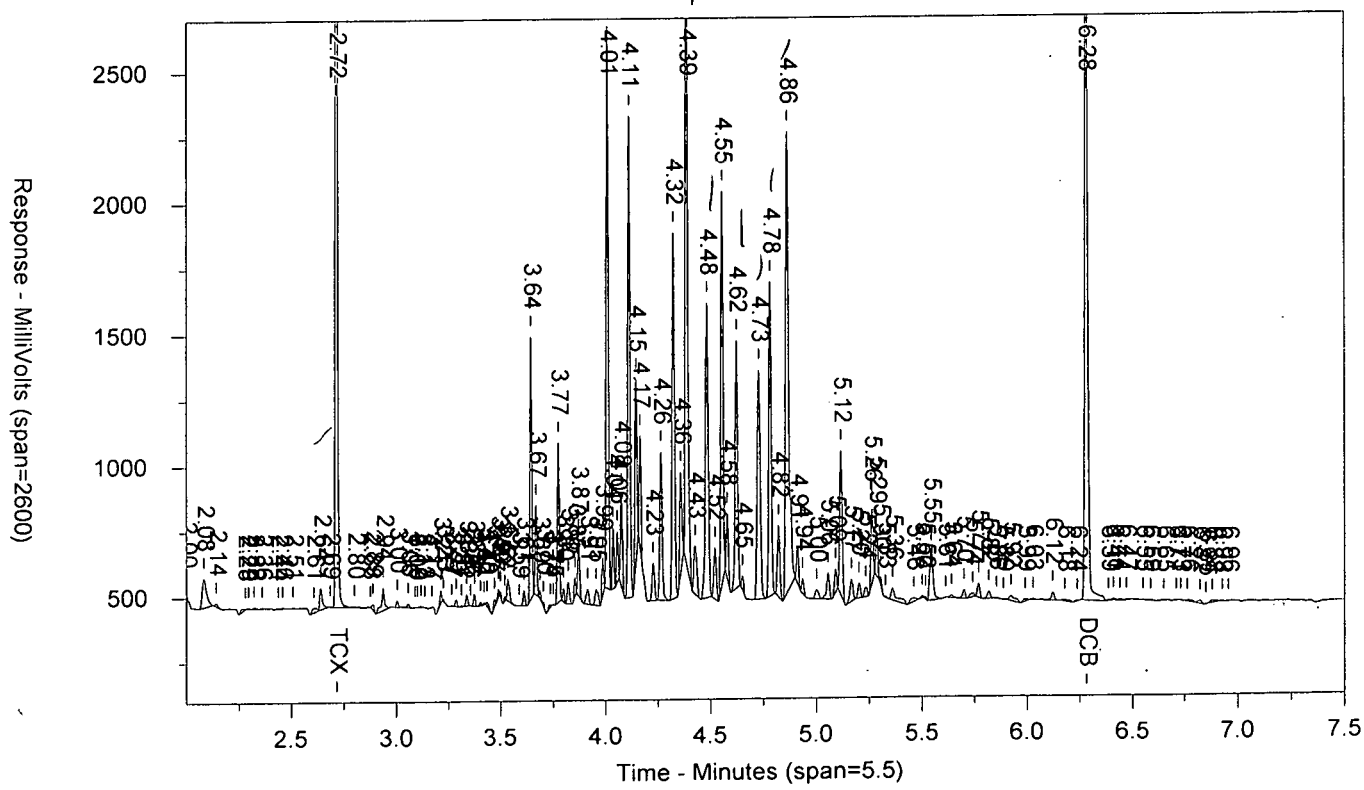

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:11:14 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	3080326	20.025	TCX	2.716	5231670	19.817	TCX
6.717	1859072	19.704	DCB	6.282	2718509	18.898	DCB

Files:
Area File: 25pcbs18047001.022.RAW
Area File: 25pcbs18047001B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 6:19:44 PM
File Reported On: 2/16/2018 at 6:19:56 PM

AR5441724C AAAR544AA ICAL 184699999 10227 SW-846 8082

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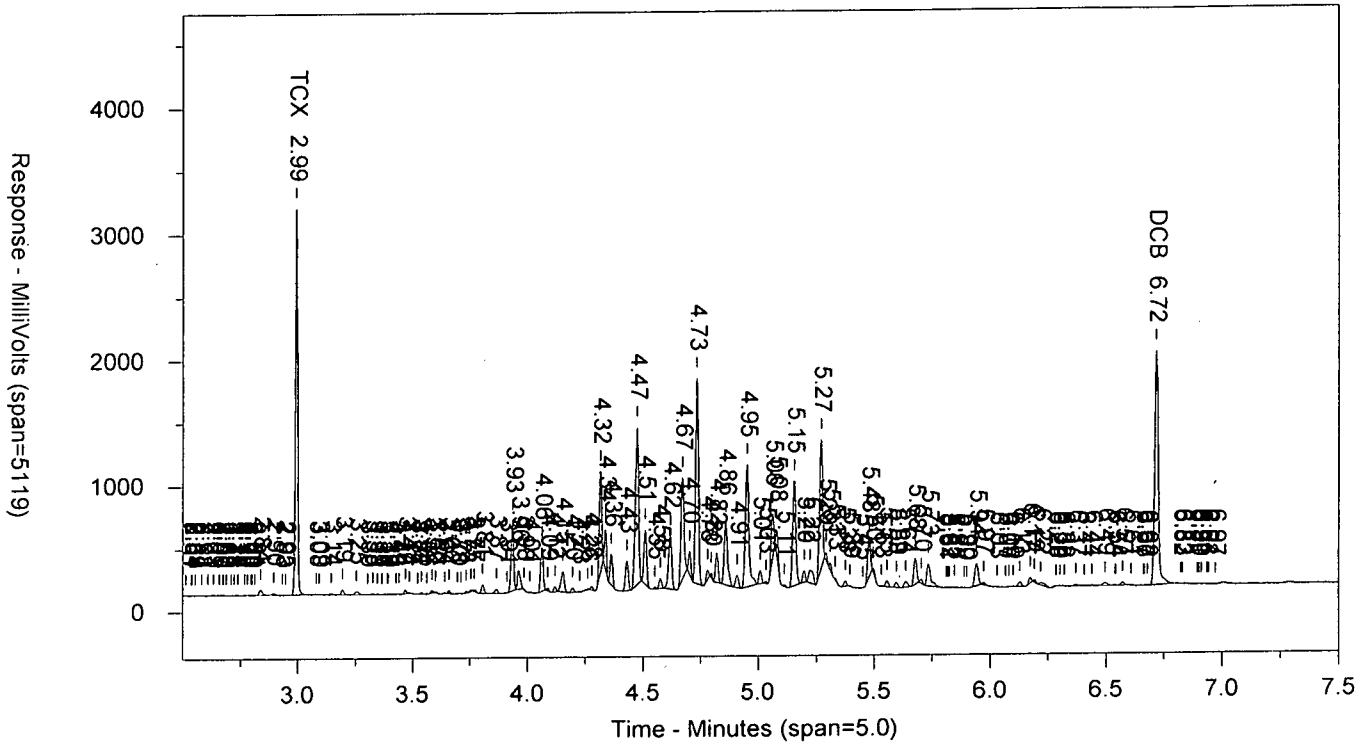

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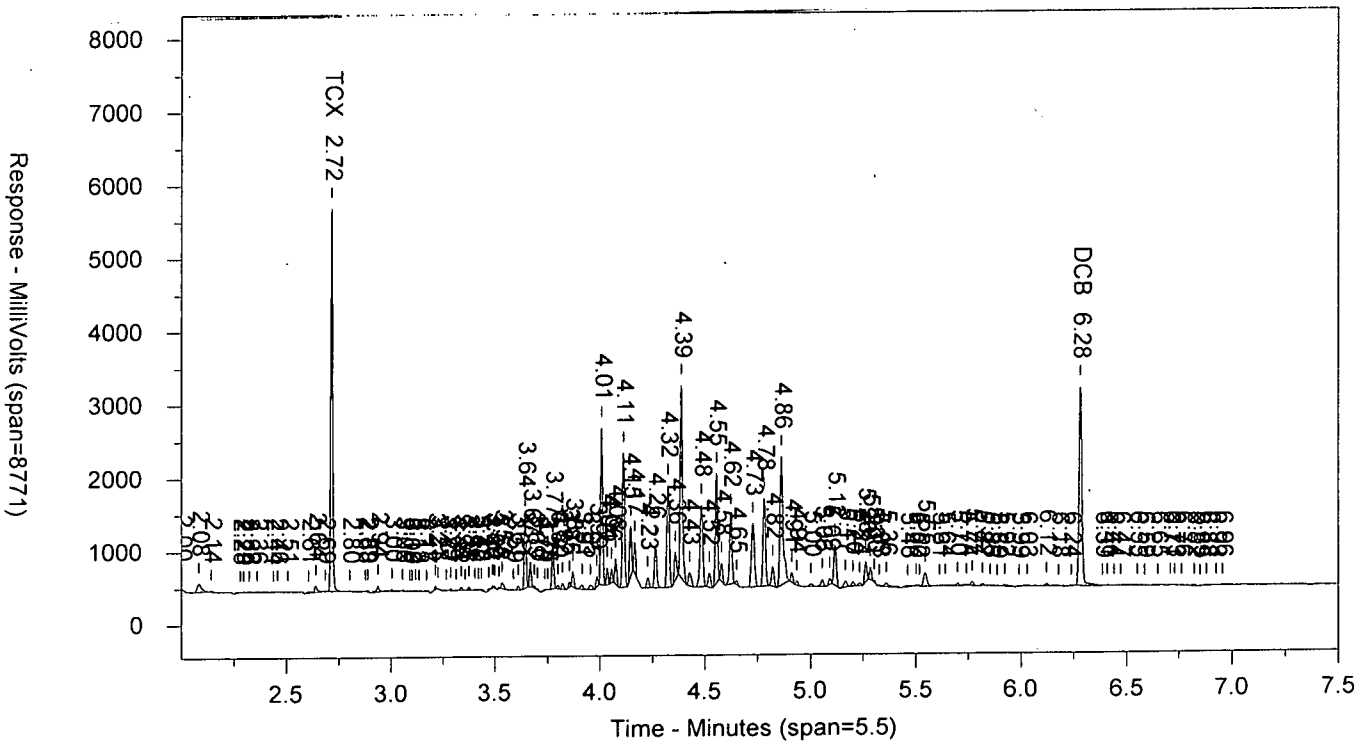

AR5441724C AAAR544AA ICAL 184699999 10227 SW-846 8082

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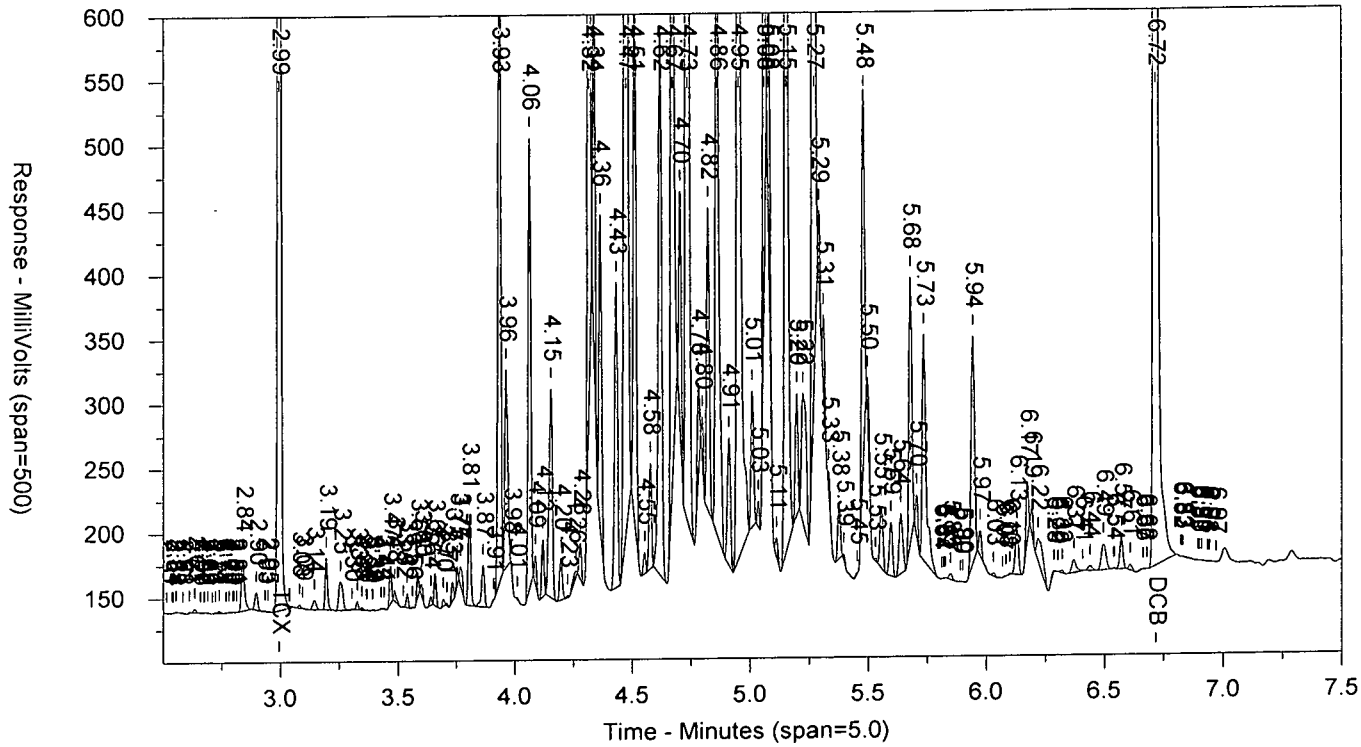

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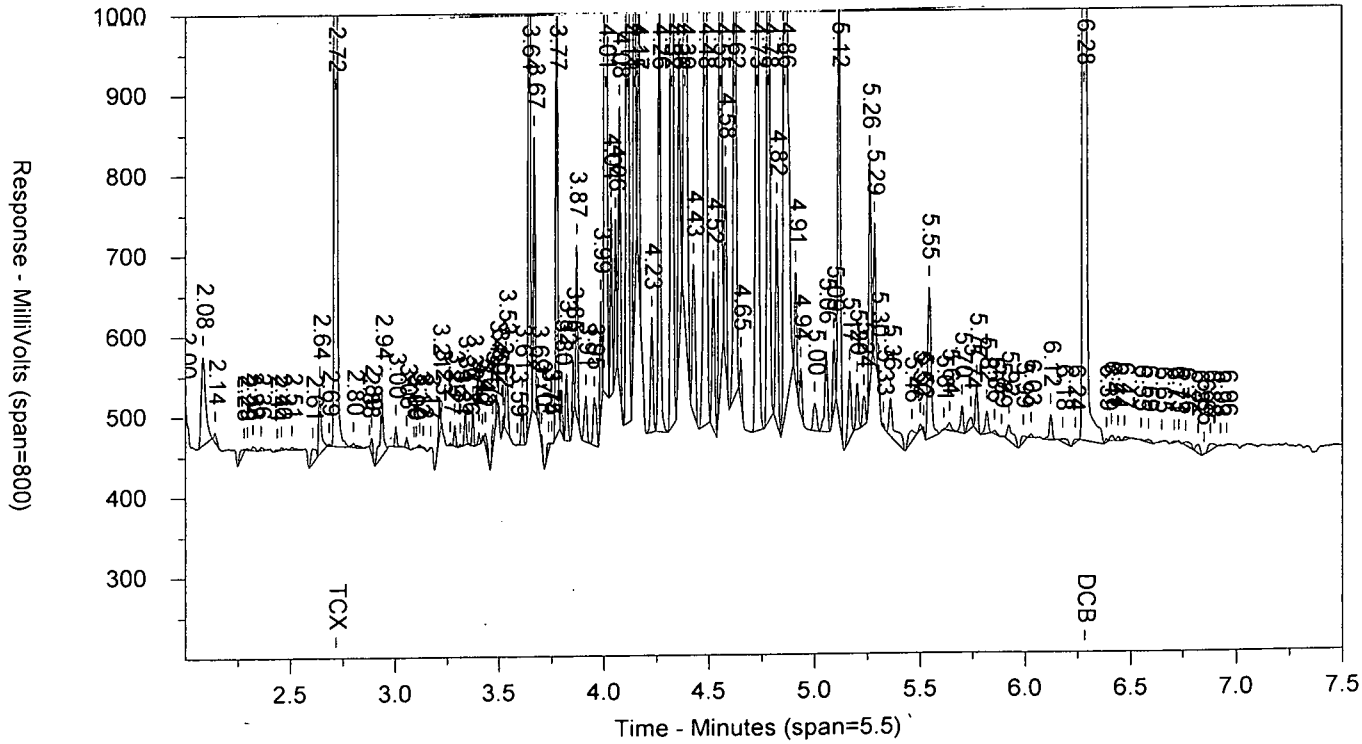

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:22:31 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.014		500	211
2.02		543	189
2.038		7194	6266
2.078		550	410
2.084		292	51
2.093		203	94
2.104		385	152
2.113		338	65
2.12		223	54
2.154		18422	29533
2.205		492	118
2.26		505	264
2.284		29263	22301
2.329		269	43
2.339		437	250
2.376		21023	12703
2.395		9733	5720
2.437		2044	2028
2.458		274	75
2.491		5470	4132
2.519		179	54
2.541		223	100
2.554		794	781
2.593		248	40
2.613		855	478
2.635		2185	1676
2.661		228	158
2.685		486	309
2.72		399	159
2.736		617	445
2.77		164	48
2.781		827	472
2.799		119	44
2.838		44614	44489
2.895		3394	2833
2.94		94	35
2.95		212	48
2.994	TCX	6410702	4247126
3.074		205	54
3.079		428	73
3.096		1731	971
3.113		466	223
3.125		216	39
3.146		13728	11973
3.195		85021	58708
3.234		327	44
3.251		31145	24726
3.293		235	35
3.306		182	36
3.311		117	13
3.327		13004	8051
3.346		3956	2244
3.363		299	37
3.375		237	40

RT A	Compound A	Height A	Area A
3.384		216	77
3.403		202	50
3.408		309	57
3.414		238	70
3.427		271	75
3.441		279	63
3.468		60397	36378
3.486		18123	11788
3.523		2120	912
3.539		23908	14828
3.562		698	308
3.585		54115	40604
3.641		13410	8086
3.66		53046	34027
3.696		11483	6564
3.711		4173	2028
3.739		2239	1174
3.755		33324	17242
3.769		29161	24329
3.806		142470	117195
3.841		413	130
3.866		64690	50565
3.908		9783	6004
3.935		1119384	811855
3.962		314923	319052
4.01		4445	2504
4.063		695591	522997
4.088		44713	27440
4.119		93189	65428
4.154		315977	316317
4.196		67098	54028
4.226		4469	2383
4.243		15926	10137
4.279		60556	47388
4.318		1686251	1223861
4.338		613028	384269
4.363		468172	370345
4.431		458911	392242
4.474		2621768	2495316
4.51		875636	682454
4.551		34679	23647
4.575		158345	124279
4.618		857805	766598
4.671		1659844	1477494
4.703		360741	249660
4.734		3367416	2858247
4.781		144144	102135
4.795		57847	29233
4.82		446352	362658
4.859		979917	979689
4.909		181908	168839
4.951		1990741	1868269
4.981		39483	25500
5.008		187046	150367
5.033		35380	22124
5.062		747925	553741
5.079		379708	248255
5.111		25257	18452
5.153		1676595	1575005
5.197		179007	134594
5.223		44010	33484
5.23		27520	28349
5.269		2085570	1876779
5.29		112595	55141
5.309		72692	39443
5.332		52591	35082

RT A	Compound A	Height A	Area A
5.376		71537	61970
5.395		10243	5676
5.453		2168	1686
5.479		545160	469094
5.497		50421	35023
5.554		87707	77964
5.595		80180	74902
5.635		46233	43270
5.677		356283	332052
5.703		45756	28674
5.734		275831	243130
5.755		11144	6218
5.82		980	514
5.875		300	38
5.941		268467	261553
5.971		39864	36887
6.063		345	192
6.09		238	47
6.098		166	30
6.127		65816	68877
6.192		68843	62139
6.213		12209	7055
6.277		342	173
6.303		319	90
6.319		48	2
6.327		416	131
6.335		357	55
6.368		16420	17203
6.41		221	50
6.416		217	58
6.438		3879	3832
6.469		315	73
6.476		118	23
6.498		2551	2476
6.524		158	21
6.529		364	101
6.539		778	235
6.57		47651	51123
6.637		343	125
6.653		105	9
6.657		240	40
6.671		309	122
6.676		248	48
6.717	DCB	3696400	4093425
6.845		814	215
6.893		526	333
6.914		310	103
6.931		286	45
6.952		335	77
6.965		396	274
6.99		153	39

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:22:31 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		30922	19747
2.082		40394	66125
2.142		21011	16064
2.241		5621	4588
2.276		3018	4722
2.324		4411	4843
2.398		1913	1718
2.46		2240	1901
2.508		2785	4655
2.57		2986	4221
2.612		8524	12854
2.64		90815	92656
2.716	TCX	10961730	6773760
2.889		31190	24604
2.938		144415	103804
3.004		56204	37043
3.056		25973	16021
3.082		415	55
3.099		590	187
3.117		8335	5823
3.152		860	305
3.166		767	180
3.175		912	130
3.18		1847	1237
3.214		90098	48207
3.226		13298	3676
3.266		6181	3441
3.289		49019	30885
3.315		2692	1465
3.339		87690	56840
3.356		3612	1061
3.376		99846	62896
3.405		26456	13737
3.423		15853	7093
3.436		12544	6488
3.489		62168	30985
3.499		35612	15145
3.52		35926	16899
3.535		165916	138968
3.584		521	143
3.594		762	118
3.611		114647	76450
3.644		1980295	1226148
3.669		678185	404398
3.687		57432	25925
3.706		17891	10532
3.732		1319	637
3.741		1436	377
3.751		617	145
3.775		1199798	796641
3.799		96070	54568
3.822		156467	112247
3.854		147590	82486
3.871		409436	249931

RT B	Compound B	Height B	Area B
3.915		123661	109839
3.955		100535	98421
3.986		359144	219390
4.009		4603159	3059280
4.036		442158	265870
4.056		383339	215943
4.076		677785	432399
4.112		3784532	2697302
4.146		1407257	957197
4.166		931150	509885
4.228		272308	207292
4.264		1324326	1054104
4.324		3037223	2293404
4.359		804482	586271
4.387		5461262	4104722
4.427		343838	354551
4.483		2266601	2088302
4.52		356610	286118
4.555		3413193	2529285
4.579		476137	310549
4.623		1862915	1533515
4.652		110339	68101
4.729		1814954	1757956
4.782		2412289	2017050
4.824		545412	481054
4.864		3542476	3629085
4.913		259858	175356
4.937		102614	71240
5.001		46454	48845
5.057		185353	177710
5.093		168120	121649
5.117		1072615	885519
5.168		141928	125111
5.204		110959	93049
5.236		74958	69528
5.265		556217	396541
5.286		335143	215896
5.304		56964	32290
5.328		9467	5065
5.362		85716	84095
5.482		1114	2076
5.501		18907	15350
5.543		450354	456612
5.641		2114	1740
5.701		89328	78066
5.745		20152	14026
5.769		99267	81439
5.818		48115	40951
5.887		1174	595
5.922		26261	23230
5.953		2559	2500
6.05		1170	370
6.061		1424	2054
6.122		67849	59935
6.151		1951	1203
6.179		1682	1035
6.243		1317	957
6.282	DCB	5442905	5085148
6.463		1634	860
6.693		1259	988
6.734		5672	6292
6.886		1242	1294
6.908		1547	763

AR5451724C AAAR545AA ICAL 184699999 10227 SW-846 8082

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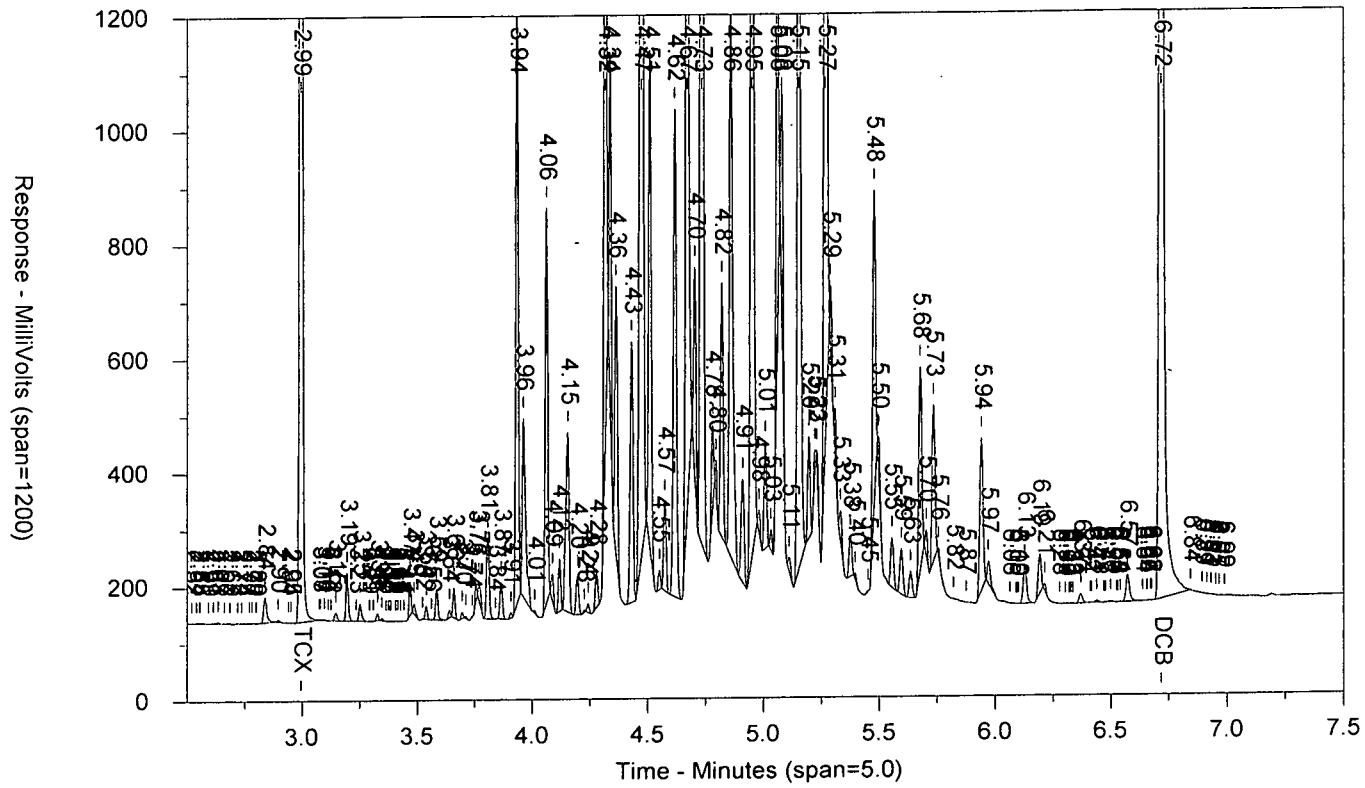

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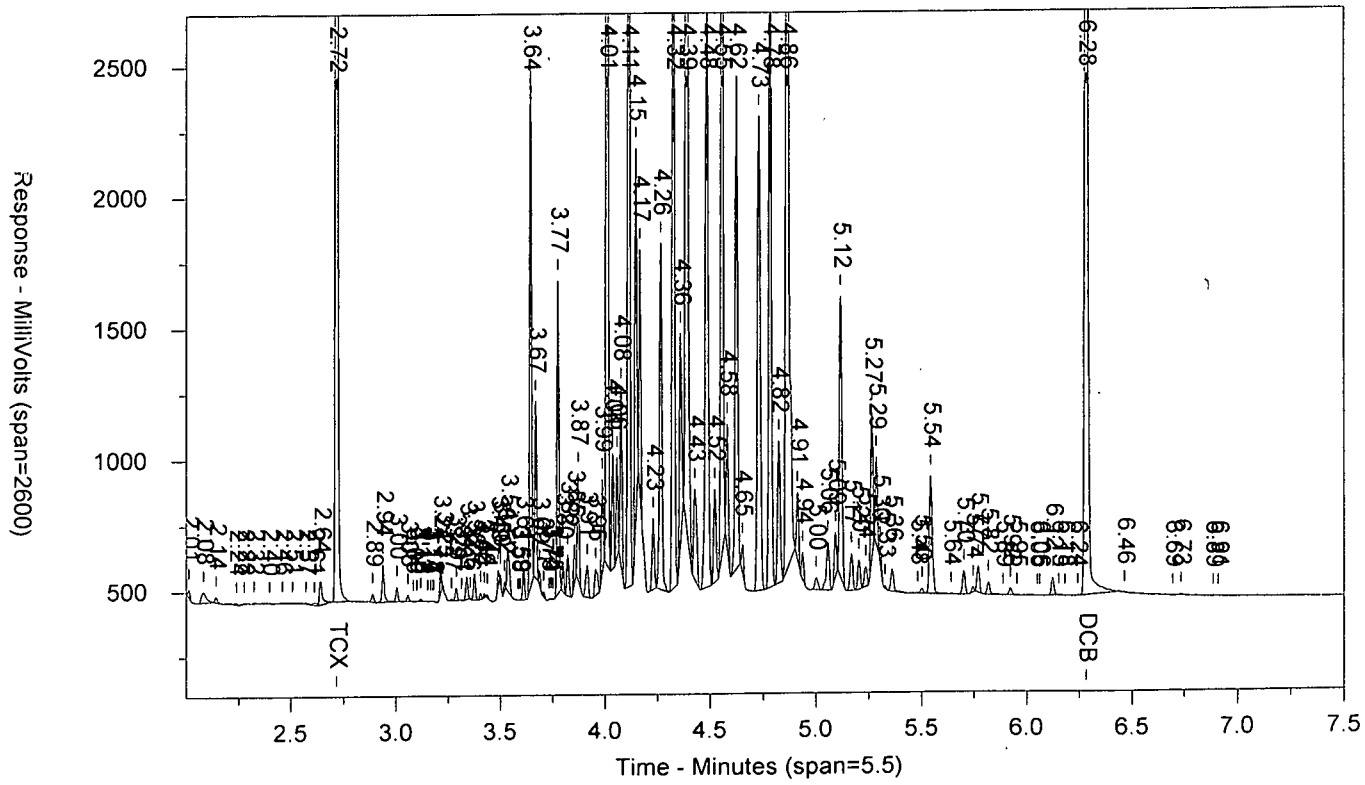

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:22:31 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.994	6410702	41.675	TCX	2.716	10961730	41.521	TCX
6.717	3696400	39.178	DCB	6.282	5442905	37.838	DCB

Files:
Area File: 25pcbs18047001.023.RAW
Area File: 25pcbs18047001B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 6:31:01 PM
File Reported On: 2/16/2018 at 6:31:12 PM

AR5451724C AAAR545AA ICAL 184699999 10227 SW-846 8082

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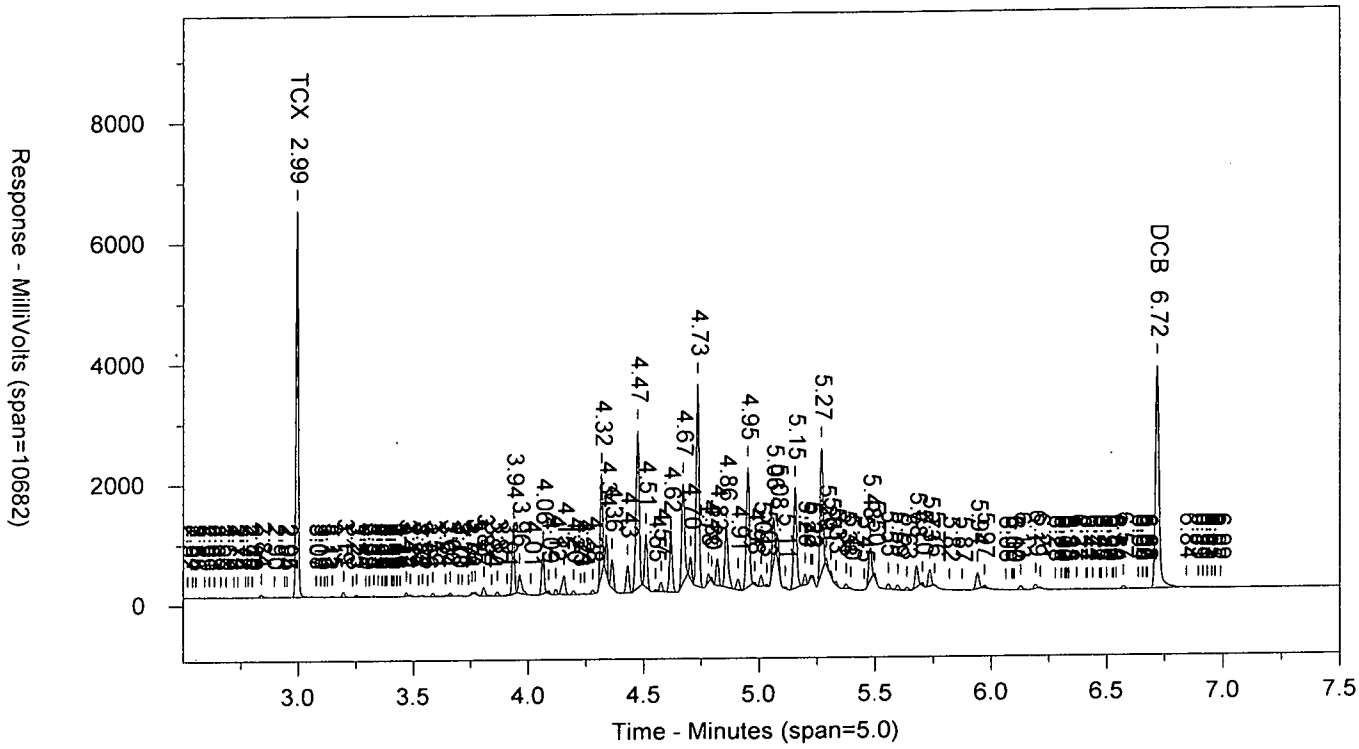

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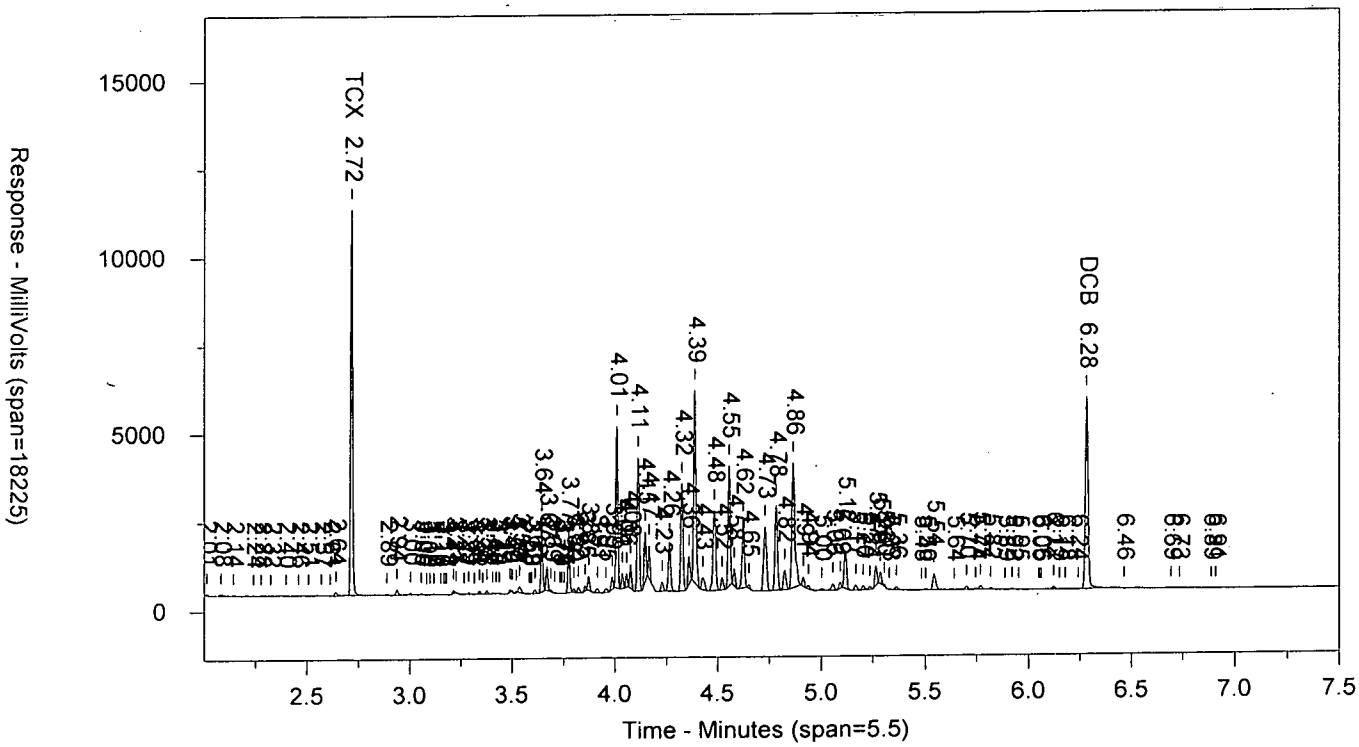

AR5451724C AAAR545AA ICAL 184699999 10227 SW-846 8082

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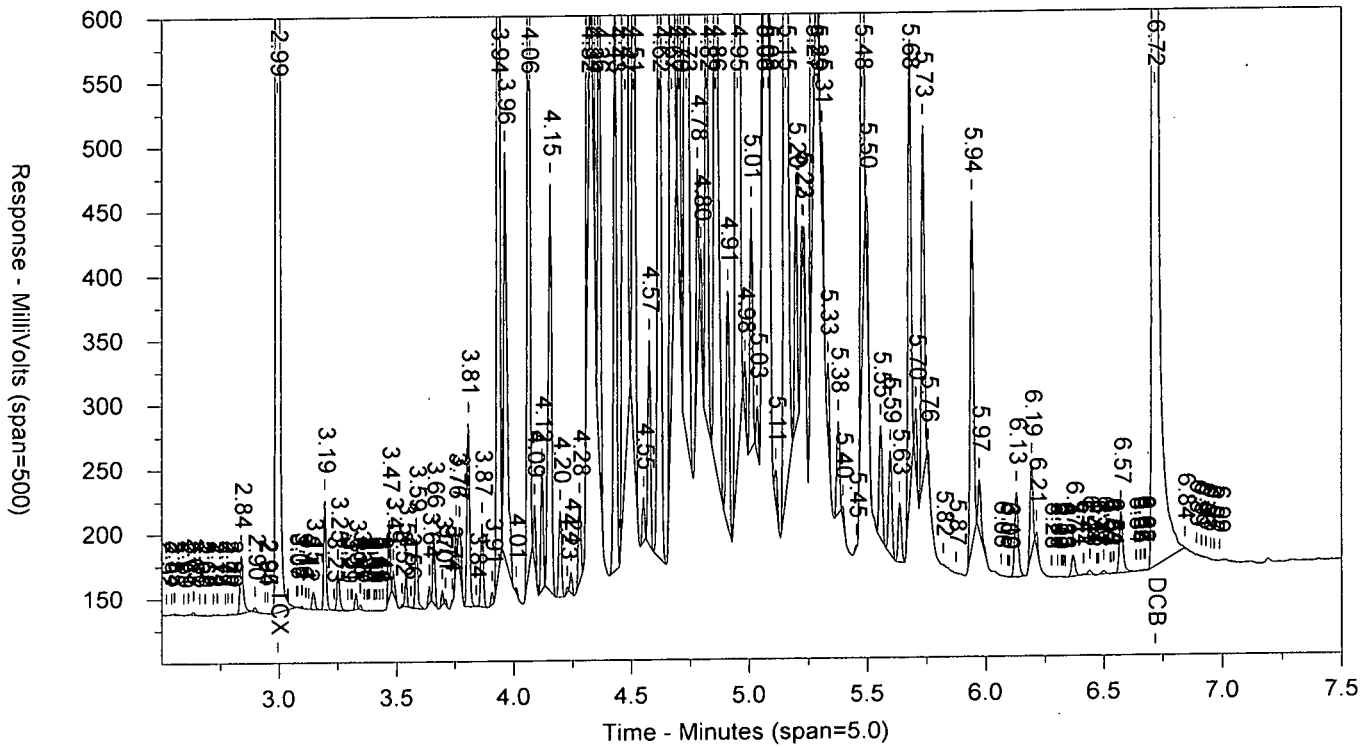

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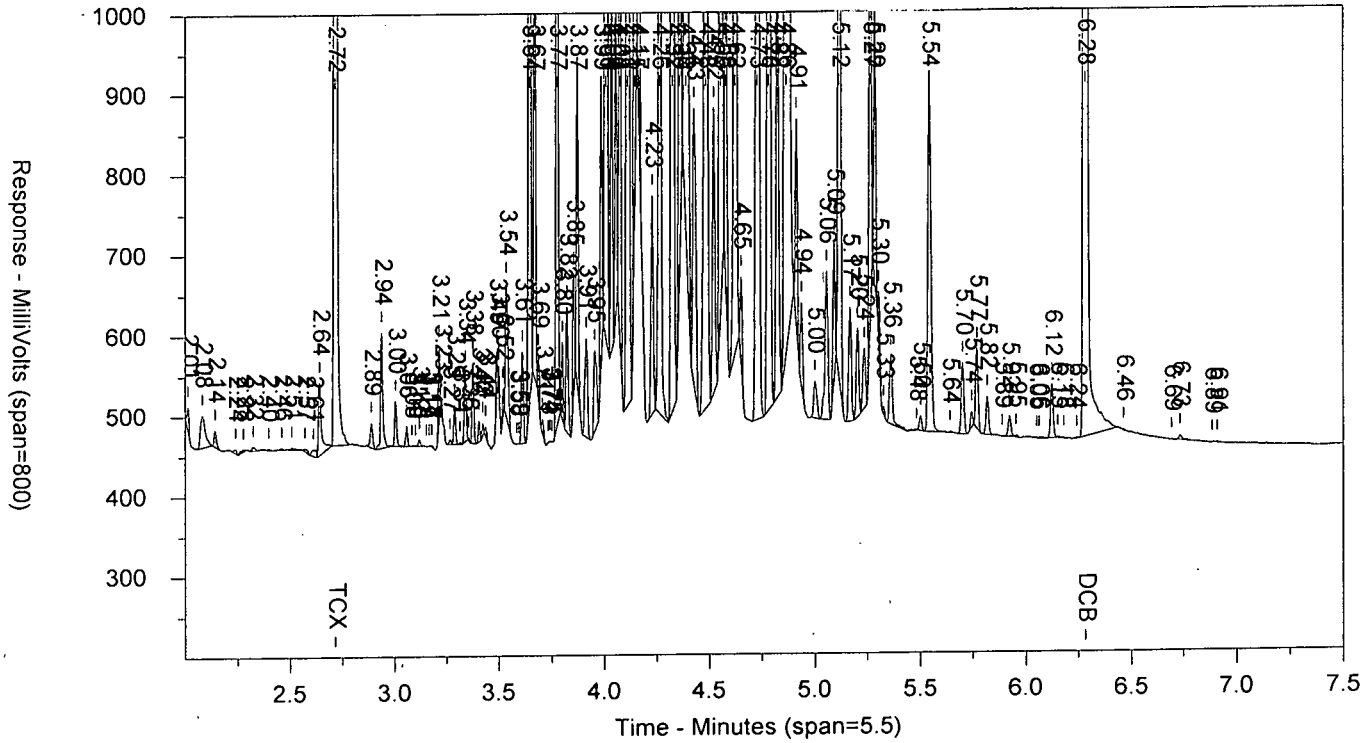

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:33:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.017		1207	552
2.038		11180	10137
2.081		383	376
2.103		808	864
2.152		13316	22743
2.201		885	449
2.226		428	179
2.245		370	79
2.262		602	337
2.284		53967	40315
2.325		156	81
2.346		236	63
2.358		148	34
2.376		22261	13377
2.395		19009	11616
2.437		2036	2121
2.463		308	67
2.473		106	15
2.491		8649	6640
2.507		261	69
2.52		284	125
2.537		473	159
2.555		376	139
2.582		246	35
2.59		278	124
2.612		1002	580
2.634		3167	2563
2.674		269	91
2.684		183	31
2.688		311	183
2.721		656	454
2.741		739	516
2.763		125	24
2.781		1056	655
2.796		192	32
2.811		191	67
2.838		32685	31399
2.897		5499	4768
2.949		354	91
2.959		207	26
2.994	TCX	12685790	8109364
3.094		2946	1718
3.115		842	341
3.145		25103	21951
3.194		152482	108709
3.251		57215	44528
3.293		385	73
3.308		318	73
3.327		24129	15126
3.346		6894	3857
3.376		241	73
3.382		570	426
3.407		178	45
3.414		405	82

RT A	Compound A	Height A	Area A
3.427		189	28
3.435		400	124
3.445		215	49
3.468		105974	65438
3.485		35625	22348
3.522		3394	1702
3.538		42451	28049
3.584		103786	76421
3.641		24822	15324
3.66		97731	63895
3.696		21144	12107
3.71		8304	3914
3.755		57266	31855
3.769		47376	43261
3.806		257572	213965
3.842		212	34
3.865		116018	93098
3.908		17387	10860
3.934		2052778	1465650
3.962		556520	559369
4.01		8216	4417
4.062		1282334	953317
4.087		79588	50509
4.118		160805	118175
4.154		560651	574880
4.195		124864	99336
4.226		7644	4102
4.242		32779	19916
4.279		105797	81915
4.318		3403553	2335668
4.337		1276252	757172
4.362		927442	690443
4.431		830716	709036
4.474		4983018	4731923
4.51		1621251	1273650
4.551		61132	41942
4.575		271754	215738
4.618		1572250	1395700
4.67		3337282	2808169
4.702		710660	474851
4.734		6513229	5509166
4.78		264701	186210
4.795		111229	53877
4.819		864628	686465
4.858		1844472	1823696
4.909		348712	306299
4.951		3951576	3579425
4.981		82430	47193
5.008		343741	272597
5.033		79124	43950
5.061		1430970	1059649
5.078		771400	505698
5.112		44104	32724
5.152		3216012	3051689
5.197		328157	246855
5.224		349656	467097
5.269		4265349	3675256
5.291		209954	96053
5.308		103700	61483
5.331		87008	59511
5.376		130098	107883
5.395		15175	8876
5.453		3330	3335
5.478		1319709	1763863
5.554		150272	135690
5.594		139113	131817

RT A	Compound A	Height A	Area A
5.635		86161	82174
5.677		706109	630492
5.702		76972	51629
5.735		508007	443000
5.756		28677	15901
5.865		995	414
5.914		174	31
5.941		482038	462812
5.972		61884	63558
6.034		1049	940
6.071		753	209
6.128		119703	124713
6.192		120344	111448
6.213		21434	13332
6.288		372	73
6.295		229	52
6.305		215	30
6.316		472	538
6.34		330	52
6.37		32786	32683
6.41		271	143
6.441		575	226
6.453		367	69
6.463		274	108
6.497		4666	5481
6.525		129	26
6.538		1296	857
6.57		83753	91354
6.611		376	74
6.624		359	126
6.648		264	60
6.655		223	58
6.668		1024	829
6.717	DCB	6959782	7617177
6.84		860	618
6.874		737	457
6.907		429	384
6.966		503	80
6.986		464	82
6.991		399	65

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:33:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		68209	46878
2.085		29339	47372
2.142		38050	28384
2.205		2007	1259
2.238		7283	6360
2.278		7053	14681
2.327		4423	4927
2.363		1838	2437
2.396		3334	2619
2.509		3201	3267
2.573		8320	11017
2.618		10686	17292
2.64		64084	54948
2.716	TCX	21403650	13066560
2.888		56682	43057
2.938		256837	185458
3.004		99748	66428
3.056		47647	28647
3.086		1075	247
3.117		16395	11712
3.145		763	408
3.175		5423	5460
3.213		153079	81620
3.225		17481	6059
3.266		12367	7163
3.288		86231	53610
3.314		5756	3010
3.339		151618	101383
3.355		5458	1705
3.375		183060	113967
3.404		50767	27018
3.422		36385	18202
3.437		17991	8809
3.489		110220	53068
3.499		60684	26365
3.519		60794	28258
3.534		306897	255412
3.587		1004	190
3.61		204353	137807
3.643		3603972	2250862
3.668		1231501	731362
3.686		103652	45364
3.705		36294	21203
3.74		2645	3816
3.746		830	380
3.774		2198884	1448959
3.799		173162	96354
3.821		278192	201888
3.853		268819	150094
3.871		702816	439986
3.914		222156	196626
3.954		176457	174737
3.985		629672	379469
4.008		8547079	5700337

RT B	Compound B	Height B	Area B
4.035		799811	481852
4.055		659511	373341
4.074		1229735	762323
4.111		7058464	5007408
4.145		2650485	1761538
4.165		1624334	926253
4.227		476388	362235
4.263		2419685	1872560
4.323		5735071	4292781
4.358		1485226	1084258
4.386		10013030	7721287
4.426		625815	635014
4.482		4338576	3885616
4.52		640746	513054
4.554		6494033	4694244
4.579		855946	560935
4.623		3617770	2831366
4.651		200730	127893
4.728		3336013	3267588
4.782		4861963	3847491
4.823		978197	862182
4.864		6914052	6813688
4.913		484450	317493
4.936		180499	126123
5		79086	89062
5.057		313991	310419
5.092		304643	219042
5.117		2023809	1637145
5.168		248992	220443
5.203		200804	163314
5.236		128399	119145
5.265		1006749	737338
5.286		596516	388627
5.305		103361	57350
5.327		15135	9197
5.361		152494	139250
5.451		1944	1723
5.479		2994	1334
5.502		34925	28260
5.543		820931	830191
5.643		3115	3685
5.702		152657	136287
5.744		36612	25340
5.769		175363	143544
5.819		84366	73292
5.922		48320	40676
5.953		3977	2714
5.996		2535	6285
6.075		3407	3017
6.122		116168	106526
6.155		2851	1987
6.176		2232	2457
6.243		1908	1612
6.282	DCB	10124990	9472845
6.436		4099	6517
6.687		823	855
6.734		10974	10676
6.765		1464	1029
6.881		1293	1300
6.905		1341	1514

AR5461724B AAAR546AA ICAL 184699999 10227 SW-846 8082

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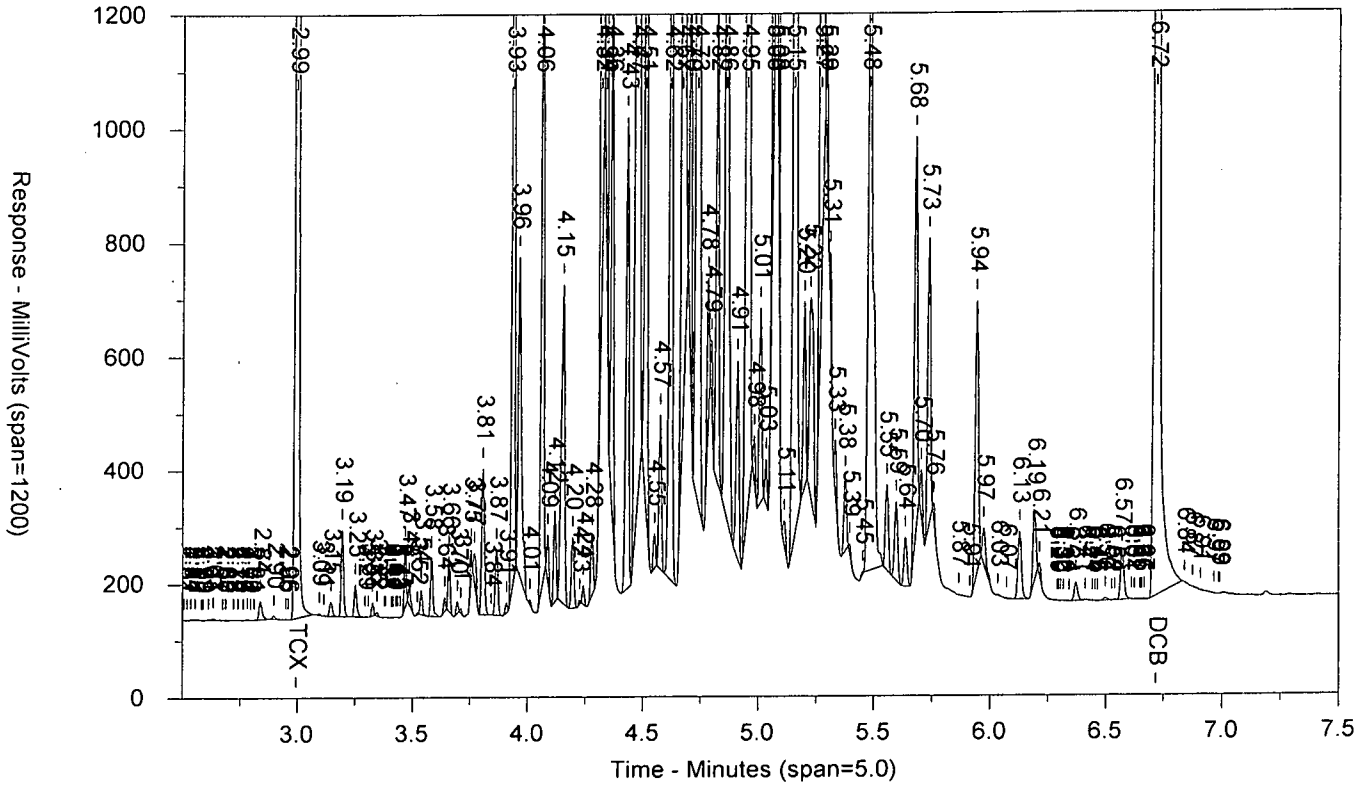

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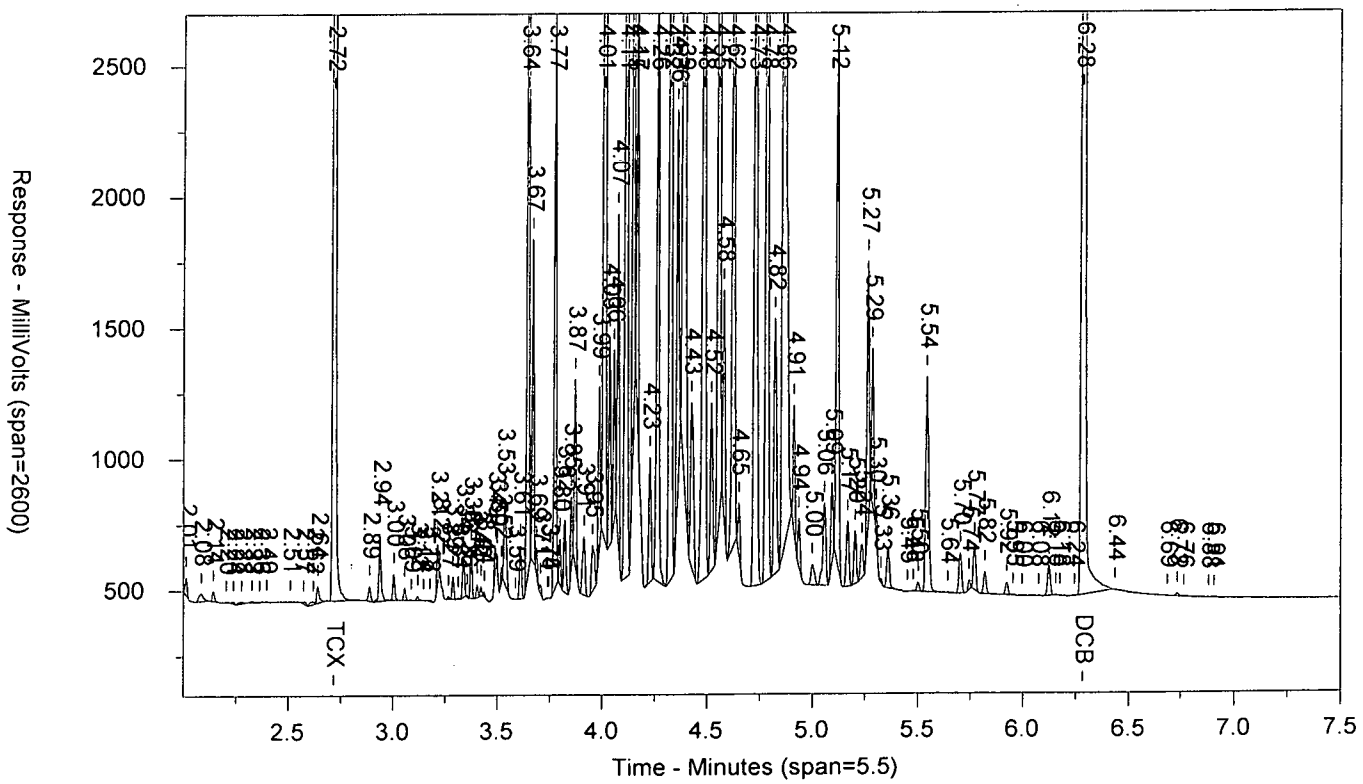

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:33:49 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.994	12685790	82.468	TCX	2.716	21403650	81.074	TCX
6.717	6959782	73.766	DCB	6.282	10124990	70.387	DCB

Files:
Area File: 25pcbs18047001.024.RAW
Area File: 25pcbs18047001B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 6:42:20 PM
File Reported On: 2/16/2018 at 6:42:28 PM

AR5461724B AAAR546AA ICAL 184699999 10227 SW-846 8082

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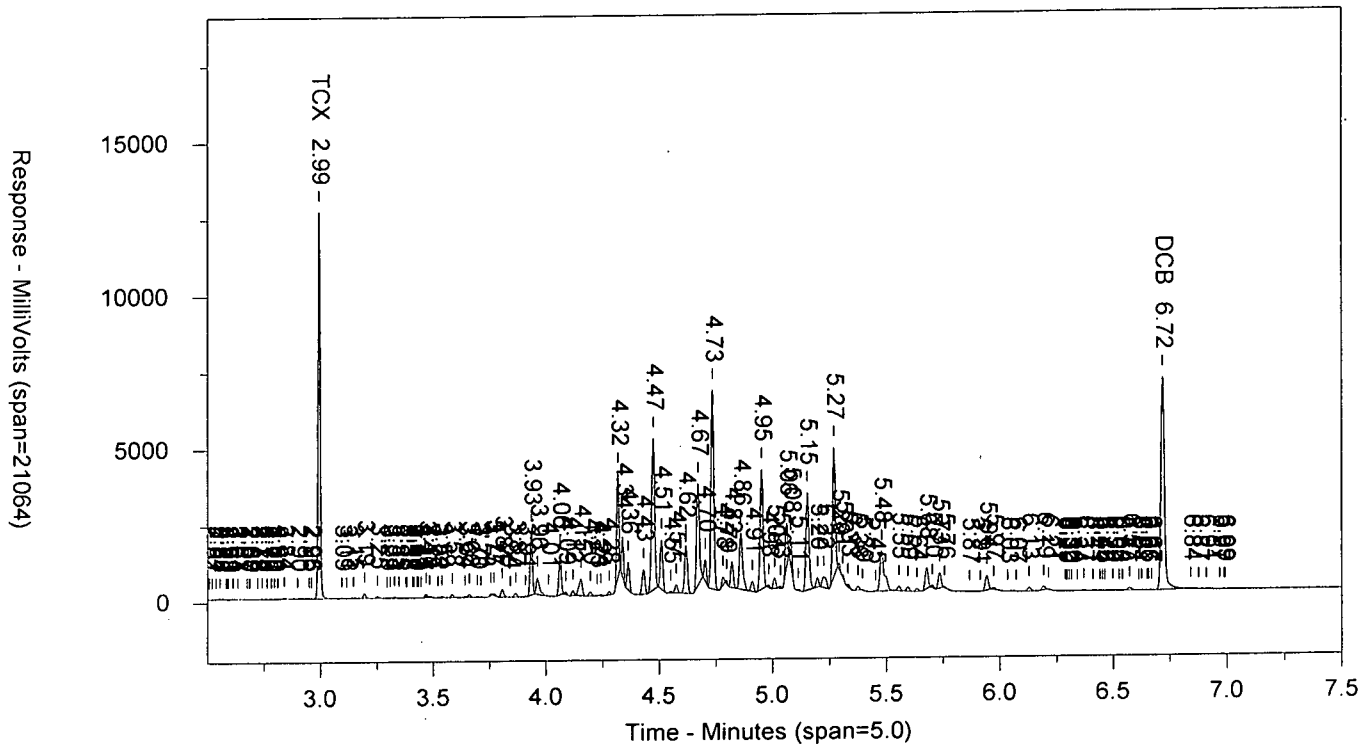

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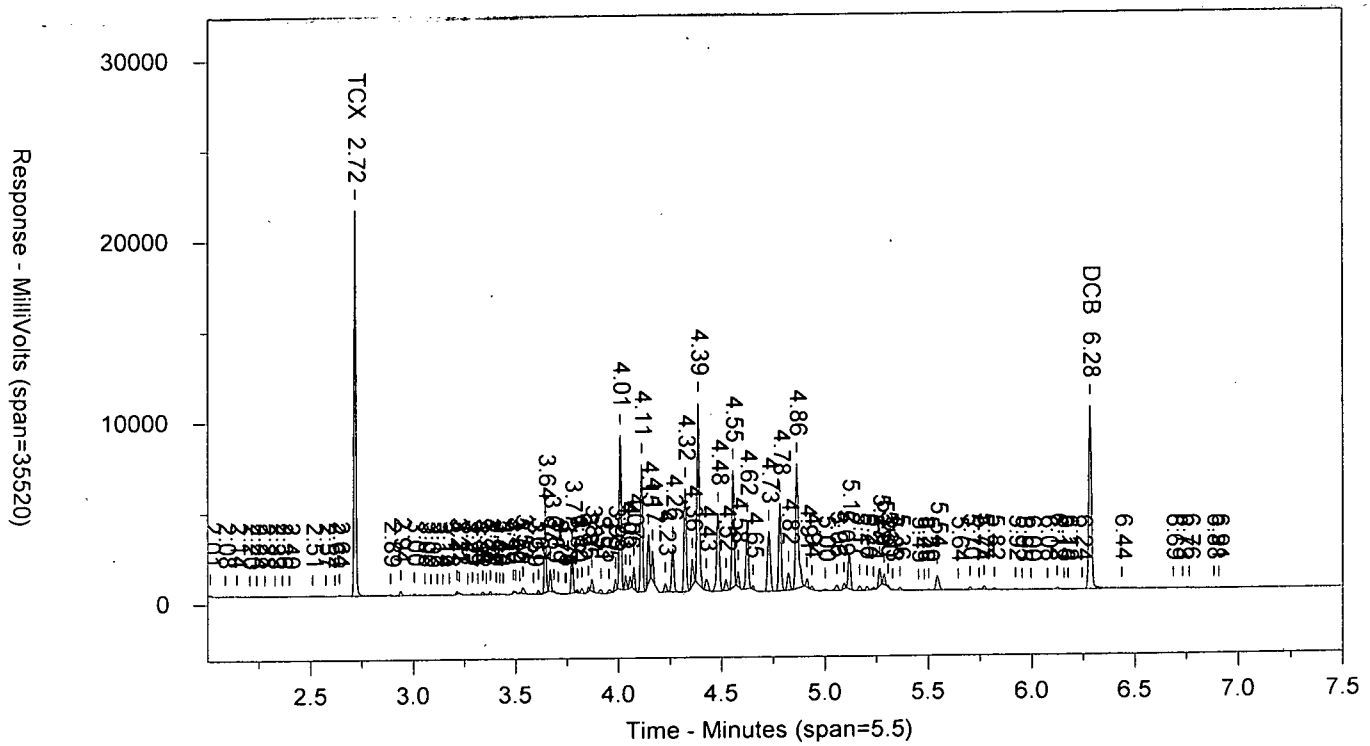

AR5461724B AAAR546AA ICAL 184699999 10227 SW-846 8082

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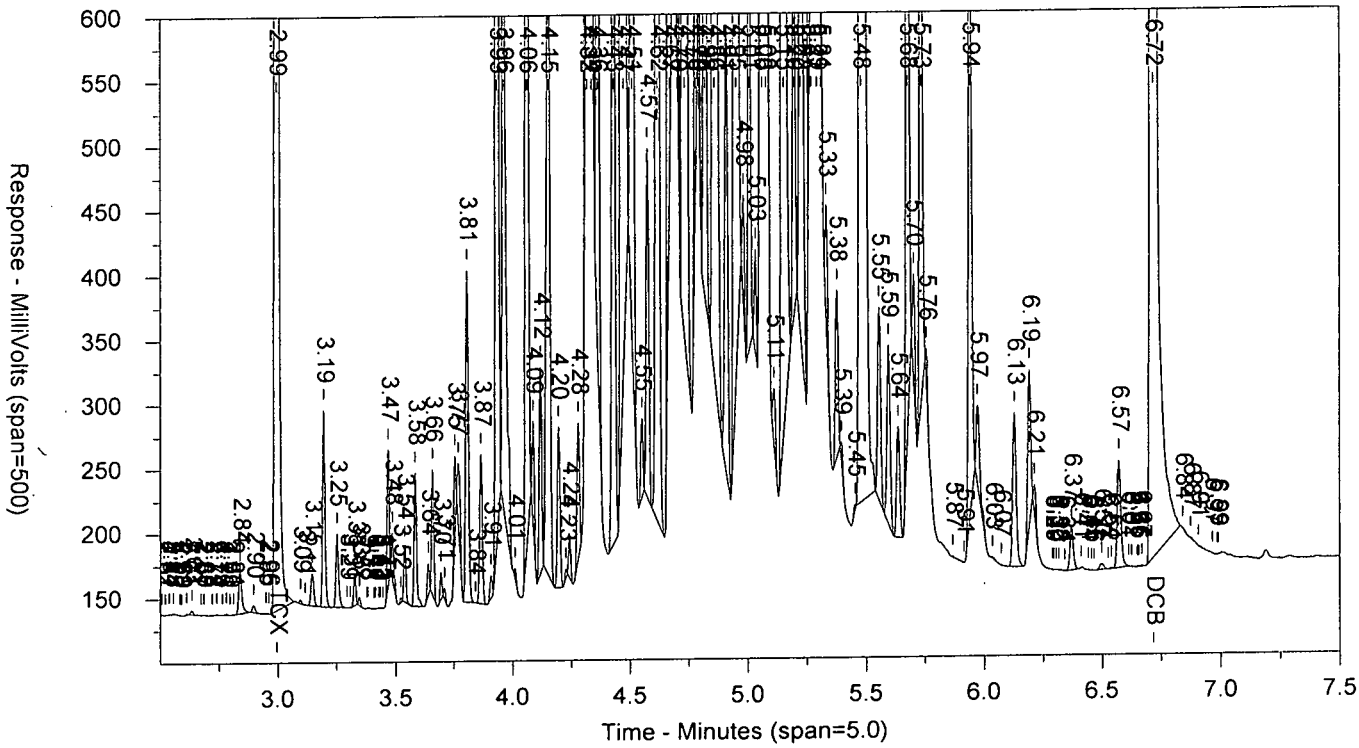

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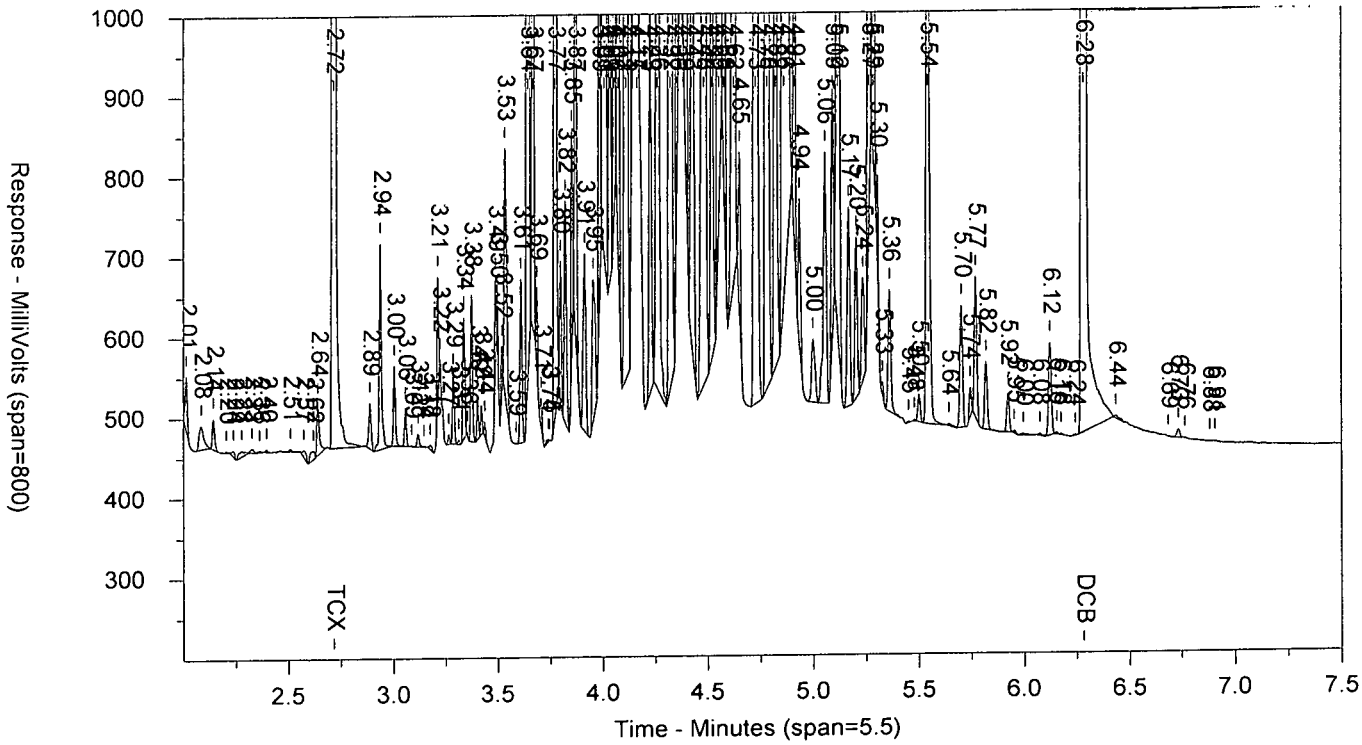

LANCASTER LABORATORIES

Sample Number: AR6241724A AAAR624AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:45:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.008		142	24
2.019		141	29
2.039		15906	14376
2.071		375	97
2.079		545	223
2.104		7836	5972
2.127		248	90
2.156		11080	18225
2.204		779	437
2.224		535	458
2.263		1605	1071
2.29		139	120
2.301		719	564
2.323		213	93
2.345		427	78
2.351		205	43
2.377		17607	11590
2.411		199	39
2.418		151	28
2.44		1940	1793
2.458		249	122
2.493		10855	9201
2.523		285	36
2.528		318	127
2.544		241	52
2.559		1031	966
2.598		391	121
2.613		1261	900
2.636		1128	898
2.658		309	62
2.664		261	53
2.685		377	259
2.717		2686	1793
2.734		141	20
2.741		656	383
2.767		317	124
2.782		598	392
2.798		173	27
2.804		101	21
2.811		273	79
2.839		19430	17430
2.897		8159	7348
2.935		307	90
2.947		286	131
2.96		229	35
2.978		159	36
2.995	TCX	2569	1933
3.018		1067	888
3.046		2453	1550
3.083		930	759
3.108		211	29
3.119		250	52
3.126		148	28
3.147		3084	2832

RT A	Compound A	Height A	Area A
3.168		219	33
3.173		292	49
3.183		191	34
3.19		174	39
3.205		2986	1862
3.224		148	27
3.232		193	61
3.254		17478	18246
3.299		106	20
3.311		363	85
3.326		731	385
3.349		2139	1356
3.37		178	20
3.38		368	152
3.388		168	38
3.4		206	61
3.423		138	22
3.435		188	90
3.452		304	187
3.471		19998	11862
3.489		7950	4434
3.526		1825	924
3.542		2199	1078
3.561		108	59
3.565		346	149
3.589		20926	13292
3.607		3051	1699
3.635		606	449
3.665		7114	5006
3.7		4509	2391
3.717		2358	1227
3.744		8958	5068
3.76		8246	3653
3.772		15148	8042
3.811		27246	22101
3.849		320	119
3.871		22321	18349
3.913		1095	709
3.939		31152	25241
3.976		31870	31584
4.007		2947	2821
4.047		114	60
4.067		20923	15290
4.093		4858	3177
4.124		6095	4192
4.152		19071	25393
4.2		5875	4619
4.232		731	374
4.283		12318	12087
4.323		134343	110926
4.343		12700	6712
4.368		16028	11933
4.39		559	269
4.435		15422	13343
4.48		167049	157754
4.515		14425	10520
4.553		749	440
4.577		7737	6570
4.619		89881	97542
4.692		139944	167163
4.739		77077	67454
4.786		456131	482047
4.824		82319	60660
4.864		742613	698957
4.907		20045	16893
4.953		50153	58886

RT A	Compound A	Height A	Area A
4.989		10294	7071
5.014		88574	80695
5.066		812589	913706
5.117		382780	368054
5.16		370599	460432
5.201		5964	3612
5.239		41890	38110
5.273		680332	717140
5.315		12073	6043
5.338		1090601	1017895
5.381		478770	474346
5.475		170401	137323
5.501		967296	974299
5.559		377365	325785
5.582		19183	8578
5.598		101341	76340
5.641		59923	58615
5.684		174367	171836
5.739		2101494	2591272
5.866		469	376
5.943		1280830	1372307
5.998		654283	1046424
6.132		77439	78187
6.167		305	47
6.196		17562	12085
6.217		308385	301103
6.29		1068	2529
6.3		264	149
6.315		574	1205
6.374		789302	843270
6.419		39746	35647
6.468		1099	893
6.501		2793	2566
6.576		339091	375615
6.64		306	109
6.655		536	180
6.662		212	35
6.668		370	66
6.68		175	36
6.685		448	76
6.693		295	64
6.723	DCB	10799	10318
6.755		359	227
6.76		149	28
6.764		362	101
6.791		2307	2900
6.833		162	33
6.839		341	67
6.849		236	91
6.855		230	63
6.871		396	95
6.882		151	43
6.911		483	149
6.918		354	92
6.923		290	93
6.948		212	92
6.953		404	57
6.958		461	96
6.974		322	43
6.985		302	63
6.993		216	60

LANCASTER LABORATORIES

Sample Number: AR6241724A AAAR624AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:45:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.003		9997	3296
2.034		3216	3496
2.084		28483	61819
2.204		1695	1162
2.276		4677	9384
2.329		4513	4801
2.429		1135	645
2.461		7050	6287
2.507		2508	1743
2.571		26565	48417
2.623		18398	46018
2.641		34073	22930
2.663		4040	2114
2.689	TCX	2328	2307
2.761		3746	4489
2.802		2790	5634
2.872		1732	1225
2.89		9206	8443
2.932		3253	7510
2.951		5640	3708
3.005		29640	21838
3.078		1058	165
3.084		575	141
3.09		761	112
3.118		4991	3401
3.141		2263	1416
3.165		1040	869
3.171		987	150
3.178		2706	3353
3.215		29217	15838
3.227		7823	2987
3.268		4435	2739
3.289		8468	5415
3.316		3559	2406
3.341		38374	26561
3.378		12956	7081
3.403		636	202
3.437		39564	42581
3.478		1734	2094
3.492		20142	8934
3.502		32325	14753
3.521		2926	1136
3.537		37822	30026
3.581		509	85
3.614		44498	29307
3.648		44603	26793
3.673		70163	43606
3.69		3449	1163
3.709		13522	10520
3.74		2609	2774
3.756		3320	2184
3.779		40994	27457
3.802		12342	6239
3.826		15737	12530

RT B	Compound B	Height B	Area B
3.857		25094	14135
3.875		21159	13714
3.917		12043	12108
3.967		30264	30868
4.013		260200	206961
4.039		23660	14578
4.06		6019	2898
4.08		38332	27994
4.116		267303	197296
4.152		36320	25457
4.169		19708	12323
4.237		5541	7686
4.258		104037	98624
4.304		7030	3787
4.329		55150	40993
4.373		165687	114896
4.404		681924	553784
4.432		190183	200553
4.486		1207253	994158
4.529		46522	39132
4.559		45589	30768
4.583		181054	135269
4.604		5821	2035
4.627		1320001	1088960
4.736		1297960	1163012
4.792		230344	202327
4.831		360744	310566
4.867		813292	710476
4.901		1674004	1389304
4.941		737633	611972
5.01		11469	10136
5.045		359494	323323
5.096		1670467	1424374
5.121		20779	11940
5.171		692540	710942
5.207		216104	169650
5.235		188854	163329
5.291		3410280	2959807
5.331		42530	32574
5.365		225688	197293
5.448		2242	1541
5.482		53529	34403
5.505		1287203	1096759
5.552		2237565	2158065
5.67		1202	429
5.706		105461	92512
5.748		19152	13614
5.772		69906	55084
5.822		507062	475711
5.926		1211440	1071273
5.958		70694	52471
6.04		1270	2519
6.125		485980	433411
6.239		4066	5758
6.286	DCB	16433	13616
6.389		2568	1379
6.414		4077	7913
6.467		2523	1751
6.541		778	270
6.658		2963	6425
6.702		848	315
6.724		3104	3929
6.773		2991	5556
6.882		7763	24564
6.955		1020	520

AR6241724A AAAR624AA ICAL 184699999 10227 SW-846 8082

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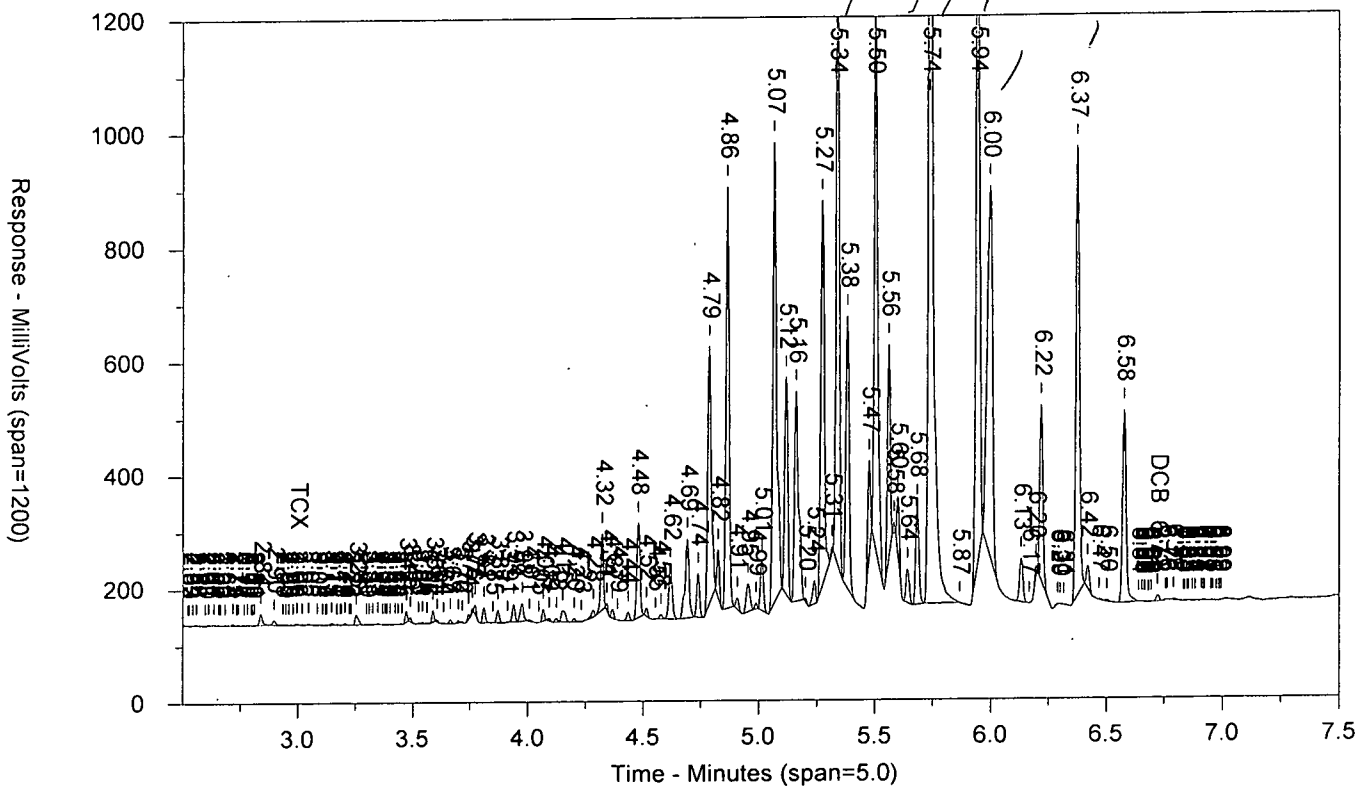

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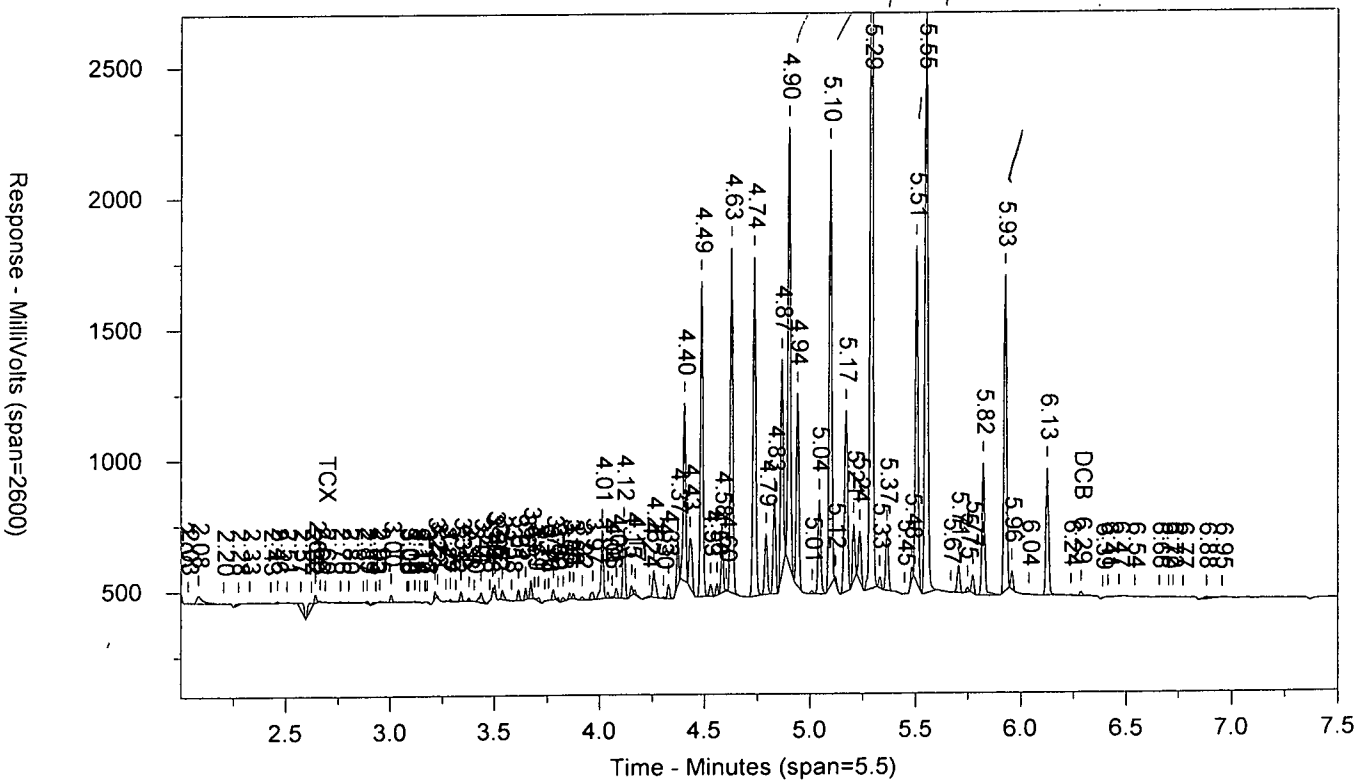

LANCASTER LABORATORIES

Sample Number: AR6241724A AAAR624AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:45:33 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.995	2569	.017	TCX	2.689	2328	.009	TCX
6.723	10799	.114	DCB	6.286	16433	.114	DCB

Files:
Area File: 25pcbs18047001.025.RAW
Area File: 25pcbs18047001B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 6:54:04 PM
File Reported On: 2/16/2018 at 6:54:15 PM

AR6241724A AAAR624AA ICAL 184699999 10227 SW-846 8082

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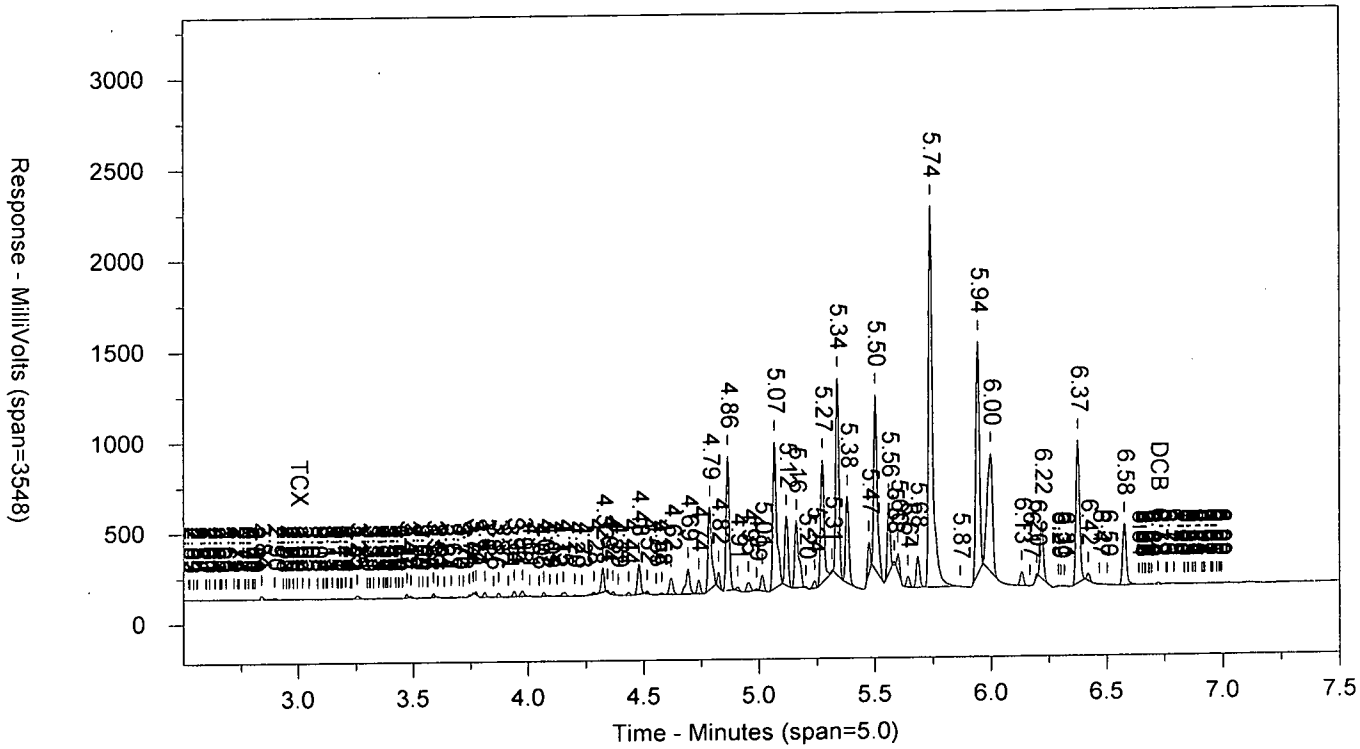

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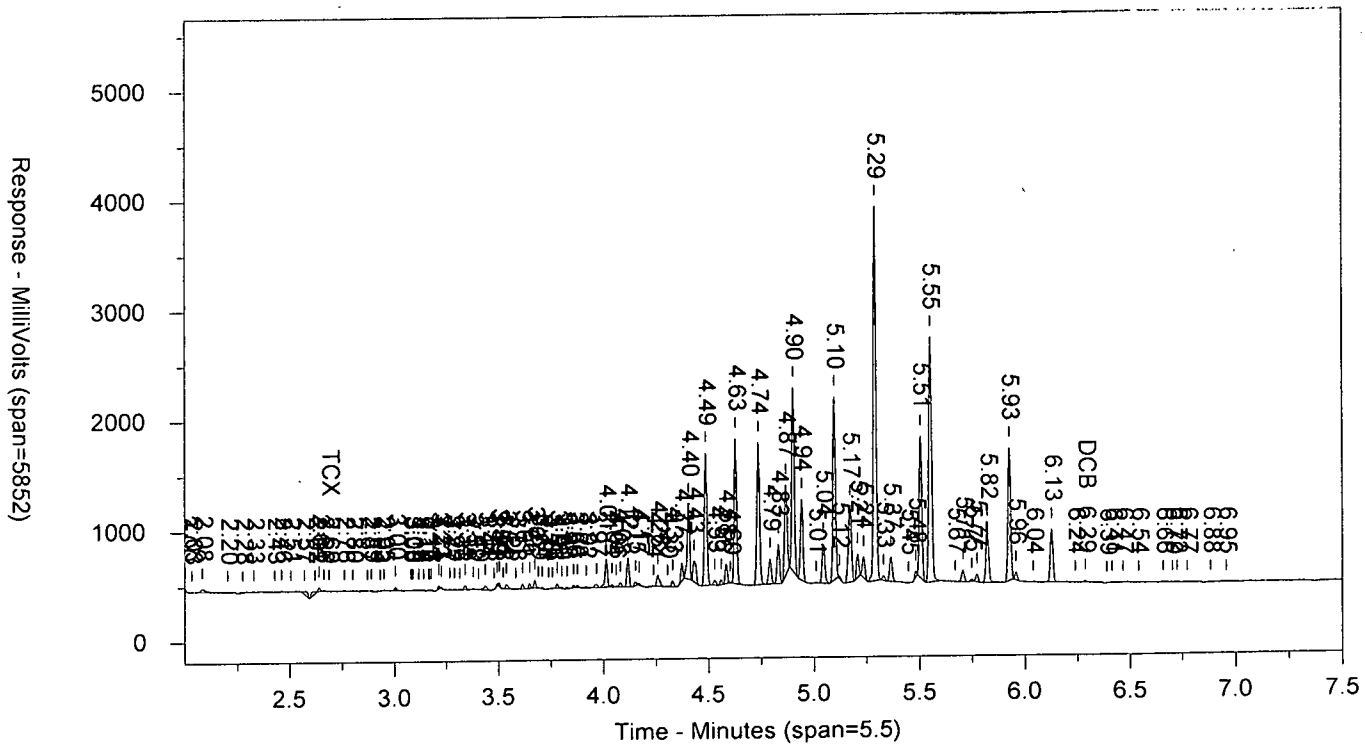

AR6241724A AAAR624AA ICAL 184699999 10227 SW-846 8082

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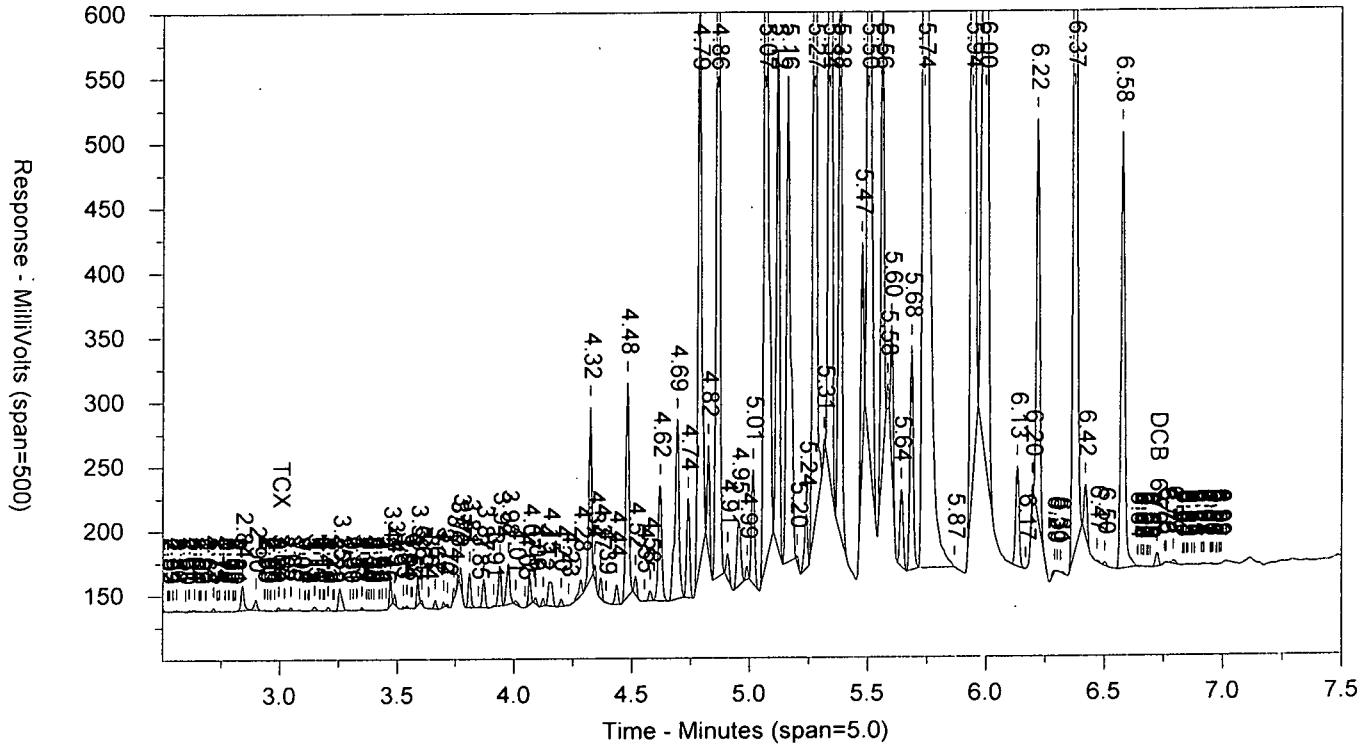

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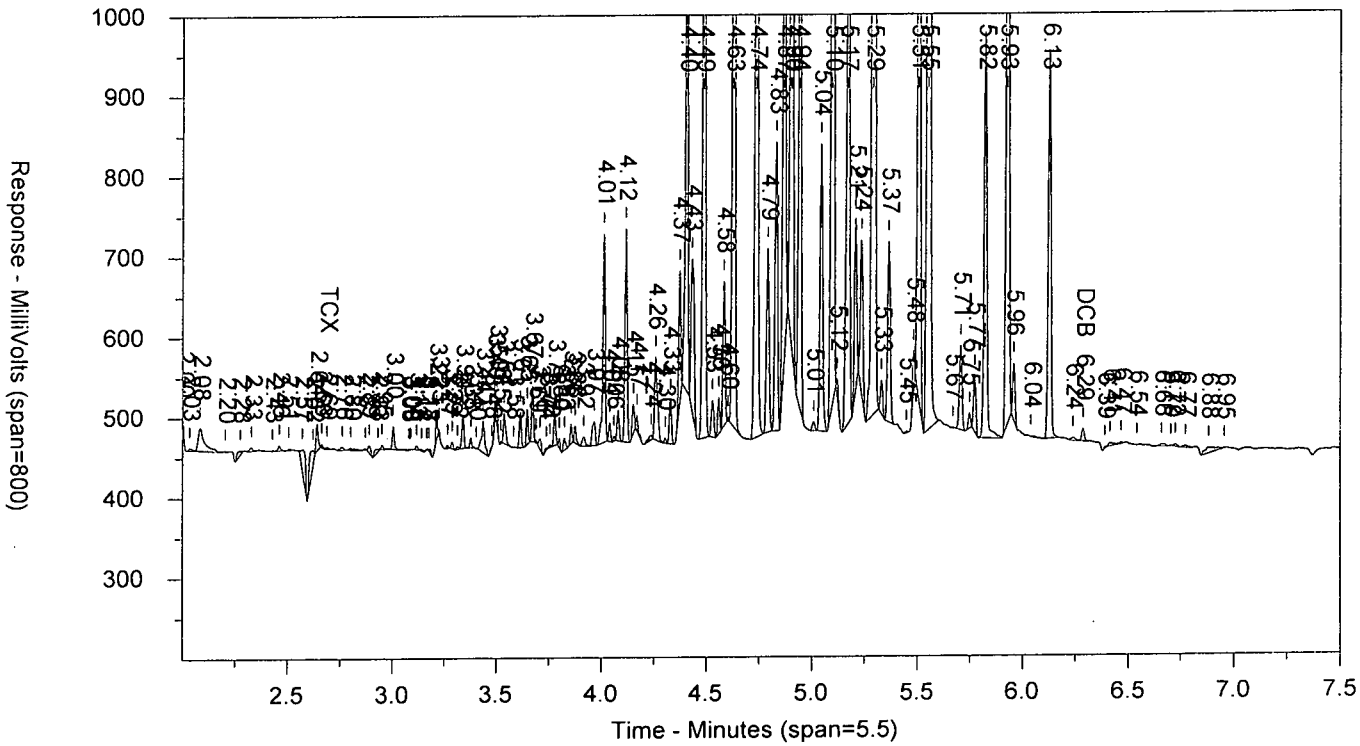

LANCASTER LABORATORIES

Sample Number: AR6841724A AAAR684AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:56:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.001		98	6
2.009		165	41
2.022		218	47
2.039		3070	2498
2.074		856	405
2.082		533	187
2.09		323	115
2.102		206	90
2.114		140	17
2.127		168	31
2.153		14206	22283
2.201		205	29
2.227		691	272
2.262		404	237
2.295		321	149
2.303		682	462
2.335		245	60
2.342		191	36
2.351		141	66
2.376		28751	19230
2.402		318	68
2.408		217	41
2.415		166	47
2.438		1630	1641
2.454		239	38
2.462		284	56
2.49		2065	1610
2.516		175	26
2.522		203	36
2.54		222	53
2.555		746	653
2.58		2298	1506
2.616		742	512
2.621		184	48
2.635		1173	809
2.654		276	127
2.679		135	53
2.687		455	303
2.704		311	92
2.712		302	50
2.719		469	229
2.736		395	73
2.744		214	29
2.769		1158	850
2.781		428	113
2.796		96	27
2.81		1267	786
2.839		41384	40174
2.895		5106	3389
2.908		293	70
2.917		289	44
2.923		350	144
2.935		261	325
2.96		366	65

RT A	Compound A	Height A	Area A
2.971		157	22
2.98		411	115
2.988		231	70
2.993	TCX	260	73
3.021		644	534
3.058		23798	15884
3.081		503	143
3.104		218	73
3.117		212	56
3.145		1013	874
3.168		192	35
3.183		271	91
3.2		264	39
3.206		546	163
3.224		200	36
3.239		159	85
3.252		3967	3787
3.283		209	50
3.294		341	102
3.311		1014	812
3.334		228	87
3.347		940	450
3.378		294	122
3.403		237	62
3.428		261	73
3.449		218	156
3.469		5020	2896
3.486		1440	742
3.513		196	55
3.523		485	118
3.541		1127	596
3.57		2058	1093
3.585		7192	4289
3.603		452	525
3.629		135	31
3.634		444	141
3.661		2761	2192
3.683		249	41
3.696		1047	585
3.713		991	553
3.74		2859	1553
3.756		2874	1426
3.768		4384	2284
3.807		11367	8754
3.835		3103	2012
3.867		7463	6306
3.884		189	53
3.897		174	31
3.91		1531	970
3.935		8708	6645
3.97		8569	9854
4.001		3504	3768
4.036		329	99
4.063		9400	6583
4.088		3238	2397
4.119		3431	2593
4.154		10385	13187
4.197		6373	5170
4.222		363	151
4.239		271	62
4.279		7732	5645
4.302		4362	3056
4.312		6708	4558
4.338		13863	9107
4.362		11002	7780
4.386		904	575

RT A	Compound A	Height A	Area A
4.422		1168	917
4.448		77	17
4.471		16995	14881
4.493		3380	1822
4.51		902	432
4.537		272	44
4.543		196	53
4.57		9491	8973
4.614		64425	64173
4.673		19438	18919
4.703		827	270
4.734		6908	6042
4.754		245	33
4.781		9158	8548
4.821		11296	9982
4.86		23037	20319
4.902		43459	39575
4.946		21924	22251
4.985		79948	75363
5.021		427	515
5.062		5379	4149
5.08		4848	3135
5.113		67349	62035
5.155		9090	6568
5.172		5975	3641
5.198		1432	784
5.227		29742	28672
5.267		25671	24934
5.312		24204	17463
5.333		413151	380589
5.376		45568	38653
5.471		43252	35070
5.513		598246	722544
5.555		7724	4448
5.577		186914	172137
5.635		77545	76581
5.68		9699	8668
5.735		175718	144201
5.757		164125	129845
5.819		288	38
5.831		930	1055
5.874		150	19
5.88		191	40
5.892		347	230
5.937		2746002	2694600
5.996		2328582	2647707
6.128		2293330	2323980
6.192		589599	728540
6.281		634	155
6.318		635	440
6.369		957354	1036277
6.436		611	166
6.443		1356	1299
6.496		639	275
6.507		694	526
6.572		7744086	8169575
6.718	DCB	1535793	1643279
6.788		418	77
6.794		1539	1006
6.861		316	58
6.866		583	489
6.93		377	670
6.957		462	63
6.969		443	118
6.992		354	100

LANCASTER LABORATORIES

Sample Number: AR6841724A AAAR684AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:56:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.002		14020	3507
2.032		2921	3055
2.082		35017	77125
2.291		2195	4678
2.326		4159	4279
2.366		5349	4810
2.452		3433	3861
2.482		3199	2195
2.512		2553	2771
2.617		27816	45505
2.64		82472	84249
2.715	TCX	50897	31301
2.89		2426	2061
2.95		3920	8964
3.005		7748	5434
3.083		797	193
3.091		754	256
3.102		981	229
3.116		1817	969
3.136		810	136
3.149		749	133
3.158		928	487
3.178		538	135
3.188		6713	3355
3.201		694	148
3.214		5728	2649
3.225		3042	1504
3.257		376	121
3.269		1334	483
3.278		293	57
3.288		4062	2457
3.316		1003	433
3.339		11688	7838
3.356		1281	405
3.375		4986	2626
3.391		1287	328
3.428		3858	2330
3.435		2897	1193
3.473		818	373
3.49		6657	2895
3.5		9236	3716
3.52		935	457
3.535		13253	12213
3.559		1306	335
3.58		1596	834
3.594		580	105
3.611		15196	10361
3.645		13810	7975
3.67		20978	12688
3.686		1438	399
3.704		10074	8300
3.735		1694	1083
3.749		1621	855
3.776		17684	12869

RT B	Compound B	Height B	Area B
3.799		6859	3660
3.821		7369	6059
3.854		9990	6097
3.872		12268	8128
3.916		11608	9582
3.964		38154	30407
3.993		18710	12967
4.01		25784	16695
4.036		20793	13121
4.077		17161	15303
4.113		5366	3678
4.151		16667	10545
4.165		4204	1850
4.181		7730	3535
4.235		5279	5215
4.254		84497	73248
4.301		27650	19140
4.324		6685	4575
4.368		4082	4266
4.387		5513	2656
4.402		10178	5974
4.432		4329	4226
4.483		54685	51210
4.525		68837	52435
4.555		8048	5345
4.579		21734	12903
4.6		103904	77134
4.623		6445	3267
4.691		1140	845
4.733		118681	107075
4.786		32049	31041
4.834		48044	52318
4.865		24572	18585
4.898		712048	696521
4.937		65179	46306
5.009		2388	2533
5.041		87527	75457
5.092		1067513	934252
5.12		16335	9773
5.16		285087	281010
5.205		5664	3494
5.22		3394	1489
5.24		85569	70165
5.287		422504	370188
5.362		338057	311680
5.446		2469	1718
5.479		32323	19488
5.502		4015295	3383980
5.55		4151165	3580847
5.702		3327710	2899143
5.77		848983	756567
5.819		171884	148755
5.923		1418450	1251475
5.954		6944	4160
6.049		7085	8719
6.123		11939520	9917275
6.244		2069	1290
6.283	DCB	2126826	2072650
6.462		7464	5948
6.569		888	520
6.623		6856	6606
6.703		1071	401
6.754		896	340
6.787		1175	1163
6.878		1980	5132
6.955		878	850

AR6841724A AAAR684AA ICAL 184699999 10227 SW-846 8082

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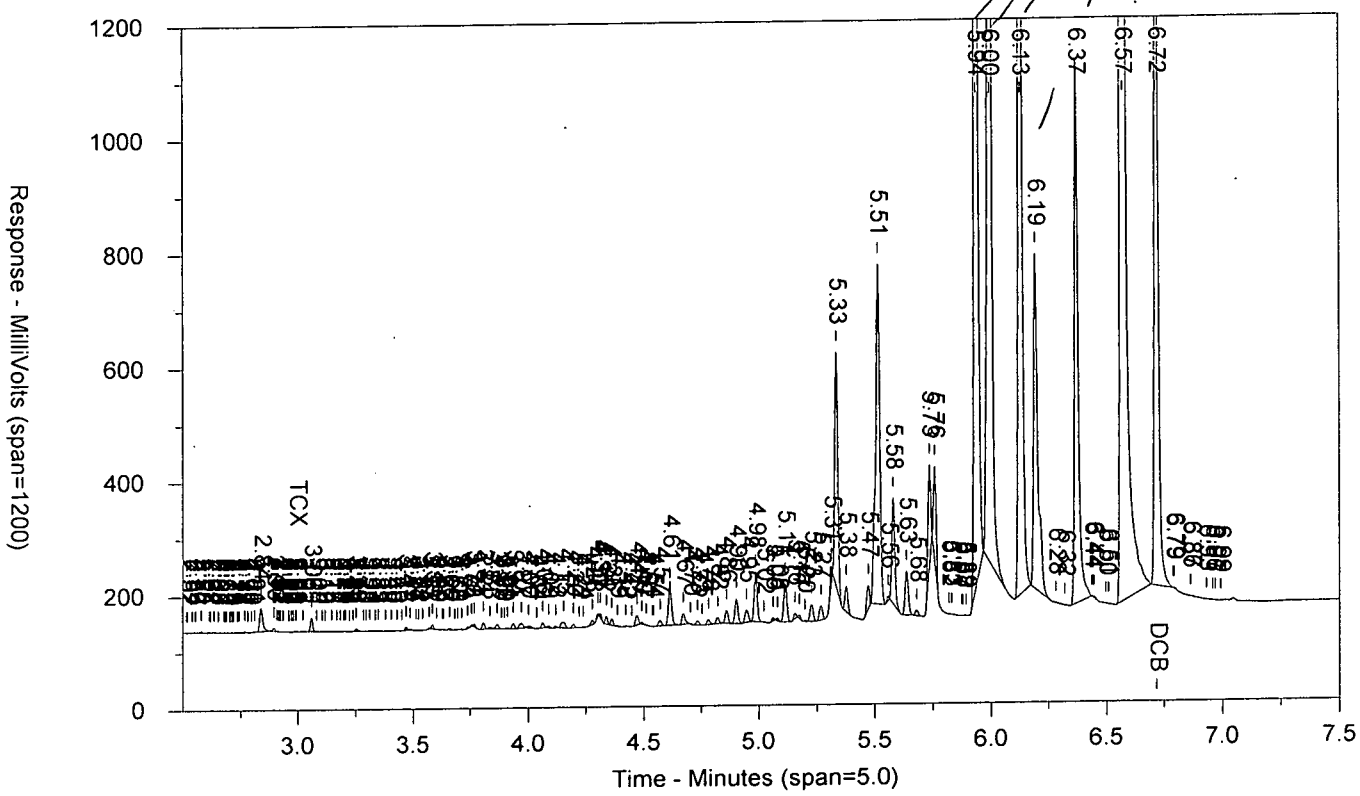

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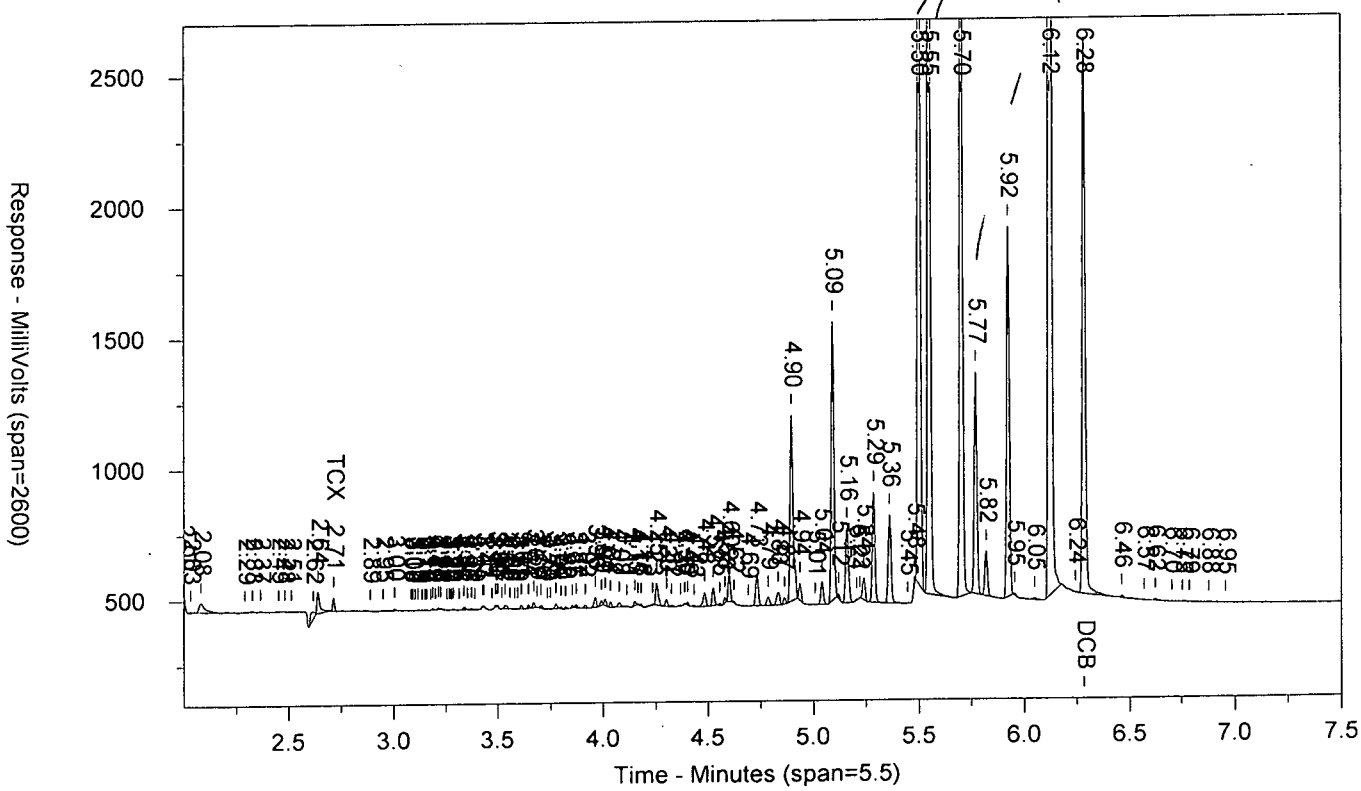

LANCASTER LABORATORIES

Sample Number: AR6841724A AAAR684AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 6:56:53 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	260	.002	TCX	2.715	50897	.193	TCX
6.718	1535793	16.278	DCB	6.283	2126826	14.785	DCB

Files:
Area File: 25pcbs18047001.026.RAW
Area File: 25pcbs18047001B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 7:05:24 PM
File Reported On: 2/16/2018 at 7:05:35 PM

AR6841724A AAAR684AA ICAL 184699999 10227 SW-846 8082

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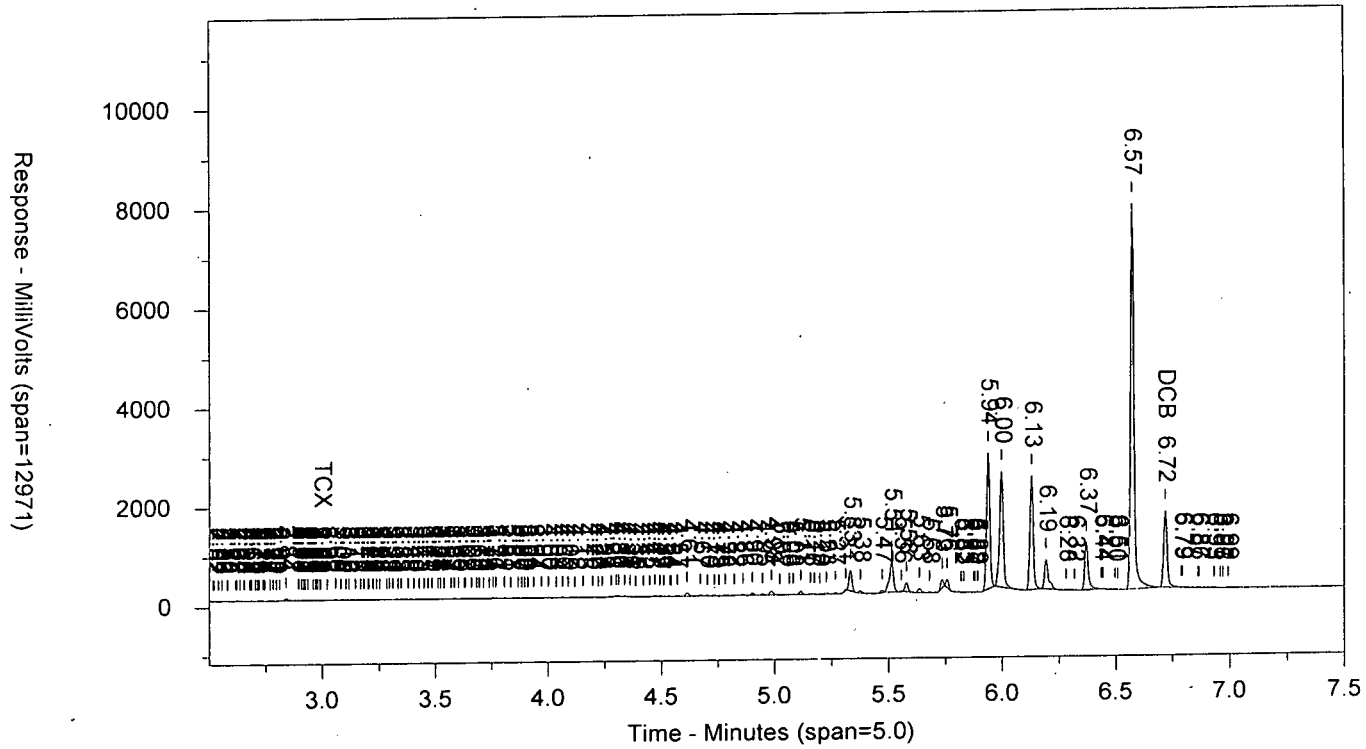

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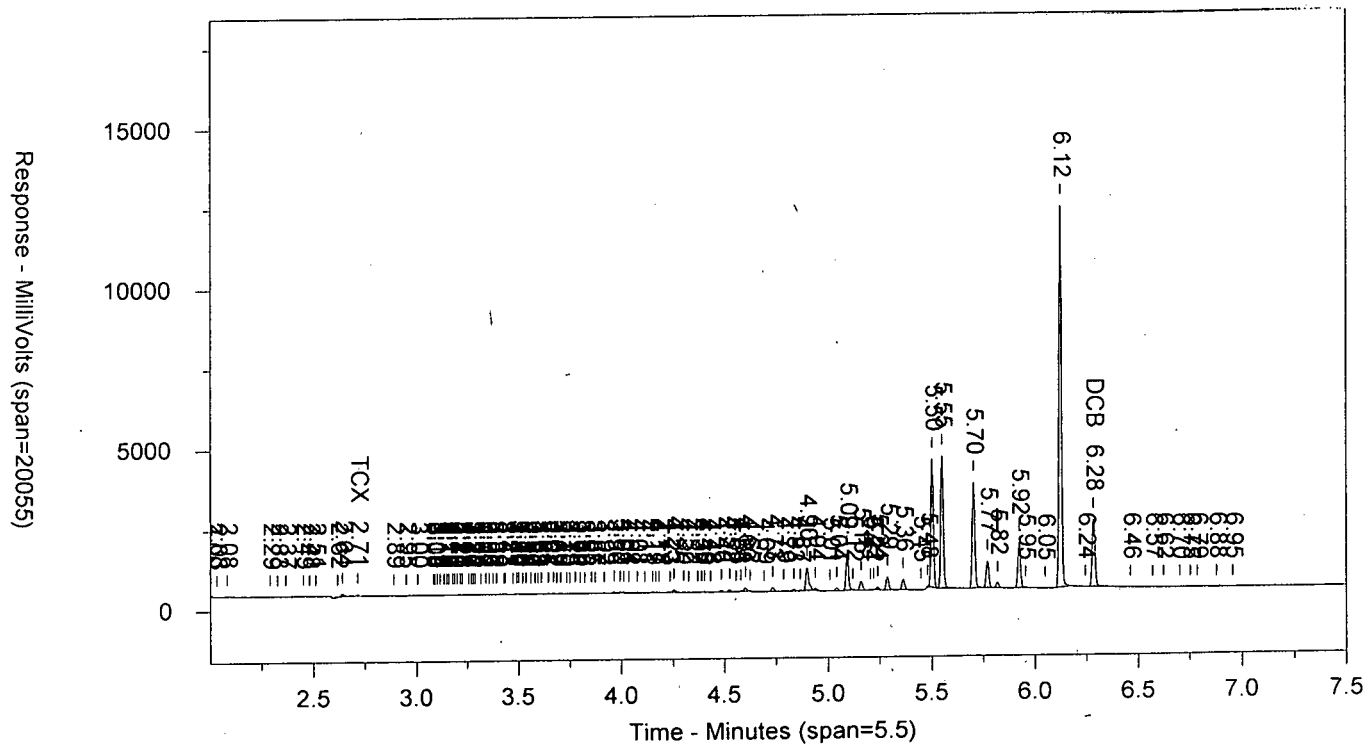

AR6841724A AAAR684AA ICAL 184699999 10227 SW-846 8082

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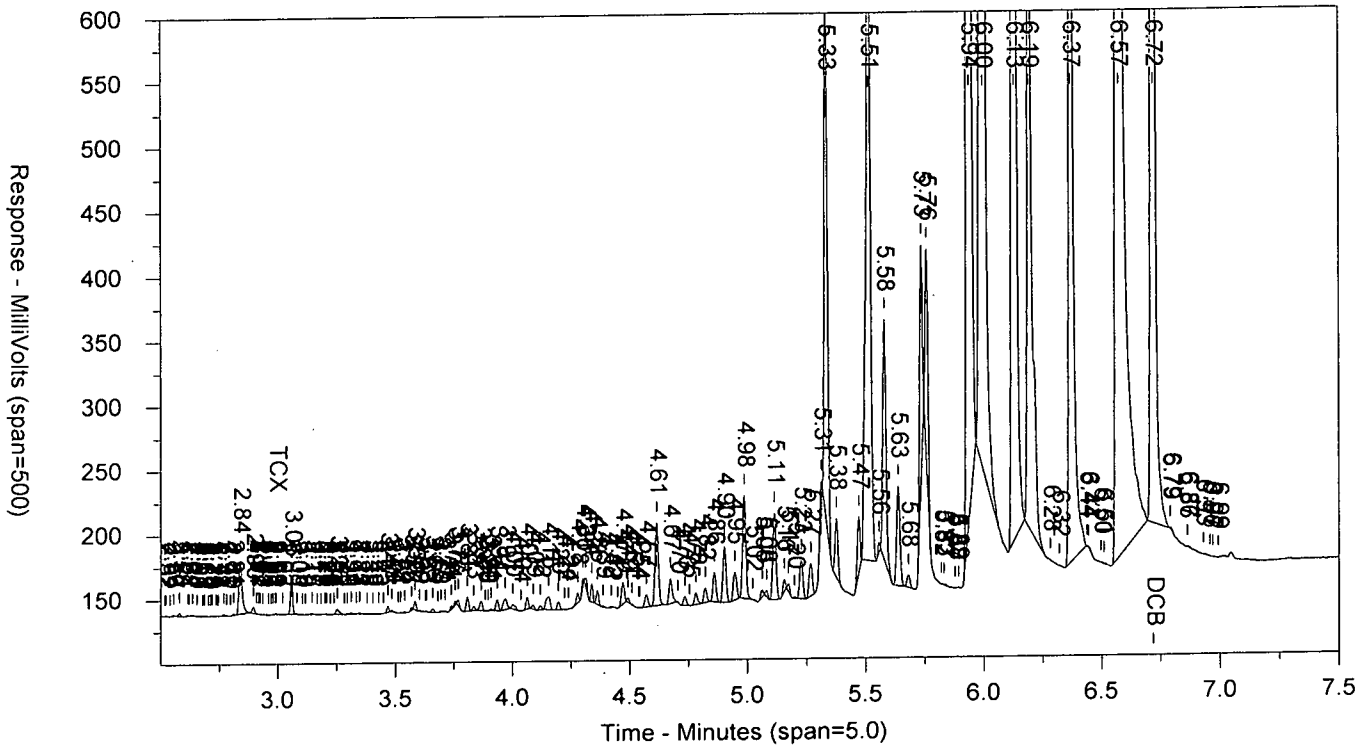

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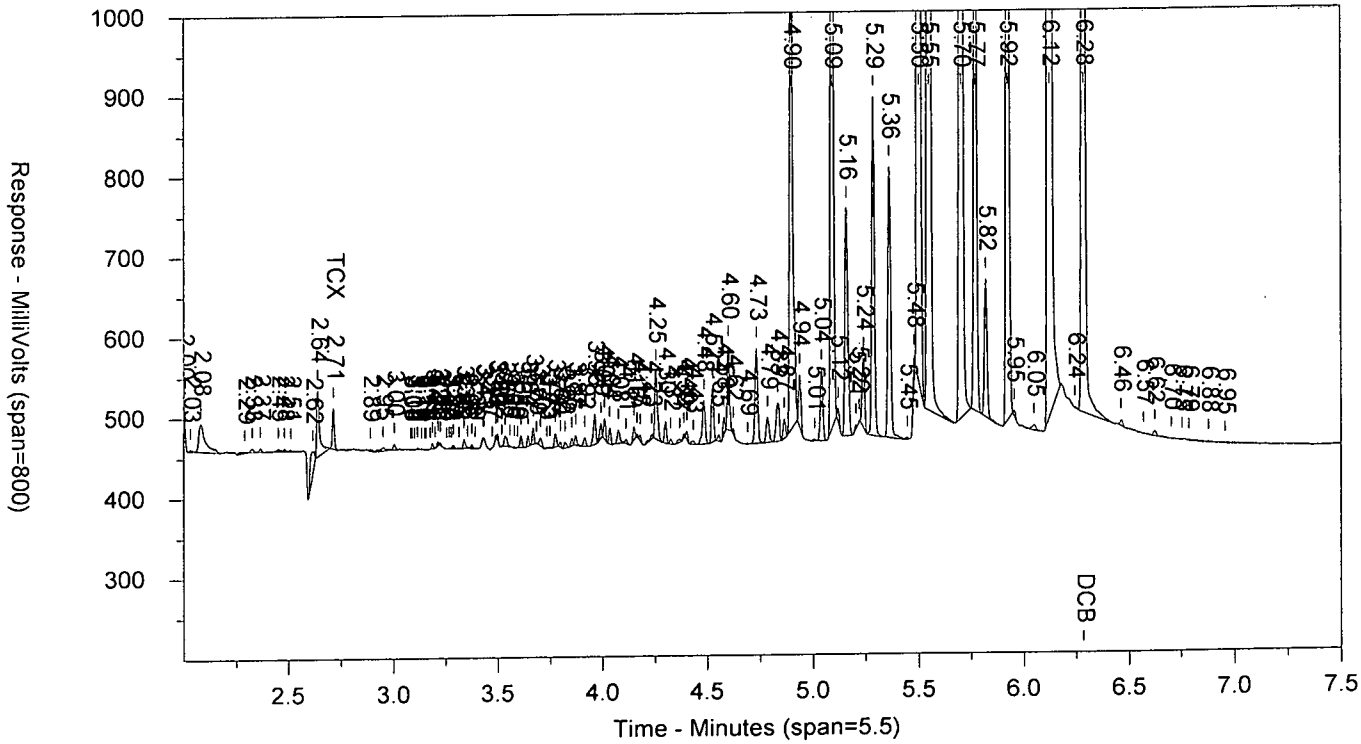

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:08:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2		133	8
2.008		154	56
2.038		9567	7889
2.072		610	313
2.08		554	231
2.087		337	119
2.096		123	67
2.108		180	84
2.122		314	68
2.154		12343	20572
2.202		543	376
2.221		583	504
2.261		784	328
2.284		29649	21662
2.319		1445	945
2.344		217	72
2.358		360	92
2.376		26096	16357
2.395		10147	5776
2.436		1531	1569
2.49		7117	5946
2.516		127	39
2.523		323	174
2.537		428	81
2.553		244	150
2.558		393	81
2.581		2030	1384
2.613		839	486
2.63		214278	156428
2.682		88	28
2.688		440	241
2.708		244	42
2.719		182	53
2.734		190	43
2.744		187	23
2.772		449	327
2.777		218	30
2.797		336	93
2.808		203	42
2.838		29077	25121
2.873		2325	1137
2.91		68708	49554
2.949		450	189
2.994	TCX	6427069	4183213
3.044		1421	651
3.057		1214	477
3.077		540	337
3.097		1718	928
3.108		371	99
3.117		347	129
3.146		281692	235821
3.203		236164	205527
3.251		761008	539754
3.296		486	90

RT A	Compound A	Height A	Area A
3.327		12765	7599
3.345		6601	3800
3.382		213	40
3.411		290	57
3.421		124	49
3.434		287	55
3.468		54021	31597
3.486		26054	20247
3.505		6521	2814
3.522		4967	1905
3.539		1685	573
3.554		76121	51049
3.585		67614	47702
3.642		16684	10147
3.659		3141	1707
3.696		14763	7876
3.711		12750	6910
3.739		2980	1572
3.756		22568	12114
3.767		55591	28705
3.806		71815	55099
3.84		272	45
3.868		47575	35052
3.909		1781	1066
3.935		19283	15079
3.963		12144	10146
3.985		3574	1752
4.028		145	53
4.063		17966	12699
4.089		6445	4510
4.119		6228	4386
4.156		19845	21146
4.196		5680	4658
4.276		6417	10554
4.316		9049	6104
4.338		12303	7878
4.362		12252	8872
4.385		563	232
4.408		171	26
4.414		142	22
4.427		782	757
4.47		10181	8505
4.493		3708	2163
4.543		136	28
4.552		251	60
4.575		809	676
4.582		182	36
4.612		7188	9746
4.652		156	39
4.672		8208	7165
4.7		218	57
4.734		4463	3952
4.756		387	79
4.774		34	106
4.801		166	120
4.819		2918	2620
4.844		180	28
4.858		568	227
4.882		250	61
4.887		202	25
4.893		151	21
4.898		327	56
4.903		489	190
4.929		166	25
4.957		593	662
4.961		342	95

RT A	Compound A	Height A	Area A
4.985		26107	23800
5.063		732	484
5.081		993	599
5.11		1492	1229
5.129		235	32
5.152		1438	1437
5.17		1228	950
5.195		297	67
5.226		41256	42717
5.266		1048	839
5.288		159	31
5.313		7232	9963
5.354		307	86
5.371		301	91
5.381		342	105
5.395		187	28
5.404		276	62
5.415		412	104
5.42		246	268
5.454		167	46
5.479		532	397
5.499		520	292
5.511		866	526
5.536		264	96
5.552		403	124
5.577		1365	869
5.592		937	744
5.636		40351	46916
5.686		249	53
5.695		178	37
5.702		251	182
5.756		63519	65708
5.807		173	25
5.812		201	44
5.82		160	24
5.827		187	33
5.85		809	795
5.873		319	58
5.878		193	22
5.89		225	149
5.904		185	42
5.916		112	17
5.941		8378	10561
5.986		545	253
5.995		1129	660
6.024		263	76
6.031		226	84
6.042		276	48
6.056		166	50
6.069		381	118
6.078		269	55
6.09		278	119
6.127		67721	70752
6.192		67841	59076
6.212		5448	3596
6.269		168	34
6.274		168	24
6.278		173	23
6.291		281	61
6.299		351	77
6.312		229	105
6.326		378	80
6.338		108	16
6.351		330	76
6.367		372	186
6.372		379	65

RT A	Compound A	Height A	Area A
6.381		150	27
6.397		259	30
6.402		280	60
6.408		244	44
6.416		194	75
6.427		330	95
6.433		330	77
6.446		114	47
6.454		156	37
6.461		266	45
6.496		4072	4866
6.523		184	23
6.531		181	37
6.536		303	65
6.541		347	69
6.57		51093	53059
6.61		370	123
6.619		306	72
6.635		233	72
6.65		291	97
6.661		288	78
6.666		283	53
6.676		208	43
6.686		141	21
6.717	DCB	3690193	4103789
6.805		755	715
6.858		548	290
6.882		370	113
6.924		278	125
6.956		371	187
6.98		292	54
6.987		228	52

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:08:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.003		11324	18189
2.082		33677	68314
2.143		21485	17502
2.237		4987	4010
2.292		6919	13282
2.325		4567	4771
2.364		4967	3275
2.392		344528	249798
2.51		6917	7618
2.623		8545	15476
2.64		51843	36282
2.67		109706	72450
2.716	TCX	10946740	6712997
2.758		134737	110918
2.889		544877	374258
2.938		50079	23202
2.95		299202	165591
3.003		1302186	847816
3.057		26121	16151
3.078		681	101
3.084		370	69
3.099		483	64
3.116		13470	8502
3.13		730	147
3.141		1098	184
3.147		733	173
3.156		905	234
3.164		389	87
3.173		1341	1435
3.214		73251	36588
3.226		23371	7642
3.235		23147	8567
3.258		44565	35360
3.287		22545	13602
3.315		149686	93868
3.339		107779	69000
3.376		8579	4662
3.405		28449	14946
3.422		21757	10340
3.437		31667	17137
3.49		40752	22393
3.5		101005	45318
3.519		1816	502
3.534		104471	84279
3.592		811	165
3.61		87714	55951
3.644		28817	17629
3.669		31053	17770
3.687		9033	4628
3.709		4912	2996
3.738		3503	3954
3.749		673	118
3.755		1104	185
3.775		32839	22545

RT B	Compound B	Height B	Area B
3.8		13414	7847
3.822		12754	8634
3.854		7591	4233
3.872		36630	25250
3.915		10139	8263
3.948		617	349
3.964		3314	1863
3.987		6839	3637
4.009		32093	21095
4.036		23396	15199
4.076		18105	16084
4.113		5308	3327
4.151		14575	10319
4.179		8243	4908
4.218		3430	2600
4.28		3102	2571
4.3		10155	6762
4.323		3662	2993
4.358		3003	2206
4.388		8872	9034
4.453		1375	428
4.484		5248	5008
4.522		3166	4119
4.559		4024	2917
4.576		1108	406
4.6		45912	42141
4.653		839	448
4.693		1378	489
4.705		875	396
4.732		4258	5099
4.785		4200	3254
4.803		3626	2281
4.837		54993	42664
4.866		3311	3430
4.913		2369	1634
5.002		2734	3099
5.093		4441	4035
5.12		4214	4406
5.162		8158	10798
5.206		1354	1222
5.24		52637	43016
5.288		2390	1884
5.362		91795	93374
5.468		1360	3737
5.502		4633	4237
5.549		9394	10029
5.639		1447	3282
5.702		95935	82208
5.769		111574	99163
5.819		33993	30842
5.922		3572	7927
6.001		1045	2471
6.122		75032	66495
6.154		2100	911
6.232		1293	430
6.245		1490	1052
6.283	DCB	5647382	5191443
6.673		1079	1708
6.734		6729	10041
6.823		1182	2352

AR2141724A AAAR214AA ICAL 184699999 10227 SW-846 8082

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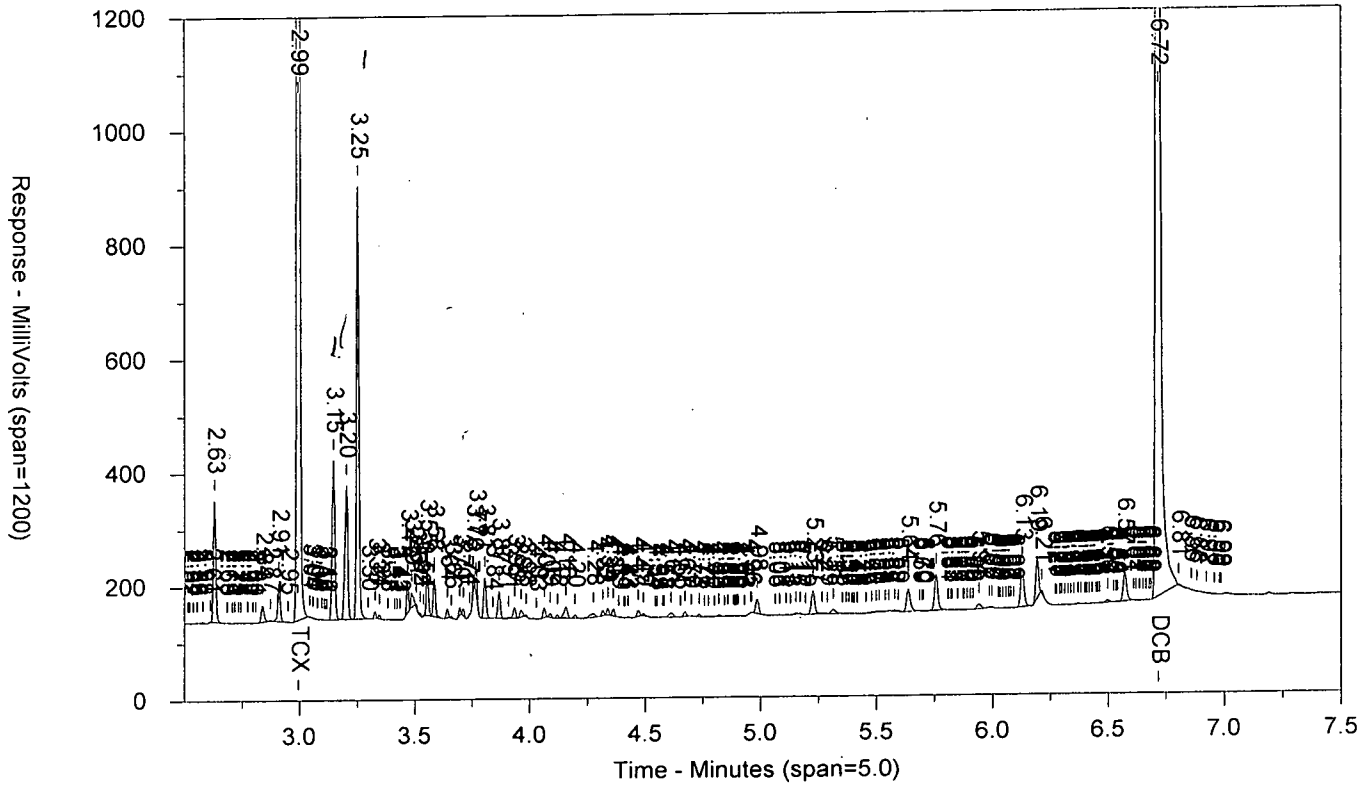

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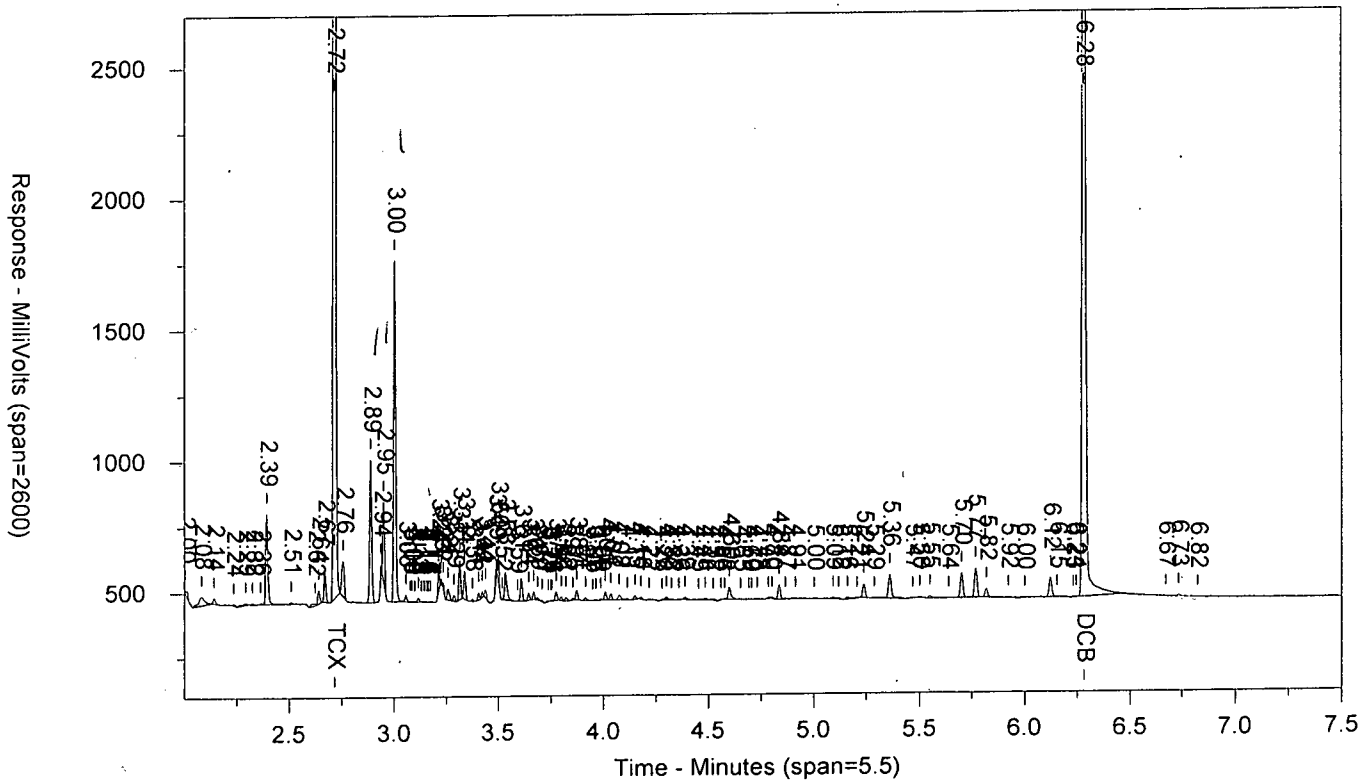

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:08:07 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.994	6427069	41.781	TCX	2.716	10946740	41.465	TCX
6.717	3690193	39.112	DCB	6.283	5647382	39.259	DCB

Files:
Area File: 25pcbs18047001.027.RAW
Area File: 25pcbs18047001B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 7:16:39 PM
File Reported On: 2/16/2018 at 7:16:55 PM

AR2141724A AAAR214AA ICAL 184699999 10227 SW-846 8082

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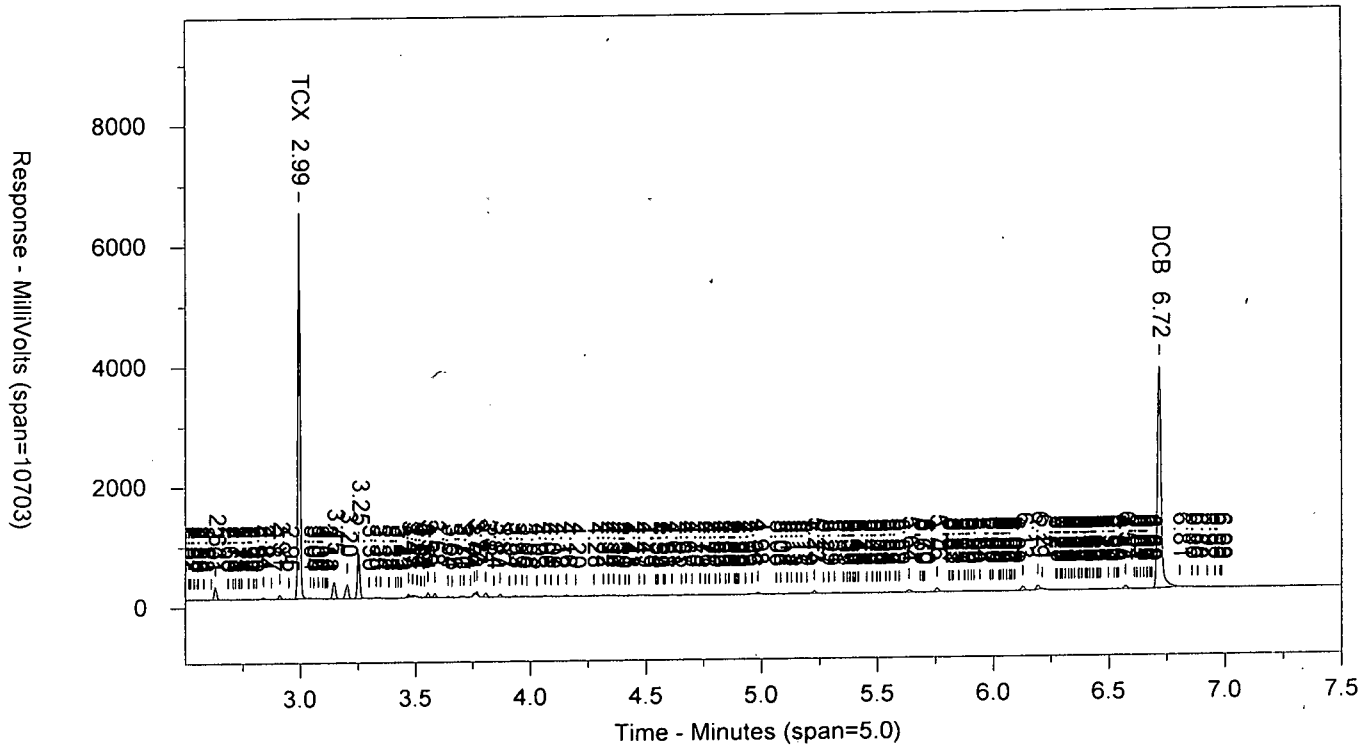

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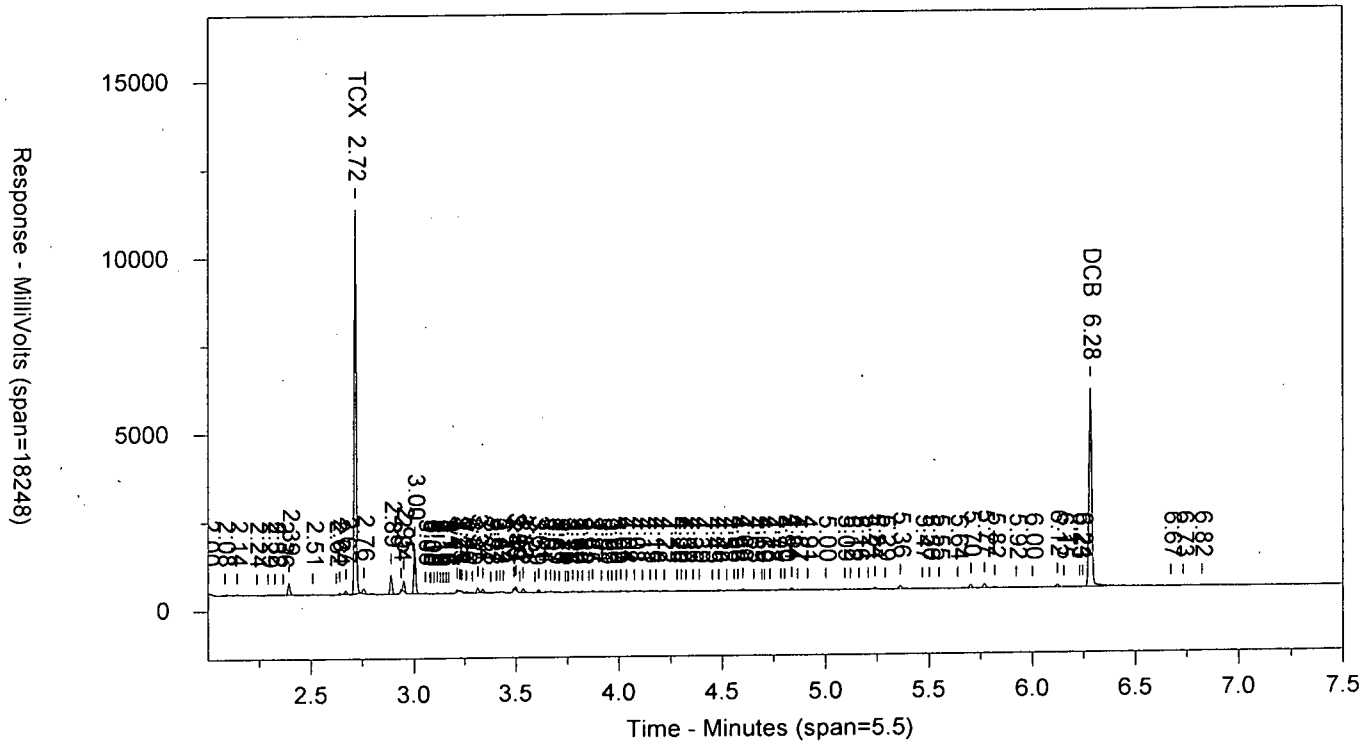

AR2141724A AAAR214AA ICAL 184699999 10227 SW-846 8082

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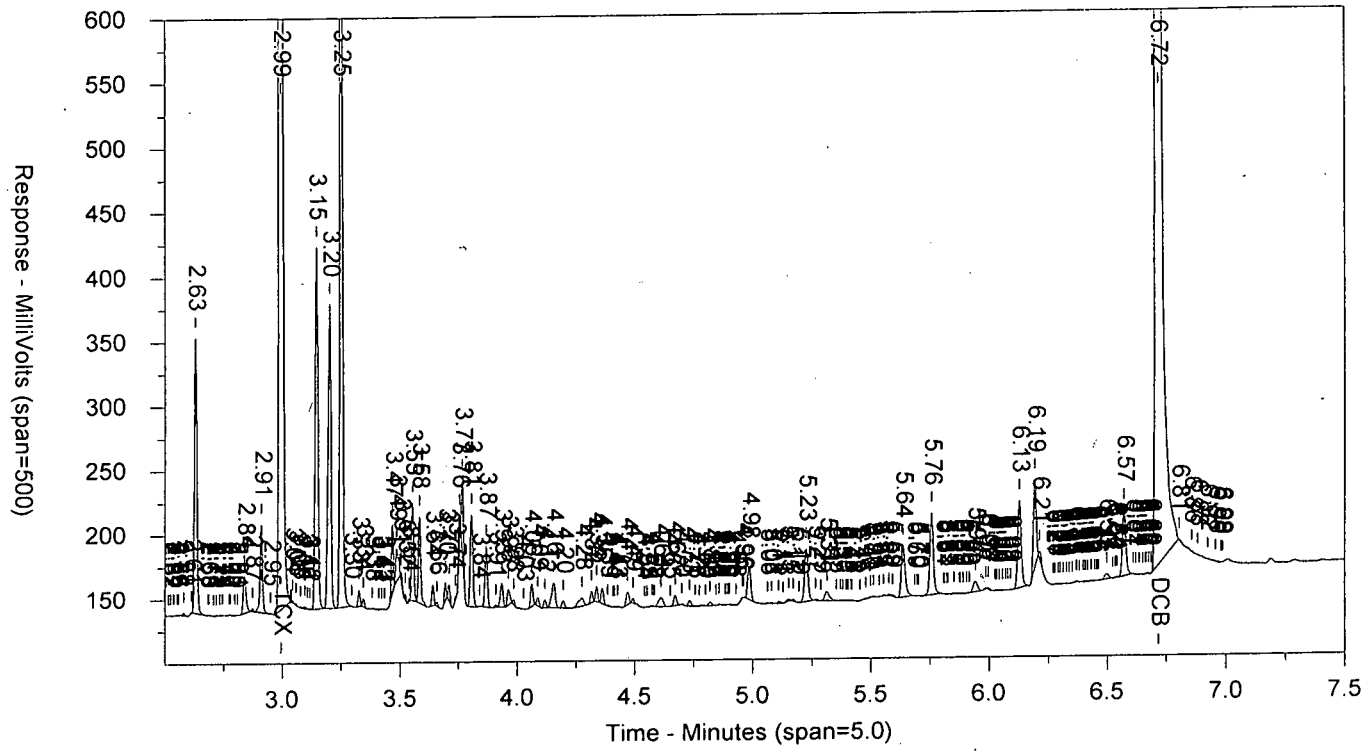

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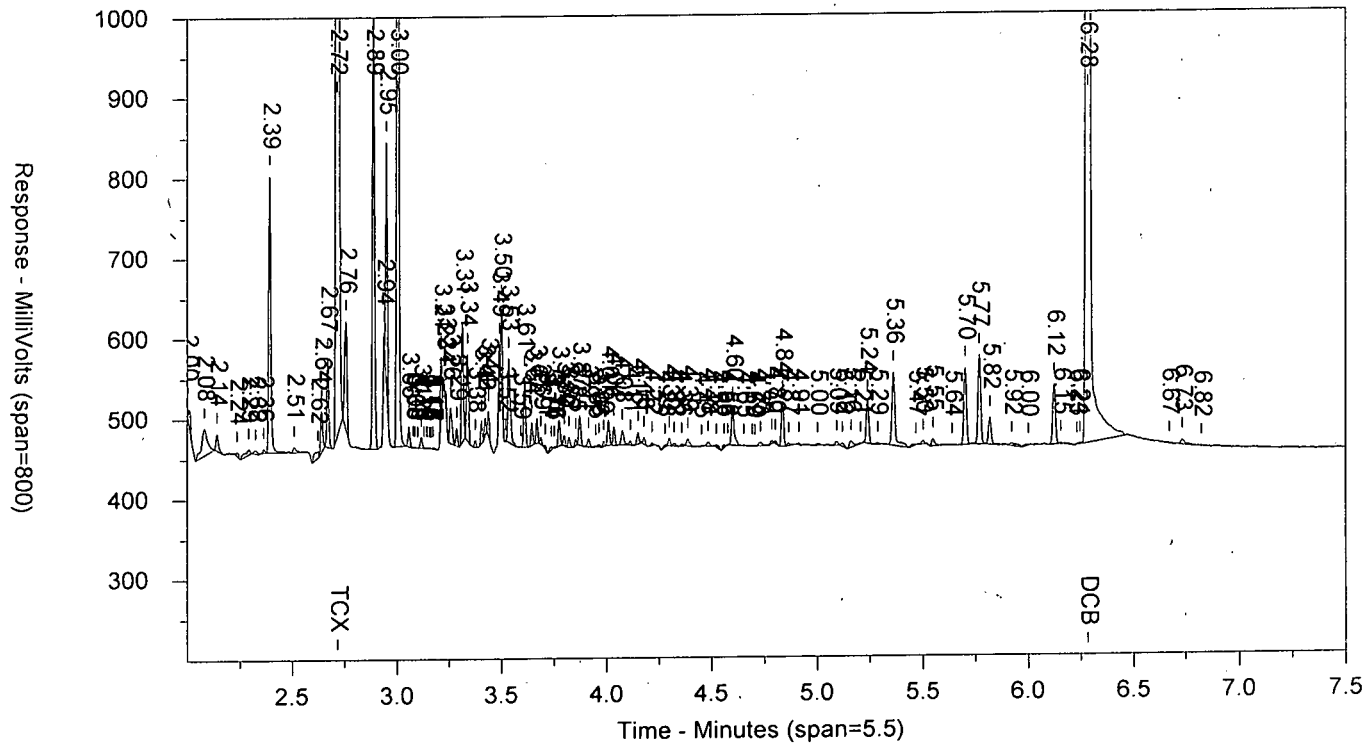

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:19:30 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.008		266	66
2.013		281	77
2.039		5370	4456
2.067		268	51
2.083		574	401
2.097		0	40
2.103		438	309
2.128		185	44
2.154		9172	15294
2.195		255	37
2.201		256	156
2.217		297	50
2.225		373	186
2.257		211	35
2.263		534	125
2.284		29109	22367
2.344		230	147
2.36		140	17
2.376		13407	8185
2.395		10296	6316
2.437		1824	1825
2.47		200	46
2.491		4298	3475
2.518		227	63
2.533		119	33
2.542		384	70
2.557		347	221
2.569		138	22
2.58		653	342
2.631		131751	94325
2.689		369	183
2.717		474	242
2.73		204	28
2.736		462	280
2.76		243	66
2.769		292	114
2.779		130	22
2.805		212	30
2.839		24535	21222
2.873		1066	542
2.911		37060	26895
2.953		207	71
2.994	TCX	6198074	4096575
3.042		841	459
3.082		495	215
3.095		1657	841
3.109		324	249
3.147		183214	159742
3.202		176800	161332
3.252		589468	421574
3.312		270	54
3.327		11702	6563
3.346		29928	18902
3.384		999	669

RT A	Compound A	Height A	Area A
3.407		147	23
3.425		195	19
3.429		237	44
3.468		250695	150483
3.486		120568	66545
3.523		28406	15269
3.539		8333	3390
3.555		49813	29790
3.586		294626	218784
3.621		965	414
3.642		12655	7509
3.66		14668	8526
3.697		67807	37950
3.711		36005	17751
3.756		115753	68665
3.767		247556	136749
3.806		329307	260324
3.868		261520	205625
3.909		21064	14084
3.935		168885	123639
3.963		131814	110602
3.986		42075	22488
4.041		272	46
4.063		193877	141998
4.088		70671	47669
4.119		80592	57473
4.156		193381	202244
4.196		69879	53338
4.243		9972	7655
4.283		16484	15308
4.317		127304	87195
4.338		157476	105051
4.362		186296	141354
4.424		1533	1578
4.429		1956	1216
4.471		139899	116399
4.494		66654	41209
4.509		7265	4105
4.551		1445	826
4.575		5706	4384
4.618		30717	30370
4.647		175	19
4.671		44903	38968
4.703		21883	16735
4.734		66261	56810
4.769		123	36
4.78		2146	1339
4.82		32113	29851
4.86		7764	8249
4.909		5846	5340
4.952		35872	33799
4.986		23291	20520
5.02		225	32
5.036		2377	1776
5.063		5301	3751
5.08		2474	1589
5.113		2507	2050
5.154		39133	42472
5.198		313	79
5.227		37356	39074
5.271		10892	9689
5.291		292	110
5.313		3111	2392
5.334		1774	971
5.376		1937	1858
5.4		288	60

RT A	Compound A	Height A	Area A
5.408		161	59
5.42		253	60
5.48		2495	3554
5.498		1986	1574
5.533		184	110
5.538		253	51
5.556		2306	1781
5.571		181	28
5.577		538	196
5.596		1292	796
5.637		36201	38783
5.678		1310	1194
5.706		342	104
5.736		2356	1573
5.759		56349	54251
5.803		384	59
5.81		420	117
5.821		221	36
5.834		186	65
5.85		296	33
5.857		272	94
5.872		343	66
5.885		225	88
5.903		453	132
5.912		345	92
5.943		8433	9238
5.97		167	29
5.991		2020	2792
6.017		354	95
6.032		230	93
6.04		167	23
6.047		284	44
6.053		321	58
6.063		376	137
6.07		346	84
6.081		167	73
6.092		457	86
6.103		200	83
6.128		63292	65345
6.193		62825	55925
6.213		6371	4078
6.283		307	322
6.29		179	54
6.306		236	31
6.316		1511	1481
6.353		341	118
6.372		1931	1997
6.39		309	70
6.399		377	139
6.411		303	135
6.428		261	48
6.439		161	115
6.456		269	110
6.464		223	45
6.469		133	24
6.474		401	83
6.499		1945	1971
6.517		331	93
6.529		167	28
6.539		413	269
6.572		43750	47975
6.633		273	38
6.637		209	31
6.644		318	56
6.662		82	48
6.676		252	147

RT A	Compound A	Height A	Area A
6.719	DCB	3673945	3997865
6.838		1071	1164
6.873		1066	510
6.888		215	29
6.894		693	244
6.91		561	371
6.941		399	522
6.972		326	42
6.983		225	57
6.992		270	89

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:19:30 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		36678	25918
2.083		23758	45581
2.143		20552	15395
2.237		3476	3215
2.282		1976	3404
2.327		4460	5646
2.366		2444	2363
2.393		208665	144752
2.456		1782	1446
2.506		2074	2970
2.622		7979	12622
2.641		44236	29571
2.67		61208	40573
2.716	TCX	10934470	6574500
2.758		101005	80222
2.889		365019	253550
2.938		60234	27761
2.95		210807	108433
3.004		1034934	661658
3.057		24837	15226
3.08		367	91
3.088		1319	306
3.094		952	130
3.117		57320	36814
3.14		1064	174
3.147		972	326
3.162		989	191
3.17		462	126
3.176		657	112
3.18		999	567
3.214		344707	175482
3.225		117895	44338
3.266		67694	52388
3.288		37296	21644
3.315		108309	64232
3.339		474661	325682
3.376		30274	17726
3.405		21370	10339
3.423		120628	63213
3.438		79557	40687
3.49		254187	132705
3.5		467731	209833
3.52		16595	5754
3.535		490322	353463
3.583		1182	317
3.59		637	132
3.61		473660	310769
3.645		273664	176984
3.669		309918	183957
3.688		105915	56413
3.729		2107	1123
3.752		2236	1139
3.776		356336	255793
3.8		140037	82184

RT B	Compound B	Height B	Area B
3.822		135068	86645
3.854		82787	46519
3.873		316134	206694
3.915		117588	93029
3.964		23391	16403
3.987		200910	130750
4.01		396939	265363
4.036		351770	234566
4.056		12207	5155
4.076		26411	16582
4.098		4277	1711
4.113		70117	46044
4.151		224483	170544
4.18		159752	100912
4.228		11313	11494
4.265		40881	33391
4.3		8361	5276
4.324		73953	57004
4.359		44403	32177
4.388		109456	86199
4.43		3227	3348
4.47		9081	5360
4.485		39026	26397
4.522		12131	9860
4.555		70030	52137
4.578		2502	1163
4.6		38524	28160
4.624		10249	6173
4.652		5924	4294
4.731		17622	17458
4.783		80881	108393
4.838		59192	43142
4.865		19553	17649
4.898		3202	1559
4.913		2493	1546
4.939		2317	1277
5.004		3843	3899
5.04		1195	1530
5.094		8102	6387
5.12		5836	4985
5.168		7545	9588
5.202		2349	1732
5.24		50408	40348
5.266		1377	646
5.287		12372	10047
5.363		87578	74922
5.395		2374	3077
5.451		905	480
5.46		1214	889
5.502		4419	8112
5.551		15463	23706
5.703		91046	78302
5.77		106632	89324
5.819		37246	38148
5.85		787	564
5.922		3566	3459
5.996		1564	3692
6.077		2156	1936
6.123		64237	55957
6.156		2008	1106
6.175		1806	741
6.225		840	253
6.242		1208	757
6.284	DCB	5349075	5093668
6.621		1452	1228
6.734		6431	8184

RT B	Compound B	Height B	Area B
6.892		730	304
6.913		1820	1860

AR3241724A AAAR324AA ICAL 184699999 10227 SW-846 8082

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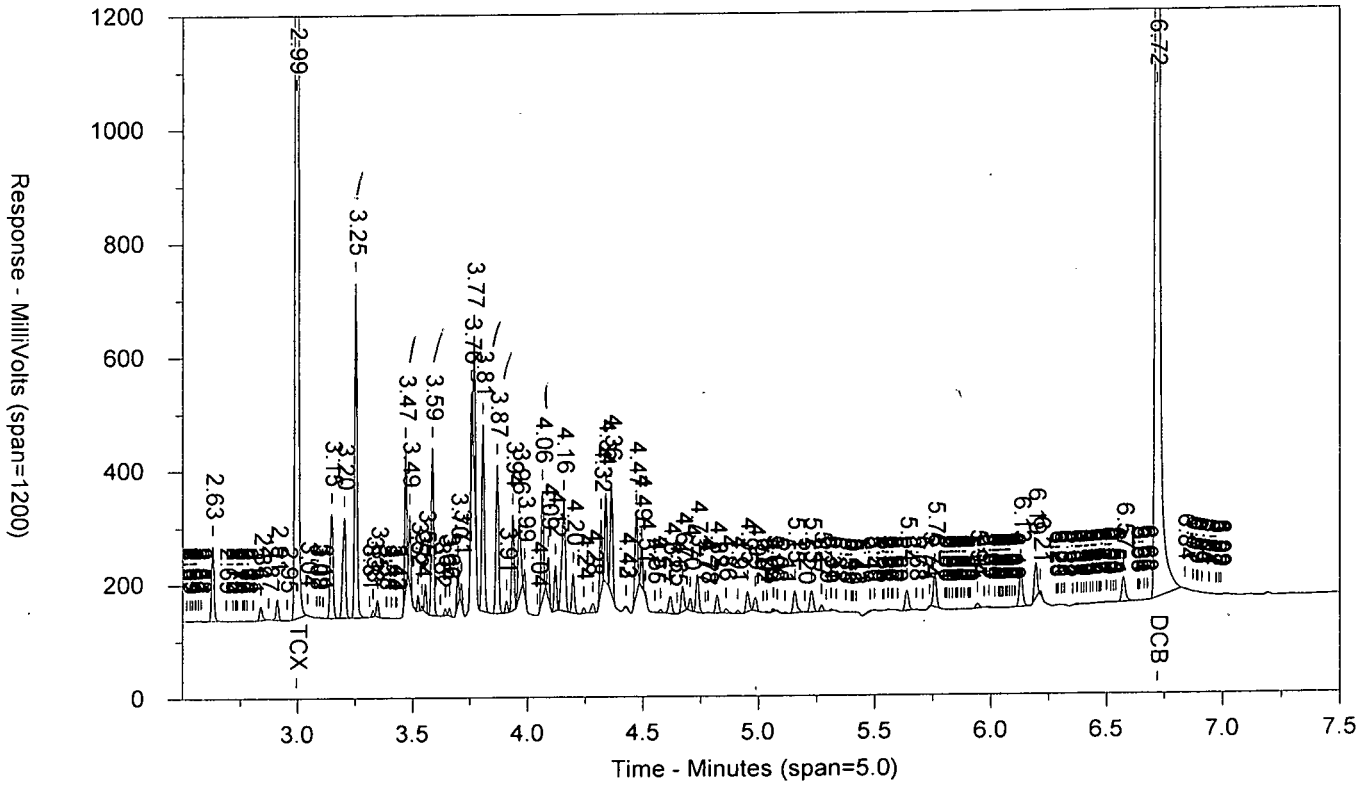

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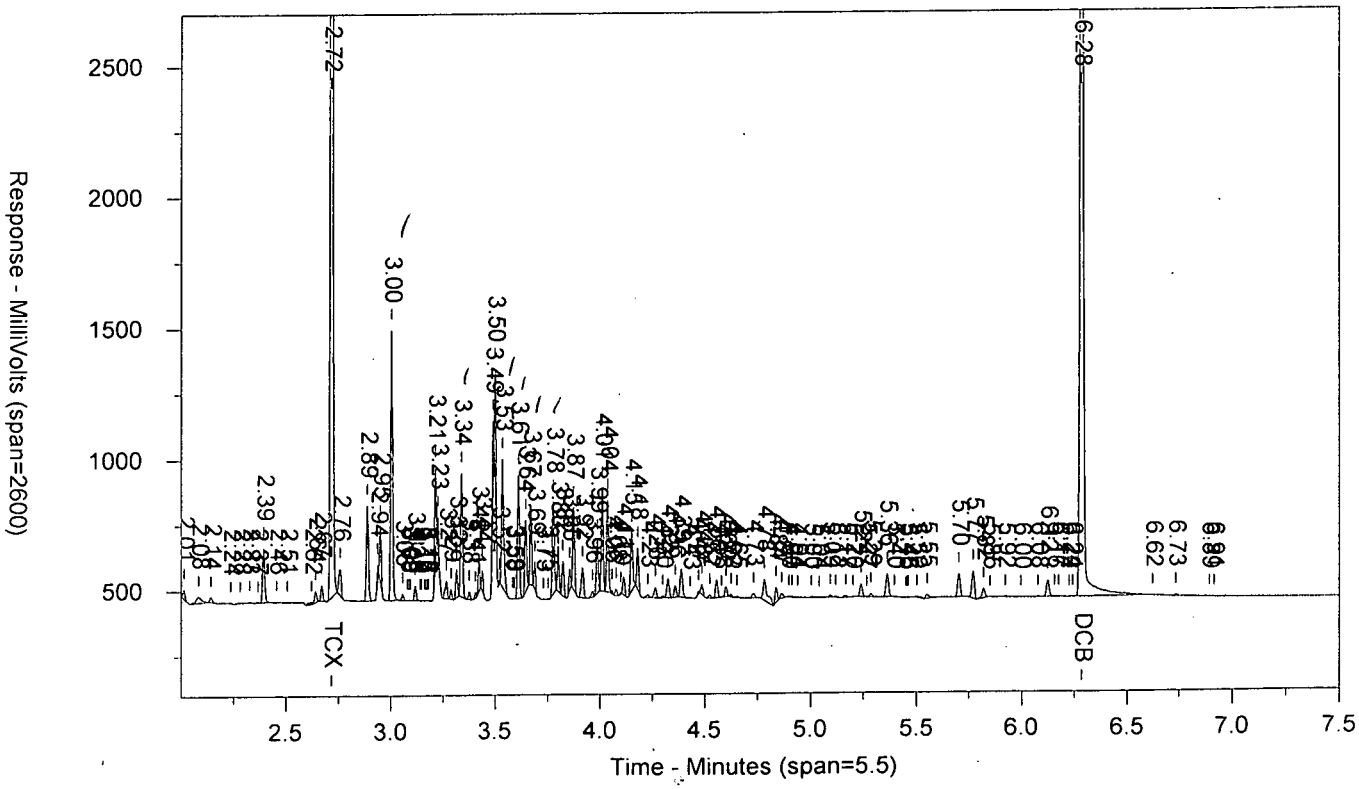

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:19:30 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.994	6198074	40.293	TCX	2.716	10934470	41.418	TCX
6.719	3673945	38.94	DCB	6.284	5349075	37.186	DCB

Files:
Area File: 25pcbs18047001.028.RAW
Area File: 25pcbs18047001B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 7:28:01 PM
File Reported On: 2/16/2018 at 7:28:17 PM

AR3241724A AAAR324AA ICAL 184699999 10227 SW-846 8082

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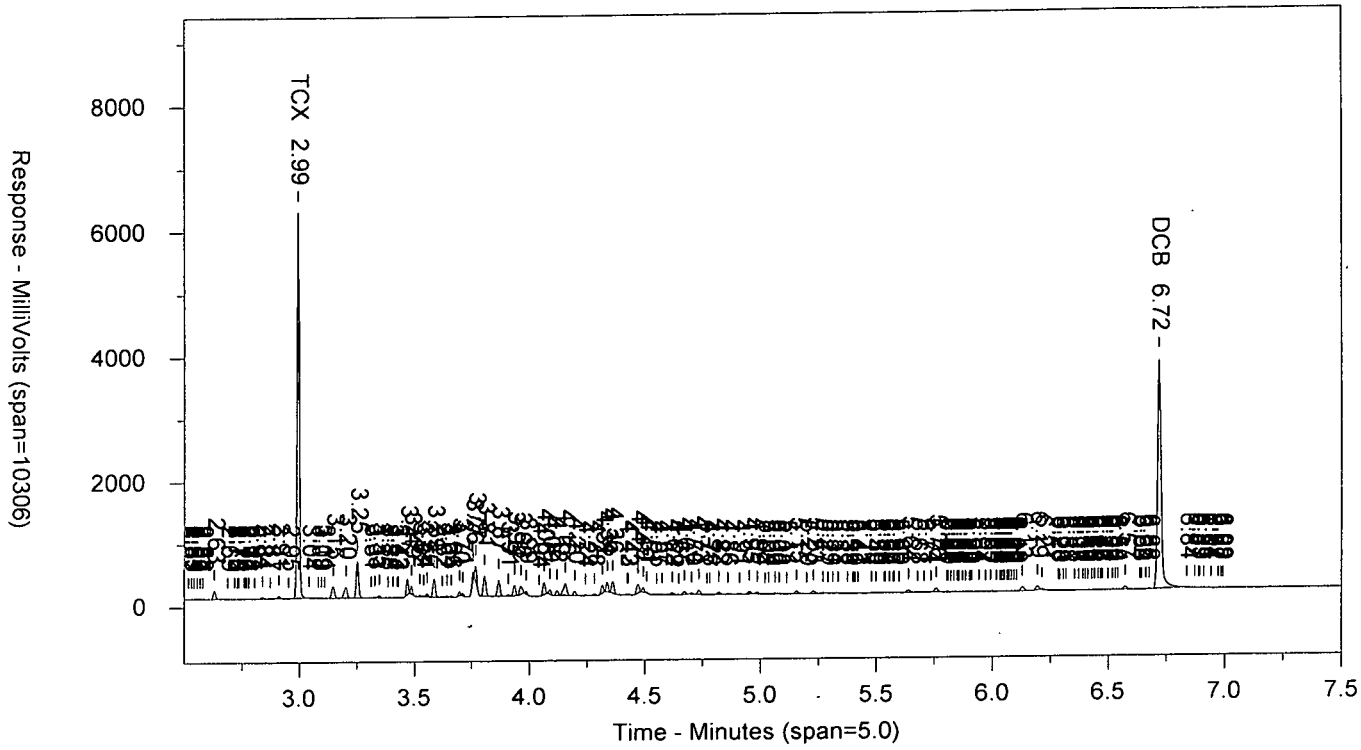

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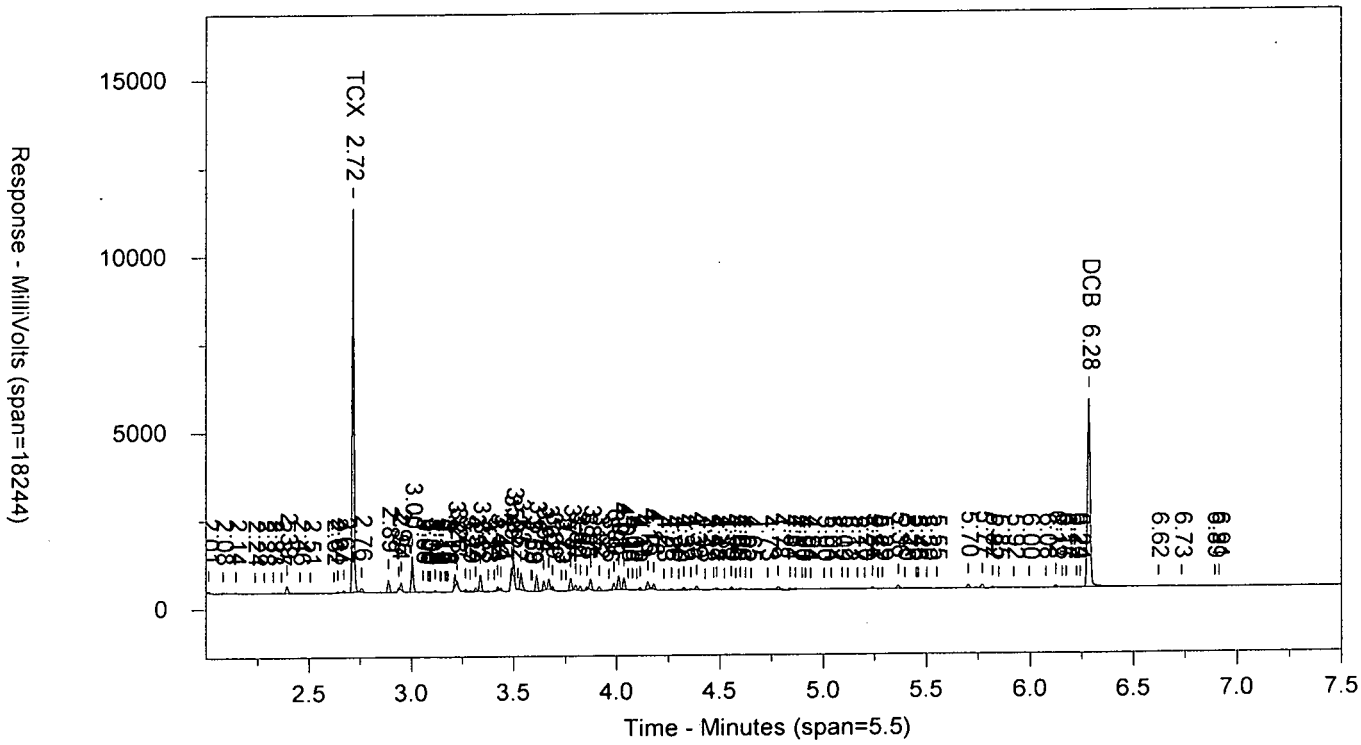

AR3241724A AAAR324AA ICAL 184699999 10227 SW-846 8082

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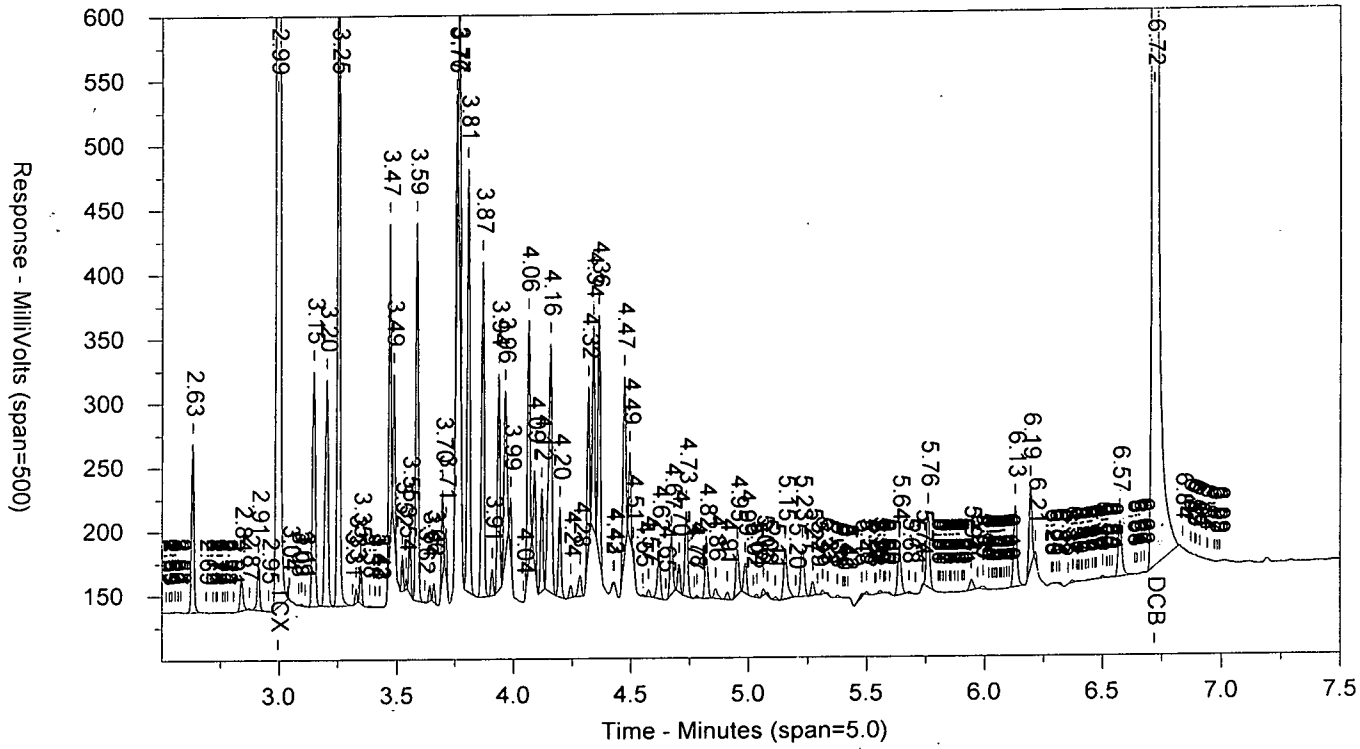

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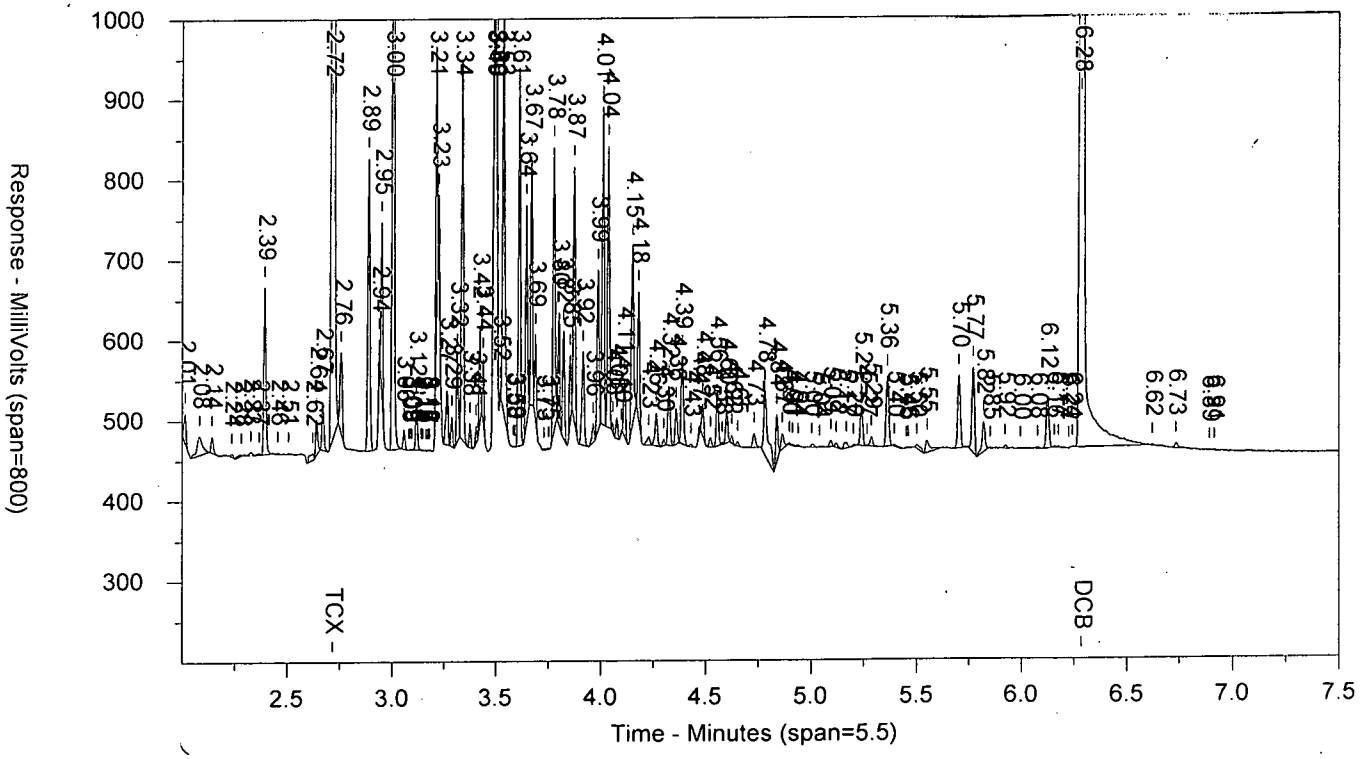

LANCASTER LABORATORIES

Sample Number: AR4241824A AAAR424AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:30:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.007		172	48
2.038		3644	2961
2.074		495	238
2.087		390	239
2.101		281	233
2.155		12557	20459
2.203		262	155
2.235		182	84
2.263		161	37
2.284		27982	19958
2.305		409	56
2.32		785	415
2.341		251	107
2.376		14516	8772
2.395		10037	6046
2.437		1829	1945
2.49		2872	2472
2.521		218	38
2.531		136	29
2.537		240	59
2.544		170	32
2.556		719	457
2.583		337	104
2.593		314	39
2.613		1759	1088
2.632		7996	5445
2.659		221	51
2.674		397	145
2.685		171	73
2.706		107	27
2.713		215	35
2.722		170	71
2.735		418	80
2.741		472	125
2.761		81	14
2.77		421	211
2.795		243	66
2.811		284	208
2.838		18426	16049
2.88		222	63
2.896		1350	829
2.91		955	576
2.938		182	33
2.947		350	126
2.964		216	33
2.994	TCX	6149530	4008761
3.057		2164	1274
3.095		1416	682
3.146		92367	79636
3.202		110049	114876
3.251		419572	301827
3.327		9760	5328
3.346		52367	34065
3.373		194	48

RT A	Compound A	Height A	Area A
3.385		1634	1132
3.406		322	44
3.415		197	55
3.422		309	69
3.439		134	38
3.468		425990	258377
3.485		208120	111993
3.523		54106	30387
3.539		18322	8050
3.554		27329	15128
3.586		513070	376213
3.621		2282	970
3.642		12269	7607
3.66		27753	16986
3.696		110292	63701
3.711		57754	27735
3.756		254252	134294
3.767		456731	245955
3.806		568897	447617
3.868		459069	362484
3.908		41290	27937
3.935		314543	233372
3.963		247696	205536
3.985		79411	43340
4.063		363028	267244
4.088		133861	86551
4.119		155631	110401
4.155		369955	381339
4.196		123387	100651
4.243		20812	16191
4.283		31783	27821
4.317		239503	170569
4.338		290822	196233
4.362		350657	267752
4.43		24267	29997
4.471		279661	225904
4.493		116914	71281
4.51		27182	13773
4.552		4027	2458
4.575		13913	9944
4.596		299	77
4.618		66943	61696
4.672		102026	86480
4.704		56235	41733
4.734		148742	132519
4.773		168	29
4.779		1217	638
4.821		67396	62803
4.86		6283	4449
4.872		1195	707
4.91		14481	13066
4.952		97189	90022
4.985		22373	18225
5.007		448	129
5.034		7401	6455
5.062		7185	5259
5.079		5859	4143
5.111		1703	1448
5.154		93427	99541
5.198		1504	743
5.227		40296	38515
5.271		23676	22026
5.293		1772	722
5.312		4056	2988
5.352		296	82
5.374		414	131

RT A	Compound A	Height A	Area A
5.385		133	18
5.394		301	173
5.414		290	186
5.43		319	147
5.446		161	29
5.452		227	44
5.48		8734	7492
5.513		356	108
5.54		720	677
5.552		224	65
5.556		349	139
5.578		707	439
5.591		985	773
5.636		34055	35802
5.681		4863	4199
5.705		871	495
5.757		58537	63955
5.814		276	57
5.824		152	68
5.851		2026	1642
5.864		418	72
5.88		165	45
5.885		354	49
5.891		381	73
5.896		247	40
5.903		188	58
5.909		242	30
5.918		243	35
5.943		5236	5924
5.983		829	702
5.997		359	84
6.03		1375	1392
6.061		222	38
6.066		230	36
6.071		396	130
6.093		363	173
6.1		218	30
6.128		63795	65232
6.193		60969	54755
6.213		5389	3348
6.253		383	191
6.274		365	102
6.289		208	34
6.309		237	107
6.318		346	102
6.327		181	86
6.347		463	146
6.358		303	95
6.364		240	53
6.371		410	166
6.381		453	149
6.402		307	168
6.408		424	118
6.428		182	147
6.438		195	41
6.446		300	238
6.498		1922	2495
6.52		285	70
6.536		157	63
6.54		214	27
6.544		233	48
6.572		42768	43264
6.612		2055	1591
6.632		256	42
6.646		152	53
6.661		290	134

RT A	Compound A	Height A	Area A
6.672		319	130
6.682		313	135
6.719	DCB	3521431	3956299
6.872		244	52
6.899		356	46
6.942		348	163
6.96		443	227
6.987		244	74
6.995		159	27

LANCASTER LABORATORIES

Sample Number: AR4241824A AAAR424AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:30:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		33459	22079
2.083		29108	46845
2.143		21009	16098
2.238		2703	2443
2.279		1553	1605
2.292		2817	1638
2.326		3885	3973
2.393		12194	9298
2.451		2040	2278
2.51		6534	8118
2.616		10302	16914
2.64		33736	31839
2.716	TCX	10360460	6413382
2.759		62331	43340
2.888		184833	130406
2.95		166438	185658
3.003		729045	475949
3.057		24015	14419
3.089		1009	316
3.097		891	149
3.116		98702	65371
3.154		613	270
3.164		797	140
3.174		687	93
3.185		752	256
3.213		598634	312513
3.225		194886	74411
3.266		107103	67860
3.288		58750	34592
3.315		73379	41336
3.338		810334	568045
3.375		54998	32671
3.404		19797	9309
3.422		210736	113744
3.438		122637	61871
3.489		482568	225341
3.5		837539	383565
3.519		37324	12665
3.534		835965	594729
3.583		593	90
3.61		842348	549159
3.645		535877	344627
3.669		623342	352756
3.687		200631	105680
3.731		1819	721
3.744		1241	437
3.755		616	138
3.775		693887	484304
3.8		261599	154451
3.822		256422	161508
3.854		156756	87672
3.872		580444	376162
3.915		219827	173945
3.964		44631	31732

RT B	Compound B	Height B	Area B
3.986		392081	255713
4.01		770378	518922
4.036		644036	442252
4.056		31563	14248
4.076		44332	25904
4.098		6811	3527
4.112		151695	103910
4.15		424424	331836
4.18		293573	183781
4.228		24723	20642
4.264		105266	84909
4.301		7985	5239
4.325		172572	137413
4.358		107304	76950
4.387		250355	193652
4.426		3507	3576
4.469		18438	10612
4.485		77585	55081
4.521		29593	22817
4.555		180497	139651
4.579		3492	1448
4.6		34421	23791
4.623		16729	10854
4.652		16068	12812
4.729		25427	27143
4.783		161186	127078
4.805		8172	3880
4.837		51540	39075
4.865		47106	44329
4.914		6926	6241
5.007		7667	8084
5.059		2860	2291
5.095		4143	3332
5.118		19555	17175
5.163		6200	7468
5.223		453	1361
5.24		47960	37165
5.266		8664	5597
5.288		2644	1629
5.305		2395	1392
5.363		85888	80232
5.459		1293	307
5.482		1242	743
5.505		1790	1169
5.521		3399	2183
5.549		6548	7469
5.64		3636	4369
5.702		88295	76837
5.77		104380	92745
5.819		31753	27986
5.849		1764	1729
5.902		2094	1932
5.939		1175	1428
5.994		1155	1134
6.078		1746	1455
6.097		956	407
6.123		63717	54418
6.209		1253	599
6.283	DCB	5325072	4915432
6.577		1405	1091
6.737		5527	5037
6.833		1224	956
6.889		888	447
6.978		820	482

AR4241824A AAAR424AA ICAL 184699999 10227 SW-846 8082

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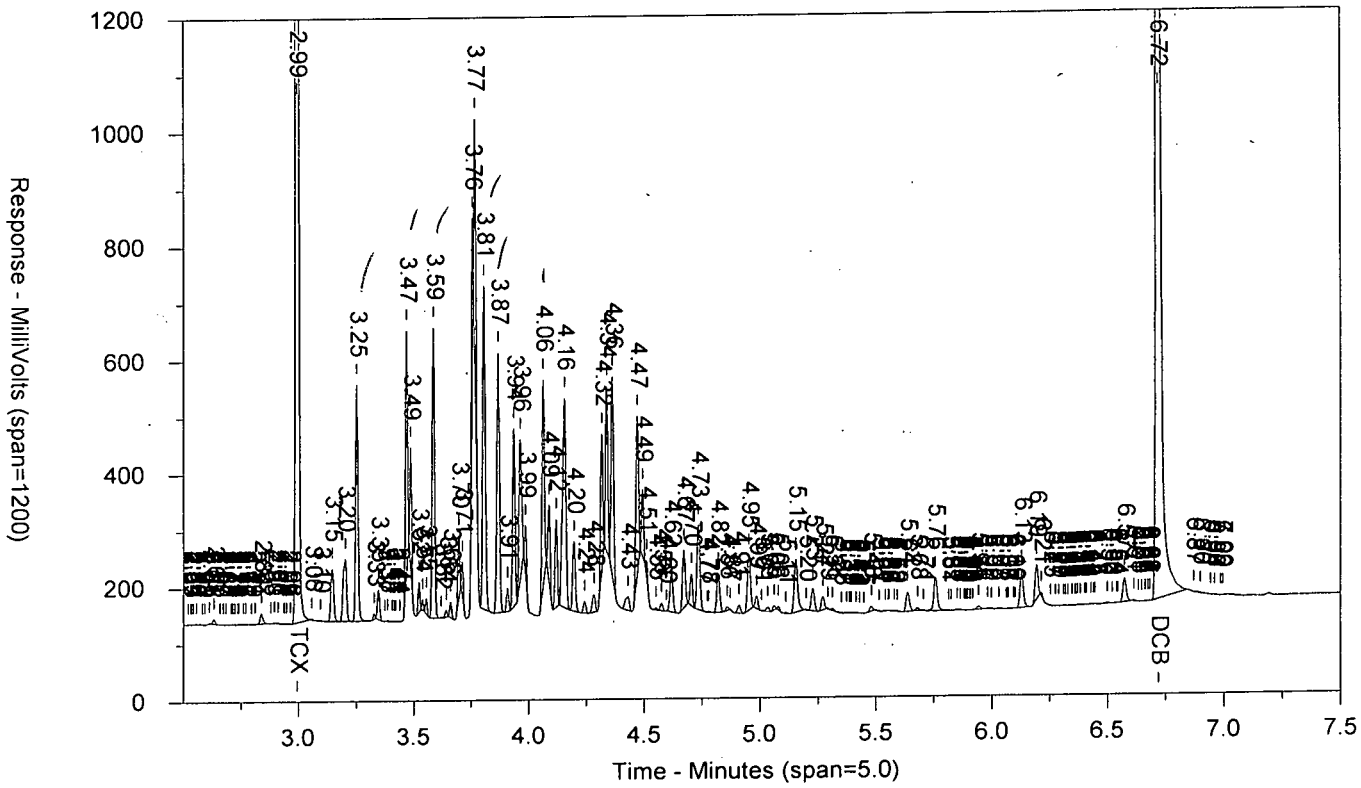

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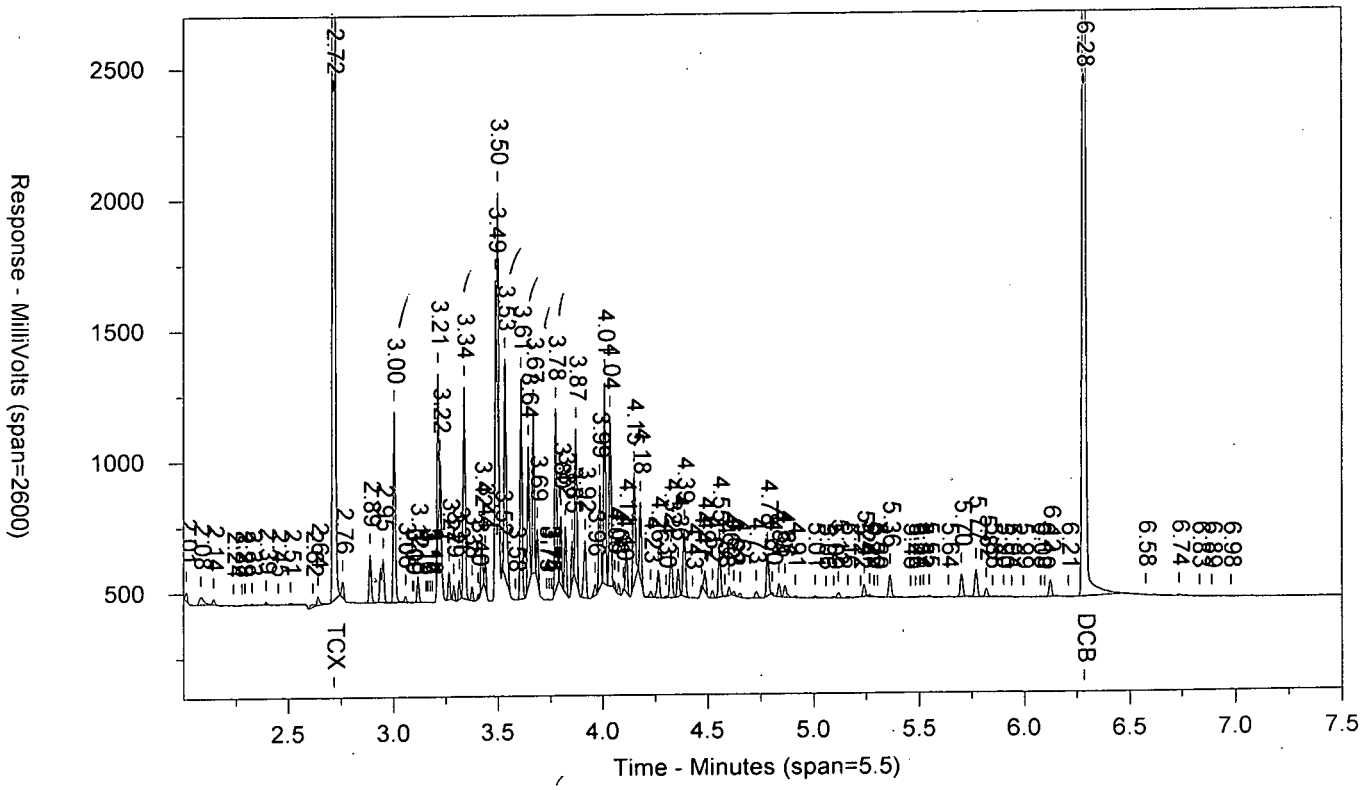

LANCASTER LABORATORIES

Sample Number: AR4241824A AAAR424AA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:30:47 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.994	6149530	39.977	TCX	2.716	10360460	39.244	TCX
6.719	3521431	37.324	DCB	6.283	5325072	37.019	DCB

Files:
Area File: 25pcbs18047001.029.RAW
Area File: 25pcbs18047001B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 7:39:20 PM
File Reported On: 2/16/2018 at 7:39:26 PM

AR4241824A AAAR424AA ICAL 184699999 10227 SW-846 8082

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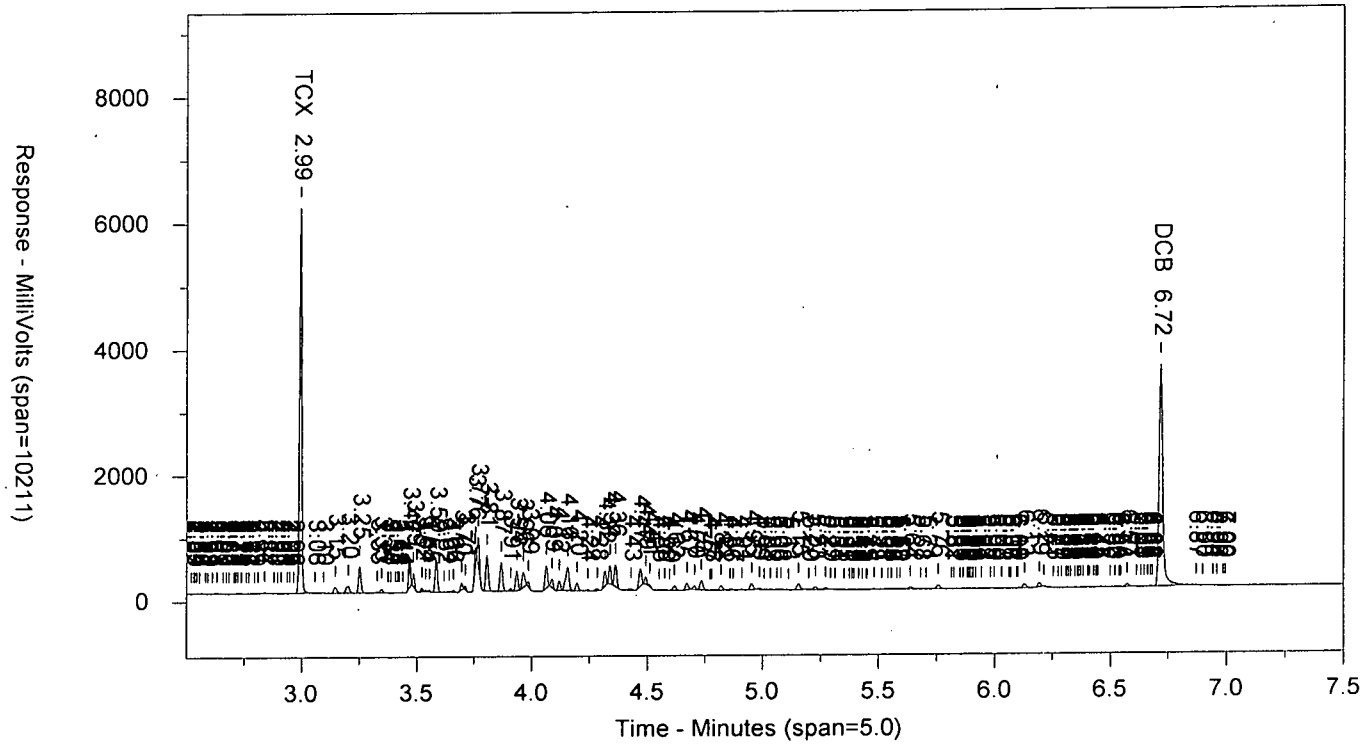

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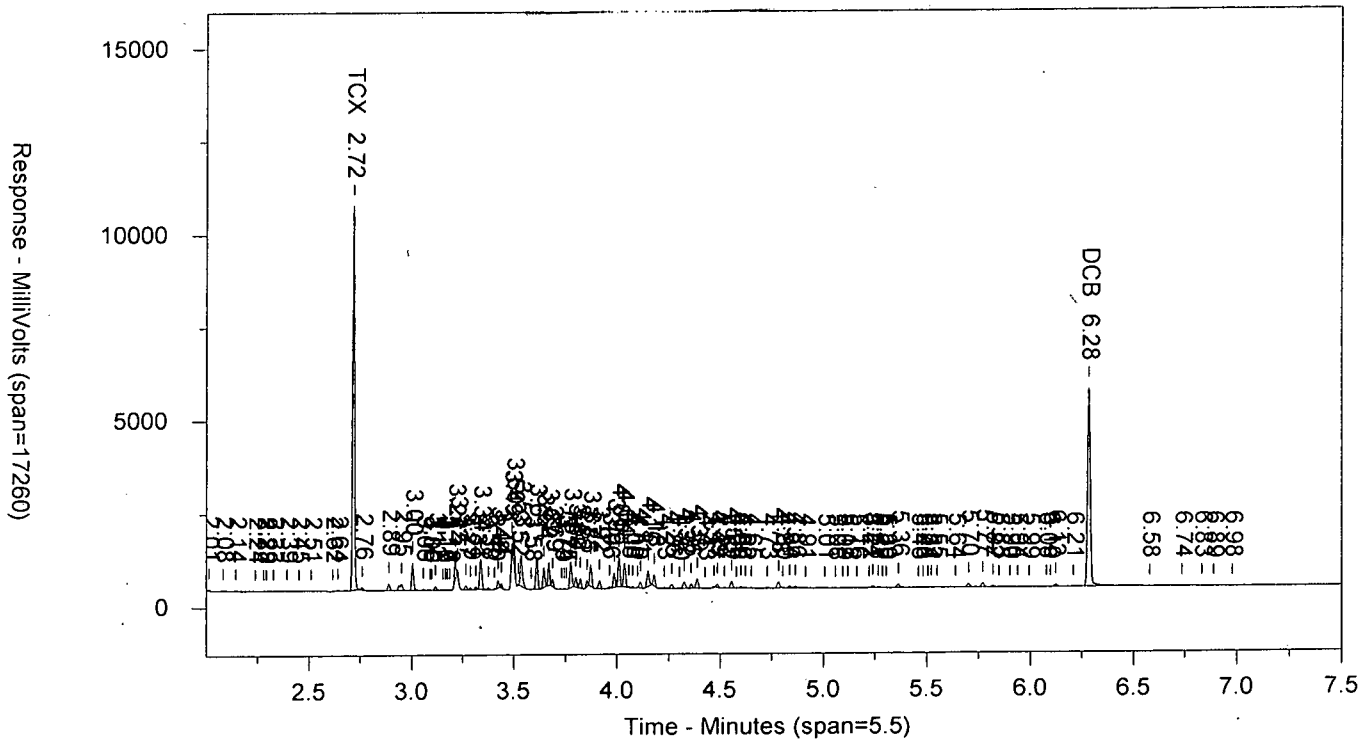

AR4241824A AAAR424AA ICAL 184699999 10227 SW-846 8082

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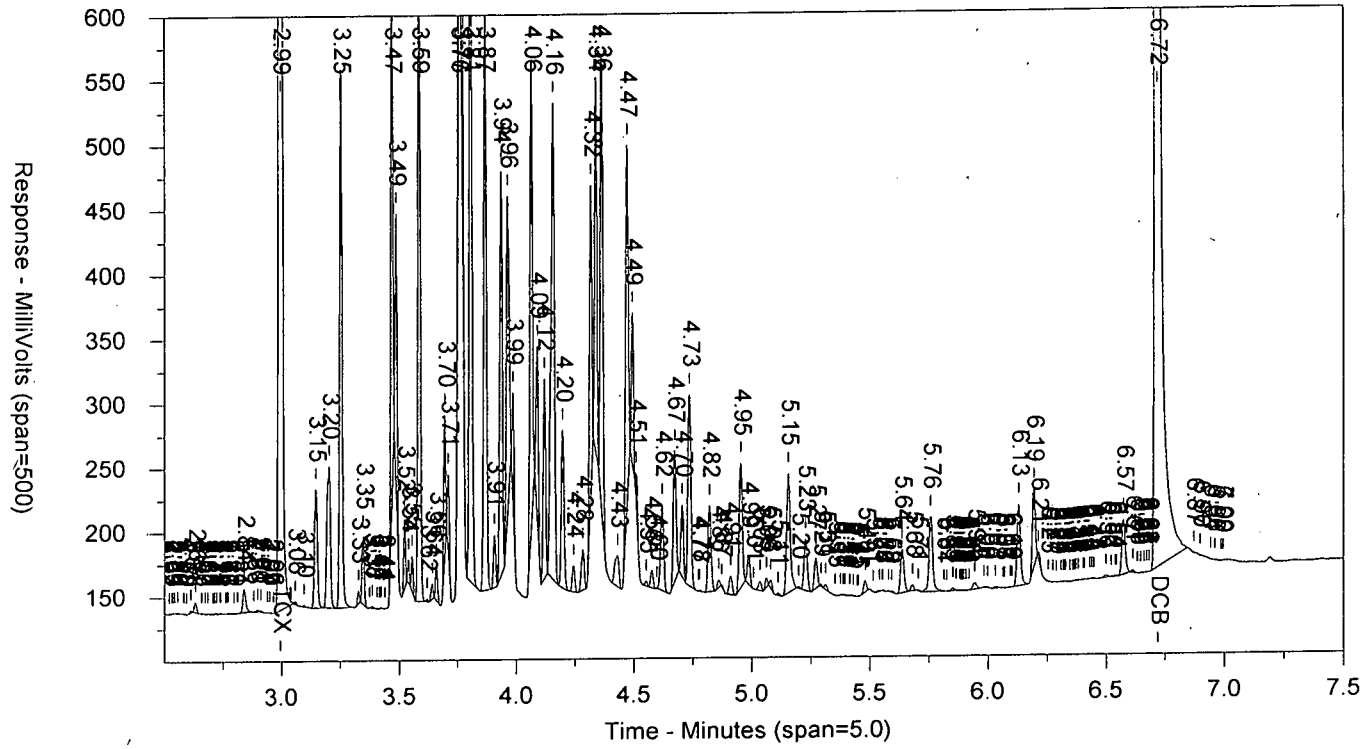

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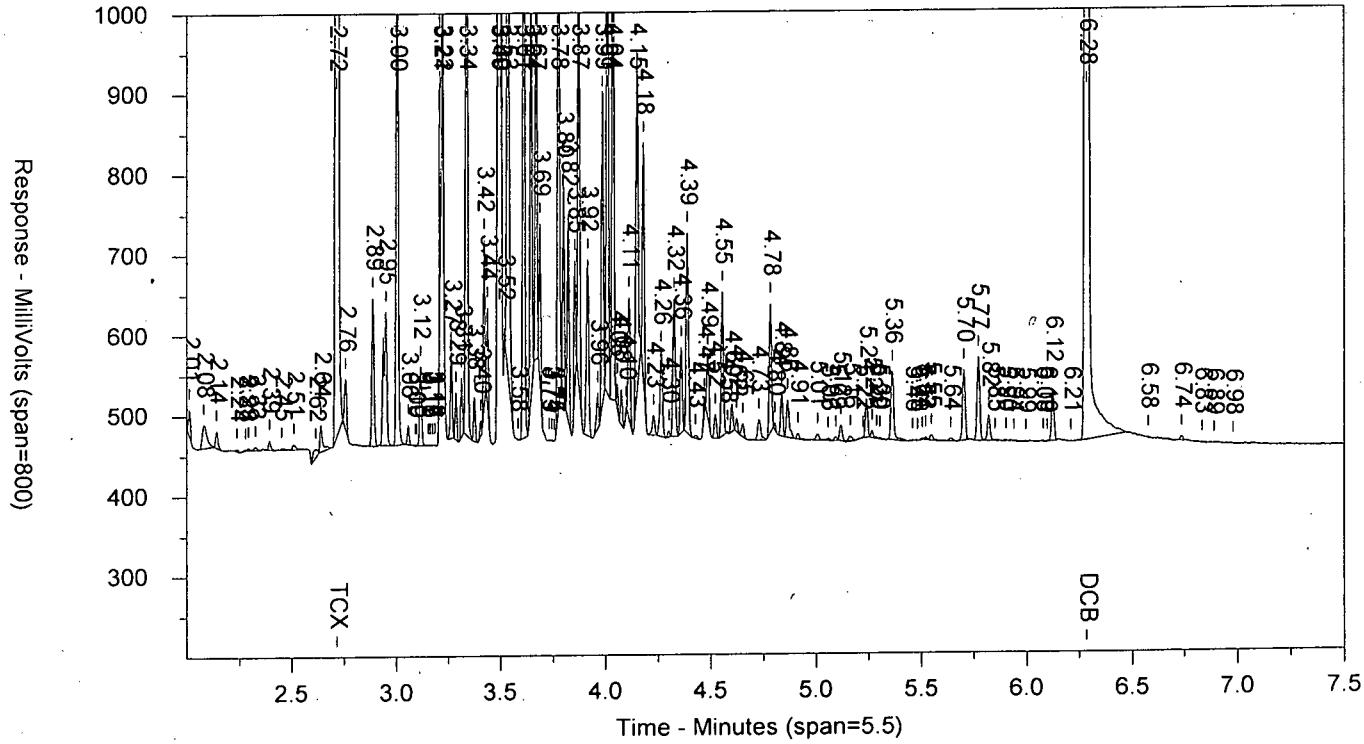

LANCASTER LABORATORIES

Sample Number: AR16XX1724C AAAR16XAA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:42:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.008		320	65
2.015		285	103
2.039		7288	6307
2.066		211	68
2.078		281	139
2.101		1677	1709
2.127		202	32
2.155		8960	17350
2.212		2482	3914
2.262		552	322
2.284		31578	23974
2.326		237	97
2.347		288	67
2.353		285	49
2.376		9823	5870
2.395		11485	6908
2.438		2116	1911
2.461		203	27
2.468		207	42
2.491		5405	4235
2.52		110	13
2.529		203	52
2.557		772	514
2.598		122	33
2.614		477	297
2.632		9243	6584
2.673		226	54
2.685		376	80
2.691		325	60
2.697		306	64
2.719		1238	978
2.738		1094	675
2.767		196	28
2.781		304	154
2.79		278	113
2.816		51	31
2.838		14858	12658
2.873		422	246
2.896		2266	1415
2.934		138	16
2.938		168	31
2.947		224	98
2.962		202	36
2.994	TCX	6962593	4438340
3.067		428	73
3.096		1790	971
3.146		108442	95728
3.202		128218	133554
3.251		519790	371416
3.31		149	20
3.327		10960	5818
3.345		69431	43668
3.367		257	35
3.385		1607	1038

RT A	Compound A	Height A	Area A
3.411		198	52
3.416		232	82
3.431		347	148
3.468		532024	323217
3.485		251553	136498
3.522		66783	38565
3.538		22865	9512
3.554		35427	19358
3.584		646804	472976
3.62		2533	1178
3.641		12761	7653
3.659		22900	13591
3.695		134363	78001
3.71		71761	36116
3.755		314072	169079
3.767		604396	317278
3.805		680898	538019
3.867		571398	459403
3.908		52619	34440
3.934		392088	287169
3.961		298288	252007
3.984		88058	49496
4.062		455480	328106
4.086		158390	108789
4.118		183355	135025
4.154		436591	452947
4.195		148922	121687
4.241		17434	12229
4.281		25810	23478
4.316		152683	112754
4.337		130090	83631
4.362		117206	88045
4.427		4437	4683
4.469		38341	33490
4.491		4447	2604
4.508		1029	778
4.541		184	100
4.557		317	45
4.563		341	71
4.568		699	419
4.611		5524	7182
4.638		307	69
4.671		7024	6651
4.7		333	180
4.732		1974	1772
4.76		400	132
4.779		324	195
4.796		179	88
4.806		160	21
4.821		1786	1506
4.844		285	60
4.856		925	615
4.887		173	31
4.892		219	31
4.901		674	700
4.92		347	47
4.926		208	40
4.938		350	66
4.955		1452	1361
4.984		27860	26559
5.019		307	38
5.038		268	46
5.044		164	32
5.061		276	205
5.081		758	387
5.107		3951	4248

RT A	Compound A	Height A	Area A
5.154		1054	851
5.171		2286	1639
5.2		252	37
5.226		44988	44502
5.27		1831	1349
5.311		4479	5791
5.354		297	125
5.375		472	343
5.389		302	69
5.404		428	67
5.412		187	59
5.419		301	67
5.427		613	402
5.482		689	1603
5.497		660	368
5.514		556	318
5.528		89	33
5.555		1120	804
5.578		2321	3557
5.635		40146	43568
5.685		124	27
5.709		317	185
5.757		70946	74227
5.798		327	103
5.815		239	52
5.829		254	85
5.846		274	138
5.856		183	29
5.874		91	27
5.878		199	30
5.892		442	322
5.913		269	63
5.942		4997	6329
5.969		269	61
5.982		1432	1329
6.015		231	60
6.023		299	45
6.031		348	80
6.038		227	92
6.051		346	56
6.064		241	65
6.071		171	25
6.083		157	93
6.09		298	61
6.096		403	167
6.127		72780	73482
6.156		328	52
6.191		75264	65896
6.212		6199	3927
6.282		372	465
6.291		341	128
6.303		289	94
6.316		254	178
6.35		50	44
6.357		324	52
6.368		425	220
6.374		106	17
6.382		254	53
6.393		297	74
6.404		202	72
6.415		264	73
6.421		281	43
6.436		1087	1042
6.466		261	98
6.478		325	61
6.498		2423	2409

RT A	Compound A	Height A	Area A
6.521		211	41
6.528		343	64
6.534		424	137
6.543		330	97
6.569		45805	49353
6.611		163	50
6.62		200	39
6.627		356	64
6.634		242	57
6.648		194	44
6.656		235	60
6.667		501	170
6.676		352	84
6.684		252	75
6.717	DCB	3872883	4251617
6.824		854	283
6.833		1145	530
6.912		605	202
6.934		492	237
6.965		317	41
6.988		414	88

LANCASTER LABORATORIES

Sample Number: AR16XX1724C AAAR16XAA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:42:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		44260	30338
2.083		17683	29898
2.143		22453	16388
2.205		2012	1665
2.238		4080	3210
2.278		4710	9479
2.322		3776	4263
2.394		17386	51958
2.483		7000	13878
2.51		2729	3450
2.616		6772	10454
2.641		24451	16910
2.67		3000	1570
2.716	TCX	11570320	7109995
2.759		77936	54355
2.889		219698	154970
2.95		206974	222513
3.003		903596	580968
3.056		26228	15872
3.079		536	75
3.087		861	352
3.097		611	75
3.116		123840	80917
3.143		1044	358
3.158		489	64
3.177		2317	1420
3.213		756447	384342
3.225		246430	94686
3.266		136822	86242
3.288		72282	41687
3.315		90273	50665
3.338		1021455	711020
3.375		44811	26382
3.405		21325	9798
3.422		265965	142635
3.438		150307	75965
3.489		540591	262432
3.499		1126572	498280
3.519		42254	14988
3.533		1033170	711928
3.61		1063539	694269
3.644		670138	425661
3.668		766066	434336
3.687		246172	131153
3.74		633	1135
3.744		1109	320
3.775		859504	603680
3.799		324098	186681
3.821		315081	201783
3.853		191945	105352
3.872		699031	451201
3.915		263555	199883
3.962		32457	26567
3.986		184370	119612

RT B	Compound B	Height B	Area B
4.009		405976	273600
4.035		195001	126239
4.056		29117	15725
4.076		16722	10056
4.112		16343	10452
4.15		22546	13431
4.165		20965	9924
4.179		8890	3819
4.22		5833	11074
4.278		2909	2131
4.299		10886	7803
4.326		2127	1570
4.364		1262	875
4.384		3420	2508
4.466		1165	751
4.486		5268	4703
4.523		2893	2730
4.556		2734	1957
4.599		46944	43433
4.653		959	478
4.693		1577	448
4.729		4178	3184
4.751		4574	3224
4.786		9530	19026
4.837		64568	48622
4.867		3335	3148
4.913		3695	3918
4.932		1276	1386
4.974		1032	411
5.01		1903	1336
5.032		1565	1320
5.091		4756	4158
5.118		3470	2885
5.161		7823	7940
5.205		1556	965
5.239		52519	43532
5.287		2460	2342
5.323		1671	1417
5.361		96650	87056
5.483		801	875
5.501		3498	7042
5.551		8515	12767
5.618		617	239
5.653		1211	593
5.702		99401	89029
5.74		947	362
5.769		120270	106569
5.819		34713	32067
5.922		1531	742
6.002		1580	2141
6.032		758	307
6.076		2137	2763
6.122		70744	60775
6.152		1981	1492
6.174		2148	2320
6.253		442	780
6.282	DCB	5735445	5316044
6.468		1833	455
6.597		987	1791
6.708		995	285
6.733		6163	6675
6.821		1291	546
6.906		1149	956
6.977		1022	1742

AR16XX1724C AAAR16XAA ICAL 184699999 10227 SW-846 8082

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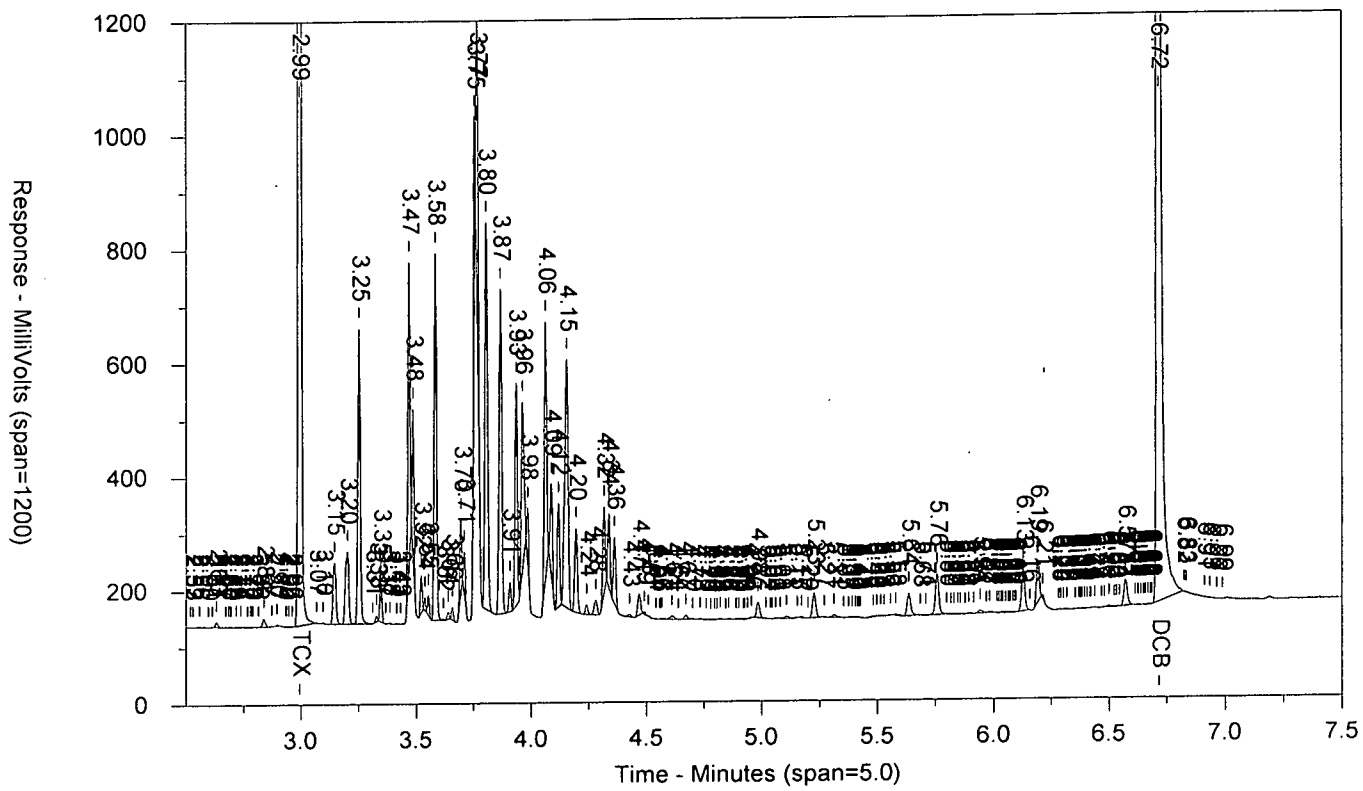

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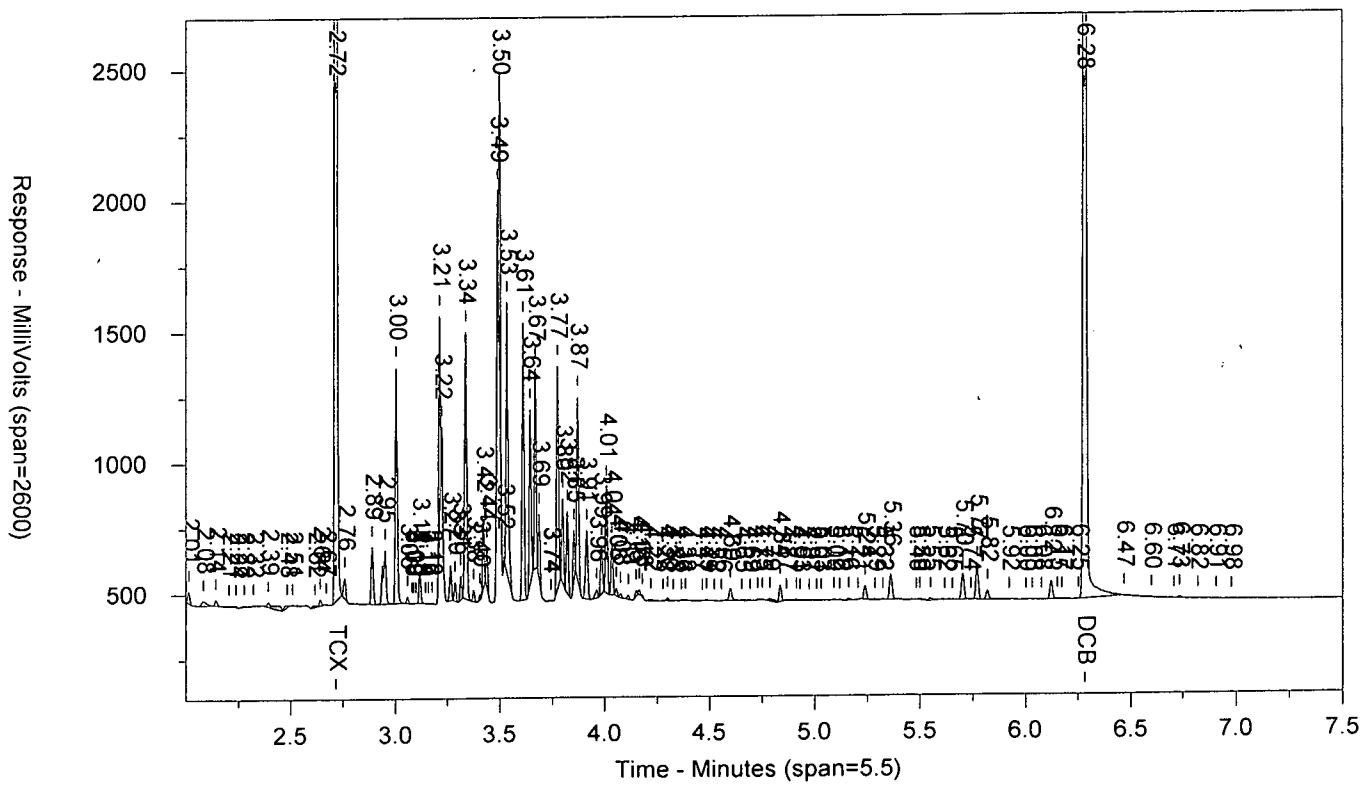

LANCASTER LABORATORIES

Sample Number: AR16XX1724C AAAR16XAA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:42:06 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.994	6962593	45.263	TCX	2.716	11570320	43.827	TCX
6.717	3872883	41.049	DCB	6.282	5735445	39.872	DCB

Files:
Area File: 25pcbs18047001.030.RAW
Area File: 25pcbs18047001B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 7:50:37 PM
File Reported On: 2/16/2018 at 7:50:50 PM

AR16XX1724C AAAR16XAA ICAL 184699999 10227 SW-846 8082

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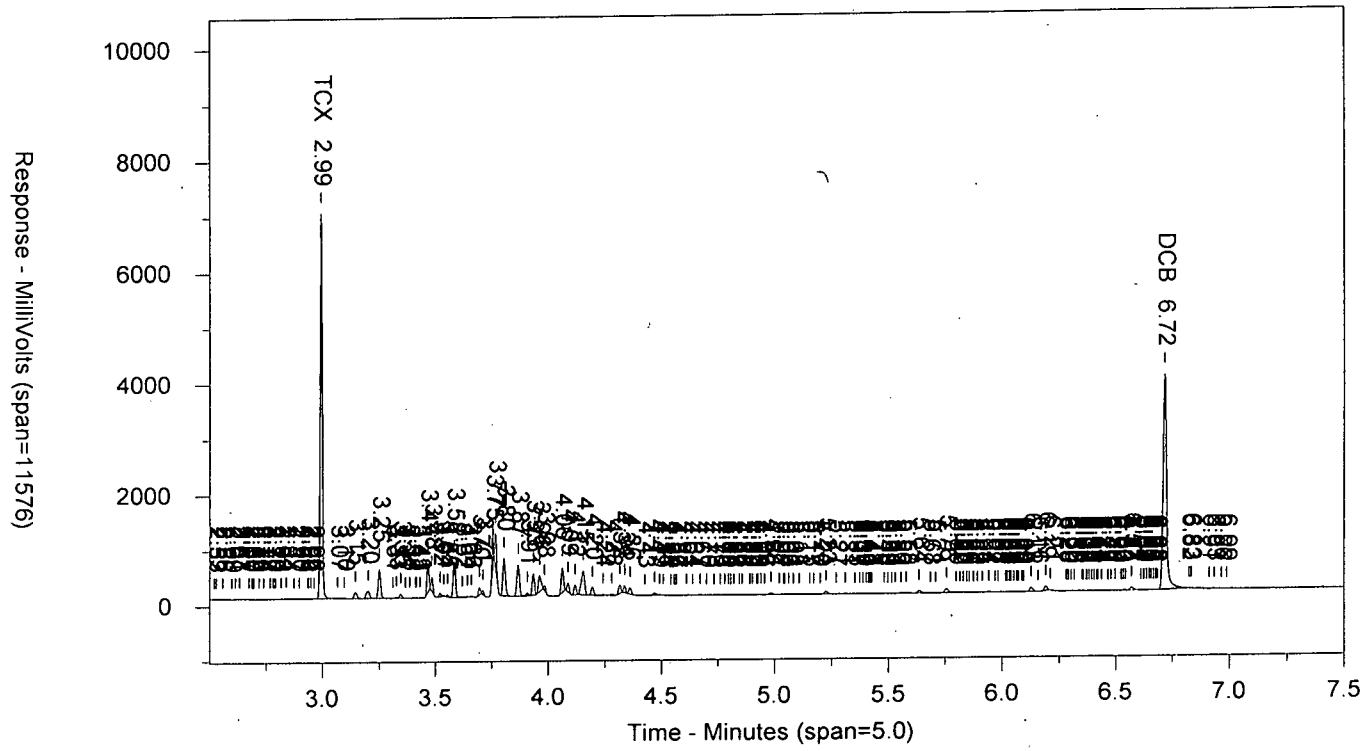

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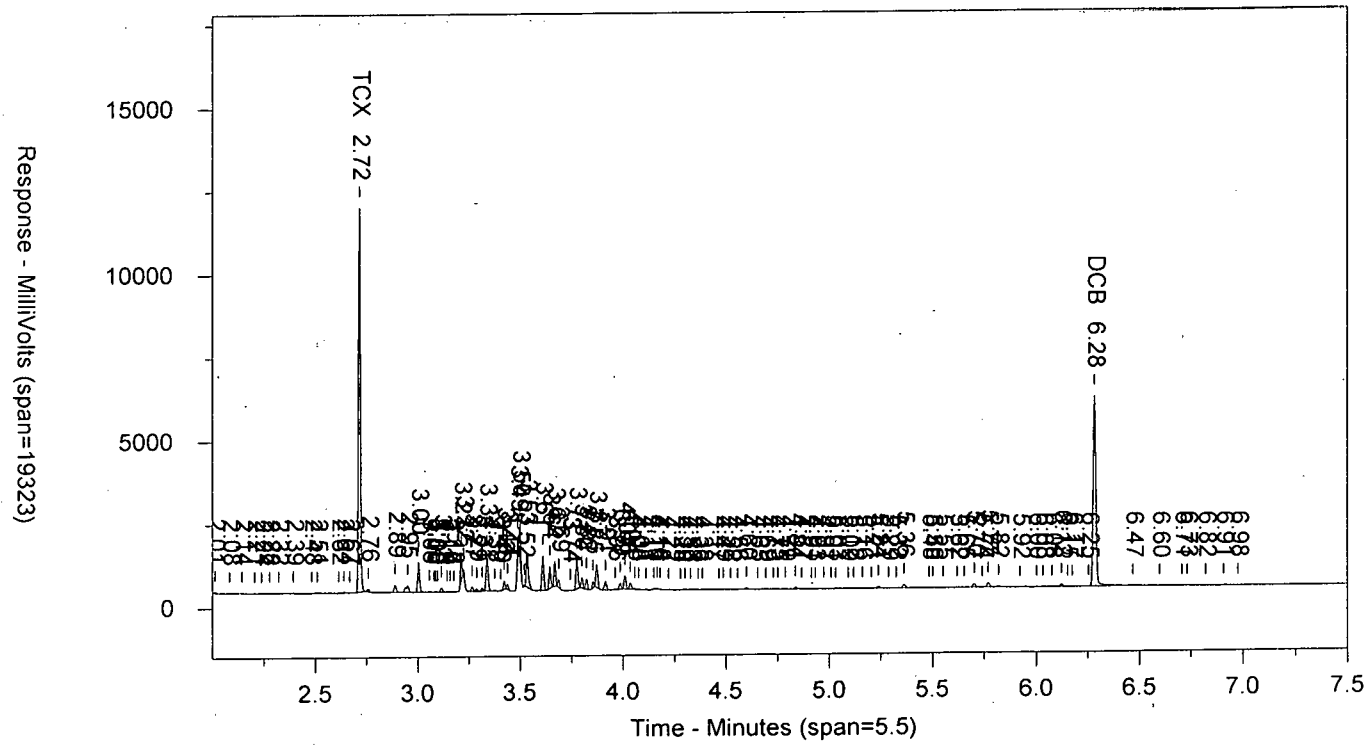

AR16XX1724C AAAR16XAA ICAL 184699999 10227 SW-846 8082

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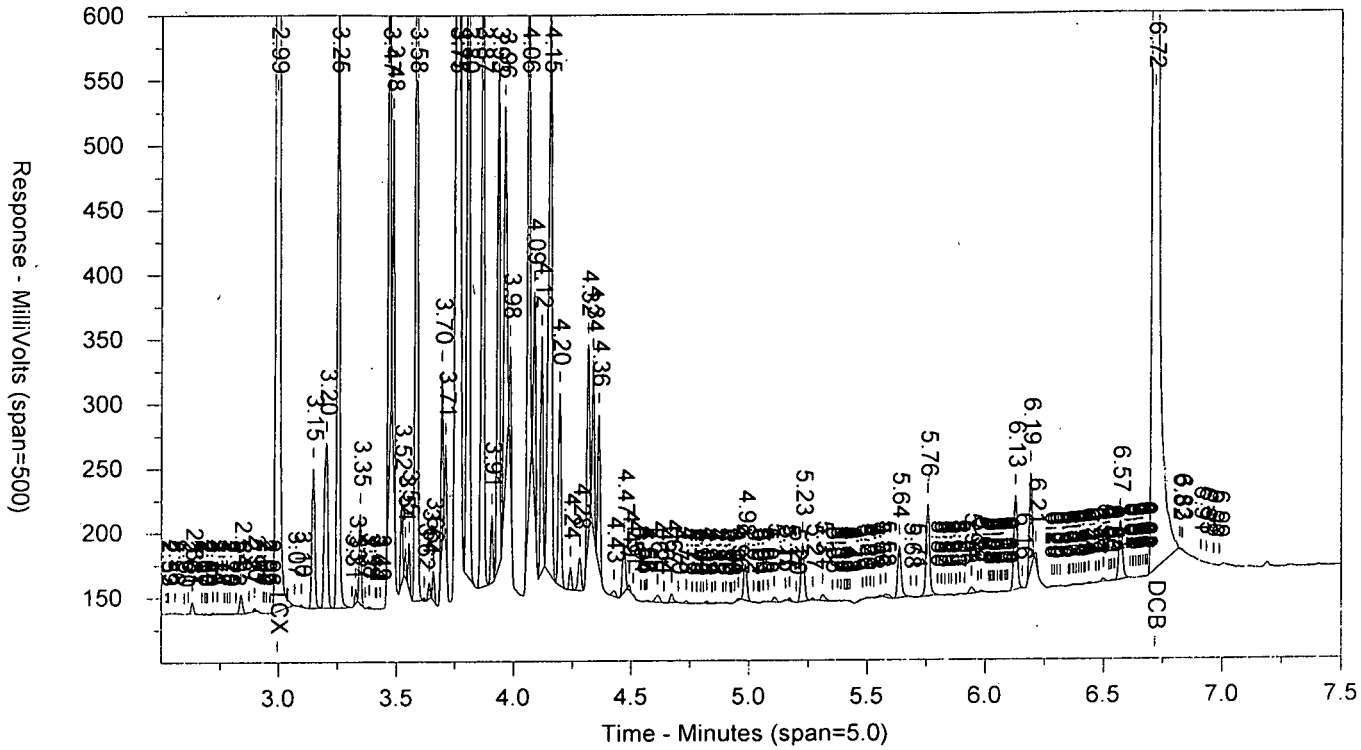

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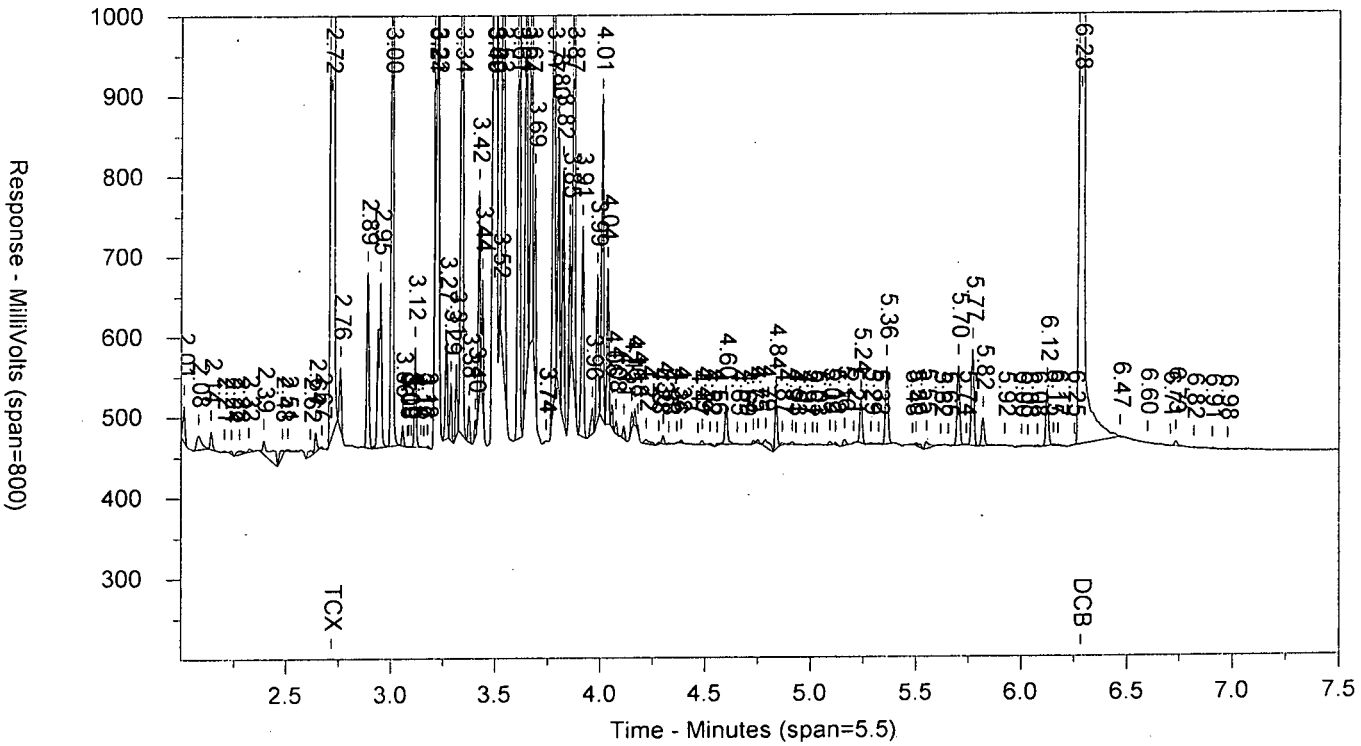

LANCASTER LABORATORIES

Sample Number: MD16X1724C AAMD16XAA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:53:48 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.007		268	80
2.014		275	75
2.022		159	41
2.04		9698	8566
2.085		301	347
2.096		235	84
2.108		359	71
2.126		102	21
2.13		170	32
2.157		11577	20276
2.205		631	353
2.217		376	415
2.254		179	23
2.263		593	420
2.287		84	22
2.298		149	23
2.304		640	281
2.328		282	95
2.34		325	102
2.357		279	119
2.377		18288	11871
2.394		352	40
2.402		354	145
2.415		316	51
2.424		158	31
2.439		1613	1683
2.459		253	86
2.493		6595	5270
2.518		267	47
2.528		444	243
2.546		182	61
2.554		631	380
2.57		254	44
2.589		249	39
2.614		244	81
2.634		1226	961
2.66		136	43
2.678		162	29
2.69		658	414
2.705		403	87
2.711		259	40
2.72		473	293
2.743		282	182
2.753		144	65
2.769		291	61
2.782		171	24
2.8		395	129
2.81		161	71
2.815		155	26
2.84		32005	30394
2.898		4123	3536
2.937		128	27
2.946		200	45
2.969		231	76

RT A	Compound A	Height A	Area A
2.995	TCX	67532	45320
3.016		375	264
3.041		252	46
3.061		1078	663
3.087		412	301
3.097		211	60
3.115		208	62
3.146		3400	3187
3.175		260	50
3.205		3843	3360
3.234		296	73
3.254		18077	16150
3.297		355	102
3.328		137	76
3.348		1826	1370
3.374		335	136
3.39		252	82
3.398		207	38
3.404		172	41
3.417		217	35
3.43		393	86
3.439		280	86
3.455		148	22
3.47		18659	11432
3.488		8674	4638
3.525		1904	1063
3.542		996	399
3.56		903	546
3.588		18321	12355
3.607		1933	1153
3.632		267	36
3.643		278	76
3.655		167	46
3.664		1133	662
3.676		217	33
3.682		301	58
3.699		4118	2330
3.714		2500	1330
3.744		1629	1056
3.759		9097	5128
3.77		15955	8396
3.808		21465	16040
3.832		324	105
3.85		111	29
3.87		17620	13595
3.893		232	30
3.909		1094	700
3.937		17790	14672
3.966		9870	8777
3.988		2240	1111
4.012		265	47
4.036		83	19
4.065		15202	10490
4.09		5039	3409
4.121		5304	3981
4.158		13729	14620
4.2		4018	3243
4.223		171	68
4.237		168	51
4.267		2072	1878
4.277		1942	1174
4.321		13960	10166
4.341		2998	1685
4.365		2677	1832
4.389		817	536
4.412		206	48

RT A	Compound A	Height A	Area A
4.418		228	42
4.433		1671	1474
4.456		190	32
4.478		14559	13190
4.511		694	492
4.538		225	83
4.546		219	32
4.552		286	77
4.572		217	70
4.614		10945	14813
4.657		205	36
4.673		1589	929
4.69		3416	2513
4.737		8202	7252
4.783		12783	14237
4.821		2785	2140
4.841		132	13
4.861		27978	27912
4.903		554	330
4.922		354	60
4.964		11774	20008
5.013		4140	3559
5.041		317	48
5.065		22170	18614
5.082		2502	1386
5.116		6957	6248
5.158		14442	16960
5.223		282	224
5.235		1575	1239
5.273		31007	30207
5.298		327	116
5.315		5475	4097
5.335		13582	10946
5.379		10937	10995
5.415		296	34
5.425		261	68
5.435		235	36
5.447		154	34
5.481		1131	1886
5.5		19824	19254
5.54		135	29
5.559		10973	10592
5.598		4443	3875
5.618		225	40
5.643		13361	17155
5.682		4917	4620
5.713		263	34
5.738		45541	58809
5.811		283	98
5.822		497	121
5.829		146	20
5.84		256	79
5.852		453	69
5.861		252	92
5.866		208	33
5.883		321	146
5.893		398	139
5.901		302	47
5.911		450	111
5.944		40328	44579
5.987		843	694
5.998		3827	2458
6.054		178	36
6.065		222	78
6.079		220	84
6.094		272	63

RT A	Compound A	Height A	Area A
6.116		197	84
6.131		1235	1068
6.158		372	166
6.163		361	149
6.174		172	31
6.196		763	708
6.228		11379	19699
6.281		215	23
6.286		238	54
6.295		139	45
6.304		236	52
6.31		208	41
6.328		267	235
6.346		288	134
6.372		12938	13995
6.41		200	27
6.417		629	257
6.445		171	33
6.453		175	53
6.467		355	102
6.5		9562	13627
6.541		308	52
6.55		174	48
6.556		207	52
6.574		3854	3515
6.594		240	29
6.612		210	77
6.629		155	83
6.638		266	56
6.647		282	70
6.652		238	29
6.658		195	53
6.667		288	50
6.674		228	54
6.684		160	51
6.723	DCB	47483	48320
6.754		4391	4920
6.787		265	40
6.803		350	152
6.817		284	82
6.822		163	25
6.828		159	33
6.841		228	69
6.848		265	34
6.863		195	21
6.868		361	117
6.884		500	203
6.894		429	115
6.9		202	43
6.908		434	210
6.92		249	32
6.928		414	152
6.936		130	29
6.941		522	92
6.948		251	46
6.952		333	50
6.96		257	41
6.968		416	91
6.978		259	82

LANCASTER LABORATORIES

Sample Number: MD16X1724C AAMD16XAA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:53:48 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.003		9118	2869
2.084		30185	66839
2.201		2687	13286
2.296		3051	11283
2.326		4145	4281
2.468		2229	6438
2.511		2058	2812
2.623		11669	24002
2.641		63429	60872
2.717	TCX	119256	76193
2.758		3000	3003
2.817		2117	3831
2.889		8342	6884
2.951		9582	19868
3.004		30667	20030
3.077		467	113
3.087		1203	555
3.098		504	71
3.105		1051	228
3.116		3950	2229
3.141		593	75
3.152		671	188
3.156		637	249
3.176		432	141
3.215		28262	14426
3.225		8713	3530
3.248		927	248
3.259		587	140
3.267		2758	1507
3.289		3638	2261
3.317		2844	1949
3.339		35063	23550
3.377		2871	1666
3.405		1249	512
3.425		4516	2186
3.437		10042	9486
3.491		19940	9711
3.501		33056	14552
3.521		2251	658
3.536		32707	22550
3.582		1011	250
3.587		602	85
3.597		303	67
3.612		33543	21293
3.646		24379	15285
3.671		28100	16089
3.689		6741	3742
3.739		2411	2911
3.747		1059	182
3.755		710	240
3.778		30416	19949
3.802		10206	5730
3.823		10053	6627
3.855		7130	3837

RT B	Compound B	Height B	Area B
3.874		22368	14094
3.917		10844	35126
4.011		35271	29030
4.039		5801	3763
4.078		21605	20728
4.115		23745	16518
4.151		1968	1108
4.219		8209	24919
4.283		5877	7385
4.305		1491	668
4.327		6493	5634
4.372		5706	3614
4.391		3915	2329
4.403		14686	8379
4.428		8376	8965
4.484		52662	41745
4.527		5635	6773
4.564		3622	3914
4.582		10924	8361
4.626		60467	53345
4.733		46539	47485
4.79		6221	5610
4.826		15441	12938
4.866		61191	58137
4.899		26946	20635
4.94		18927	15979
5.043		6534	7470
5.096		35050	29517
5.121		8541	7970
5.171		24879	28788
5.207		8870	6969
5.236		6390	5512
5.269		1686	1193
5.289		74020	64776
5.364		6374	29436
5.465		1452	5603
5.482		1316	389
5.504		17535	14816
5.549		51612	57585
5.629		1174	1030
5.682		1344	527
5.742		4639	8825
5.771		1952	1609
5.821		10423	8929
5.873		1287	403
5.926		22066	19204
5.956		4364	3057
5.999		4087	7467
6.061		1326	598
6.124		6764	6804
6.192		1845	3029
6.256		1820	5733
6.286	DCB	79462	72421
6.367		830	543
6.443		2183	1462
6.512		1095	4865
6.591		1379	1625
6.619		934	347
6.653		1157	359
6.719		1044	1483
6.73		1141	676
6.768		1714	2295
6.795		1030	2424
6.94		1058	1127

MD16X1724C AAMD16XAA ICAL 184699999 10227 SW-846 808

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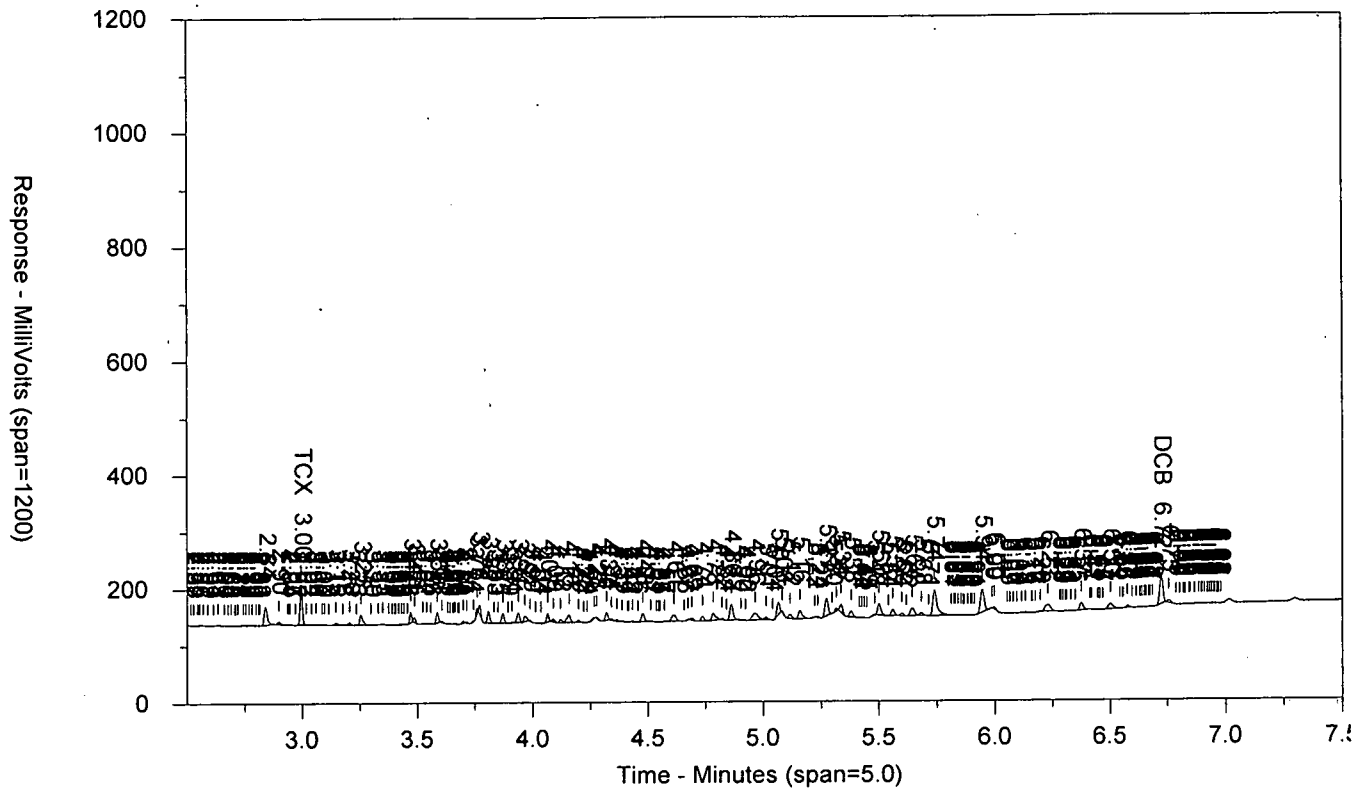

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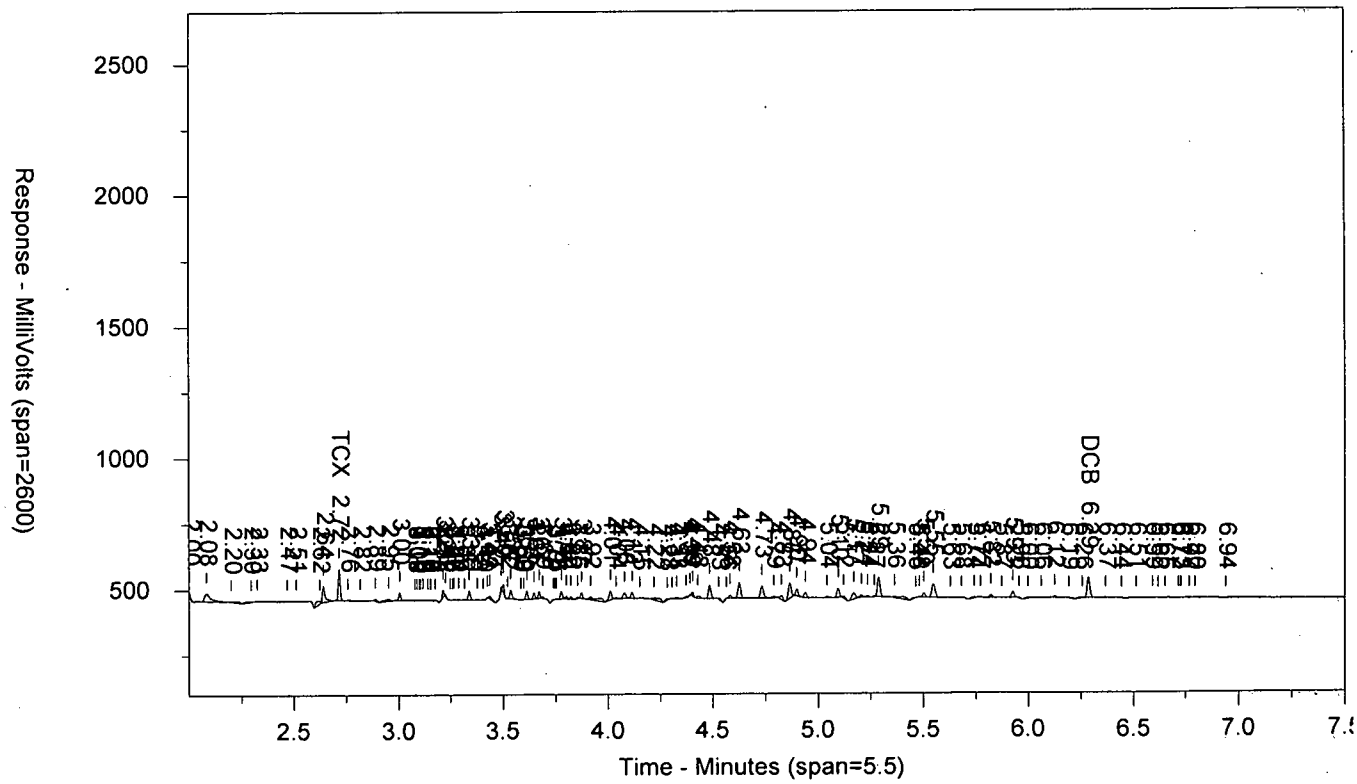

LANCASTER LABORATORIES

Sample Number: MD16X1724C AAMD16XAA ICAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 7:53:48 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.995	67532	.439	TCX	2.717	119256	.452	TCX
6.723	47483	.503	DCB	6.286	79462	.552	DCB

Files:
Area File: 25pcbs18047001.031.RAW
Area File: 25pcbs18047001B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 8:02:20 PM
File Reported On: 3/1/2018 at 2:46:30 PM

MD16X1724C AAMD16XAA ICAL 184699999 10227 SW-846 808

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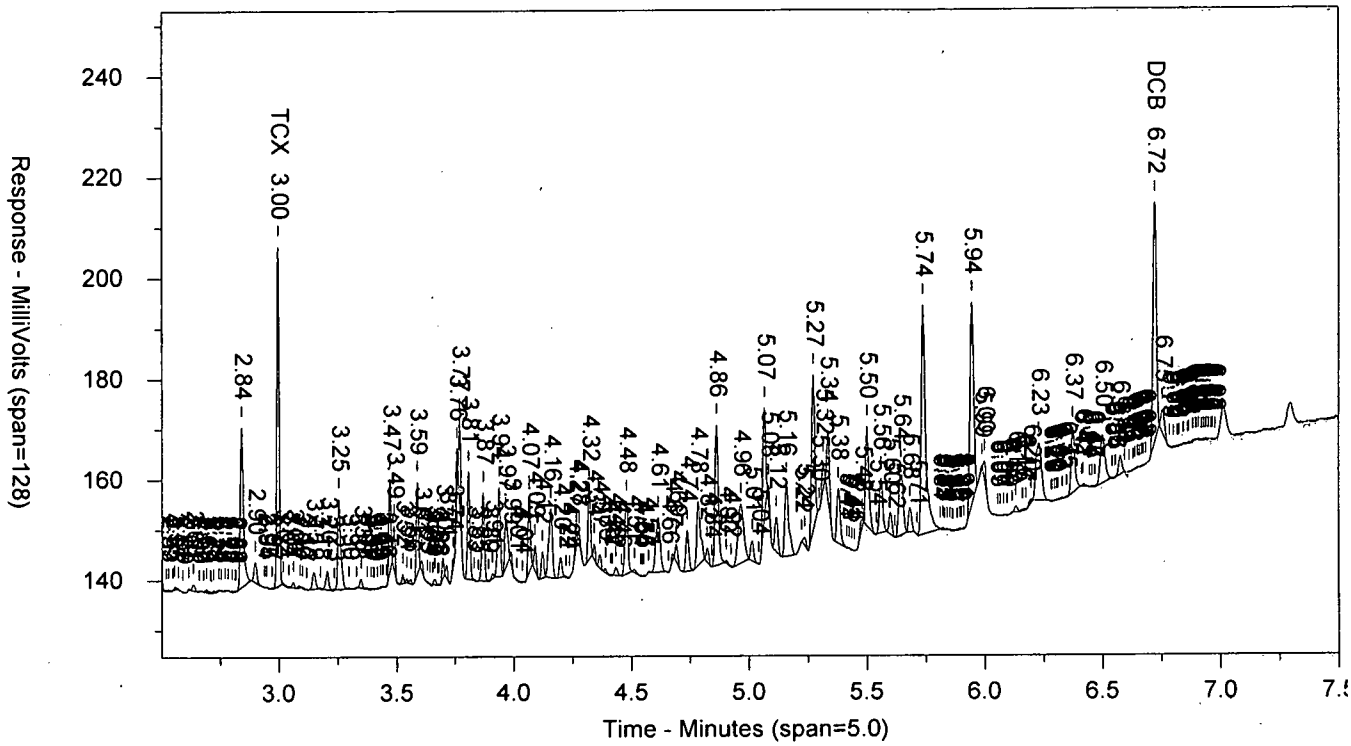

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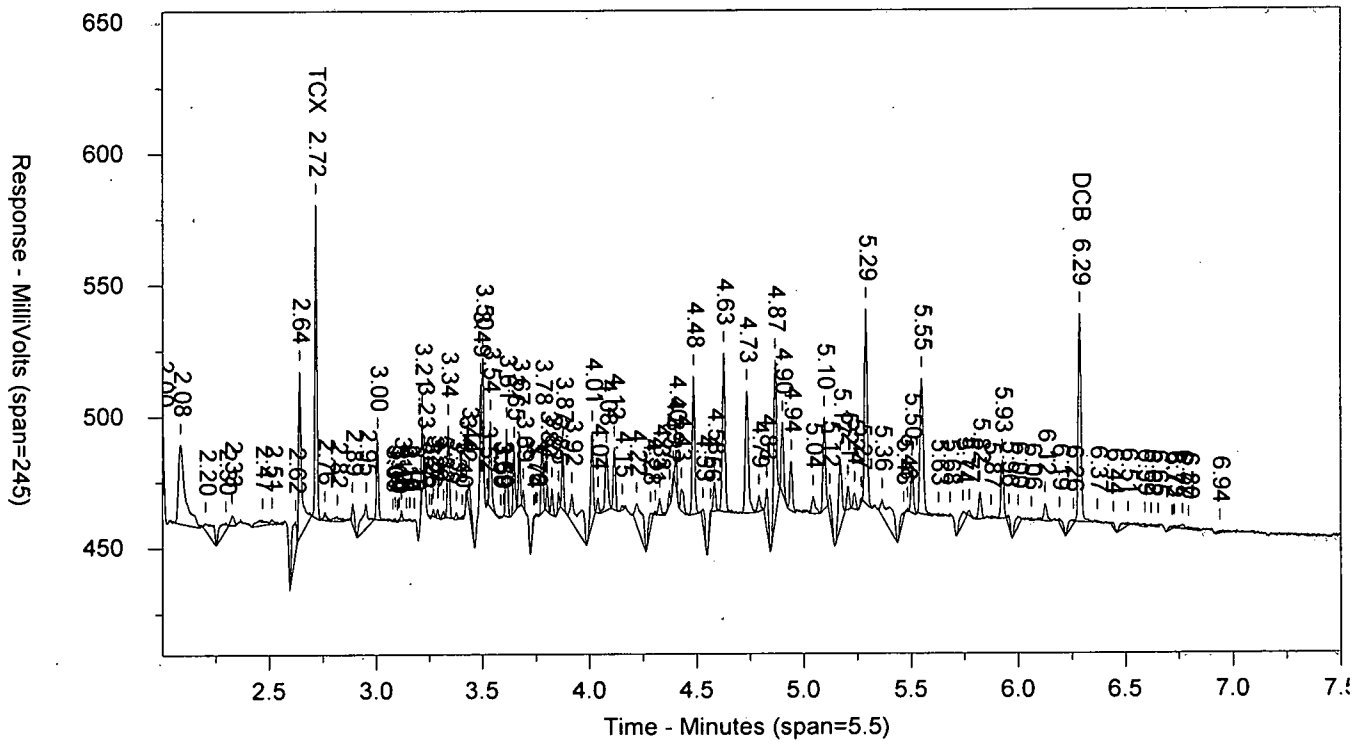

MD16X1724C AAMD16XAA ICAL 184699999 10227 SW-846 808

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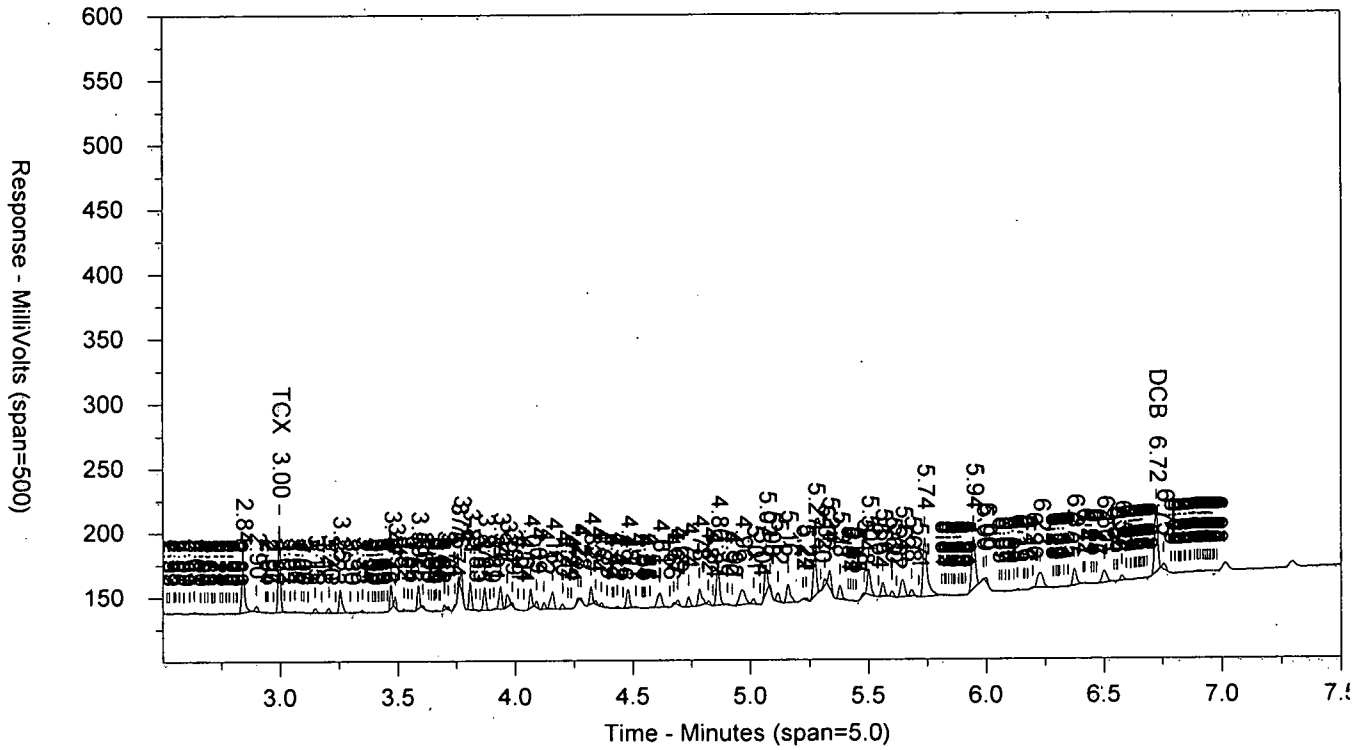

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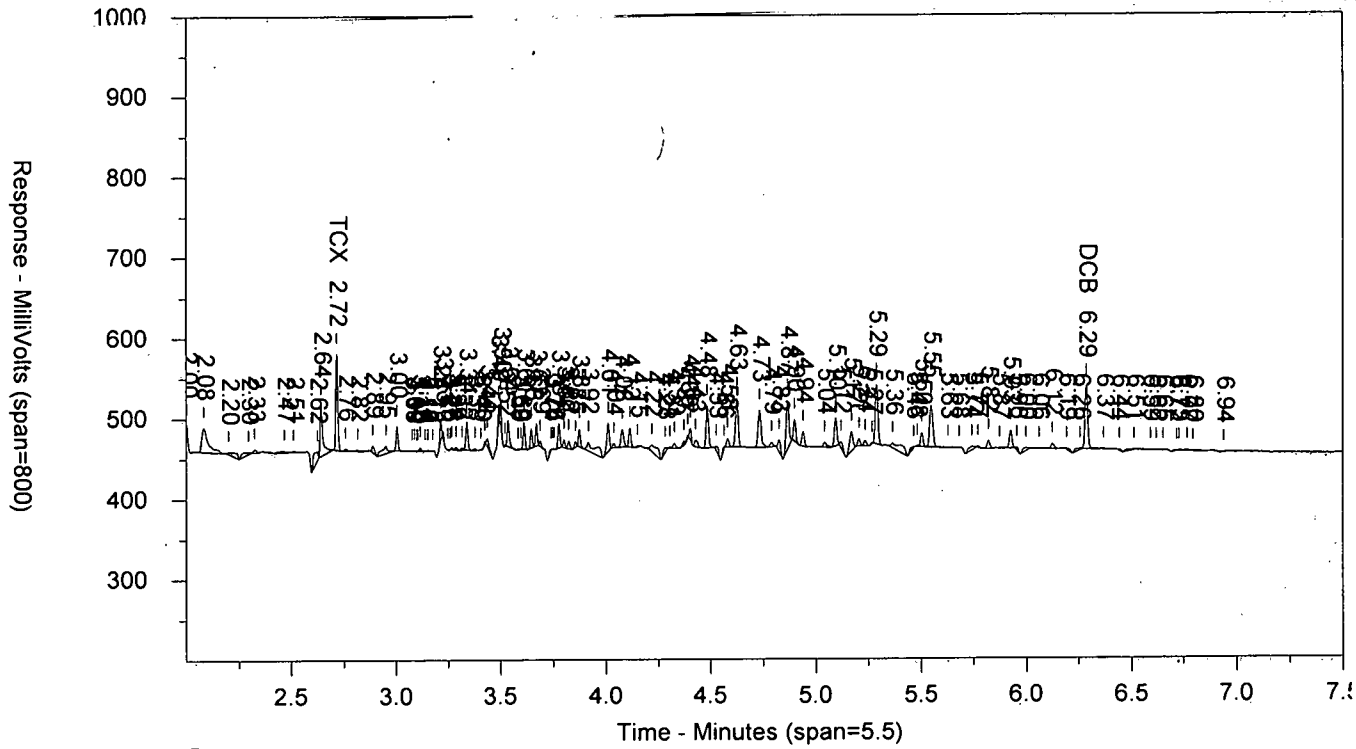

LANCASTER LABORATORIES

Sample Number: IC16X1724D AAIC16XAA CCAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 8:04:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.013		239	59
2.038		8263	6431
2.074		314	313
2.082		326	60
2.095		154	63
2.103		482	167
2.152		12277	20398
2.2		265	178
2.244		227	47
2.262		615	353
2.283		28956	22062
2.34		487	290
2.353		430	192
2.375		14890	8716
2.394		9776	5880
2.417		253	45
2.436		1872	1799
2.471		329	68
2.491		6889	5551
2.516		196	34
2.522		252	77
2.536		231	74
2.541		257	55
2.553		611	264
2.59		306	109
2.611		471	258
2.631		9283	6672
2.659		146	30
2.679		156	36
2.689		439	180
2.709		122	16
2.713		215	34
2.721		436	134
2.74		1357	1028
2.765		229	116
2.782		147	79
2.788		246	59
2.811		184	71
2.838		36714	34196
2.867		326	99
2.895		5741	5739
2.938		171	32
2.946		324	109
2.959		206	74
2.993	TCX	6267131	4035194
3.077		698	330
3.095		1318	557
3.115		284	89
3.144		104898	92877
3.2		124061	124990
3.25		502444	360877
3.306		189	61
3.325		9837	5144
3.344		69105	43892

RT A	Compound A	Height A	Area A
3.384		1996	1507
3.426		461	347
3.466		554482	320726
3.483		265904	141678
3.52		66322	37577
3.536		23399	10347
3.552		33082	18123
3.583		638674	475395
3.617		2237	876
3.639		12194	7321
3.658		29878	18694
3.694		134963	78960
3.709		71242	35140
3.753		340643	185491
3.765		608308	303035
3.803		686089	537210
3.865		593247	460771
3.905		52584	33454
3.932		412641	310052
3.96		307651	273300
3.982		70296	39004
4.033		210	62
4.06		444077	328530
4.085		147364	100137
4.116		174620	124506
4.152		360272	391835
4.194		112130	90334
4.224		944	436
4.242		3994	2715
4.259		3281	1978
4.277		20104	13902
4.315		369205	282521
4.335		50500	26916
4.359		64518	47688
4.428		59872	52719
4.472		425994	395674
4.507		15009	10579
4.547		167	40
4.57		8669	7038
4.612		137963	155018
4.669		43576	30514
4.685		114608	78420
4.731		244710	225510
4.778		417791	480481
4.816		109275	82105
4.856		944156	880844
4.9		20322	16986
4.947		133463	149057
4.981		32431	22386
5.006		154085	137782
5.059		785509	631813
5.076		93676	53763
5.11		218747	200578
5.153		518707	586256
5.193		7609	4246
5.23		122040	150753
5.267		1107780	1049558
5.289		23918	11949
5.306		19557	8369
5.331		578430	517843
5.374		378385	373735
5.473		60829	64889
5.495		643704	594981
5.553		344693	319818
5.593		183981	166468
5.633		100289	106216

RT A	Compound A	Height A	Area A
5.677		217623	224772
5.732		1600250	1983361
5.878		510	556
5.938		895085	933069
5.979		50805	55748
5.991		92775	66456
6.082		781	470
6.126		103507	103984
6.189		54226	44376
6.211		172747	158511
6.297		616	176
6.315		483	232
6.366		419572	459275
6.411		22890	19202
6.458		419	97
6.493		17812	26164
6.531		274	73
6.538		523	129
6.568		204874	224767
6.64		88	60
6.643		357	86
6.652		286	44
6.66		527	255
6.676		273	75
6.715	DCB	3507434	3922410
6.826		1203	1013
6.853		591	234
6.87		503	626
6.908		581	240
6.937		554	313
6.964		339	89
6.972		206	24

LANCASTER LABORATORIES

Sample Number: IC16X1724D AAIC16XAA CCAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 8:04:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.013		34979	23139
2.081		26576	43280
2.143		21738	16407
2.234		5152	5225
2.275		3765	6699
2.325		3825	3865
2.393		12259	9149
2.462		1286	1780
2.511		1958	1542
2.622		9855	17658
2.64		72977	75548
2.716	TCX	10537590	6427613
2.758		75549	52316
2.8		1570	3119
2.888		218341	154773
2.937		66928	32184
2.949		125078	60652
3.003		841928	550833
3.055		24476	14533
3.072		1335	222
3.082		916	155
3.095		568	59
3.115		120479	80287
3.175		9621	10430
3.212		730903	374912
3.224		262254	103510
3.265		132635	84223
3.287		74554	43739
3.313		84428	47576
3.337		1010128	701214
3.374		57023	34310
3.403		18181	8633
3.421		249784	136704
3.437		149148	75090
3.487		556953	285598
3.498		1147773	496393
3.518		48827	16619
3.532		1006388	697757
3.608		1060992	687965
3.642		679361	443744
3.667		818535	469639
3.685		243943	125623
3.733		3018	3776
3.742		1267	553
3.75		431	76
3.773		833011	588408
3.798		302924	177433
3.82		276168	178231
3.852		203112	113092
3.869		505656	327982
3.913		193315	145503
3.961		65462	71440
3.985		49359	29894
4.007		686204	476615

RT B	Compound B	Height B	Area B
4.034		98560	61573
4.054		17058	7890
4.074		104494	71883
4.11		677511	497193
4.147		41866	28184
4.163		52985	33248
4.21		3500	2164
4.229		7289	5630
4.251		89263	96837
4.297		15071	8695
4.322		171535	128380
4.367		189265	117961
4.385		112478	58000
4.398		481503	288331
4.425		276909	296756
4.48		1517009	1246921
4.523		62830	57884
4.553		113715	77799
4.577		332449	242599
4.598		14173	6195
4.621		1705421	1358578
4.729		1432194	1415558
4.785		195004	169407
4.824		380648	340647
4.862		1679139	1440310
4.895		796358	610438
4.935		562801	464335
4.997		3099	2828
5.039		210068	222926
5.091		1127389	912708
5.116		140140	97864
5.166		597576	570603
5.202		292999	230836
5.231		211268	200613
5.264		51319	31788
5.285		2490975	2091836
5.326		56304	42779
5.36		173506	194191
5.452		3577	5394
5.477		27672	17785
5.5		517470	437059
5.545		1654655	1817875
5.663		2245	1439
5.7		110625	97701
5.743		43893	32898
5.769		123878	100908
5.817		324298	285127
5.922		688183	581120
5.952		46134	32697
5.992		11554	31709
6.121		305110	309769
6.241		5608	8749
6.282	DCB	5295536	4897142
6.473		5561	13930
6.594		1047	458
6.705		2132	2680
6.731		5313	4470
6.926		2506	5539

IC16X1724D AAIC16XAA CCAL 184699999 10227 SW-846 8082

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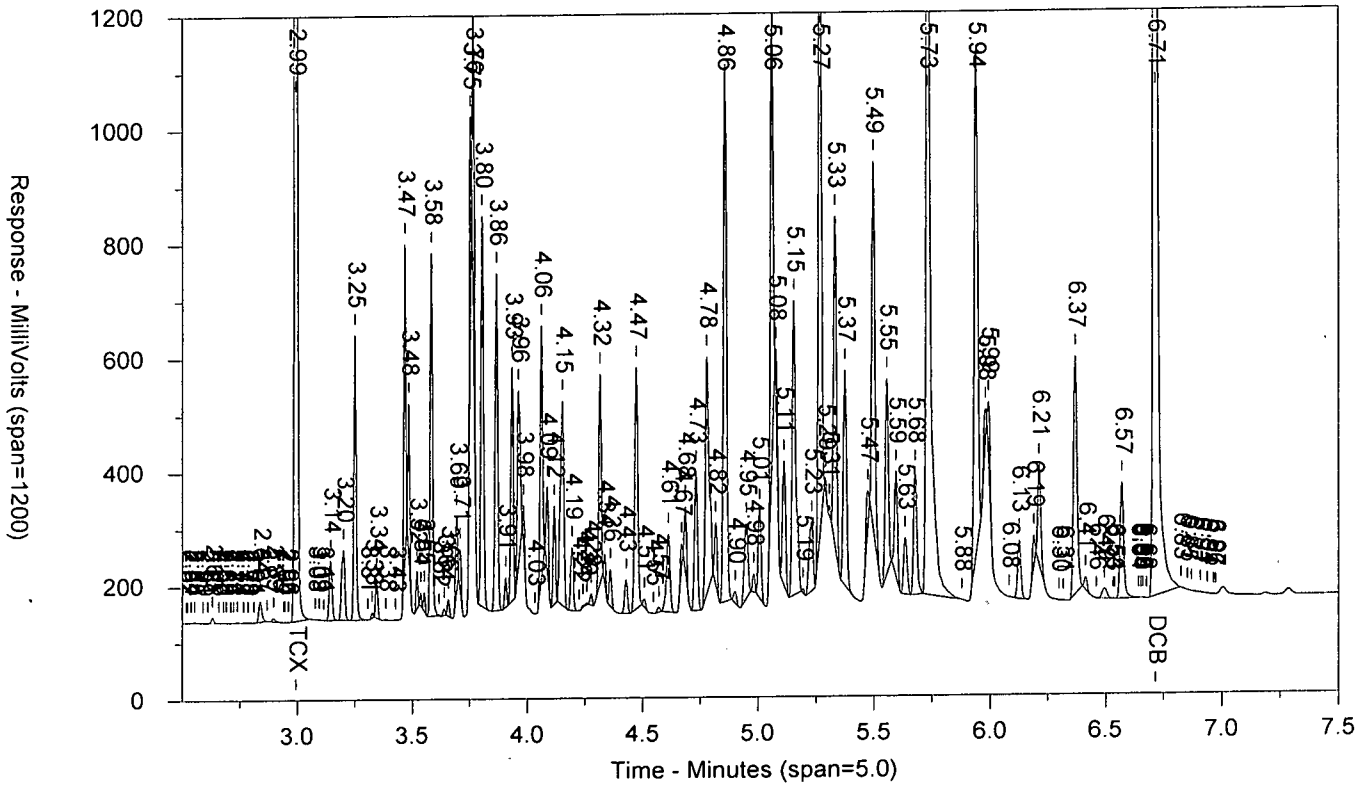

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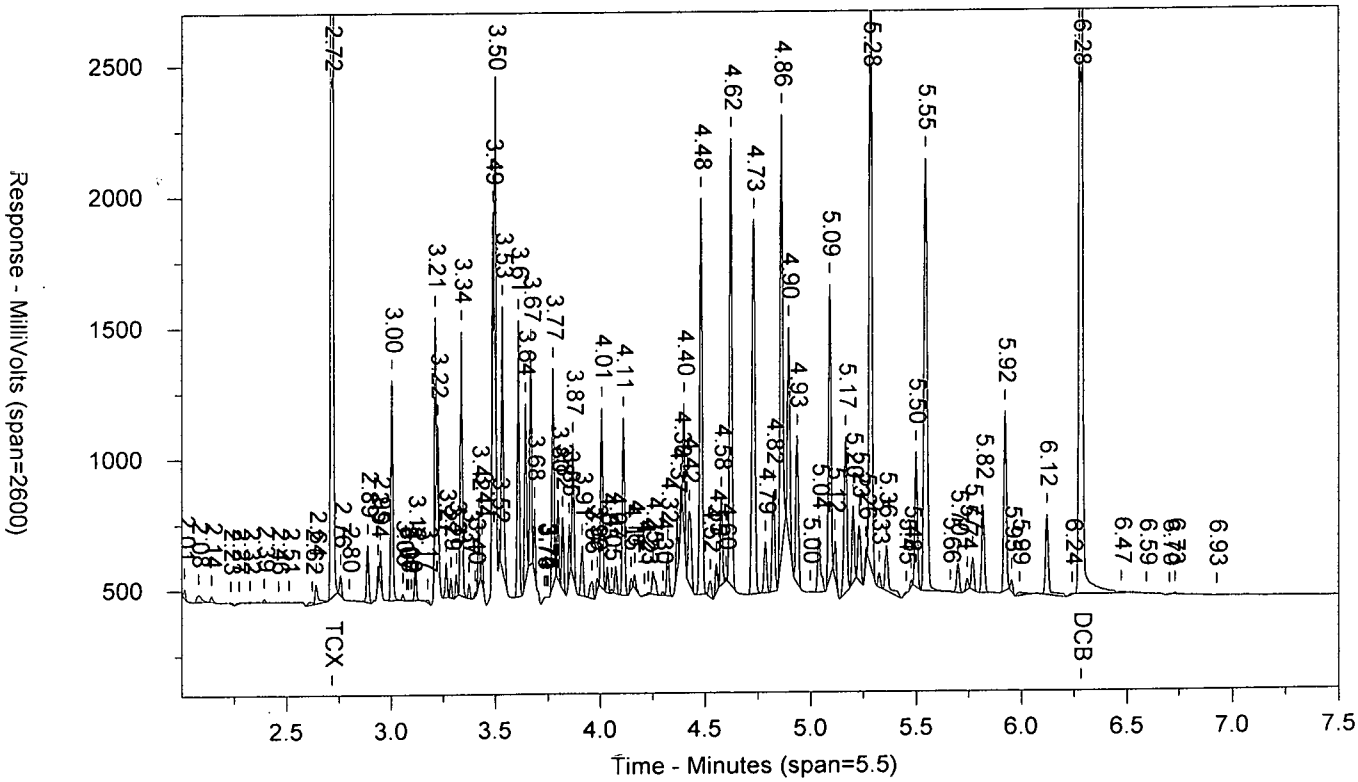

LANCASTER LABORATORIES

Sample Number: IC16X1724D AAIC16XAA CCAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 8:04:50 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	6267131	40.741	TCX	2.716	10537590	39.915	TCX
6.715	3507434	37.175	DCB	6.282	5295536	36.813	DCB

Files:
Area File: 25pcbs18047001.032.RAW
Area File: 25pcbs18047001B.032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 8:13:21 PM
File Reported On: 2/16/2018 at 8:13:30 PM

IC16X1724D AAIC16XAA CCAL 184699999 10227 SW-846 8082

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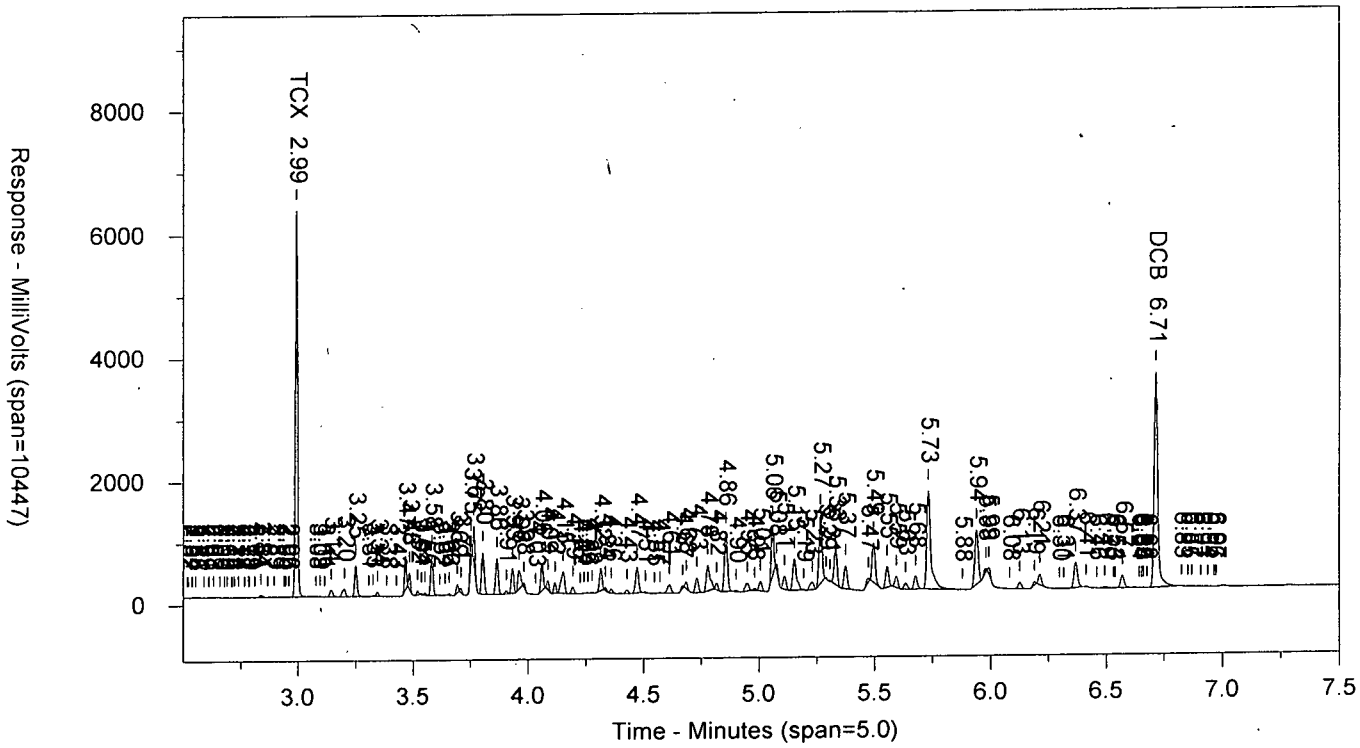

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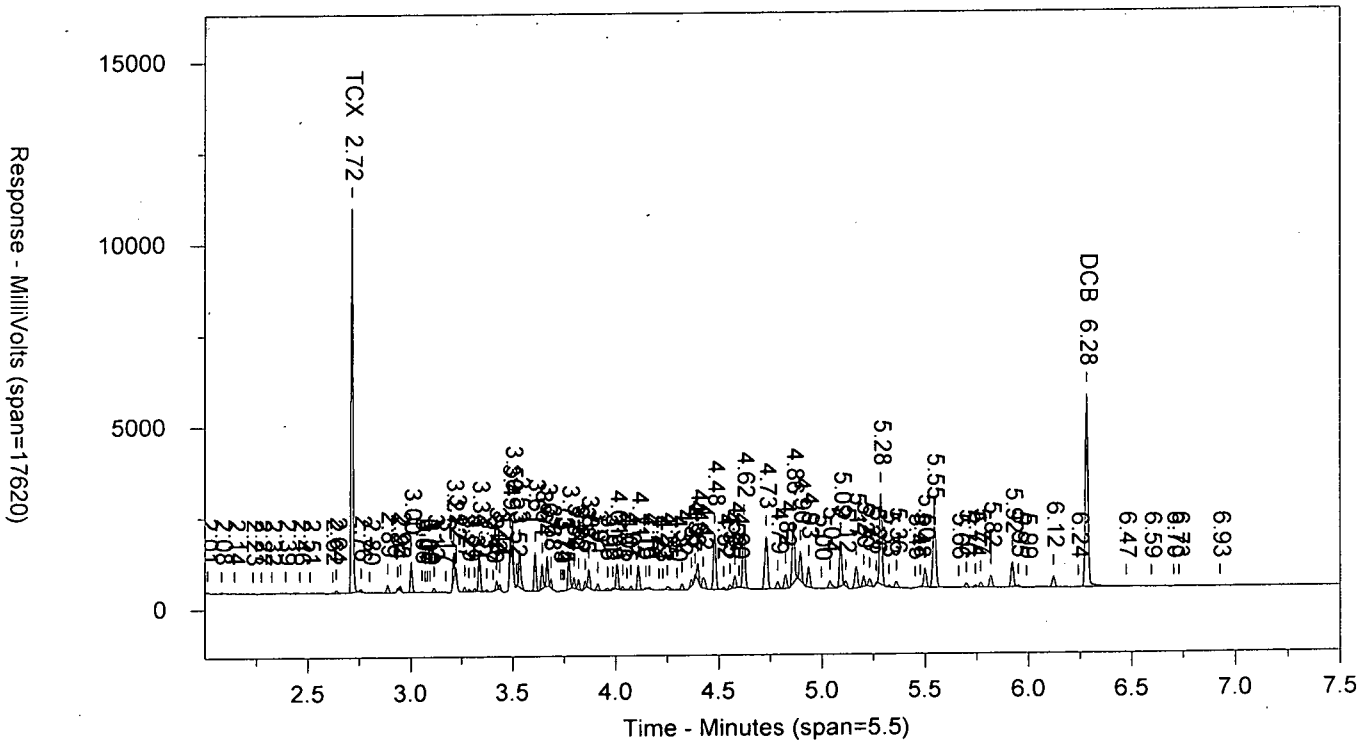

IC16X1724D AAIC16XAA CCAL 184699999 10227 SW-846 8082

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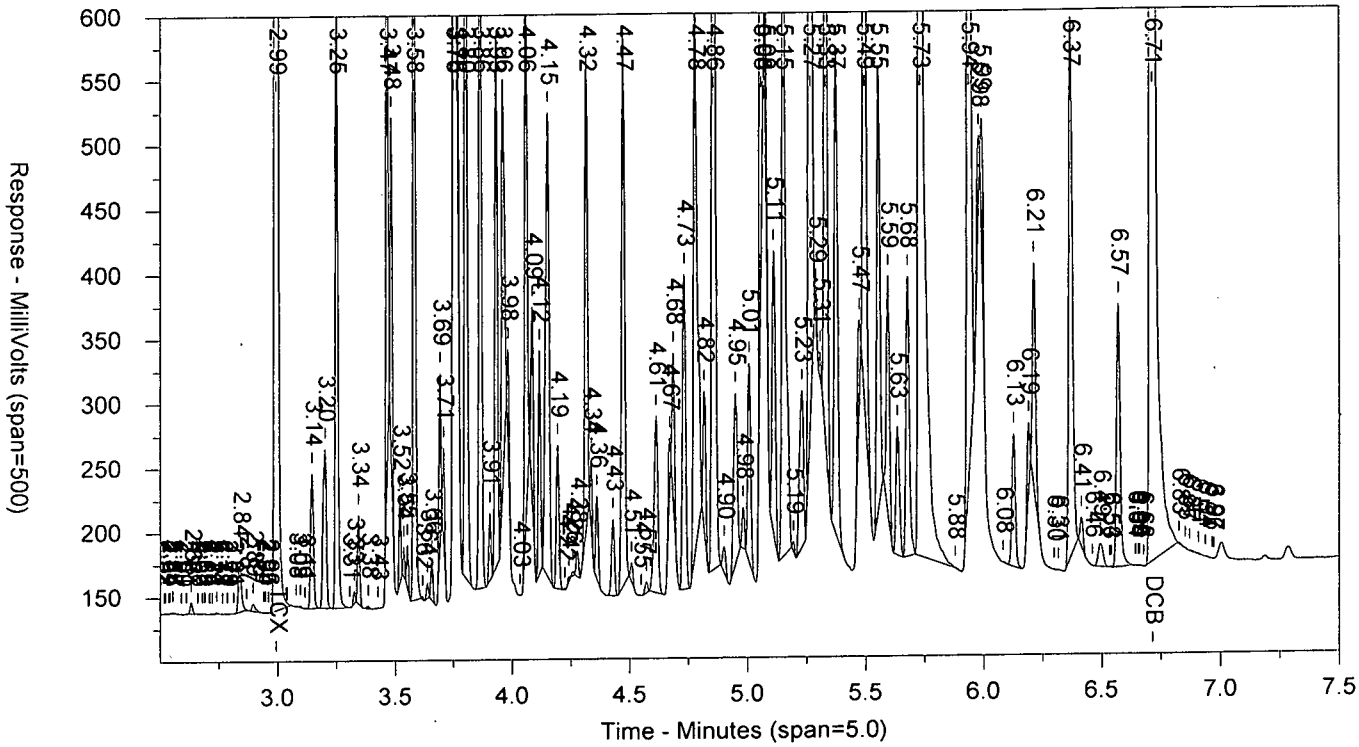

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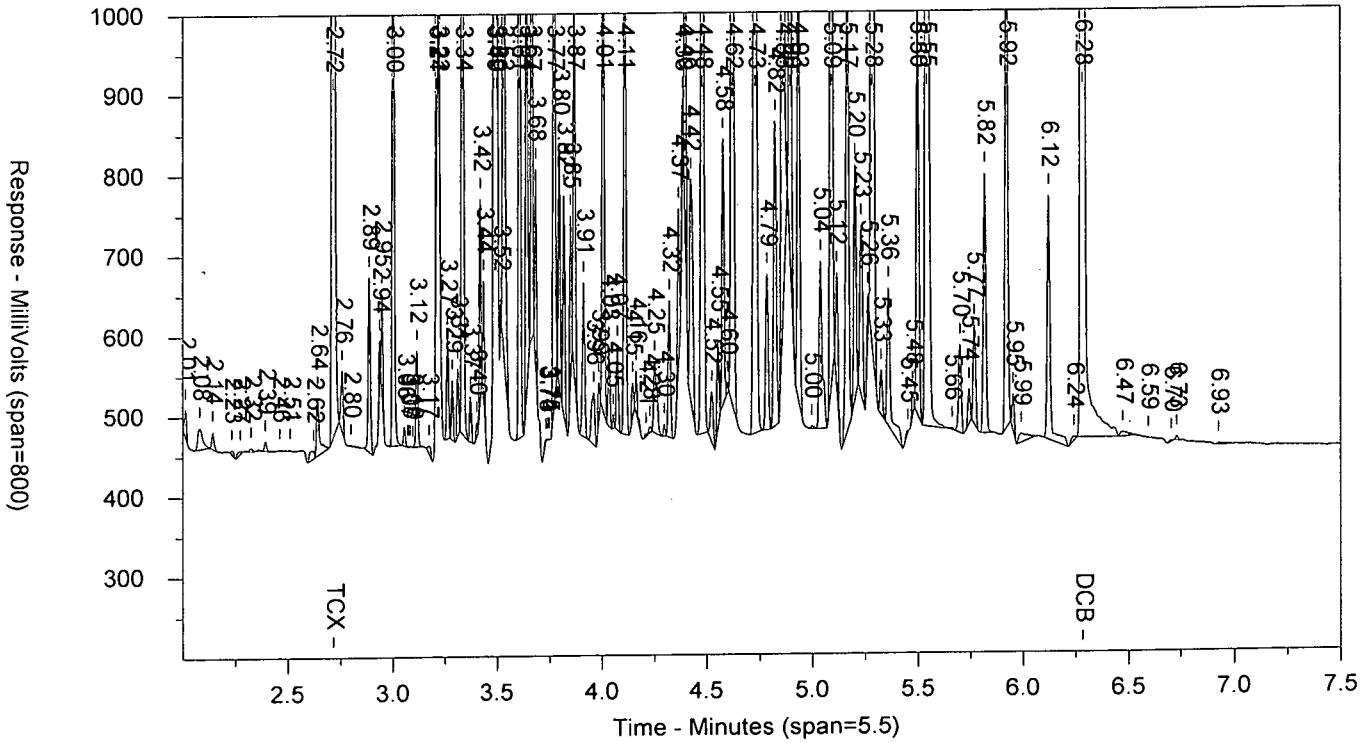

LANCASTER LABORATORIES

Sample Number: IC48X1824A AAIC48XAA CCAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 8:16:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.005		177	28
2.018		272	144
2.021		298	48
2.038		5886	4766
2.071		426	201
2.078		435	99
2.089		331	137
2.101		249	106
2.105		363	137
2.116		288	75
2.123		234	58
2.152		9047	15824
2.204		330	111
2.222		350	265
2.251		244	48
2.269		153	21
2.285		29273	21371
2.321		284	49
2.336		155	15
2.347		137	19
2.376		14209	8736
2.396		9970	6037
2.421		161	17
2.438		1608	1555
2.477		145	27
2.492		4394	3310
2.533		187	56
2.538		377	118
2.554		563	267
2.571		234	35
2.577		270	48
2.585		135	29
2.6		109	23
2.614		480	323
2.635		2429	1705
2.657		218	33
2.665		262	62
2.672		251	75
2.684		121	24
2.69		313	81
2.721		557	340
2.74		221	107
2.766		256	85
2.781		329	89
2.791		190	38
2.803		275	40
2.808		184	52
2.838		29563	27241
2.894		2672	1961
2.946		245	63
2.958		227	37
2.968		211	52
2.994	TCX	6204397	4004442
3.057		634	254

RT A	Compound A	Height A	Area A
3.077		182	70
3.095		1185	659
3.115		365	119
3.126		285	58
3.146		31225	28019
3.194		80789	60705
3.251		88926	62891
3.292		237	38
3.297		315	46
3.326		11044	6357
3.345		17516	10696
3.383		573	607
3.407		262	49
3.422		103	61
3.429		408	172
3.448		282	64
3.467		262217	160722
3.484		86893	44452
3.522		18306	10077
3.538		11675	5919
3.554		1917	867
3.584		252885	187755
3.617		472	145
3.641		10584	6270
3.659		27420	17338
3.695		48523	28033
3.71		14650	7088
3.755		217932	123569
3.766		210928	116981
3.805		324338	269338
3.866		314876	252430
3.907		52061	35448
3.934		563298	408177
3.962		359296	293436
3.984		120565	63464
4.062		620270	463369
4.087		188486	123180
4.118		229339	174122
4.153		526162	511156
4.195		181566	148211
4.225		1176	414
4.242		17704	12263
4.281		54168	46861
4.316		452504	315411
4.337		543280	357055
4.361		622700	453915
4.43		57844	53376
4.47		530096	461906
4.492		137957	75656
4.509		86319	50680
4.551		8245	5454
4.574		32336	24478
4.595		272	72
4.617		168061	155431
4.67		244040	213502
4.702		143124	108194
4.733		401969	357984
4.779		4469	2889
4.794		982	293
4.819		156153	139087
4.858		27864	34545
4.909		35332	32421
4.951		228906	229224
4.983		19918	15607
5.007		1165	596
5.033		17778	15068

RT A	Compound A	Height A	Area A
5.06		19217	12504
5.078		18578	12542
5.112		1979	1363
5.152		239770	247491
5.194		3976	2400
5.225		44811	44222
5.269		61859	56157
5.291		2824	1263
5.311		6971	4539
5.377		1313	1025
5.397		552	188
5.406		408	108
5.415		370	160
5.445		147	24
5.453		193	45
5.478		25508	35084
5.529		252	42
5.536		256	43
5.555		2418	1791
5.576		699	338
5.583		191	45
5.591		1097	703
5.635		37195	37526
5.677		10134	8777
5.702		1701	1062
5.736		1332	1380
5.756		63782	58836
5.809		272	38
5.815		283	84
5.825		246	42
5.834		201	56
5.843		329	43
5.849		423	121
5.858		383	60
5.875		113	37
5.892		301	107
5.904		457	75
5.91		215	46
5.94		10731	11584
5.965		171	29
5.983		902	673
5.994		693	360
6.026		179	29
6.036		262	40
6.044		493	139
6.054		172	29
6.067		300	73
6.081		354	105
6.09		271	58
6.126		64565	65756
6.192		66508	58334
6.212		7150	4777
6.266		246	40
6.271		306	68
6.286		164	35
6.3		102	35
6.305		159	26
6.31		287	49
6.316		329	113
6.342		104	18
6.349		119	45
6.368		1694	1609
6.396		218	72
6.406		281	90
6.429		224	62
6.443		254	91

RT A	Compound A	Height A	Area A
6.461		238	47
6.467		245	53
6.479		161	61
6.483		152	27
6.498		1893	1718
6.517		227	49
6.536		631	394
6.57		46636	49603
6.614		382	61
6.624		134	40
6.645		317	177
6.666		242	49
6.68		194	35
6.717	DCB	3479390	3905477
6.837		678	420
6.927		999	411
6.943		299	53
6.955		308	43
6.969		320	101
6.981		429	136
6.99		276	54
6.997		239	74

LANCASTER LABORATORIES

Sample Number: IC48X1824A AAIC48XAA CCAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 8:16:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.014		35124	24782
2.082		19461	33136
2.144		20192	15944
2.202		1588	1167
2.24		3767	2721
2.277		2590	3673
2.329		3718	5732
2.396		2569	2204
2.456		2089	3834
2.568		6795	20897
2.622		12026	26244
2.641		55963	52524
2.716	TCX	10466560	6448813
2.89		68839	49037
2.938		134262	102800
3.004		152158	100390
3.056		24857	15412
3.083		1714	636
3.116		34451	20928
3.144		821	217
3.15		882	126
3.159		963	347
3.175		2991	2985
3.213		375360	203548
3.225		67988	24545
3.266		37924	22716
3.288		29620	17697
3.314		8888	4833
3.338		399300	286252
3.375		56217	33869
3.404		20077	10159
3.422		81532	43442
3.437		33554	15727
3.489		402193	188983
3.499		432791	182804
3.519		81150	33388
3.534		449047	305792
3.61		576274	375868
3.644		969610	599232
3.668		888800	515459
3.687		298044	158694
3.741		2105	1999
3.751		641	108
3.774		1167762	788840
3.799		365632	213375
3.821		382573	251674
3.853		181783	99124
3.87		800484	503063
3.914		313128	242511
3.963		66551	57437
3.985		610068	399953
4.009		1551355	1027847
4.035		1104117	711059
4.055		87624	42725

RT B	Compound B	Height B	Area B
4.074		84497	51751
4.112		435816	329440
4.149		744723	617312
4.179		411512	241118
4.227		59960	46830
4.263		257950	211295
4.298		7268	3670
4.323		439245	349550
4.358		269321	192847
4.386		676709	519699
4.425		11865	11719
4.484		268524	279837
4.52		72962	54636
4.553		446730	349491
4.578		9971	5009
4.599		33624	21968
4.623		43108	28351
4.651		38222	29607
4.727		68424	69403
4.781		440079	370013
4.836		54247	50325
4.863		109731	103711
4.913		14562	10003
4.983		1497	698
5.007		2405	3152
5.035		926	435
5.057		5916	4427
5.092		7374	5348
5.117		43392	36697
5.163		8679	10162
5.204		3009	2268
5.239		47436	37529
5.265		18360	11917
5.286		7947	4764
5.305		3249	1861
5.361		93844	91344
5.501		5819	5212
5.546		15394	16358
5.603		1308	667
5.624		1302	1188
5.701		92488	82645
5.769		111713	98904
5.818		35164	31203
5.92		3408	3591
6.017		1128	1139
6.122		69934	59745
6.157		1885	1181
6.243		1317	1450
6.282	DCB	5307447	4896106
6.648		1268	679
6.69		977	554
6.735		6230	8954
6.913		1222	633
6.976		983	555

IC48X1824A AAIC48XAA CCAL 184699999 10227 SW-846 8082

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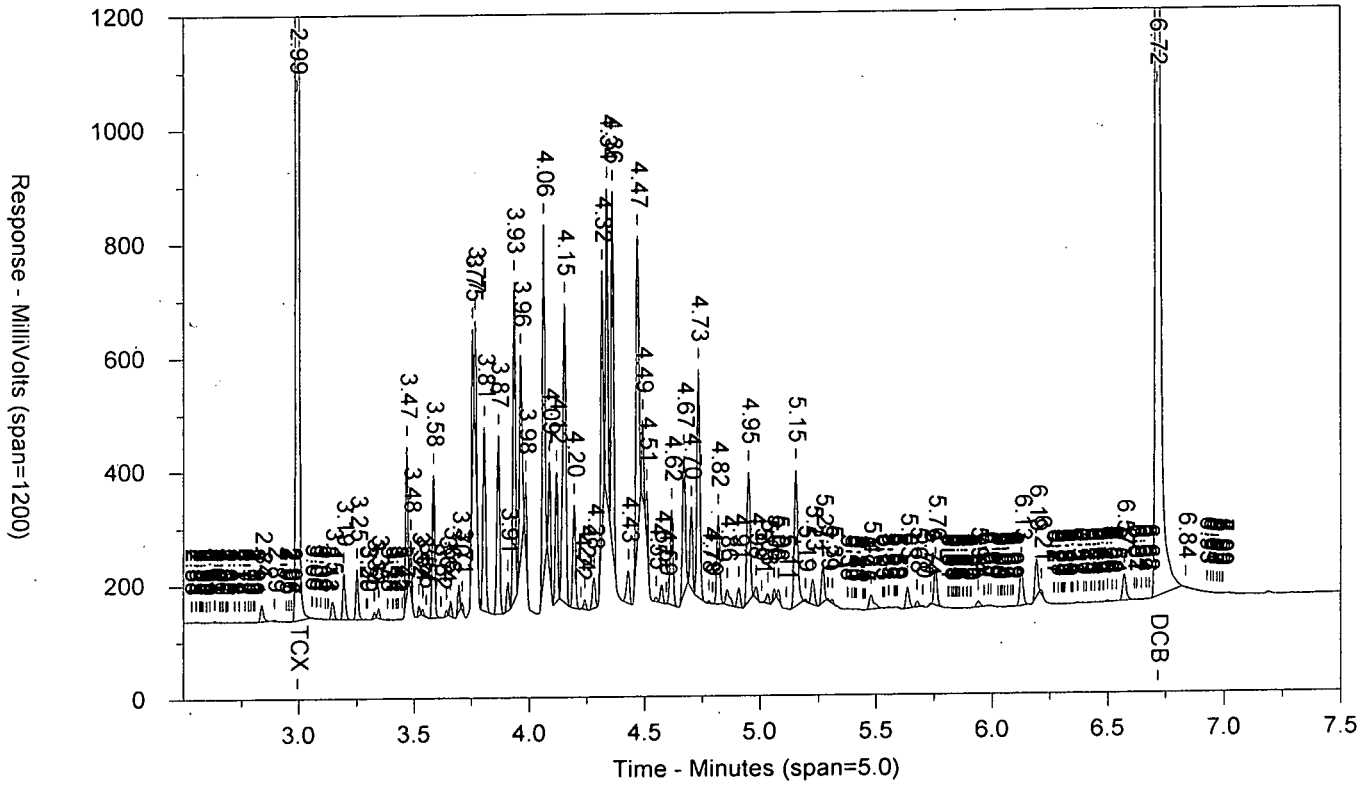

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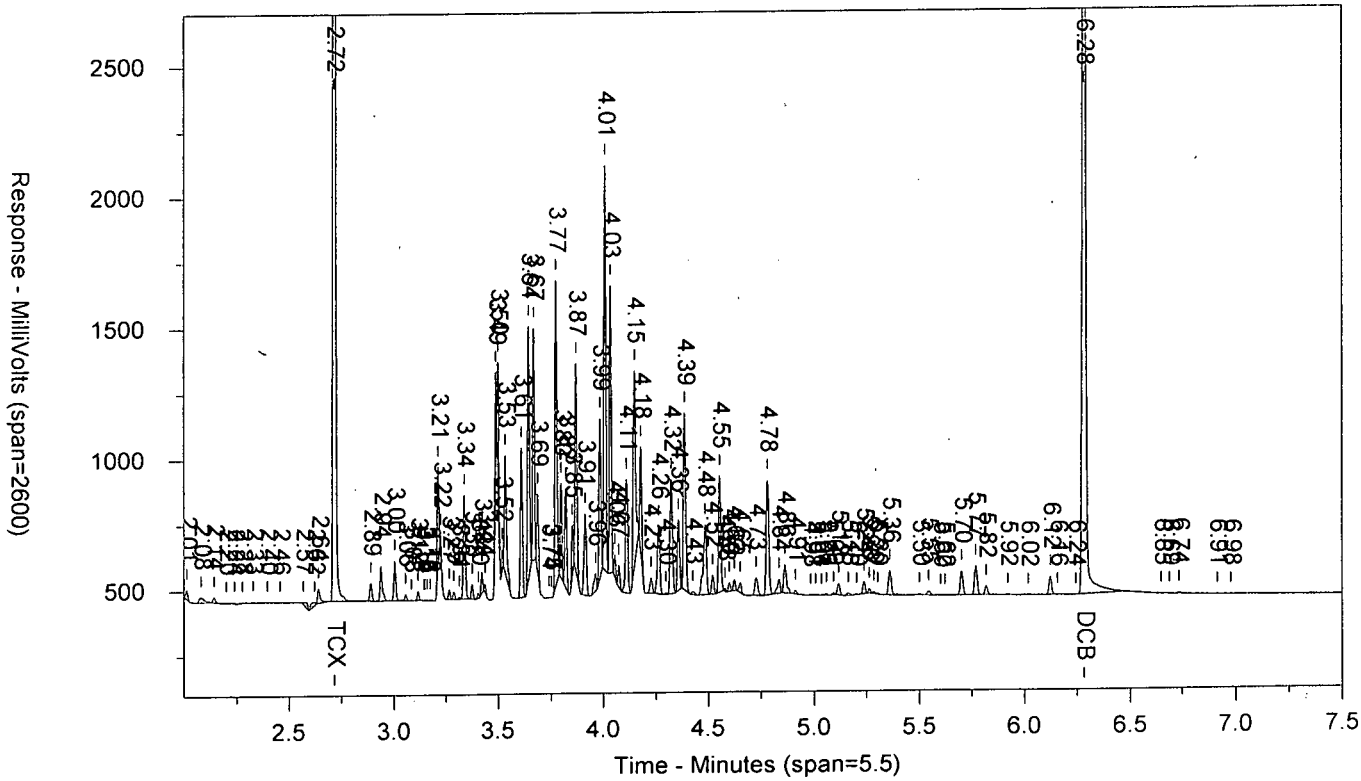

LANCASTER LABORATORIES

Sample Number: IC48X1824A AAIC48XAA CCAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 8:16:07 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.994	6204397	40.334	TCX	2.716	10466560	39.646	TCX
6.717	3479390	36.878	DCB	6.282	5307447	36.896	DCB

Files:
Area File: 25pcbs18047001.033.RAW
Area File: 25pcbs18047001B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 8:24:36 PM
File Reported On: 2/16/2018 at 8:24:48 PM

IC48X1824A AAIC48XAA CCAL 184699999 10227 SW-846 8082

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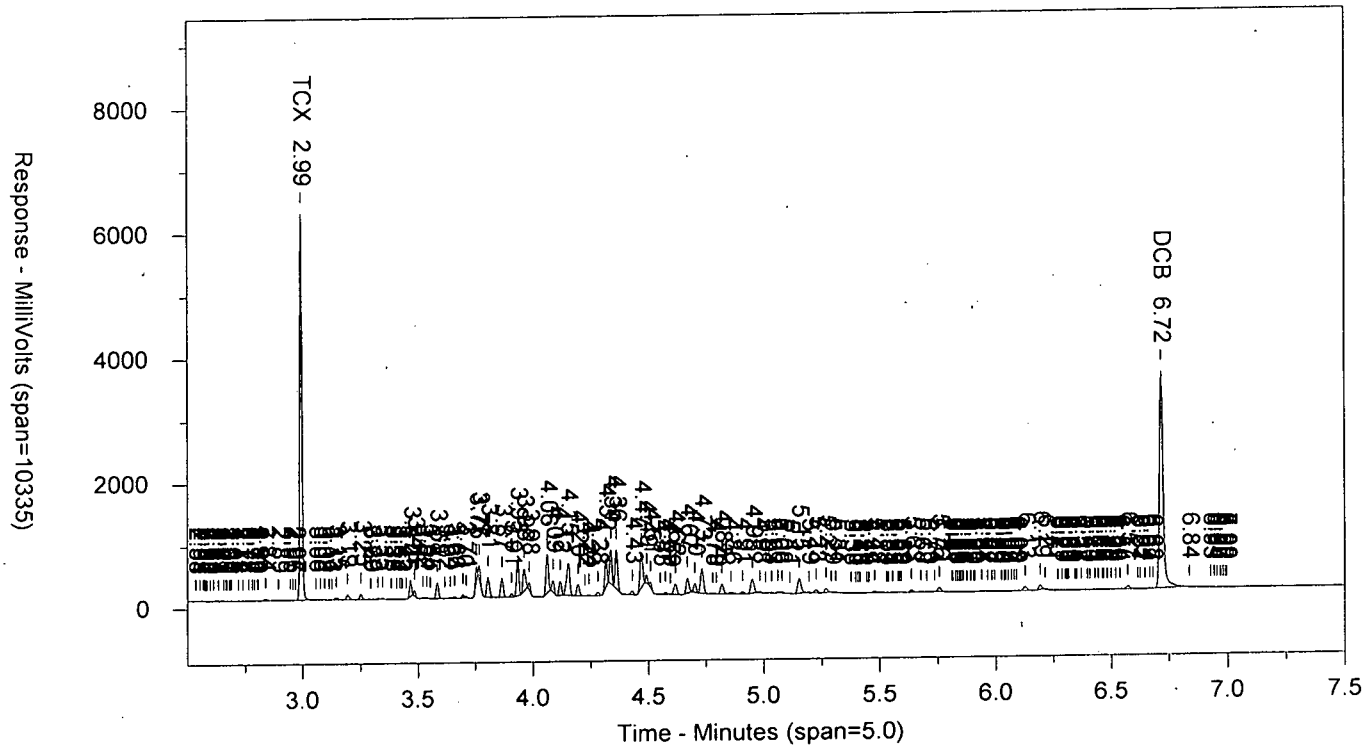

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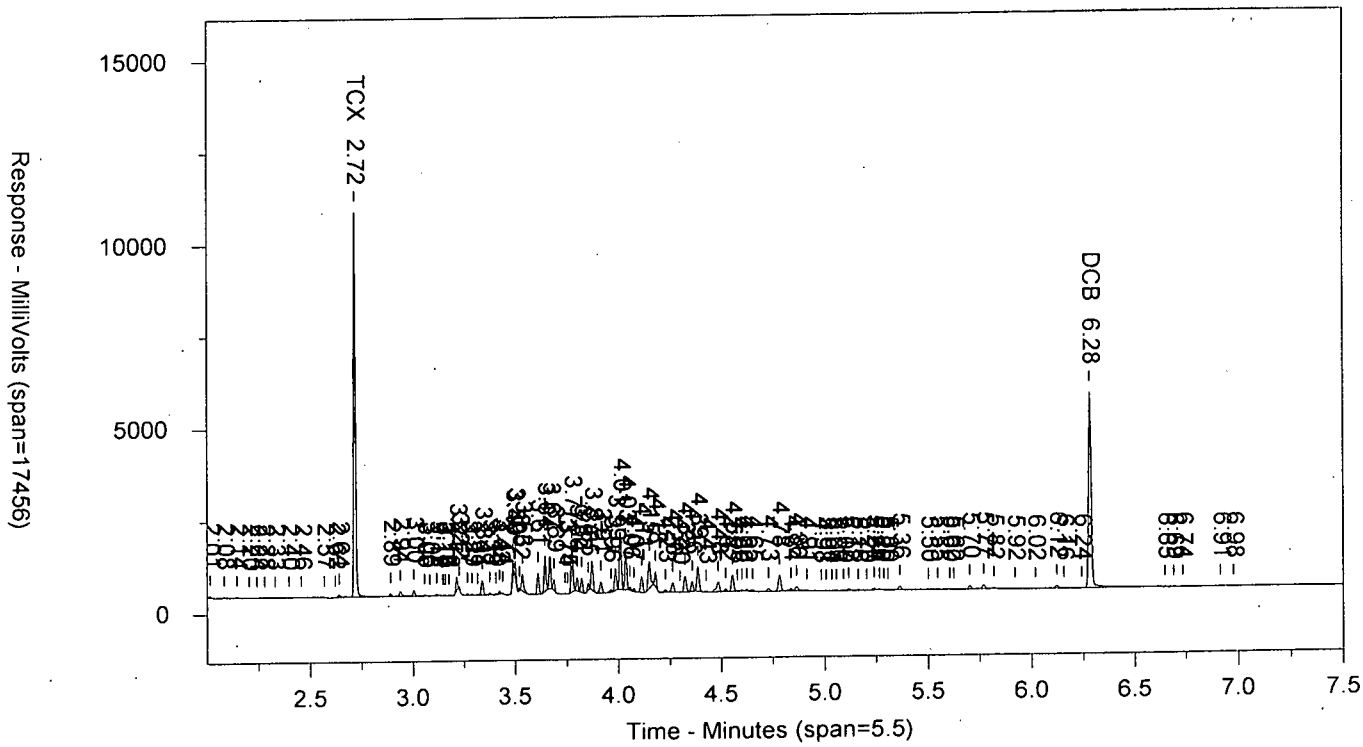

IC48X1824A AAIC48XAA CCAL 184699999 10227 SW-846 8082

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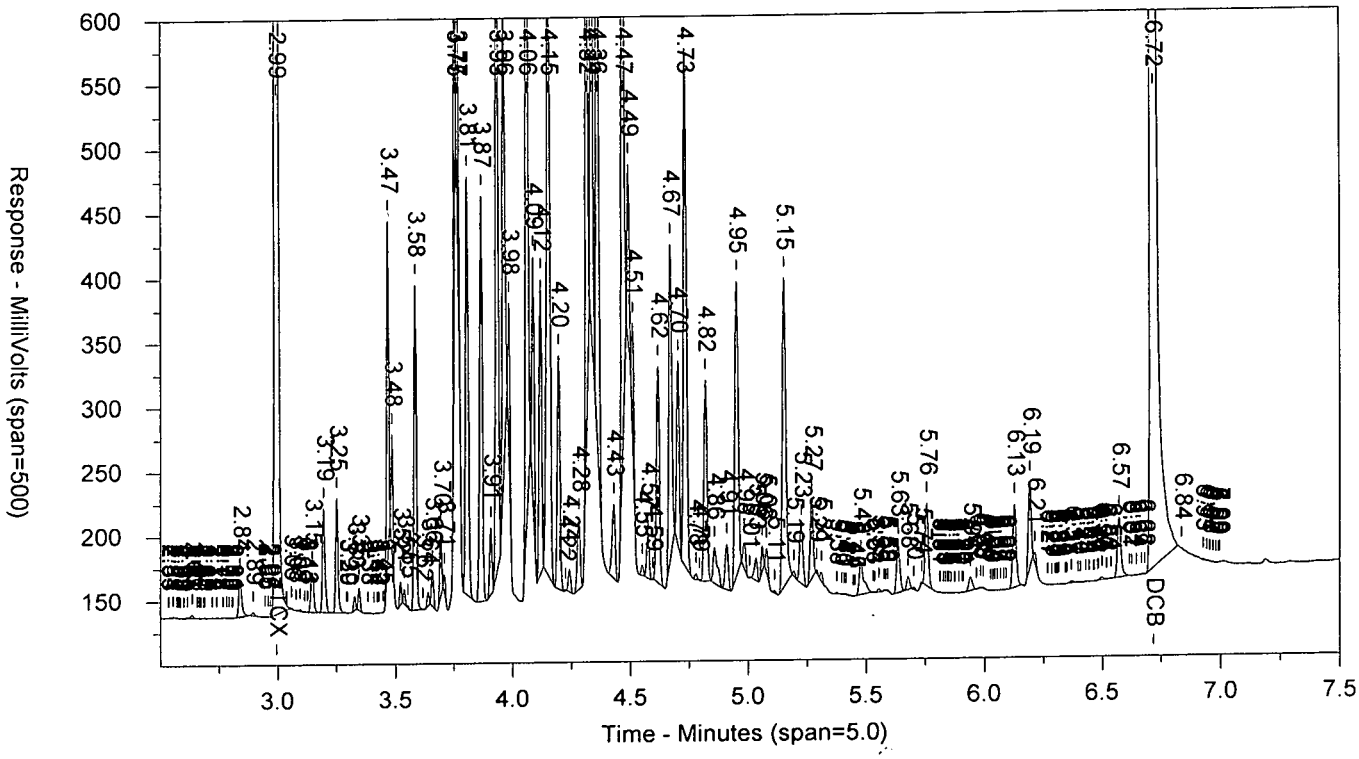

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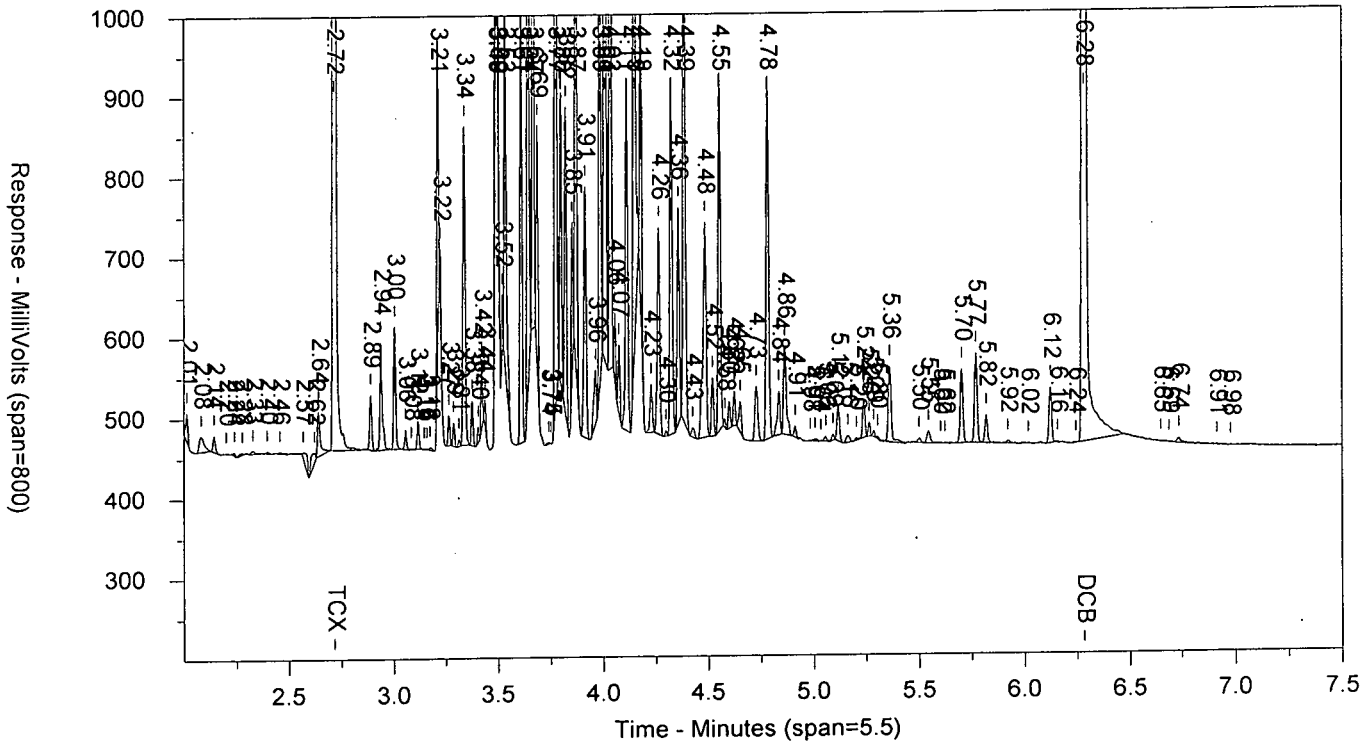

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 8:27:24 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs18047001.034.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.009		201	82
2.022		123	17
2.038		3255	2513
2.072		293	68
2.079		342	93
2.089		291	129
2.102		242	33
2.115		478	296
2.123		102	18
2.152		9929	17063
2.199		452	987
2.237		269	51
2.263		386	196
2.284		15343	11379
2.318		249	68
2.345		208	34
2.353		173	26
2.375		18342	11425
2.395		4626	2776
2.42		145	31
2.437		1703	1674
2.455		236	30
2.461		367	88
2.491		2667	2244
2.522		300	147
2.538		269	74
2.553		379	142
2.561		376	216
2.596		112	16
2.604		185	24
2.613		491	263
2.637		1751	1309
2.672		308	235
2.694		384	110
2.708		169	21
2.72		603	341
2.729		166	22
2.737		363	142
2.757		247	44
2.761		253	33
2.772		493	343
2.789		221	46
2.799		127	15
2.81		303	136
2.839		29230	26980
2.886		187	28
2.894		1480	968
2.918		267	144
2.96		560	169
2.993	TCX	3106725	2021240
3.058		1262	620
3.082		212	25
3.087		183	26
3.095		851	408

RT A	Compound A	Height A	Area A
3.115		242	64
3.127		174	28
3.146		8387	7127
3.166		185	39
3.172		255	53
3.195		41389	29195
3.236		105	34
3.251		16862	13001
3.287		186	86
3.298		235	35
3.309		136	61
3.326		6529	3989
3.346		1991	1199
3.369		123	36
3.377		220	35
3.382		387	113
3.395		334	98
3.406		196	36
3.413		270	60
3.418		185	54
3.428		140	24
3.432		335	143
3.452		154	27
3.468		34058	21006
3.485		10739	6980
3.522		875	416
3.539		14404	8975
3.564		641	207
3.584		30082	22057
3.641		5550	3581
3.659		32012	20957
3.696		6245	3709
3.71		2645	1416
3.739		3397	1773
3.755		14581	7773
3.768		13251	12223
3.806		83988	68890
3.865		34811	28272
3.908		6069	3582
3.934		528585	394894
3.962		154043	169470
4.009		2461	1302
4.034		298	71
4.061		324832	255332
4.087		22530	13085
4.118		50369	35418
4.153		155317	168224
4.196		33091	26705
4.226		1796	943
4.242		10851	7250
4.279		32567	25246
4.317		788101	567757
4.337		303846	181207
4.363		225722	177682
4.43		220483	191471
4.473		1149683	1149095
4.509		397962	324692
4.55		16013	10256
4.574		77167	60667
4.617		398014	375141
4.67		747200	666364
4.702		181097	118541
4.733		1446340	1279387
4.78		65439	46174
4.794		29045	16819
4.819		218587	175977

RT A	Compound A	Height A	Area A
4.858		453383	462680
4.909		86666	78426
4.951		856336	825844
4.98		20191	13702
5.007		85670	71982
5.033		16560	9389
5.061		336049	251138
5.078		186156	121529
5.111		10971	7502
5.153		705889	686767
5.196		78685	62208
5.223		93333	128182
5.269		915549	807518
5.29		45945	23174
5.308		34897	23604
5.331		22302	15374
5.375		35995	29312
5.393		2612	1487
5.437		364	60
5.453		675	592
5.479		242361	207298
5.497		28729	17913
5.555		40560	35640
5.594		35048	32539
5.634		22495	21894
5.678		153179	149523
5.703		16918	11135
5.734		123824	109096
5.755		10147	6318
5.829		388	414
5.886		347	86
5.893		417	89
5.9		256	70
5.906		353	76
5.942		128629	124629
5.972		16964	15437
6.029		282	47
6.035		425	170
6.066		206	33
6.085		157	40
6.09		320	144
6.128		34119	36320
6.191		37084	33403
6.212		4717	3026
6.266		255	53
6.274		307	118
6.282		162	29
6.289		161	30
6.296		280	63
6.301		202	34
6.308		204	45
6.314		222	40
6.324		217	35
6.335		121	34
6.369		7367	7674
6.394		248	77
6.411		223	59
6.438		288	113
6.449		386	182
6.456		252	39
6.462		261	45
6.469		391	93
6.474		154	22
6.501		1405	1749
6.517		330	138
6.529		193	60

RT A	Compound A	Height A	Area A
6.535		176	36
6.542		266	63
6.57		22372	24158
6.612		341	70
6.634		174	78
6.646		299	206
6.657		295	62
6.663		361	51
6.669		478	122
6.676		271	40
6.716	DCB	1739204	2034649
6.876		303	43
6.896		471	219
6.913		268	39
6.917		335	360
6.96		333	75
6.974		356	261

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 8:27:24 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs18047001B.034.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.003		8199	7564
2.081		22421	38016
2.143		10982	8438
2.205		1435	1504
2.242		3201	2748
2.278		1579	2148
2.326		3789	3887
2.368		1893	5238
2.453		1618	1434
2.617		8014	12275
2.641		55424	54176
2.717	TCX	5230253	3228351
2.889		17403	14116
2.938		73060	52193
3.004		30602	19881
3.057		12289	8180
3.083		911	374
3.096		975	264
3.117		4630	2961
3.143		371	141
3.157		1220	228
3.177		737	229
3.187		1801	723
3.214		52305	28025
3.225		6843	2065
3.267		3077	1738
3.289		29339	18694
3.308		529	85
3.313		1343	360
3.34		50399	32697
3.357		1342	366
3.375		61750	37872
3.404		12009	6536
3.423		6743	3330
3.435		9487	5495
3.471		886	326
3.489		30014	15204
3.499		17200	6989
3.52		18984	8873
3.535		102271	86559
3.578		640	181
3.59		1119	290
3.611		65936	43745
3.644		946801	589834
3.669		352030	215348
3.687		27752	12399
3.705		10622	6547
3.736		636	475
3.745		684	289
3.775		572256	391546
3.799		51069	28405
3.822		92385	62769
3.854		96837	55217
3.871		195846	117419

RT B	Compound B	Height B	Area B
3.914		66320	60295
3.955		52625	52998
3.986		178932	108620
4.009		2023022	1401098
4.035		213820	128673
4.056		189595	105941
4.075		323531	209069
4.112		1726830	1243951
4.146		650472	445831
4.165		418365	238767
4.228		130852	103465
4.264		627474	522799
4.323		1357237	1050541
4.358		356751	277315
4.387		2407919	1839114
4.427		172369	173237
4.482		1072464	982954
4.52		171392	136643
4.554		1516621	1148116
4.579		228458	152956
4.623		881607	716838
4.651		51564	31788
4.728		830455	819537
4.782		1053518	896130
4.823		252864	230909
4.864		1645029	1630071
4.913		122433	83296
4.937		49650	34813
5		21358	23688
5.057		88002	84348
5.093		83029	59728
5.118		490319	413332
5.168		69669	60707
5.204		55950	44383
5.236		39184	36037
5.265		254182	183617
5.287		160037	103332
5.305		29730	15225
5.329		4738	2462
5.361		52896	51350
5.461		768	316
5.502		9300	7939
5.544		209502	219365
5.637		1858	2030
5.703		49448	43621
5.746		8608	6418
5.77		55320	47513
5.819		24579	21163
5.923		12082	10021
6.053		1496	2618
6.076		1868	1824
6.123		35510	30996
6.176		1423	1647
6.236		1566	1356
6.283	DCB	2632459	2538050
6.588		1320	1888
6.671		1100	490
6.707		1228	562
6.731		2845	2112
6.752		1565	2053
6.864		992	1691
6.978		916	739

IC54X1724B AAIC54XAA CCAL 184699999 10227 SW-846 8082

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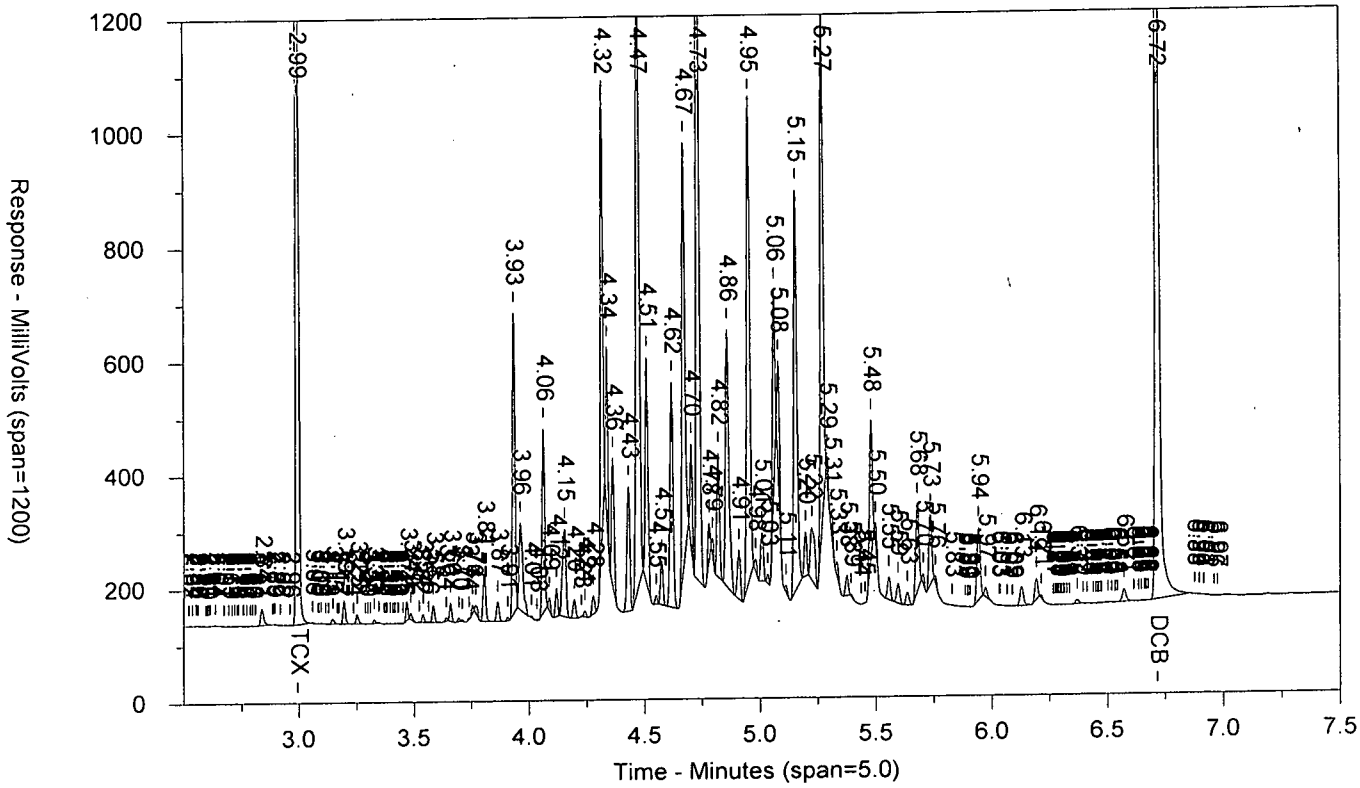

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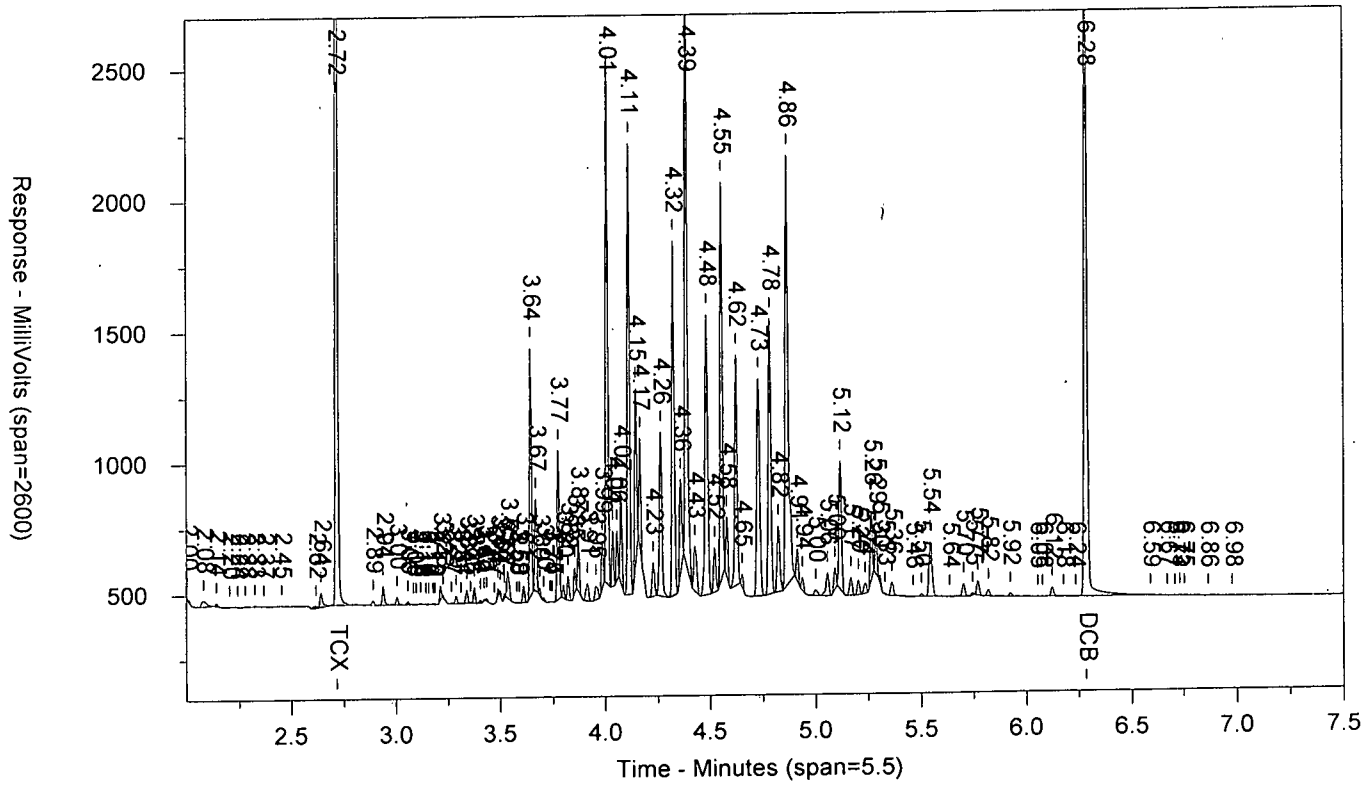

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 184699999 10227 SW-846 8082
Injected On: 2/16/2018 8:27:24 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	3106725	20.196	TCX	2.717	5230253	19.811	TCX
6.716	1739204	18.434	DCB	6.283	2632459	18.3	DCB

Files:
Area File: 25pcbs18047001.034.RAW
Area File: 25pcbs18047001B.034.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 2/16/2018 8:35:55 PM
File Reported On: 2/16/2018 at 8:36:13 PM

IC54X1724B AAIC54XAA CCAL 184699999 10227 SW-846 8082

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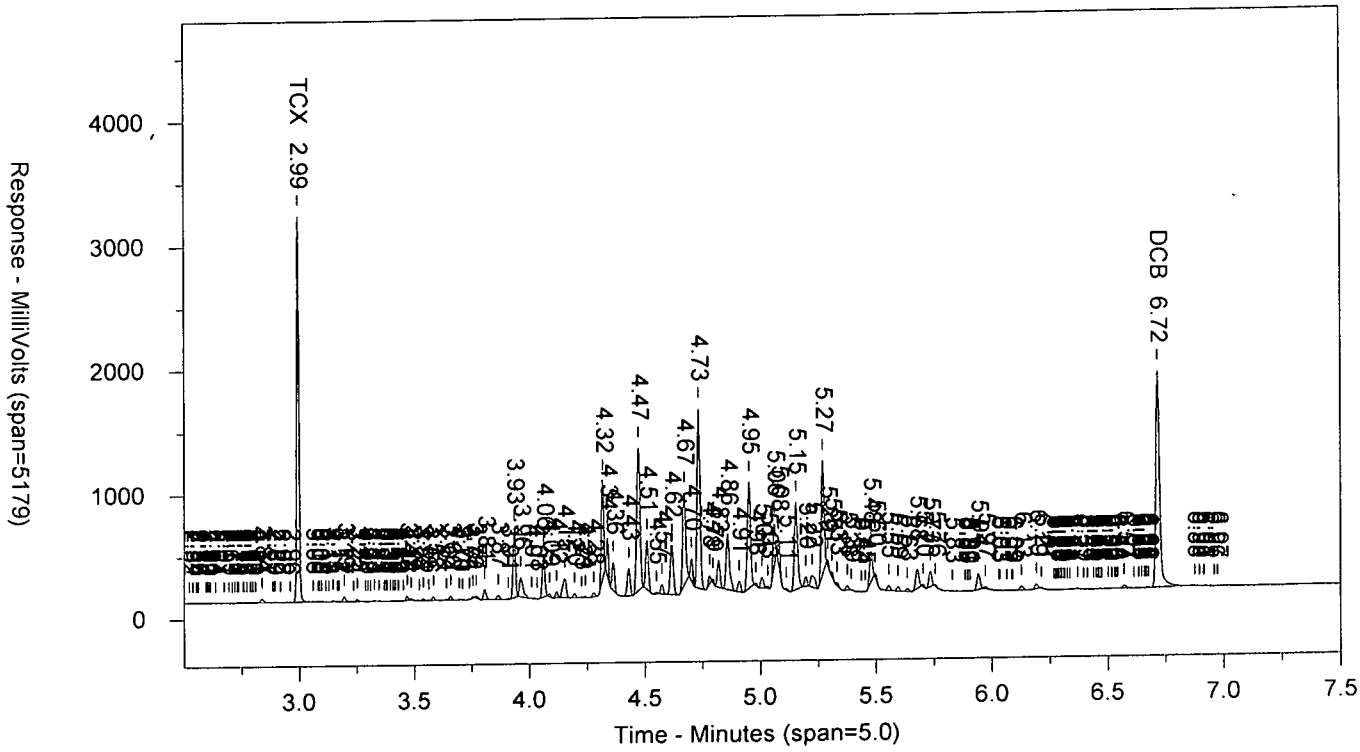

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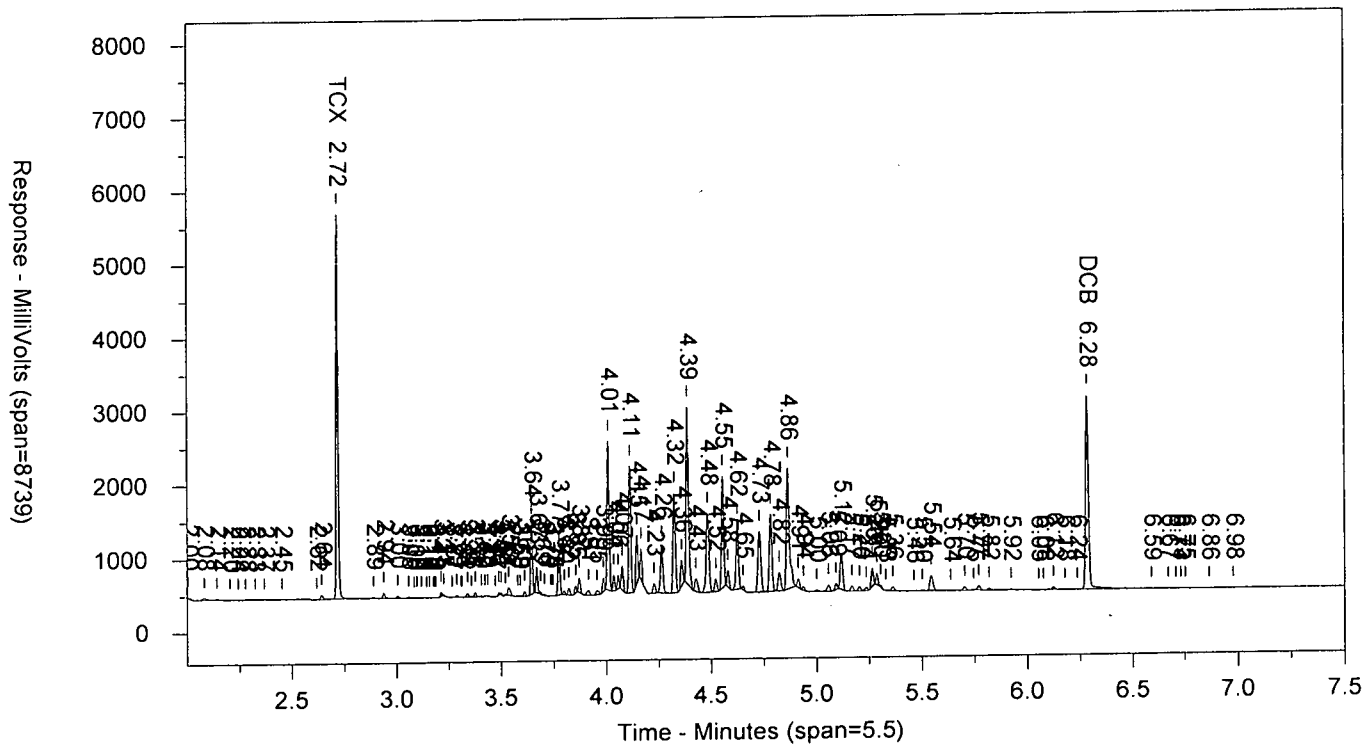

IC54X1724B AAIC54XAA CCAL 184699999 10227 SW-846 8082

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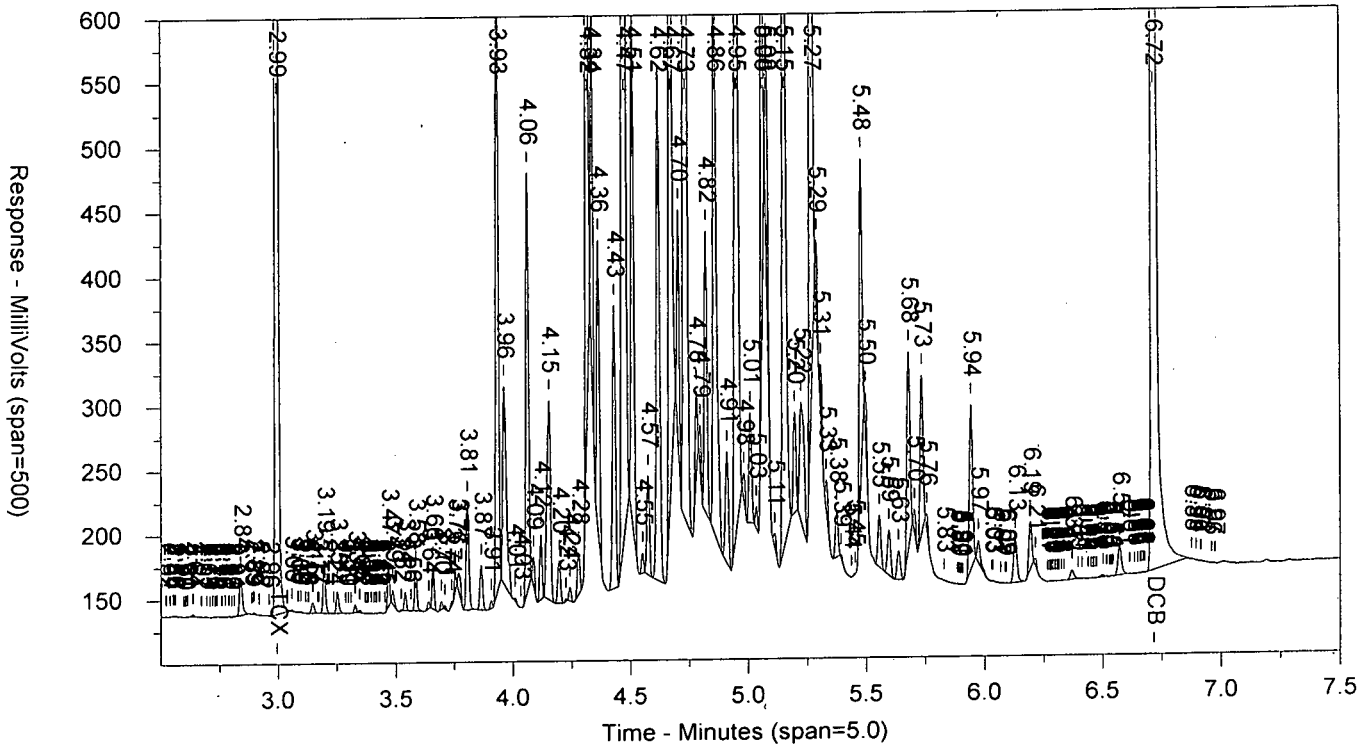

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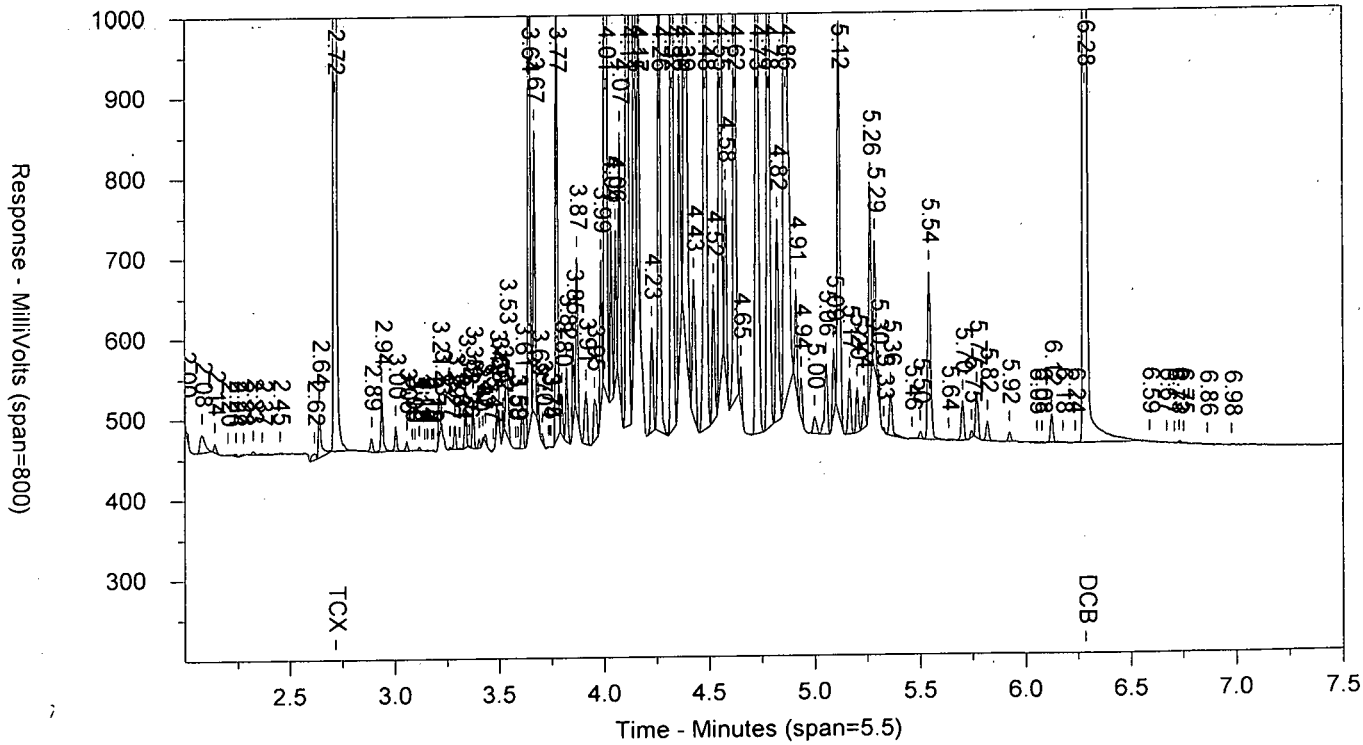

LANCASTER LABORATORIES

Sample Number: AR1641724C BSAR164BS CCAL 185999999 10227 SW-846 8082
Injected On: 3/1/2018 9:36:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.002		210	31
2.01		339	104
2.014		340	84
2.036		7607	6101
2.059		146	25
2.079		435	313
2.088		208	47
2.106		217	43
2.112		276	88
2.125		245	43
2.149		7533	13523
2.199		296	55
2.204		175	31
2.243		306	89
2.256		513	298
2.282		30067	22122
2.319		203	163
2.352		233	89
2.374		14836	8849
2.393		10419	6289
2.436		2089	2086
2.455		380	109
2.472		149	26
2.49		5766	4391
2.522		218	43
2.538		311	163
2.551		907	703
2.59		450	229
2.613		360	258
2.63		9134	6808
2.662		153	28
2.668		254	60
2.676		233	52
2.686		494	201
2.694		291	49
2.699		228	59
2.716		223	79
2.72		307	76
2.736		269	117
2.741		305	99
2.752		154	29
2.757		180	23
2.767		129	18
2.778		100	26
2.791		278	103
2.814		301	159
2.837		21573	18861
2.893		3302	2302
2.934		271	64
2.947		253	54
2.953		281	69
2.961		323	60
2.992	TCX	6366353	4097644
3.078		761	319

RT A	Compound A	Height A	Area A
3.116		364	157
3.144		100977	87785
3.2		124191	127944
3.25		504408	355117
3.325		11130	5840
3.344		66398	42385
3.364		349	83
3.383		1791	1022
3.403		288	49
3.41		269	54
3.422		124	34
3.428		250	97
3.446		111	41
3.467		528764	311702
3.483		248546	135824
3.521		66799	37687
3.537		22796	9916
3.553		34520	18526
3.584		633356	458995
3.619		2672	1245
3.639		4570	2918
3.659		27985	18605
3.695		138203	78707
3.71		68080	34206
3.755		311123	175212
3.766		583958	309569
3.804		680874	530586
3.866		567688	454316
3.907		49929	34296
3.934		422773	307282
3.962		300551	258905
3.983		83059	44517
4.037		383	148
4.061		451945	330908
4.086		154803	104779
4.117		185653	136416
4.153		434085	462742
4.195		150185	122163
4.224		720	232
4.241		17597	12591
4.258		267	38
4.28		31373	25237
4.316		451652	337928
4.337		101396	61379
4.362		118856	90129
4.43		72400	59601
4.474		445680	429539
4.509		15801	10794
4.546		346	143
4.573		7165	6170
4.614		93005	95941
4.672		43681	32462
4.687		105781	73516
4.733		279526	254409
4.78		442068	487271
4.818		113229	84299
4.857		980941	899424
4.9		14152	12377
4.95		133120	153563
4.984		25815	17747
5.008		165646	145183
5.061		812748	665515
5.078		80894	55194
5.112		218668	201693
5.154		549210	603895
5.195		9232	5364

RT A	Compound A	Height A	Area A
5.233		116801	151889
5.269		1201620	1308581
5.308		9537	3454
5.333		608732	570533
5.376		411909	397604
5.474		73848	75259
5.497		682813	619327
5.555		357685	333660
5.595		188982	165198
5.635		77096	74211
5.68		226202	247296
5.735		1730894	2060978
5.857		582	127
5.941		961349	982144
5.993		296958	531349
6.128		96252	95144
6.163		372	33
6.193		70164	53898
6.215		170243	148493
6.315		530	115
6.326		444	227
6.341		402	90
6.372		437041	474420
6.415		24476	22507
6.479		144	30
6.501		2385	2235
6.539		493	215
6.546		360	64
6.574		164271	181840
6.619		318	52
6.625		374	122
6.642		356	68
6.654		444	141
6.667		275	71
6.674		239	86
6.722	DCB	3556551	3951130
6.84		1273	1550
6.863		574	214
6.885		1180	615
6.923		320	60
6.946		473	480
6.979		192	36
6.989		141	37

LANCASTER LABORATORIES

Sample Number: AR1641724C BSAR164BS CCAL 185999999 10227 SW-846 8082
Injected On: 3/1/2018 9:36:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.01		32507	18101
2.079		15347	28280
2.14		22234	17208
2.234		7298	14189
2.291		2807	11862
2.327		3954	4808
2.368		1536	1557
2.39		13457	9541
2.462		2091	2913
2.506		1127	1356
2.564		10803	24183
2.619		10803	24525
2.637		43855	38467
2.713	TCX	11080000	6658236
2.756		74872	52295
2.839		1801	1210
2.885		207154	142924
2.935		73135	34967
2.947		131914	64720
3		875254	568724
3.053		26296	15006
3.069		1095	193
3.084		977	475
3.091		452	99
3.113		121794	80982
3.142		1096	516
3.167		577	95
3.172		2450	1900
3.21		728855	374875
3.222		242096	96076
3.263		133678	85489
3.285		73294	41667
3.311		89147	51156
3.335		1016651	703493
3.372		52075	31974
3.402		5898	2563
3.419		257994	142190
3.435		155110	78115
3.486		625770	270881
3.496		1115029	496942
3.516		43713	15547
3.531		1023259	714492
3.607		1073288	700882
3.641		720527	459386
3.666		793448	464271
3.684		248784	132962
3.728		1243	963
3.735		506	104
3.752		615	107
3.772		896544	610820
3.796		332699	190698
3.818		317221	202109
3.85		211804	118871
3.868		687738	446388

RT B	Compound B	Height B	Area B
3.912		264505	205475
3.96		55435	53526
3.983		173281	107860
4.006		920684	639410
4.032		199599	127247
4.053		32446	16000
4.072		118420	78434
4.109		734330	546611
4.146		45771	30330
4.162		72474	46710
4.226		8658	9855
4.252		85868	109464
4.296		9819	5461
4.321		212428	156256
4.366		191889	117861
4.384		159200	81450
4.397		456851	269351
4.425		293938	310511
4.479		1551775	1287012
4.523		39647	38594
4.551		168241	114681
4.576		353655	259239
4.599		4006	2162
4.62		1833539	1452289
4.728		1569460	1486368
4.784		205895	183881
4.823		401793	375840
4.861		1774906	1528465
4.894		874716	640251
4.934		614667	501440
5.005		4407	4045
5.038		226335	245709
5.09		1139345	943568
5.115		170844	112821
5.165		605931	571229
5.2		297720	239777
5.23		219958	201802
5.262		73707	43274
5.283		2688152	2185787
5.326		58789	43260
5.358		187139	163176
5.439		2215	1718
5.475		30645	18921
5.498		544451	463936
5.544		1779489	1930463
5.699		123888	111416
5.743		47802	34538
5.767		136875	112011
5.816		336883	304505
5.921		674746	600166
5.953		43531	33274
6.069		1772	1617
6.121		245737	220302
6.176		2345	1779
6.239		982	904
6.281	DCB	5369454	5007400
6.523		1606	2632
6.687		1507	578
6.737		5842	6791
6.857		1121	2104

AR1641724C BSAR164BS CCAL 185999999 10227 SW-846 808

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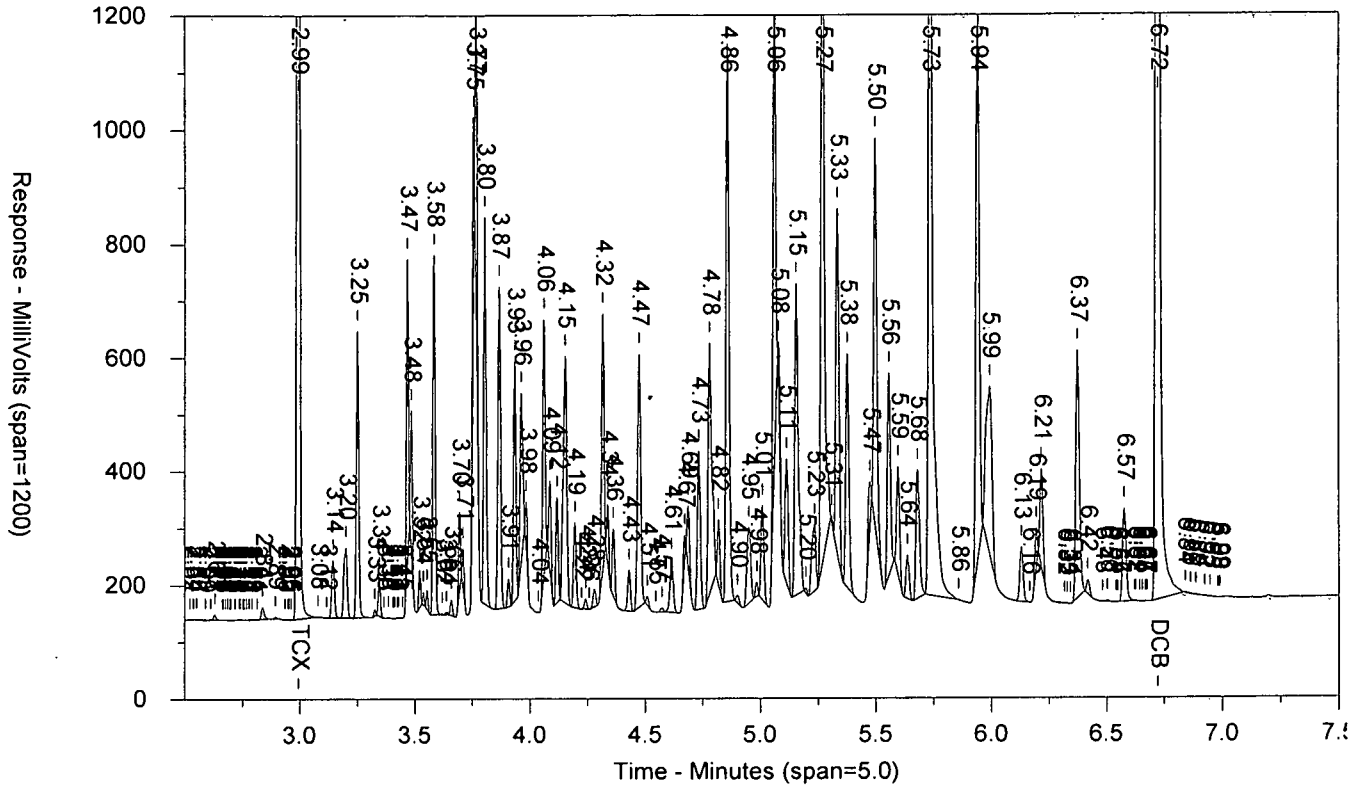

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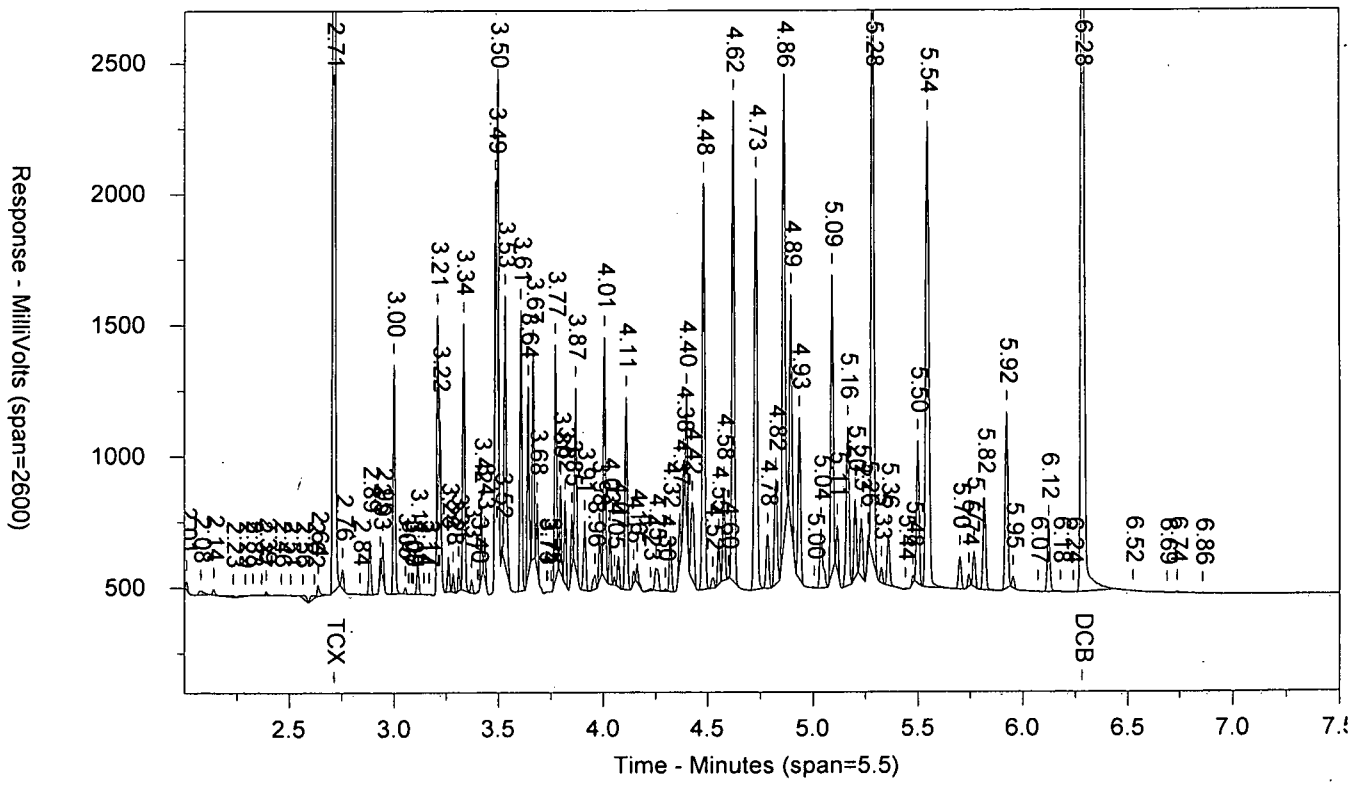

LANCASTER LABORATORIES

Sample Number: AR1641724C BSAR164BS CCAL 185999999 10227 SW-846 8082
Injected On: 3/1/2018 9:36:23 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	6366353	41.386	TCX	2.713	11080000	41.969	TCX
6.722	3556551	37.696	DCB	6.281	5369454	37.327	DCB

Files:
Area File: 25PCBs18047010.005.RAW
Area File: 25PCBs18047010B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/1/2018 9:44:55 PM
File Reported On: 3/2/2018 at 8:58:55 AM

AR1641724C BSAR164BS CCAL 185999999 10227 SW-846 808

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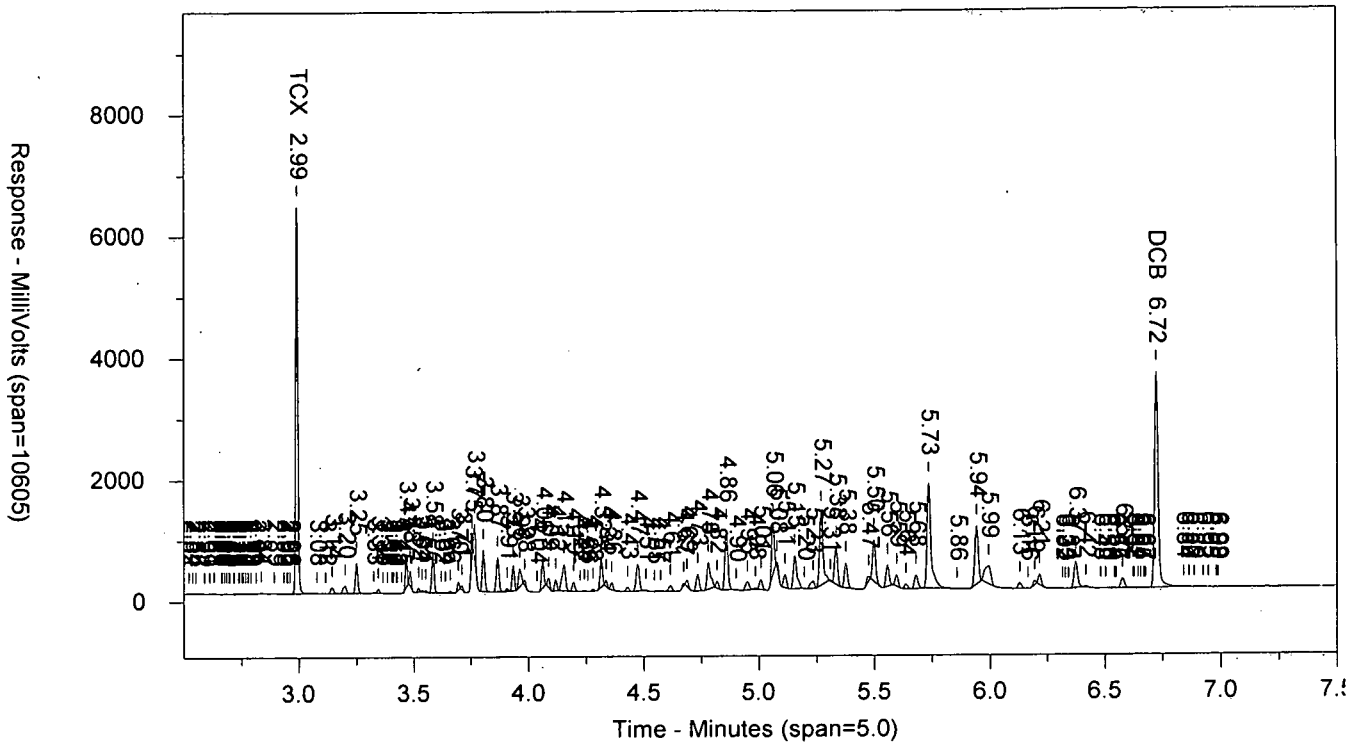

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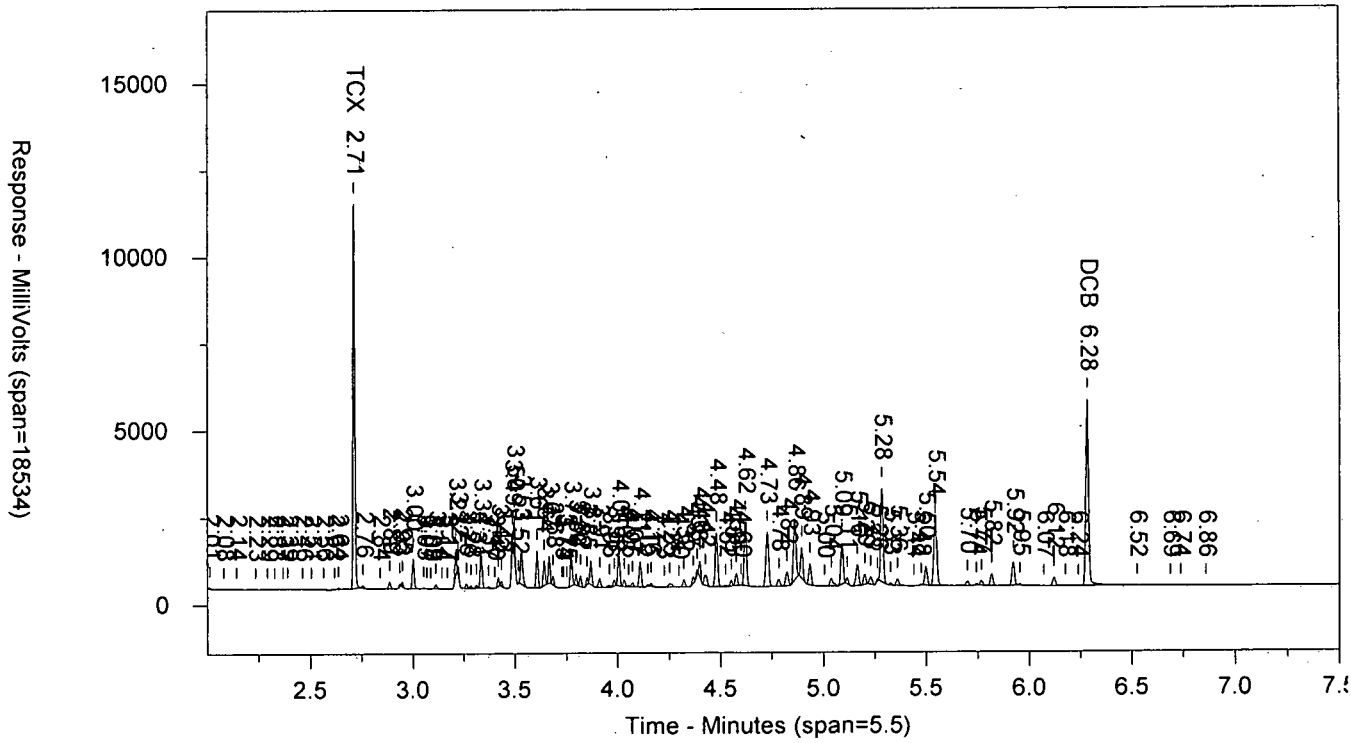

AR1641724C BSAR164BS CCAL 185999999 10227 SW-846 808

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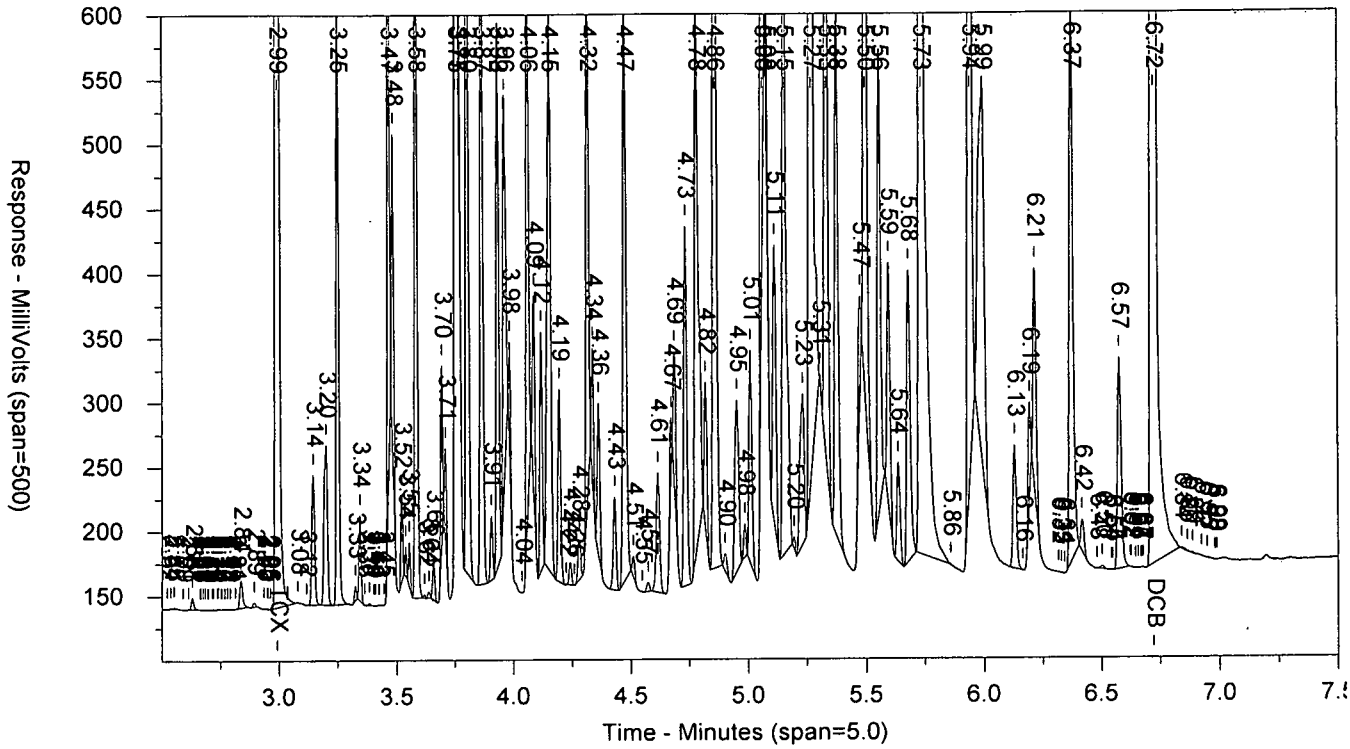

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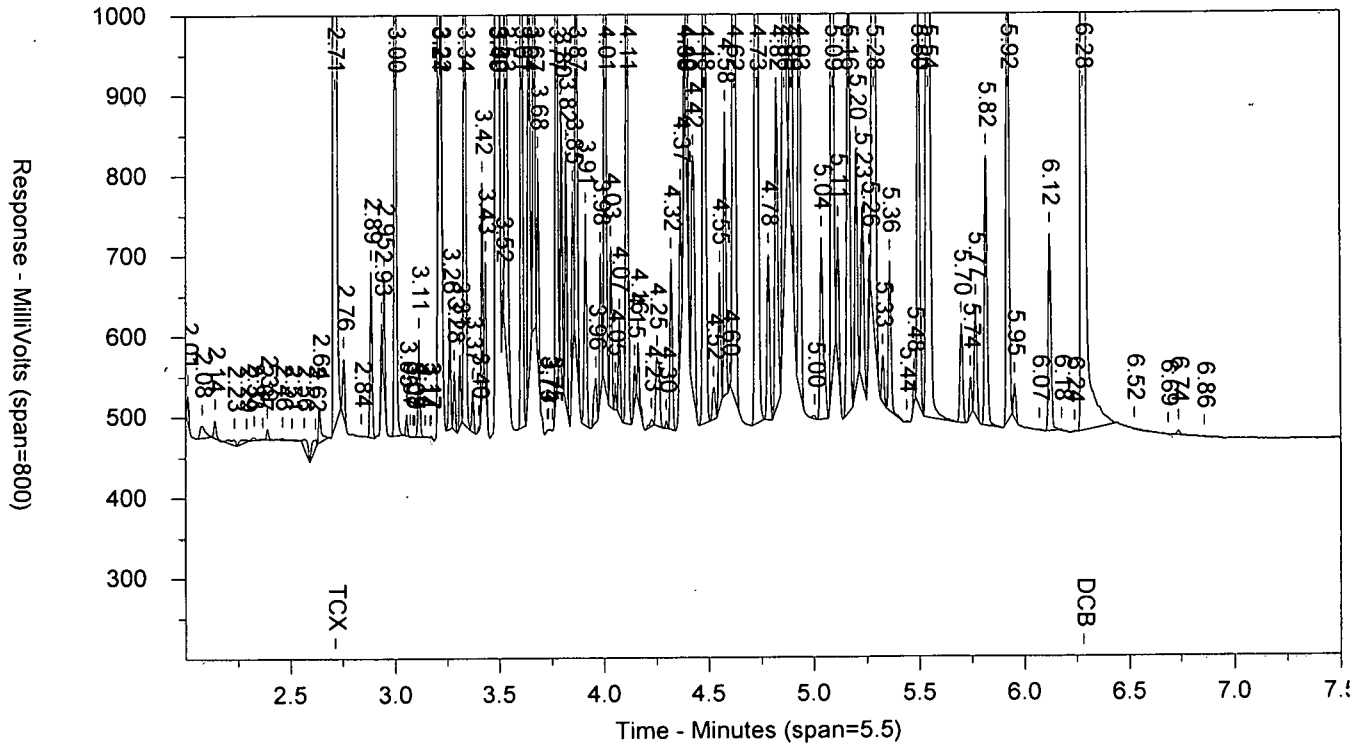

LANCASTER LABORATORIES

Sample Number: IBLKX1724B UYPIBLKUY PIBLK185999999 10227 SW-846 8082
Injected On: 3/1/2018 9:47:42 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.006		181	53
2.036		7564	5993
2.076		969	815
2.094		250	62
2.102		427	306
2.15		7562	11345
2.2		142	22
2.209		260	617
2.25		246	51
2.259		336	165
2.282		16498	13225
2.315		217	30
2.324		449	190
2.336		101	31
2.34		208	41
2.374		113445	72700
2.393		3571	1454
2.41		1141	471
2.434		1653	1351
2.456		489	310
2.489		3283	1850
2.503		5439	2565
2.52		244	51
2.525		289	53
2.547		355	83
2.567		424	141
2.583		3635	2386
2.61		491	241
2.633		1203	814
2.659		2375	1653
2.681		281	45
2.704		137	27
2.714		914	586
2.737		414	169
2.745		156	27
2.757		1204	785
2.778		322	59
2.784		558	212
2.801		200	36
2.808		309	117
2.817		137	35
2.836		26439	24771
2.894		6447	4599
2.915		250	34
2.924		253	51
2.934		813	506
2.966		150	22
2.992	TCX	3241485	2148753
3.056		930	420
3.079		4628	2934
3.093		403	158
3.111		202	51
3.133		250	56
3.148		175	26

RT A	Compound A	Height A	Area A
3.161		332	82
3.193		43395	29237
3.223		192	30
3.229		193	34
3.24		208	49
3.261		4351	3754
3.293		277	46
3.3		357	110
3.325		7552	5706
3.349		307	34
3.356		240	64
3.363		308	181
3.4		258	92
3.411		270	68
3.417		171	22
3.433		1475	888
3.449		291	78
3.465		829	942
3.5		214	76
3.506		277	122
3.518		344	76
3.538		330	233
3.55		196	31
3.555		220	57
3.566		629	290
3.58		352	56
3.585		273	63
3.603		2782	2047
3.622		150	28
3.627		181	21
3.642		3668	2057
3.667		131	22
3.673		202	29
3.677		273	71
3.701		1000	660
3.712		242	35
3.72		332	73
3.739		6058	4743
3.769		321	110
3.774		276	159
3.809		933	514
3.821		148	29
3.827		452	194
3.849		360	166
3.869		342	104
3.881		337	59
3.89		298	57
3.9		281	39
3.906		176	53
3.928		3695	3613
3.955		273	153
3.973		479	301
4.003		164	91
4.013		167	48
4.037		313	105
4.048		205	47
4.057		137	23
4.063		320	153
4.086		156	25
4.092		412	92
4.098		151	25
4.105		250	47
4.11		233	82
4.126		249	123
4.143		1141	903
4.159		433	89

RT A	Compound A	Height A	Area A
4.173		266	103
4.183		196	55
4.193		191	25
4.198		193	52
4.209		264	106
4.219		215	41
4.24		255	59
4.277		8155	13460
4.332		158	36
4.341		217	68
4.348		603	355
4.384		208	116
4.389		312	103
4.416		285	83
4.429		248	61
4.437		262	39
4.441		317	129
4.453		152	25
4.459		277	43
4.471		686	678
4.497		362	80
4.504		277	53
4.515		160	30
4.523		174	99
4.54		304	108
4.552		266	73
4.571		421	278
4.585		235	45
4.609		4471	5956
4.645		178	29
4.653		203	46
4.673		1923	1571
4.701		292	30
4.718		87	24
4.728		173	41
4.749		239	126
4.756		374	205
4.771		199	41
4.776		175	32
4.785		360	62
4.792		174	30
4.799		227	42
4.806		170	48
4.817		138	29
4.825		364	98
4.846		142	95
4.859		135	27
4.864		133	35
4.872		149	51
4.881		178	41
4.886		276	32
4.894		267	86
4.902		360	277
4.929		142	25
4.94		226	49
4.967		1007	1241
4.985		10143	12005
5.026		256	57
5.044		57	38
5.053		263	79
5.081		1047	975
5.111		1113	896
5.149		2063	1835
5.172		260	77
5.176		469	481
5.227		20688	20785

RT A	Compound A	Height A	Area A
5.258		330	71
5.274		207	37
5.291		224	38
5.316		5055	6418
5.363		159	29
5.368		136	22
5.382		293	152
5.387		349	74
5.402		295	107
5.417		437	173
5.429		359	99
5.437		426	102
5.452		181	27
5.461		178	60
5.471		467	164
5.478		296	40
5.498		151	69
5.512		405	139
5.517		283	61
5.536		320	94
5.548		182	78
5.568		252	33
5.575		265	54
5.58		418	83
5.638		20001	24838
5.672		267	53
5.682		218	50
5.689		123	24
5.702		449	176
5.706		370	184
5.734		168	34
5.758		40035	39514
5.804		428	106
5.811		167	25
5.826		295	81
5.836		240	117
5.848		149	87
5.852		259	35
5.868		1144	964
5.893		215	59
5.903		154	29
5.91		296	79
5.917		262	75
5.946		4124	4953
5.984		433	164
5.995		383	221
6.016		291	43
6.021		359	83
6.028		173	29
6.038		301	130
6.054		320	184
6.073		203	30
6.078		269	67
6.091		174	60
6.099		351	79
6.129		41866	42627
6.168		129	17
6.194		42341	38027
6.214		2463	1780
6.263		243	38
6.273		124	29
6.278		185	37
6.293		51	39
6.305		246	141
6.314		349	92
6.321		294	100

RT A	Compound A	Height A	Area A
6.33		341	50
6.336		294	97
6.346		341	60
6.352		263	52
6.368		180	71
6.374		221	37
6.382		121	31
6.386		195	45
6.394		256	39
6.407		364	155
6.416		358	91
6.431		195	63
6.438		236	69
6.445		654	166
6.452		349	55
6.457		243	48
6.471		294	181
6.48		101	27
6.502		2497	3036
6.519		247	36
6.524		279	34
6.534		396	125
6.542		481	200
6.573		24617	24854
6.61		186	51
6.618		228	38
6.623		247	118
6.638		92	22
6.653		135	91
6.66		222	52
6.671		309	105
6.678		443	104
6.687		229	56
6.72	DCB	1993288	2179728
6.82		452	202
6.837		456	246
6.865		352	58
6.889		384	113
6.897		279	76
6.903		364	185
6.92		449	407
6.94		562	133
6.948		395	202
6.962		219	38
6.984		472	252

LANCASTER LABORATORIES

Sample Number: IBLKX1724B UYPIBLKUY PIBLK185999999 10227 SW-846 8082
Injected On: 3/1/2018 9:47:42 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.075		19398	33239
2.14		18296	27290
2.201		10045	24552
2.238		8239	5080
2.263		3094	2749
2.323		9449	7546
2.453		6062	6414
2.501		2652	3247
2.569		25436	43071
2.62		14988	41578
2.638		53240	46227
2.688		3269	2544
2.713	TCX	5695767	3493764
2.799		11413	23452
2.917		1810	1694
2.935		77359	48782
2.974		2107	1090
3.053		14432	8565
3.083		2841	1463
3.093		779	128
3.099		580	150
3.116		722	158
3.128		536	166
3.136		1014	202
3.151		900	341
3.171		1163	379
3.215		1702	3306
3.223		986	671
3.248		938	267
3.271		1049	476
3.282		3169	2201
3.309		1184	790
3.323		807	148
3.331		966	428
3.349		659	158
3.358		941	203
3.373		1169	277
3.386		562	171
3.402		8728	4808
3.432		14464	14284
3.467		1208	919
3.481		407	195
3.491		1093	337
3.511		668	178
3.517		1113	438
3.538		539	331
3.558		1492	630
3.572		838	209
3.582		475	127
3.589		653	122
3.609		601	85
3.622		771	258
3.638		597	142
3.645		737	153

RT B	Compound B	Height B	Area B
3.658		1407	722
3.67		405	66
3.676		1136	423
3.693		2418	4220
3.733		2463	2016
3.767		1182	595
3.779		643	169
3.791		938	442
3.826		5379	6950
3.886		1177	522
3.942		5338	11530
4.016		4384	12108
4.075		22036	23739
4.12		1610	846
4.162		1551	1370
4.214		4093	3594
4.274		4197	4189
4.298		3880	3846
4.38		2527	4914
4.454		771	381
4.47		11515	10364
4.566		968	2528
4.598		22200	21982
4.642		1678	1297
4.663		1441	710
4.727		3978	6059
4.787		1331	502
4.803		2909	2774
4.835		27266	20611
4.863		1973	1359
4.911		2205	1651
4.955		833	491
4.974		1269	495
5.023		1665	1837
5.039		1018	410
5.101		6274	9433
5.161		5677	8830
5.219		954	374
5.238		21878	17549
5.279		2366	2381
5.298		757	318
5.322		1548	1052
5.36		56221	57192
5.452		1117	1424
5.5		1590	1120
5.549		4601	4985
5.582		1481	2334
5.7		53953	51466
5.768		70661	62505
5.817		17967	16146
5.916		2081	7250
5.985		1168	1158
6.036		1211	2419
6.085		1683	1698
6.121		37249	32273
6.243		1422	1079
6.282	DCB	2947315	2766407
6.473		917	920
6.5		1462	854
6.618		1442	1144
6.707		1085	1475
6.734		3422	4863
6.911		840	312
6.936		1321	398
6.971		1348	301

IBLKX1724B UYPIBLKUY PIBLK185999999 10227 SW-846 8082

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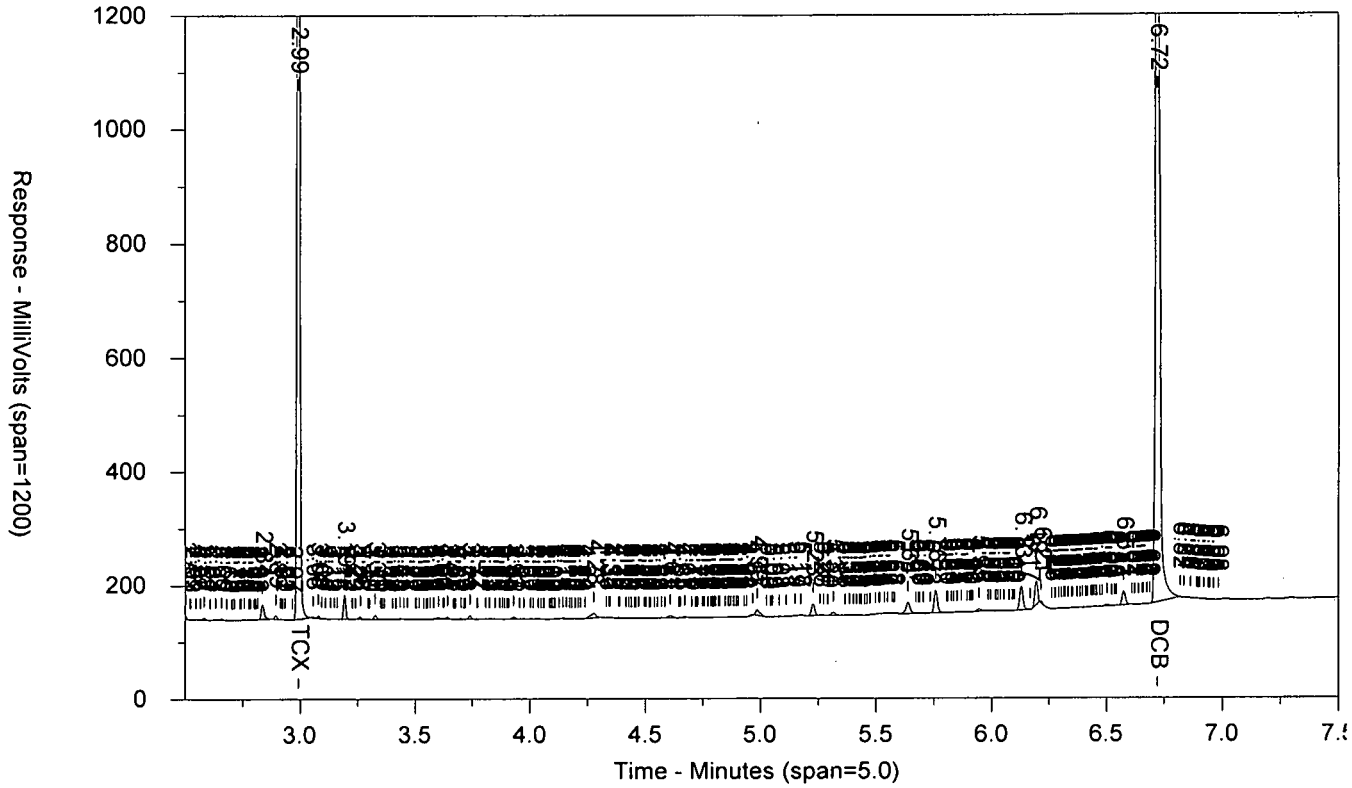

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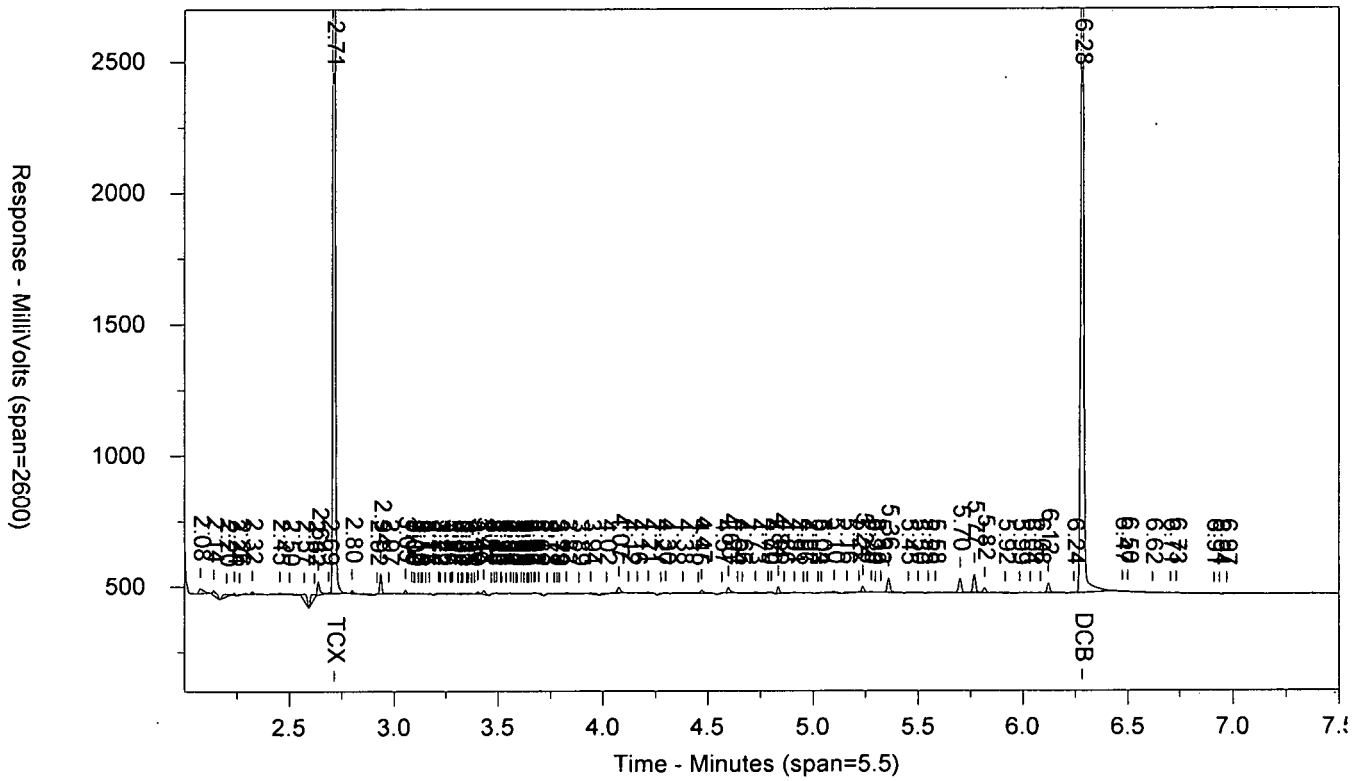

LANCASTER LABORATORIES

Sample Number: IBLKX1724B UYPIBLKUY PIBLK185999999 10227 SW-846 8082
Injected On: 3/1/2018 9:47:42 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	3241485	.211	TCX	2.713	5695767	.216	TCX
6.72	1993288	.211	DCB	6.282	2947315	.205	DCB

Files:
Area File: 25PCBs18047010.006.RAW
Area File: 25PCBs18047010B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/1/2018 9:56:13 PM
File Reported On: 3/2/2018 at 8:59:16 AM

IBLKX1724B UYPIBLKUY PIBLK185999999 10227 SW-846 8082

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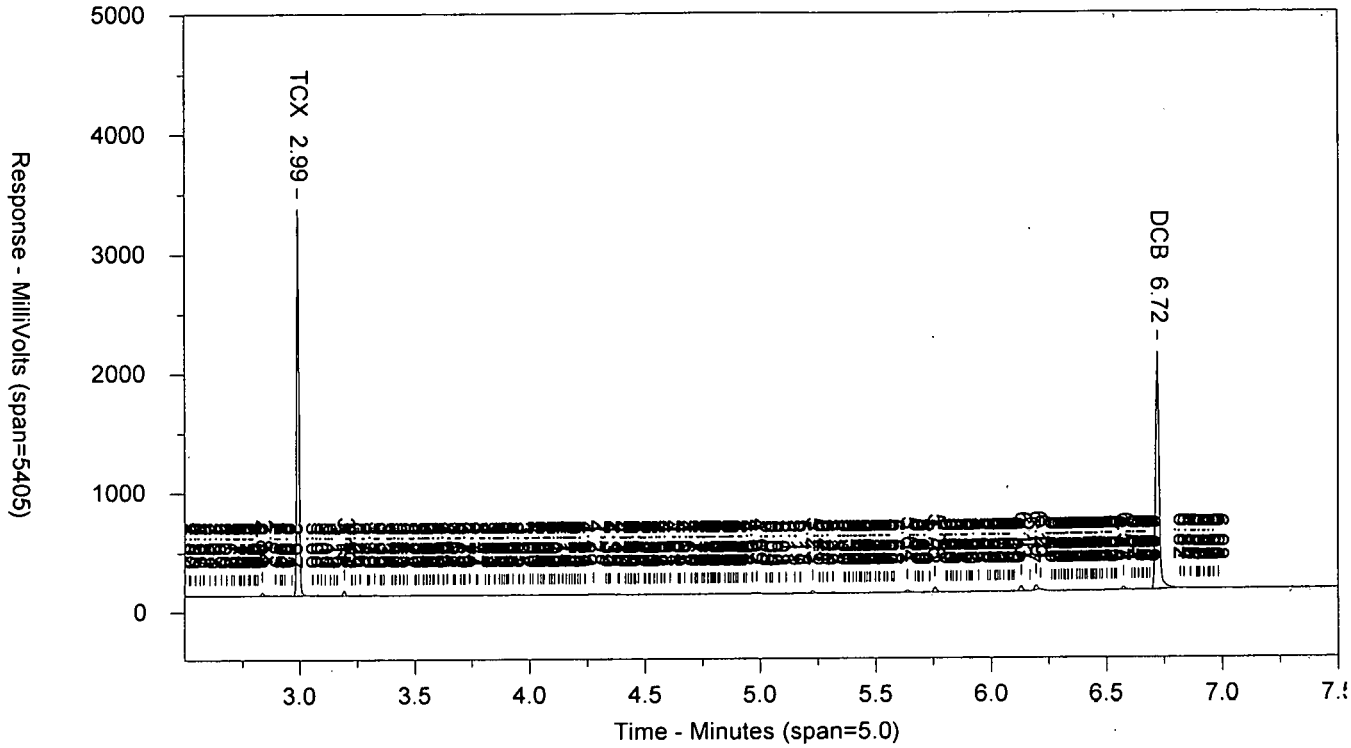

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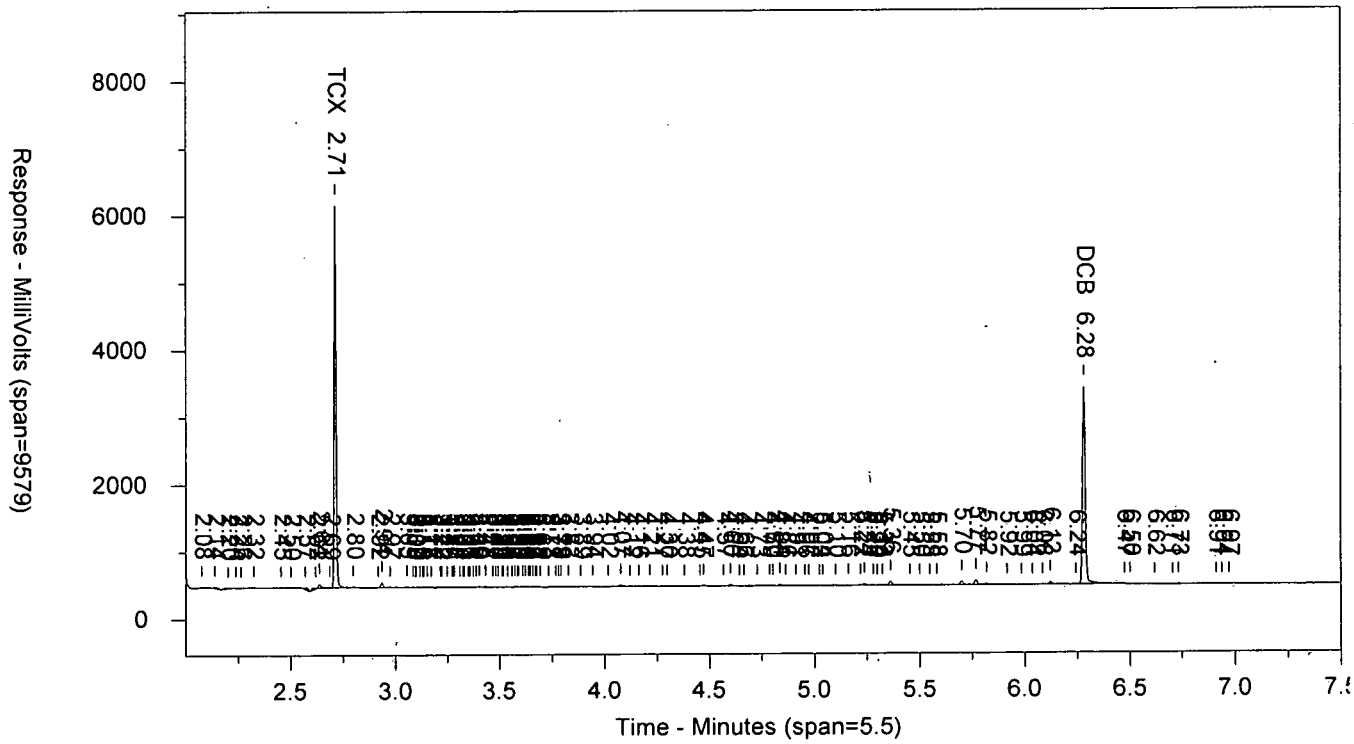

IBLKX1724B UYPIBLKUY PIBLK185999999 10227 SW-846 8082

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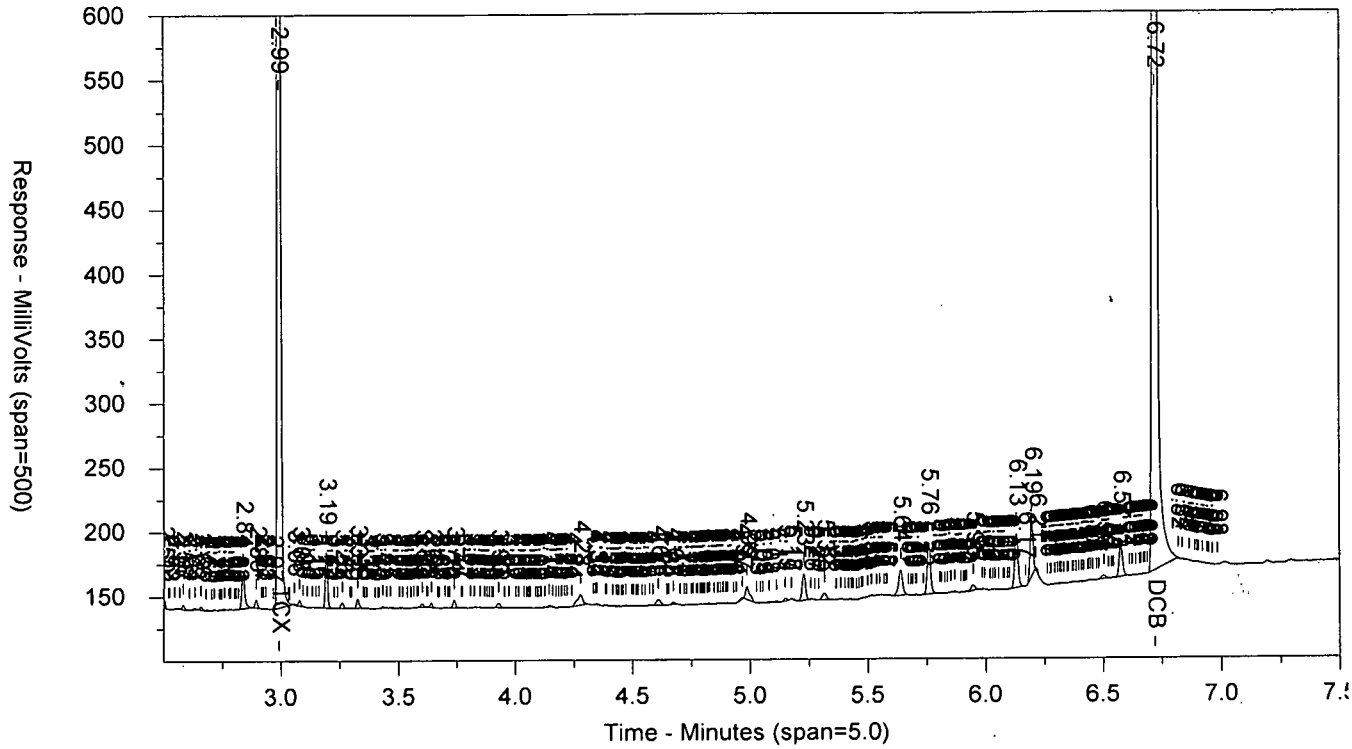

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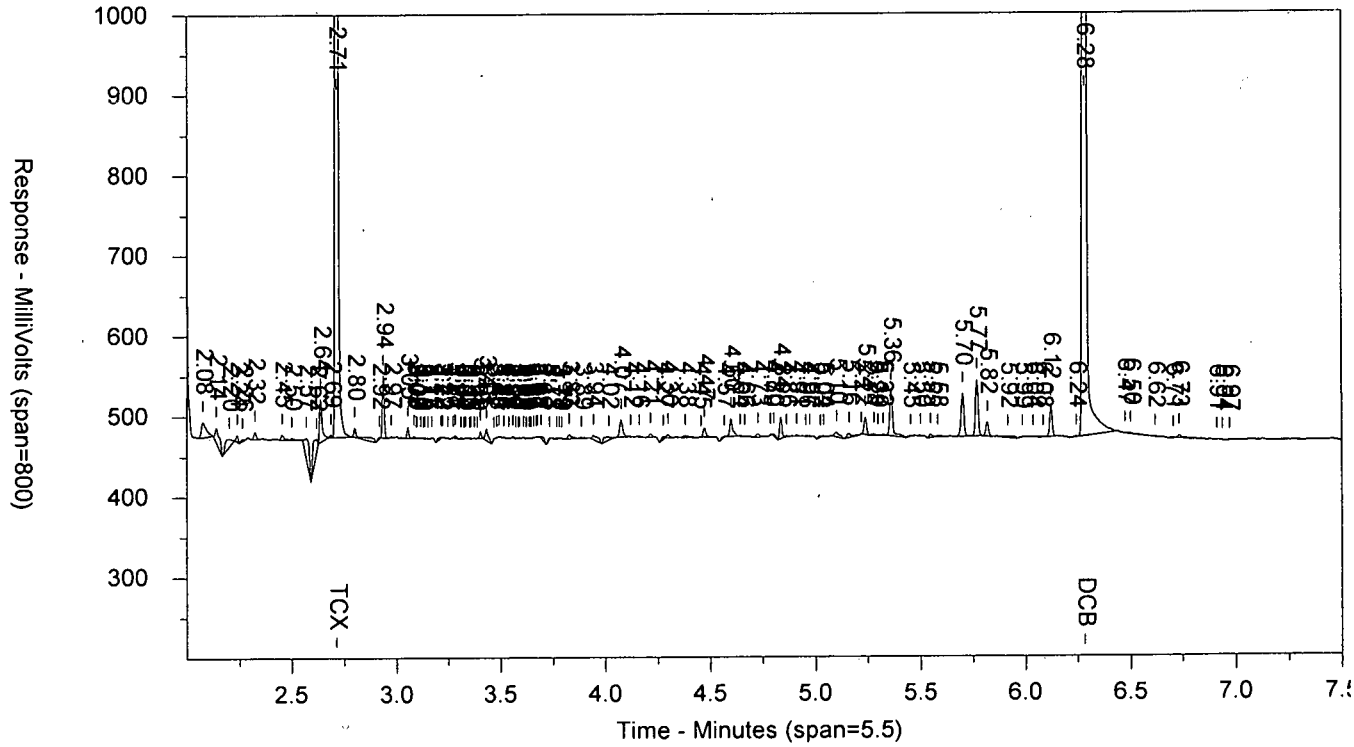

LANCASTER LABORATORIES

Sample Number: AR1641724C BTAR164BT CCAL 185999999 10227 SW-846 8082
Injected On: 3/1/2018 11:30:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.019		573	308
2.036		6557	5531
2.079		149	159
2.093		184	76
2.105		472	353
2.125		146	31
2.151		7481	13482
2.2		400	163
2.245		174	64
2.26		478	230
2.282		29303	22246
2.337		350	68
2.348		240	51
2.373		15557	9232
2.393		10582	6504
2.435		1792	1524
2.462		367	71
2.488		4896	3858
2.507		199	23
2.514		327	94
2.523		189	46
2.532		163	41
2.538		155	23
2.554		811	557
2.584		167	26
2.589		188	88
2.603		108	21
2.609		338	78
2.615		130	19
2.63		9600	7166
2.67		228	38
2.679		140	26
2.707		173	22
2.715		570	223
2.732		229	63
2.74		190	72
2.752		147	38
2.766		168	64
2.771		315	53
2.777		210	32
2.798		392	150
2.811		211	123
2.837		25964	23281
2.871		197	49
2.893		3385	2216
2.906		473	364
2.93		164	90
2.957		146	29
2.992	TCX	6218880	4110667
3.076		545	359
3.093		902	386
3.11		524	257
3.143		108140	90809
3.2		127154	128471

RT A	Compound A	Height A	Area A
3.229		150	22
3.249		515217	356744
3.324		11107	5859
3.343		67600	42745
3.382		1951	1246
3.402		151	25
3.407		170	42
3.422		375	108
3.465		534524	315713
3.482		255534	136654
3.519		68340	37644
3.536		24214	10374
3.551		33681	18015
3.582		621507	460597
3.618		2540	1138
3.638		6067	3773
3.657		30066	19454
3.693		131213	77378
3.708		69476	35272
3.752		351427	168796
3.764		577515	313984
3.803		681517	529932
3.864		591127	451037
3.905		50671	33920
3.931		415009	306108
3.96		301999	264437
3.982		83329	44405
4.06		446274	331198
4.085		162920	104820
4.116		187427	135554
4.152		425497	461031
4.193		155735	121025
4.223		491	178
4.239		17445	12498
4.278		33588	26936
4.315		450994	337221
4.335		105587	61884
4.359		115752	89522
4.428		68268	59419
4.472		460464	427395
4.507		18002	12361
4.544		321	193
4.57		8479	7164
4.612		103270	108496
4.669		49720	35877
4.685		112532	74096
4.731		279831	252156
4.778		425225	482214
4.815		113744	84621
4.856		935356	890304
4.899		16487	13816
4.946		134212	151734
4.981		28545	19737
5.005		156355	140153
5.059		804491	644955
5.075		69213	48586
5.109		227743	201745
5.152		530238	598409
5.194		10980	5774
5.229		121277	152656
5.266		1175727	1075172
5.289		30064	14507
5.306		15539	5751
5.33		634862	559438
5.373		405121	392839
5.472		72400	66096

RT A	Compound A	Height A	Area A
5.494		659745	604891
5.553		350221	317978
5.592		186693	173572
5.634		76418	72787
5.677		226211	240284
5.732		1672112	2038636
5.876		1644	1577
5.938		907807	962567
5.983		8145	44991
5.991		106213	77546
6.082		355	43
6.087		395	196
6.125		90413	91744
6.189		67316	52661
6.211		178132	150543
6.292		221	41
6.314		378	131
6.328		270	44
6.334		275	50
6.367		427765	472415
6.412		25966	23105
6.46		335	117
6.494		2400	2959
6.532		263	109
6.538		358	99
6.568		164319	181509
6.632		197	96
6.645		238	64
6.668		688	534
6.715	DCB	3652341	3961667
6.825		1251	1222
6.889		319	560
6.926		347	132
6.939		554	219
6.953		340	84
6.97		359	51
6.978		563	207
6.993		161	44

LANCASTER LABORATORIES

Sample Number: AR1641724C BTAR164BT CCAL 185999999 10227 SW-846 8082
Injected On: 3/1/2018 11:30:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.01		31457	18025
2.077		16047	27408
2.14		20786	16204
2.233		4933	3532
2.275		2430	4483
2.294		1454	815
2.32		3536	5863
2.39		13407	9293
2.454		2362	2878
2.507		1289	712
2.57		16356	28078
2.619		13733	30982
2.638		49348	36484
2.713	TCX	11233990	6701916
2.756		75570	52569
2.801		1624	2366
2.886		216024	148489
2.916		2437	1252
2.935		73645	33639
2.947		140249	67022
3		878709	574245
3.053		26069	15334
3.071		663	109
3.084		1052	245
3.113		123042	80033
3.141		844	157
3.148		1093	388
3.157		642	140
3.176		4072	2901
3.21		763511	378607
3.222		245131	99368
3.263		135326	86096
3.285		76112	43342
3.311		87697	49788
3.335		1016589	706646
3.372		58675	35314
3.401		8504	3896
3.419		253060	135675
3.434		149026	74839
3.486		587159	292522
3.496		1057964	460561
3.516		44399	15448
3.53		1043383	712007
3.576		1421	270
3.606		1087771	698336
3.64		711835	451494
3.664		806609	463157
3.683		234241	126489
3.73		1748	1550
3.736		819	174
3.752		529	89
3.771		870896	606296
3.796		329471	191121
3.818		311074	201842

RT B	Compound B	Height B	Area B
3.85		230102	126900
3.868		684365	442522
3.911		268392	206444
3.959		60068	59880
3.982		176181	107860
4.005		910086	631809
4.031		198317	124349
4.052		33277	16348
4.071		120244	79633
4.108		733882	541653
4.144		47861	31595
4.161		74864	46941
4.227		8042	9882
4.25		102983	126647
4.295		10186	5975
4.319		214474	156607
4.364		193878	119497
4.383		157989	79992
4.396		466655	271979
4.423		288505	307212
4.477		1602967	1278562
4.522		43938	40832
4.55		165921	112877
4.575		344467	253153
4.595		9805	3766
4.619		1788518	1430976
4.727		1501435	1475795
4.782		210648	184891
4.822		400051	375691
4.86		1754046	1495767
4.892		847657	631729
4.932		612263	494670
4.998		3866	4117
5.036		225073	242771
5.089		1114346	932719
5.113		160724	109388
5.163		605574	568190
5.199		303638	241142
5.228		224058	201417
5.261		76030	44035
5.282		2637138	2167529
5.324		56718	42851
5.357		192254	170295
5.442		2092	2157
5.474		28623	18445
5.497		543779	460733
5.542		1779906	1910285
5.697		123070	108455
5.74		46653	33954
5.765		132266	108108
5.815		342490	304915
5.919		699827	598651
5.951		44504	33193
6.041		1422	759
6.119		246445	214987
6.237		1107	1323
6.279	DCB	5473953	4976942
6.562		1378	572
6.731		6593	7351
6.834		1054	294
6.887		1104	441
6.904		1213	630
6.978		1148	1531

AR1641724C BTAR164BT CCAL 185999999 10227 SW-846 808:

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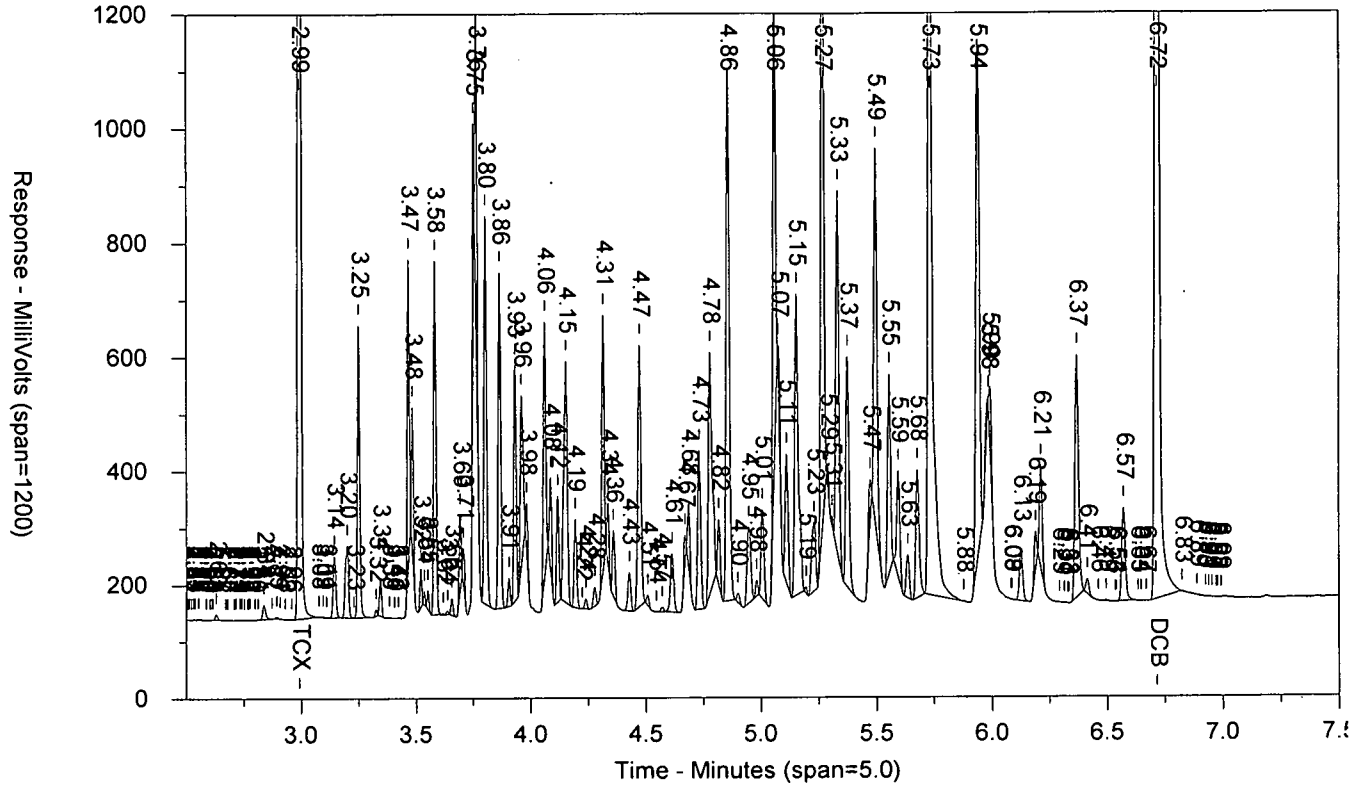

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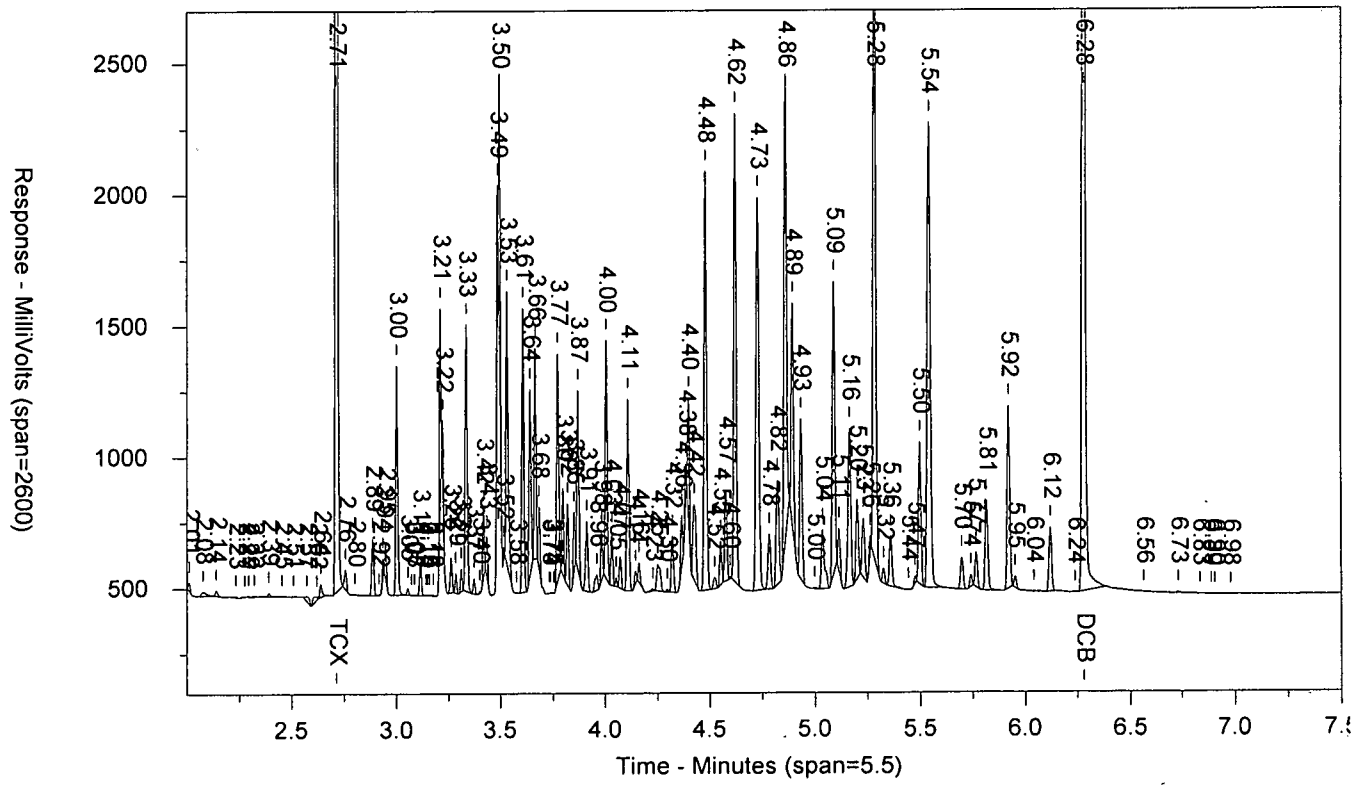

LANCASTER LABORATORIES

Sample Number: AR1641724C BTAR164BT CCAL 185999999 10227 SW-846 8082
Injected On: 3/1/2018 11:30:18 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	6218880	40.428	TCX	2.713	11233990	42.553	TCX
6.715	3652341	38.711	DCB	6.279	5473953	38.054	DCB

Files:
Area File: 25PCBs18047010.015.RAW
Area File: 25PCBs18047010B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/1/2018 11:38:50 PM
File Reported On: 3/2/2018 at 9:02:33 AM

AR1641724C BTAR164BT CCAL 185999999 10227 SW-846 808:

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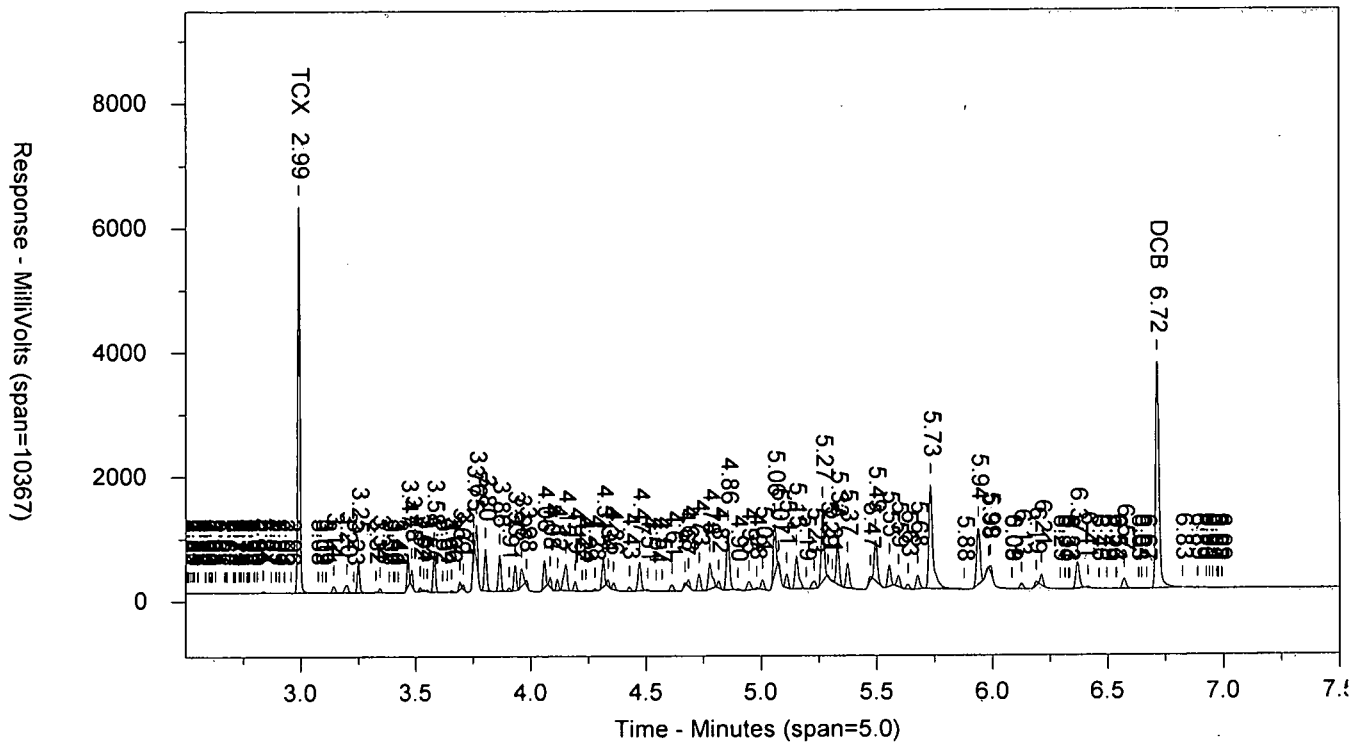

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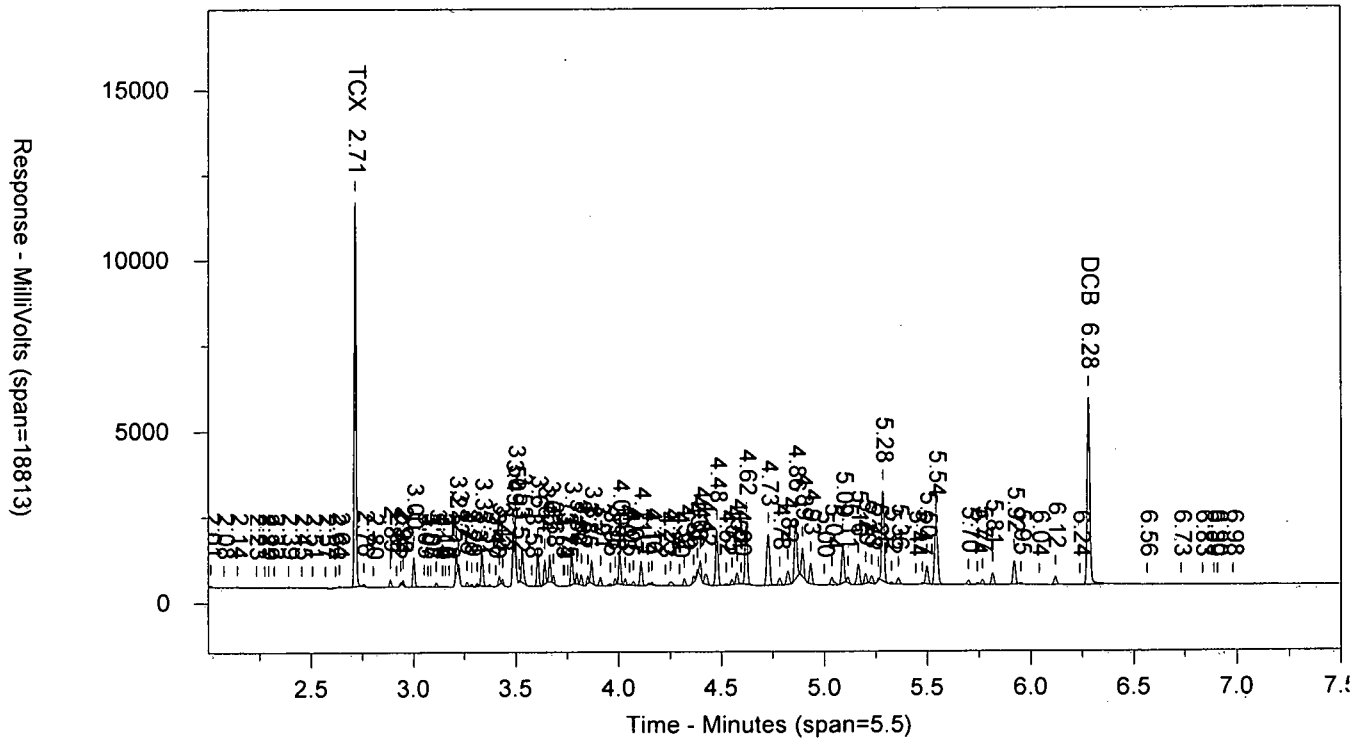

AR1641724C BTAR164BT CCAL 185999999 10227 SW-846 808

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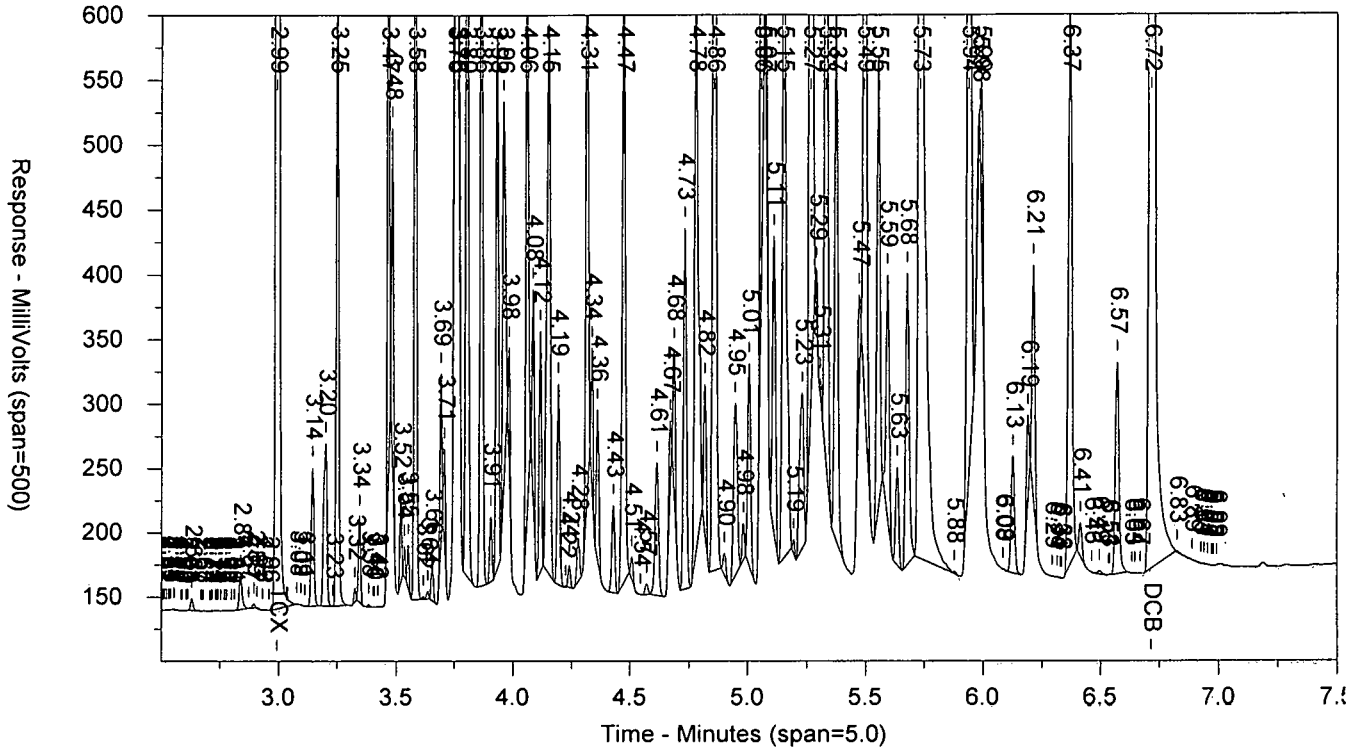

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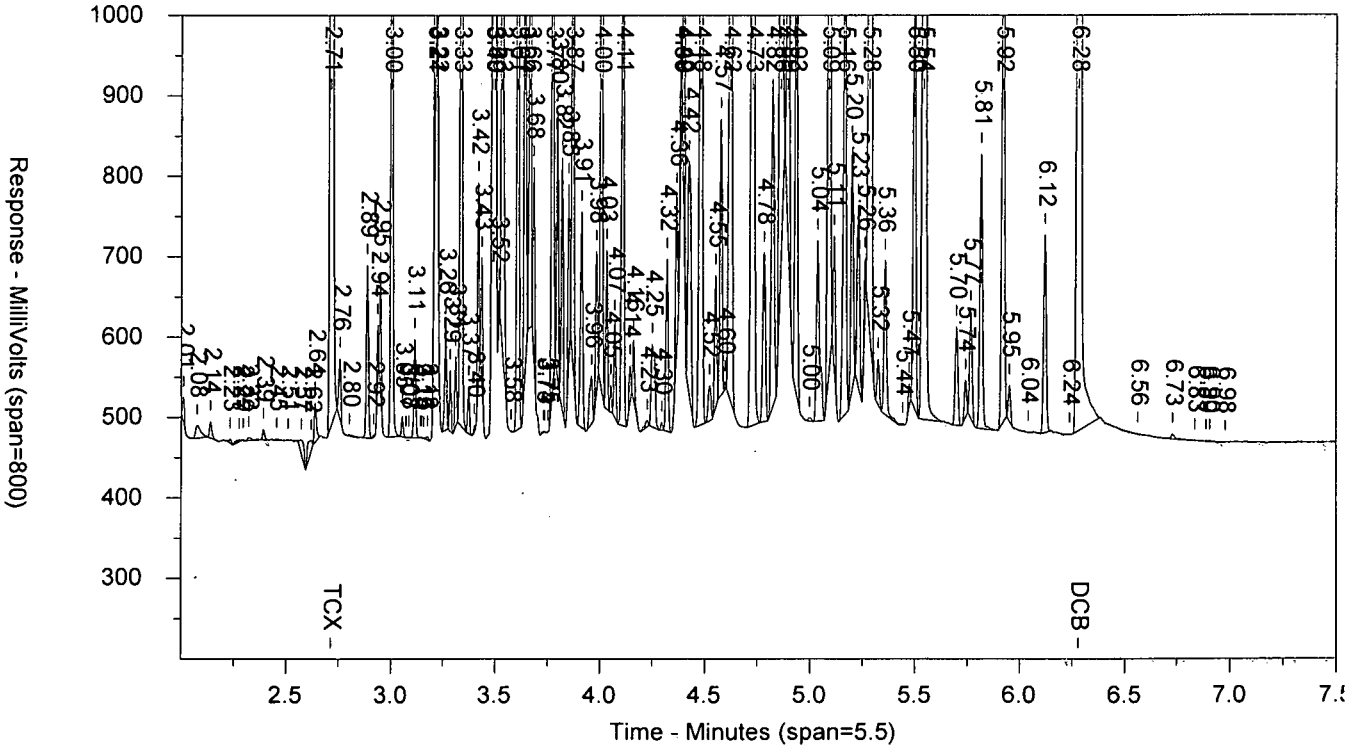

LANCASTER LABORATORIES

Sample Number: IBLKX1724B UZPIBLKUZ PIBLK185999999 10227 SW-846 8082
Injected On: 3/1/2018 11:41:38 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.015		521	297
2.036		7560	6236
2.058		115	19
2.072		924	575
2.087		234	118
2.101		1918	1413
2.151		7778	13650
2.195		332	189
2.212		253	57
2.249		230	41
2.261		453	262
2.282		16244	10853
2.318		149	26
2.323		242	44
2.338		257	40
2.346		398	95
2.354		280	60
2.374		114472	74808
2.393		3436	1486
2.411		1291	508
2.434		1889	2544
2.489		3694	2215
2.503		5258	2614
2.524		348	91
2.536		180	80
2.553		805	415
2.565		391	138
2.583		3803	2551
2.606		178	28
2.614		260	88
2.632		1271	997
2.659		2647	1622
2.678		142	25
2.684		299	151
2.716		1126	829
2.738		618	305
2.757		1389	785
2.768		280	60
2.786		814	552
2.799		184	62
2.81		263	105
2.836		28167	25716
2.893		4275	3332
2.92		521	198
2.933		1103	781
2.954		350	103
2.965		162	25
2.992	TCX	3324810	2195469
3.052		161	33
3.057		514	176
3.078		4554	3364
3.109		479	138
3.121		219	89
3.127		271	44

RT A	Compound A	Height A	Area A
3.138		283	97
3.144		372	51
3.15		429	120
3.163		80	14
3.167		261	62
3.193		44195	29920
3.23		156	50
3.259		4642	4197
3.286		213	58
3.297		174	27
3.325		7631	5444
3.347		249	64
3.368		159	67
3.381		265	41
3.389		296	74
3.396		116	21
3.403		233	50
3.432		548	344
3.445		153	32
3.466		650	605
3.486		260	28
3.49		219	30
3.497		148	35
3.51		246	125
3.534		315	132
3.543		120	35
3.554		222	40
3.561		406	128
3.586		214	141
3.599		2802	2271
3.621		314	77
3.627		233	47
3.64		3171	1788
3.66		262	96
3.671		311	141
3.682		130	35
3.701		1192	934
3.72		112	16
3.737		6609	4882
3.759		165	39
3.765		582	265
3.782		311	117
3.801		190	48
3.808		501	180
3.823		673	309
3.844		618	465
3.86		262	73
3.866		336	55
3.884		308	87
3.893		266	55
3.907		219	127
3.927		3797	3577
3.949		287	125
3.964		328	141
3.986		335	138
4.017		288	72
4.028		285	72
4.057		398	240
4.073		155	41
4.085		252	112
4.098		219	71
4.105		195	49
4.112		249	44
4.126		149	64
4.142		456	234
4.148		381	272

RT A	Compound A	Height A	Area A
4.177		124	30
4.198		402	244
4.212		624	207
4.22		191	52
4.235		124	35
4.274		7001	11644
4.338		416	231
4.381		682	393
4.399		257	83
4.41		272	116
4.422		172	40
4.429		264	39
4.434		301	184
4.464		242	98
4.469		287	161
4.49		144	32
4.514		302	237
4.525		226	44
4.535		222	40
4.545		136	20
4.55		211	59
4.559		213	38
4.574		347	294
4.606		4515	6059
4.643		133	24
4.654		184	37
4.67		2201	1734
4.694		259	37
4.714		418	72
4.722		296	72
4.732		159	57
4.74		306	98
4.753		276	82
4.773		305	182
4.793		265	58
4.799		199	27
4.809		159	74
4.821		866	574
4.837		115	32
4.842		238	47
4.856		186	33
4.863		148	33
4.88		139	44
4.893		290	92
4.902		399	51
4.909		249	83
4.919		155	9
4.934		307	48
4.962		1445	1455
4.983		11299	13448
5.037		339	64
5.043		201	32
5.051		189	66
5.057		263	97
5.079		396	185
5.086		333	117
5.11		894	563
5.119		285	32
5.149		2135	1787
5.176		1763	1673
5.225		22823	22244
5.259		655	401
5.286		133	35
5.313		4999	6252
5.346		163	31
5.354		235	27

RT A	Compound A	Height A	Area A
5.364		175	62
5.371		195	54
5.38		153	46
5.39		274	72
5.418		278	126
5.431		573	301
5.447		277	69
5.48		428	526
5.498		288	225
5.509		266	54
5.52		168	16
5.534		512	172
5.542		110	19
5.552		549	432
5.578		939	517
5.585		383	61
5.597		508	101
5.635		21278	26970
5.68		141	24
5.691		184	56
5.698		550	385
5.722		149	28
5.756		45737	43871
5.795		190	25
5.827		133	28
5.832		230	30
5.853		207	247
5.86		931	546
5.878		203	67
5.89		182	21
5.903		243	154
5.912		296	99
5.943		4609	6196
5.988		510	404
5.995		472	122
6.012		190	50
6.017		201	33
6.026		421	82
6.035		304	119
6.046		356	97
6.055		338	131
6.073		143	49
6.078		386	97
6.085		325	65
6.092		395	92
6.1		188	40
6.126		46457	47241
6.191		47437	41263
6.212		4139	2409
6.27		433	180
6.298		513	458
6.31		443	116
6.321		186	34
6.327		252	46
6.342		233	62
6.354		122	69
6.363		159	96
6.369		310	129
6.394		402	125
6.403		155	50
6.409		168	29
6.434		363	145
6.44		380	65
6.445		363	76
6.47		243	114
6.475		237	44

RT A	Compound A	Height A	Area A
6.498		2616	3130
6.529		422	129
6.534		397	61
6.546		185	18
6.569		25152	26984
6.61		80	12
6.614		390	67
6.625		158	28
6.633		283	45
6.638		543	91
6.643		226	33
6.651		148	59
6.67		345	191
6.679		197	31
6.716	DCB	1944380	2156021
6.83		284	96
6.834		630	509
6.885		325	218
6.906		315	137
6.917		392	303
6.947		392	65
6.954		366	158
6.972		242	71
6.978		227	47
6.992		210	62
6.997		180	30

LANCASTER LABORATORIES

Sample Number: IBLKX1724B UZPIBLKUZ PIBLK185999999 10227 SW-846 8082
Injected On: 3/1/2018 11:41:38 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.076		17684	30334
2.14		17631	26521
2.208		7090	23822
2.238		9509	6076
2.282		701	3962
2.323		9436	7731
2.36		2502	2233
2.456		6668	5570
2.563		12663	33492
2.611		21537	32670
2.637		54610	55781
2.713	TCX	5736623	3577983
2.8		9327	6789
2.843		2675	11039
2.935		85805	66246
3.054		15116	8986
3.073		1266	230
3.081		1289	305
3.104		1709	886
3.111		1018	135
3.121		590	163
3.133		913	510
3.158		835	489
3.176		3603	2573
3.202		1487	1073
3.208		595	65
3.218		370	156
3.224		1235	219
3.23		962	314
3.262		634	116
3.271		726	443
3.281		2308	1237
3.308		1366	657
3.329		667	112
3.335		800	233
3.347		997	604
3.369		1018	429
3.387		618	220
3.402		6796	3776
3.431		15256	16156
3.47		1568	1497
3.489		1064	527
3.495		1137	325
3.512		2282	1421
3.539		685	259
3.557		2552	1177
3.572		896	133
3.59		1324	903
3.604		538	102
3.62		470	72
3.63		408	104
3.637		438	132
3.652		1115	333
3.661		1762	1011

RT B	Compound B	Height B	Area B
3.689		782	141
3.727		1208	802
3.736		372	149
3.765		589	232
3.769		598	238
3.783		768	257
3.793		1479	685
3.823		2668	3246
3.85		1859	1276
3.895		2902	4214
3.961		3810	4105
3.994		1914	1773
4.074		22858	23645
4.114		1227	679
4.163		2039	2032
4.19		942	426
4.215		5310	4400
4.276		2191	2183
4.296		4915	3862
4.378		889	521
4.468		12835	24099
4.555		3377	2513
4.596		23839	25376
4.701		744	175
4.725		4429	6266
4.785		1251	815
4.802		3119	2294
4.833		29732	24865
4.905		2468	3299
4.986		2752	3075
5.029		1389	2286
5.097		7391	15062
5.156		6196	8239
5.205		1334	1055
5.236		25643	23033
5.269		1919	1680
5.358		62745	53368
5.514		3643	14808
5.547		3895	4304
5.65		1115	193
5.698		61456	56446
5.766		76291	69174
5.814		19712	17229
5.925		1807	3302
5.988		1140	1388
6.056		866	289
6.081		1327	1052
6.119		40063	34192
6.148		1614	982
6.241		1268	1924
6.279	DCB	2957233	2748627
6.461		1474	1488
6.52		855	1635
6.609		1211	853
6.647		943	306
6.693		1313	1002
6.73		3765	6090
6.972		1126	996

IBLKX1724B UZPIBLKUZ PIBLK185999999 10227 SW-846 8082

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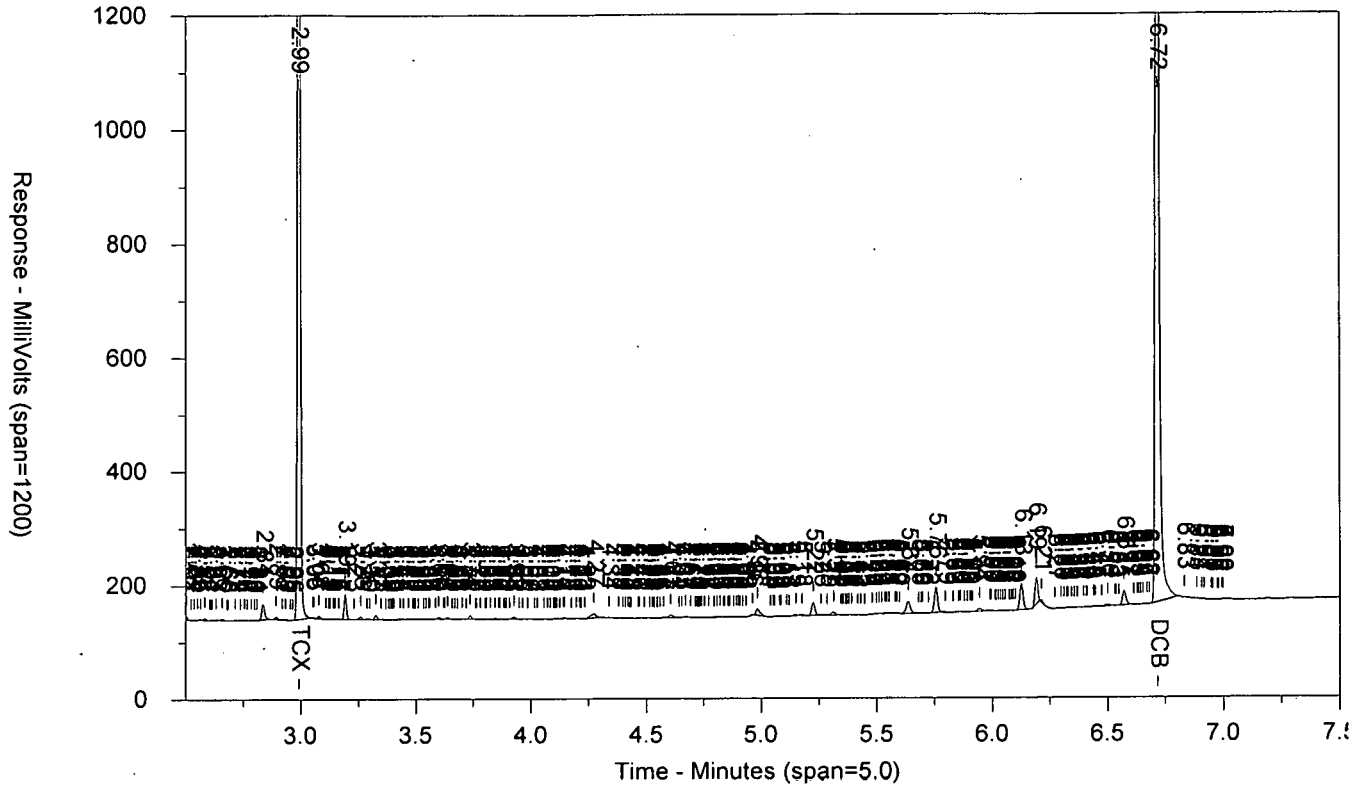

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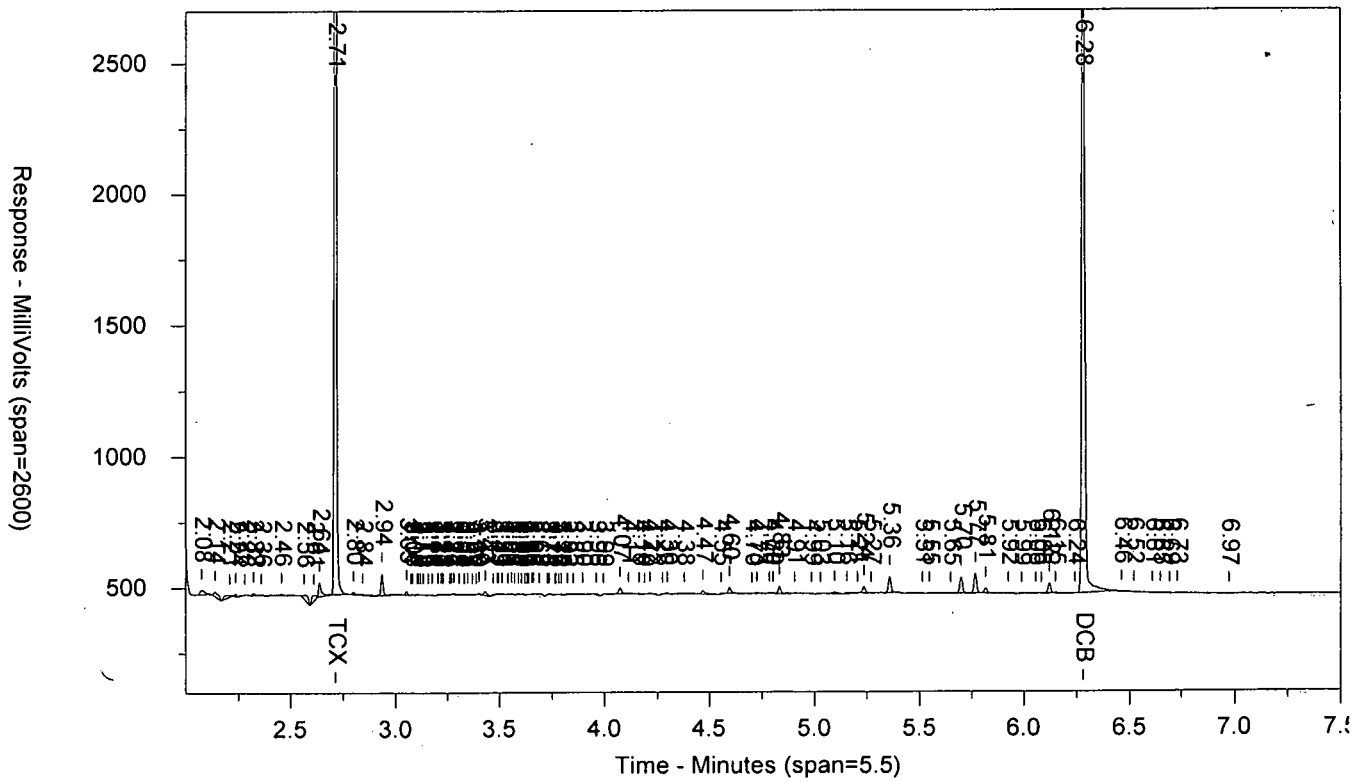

LANCASTER LABORATORIES

Sample Number: IBLKX1724B UZPIBLKUZ PIBLK185999999 10227 SW-846 8082
Injected On: 3/1/2018 11:41:38 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	3324810	.216	TCX	2.713	5736623	.217	TCX
6.716	1944380	.206	DCB	6.279	2957233	.206	DCB

Files:
Area File: 25PCBs18047010.016.RAW
Area File: 25PCBs18047010B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/1/2018 11:50:09 PM
File Reported On: 3/2/2018 at 9:02:55 AM

IBLKX1724B UZPIBLKUZ PIBLK185999999 10227 SW-846 8082

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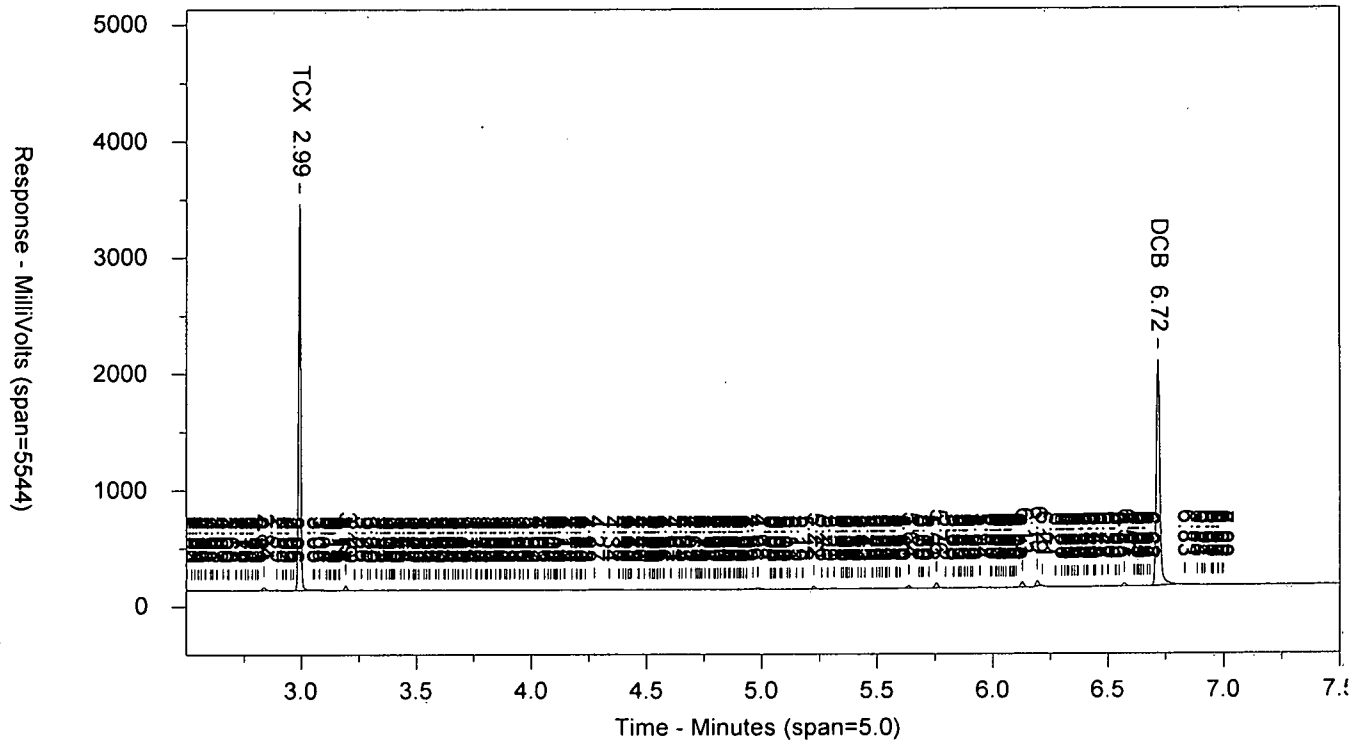

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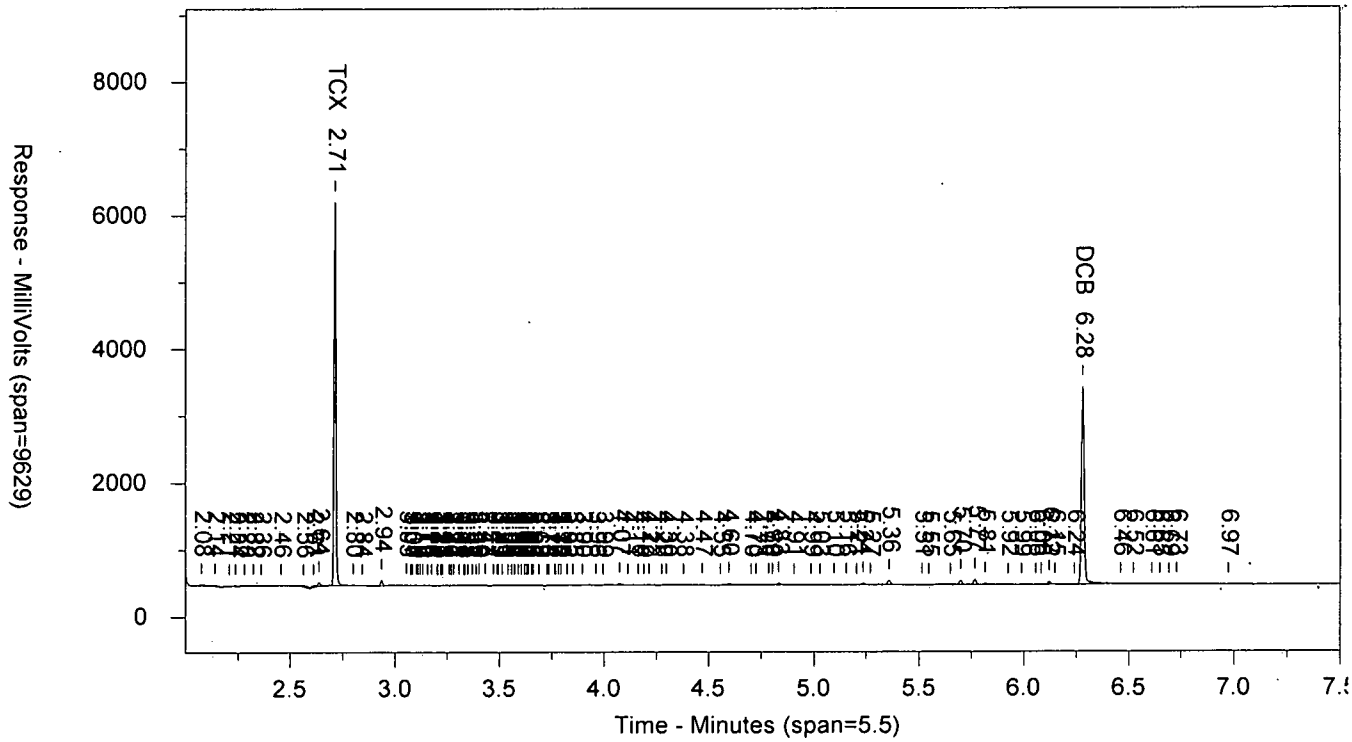

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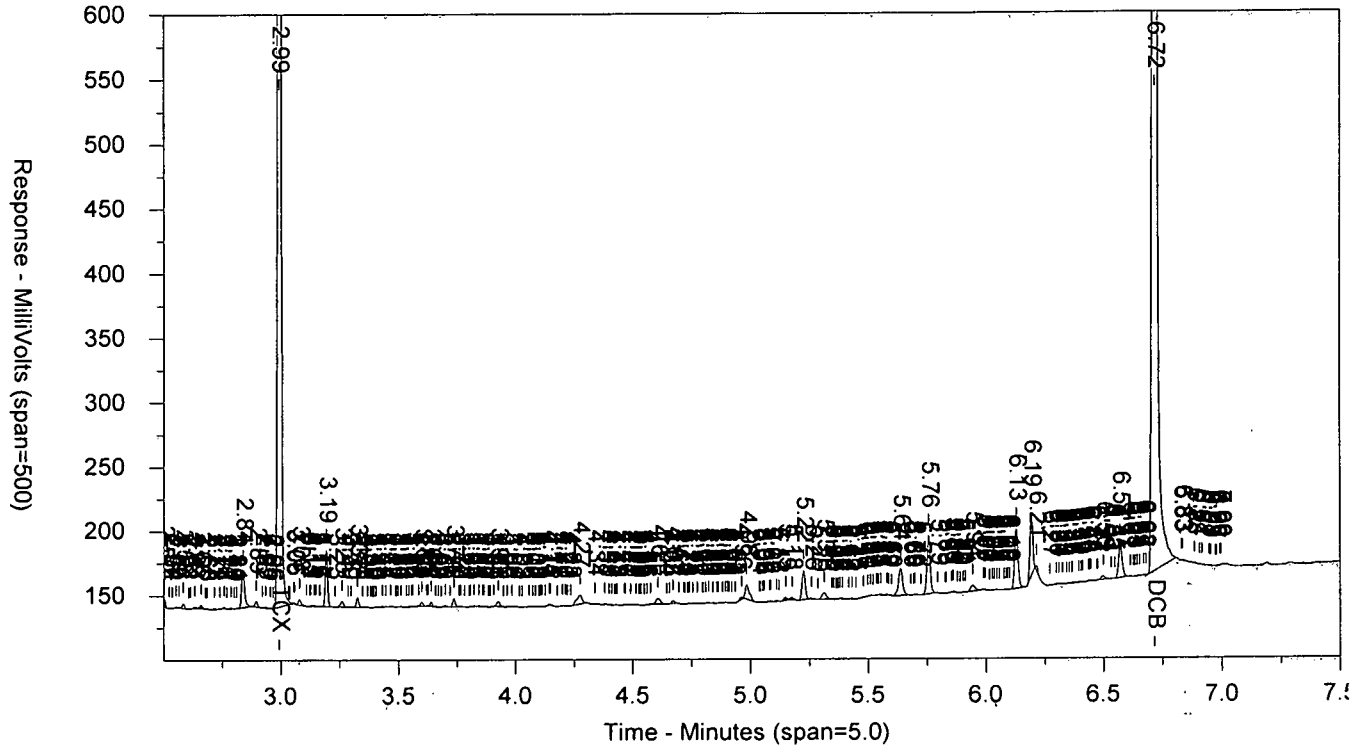

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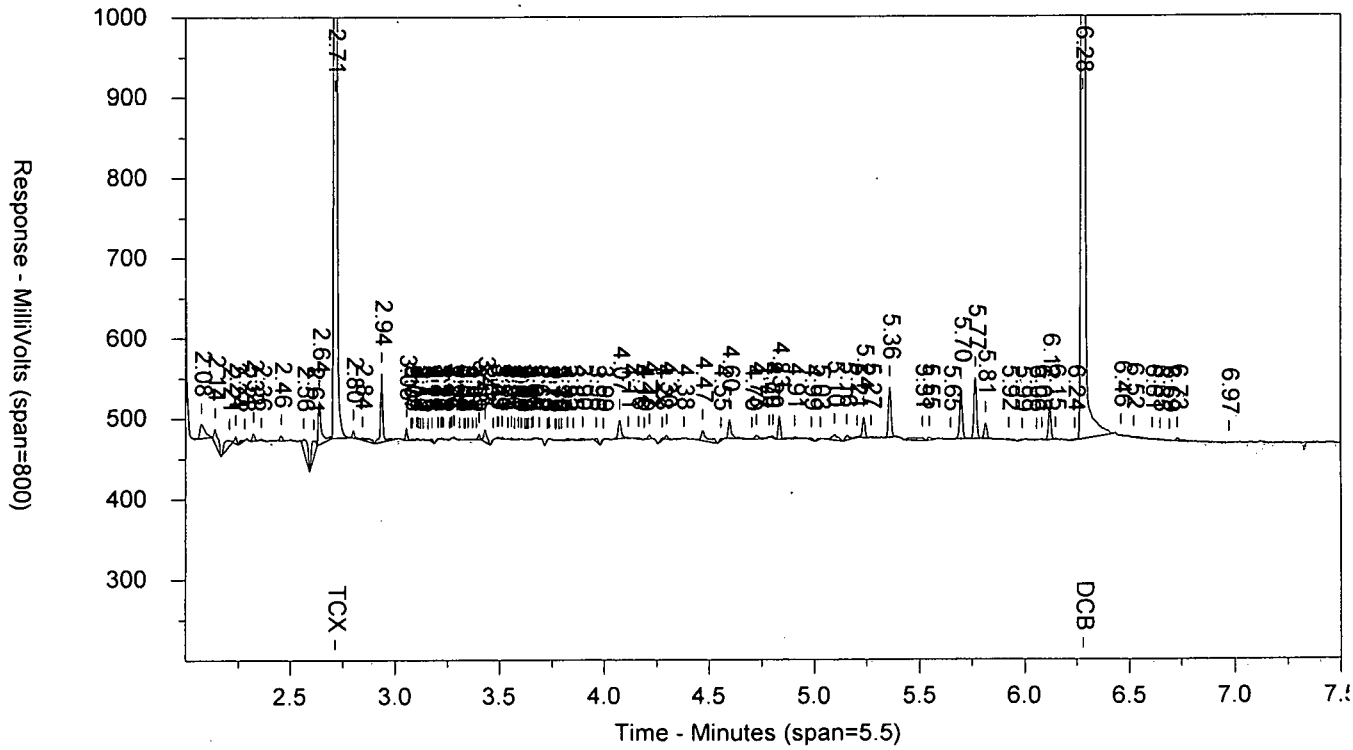

LANCASTER LABORATORIES

Sample Number: AR1641724C BUAR164BU CCAL 185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:00:43 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.012		197	75
2.019		422	111
2.036		8037	6459
2.059		112	27
2.068		460	103
2.075		462	148
2.081		382	83
2.09		229	78
2.097		263	78
2.103		237	113
2.121		193	36
2.149		10985	20100
2.261		540	349
2.282		29865	22386
2.323		356	213
2.34		407	131
2.374		15100	8903
2.393		10548	6107
2.434		1916	1796
2.489		5888	4561
2.51		165	41
2.523		143	40
2.536		394	176
2.55		554	139
2.556		286	126
2.569		303	53
2.582		138	58
2.602		253	38
2.611		345	161
2.63		9202	7266
2.667		347	124
2.681		429	95
2.69		385	85
2.695		273	55
2.71		236	49
2.716		234	47
2.727		222	29
2.738		220	100
2.743		271	59
2.757		153	38
2.764		184	32
2.769		297	89
2.783		280	94
2.791		339	122
2.81		208	102
2.836		38886	37415
2.894		3447	2227
2.908		656	372
2.945		239	127
2.957		177	30
2.992	TCX	6233271	4048071
3.078		672	321
3.095		1055	561
3.114		493	212

RT A	Compound A	Height A	Area A
3.144		103794	88891
3.2		125599	128138
3.25		499036	353120
3.325		10002	5183
3.343		66257	41133
3.372		188	34
3.384		1782	1149
3.403		237	50
3.418		173	32
3.43		922	661
3.466		520563	307416
3.483		248932	136803
3.521		66306	37626
3.537		21980	9599
3.552		34622	18724
3.583		613119	451778
3.619		2488	1185
3.637		4843	3061
3.658		29589	19321
3.694		132080	77649
3.709		73921	35490
3.754		349510	175547
3.765		591113	293564
3.804		652175	523170
3.865		577945	445449
3.906		51543	34654
3.934		419955	300802
3.961		294020	255724
3.984		86520	47088
4.033		232	46
4.061		439446	319882
4.086		155602	105944
4.117		177248	133239
4.154		422969	453161
4.194		149441	120129
4.241		18941	14144
4.279		34012	27337
4.316		443617	328632
4.336		112639	65123
4.361		120909	90685
4.429		69839	59128
4.473		438051	419066
4.508		16850	11009
4.543		238	131
4.572		8162	6590
4.613		95452	100364
4.67		51609	33321
4.686		110392	73898
4.732		274511	247883
4.779		415952	470169
4.817		114497	84321
4.857		923669	858108
4.901		14660	11416
4.949		136760	151576
4.983		25057	17510
5.007		155562	137136
5.06		762251	627522
5.076		67016	48014
5.111		216840	195446
5.154		511454	584399
5.195		11441	6510
5.233		112952	147688
5.268		1095326	1026338
5.289		24847	12989
5.306		12732	4588
5.332		577895	544789

RT A	Compound A	Height A	Area A
5.375		396538	378888
5.44		249	29
5.473		68863	63868
5.496		662068	591403
5.554		346233	310059
5.593		181070	169173
5.635		73007	72169
5.679		227997	241005
5.733		1634403	1958729
5.854		869	178
5.902		131	14
5.94		868828	929685
5.98		47623	58667
5.992		108075	82153
6.125		167292	387838
6.191		64587	50529
6.213		157296	133790
6.242		11463	35284
6.333		301	82
6.369		414782	452044
6.414		24397	22487
6.464		1033	593
6.473		208	25
6.498		5912	9424
6.57		159191	174453
6.621		409	68
6.663		6897	12688
6.717	DCB	3554946	3729605
6.787		613	112
6.802		501	227
6.809		1396	533
6.854		2421	4532
6.86		2623	9444
6.96		672	417
6.985		289	41
6.994		475	102

LANCASTER LABORATORIES

Sample Number: AR1641724C BUAR164BU CCAL 185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:00:43 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.011		31666	17127
2.078		22854	37128
2.14		21186	15846
2.292		2929	10732
2.323		4271	4915
2.39		13266	9443
2.453		2193	3168
2.571		15768	24330
2.619		14016	28845
2.637		72684	58288
2.713	TCX	10813550	6619058
2.756		75474	51692
2.886		210270	145756
2.935		74242	34573
2.947		131168	64009
3		874177	565395
3.054		26046	15339
3.083		2173	1380
3.113		120007	79086
3.142		544	104
3.15		709	112
3.158		684	237
3.175		3189	2344
3.21		741832	376911
3.222		269046	103845
3.263		132455	84937
3.285		72695	42180
3.311		91408	51364
3.335		1008449	696731
3.372		55512	33250
3.401		5451	2235
3.419		258719	140107
3.435		151149	75673
3.466		1437	683
3.486		614155	275516
3.496		1142357	497785
3.516		42923	15923
3.531		1007177	706337
3.607		1078048	691988
3.641		710879	447379
3.665		783167	456613
3.684		241489	129309
3.733		4016	4392
3.772		857922	602726
3.796		330106	190445
3.818		312916	200585
3.85		220755	123657
3.868		698746	444820
3.912		266258	203140
3.96		55358	54427
3.983		175738	107879
4.005		915451	621877
4.032		201238	124912
4.053		32889	16376

RT B	Compound B	Height B	Area B
4.072		118195	79792
4.109		725970	532036
4.145		46452	30364
4.162		69099	46044
4.227		9204	8499
4.251		91071	114926
4.296		9405	5414
4.32		203160	153220
4.365		186348	112262
4.383		161856	80615
4.397		446970	269620
4.424		278260	303650
4.478		1576180	1264002
4.523		40807	37951
4.551		160891	112704
4.576		346537	253655
4.597		7859	2948
4.62		1775481	1423716
4.727		1500947	1453069
4.783		205186	180139
4.823		401293	371351
4.86		1775485	1486793
4.893		830238	617966
4.934		586461	485163
5.037		213897	227020
5.089		1110323	898201
5.114		157244	106912
5.165		593469	535681
5.2		280907	220493
5.229		201926	186305
5.262		76307	44242
5.283		2514416	2092528
5.324		46874	32611
5.358		180400	149690
5.475		28530	18722
5.498		530987	444403
5.543		1714484	1847200
5.699		122674	110143
5.742		46252	33490
5.767		139400	111840
5.815		329791	283361
5.921		676646	605746
5.952		40513	28592
6.021		1676	1294
6.05		6215	12169
6.12		235876	203724
6.239		39848	81007
6.28	DCB	5130508	4696963
6.436		1960	832
6.491		199764	681145
6.619		3796	3876
6.713		2201	10352
6.774		131369	368484
6.869		80794	173382

AR1641724C BUAR164BU CCAL 185999999 10227 SW-846 808

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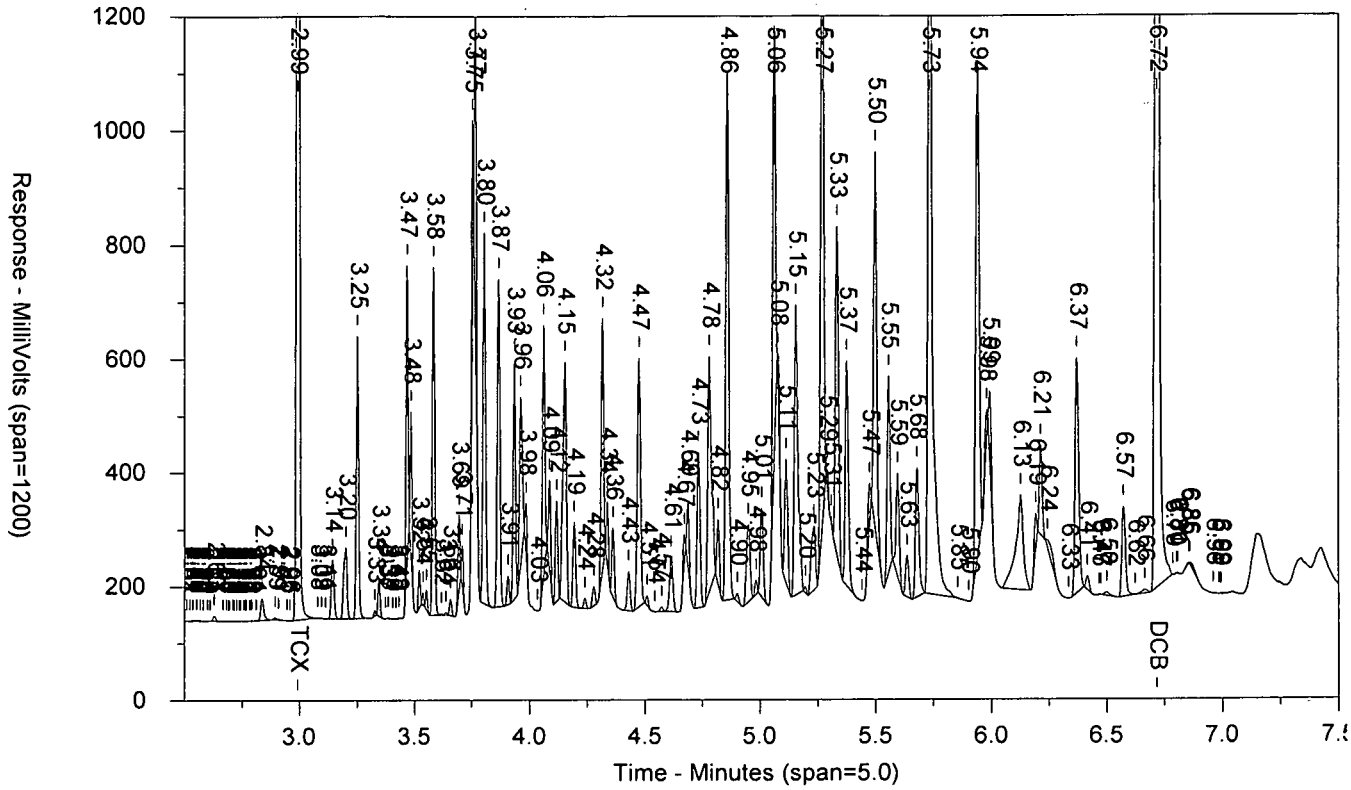

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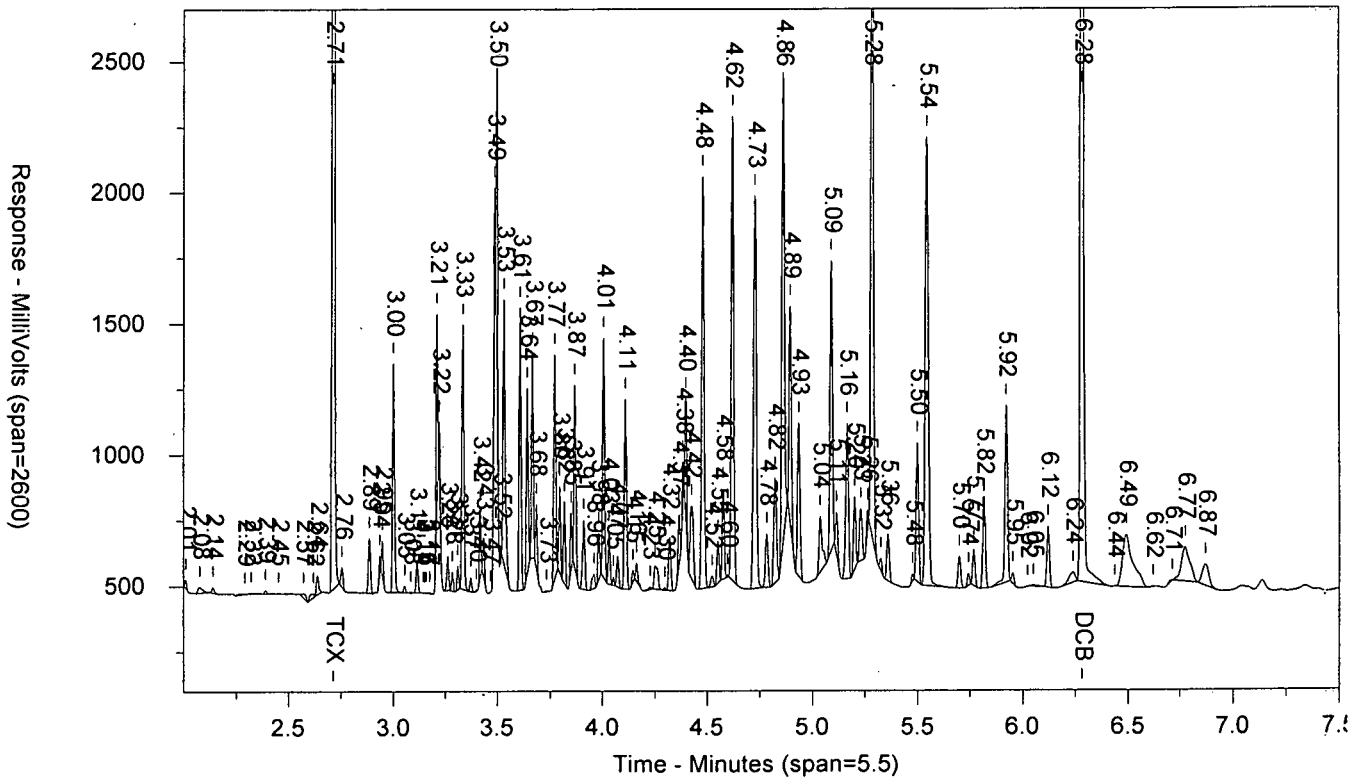

LANCASTER LABORATORIES

Sample Number: AR1641724C BUAR164BU CCAL 185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:00:43 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	6233271	40.521	TCX	2.713	10813550	40.96	TCX
6.717	3554946	37.679	DCB	6.28	5130508	35.666	DCB

Files:
Area File: 25PCBs18047010.023.RAW
Area File: 25PCBs18047010B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 1:09:14 AM
File Reported On: 3/2/2018 at 9:05:32 AM

AR1641724C BUAR164BU CCAL 185999999 10227 SW-846 808

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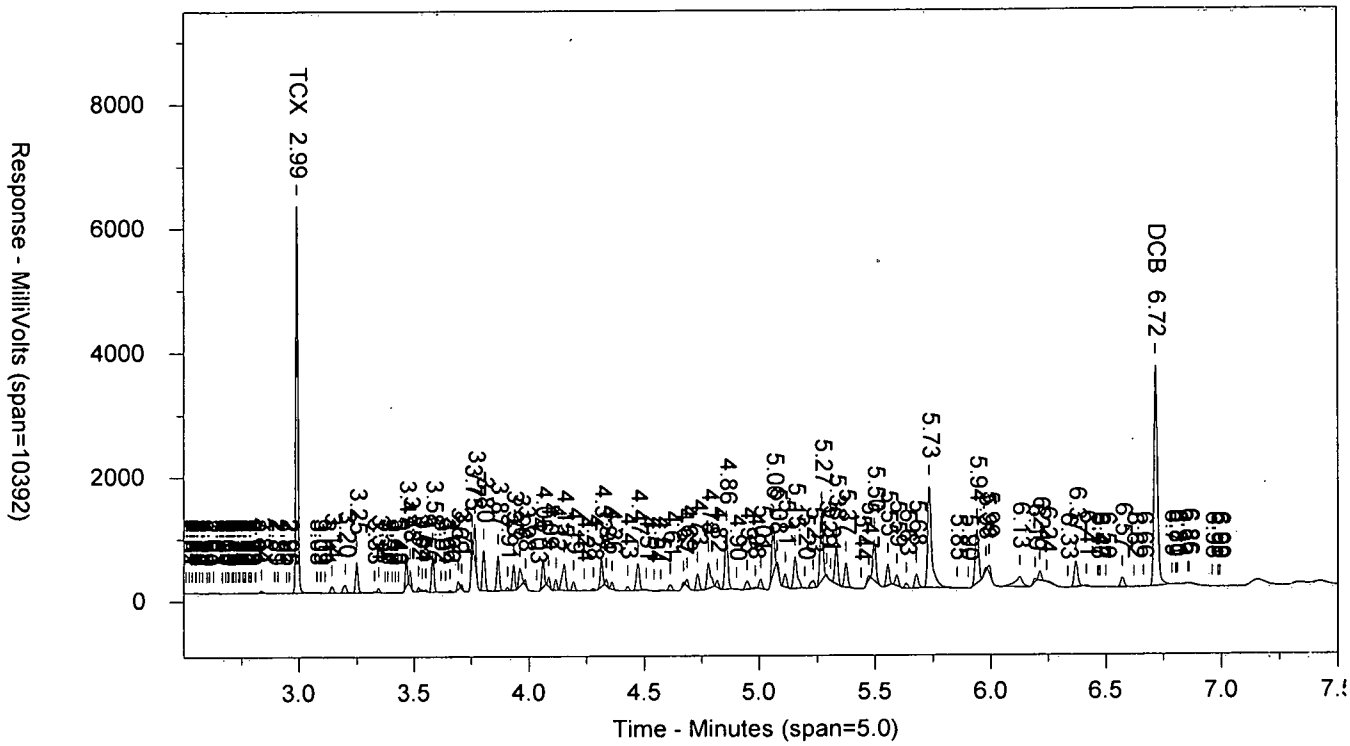

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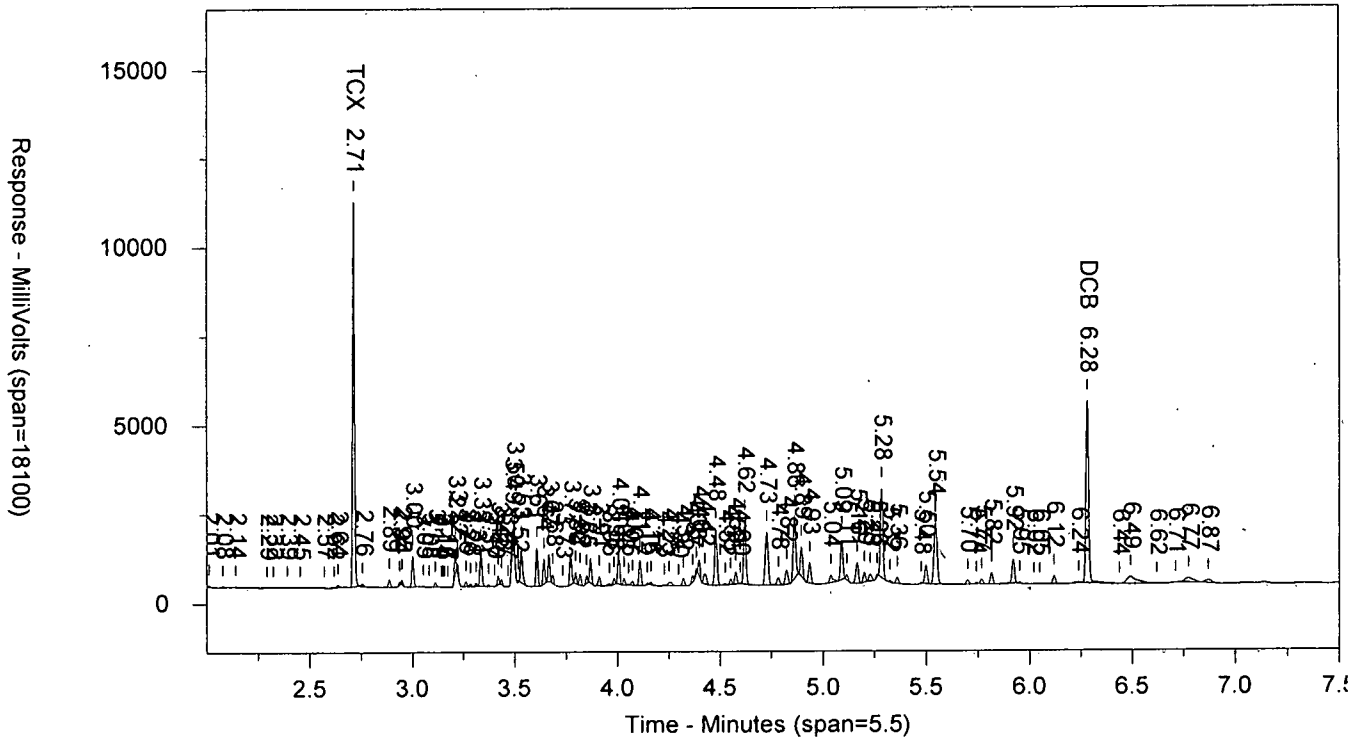

AR1641724C BUAR164BU CCAL 185999999 10227 SW-846 808

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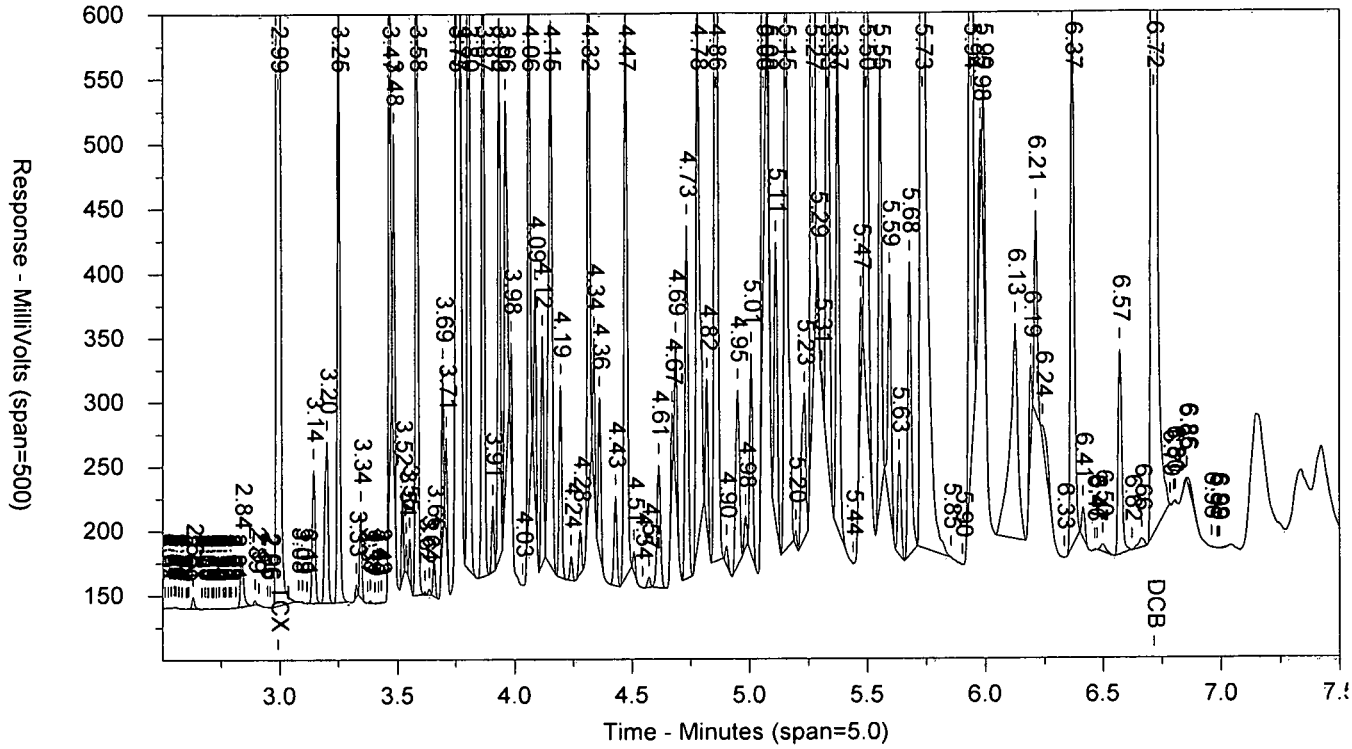

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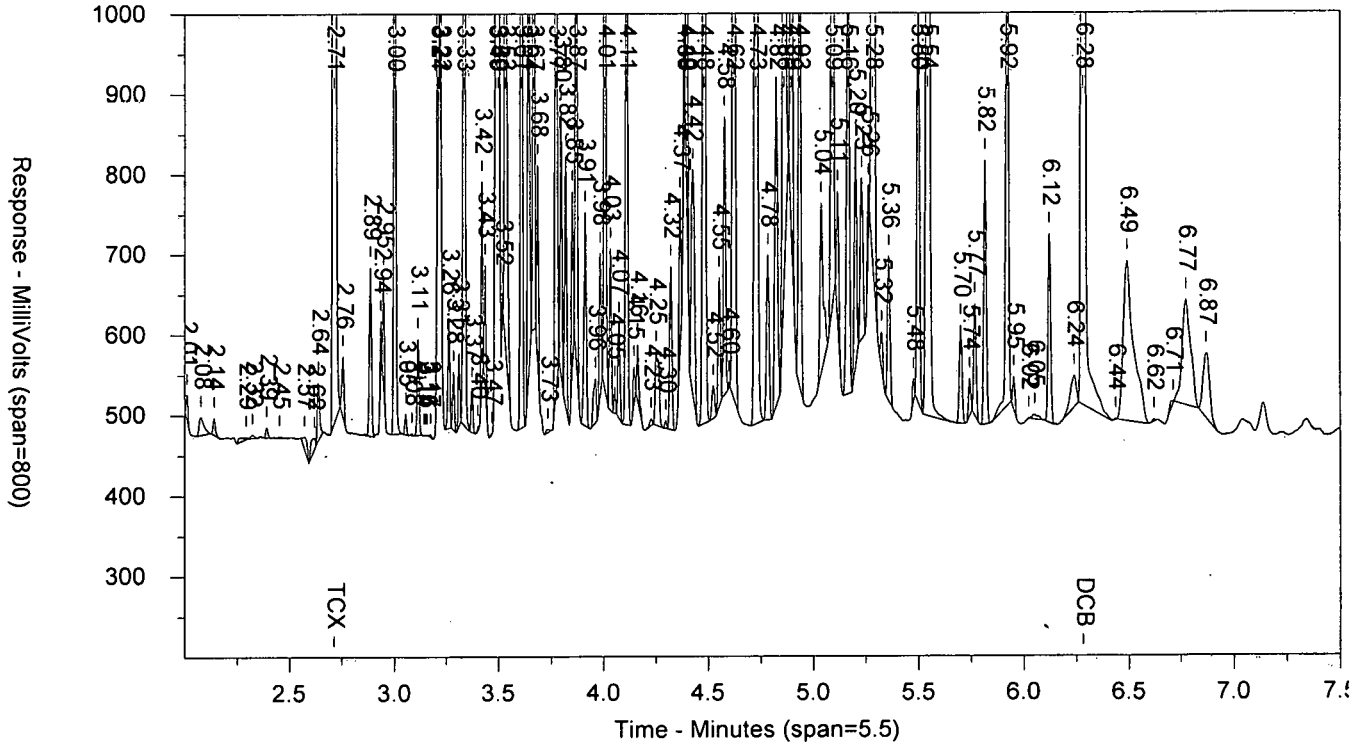


LANCASTER LABORATORIES

Sample Number: IBLKX1724B VAPIBLKVA PIBLK185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:12:00 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.009		270	77
2.016		446	202
2.036		8889	7549
2.075		707	592
2.097		153	19
2.102		112	21
2.108		300	101
2.124		263	52
2.149		7969	14366
2.202		356	197
2.208		193	32
2.261		541	296
2.282		16886	13114
2.321		441	319
2.336		155	20
2.374		114185	73811
2.393		3339	1414
2.41		1225	504
2.434		1688	1405
2.455		360	110
2.473		111	17
2.489		4221	2661
2.503		5155	2238
2.523		490	194
2.528		294	37
2.534		385	66
2.553		639	367
2.565		403	102
2.583		3464	2231
2.614		373	287
2.633		1244	957
2.651		284	52
2.659		1908	1098
2.683		462	282
2.699		306	45
2.717		961	637
2.739		487	266
2.755		1595	1038
2.772		284	44
2.785		772	523
2.808		270	67
2.836		25571	23214
2.893		4547	3687
2.934		1000	553
2.951		254	90
2.959		222	61
2.991	TCX	3386373	2213923
3.056		646	236
3.078		4093	2891
3.108		312	119
3.126		149	24
3.134		372	233
3.15		158	47
3.164		268	58

RT A	Compound A	Height A	Area A
3.171		277	64
3.193		44982	30050
3.222		252	47
3.26		5337	4726
3.281		277	122
3.301		345	282
3.325		7959	5519
3.355		186	73
3.367		121	38
3.382		120	16
3.389		370	195
3.408		182	21
3.422		168	131
3.426		181	22
3.431		367	74
3.441		180	59
3.447		186	29
3.462		820	591
3.482		416	112
3.499		348	175
3.51		244	59
3.536		97	11
3.541		263	59
3.551		284	86
3.563		830	350
3.586		327	160
3.6		3595	2775
3.624		340	80
3.64		2908	1643
3.655		284	53
3.661		422	97
3.672		353	215
3.698		1247	888
3.738		10910	8024
3.758		175	34
3.766		390	119
3.774		230	47
3.78		371	58
3.787		261	77
3.808		204	98
3.825		659	301
3.842		612	278
3.864		225	61
3.886		253	94
3.928		5172	5412
3.959		213	69
3.969		114	42
3.983		145	21
3.994		219	39
4.001		253	43
4.007		364	127
4.035		364	106
4.044		385	143
4.056		392	105
4.065		230	119
4.077		139	20
4.084		276	61
4.09		175	34
4.108		142	31
4.114		266	75
4.13		326	56
4.142		245	93
4.146		441	235
4.177		222	70
4.193		363	209
4.198		334	48

RT A	Compound A	Height A	Area A
4.208		301	80
4.225		212	77
4.275		8082	13535
4.333		261	71
4.34		378	344
4.386		1394	1098
4.405		495	194
4.417		171	27
4.421		284	34
4.426		195	26
4.436		228	29
4.441		204	39
4.448		227	47
4.461		184	48
4.47		596	416
4.502		322	141
4.522		245	58
4.54		154	32
4.548		258	46
4.558		216	40
4.566		192	85
4.573		321	91
4.583		107	20
4.607		5024	6743
4.645		252	76
4.656		248	72
4.672		2299	1881
4.688		327	105
4.71		308	93
4.723		261	101
4.736		125	20
4.744		148	44
4.768		472	332
4.785		346	58
4.794		320	82
4.802		178	28
4.818		351	208
4.854		272	82
4.861		215	40
4.87		219	42
4.885		286	129
4.894		202	42
4.909		245	38
4.916		324	84
4.925		276	36
4.961		1955	1556
4.983		10942	13053
5.036		277	75
5.052		359	92
5.065		299	73
5.076		377	123
5.095		122	16
5.113		872	715
5.147		2077	1835
5.172		486	152
5.2		228	33
5.225		22100	21950
5.254		369	134
5.281		152	24
5.291		222	66
5.314		6121	7733
5.344		230	55
5.349		245	35
5.355		162	25
5.359		313	80
5.379		327	134

RT A	Compound A	Height A	Area A
5.402		438	125
5.422		443	259
5.43		166	24
5.448		373	137
5.453		227	29
5.464		219	46
5.479		389	240
5.492		223	88
5.512		434	356
5.523		208	65
5.537		161	27
5.547		210	58
5.555		439	220
5.575		205	57
5.635		23226	27416
5.68		136	27
5.694		333	76
5.699		141	17
5.704		289	44
5.714		254	34
5.719		270	81
5.756		45255	44291
5.801		362	85
5.839		230	67
5.847		382	137
5.861		616	500
5.887		157	24
5.893		318	72
5.906		214	105
5.913		131	27
5.943		4674	6234
5.983		629	755
6.006		253	51
6.017		348	59
6.025		516	120
6.037		274	136
6.049		228	105
6.068		335	128
6.081		129	51
6.099		238	105
6.127		48980	49515
6.192		47444	43075
6.212		3906	2236
6.27		174	27
6.275		224	43
6.281		270	43
6.291		255	68
6.301		263	98
6.316		294	83
6.323		149	48
6.327		350	48
6.338		228	37
6.345		165	60
6.349		383	95
6.359		368	84
6.374		418	325
6.396		250	138
6.401		242	41
6.407		189	33
6.431		154	39
6.435		390	79
6.441		318	43
6.445		348	109
6.46		274	84
6.5		2307	2980
6.516		191	20

RT A	Compound A	Height A	Area A
6.525		204	57
6.529		322	59
6.537		431	110
6.569		27333	27159
6.602		193	57
6.614		405	201
6.664		198	28
6.673		227	26
6.685		119	34
6.717	DCB	1987082	2167479
6.851		589	192
6.876		566	374
6.899		365	207
6.919		320	46
6.941		322	92
6.948		386	86
6.954		392	89
6.964		318	50
6.969		153	24
6.977		255	47
6.982		323	63

LANCASTER LABORATORIES

Sample Number: IBLKX1724B VAPIBLKVA PIBLK185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:12:00 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

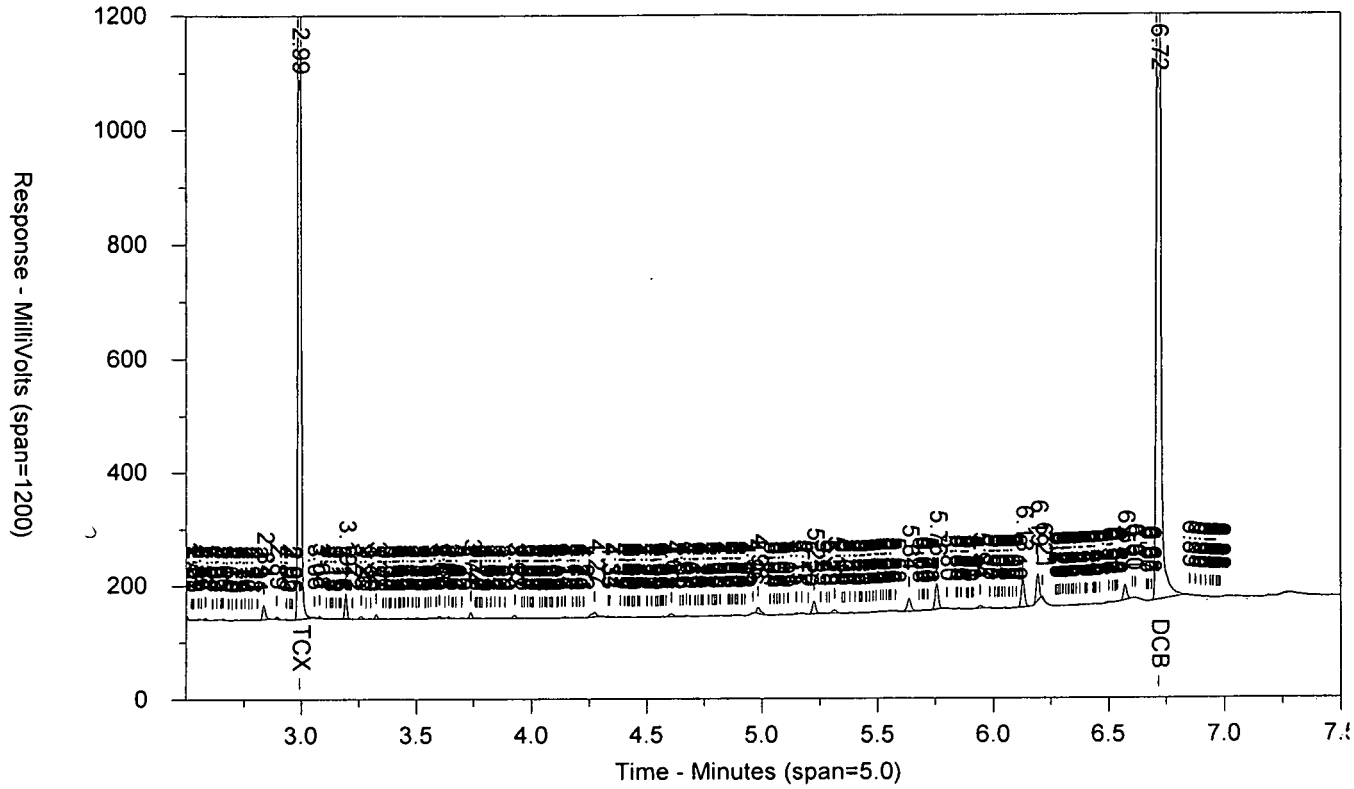
RT B	Compound B	Height B	Area B
2.076		19021	31999
2.141		17167	26230
2.203		7819	21246
2.238		8315	5720
2.291		5656	11975
2.324		9312	7201
2.358		1990	3483
2.453		6854	7805
2.567		16298	31585
2.613		16781	29215
2.637		48391	42416
2.684		2283	1558
2.713	TCX	5938167	3600540
2.8		8812	6995
2.935		84812	60286
2.968		1057	1073
3.053		14419	9063
3.079		760	239
3.091		1016	159
3.1		696	151
3.104		756	257
3.116		969	238
3.127		706	99
3.133		926	273
3.143		590	136
3.148		881	244
3.176		5004	2988
3.198		1305	437
3.209		1258	510
3.217		761	131
3.224		811	175
3.246		1041	604
3.268		643	340
3.284		4035	2758
3.308		1200	444
3.333		783	357
3.343		814	252
3.359		413	100
3.369		563	89
3.374		1126	202
3.386		913	182
3.402		6348	3480
3.431		24434	21412
3.469		3832	3040
3.485		538	331
3.495		1381	615
3.513		2431	1246
3.532		407	77
3.537		889	198
3.547		1175	206
3.556		2480	1291
3.568		760	148
3.583		1073	560
3.596		633	218

RT B	Compound B	Height B	Area B
3.609		429	176
3.629		1047	401
3.64		963	191
3.657		2422	1343
3.673		727	137
3.688		459	90
3.734		2549	3580
3.744		1871	531
3.763		781	114
3.771		726	185
3.784		707	335
3.796		1284	233
3.824		1771	1990
3.852		1711	1080
3.899		1474	1757
3.915		1338	715
3.948		1135	992
3.963		4748	4239
3.996		2930	2678
4.044		864	203
4.074		23768	22799
4.16		1889	2429
4.202		727	110
4.216		6166	12296
4.274		4598	4826
4.297		5168	3894
4.362		1005	447
4.424		957	559
4.469		11944	11621
4.521		3525	3058
4.567		2612	4857
4.596		23573	23053
4.634		1511	1035
4.681		1055	998
4.723		4221	5100
4.786		1245	971
4.799		2671	1892
4.833		27728	20895
4.908		1914	1717
5.022		2281	2811
5.043		1135	679
5.062		948	488
5.097		6580	12584
5.158		5813	7296
5.236		26472	23767
5.275		2120	1826
5.358		62562	64967
5.442		993	406
5.455		990	823
5.516		1801	892
5.548		3548	3396
5.584		1375	891
5.698		64920	59776
5.732		1462	784
5.767		82113	71638
5.816		21264	18938
5.936		1091	1603
6.04		1793	3895
6.063		2431	3852
6.119		39271	34285
6.223		2319	2261
6.28	DCB	2872404	2737485
6.435		2416	1808
6.477		2768	3729
6.61		705	130
6.647		1645	2545

RT B	Compound B	Height B	Area B
6.691		1162	546
6.731		3584	2804
6.758		1234	1413
6.841		1092	531
6.92		876	787
6.977		1065	1745

IBLKX1724B VAPIBLKVA PIBLK185999999 10227 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs18047010.024.RAW



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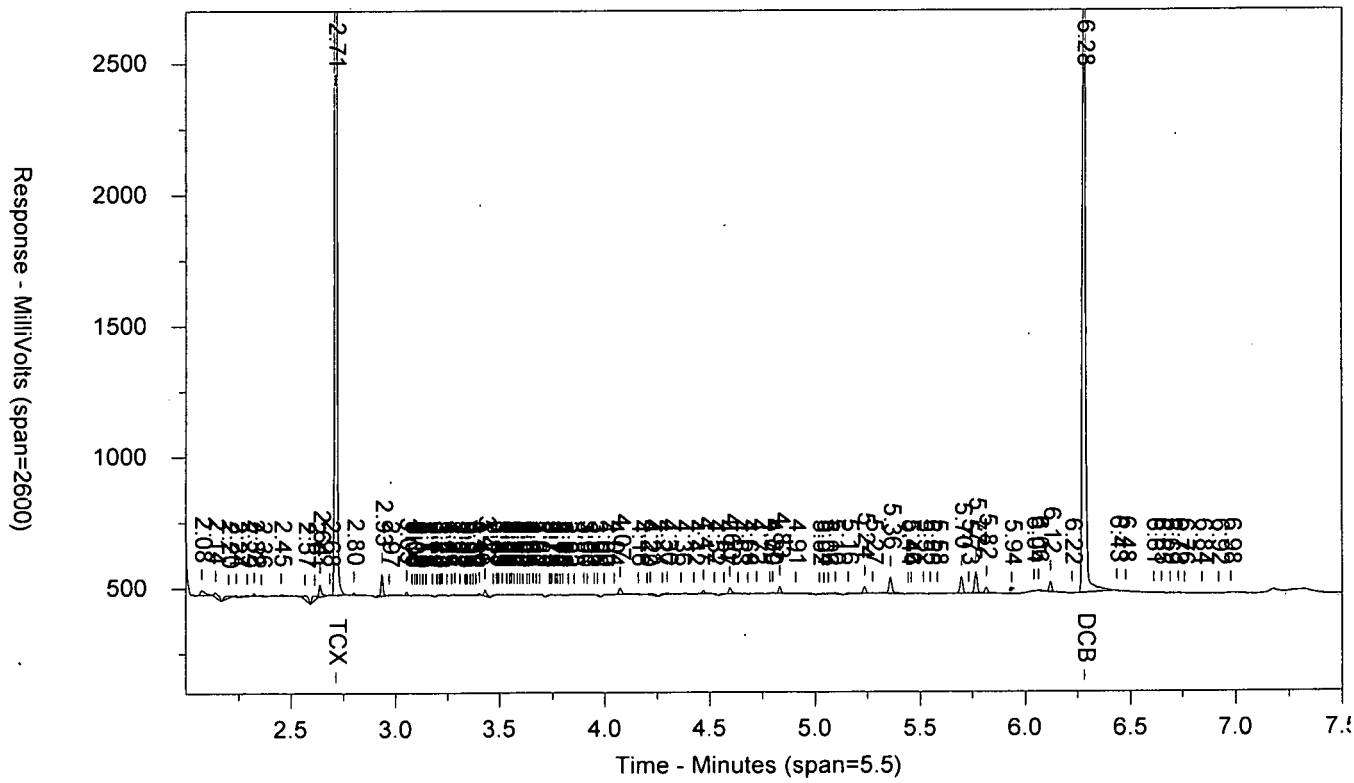

LANCASTER LABORATORIES

Sample Number: IBLKX1724B VAPIBLKVA PIBLK185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:12:00 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.991	3386373	.22	TCX	2.713	5938167	.225	TCX
6.717	1987082	.211	DCB	6.28	2872404	.2	DCB

Files:
Area File: 25PCBs18047010.024.RAW
Area File: 25PCBs18047010B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 1:20:31 AM
File Reported On: 3/2/2018 at 9:05:54 AM

IBLKX1724B VAPIBLKVA PIBLK185999999 10227 SW-846 8082

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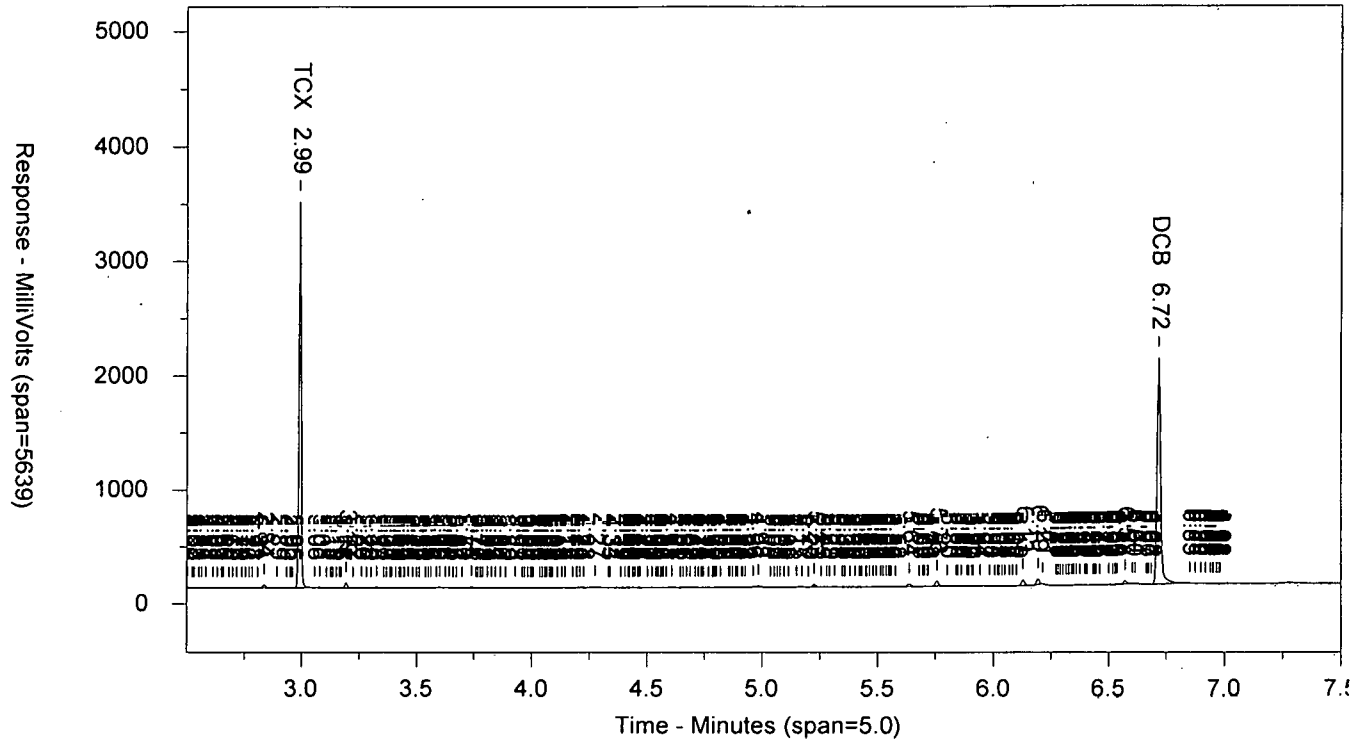

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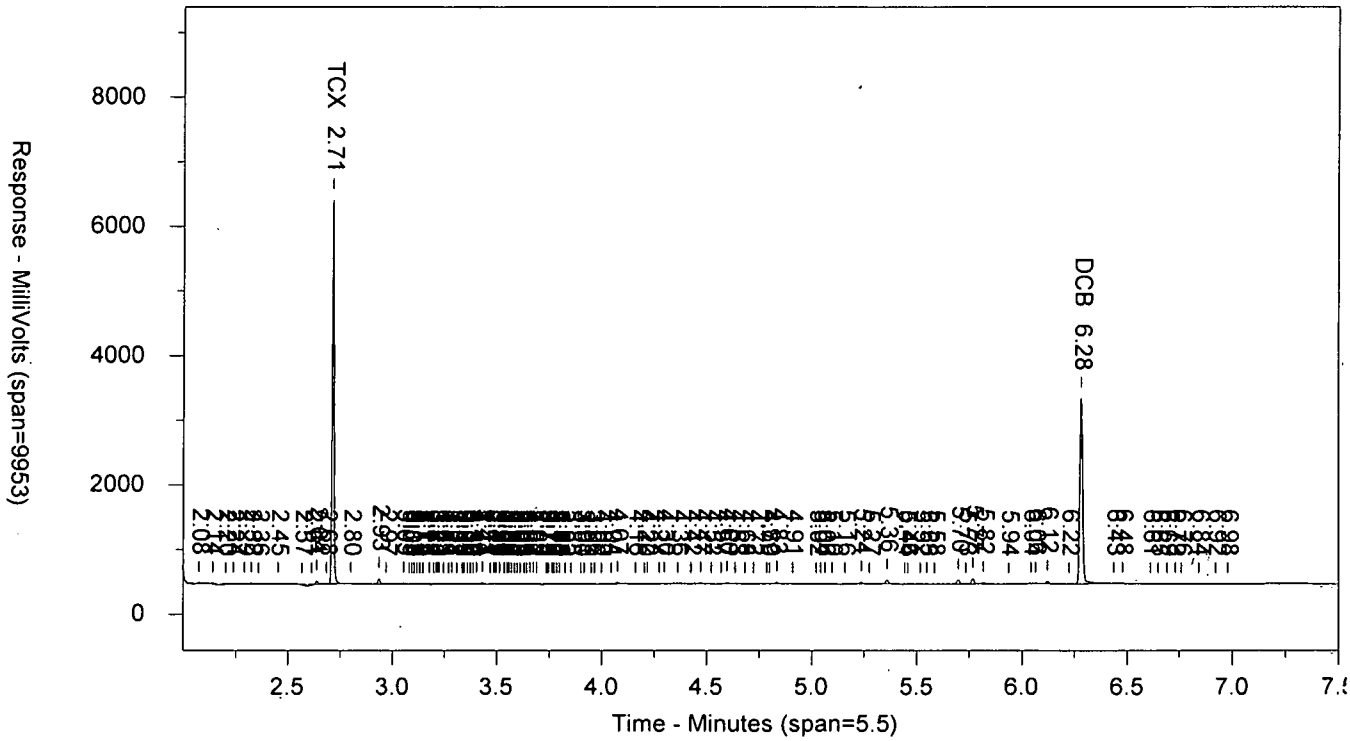

IBLKX1724B VAPIBLKVA PIBLK185999999 10227 SW-846 8082

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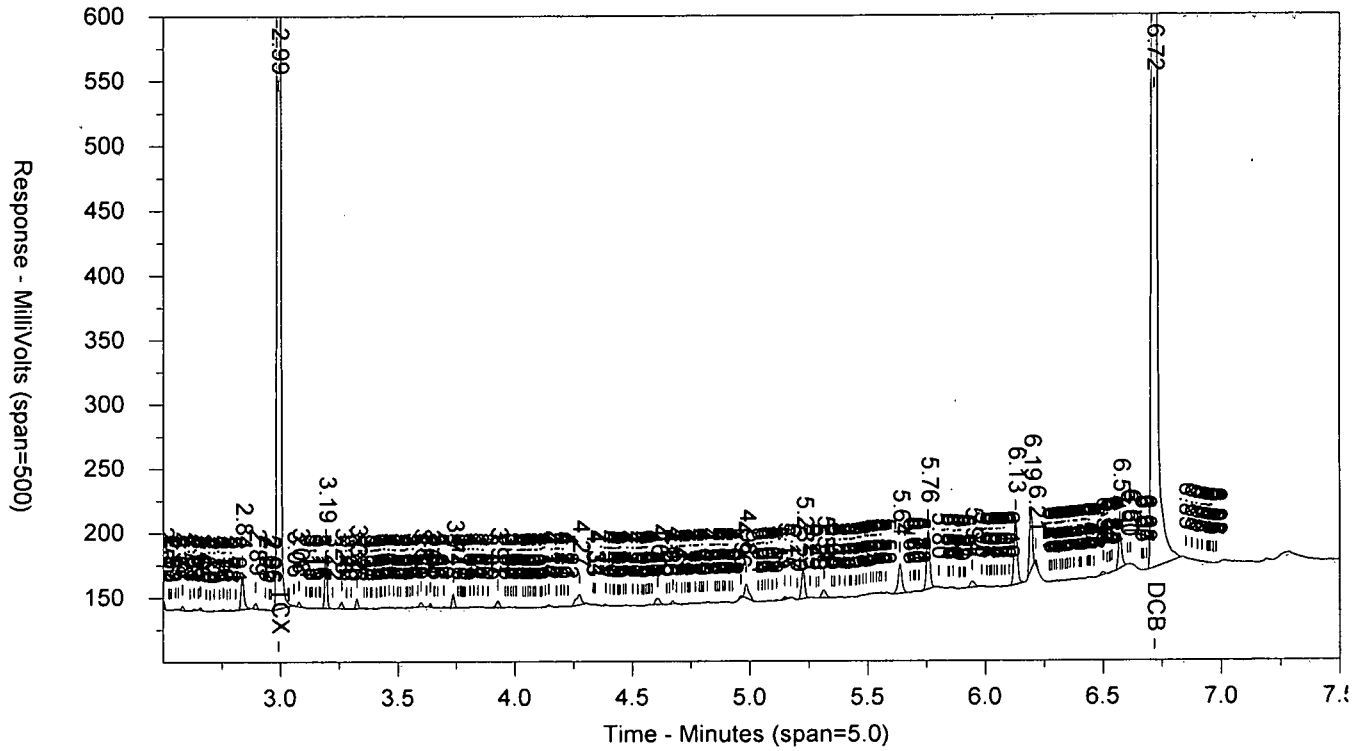

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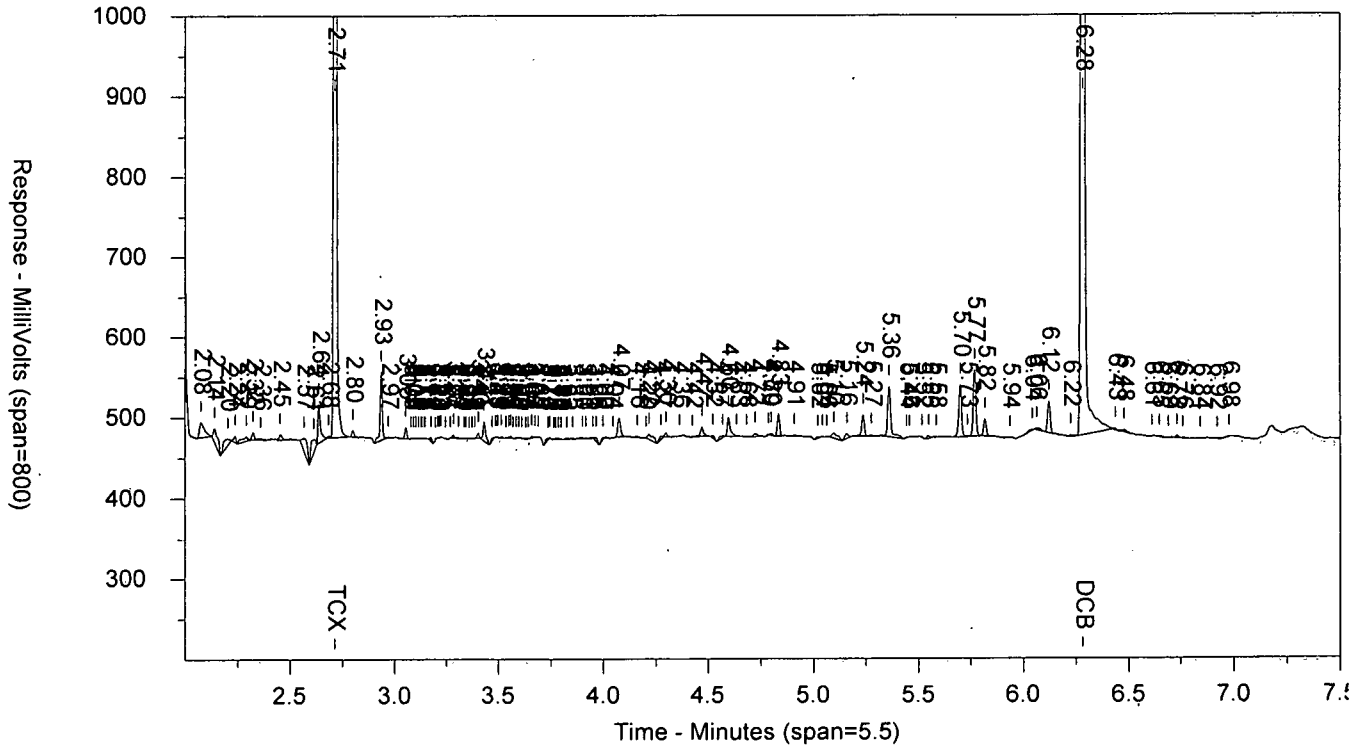


LANCASTER LABORATORIES

Sample Number: IBLKX1724B VBPIBLKVB PIBLK185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:23:43 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.013		123	41
2.018		261	46
2.037		6248	5162
2.07		475	161
2.075		850	376
2.087		519	137
2.093		204	31
2.106		369	295
2.119		164	30
2.125		171	31
2.151		7440	11161
2.204		412	93
2.212		309	66
2.26		429	135
2.284		16086	10911
2.304		480	121
2.326		429	108
2.331		308	43
2.336		328	150
2.356		216	34
2.375		112748	71244
2.394		3435	1499
2.411		1157	550
2.435		1647	1337
2.459		435	176
2.491		2810	1573
2.504		6265	3055
2.521		270	103
2.551		232	72
2.568		421	124
2.585		3187	1967
2.61		135	22
2.614		376	48
2.635		1329	1020
2.661		2356	1475
2.678		230	36
2.686		304	110
2.707		220	62
2.718		804	562
2.736		237	65
2.74		219	51
2.756		1656	1084
2.775		284	72
2.787		741	419
2.798		140	36
2.809		136	20
2.814		206	42
2.838		23685	20825
2.895		8067	5733
2.921		447	126
2.934		831	448
2.947		269	124
2.966		367	126
2.993	TCX	3248137	2169564

RT A	Compound A	Height A	Area A
3.057		1089	504
3.08		4056	3005
3.115		539	247
3.13		352	80
3.138		397	168
3.15		239	49
3.17		259	29
3.174		187	18
3.194		44329	29009
3.226		373	92
3.242		199	61
3.263		3557	2948
3.295		148	66
3.3		531	186
3.327		7740	4972
3.343		269	54
3.363		221	61
3.38		172	23
3.388		231	44
3.402		175	55
3.411		339	82
3.417		331	60
3.431		290	105
3.443		302	86
3.45		370	73
3.456		185	41
3.468		233	114
3.497		127	39
3.504		388	218
3.524		154	18
3.535		102	14
3.539		114	38
3.552		205	83
3.566		712	375
3.582		377	167
3.605		2457	1839
3.624		218	39
3.633		189	38
3.644		3458	2024
3.66		186	27
3.666		235	49
3.674		262	116
3.703		1137	1092
3.742		13538	10143
3.763		164	22
3.77		172	48
3.786		216	62
3.813		508	282
3.828		472	251
3.844		153	47
3.849		216	261
3.883		257	61
3.889		183	23
3.898		245	79
3.904		304	64
3.911		138	21
3.932		3596	3500
3.976		455	317
3.992		237	38
4.003		218	31
4.008		267	80
4.017		321	120
4.033		259	47
4.04		237	73
4.05		211	67
4.059		183	47

RT A	Compound A	Height A	Area A
4.064		143	30
4.07		256	35
4.085		63	24
4.092		232	99
4.107		191	106
4.121		358	105
4.135		162	68
4.148		2149	2051
4.187		254	92
4.201		374	196
4.208		319	51
4.218		242	90
4.229		235	46
4.241		263	70
4.277		7315	11909
4.338		93	68
4.342		288	175
4.386		224	104
4.412		338	111
4.421		375	146
4.437		263	110
4.449		153	24
4.476		917	688
4.485		232	37
4.491		270	76
4.503		185	27
4.508		144	25
4.518		230	78
4.529		192	43
4.542		224	51
4.548		211	30
4.568		188	29
4.574		334	102
4.585		277	49
4.611		3913	5441
4.643		166	34
4.649		126	22
4.675		2032	1721
4.707		158	25
4.715		185	66
4.725		255	54
4.733		166	26
4.745		181	96
4.756		345	99
4.767		370	59
4.775		313	112
4.786		159	20
4.791		246	58
4.803		251	42
4.809		165	39
4.816		154	39
4.822		269	70
4.838		165	25
4.842		238	32
4.858		259	107
4.883		298	174
4.893		278	69
4.904		274	62
4.923		290	121
4.947		169	46
4.966		782	865
4.988		11588	13482
5.034		308	133
5.049		229	82
5.055		244	39
5.062		192	25

RT A	Compound A	Height A	Area A
5.068		291	56
5.078		274	64
5.086		528	183
5.092		363	53
5.112		948	751
5.127		189	28
5.135		145	28
5.151		2134	1859
5.175		1381	1599
5.228		23049	22101
5.259		589	512
5.286		244	43
5.315		4705	5877
5.354		297	93
5.367		247	64
5.38		207	107
5.395		352	120
5.409		239	49
5.418		189	77
5.44		212	35
5.447		339	86
5.454		342	61
5.468		124	76
5.482		201	103
5.487		220	35
5.501		247	149
5.515		733	468
5.532		152	55
5.541		261	46
5.547		244	37
5.554		563	438
5.578		503	134
5.638		22048	27011
5.687		191	30
5.696		192	62
5.705		557	153
5.71		324	44
5.725		313	61
5.731		274	40
5.759		45858	45411
5.803		320	72
5.814		299	113
5.838		150	24
5.845		277	68
5.851		283	83
5.866		1028	759
5.893		111	15
5.9		283	60
5.915		199	91
5.947		4010	5215
5.988		277	233
5.993		269	94
6.007		245	99
6.019		461	133
6.028		226	82
6.038		317	72
6.052		345	116
6.063		201	33
6.08		355	177
6.096		213	113
6.13		50516	48874
6.195		50551	43993
6.216		3593	1950
6.276		476	287
6.29		226	134
6.298		255	55

RT A	Compound A	Height A	Area A
6.318		192	88
6.332		274	95
6.35		209	101
6.356		236	43
6.379		445	395
6.388		252	68
6.406		389	82
6.415		301	82
6.421		285	48
6.426		420	81
6.439		431	165
6.445		474	130
6.501		707	379
6.528		229	44
6.538		191	97
6.545		305	84
6.55		243	42
6.575		27225	26967
6.607		483	202
6.63		322	53
6.636		409	67
6.642		517	253
6.666		267	167
6.686		219	42
6.723	DCB	1838157	2124003
6.816		597	424
6.84		576	671
6.876		344	120
6.887		238	119
6.923		93	71
6.928		363	106
6.937		194	38
6.953		194	95
6.962		117	37
6.968		279	45
6.979		312	88
6.993		285	65

LANCASTER LABORATORIES

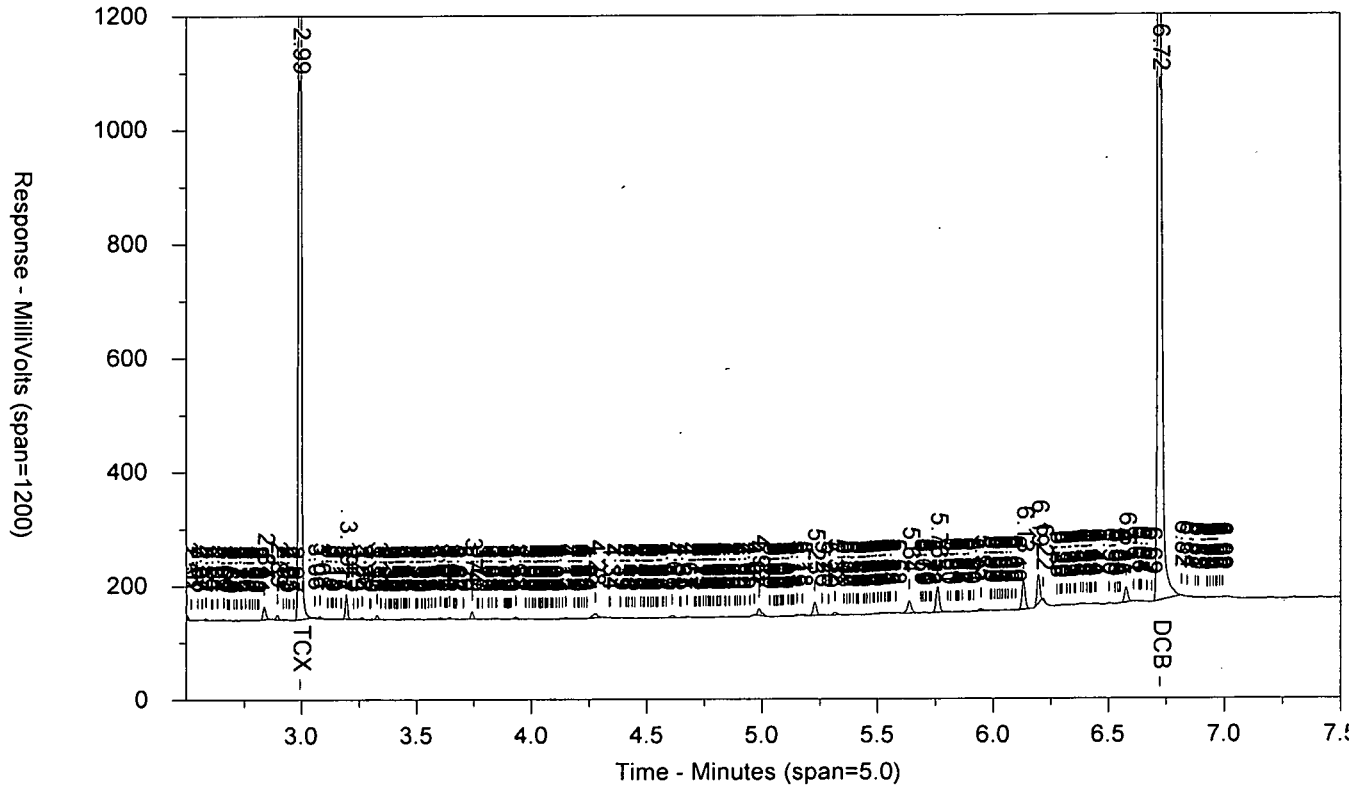
Sample Number: IBLKX1724B VBPIBLKVB PIBLK185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:23:43 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.078		19184	31830
2.141		18113	27640
2.202		9629	23062
2.239		8204	5406
2.278		906	2588
2.293		3379	2276
2.324		8673	6772
2.361		2485	2333
2.454		6580	6197
2.501		1777	1168
2.563		32521	84324
2.622		15995	45317
2.638		45268	43181
2.714	TCX	5805646	3575459
2.801		8485	6212
2.916		2103	1267
2.936		80555	50516
3.054		14687	8443
3.073		714	91
3.08		529	126
3.087		597	123
3.092		1054	172
3.105		1730	650
3.131		652	177
3.147		648	201
3.156		361	71
3.177		3975	3219
3.201		836	563
3.215		1080	393
3.223		541	181
3.229		640	196
3.249		1050	490
3.269		1271	616
3.282		3958	2456
3.308		1068	187
3.328		844	206
3.335		897	132
3.34		1533	250
3.349		654	237
3.376		1639	777
3.388		998	319
3.403		8060	4971
3.433		29485	24110
3.474		2140	1994
3.481		451	88
3.492		610	355
3.519		3123	2057
3.538		839	480
3.56		2815	1526
3.587		559	192
3.595		936	111
3.602		419	131
3.612		974	143
3.633		746	92

RT B	Compound B	Height B	Area B
3.663		2363	1343
3.677		543	119
3.682		1488	279
3.695		3233	1679
3.73		713	540
3.739		393	63
3.772		1794	1412
3.791		1617	1171
3.883		1400	684
3.909		1369	1117
3.966		3367	3218
3.999		2755	2516
4.017		1431	1120
4.055		958	295
4.075		26108	24897
4.154		971	405
4.164		1652	641
4.217		3997	3139
4.28		2637	3104
4.3		4643	3638
4.331		1091	355
4.385		2901	5849
4.472		11981	21901
4.579		921	3926
4.599		23502	22989
4.646		1727	1065
4.695		1441	735
4.724		4133	4947
4.788		1400	640
4.802		1941	1509
4.836		30288	23360
4.914		1989	1531
4.933		1395	535
5.023		2095	1697
5.1		6708	10875
5.162		5597	8575
5.202		1146	757
5.222		994	368
5.238		25830	20475
5.309		982	533
5.36		64292	66018
5.499		1744	6176
5.546		3968	4308
5.7		66362	59030
5.769		80854	72608
5.817		22297	20870
5.922		1308	1076
6.009		2591	5009
6.074		1278	1018
6.122		40392	35159
6.153		1065	524
6.236		968	782
6.282	DCB	2946518	2725083
6.48		2709	4707
6.616		1150	300
6.671		1402	584
6.698		887	446
6.734		2970	2464
6.849		1953	2118
6.935		1244	539
6.979		1478	2606

IBLKX1724B VBPIBLKVB PIBLK185999999 10227 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs18047010.025.RAW



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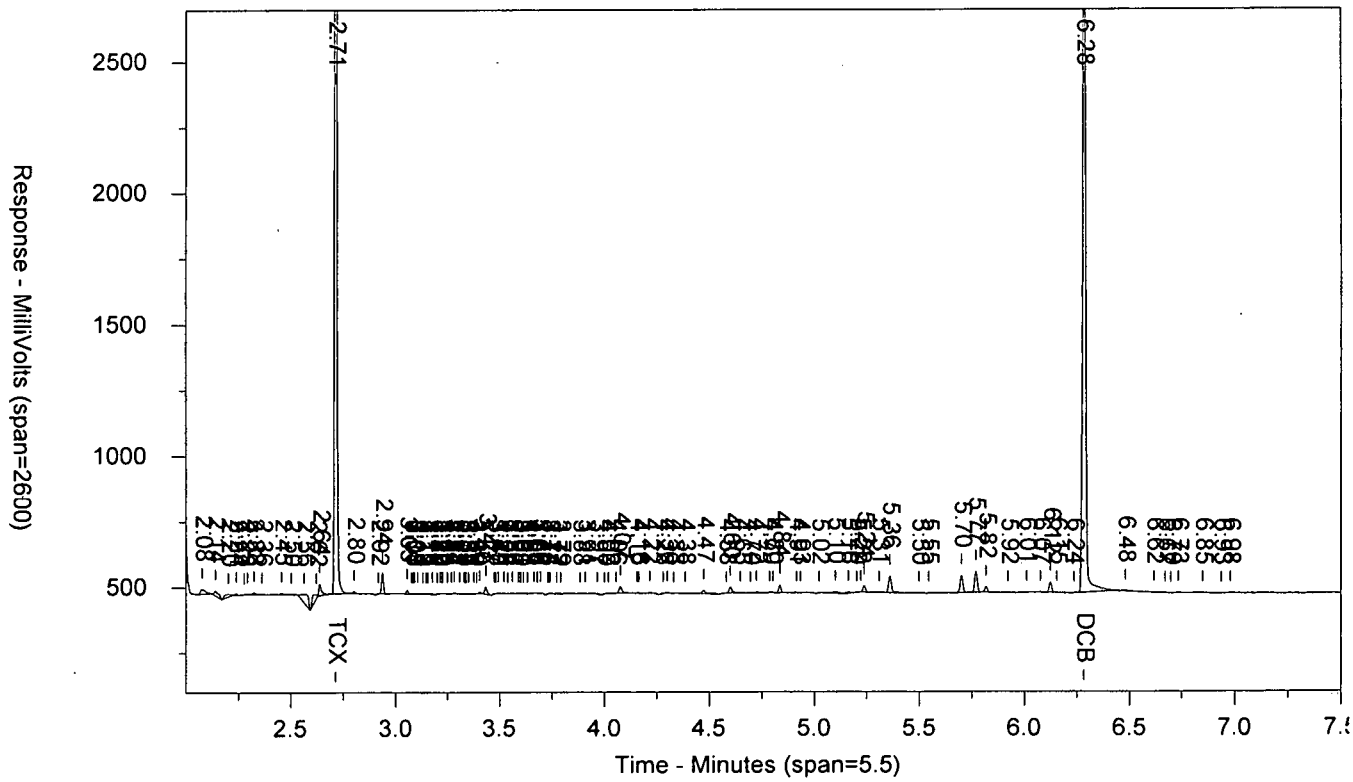

LANCASTER LABORATORIES

Sample Number: IBLKX1724B VBPIBLKVB PIBLK185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:23:43 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	3248137	.211	TCX	2.714	5805646	.22	TCX
6.723	1838157	.195	DCB	6.282	2946518	.205	DCB

Files:
Area File: 25PCBs18047010.025.RAW
Area File: 25PCBs18047010B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 1:32:15 AM
File Reported On: 3/2/2018 at 9:06:22 AM

IBLKX1724B VBPIBLKVB PIBLK185999999 10227 SW-846 8082

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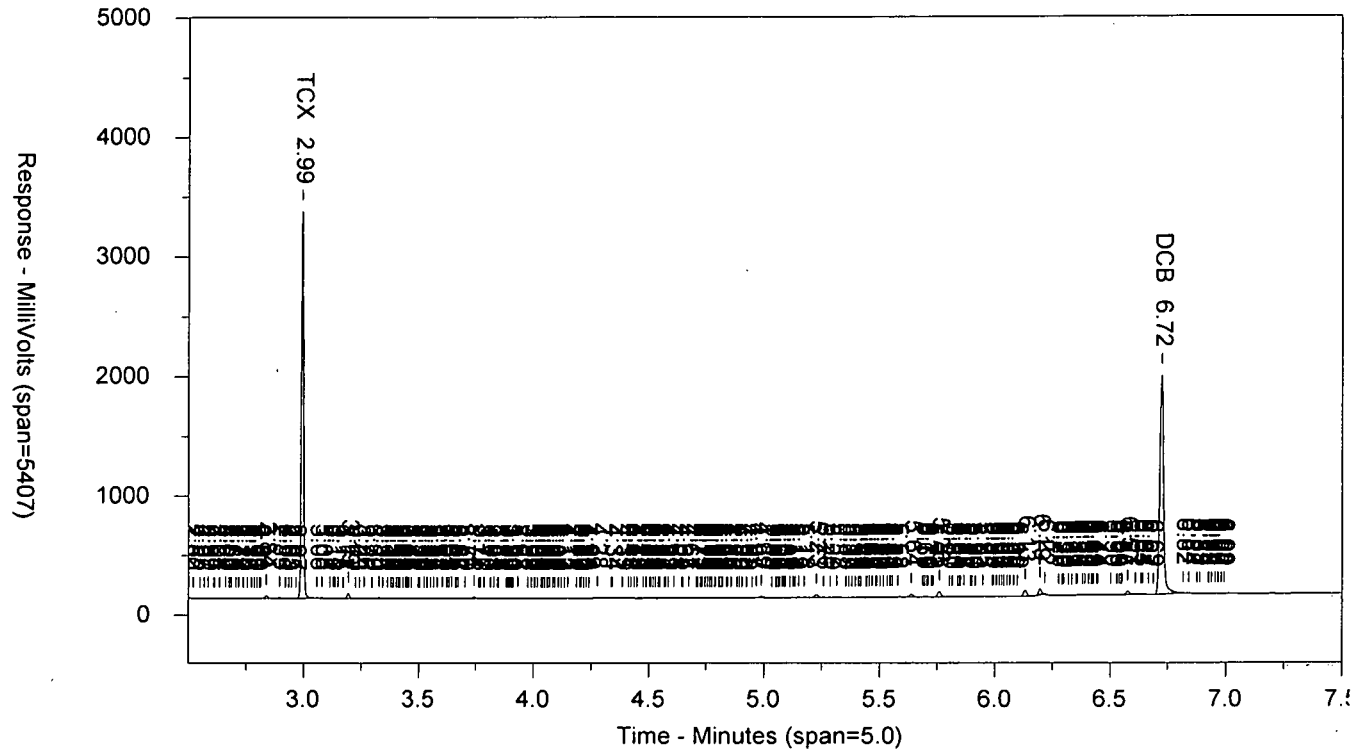

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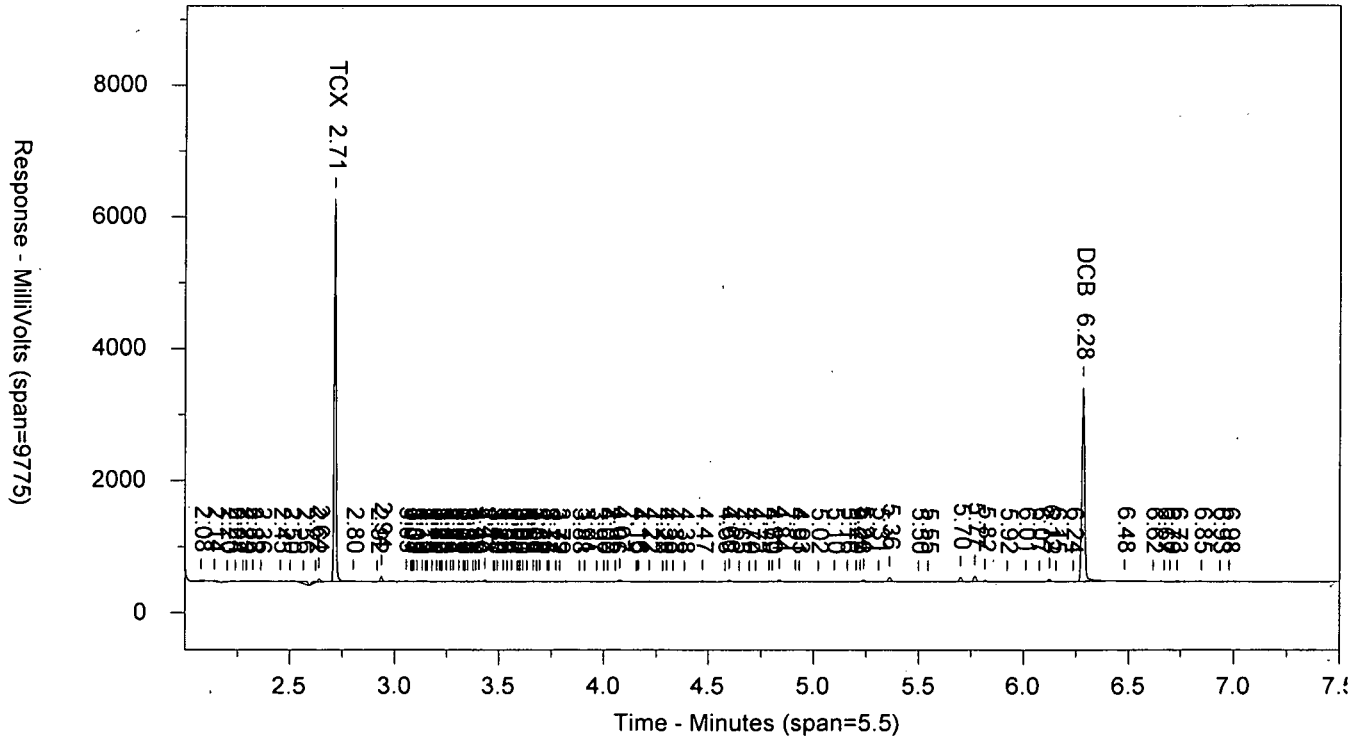

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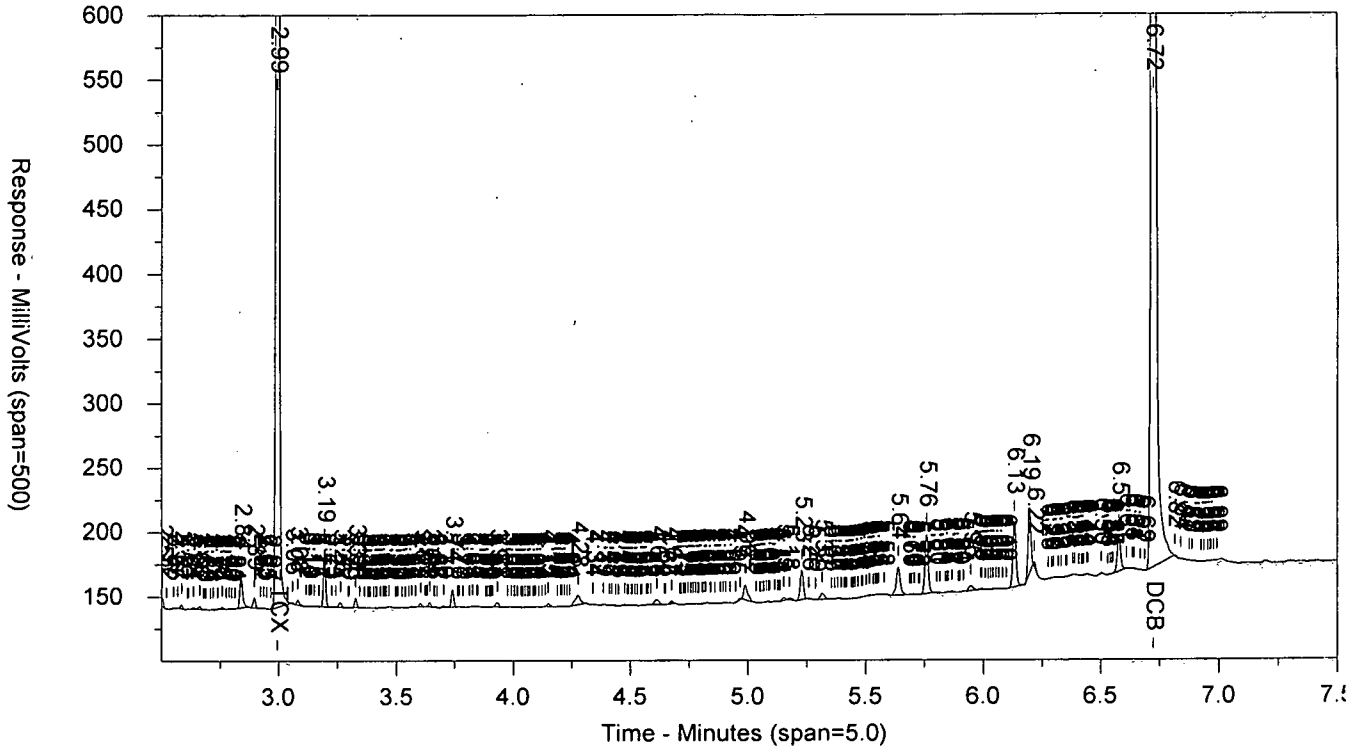

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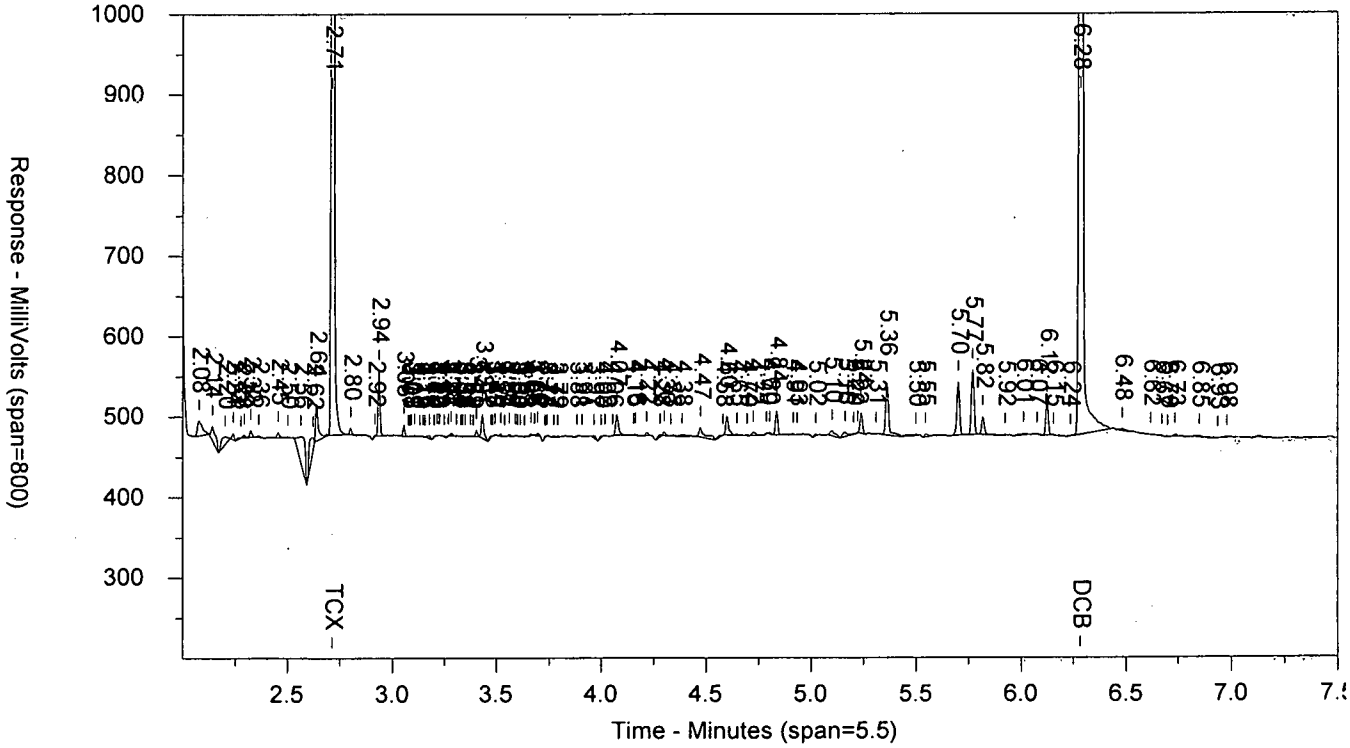

LANCASTER LABORATORIES

Sample Number: AR1641724C BVAR164BV CCAL 185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:35:06 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.006		200	38
2.016		313	139
2.036		5442	4526
2.076		352	210
2.083		280	101
2.102		1052	1051
2.151		8569	14437
2.192		146	27
2.199		329	144
2.222		418	279
2.241		307	62
2.258		380	209
2.282		30157	22604
2.319		183	27
2.332		286	158
2.352		299	95
2.358		180	23
2.373		17172	10335
2.393		10683	6459
2.434		2060	1806
2.455		243	40
2.472		125	19
2.489		4434	3449
2.518		167	31
2.524		195	44
2.537		131	32
2.55		780	872
2.59		519	176
2.607		438	190
2.63		9769	7456
2.685		178	34
2.705		139	34
2.716		502	265
2.732		107	38
2.741		401	239
2.755		225	43
2.778		366	131
2.788		255	62
2.803		178	65
2.836		28149	25793
2.894		3329	2160
2.907		743	649
2.935		287	56
2.956		228	76
2.991	TCX	6302985	4170864
3.056		460	157
3.079		802	1200
3.121		346	63
3.144		103531	91326
3.2		127222	129712
3.249		509324	362129
3.325		10607	5863
3.344		68169	42559
3.384		1846	1187

RT A	Compound A	Height A	Area A
3.4		457	252
3.419		339	77
3.432		944	563
3.466		523656	318921
3.484		252742	139362
3.521		68751	38501
3.537		23492	10253
3.553		34778	18578
3.584		642067	468281
3.62		2823	1330
3.639		5320	3317
3.659		30350	19752
3.695		140066	79226
3.71		69878	35884
3.755		307406	167364
3.766		596649	299999
3.804		673911	541480
3.866		583418	463053
3.907		53905	35792
3.934		444504	313157
3.962		295581	263456
3.984		75228	42050
4.062		447176	335370
4.087		161558	106420
4.118		187870	138137
4.155		437326	472992
4.195		153288	124511
4.224		729	225
4.242		18420	13099
4.28		34473	27496
4.317		470821	341966
4.337		110821	64471
4.362		120350	91831
4.43		70907	60685
4.474		463244	436578
4.509		17322	11719
4.553		231	35
4.573		7966	6581
4.615		100147	101364
4.671		45054	33040
4.686		108203	74438
4.733		270856	258224
4.78		443698	494015
4.819		116895	87123
4.858		963301	912283
4.899		13895	12423
4.949		135660	153104
4.982		28555	20057
5.008		160147	145672
5.061		778528	658488
5.077		53178	43931
5.112		222589	202865
5.154		548603	611693
5.196		10491	5702
5.233		122744	155604
5.269		1131804	1103752
5.291		34923	15503
5.307		7449	3176
5.332		625790	572712
5.375		397027	399915
5.473		78843	67977
5.496		673005	620456
5.554		346627	324362
5.576		1068	198
5.593		185508	165527
5.636		72847	74376

RT A	Compound A	Height A	Area A
5.679		237459	248243
5.735		1810604	2084263
5.898		654	109
5.904		485	81
5.941		954277	992266
5.993		309437	541511
6.099		285	60
6.127		101937	100738
6.191		67732	56299
6.213		170283	144267
6.287		390	53
6.295		409	83
6.303		288	41
6.328		271	29
6.333		357	71
6.369		438250	472960
6.415		26876	22074
6.47		270	37
6.487		163	19
6.495		540	137
6.501		637	124
6.529		286	49
6.54		663	398
6.571		168202	187464
6.638		291	51
6.659		329	56
6.664		354	62
6.669		287	75
6.679		325	46
6.719	DCB	3681420	3916877
6.81		1114	1151
6.848		2114	1262
6.882		538	429
6.901		414	269
6.933		385	252
6.961		360	142
6.982		211	63
6.987		392	145

LANCASTER LABORATORIES

Sample Number: AR1641724C BVAR164BV CCAL 185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:35:06 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.01		29924	15664
2.076		18019	29815
2.14		21710	17034
2.29		3435	10238
2.321		3788	4472
2.39		13295	9223
2.455		2651	4383
2.563		12844	32812
2.616		17033	33645
2.637		53213	48053
2.713	TCX	11305700	6819913
2.756		78451	54268
2.839		2063	1000
2.885		216766	148682
2.915		1757	969
2.935		79426	37970
2.947		137544	67576
3		904335	583905
3.053		27226	16028
3.082		2759	1267
3.113		123707	80599
3.146		775	246
3.172		762	111
3.177		1696	692
3.21		768772	395097
3.222		238757	99909
3.263		136795	86675
3.285		76145	43324
3.311		89813	51690
3.335		1032282	719939
3.372		58743	34116
3.402		7098	3061
3.419		261400	142208
3.435		156504	79285
3.466		1536	764
3.486		533184	270808
3.496		1133834	506539
3.517		48098	16849
3.531		1064322	731430
3.584		824	234
3.607		1105568	717406
3.642		741600	470138
3.666		821787	474077
3.685		251867	129681
3.74		3896	4694
3.751		1020	156
3.772		906396	625190
3.797		339017	197245
3.819		322541	208102
3.851		224193	125971
3.869		724402	459957
3.913		270604	211476
3.961		58385	55923
3.983		185085	115646

RT B	Compound B	Height B	Area B
4.006		950415	654663
4.033		206056	130112
4.053		33565	17148
4.073		124461	82797
4.109		780025	555017
4.146		46504	31267
4.162		72730	47448
4.227		9254	10662
4.252		101323	122169
4.297		11036	6318
4.32		214727	159277
4.366		195672	121991
4.384		161421	82002
4.398		491909	289749
4.424		300275	317711
4.479		1626711	1316153
4.525		40943	39348
4.551		165744	117270
4.577		361415	262013
4.597		8898	3330
4.621		1880888	1479814
4.728		1581236	1518598
4.784		213080	188058
4.823		429268	387076
4.86		1827581	1562881
4.894		861577	653060
4.934		631151	509973
4.999		3501	3451
5.037		233756	248908
5.09		1175995	957301
5.114		167176	113406
5.165		628878	580366
5.201		307839	243304
5.229		227551	207899
5.263		70862	42303
5.284		2621032	2222969
5.325		58344	44150
5.359		197466	177240
5.475		29246	18163
5.498		542733	468351
5.543		1775267	1953489
5.699		137823	120911
5.742		48685	35146
5.766		151477	125291
5.816		339390	313139
5.92		709066	601811
5.952		46157	33413
6.072		1568	717
6.119		253251	227349
6.28	DCB	5508109	5016538
6.427		1921	6015
6.734		5740	8750
6.864		1220	392
6.878		1142	384
6.963		1322	715

AR1641724C BVAR164BV CCAL 185999999 10227 SW-846 808

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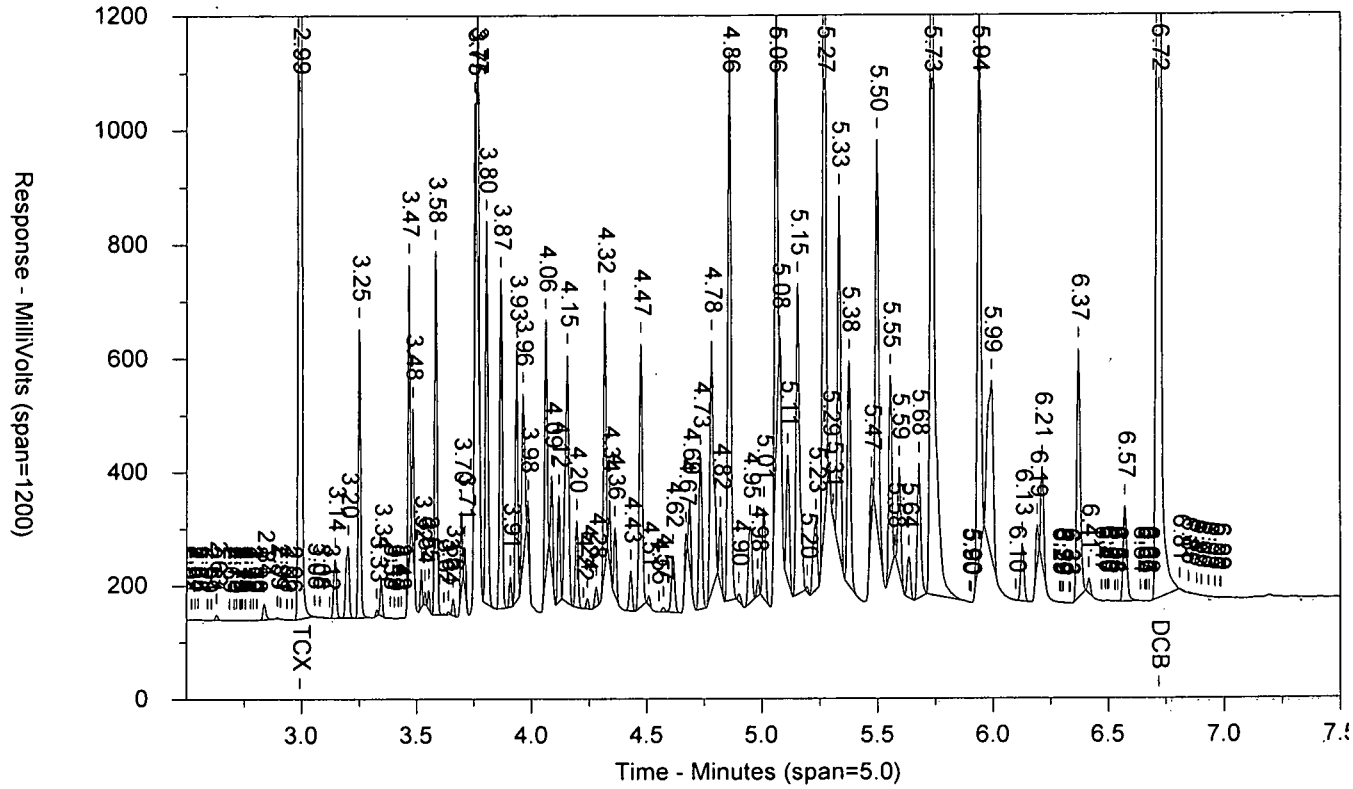

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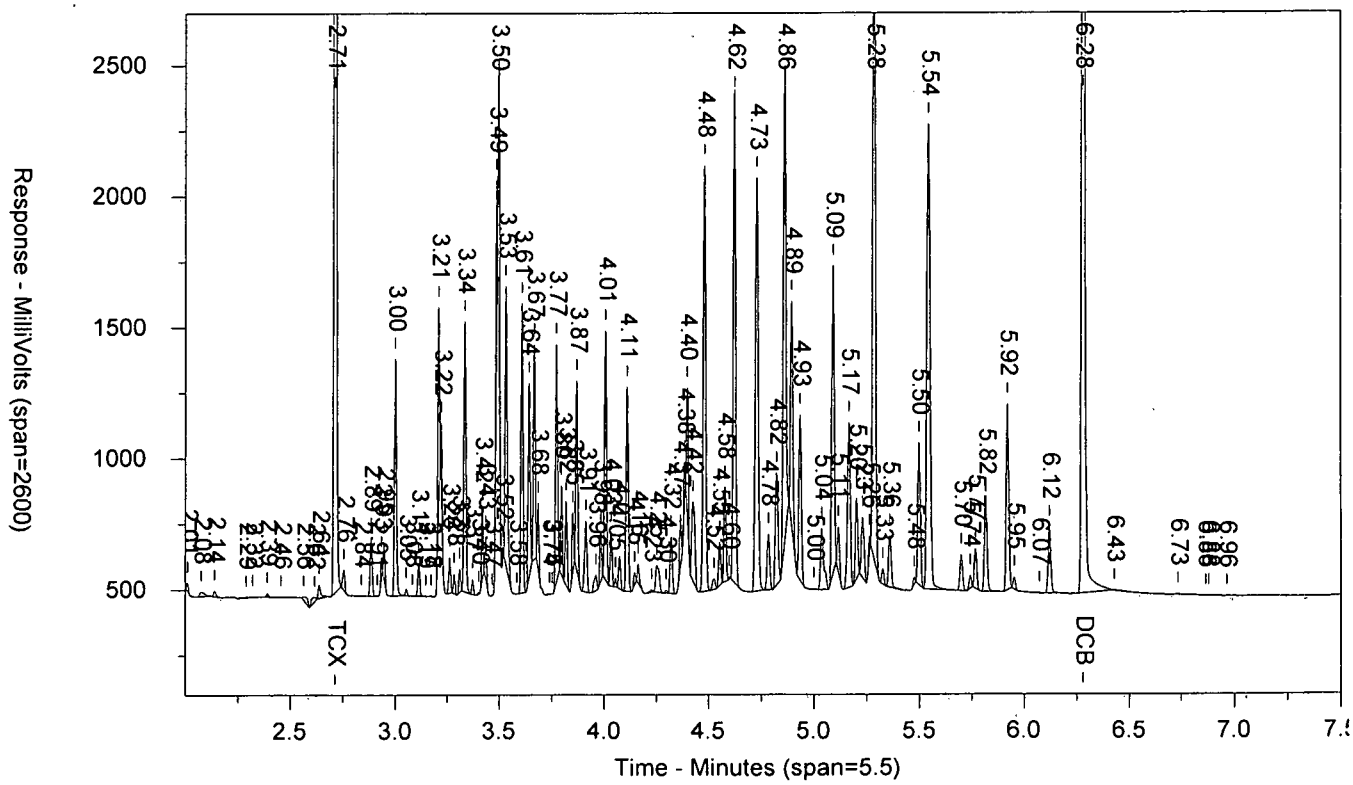

LANCASTER LABORATORIES

Sample Number: AR1641724C BVAR164BV CCAL 185999999 10227 SW-846 8082
Injected On: 3/2/2018 1:35:06 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.991	6302985	40.975	TCX	2.713	11305700	42.824	TCX
6.719	3681420	39.019	DCB	6.28	5508109	38.291	DCB

Files:
Area File: 25PCBs18047010.026.RAW
Area File: 25PCBs18047010B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 1:43:36 AM
File Reported On: 3/2/2018 at 9:06:48 AM

AR1641724C BVAR164BV CCAL 185999999 10227 SW-846 808

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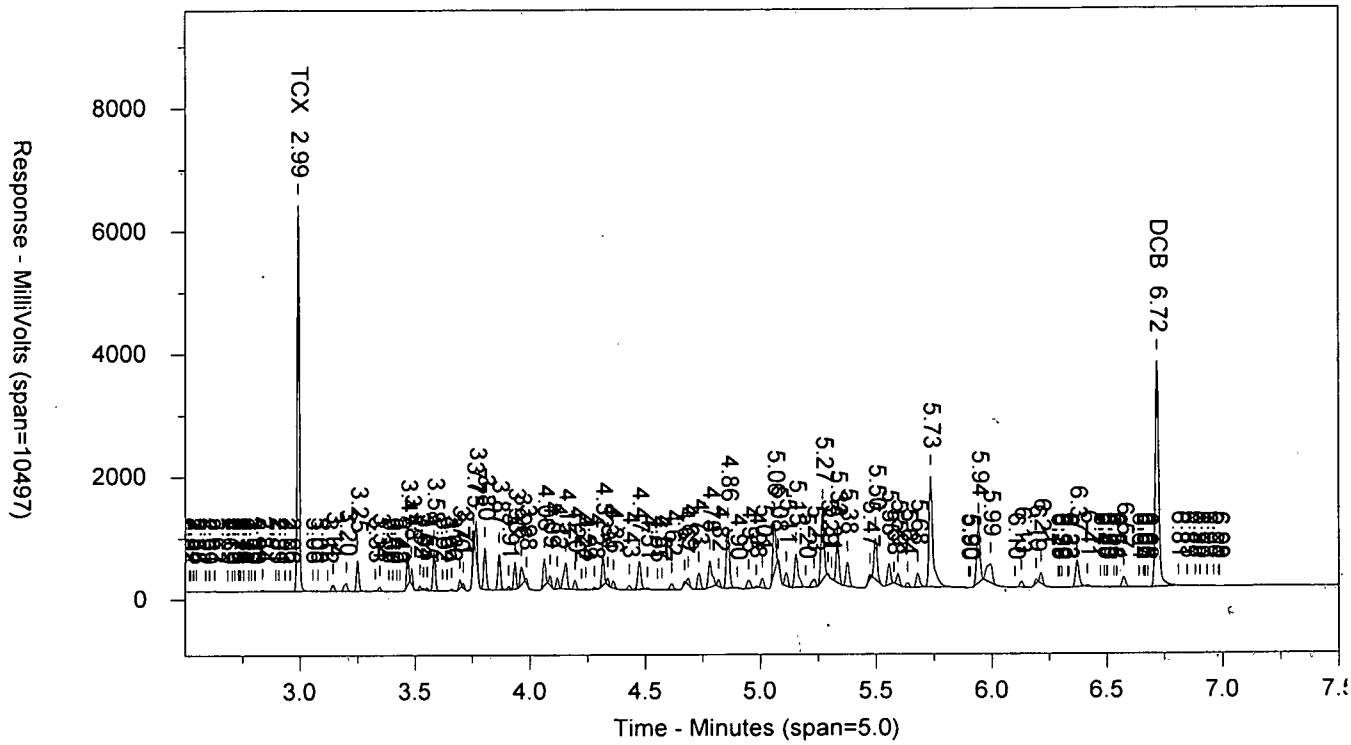

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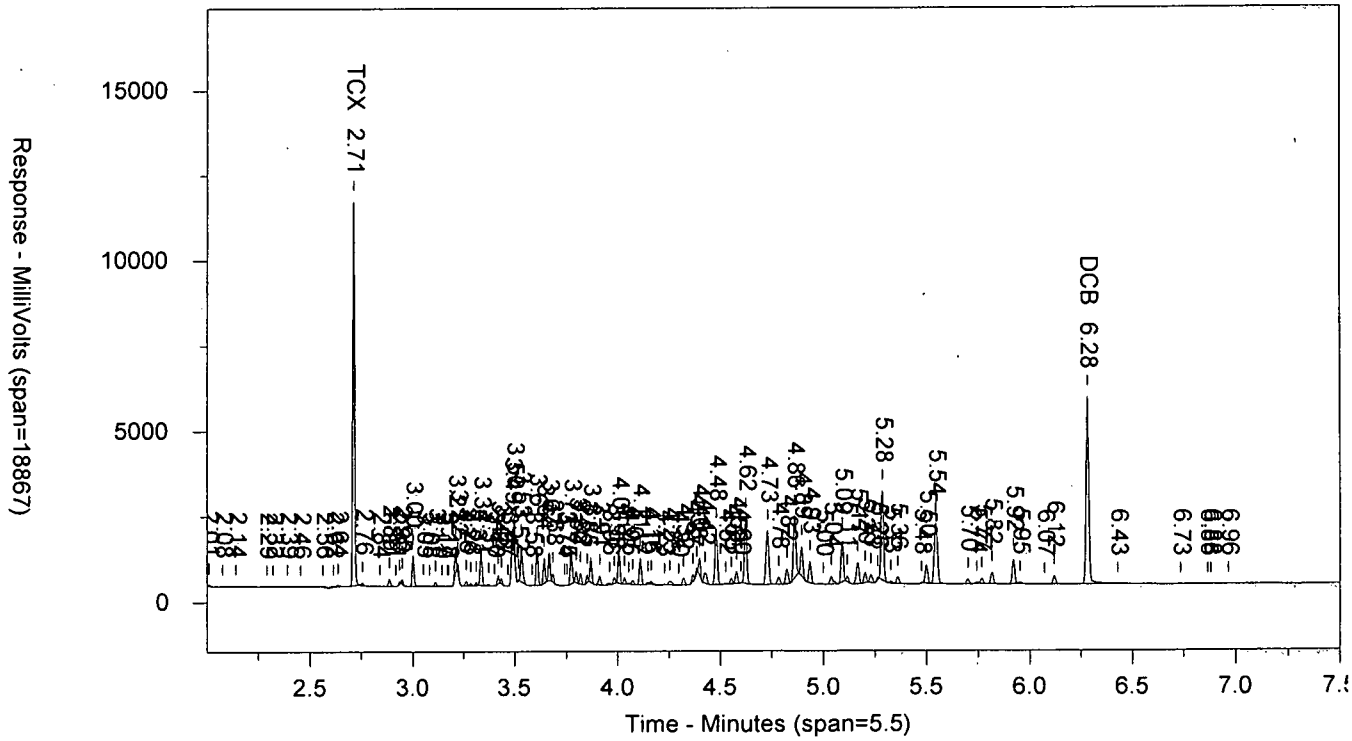

AR1641724C BVAR164BV CCAL 185999999 10227 SW-846 808

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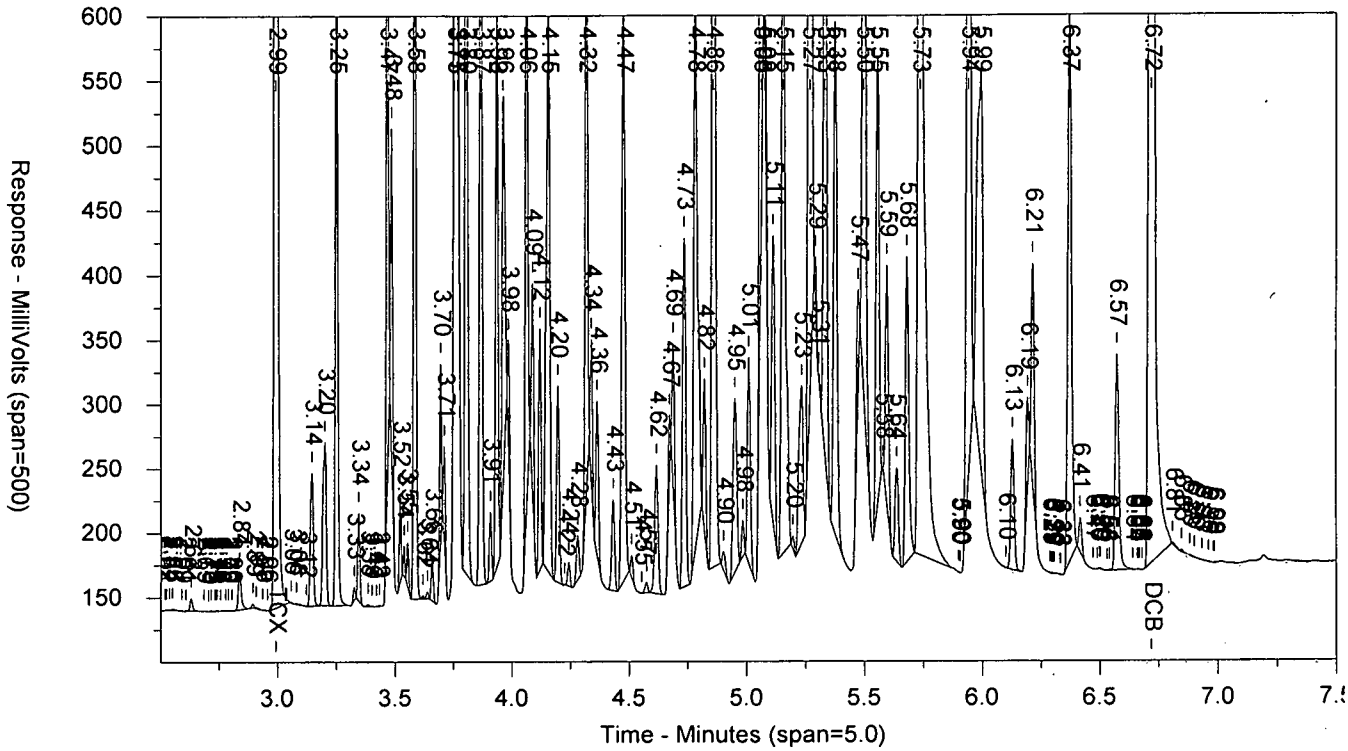

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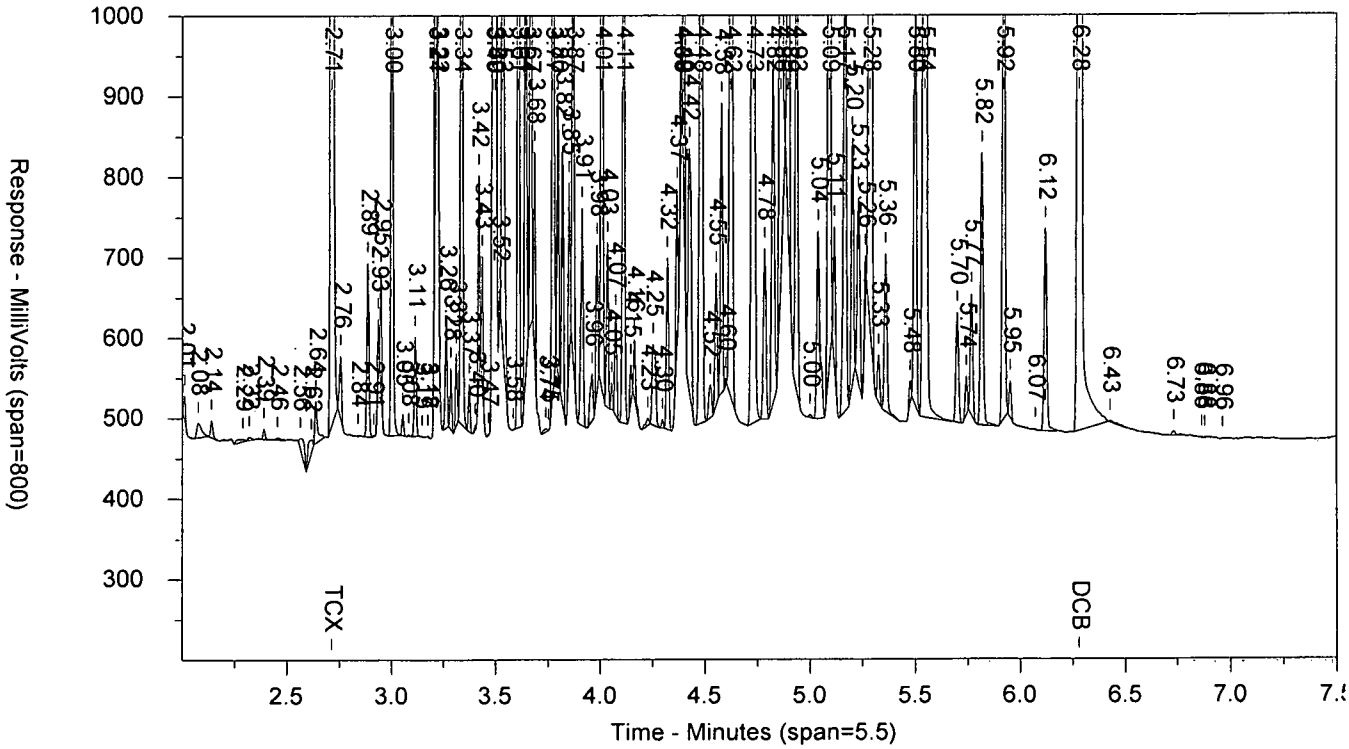

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 3/1/18 CAF PBLK45059 BLK Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Mar 01, 2018 23:07:47
Instrument	18274A
Result file	25PCBS18047010.013.RAW
Calibration file	25PCBS1804701
Method file	25PCBS

%SSR(TCX) 111% (61 - 152) Conc: 33.87658
%SSR(DCB) 109% (48 - 164) Conc: 29.67048

Analysis Report (B)

Injected on	Mar 01, 2018 23:07:47
Instrument	18274B
Result file	25PCBS18047010B.013.RAW
Calibration file	25PCBS1804701B
Method file	25PCBSB

%SSR(TCX) 110% (61 - 152) Conc: 33.49421
%SSR(DCB) 103% (48 - 164) Conc: 28.06246

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.96	2.99	3.02	5211128	33.87658	Tetrachloro-m-xylene	2.69	2.71	2.74	8842543	33.49421
Decachlorobiphenyl	6.69	6.72	6.75	2799377	29.67048	Decachlorobiphenyl	6.25	6.28	6.31	4036730	28.06246

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	33.87658				1.14	
Tetrachloro-m-xylene-D1	A	33.87658					
Tetrachloro-m-xylene-D2	B	33.49421					
Decachlorobiphenyl	A	29.67048				5.57	
Decachlorobiphenyl-D1	A	29.67048					
Decachlorobiphenyl-D2	B	28.06246					

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<3			4	
PCB-1221			<51	<3			3	
PCB-1232			<51	<3			4	
PCB-1242			<51	<3			4	
PCB-1248			<51	<3			4	
PCB-1254			<51	<3			4	
PCB-1260			<51	<3			4	
PCB-1262			<51	<3			4	
PCB-1268			<51	<3			4	
Total PCBs			<51	<3				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

MAR 0 2 2018

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 3/1/18 CAF PBLK45059 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:07:47
Instrument : CP25--18274A
Result file : 25PCBS18047010.013.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 111% (61-152) Conc.: 33.87658
%SSR(DCB) : 109% (48-164) Conc.: 29.67048

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	56.97	
+ 3.23	3.25	3.27	155.6002	0.060562			1
3.23	3.26	3.27	1415.626	0.550985			1
+ 3.45	3.45	3.49	486.3436	0.180311			2
3.45	3.47	3.49	582.2406	0.215865			2
+ 3.56	3.58	3.60	256.9487	0.080254			3
3.56	3.59	3.60	441.248	0.137817			3
3.78	3.79	3.82	1130.618	0.327225			4
+ 3.78	3.81	3.82	625.1348	0.180927			4
+ 3.85	3.85	3.89	183.0578	0.062132			5
3.85	3.86	3.89	541.1522	0.183673			5
+ 3.85	3.87	3.89	456.3851	0.154902			5
+ 4.04	4.05	4.08	267.6162	0.11363			6
+ 4.04	4.06	4.08	252.4104	0.107173			6
4.04	4.07	4.08	449.5432	0.190876			6
Height Summation:			4560.428				
Amount Avg CF:			0.26774	Linear:			
Aroclor-1221					3	169.68	
+ 3.13	3.13	3.17	195.8233	0.1392			1
+ 3.13	3.13	3.17	185.7634	0.132049			1
+ 3.13	3.14	3.17	148.3241	0.105436			1
3.13	3.15	3.17	578.1405	0.41097			1
3.18	3.19	3.22	67115.57	56.90631			2
+ 3.18	3.22	3.22	418.3979	0.354753			2
+ 3.23	3.25	3.27	155.6002	0.040942			3
3.23	3.26	3.27	1415.626	0.372486			3
Height Summation:			69109.3365				
Amount Avg CF:			19.229922	Linear:			
Aroclor-1232					6	25.48	
+ 3.23	3.25	3.27	155.6002	0.052952			1
3.23	3.26	3.27	1415.626	0.481747			1
+ 3.45	3.45	3.49	486.3436	0.38916			2
3.45	3.47	3.49	582.2406	0.465895			2
+ 3.57	3.58	3.61	256.9487	0.174947			3
+ 3.57	3.59	3.61	441.248	0.30043			3
3.57	3.60	3.61	1101.7	0.750107			3
3.79	3.79	3.83	1130.618	0.688725			4
+ 3.79	3.81	3.83	625.1348	0.380806			4
+ 3.85	3.85	3.89	183.0578	0.140415			5
3.85	3.86	3.89	541.1522	0.415093			5
+ 3.85	3.87	3.89	456.3851	0.350072			5
+ 4.04	4.05	4.08	267.6162	0.276896			6
+ 4.04	4.06	4.08	252.4104	0.261163			6
4.04	4.07	4.08	449.5432	0.465132			6
Height Summation:			5220.88				
Amount Avg CF:			0.54445	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:07:47
Instrument : CP25--18274B
Result file : 25PCBS18047010B.013.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 110% (61-152) Conc.: 33.49421
%SSR(DCB) : 103% (48-164) Conc.: 28.06246

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	180.58	
+ 3.32	3.33	3.36	1106.928	0.217065			2
+ 3.32	3.34	3.36	638.0486	0.125119			2
3.32	3.36	3.36	28057.22	5.501937			2
+ 3.51	3.52	3.55	670.21	0.131415			3
+ 3.51	3.53	3.55	1109.273	0.217507			3
3.51	3.54	3.55	1227.018	0.240595			3
+ 3.59	3.59	3.63	791.0881	0.148199			4
+ 3.59	3.60	3.63	745.443	0.139648			4
3.59	3.61	3.63	834.1417	0.156265			4
+ 3.65	3.65	3.69	1218.951	0.303857			5
3.65	3.68	3.69	1290.133	0.321601			5
+ 3.75	3.76	3.79	572.8977	0.13023			6
3.75	3.77	3.79	1250.17	0.284187			6
+ 3.75	3.78	3.79	818.6766	0.1861			6
+ 3.75	3.79	3.79	718.09	0.163235			6
Height Summation:			32658.6827				
Amount Avg CF:			1.300917	Linear:			
Aroclor-1221					1		
2.93	2.94	2.97	119932	80.264115			2
Height Summation:			119932				
Amount Avg CF:			80.264115	Linear:			
Aroclor-1232					5	176.77	
+ 3.32	3.33	3.36	1106.928	0.467807			2
+ 3.32	3.34	3.36	638.0486	0.26965			2
3.32	3.36	3.36	28057.22	11.85747			2
+ 3.52	3.52	3.56	670.21	0.274196			3
+ 3.52	3.53	3.56	1109.273	0.453825			3
3.52	3.54	3.56	1227.018	0.501996			3
+ 3.59	3.60	3.63	745.443	0.315703			4
3.59	3.61	3.63	834.1417	0.353268			4
3.65	3.68	3.69	1290.133	0.835062			5
3.76	3.77	3.80	1250.17	0.703785			6
+ 3.76	3.78	3.80	818.6766	0.460875			6
+ 3.76	3.79	3.80	718.09	0.40425			6
Height Summation:			32658.6827				
Amount Avg CF:			2.850316	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 3/1/18 CAF PBLK45059 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:07:47
Instrument : CP25--18274A
Result file : 25PCBS18047010.013.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**44.34**	
+ 3.23	3.25	3.27	155.6002	0.074171			1
3.23	3.26	3.27	1415.626	0.674795			1
+ 3.45	3.45	3.49	486.3436	0.228336			2
3.45	3.47	3.49	582.2406	0.273359			2
+ 3.57	3.58	3.61	256.9487	0.100161			3
+ 3.57	3.59	3.61	441.248	0.172003			3
3.57	3.60	3.61	1101.7	0.429454			3
3.79	3.79	3.83	1130.618	0.397477			4
+ 3.79	3.81	3.83	625.1348	0.219771			4
+ 3.85	3.85	3.89	183.0578	0.079752			5
3.85	3.86	3.89	541.1522	0.235761			5
+ 3.85	3.87	3.89	456.3851	0.198831			5
+ 4.04	4.05	4.08	267.6162	0.147436			6
+ 4.04	4.06	4.08	252.4104	0.139058			6
4.04	4.07	4.08	449.5432	0.247663			6
Height Summation:			**5220.88**				
Amount Avg CF:			**0.376418**	Linear:			
Aroclor-1248					**6**	**71.74**	
3.79	3.79	3.83	1130.618	0.674607			1
+ 3.79	3.81	3.83	625.1348	0.373			1
+ 3.85	3.85	3.89	183.0578	0.111474			2
3.85	3.86	3.89	541.1522	0.329536			2
+ 3.85	3.87	3.89	456.3851	0.277917			2
+ 3.92	3.92	3.96	155.5917	0.051263			3
3.92	3.93	3.96	907.2011	0.298894			3
+ 4.04	4.05	4.08	267.6162	0.081047			4
+ 4.04	4.06	4.08	252.4104	0.076442			4
4.04	4.07	4.08	449.5432	0.136143			4
+ 4.13	4.16	4.17	621.9945	0.231789			5
4.13	4.17	4.17	681.2185	0.253859			5
4.32	4.32	4.36	2788.186	0.987467			6
+ 4.32	4.34	4.36	1510.375	0.534916			6
Height Summation:			**6497.919**				
Amount Avg CF:			**0.446751**	Linear:			
Aroclor-1254					**6**	**52.32**	
4.45	4.48	4.49	2664.6	0.50719			1
+ 4.65	4.65	4.69	202.4281	0.058813			2
4.65	4.68	4.69	4333.927	1.259166			2
4.71	4.74	4.75	2317.594	0.347284			3
4.84	4.86	4.88	1092.122	0.517433			4
5.13	5.16	5.17	1698.122	0.512425			5
+ 5.13	5.17	5.17	683.108	0.206135			5
5.25	5.27	5.29	2401.038	0.559558			6
Height Summation:			**14507.403**				
Amount Avg CF:			**0.617176**	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:07:47
Instrument : CP25--18274B
Result file : 25PCBS18047010B.013.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**5**	**180.48**	
+ 3.32	3.33	3.36	1106.928	0.273203			2
+ 3.32	3.34	3.36	638.0486	0.157478			2
3.32	3.36	3.36	28057.22	6.924853			2
+ 3.51	3.52	3.55	670.21	0.160344			3
+ 3.51	3.53	3.55	1109.273	0.265387			3
3.51	3.54	3.55	1227.018	0.293557			3
+ 3.59	3.60	3.63	745.443	0.176992			4
3.59	3.61	3.63	834.1417	0.198052			4
3.65	3.68	3.69	1290.133	0.413941			5
+ 3.76	3.76	3.80	572.8977	0.165127			6
3.76	3.77	3.80	1250.17	0.360338			6
+ 3.76	3.78	3.80	818.6766	0.235968			6
+ 3.76	3.79	3.80	718.09	0.206976			6
Height Summation:			**32658.6827**				
Amount Avg CF:			**1.638148**	Linear:			
Aroclor-1248					**6**	**52.14**	
+ 3.51	3.52	3.55	670.21	0.291051			1
+ 3.51	3.53	3.55	1109.273	0.481722			1
3.51	3.54	3.55	1227.018	0.532855			1
+ 3.59	3.59	3.63	791.0881	0.25741			2
+ 3.59	3.60	3.63	745.443	0.242558			2
3.59	3.61	3.63	834.1417	0.27142			2
3.62	3.65	3.66	1218.951	0.238583			3
+ 3.75	3.76	3.79	572.8977	0.093711			4
3.75	3.77	3.79	1250.17	0.204496			4
+ 3.75	3.78	3.79	818.6766	0.133915			4
+ 3.75	3.79	3.79	718.09	0.117461			4
3.85	3.86	3.89	3055.908	0.744084			5
3.99	4.01	4.03	4890.948	0.617917			6
Height Summation:			**12477.1367**				
Amount Avg CF:			**0.434892**	Linear:			
Aroclor-1254					**6**	**42.33**	
4.37	4.38	4.41	4185.563	0.388519			1
4.46	4.49	4.50	5168.947	1.064286			2
4.60	4.62	4.64	3257.771	0.79985			3
4.71	4.73	4.75	3643.193	0.961427			4
4.76	4.78	4.80	6649.324	1.363509			5
4.84	4.86	4.88	3865.595	0.519785			6
Height Summation:			**26770.393**				
Amount Avg CF:			**0.849563**	Linear:			
Aroclor-1260					**6**	**25.58**	
4.60	4.62	4.64	3257.771	0.35567			1
4.71	4.73	4.75	3643.193	0.479828			2
4.84	4.86	4.88	3865.595	0.427293			3
5.07	5.09	5.11	2660.079	0.461526			4
5.27	5.29	5.31	3126.114	0.240594			5
5.53	5.55	5.57	4888.828	0.544901			6
Height Summation:			**21441.58**				
Amount Avg CF:			**0.418302**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 3/1/18 CAF PBLK45059 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:07:47
Instrument : CP25--18274A
Result file : 25PCBS18047010.013.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**68.71**	
+ 4.84	4.84	4.88	224.8865	0.046384			1
4.84	4.86	4.88	1092.122	0.225257			1
5.25	5.27	5.29	2401.038	0.402161			2
5.31	5.32	5.35	1553.193	0.501102			3
+ 5.31	5.34	5.35	737.9762	0.238091			3
+ 5.48	5.48	5.52	254.1279	0.075487			4
+ 5.48	5.50	5.52	115.4911	0.034306			4
5.48	5.50	5.52	359.1168	0.106673			4
+ 5.48	5.51	5.52	252.6108	0.075036			4
5.71	5.74	5.75	512.0959	0.060363			5
5.92	5.94	5.96	2944.157	0.586695			6
Height Summation:			**8861.7227**				
Amount Avg CF:			**0.313709**	Linear:			
Aroclor-1262					**6**	**188.85**	
5.32	5.34	5.36	737.9762	0.135605			1
+ 5.48	5.50	5.52	115.4911	0.023927			2
5.48	5.50	5.52	359.1168	0.0744			2
+ 5.48	5.51	5.52	252.6108	0.052335			2
+ 5.48	5.52	5.52	341.5973	0.070771			2
+ 5.72	5.74	5.76	512.0959	0.048834			3
5.72	5.76	5.76	43097.23	4.109783			3
5.92	5.94	5.96	2944.157	0.460646			4
+ 5.92	5.96	5.96	89.03287	0.01393			4
5.98	5.98	6.02	520.8458	0.15953			5
+ 5.98	5.99	6.02	441.6771	0.135281			5
+ 5.98	6.02	6.02	305.9886	0.093721			5
+ 6.35	6.36	6.39	193.1353	0.049036			6
6.35	6.37	6.39	605.1177	0.153636			6
+ 6.35	6.39	6.39	238.076	0.060446			6
+ 6.35	6.39	6.39	258.5777	0.065652			6
Height Summation:			**48264.4435**				
Amount Avg CF:			**0.848933**	Linear:			
Aroclor-1268					**6**	**178.49**	
5.92	5.94	5.96	2944.157	0.215504			1
5.98	5.98	6.02	520.8458	0.044959			2
+ 5.98	5.99	6.02	441.6771	0.038125			2
6.11	6.13	6.15	46971.84	4.116869			3
6.17	6.19	6.21	48751.02	16.619694			4
+ 6.35	6.35	6.39	393.9452	0.08271			5
+ 6.35	6.36	6.39	193.1353	0.040549			5
6.35	6.37	6.39	605.1177	0.127047			5
+ 6.35	6.39	6.39	238.076	0.049985			5
6.55	6.57	6.59	32480.81	0.843049			6
Height Summation:			**132273.7905**				
Amount Avg CF:			**3.661187**	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:07:47
Instrument : CP25--18274B
Result file : 25PCBS18047010B.013.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**32.67**	
5.08	5.09	5.12	2660.079	0.31912			2
5.27	5.29	5.31	3126.114	0.183701			3
5.49	5.51	5.53	2229.142	0.347047			4
5.53	5.55	5.57	4888.828	0.437851			5
Height Summation:			**12904.163**				
Amount Avg CF:			**0.32193**	Linear:			
Aroclor-1268					**5**	**167.66**	
5.48	5.51	5.52	2229.142	0.111588			1
5.53	5.55	5.57	4888.828	0.236718			2
5.68	5.70	5.72	62555.61	3.778478			3
5.75	5.77	5.79	77683.31	18.391823			4
6.10	6.12	6.14	47364.54	0.797375			6
Height Summation:			**194721.43**				
Amount Avg CF:			**4.663196**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	3		** 131.73	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 3/1/18 CAF PBLK45059 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:07:47
Instrument : CP25--18274A
Result file : 25PCBS18047010.013.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Mar 01, 2018 23:07:47
Instrument : CP25--18274B
Result file : 25PCBS18047010B.013.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1221			51	3		** 122.69	3	5	
Aroclor-1232			51	3		** 135.85	4	10	
Aroclor-1242			51	3		** 125.26	4	30	
Aroclor-1248			51	3		2.69	4	40	
Aroclor-1254			51	3		31.69	4	40	
Aroclor-1260			51	3		28.58	4	40	
Aroclor-1262			51	3		** 90.02	4	40	
Aroclor-1268			51	3		24.07	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 3/1/18 CAF ACPBLK45059 BLK 180590045A 10225 SW-846 8082
Injected On: 3/1/2018 11:07:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.02		6838	5994
2.038		7455	5739
2.053		12409	9142
2.066		6433	4145
2.082		1476	686
2.1		6055	4969
2.134		761	421
2.148		5339	3301
2.169		4262	2203
2.193		323143	214172
2.225		1593	871
2.247		925	246
2.263		5030	2598
2.284		8454	6030
2.303		1492	1156
2.341		766	377
2.376		4439	2804
2.395		2043	1221
2.425		366	362
2.434		635	205
2.453		162125	102221
2.489		985	541
2.51		959	636
2.519		790	243
2.538		4156	3764
2.579		5148	3193
2.601		6649	3941
2.631		2233	1191
2.651		218	81
2.661		117	51
2.665		801	274
2.682		2762	1545
2.716		2842	2150
2.749		1201	611
2.765		5819	3414
2.809		162888	128849
2.846		389	243
2.851		471	126
2.867		788	305
2.893		3339	2601
2.921		1227	671
2.94		6939	5794
2.969		275	97
2.993	TCX	5211128	3322175
3.078		1066	492
3.1		280	50
3.106		457	225
3.123		204	29
3.128		196	37
3.134		186	30
3.143		148	30
3.149		578	196
3.178		3142	1378
3.195		67116	41134

RT A	Compound A	Height A	Area A
3.22		418	103
3.253		156	189
3.264		1416	877
3.302		388	132
3.307		425	123
3.327		11925	7589
3.352		480	341
3.373		305	91
3.385		276	61
3.391		309	91
3.404		343	67
3.415		149	19
3.427		525	168
3.432		303	53
3.439		315	71
3.453		486	175
3.47		582	227
3.49		220	39
3.504		241	73
3.516		105	22
3.523		408	119
3.542		2089	1168
3.56		3988	2437
3.58		257	157
3.588		441	149
3.604		1102	643
3.621		275	138
3.626		322	120
3.664		16339	11651
3.692		321	137
3.7		337	121
3.733		14510	10235
3.757		299	90
3.773		342	135
3.789		1131	702
3.809		625	396
3.827		296	101
3.834		328	60
3.841		171	44
3.852		183	78
3.857		541	100
3.869		456	221
3.889		224	66
3.899		376	79
3.904		386	79
3.916		156	67
3.93		907	665
3.963		201	32
3.977		183	32
3.992		154	48
4.007		170	74
4.013		333	42
4.032		265	136
4.046		268	39
4.056		252	61
4.066		450	455
4.092		257	50
4.115		602	463
4.131		152	28
4.158		622	622
4.172		681	380
4.197		231	66
4.204		222	54
4.211		175	47
4.222		389	149
4.233		206	36

RT A	Compound A	Height A	Area A
4.247		227	26
4.277		6890	8210
4.318		2788	1992
4.341		1510	870
4.359		218	42
4.388		1126	974
4.418		228	33
4.433		167	57
4.441		304	39
4.452		209	97
4.476		2665	2379
4.504		169	26
4.515		371	116
4.554		675	473
4.57		198	33
4.582		266	65
4.599		334	69
4.609		344	185
4.616		821	603
4.646		202	47
4.654		202	57
4.675		4334	4346
4.705		291	86
4.737		2318	2202
4.762		448	81
4.769		145	22
4.783		225	49
4.793		222	60
4.8		244	44
4.824		827	502
4.839		225	37
4.862		1092	1123
4.88		327	69
4.89		227	58
4.908		458	117
4.93		734	476
4.955		3018	2781
4.987		12459	11584
5.025		253	54
5.031		354	90
5.064		1961	1630
5.083		399	105
5.114		337	164
5.127		237	41
5.156		1698	1225
5.172		683	452
5.203		324	90
5.228		22353	21918
5.273		2401	2292
5.296		133	30
5.316		1553	1312
5.337		738	495
5.363		129	22
5.373		179	36
5.379		418	155
5.398		259	22
5.404		214	39
5.41		274	71
5.418		315	67
5.429		116	31
5.435		236	54
5.448		153	33
5.479		254	205
5.496		115	17
5.501		359	77
5.509		253	49

RT A	Compound A	Height A	Area A
5.516		342	66
5.527		181	47
5.542		324	89
5.555		216	91
5.579		572	270
5.611		138	16
5.637		19947	20239
5.679		259	82
5.685		337	68
5.695		261	55
5.701		111	26
5.712		282	158
5.737		512	316
5.758		43097	39903
5.796		126	22
5.801		471	94
5.808		192	31
5.814		209	65
5.83		235	135
5.844		209	37
5.854		441	248
5.872		296	68
5.879		143	24
5.892		177	24
5.902		95	33
5.907		312	57
5.916		303	122
5.942		2944	3399
5.962		89	17
5.97		129	41
5.981		521	295
5.989		442	280
6.017		306	117
6.036		372	77
6.042		145	23
6.047		253	40
6.052		234	33
6.059		202	43
6.068		301	62
6.075		219	32
6.091		207	40
6.104		140	22
6.128		46972	44644
6.16		299	100
6.193		48751	41493
6.213		4601	2889
6.286		403	310
6.295		238	44
6.3		404	66
6.309		293	111
6.32		159	42
6.331		221	62
6.341		174	31
6.345		180	24
6.35		394	84
6.362		193	32
6.375		605	430
6.385		238	33
6.394		259	50
6.405		265	104
6.42		121	20
6.428		416	136
6.435		273	58
6.443		429	102
6.448		221	61
6.461		383	75

RT A	Compound A	Height A	Area A
6.47		297	99
6.476		420	121
6.495		897	732
6.531		388	212
6.545		244	51
6.572		32481	33178
6.604		230	51
6.61		174	29
6.625		270	90
6.637		298	52
6.642		247	45
6.655		346	107
6.661		214	39
6.668		218	56
6.682		159	41
6.719	DCB	2799377	2899593
6.799		695	199
6.835		578	690
6.875		313	50
6.895		395	99
6.914		390	99
6.933		114	17
6.939		472	428
6.962		378	50
6.968		161	25
6.972		201	54
6.986		152	40
6.994		178	70

LANCASTER LABORATORIES

Sample Number: BLANKA 3/1/18 CAF ACPBLK45059 BLK 180590045A 10225 SW-846 8082
Injected On: 3/1/2018 11:07:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.01		8702	5274
2.072		16791	27764
2.12		7121	5454
2.14		4760	3379
2.18		4364	1791
2.201		281246	169186
2.224		8502	5347
2.272		9725	7498
2.324		4497	4447
2.365		11219	13222
2.404		4130	2416
2.427		3353	2266
2.444		2518	1143
2.484		11058	8689
2.527		135215	82017
2.553		220345	129162
2.578		4752	3323
2.593		3025	3754
2.63		2001	1062
2.648		3937	2041
2.664		4000	1908
2.686		13532	7844
2.714	TCX	8842543	5428458
2.835		10305	6026
2.917		2975	2370
2.936		119932	76563
3.027		3653	2144
3.055		21465	13886
3.074		1031	172
3.091		915	217
3.12		1274	543
3.133		1107	230
3.146		1277	525
3.154		800	368
3.173		1625	1205
3.2		490	276
3.216		841	254
3.246		504	96
3.253		5169	2127
3.274		1037	417
3.29		6941	4461
3.328		1107	295
3.337		638	177
3.355		28057	16755
3.384		1716	651
3.405		901	371
3.417		613	83
3.433		25178	17748
3.472		1095	833
3.476		1214	402
3.496		937	425
3.519		670	109
3.529		1109	586
3.541		1227	598

RT B	Compound B	Height B	Area B
3.558		700	243
3.58		922	138
3.589		791	294
3.597		745	196
3.612		834	515
3.647		1219	730
3.676		1290	1615
3.702		1284	993
3.735		2663	3190
3.756		573	207
3.771		1250	442
3.784		819	155
3.79		718	118
3.798		2468	966
3.826		2085	2480
3.862		3056	6099
3.931		1171	358
3.959		5684	5444
4.01		4891	4393
4.035		2173	1259
4.076		25229	23904
4.112		2267	1293
4.15		3014	2502
4.218		5104	6638
4.281		1327	1361
4.298		5059	5342
4.359		1391	672
4.384		4186	3884
4.436		1222	717
4.486		5169	4893
4.553		7017	5475
4.599		19881	16286
4.624		3258	2210
4.659		686	220
4.687		970	973
4.732		3643	3640
4.784		6649	7779
4.836		29872	22674
4.864		3866	3026
4.943		1738	387
5.021		944	341
5.066		864	328
5.093		2660	2128
5.118		2376	1912
5.16		4549	5254
5.206		1738	945
5.217		1888	581
5.239		23863	19080
5.286		3126	3293
5.361		61568	60789
5.473		729	187
5.506		2229	2574
5.549		4889	5055
5.605		1534	1716
5.65		1171	680
5.701		62556	57515
5.769		77683	69750
5.817		20282	17155
5.851		1194	1620
6.005		1211	957
6.089		1365	614
6.121		47365	40983
6.174		1475	2480
6.234		783	357
6.281	DCB	4036731	3817091
6.597		1309	4117

RT B	Compound B	Height B	Area B
6.696		908	298
6.733		1377	740
6.825		1074	463
6.908		1419	838
6.953		1079	1007

BLANKA 3/1/18 CAF ACPBLK45059 BLK 180590045A 10225 SW-846 8

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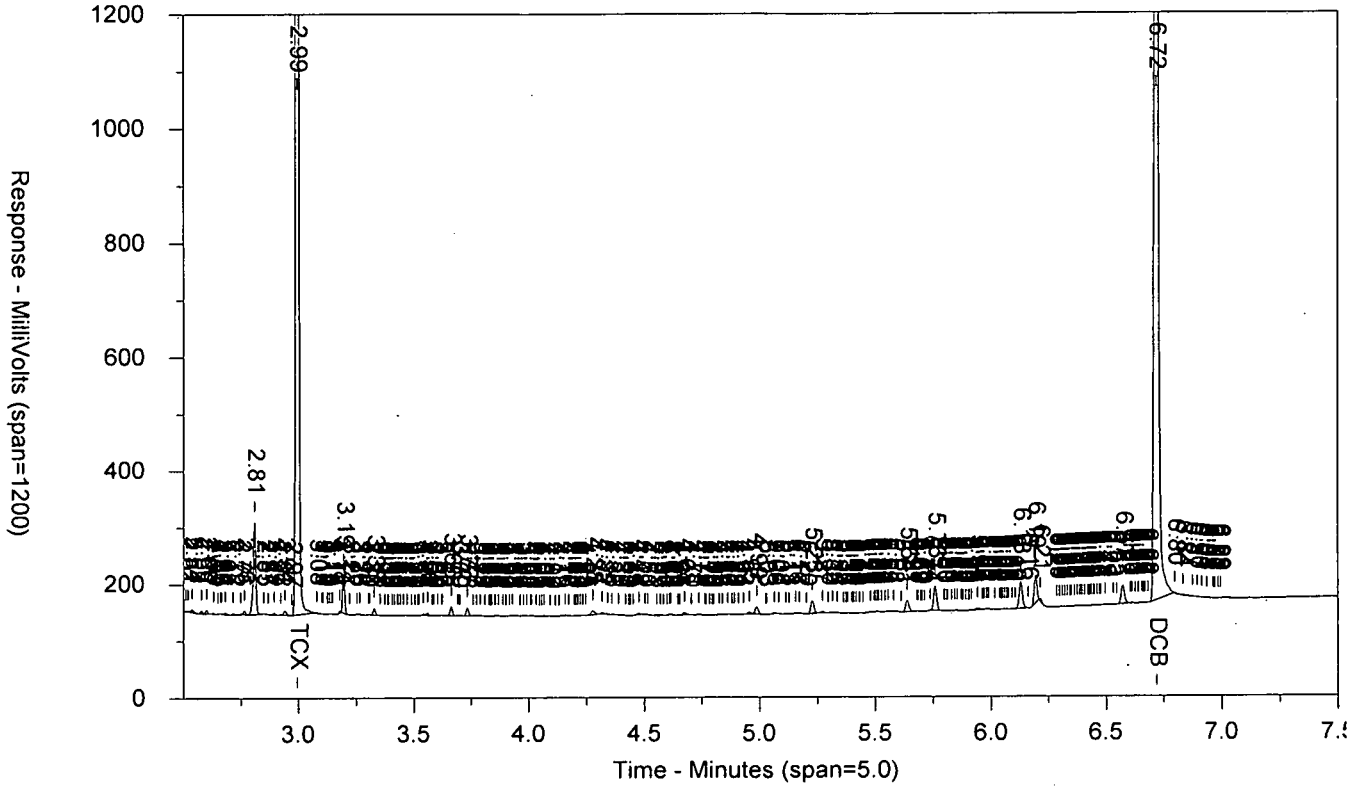

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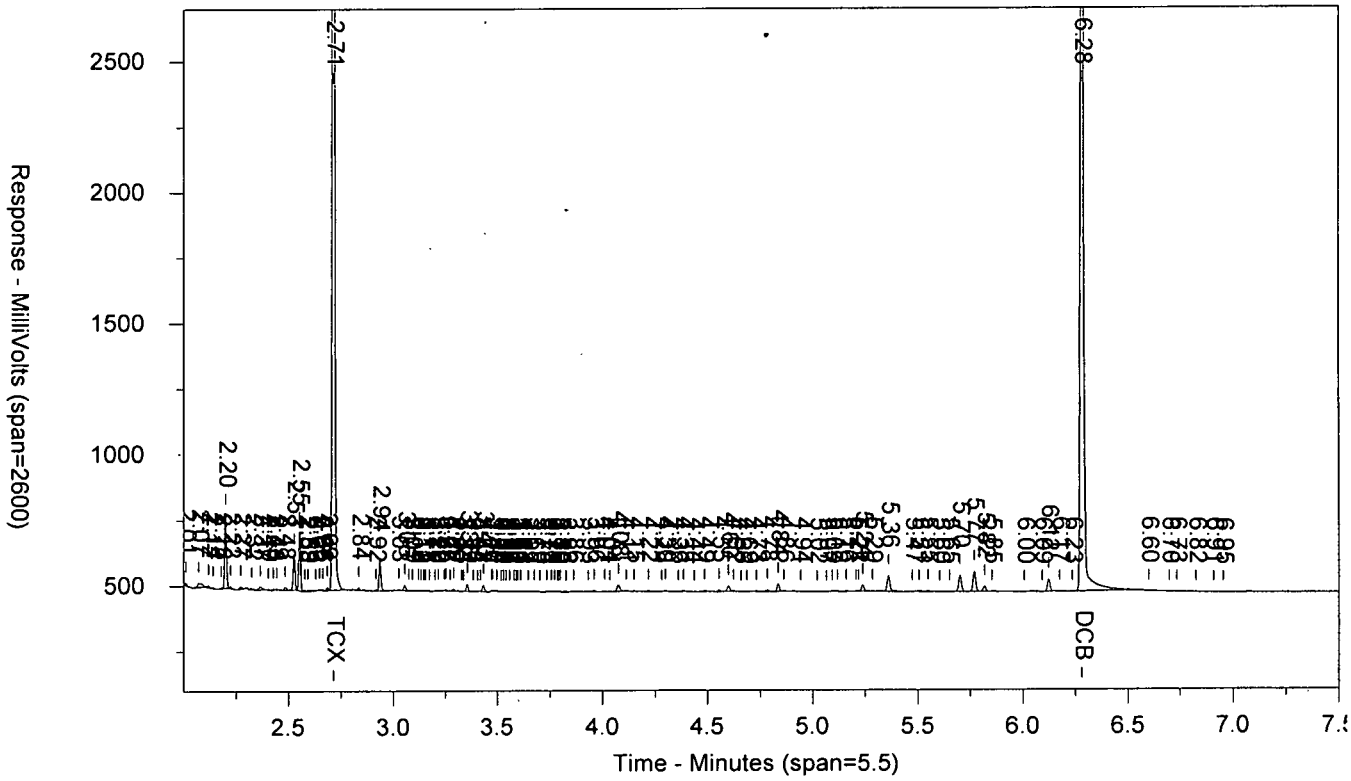

LANCASTER LABORATORIES

Sample Number: BLANKA 3/1/18 CAF ACPBLK45059 BLK 180590045A 10225 SW-846 8082
Injected On: 3/1/2018 11:07:47 PM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.993	5211128	33.877	TCX	2.714	8842543	33.494	TCX
6.719	2799377	29.67	DCB	6.281	4036731	28.062	DCB

Files:
Area File: 25PCBs18047010.013.RAW
Area File: 25PCBs18047010B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/1/2018 11:16:17 PM
File Reported On: 3/2/2018 at 9:01:45 AM

BLANKA 3/1/18 CAF ACPBLK45059 BLK 180590045A 10225 SW-846 8

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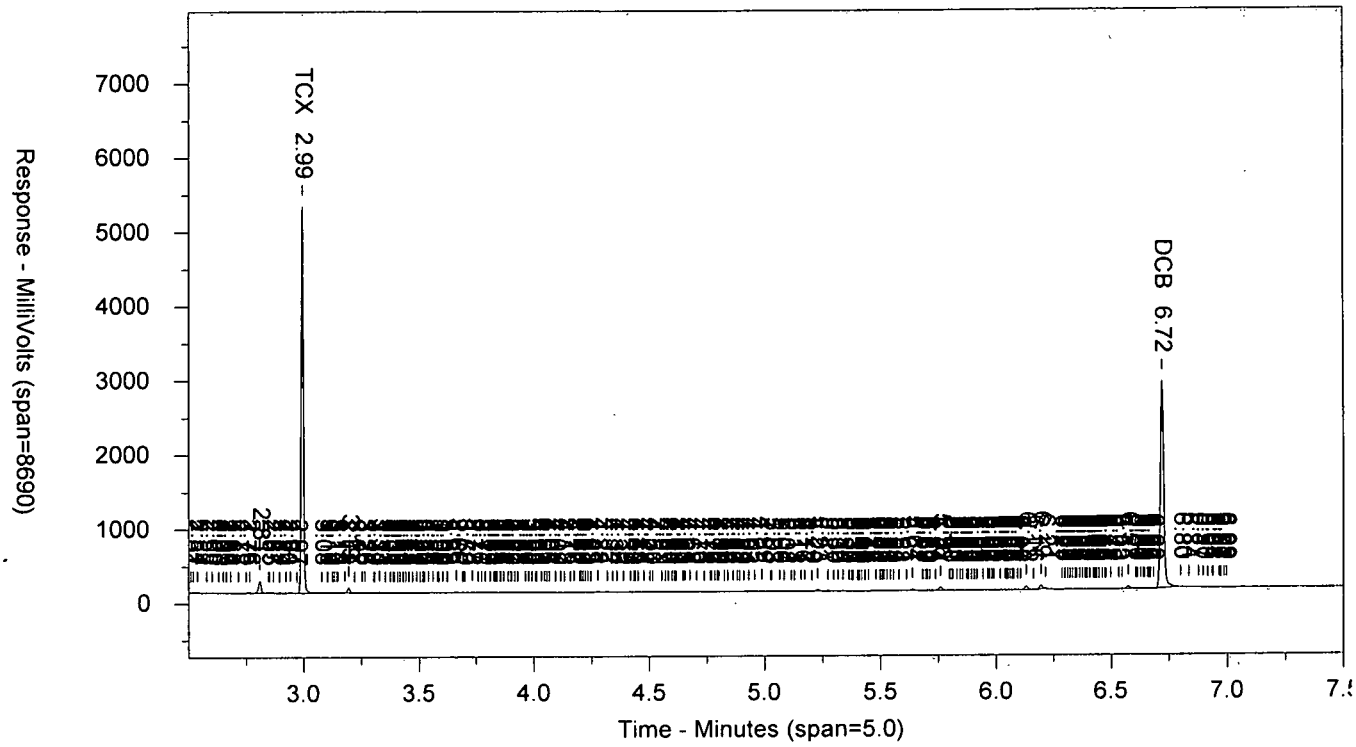

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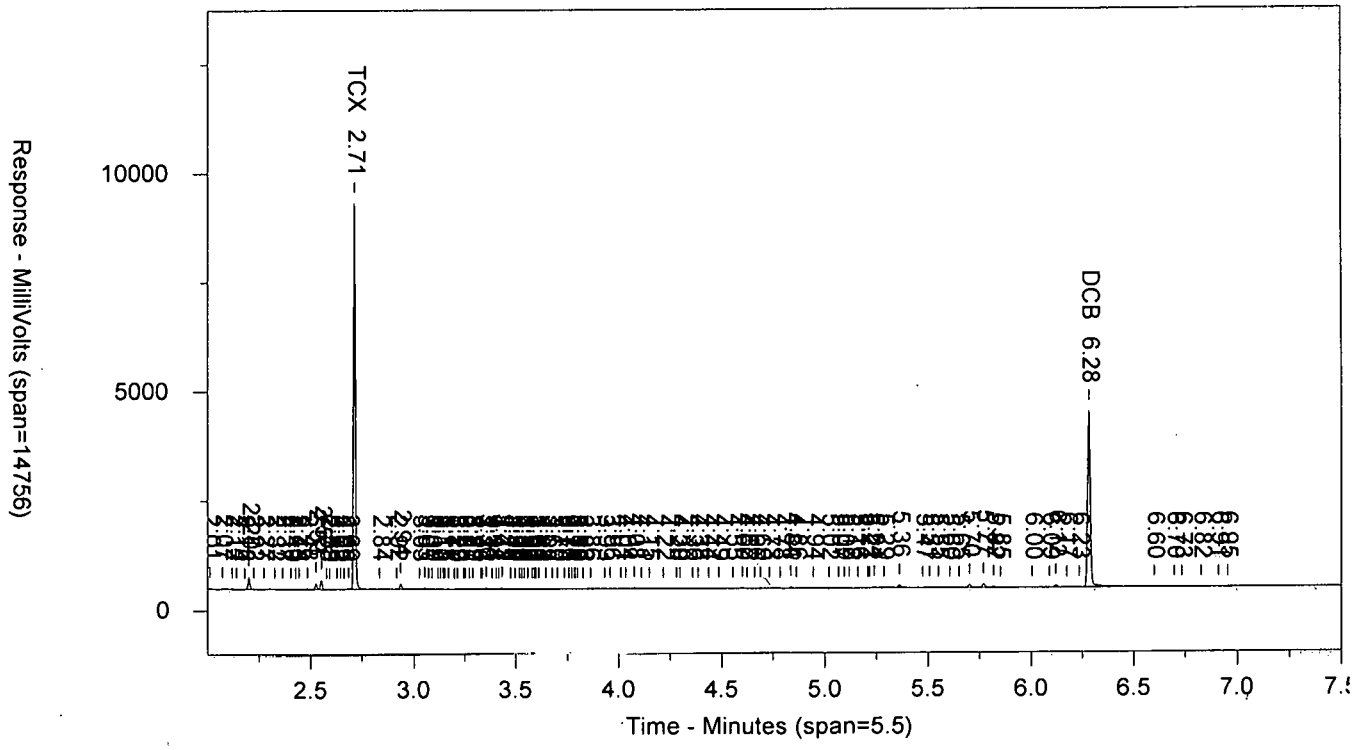

BLANKA 3/1/18 CAF ACPBLK45059 BLK 180590045A 10225 SW-846 8

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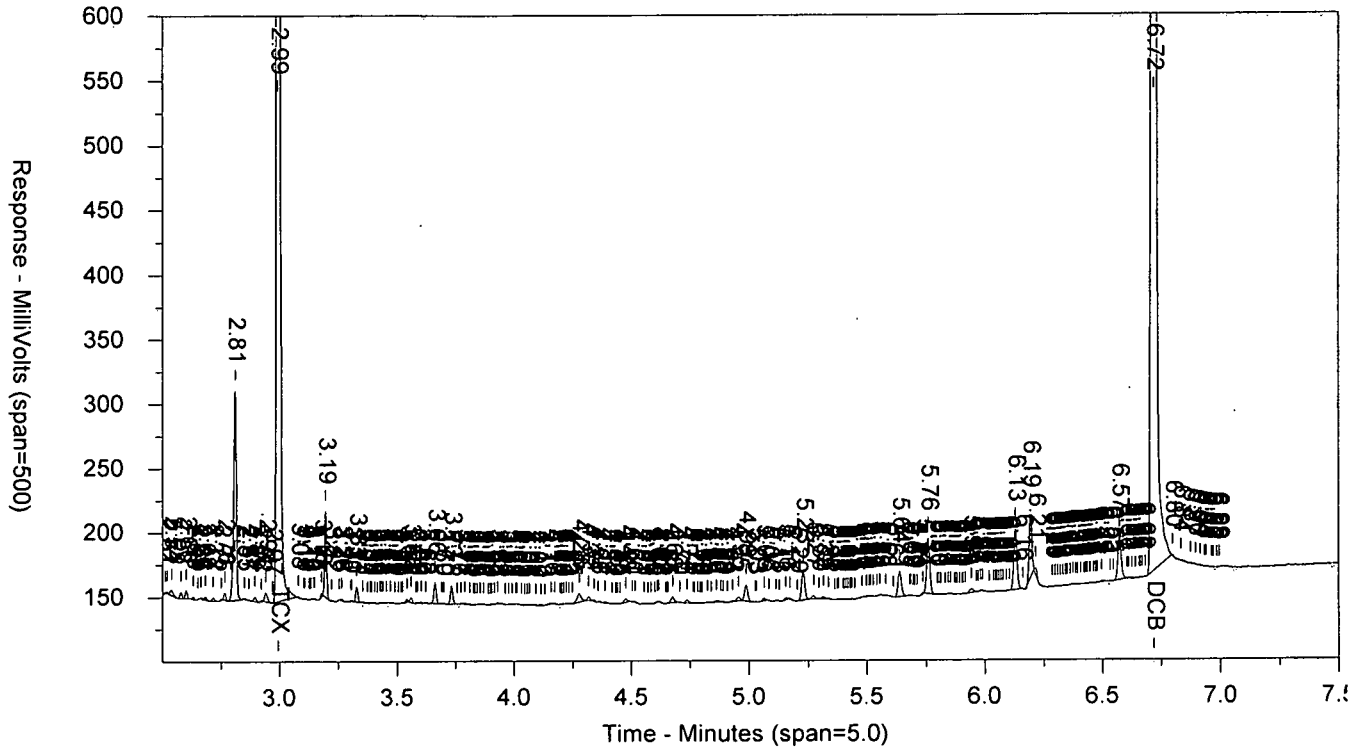

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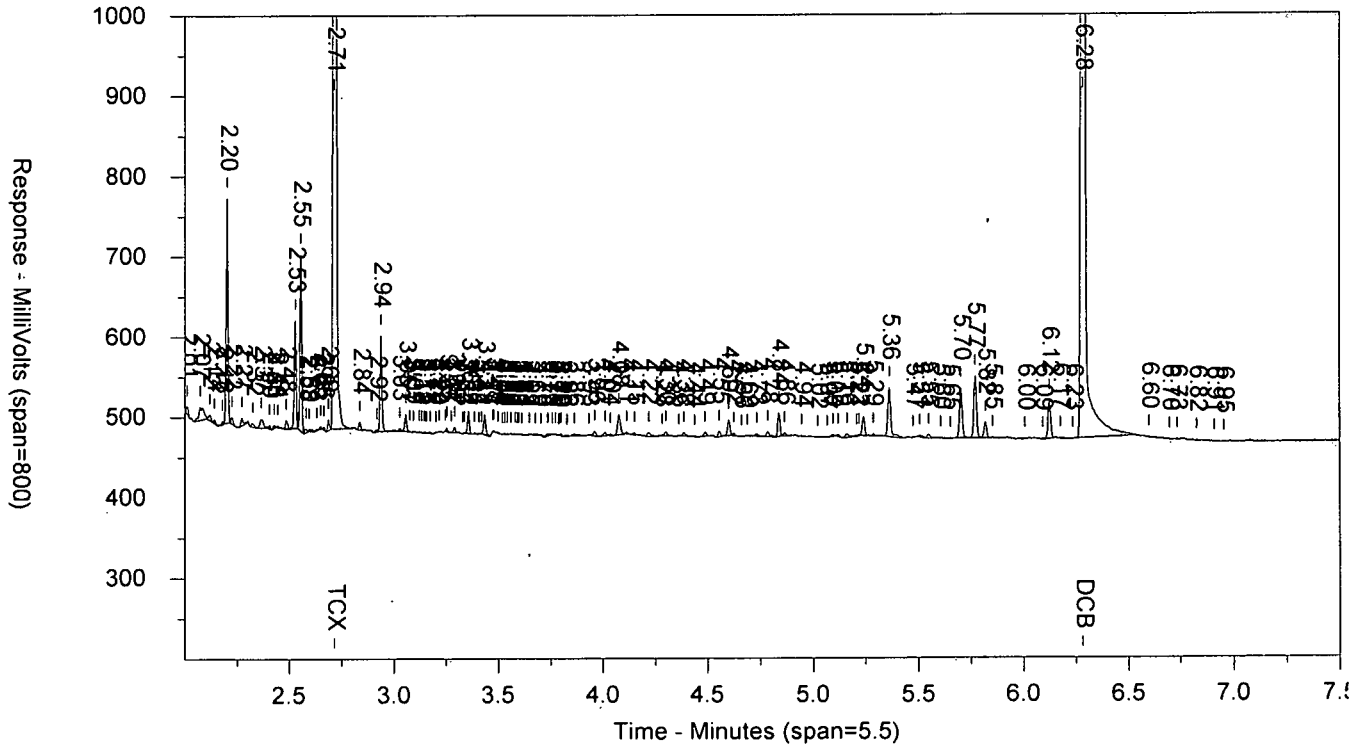

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Data Summary

Sample Name: 9481688 MS CAF A6302MS MS Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.21 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on Mar 02, 2018 00:15:34
Instrument 18274A
Result file 25PCBS18047010.019.RAW
Calibration file 25PCBS1804701
Method file 25PCBS

%SSR(TCX) 98% (61 - 152) Conc: 29.33286
%SSR(DCB) 107% (48 - 164) Conc: 28.50691

Analysis Report (B)

Injected on Mar 02, 2018 00:15:34
Instrument 18274B
Result file 25PCBS18047010B.019.RAW
Calibration file 25PCBS1804701B
Method file 25PCBSB

%SSR(TCX) 101% (61 - 152) Conc: 30.11187
%SSR(DCB) 98% (48 - 164) Conc: 26.01944

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.96	2.99	3.02	4606938	29.33286
Decachlorobiphenyl	6.69	6.71	6.75	2746077	28.50691

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.69	2.71	2.74	8116540	30.11187
Decachlorobiphenyl	6.25	6.28	6.31	3821445	26.01944

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	30.11187				2.62	
Tetrachloro-m-xylene-D1	A	29.33286					
Tetrachloro-m-xylene-D2	B	30.11187					
Decachlorobiphenyl	A	28.50691				9.12	
Decachlorobiphenyl-D1	A	28.50691					
Decachlorobiphenyl-D2	B	26.01944					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.78**	
3.23	3.25	3.27	1124646	428.727192			1
3.45	3.47	3.49	1224778	444.745187			2
3.56	3.58	3.60	1380911	422.434782			3
3.78	3.80	3.82	1573167	445.943093			4
3.85	3.87	3.89	1371675	455.98679			5
4.04	4.06	4.08	1058961	440.38682			6
Height summation:			**7734138**				
Concentration		CF:	**439.703977**	L:			
Aroclor-1260						**5.49**	
4.84	4.86	4.88	2396310	484.087645			1
5.25	5.27	5.29	3380074	554.500053			2
5.31	5.33	5.35	1573355	497.166264			3
5.48	5.49	5.52	1697265	493.790723			4
5.71	5.73	5.75	4690642	541.534832			5
5.92	5.94	5.96	2646206	516.475317			6
Height summation:			**16383852**				
Concentration		CF:	**514.592472**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.35**	
2.98	3.00	3.02	1938007	427.717557			1
3.32	3.33	3.36	2245544	431.287399			2
3.51	3.53	3.55	2402734	461.43969			3
3.59	3.61	3.63	2514552	461.376679			4
3.65	3.66	3.69	1870143	456.595991			5
3.75	3.77	3.79	2010101	447.535145			6
Height summation:			**12981081**				
Concentration		CF:	**447.658744**	L:			
Aroclor-1260						**4.84**	
4.60	4.62	4.64	4524456	483.802233			1
4.71	4.73	4.75	3714884	479.206444			2
4.84	4.86	4.88	4772340	516.671662			3
5.07	5.09	5.11	2711820	460.825989			4
5.27	5.28	5.31	6636717	500.273601			5
5.53	5.54	5.57	4167488	454.947407			6
Height summation:			**26527705**				
Concentration		CF:	**482.621223**	L:			

Valerie L. Tomayko
Principal Specialist

MAR 0 2 2018

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:19

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Data Summary

Sample Name: 9481688 MS CAF A6302MS MS Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.21 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Mar 02, 2018 00:15:34
Instrument	18274A
Result file	25PCBS18047010.019.RAW
Calibration file	25PCBS1804701
Method file	25PCBS

Analysis Report (B)

Injected on	Mar 02, 2018 00:15:34
Instrument	18274B
Result file	25PCBS18047010B.019.RAW
Calibration file	25PCBS1804701B
Method file	25PCBSB

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐	PCB-1016	B	447.658744	49.951	2.9383		1.79	4	
☐	PCB-1221			<49.951	<2.9383			3	
☐	PCB-1232			<49.951	<2.9383			4	
☐	PCB-1242			<49.951	<2.9383			4	
☐	PCB-1248			<49.951	<2.9383			4	
☐	PCB-1254			<49.951	<2.9383			4	
☐	PCB-1260	A	514.592472	49.951	2.9383		6.41	4	
☐	PCB-1262			<49.951	<2.9383			4	
☐	PCB-1268			<49.951	<2.9383			4	
☐	Total PCBs	A	962.251216	49.951	2.9383				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:19

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9481688** MS CAF A6302MS Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.21 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:15:34
Instrument : CP25--18274A
Result file : 25PCBS18047010.019.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 98% (61-152) Conc.: 29.33286
%SSR(DCB) : 107% (48-164) Conc.: 28.50691

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.78	
3.23	3.25	3.27	1124646	428.727192			1
3.45	3.47	3.49	1224778	444.745187			2
+ 3.45	3.48	3.49	587488.4	213.33061			2
3.56	3.58	3.60	1380911	422.434782			3
3.78	3.80	3.82	1573167	445.943093			4
3.85	3.87	3.89	1371675	455.98679			5
4.04	4.06	4.08	1058961	440.38682			6
Height Summation:			**7734138**				
Amount Avg CF:			**439.703977**	Linear:			
Aroclor-1221					3	30.30	
3.13	3.14	3.17	230065.5	160.17771			1
E 3.18	3.20	3.22	245083.2	203.528364			2
E 3.23	3.25	3.27	1124646	289.835591			3
Height Summation:			**1599794.7**				
Amount Avg CF:			**217.847221**	Linear:			
Aroclor-1232					6	28.94	
E 3.23	3.25	3.27	1124646	374.852831			1
E 3.45	3.47	3.49	1224778	959.879886			2
E+ 3.45	3.48	3.49	587488.4	460.424908			2
E 3.57	3.58	3.61	1380911	920.873141			3
E 3.79	3.80	3.83	1573167	938.596762			4
E 3.85	3.87	3.89	1371675	1030.50832			5
E 4.04	4.06	4.08	1058961	1073.146125			6
Height Summation:			**7734138**				
Amount Avg CF:			**882.976177**	Linear:			
Aroclor-1242					6	4.48	
E 3.23	3.25	3.27	1124646	525.065639			1
E 3.45	3.47	3.49	1224778	563.199455			2
E+ 3.45	3.48	3.49	587488.4	270.149486			2
E 3.57	3.58	3.61	1380911	527.221753			3
E 3.79	3.80	3.83	1573167	541.683289			4
E 3.85	3.87	3.89	1371675	585.298633			5
E 4.04	4.06	4.08	1058961	571.405079			6
Height Summation:			**7734138**				
Amount Avg CF:			**552.312308**	Linear:			
Aroclor-1248					6	68.81	
E 3.79	3.80	3.83	1573167	919.357347			1
3.85	3.87	3.89	1371675	818.105438			2
3.92	3.93	3.96	968045.9	312.380296			3
4.04	4.06	4.08	1058961	314.107335			4
4.13	4.15	4.17	1034278	377.501328			5
4.32	4.34	4.36	254478.4	88.272667			6
Height Summation:			**6260605.3**				
Amount Avg CF:			**471.620735**	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:15:34
Instrument : CP25--18274B
Result file : 25PCBS18047010B.019.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 101% (61-152) Conc.: 30.11187
%SSR(DCB) : 98% (48-164) Conc.: 26.01944

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.35	
2.98	3.00	3.02	1938007	427.717557			1
3.32	3.33	3.36	2245544	431.287399			2
+ 3.51	3.52	3.55	83144.22	15.967661			3
3.51	3.53	3.55	2402734	461.43969			3
3.59	3.61	3.63	2514552	461.376679			4
3.65	3.66	3.69	1870143	456.595991			5
+ 3.65	3.68	3.69	552868.6	134.98304			5
3.75	3.77	3.79	2010101	447.535145			6
Height Summation:			**12981081**				
Amount Avg CF:			**447.658743**	Linear:			
Aroclor-1221					3	28.37	
2.87	2.89	2.91	455899.5	164.095146			1
E 2.93	2.95	2.97	416149.6	272.778467			2
E 2.98	3.00	3.02	1938007	291.882068			3
Height Summation:			**2810056.1**				
Amount Avg CF:			**242.91856**	Linear:			
Aroclor-1232					6	31.32	
E 2.98	3.00	3.02	1938007	367.915321			1
E 3.32	3.33	3.36	2245544	929.486756			2
+ 3.52	3.52	3.56	83144.22	33.316231			3
E 3.52	3.53	3.56	2402734	962.785411			3
E 3.59	3.61	3.63	2514552	1043.035517			4
E 3.65	3.66	3.69	1870143	1185.586381			5
E+ 3.65	3.68	3.69	552868.6	350.493776			5
E 3.76	3.77	3.80	2010101	1108.315395			6
E+ 3.76	3.80	3.80	728630.8	401.747341			6
Height Summation:			**12981081**				
Amount Avg CF:			**932.85413**	Linear:			
Aroclor-1242					6	4.56	
E 2.98	3.00	3.02	1938007	520.7212			1
E 3.32	3.33	3.36	2245544	542.8274			2
+ 3.51	3.52	3.55	83144.22	19.482659			3
E 3.51	3.53	3.55	2402734	563.017446			3
E 3.59	3.61	3.63	2514552	584.754167			4
E 3.65	3.66	3.69	1870143	587.695925			5
+ 3.65	3.68	3.69	552868.6	173.739989			5
E 3.76	3.77	3.80	2010101	567.457555			6
Height Summation:			**12981081**				
Amount Avg CF:			**561.078949**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9481688** MS CAF A6302MS Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.21 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:15:34
Instrument : CP25--18274A
Result file : 25PCBS18047010.019.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	93.18	
4.45	4.47	4.49	1103930	205.804332			1
+ 4.65	4.67	4.69	145663.2	41.450083			2
4.65	4.68	4.69	222726.2	63.379216			2
4.71	4.73	4.75	737992.4	108.311332			3
E 4.84	4.86	4.88	2396310	1111.989295			4
5.13	5.15	5.17	1428371	422.159772			5
5.25	5.27	5.29	3380074	771.518769			6
+ 5.25	5.29	5.29	141911.2	32.39194			6
Height Summation:			**9269403.6**				
Amount Avg CF:			**447.193786**	Linear:			
Aroclor-1260					6	5.49	
4.84	4.86	4.88	2396310	484.087645			1
5.25	5.27	5.29	3380074	554.500053			2
5.31	5.33	5.35	1573355	497.166264			3
5.48	5.49	5.52	1697265	493.790723			4
5.71	5.73	5.75	4690642	541.534832			5
5.92	5.94	5.96	2646206	516.475317			6
Height Summation:			**16383852**				
Amount Avg CF:			**514.592472**	Linear:			
Aroclor-1262					6	43.00	
E 5.32	5.33	5.36	1573355	283.16059			1
E 5.48	5.49	5.52	1697265	344.399283			2
E 5.72	5.73	5.76	4690642	438.10288			3
E 5.92	5.94	5.96	2646206	405.512395			4
+ 5.98	5.98	6.02	117287.1	35.184922			5
5.98	5.99	6.02	236937.9	71.078929			5
E 6.35	6.37	6.39	1123822	279.464277			6
Height Summation:			**11968227.9**				
Amount Avg CF:			**303.619726**	Linear:			
Aroclor-1268					6	99.76	
5.92	5.94	5.96	2646206	189.711263			1
+ 5.98	5.98	6.02	117287.1	9.915829			2
5.98	5.99	6.02	236937.9	20.031493			2
6.11	6.12	6.15	96946.8	8.322183			3
+ 6.17	6.19	6.21	75166.72	25.098004			4
6.17	6.21	6.21	448063.2	149.607323			4
E 6.35	6.37	6.39	1123822	231.097522			5
6.55	6.57	6.59	322045.3	8.186855			6
Height Summation:			**4874021.2**				
Amount Avg CF:			**101.15944**	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:15:34
Instrument : CP25--18274B
Result file : 25PCBS18047010B.019.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	60.75	
+ 3.51	3.52	3.55	83144.22	35.364226			1
E 3.51	3.53	3.55	2402734	1021.969165			1
3.59	3.61	3.63	2514552	801.375629			2
3.62	3.64	3.66	1606477	307.965698			3
3.75	3.77	3.79	2010101	322.038372			4
3.85	3.87	3.89	1612878	384.642723			5
3.99	4.00	4.03	2191829	271.217506			6
Height Summation:			**12338571**				
Amount Avg CF:			**518.201515**	Linear:			
Aroclor-1254					6	70.09	
+ 4.37	4.38	4.41	374771.7	34.0721			1
4.37	4.40	4.41	1078162	98.020323			1
4.46	4.48	4.50	3865851	779.60675			2
E 4.60	4.62	4.64	4524456	1087.999663			3
E 4.71	4.73	4.75	3714884	960.182152			4
4.76	4.78	4.80	469333.9	94.261988			5
4.84	4.86	4.88	4772340	628.511282			6
Height Summation:			**18425026.9**				
Amount Avg CF:			**608.097026**	Linear:			
Aroclor-1260					6	4.84	
4.60	4.62	4.64	4524456	483.802233			1
4.71	4.73	4.75	3714884	479.206444			2
4.84	4.86	4.88	4772340	516.671662			3
5.07	5.09	5.11	2711820	460.825989			4
5.27	5.28	5.31	6636717	500.273601			5
5.53	5.54	5.57	4167488	454.947407			6
Height Summation:			**26527705**				
Amount Avg CF:			**482.621223**	Linear:			
Aroclor-1262					6	27.93	
E 4.88	4.89	4.92	1977386	231.849914			1
E 5.08	5.09	5.12	2711820	318.636068			2
+ 5.08	5.11	5.12	423280.3	49.735001			2
E 5.27	5.28	5.31	6636717	381.975261			3
5.49	5.50	5.53	1162197	177.216715			4
E 5.53	5.54	5.57	4167488	365.570105			5
E 5.91	5.92	5.95	1566361	253.782649			6
Height Summation:			**18221969**				
Amount Avg CF:			**288.171785**	Linear:			
Aroclor-1268					6	112.69	
5.48	5.50	5.52	1162197	56.981348			1
E 5.53	5.54	5.57	4167488	197.639924			2
5.68	5.70	5.72	128595.4	7.607646			3
5.75	5.77	5.79	113376	26.290113			4
E 5.90	5.92	5.94	1566361	217.394296			5
6.10	6.12	6.14	445254.9	7.341624			6
Height Summation:			**7583272.3**				
Amount Avg CF:			**85.542492**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9481688 MS CAF A6302MS Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10.21 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:15:34
Instrument : CP25--18274A
Result file : 25PCBS18047010.019.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Mar 02, 2018 00:15:34
Instrument : CP25--18274B
Result file : 25PCBS18047010B.019.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.951	2.9383		1.79	4	40	
Aroclor-1221			49.951	2.9383	E	10.88	3	5	
Aroclor-1232			49.951	2.9383	E	5.49	4	10	
Aroclor-1242			49.951	2.9383	E	1.57	4	30	
Aroclor-1248			49.951	2.9383	E	9.41	4	40	
Aroclor-1254			49.951	2.9383	E	30.49	4	40	
Aroclor-1260			49.951	2.9383		6.41	4	40	
Aroclor-1262			49.951	2.9383	E	5.22	4	40	
Aroclor-1268			49.951	2.9383	E	16.73	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9481688MS CAF ACA6302MS MS 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:15:34 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.013		128	45
2.036		2593	1584
2.051		10838	7429
2.067		5166	3353
2.093		4694	5378
2.15		3160	3811
2.192		309242	212091
2.222		689	266
2.232		650	561
2.262		8032	4893
2.283		5628	4357
2.314		659	302
2.326		198	4
2.34		428	345
2.374		3224	1913
2.393		1935	1280
2.452		199873	132220
2.495		3111	3083
2.517		216	40
2.536		359	157
2.553		1963	1259
2.565		321	47
2.577		1541	717
2.598		773	454
2.63		20569	16329
2.678		180	43
2.697		301	451
2.713		11952	7159
2.736		261	48
2.748		329	90
2.763		7062	4037
2.798		29082	27300
2.844		271	84
2.855		289	72
2.868		118	63
2.883		245	36
2.894		516	297
2.909		3177	1928
2.937		6868	4533
2.991	TCX	4606938	3091678
3.041		655	350
3.072		489	359
3.103		8047	5188
3.143		230066	195639
3.176		1853	744
3.201		245083	199771
3.249		1124646	771233
3.3		63490	54053
3.324		6147	2540
3.343		143537	98617
3.384		5977	3936
3.409		2711	1850
3.465		1224778	706071
3.483		587488	307298

RT A	Compound A	Height A	Area A
3.52		146580	82853
3.536		55361	24472
3.552		77433	44373
3.582		1380911	1000918
3.618		7704	3849
3.633		7375	3521
3.658		88392	60467
3.693		297021	172971
3.708		154236	75795
3.728		3254	1119
3.753		837580	429680
3.764		1504887	753709
3.803		1573167	1231463
3.865		1371675	1053707
3.905		112649	79649
3.933		968046	679974
3.96		683253	595403
3.982		181508	92913
4.035		310	97
4.06		1058961	750362
4.085		347993	233378
4.116		398383	298979
4.152		1034278	1071459
4.193		325419	265094
4.223		782	378
4.239		51837	36522
4.278		73777	60477
4.315		1075363	794665
4.335		254478	145356
4.359		283111	213611
4.428		172161	150929
4.472		1103930	1019116
4.507		50535	34004
4.548		1157	542
4.571		20160	16552
4.612		237378	244729
4.668		145663	101252
4.684		222726	146750
4.731		737992	653034
4.778		996380	1112027
4.816		269639	199791
4.856		2396310	2153160
4.899		43016	38766
4.947		384067	417828
4.98		44266	29962
5.005		395425	363252
5.059		2248604	1808587
5.077		262041	142288
5.11		513619	451990
5.151		1428371	1496103
5.194		32357	19237
5.231		275401	330280
5.267		3380074	3035363
5.289		141911	68975
5.306		37365	13618
5.33		1573355	1361457
5.373		1035551	964141
5.472		176355	175034
5.495		1697265	1422628
5.552		893523	765887
5.592		496553	445548
5.634		130104	122927
5.676		687053	654944
5.732		4690642	4836591
5.813		3429	4073
5.867		1032	1545

RT A	Compound A	Height A	Area A
5.937		2646206	2596387
5.979		117287	193996
5.99		236938	194810
6.089		1884	1237
6.124		96947	96426
6.16		208	39
6.187		75167	60987
6.209		448063	393304
6.282		3472	3173
6.304		310	185
6.32		495	579
6.365		1123822	1095934
6.411		80741	73727
6.476		308	53
6.521		554	209
6.533		306	48
6.567		322045	330012
6.614		245	75
6.639		328	82
6.65		355	220
6.675		343	55
6.713	DCB	2746077	2786559
6.782		772	426
6.83		250	55
6.841		1339	1060
6.874		3823	4010
6.915		191	25
6.935		4004	4077
6.967		777	512
6.985		239	45
6.995		297	45

LANCASTER LABORATORIES

Sample Number: 9481688MS CAF ACA6302MS MS 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:15:34 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

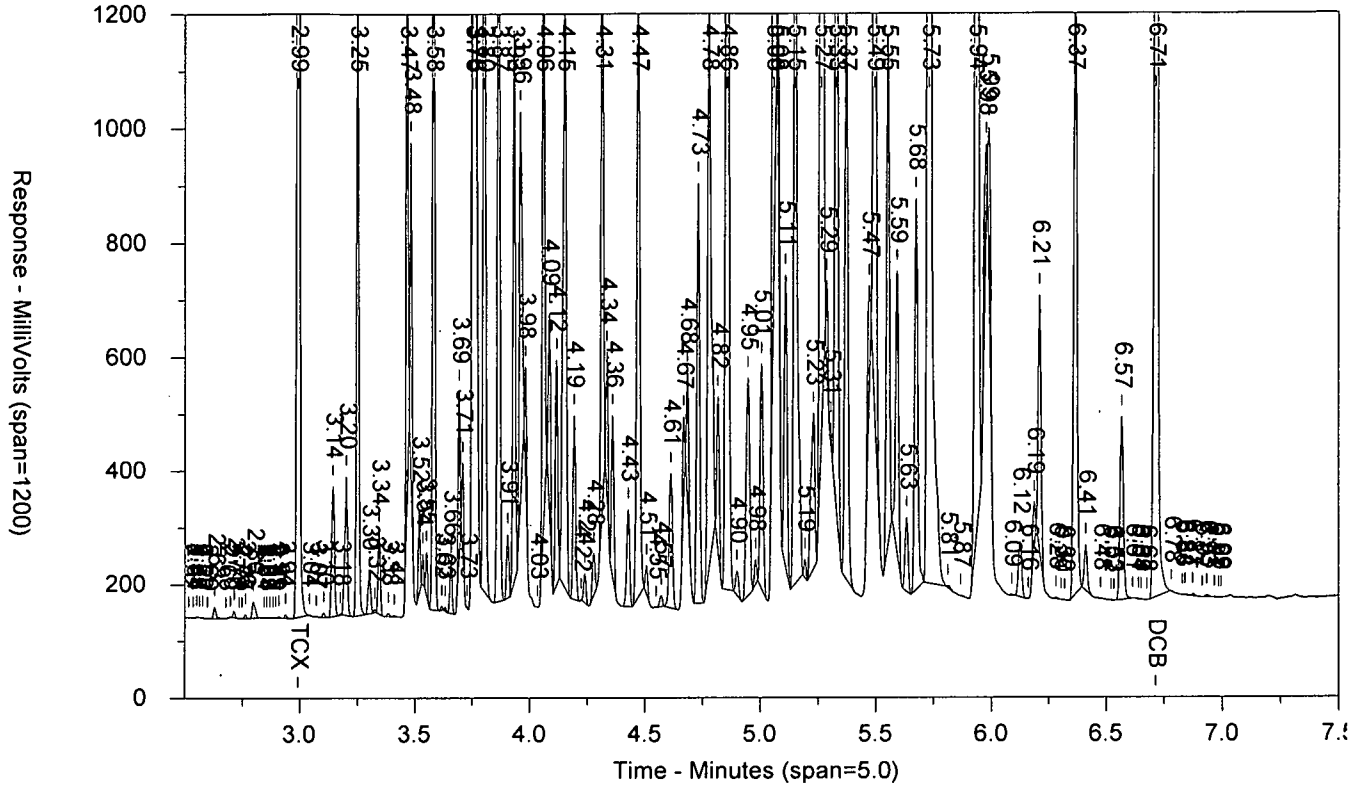
RT B	Compound B	Height B	Area B
2.011		7128	4066
2.04		5647	3745
2.075		13127	18291
2.118		2830	2404
2.139		4886	6172
2.2		343595	231373
2.269		6615	6445
2.291		3145	2377
2.317		3596	3154
2.37		4424	3475
2.391		29502	20646
2.458		25640	20446
2.483		14485	9833
2.526		52854	31487
2.552		26964	17985
2.6		2889	5435
2.629		2634	3686
2.666		7524	4558
2.686		13113	7666
2.713	TCX	8116540	5019258
2.756		171518	134275
2.835		6384	3624
2.886		455900	322567
2.948		416150	334844
3		1938007	1190528
3.026		122337	69413
3.054		20475	11294
3.093		1332	744
3.114		262135	177144
3.154		1728	983
3.173		1704	810
3.21		1676931	836656
3.222		523597	222422
3.263		288327	187288
3.285		162166	94383
3.311		189524	107063
3.335		2245544	1574479
3.372		124737	74378
3.419		567268	313570
3.435		321499	163480
3.463		3455	1335
3.486		1399685	662106
3.496		2600471	1176513
3.516		83144	32391
3.531		2402734	1621088
3.606		2514552	1595146
3.64		1606477	1014471
3.665		1870143	1063789
3.683		552869	286275
3.746		3426	1522
3.771		2010101	1384562
3.796		728631	415591
3.818		691649	438170
3.85		471649	262166

RT B	Compound B	Height B	Area B
3.868		1612878	1004310
3.911		566403	442044
3.959		130624	125263
3.982		410904	251815
4.005		2191829	1481836
4.032		439171	279955
4.052		71425	35602
4.071		252010	163475
4.108		1793456	1287886
4.144		112166	75172
4.161		164875	108449
4.225		25044	19265
4.25		244734	304059
4.294		12728	7003
4.319		514965	384638
4.365		421171	253672
4.383		374772	199613
4.396		1078162	596643
4.423		648798	703677
4.477		3865851	3052176
4.522		88184	86151
4.55		419422	288702
4.575		818657	616203
4.619		4524456	3610319
4.726		3714884	3558841
4.782		469334	417692
4.821		957053	857737
4.859		4772340	3934735
4.893		1977386	1430152
4.932		1394239	1145726
4.999		8557	9757
5.036		499077	549715
5.089		2711820	2159164
5.113		423280	280414
5.163		1373064	1264707
5.199		681928	554139
5.228		504041	424639
5.261		216437	129273
5.282		6636717	5352750
5.324		130855	100528
5.357		267870	229526
5.474		65067	41558
5.497		1162197	974862
5.542		4167489	4563396
5.641		5963	8035
5.698		128595	117075
5.741		125965	96034
5.765		113376	87126
5.814		700584	626743
5.87		3440	2909
5.919		1566361	1359935
5.951		96799	75349
6.045		6648	7253
6.119		445255	394514
6.215		3468	4745
6.278	DCB	3821445	3581143
6.488		41044	45788
6.548		16560	19015
6.595		15724	16179
6.651		1550	1403
6.679		1510	942
6.704		10575	13670
6.754		7276	11683
6.791		1563	1166
6.906		1233	1961
6.916		1899	2092

RT B	Compound B	Height B	Area B
6.973		5096	4548

9481688MS CAF ACA6302MS MS 180590045A 10225 SW-846 80

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs18047010.019.RAW



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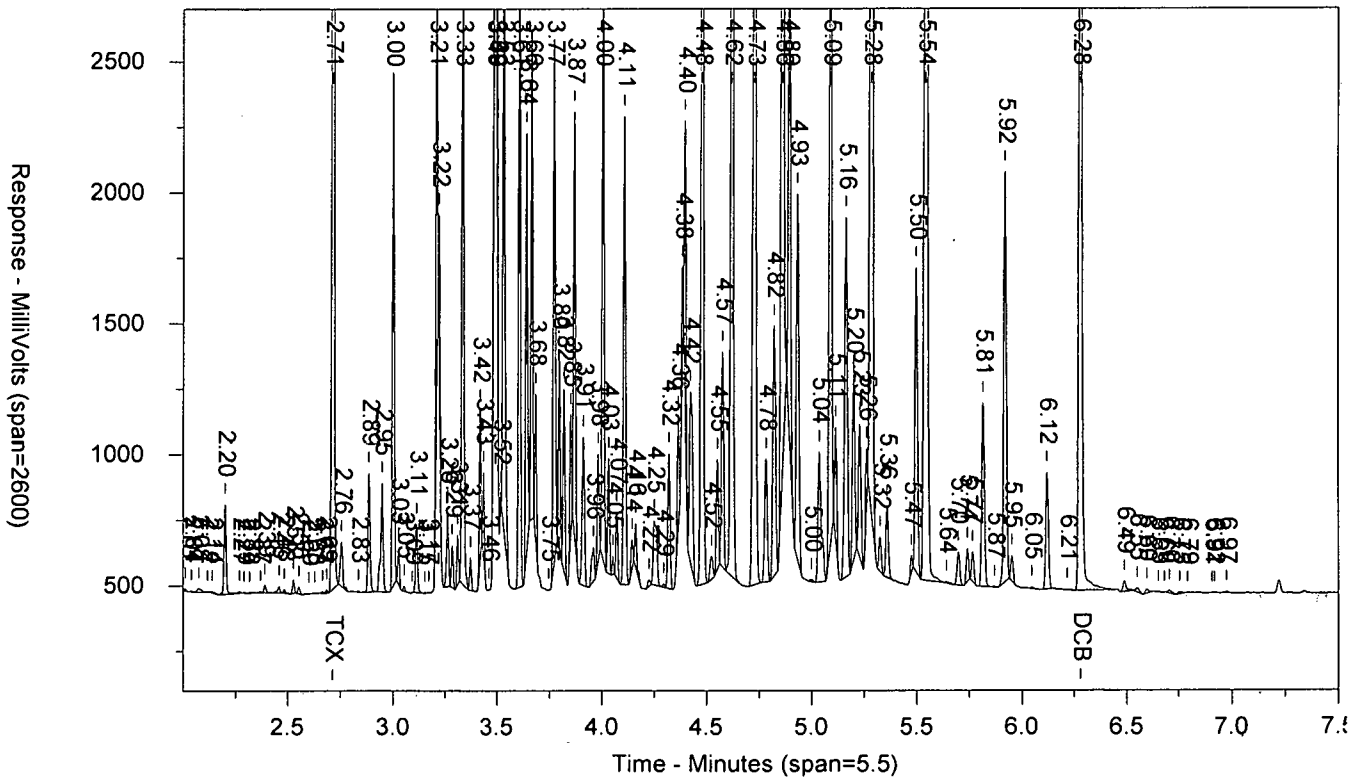

LANCASTER LABORATORIES

Sample Number: 9481688MS CAF ACA6302MS MS 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:15:34 AM Sample Weight: 10.21
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.991	4606938	29.333	TCX	2.713	8116540	30.112	TCX
6.713	2746077	28.507	DCB	6.278	3821445	26.019	DCB

Files:
Area File: 25PCBs18047010.019.RAW
Area File: 25PCBs18047010B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 12:24:02 AM
File Reported On: 3/2/2018 at 9:03:57 AM

9481688MS CAF ACA6302MS MS 180590045A 10225 SW-846 80

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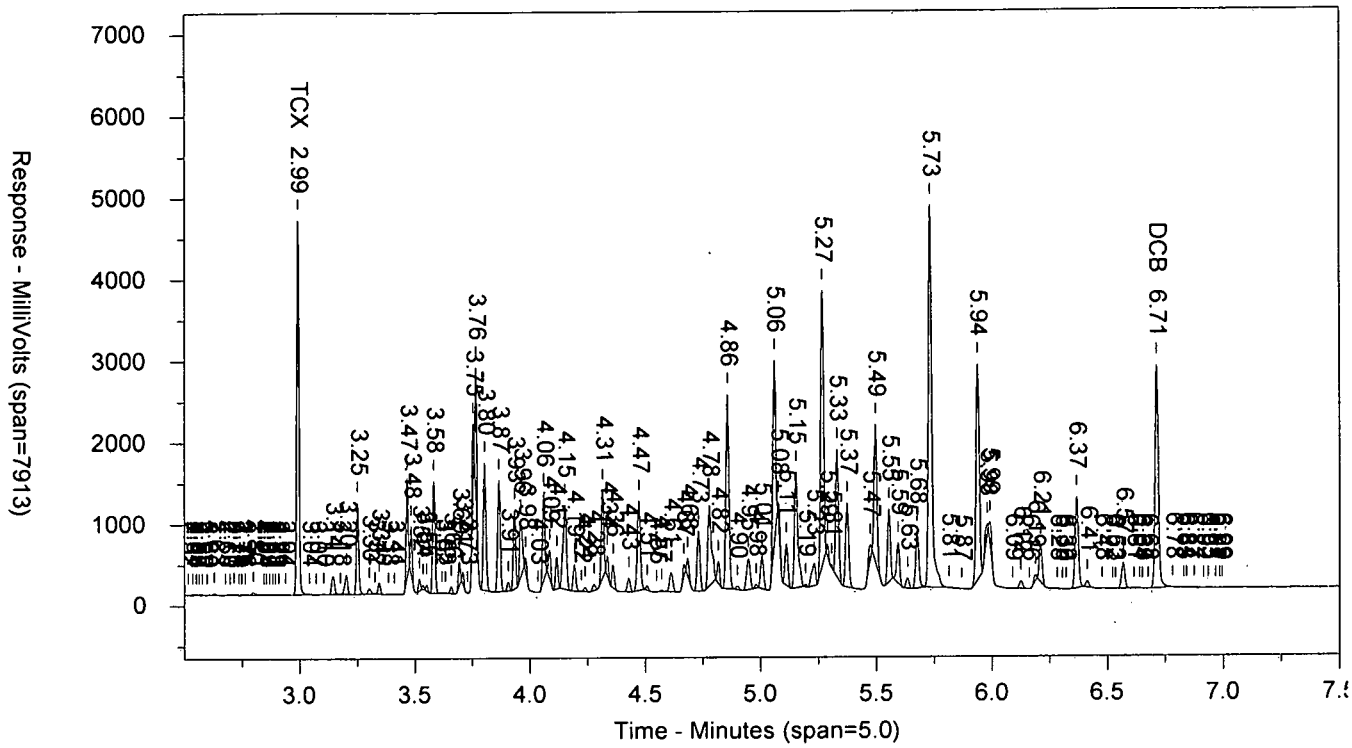

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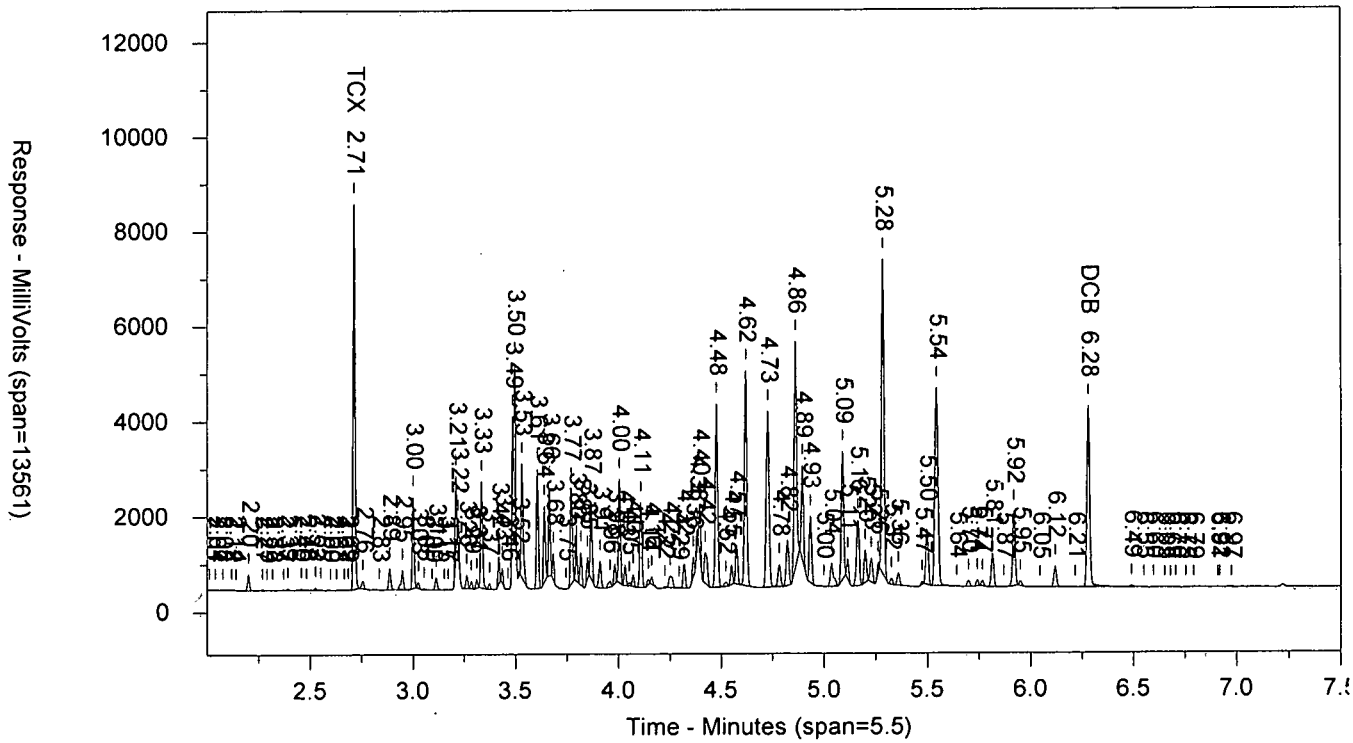

9481688MS CAF ACA6302MS MS 180590045A 10225 SW-846 80

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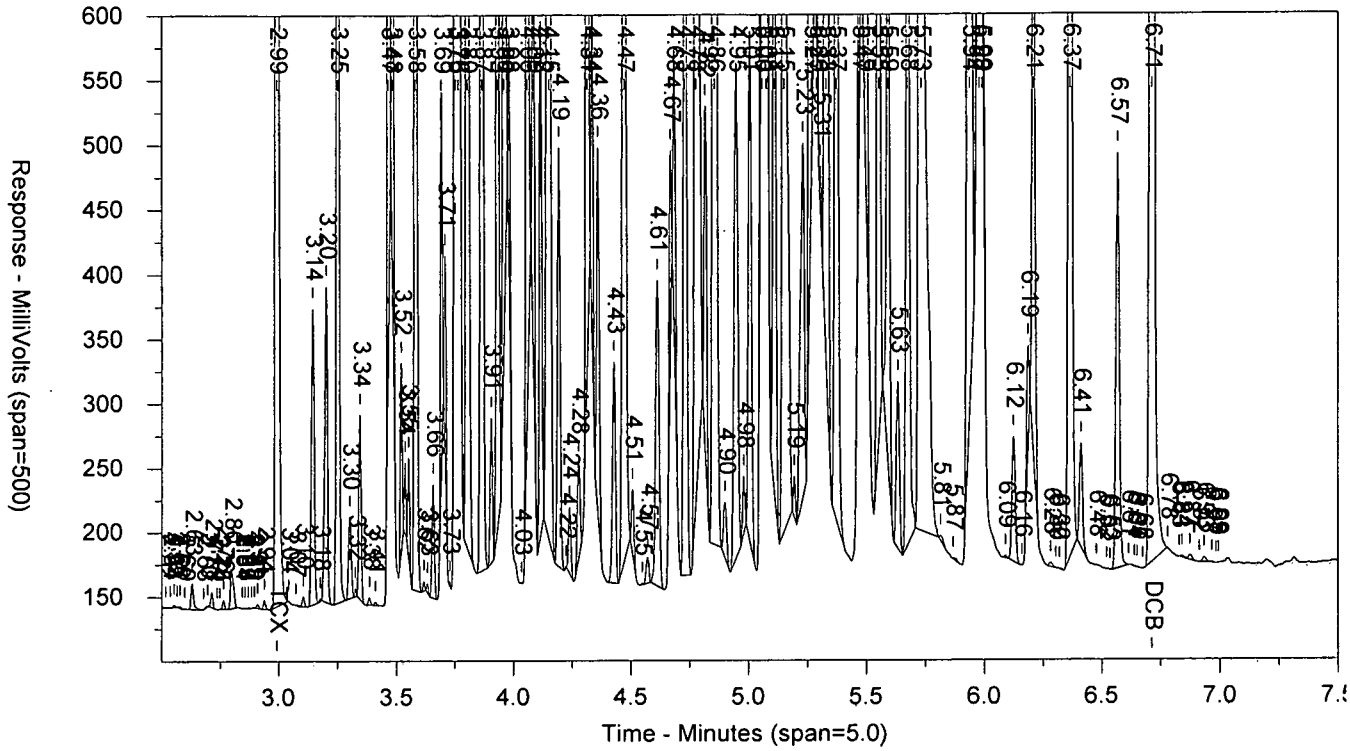

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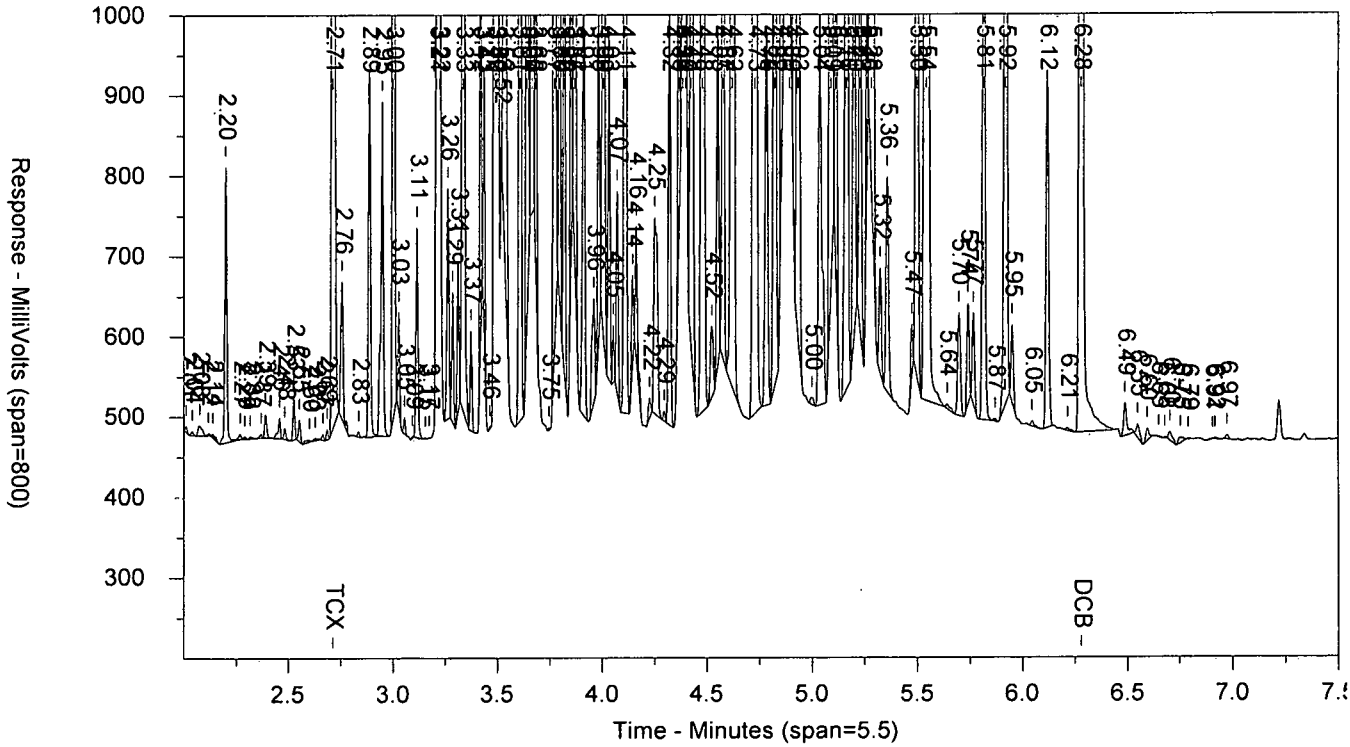

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Data Summary

Sample Name: 9481688 MSD CAF A6302MSD MSD Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on Mar 02, 2018 00:26:51
Instrument 18274A
Result file 25PCBS18047010.020.RAW
Calibration file 25PCBS1804701
Method file 25PCBS

%SSR(TCX) 96% (61 - 152) Conc: 29.18151
%SSR(DCB) 99% (48 - 164) Conc: 26.92234

Analysis Report (B)

Injected on Mar 02, 2018 00:26:51
Instrument 18274B
Result file 25PCBS18047010B.020.RAW
Calibration file 25PCBS1804701B
Method file 25PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 30.0895
%SSR(DCB) 96% (48 - 164) Conc: 26.10757

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.96	2.99	3.02	4488901	29.18151
Decachlorobiphenyl	6.69	6.72	6.75	2540093	26.92234

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.69	2.71	2.74	7943692	30.0895
Decachlorobiphenyl	6.25	6.28	6.31	3755522	26.10757

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	30.0895				3.06	
☐ Tetrachloro-m-xylene-D1	A	29.18151					
☐ Tetrachloro-m-xylene-D2	B	30.0895					
☐ Decachlorobiphenyl	A	26.92234				3.07	
☐ Decachlorobiphenyl-D1	A	26.92234					
☐ Decachlorobiphenyl-D2	B	26.10757					

Multiple Component Data

Aroclor-1016 %RSD 3.49

Min	RT	Max	Height	Amount	Pks	Peak
3.23	3.25	3.27	1037068	403.643686		1
3.45	3.47	3.49	1131419	419.472109		2
3.56	3.58	3.60	1309583	409.027729		3
3.78	3.80	3.82	1505908	435.841716		4
3.85	3.87	3.89	1298658	440.77969		5
4.04	4.06	4.08	1007561	427.810498		6

Height summation: **7290197**
Concentration CF: **422.762571** L:

Aroclor-1016 %RSD 3.79

Min	RT	Max	Height	Amount	Pks	Peak
2.98	3.00	3.02	1827476	411.79319		1
3.32	3.33	3.36	2174246	426.363111		2
3.51	3.53	3.55	2276266	446.331981		3
3.59	3.61	3.63	2414705	452.360672		4
3.65	3.66	3.69	1772505	441.845554		5
3.75	3.77	3.79	1999355	454.490617		6

Height summation: **12464553**
Concentration CF: **438.864188** L:

Aroclor-1260 %RSD 8.40

Min	RT	Max	Height	Amount	Pks	Peak
4.84	4.86	4.88	2284070	471.103304		1
5.25	5.27	5.29	3301396	552.966405		2
5.31	5.33	5.35	1460024	471.043118		3
5.48	5.49	5.52	1530231	454.544083		4
5.71	5.73	5.75	4617775	544.317903		5
5.92	5.94	5.96	2613350	520.773937		6

Height summation: **15806846**
Concentration CF: **502.458125** L:

Aroclor-1260 %RSD 3.97

Min	RT	Max	Height	Amount	Pks	Peak
4.60	4.62	4.64	4451065	485.949542		1
4.71	4.73	4.75	3630678	478.179406		2
4.84	4.86	4.88	4619753	510.655206		3
5.07	5.09	5.11	2643346	458.623031		4
5.27	5.28	5.31	6413172	493.574731		5
5.53	5.54	5.57	4169407	464.715192		6

Height summation: **25927421**
Concentration CF: **481.949518** L:

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:23

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Data Summary

Sample Name: 9481688 MSD CAF A6302MSD MSD Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Mar 02, 2018 00:26:51
Instrument	18274A
Result file	25PCBS18047010.020.RAW
Calibration file	25PCBS1804701
Method file	25PCBS

Analysis Report (B)

Injected on	Mar 02, 2018 00:26:51
Instrument	18274B
Result file	25PCBS18047010B.020.RAW
Calibration file	25PCBS1804701B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	438.864188	51	3		3.74	4	
☐ PCB-1221			<51	<3			3	
☐ PCB-1232			<51	<3			4	
☐ PCB-1242			<51	<3			4	
☐ PCB-1248			<51	<3			4	
☐ PCB-1254			<51	<3			4	
☐ PCB-1260	A	502.458125	51	3		4.17	4	
☐ PCB-1262			<51	<3			4	
☐ PCB-1268			<51	<3			4	
☐ Total PCBs	A	941.322313	51	3				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

MAR 0 2 2018

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:23

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9481688** MSD CAF A6302MSD Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:26:51
Instrument : CP25--18274A
Result file : 25PCBS18047010.020.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 96% (61-152) Conc.: 29.18151
%SSR(DCB) : 99% (48-164) Conc.: 26.92234

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.49	
3.23	3.25	3.27	1037068	403.643686			1
3.45	3.47	3.49	1131419	419.472109			2
+ 3.45	3.48	3.49	543132.7	201.365736			2
3.56	3.58	3.60	1309583	409.027729			3
3.78	3.80	3.82	1505908	435.841716			4
3.85	3.87	3.89	1298658	440.77969			5
4.04	4.06	4.08	1007561	427.810498			6
Height Summation:			7290197				
Amount Avg CF:			422.762571	Linear:			
Aroclor-1221					3	33.53	
3.13	3.14	3.17	193401.6	137.479007			1
3.18	3.20	3.22	232220.6	196.896449			2
E 3.23	3.25	3.27	1037068	272.878204			3
Height Summation:			1462690.2				
Amount Avg CF:			202.417887	Linear:			
Aroclor-1232					6	29.49	
E 3.23	3.25	3.27	1037068	352.921347			1
E 3.45	3.47	3.49	1131419	905.333778			2
E+ 3.45	3.48	3.49	543132.7	434.601486			2
E 3.57	3.58	3.61	1309583	891.646867			3
E 3.79	3.80	3.83	1505908	917.335935			4
E 3.85	3.87	3.89	1298658	996.141002			5
E 4.04	4.06	4.08	1007561	1042.499815			6
Height Summation:			7290197				
Amount Avg CF:			850.979791	Linear:			
Aroclor-1242					6	5.02	
E 3.23	3.25	3.27	1037068	494.345667			1
E 3.45	3.47	3.49	1131419	531.195098			2
E+ 3.45	3.48	3.49	543132.7	254.997864			2
E 3.57	3.58	3.61	1309583	510.489017			3
E 3.79	3.80	3.83	1505908	529.413233			4
E 3.85	3.87	3.89	1298658	565.779001			5
E 4.04	4.06	4.08	1007561	555.087211			6
Height Summation:			7290197				
Amount Avg CF:			531.051538	Linear:			
Aroclor-1248					6	68.28	
E 3.79	3.80	3.83	1505908	898.532325			1
3.85	3.87	3.89	1298658	790.821729			2
3.92	3.93	3.96	910756.3	300.065184			3
4.04	4.06	4.08	1007561	305.137233			4
4.13	4.15	4.17	992482.6	369.853592			5
4.32	4.34	4.36	267349.4	94.684803			6
Height Summation:			5982715.3				
Amount Avg CF:			459.849144	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:26:51
Instrument : CP25--18274B
Result file : 25PCBS18047010B.020.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 98% (61-152) Conc.: 30.0895
%SSR(DCB) : 96% (48-164) Conc.: 26.10757

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.79	
2.98	3.00	3.02	1827476	411.79319			1
3.32	3.33	3.36	2174246	426.363111			2
+ 3.51	3.52	3.55	79241.44	15.537722			3
3.51	3.53	3.55	2276266	446.331981			3
3.59	3.61	3.63	2414705	452.360672			4
3.65	3.66	3.69	1772505	441.845554			5
+ 3.65	3.68	3.69	559323.8	139.426819			5
3.75	3.77	3.79	1999355	454.490617			6
Height Summation:			12464553				
Amount Avg CF:			438.864188	Linear:			
Aroclor-1221					3	33.25	
2.87	2.89	2.91	379261.3	139.376929			1
+ 2.93	2.94	2.97	30333.98	20.300921			2
E 2.93	2.95	2.97	330627.4	221.27135			2
E 2.98	3.00	3.02	1827476	281.014997			3
Height Summation:			2537364.7				
Amount Avg CF:			213.887758	Linear:			
Aroclor-1232					6	31.79	
E 2.98	3.00	3.02	1827476	354.217453			1
E 3.32	3.33	3.36	2174246	918.874202			2
+ 3.52	3.52	3.56	79241.44	32.419171			3
E 3.52	3.53	3.56	2276266	931.263455			3
E 3.59	3.61	3.63	2414705	1022.653006			4
E 3.65	3.66	3.69	1772505	1147.285743			5
E+ 3.65	3.68	3.69	559323.8	362.03239			5
E 3.76	3.77	3.80	1999355	1125.540538			6
E+ 3.76	3.80	3.80	703015.1	395.763631			6
Height Summation:			12464553				
Amount Avg CF:			916.639066	Linear:			
Aroclor-1242					6	5.24	
E 2.98	3.00	3.02	1827476	501.334211			1
E 3.32	3.33	3.36	2174246	536.629587			2
+ 3.51	3.52	3.55	79241.44	18.958076			3
E 3.51	3.53	3.55	2276266	544.584044			3
E 3.59	3.61	3.63	2414705	573.327176			4
E 3.65	3.66	3.69	1772505	568.710275			5
+ 3.65	3.68	3.69	559323.8	179.459687			5
E 3.76	3.77	3.80	1999355	576.276829			6
Height Summation:			12464553				
Amount Avg CF:			550.143687	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9481688** MSD CAF A6302MSD Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:26:51
Instrument : CP25--18274A
Result file : 25PCBS18047010.020.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	92.89	
4.45	4.47	4.49	1057263	201.243449			1
+ 4.65	4.67	4.69	149565.7	43.454355			2
4.65	4.68	4.69	239941.7	69.711918			2
4.71	4.73	4.75	698043.4	104.599636			3
E 4.84	4.86	4.88	2284070	1082.163192			4
5.13	5.15	5.17	1334809	402.791865			5
5.25	5.27	5.29	3301396	769.384885			6
Height Summation:			8915523.1				
Amount Avg CF:			438.315824	Linear:			
Aroclor-1260					6	8.40	
4.84	4.86	4.88	2284070	471.103304			1
5.25	5.27	5.29	3301396	552.966405			2
5.31	5.33	5.35	1460024	471.043118			3
5.48	5.49	5.52	1530231	454.544083			4
5.71	5.73	5.75	4617775	544.317903			5
5.92	5.94	5.96	2613350	520.773937			6
Height Summation:			15806846				
Amount Avg CF:			502.458125	Linear:			
Aroclor-1262					6	41.44	
E 5.32	5.33	5.36	1460024	268.282176			1
E 5.48	5.49	5.52	1530231	317.026321			2
E 5.72	5.73	5.76	4617775	440.354391			3
E 5.92	5.94	5.96	2613350	408.887471			4
+ 5.98	5.98	6.02	150205.5	46.006365			5
5.98	5.99	6.02	304404.9	93.236019			5
E 6.35	6.37	6.39	1048210	266.135502			6
Height Summation:			11573994.9				
Amount Avg CF:			298.98698	Linear:			
Aroclor-1268					6	97.41	
5.92	5.94	5.96	2613350	191.290228			1
+ 5.98	5.98	6.02	150205.5	12.965532			2
5.98	5.99	6.02	304404.9	26.275813			2
6.11	6.13	6.15	96576.12	8.46446			3
+ 6.17	6.19	6.21	83596.39	28.498818			4
6.17	6.21	6.21	412715.8	140.698807			4
E 6.35	6.37	6.39	1048210	220.075552			5
6.55	6.57	6.59	315114.4	8.178886			6
Height Summation:			4790371.22				
Amount Avg CF:			99.163958	Linear:			

Analysis Report (B)

Injected on : Mar 02, 2018 00:26:51
Instrument : CP25--18274B
Result file : 25PCBS18047010B.020.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	58.95	
+ 3.51	3.52	3.55	79241.44	34.412023			1
E 3.51	3.53	3.55	2276266	988.50951			1
3.59	3.61	3.63	2414705	785.715522			2
3.62	3.64	3.66	1581466	309.537618			3
3.75	3.77	3.79	1999355	327.043407			4
3.85	3.87	3.89	1577648	384.142055			5
3.99	4.00	4.03	2123276	268.252169			6
Height Summation:			11972716				
Amount Avg CF:			510.53338	Linear:			
Aroclor-1254					6	70.90	
+ 4.37	4.38	4.41	420001.7	38.98602			1
4.37	4.40	4.41	980718.2	91.033677			1
4.46	4.48	4.50	3783642	779.051663			2
E 4.60	4.62	4.64	4451065	1092.828645			3
E 4.71	4.73	4.75	3630678	958.124283			4
4.76	4.78	4.80	444098.1	91.066643			5
4.84	4.86	4.88	4619753	621.192493			6
Height Summation:			17909954.3				
Amount Avg CF:			605.549568	Linear:			
Aroclor-1260					6	3.97	
4.60	4.62	4.64	4451065	485.949542			1
4.71	4.73	4.75	3630678	478.179406			2
4.84	4.86	4.88	4619753	510.655206			3
5.07	5.09	5.11	2643346	458.623031			4
5.27	5.28	5.31	6413172	493.574731			5
5.53	5.54	5.57	4169407	464.715192			6
Height Summation:			25927421				
Amount Avg CF:			481.949518	Linear:			
Aroclor-1262					6	28.11	
E 4.88	4.89	4.92	1990151	238.246898			1
E 5.08	5.09	5.12	2643346	317.112842			2
+ 5.08	5.11	5.12	394863	47.370313			2
E 5.27	5.28	5.31	6413172	376.860454			3
5.49	5.50	5.53	1131612	176.176597			4
E 5.53	5.54	5.57	4169407	373.418946			5
E 5.91	5.92	5.95	1488276	246.195033			6
Height Summation:			17835964				
Amount Avg CF:			288.001795	Linear:			
Aroclor-1268					6	112.60	
5.48	5.50	5.52	1131612	56.646914			1
E 5.53	5.54	5.57	4169407	201.88328			2
5.68	5.70	5.72	124145.4	7.498618			3
5.75	5.77	5.79	110724.2	26.214381			4
E 5.90	5.92	5.94	1488276	210.894622			5
6.10	6.12	6.14	421778.1	7.10057			6
Height Summation:			7445942.7				
Amount Avg CF:			85.039731	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9481688** MSD CAF A6302MSD Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: ATH63 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Mar 02, 2018 00:26:51
Instrument : CP25--18274A
Result file : 25PCBS18047010.020.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Mar 02, 2018 00:26:51
Instrument : CP25--18274B
Result file : 25PCBS18047010B.020.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	3		3.74	4	40	
Aroclor-1221			51	3	E	5.51	3	5	
Aroclor-1232			51	3	E	7.43	4	10	
Aroclor-1242			51	3	E	3.53	4	30	
Aroclor-1248			51	3	E	10.45	4	40	
Aroclor-1254			51	3	E	32.04	4	40	
Aroclor-1260			51	3		4.17	4	40	
Aroclor-1262			51	3	E	3.74	4	40	
Aroclor-1268			51	3	E	15.34	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9481688MSD CAF ACA6302MSD MSD 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:26:51 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.012		437	247
2.036		6089	4572
2.051		7477	6189
2.096		4011	4981
2.149		3123	3689
2.192		208115	145327
2.223		1005	1012
2.262		6247	3759
2.283		5309	5169
2.329		344	47
2.336		365	74
2.343		209	101
2.375		2919	1856
2.393		1900	1169
2.414		246	60
2.434		556	444
2.452		107903	68009
2.491		4519	3988
2.513		313	226
2.535		295	46
2.553		1604	1209
2.577		1966	1189
2.593		285	81
2.603		510	158
2.613		305	122
2.629		17137	12295
2.662		473	117
2.668		285	72
2.678		266	92
2.694		376	269
2.7		229	37
2.713		9205	5578
2.763		6294	4154
2.797		23375	15429
2.826		1017	906
2.853		530	256
2.867		612	371
2.879		217	29
2.894		2299	1339
2.908		1732	792
2.937		4509	2789
2.957		337	46
2.967		71	28
2.992	TCX	4488901	2951788
3.042		1116	714
3.058		300	103
3.076		791	409
3.103		4684	2985
3.143		193402	169328
3.176		1451	520
3.201		232221	192858
3.249		1037068	732296
3.302		40114	35959
3.324		5706	2511

RT A	Compound A	Height A	Area A
3.343		145514	94010
3.383		4691	3106
3.411		1395	1424
3.441		144	34
3.465		1131419	672391
3.482		543133	293065
3.52		137481	80821
3.536		48021	20830
3.552		82725	46694
3.583		1309583	951079
3.618		7450	3589
3.633		5695	2859
3.658		66157	45102
3.693		283931	164870
3.708		152994	76136
3.728		1343	347
3.753		698259	392593
3.765		1522999	757283
3.803		1505909	1178314
3.865		1298658	1020880
3.906		105719	73832
3.933		910756	654580
3.96		667934	562861
3.982		189825	98201
4.032		177	40
4.06		1007561	740355
4.085		358095	231469
4.116		401095	288079
4.152		992483	1029808
4.193		324893	258541
4.24		48806	38506
4.279		67695	56838
4.315		1018132	766366
4.336		267349	148660
4.359		279756	207577
4.429		170228	146339
4.472		1057263	979211
4.507		43447	30021
4.548		1317	696
4.572		15922	12499
4.613		170690	177358
4.669		149566	96953
4.685		239942	154728
4.731		698043	634005
4.778		968725	1086611
4.816		250961	187885
4.856		2284070	2091064
4.9		29071	27006
4.947		378030	405503
4.98		35175	23567
5.006		411119	363591
5.059		2174355	1730994
5.077		266648	144393
5.111		491017	442452
5.152		1334809	1459110
5.195		32545	18365
5.232		267046	319885
5.268		3301396	2971195
5.29		136090	69866
5.307		30918	10244
5.33		1460025	1323880
5.374		977096	938866
5.472		178376	165162
5.495		1530231	1394355
5.553		864424	757089
5.593		476821	436429

RT A	Compound A	Height A	Area A
5.634		121793	117511
5.677		673012	646693
5.734		4617775	4742653
5.819		1388	1458
5.939		2613350	2542321
5.98		150206	204287
5.993		304405	209975
6.08		470	79
6.088		1219	681
6.126		96576	93865
6.188		83596	66671
6.212		412716	381198
6.28		1212	1452
6.305		274	31
6.311		375	235
6.331		518	178
6.368		1048210	1063756
6.413		75366	68301
6.483		485	146
6.493		428	149
6.517		233	29
6.524		372	251
6.569		315114	321122
6.621		443	159
6.639		775	580
6.661		552	193
6.673		194	24
6.678		210	36
6.717	DCB	2540093	2711984
6.786		1195	1680
6.838		483	562
6.872		204	31
6.879		1609	1094
6.917		159	19
6.928		194	29
6.94		1859	1411
6.974		2338	2025

LANCASTER LABORATORIES

Sample Number: 9481688MSD CAF ACA6302MSD MSD 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:26:51 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.011		5570	3115
2.039		4588	3385
2.074		14089	21833
2.121		10204	27330
2.2		192726	141614
2.269		8484	11995
2.294		3110	2238
2.316		3905	2056
2.352		2648	5707
2.391		25225	21556
2.457		21574	15089
2.483		15851	15822
2.526		36569	20966
2.579		3263	2302
2.631		4986	7528
2.664		8917	6586
2.686		11605	7127
2.713	TCX	7943693	4791804
2.756		158716	123801
2.809		5188	12516
2.862		1744	815
2.885		379261	268640
2.935		30334	14035
2.947		330627	184684
3		1827476	1135385
3.026		83710	47020
3.053		21131	14145
3.092		3274	1234
3.113		251916	172279
3.153		2271	1038
3.174		3752	2430
3.21		1546256	778481
3.221		567805	222684
3.262		276748	181571
3.285		139108	80848
3.311		188028	107042
3.335		2174247	1507306
3.372		97329	57295
3.393		781	219
3.418		570003	310953
3.435		325809	161630
3.463		4257	1852
3.485		1456530	627120
3.496		2721209	1192823
3.516		79241	29185
3.53		2276266	1560749
3.606		2414705	1547731
3.64		1581466	963834
3.665		1772505	998642
3.683		559324	288330
3.723		5195	5077
3.747		6300	3294
3.771		1999355	1344601
3.795		703015	407188

RT B	Compound B	Height B	Area B
3.817		678036	425812
3.85		442847	246065
3.868		1577648	998352
3.911		545896	423550
3.96		98139	93916
3.982		396351	243577
4.005		2123276	1427154
4.032		433560	276705
4.052		68368	34306
4.071		243176	160712
4.108		1745274	1247502
4.144		100805	66103
4.161		144174	99880
4.225		23551	18793
4.259		176715	216111
4.295		4946	2385
4.32		493869	369116
4.364		420590	251947
4.383		420002	217764
4.396		980718	572267
4.424		628154	680773
4.477		3783642	2951214
4.524		72955	70998
4.55		402588	279620
4.575		824461	611791
4.619		4451065	3546102
4.727		3630678	3456664
4.783		444098	397086
4.822		926453	837080
4.859		4619753	3886488
4.893		1990151	1414050
4.932		1403565	1130517
4.995		6736	7810
5.037		476860	534502
5.089		2643346	2098634
5.114		394863	274076
5.164		1390220	1237637
5.2		677494	540812
5.228		488795	411855
5.261		192678	120588
5.282		6413172	5254658
5.325		130257	98746
5.358		256544	215416
5.475		60774	39628
5.498		1131612	956613
5.543		4169407	4475362
5.698		124145	109335
5.742		122004	93278
5.766		110724	84408
5.816		676146	609292
5.868		3017	2497
5.921		1488276	1308805
5.952		95045	72089
6.015		2244	2215
6.043		3018	3517
6.12		421778	389067
6.213		1862	1177
6.28	DCB	3755523	3478278
6.456		3611	2149
6.491		22825	21297
6.522		7659	5615
6.551		7952	8971
6.598		10418	14729
6.651		1525	1152
6.683		1057	475
6.709		8024	12449

RT B	Compound B	Height B	Area B
6.787		7005	25639
6.851		1828	3358
6.965		2707	4181

9481688MSD CAF ACA6302MSD MSD 180590045A 10225 SW-846

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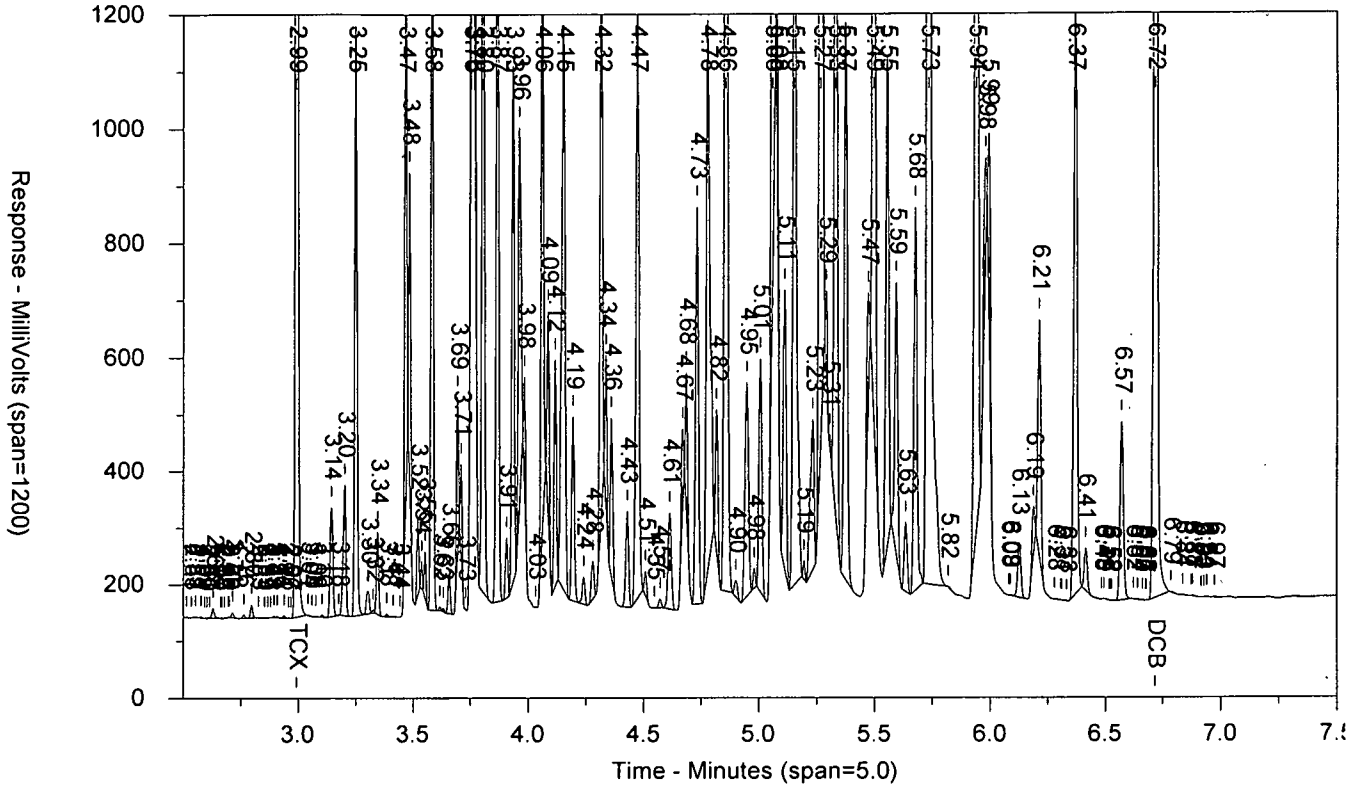

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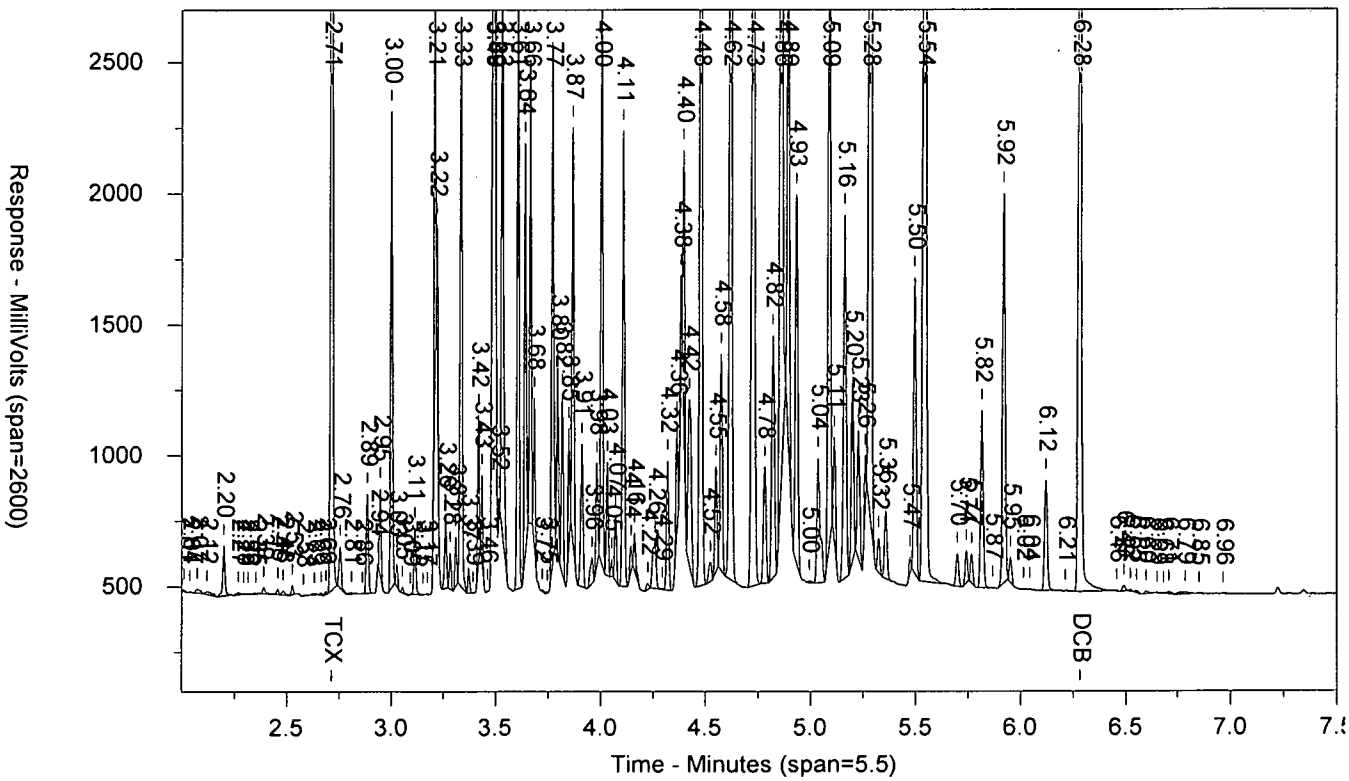

LANCASTER LABORATORIES

Sample Number: 9481688MSD CAF ACA6302MSD MSD 180590045A 10225 SW-846 8082
Injected On: 3/2/2018 12:26:51 AM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	4488901	29.182	TCX	2.713	7943693	30.09	TCX
6.717	2540093	26.922	DCB	6.28	3755523	26.108	DCB

Files:
Area File: 25PCBs18047010.020.RAW
Area File: 25PCBs18047010B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/2/2018 12:35:21 AM
File Reported On: 3/2/2018 at 9:04:17 AM

9481688MSD CAF ACA6302MSD MSD 180590045A 10225 **SW-846**

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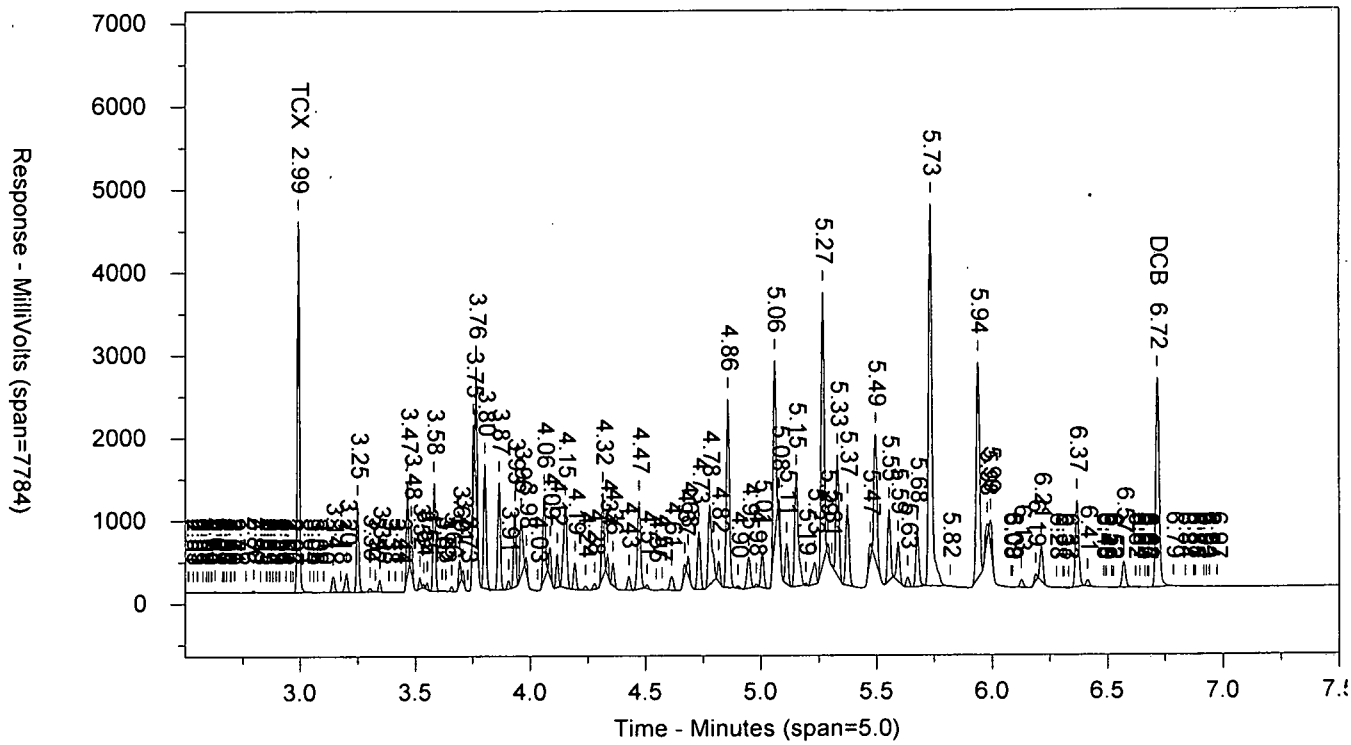

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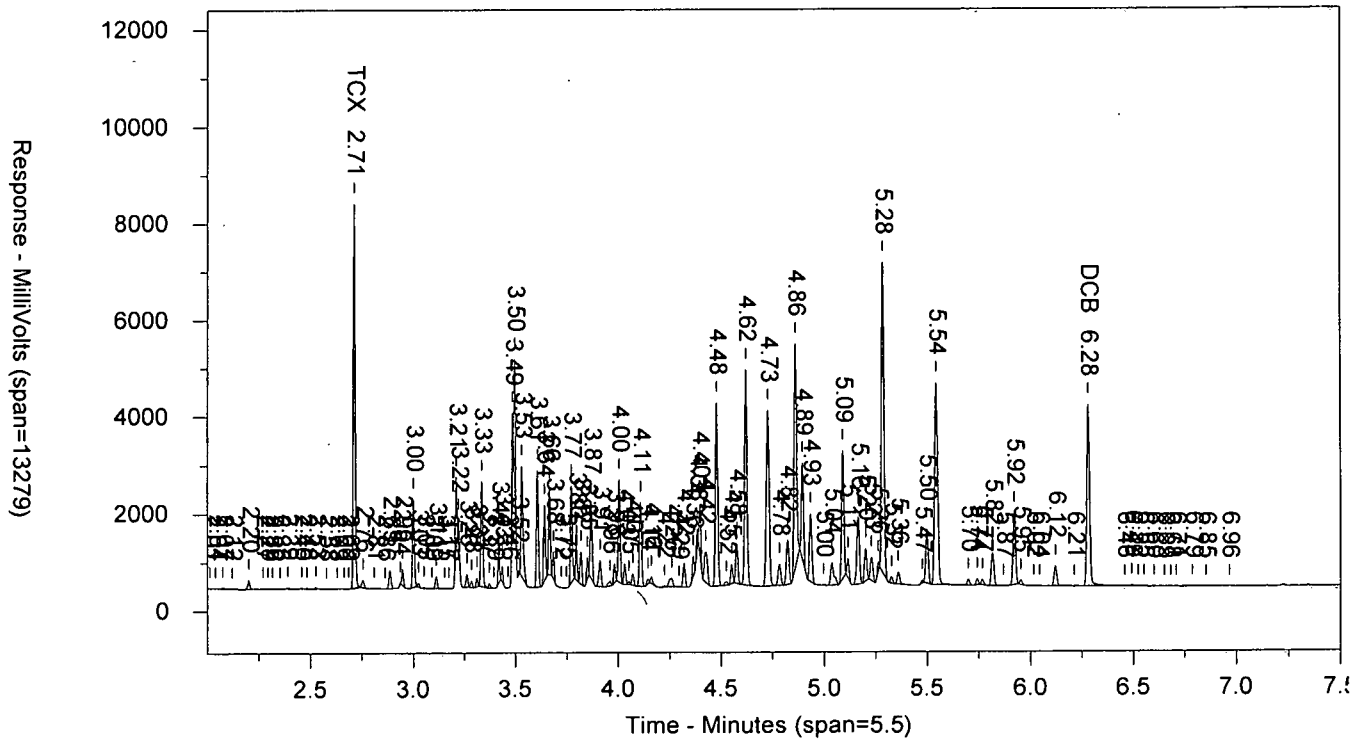

9481688MSD CAF ACA6302MSD MSD 180590045A 10225 **SW-846**

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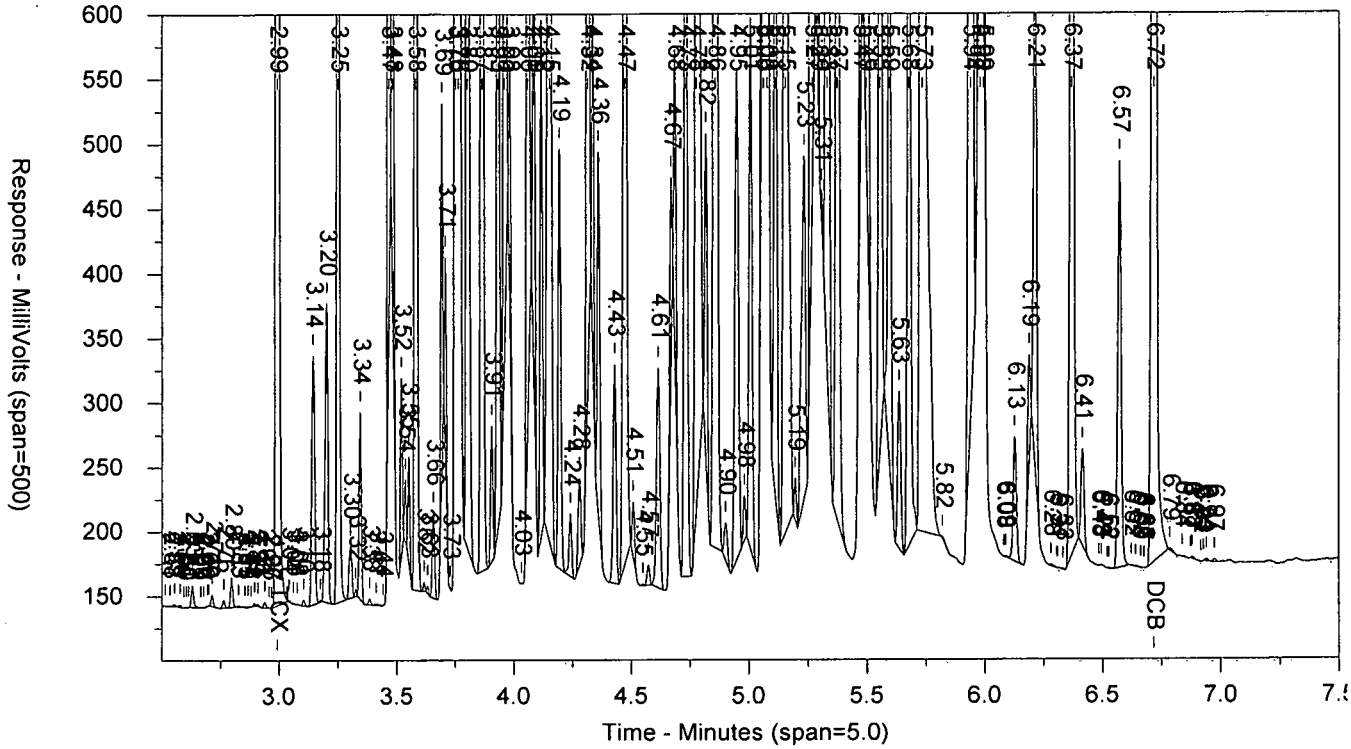

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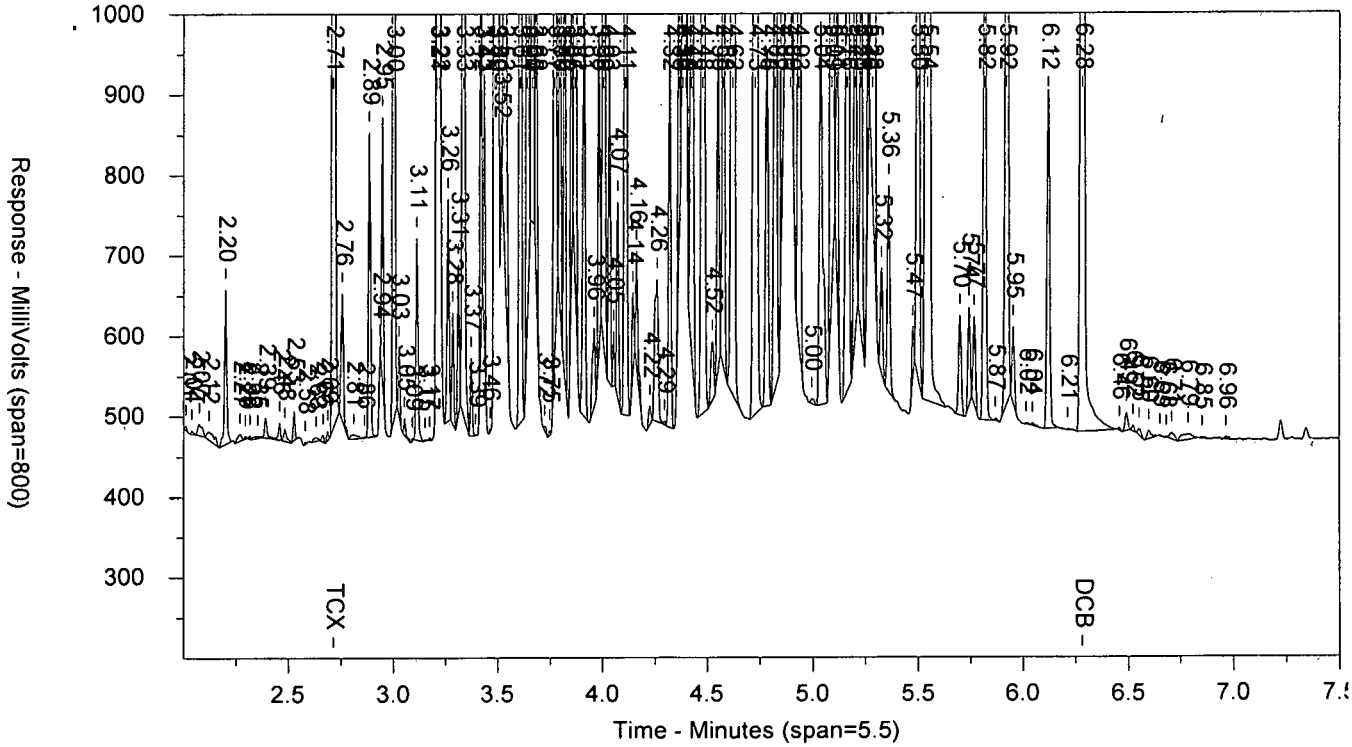

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Data Summary

Sample Name: LCSA 3/1/18 CAF LCS45059 LCS Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Mar 01, 2018 23:19:03
Instrument	18274A
Result file	25PCBS18047010.014.RAW
Calibration file	25PCBS1804701
Method file	25PCBS

%SSR(TCX) 105% (61 - 152) Conc: 31.9526
%SSR(DCB) 106% (48 - 164) Conc: 28.8416

Analysis Report (B)

Injected on	Mar 01, 2018 23:19:03
Instrument	18274B
Result file	25PCBS18047010B.014.RAW
Calibration file	25PCBS1804701B
Method file	25PCBSB

%SSR(TCX) 107% (61 - 152) Conc: 32.76534
%SSR(DCB) 103% (48 - 164) Conc: 27.98677

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.96	2.99	3.02	4915168	31.9526	Tetrachloro-m-xylene	2.69	2.71	2.74	8650119	32.76534
Decachlorobiphenyl	6.69	6.72	6.75	2721173	28.8416	Decachlorobiphenyl	6.25	6.28	6.31	4025842	27.98677

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	32.76534				2.51	
☐ Tetrachloro-m-xylene-D1	A	31.9526					
☐ Tetrachloro-m-xylene-D2	B	32.76534					
☐ Decachlorobiphenyl	A	28.8416				3.01	
☐ Decachlorobiphenyl-D1	A	28.8416					
☐ Decachlorobiphenyl-D2	B	27.98677					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.69**	
3.23	3.25	3.27	1190050	463.186761			1
3.45	3.47	3.49	1232309	456.876944			2
3.56	3.58	3.60	1460883	456.283913			3
3.78	3.80	3.82	1687717	488.461097			4
3.85	3.87	3.89	1393632	473.014975			5
4.04	4.06	4.08	1122518	476.621251			6
Height summation:			**8087109**				
Concentration		CF:	**469.074157**	L:			
Aroclor-1260						**3.23**	
4.84	4.86	4.88	2515977	518.93553			1
5.25	5.27	5.29	3262722	546.488714			2
5.31	5.33	5.35	1635124	527.535101			3
5.48	5.50	5.52	1681517	499.482498			4
5.71	5.73	5.75	4456767	525.339166			5
5.92	5.94	5.96	2537514	505.661758			6
Height summation:			**16089621**				
Concentration		CF:	**520.573795**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.67**	
2.98	3.00	3.02	2065590	465.448463			1
3.32	3.34	3.36	2390956	468.859291			2
3.51	3.53	3.55	2481614	486.596774			3
3.59	3.61	3.63	2668193	499.848047			4
3.65	3.67	3.69	1946478	485.213103			5
3.75	3.77	3.79	2144272	487.43295			6
Height summation:			**13697103**				
Concentration		CF:	**482.233105**	L:			
Aroclor-1260						**3.52**	
4.60	4.62	4.64	4670456	509.901778			1
4.71	4.73	4.75	4032777	531.137961			2
4.84	4.86	4.88	4846732	535.744861			3
5.07	5.09	5.11	2795032	484.940696			4
5.27	5.28	5.31	6752795	519.713018			5
5.53	5.54	5.57	4595187	512.171924			6
Height summation:			**27692979**				
Concentration		CF:	**515.601706**	L:			

Valerie L. Tomayko
Principal Specialist

MAR 0 2 2018

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:12

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: LCSA 3/1/18 CAF LCS45059 LCS Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Mar 01, 2018 23:19:03
Instrument	18274A
Result file	25PCBS18047010.014.RAW
Calibration file	25PCBS1804701
Method file	25PCBS

Analysis Report (B)

Injected on	Mar 01, 2018 23:19:03
Instrument	18274B
Result file	25PCBS18047010B.014.RAW
Calibration file	25PCBS1804701B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	B	482.233105	51	3		2.77	4	
PCB-1221			<51	<3			3	
PCB-1232			<51	<3			4	
PCB-1242			<51	<3			4	
PCB-1248			<51	<3			4	
PCB-1254			<51	<3			4	
PCB-1260	A	520.573795	51	3		0.96	4	
PCB-1262			<51	<3			4	
PCB-1268			<51	<3			4	
Total PCBs	A	1002.806899	51	3				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 3/2/2018 10:29:12

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 3/** 1/18 CAF LCS45059 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:19:03
Instrument : CP25--18274A
Result file : 25PCBS18047010.014.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.69	
3.23	3.25	3.27	1190050	463.186761			1
3.45	3.47	3.49	1232309	456.876944			2
+ 3.45	3.48	3.49	608011.6	225.419503			2
3.56	3.58	3.60	1460883	456.283913			3
3.78	3.80	3.82	1687717	488.461097			4
3.85	3.87	3.89	1393632	473.014975			5
4.04	4.06	4.08	1122518	476.621251			6
Height Summation:			8087109				
Amount Avg CF:			469.074157	Linear:			
Aroclor-1221					3	34.11	
3.13	3.14	3.17	221750.2	157.630533			1
E 3.18	3.20	3.22	257600.7	218.415864			2
E 3.23	3.25	3.27	1190050	313.131547			3
Height Summation:			1669400.9				
Amount Avg CF:			229.725981	Linear:			
Aroclor-1232					6	28.71	
E 3.23	3.25	3.27	1190050	404.98217			1
E 3.45	3.47	3.49	1232309	986.063485			2
E+ 3.45	3.48	3.49	608011.6	486.515993			2
E 3.57	3.58	3.61	1460883	994.661468			3
E 3.79	3.80	3.83	1687717	1028.086346			4
E 3.85	3.87	3.89	1393632	1068.991202			5
E 4.04	4.06	4.08	1122518	1161.443136			6
Height Summation:			8087109				
Amount Avg CF:			940.704635	Linear:			
Aroclor-1242					6	3.54	
E 3.23	3.25	3.27	1190050	567.26855			1
E 3.45	3.47	3.49	1232309	578.562408			2
E+ 3.45	3.48	3.49	608011.6	285.458156			2
E 3.57	3.58	3.61	1460883	569.467324			3
E 3.79	3.80	3.83	1687717	593.329548			4
E 3.85	3.87	3.89	1393632	607.155787			5
E 4.04	4.06	4.08	1122518	618.419516			6
Height Summation:			8087109				
Amount Avg CF:			589.033855	Linear:			
Aroclor-1248					6	69.40	
E 3.79	3.80	3.83	1687717	1007.012567			1
3.85	3.87	3.89	1393632	848.656434			2
3.92	3.93	3.96	1030687	339.578529			3
4.04	4.06	4.08	1122518	339.951662			4
4.13	4.15	4.17	1058774	394.557413			5
4.32	4.34	4.36	252113.9	89.288979			6
Height Summation:			6545441.9				
Amount Avg CF:			503.174264	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:19:03
Instrument : CP25--18274B
Result file : 25PCBS18047010B.014.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.67	
2.98	3.00	3.02	2065590	465.448463			1
3.32	3.34	3.36	2390956	468.859291			2
+ 3.51	3.52	3.55	102098.8	20.019611			3
3.51	3.53	3.55	2481614	486.596774			3
3.59	3.61	3.63	2668193	499.848047			4
3.65	3.67	3.69	1946478	485.213103			5
+ 3.65	3.68	3.69	591693.8	147.495931			5
3.75	3.77	3.79	2144272	487.43295			6
Height Summation:			13697103				
Amount Avg CF:			482.233105	Linear:			
Aroclor-1221					3	31.25	
2.87	2.89	2.91	452904.9	166.440641			1
E 2.93	2.95	2.97	435223.4	291.271895			2
E 2.98	3.00	3.02	2065590	317.630309			3
Height Summation:			2953718.3				
Amount Avg CF:			258.447615	Linear:			
Aroclor-1232					6	31.09	
E 2.98	3.00	3.02	2065590	400.3708			1
E 3.32	3.34	3.36	2390956	1010.45962			2
+ 3.52	3.52	3.56	102098.8	41.770549			3
E 3.52	3.53	3.56	2481614	1015.275204			3
E 3.59	3.61	3.63	2668193	1130.007845			4
E 3.65	3.67	3.69	1946478	1259.892897			5
E+ 3.65	3.68	3.69	591693.8	382.984455			5
E 3.76	3.77	3.80	2144272	1207.121827			6
E+ 3.76	3.80	3.80	778600.5	438.314569			6
Height Summation:			13697103				
Amount Avg CF:			1003.854699	Linear:			
Aroclor-1242					6	4.17	
E 2.98	3.00	3.02	2065590	566.656379			1
E 3.32	3.34	3.36	2390956	590.116174			2
+ 3.51	3.52	3.55	102098.8	24.426573			3
E 3.51	3.53	3.55	2481614	593.712416			3
E 3.59	3.61	3.63	2668193	633.513227			4
E 3.65	3.67	3.69	1946478	624.529712			5
+ 3.65	3.68	3.69	591693.8	189.845639			5
E 3.76	3.77	3.80	2144272	618.046454			6
Height Summation:			13697103				
Amount Avg CF:			604.429061	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 3/** 1/18 CAF LCS45059 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:19:03
Instrument : CP25--18274A
Result file : 25PCBS18047010.014.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	94.25	
4.45	4.47	4.49	1180999	224.795829			1
+ 4.65	4.67	4.69	154768.1	44.965844			2
4.65	4.69	4.69	231209.5	67.174892			2
4.71	4.73	4.75	738649.9	110.684394			3
E 4.84	4.86	4.88	2515977	1192.037766			4
5.13	5.15	5.17	1431601	431.999812			5
5.25	5.27	5.29	3262722	760.371974			6
Height Summation:			**9361158.4**				
Amount Avg CF:			**464.510778**	Linear:			
Aroclor-1260					6	3.23	
4.84	4.86	4.88	2515977	518.93553			1
5.25	5.27	5.29	3262722	546.488714			2
5.31	5.33	5.35	1635124	527.535101			3
5.48	5.50	5.52	1681517	499.482498			4
5.71	5.73	5.75	4456767	525.339166			5
5.92	5.94	5.96	2537514	505.661758			6
Height Summation:			**16089621**				
Amount Avg CF:			**520.573794**	Linear:			
Aroclor-1262					6	40.77	
E 5.32	5.33	5.36	1635124	300.457133			1
E 5.48	5.50	5.52	1681517	348.369069			2
E 5.72	5.73	5.76	4456767	425.00055			3
E 5.92	5.94	5.96	2537514	397.022092			4
+ 5.98	5.98	6.02	60205.36	18.440268			5
5.98	5.99	6.02	260197.4	79.695726			5
E 6.35	6.37	6.39	1069312	271.493199			6
Height Summation:			**11640431.4**				
Amount Avg CF:			**303.672962**	Linear:			
Aroclor-1268					6	98.57	
5.92	5.94	5.96	2537514	185.739236			1
+ 5.98	5.98	6.02	60205.36	5.196844			2
5.98	5.99	6.02	260197.4	22.459882			2
6.11	6.13	6.15	103252.7	9.049632			3
+ 6.17	6.19	6.21	85593.29	29.17958			4
6.17	6.21	6.21	420205.8	143.25222			4
E 6.35	6.37	6.39	1069312	224.505995			5
6.55	6.57	6.59	309638.9	8.036768			6
Height Summation:			**4700120.8**				
Amount Avg CF:			**98.840622**	Linear:			

Analysis Report (B)

Injected on : Mar 01, 2018 23:19:03
Instrument : CP25--18274B
Result file : 25PCBS18047010B.014.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	59.03	
+ 3.51	3.52	3.55	102098.8	44.338243			1
E 3.51	3.53	3.55	2481614	1077.685578			1
3.59	3.61	3.63	2668193	868.197422			2
3.62	3.64	3.66	1735166	339.621054			3
3.75	3.77	3.79	2144272	350.748126			4
3.85	3.87	3.89	1715744	417.767098			5
3.99	4.01	4.03	2362239	298.44247			6
Height Summation:			**13107228**				
Amount Avg CF:			**558.743625**	Linear:			
Aroclor-1254					6	70.71	
+ 4.37	4.38	4.41	385102.5	35.746555			1
4.37	4.40	4.41	1093342	101.48781			1
4.46	4.48	4.50	4121566	848.630195			2
E 4.60	4.62	4.64	4670456	1146.693679			3
E 4.71	4.73	4.75	4032777	1064.23692			4
4.76	4.78	4.80	481762.8	98.790156			5
4.84	4.86	4.88	4846732	651.713097			6
Height Summation:			**19246635.8**				
Amount Avg CF:			**651.92531**	Linear:			
Aroclor-1260					6	3.52	
4.60	4.62	4.64	4670456	509.901778			1
4.71	4.73	4.75	4032777	531.137961			2
4.84	4.86	4.88	4846732	535.744861			3
5.07	5.09	5.11	2795032	484.940696			4
5.27	5.28	5.31	6752795	519.713018			5
5.53	5.54	5.57	4595187	512.171924			6
Height Summation:			**27692979**				
Amount Avg CF:			**515.601706**	Linear:			
Aroclor-1262					6	28.01	
E 4.88	4.89	4.92	2077143	248.660969			1
E 5.08	5.09	5.12	2795032	335.310074			2
+ 5.08	5.11	5.12	424388.7	50.912407			2
E 5.27	5.28	5.31	6752795	396.817891			3
5.49	5.50	5.53	1248875	194.432852			4
E 5.53	5.54	5.57	4595187	411.552502			5
E 5.91	5.92	5.95	1614783	267.122196			6
Height Summation:			**19083815**				
Amount Avg CF:			**308.982747**	Linear:			
Aroclor-1268					6	112.14	
5.48	5.50	5.52	1248875	62.516935			1
E 5.53	5.54	5.57	4595187	222.499608			2
5.68	5.70	5.72	133386.1	8.056774			3
5.75	5.77	5.79	126004.3	29.832004			4
E 5.90	5.92	5.94	1614783	228.821166			5
6.10	6.12	6.14	452807.7	7.622949			6
Height Summation:			**8171043.1**				
Amount Avg CF:			**93.224906**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 3/** 1/18 CAF LCS45059 Sample ID: AC **Batchnumber: 180590045A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Mar 01, 2018 23:19:03
Instrument : CP25--18274A
Result file : 25PCBS18047010.014.RAW
Calibration file : 25PCBS1804701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Mar 01, 2018 23:19:03
Instrument : CP25--18274B
Result file : 25PCBS18047010B.014.RAW
Calibration file : 25PCBS1804701B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						2.77	4	40	
Aroclor-1221						11.77	3	5	
Aroclor-1232						6.50	4	10	
Aroclor-1242						2.58	4	30	
Aroclor-1248						10.47	4	40	
Aroclor-1254						33.57	4	40	
Aroclor-1260						0.96	4	40	
Aroclor-1262						1.73	4	40	
Aroclor-1268						5.85	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 3/1/18 CAF ACLCS45059 LCS 180590045A 10225 SW-846 8082
Injected On: 3/1/2018 11:19:03 PM Injection Volume: 1 µl
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs18047010.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1804701.CAL

RT A	Compound A	Height A	Area A
2.019		5271	4483
2.037		6137	3953
2.052		18128	16695
2.082		1545	791
2.099		4610	3872
2.148		5707	5882
2.168		2914	1567
2.193		346339	236608
2.226		2338	1153
2.262		8697	5164
2.283		6757	4648
2.301		961	927
2.339		702	312
2.349		914	420
2.375		4211	2502
2.393		1910	1196
2.434		598	974
2.452		364638	237337
2.488		1435	727
2.513		425	402
2.518		663	223
2.534		2914	1497
2.55		1209	747
2.564		231	34
2.576		2223	1284
2.599		7024	4622
2.629		19160	12549
2.648		173	35
2.664		604	171
2.68		1696	1032
2.717		3771	2860
2.748		2899	1459
2.763		8608	4597
2.807		162204	135377
2.841		717	619
2.864		529	283
2.893		1899	1101
2.909		2193	1434
2.938		11003	7903
2.967		119	29
2.992	TCX	4915169	3255354
3.079		1217	831
3.107		538	269
3.119		202	34
3.144		221750	194759
3.176		1858	754
3.201		257601	208319
3.249		1190051	810964
3.325		7322	3770
3.344		152158	102182
3.383		4311	2696
3.416		132	39
3.422		315	72
3.427		411	51

RT A	Compound A	Height A	Area A
3.434		282	101
3.466		1232309	740684
3.483		608012	316827
3.521		150086	86910
3.537		57775	25192
3.553		80023	44702
3.583		1460883	1067828
3.618		7289	3787
3.634		7801	3737
3.659		87286	59519
3.694		319890	183635
3.709		164831	80022
3.729		6038	2272
3.754		883294	442523
3.765		1464522	745568
3.803		1687717	1277269
3.866		1393632	1097202
3.906		114830	80917
3.933		1030687	722803
3.961		713940	621198
3.983		190202	104162
4.038		276	62
4.061		1122518	799080
4.085		383779	249904
4.117		426147	310244
4.153		1058774	1098996
4.194		344306	273145
4.224		701	322
4.24		50282	35857
4.279		74483	61315
4.315		1175938	855411
4.336		252114	148191
4.361		281008	213707
4.429		173124	153108
4.474		1180999	1081834
4.508		49581	33388
4.548		973	384
4.571		18371	15164
4.614		217618	223607
4.67		154768	104045
4.686		231210	150086
4.732		738650	661302
4.778		1027672	1153917
4.817		274599	198696
4.857		2515977	2228016
4.9		38188	32245
4.948		358290	400730
4.981		39579	26326
5.007		403494	362937
5.06		2212106	1749461
5.077		218230	136080
5.11		514790	450530
5.153		1431601	1519391
5.195		33029	18322
5.233		261337	322702
5.268		3262722	2991915
5.291		106880	49065
5.307		29940	10961
5.331		1635124	1361383
5.374		1005948	959538
5.472		177785	162973
5.495		1681517	1428946
5.553		836811	755408
5.593		478089	435686
5.634		124108	119171
5.677		633868	630326

RT A	Compound A	Height A	Area A
5.734		4456767	4919855
5.868		862	944
5.94		2537514	2500381
5.982		60205	164173
5.992		260197	198516
6.078		933	576
6.126		103253	98875
6.188		85593	64107
6.211		420206	378469
6.301		342	65
6.314		572	567
6.368		1069312	1063302
6.413		63886	59420
6.529		397	172
6.569		309639	330920
6.624		308	82
6.64		797	212
6.648		296	43
6.656		309	127
6.678		146	22
6.716	DCB	2721173	2872008
6.829		625	520
6.883		523	148
6.897		394	248
6.929		303	67
6.936		439	109
6.96		275	74
6.97		359	76
6.977		161	36
6.982		249	56
6.994		166	26

LANCASTER LABORATORIES

Sample Number: LCSA 3/1/18 CAF ACLCS45059 LCS 180590045A 10225 SW-846 8082
Injected On: 3/1/2018 11:19:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs18047010B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1804701b.CAL

RT B	Compound B	Height B	Area B
2.011		10094	5487
2.073		19336	27636
2.141		5585	3337
2.2		628530	388804
2.223		7747	4289
2.272		7914	5553
2.3		6560	4771
2.323		4330	3515
2.37		7421	6798
2.39		28270	19912
2.443		2631	2862
2.483		16462	11204
2.526		140177	86952
2.552		220039	130242
2.592		6671	5085
2.648		4319	2448
2.667		5998	3382
2.685		18964	10389
2.714	TCX	8650119	5291926
2.756		174161	134582
2.835		8778	6177
2.885		452905	320231
2.947		435223	347697
3.001		2065590	1297273
3.053		20838	11735
3.075		1517	543
3.088		643	98
3.113		271055	179826
3.14		1141	536
3.16		723	132
3.168		871	288
3.21		1759724	875013
3.222		570199	229483
3.263		298589	196842
3.285		165069	96634
3.311		199793	113862
3.335		2390956	1646838
3.372		116824	71931
3.4		510	77
3.419		599278	328789
3.435		365320	179224
3.463		3353	1345
3.486		1550299	714780
3.496		2734130	1240386
3.516		102099	34723
3.53		2481614	1716944
3.606		2668193	1691003
3.641		1735166	1094488
3.665		1946478	1118392
3.684		591694	305757
3.723		1384	519
3.737		2609	1362
3.771		2144272	1460650
3.796		778601	443680

RT B	Compound B	Height B	Area B
3.818		715322	465776
3.85		513058	281803
3.868		1715744	1081294
3.912		611871	465071
3.96		124664	123626
3.983		424200	266314
4.005		2362239	1595744
4.032		458150	294969
4.053		72529	36137
4.072		279472	182345
4.109		1874005	1368760
4.145		113198	74412
4.162		172159	113717
4.207		5494	2889
4.226		20975	15583
4.252		221566	284716
4.296		11315	6062
4.32		532696	405178
4.365		427143	258550
4.384		385103	205343
4.397		1093342	629713
4.424		675608	743248
4.478		4121566	3183371
4.524		82282	80396
4.551		437640	301644
4.576		872142	641021
4.62		4670456	3739005
4.728		4032777	3721818
4.783		481763	431002
4.823		973811	879053
4.86		4846733	4061442
4.894		2077143	1474480
4.933		1467250	1186777
4.998		8968	9831
5.038		510818	571107
5.089		2795032	2236006
5.114		424389	284006
5.165		1415597	1294434
5.2		722877	570431
5.229		497887	432714
5.262		230927	133810
5.283		6752795	5490782
5.325		140024	103937
5.358		279197	242190
5.475		64795	40506
5.498		1248875	1021023
5.543		4595187	4769874
5.699		133386	118159
5.742		122046	94694
5.767		126004	96190
5.815		721499	649848
5.921		1614783	1359445
5.952		95793	74404
6.038		1748	1946
6.119		452808	406549
6.279	DCB	4025842	3636903
6.424		1579	515
6.459		2352	1720
6.596		1175	536
6.67		1108	218
6.765		1419	831
6.808		1102	1021
6.905		1195	1621
6.973		1586	749

LCSA 3/1/18 CAF ACLCS45059 LCS 180590045A 10225 SW-846 80

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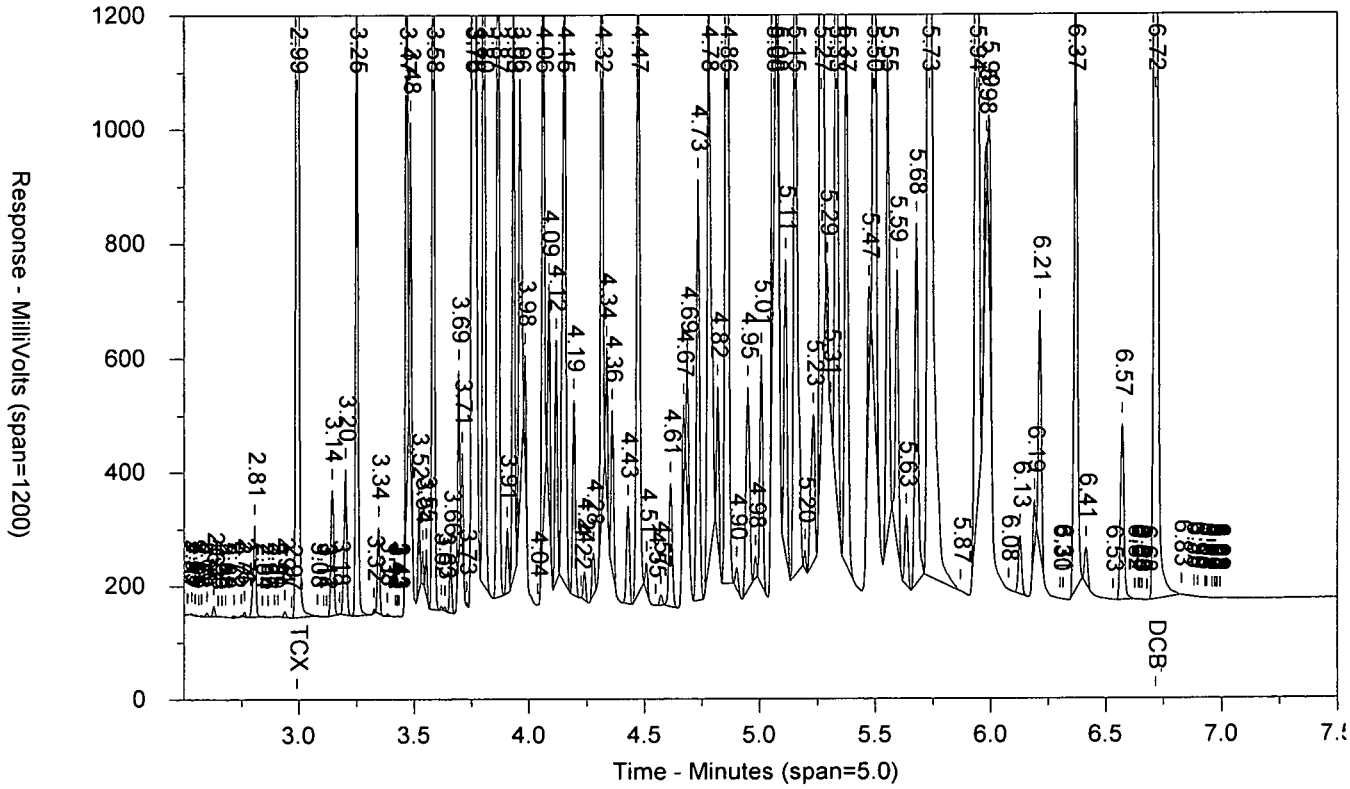

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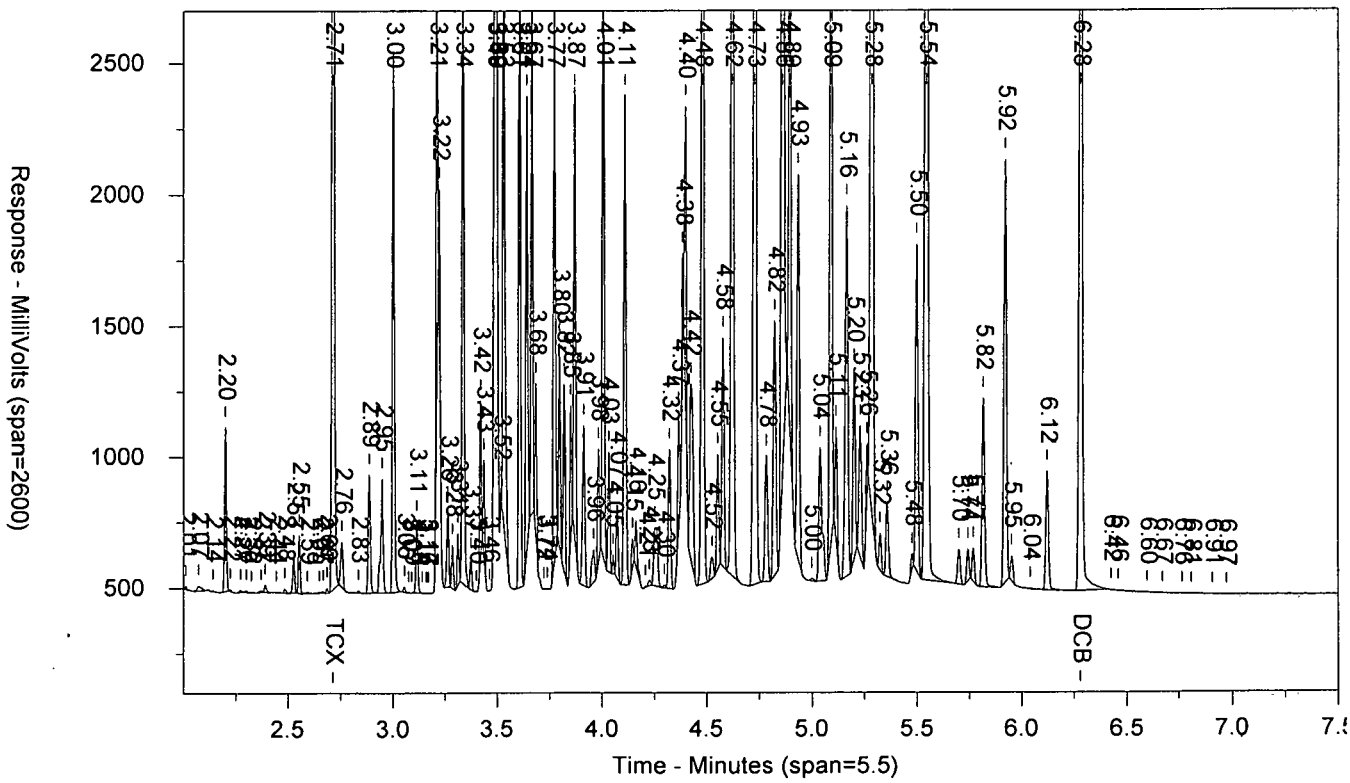

LANCASTER LABORATORIES

Sample Number: LCSA 3/1/18 CAF ACLCS45059 LCS 180590045A 10225 SW-846 8082
Injected On: 3/1/2018 11:19:03 PM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 2
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
2.992	4915169	31.953	TCX	2.714	8650119	32.765	TCX
6.716	2721173	28.842	DCB	6.279	4025842	27.987	DCB

Files:
Area File: 25PCBs18047010.014.RAW
Area File: 25PCBs18047010B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1804701.CAL
Calibration File B: 25PCBS1804701b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 3/1/2018 11:27:34 PM
File Reported On: 3/2/2018 at 9:02:11 AM

LCSA 3/1/18 CAF ACLCS45059 LCS 180590045A 10225 SW-846 80

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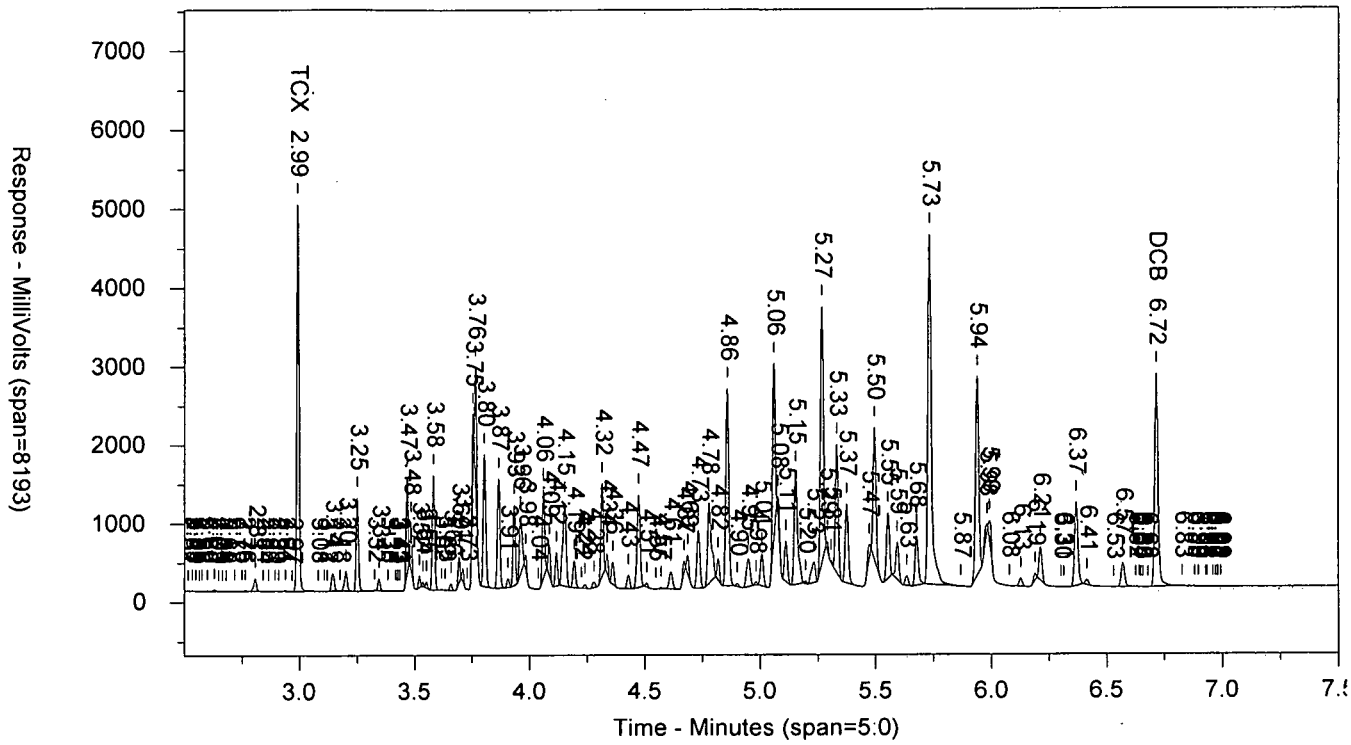

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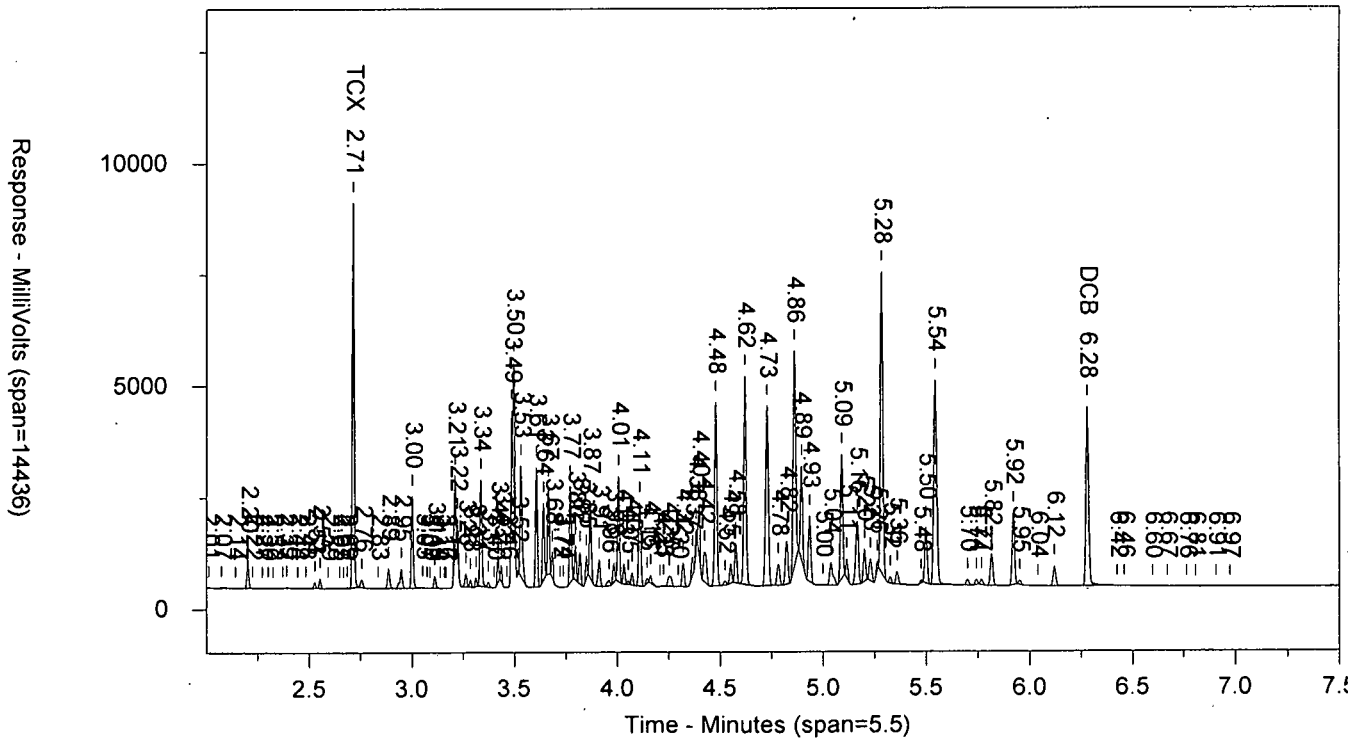

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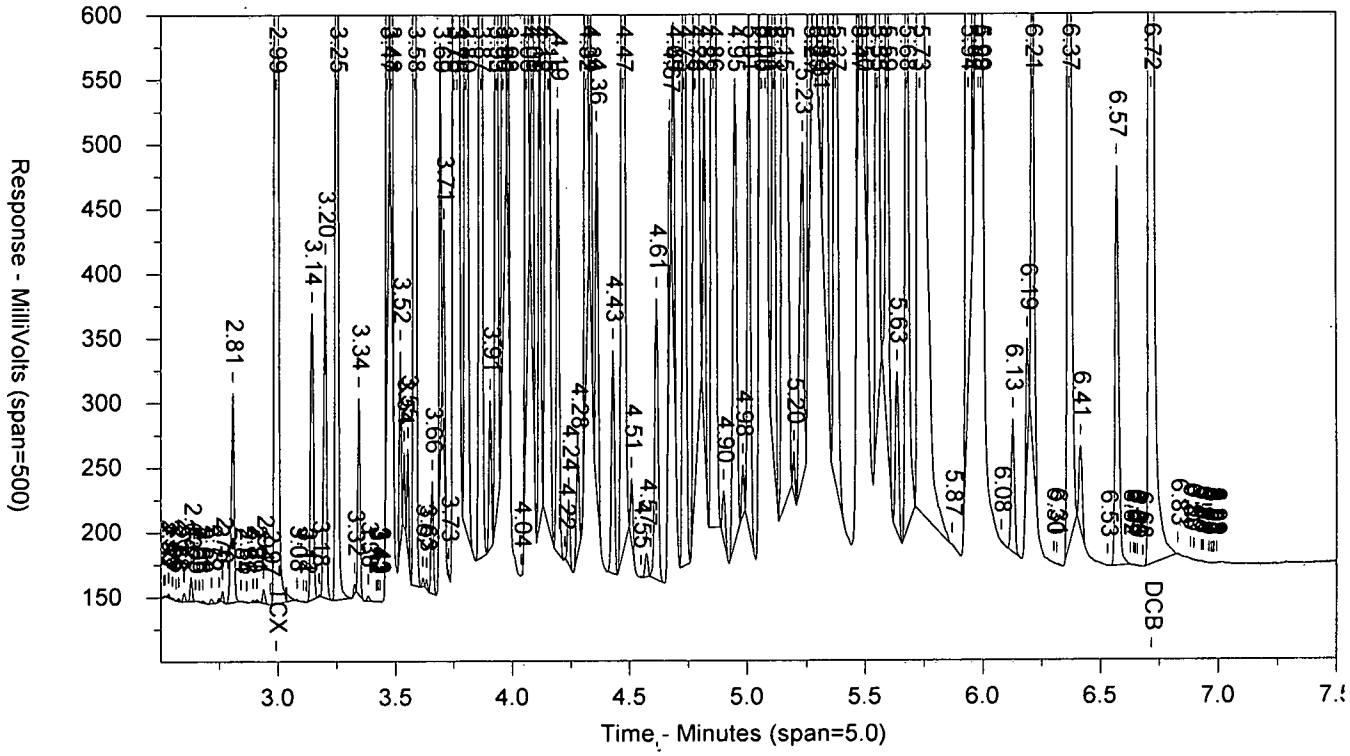

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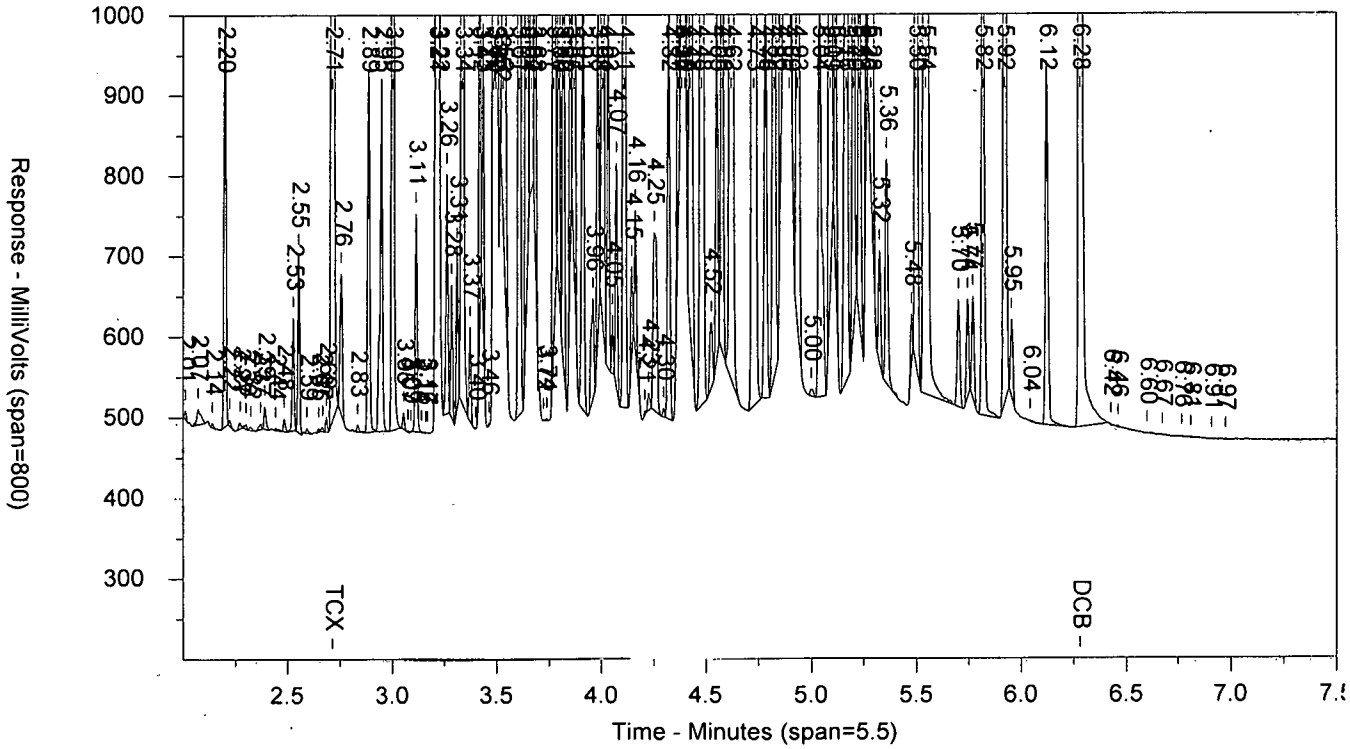

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 898 Olivia Arosemena Reviewed by: KBT 9066 Start Date: 3-1-18 Start time: 12:00

180590045A

Tech 1: OA898 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
9481688MSD	A6302MSD	10.00	SS1804624A	1.0	MS1803024A	1	10	Z	Z	314c	Black, Snl
9481688MS	A6302MS	10.21	SS1804624A	1.0	MS1803024A	1	10	Z	Z	314b	Black, Snl
BLANKA	PBLK45059	10	SS1804624A	1.0			10	Z	Z	Na	Na2SO4
LCSA	LCS45059	10	SS1804624A	1.0	MS1803024A	1	10	Z	Z	Na	Na2SO4

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185021318A
Filter Paper	10310093
Hexane	175332
Sodium Sulfate	18059A

Spike Solutions: Witness: Na

MS1803024A PCB SPIKE

SS1804624A 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	9481687	A6301	10.34	SS1804624A	1.0	10	Z	Z	314A	Soil;Sandy;Brown	10225	25281	03/02/2018	S
2	9481688	A6302	10.31	SS1804624A	1.0	10	Z	Z	314a	Soil;Sandy;Black	10225	25281	03/02/2018	S
3	9481689	A6303	10.46	SS1804624A	1.0	10	Z	Z	314A	Soil;Sandy;Black	10225	25281	03/02/2018	S
4	9481690	A6304	10.32	SS1804624A	1.0	10	Z	Z	314A	Soil;Sandy;Black;Brown	10225	25281	03/02/2018	S

OA898
Na
3-1-18

Bench#	Bench#	Bench# 3		
Rack ID:		Work Station	Stad 3	Micro Temp 100?
Internal Standard		Balance #	25996	

R-VAP ID	— C	R-VAP ID	C	R-VAP ID	C		
S-bath ID 6	98 C	S-bath ID	C	N-Evap	C	M-vap	C

180590045A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 180590045A

Verified: [illegible]
Start Date: 3-1-18
Start Time: 16:30
Tech 1: 02898
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9481688MSD		10	10			
9481688MS		10	10			
BLANKA		10	10			
LCSA		10	10			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9481687		10	10				10225
2	9481688		10	10				10225
3	9481689		10	10				10225
4	9481690		10	10				10225

02898
NQ
3-1-18

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	176838

Prep-Process Worksheet

Copper/Florisil

Prep: 14248 PCB 10g Sonication Ext

Batch No: 180590045A

Verified: [illegible]
Start Date: 3-1-18
Start Time: 16:30
Tech 1: 02898
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9481688MSD		2	2			
9481688MS		2	2			
BLANKA		2	2			
LCSA		2	2			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9481687		2	2				10225
2	9481688		2	2				10225
3	9481689		2	2				10225
4	9481690		2	2				10225

02898
NA
3-1-18

Additional Comment: Balance # 15578

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	611060-CG
		COPPER	718121-BE

Moisture Data

eurofins | Lancaster Laboratories Environmental

CLIENT: Stantec
SDG: ATH63

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9481687	A6301
9481688	A6302
9481689	A6303
9481690	A6304

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: 18060820002B	Sample number(s): 9481687-9481690				
Moisture	100		99-101		

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 18060820002B	Sample number(s): 9481687-9481690			
Moisture	8.5	7.2	17*	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

Moisture Data Report

Batch #: 18060820002

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9481687	B	00111	1.1302	5.0872	5.7958	8.29	3/ 1/18 (189/WCS)	3/ 2/18 (236/CW)
9481688	B	00111	1.1420	5.2422	5.0258	25.91	3/ 1/18 (189/WCS)	3/ 2/18 (236/CW)
9481689	B	00111	1.1091	5.7443	5.5078	23.42	3/ 1/18 (189/WCS)	3/ 2/18 (236/CW)
9481690	B	00111	1.1256	5.2481	5.7857	11.20	3/ 1/18 (189/WCS)	3/ 2/18 (236/CW)
LCS 89.5% Std.		00111	1.1416	5.0073	1.6700	89.45	3/ 1/18 (189/WCS)	3/ 2/18 (236/CW)