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Type I Data Package

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Project: Amtrak Wilmington
Soil Samples
Collected on 09/15/16

SDG# ATD81

GROUP	SAMPLE NUMBERS
1709587	8592780-8592784

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

Authorized by: Dana M Kauffman **Date:** **10/24/2016**

Dana M. Kauffman
Manager

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

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Sample Reference List for SDG Number ATD81
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
8592780	W-84-E	09/15/2016 09:51	09/15/2016 18:40
8592781	W-84-W	09/15/2016 09:52	09/15/2016 18:40
8592782	W-84-W-MS	09/15/2016 09:52	09/15/2016 18:40
8592783	W-84-W-MSD	09/15/2016 09:52	09/15/2016 18:40
8592784	DUP-16	09/15/2016 09:52	09/15/2016 18:40

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14248 PCB 10g Sonication Ext

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

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

10225 PCBs in Solids by 8082/3550

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

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

00111 Moisture
00118 Moisture
00121 Moisture Duplicate

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

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

Analysis Reports / Field Chain of Custody

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Report Date: October 21, 2016

Project: Amtrak Wilmington

Submittal Date: 09/15/2016
Group Number: 1709587
SDG: ATD81
PO Number: 213402048
State of Sample Origin: DE

Client Sample Description	Lancaster Labs (LL) #
W-84-E Grab Soil	8592780
W-84-W Grab Soil	8592781
W-84-W-MS Grab Soil	8592782
W-84-W-MSD Grab Soil	8592783
DUP-16 Grab Soil	8592784

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

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

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

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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Analysis Report

Sample Description: W-84-E Grab Soil
Amtrak Wilmington

LL Sample # SW 8592780
LL Group # 1709587
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/15/2016 09:51 by JZ

Submitted: 09/15/2016 18:40
Reported: 10/21/2016 11:37

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

AMW61 SDG#: ATD81-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1	1.1	20
10225	PCB-1221	11104-28-2	< 1.1	1.1	20
10225	PCB-1232	11141-16-5	< 1.1	1.1	20
10225	PCB-1242	53469-21-9	< 1.1	1.1	20
10225	PCB-1248	12672-29-6	< 1.1	1.1	20
10225	PCB-1254	11097-69-1	< 1.1	1.1	20
10225	PCB-1260	11096-82-5	2.0	1.1	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	5.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162850022A	10/13/2016 20:41	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162850022A	10/12/2016 00:35	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	16266820006A	09/22/2016 13:31	Larry E Bevins	1

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Analysis Report

Sample Description: W-84-W Grab Soil
Amtrak Wilmington

LL Sample # SW 8592781
LL Group # 1709587
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/15/2016 09:52 by JZ

Submitted: 09/15/2016 18:40
Reported: 10/21/2016 11:37

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

AMW62 SDG#: ATD81-02BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.57	0.57	10
10225	PCB-1221	11104-28-2	< 0.57	0.57	10
10225	PCB-1232	11141-16-5	< 0.57	0.57	10
10225	PCB-1242	53469-21-9	< 0.57	0.57	10
10225	PCB-1248	12672-29-6	< 0.57	0.57	10
10225	PCB-1254	11097-69-1	< 0.57	0.57	10
10225	PCB-1260	11096-82-5	4.3	0.57	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	12.3	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	162850022A	10/19/2016 02:13	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162850022A	10/12/2016 00:35	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	16266820006A	09/22/2016 13:31	Larry E Bevins	1

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Analysis Report

Sample Description: W-84-W-MS Grab Soil
Amtrak Wilmington

LL Sample # SW 8592782
LL Group # 1709587
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/15/2016 09:52 by JZ

Submitted: 09/15/2016 18:40
Reported: 10/21/2016 11:37

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

AMW62 SDG#: ATD81-02MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	0.77	0.58	10
10225	PCB-1221	11104-28-2	< 0.58	0.58	10
10225	PCB-1232	11141-16-5	< 0.58	0.58	10
10225	PCB-1242	53469-21-9	< 0.58	0.58	10
10225	PCB-1248	12672-29-6	< 0.58	0.58	10
10225	PCB-1254	11097-69-1	< 0.58	0.58	10
10225	PCB-1260	11096-82-5	8.7	0.58	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	12.3	0.50	1

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162850022A	10/19/2016 02:35	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162850022A	10/12/2016 00:35	Denise L Trimby	1
00118	Moisture	SM 2540 G-1997	1	16266820006A	09/22/2016 13:31	Larry E Bevins	1

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Analysis Report

Sample Description: W-84-W-MSD Grab Soil
Amtrak Wilmington

LL Sample # SW 8592783
LL Group # 1709587
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/15/2016 09:52 by JZ

Submitted: 09/15/2016 18:40
Reported: 10/21/2016 11:37

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

AMW62 SDG#: ATD81-02MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	0.80	0.58	10
10225	PCB-1221	11104-28-2	< 0.58	0.58	10
10225	PCB-1232	11141-16-5	< 0.58	0.58	10
10225	PCB-1242	53469-21-9	< 0.58	0.58	10
10225	PCB-1248	12672-29-6	< 0.58	0.58	10
10225	PCB-1254	11097-69-1	< 0.58	0.58	10
10225	PCB-1260	11096-82-5	5.6	0.58	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	12.3	0.50	1
00121	Moisture Duplicate	n.a.	11.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162850022A	10/19/2016 02:58	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162850022A	10/12/2016 00:35	Denise L Trimby	1
00118	Moisture	SM 2540 G-1997	1	16266820006A	09/22/2016 13:31	Larry E Bevins	1
00121	Moisture Duplicate	SM 2540 G-1997	1	16266820006A	09/22/2016 13:31	Larry E Bevins	1

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Analysis Report

Sample Description: DUP-16 Grab Soil
Amtrak Wilmington

LL Sample # SW 8592784
LL Group # 1709587
Account # 11289

Project Name: Amtrak Wilmington

Collected: 09/15/2016 09:52 by JZ

Submitted: 09/15/2016 18:40
Reported: 10/21/2016 11:37

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

AMW63 SDG#: ATD81-03FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.2	1.2	20
10225	PCB-1221	11104-28-2	< 1.2	1.2	20
10225	PCB-1232	11141-16-5	< 1.2	1.2	20
10225	PCB-1242	53469-21-9	< 1.2	1.2	20
10225	PCB-1248	12672-29-6	< 1.2	1.2	20
10225	PCB-1254	11097-69-1	< 1.2	1.2	20
10225	PCB-1260	11096-82-5	11	1.2	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	12.4	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	162850022A	10/19/2016 03:21	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	162850022A	10/12/2016 00:35	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	16266820006A	09/22/2016 13:31	Larry E Bevins	1

Quality Control Summary

Client Name: Stantec
Reported: 10/21/2016 11:37

Group Number: 1709587

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: 162850022A	Sample number(s): 8592780-8592784	
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: 162850022A	Sample number(s): 8592780-8592784								
PCB-1016	0.504	0.524			104		80-121		
PCB-1260	0.502	0.576			115		84-125		
	%	%	%	%					
Batch number: 16266820006A	Sample number(s): 8592780-8592784								
Moisture	89.5	89.44			100		99-101		
Moisture	89.5	89.44			100		99-101		
Moisture Duplicate	89.5	89.44			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: 162850022A	Sample number(s): 8592780-8592784 UNSPK: 8592781									
PCB-1016	< 0.50	0.502	0.673	0.500	0.699	134*	140*	80-121	4	50
PCB-1260	3.76	0.500	7.64	0.498	4.90	776 (2)	228 (2)	84-125	44	50

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

Quality Control Summary

Client Name: Stantec
Reported: 10/21/2016 11:37

Group Number: 1709587

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: 16266820006A	Sample number(s): 8592780-8592784 BKG: 8592781, P592781			
Moisture	12.34	11.47	7*	5
Moisture	12.34	11.47	7*	5
Moisture Duplicate	12.34	11.47	7*	5

Surrogate Quality Control

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

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 162850022A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8592780	89	125
8592781	110	141*
8592782	100	127
8592783	106	131
8592784	120	160*
Blank	106	125
LCS	113	124
MS	100	127
MSD	106	131
Limits:	46-148	49-139

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

Environmental Analysis Request/Chain of Custody

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Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # 11289 Group # 1709587 Sample # 8592780-84

COC # 508981 Chain 1 of 7

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak - Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zerbe

Quote #:

State where samples were collected: Delaware

For Compliance: Yes ☐ No ☐

For Lab Use Only

FSC:

SCR#:

Preservation Codes

H=HCl T=Thiosulfate

N=HNO_3 B=NaOH

S=H_2SO_4 O=Other

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Matrix: Soil ☒ Sediment ☐ Tissue ☐	Water: Potable ☐ Ground ☐ Surface ☐ NPDES ☐ Other:	Total # of Containers	Analysis Requested: PCB 3550B	Remarks
W-84-E	9/15/16	0951	X		X		1	X	
W-84-W		0952	X		X		1	X	
W-84 W MS		0952	X		X		1	X	
W-84 W MSD		0952	X		X		1	X	
DUP-16		0952	X		X		1	X	
W-85-E		0954	X		X		1	X	
W-85-W		0955	X		X		1	X	
W-85-W MS		0955	X		X		1	X	
W-85-W MSD		0955	X		X		1	X	
DUP-17		0955	X		X		1	X	

Turnaround Time (TAT) Requested (please circle)

Standard Rush

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

Date results are needed:

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

Data Package Options (circle if required)

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

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

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-15-16	1200	[signature]	9/15/16	1200
[signature]	9/15/16	1840			
			[signature]	9/15/16	1840

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 1.0 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 162225

Group Number(s): 1709587

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/15/2016 18:40
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	DE		

Arrival Condition Summary

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

Unpacked by Karen Diem (3060) at 21:52 on 09/15/2016

Samples Chilled Details

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

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.0	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
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Explanation of Symbols and Abbreviations

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

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

< less than

> greater than

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

ppb parts per billion

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

Laboratory Data Qualifiers:

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

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

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

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

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

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

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

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Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

Polychlorinated Biphenyls (PCBs)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATD81

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
8592780	W-84-E		X	20	
8592781	W-84-W		X	10	Unspiked
8592782	W-84-W-MS		X	10	Matrix Spike
8592783	W-84-W-MSD		X	10	Matrix Spike Duplicate
8592784	DUP-16		X	20	Field Duplicate Sample

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

CALIBRATION/STANDARDIZATION:

(Sample number(s): 8592780-8592784: Analysis: 10225)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

MS/MSD

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

Batch#: 162850022A (Sample number(s): 8592780-8592784, UNSPK: 8592781-8592782)
The recovery(ies) for the following analyte(s) in the MS and MSD is outside the acceptance window: PCB-1016, PCB-1260

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATD81

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Refer to the QC Summary forms for more information.

Surrogate

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

Batch#: 162850022A (Sample number(s): 8592780-8592784, UNSPK: 8592781-8592782)
The recovery(ies) for the following surrogate(s) exceeds the acceptance window:
Decachlorobiphenyl (8592781 UNSPK, 8592784)

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: ATD81

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	162850022A	PBLK22285	10/13/2016 20:18:00
		LCS22285	10/13/2016 20:29:00
		8592780	10/13/2016 20:41:00
		8592781 UNSPK	10/19/2016 02:13:00
		8592782 MS	10/19/2016 02:35:00
		8592783 MSD	10/19/2016 02:58:00
		8592784	10/19/2016 03:21:00

Lancaster Laboratories Environmental

Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATD81
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

162850022A / PBLK22285 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	10/13/16	N.D.	mg/kg	0.0099	0.051
PCB-1221	10/13/16	N.D.	mg/kg	0.015	0.051
PCB-1232	10/13/16	N.D.	mg/kg	0.012	0.051
PCB-1242	10/13/16	N.D.	mg/kg	0.012	0.051
PCB-1248	10/13/16	N.D.	mg/kg	0.0099	0.051
PCB-1254	10/13/16	N.D.	mg/kg	0.013	0.051
PCB-1260	10/13/16	N.D.	mg/kg	0.012	0.051

Lancaster Laboratories Environmental

Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATD81
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

162850022A	**Decachlorobiphenyl**		**Tetrachloro-m-xylene**	
	Spike Added	29.3 ug/kg	**Spike Added**	29.2 ug/kg
Sample	**% Recovery**	**Limits**	**% Recovery**	**Limits**
PBLK22285	125	49 - 139	106	46 - 148
LCS22285	124	49 - 139	113	46 - 148
8592780	125	49 - 139	89	46 - 148
8592781 UNSPK	141 *	49 - 139	110	46 - 148
8592782 MS	127	49 - 139	100	46 - 148
8592783 MSD	131	49 - 139	106	46 - 148
8592784	160 *	49 - 139	120	46 - 148

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

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ATD81
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 8592781 MS: 8592782 MSD: 8592783 **Analyte**	Batch: **162850022A** (Sample number(s): 8592780-8592784)								
	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	0.502 / 0.500	N.D.	0.673	0.699	134 *	140 *	80-121	4	50
PCB-1260	0.500 / 0.498	3.76	7.64	4.90	776 (2)	228 (2)	84-125	44	50

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

Results are being reported on an as received basis.

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

SDG: ATD81
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS22285	Batch: **162850022A** (Sample number(s): 8592780-8592784)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.504	0.524	NA	104	NA	80-121	NA	NA
PCB-1260	0.502	0.576	NA	115	NA	84-125	NA	NA

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1628301

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

Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.85	2.91
Decachlorobiphenyl	6.55	6.55	6.55	6.55	6.55	6.55	6.52	6.58

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1628301

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.26E+05	1.28E+05	1.36E+05	1.33E+05	1.34E+05	1.31E+05	3
Decachlorobiphenyl	1.31E+05	1.23E+05	1.26E+05	1.24E+05	1.25E+05	1.26E+05	3

Average % RSD: 3

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1628301

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.14	3.12	3.16	2350	2167	1	50.5	118669	6
					2214		2	101	223616	
					2187		3	202	441798	
					2066		4	505	1043205	
					2016		5	1010	2036328	
	2	3.35	3.33	3.37	2265	2101	1	50.5	114385	7
					2233		2	101	225517	
					2092		3	202	422663	
					1970		4	505	995050	
					1943		5	1010	1962167	
	3	3.47	3.45	3.49	2693	2563	1	50.5	135995	4
					2606		2	101	263186	
					2557		3	202	516612	
					2479		4	505	1252030	
					2481		5	1010	2505922	
	4	3.68	3.66	3.70	3145	3066	1	50.5	158820	2
					3087		2	101	311789	
					2993		3	202	604680	
					3000		4	505	1515168	
					3103		5	1010	3133588	
	5	3.74	3.72	3.76	2526	2416	1	50.5	127556	3
					2384		2	101	240822	
					2375		3	202	479740	
					2341		4	505	1182246	
					2452		5	1010	2476829	
	6	3.93	3.91	3.95	1894	1790	1	50.5	95646	5
					1858		2	101	187632	
					1721		3	202	347577	
					1694		4	505	855458	
					1783		5	1010	1800794	
Aroclor-1221	1	3.04	3.02	3.06	1190	1190	1	200	237910	0
	2	3.09	3.07	3.11	933	933	1	200	186562	0
	3	3.14	3.12	3.16	3136	3136	1	200	627252	0
Aroclor-1232	1	3.14	3.12	3.16	2614	2614	1	200	522766	0
	2	3.35	3.33	3.37	1000	1000	1	200	199991	0
	3	3.47	3.45	3.49	1255	1255	1	200	250946	0
	4	3.68	3.66	3.70	1545	1545	1	200	309019	0
	5	3.74	3.72	3.76	1061	1061	1	200	212269	0
	6	3.93	3.91	3.95	732	732	1	200	146452	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1628301

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.14	3.12	3.16	1772	1772	1	200	354333	0
	2	3.35	3.33	3.37	1658	1658	1	200	331597	0
	3	3.47	3.45	3.49	1995	1995	1	200	398911	0
	4	3.68	3.66	3.70	2562	2562	1	200	512311	0
	5	3.74	3.72	3.76	1772	1772	1	200	354306	0
	6	3.93	3.91	3.95	1341	1341	1	200	268238	0
Aroclor-1248	1	3.74	3.72	3.76	1405	1313	1	50	70265	5
					1345		2	100	134522	
					1313		3	201	263946	
					1265		4	502	634784	
					1239		5	1003	1242446	
	2	3.80	3.78	3.82	2486	2264	1	50	124322	7
					2360		2	100	236028	
					2200		3	201	442230	
					2153		4	502	1080709	
					2121		5	1003	2127791	
	3	3.93	3.91	3.95	2615	2542	1	50	130726	4
					2688		2	100	268800	
					2432		3	201	488930	
					2500		4	502	1254921	
					2474		5	1003	2481207	
	4	4.01	3.99	4.03	2175	2102	1	50	108749	4
					2203		2	100	220345	
					2066		3	201	415222	
					2022		4	502	1014987	
					2043		5	1003	2049540	
	5	4.19	4.17	4.21	2322	2261	1	50	116078	5
					2336		2	100	233551	
					2073		3	201	416703	
					2229		4	502	1118932	
					2346		5	1003	2352568	
	6	4.58	4.56	4.60	1894	1767	1	50	94679	5
					1842		2	100	184211	
					1686		3	201	338955	
					1717		4	502	861686	
					1695		5	1003	1699933	

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1628301

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.17	4.15	4.19	2907	2669	1	50	145350	6
					2691		2	101	271791	
					2507		3	252	631851	
					2651		4	503	1333627	
					2589		5	1006	2604294	
	2	4.52	4.50	4.54	2844	2741	1	50	142192	4
					2707		2	101	273384	
					2567		3	252	646968	
					2744		4	503	1380468	
					2840		5	1006	2857148	
	3	4.58	4.56	4.60	5999	5722	1	50	299962	5
					5559		2	101	561421	
					5358		3	252	1350116	
					5749		4	503	2891740	
					5945		5	1006	5980690	
	4	4.70	4.68	4.72	2081	1828	1	50	104069	10
					1933		2	101	195204	
					1717		3	252	432681	
					1748		4	503	879420	
					1661		5	1006	1670982	
	5	4.79	4.77	4.81	4172	3925	1	50	208590	5
					3903		2	101	394219	
					3648		3	252	919238	
					3945		4	503	1984526	
					3955		5	1006	3978627	
	6	4.99	4.97	5.01	3192	3177	1	50	159589	3
					3078		2	101	310895	
					3067		3	252	772805	
					3270		4	503	1644955	
					3280		5	1006	3299834	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1628301

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.70	4.68	4.72	4866	4429	1	50.4	245268	6
					4423		2	101	446773	
					4254		3	202	859388	
					4272		4	504	2153250	
					4328		5	1008	4362658	
	2	4.99	4.97	5.01	2562	2542	1	50.4	129127	2
					2604		2	101	263001	
					2500		3	202	505054	
					2464		4	504	1241889	
					2580		5	1008	2601094	
	3	5.17	5.15	5.19	3297	3163	1	50.4	166162	3
					3194		2	101	322595	
					3152		3	202	636763	
					3084		4	504	1554368	
					3087		5	1008	3111626	
	4	5.33	5.31	5.35	4076	4079	1	50.4	205453	2
					4029		2	101	406944	
					4005		3	202	808985	
					4140		4	504	2086453	
					4146		5	1008	4179015	
	5	5.57	5.55	5.59	9452	9843	1	50.4	476384	3
					9629		2	101	972537	
					9908		3	202	2001432	
					9904		4	504	4991810	
					10319		5	1008	10401800	
	6	5.78	5.76	5.80	5571	5691	1	50.4	280760	4
					5360		2	101	541320	
					5692		3	202	1149689	
					5817		4	504	2931973	
					6018		5	1008	6066430	
Aroclor-1262	1	5.17	5.15	5.19	6167	6167	1	200	1233427	0
	2	5.33	5.31	5.35	5732	5732	1	200	1146354	0
	3	5.57	5.55	5.59	13915	13915	1	200	2782944	0
	4	5.78	5.76	5.80	8117	8117	1	200	1623438	0
	5	5.83	5.81	5.85	4256	4256	1	200	851293	0
	6	6.20	6.18	6.22	5399	5399	1	200	1079759	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1628301

GC Column (1) : ZB MR1 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.77	5.75	5.79	270	270	1	200	54013	0
	2	5.83	5.81	5.85	24	24	1	200	4763	0
	3	5.96	5.94	5.98	935	935	1	200	187099	0
	4	6.03	6.01	6.05	545	545	1	200	108930	0
	5	6.20	6.18	6.22	5254	5254	1	200	1050714	0
	6	6.40	6.38	6.42	13336	13336	1	200	2667193	0

File Name: V:\CP7\07pcbs1628301.CAL
Version: 7

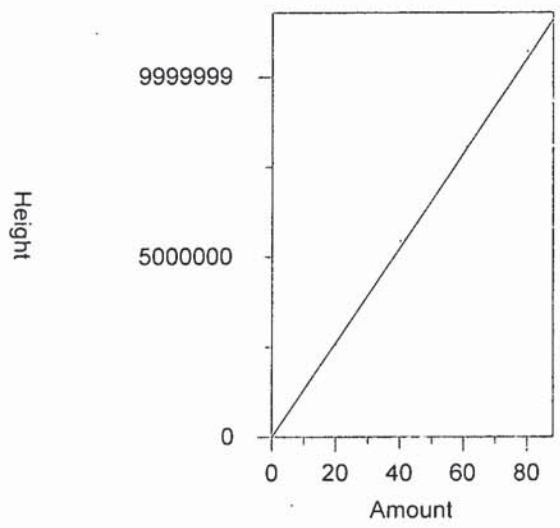
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.88 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

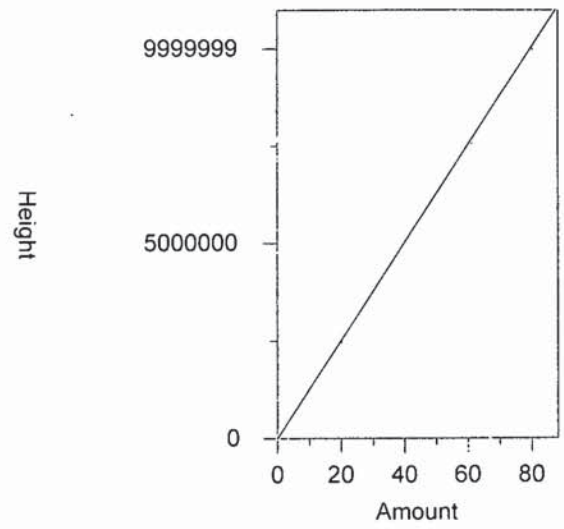
Single peak quantification by height

Y = 131348.1 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9988188
Average error: 2.539%
Average CF: 131348.1
RSD: 3.124%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	504905.2	125974.4	-4.091	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.000
2	20.04	2572828	128384.6	-2.256	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.000
3	40.08	5456598	136142.7	3.650	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.000
4	60.92	8080929	132648.2	0.990	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.001
5	80.16	1.070861E+07	133590.4	1.707	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.001

2 DCB



Expected retention time:	6.546 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 = 125670.7 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9996348
Average error:	1.828%
Average CF:	125670.7
RSD:	2.611%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	525569.8	131130.2	4.344	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.00
2	20.04	2456516	122580.6	-2.459	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.00
3	40.08	5048193	125952.9	0.225	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.00
4	60.92	7560678	124108.3	-1.243	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.00
5	80.16	9986444	124581.4	-0.867	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001.00

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1628301B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Update File:

Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.53	2.53	2.53	2.53	2.53	2.53	2.50	2.56
Decachlorobiphenyl	6.00	6.00	6.00	6.00	6.00	6.00	5.97	6.03

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1628301B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	3.94E+05	3.96E+05	4.21E+05	4.18E+05	4.31E+05	4.12E+05	4
Decachlorobiphenyl	2.93E+05	2.46E+05	2.69E+05	2.65E+05	2.70E+05	2.69E+05	6

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1628301B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.82	2.80	2.84	7600	6817	1	50.5	383776	9
					7177		2	101	724888	
					6853		3	202	1384340	
					6339		4	505	3201296	
					6114		5	1010	6175262	
	2	3.15	3.13	3.17	9147	8222	1	50.5	461915	9
					8599		2	101	868470	
					8307		3	202	1677920	
					7726		4	505	3901787	
					7329		5	1010	7402536	
	3	3.34	3.32	3.36	9273	8337	1	50.5	468270	7
					8471		2	101	855567	
					8121		3	202	1640508	
					7879		4	505	3979040	
					7940		5	1010	8018976	
	4	3.41	3.39	3.43	9092	8797	1	50.5	459143	3
					8949		2	101	903853	
					8837		3	202	1785107	
					8502		4	505	4293540	
					8603		5	1010	8688766	
	5	3.57	3.55	3.59	7539	7046	1	50.5	380720	5
					7324		2	101	739702	
					6845		3	202	1382760	
					6807		4	505	3437579	
					6714		5	1010	6781430	
	6	3.66	3.64	3.68	6304	6029	1	50.5	318334	3
					6113		2	101	617396	
					6028		3	202	1217725	
					5791		4	505	2924428	
					5910		5	1010	5968840	
Aroclor-1221	1	2.71	2.69	2.73	4148	4148	1	200	829521	0
	2	2.77	2.75	2.79	2410	2410	1	200	482099	0
	3	2.82	2.80	2.84	9911	9911	1	200	1982154	0
Aroclor-1232	1	2.82	2.80	2.84	8169	8169	1	200	1633727	0
	2	3.15	3.13	3.17	4229	4229	1	200	845895	0
	3	3.34	3.32	3.36	4380	4380	1	200	876016	0
	4	3.41	3.39	3.43	3947	3947	1	200	789415	0
	5	3.57	3.55	3.59	2934	2934	1	200	586759	0
	6	3.66	3.64	3.68	2790	2790	1	200	558036	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1628301B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	2.82	2.80	2.84	5716	5716	1	200	1143190	0
	2	3.15	3.13	3.17	6605	6605	1	200	1320995	0
	3	3.34	3.32	3.36	6833	6833	1	200	1366676	0
	4	3.41	3.39	3.43	6642	6642	1	200	1328376	0
	5	3.60	3.58	3.62	2097	2097	1	200	419317	0
	6	3.66	3.64	3.68	4785	4785	1	200	957015	0
Aroclor-1248	1	3.45	3.43	3.47	9067	8232	1	50	453328	8
					8744		2	100	874359	
					7880		3	201	1583977	
					7818		4	502	3924628	
					7649		5	1003	7672136	
	2	3.57	3.55	3.59	10446	9645	1	50	522301	5
					9859		2	100	985884	
					9454		3	201	1900249	
					9270		4	502	4653767	
					9195		5	1003	9222997	
	3	3.66	3.64	3.68	7753	7126	1	50	387661	6
					7307		2	100	730685	
					6893		3	201	1385483	
					6934		4	502	3480868	
					6743		5	1003	6762730	
	4	3.79	3.77	3.81	13524	13201	1	50	676210	3
					13256		2	100	1325647	
					12604		3	201	2533416	
					13302		4	502	6677411	
					13320		5	1003	13360220	
	5	4.14	4.12	4.16	6781	6299	1	50	339026	5
					6479		2	100	647938	
					6088		3	201	1223696	
					6133		4	502	3078872	
					6014		5	1003	6031748	
	6	4.30	4.28	4.32	3937	3676	1	50	196843	5
					3803		2	100	380282	
					3454		3	201	694313	
					3601		4	502	1807794	
					3583		5	1003	3593372	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1628301B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.08	4.06	4.10	11750	10940	1	50	587483	5
					10693		2	101	1079968	
					10500		3	252	2645973	
					11053		4	503	5559893	
					10702		5	1006	10766580	
	2	4.14	4.12	4.16	19774	19241	1	50	988679	2
					18846		2	101	1903400	
					18903		3	252	4763606	
					19222		4	503	9668665	
					19461		5	1006	19577900	
	3	4.23	4.21	4.25	10180	9473	1	50	509012	5
					9650		2	101	974670	
					9051		3	252	2280758	
					9358		4	503	4707145	
					9127		5	1006	9181730	
	4	4.30	4.28	4.32	11086	11457	1	50	554299	6
					10919		2	101	1102795	
					10939		3	252	2756535	
					12236		4	503	6154574	
					12105		5	1006	12177250	
	5	4.37	4.35	4.39	7899	7087	1	50	394935	9
					7432		2	101	750637	
					6571		3	252	1655974	
					7101		4	503	3571591	
					6433		5	1006	6471234	
	6	4.51	4.49	4.53	7793	8070	1	50	389625	7
					7684		2	101	776080	
					7509		3	252	1892248	
					8501		4	503	4275820	
					8864		5	1006	8917364	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1628301B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.23	4.21	4.25	15775	15291	1	50.4	795039	2
					15006		2	101	1515622	
					14946		3	202	3019158	
					15159		4	504	7640141	
					15568		5	1008	15692860	
	2	4.37	4.35	4.39	17502	16943	1	50.4	882096	2
					17001		2	101	1717084	
					17005		3	202	3434988	
					16447		4	504	8289421	
					16759		5	1008	16893000	
	3	4.47	4.45	4.49	13032	13197	1	50.4	656799	2
					13093		2	101	1322365	
					13177		3	202	2661712	
					12963		4	504	6533292	
					13721		5	1008	13830410	
	4	4.81	4.79	4.83	11565	11105	1	50.4	582869	3
					11070		2	101	1118043	
					10765		3	202	2174538	
					10767		4	504	5426677	
					11360		5	1008	11451370	
	5	5.00	4.98	5.02	24254	25510	1	50.4	1222380	6
					23904		2	101	2414305	
					25255		3	202	5101468	
					26301		4	504	13255800	
					27836		5	1008	28058840	
	6	5.26	5.24	5.28	14664	15419	1	50.4	739048	3
					15237		2	101	1538963	
					15494		3	202	3129720	
					15851		4	504	7989009	
					15851		5	1008	15977960	
Aroclor-1262	1	4.62	4.60	4.64	19367	-19367	1	200	3873340	0
	2	4.80	4.78	4.82	19744	19744	1	200	3948772	0
	3	5.00	4.98	5.02	37990	37990	1	200	7598090	0
	4	5.21	5.19	5.23	14185	14185	1	200	2837047	0
	5	5.26	5.24	5.28	22094	22094	1	200	4418744	0
	6	5.64	5.62	5.66	13065	13065	1	200	2612908	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1628301B

GC Column (2) : ZB MR2 ID: 0.32 (mm) Date(s) Analyzed: 10/9/2016 10/9/2016

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.21	5.19	5.23	37314	37314	1	200	7462874	0
	2	5.26	5.24	5.28	38663	38663	1	200	7732528	0
	3	5.41	5.39	5.43	32427	32427	1	200	6485332	0
	4	5.48	5.46	5.50	8394	8394	1	200	1678862	0
	5	5.64	5.62	5.66	12645	12645	1	200	2528906	0
	6	5.84	5.82	5.86	105248	105248	1	200	21049620	0

File Name: V:\CP7\07pcbs1628301b.CAL
Version: 7

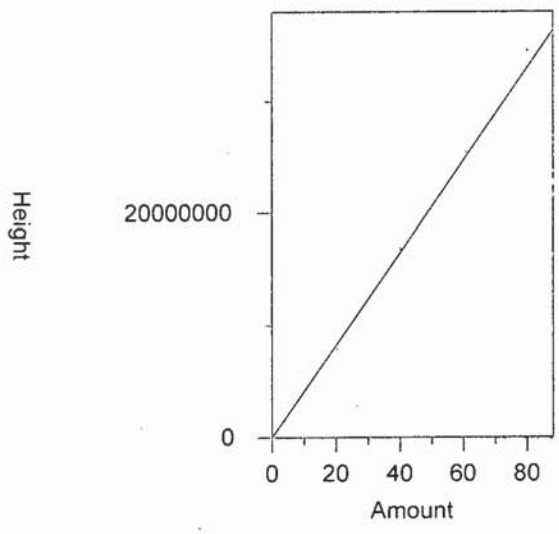
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.534 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

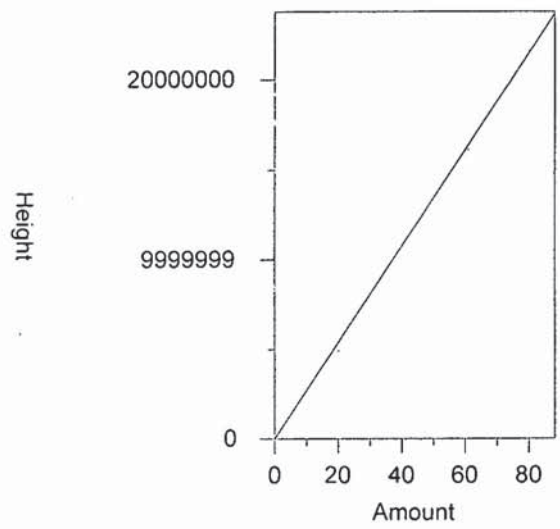
Single peak quantification by height

Y = 412033.3 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9961548
Average error: 3.278%
Average CF: 412033.3
RSD: 3.921%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	1580707	394388	-4.282	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001B.00
2	20.04	7934020	395909.2	-3.913	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001B.00
3	40.08	1.68564E+07	420568.8	2.072	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001B.00
4	60.92	2.548096E+07	418269.2	1.513	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001B.00
5	80.16	3.455146E+07	431031.2	4.611	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS16283001B.00

2 DCB



Expected retention time:	5.997 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 = 268538.9 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9990084
Average error:	3.876%
Average CF:	268538.9
RSD:	6.145%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.008	1172540	292549.9	8.941	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS162830C
2	20.04	4934969	246255.9	-8.298	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS162830C
3	40.08	1.079802E+07	269411.7	0.325	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS162830C
4	60.92	1.613151E+07	264798.3	-1.393	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS162830C
5	80.16	2.161745E+07	269678.8	0.424	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS162830C

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/09/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 18:50

Lab File ID: 07PCBS16283001.0029.RAW Initial Calibration: 07PCBS1628301

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/09/16 10/09/16

Calibration: 07PCBS1628301

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.88	2.85	2.91	41.19	40.08	3
Decachlorobiphenyl	6.54	6.52	6.58	37.91	40.08	-5
Aroclor-1016	3.14	3.12	3.16	207.44	200.40	4
	3.35	3.33	3.37			
	3.46	3.45	3.49			
	3.68	3.66	3.70			
	3.74	3.72	3.76			
	3.92	3.91	3.95			
Aroclor-1260	4.70	4.68	4.72	190.94	201.80	-5
	4.99	4.97	5.01			
	5.17	5.15	5.19			
	5.33	5.31	5.35			
	5.57	5.55	5.59			
	5.78	5.76	5.80			

Compounds 14 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/09/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 18:50

Lab File ID: 07PCBS16283001B.0029.RAW Initial Calibration: 07PCBS1628301B

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/09/16 10/09/16

Calibration: 07PCBS1628301B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	40.71	40.08	2
Decachlorobiphenyl	6.00	5.97	6.03	37.11	40.08	-7
Aroclor-1016	2.82	2.80	2.84	198.68	200.40	-1
	3.15	3.13	3.17			
	3.34	3.32	3.36			
	3.41	3.39	3.43			
	3.57	3.55	3.59			
	3.66	3.64	3.68			
Aroclor-1260	4.23	4.21	4.25	197.82	201.80	-2
	4.37	4.35	4.39			
	4.46	4.45	4.49			
	4.80	4.79	4.83			
	5.00	4.98	5.02			
	5.25	5.24	5.28			

Compounds 14 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 19843A
Date Analyzed: 10/09/16
GC Column (1) : ZB MR1 ID: .32 (mm)
Time Analyzed: 19:02
Lab File ID: 07PCBS16283001.0030.RAW
Initial Calibration: 07PCBS1628301
Lab Standard ID: IC48XAA
Init. Calib Date(s): 10/09/16 10/09/16
Calibration: 07PCBS1628301

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.88	2.85	2.91	40.95	40.08	2
Decachlorobiphenyl	6.54	6.52	6.58	38.75	40.08	-3
Aroclor-1248	3.73	3.72	3.76	206.62	200.00	3
	3.80	3.78	3.82			
	3.92	3.91	3.95			
	4.01	3.99	4.03			
	4.19	4.17	4.21			
	4.57	4.56	4.60			

Compounds 8
Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 19843B
Date Analyzed: 10/09/16
GC Column (2) : ZB MR2 ID: .32 (mm)
Time Analyzed: 19:02
Lab File ID: 07PCBS16283001B.0030.RAW
Initial Calibration: 07PCBS1628301B
Lab Standard ID: IC48XAA
Init. Calib Date(s): 10/09/16 10/09/16
Calibration: 07PCBS1628301B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	39.37	40.08	-2
Decachlorobiphenyl	6.00	5.97	6.03	36.65	40.08	-9
Aroclor-1248	3.45	3.43	3.47	212.74	200.00	6
	3.57	3.55	3.59			
	3.66	3.64	3.68			
	3.79	3.77	3.81			
	4.14	4.12	4.16			
	4.30	4.28	4.32			

Compounds 8
Average of %D: 6

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/09/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 19:13

Lab File ID: 07PCBS16283001.0031.RAW Initial Calibration: 07PCBS1628301

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/09/16 10/09/16

Calibration: 07PCBS1628301

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.88	2.85	2.91	19.84	20.04	-1
Decachlorobiphenyl	6.55	6.52	6.58	19.48	20.04	-3
Aroclor-1254	4.17	4.15	4.19	239.99	250.00	-4
	4.51	4.50	4.54			
	4.57	4.56	4.60			
	4.69	4.68	4.72			
	4.79	4.77	4.81			
	4.99	4.97	5.01			

Compounds 8 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/09/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 19:13

Lab File ID: 07PCBS16283001B.0031.RAW Initial Calibration: 07PCBS1628301B

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/09/16 10/09/16

Calibration: 07PCBS1628301B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	19.82	20.04	-1
Decachlorobiphenyl	6.00	5.97	6.03	18.90	20.04	-6
Aroclor-1254	4.08	4.06	4.10	240.18	250.00	-4
	4.14	4.12	4.16			
	4.23	4.21	4.25			
	4.30	4.28	4.32			
	4.37	4.35	4.39			
	4.51	4.49	4.53			

Compounds 8 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 19843A
Date Analyzed: 10/13/16
GC Column (1) : ZB MR1 ID: .32 (mm)
Time Analyzed: 19:21
Lab File ID: 07PCBS16283004.0041.RAW
Initial Calibration: 07PCBS1628301
Lab Standard ID: AR163PB
Init. Calib Date(s): 10/09/16 10/09/16
Calibration: 07PCBS1628301

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.88	2.85	2.91	42.14	40.08	5
Decachlorobiphenyl	6.54	6.52	6.58	43.83	40.08	9
Aroclor-1016	3.14	3.12	3.16	204.08	202.00	1
	3.35	3.33	3.37			
	3.46	3.45	3.49			
	3.68	3.66	3.70			
	3.74	3.72	3.76			
	3.92	3.91	3.95			
Aroclor-1260	4.69	4.68	4.72	215.68	201.64	7
	4.99	4.97	5.01			
	5.17	5.15	5.19			
	5.33	5.31	5.35			
	5.57	5.55	5.59			
	5.78	5.76	5.80			

Compounds 14
Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/13/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 19:21

Lab File ID: 07PCBS16283004B.0041.RAW Initial Calibration: 07PCBS1628301B

Lab Standard ID: AR163PB Init. Calib Date(s): 10/09/16 10/09/16

Calibration: 07PCBS1628301B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	41.88	40.08	5
Decachlorobiphenyl	6.00	5.97	6.03	41.41	40.08	3
Aroclor-1016	2.82	2.80	2.84	213.14	202.00	6
	3.15	3.13	3.17			
	3.34	3.32	3.36			
	3.41	3.39	3.43			
	3.57	3.55	3.59			
	3.66	3.64	3.68			
Aroclor-1260	4.23	4.21	4.25	217.39	201.64	8
	4.37	4.35	4.39			
	4.46	4.45	4.49			
	4.80	4.79	4.83			
	5.00	4.98	5.02			
	5.25	5.24	5.28			

Compounds 14 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 19843A
Date Analyzed: 10/13/16
GC Column (1) : ZB MR1
ID: .32 (mm)
Time Analyzed: 23:32
Lab File ID: 07PCBS16283004.0063.RAW
Initial Calibration: 07PCBS1628301
Lab Standard ID: AR163PC
Init. Calib Date(s): 10/09/16 10/09/16
Calibration: 07PCBS1628301

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.88	2.85	2.91	41.30	40.08	3
Decachlorobiphenyl	6.54	6.52	6.58	43.91	40.08	10
Aroclor-1016	3.14	3.12	3.16	202.74	202.00	0
	3.35	3.33	3.37			
	3.46	3.45	3.49			
	3.68	3.66	3.70			
	3.73	3.72	3.76			
	3.92	3.91	3.95			
Aroclor-1260	4.69	4.68	4.72	209.13	201.64	4
	4.99	4.97	5.01			
	5.16	5.15	5.19			
	5.33	5.31	5.35			
	5.57	5.55	5.59			
	5.78	5.76	5.80			

Compounds 14
Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 19843B
Date Analyzed: 10/13/16
GC Column (2) : ZB MR2 ID: .32 (mm)
Time Analyzed: 23:32
Lab File ID: 07PCBS16283004B.0063.RAW
Initial Calibration: 07PCBS1628301B
Lab Standard ID: AR163PC
Init. Calib Date(s): 10/09/16 10/09/16
Calibration: 07PCBS1628301B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	41.32	40.08	3
Decachlorobiphenyl	5.99	5.97	6.03	42.34	40.08	6
Aroclor-1016	2.82	2.80	2.84	205.38	202.00	2
	3.15	3.13	3.17			
	3.34	3.32	3.36			
	3.41	3.39	3.43			
	3.57	3.55	3.59			
	3.66	3.64	3.68			
Aroclor-1260	4.23	4.21	4.25	215.48	201.64	7
	4.36	4.35	4.39			
	4.46	4.45	4.49			
	4.80	4.79	4.83			
	4.99	4.98	5.02			
	5.25	5.24	5.28			

Compounds 14
Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/19/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:38

Lab File ID: 07PCBS16283008.0017.RAW Initial Calibration: 07PCBS1628301

Lab Standard ID: AR163RP Init. Calib Date(s): 10/09/16 10/09/16

Calibration: 07PCBS1628301

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.88	2.85	2.91	43.35	40.08	8
Decachlorobiphenyl	6.54	6.52	6.58	44.42	40.08	11
Aroclor-1016	3.14	3.12	3.16	212.37	202.00	5
	3.35	3.33	3.37			
	3.46	3.45	3.49			
	3.68	3.66	3.70			
	3.73	3.72	3.76			
	3.92	3.91	3.95			
Aroclor-1260	4.69	4.68	4.72	227.26	201.64	13
	4.99	4.97	5.01			
	5.16	5.15	5.19			
	5.33	5.31	5.35			
	5.57	5.55	5.59			
	5.78	5.76	5.80			

Compounds 14 Average of %D: 9

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/19/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:38

Lab File ID: 07PCBS16283008B.0017.RAW Initial Calibration: 07PCBS1628301B

Lab Standard ID: AR163RP Init. Calib Date(s): 10/09/16 10/09/16

Calibration: 07PCBS1628301B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	42.92	40.08	7
Decachlorobiphenyl	6.00	5.97	6.03	44.42	40.08	11
Aroclor-1016	2.82	2.80	2.84	218.32	202.00	8
	3.15	3.13	3.17			
	3.34	3.32	3.36			
	3.41	3.39	3.43			
	3.57	3.55	3.59			
	3.66	3.64	3.68			
Aroclor-1260	4.23	4.21	4.25	226.20	201.64	12
	4.37	4.35	4.39			
	4.46	4.45	4.49			
	4.80	4.79	4.83			
	5.00	4.98	5.02			
	5.25	5.24	5.28			

Compounds 14 Average of %D: 10

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/19/16

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 3:55

Lab File ID: 07PCBS16283008.0029.RAW Initial Calibration: 07PCBS1628301

Lab Standard ID: AR163RQ Init. Calib Date(s): 10/09/16 10/09/16

Calibration: 07PCBS1628301

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.88	2.85	2.91	43.50	40.08	9
Decachlorobiphenyl	6.54	6.52	6.58	45.33	40.08	13
Aroclor-1016	3.14	3.12	3.16	213.09	202.00	5
	3.35	3.33	3.37			
	3.46	3.45	3.49			
	3.67	3.66	3.70			
	3.73	3.72	3.76			
	3.92	3.91	3.95			
Aroclor-1260	4.69	4.68	4.72	222.75	201.64	10
	4.98	4.97	5.01			
	5.16	5.15	5.19			
	5.33	5.31	5.35			
	5.57	5.55	5.59			
	5.77	5.76	5.80			

Compounds 14 Average of %D: 9

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/19/16

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 3:55

Lab File ID: 07PCBS16283008B.0029.RAW Initial Calibration: 07PCBS1628301B

Lab Standard ID: AR163RQ Init. Calib Date(s): 10/09/16 10/09/16

Calibration: 07PCBS1628301B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.53	2.50	2.56	42.13	40.08	5
Decachlorobiphenyl	5.99	5.97	6.03	44.49	40.08	11
Aroclor-1016	2.82	2.80	2.84	220.16	202.00	9
	3.15	3.13	3.17			
	3.34	3.32	3.36			
	3.41	3.39	3.43			
	3.57	3.55	3.59			
	3.66	3.64	3.68			
Aroclor-1260	4.23	4.21	4.25	229.23	201.64	14
	4.36	4.35	4.39			
	4.46	4.45	4.49			
	4.80	4.79	4.83			
	4.99	4.98	5.02			
	5.25	5.24	5.28			

Compounds 14 Average of %D: 10

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS16283001
Instrument CP 7--19843A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	07PCBS16283001.0001	CONDITIONER		10/9/16 13:30	1628299999	1.00
2855	07PCBS16283001.0002	CONDITIONER		10/9/16 13:42	1628299999	1.00
2855	07PCBS16283001.0003	CONDITIONER		10/9/16 13:53	1628299999	1.00
2855	07PCBS16283001.0004	CONDITIONER		10/9/16 14:04	1628299999	1.00
2855	07PCBS16283001.0005	IBLKX1624B	PIBLKAA	10/9/16 14:16	1628299999	10.00
2855	07PCBS16283001.0006	EVALX1624A	EVALXAA	10/9/16 14:27	1628299999	1.00
2855	07PCBS16283001.0007	AR1611624B	AR161AA	10/9/16 14:39	1628299999	1.00
2855	07PCBS16283001.0008	AR1621624B	AR162AA	10/9/16 14:50	1628299999	1.00
2855	07PCBS16283001.0009	AR1631624B	AR163AA	10/9/16 15:02	1628299999	1.00
2855	07PCBS16283001.0010	AR1641624B	AR164AA	10/9/16 15:13	1628299999	1.00
2855	07PCBS16283001.0011	AR1651624B	AR165AA	10/9/16 15:25	1628299999	1.00
2855	07PCBS16283001.0012	AR4811624B	AR481AA	10/9/16 15:36	1628299999	1.00
2855	07PCBS16283001.0013	AR4821624B	AR482AA	10/9/16 15:48	1628299999	1.00
2855	07PCBS16283001.0014	AR4831624B	AR483AA	10/9/16 15:59	1628299999	1.00
2855	07PCBS16283001.0015	AR4841624B	AR484AA	10/9/16 16:11	1628299999	1.00
2855	07PCBS16283001.0016	AR4851624B	AR485AA	10/9/16 16:22	1628299999	1.00
2855	07PCBS16283001.0017	AR5411624B	AR541AA	10/9/16 16:34	1628299999	1.00
2855	07PCBS16283001.0018	AR5421624C	AR542AA	10/9/16 16:45	1628299999	1.00
2855	07PCBS16283001.0019	AR5431624B	AR543AA	10/9/16 16:57	1628299999	1.00
2855	07PCBS16283001.0020	AR5441624B	AR544AA	10/9/16 17:08	1628299999	1.00
2855	07PCBS16283001.0021	AR5451624B	AR545AA	10/9/16 17:19	1628299999	1.00
2855	07PCBS16283001.0022	AR6231624A	AR623AA	10/9/16 17:31	1628299999	1.00
2855	07PCBS16283001.0023	AR6831624B	AR683AA	10/9/16 17:42	1628299999	1.00
2855	07PCBS16283001.0024	AR2131624A	AR213AA	10/9/16 17:53	1628299999	1.00
2855	07PCBS16283001.0025	AR3231624D	AR323AA	10/9/16 18:05	1628299999	1.00
2855	07PCBS16283001.0026	AR4231624A	AR423AA	10/9/16 18:16	1628299999	1.00
2855	07PCBS16283001.0027	AR16XX1624B	AR16XAA	10/9/16 18:27	1628299999	1.00
2855	07PCBS16283001.0028	MD16X1624B	MD16XAA	10/9/16 18:39	1628299999	1.00
2855	07PCBS16283001.0029	IC16X1624B	IC16XAA	10/9/16 18:50	1628299999	1.00
2855	07PCBS16283001.0030	IC48X1624B	IC48XAA	10/9/16 19:02	1628299999	1.00
2855	07PCBS16283001.0031	IC54X1624B	IC54XAA	10/9/16 19:13	1628299999	1.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS16283004
Instrument CP 7--19843A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS16283004.0001	CONDITIONER		10/13/16 11:44	1628699999	1.00
9065	07PCBS16283004.0002	CONDITIONER		10/13/16 11:55	1628699999	1.00
9065	07PCBS16283004.0003	CONDITIONER		10/13/16 12:07	1628699999	1.00
9065	07PCBS16283004.0004	CONDITIONER		10/13/16 12:18	1628699999	1.00
9065	07PCBS16283004.0005	AR1631624B	AR163OZ	10/13/16 12:30	1628699999	1.00
9065	07PCBS16283004.0006	IBLKX1624B	PIBLKFX	10/13/16 12:41	1628699999	10.00
9065	07PCBS16283004.0007	BLANKA 10/10/16 AF	PBLK02282	10/13/16 12:53	162820002A	10.00
9065	07PCBS16283004.0008	LCSA 10/10/16 AF	LCS02282	10/13/16 13:04	162820002A	10.00
9065	07PCBS16283004.0009	LCSDA 10/10/16 AF	LCSD02282	10/13/16 13:16	162820002A	10.00
9065	07PCBS16283004.0010	8629132AF	37411	10/13/16 13:27	162820002A	10.00
9065	07PCBS16283004.0011	8629133AF	37412	10/13/16 13:39	162820002A	10.00
9065	07PCBS16283004.0012	8629134AF	37413	10/13/16 13:50	162820002A	10.00
9065	07PCBS16283004.0013	BLANKA 10/11/16 AF	PBLK12285	10/13/16 14:02	162850012A	10.00
9065	07PCBS16283004.0014	LCSA 10/11/16 AF	LCS12285	10/13/16 14:13	162850012A	10.00
9065	07PCBS16283004.0015	LCSDA 10/11/16 AF	LCSD12285	10/13/16 14:24	162850012A	10.00
9065	07PCBS16283004.0016	8629827AF	71071	10/13/16 14:36	162850012A	10.00
9065	07PCBS16283004.0017	8629829AF	71073	10/13/16 14:47	162850012A	10.00
9065	07PCBS16283004.0018	8632952AF	PWDDI	10/13/16 14:58	162850012A	10.00
9065	07PCBS16283004.0019	AR1631624B	AR163PA	10/13/16 15:10	1628699999	1.00
9065	07PCBS16283004.0020	IBLKX1624B	PIBLKFY	10/13/16 15:21	1628699999	10.00
9065	07PCBS16283004.0021	BLANKA 10/11/16 AF	PBLK28285	10/13/16 15:33	162850028A	2.00
9065	07PCBS16283004.0022	LCSA 10/11/16 AF	LCS28285	10/13/16 15:44	162850028A	2.00
9065	07PCBS16283004.0023	LCSDA 10/11/16 AF	LCSD28285	10/13/16 15:56	162850028A	2.00
9065	07PCBS16283004.0024	8621413RAF	CSW05	10/13/16 16:07	162850028A	2.00
9065	07PCBS16283004.0025	8621414RAF	CSW06	10/13/16 16:18	162850028A	2.00
9065	07PCBS16283004.0026	8621424RAF	CSW09	10/13/16 16:30	162850028A	2.00
9065	07PCBS16283004.0027	8621608AF	SSW01	10/13/16 16:41	162850028A	2.00
9065	07PCBS16283004.0028	8621608AF DF5	SSW01	10/13/16 16:53	162850028A	10.00
9065	07PCBS16283004.0029	8621608AF DF10	SSW01	10/13/16 17:04	162850028A	20.00
9065	07PCBS16283004.0030	8621609AF	SSW02	10/13/16 17:15	162850028A	2.00
9065	07PCBS16283004.0031	8621610AF	SSW03	10/13/16 17:27	162850028A	2.00
9065	07PCBS16283004.0032	8621611AF	SSW04	10/13/16 17:38	162850028A	2.00
9065	07PCBS16283004.0033	8621612AF	SSW05	10/13/16 17:50	162850028A	2.00
9065	07PCBS16283004.0034	8621613AF	SSW06	10/13/16 18:01	162850028A	2.00
9065	07PCBS16283004.0035	8621620AF	SSW07	10/13/16 18:12	162850028A	2.00
9065	07PCBS16283004.0036	8621621AF	SSW08	10/13/16 18:24	162850028A	2.00
9065	07PCBS16283004.0037	8621622AF	SSW09	10/13/16 18:35	162850028A	2.00
9065	07PCBS16283004.0038	8621623AF	SSW10	10/13/16 18:47	162850028A	2.00
9065	07PCBS16283004.0039	8621624AF	SSW11	10/13/16 18:58	162850028A	2.00
9065	07PCBS16283004.0040	8621625AF	SSW12	10/13/16 19:10	162850028A	2.00
9065	07PCBS16283004.0041	AR1631624B	AR163PB	10/13/16 19:21	1628699999	1.00
9065	07PCBS16283004.0042	IBLKX1624B	PIBLKFZ	10/13/16 19:32	1628699999	10.00
9065	07PCBS16283004.0043	8623466AF	64P02	10/13/16 19:44	162850028A	2.00
9065	07PCBS16283004.0044	8626847AF	P6502	10/13/16 19:55	162850028A	2.00
9065	07PCBS16283004.0045	8626868AF	32S03	10/13/16 20:07	162850028A	2.00
9065	07PCBS16283004.0046	BLANKA 10/12/16 ACF	PBLK22285	10/13/16 20:18	162850022A	10.00
9065	07PCBS16283004.0047	LCSA 10/12/16 ACF	LCS22285	10/13/16 20:29	162850022A	10.00
9065	07PCBS16283004.0048	8592780ACF DF20	AMW61	10/13/16 20:41	162850022A	200.00
9065	07PCBS16283004.0049	8592781ACF	AMW62	10/13/16 20:52	162850022A	10.00
9065	07PCBS16283004.0050	8592782MSACF	AMW62	10/13/16 21:04	162850022A	10.00
9065	07PCBS16283004.0051	8592783MSDACF	AMW62	10/13/16 21:15	162850022A	10.00
9065	07PCBS16283004.0052	8592784ACF	AMW63	10/13/16 21:26	162850022A	10.00
9065	07PCBS16283004.0053	8592784ACF DF5	AMW63	10/13/16 21:38	162850022A	50.00
9065	07PCBS16283004.0054	8592812ACF	AMW77	10/13/16 21:49	162850022A	10.00
9065	07PCBS16283004.0055	8592813ACF DF50	AMW78	10/13/16 22:00	162850022A	500.00
9065	07PCBS16283004.0056	8592814ACF	AMW79	10/13/16 22:12	162850022A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS16283004.0057	8592815ACF DF5	AMW80	10/13/16 22:23	162850022A	50.00
9065	07PCBS16283004.0058	8592816ACF DF10	AMW81	10/13/16 22:35	162850022A	100.00
9065	07PCBS16283004.0059	8592817ACF DF10	AMW82	10/13/16 22:46	162850022A	100.00
9065	07PCBS16283004.0060	8592817ACF DF20	AMW82	10/13/16 22:57	162850022A	200.00
9065	07PCBS16283004.0061	8592818ACF DF5	AMW83	10/13/16 23:09	162850022A	50.00
9065	07PCBS16283004.0062	8592819ACF	AMW84	10/13/16 23:20	162850022A	10.00
9065	07PCBS16283004.0063	AR1631624B	AR163PC	10/13/16 23:32	1628699999	1.00
9065	07PCBS16283004.0064	IBLKX1624B	PIBLKGA	10/13/16 23:43	1628699999	10.00
9065	07PCBS16283004.0065	8592819ACF DF5	AMW84	10/13/16 23:55	162850022A	50.00
9065	07PCBS16283004.0066	BLANKA 10/10/16 RI	PBLK03282	10/14/16 0:06	162820003A	10.00
9065	07PCBS16283004.0067	LCSA 10/10/16 RI	LCS03282	10/14/16 0:17	162820003A	10.00
9065	07PCBS16283004.0068	8629944ACF	KT401	10/14/16 0:29	162820003A	10.00
9065	07PCBS16283004.0069	8629945ACF DF10	KT402	10/14/16 0:40	162820003A	100.00
9065	07PCBS16283004.0070	8629946ACF	KT403	10/14/16 0:52	162820003A	10.00
9065	07PCBS16283004.0071	8629947ACF	KT404	10/14/16 1:03	162820003A	10.00
9065	07PCBS16283004.0072	8629947ACF DF5	KT404	10/14/16 1:15	162820003A	50.00
9065	07PCBS16283004.0073	8629948ACF DF100	KT405	10/14/16 1:26	162820003A	1,000.00
9065	07PCBS16283004.0074	8629949ACF DF100	KT406	10/14/16 1:37	162820003A	1,000.00
9065	07PCBS16283004.0075	8629950ACF DF100	KT407	10/14/16 1:49	162820003A	1,000.00
9065	07PCBS16283004.0076	8629951ACF DF100	KT408	10/14/16 2:00	162820003A	1,000.00
9065	07PCBS16283004.0077	8629952ACF DF100	KT409	10/14/16 2:12	162820003A	1,000.00
9065	07PCBS16283004.0078	8629953ACF	KT410	10/14/16 2:23	162820003A	10.00
9065	07PCBS16283004.0079	8629953ACF DF5	KT410	10/14/16 2:34	162820003A	50.00
9065	07PCBS16283004.0080	8629954ACF	KT411	10/14/16 2:46	162820003A	10.00
9065	07PCBS16283004.0081	8629954ACF DF5	KT411	10/14/16 2:57	162820003A	50.00
9065	07PCBS16283004.0082	8629955ACF DF5	KT412	10/14/16 3:09	162820003A	50.00
9065	07PCBS16283004.0083	8629956ACF	KT413	10/14/16 3:20	162820003A	10.00
9065	07PCBS16283004.0084	8629957ACF	KT414	10/14/16 3:32	162820003A	10.00
9065	07PCBS16283004.0085	AR1631624B	AR163PD	10/14/16 3:43	1628699999	1.00
9065	07PCBS16283004.0086	IBLKX1624B	PIBLKGB	10/14/16 3:55	1628699999	10.00
9065	07PCBS16283004.0087	8629957ACF DF5	KT414	10/14/16 4:06	162820003A	50.00
9065	07PCBS16283004.0088	8629958ACF DF100	KT415	10/14/16 4:17	162820003A	1,000.00
9065	07PCBS16283004.0089	8629959ACF DF5	KT416	10/14/16 4:29	162820003A	50.00
9065	07PCBS16283004.0090	8629960ACF DF5	KT417	10/14/16 4:40	162820003A	50.00
9065	07PCBS16283004.0091	8629961ACF DF100	KT418	10/14/16 4:51	162820003A	1,000.00
9065	07PCBS16283004.0092	8629962ACF	KT419	10/14/16 5:03	162820003A	10.00
9065	07PCBS16283004.0093	AR1631624B	AR163PE	10/14/16 5:14	1628699999	1.00
9065	07PCBS16283004.0094	IBLKX1624B	PIBLKGC	10/14/16 5:26	1628699999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS16283008
Instrument CP 7--19843A

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

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	07PCBS16283008.0001	CONDITIONER		10/18/16 22:35	1629199999	1.00
2855	07PCBS16283008.0002	CONDITIONER		10/18/16 22:46	1629199999	1.00
2855	07PCBS16283008.0003	CONDITIONER		10/18/16 22:57	1629199999	1.00
2855	07PCBS16283008.0004	CONDITIONER		10/18/16 23:09	1629199999	1.00
2855	07PCBS16283008.0005	AR1631624B	AR163RO	10/18/16 23:20	1629199999	1.00
2855	07PCBS16283008.0006	IBLKX1624B	PIBLKJS	10/18/16 23:32	1629199999	10.00
2855	07PCBS16283008.0007	BLANKA 10/11/16 CA	PBLK28285	10/18/16 23:43	162850028A	2.00
2855	07PCBS16283008.0008	LCSA 10/11/16 CA	FLCS28285	10/18/16 23:55	162850028A	2.00
2855	07PCBS16283008.0009	LCSDA 10/11/16 CA	LCSD28285	10/19/16 0:06	162850028A	2.00
2855	07PCBS16283008.0010	8621413RCAF	CSW05	10/19/16 0:18	162850028A	2.00
2855	07PCBS16283008.0011	8621414RCAF	CSW06	10/19/16 0:29	162850028A	2.00
2855	07PCBS16283008.0012	8621424RCAF	CSW09	10/19/16 0:41	162850028A	2.00
2855	07PCBS16283008.0013	8621608CAF	SSW01	10/19/16 0:52	162850028A	2.00
2855	07PCBS16283008.0014	8621613CAF	SSW06	10/19/16 1:04	162850028A	2.00
2855	07PCBS16283008.0015	8621620CAF	SSW07	10/19/16 1:15	162850028A	2.00
2855	07PCBS16283008.0016	8621623CAF	SSW10	10/19/16 1:27	162850028A	2.00
2855	07PCBS16283008.0017	AR1631624B	AR163RP	10/19/16 1:38	1629199999	1.00
2855	07PCBS16283008.0018	IBLKX1624B	PIBLKJT	10/19/16 1:50	1629199999	10.00
2855	07PCBS16283008.0019	8592781ACF DF5	AMW62	10/19/16 2:01	162850022A	50.00
2855	07PCBS16283008.0020	8592781ACF DF10	AMW62	10/19/16 2:13	162850022A	100.00
2855	07PCBS16283008.0021	8592782MSACF DF5	AMW62	10/19/16 2:24	162850022A	50.00
2855	07PCBS16283008.0022	8592782MSACF DF1	AMW62	10/19/16 2:35	162850022A	100.00
2855	07PCBS16283008.0023	8592783MSDACF DF	AMW62	10/19/16 2:47	162850022A	50.00
2855	07PCBS16283008.0024	8592783MSDACF DF	AMW62	10/19/16 2:58	162850022A	100.00
2855	07PCBS16283008.0025	8592784ACF DF10	AMW63	10/19/16 3:10	162850022A	100.00
2855	07PCBS16283008.0026	8592784ACF DF20	AMW63	10/19/16 3:21	162850022A	200.00
2855	07PCBS16283008.0027	8592813ACF	AMW78	10/19/16 3:32	162850022A	10.00
2855	07PCBS16283008.0028	8592813ACF DF5	AMW78	10/19/16 3:44	162850022A	50.00
2855	07PCBS16283008.0029	AR1631624B	AR163RQ	10/19/16 3:55	1629199999	1.00
2855	07PCBS16283008.0030	IBLKX1624B	PIBLKJU	10/19/16 4:06	1629199999	10.00
2855	07PCBS16283008.0031	8592813ACF DF10	AMW78	10/19/16 4:18	162850022A	100.00
2855	07PCBS16283008.0032	8592815ACF DF10	AMW80	10/19/16 4:29	162850022A	100.00
2855	07PCBS16283008.0033	8592815ACF DF20	AMW80	10/19/16 4:41	162850022A	200.00
2855	07PCBS16283008.0034	8592816ACF	AMW81	10/19/16 4:52	162850022A	10.00
2855	07PCBS16283008.0035	BLANKA 10/18/16 AC	PBLK31291	10/19/16 5:03	162910031A	10.00
2855	07PCBS16283008.0036	LCSA 10/18/16 AC	FLCS31291	10/19/16 5:15	162910031A	10.00
2855	07PCBS16283008.0037	AR1631624B	AR163RR	10/19/16 5:26	1629199999	1.00
2855	07PCBS16283008.0038	IBLKX1624B	PIBLKJV	10/19/16 5:38	1629199999	10.00
2855	07PCBS16283008.0039	8640672ACF	KTT10	10/19/16 5:49	162910031A	10.00
2855	07PCBS16283008.0040	8640673ACF DF5	KT-11	10/19/16 6:00	162910031A	50.00
2855	07PCBS16283008.0041	8640674ACF DF5	KT-12	10/19/16 6:12	162910031A	50.00
2855	07PCBS16283008.0042	8640675ACF	KT-13	10/19/16 6:23	162910031A	10.00
2855	07PCBS16283008.0043	8640676ACF	KT-14	10/19/16 6:35	162910031A	10.00
2855	07PCBS16283008.0044	8640677ACF	KT-15	10/19/16 6:46	162910031A	10.00
2855	07PCBS16283008.0045	8640677ACF DF5	KT-15	10/19/16 6:57	162910031A	50.00
2855	07PCBS16283008.0046	8640678ACF DF5	KT-16	10/19/16 7:09	162910031A	50.00
2855	07PCBS16283008.0047	8640678MSACF DF5	KT-16MS	10/19/16 7:20	162910031A	50.00
2855	07PCBS16283008.0048	8640678MSDACF DF	KT-16MSD	10/19/16 7:32	162910031A	50.00
2855	07PCBS16283008.0049	8640679ACF	KT-17	10/19/16 7:43	162910031A	10.00
2855	07PCBS16283008.0050	8640679ACF DF5	KT-17	10/19/16 7:55	162910031A	50.00
2855	07PCBS16283008.0051	8640680ACF DF10	KT-18	10/19/16 8:06	162910031A	100.00
2855	07PCBS16283008.0052	8640680ACF DF20	KT-18	10/19/16 8:18	162910031A	200.00
2855	07PCBS16283008.0053	8640681ACF DF5	KT-19	10/19/16 8:29	162910031A	50.00
2855	07PCBS16283008.0054	8640682ACF	KT-20	10/19/16 8:40	162910031A	10.00
2855	07PCBS16283008.0055	8640683ACF	KT-21	10/19/16 8:52	162910031A	10.00
2855	07PCBS16283008.0056	8640684ACF	KT-22	10/19/16 9:03	162910031A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	07PCBS16283008.0057	8640685ACF DF5	KT-23	10/19/16 9:15	162910031A	50.00
2855	07PCBS16283008.0058	8640686ACF	KT-24	10/19/16 9:26	162910031A	10.00
2855	07PCBS16283008.0059	AR1631624B	AR163RS	10/19/16 9:38	1629199999	1.00
2855	07PCBS16283008.0060	IBLKX1624B	PIBLKJW	10/19/16 9:49	1629199999	10.00
2855	07PCBS16283008.0061	8640687ACF	KT-25	10/19/16 10:01	162910031A	10.00
2855	07PCBS16283008.0062	8640687ACF DF5	KT-25	10/19/16 10:12	162910031A	50.00
2855	07PCBS16283008.0063	8640688ACF DF50	KT-26	10/19/16 10:24	162910031A	500.00
2855	07PCBS16283008.0064	8640689ACF DF5	KT-27	10/19/16 10:35	162910031A	50.00
2855	07PCBS16283008.0065	8640690ACF	KT-28	10/19/16 10:46	162910031A	10.00
2855	07PCBS16283008.0066	8640691ACF	KT-29	10/19/16 10:58	162910031A	10.00
2855	07PCBS16283008.0067	AR1631624B	AR163RT	10/19/16 11:09	1629199999	1.00
2855	07PCBS16283008.0068	IBLKX1624B	PIBLKJX	10/19/16 11:21	1629199999	10.00
2855	07PCBS16283008.0069	AR4831624B	AA	10/19/16 11:32	1629199999	1.00
2855	07PCBS16283008.0070	AR5431624B	AA	10/19/16 11:44	1629199999	1.00
2855	07PCBS16283008.0071	BLANKA 10/18/16 ACF	PBLK32291	10/19/16 11:55	162910032A	10.00
2855	07PCBS16283008.0072	LCSA 10/18/16 ACF	LCS32291	10/19/16 12:07	162910032A	10.00
2855	07PCBS16283008.0073	AR1631624B	AR163RU	10/19/16 12:18	1629199999	1.00
2855	07PCBS16283008.0074	IBLKX1624B	PIBLKJY	10/19/16 12:29	1629199999	10.00
2855	07PCBS16283008.0075	8642965ACF DF5	HCK01	10/19/16 12:41	162910032A	50.00
2855	07PCBS16283008.0076	8642966ACF	HCK02	10/19/16 12:52	162910032A	10.00
2855	07PCBS16283008.0077	8642966MSACF	HCK02MS	10/19/16 13:04	162910032A	10.00
2855	07PCBS16283008.0078	8642966MSDACF	HCK02MSD	10/19/16 13:15	162910032A	10.00
2855	07PCBS16283008.0079	8642967ACF	HCK03	10/19/16 13:27	162910032A	10.00
2855	07PCBS16283008.0080	8642967ACF DF5	HCK03	10/19/16 13:38	162910032A	50.00
2855	07PCBS16283008.0081	8642968ACF	HCK04	10/19/16 13:50	162910032A	10.00
2855	07PCBS16283008.0082	8642968ACF DF5	HCK04	10/19/16 14:01	162910032A	50.00
2855	07PCBS16283008.0083	8642969ACF	HCK05	10/19/16 14:13	162910032A	10.00
2855	07PCBS16283008.0084	8642970ACF	HCK06	10/19/16 14:24	162910032A	10.00
2855	07PCBS16283008.0085	8642971ACF	HCK07	10/19/16 14:36	162910032A	10.00
2855	07PCBS16283008.0086	8642972ACF	HCK08	10/19/16 14:47	162910032A	10.00
2855	07PCBS16283008.0087	8642973ACF	HCK09	10/19/16 14:58	162910032A	10.00
2855	07PCBS16283008.0088	AR1631624B	AR163RV	10/19/16 15:10	1629199999	1.00
2855	07PCBS16283008.0089	IBLKX1624B	PIBLKJZ	10/19/16 15:21	1629199999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATD81

Fraction: Polychlorinated Biphenyls (PCBs)

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

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 8592780 ACF DF20 AMW61 Sample ID: AC **Batchnumber: 162850022A**
Sample Amount: 10.08 g Total Volume: 200 ml Analyst: 9065 SDG: ATD81 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Oct 13, 2016 20:41:11
Instrument	19843A
Result file	07PCBS16283004.0048.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

%SSR(TCX) 88% (46 - 148) Conc: 25.60501
%SSR(DCB) 119% (49 - 139) Conc: 34.59316

Analysis Report (B)

Injected on	Oct 13, 2016 20:41:11
Instrument	19843B
Result file	07PCBS16283004B.0048.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

%SSR(TCX) 89% (46 - 148) Conc: 25.94781
%SSR(DCB) 125% (49 - 139) Conc: 36.41425

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.85	2.88	2.91	169504	25.60501
Decachlorobiphenyl	6.52	6.54	6.58	219106	34.59316

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	538845	25.94781
Decachlorobiphenyl	5.97	5.99	6.03	492844	36.41425

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
✓	Tetrachloro-m-xylene	B	25.94781				1.33	
✓	Decachlorobiphenyl	B	36.41425				5.13	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.41**	
4.68	4.69	4.72	301294.5	1349.774952			1
4.97	4.99	5.01	283577.3	2213.28909			2
5.15	5.16	5.19	288761.7	1811.477312			3
5.31	5.33	5.35	373835	1818.327477			4
5.55	5.57	5.59	1021178	2058.554532			5
5.76	5.78	5.80	604093.9	2105.948752			6

Height summation: **2872740.4**
Concentration CF: **1892.895353** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.51**	
4.21	4.23	4.25	1133474	1470.782968			1
4.35	4.36	4.39	1553149	1818.856027			2
4.45	4.46	4.48	981065.9	1475.006595			3
4.79	4.80	4.82	982293.6	1754.987171			4
4.98	5.00	5.02	2569319	1998.379679			5
5.24	5.25	5.28	1730430	2226.672855			6

Height summation: **8949731.5**
Concentration CF: **1790.780883** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<1011.9048	<196.4286			4	
✓	PCB-1221			<1011.9048	<303.5714			3	
✓	PCB-1232			<1011.9048	<244.0476			4	
✓	PCB-1242			<1011.9048	<244.0476			4	
✓	PCB-1248			<1011.9048	<196.4286			4	
✓	PCB-1254			<1011.9048	<261.9048			4	
✓	PCB-1260	A	1892.895353	1011.9048	232.1429		5.54	4	

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: OCT 19 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: OCT 19 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592780** ACF DF20 AMW61 Sample ID: AC **Batchnumber: 162850022A**
Sample Amount: 10.08 g Total Volume: 200 ml Analyst: 9065 SDG: ATD81 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 13, 2016 20:41:11
Instrument : CP 7--19843A
Result file : 07PCBS16283004.0048.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 88% (46-148) Conc.: 25.60501
%SSR(DCB) : 119% (49-139) Conc.: 34.59316

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**81.99**	
3.12	3.15	3.16	1211.385	11.093673			1
3.33	3.35	3.37	2391.126	22.584542			2
3.66	3.68	3.70	3056.513	19.78203			4
3.72	3.73	3.76	4708.277	38.671032			5
3.91	3.92	3.95	7525.162	83.418857			6
Height Summation:			**18892.463**				
Amount Avg CF:			**35.110027**	Linear:			
Aroclor-1221					**1**		
3.12	3.15	3.16	1211.385	7.663719			3
Height Summation:			**1211.385**				
Amount Avg CF:			**7.663719**	Linear:			
Aroclor-1232					**5**	**98.02**	
3.12	3.15	3.16	1211.385	9.195478			1
3.33	3.35	3.37	2391.126	47.445111			2
3.66	3.68	3.70	3056.513	39.250078			4
3.72	3.73	3.76	4708.277	88.018688			5
3.91	3.92	3.95	7525.162	203.901305			6
Height Summation:			**18892.463**				
Amount Avg CF:			**77.562132**	Linear:			
Aroclor-1242					**5**	**85.38**	
3.12	3.15	3.16	1211.385	13.56657			1
3.33	3.35	3.37	2391.126	28.61484			2
3.66	3.68	3.70	3056.513	23.675111			4
3.72	3.73	3.76	4708.277	52.733058			5
3.91	3.92	3.95	7525.162	111.325591			6
Height Summation:			**18892.463**				
Amount Avg CF:			**45.983034**	Linear:			
Aroclor-1248					**6**	**180.09**	
3.72	3.73	3.76	4708.277	71.127818			1
3.78	3.80	3.82	9064.046	79.427855			2
3.91	3.92	3.95	7525.162	58.743036			3
3.99	4.01	4.03	9947.114	93.897538			4
4.17	4.19	4.21	21560.36	189.206686			5
4.56	4.57	4.60	153493.6	1723.861804			6
Height Summation:			**206298.559**				
Amount Avg CF:			**369.377456**	Linear:			
Aroclor-1254					**6**	**104.30**	
4.15	4.17	4.19	44694.88	332.249194			1
+ 4.15	4.19	4.19	21560.36	160.273665			1
4.50	4.51	4.53	24895.09	180.240613			2
4.56	4.57	4.60	153493.6	532.255164			3
4.68	4.69	4.72	301294.5	3270.116672			4
4.77	4.79	4.81	146301.6	739.644472			5
4.97	4.99	5.01	283577.3	1770.789561			6
Height Summation:			**954256.97**				
Amount Avg CF:			**1137.54928**	Linear:			

Analysis Report (B)

Injected on : Oct 13, 2016 20:41:11
Instrument : CP 7--19843B
Result file : 07PCBS16283004B.0048.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 89% (46-148) Conc.: 25.94781
%SSR(DCB) : 125% (49-139) Conc.: 36.41425

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**72.09**	
2.80	2.83	2.84	16124.21	46.933024			1
3.13	3.15	3.17	10360.58	25.003515			2
3.32	3.34	3.36	5949.152	14.158816			3
3.39	3.41	3.43	14151.9	31.920519			4
3.55	3.57	3.59	28808.48	81.124713			5
+ 3.64	3.64	3.68	6211.723	20.442263			6
3.64	3.66	3.68	33827.32	111.322893			6
Height Summation:			**109221.642**				
Amount Avg CF:			**51.743913**	Linear:			
Aroclor-1221					**2**	**40.22**	
2.69	2.71	2.73	3759.818	17.986178			1
2.80	2.83	2.84	16124.21	32.280519			3
Height Summation:			**19884.028**				
Amount Avg CF:			**25.133349**	Linear:			
Aroclor-1232					**6**	**87.65**	
2.80	2.83	2.84	16124.21	39.165026			1
3.13	3.15	3.17	10360.58	48.603447			2
3.32	3.34	3.36	5949.152	26.94899			3
3.39	3.41	3.43	14151.9	71.139177			4
3.55	3.57	3.59	28808.48	194.83189			5
+ 3.64	3.64	3.68	6211.723	44.17223			6
3.64	3.66	3.68	33827.32	240.549708			6
Height Summation:			**109221.642**				
Amount Avg CF:			**103.539706**	Linear:			
Aroclor-1242					**6**	**74.85**	
2.80	2.83	2.84	16124.21	55.970539			1
3.13	3.15	3.17	10360.58	31.123065			2
3.32	3.34	3.36	5949.152	17.273843			3
3.39	3.41	3.43	14151.9	42.275932			4
+ 3.58	3.59	3.62	12946.45	122.520197			5
3.58	3.61	3.62	13198.89	124.909192			5
+ 3.64	3.64	3.68	6211.723	25.756853			6
3.64	3.66	3.68	33827.32	140.264674			6
Height Summation:			**93612.052**				
Amount Avg CF:			**68.636207**	Linear:			
Aroclor-1248					**6**	**127.66**	
3.43	3.45	3.47	36376.72	87.682071			1
3.55	3.57	3.59	28808.48	59.263909			2
+ 3.64	3.64	3.68	6211.723	17.295835			3
3.64	3.66	3.68	33827.32	94.188321			3
3.77	3.79	3.81	278543.8	418.644675			4
4.12	4.14	4.16	338501.8	1066.254306			5
+ 4.12	4.15	4.16	200337.7	631.048152			5
4.28	4.30	4.32	390674.5	2108.926591			6
Height Summation:			**1106732.62**				
Amount Avg CF:			**639.159979**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592780** ACF DF20 AMW61 Sample ID: AC **Batchnumber: 162850022A**
Sample Amount: 10.08 g Total Volume: 200 ml Analyst: 9065 SDG: ATD81 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 13, 2016 20:41:11
Instrument : CP 7--19843A
Result file : 07PCBS16283004.0048.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	16.41	
4.68	4.69	4.72	301294.5	1349.774952			1
4.97	4.99	5.01	283577.3	2213.28909			2
5.15	5.16	5.19	288761.7	1811.477312			3
5.31	5.33	5.35	373835	1818.327477			4
5.55	5.57	5.59	1021178	2058.554532			5
5.76	5.78	5.80	604093.9	2105.948752			6
Height Summation:			**2872740.4**				
Amount Avg CF:			**1892.895352**	Linear:			
Aroclor-1262					6	44.51	
5.15	5.16	5.19	288761.7	929.021143			1
5.31	5.33	5.35	373835	1294.078637			2
5.55	5.57	5.59	1021178	1456.117569			3
5.76	5.78	5.80	604093.9	1476.61815			4
+ 5.81	5.82	5.85	35912.62	167.404638			5
5.81	5.83	5.85	44361.02	206.786375			5
6.18	6.20	6.22	284635.6	1046.072641			6
Height Summation:			**2616865.22**				
Amount Avg CF:			**1068.115753**	Linear:			
Aroclor-1268					6	150.49	
E 5.75	5.78	5.79	604093.9	44381.871325			1
E+ 5.81	5.82	5.85	35912.62	29920.301664			2
E 5.81	5.83	5.85	44361.02	36959.016093			2
5.94	5.96	5.98	10442.34	221.475567			3
6.01	6.02	6.05	15042.36	547.98407			4
6.18	6.20	6.22	284635.6	1074.98934			5
6.38	6.40	6.42	62600.68	93.137391			6
Height Summation:			**1021175.9**				
Amount Avg CF:			**13879.745631**	Linear:			

Analysis Report (B)

Injected on : Oct 13, 2016 20:41:11
Instrument : CP 7--19843B
Result file : 07PCBS16283004B.0048.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	104.25	
4.06	4.08	4.10	200854.5	364.291053			1
4.12	4.14	4.16	338501.8	349.06054			2
+ 4.12	4.15	4.16	200337.7	206.586747			2
4.21	4.23	4.25	1133474	2374.010969			3
4.28	4.30	4.32	390674.5	676.586378			4
4.35	4.36	4.39	1553149	4348.270752			5
4.49	4.51	4.53	394355.4	969.575449			6
Height Summation:			**4011009.2**				
Amount Avg CF:			**1513.632523**	Linear:			
Aroclor-1260					6	16.51	
4.21	4.23	4.25	1133474	1470.782968			1
4.35	4.36	4.39	1553149	1818.856027			2
4.45	4.46	4.48	981065.9	1475.006595			3
4.79	4.80	4.82	982293.6	1754.987171			4
4.98	5.00	5.02	2569319	1998.379679			5
5.24	5.25	5.28	1730430	2226.672855			6
Height Summation:			**8949731.5**				
Amount Avg CF:			**1790.780883**	Linear:			
Aroclor-1262					6	29.74	
4.60	4.62	4.64	788390.4	807.709453			1
4.78	4.80	4.82	982293.6	987.13992			2
4.98	5.00	5.02	2569319	1341.878066			3
5.19	5.21	5.23	506085.2	707.874985			4
5.24	5.25	5.28	1730430	1554.013021			5
5.62	5.64	5.66	706808.1	1073.437736			6
Height Summation:			**7283326.3**				
Amount Avg CF:			**1078.67553**	Linear:			
Aroclor-1268					6	124.00	
5.19	5.21	5.23	506085.2	269.102038			1
5.24	5.25	5.28	1730430	888.038907			2
5.39	5.41	5.43	32217.68	19.713399			3
5.46	5.48	5.50	13181.17	31.155765			4
5.62	5.64	5.66	706808.1	1109.093833			5
5.82	5.84	5.86	155449.5	29.305189			6
Height Summation:			**3144171.65**				
Amount Avg CF:			**391.068188**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1011.9048	196.4286		38.30	4	40	
Aroclor-1221			1011.9048	303.5714		** 106.53	3	40	
Aroclor-1232			1011.9048	244.0476		28.69	4	40	
Aroclor-1242			1011.9048	244.0476		39.53	4	40	
Aroclor-1248			1011.9048	196.4286		** 53.50	4	40	
Aroclor-1254			1011.9048	261.9048		28.37	4	40	
Aroclor-1260			1011.9048	232.1429		5.54	4	40	
Aroclor-1262			1011.9048	196.4286		0.98	4	40	
Aroclor-1268			1011.9048	196.4286	E	** 189.04	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8592780ACF DF20 ACAMW61 T 162850022A 10225 SW-846 8082
Injected On: 10/13/2016 8:41:11 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004.0048.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.529		5669	9942
1.636		2745	2263
1.74		2907	2445
1.872		1498	1345
1.905		1566	936
1.938		2338	2791
1.998		3605	6626
2.093		4526	9934
2.156		9666	6296
2.206		1430	1222
2.271		2922	2151
2.348		1410	2243
2.455		1207	1116
2.585		2184	1739
2.605		6477	6199
2.659		1390	901
2.743		1116	1149
2.79		1394	1225
2.83		1774	1489
2.88	TCX	169504	117809
2.994		2087	2153
3.147		1211	1393
3.197		10944	14720
3.35		2391	2737
3.488		4726	6758
3.579		1522	1999
3.64		8158	9972
3.681		3057	2810
3.734		4708	5022
3.801		9064	6647
3.827		5641	4531
3.922		7525	5114
3.948		3202	2069
3.978		2639	1943
4.014		9947	10258
4.051		2075	1421
4.112		1281	724
4.136		2351	2050
4.169		44695	32140
4.19		21560	13339
4.213		25403	18726
4.24		2508	2394
4.279		15818	13232
4.321		81667	80269
4.356		38644	31226
4.394		3074	2263
4.417		4699	3786
4.46		32718	30941
4.513		24895	18785
4.544		18173	10216
4.573		153494	139993
4.618		111303	127031
4.655		40651	31873

RT A	Compound A	Height A	Area A
4.695		301295	297938
4.744		14729	12512
4.786		146302	147358
4.839		75699	71675
4.893		477116	589425
4.941		70204	64578
4.985		283577	302029
5.027		12407	8597
5.065		50732	62238
5.102		632429	713361
5.164		288762	272426
5.207		191096	193322
5.329		373835	548729
5.388		189612	175484
5.428		101997	88741
5.469		16661	17160
5.513		129176	119117
5.54		6319	3135
5.569		1021178	1056763
5.661		3948	7338
5.776		604094	632590
5.816		35913	48501
5.827		44361	39961
5.959		10442	15180
6.024		15042	10419
6.047		108946	95124
6.112		1778	1339
6.141		1645	2131
6.203		284636	294282
6.247		16510	14333
6.307		1471	467
6.368		1002	596
6.4		62601	66089
6.542	DCB	219106	240488
6.628		1646	2639
6.658		1734	1818
6.781		1743	6313
6.846		3661	10965
6.982		1642	1314
7.034		1421	2810
7.141		1519	2169
7.216		1658	4556
7.243		1343	499
7.28		1333	849
7.352		1016	1423
7.409		1929	1655
7.453		1261	419
7.511		884	2099
7.547		1373	1190
7.624		1313	716
7.648		1545	707
7.693		2000	2893
7.746		1811	2633
7.766		1467	918
7.802		1057	426
7.866		985	1100
7.923		25016	45408
8.022		1709	859
8.085		2084	1416
8.19		1866	2306
8.292		1687	5117
8.354		1569	3910
8.414		4108	8768
8.574		8174	17920

LANCASTER LABORATORIES

Sample Number: 8592780ACF DF20 ACAMW61 T 162850022A 10225 SW-846 8082
Injected On: 10/13/2016 8:41:11 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004B.0048.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.559		2165	2497
1.6		8120	11583
1.685		2867	6190
1.719		4413	6027
1.799		6140	23707
1.848		14142	14508
1.877		27981	23444
1.915		5803	11811
1.973		6215	15467
2.038		2170	1772
2.135		1063	636
2.197		4021	7707
2.232		1797	1905
2.284		19337	14661
2.369		642	152
2.409		1714	1749
2.462		849	407
2.489		1425	764
2.534	TCX	538845	335759
2.625		2716	4959
2.706		3760	2250
2.831		16124	7158
2.842		15070	6372
3.028		1911	1067
3.089		1033	734
3.122		2428	1739
3.147		10361	13340
3.188		7864	11337
3.233		2086	1171
3.25		2830	1906
3.305		25654	25095
3.34		5949	7919
3.412		14152	9760
3.448		36377	21303
3.471		24296	13809
3.488		10081	5048
3.573		28808	19416
3.594		12946	6934
3.615		13199	7994
3.644		6212	3091
3.66		33827	19821
3.699		8995	7044
3.74		5879	5598
3.769		30101	16900
3.79		278544	181277
3.815		86503	49780
3.833		17635	8654
3.853		61476	37726
3.888		330366	227487
3.918		203227	214000
3.994		24720	30521
4.027		112700	80840
4.055		12565	8990
4.083		200855	145289

4.12		110480	113945
4.141		338502	184343
4.154		200338	102227
4.18		185037	178263
4.231		1133474	878323
4.268		54421	43074
4.299		390675	273987
4.323		273027	197751
4.365		1553149	1234069
4.464		981066	1052681
4.511		394355	344749
4.553		381242	342066
4.588		1815045	1500780
4.62		788390	550559
4.658		546789	454006
4.714		4292	2619
4.754		142586	100475
4.772		45575	25821
4.803		982294	760852
4.825		184843	119048
4.875		608403	532917
4.91		308281	247560
4.941		236365	189710
4.972		95639	55501
4.995		2569319	2299320
5.036		51736	37049
5.065		83889	65357
5.113		2221	1202
5.132		4522	3197
5.186		25676	14612
5.209		506085	433338
5.253		1730430	1921225
5.409		32218	26936
5.456		51631	38882
5.478		13181	8048
5.502		1822	1118
5.527		308738	274809
5.574		3082	2016
5.637		706808	622497
5.668		39193	28943
5.837		155450	136001
5.995	DCB	492844	443163
6.166		1454	944
6.19		21803	22889
6.265		2168	2736
6.378		867	652
6.414		2066	2124
6.482		2217	6303
6.583		824	234
6.738		928	2192
6.892		3441	4497
7.28		959	1414
7.305		2201	2771
7.387		28430	39066
7.621		775	1195
7.778		984	3490
7.83		1128	1297
7.859		847	563
7.91		2209	3283
8.015		1737	2758
8.198		4918	9620
8.31		1242	1126
8.565		1380	828

8592780ACF DF20 ACAMW61 T 162850022A 10225 SW-846 8082

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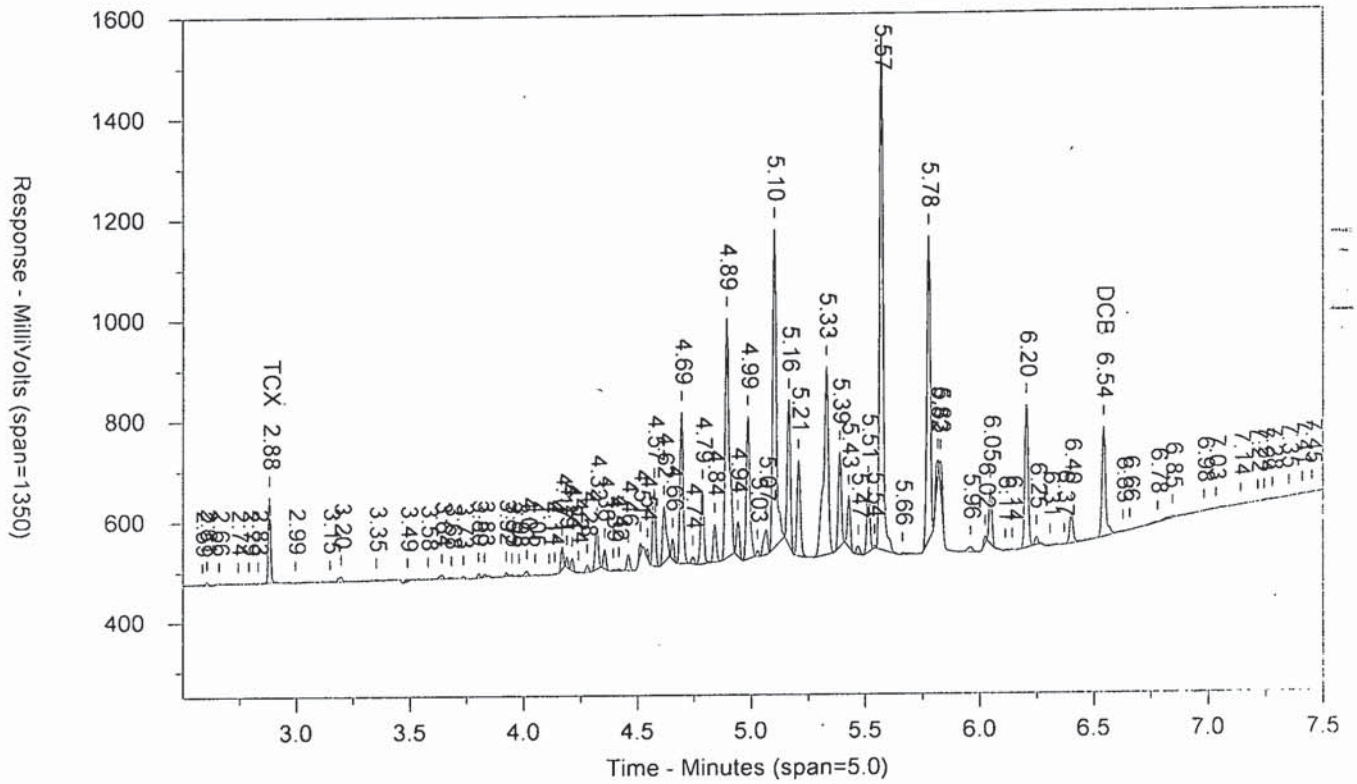

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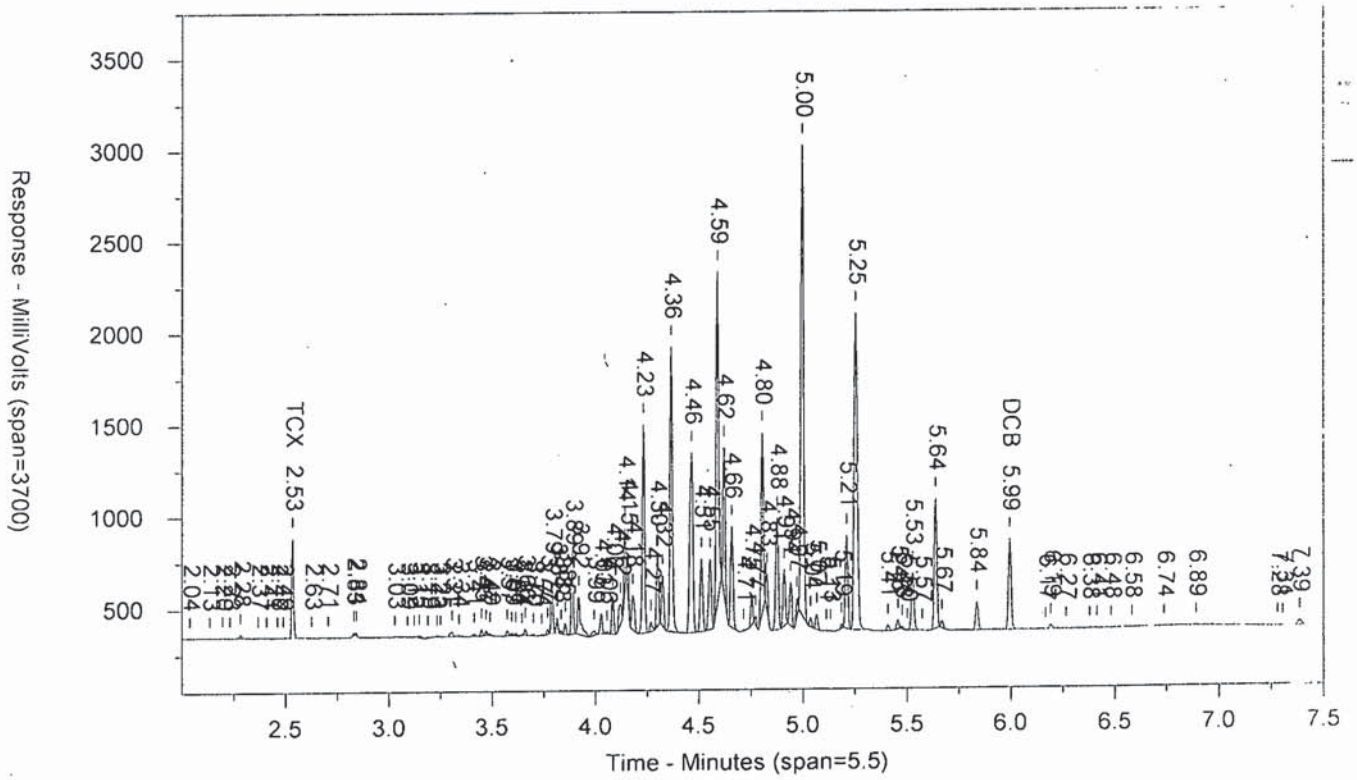

LANCASTER LABORATORIES

Sample Number: 8592780ACF DF20 ACAMW61 T 162850022A 10225 SW-846 8082
Injected On: 10/13/2016 8:41:11 PM
Sample Weight: 10.08
Dilution Factor: 200
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	169504	25.605	TCX	2.534	538845	25.948	TCX
6.542	219106	34.593	DCB	5.995	492844	36.414	DCB

Files:
Area File: 07pcbs16283004.0048.RAW
Area File: 07pcbs16283004B.0048.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/13/2016 8:49:55 PM
File Reported On: 10/13/2016 at 8:50:03 PM

8592780ACF DF20 ACAMW61 T 162850022A 10225 SW-846 8082

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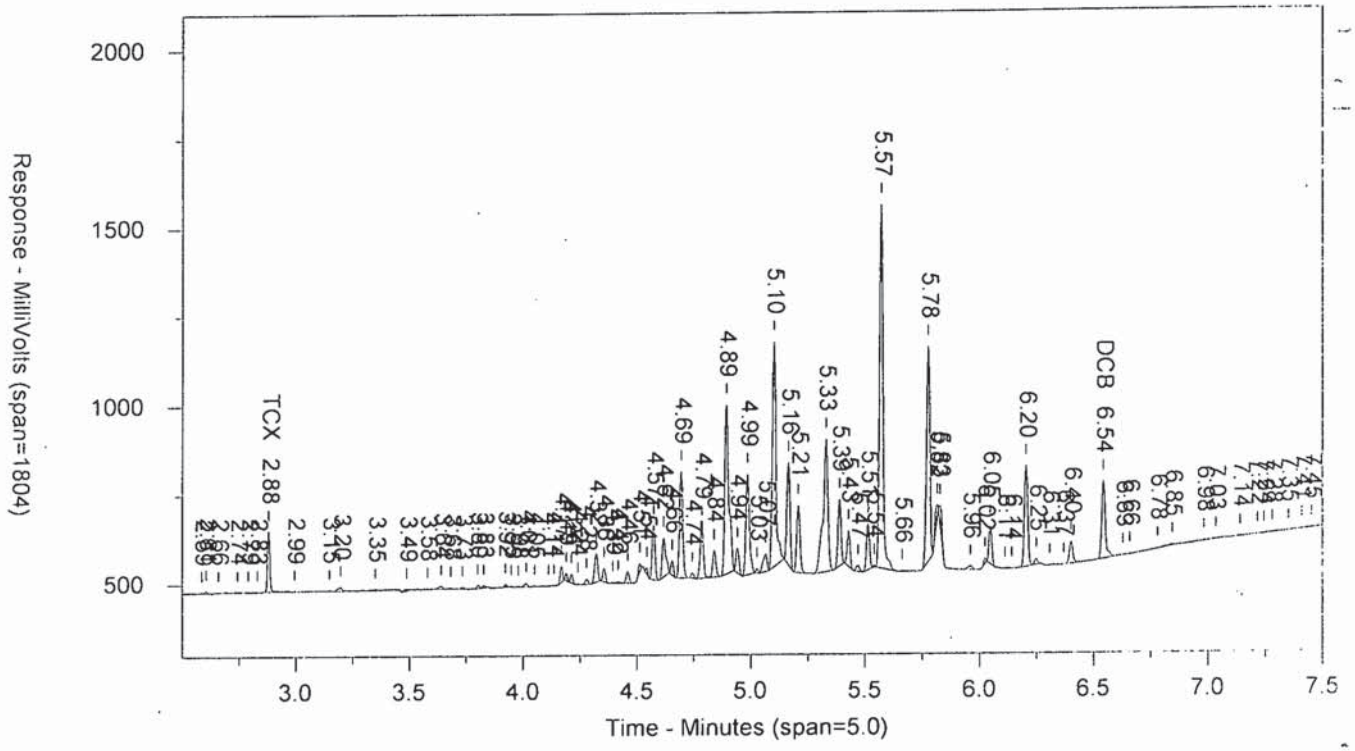

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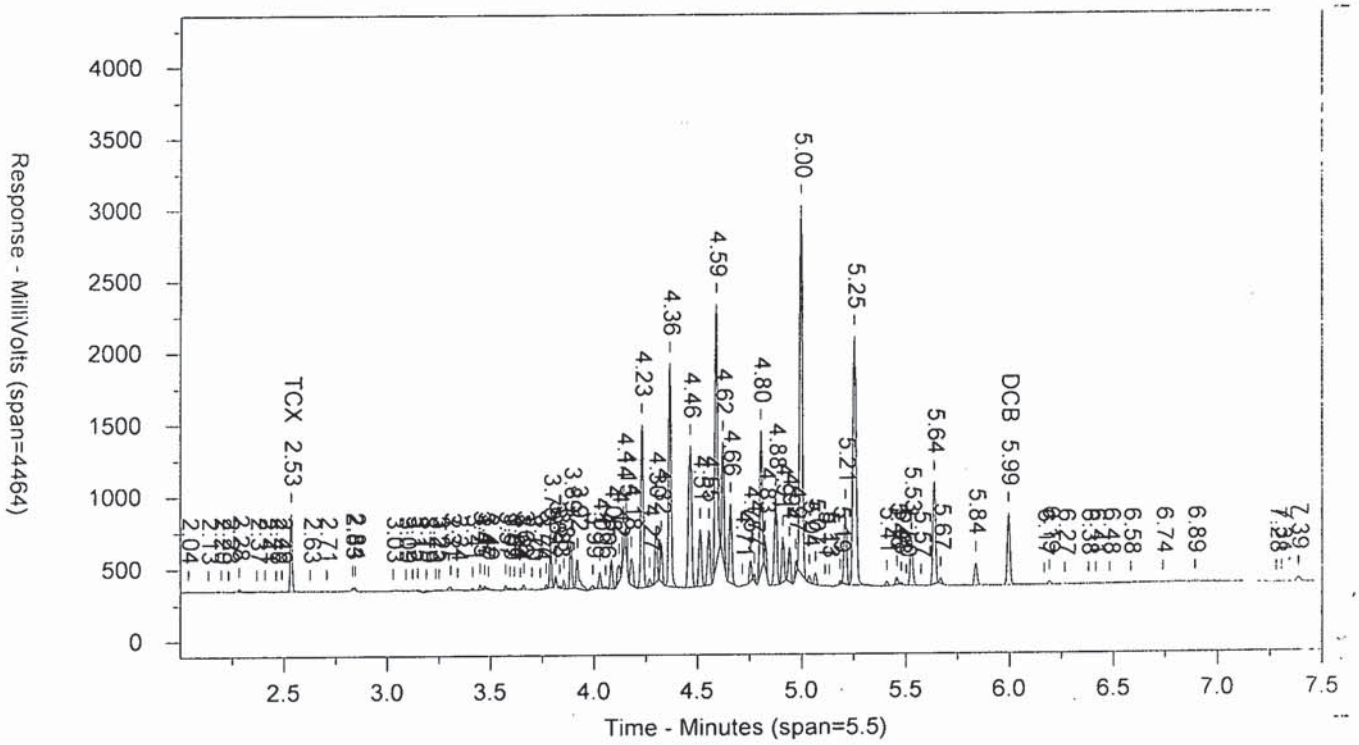

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Data Summary

Sample Name: 8592781 ACF DF10 AMW62 Sample ID: AE **Batchnumber: 162850022A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Oct 19, 2016 02:13:02
Instrument	19843A
Result file	07PCBS16283008.0020.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

%SSR(TCX) 108% (46 - 148) Conc: 30.82102
%SSR(DCB) 136% (49 - 139) Conc: 38.97918

Analysis Report (B)

Injected on	Oct 19, 2016 02:13:02
Instrument	19843B
Result file	07PCBS16283008B.0020.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

%SSR(TCX) 110% (46 - 148) Conc: 31.62474
%SSR(DCB) * 141% (49 - 139) Conc: 40.4357

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.85	2.88	2.91	413330	30.82102
Decachlorobiphenyl	6.52	6.54	6.58	500141	38.97918

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	1330408	31.62474
Decachlorobiphenyl	5.97	5.99	6.03	1108659	40.4357

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	31.62474				2.57	
☐ Decachlorobiphenyl	B	40.4357				3.67	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**34.01**	
4.68	4.69	4.72	1126460	2491.097522			1
4.97	4.98	5.01	1504304	5795.715847			2
5.15	5.16	5.19	1031541	3194.365433			3
5.31	5.33	5.35	1047893	2516.018764			4
5.55	5.57	5.59	4377810	4356.348643			5
5.76	5.78	5.80	2447013	4210.992027			6

Height summation: **11535021**
Concentration CF: **3760.756373** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.59**	
4.21	4.23	4.25	4606729	2950.764084			1
4.35	4.36	4.39	6249171	3612.537842			2
4.45	4.46	4.48	4167739	3093.150773			3
4.79	4.80	4.82	3721565	3282.184836			4
4.98	4.99	5.02	11341960	4354.646263			5
5.24	5.25	5.28	6694858	4252.541332			6

Height summation: **36782022**
Concentration CF: **3590.970855** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016			<499.5103	<96.9638			4	
☐ PCB-1221			<499.5103	<149.8531			3	
☐ PCB-1232			<499.5103	<120.4701			4	
☐ PCB-1242			<499.5103	<120.4701			4	
☐ PCB-1248			<499.5103	<96.9638			4	
☐ PCB-1254			<499.5103	<129.285			4	
☐ PCB-1260	A	3760.756373	499.5103	114.5935		4.62	4	
☐ PCB-1262			<499.5103	<96.9638			4	
☐ PCB-1268			<499.5103	<96.9638			4	
☐ Total PCBs	A	3760.756373	499.5103	96.9638				

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist

Verified by: Valerie L. Tomayko, Principal Specialist

Date: OCT 20 2016

Date: OCT 21 2016

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Data Summary

Sample Name: 8592781 ACF DF10 AMW62 Sample ID: AE **Batchnumber: 162850022A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Oct 19, 2016 02:13:02
Instrument	19843A
Result file	07PCBS16283008.0020.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

%SSR(TCX) 108% (46 - 148) Conc: 30.82102
%SSR(DCB) 136% (49 - 139) Conc: 38.97918

Analysis Report (B)

Injected on	Oct 19, 2016 02:13:02
Instrument	19843B
Result file	07PCBS16283008B.0020.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

%SSR(TCX) 110% (46 - 148) Conc: 31.62474
%SSR(DCB) * 141% (49 - 139) Conc: 40.4357

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.85	2.88	2.91	413330	30.82102
Decachlorobiphenyl	6.52	6.54	6.58	500141	38.97918

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	1330408	31.62474
Decachlorobiphenyl	5.97	5.99	6.03	1108659	40.4357

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	B	31.62474				2.57	
☑	Decachlorobiphenyl	B	40.4357				3.67	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**34.01**	
4.68	4.69	4.72	1126460	2491.097522			1
4.97	4.98	5.01	1504304	5795.715847			2
5.15	5.16	5.19	1031541	3194.365433			3
5.31	5.33	5.35	1047893	2516.018764			4
5.55	5.57	5.59	4377810	4356.348643			5
5.76	5.78	5.80	2447013	4210.992027			6

Height summation: **11535021**
Concentration CF: **3760.756373** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.59**	
4.21	4.23	4.25	4606729	2950.764084			1
4.35	4.36	4.39	6249171	3612.537842			2
4.45	4.46	4.48	4167739	3093.150773			3
4.79	4.80	4.82	3721565	3282.184836			4
4.98	4.99	5.02	11341960	4354.646263			5
5.24	5.25	5.28	6694858	4252.541332			6

Height summation: **36782022**
Concentration CF: **3590.970855** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<499.5103	<96.9638			4	
☑	PCB-1221			<499.5103	<149.8531			3	
☑	PCB-1232			<499.5103	<120.4701			4	
☑	PCB-1242			<499.5103	<120.4701			4	
☑	PCB-1248			<499.5103	<96.9638			4	
☑	PCB-1254			<499.5103	<129.285			4	
☑	PCB-1260	A	3760.756373	499.5103	114.5935		4.62	4	

Units: ug/kg

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

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

Verified by: Valerie L. Tomayko, Principal Specialist
Date: OCT 21 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592781** ACF DF10 AMW62 Sample ID: AE **Batchnumber: 162850022A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analyses: 10225

C

Analysis Report (A)

Injected on : Oct 19, 2016 02:13:02
Instrument : CP 7--19843A
Result file : 07PCBS16283008.0020.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 108% (46-148) Conc.: 30.82102
%SSR(DCB) : 136% (49-139) Conc.: 38.97918

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	126.71	
3.12	3.14	3.16	2677.963	12.106052			1
3.33	3.35	3.37	5163.909	24.076436			2
3.45	3.46	3.49	3432.02	13.113543			3
3.66	3.68	3.70	14118.29	45.105708			4
3.72	3.73	3.76	15545.98	63.029906			5
3.91	3.92	3.95	40454.07	221.368284			6
Height Summation:			81392.232				
Amount Avg CF:			63.133321	Linear:			
Aroclor-1221					1		
3.12	3.14	3.16	2677.963	8.36309			3
Height Summation:			2677.963				
Amount Avg CF:			8.36309	Linear:			
Aroclor-1232					6	139.67	
3.12	3.14	3.16	2677.963	10.034633			1
3.33	3.35	3.37	5163.909	50.57925			2
3.45	3.46	3.49	3432.02	26.790066			3
3.66	3.68	3.70	14118.29	89.495494			4
3.72	3.73	3.76	15545.98	143.461638			5
3.91	3.92	3.95	40454.07	541.092069			6
Height Summation:			81392.232				
Amount Avg CF:			143.575525	Linear:			
Aroclor-1242					6	129.62	
3.12	3.14	3.16	2677.963	14.804619			1
3.33	3.35	3.37	5163.909	30.505085			2
3.45	3.46	3.49	3432.02	16.853032			3
3.66	3.68	3.70	14118.29	53.98246			4
3.72	3.73	3.76	15545.98	85.949598			5
3.91	3.92	3.95	40454.07	295.424271			6
Height Summation:			81392.232				
Amount Avg CF:			82.919844	Linear:			
Aroclor-1248					6	179.49	
3.72	3.73	3.76	15545.98	115.931213			1
3.78	3.80	3.82	59929.11	259.234834			2
3.91	3.92	3.95	40454.07	155.886156			3
3.99	4.01	4.03	64654.7	301.274245			4
4.17	4.19	4.21	159456.8	690.761794			5
4.56	4.57	4.60	941794.6	5221.234095			6
Height Summation:			1281835.26				
Amount Avg CF:			1124.053723	Linear:			
Aroclor-1254					6	78.07	
4.15	4.17	4.19	198138.5	727.076028			1
+ 4.15	4.19	4.19	159456.8	585.132202			1
4.50	4.51	4.53	281910.1	1007.521645			2
4.56	4.57	4.60	941794.6	1612.094892			3
4.68	4.69	4.72	1126460	6035.213151			4
4.77	4.79	4.81	970854.9	2422.886452			5
4.97	4.98	5.01	1504304	4636.987174			6
Height Summation:			5023462.1				
Amount Avg CF:			2740.296557	Linear:			

Analysis Report (B)

Injected on : Oct 19, 2016 02:13:02
Instrument : CP 7--19843B
Result file : 07PCBS16283008B.0020.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 110% (46-148) Conc.: 31.62474
%SSR(DCB) : *141% (49-139) Conc.: 40.4357

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	103.47	
2.80	2.83	2.84	34868.39	50.099891			1
3.13	3.15	3.17	38484.63	45.846808			2
3.32	3.34	3.36	36233.77	42.568681			3
3.39	3.41	3.43	61491.43	68.465941			4
3.55	3.57	3.59	168887	234.765268			5
+ 3.64	3.64	3.68	37803.81	61.412568			6
3.64	3.66	3.68	239697.5	389.390355			6
Height Summation:			579662.72				
Amount Avg CF:			138.522824	Linear:			
Aroclor-1221					2	6.64	
2.69	2.71	2.73	16029.92	37.85369			1
2.80	2.83	2.84	34868.39	34.458689			3
Height Summation:			50898.31				
Amount Avg CF:			36.15619	Linear:			
Aroclor-1232					6	111.76	
2.80	2.83	2.84	34868.39	41.807737			1
3.13	3.15	3.17	38484.63	89.119986			2
3.32	3.34	3.36	36233.77	81.022518			3
3.39	3.41	3.43	61491.43	152.585573			4
3.55	3.57	3.59	168887	563.820309			5
+ 3.64	3.64	3.68	37803.81	132.702043			6
3.64	3.66	3.68	239697.5	841.405877			6
Height Summation:			579662.72				
Amount Avg CF:			294.960333	Linear:			
Aroclor-1242					6	105.10	
2.80	2.83	2.84	34868.39	59.747224			1
3.13	3.15	3.17	38484.63	57.067703			2
3.32	3.34	3.36	36233.77	51.934052			3
3.39	3.41	3.43	61491.43	90.677143			4
+ 3.58	3.59	3.62	81947.91	382.824448			5
3.58	3.61	3.62	96302.05	449.880652			5
+ 3.64	3.64	3.68	37803.81	77.378638			6
3.64	3.66	3.68	239697.5	490.624253			6
Height Summation:			507077.77				
Amount Avg CF:			199.988505	Linear:			
Aroclor-1248					6	130.58	
3.43	3.45	3.47	228279.3	271.618026			1
3.55	3.57	3.59	168887	171.502702			2
+ 3.64	3.64	3.68	37803.81	51.960082			3
3.64	3.66	3.68	239697.5	329.456258			3
3.77	3.79	3.81	1453207	1078.16282			4
4.12	4.14	4.16	3231507	5024.695067			5
4.28	4.30	4.32	2869598	7646.668325			6
Height Summation:			8191175.8				
Amount Avg CF:			2420.350533	Linear:			
Aroclor-1254					6	75.21	
4.06	4.08	4.10	1242038	1112.004683			1
4.12	4.14	4.16	3231507	1644.938514			2
4.21	4.23	4.25	4606729	4762.868793			3
4.28	4.30	4.32	2869598	2453.206125			4
4.35	4.36	4.39	6249171	8636.358463			5
4.49	4.51	4.53	2801602	3400.204602			6
Height Summation:			21000645				
Amount Avg CF:			3668.26353	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592781** ACF DF10 AMW62 Sample ID: AE **Batchnumber: 162850022A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 19, 2016 02:13:02
Instrument : CP 7--19843A
Result file : 07PCBS16283008.0020.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	34.01	
4.68	4.69	4.72	1126460	2491.097522			1
4.97	4.98	5.01	1504304	5795.715847			2
5.15	5.16	5.19	1031541	3194.365433			3
+ 5.31	5.31	5.35	71278.67	171.141969			4
5.31	5.33	5.35	1047893	2516.018764			4
5.55	5.57	5.59	4377810	4356.348643			5
5.76	5.78	5.80	2447013	4210.992027			6
Height Summation:			**11535021**				
Amount Avg CF:			**3760.756373**	Linear:			
Aroclor-1262					6	45.11	
5.15	5.16	5.19	1031541	1638.239137			1
+ 5.31	5.31	5.35	71278.67	121.799384			2
5.31	5.33	5.35	1047893	1790.615923			2
E 5.55	5.57	5.59	4377810	3081.46114			3
E 5.76	5.78	5.80	2447013	2952.60141			4
5.81	5.81	5.85	260896.7	600.335157			5
+ 5.81	5.83	5.85	196721.3	452.664646			5
E 6.18	6.20	6.22	1197156	2171.8417			6
Height Summation:			**10362309.7**				
Amount Avg CF:			**2039.182411**	Linear:			
Aroclor-1268					6	151.36	
E 5.75	5.78	5.79	2447013	88744.660139			1
E 5.81	5.81	5.85	260896.7	107298.1559			2
E+ 5.81	5.83	5.85	196721.3	80904.943283			2
5.94	5.96	5.98	38274.89	400.725278			3
6.01	6.02	6.05	63863.53	1148.443595			4
E 6.18	6.20	6.22	1197156	2231.878153			5
6.38	6.40	6.42	250178.6	183.738416			6
Height Summation:			**4257382.72**				
Amount Avg CF:			**33334.600247**	Linear:			

Analysis Report (B)

Injected on : Oct 19, 2016 02:13:02
Instrument : CP 7--19843B
Result file : 07PCBS16283008B.0020.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	16.59	
4.21	4.23	4.25	4606729	2950.764084			1
4.35	4.36	4.39	6249171	3612.537842			2
4.45	4.46	4.48	4167739	3093.150773			3
4.79	4.80	4.82	3721565	3282.184836			4
+ 4.79	4.82	4.82	1167839	1029.960099			4
4.98	4.99	5.02	11341960	4354.646263			5
5.24	5.25	5.28	6694858	4252.541332			6
Height Summation:			**36782022**				
Amount Avg CF:			**3590.970855**	Linear:			
Aroclor-1262					6	34.40	
4.60	4.62	4.64	2778854	1405.349561			1
4.78	4.80	4.82	3721565	1846.153482			2
E 4.98	4.99	5.02	11341960	2924.07112			3
5.19	5.21	5.23	1899153	1311.286762			4
E 5.24	5.25	5.28	6694858	2967.88304			5
E 5.62	5.64	5.66	2839686	2128.876438			6
Height Summation:			**29276076**				
Amount Avg CF:			**2097.270067**	Linear:			
Aroclor-1268					6	125.60	
5.19	5.21	5.23	1899153	498.491891			1
5.24	5.25	5.28	6694858	1695.993261			2
5.39	5.41	5.43	127296.5	38.449306			3
5.46	5.48	5.50	50025.15	58.368382			4
E 5.62	5.64	5.66	2839686	2199.590762			5
5.82	5.84	5.86	588596.6	54.774414			6
Height Summation:			**12199615.25**				
Amount Avg CF:			**757.611336**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			499.5103	96.9638		** 74.77	4	40	
Aroclor-1221			499.5103	149.8531		** 124.86	3	40	
Aroclor-1232			499.5103	120.4701		** 69.04	4	40	
Aroclor-1242			499.5103	120.4701		** 82.76	4	40	
Aroclor-1248			499.5103	96.9638		** 73.15	4	40	
Aroclor-1254			499.5103	129.285		28.96	4	40	
Aroclor-1260			499.5103	114.5935		4.62	4	40	
Aroclor-1262			499.5103	96.9638	E	2.81	4	40	
Aroclor-1268			499.5103	96.9638	E	** 191.11	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8592781ACF DF10 AEAMW62 T 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 2:13:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		18981	25032
1.61		2065	1425
1.635		11723	11951
1.687		4244	2898
1.701		5079	3620
1.8		2645	5107
1.867		6257	22392
1.942		10043	14568
1.963		9046	8064
1.996		15553	30065
2.056		20648	54610
2.111		11580	23263
2.156		44423	63797
2.242		9176	10455
2.269		27001	34141
2.338		11061	23408
2.399		5605	8319
2.456		6282	17355
2.525		6357	8597
2.585		8126	7798
2.604		24758	21657
2.686		3162	8129
2.733		6074	4444
2.786		1351	738
2.805		2427	2251
2.879	TCX	413330	291869
2.971		3013	2854
2.994		4920	4532
3.139		2678	2227
3.184		11611	6974
3.196		11926	5001
3.252		1040	625
3.276		1658	1696
3.349		5164	3237
3.418		1545	508
3.431		2255	1273
3.462		3432	1494
3.508		2506	5089
3.537		4448	3814
3.573		3843	3745
3.615		4861	2427
3.64		34891	33778
3.677		14118	12435
3.733		15546	14757
3.8		59929	43572
3.827		33123	25155
3.847		11621	6391
3.922		40454	29200
3.946		17494	11464
3.976		22477	16055
4.012		64655	62401
4.052		11501	9245
4.08		2632	1729

RT A	Compound A	Height A	Area A
4.097		3517	2372
4.134		8636	7447
4.169		198139	140776
4.189		159457	97655
4.212		173091	126623
4.241		2197	1348
4.279		83160	71096
4.321		472346	468571
4.355		252559	208062
4.394		16658	11933
4.418		31815	22531
4.46		204205	193028
4.512		281910	277417
4.542		149599	98996
4.573		941795	837788
4.618		382423	450696
4.656		219749	171369
4.693		1126460	1122846
4.744		99409	93538
4.785		970855	931301
4.813		9712	5129
4.84		283597	278366
4.892		1965997	2390316
4.941		252527	226753
4.985		1504304	1526053
5.028		82567	61187
5.064		207209	256714
5.101		2900111	2667811
5.123		88355	42668
5.163		1031541	966001
5.207		726703	721441
5.251		6776	7415
5.313		71279	78091
5.329		1047893	888376
5.387		682869	644847
5.427		381321	352847
5.467		62753	66798
5.513		604812	555489
5.539		49919	26706
5.569		4377811	4307546
5.662		6940	5999
5.689		4753	5380
5.776		2447013	2601775
5.813		260897	255535
5.828		196721	122514
5.958		38275	54628
6.022		63864	47205
6.046		419921	372452
6.113		4710	4909
6.202		1197156	1170901
6.247		74092	72373
6.399		250179	264176
6.478		3283	4191
6.543	DCB	500141	566331
6.619		7354	7413
6.751		18565	44390
6.809		4879	5385
6.847		3901	3225
6.967		1957	4583
7.015		1325	1679
7.052		2352	2197
7.121		1206	1563
7.221		731	1475
7.291		1142	2605
7.35		1211	1505
7.429		1258	1006

RT A	Compound A	Height A	Area A
7.57		1184	3357
7.587		1376	698
7.643		1111	706
7.682		6114	9272
7.732		2311	4021
7.797		1270	449
7.925		21350	38031
8.06		1132	1991
8.197		1893	3723
8.229		1756	1090
8.253		1192	740
8.269		1983	2061
8.32		1795	907
8.418		3959	6075
8.502		3285	8446
8.58		10335	23798
8.679		5047	5517

LANCASTER LABORATORIES

Sample Number: 8592781ACF DF10 AEAMW62 T 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 2:13:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.506		2787	2548
1.558		6844	8593
1.608		10870	16933
1.657		8033	6131
1.673		14632	11939
1.718		28146	60373
1.793		20422	81691
1.847		79647	70733
1.877		111881	95333
1.924		31278	66874
1.972		13674	23521
2.033		10123	10879
2.08		5876	4129
2.128		4982	4787
2.156		5913	6894
2.23		4871	8225
2.283		76435	56404
2.313		4290	4132
2.334		2160	1042
2.374		3135	3931
2.411		3905	4864
2.471		19707	19643
2.513		3443	1686
2.533	TCX	1330409	810468
2.594		1786	734
2.622		9880	11594
2.673		1089	914
2.706		16030	8576
2.73		2627	4953
2.787		2749	3651
2.83		34868	14064
2.841		72844	33208
2.908		1143	303
2.925		1869	2636
2.969		1278	895
2.992		1159	842
3.026		19318	21391
3.077		3762	4256
3.109		2959	1772
3.123		6648	3234
3.146		38485	30021
3.185		19664	18351
3.231		11056	6239
3.251		41694	25132
3.296		21091	11626
3.304		71268	32967
3.339		36234	41758
3.375		4596	2831
3.411		61491	41463
3.448		228279	138873
3.47		167550	96444
3.488		72598	35895
3.541		3006	1389
3.572		168887	108787

3.594		81948	44209
3.615		96302	56111
3.643		37804	18720
3.659		239698	141928
3.698		53526	37893
3.743		35282	33960
3.768		189927	114642
3.79		1453207	956766
3.813		580659	347660
3.832		101729	50370
3.853		317417	195049
3.887		1742908	1172819
3.917		1270638	1247149
3.993		133051	106017
4.026		699625	527601
4.055		70306	49099
4.082		1242038	929472
4.114		762345	639388
4.14		3231507	3057843
4.179		642542	643881
4.23		4606729	3592030
4.267		361309	280801
4.298		2869598	2013252
4.323		991805	699144
4.364		6249171	4912700
4.416		10694	7454
4.463		4167739	4314189
4.51		2801603	2314564
4.552		1471923	1320545
4.588		8239195	7023071
4.619		2778854	1940969
4.657		2058802	1610789
4.713		26610	15137
4.729		27264	17106
4.753		507164	341738
4.771		241338	139487
4.803		3721565	2806387
4.825		1167839	762537
4.874		2161052	1940063
4.909		1158155	911289
4.941		896299	708274
4.972		537476	332613
4.994		11341960	9383207
5.036		205183	144417
5.064		302285	249423
5.113		6515	4073
5.132		18471	12303
5.166		5645	3776
5.186		90906	53478
5.208		1899153	1609551
5.252		6694858	7402091
5.315		7717	6217
5.351		1999	1127
5.408		127297	109272
5.456		228911	175570
5.477		50025	30552
5.501		9874	4959
5.526		1191513	1023922
5.573		10915	9852
5.637		2839686	2447567
5.668		163658	120685
5.747		3098	2697
5.836		588597	524418
5.887		3776	2589
5.924		2101	2406
5.958		1446	927
5.994	DCB	1108659	998884

6.097	2512	2579
6.141	1004	1453
6.165	5122	3770
6.19	48317	42885
6.263	4146	3831
6.362	1057	521
6.419	4338	4215
6.438	3313	2832
6.473	2752	2182
6.595	1218	842
6.644	1347	1178
6.718	2784	3604
6.769	1562	1576
6.801	2237	2044
6.888	9388	11350
7.161	1349	1237
7.299	5044	14885
7.385	29807	40132
7.486	1409	1416
7.543	1317	1119
7.764	1704	2177
7.91	3786	6007
8.14	1138	1634
8.2	19270	38494
8.321	1025	818
8.414	1144	443
8.545	1143	1535

8592781ACF DF10 AEAMW62 T 162850022A 10225 SW-846 8082

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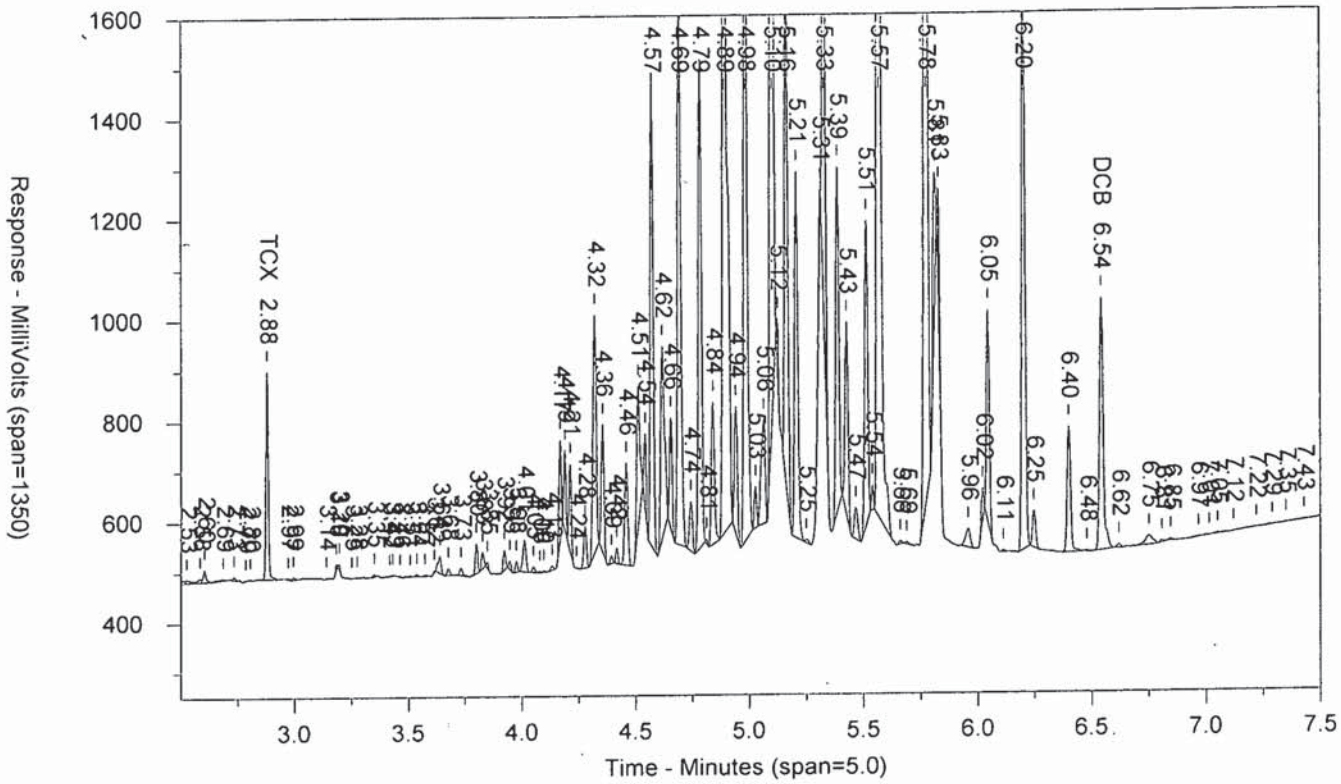

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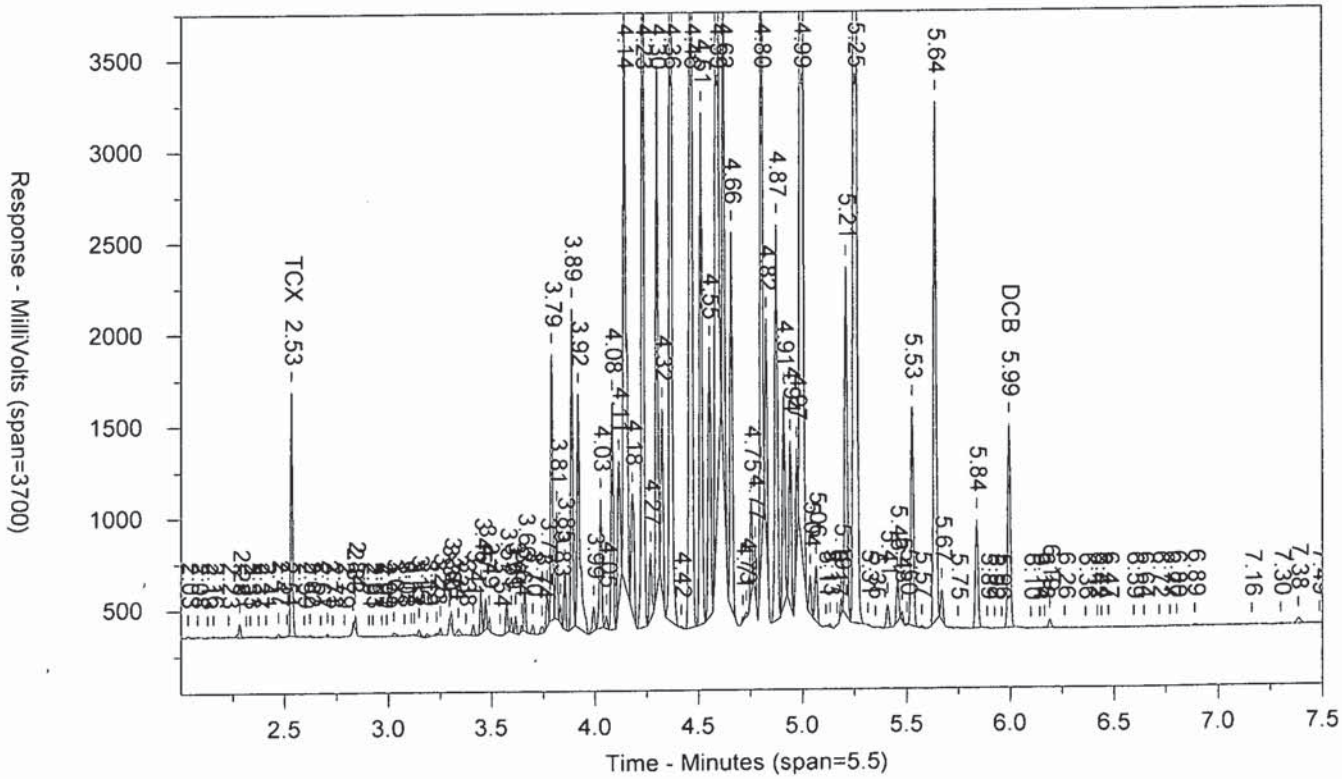

LANCASTER LABORATORIES

Sample Number: 8592781ACF DF10 AEAMW62 T 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 2:13:02 AM
Sample Weight: 10.21
Dilution Factor: 100
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.879	413330	30.821	TCX	2.533	1330409	31.625	TCX
6.543	500141	38.979	DCB	5.994	1108659	40.436	DCB

Files:
Area File: 07pcbs16283008.0020.RAW
Area File: 07pcbs16283008B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2016 2:21:45 AM
File Reported On: 10/19/2016 at 2:21:52 AM

8592781ACF DF10 AEAMW62 T 162850022A 10225 SW-846 8082

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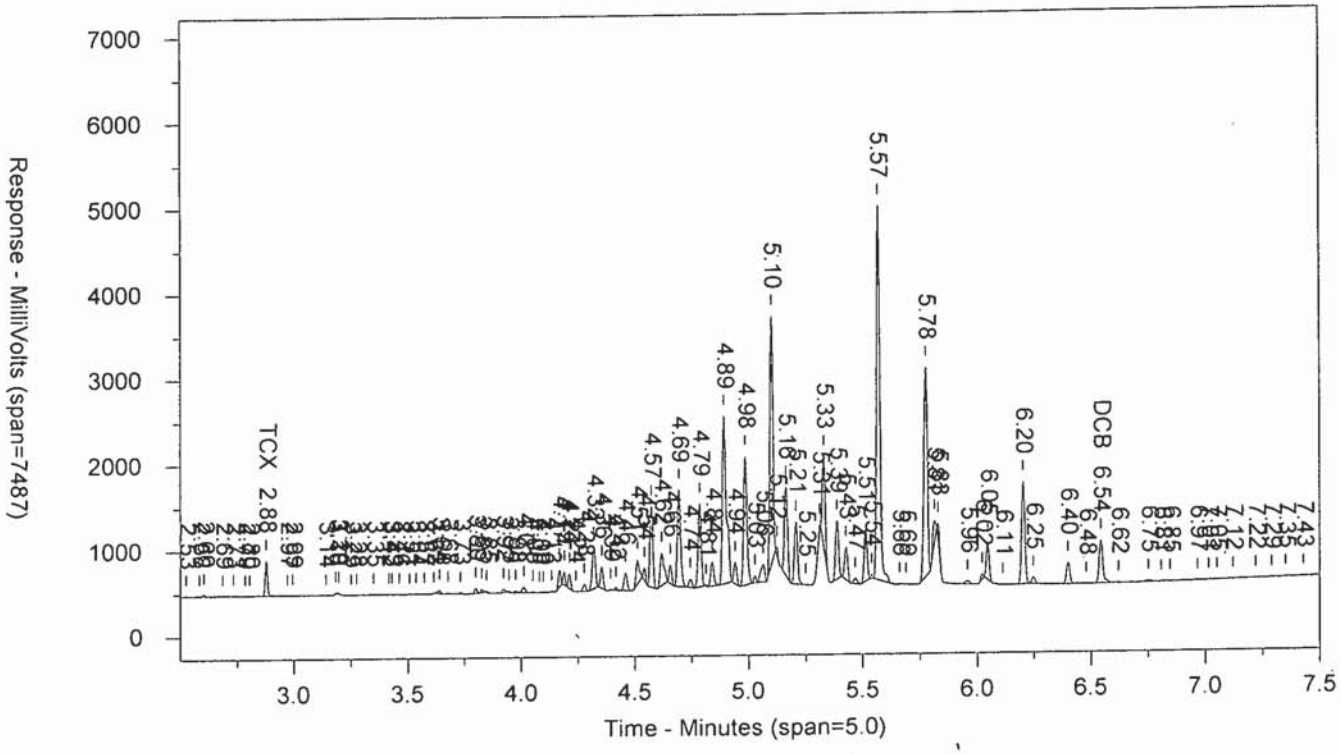

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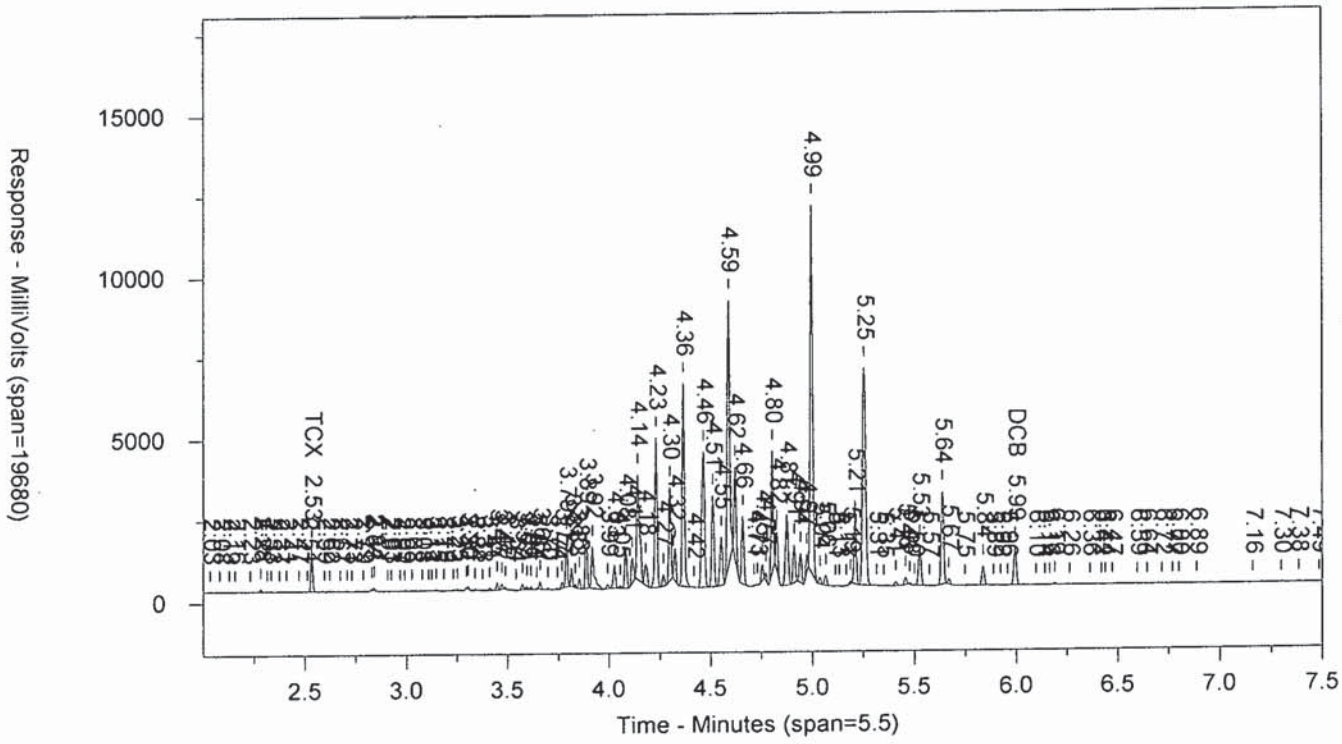

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Data Summary

Sample Name: 8592784 ACF DF20 AMW63 Sample ID: AE **Batchnumber: 162850022A**
Sample Amount: 10.03 g Total Volume: 200 ml Analyst: 2855 SDG: ATD81 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Oct 19, 2016 03:21:37
Instrument	19843A
Result file	07PCBS16283008.0026.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

%SSR(TCX) 118% (46 - 148) Conc: 34.5338
%SSR(DCB) * 156% (49 - 139) Conc: 45.4515

Analysis Report (B)

Injected on	Oct 19, 2016 03:21:37
Instrument	19843B
Result file	07PCBS16283008B.0026.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

%SSR(TCX) 120% (46 - 148) Conc: 35.10843
%SSR(DCB) * 160% (49 - 139) Conc: 46.77686

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.85	2.88	2.91	227478	34.5338	Tetrachloro-m-xylene	2.50	2.53	2.56	725462	35.10843
Decachlorobiphenyl	6.52	6.54	6.58	286453	45.4515	Decachlorobiphenyl	5.97	6.00	6.03	629955	46.77686

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	B	35.10843				1.65	
☑ Decachlorobiphenyl	B	46.77686				2.87	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**30.55**	
4.68	4.69	4.72	1415493	6372.905603			1
4.97	4.99	5.01	1921868	15074.740151			2
5.15	5.16	5.19	1245779	7854.054559			3
5.31	5.33	5.35	1811609	8855.563685			4
5.55	5.57	5.59	5025793	10181.813137			5
5.76	5.78	5.80	2999313	10508.113067			6

Height summation: **14419855**
Concentration CF: **9807.865034** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.87**	
4.21	4.23	4.25	5792084	7553.208622			1
4.35	4.36	4.39	7830820	9216.203221			2
4.45	4.46	4.48	5159208	7795.400237			3
4.79	4.80	4.82	4667692	8380.97262			4
4.98	5.00	5.02	13642850	10664.11156			5
5.24	5.25	5.28	7713980	9975.63354			6

Height summation: **44806634**
Concentration CF: **8930.921633** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<1016.9491	<197.4078			4	
☑ PCB-1221			<1016.9491	<305.0847			3	
☑ PCB-1232			<1016.9491	<245.2642			4	
☑ PCB-1242			<1016.9491	<245.2642			4	
☑ PCB-1248			<1016.9491	<197.4078			4	
☑ PCB-1254			<1016.9491	<263.2104			4	
☑ PCB-1260	A	9807.865034	1016.9491	233.3001		9.36	4	

Units: ug/kg

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

Reviewed by: Kirby D. Turner, Associate Chemist
Date: OCT 20 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: OCT 21 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592784** ACF DF20 AMW63 Sample ID: AE **Batchnumber: 162850022A**
Sample Amount: 10.03 g Total Volume: 200 ml Analyst: 2855 SDG: ATD81 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 19, 2016 03:21:37
Instrument : CP 7--19843A
Result file : 07PCBS16283008.0026.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 118% (46-148) Conc.: 34.5338
%SSR(DCB) : *156% (49-139) Conc.: 45.4515

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	122.46	
3.12	3.14	3.16	3720.558	34.242137			1
3.33	3.35	3.37	5642.82	53.562967			2
+ 3.33	3.37	3.37	3811.826	36.182743			2
3.45	3.46	3.49	8751.187	68.075681			3
3.66	3.68	3.70	22713.99	147.739844			4
3.72	3.73	3.76	21692.14	179.054713			5
3.91	3.92	3.95	57534.37	640.966518			6
Height Summation:			**120055.065**				
Amount Avg CF:			**187.273643**	Linear:			
Aroclor-1221					2	18.95	
3.02	3.03	3.06	1847.859	30.975276			1
3.12	3.14	3.16	3720.558	23.655116			3
Height Summation:			**5568.417**				
Amount Avg CF:			**27.315196**	Linear:			
Aroclor-1232					6	135.63	
3.12	3.14	3.16	3720.558	28.383098			1
3.33	3.35	3.37	5642.82	112.523907			2
+ 3.33	3.37	3.37	3811.826	76.011915			2
3.45	3.46	3.49	8751.187	139.073936			3
3.66	3.68	3.70	22713.99	293.13475			4
3.72	3.73	3.76	21692.14	407.544356			5
3.91	3.92	3.95	57534.37	1566.719011			6
Height Summation:			**120055.065**				
Amount Avg CF:			**424.563176**	Linear:			
Aroclor-1242					6	125.45	
3.12	3.14	3.16	3720.558	41.875069			1
3.33	3.35	3.37	5642.82	67.864814			2
+ 3.33	3.37	3.37	3811.826	45.843898			2
3.45	3.46	3.49	8751.187	87.488307			3
3.66	3.68	3.70	22713.99	176.814879			4
3.72	3.73	3.76	21692.14	244.164741			5
3.91	3.92	3.95	57534.37	855.393839			6
Height Summation:			**120055.065**				
Amount Avg CF:			**245.600275**	Linear:			
Aroclor-1248					6	175.88	
3.72	3.73	3.76	21692.14	329.336207			1
3.78	3.80	3.82	83408.3	734.547026			2
3.91	3.92	3.95	57534.37	451.364599			3
3.99	4.01	4.03	91034.51	863.620154			4
4.17	4.19	4.21	220411.2	1943.899141			5
4.56	4.57	4.60	1223112	13805.050548			6
Height Summation:			**1697192.52**				
Amount Avg CF:			**3021.302946**	Linear:			
Aroclor-1254					6	75.84	
4.15	4.17	4.19	256036.1	1912.78855			1
+ 4.15	4.19	4.19	220411.2	1646.642874			1
4.50	4.51	4.53	405422.1	2949.891028			2
4.56	4.57	4.60	1223112	4262.412115			3
4.68	4.69	4.72	1415493	15439.718184			4
4.77	4.79	4.81	1234400	6271.76031			5
4.97	4.99	5.01	1921868	12060.87023			6
Height Summation:			**6456331.2**				
Amount Avg CF:			**7149.573403**	Linear:			

Analysis Report (B)

Injected on : Oct 19, 2016 03:21:37
Instrument : CP 7--19843B
Result file : 07PCBS16283008B.0026.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 120% (46-148) Conc.: 35.10843
%SSR(DCB) : *160% (49-139) Conc.: 46.77686

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	106.40	
2.80	2.83	2.84	32695.41	95.641521			1
3.13	3.15	3.17	55474.52	134.545799			2
+ 3.32	3.33	3.36	8188.144	19.584701			3
3.32	3.34	3.36	49293.57	117.902156			3
3.39	3.41	3.43	84803.77	192.23389			4
3.55	3.57	3.59	244935.3	693.176465			5
+ 3.64	3.64	3.68	67387.48	222.8721			6
3.64	3.66	3.68	330470.9	1092.973703			6
Height Summation:			**797673.47**				
Amount Avg CF:			**387.745589**	Linear:			
Aroclor-1221					3	76.00	
2.69	2.71	2.73	22255.45	106.996126			1
2.75	2.75	2.79	1580.007	13.070188			2
+ 2.75	2.79	2.79	1233.585	10.204504			2
2.80	2.83	2.84	32695.41	65.782209			3
Height Summation:			**56530.867**				
Amount Avg CF:			**61.949508**	Linear:			
Aroclor-1232					6	112.83	
2.80	2.83	2.84	32695.41	79.811663			1
3.13	3.15	3.17	55474.52	261.538816			2
+ 3.32	3.33	3.36	8188.144	37.276274			3
3.32	3.34	3.36	49293.57	224.407461			3
3.39	3.41	3.43	84803.77	428.419119			4
3.55	3.57	3.59	244935.3	1664.756344			5
+ 3.64	3.64	3.68	67387.48	481.588444			6
3.64	3.66	3.68	330470.9	2361.729011			6
Height Summation:			**797673.47**				
Amount Avg CF:			**836.777069**	Linear:			
Aroclor-1242					6	107.83	
2.80	2.83	2.84	32695.41	114.05844			1
3.13	3.15	3.17	55474.52	167.47556			2
+ 3.32	3.33	3.36	8188.144	23.893455			3
3.32	3.34	3.36	49293.57	143.841354			3
3.39	3.41	3.43	84803.77	254.59695			4
+ 3.58	3.59	3.62	110873.3	1054.492663			5
3.58	3.61	3.62	132551.7	1260.671371			5
+ 3.64	3.64	3.68	67387.48	280.8145			6
3.64	3.66	3.68	330470.9	1377.125552			6
Height Summation:			**685289.87**				
Amount Avg CF:			**552.961538**	Linear:			
Aroclor-1248					6	129.24	
3.43	3.45	3.47	321838.9	779.624352			1
3.55	3.57	3.59	244935.3	506.385113			2
+ 3.64	3.64	3.68	67387.48	188.568123			3
3.64	3.66	3.68	330470.9	924.745625			3
3.77	3.79	3.81	2018878	3049.451639			4
4.12	4.14	4.16	4226853	13380.629914			5
E 4.28	4.30	4.32	3787096	20545.29167			6
Height Summation:			**10930072.1**				
Amount Avg CF:			**6531.021385**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592784** ACF DF20 AMW63 Sample ID: AE **Batchnumber: 162850022A**
Sample Amount: 10.03 g Total Volume: 200 ml Analyst: 2855 SDG: ATD81 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 19, 2016 03:21:37
Instrument : CP 7--19843A
Result file : 07PCBS16283008.0026.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	30.55	
4.68	4.69	4.72	1415493	6372.905603			1
4.97	4.99	5.01	1921868	15074.740151			2
5.15	5.16	5.19	1245779	7854.054559			3
5.31	5.33	5.35	1811609	8855.563685			4
5.55	5.57	5.59	5025793	10181.813137			5
5.76	5.78	5.80	2999313	10508.113067			6
Height Summation:			**14419855**				
Amount Avg CF:			**9807.865034**	Linear:			
Aroclor-1262					6	46.33	
E 5.15	5.16	5.19	1245779	4027.973578			1
E 5.31	5.33	5.35	1811609	6302.382785			2
E 5.55	5.57	5.59	5025793	7202.100679			3
E 5.76	5.78	5.80	2999313	7367.924058			4
5.81	5.82	5.85	218290.6	1022.621762			5
+ 5.81	5.83	5.85	200077.8	937.300609			5
E 6.18	6.20	6.22	1389506	5132.070953			6
Height Summation:			**12690290.6**				
Amount Avg CF:			**5175.845636**	Linear:			
Aroclor-1268					6	150.76	
E 5.75	5.78	5.79	2999313	221453.500015			1
E 5.81	5.82	5.85	218290.6	182773.619097			2
E+ 5.81	5.83	5.85	200077.8	167524.133457			2
5.94	5.96	5.98	42540.57	906.756958			3
6.01	6.02	6.05	73299.73	2683.576188			4
E 6.18	6.20	6.22	1389506	5273.937342			5
6.38	6.40	6.42	287699.1	430.172971			6
Height Summation:			**5010649**				
Amount Avg CF:			**68920.260428**	Linear:			

Analysis Report (B)

Injected on : Oct 19, 2016 03:21:37
Instrument : CP 7--19843B
Result file : 07PCBS16283008B.0026.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	72.55	
4.06	4.08	4.10	1728486	3150.593726			1
4.12	4.14	4.16	4226853	4380.427705			2
4.21	4.23	4.25	5792084	12191.73767			3
4.28	4.30	4.32	3787096	6591.345827			4
E 4.35	4.36	4.39	7830820	22032.8307			5
4.49	4.51	4.53	3605631	8909.117686			6
Height Summation:			**26970970**				
Amount Avg CF:			**9542.675552**	Linear:			
Aroclor-1260					6	13.87	
4.21	4.23	4.25	5792084	7553.208622			1
4.35	4.36	4.39	7830820	9216.203221			2
4.45	4.46	4.48	5159208	7795.400237			3
4.79	4.80	4.82	4667692	8380.97262			4
+ 4.79	4.82	4.82	1423898	2556.649015			4
4.98	5.00	5.02	13642850	10664.11156			5
5.24	5.25	5.28	7713980	9975.63354			6
Height Summation:			**44806634**				
Amount Avg CF:			**8930.921633**	Linear:			
Aroclor-1262					6	32.76	
4.60	4.62	4.64	3398922	3499.569604			1
E 4.78	4.80	4.82	4667692	4714.104342			2
E 4.98	5.00	5.02	13642850	7160.770072			3
5.19	5.21	5.23	2291275	3220.844399			4
E 5.24	5.25	5.28	7713980	6962.075448			5
E 5.62	5.64	5.66	3303398	5041.918732			6
Height Summation:			**35018117**				
Amount Avg CF:			**5099.880433**	Linear:			
Aroclor-1268					6	125.08	
5.19	5.21	5.23	2291275	1224.419297			1
5.24	5.25	5.28	7713980	3978.469798			2
5.39	5.41	5.43	142640	87.71385			3
5.46	5.48	5.50	57563.67	136.739042			4
E 5.62	5.64	5.66	3303398	5209.39481			5
5.82	5.84	5.86	685295.9	129.835344			6
Height Summation:			**14194152.57**				
Amount Avg CF:			**1794.42869**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1016.9493	197.4078		** 69.73	4	40	
Aroclor-1221			1016.9493	305.0848		** 77.60	3	40	
Aroclor-1232			1016.9493	245.2642		** 65.36	4	40	
Aroclor-1242			1016.9493	245.2642		** 76.98	4	40	
Aroclor-1248			1016.9493	197.4078		** 73.48	4	40	
Aroclor-1254			1016.9493	263.2104		28.67	4	40	
Aroclor-1260			1016.9493	233.3001		9.36	4	40	
Aroclor-1262			1016.9493	197.4078	E	1.48	4	40	
Aroclor-1268			1016.9493	197.4078	E	** 189.85	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8592784ACF DF20 AEAMW63 T 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 3:21:37 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.527		20247	21194
1.607		1483	1471
1.634		13692	14015
1.7		1296	590
1.943		5574	7507
1.995		9640	15219
2.054		12647	36512
2.156		46845	57705
2.269		6060	9218
2.338		7185	13756
2.409		3608	6354
2.45		4086	9683
2.521		4272	8320
2.584		8791	8239
2.604		29105	23414
2.664		2775	4776
2.692		2307	1802
2.716		1660	1271
2.746		643	99
2.799		2918	4601
2.879	TCX	227478	170461
2.968		2922	2011
2.993		7152	5146
3.03		1848	1602
3.138		3721	3779
3.184		16855	9710
3.254		1316	565
3.328		1421	710
3.349		5643	3334
3.367		3812	2801
3.404		1570	856
3.432		4844	5030
3.464		8751	5046
3.537		7730	5087
3.573		4311	2425
3.641		60229	70531
3.678		22714	18173
3.733		21692	20418
3.779		2341	1838
3.801		83408	60698
3.828		48025	38325
3.848		14331	7471
3.923		57534	41025
3.947		22741	15513
3.977		31866	23611
4.013		91035	90191
4.052		15767	12304
4.081		2115	1247
4.097		4799	3063
4.133		10331	8481
4.17		256036	188817
4.19		220411	140707
4.213		236795	171807

RT A	Compound A	Height A	Area A
4.28		109355	93099
4.321		633660	615949
4.355		329547	268934
4.395		19440	14329
4.418		40665	31645
4.461		269534	260025
4.513		405422	372237
4.543		194667	130972
4.573		1223112	1093001
4.618		496436	555714
4.657		282944	223165
4.695		1415493	1400157
4.745		132921	119585
4.787		1234400	1208958
4.814		11583	5777
4.841		339567	330480
4.894		2343040	2937962
4.942		311814	274380
4.985		1921868	1917662
5.029		105932	79973
5.065		248105	313052
5.102		3507995	3304073
5.124		86950	42356
5.164		1245779	1151581
5.208		867849	869918
5.253		9358	9161
5.329		1811609	2802883
5.388		824003	768865
5.428		452816	423710
5.467		80029	78103
5.513		745038	685298
5.54		62479	35676
5.57		5025793	4902154
5.604		26481	16307
5.664		7299	6899
5.692		4982	3708
5.736		2420	1038
5.776		2999313	3097543
5.815		218291	272894
5.828		200078	160395
5.959		42541	67745
6.023		73300	52387
6.047		491026	443461
6.11		3769	4007
6.171		1815	867
6.202		1389506	1368422
6.248		83744	81322
6.4		287699	305731
6.543	DCB	286453	342443
6.619		7633	8057
6.753		13728	35361
6.809		4824	4515
6.85		5802	6639
6.952		1240	1248
6.981		1214	1587
7.004		2157	2283
7.055		1405	1740
7.081		1250	801
7.353		1363	2371
7.41		1346	648
7.513		1184	4138
7.576		1683	1126
7.651		1173	427
7.683		4583	5458
7.748		1200	1528
7.808		1279	1863

RT A	Compound A	Height A	Area A
7.868		1696	3219
7.926		15712	26930
8.042		1160	830
8.094		1714	1583
8.193		1052	2432
8.212		1025	312
8.281		1764	1934
8.359		1429	1129
8.415		3164	6331
8.505		1092	1743
8.578		10017	23884

LANCASTER LABORATORIES

Sample Number: 8592784ACF DF20 AEAMW63 T 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 3:21:37 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.509		2276	1809
1.556		2594	1778
1.598		4554	5789
1.673		5125	12217
1.718		15190	18069
1.795		8485	28461
1.847		15575	18891
1.876		120209	94419
1.922		18604	48435
2.034		7832	10562
2.082		6112	8047
2.134		1272	1240
2.155		5481	7010
2.229		3075	1292
2.268		4646	2480
2.283		76350	42507
2.337		1137	481
2.37		1503	1349
2.41		3144	2992
2.461		1474	1236
2.533	TCX	725462	455193
2.623		4095	7954
2.684		1592	1470
2.706		22255	12362
2.747		1580	1147
2.786		1234	1092
2.83		32695	13290
2.841		92360	42491
2.907		1360	605
2.928		2757	2024
2.991		1066	1190
3.026		17762	8939
3.077		4255	2717
3.098		6869	4061
3.123		12353	6747
3.146		55475	42066
3.185		31724	24140
3.231		18975	9882
3.246		5463	3125
3.272		1926	909
3.296		31976	17283
3.304		106486	47758
3.325		8188	3194
3.34		49294	41494
3.411		84804	58180
3.448		321839	194961
3.47		248342	138211
3.487		94047	45686
3.54		2910	1354
3.572		244935	161573
3.594		110873	59125
3.615		132552	80113
3.643		67387	32164
3.659		330471	196329

3.698		78568	55318
3.741		55169	51920
3.768		267384	161415
3.79		2018878	1298754
3.814		782538	462274
3.833		148337	73595
3.853		393767	248569
3.887		2251839	1520222
3.917		1681379	1639413
3.994		175166	135202
4.027		929653	709812
4.056		127307	84315
4.082		1728486	1245523
4.114		1030525	840776
4.141		4226853	3950517
4.179		794020	792164
4.23		5792084	4507730
4.267		472655	356074
4.298		3787097	2642401
4.323		1215415	840417
4.365		7830820	6152802
4.417		19754	13300
4.463		5159208	5358586
4.51		3605631	2989491
4.552		1838758	1605939
4.588		10588100	8851341
4.62		3398922	2423373
4.657		2541378	1987092
4.713		34593	18282
4.729		32110	18859
4.753		626149	415969
4.772		281678	164531
4.803		4667692	3363562
4.825		1423899	972734
4.875		2649319	2318113
4.91		1345500	1089909
4.941		1072108	840099
4.971		745179	474846
4.995		13642850	11252560
5.036		240156	169151
5.066		352820	299521
5.113		7191	4538
5.131		19481	12839
5.186		105530	63726
5.209		2291275	1905959
5.253		7713981	8982692
5.353		2984	1988
5.409		142640	125746
5.456		264757	204939
5.477		57564	34016
5.501		10575	5844
5.526		1428198	1210637
5.573		13057	9618
5.637		3303398	2861220
5.668		180564	134251
5.749		3821	4367
5.792		2776	2662
5.836		685296	610312
5.887		3198	2026
5.927		2436	2540
5.995	DCB	629955	591459
6.092		2430	2715
6.167		5823	3734
6.191		48439	43039
6.265		7839	8690
6.419		4395	5728
6.44		3953	2939

6.476	3336	3318
6.559	1223	751
6.67	1508	1705
6.725	2781	3507
6.807	1437	1020
6.839	1956	1577
6.891	7913	9831
6.946	1265	787
6.996	1392	981
7.108	1347	2972
7.163	1856	2351
7.301	3666	10503
7.389	22458	30403
7.581	1196	1739
7.673	531	197
7.766	1367	1217
7.825	1078	1214
7.911	5265	10095
8.011	1809	2192
8.202	14804	29251
8.429	835	850

8592784ACF DF20 AEAMW63 T 162850022A 10225 SW-846 808

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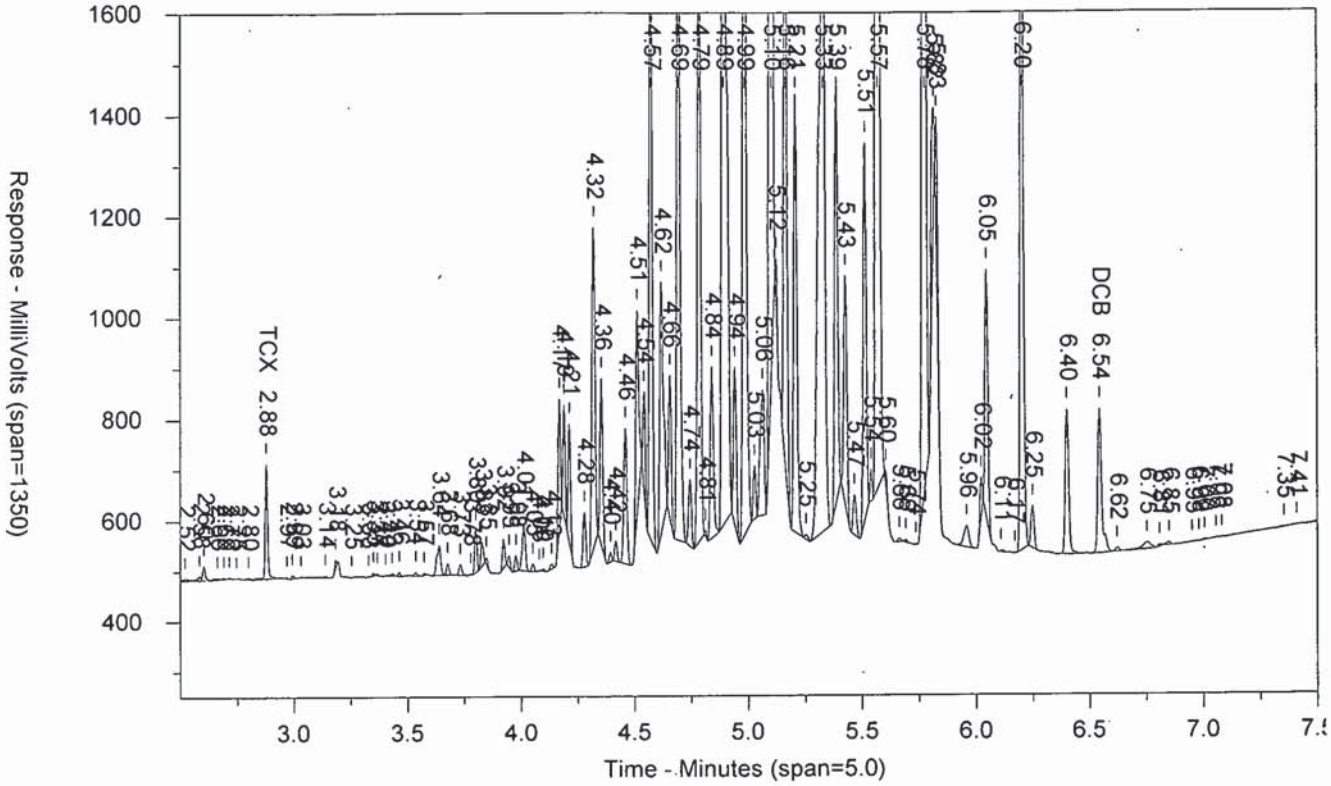

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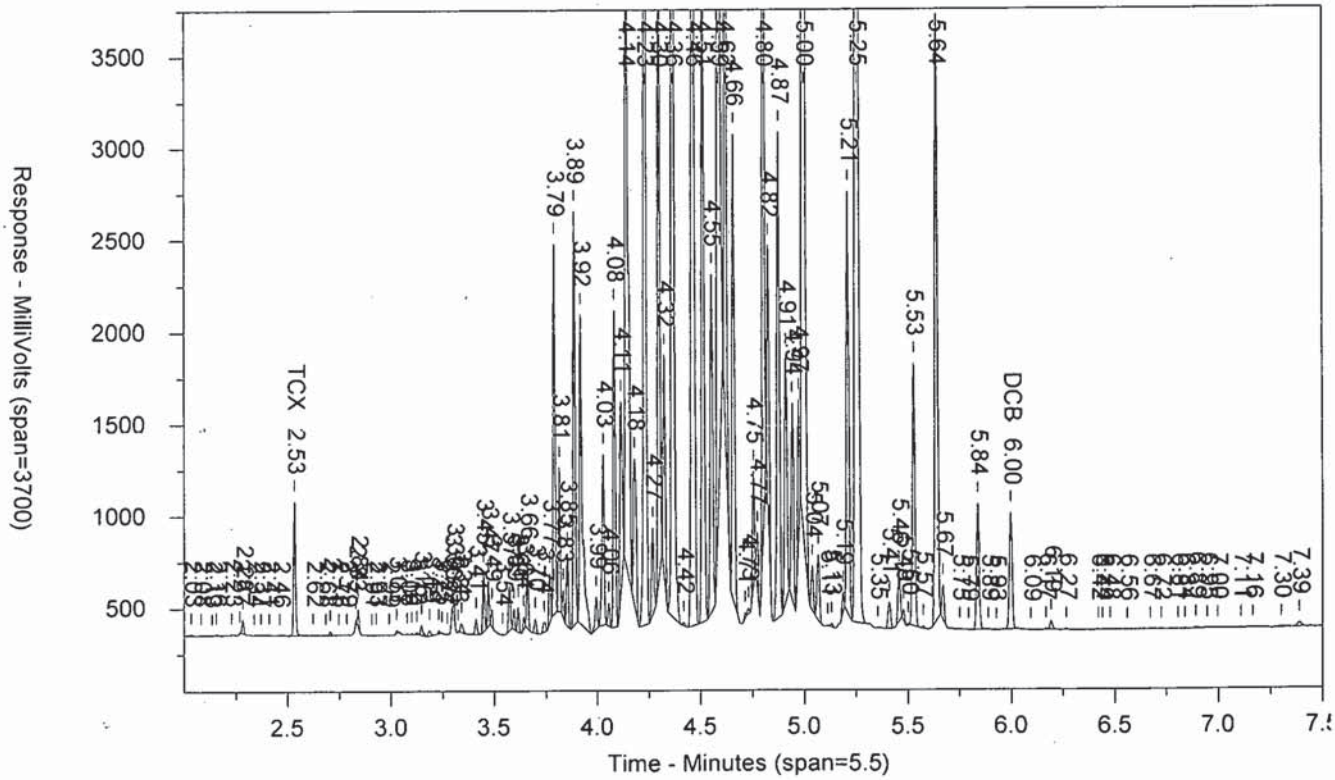

LANCASTER LABORATORIES

Sample Number: 8592784ACF DF20 AEAMW63 T 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 3:21:37 AM
Sample Weight: 10.03
Instrument ID: CP7-19843A
Dilution Factor: 200
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.879	227478	34.534	TCX	2.533	725462	35.108	TCX
6.543	286453	45.452	DCB	5.995	629955	46.777	DCB

Files:
Area File: 07pcbs16283008.0026.RAW
Area File: 07pcbs16283008B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2016 3:30:20 AM
File Reported On: 10/19/2016 at 2:38:04 PM

8592784ACF DF20 AEAMW63 T 162850022A 10225 SW-846 808

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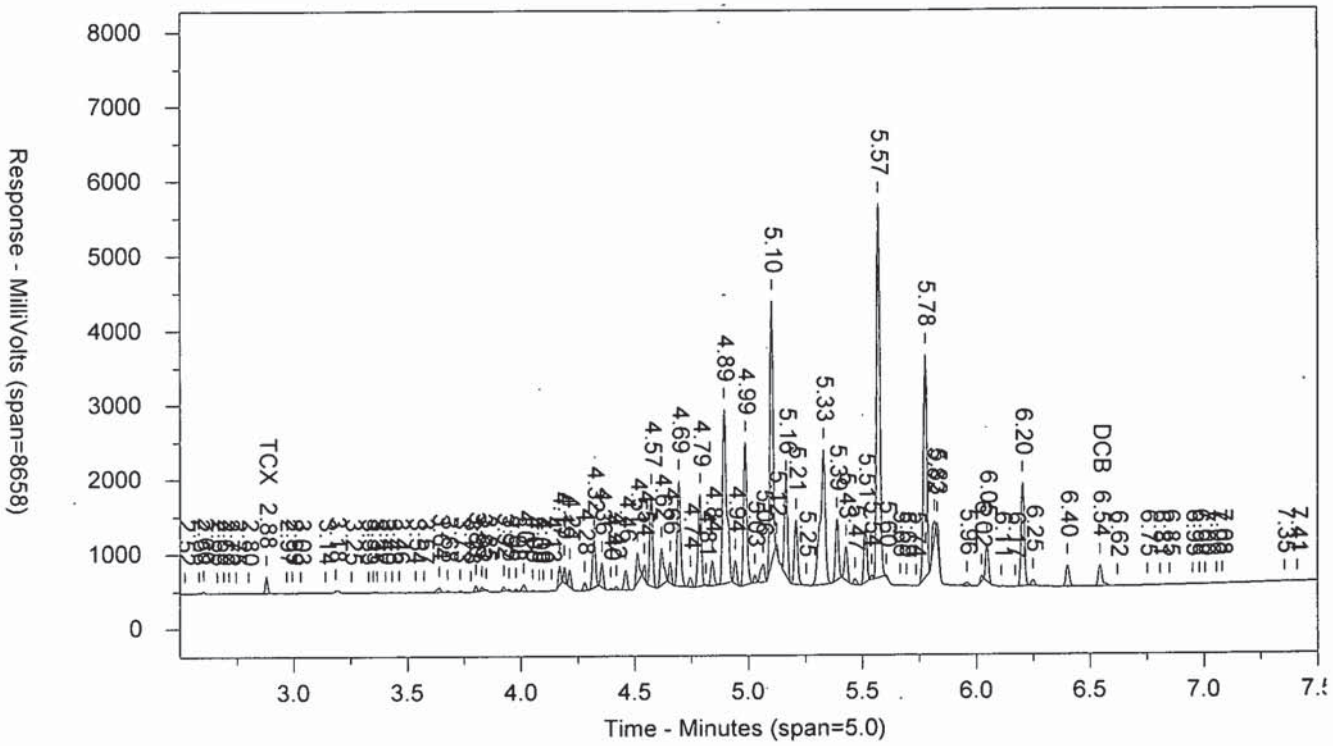

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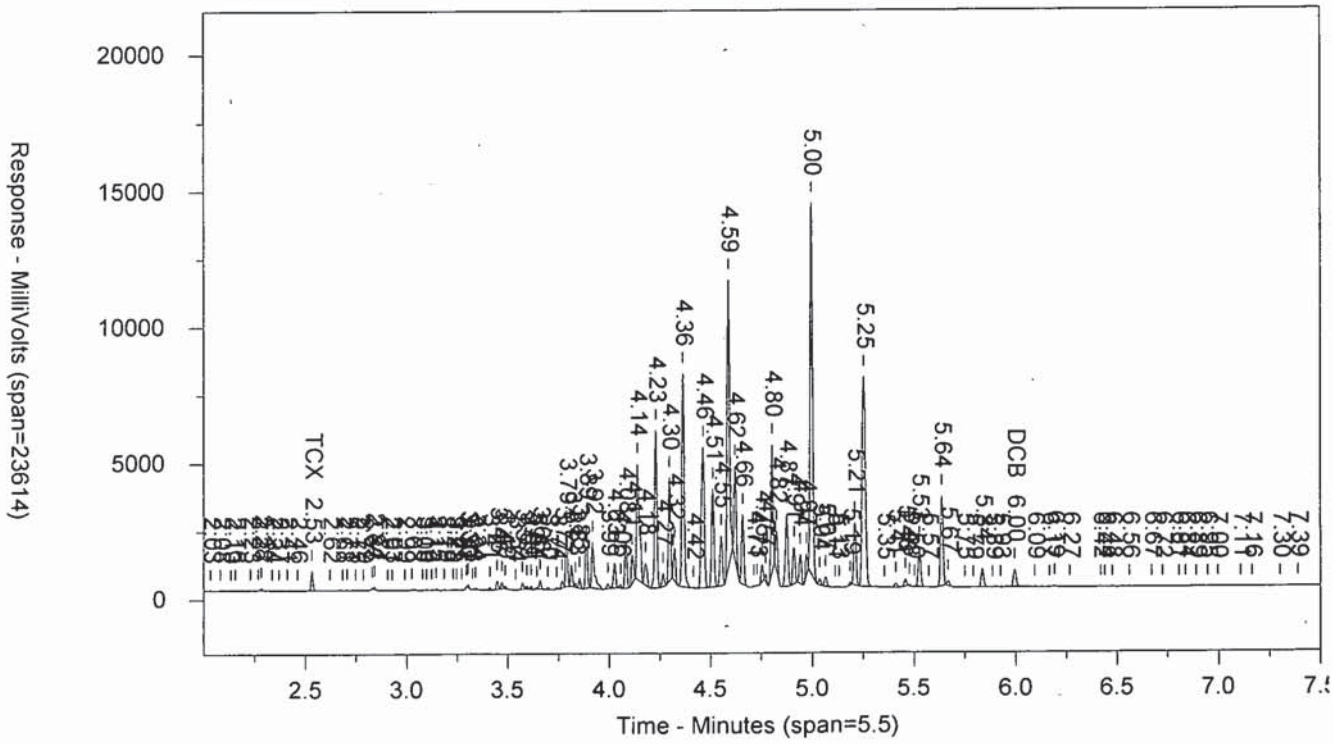

Standards Data

Polychlorinated Biphenyls (PCBs)

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS16283001.seq

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

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

Number of Entries: 31

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	
2 CONDITIONER	2	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	
3 CONDITIONER	3	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	
4 CONDITIONER	4	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	
5 IBLKX1624B	5	PIBLK	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1628299999	10736
6 EVALX1624A	6	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
7 AR1611624B	7	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	1	1628299999	10736
8 AR1621624B	8	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	2	1628299999	10736
9 AR1631624B	9	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	3	1628299999	10736
10 AR1641624B	10	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	4	1628299999	10736
11 AR1651624B	11	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	5	1628299999	10736
12 AR4811624B	12	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
13 AR4821624B	13	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
14 AR4831624B	14	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
15 AR4841624B	15	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
16 AR4851624B	16	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
17 AR5411624B	17	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
18 AR5421624C	18	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
19 AR5431624B	19	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
20 AR5441624B	20	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
21 AR5451624B	21	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
22 AR6231624A	22	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
23 AR6831624B	23	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
24 AR2131624A	24	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
25 AR3231624D	25	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
26 AR4231624A	26	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
27 AR16XX1624B	27	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
28 MD16X1624B	28	ICAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
29 IC16X1624B	29	CCAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
30 IC48X1624B	30	CCAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736
31 IC54X1624B	31	CCAL	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628299999	10736

9065
10/10/16

Set-up by: 2855 Date: 9Oct16

10/9/2016

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs16283004.seq

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

Number of Entries: 94

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	
2	CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	
3	CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	
4	CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	
5	AR1631624B	5	CCAL	OZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	10736
6	IBLKX1624B	6	PIBLK	FX	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1628699999	10736
7	BLANKA 10/10/16 AF	7	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	162820002A	06030
8	LCSA 10/10/16 AF	8	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	162820002A	06030
9	LCSDA 10/10/16 AF	9	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	162820002A	06030
10	8629132AF	10	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	951	10	1	0	162820002A	06030
11	8629133AF	11	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	962	10	1	0	162820002A	06030
12	8629134AF	12	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	968	10	1	0	162820002A	06030
13	BLANKA 10/11/16 AF	13	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	162850012A	06030
14	LCSA 10/11/16 AF	14	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	162850012A	06030
15	LCSDA 10/11/16 AF	15	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	162850012A	06030
16	8629827AF	16	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1011	10	1	0	162850012A	06030
17	8629829AF	17	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1019	10	1	0	162850012A	06030
18	8632952AF	18	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1026	10	1	0	162850012A	06030
19	AR1631624B	19	CCAL	PA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	10736
20	IBLKX1624B	20	PIBLK	FY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1628699999	10736
21	BLANKA 10/11/16 AF	21	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162850028A	10591
22	LCSA 10/11/16 AF	22	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162850028A	10591
23	LCSDA 10/11/16 AF	23	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162850028A	10591
24	8621413RAF	24	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	211	2	1	0	162850028A	10591
25	8621414RAF	25	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	219	2	1	0	162850028A	10591
26	8621424RAF	26	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	162850028A	10591
27	8621608AF	27	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	239	2	1	0	162850028A	10591
28	8621608AF DF5	28	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	239	10	1	0	162850028A	10591
29	8621608AF DF10	29	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	239	20	1	0	162850028A	10591
30	8621609AF	30	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	162850028A	10591
31	8621610AF	31	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	225	2	1	0	162850028A	10591
32	8621611AF	32	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	162850028A	10591
33	8621612AF	33	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	162850028A	10591
34	8621613AF	34	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	243	2	1	0	162850028A	10591
35	8621620AF	35	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	162850028A	10591
36	8621621AF	36	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	162850028A	10591
37	8621622AF	37	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	162850028A	10591
38	8621623AF	38	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	236	2	1	0	162850028A	10591
39	8621624AF	39	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	162850028A	10591
40	8621625AF	40	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	162850028A	10591
41	AR1631624B	41	CCAL	PB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	10736
42	IBLKX1624B	42	PIBLK	FZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1628699999	10736
43	8623466AF	43	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	235	2	1	0	162850028A	10591
44	8626847AF	44	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	234	2	1	0	162850028A	10591
45	8626868AF	45	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	236	2	1	0	162850028A	10591
46	BLANKA 10/12/16 ACF	46	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	162850022A	10225
47	LCSA 10/12/16 ACF	47	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	162850022A	10225
48	8592780ACF DF20	48	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	200	1	0	162850022A	10225
49	8592781ACF	49	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.21	10	1	0	162850022A	10225
50	8592782MSACF	50	MS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	10	1	0	162850022A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs16283004.seq

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

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

Number of Entries: 94

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 8592783MSDACF	51	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	10	1	0	162850022A	10225
52 8592784ACF	52	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	10	1	0	162850022A	10225
53 8592784ACF DF5	53	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	50	1	0	162850022A	10225
54 8592812ACF	54	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.18	10	1	0	162850022A	10225
55 8592813ACF DF50	55	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	500	1	0	162850022A	10225
56 8592814ACF	56	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	10	1	0	162850022A	10225
57 8592815ACF DF5	57	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	50	1	0	162850022A	10225
58 8592816ACF DF10	58	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.06	100	1	0	162850022A	10225
59 8592817ACF DF10	59	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	100	1	0	162850022A	10225
60 8592817ACF DF20	60	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	200	1	0	162850022A	10225
61 8592818ACF DF5	61	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	50	1	0	162850022A	10225
62 8592819ACF	62	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	10	1	0	162850022A	10225
63 AR1631624B	63	CCAL	PC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	10736
64 IBLKX1624B	64	PIBLK	GA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1628699999	10736
65 8592819ACF DF5	65	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	50	1	0	162850022A	10225
66 BLANKA 10/10/16 RI ACF	66	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3	10	1	0	162820003A	10736
67 LCSA 10/10/16 RI ACF	67	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3	10	1	0	162820003A	10736
68 8629944ACF	68	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.21	10	1	0	162820003A	10736
69 8629945ACF DF10	69	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.04	100	1	0	162820003A	10736
70 8629946ACF	70	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.37	10	1	0	162820003A	10736
71 8629947ACF	71	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.42	10	1	0	162820003A	10736
72 8629947ACF DF5	72	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.42	50	1	0	162820003A	10736
73 8629948ACF DF100	73	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.08	1000	1	0	162820003A	10736
74 8629949ACF DF100	74	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.11	1000	1	0	162820003A	10736
75 8629950ACF DF100	75	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.06	1000	1	0	162820003A	10736
76 8629951ACF DF100	76	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.08	1000	1	0	162820003A	10736
77 8629952ACF DF100	77	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.49	1000	1	0	162820003A	10736
78 8629953ACF	78	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.23	10	1	0	162820003A	10736
79 8629953ACF DF5	79	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.23	50	1	0	162820003A	10736
80 8629954ACF	80	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.05	10	1	0	162820003A	10736
81 8629954ACF DF5	81	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.05	50	1	0	162820003A	10736
82 8629955ACF DF5	82	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.02	50	1	0	162820003A	10736
83 8629956ACF	83	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3	10	1	0	162820003A	10736
84 8629957ACF	84	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.3	10	1	0	162820003A	10736
85 AR1631624B	85	CCAL	PD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	10736
86 IBLKX1624B	86	PIBLK	GB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1628699999	10736
87 8629957ACF DF5	87	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.3	50	1	0	162820003A	10736
88 8629958ACF DF100	88	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.23	1000	1	0	162820003A	10736
89 8629959ACF DF5	89	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.1	50	1	0	162820003A	10736
90 8629960ACF DF5	90	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.06	50	1	0	162820003A	10736
91 8629961ACF DF100	91	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.2	1000	1	0	162820003A	10736
92 8629962ACF	92	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	3.32	10	1	0	162820003A	10736
93 AR1631624B	93	CCAL	PE	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1628699999	10736
94 IBLKX1624B	94	PIBLK	GC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1628699999	10736

aeg 9558 10/14/16

Set-up by: 9065 Date: 10/13/16

10/13/2016

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs16283008.seq

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

Number of Entries: 89

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1 CONDITIONER	1	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	
2 CONDITIONER	2	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	
3 CONDITIONER	3	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	
4 CONDITIONER	4	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	
5 AR1631624B	5	CCAL	RO	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
6 IBLKX1624B	6	PIBLK	JS	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1629199999	10736
7 BLANKA 10/11/16 CAF	7	BLK	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162850028A	10591
8 LCSA 10/11/16 CAF	8	LCS	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162850028A	10591
9 LCSDA 10/11/16 CAF	9	LCSD	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	162850028A	10591
10 8621413RCAF	10	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	211	2	1	0	162850028A	10591
11 8621414RCAF	11	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	219	2	1	0	162850028A	10591
12 8621424RCAF	12	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	162850028A	10591
13 8621608CAF	13	T	AE	)EPT-24\ACTIVE\CP7\07PCBS.MET	239	2	1	0	162850028A	10591
14 8621613CAF	14	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	243	2	1	0	162850028A	10591
15 8621620CAF	15	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	162850028A	10591
16 8621623CAF	16	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	236	2	1	0	162850028A	10591
17 AR1631624B	17	CCAL	RP	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
18 IBLKX1624B	18	PIBLK	JT	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1629199999	10736
19 8592781ACF DF5	19	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.21	50	1	0	162850022A	10225
20 8592781ACF DF10	20	T	AE	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.21	100	1	0	162850022A	10225
21 8592782MSACF DF5	21	MS	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.05	50	1	0	162850022A	10225
22 8592782MSACF DF10	22	MS	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.05	100	1	0	162850022A	10225
23 8592783MSDACF DF5	23	MSD	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.09	50	1	0	162850022A	10225
24 8592783MSDACF DF10	24	MSD	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.09	100	1	0	162850022A	10225
25 8592784ACF DF10	25	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.03	100	1	0	162850022A	10225
26 8592784ACF DF20	26	T	AE	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.03	200	1	0	162850022A	10225
27 8592813ACF	27	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.09	10	1	0	162850022A	10225
28 8592813ACF DF5	28	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.09	50	1	0	162850022A	10225
29 AR1631624B	29	CCAL	RQ	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
30 IBLKX1624B	30	PIBLK	JU	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1629199999	10736
31 8592813ACF DF10	31	T	AE	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.09	100	1	0	162850022A	10225
32 8592815ACF DF10	32	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.08	100	1	0	162850022A	10225
33 8592815ACF DF20	33	T	AE	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.08	200	1	0	162850022A	10225
34 8592816ACF	34	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	10.06	10	1	0	162850022A	10225
35 BLANKA 10/18/16 ACF	35	BLK	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3	10	1	0	162910031A	10736
36 LCSA 10/18/16 ACF	36	LCS	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3	10	1	0	162910031A	10736
37 AR1631624B	37	CCAL	RR	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
38 IBLKX1624B	38	PIBLK	JV	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1629199999	10736
39 8640672ACF	39	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.42	10	1	0	162910031A	10736
40 8640673ACF DF5	40	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.25	50	1	0	162910031A	10736
41 8640674ACF DF5	41	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.21	50	1	0	162910031A	10736
42 8640675ACF	42	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.07	10	1	0	162910031A	10736
43 8640676ACF	43	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.34	10	1	0	162910031A	10736
44 8640677ACF	44	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.27	10	1	0	162910031A	10736
45 8640677ACF DF5	45	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.27	50	1	0	162910031A	10736
46 8640678ACF DF5	46	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.32	50	1	0	162910031A	10736
47 8640678MSACF DF5	47	MS	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.31	50	1	0	162910031A	10736
48 8640678MSDACF DF5	48	MSD	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.2	50	1	0	162910031A	10736
49 8640679ACF	49	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.1	10	1	0	162910031A	10736
50 8640679ACF DF5	50	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.1	50	1	0	162910031A	10736

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs16283008.seq

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

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

Number of Entries: 89

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51 8640680ACF DF10	51	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.26	100	1	0	162910031A	10736
52 8640680ACF DF20	52	T	AD	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.26	200	1	0	162910031A	10736
53 8640681ACF DF5	53	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.1	50	1	0	162910031A	10736
54 8640682ACF	54	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.11	10	1	0	162910031A	10736
55 8640683ACF	55	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.22	10	1	0	162910031A	10736
56 8640684ACF	56	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.28	10	1	0	162910031A	10736
57 8640685ACF DF5	57	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.06	50	1	0	162910031A	10736
58 8640686ACF	58	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.31	10	1	0	162910031A	10736
59 AR1631624B	59	CCAL	RS	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
60 IBLKX1624B	60	PIBLK	JW	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1629199999	10736
61 8640687ACF	61	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.18	10	1	0	162910031A	10736
62 8640687ACF DF5	62	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.18	50	1	0	162910031A	10736
63 8640688ACF DF50	63	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.45	500	1	0	162910031A	10736
64 8640689ACF DF5	64	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.06	50	1	0	162910031A	10736
65 8640690ACF	65	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.21	10	1	0	162910031A	10736
66 8640691ACF	66	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	3.45	10	1	0	162910031A	10736
67 AR1631624B	67	CCAL	RT	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
68 IBLKX1624B	68	PIBLK	JX	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1629199999	10736
69 AR4831624B	69	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
70 AR5431624B	70	MISC	AA	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
71 BLANKA 10/18/16 ACF	71	BLK	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	162910032A	10736
72 LCSA 10/18/16 ACF	72	LCS	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	162910032A	10736
73 AR1631624B	73	CCAL	RU	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
74 IBLKX1624B	74	PIBLK	JY	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1629199999	10736
75 8642965ACF DF5	75	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.41	50	1	0	162910032A	10736
76 8642966ACF	76	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.13	10	1	0	162910032A	10736
77 8642966MSACF	77	MS	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.49	10	1	0	162910032A	10736
78 8642966MSDACF	78	MSD	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.14	10	1	0	162910032A	10736
79 8642967ACF	79	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.06	10	1	0	162910032A	10736
80 8642967ACF DF5	80	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.06	50	1	0	162910032A	10736
81 8642968ACF	81	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.2	10	1	0	162910032A	10736
82 8642968ACF DF5	82	T	AC	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.2	50	1	0	162910032A	10736
83 8642969ACF	83	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.13	10	1	0	162910032A	10736
84 8642970ACF	84	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.5	10	1	0	162910032A	10736
85 8642971ACF	85	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.32	10	1	0	162910032A	10736
86 8642972ACF	86	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.31	10	1	0	162910032A	10736
87 8642973ACF	87	T	AB	)EPT-24\ACTIVE\CP7\07PCBS.MET	30.37	10	1	0	162910032A	10736
88 AR1631624B	88	CCAL	RV	)EPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1629199999	10736
89 IBLKX1624B	89	PIBLK	JZ	)EPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1629199999	10736

2004 10/18/16

Set-up by: 2855 Date: 18OCT16

10/18/2016

LANCASTER LABORATORIES

Sample Number: IBLKX1624B AAPIBLKAA PIBLK1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:16:17 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.527		6930	9586
1.691		1016	741
1.97		4954	17545
2.053		6006	10376
2.176		14281	11892
2.25		1730	1097
2.27		8292	6633
2.288		7157	8104
2.333		4459	9465
2.441		2872	10488
2.512		2122	2796
2.656		962	1811
2.674		1380	394
2.719		2442	8079
2.785		1723	877
2.802		1548	977
2.88	TCX	2803020	1900331
3.08		35471	23600
3.151		1275	1117
3.209		6635	4695
3.343		934	823
3.384		1197	1125
3.446		3382	2684
3.52		7230	7950
3.616		6930	7352
3.693		1155	1492
3.716		2418	2452
3.827		1335	3939
3.845		2528	1811
4.115		2052	2812
4.149		1816	2284
4.188		1744	3668
4.244		5212	6276
4.309		1078	436
4.459		2491	3851
4.512		3831	3912
4.661		1152	2117
4.738		1801	2711
4.782		1995	1193
4.817		18183	16472
4.86		1290	965
4.892		1258	524
4.948		1825	1464
4.981		3853	5674
5.058		26210	26701
5.14		1381	752
5.347		1016	932
5.373		10037	11133
5.469		24163	26578
5.591		38158	39197
5.689		1543	1266
5.783		1759	2444
5.817		2065	2872

RT A	Compound A	Height A	Area A
5.962		38922	40309
6.027		41314	35228
6.05		8758	5627
6.122		1751	1340
6.222		1371	1933
6.27		2031	2951
6.332		1354	1256
6.403		27210	28420
6.546	DCB	2904335	3004018
6.779		1578	1158
6.809		1541	660
6.852		1658	858
6.919		974	349
6.997		1779	2033
7.069		1628	2962
7.191		1342	1677
7.25		1385	1011
7.375		1607	2484
7.413		1692	2036
7.438		1773	1433
7.491		1001	1725
7.547		1085	998
7.575		972	681
7.703		721	4115
7.846		1670	2384
7.915		1572	1493
7.967		1514	797
8.043		1352	1817
8.072		1865	1115
8.098		1487	987
8.15		1829	699
8.176		1384	701
8.261		1294	810
8.314		735	1111
8.338		1585	487
8.375		1684	2372
8.416		3847	6585
8.48		2096	893
8.523		1666	2780
8.592		8192	20230
8.674		9164	14404

LANCASTER LABORATORIES

Sample Number: IBLKX1624B AAPIBLKAA PIBLK1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:16:17 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.568		1140	942
1.601		2427	2843
1.648		2244	2068
1.679		1557	1760
1.774		5031	6723
1.789		6785	9121
1.849		57100	53152
1.921		11476	27697
1.975		18462	19279
2.038		1492	1372
2.08		3083	6710
2.125		2795	2448
2.159		3502	4356
2.195		2492	4602
2.313		1164	624
2.331		1322	1939
2.393		1525	922
2.473		2023	3063
2.496		1112	511
2.534	TCX	8898369	5301381
2.625		4435	3478
2.696		3641	3191
2.73		980	557
2.751		112388	65801
2.792		1807	3244
2.867		18351	10715
3.042		3251	3380
3.073		2270	3066
3.109		5175	4206
3.211		21038	12062
3.252		21299	14860
3.335		4977	6058
3.375		5082	3939
3.478		5551	3204
3.599		6997	11411
3.643		5676	8561
3.673		1979	1390
3.744		2703	2232
3.793		2598	7178
3.856		5287	10327
3.91		758	463
3.933		2652	2602
3.983		10469	9618
4.017		2438	1226
4.039		2516	1342
4.059		12409	16186
4.131		5121	11535
4.234		3062	2762
4.273		1337	1020
4.338		54293	48631
4.393		5211	6411
4.464		2774	2235
4.495		2917	1627
4.516		3700	2282

4.56		84016	71707
4.636		4132	5152
4.695		1886	3269
4.74		24409	25269
4.806		2779	2592
4.829		1481	919
4.869		5527	5640
4.945		63525	59657
5.001		1525	2864
5.067		103894	88689
5.187		1004	533
5.211		1032	657
5.228		1676	926
5.337		1129	6738
5.41		102633	92341
5.479		127158	108778
5.528		38935	34427
5.794		2008	2314
5.839		64661	53813
5.868		2230	1324
5.996	DCB	5633980	5239978
6.166		968	941
6.339		1724	3174
6.403		1113	667
6.451		4773	4574
6.581		1260	2854
6.721		826	518
6.796		920	1183
6.997		696	383
7.305		355	4396
7.833		1712	5039
8.01		1881	3618
8.219		1497	1347
8.43		2141	5016

IBLKX1624B AAPIBLKAA PIBLK1628299999 10736 SW-846 8082

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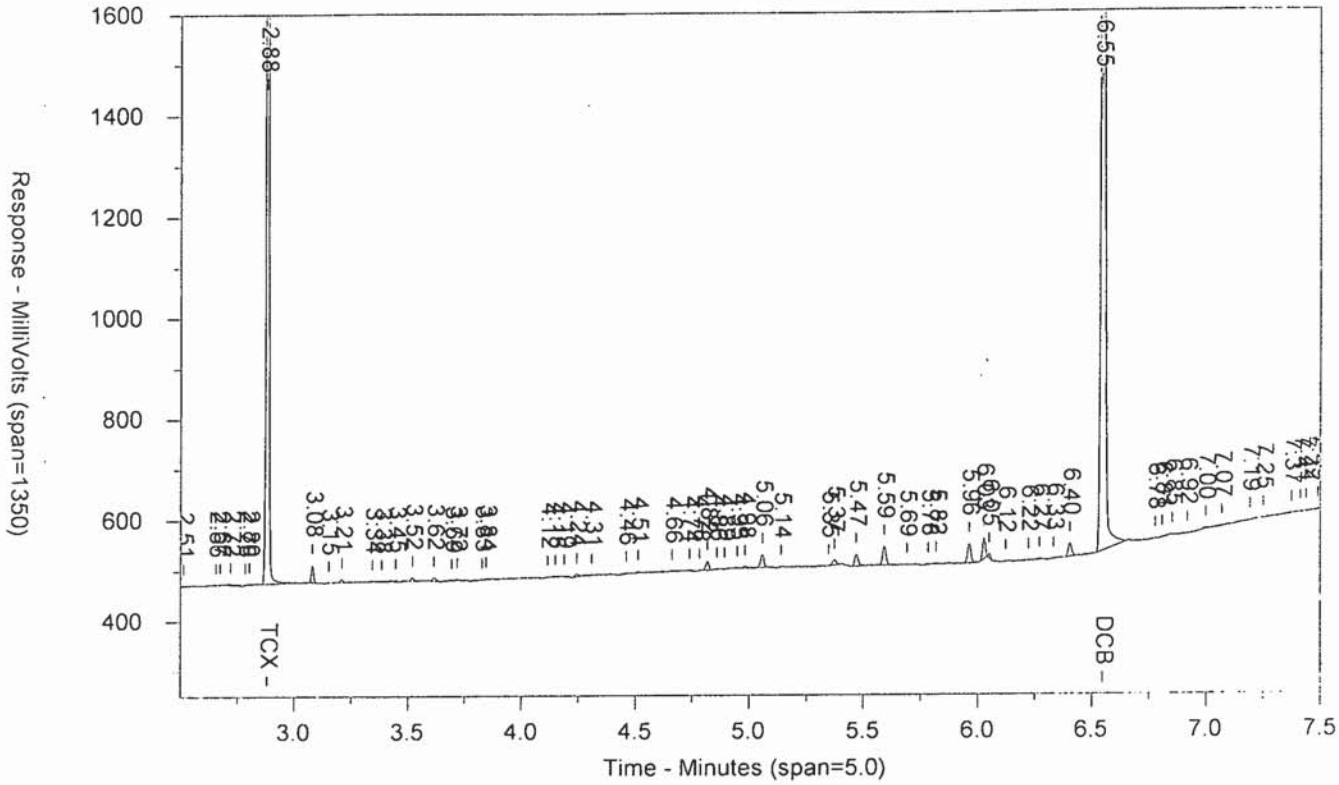

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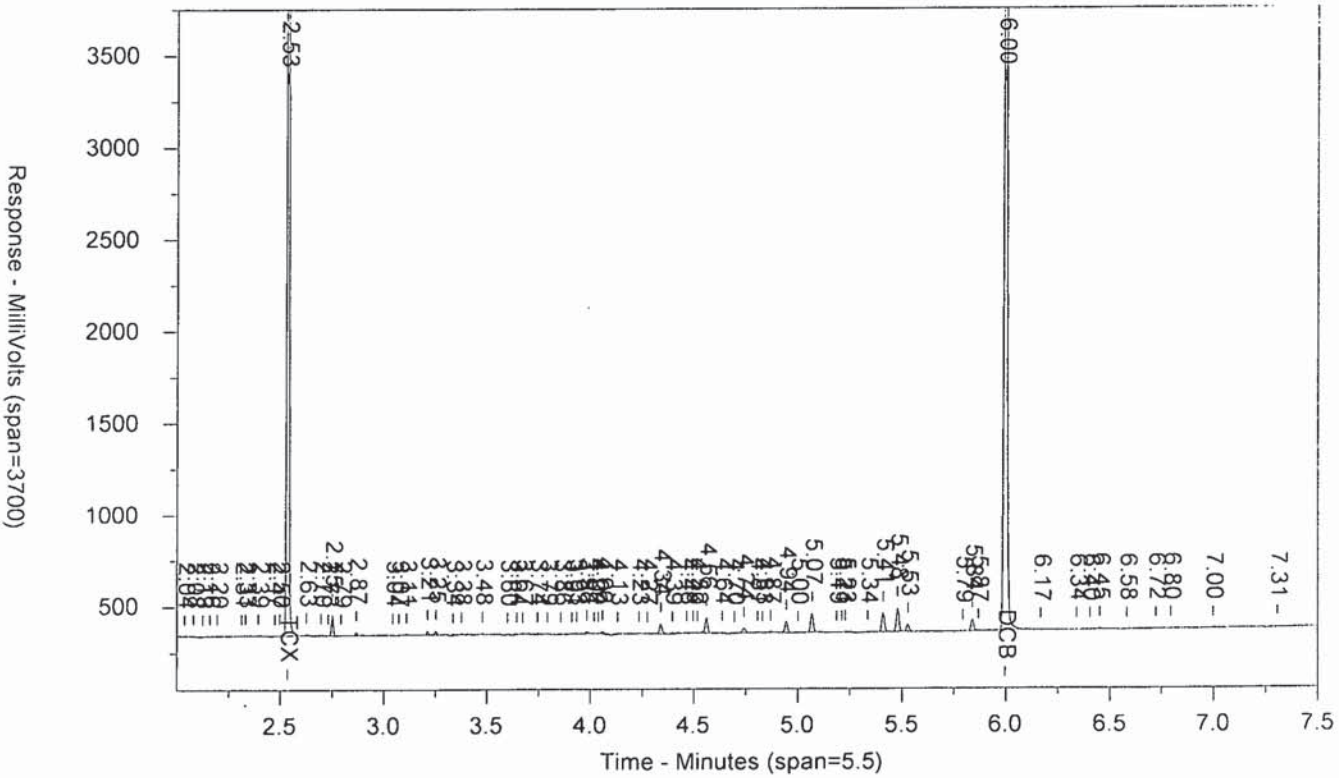

LANCASTER LABORATORIES

Sample Number: IBLKX1624B AAPIBLKAA PIBLK1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:16:17 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	2803020	.215	TCX	2.534	8898369	.223	TCX
6.546	2904335	.234	DCB	5.996	5633980	.217	DCB

Files:
Area File: 07PCBS16283001.0005.RAW
Area File: 07PCBS16283001B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 2:25:01 PM
File Reported On: 10/9/2016 at 2:25:11 PM

IBLKX1624B AAPIBLKAA PIBLK1628299999 10736 SW-846 8082

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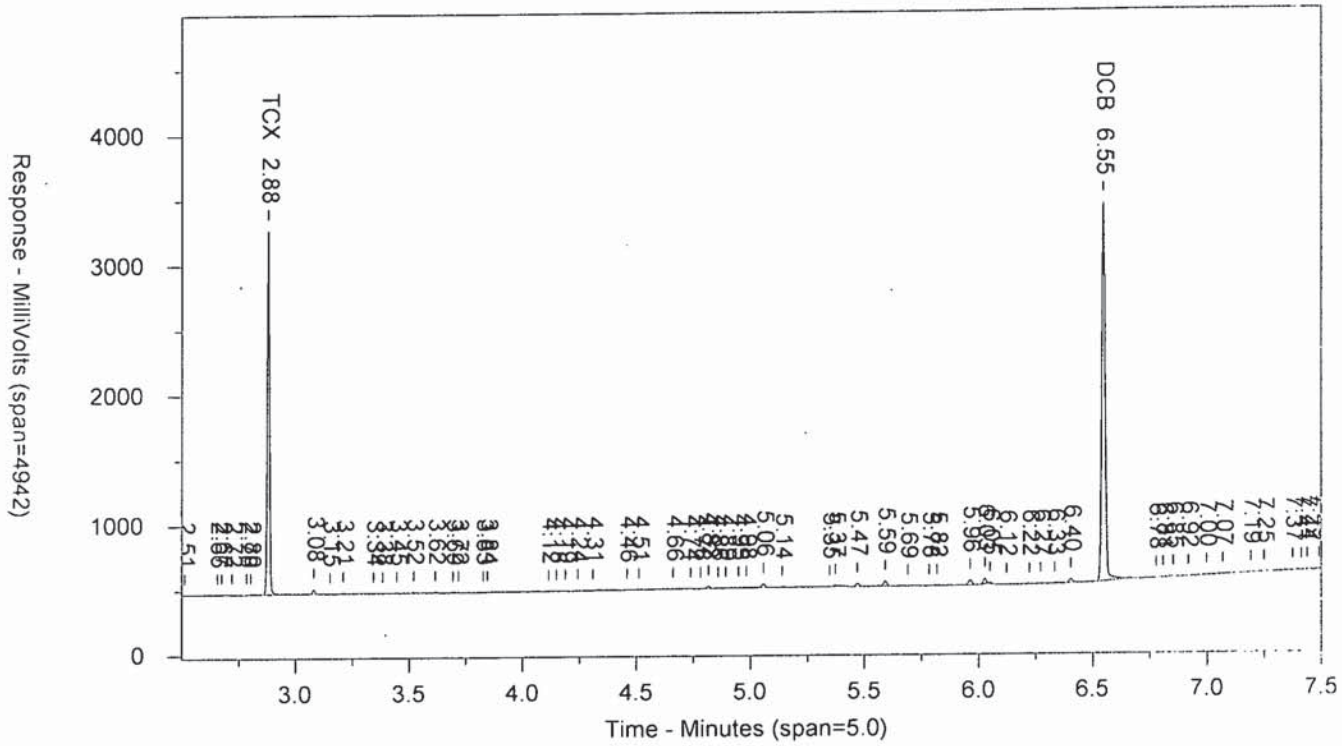

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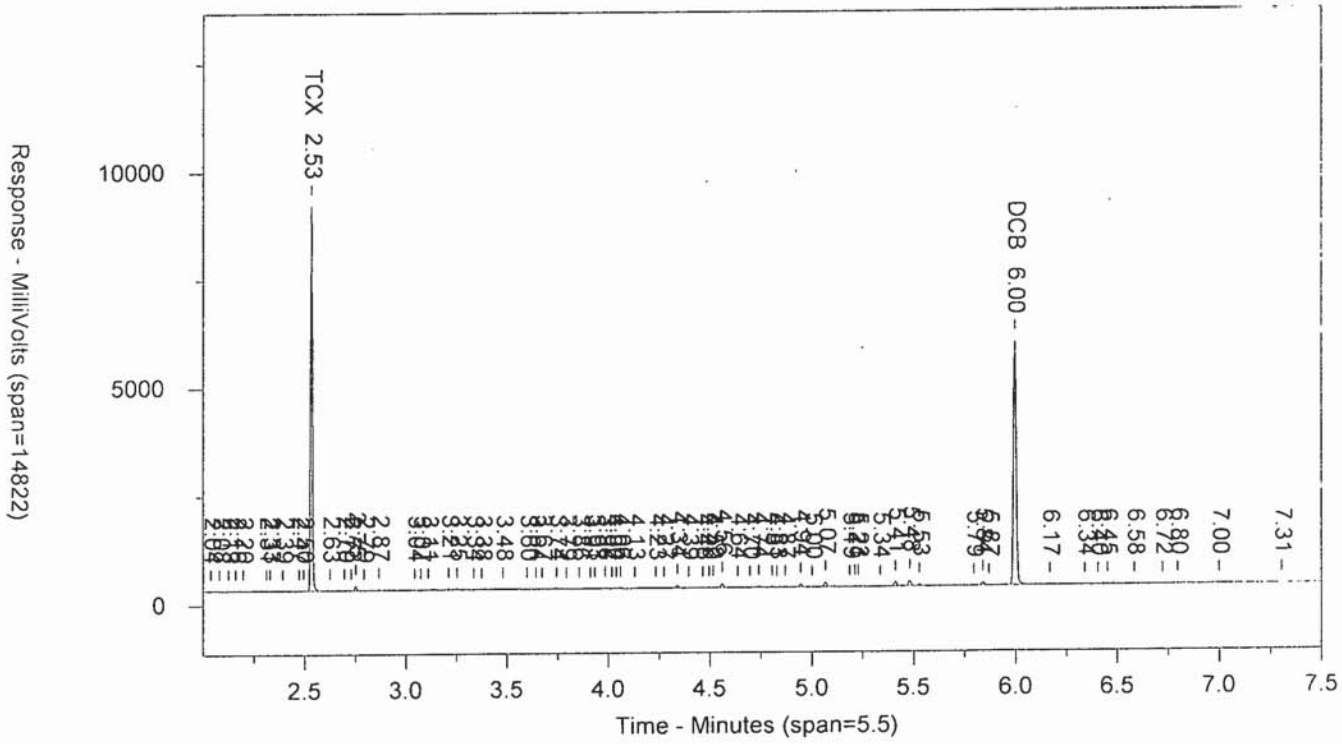

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:27:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.527		7184	9918
1.638		1412	1002
1.656		1592	957
1.963		907	7900
2.06		6539	12315
2.08		7767	6837
2.1		6489	12203
2.177		13300	11051
2.269		8763	5906
2.298		29217	22211
2.338		4060	9225
2.404		5321	9385
2.469		47303	33964
2.511		2618	1422
2.615		1919	1291
2.655		1158	1196
2.734		11023	12971
2.786		1654	1028
2.847		1307	3987
2.881	TCX	2532992	1696467
3.05		1712	2188
3.08		32790	21892
3.12		2256	958
3.167		1251149	796560
3.209		6046	3639
3.27		6451	4322
3.365		986818	631543
3.393		12109	7437
3.448		8258	6998
3.489		448594	305024
3.521		5248	3428
3.619		5892	5310
3.654		53018	38558
3.676		12270	8776
3.716		3975	3243
3.761		92802	72148
3.792		10420	8809
3.827		9160	7809
3.871		5044	3713
3.899		3307	2491
3.922		7037	5038
3.945		6352	4579
4.006		7658	5790
4.036		17944	16974
4.081		3467	2970
4.112		38197	32436
4.153		15453	9724
4.168		8213	4883
4.246		4095	5320
4.301		7644	5016
4.328		208830	180746
4.397		3959	6310
4.448		7119	10159

RT A	Compound A	Height A	Area A
4.492		20118	16105
4.517		33531	26973
4.59		4178	4395
4.649		176514	175996
4.75		204243	176516
4.785		2064174	1846177
4.816		78867	57599
4.836		9598	6051
4.892		315551	318444
4.975		42364	59920
5.051		321786	329690
5.094		3136	2173
5.128		2922452	2887756
5.214		20829	25522
5.356		304246	391325
5.431		7724	5638
5.463		16565	15297
5.495		4104629	4025359
5.552		129141	114062
5.586		931279	873205
5.778		2679	3034
5.869		1598	1624
5.91		1401	504
5.962		39664	41286
6.026		42342	37245
6.049		6849	4734
6.272		4017	5852
6.338		1218	1474
6.404		26645	26879
6.547	DCB	2625494	2724638
6.666		1459	1516
6.705		1076	1401
6.761		1300	979
6.806		1203	666
6.842		1595	1816
7.016		1188	3965
7.048		1240	329
7.121		2145	3395
7.177		1090	634
7.218		1055	1081
7.252		1590	1167
7.324		1317	3770
7.349		1901	1770
7.411		891	1494
7.481		688	2941
7.502		1342	944
7.583		1543	1466
7.746		915	1431
7.791		1263	1076
7.899		1423	1201
8.014		2001	401
8.101		1782	2056
8.121		1537	1176
8.177		1329	882
8.21		1464	560
8.329		1030	914
8.423		4292	7233
8.51		2152	3163
8.587		7437	15521

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:27:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.507		1569	1117
1.622		1890	2614
1.648		5430	5175
1.672		3255	2178
1.706		5343	7893
1.735		7202	8004
1.775		6123	8171
1.814		22546	35699
1.849		58571	50342
1.878		9239	10379
1.925		11234	30098
1.975		16623	14984
1.999		4574	4453
2.074		86483	50019
2.104		3929	1821
2.128		7087	5876
2.161		3266	3919
2.193		1171	840
2.241		135987	76876
2.264		3420	1842
2.289		2904	1924
2.332		2534	1768
2.395		1640	1377
2.471		24038	19704
2.534	TCX	7837154	4777356
2.627		1281	511
2.698		3798	3563
2.731		992	718
2.751		103494	60418
2.792		2124	3451
2.81		10725	8722
2.848		2583	1603
2.881		4307290	2431160
2.909		3080	2096
2.998		20096	12620
3.033		44796	29824
3.09		3318632	1924603
3.155		7899	6925
3.192		8598	7972
3.212		7498	3572
3.229		4174	2566
3.252		10841	5400
3.273		1488128	867878
3.33		10232	5845
3.351		58389	31850
3.369		12868	6714
3.392		365249	284166
3.425		32917	20724
3.468		13498	8454
3.484		2901	1303
3.504		35144	21698
3.532		31812	24291
3.568		7047	4525
3.588		2708	1613

3.644		3918	3038
3.675		139821	86319
3.695		41747	20744
3.708		15707	6193
3.753		102256	64207
3.775		51351	29804
3.807		9016	9058
3.863		2753	4566
3.881		6138	3230
3.906		754028	531012
3.933		6306	3063
3.949		16230	8776
3.983		28688	35695
4.015		1617	708
4.031		5781	3635
4.058		138618	102617
4.1		15980	10235
4.145		87430	62558
4.196		4369	4343
4.234		2819	1734
4.275		583683	455255
4.324		7269176	5851772
4.367		66850	47638
4.42		1319730	1005045
4.455		19319	19288
4.532		113559	85030
4.56		83618	66188
4.594		9323795	7460214
4.648		979013	772561
4.679		12149	7348
4.711		2558	1886
4.766		62379	59554
4.801		14680	13732
4.869		6216	6573
4.917		721615	1022760
5.019		9565072	8611647
5.069		96534	165008
5.187		2655207	2328028
5.242		93888	78899
5.411		108393	94155
5.479		128211	112346
5.529		40319	32914
5.603		1092	629
5.74		1129	1306
5.839		64256	65304
5.997	DCB	5145881	4831443
6.452		3570	3568
6.585		1134	2089
7.059		737	2759
7.34		1720	12256
7.455		1070	836
7.748		775	480
7.836		969	664
7.885		1079	548
8.021		1853	3559
8.232		3603	11375
8.439		2071	6084

EVALX1624A AAEVALXAA ICAL 1628299999 10736 SW-846 8082

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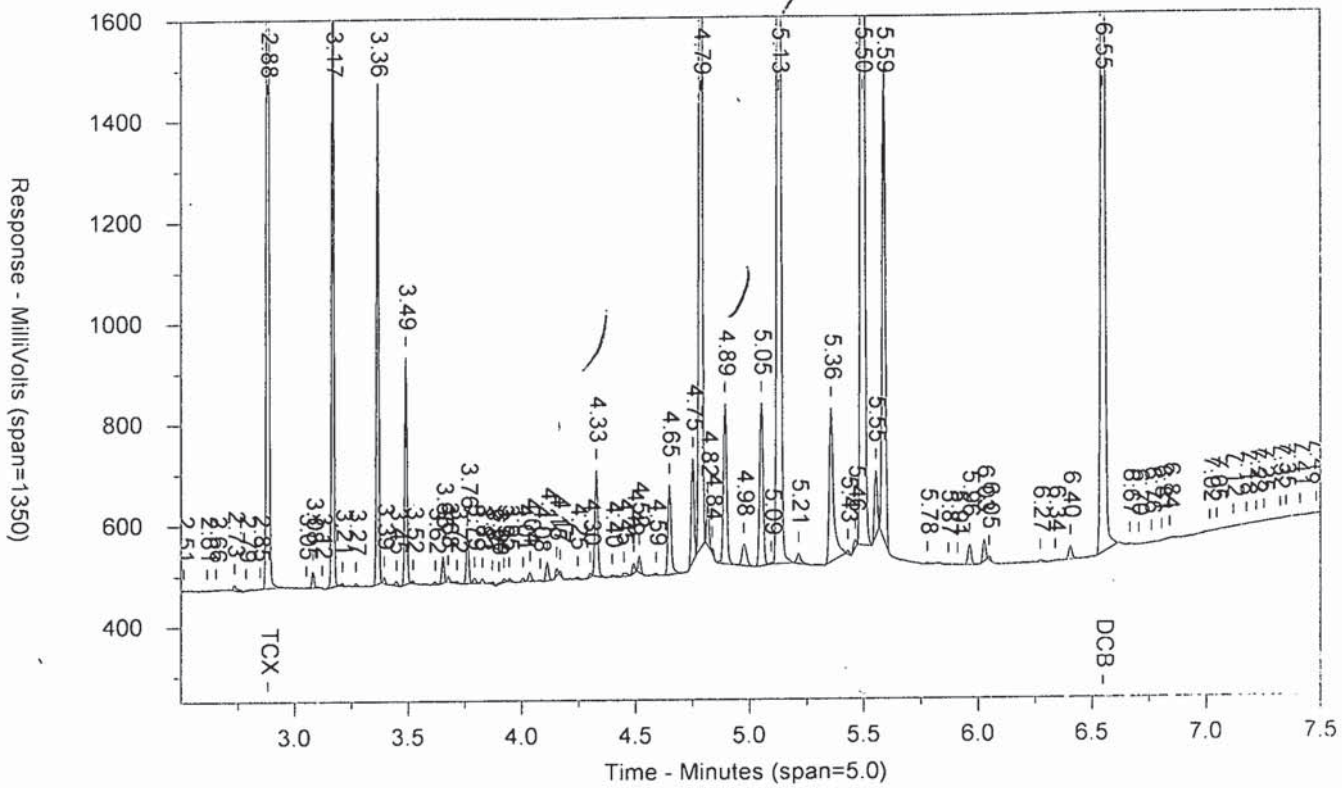

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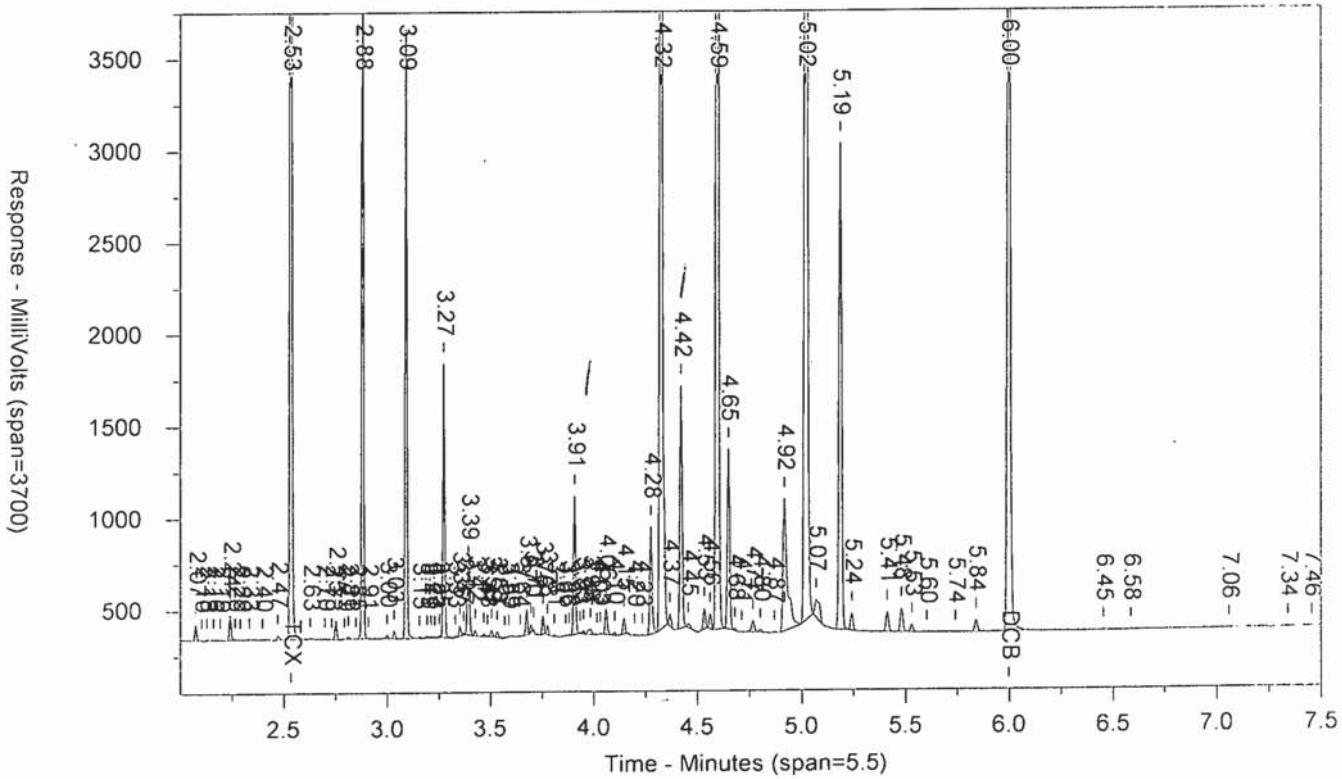

LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:27:46 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.881	2532992	19.395	TCX	2.534	7837154	19.673	TCX
6.547	2625494	21.178	DCB	5.997	5145881	19.862	DCB

Files:
Area File: 07PCBS16283001.0006.RAW
Area File: 07PCBS16283001B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 2:36:27 PM
File Reported On: 10/9/2016 at 2:36:37 PM

EVALX1624A AAEVALXAA ICAL 1628299999 10736 SW-846 8082

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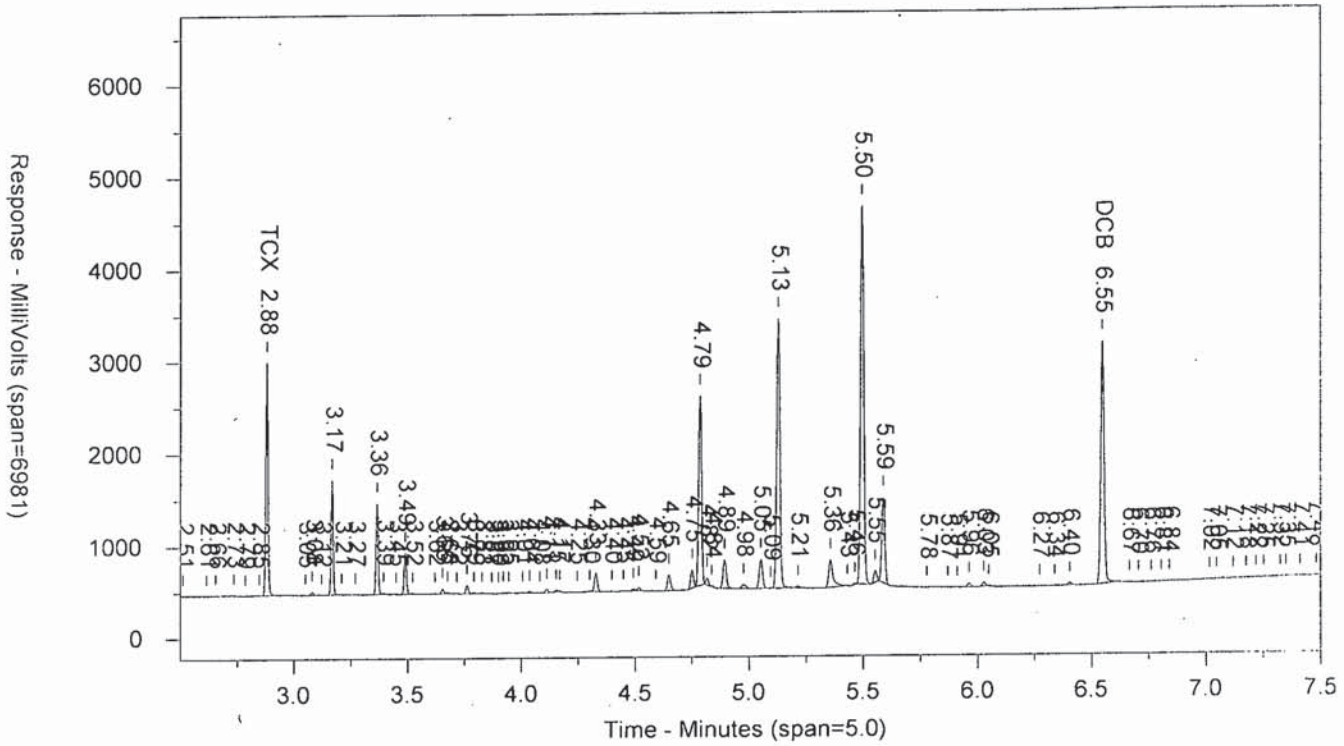

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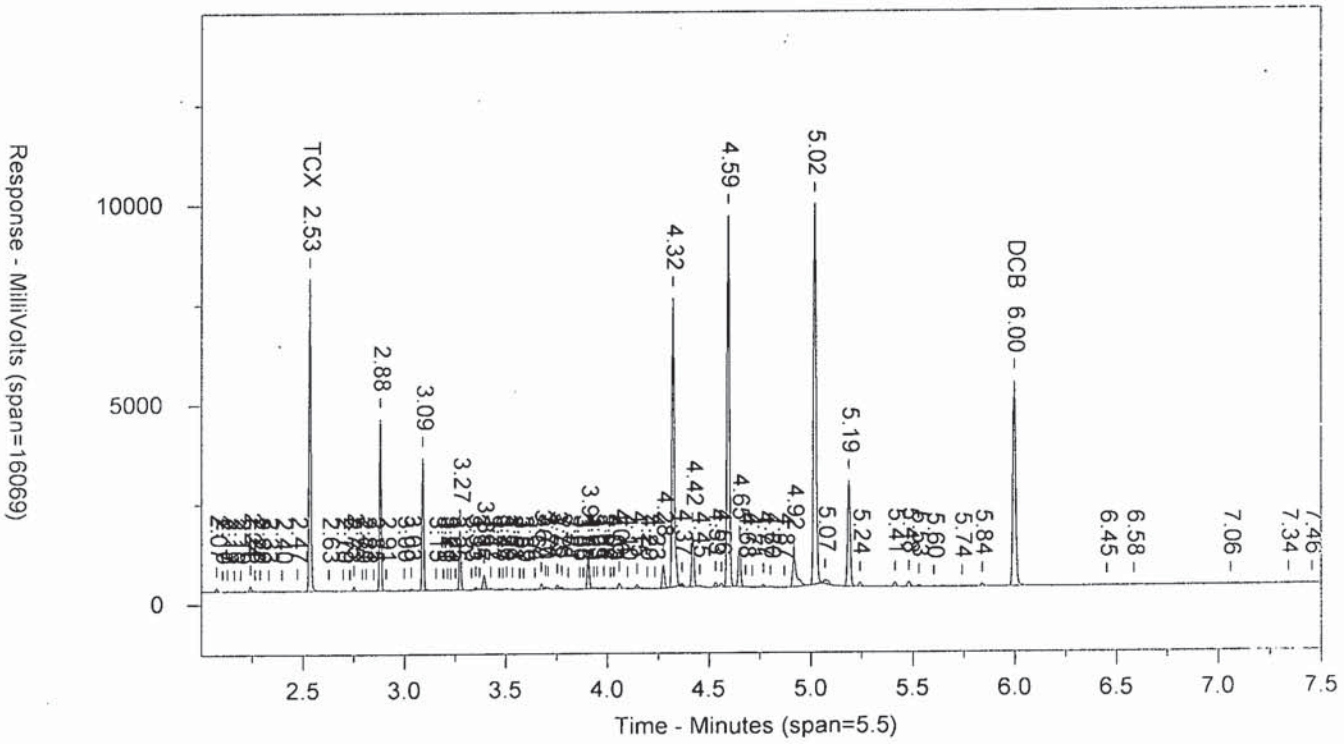

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:39:19 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.947		3571	5173
2.062		8231	15453
2.112		2536	4232
2.176		3227	2553
2.269		5000	2952
2.346		4061	6554
2.411		1226	2901
2.526		2804	3788
2.676		1264	4257
2.734		2410	1831
2.802		3822	4032
2.88	TCX	504905	351195
2.971		1793	1657
3.003		1175	444
3.034		27592	25547
3.091		25635	22385
3.138		118669	84923
3.206		2405	2274
3.23		14133	10532
3.275		1950	2562
3.351		114385	70339
3.367		51367	27010
3.404		12222	7000
3.419		4731	2145
3.436		8611	4732
3.466		135995	103243
3.503		1775	1260
3.54		7785	5860
3.575		28488	16082
3.588		12827	6389
3.632		48932	31423
3.643		113069	62403
3.679		158820	123705
3.737		127556	100019
3.776		8599	5278
3.803		89849	66409
3.831		68686	61595
3.851		14611	7254
3.926		95646	71453
3.95		31969	19680
3.98		37946	26350
4.015		92255	102502
4.054		32195	26429
4.099		4071	2804
4.135		5889	4965
4.172		94104	71672
4.192		23089	13333
4.216		25719	17442
4.245		3120	2085
4.281		13318	11328
4.325		103485	99504
4.357		3789	2656
4.416		2149	1667

RT A	Compound A	Height A	Area A
4.46		31950	35174
4.516		7659	5470
4.53		23623	16037
4.576		66326	60318
4.621		99762	114174
4.659		26459	18912
4.697		245268	225548
4.737		5987	6314
4.788		35625	41032
4.818		8628	5571
4.844		41067	37155
4.896		284183	363657
4.944		55288	51054
4.988		129127	152091
5.032		3495	2141
5.067		27641	35803
5.104		299997	304068
5.167		166162	157645
5.21		106902	106181
5.333		205453	279128
5.39		102672	129198
5.43		51909	46493
5.471		16998	16516
5.517		67111	68797
5.572		476384	537105
5.69		7335	9630
5.779		280760	304079
5.818		24913	25690
5.831		26851	19507
5.965		14863	15414
6.028		13839	11507
6.05		56786	83614
6.146		2329	30206
6.158		1396	998
6.206		144821	141324
6.25		9045	11202
6.404		41952	44093
6.447		9596	10642
6.548	DCB	525570	568158
6.666		948	1193
6.762		1171	1665
6.863		3298	11267
6.912		1281	1514
6.961		3461	5889
7.089		1815	16564
7.152		978	1956
7.241		1553	4648
7.352		1036	4684
7.396		1686	1221
7.46		1481	3235
7.582		4980	25627
7.641		1549	1596
7.668		1430	1317
7.726		1224	1305
7.752		1700	1547
7.786		1068	583
7.834		1297	715
7.917		1702	1453
7.972		903	482
8.08		1053	3108
8.108		2408	2765
8.136		1218	386
8.241		1245	2219
8.305		1921	1757
8.365		1441	1597
8.414		4231	7514

RT A	Compound A	Height A	Area A
8.489		1614	2254
8.536		1036	396
8.583		8520	16936

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:39:19 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.569		2388	3550
1.652		1854	3492
1.675		3248	2208
1.701		1342	1289
1.79		6442	18424
1.848		24668	21322
1.928		13958	34163
1.974		4627	4158
2.107		1444	602
2.126		2226	1777
2.156		3193	3972
2.22		7706	6845
2.28		1369	1452
2.314		3453	5734
2.392		1240	630
2.418		3429	3709
2.444		2121	1018
2.471		7038	6133
2.534	TCX	1580707	945469
2.578		34107	24950
2.605		1574	4019
2.706		99749	66482
2.751		16587	7826
2.767		68250	37141
2.819		383776	240427
2.868		3265	3507
2.93		47471	29642
2.966		2321	1869
3.027		482992	464911
3.078		53310	30710
3.099		29944	16472
3.124		31181	17127
3.148		461915	303560
3.185		28116	16667
3.213		2594	1098
3.232		109062	55858
3.247		60971	28793
3.278		2624	1296
3.297		153948	72750
3.306		408929	183264
3.339		468270	364095
3.413		459143	294048
3.45		338156	210849
3.472		387874	216040
3.489		99934	47774
3.574		380720	250310
3.596		151144	81313
3.617		148185	85312
3.645		121408	61958
3.662		318334	189953
3.701		131221	88734
3.746		33999	30811
3.77		84086	49852
3.792		421659	283185

3.816		79073	46594
3.835		11033	5094
3.856		52016	31511
3.89		358355	245194
3.921		22184	10974
3.935		34554	17412
3.984		5895	3645
4.019		89261	87229
4.06		7502	4311
4.085		103209	70434
4.125		110364	68675
4.144		89400	42923
4.157		249703	141854
4.182		144080	144190
4.233		795039	619026
4.271		20034	17266
4.301		66576	42385
4.325		163056	131834
4.367		882096	683633
4.466		656799	713829
4.517		109011	85913
4.556		209628	192654
4.591		893394	740537
4.623		477191	350019
4.66		311891	243298
4.742		25522	19286
4.756		61321	37090
4.806		582869	458132
4.828		64587	37438
4.878		315677	289378
4.913		161382	128136
4.944		130876	102747
4.975		38666	21489
4.997		1222381	1077757
5.04		21177	14962
5.068		69218	56436
5.189		14160	8364
5.212		281259	238475
5.256		739048	773014
5.292		9834	14862
5.34		859	476
5.412		39037	33925
5.46		14080	9340
5.48		35188	26023
5.53		156524	144237
5.64		329931	291517
5.672		17561	12815
5.84		100126	94660
5.997	DCB	1172540	1054597
6.173		2933	7834
6.339		2420	3788
6.431		1989	5489
6.575		8620	19461
6.641		2748	8952
6.676		1826	1911
6.798		2852	6331
6.853		1363	1611
6.986		5374	25757
7.106		3168	10856
7.29		2250	4802
7.372		950	1504
7.414		954	660
7.534		1388	2818
7.707		1650	11019
8.013		1837	3100
8.233		3521	11808
8.438		2019	4721

8.597	821	975
8.63	1078	554

AR1611624B AAAR161AA ICAL 1628299999 10736 SW-846 8082

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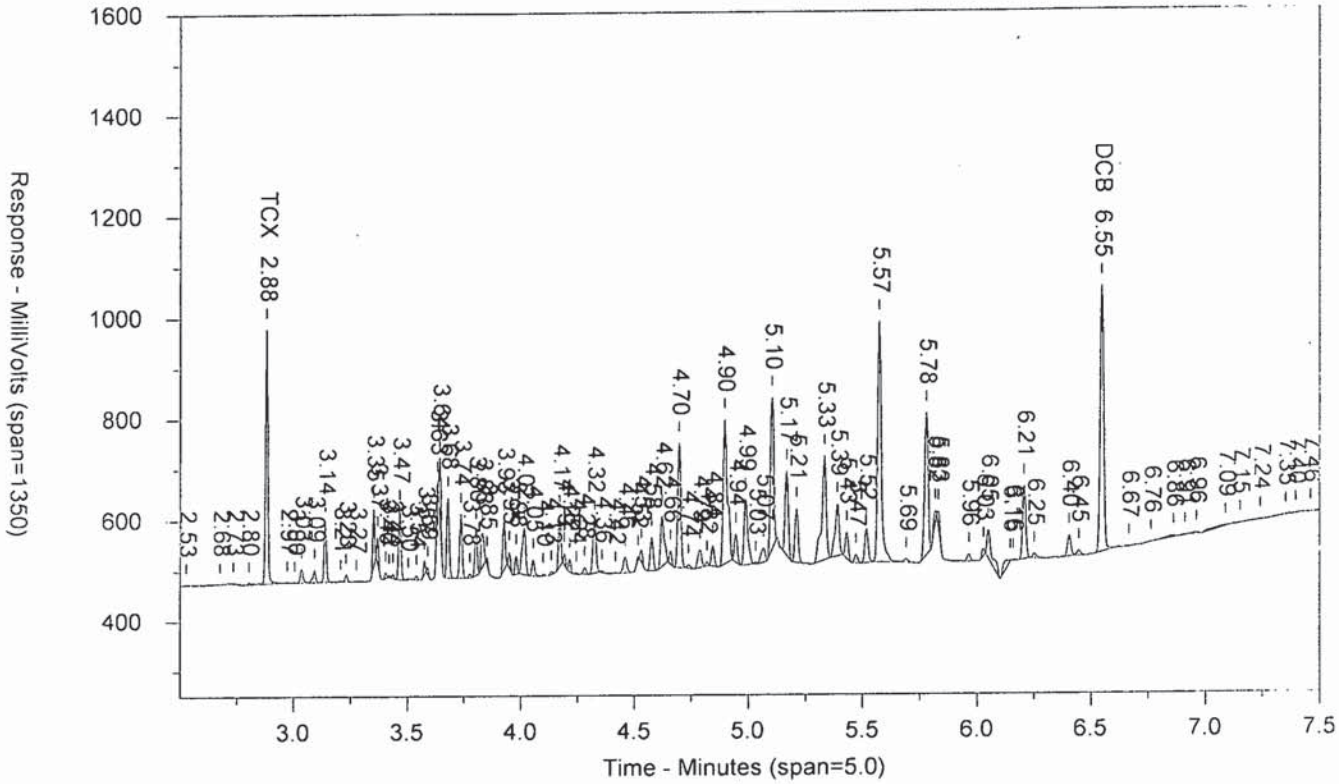

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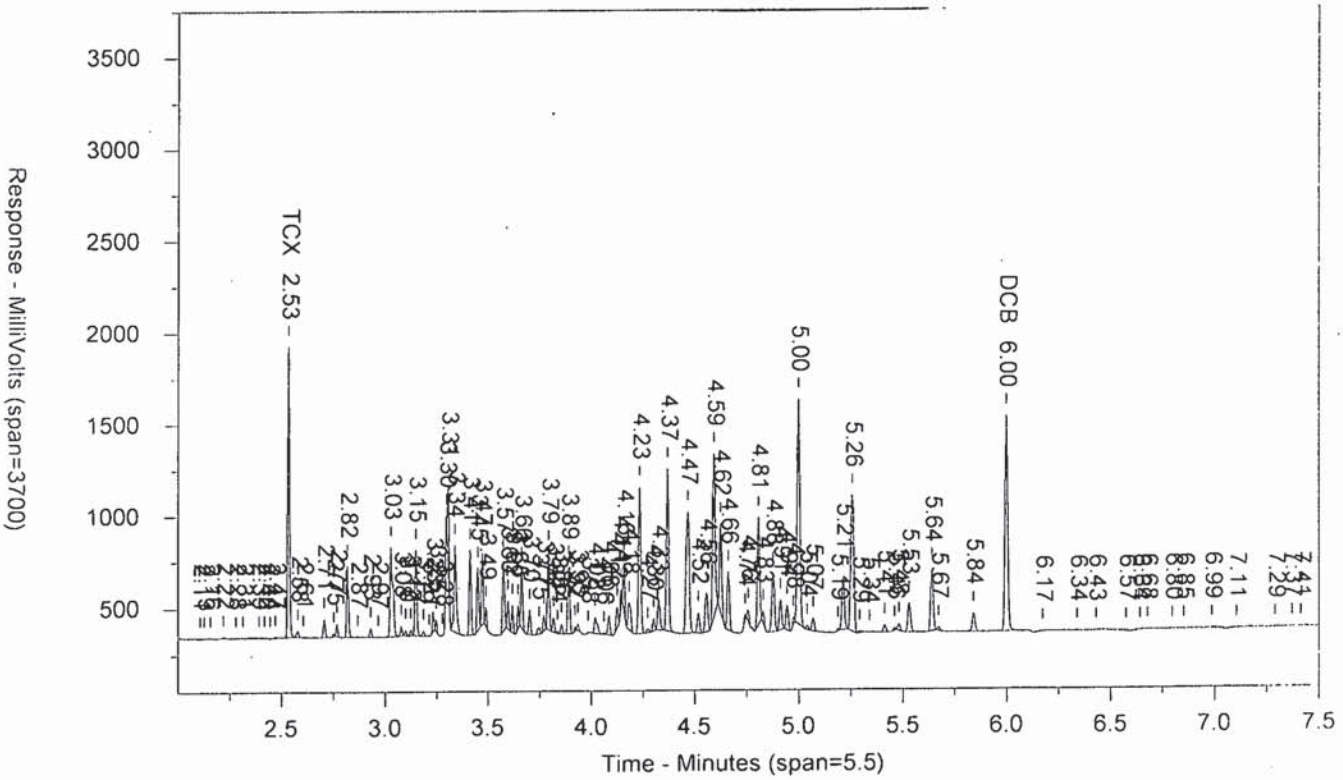

LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:39:19 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	504905	3.866	TCX	2.534	1580707	3.968	TCX
6.548	525570	4.239	DCB	5.997	1172540	4.526	DCB

Files:
Area File: 07PCBS16283001.0007.RAW
Area File: 07PCBS16283001B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 2:47:59 PM
File Reported On: 10/9/2016 at 2:48:11 PM

AR1611624B AAAR161AA ICAL 1628299999 10736 SW-846 8082

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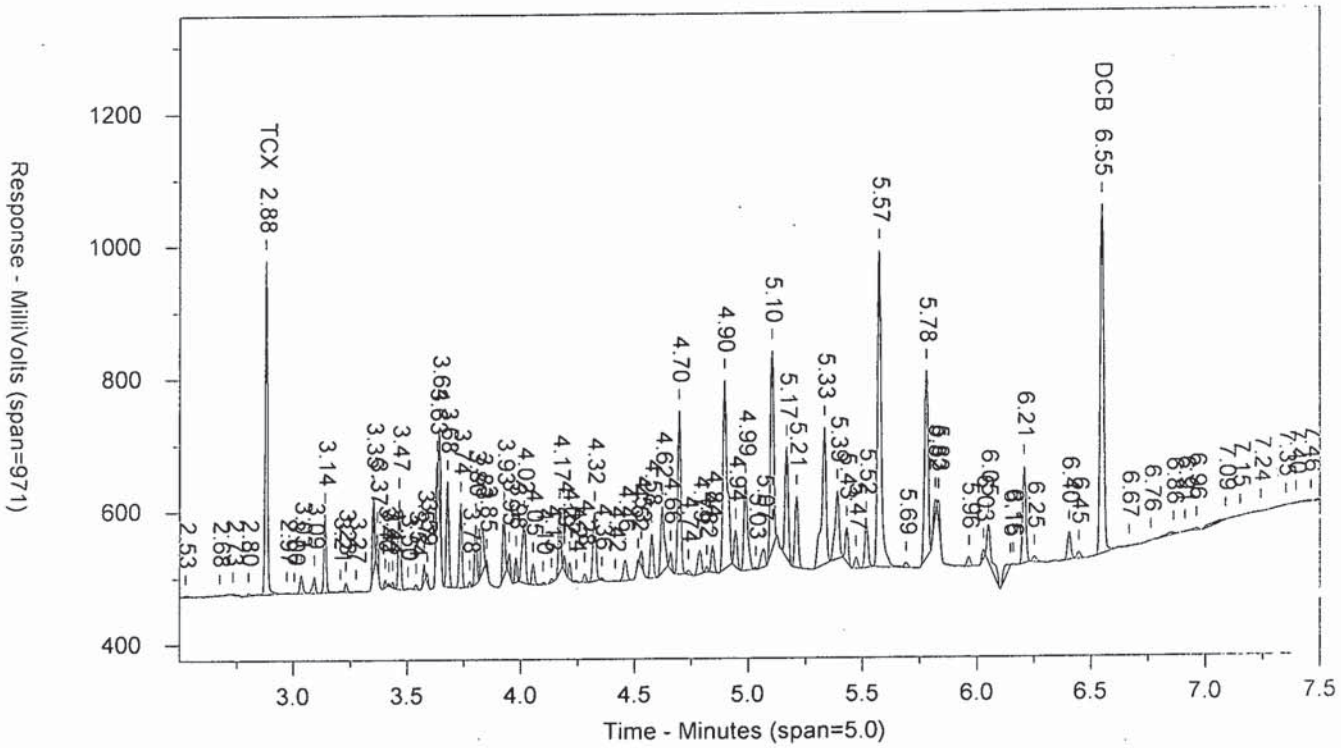

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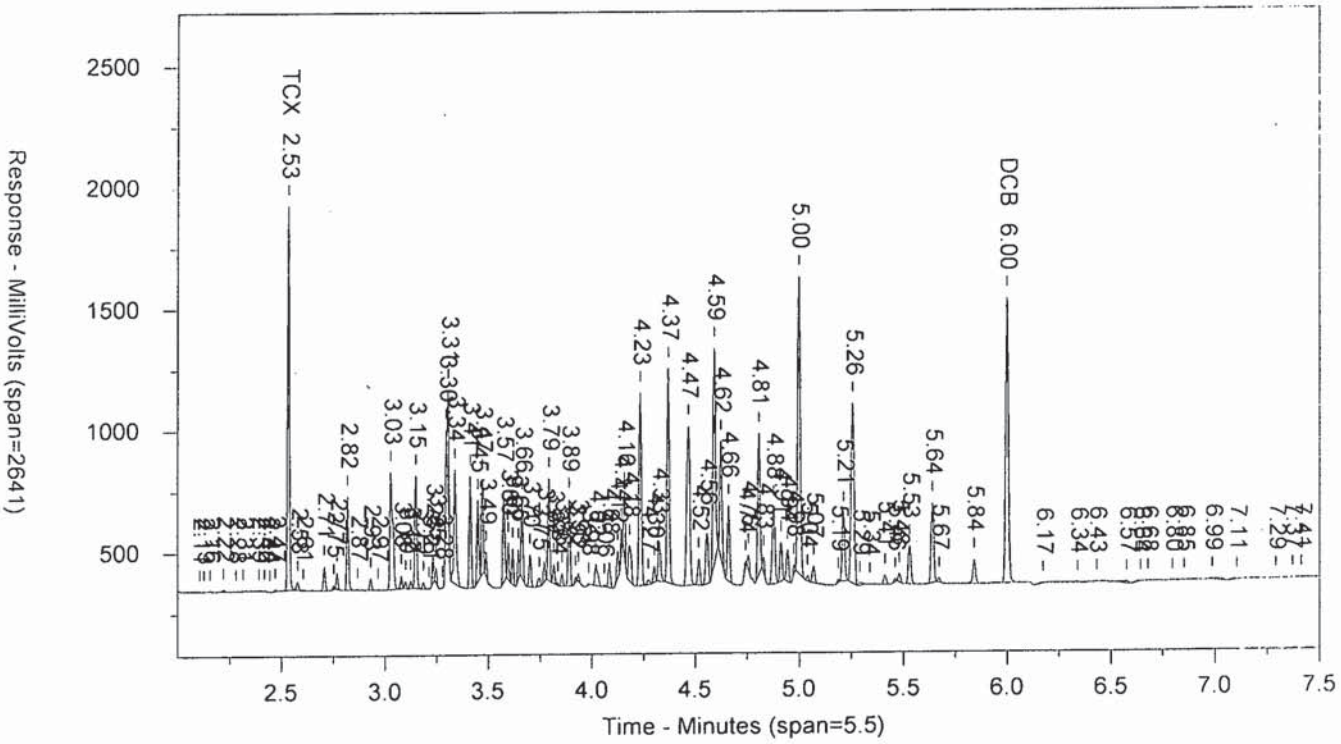

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:50:44 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.684		2071	3919
1.799		1631	1591
1.97		6871	16080
2.064		10344	33771
2.111		7507	19620
2.177		16870	20243
2.271		9082	13408
2.288		8591	13284
2.336		5464	11928
2.385		2595	2336
2.461		1624	2690
2.526		4941	5158
2.61		1741	1139
2.702		1603	1227
2.734		4808	3444
2.808		1589	1732
2.88	TCX	2572828	1744653
3.034		53907	46716
3.09		50672	55604
3.138		223616	165259
3.209		5006	2896
3.231		28187	20382
3.351		225517	133594
3.367		93253	49813
3.403		23342	13001
3.419		10157	4290
3.436		16888	8819
3.465		263186	199811
3.518		4188	2442
3.538		18864	11756
3.574		52033	29544
3.587		24076	11314
3.632		102723	58077
3.642		237943	123727
3.678		311789	240247
3.736		240822	197233
3.776		19161	12863
3.803		174132	126215
3.83		124751	114471
3.85		29845	13932
3.925		187632	138321
3.949		59872	38373
3.979		71037	52449
4.015		178610	198216
4.053		61673	50879
4.101		8362	6128
4.136		11078	8393
4.171		186288	136500
4.191		45425	26228
4.214		48998	35491
4.244		3379	2151
4.281		26483	22907
4.324		197975	190118

RT A	Compound A	Height A	Area A
4.357		5886	3927
4.418		3764	3521
4.458		65803	69191
4.515		15053	11376
4.529		44349	30284
4.575		123127	115561
4.62		190665	218462
4.658		50169	37405
4.696		446773	429994
4.738		12348	11633
4.787		69006	79425
4.818		25695	18440
4.843		73874	67174
4.895		534202	699563
4.944		111314	99532
4.988		263001	297663
5.03		4691	2941
5.064		64204	87789
5.104		623195	676799
5.166		322595	306814
5.209		204590	217508
5.331		406944	568432
5.39		188398	188448
5.43		99621	89905
5.471		47323	45132
5.516		131260	132312
5.572		972537	1077929
5.692		2679	4309
5.778		541320	593773
5.82		17671	36594
5.829		53256	43581
5.962		52440	52525
6.027		43405	33514
6.049		99582	81654
6.155		6459	21746
6.205		273440	278294
6.249		16060	17503
6.403		94947	105172
6.546	DCB	2456516	2606696
6.659		2701	2434
6.771		1457	2396
6.788		1321	767
6.863		2202	5530
6.929		1458	530
6.995		2704	3757
7.121		1073	8365
7.173		1193	1563
7.216		1085	695
7.262		1138	828
7.313		1244	2620
7.371		1686	1261
7.53		1294	2035
7.564		1685	1159
7.592		2192	1834
7.669		1136	3079
7.727		1242	767
7.741		948	406
7.809		1741	1341
7.858		1764	1364
7.886		1087	647
8.009		1376	2025
8.033		1252	920
8.093		2208	2484
8.159		1807	4174
8.24		1970	662
8.357		1663	2037

RT A	Compound A	Height A	Area A
8.414		2339	3514
8.49		1170	547
8.53		1294	695
8.583		7444	16439

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:50:44 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.507		1760	1245
1.619		1648	1418
1.673		2819	1781
1.73		4202	10197
1.792		7643	22994
1.849		49325	50950
1.923		10760	30405
1.975		17329	19825
2.067		1563	2049
2.128		2534	2553
2.157		2472	3123
2.197		962	703
2.221		12094	8765
2.334		959	579
2.444		1971	952
2.471		11053	7791
2.498		12504	7148
2.534	TCX	7934020	4836325
2.579		65390	46697
2.706		198367	128763
2.751		84020	41580
2.767		124744	66464
2.819		724888	459999
2.867		16386	10520
2.93		95903	61133
3.027		889708	876962
3.078		104657	62138
3.099		62929	34663
3.124		67109	36555
3.148		868470	582064
3.185		59523	34483
3.212		14707	7423
3.232		203586	107110
3.247		113315	53046
3.275		1380	605
3.297		294647	154485
3.305		779904	345144
3.326		17738	8535
3.339		855567	583656
3.412		903853	571110
3.449		632095	395276
3.471		722436	402602
3.489		175386	88717
3.573		739702	471895
3.595		289361	152829
3.616		286966	167122
3.644		229484	119262
3.661		617396	364805
3.7		251075	173559
3.745		75828	65270
3.77		157054	99068
3.791		824373	543412
3.816		159593	92226
3.834		22867	11124

3.855		101753	61380
3.889		679800	469508
3.921		41419	22043
3.935		69200	36706
3.983		4608	3132
3.997		6741	3626
4.018		168614	172562
4.059		20293	12132
4.084		189843	135772
4.124		210682	130164
4.143		146059	77793
4.156		466210	264115
4.181		278108	274453
4.232		1515622	1194260
4.27		42477	35715
4.3		128599	83457
4.325		311222	275865
4.366		1717084	1301491
4.465		1322365	1386645
4.516		205998	171597
4.556		458750	406222
4.589		1669455	1426878
4.621		874997	668760
4.659		583435	464594
4.755		194879	153730
4.773		21666	10423
4.805		1118043	884302
4.827		119056	73372
4.876		599336	560446
4.911		310937	246971
4.943		277610	226946
4.973		76070	46605
4.997		2414305	2128308
5.038		48697	32020
5.068		197934	169290
5.188		26808	17014
5.212		548604	459699
5.256		1538963	1757266
5.411		143873	125168
5.459		24100	14956
5.48		139740	113942
5.529		321951	293717
5.638		654086	569174
5.671		33262	23151
5.793		1516	1248
5.838		225073	205034
5.996	DCB	4934969	4643499
6.174		2239	6529
6.449		5005	6303
6.577		1342	2366
6.623		1954	3545
6.699		1613	1712
6.788		1513	2985
6.964		771	1045
7.159		958	557
7.326		795	5153
7.421		812	697
7.664		698	1071
8.015		1798	3151
8.239		2750	9041
8.527		3203	27043
8.682		16991	70176

AR1621624B AAAR162AA ICAL 1628299999 10736 SW-846 8082

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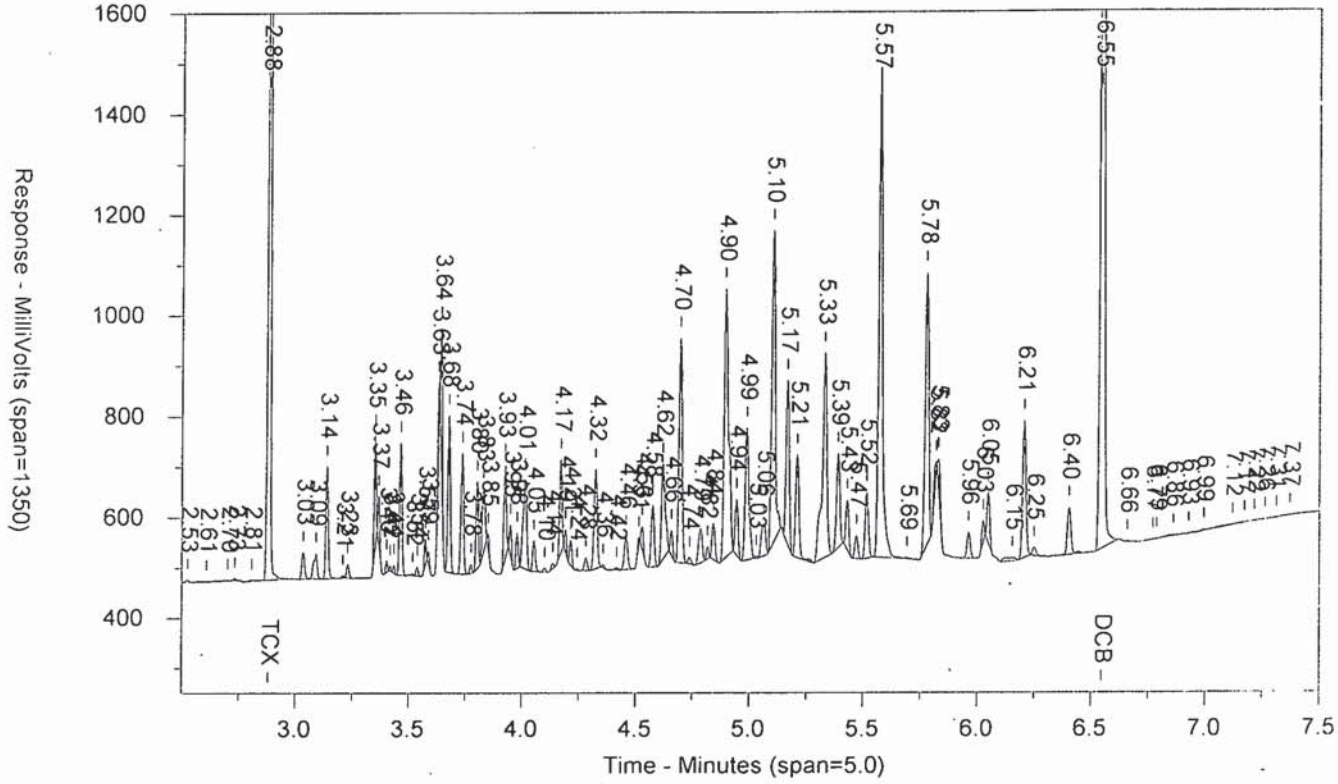

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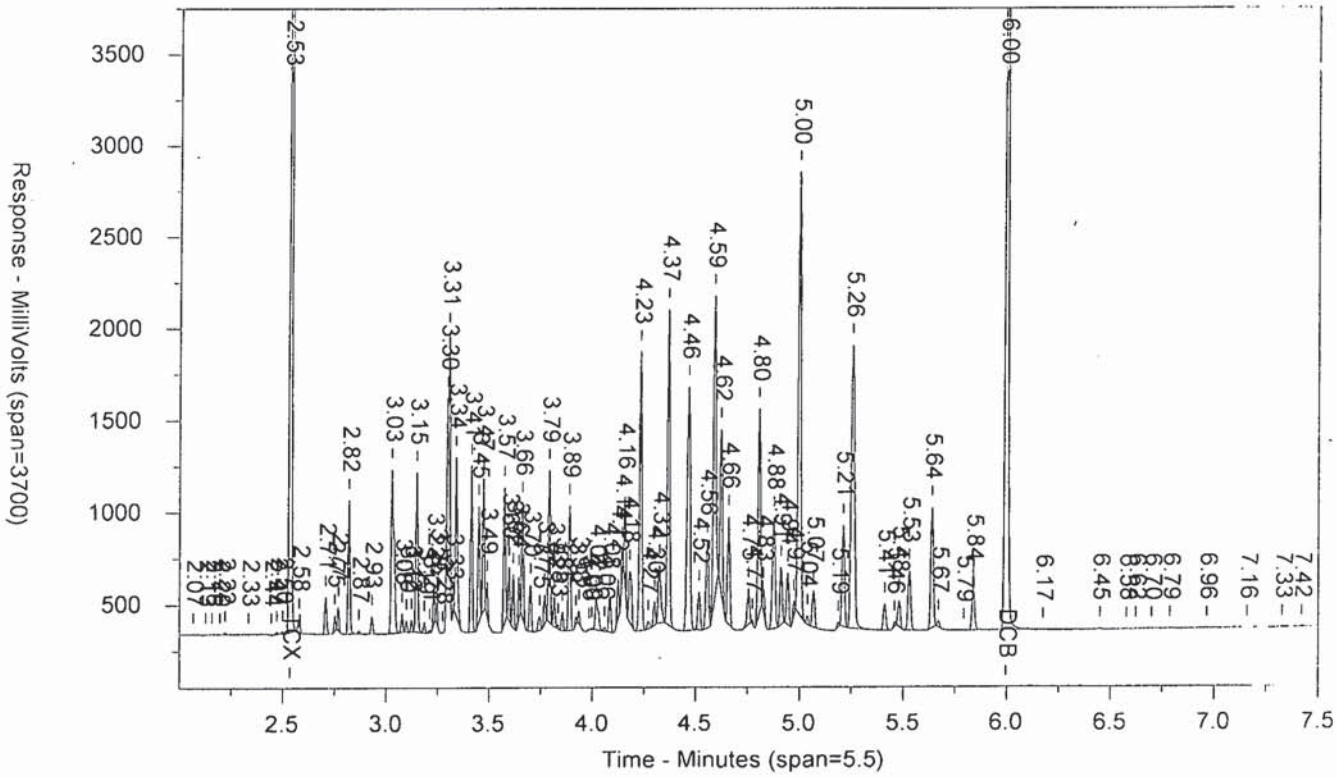

LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 2:50:44 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	2572828	19.707	TCX	2.534	7934020	19.796	TCX
6.546	2456516	19.953	DCB	5.996	4934969	18.915	DCB

Files:
Area File: 07PCBS16283001.0008.RAW
Area File: 07PCBS16283001B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 2:59:25 PM
File Reported On: 10/9/2016 at 2:59:37 PM

AR1621624B AAAR162AA ICAL 1628299999 10736 SW-846 8082

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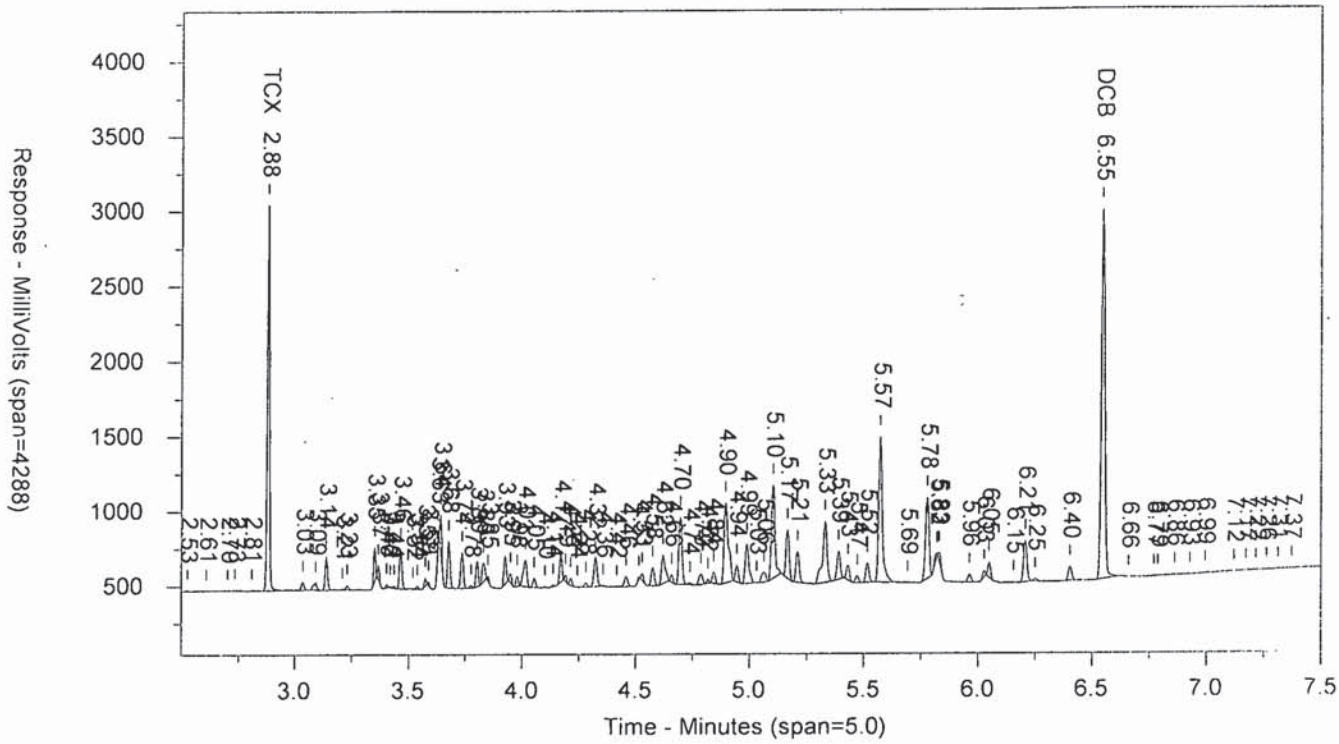

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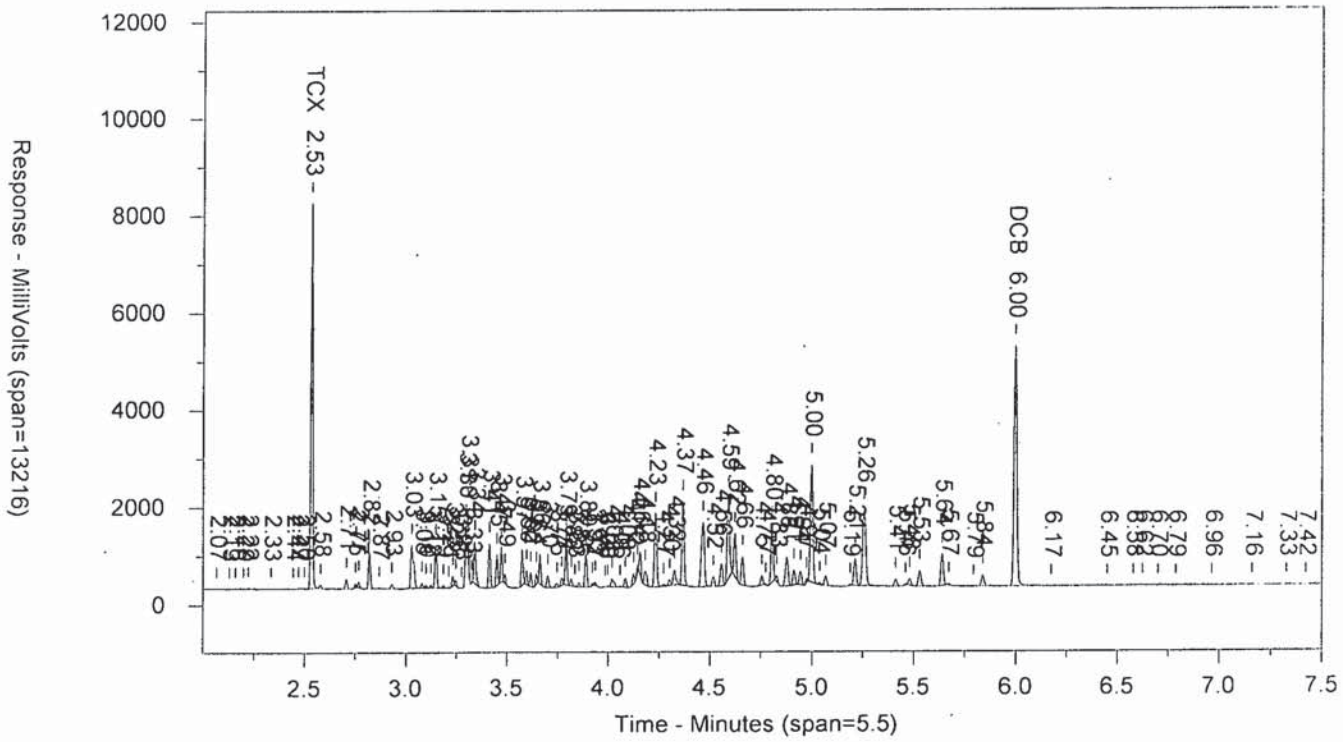

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:02:14 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.645		1103	485
1.685		1629	1032
1.956		2011	5780
2.052		3947	9282
2.12		1892	1336
2.177		24975	18810
2.271		3111	2337
2.288		10110	7727
2.392		1861	2326
2.507		1436	1012
2.526		4461	2846
2.592		969	172
2.69		1260	930
2.709		1578	804
2.8		4716	8022
2.88	TCX	5456598	3646855
3.034		104982	89984
3.09		97118	107436
3.138		441798	316525
3.209		9015	5030
3.23		53012	37959
3.267		1598	921
3.351		422663	256368
3.367		183610	99060
3.403		46061	25783
3.419		20735	8980
3.435		33998	18880
3.465		516612	387912
3.499		2022	913
3.518		8549	5361
3.538		33576	22171
3.574		94735	56246
3.588		45656	22439
3.632		238788	123897
3.642		485362	247997
3.678		604680	466312
3.736		479740	381160
3.775		37391	25655
3.802		329063	242697
3.83		243008	221688
3.851		55075	26958
3.925		347577	258401
3.948		114787	75341
3.978		142159	100633
4.014		348577	385902
4.054		116604	97786
4.098		16803	12505
4.134		21878	15963
4.171		346133	260095
4.191		89395	50055
4.215		96663	69526
4.28		52585	45867
4.324		374731	361613

RT A	Compound A	Height A	Area A
4.356		12389	8945
4.418		8349	7125
4.458		121232	131490
4.514		36316	25184
4.528		82563	54570
4.575		249849	224488
4.62		379124	418836
4.657		95522	70175
4.696		859388	833282
4.738		25123	22973
4.786		132605	149636
4.817		49828	37332
4.843		150980	132780
4.894		1084926	1358414
4.944		208496	194589
4.987		505054	582175
5.03		9878	5841
5.064		121298	168024
5.103		1228743	1187872
5.126		28641	10953
5.166		636763	596423
5.21		408007	404735
5.331		808985	1121008
5.389		375352	366564
5.429		199067	177570
5.47		92994	89228
5.515		273410	263962
5.571		2001432	2185543
5.777		1149689	1206704
5.817		76225	96456
5.831		117564	84634
5.962		95553	102350
6.027		88448	67752
6.049		198100	166986
6.206		536416	550391
6.249		33717	31650
6.327		2259	2542
6.366		1105	893
6.403		186499	200987
6.506		983	1946
6.546	DCB	5048193	5325832
6.664		2224	1610
6.778		2014	1481
6.855		2743	6772
6.954		1077	2206
6.997		5534	8437
7.034		1501	862
7.238		1379	18265
7.295		1522	1001
7.331		1046	707
7.361		1439	1356
7.391		1236	1345
7.486		704	838
7.527		1402	963
7.592		1289	875
7.703		477	596
7.745		1631	2406
7.799		818	948
7.897		1274	1112
7.975		1700	1412
8.04		1633	595
8.071		1148	544
8.171		1775	5253
8.305		1420	2074
8.373		1578	681
8.414		3385	8166

RT A	Compound A	Height A	Area A
8.496		3087	4435
8.586		7379	15534
8.663		1773	673

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:02:14 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.571		1197	968
1.794		5985	23942
1.85		76537	67471
1.925		8662	26427
1.975		29988	27303
2.064		2360	2264
2.126		3024	2363
2.168		2791	4305
2.221		24337	17308
2.287		1277	1136
2.332		1515	1416
2.391		3140	11029
2.471		2011	2446
2.492		4906	2924
2.534	TCX	16856400	10049970
2.578		127919	92331
2.626		4720	3577
2.706		387138	253339
2.751		167588	83798
2.767		229018	127022
2.819		1384340	874966
2.867		32823	19002
2.93		186722	119439
3.027		1705725	1660211
3.078		200169	121367
3.098		128555	70992
3.124		135877	74934
3.148		1677920	1115208
3.185		119426	70725
3.212		32378	16031
3.232		396692	206590
3.246		207407	100901
3.297		565691	308363
3.305		1500749	679869
3.326		39607	15755
3.339		1640508	1134488
3.412		1785107	1118400
3.449		1169958	755772
3.472		1401399	770088
3.489		329073	163068
3.573		1382760	898677
3.595		527847	285719
3.616		556374	321836
3.644		436754	231984
3.661		1217725	714124
3.7		487883	335553
3.746		149538	133055
3.769		308660	193174
3.791		1609627	1044318
3.815		304314	179620
3.834		51688	24264
3.855		186455	116706
3.888		1305800	897198
3.921		82063	44975

3.934		131849	68589
3.981		7775	4638
3.997		16431	10135
4.018		335034	340462
4.059		42818	25395
4.084		382474	262571
4.124		406861	253322
4.143		343488	163999
4.156		926984	515818
4.181		512816	522806
4.232		3019158	2334633
4.27		85565	73151
4.3		258254	164156
4.324		591840	527923
4.366		3434988	2540750
4.465		2661713	2737865
4.516		404253	333206
4.556		842027	777625
4.589		3533803	2911205
4.621		1703699	1283544
4.658		1148460	904674
4.712		2925	1528
4.755		422260	424200
4.805		2174538	1748555
4.827		223250	132535
4.876		1221183	1078427
4.911		591151	475645
4.943		533875	439853
4.973		159751	96601
4.997		5101468	4346996
5.038		90627	65462
5.067		397393	328163
5.187		54320	35091
5.211		1071764	892005
5.255		3129721	3661593
5.411		267564	237154
5.459		53258	33288
5.48		260677	212262
5.529		616874	583979
5.639		1218958	1125839
5.671		64863	48290
5.79		2441	2505
5.838		434787	407333
5.997	DCB	10798020	9374995
6.172		3439	3158
6.332		1317	1138
6.381		719	822
6.451		9188	8801
6.624		1473	1583
6.697		3248	6552
7.321		3667	17698
7.84		1173	2025
7.896		762	464
7.942		925	1288
8.018		1737	2853
8.241		2093	7332
8.449		1739	4575

AR1631624B AAAR163AA ICAL 1628299999 10736 SW-846 8082

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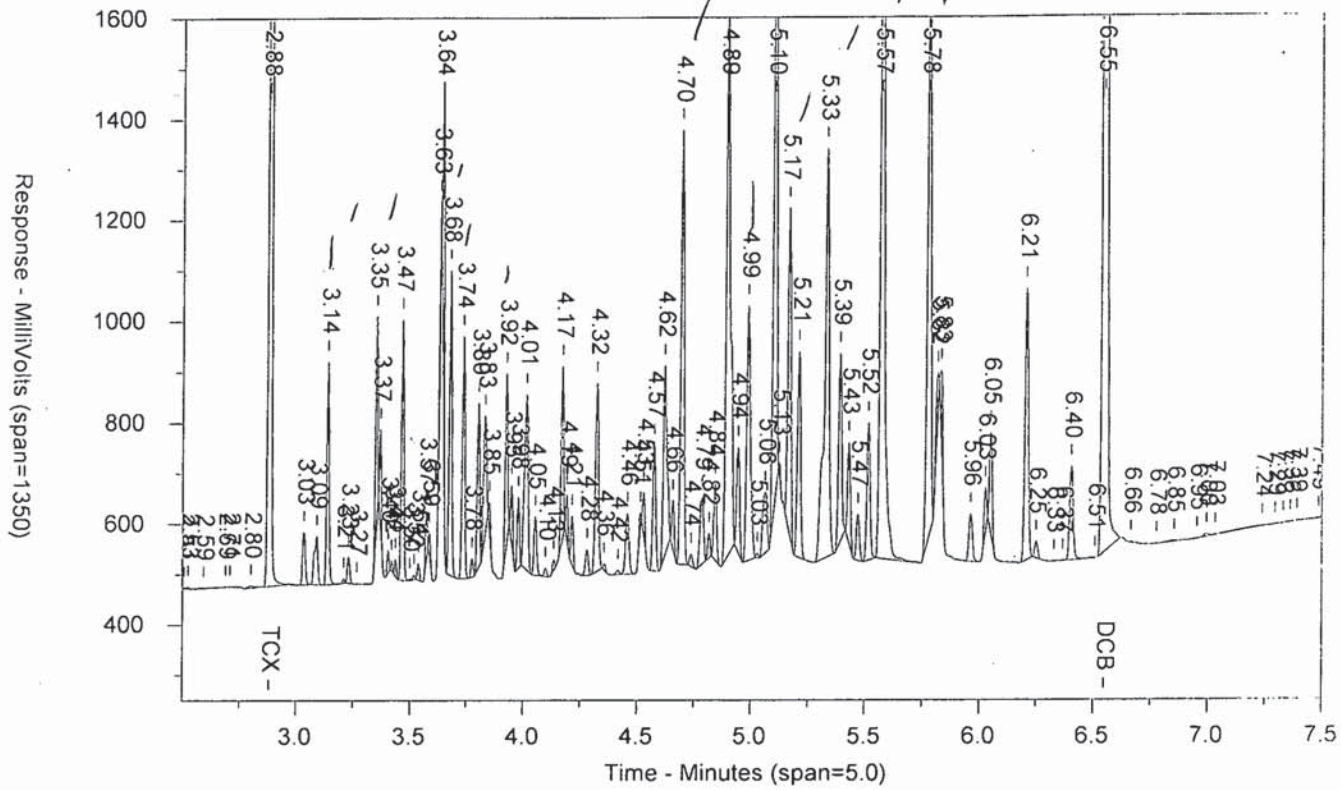

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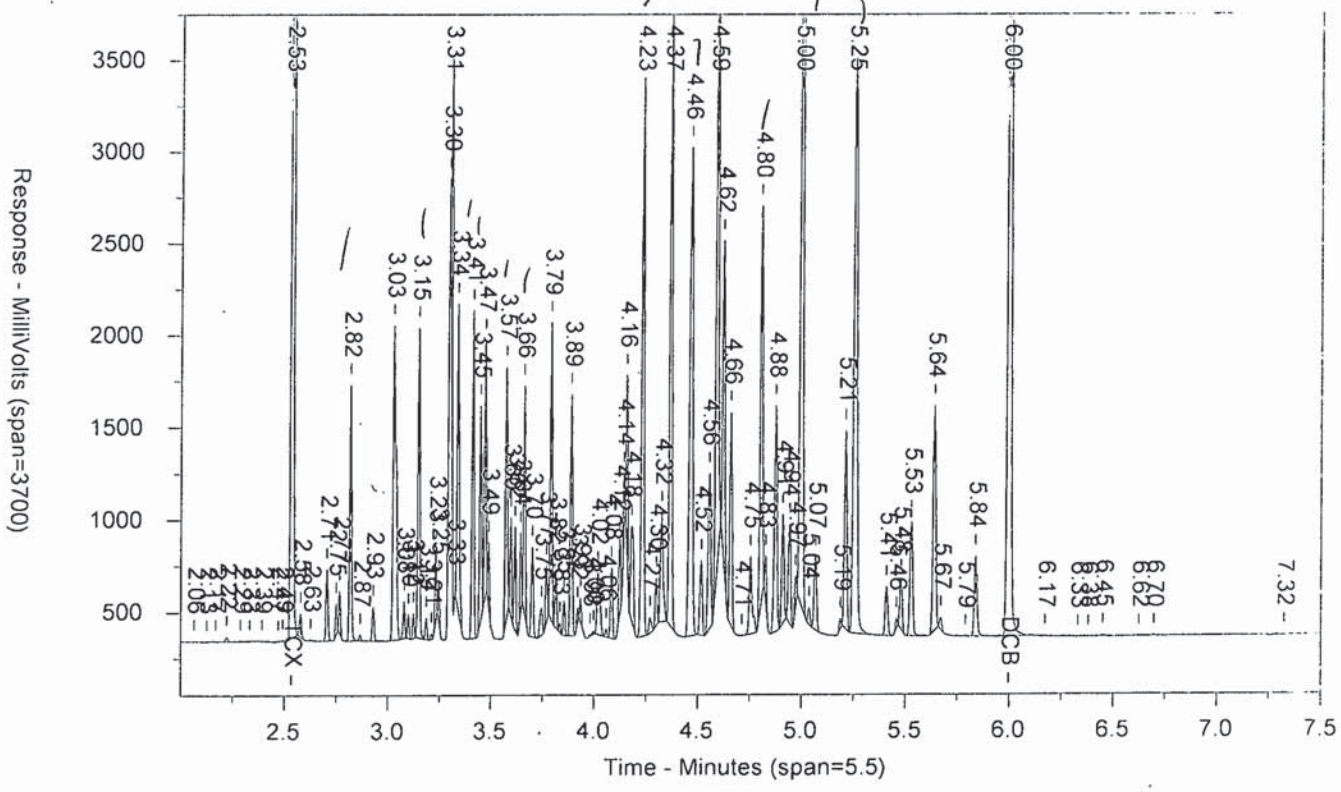

LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:02:14 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	5456598	41.786	TCX	2.534	16856400	42.081	TCX
6.546	5048193	40.862	DCB	5.997	10798020	41.705	DCB

Files:
Area File: 07PCBS16283001.0009.RAW
Area File: 07PCBS16283001B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 3:10:54 PM
File Reported On: 10/9/2016 at 3:11:03 PM

AR1631624B AAAR163AA ICAL 1628299999 10736 SW-846 8082

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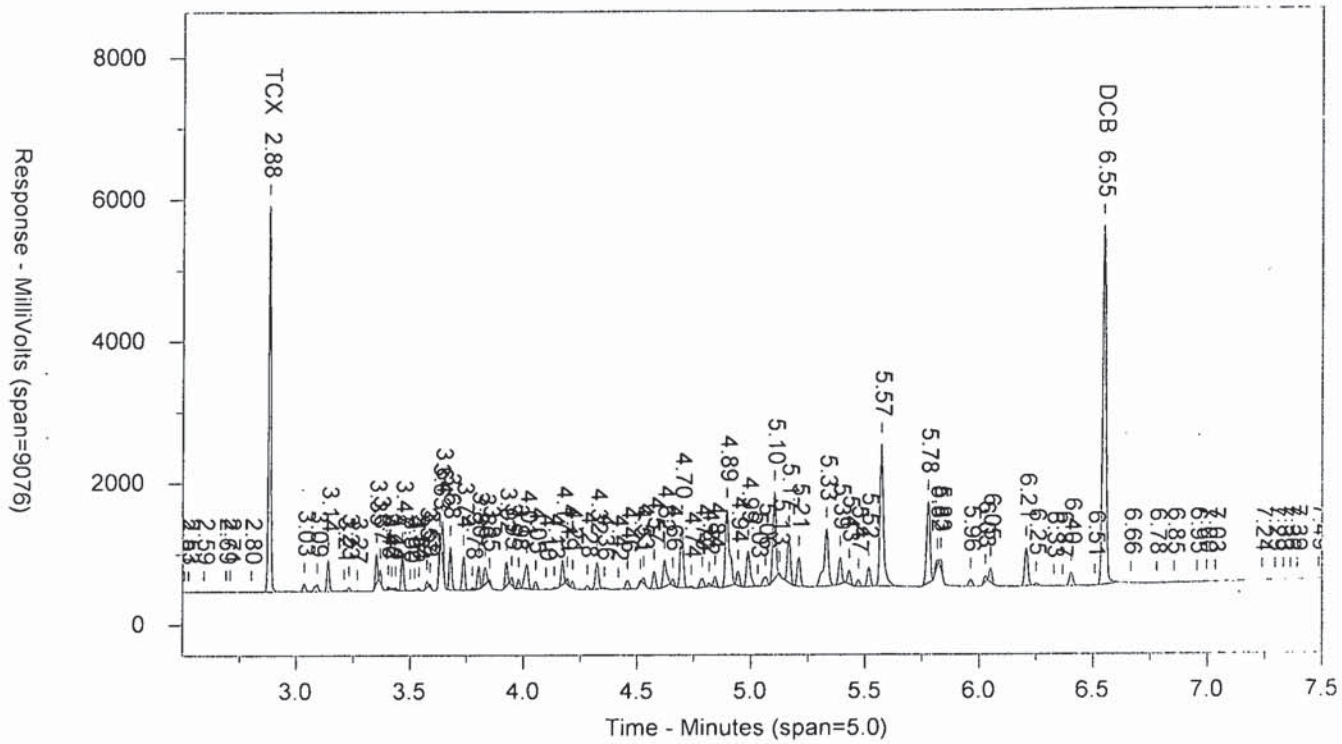

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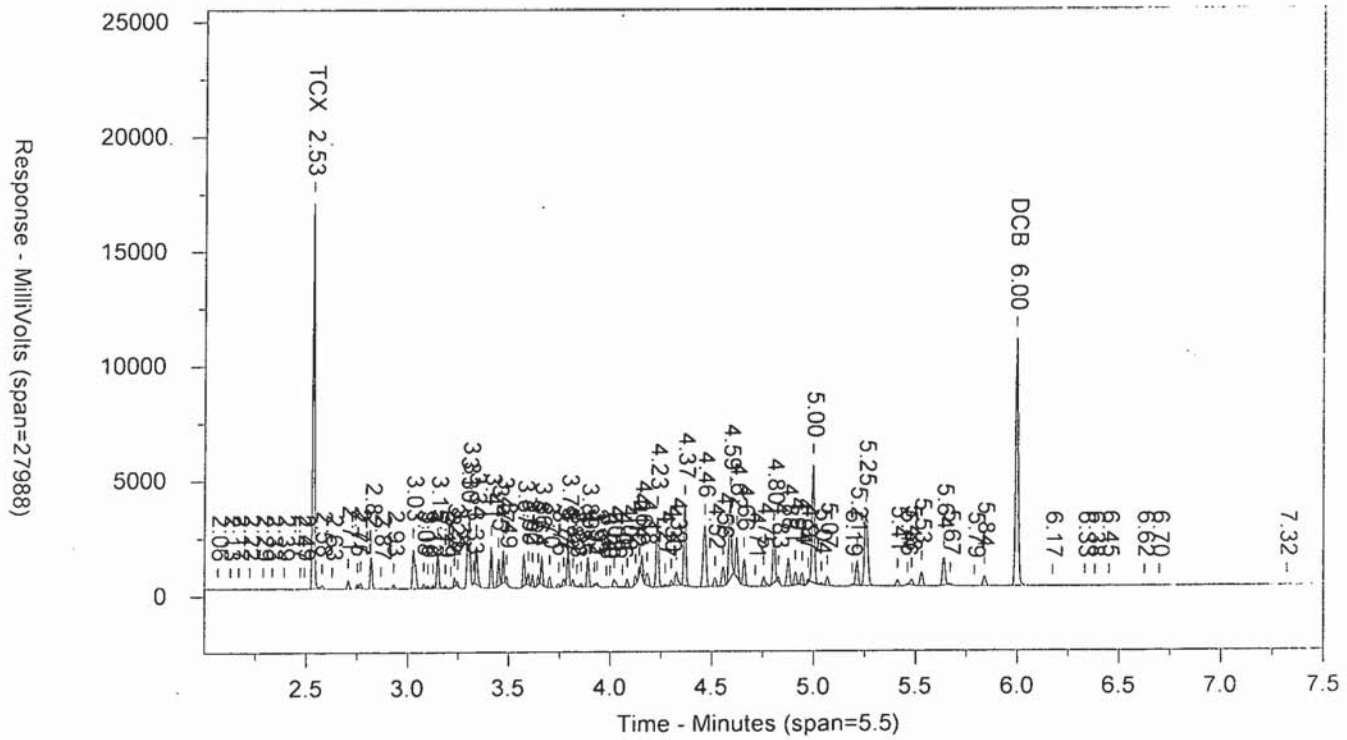

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:13:39 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.794		1404	1268
1.895		2951	6853
1.953		4458	7202
1.971		4203	6876
2.057		9548	21450
2.176		36543	26619
2.27		6968	5285
2.287		15341	12218
2.38		2794	3034
2.524		19298	15566
2.624		1397	1179
2.705		1649	1347
2.736		3382	2259
2.782		1786	925
2.802		6108	7457
2.88	TCX	8080929	5541748
3.034		243640	207056
3.091		214857	210491
3.138		1043205	743973
3.209		13675	7407
3.23		127916	88331
3.27		3677	2586
3.351		995050	593858
3.367		434171	228402
3.404		101744	59147
3.419		47555	21516
3.436		79900	43504
3.465		1252030	927524
3.5		3911	2053
3.517		14707	8704
3.537		83135	55190
3.574		237499	133510
3.587		109934	51402
3.632		486500	262147
3.642		1200658	607723
3.678		1515168	1123133
3.736		1182247	924791
3.775		90897	65245
3.803		762425	561932
3.831		581663	515417
3.85		126093	63283
3.925		855458	614569
3.948		269167	178313
3.979		325707	231652
4.014		858256	914360
4.053		273835	223727
4.081		1670	668
4.099		40537	29445
4.135		47073	37394
4.171		824468	612819
4.191		195852	114387
4.215		228224	160748
4.281		117792	108217

RT A	Compound A	Height A	Area A
4.324		886558	845440
4.357		34177	23189
4.418		20042	18635
4.459		289449	306660
4.515		65269	51638
4.529		179782	121421
4.575		582928	527708
4.62		891432	985966
4.657		230116	166631
4.696		2153250	1996815
4.737		59447	53520
4.786		318604	356971
4.817		90909	64078
4.843		346338	311027
4.895		2580672	3261329
4.944		481163	438254
4.987		1241889	1405930
5.03		25012	14929
5.066		257660	347305
5.103		3234624	3513978
5.165		1554368	1429580
5.208		989681	970845
5.33		2086453	2701451
5.389		922073	865752
5.429		475462	420642
5.469		172235	170329
5.515		668712	642844
5.571		4991810	5346822
5.777		2931973	3008149
5.816		146031	195423
5.828		283131	229314
5.962		173316	167460
6.026		151600	115622
6.049		528422	425489
6.127		8127	15160
6.154		3361	4499
6.205		1383823	1340597
6.249		79102	77817
6.37		1607	630
6.402		416921	420365
6.441		3676	3415
6.492		2551	3078
6.546	DCB	7560678	8223202
6.774		2125	2238
6.847		3607	7577
6.963		1560	3153
6.994		7385	8940
7.051		1431	956
7.072		1348	669
7.132		1117	531
7.197		1792	4194
7.311		1242	3334
7.37		1201	1927
7.406		1460	1139
7.477		1181	642
7.513		1151	522
7.55		1206	1143
7.587		2243	871
7.655		1163	1603
7.709		1009	261
7.738		1093	435
7.771		982	715
7.839		1653	1129
7.871		1476	604
7.973		1149	428
8.065		1321	2519

RT A	Compound A	Height A	Area A
8.098		1948	2607
8.204		1607	1152
8.23		1175	638
8.388		1193	619
8.518		2448	6416
8.582		8704	20322

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:13:39 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.508		3219	2427
1.573		936	1146
1.675		2365	1395
1.733		3202	8750
1.801		4838	19558
1.85		116596	93841
1.926		14093	34644
1.975		44261	38955
2.066		4465	4184
2.105		2341	1260
2.144		594	1314
2.158		2608	2930
2.221		57390	41102
2.284		1634	1515
2.33		1293	1055
2.368		825	635
2.394		1540	984
2.445		3154	1978
2.471		7161	4582
2.492		11863	7101
2.534	TCX	25480960	15274310
2.578		278692	214816
2.707		857218	579825
2.751		231632	114613
2.767		566082	320890
2.819		3201296	2005864
2.867		48531	28415
2.93		423518	274105
3.027		3928936	3819287
3.078		449730	279334
3.099		294128	167394
3.124		297195	171576
3.148		3901787	2599536
3.185		276821	167190
3.212		45575	22064
3.232		907908	473930
3.246		494303	228526
3.272		4281	2064
3.297		1524882	716019
3.305		4439681	1813294
3.326		97197	36673
3.339		3979041	2726336
3.412		4293540	2710994
3.449		2844087	1738787
3.471		3202690	1827783
3.489		827470	391651
3.573		3437579	2186908
3.595		1191838	647064
3.616		1258935	727759
3.644		1028501	532278
3.66		2924428	1703204
3.699		1119249	778836
3.745		356359	312280
3.769		742980	452980

3.79		3823287	2501809
3.815		733799	419742
3.834		128146	62096
3.854		416310	263842
3.888		3133136	2112461
3.92		192708	104475
3.933		303867	160922
3.979		19148	10654
3.997		41142	27480
4.017		824644	810134
4.058		86656	53007
4.083		882854	618999
4.123		923808	557385
4.142		822138	405215
4.155		2276504	1275044
4.18		1247021	1221352
4.231		7640141	5634444
4.27		190931	166333
4.299		601113	394755
4.324		1397515	1169380
4.365		8289421	6296250
4.464		6533292	6719545
4.515		949431	788250
4.555		1915143	1723379
4.589		9102341	7326357
4.621		4314247	3144357
4.658		2868829	2220633
4.714		6501	3582
4.755		909597	651911
4.772		97117	46198
4.804		5426677	4280827
4.826		564863	325008
4.876		2901833	2546651
4.911		1426413	1127160
4.942		1211467	971712
4.973		431746	262147
4.996		13255800	11011720
5.037		227048	167263
5.066		742860	616071
5.145		3354	2400
5.187		132400	82722
5.211		2521537	2106706
5.254		7989009	8567655
5.375		4393	2848
5.41		443909	394812
5.457		153489	105418
5.479		418124	323582
5.528		1486604	1318874
5.638		3150381	2710499
5.67		162682	120316
5.788		3040	2787
5.838		936314	853725
5.961		1808	1733
5.996	DCB	16131510	14114480
6.137		1645	1167
6.171		10081	15793
6.332		2471	2850
6.384		1012	516
6.403		1882	1491
6.45		13842	14788
6.527		1758	1715
6.625		5300	8901
6.78		1234	1337
6.806		1112	666
6.838		2083	2546
7.116		2071	7741
7.164		1993	3494

7.281	1885	2269
7.412	1128	566
7.55	1867	6513
7.674	1687	3985
7.936	956	1456
8.252	1472	6052
8.432	1532	3809
8.598	1022	908

AR1641624B AAAR164AA ICAL 1628299999 10736 SW-846 8082

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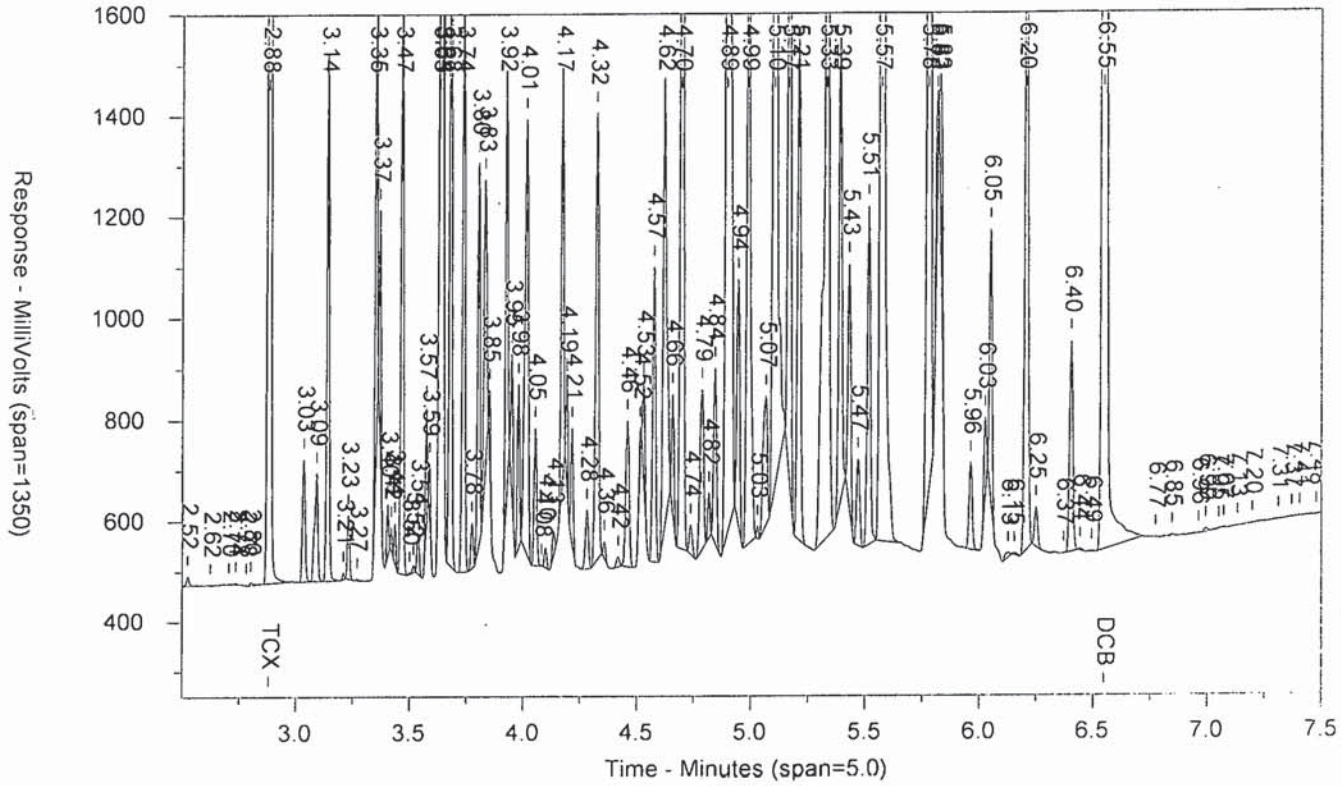

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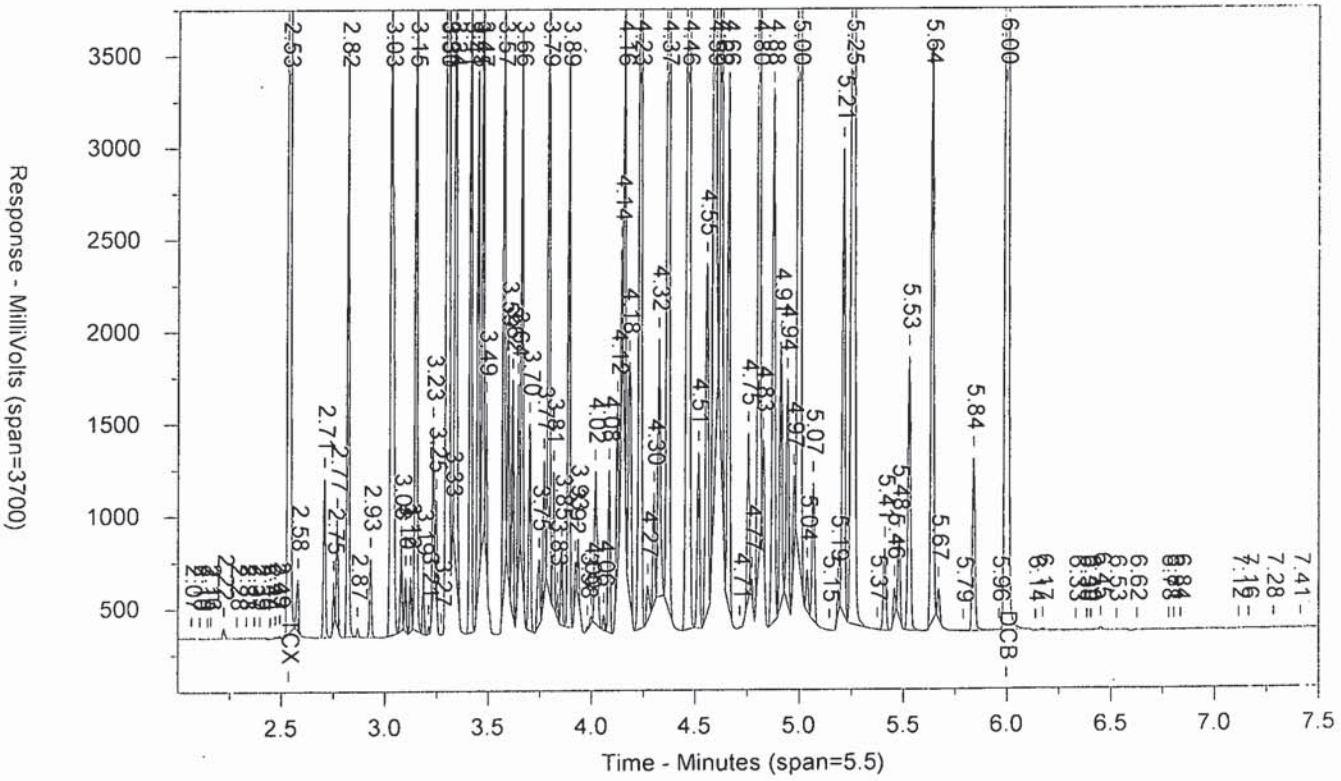

LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:13:39 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	8080929	61.788	TCX	2.534	25480960	62.915	TCX
6.546	7560678	60.517	DCB	5.996	16131510	61.052	DCB

Files:
Area File: 07PCBS16283001.0010.RAW
Area File: 07PCBS16283001B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 3:22:19 PM
File Reported On: 10/9/2016 at 3:22:33 PM

AR1641624B AAAR164AA ICAL 1628299999 10736 SW-846 8082

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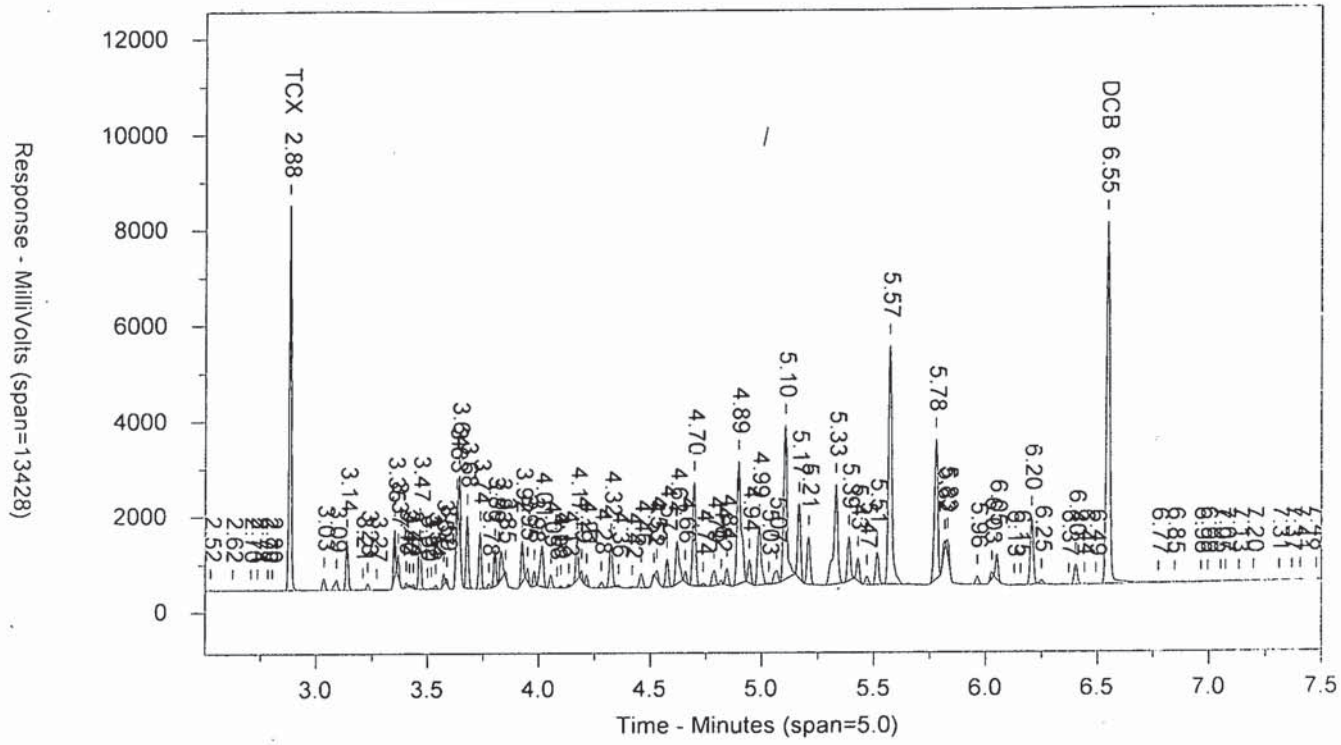

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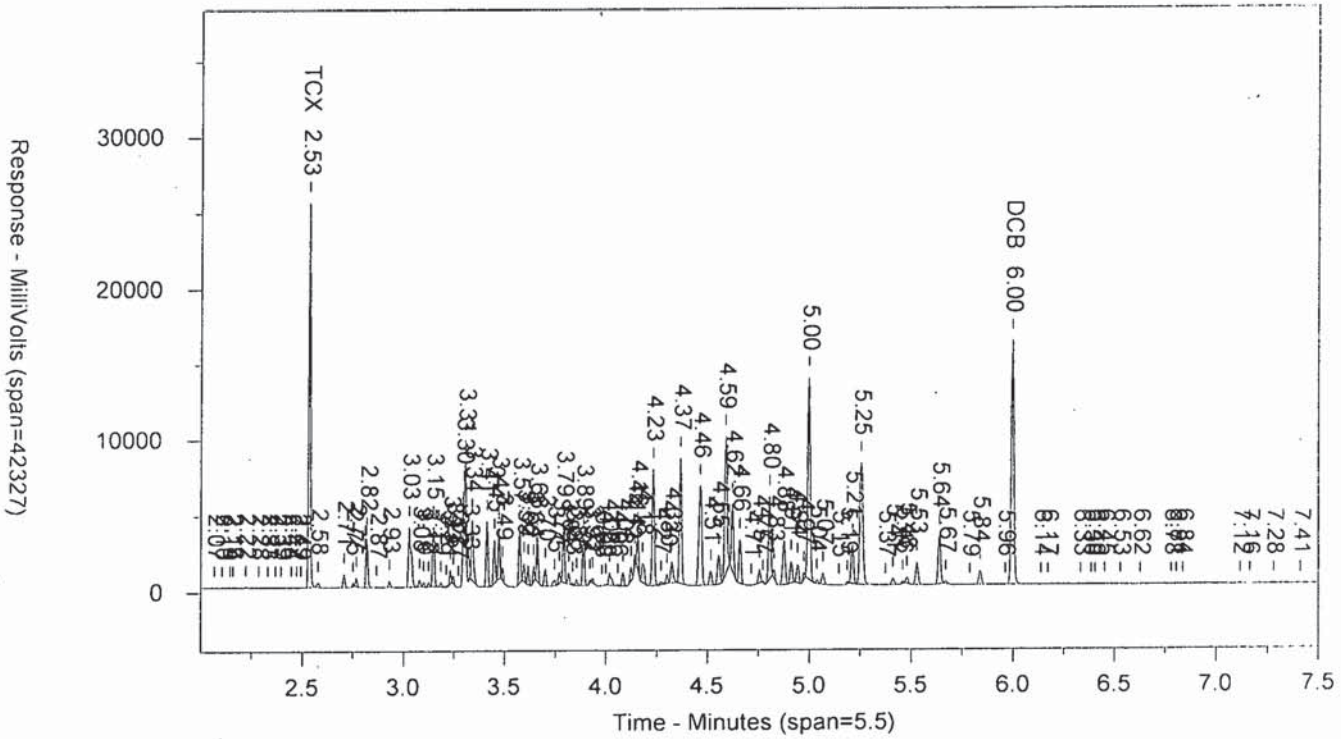

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:25:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		1750	3570
1.953		5307	10743
1.988		5408	9274
2.065		8181	20157
2.124		4279	12086
2.176		47039	35498
2.271		6377	4191
2.287		19941	15697
2.339		3043	5453
2.381		3578	3363
2.431		1483	763
2.524		35293	28932
2.616		1658	1175
2.735		4702	6051
2.782		2554	1320
2.801		9769	7748
2.88	TCX	10708610	7387148
2.984		2150	986
3.035		466639	393514
3.091		405292	365970
3.139		2036328	1451366
3.209		16081	8885
3.231		243842	170701
3.269		7157	5042
3.351		1962167	1167594
3.367		882360	465316
3.404		205801	116665
3.42		92753	41046
3.436		148225	82270
3.466		2505922	1841780
3.5		10366	5200
3.517		22391	13686
3.538		156848	106602
3.574		454311	262787
3.588		214056	103633
3.633		931007	535061
3.643		2582051	1325173
3.679		3133588	2278066
3.736		2476829	1886784
3.776		167365	121751
3.803		1544100	1115682
3.831		1185907	1060324
3.851		271198	129019
3.926		1800794	1260629
3.949		530977	341102
3.979		645467	457727
4.015		1730497	1852688
4.054		535220	433899
4.082		2906	1010
4.099		76265	57457
4.136		85000	68768
4.172		1660647	1252839
4.193		408478	238551

RT A	Compound A	Height A	Area A
4.216		426906	314428
4.282		230123	209092
4.325		1763952	1680028
4.358		60545	41857
4.419		38124	33190
4.459		550633	569824
4.516		144687	101880
4.53		349396	240188
4.575		1149617	1045224
4.621		1768298	1977882
4.658		450036	328129
4.697		4362658	4030140
4.738		106288	97764
4.787		617963	697107
4.818		141615	96669
4.844		680974	613053
4.896		5353187	6580252
4.944		934253	850664
4.988		2601094	2860631
5.032		47183	29510
5.067		485555	630624
5.105		6617329	7149240
5.167		3111626	2835073
5.21		2023424	1941126
5.332		4179015	5510531
5.391		1930275	1750528
5.431		963790	851517
5.47		288556	286540
5.516		1322491	1297584
5.572		10401810	10854610
5.687		6140	4199
5.777		6066430	6148654
5.818		310435	453272
5.831		569690	439034
5.963		248957	249885
6.027		223214	169051
6.049		976560	853839
6.126		5817	9948
6.206		2711156	2674414
6.251		162001	149169
6.404		745421	772802
6.445		5589	4335
6.547	DCB	9986444	10522260
6.62		11089	10231
6.724		1899	623
6.761		2177	1980
6.994		16245	94209
7.032		1260	648
7.076		1745	933
7.117		2729	4938
7.354		1729	1188
7.44		1177	586
7.501		1178	2070
7.547		2772	2706
7.581		1479	823
7.663		1475	724
7.761		1576	3369
7.818		1252	1680
7.904		1283	588
7.987		1368	536
8.049		1737	648
8.132		1294	659
8.287		2227	3919
8.362		1027	2808
8.422		2271	3903
8.588		8858	20407

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:25:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.51		1751	1502
1.573		1409	1493
1.65		2065	3690
1.676		1864	1242
1.725		3150	7163
1.774		4185	5351
1.791		5688	13604
1.85		143306	117398
1.927		10779	30048
1.975		56520	47609
2.065		4965	3111
2.105		2825	1523
2.132		2117	2259
2.16		3011	4317
2.221		105532	76853
2.283		2222	1900
2.331		1653	1277
2.444		2846	1520
2.471		8771	5817
2.492		23338	13653
2.534	TCX	34551460	20552980
2.578		499089	403076
2.706		1656653	1093452
2.751		285652	136406
2.767		1056834	617898
2.819		6175262	3846402
2.867		65758	36816
2.93		783499	513449
3.027		7173060	7344565
3.078		858623	536720
3.099		563341	314332
3.124		574630	325168
3.148		7402537	5018564
3.185		519328	314307
3.212		61354	29303
3.232		1785026	922080
3.247		970166	452036
3.272		8937	4031
3.297		3445703	1630883
3.306		8111867	3530711
3.326		128822	58097
3.339		8018976	5461392
3.412		8688766	5423000
3.449		5497547	3452462
3.472		6744782	3668470
3.489		1638770	762743
3.574		6781431	4347030
3.596		2423399	1285821
3.617		2374850	1412960
3.644		2045539	1062121
3.661		5968840	3466921
3.701		2155276	1506494
3.746		658539	573746
3.77		1429421	874484

3.791		7797659	4991813
3.816		1454072	832363
3.834		231777	113797
3.855		822444	501572
3.889		6168751	4189117
3.921		354219	194048
3.934		526584	285489
3.979		37591	20067
3.997		78065	52374
4.018		1492692	1517735
4.059		134831	81410
4.084		1741404	1214797
4.124		1715364	1049323
4.143		1615914	815194
4.156		4475434	2435114
4.182		2450548	2431120
4.232		15692860	11288830
4.271		362973	306656
4.3		1203225	769781
4.324		2680519	2186197
4.367		16893000	12689690
4.466		13830410	13596060
4.516		1868864	1528498
4.555		3795440	3310430
4.589		18669550	15225730
4.622		8942839	6422512
4.659		5896455	4448434
4.716		12135	7325
4.755		1819171	1312689
4.773		146572	76397
4.805		11451370	8689939
4.827		1169863	688193
4.877		5657468	5034771
4.912		2801255	2223083
4.943		2279837	1835208
4.974		964302	561564
4.997		28058840	22810820
5.038		436406	332289
5.068		1204255	1022284
5.11		8248	5141
5.148		6236	5082
5.188		249339	158046
5.212		5101093	4171695
5.255		15977960	18069660
5.354		6345	3147
5.374		8345	5774
5.411		632235	577525
5.458		315851	218727
5.479		574082	434054
5.528		2965646	2552106
5.638		6291582	5420013
5.67		291158	222744
5.79		3431	2624
5.838		1690654	1540690
5.934		1320	700
5.958		2208	1451
5.997	DCB	21617450	18593280
6.13		1534	1017
6.171		14740	14516
6.387		821	534
6.45		17697	18550
6.526		2499	2926
6.563		2245	3196
6.624		3952	4367
6.726		2113	3918
6.842		2791	2959
6.952		1446	1600

7.173	2188	3391
7.242	1292	1406
7.322	2814	3315
7.447	2494	4638
7.486	1054	1546
7.555	1320	1325
7.665	1330	1743
7.751	1333	1664
7.946	1121	1384
8.251	2543	9985
8.329	919	645

AR1651624B AAAR165AA ICAL 1628299999 10736 SW-846 8082

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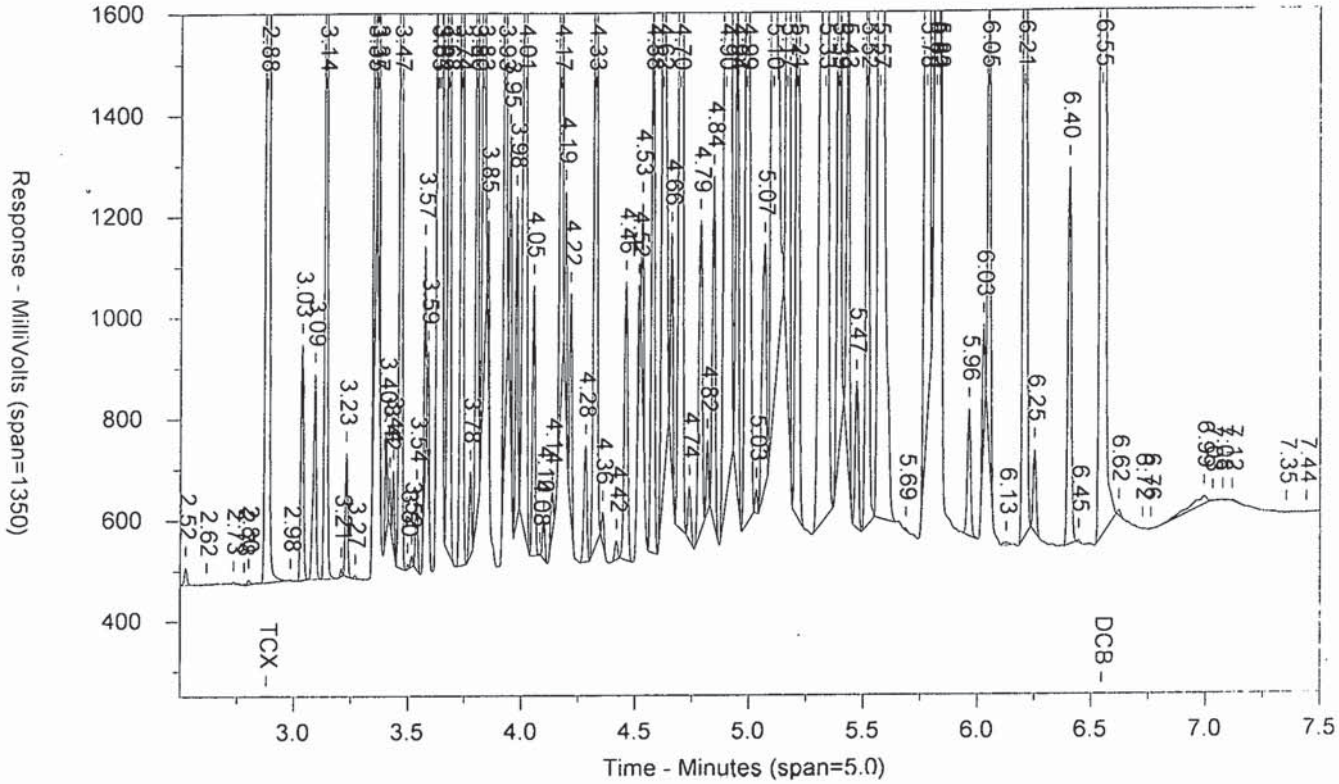

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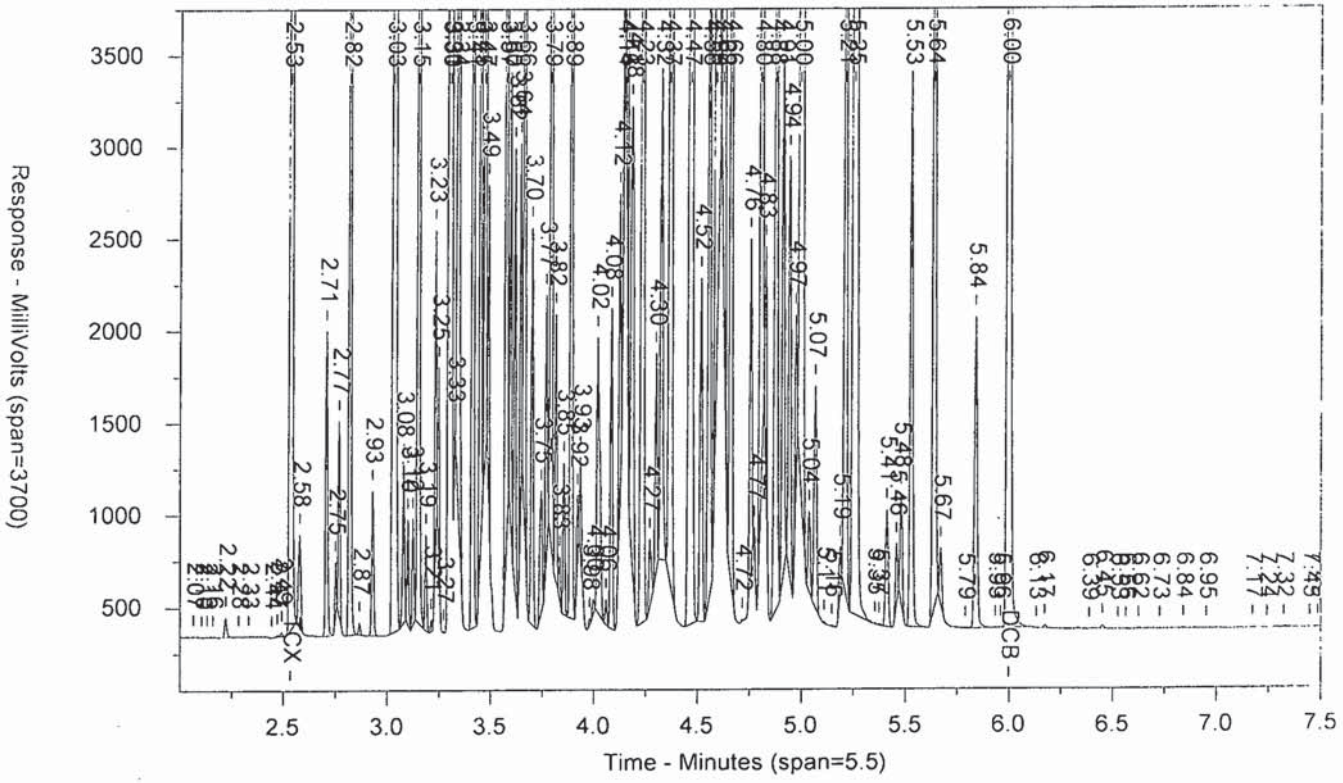

LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:25:09 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	10708610	81.855	TCX	2.534	34551460	84.801	TCX
6.547	9986444	79.696	DCB	5.997	21617450	81.007	DCB

Files:
Area File: 07PCBS16283001.0011.RAW
Area File: 07PCBS16283001B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 3:33:49 PM
File Reported On: 10/9/2016 at 3:34:01 PM

AR1651624B AAAR165AA ICAL 1628299999 10736 SW-846 8082

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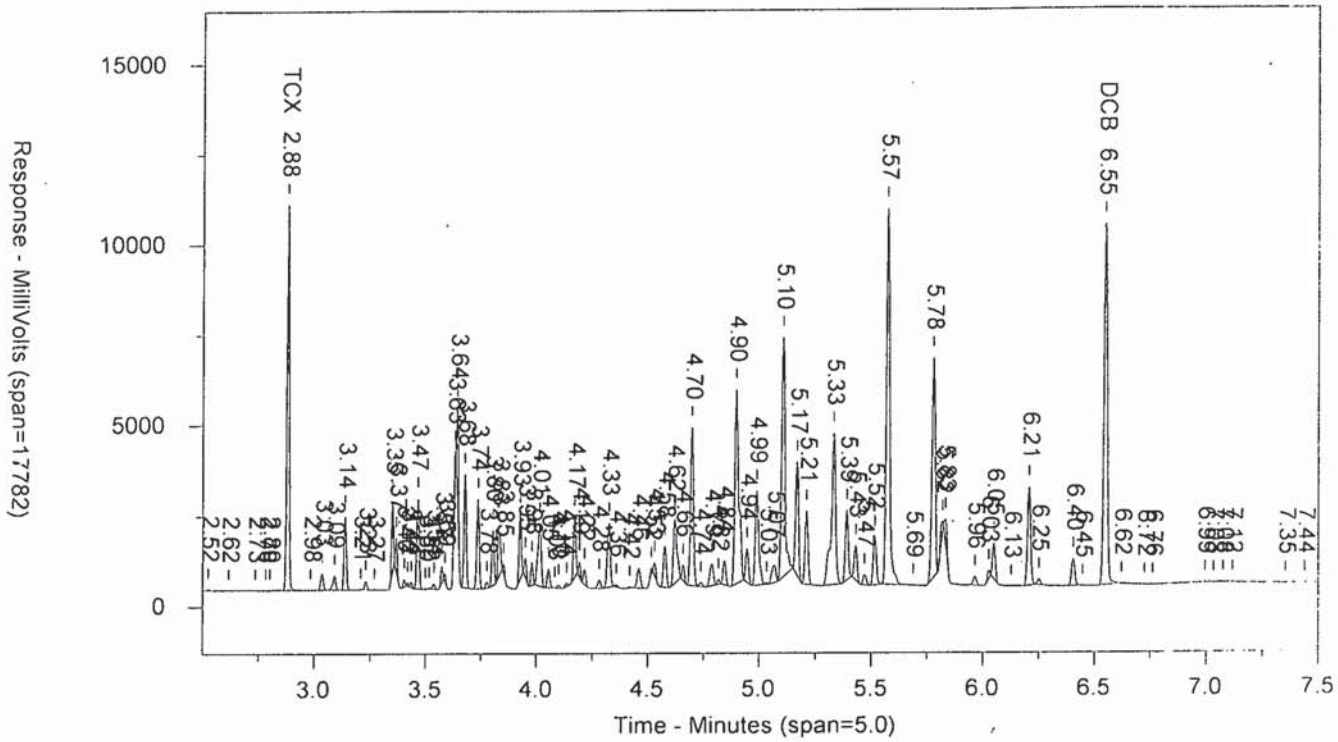

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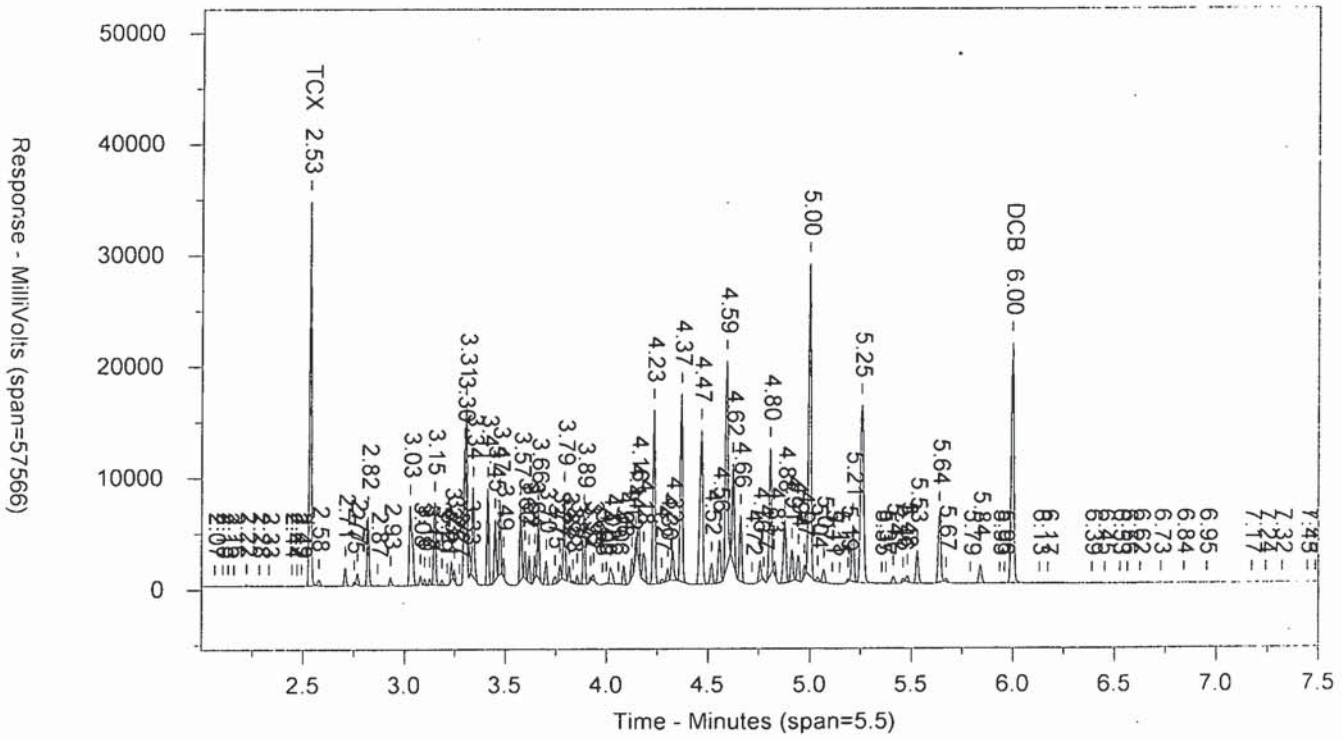

LANCASTER LABORATORIES

Sample Number: AR4811624B AAAR481AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:36:35 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.529		6550	6432
1.793		1052	614
1.943		5117	6667
2.055		7369	19631
2.177		3204	3417
2.27		9285	10309
2.344		5039	10274
2.413		2849	6784
2.451		1436	1560
2.523		2642	4856
2.656		1158	493
2.681		942	804
2.734		9847	11658
2.782		2361	1512
2.84		1821	3796
2.88	TCX	482110	342986
3.034		13009	11119
3.079		6869	7670
3.138		27392	19916
3.23		5303	3834
3.279		1133	932
3.35		63295	38787
3.367		18412	9305
3.405		3647	2285
3.419		4729	2332
3.464		60802	44123
3.537		9520	6067
3.573		10347	6013
3.631		43850	24767
3.641		51349	25726
3.677		90590	70264
3.734		70265	56338
3.774		8486	5825
3.802		124322	91956
3.829		84619	66958
3.85		21062	11897
3.924		130726	101340
3.948		36652	23836
3.978		47850	34989
4.013		108749	109802
4.053		39837	33686
4.098		4184	3099
4.137		9683	8741
4.171		92426	66584
4.191		116078	74169
4.214		124440	91669
4.279		11423	11071
4.32		119191	102237
4.34		24648	13243
4.357		17091	9832
4.397		2131	975
4.419		6314	4030
4.461		39605	36748

RT A	Compound A	Height A	Area A
4.513		55453	49295
4.545		29973	22697
4.574		94679	83878
4.619		2578	1841
4.659		37618	33675
4.697		9639	11095
4.748		9357	8818
4.788		64199	60127
4.866		5474	6717
4.895		5505	4163
4.941		1409	1052
4.987		61965	64802
5.057		7985	8542
5.103		17628	16783
5.128		1485	911
5.165		2728	2421
5.256		1464	1916
5.314		6945	12373
5.471		5901	6242
5.514		3606	2927
5.571		3626	2558
5.592		6930	4983
5.78		5632	7007
5.822		3001	4195
5.913		1475	2182
5.962		8639	9082
6.002		2423	1785
6.028		10752	12351
6.207		3042	3554
6.275		1760	2715
6.329		1075	427
6.403		6243	6859
6.546	DCB	534653	571302
6.848		3129	11861
7.001		1347	2326
7.075		1837	2958
7.173		1450	1314
7.223		1121	3106
7.27		1325	1112
7.309		1440	1881
7.415		1105	5288
7.438		1450	1183
7.494		1249	576
7.566		1411	713
7.613		1554	1428
7.643		1138	539
7.696		1074	555
7.726		1457	762
7.754		1079	1139
7.816		1045	1752
7.878		1209	1495
7.964		1594	1004
8.049		1427	3973
8.085		1426	249
8.116		1354	1340
8.196		1651	2482
8.26		1455	1077
8.38		1548	3364
8.429		1894	878
8.52		1485	2449
8.585		8025	16910
8.675		1811	1130

LANCASTER LABORATORIES

Sample Number: AR4811624B AAAR481AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:36:35 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.509		1796	1544
1.595		1227	728
1.7		4018	6817
1.728		5747	7459
1.791		7000	17381
1.811		6231	8510
1.848		35189	32433
1.877		6650	7064
1.925		11414	34686
1.974		6968	10969
2.04		1455	1495
2.081		3473	8102
2.133		2136	2968
2.158		2434	3407
2.222		2818	2123
2.335		2674	2586
2.42		4107	3361
2.471		23394	19782
2.534	TCX	1563072	953954
2.578		7152	5164
2.707		42346	27478
2.751		18913	9952
2.767		8373	4328
2.819		92506	58006
2.867		3592	3860
2.93		16072	10566
2.966		1124	1162
3.027		251337	229772
3.078		16445	9479
3.099		14899	9973
3.123		4068	1849
3.148		207832	138717
3.185		31084	18591
3.232		39009	20474
3.248		20309	11885
3.305		407625	443508
3.326		27826	10785
3.339		224380	148974
3.376		4107	2326
3.412		265245	171127
3.449		453328	287928
3.471		414675	233012
3.489		123588	60394
3.573		522301	337330
3.596		169141	91935
3.616		186207	109813
3.644		99449	50712
3.661		387661	227991
3.7		159198	107905
3.747		26312	22812
3.769		278124	172119
3.792		676210	434624
3.815		452132	275456
3.834		32697	14374

3.855		41334	23149
3.872		2311	755
3.889		215916	143344
3.921		370837	266061
3.947		157266	82690
3.994		26586	24949
4.029		129050	98180
4.059		2598	1239
4.084		214859	159371
4.115		122266	84444
4.142		339026	241729
4.178		5519	5188
4.232		146022	123475
4.269		27282	19351
4.3		196843	148664
4.338		8247	4576
4.366		27493	17581
4.389		12205	8028
4.461		32117	35333
4.511		168619	138417
4.559		23767	21842
4.59		52448	43235
4.622		5842	6465
4.659		3635	2441
4.683		1230	1047
4.737		1018	680
4.773		1321	997
4.804		9319	7016
4.828		15204	12111
4.875		5482	6300
4.912		2628	2265
4.946		15242	11907
4.975		3243	2123
4.996		16748	14103
5.067		26410	25017
5.211		7275	6321
5.257		12609	13267
5.411		29440	27095
5.48		28657	25096
5.529		10092	9743
5.596		875	683
5.639		6678	5670
5.79		1186	2447
5.84		14984	13625
5.997	DCB	1097700	1061354
6.484		1279	779
6.624		980	1406
7.42		1115	862
7.764		1216	1555
7.936		879	522
8.013		918	686

AR4811624B AAAR481AA ICAL 1628299999 10736 SW-846 8082

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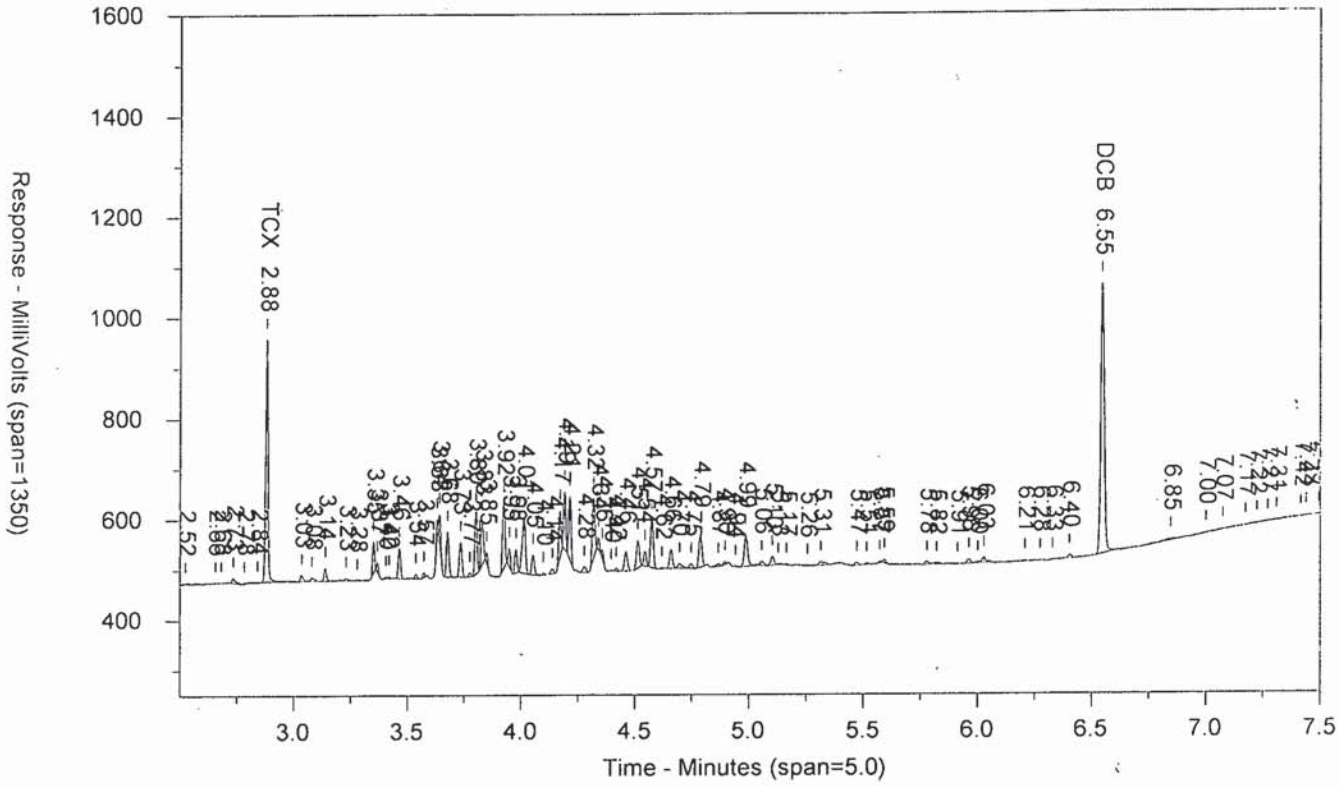

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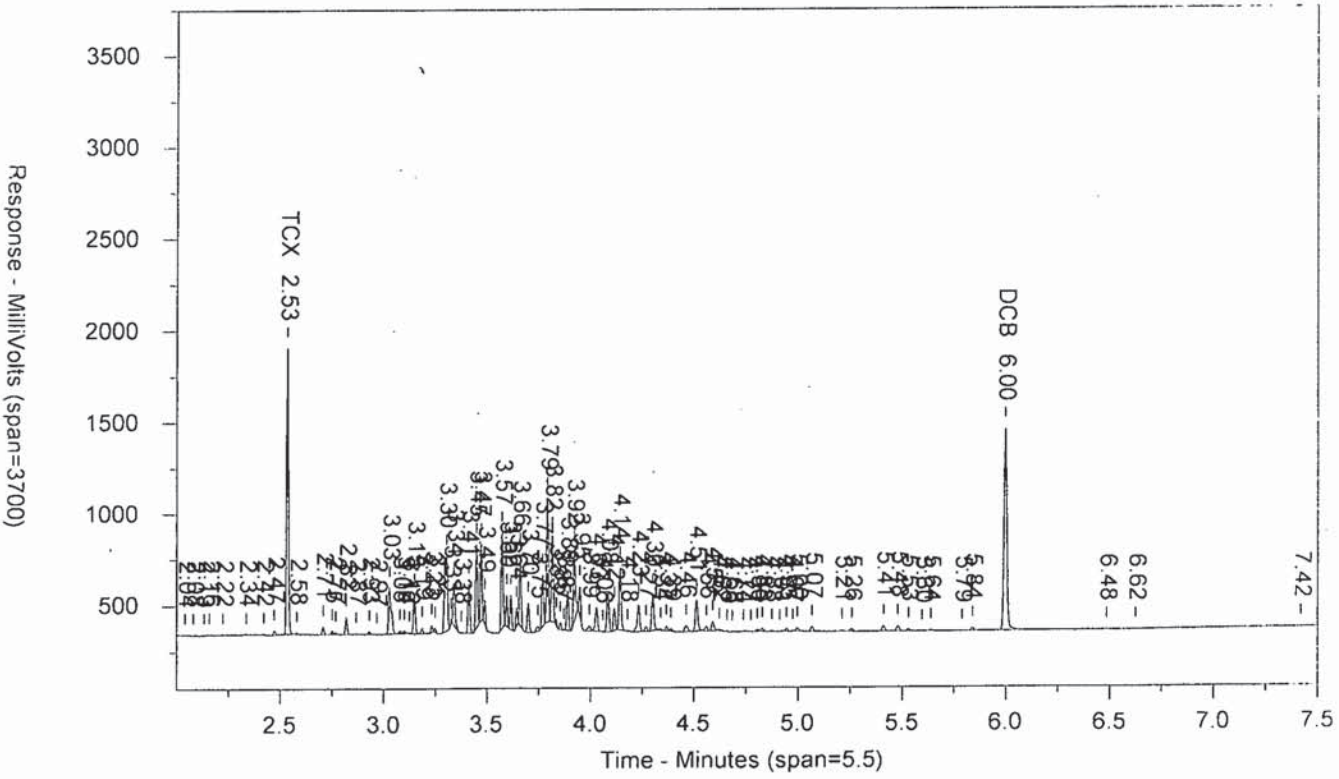

LANCASTER LABORATORIES

Sample Number: AR4811624B AAAR481AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:36:35 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	482110	3.67	TCX	2.534	1563072	3.794	TCX
6.546	534653	4.254	DCB	5.997	1097700	4.088	DCB

Files:
Area File: 07PCBS16283001.0012.RAW
Area File: 07PCBS16283001B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 3:45:16 PM
File Reported On: 10/9/2016 at 3:45:23 PM

AR4811624B AAAR481AA ICAL 1628299999 10736 SW-846 8082

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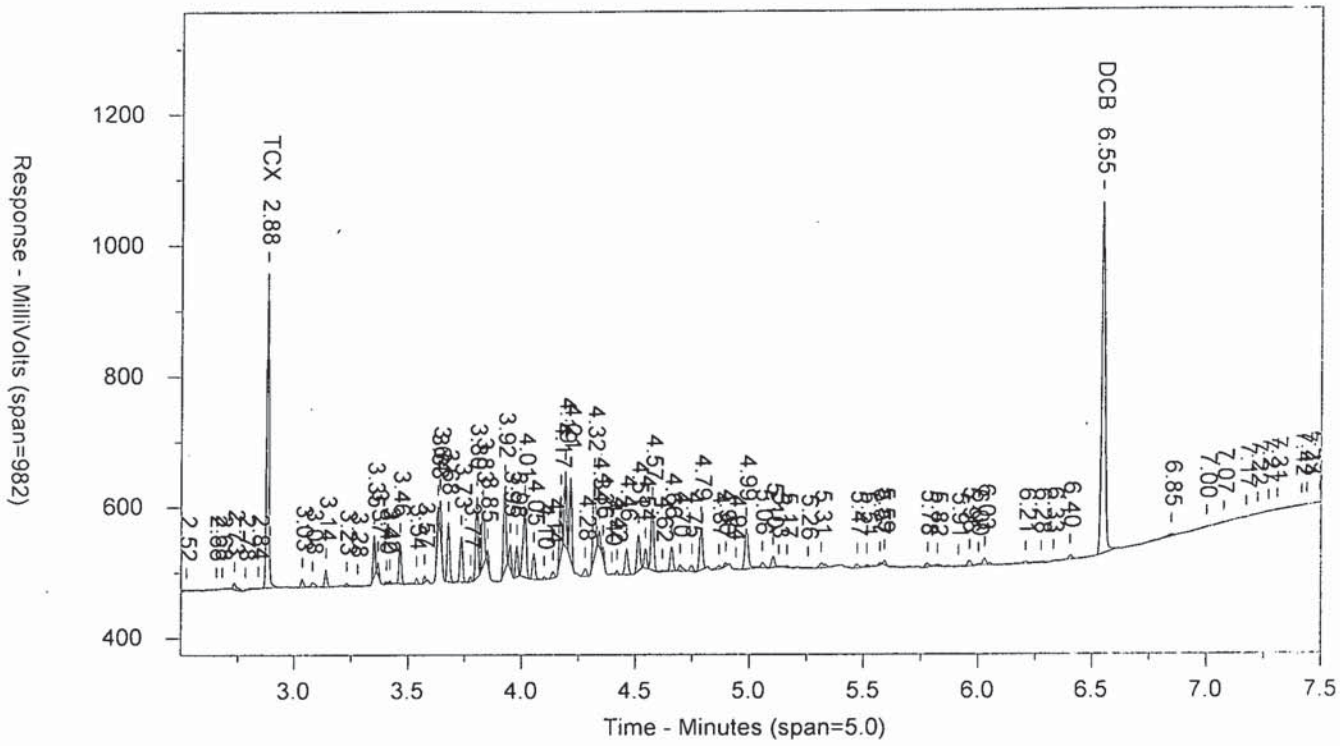

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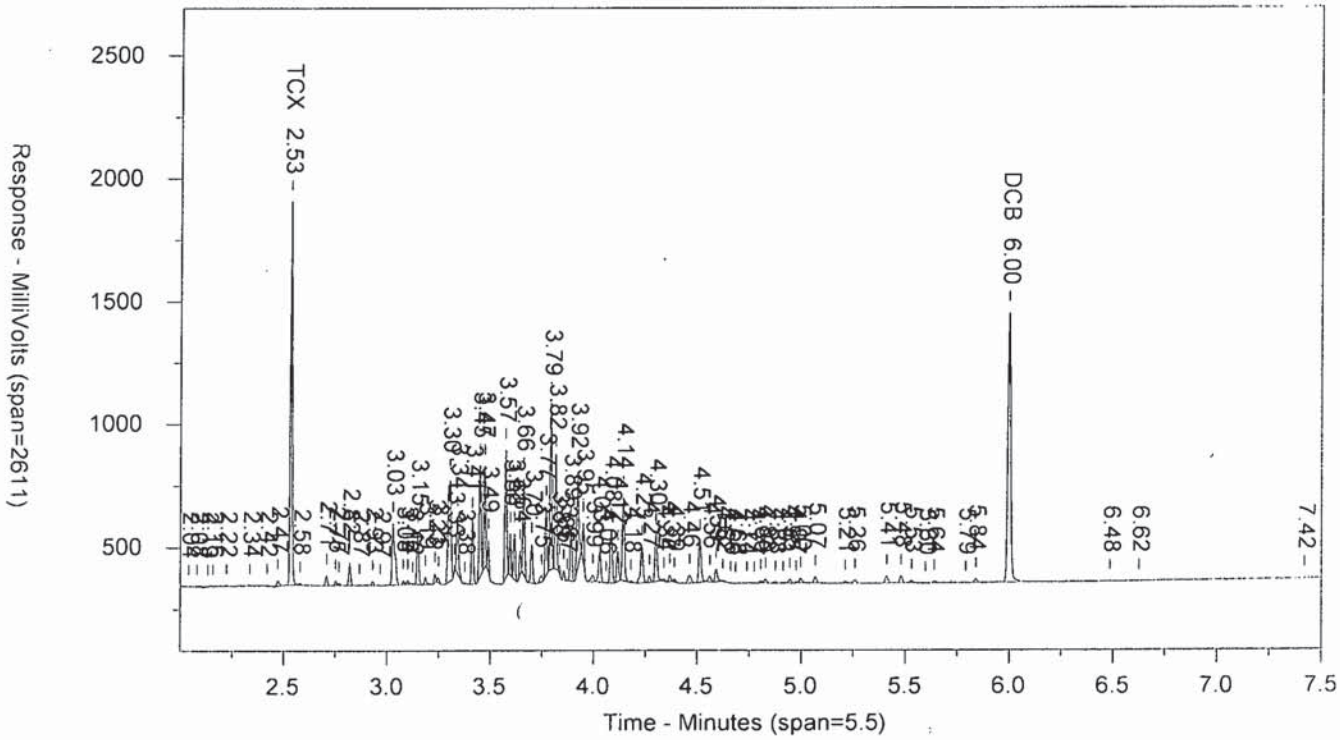

LANCASTER LABORATORIES

Sample Number: AR4821624B AAAR482AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:48:06 PM
Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP7-19843A
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.527		6786	8040
1.843		1555	554
1.951		4105	8355
2.061		7692	18691
2.12		4626	13836
2.176		14020	11936
2.21		2263	3339
2.27		8887	6133
2.287		5152	4105
2.344		3979	8471
2.432		3459	13518
2.509		1828	937
2.577		1434	1465
2.616		1574	700
2.734		12337	16101
2.789		1838	1432
2.809		2375	3207
2.88	TCX	2673504	1752092
3.035		24439	21433
3.08		32991	30764
3.138		54760	39199
3.209		5190	3286
3.23		9549	6550
3.351		120838	76360
3.367		34884	18174
3.404		7341	3811
3.419		8409	4381
3.465		120996	89055
3.519		4945	2975
3.537		19069	12600
3.573		21263	12301
3.631		90400	50751
3.642		92990	44863
3.678		179489	140010
3.735		134522	116144
3.776		18392	12498
3.802		236028	179923
3.829		160906	130922
3.851		46547	24306
3.925		268800	198335
3.948		69445	46521
3.979		93355	68946
4.013		220345	215163
4.053		77359	63041
4.098		8119	5585
4.138		19093	17070
4.171		188854	133335
4.192		233551	148464
4.215		245892	182187
4.281		23451	22139
4.32		234104	206373
4.342		51095	26420
4.356		25756	14986

RT A	Compound A	Height A	Area A
4.397		3524	1761
4.42		11812	8486
4.463		76796	73529
4.514		107820	96466
4.545		57027	44692
4.576		184211	165357
4.618		4165	4228
4.659		73887	67192
4.697		16555	20855
4.747		20319	19299
4.788		121345	114002
4.818		19068	14602
4.869		9115	8270
4.895		10007	6842
4.911		7036	5236
4.942		2678	2739
4.988		114788	123382
5.058		35811	35129
5.105		32998	31249
5.141		3270	3379
5.165		4388	3533
5.21		3022	3670
5.314		13507	22889
5.392		1950	2336
5.47		27434	28134
5.515		6699	7471
5.592		45016	58233
5.777		10108	11594
5.827		3973	6703
5.964		42119	42214
6.028		41515	37540
6.051		9162	5664
6.208		5217	5282
6.278		1715	1752
6.345		1871	2666
6.403		28910	30406
6.444		1254	935
6.547	DCB	2480971	2671043
6.661		1870	1294
6.695		1312	511
6.749		1530	627
6.773		1344	630
6.823		1386	1267
6.846		2419	1983
6.885		1265	469
6.925		1342	1725
6.996		2758	3089
7.103		1446	278
7.213		1793	4636
7.311		1190	4131
7.38		1551	3152
7.405		1045	1268
7.477		1284	1811
7.55		1199	665
7.573		1148	421
7.633		700	473
7.794		1129	2239
7.921		1842	2256
7.94		1630	872
7.961		1520	1546
8.104		1196	1156
8.116		1360	1183
8.178		1456	1230
8.213		1368	572
8.281		1796	1617
8.419		2585	3478

RT A	Compound A	Height A	Area A
8.524		1721	1222
8.584		7956	16527

LANCASTER LABORATORIES

Sample Number: AR4821624B AAAR482AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:48:06 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.509		1357	1001
1.617		1302	1262
1.672		3191	1343
1.732		6794	19357
1.763		6967	6302
1.789		7873	9304
1.812		7114	12257
1.849		61763	52035
1.876		7675	8531
1.926		11418	33989
1.975		18882	23052
2.029		2217	2591
2.071		2226	2875
2.131		3994	4940
2.164		2661	4620
2.221		5069	3817
2.332		4330	2842
2.393		1422	1016
2.419		4261	3339
2.471		28374	25624
2.534	TCX	8062535	4881123
2.578		12836	8408
2.707		90738	59172
2.751		99174	52524
2.768		14796	6946
2.819		184000	117177
2.867		16352	9490
2.93		34105	21021
3.027		489781	446525
3.079		34349	20622
3.099		36442	21039
3.124		8624	4164
3.148		414060	273777
3.185		65721	38383
3.212		13656	6769
3.232		79296	41851
3.248		34545	19261
3.305		781849	869529
3.326		47534	20114
3.34		447140	298949
3.413		528713	337342
3.449		874359	548666
3.472		789321	444409
3.489		237566	115653
3.573		985884	626234
3.596		324819	176298
3.616		367458	217585
3.644		193941	98542
3.661		730685	441623
3.7		314101	212614
3.747		58368	47993
3.769		544512	338711
3.791		1325647	851357
3.815		905428	545927

3.834		63105	27885
3.854		78938	44869
3.871		5805	1856
3.889		416390	277772
3.921		721872	530400
3.947		310766	167610
3.995		54009	42512
4.029		244919	194169
4.059		12238	6609
4.084		422582	311125
4.115		232019	161994
4.142		647938	472850
4.179		11251	10564
4.233		274132	244429
4.268		58594	41081
4.3		380282	276655
4.339		56641	36776
4.367		49358	31246
4.389		24550	15749
4.461		68158	71687
4.511		338120	283694
4.561		106950	89455
4.59		101001	84264
4.622		5769	2571
4.658		5821	3465
4.713		1748	3148
4.756		2850	1473
4.773		2705	1791
4.805		19448	13306
4.827		29449	22499
4.875		14117	15893
4.912		4750	3161
4.946		67838	57154
4.975		7631	4995
4.997		29566	26095
5.067		127644	112170
5.19		953	859
5.212		14885	12581
5.258		25579	27184
5.412		120348	103175
5.48		135832	119169
5.529		41113	36842
5.639		12086	11150
5.795		1600	1895
5.84		65007	56449
5.997	DCB	5008156	4732715
6.294		1198	1596
6.455		4071	3983
7.044		652	313
7.459		820	431
7.614		789	438
8.183		981	393
8.231		1729	4038
8.358		780	1664
8.427		1060	1779
8.474		1128	871
8.538		762	430

AR4821624B AAAR482AA ICAL 1628299999 10736 SW-846 8082

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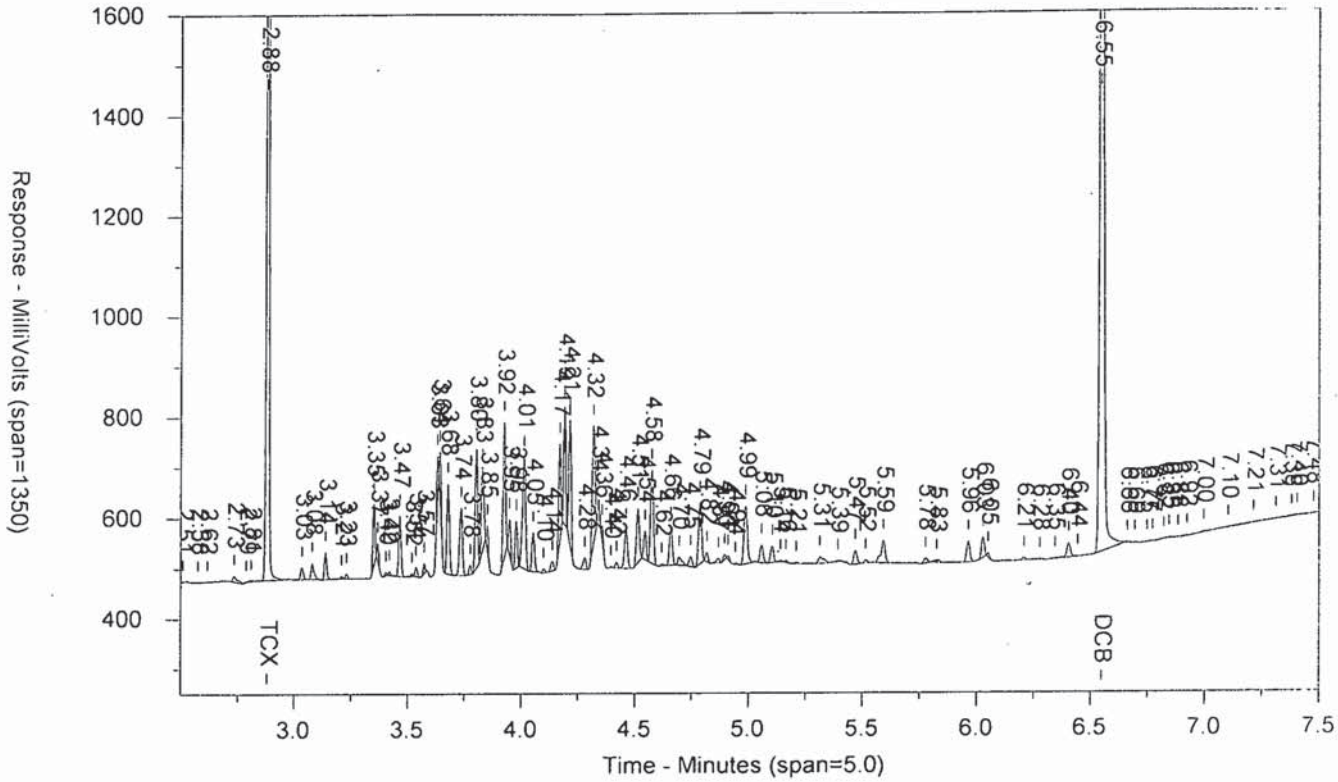

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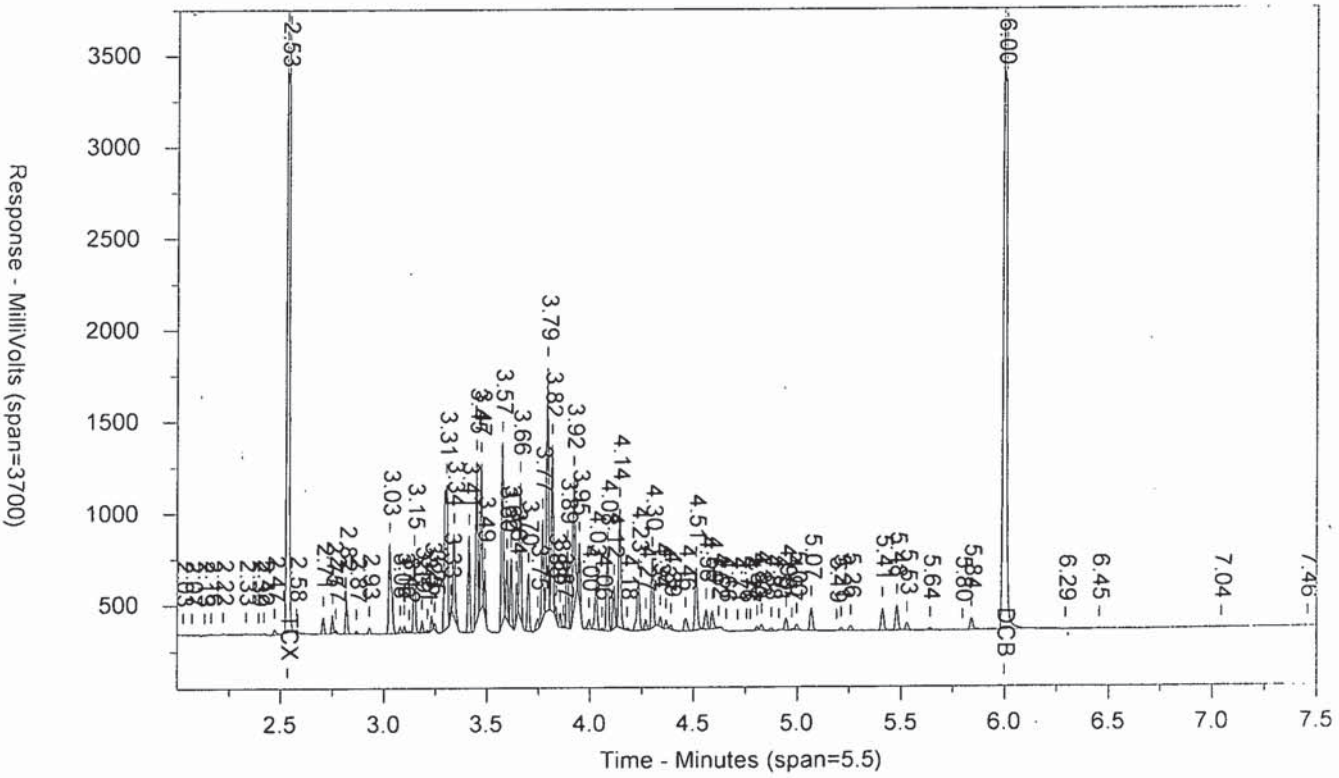

LANCASTER LABORATORIES

Sample Number: AR4821624B AAAR482AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:48:06 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	2673504	20.354	TCX	2.534	8062535	19.568	TCX
6.547	2480971	19.742	DCB	5.997	5008156	18.65	DCB

Files:
Area File: 07PCBS16283001.0013.RAW
Area File: 07PCBS16283001B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 3:56:46 PM
File Reported On: 10/9/2016 at 3:56:57 PM

AR4821624B AAAR482AA ICAL 1628299999 10736 SW-846 8082

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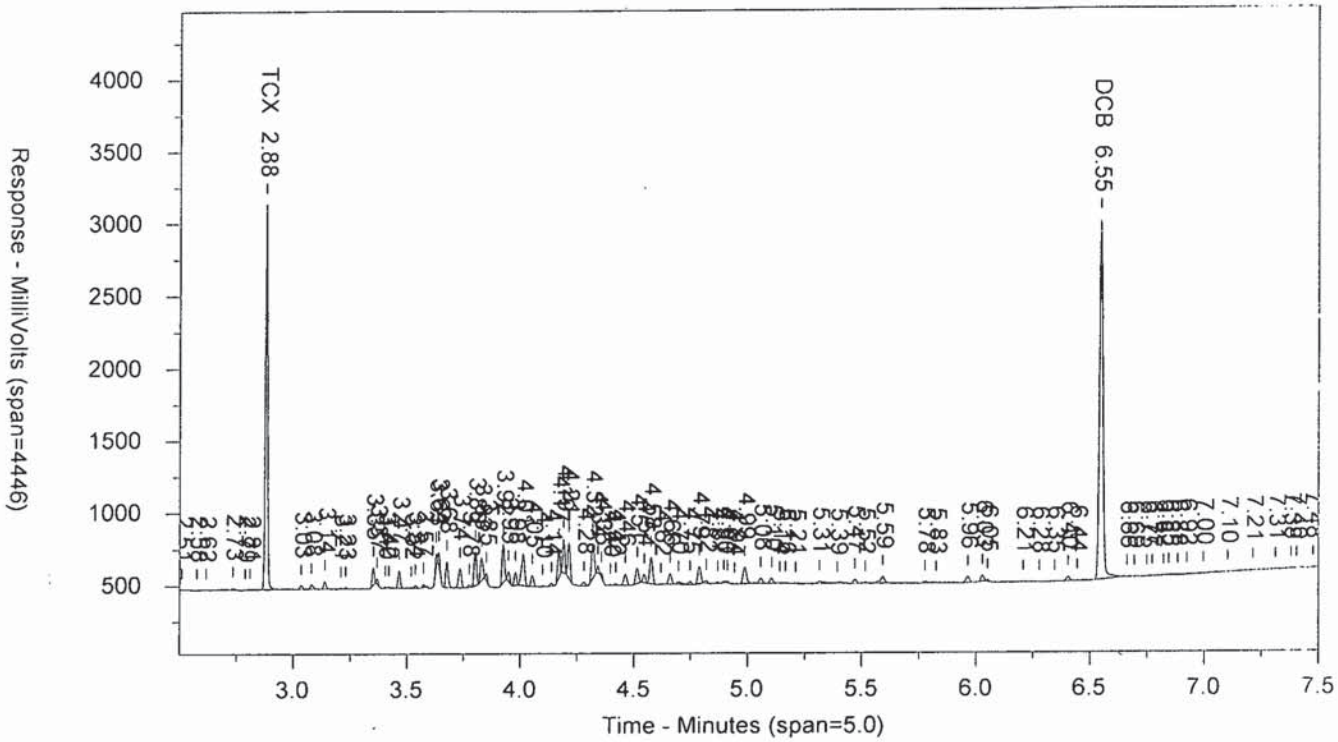

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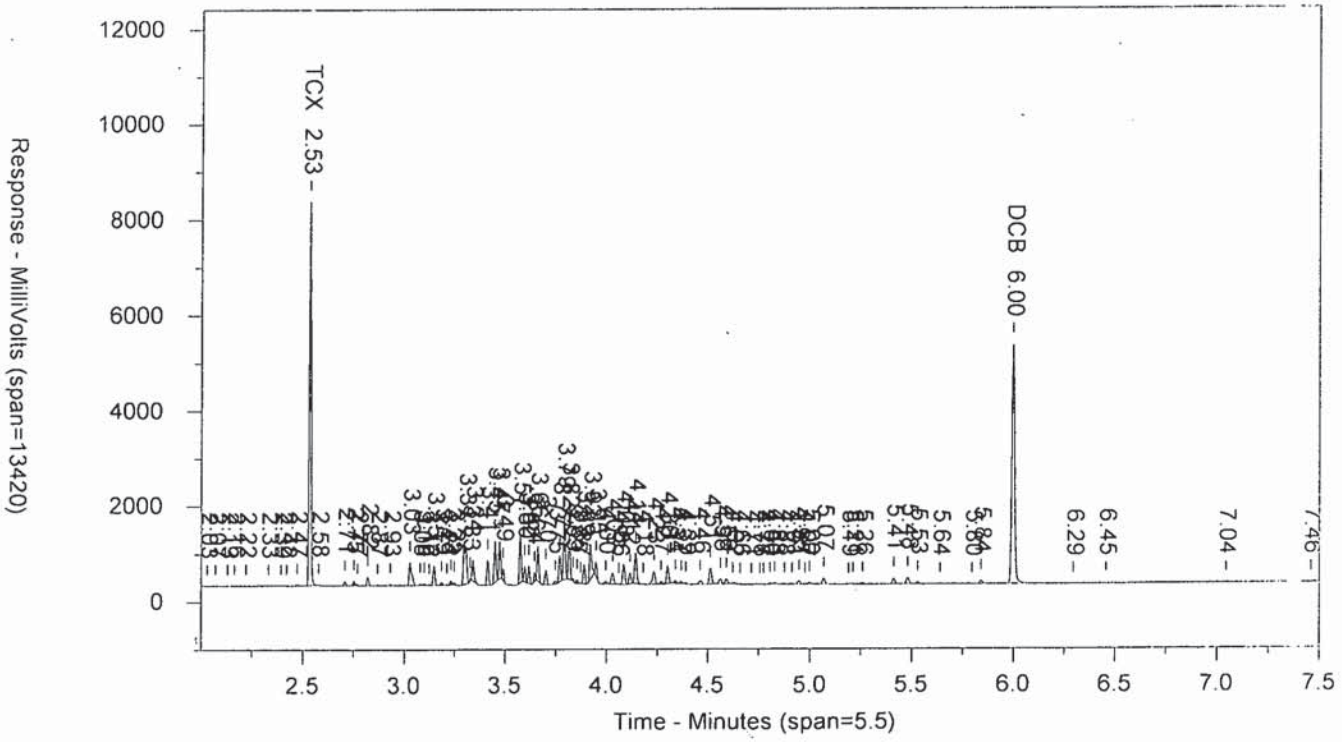

LANCASTER LABORATORIES

Sample Number: AR4831624B AAAR483AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:59:36 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0014.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		6756	8072
1.601		1493	865
1.805		938	382
1.951		3502	6092
2.059		8350	20461
2.176		24560	18905
2.27		6625	4859
2.287		10764	8018
2.392		1801	2440
2.525		4096	3263
2.616		1356	939
2.645		1334	1020
2.735		17974	18386
2.785		1500	869
2.806		1851	1000
2.881	TCX	5330632	3592508
3.035		45610	39144
3.08		64982	55634
3.139		104212	76047
3.209		9137	5428
3.23		17875	12084
3.351		224490	139891
3.367		69430	34319
3.404		14390	7597
3.42		16460	8519
3.465		229575	170601
3.52		8420	5321
3.538		35509	23217
3.574		40148	23597
3.588		8618	3861
3.632		155901	91704
3.642		172260	86730
3.678		333787	258960
3.735		263946	213461
3.775		37734	26489
3.802		442230	326347
3.829		287816	237868
3.85		74495	40613
3.925		488930	368251
3.948		136309	86801
3.979		176199	128371
4.013		415222	401405
4.053		142679	117901
4.099		15584	11112
4.137		37379	33175
4.17		359863	249464
4.191		416703	275463
4.214		476750	344741
4.28		44484	43251
4.319		436266	381470
4.341		106412	53563
4.356		55086	28672
4.398		6472	4243

RT A	Compound A	Height A	Area A
4.42		24902	18524
4.462		138912	130586
4.514		195460	178740
4.545		112076	82609
4.575		338955	309017
4.619		8223	7850
4.659		135750	125120
4.696		32050	38017
4.747		33305	31452
4.788		228645	211531
4.817		35011	26495
4.868		17957	17789
4.895		21528	15074
4.912		14714	9419
4.943		6037	5097
4.987		225891	233739
5.029		4370	2609
5.058		67048	66657
5.105		60925	57923
5.144		4670	2736
5.166		9261	7517
5.208		5175	5256
5.316		14260	11735
5.392		4261	4027
5.428		2900	2181
5.469		52728	52003
5.515		11731	10429
5.591		84591	112578
5.776		18475	19795
5.827		8451	14820
5.963		79697	83274
6.028		85577	74420
6.05		16075	10238
6.207		9518	9809
6.374		1169	368
6.403		52856	56707
6.463		1201	798
6.484		1706	843
6.546	DCB	4833977	5235898
6.665		2609	3992
6.898		1037	9084
6.994		5009	7876
7.098		945	2932
7.143		1610	1117
7.168		1017	442
7.224		1174	547
7.241		1302	626
7.288		903	1344
7.326		1384	1124
7.35		1242	1337
7.495		1235	2042
7.519		991	880
7.547		1141	1393
7.587		821	679
7.676		1100	661
7.769		1763	4621
8.102		2605	4019
8.143		1423	551
8.202		1094	280
8.248		1255	932
8.301		928	749
8.359		1209	2611
8.381		1571	878
8.413		948	494
8.533		1342	980
8.583		8122	19472

RT A	Compound A	Height A	Area A
8.666		3118	6271

LANCASTER LABORATORIES

Sample Number: AR4831624B AAAR483AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:59:36 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0014.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.64		3566	8186
1.674		3429	1992
1.708		4238	5925
1.727		5481	7261
1.805		6320	20557
1.849		84172	75270
1.927		13767	35788
1.975		31336	30604
2.065		2994	3122
2.134		1839	2843
2.173		2368	3207
2.222		10231	7608
2.265		2278	3090
2.315		980	466
2.421		1949	1446
2.471		41305	34646
2.534	TCX	16275070	9901567
2.579		23581	14644
2.707		167989	111963
2.752		190402	101537
2.768		31928	14822
2.819		331356	214439
2.867		32067	19218
2.93		66662	40854
3.027		877441	814963
3.078		64632	36730
3.099		71436	41096
3.124		18605	9654
3.148		741410	502629
3.185		128662	75357
3.212		30993	15731
3.232		150607	79692
3.247		54998	25519
3.305		1494146	1618110
3.326		93168	36812
3.339		820934	550219
3.413		978934	627181
3.449		1583977	1010126
3.472		1464935	817588
3.489		429233	213041
3.573		1900249	1201852
3.596		587160	315910
3.616		667018	398368
3.644		346122	179330
3.661		1385483	825005
3.7		578886	393388
3.747		118019	93691
3.769		1030467	634834
3.792		2533416	1612796
3.815		1688672	1029956
3.834		108980	52228
3.855		143008	82675
3.871		10477	3353
3.889		754869	510249

3.921		1386721	983776
3.947		587053	317101
3.995		104364	75816
4.029		468596	360733
4.059		24034	13111
4.084		783208	582491
4.115		445846	307984
4.142		1223696	886066
4.18		21469	20575
4.233		509955	460130
4.269		113907	80852
4.301		694313	544086
4.339		113335	74272
4.367		96074	61682
4.389		49680	31337
4.461		126264	136466
4.512		662143	550710
4.561		214049	172106
4.59		183746	159247
4.622		19928	26221
4.658		12732	8297
4.715		1422	706
4.754		5129	3262
4.774		4996	3637
4.805		35951	25035
4.827		61166	44142
4.874		27053	30690
4.912		8643	5755
4.945		128995	107874
4.974		15164	9770
4.998		58897	50690
5.067		245942	210880
5.187		2049	1241
5.212		29042	24124
5.259		50061	58274
5.411		214960	190499
5.48		251439	229190
5.529		86195	73968
5.64		22490	19992
5.792		2053	2053
5.839		132398	118351
5.997	DCB	10211870	9198578
6.336		1463	2043
6.452		8395	7723
6.622		1578	2150
7.227		987	2662
7.592		955	974
8.017		1479	1934
8.421		1251	3162
8.534		952	595

AR4831624B AAAR483AA ICAL 1628299999 10736 SW-846 8082

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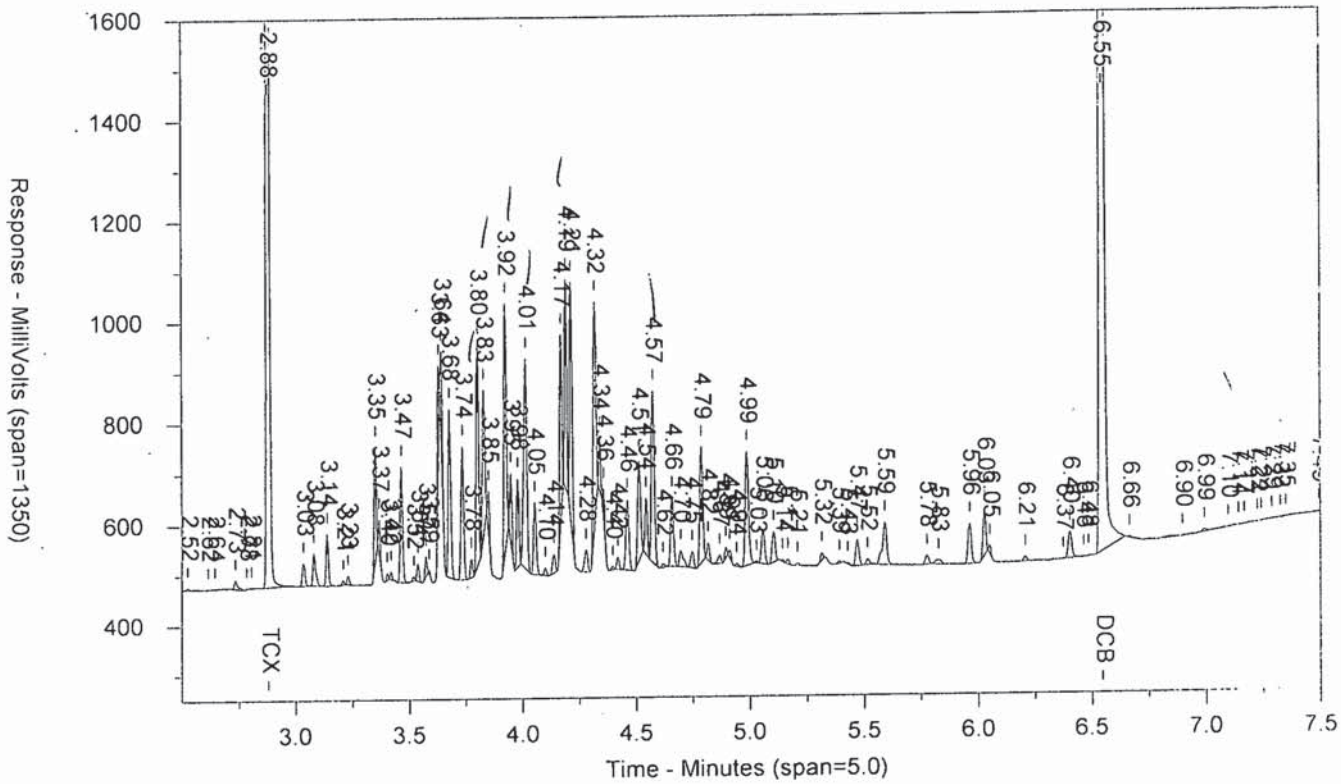

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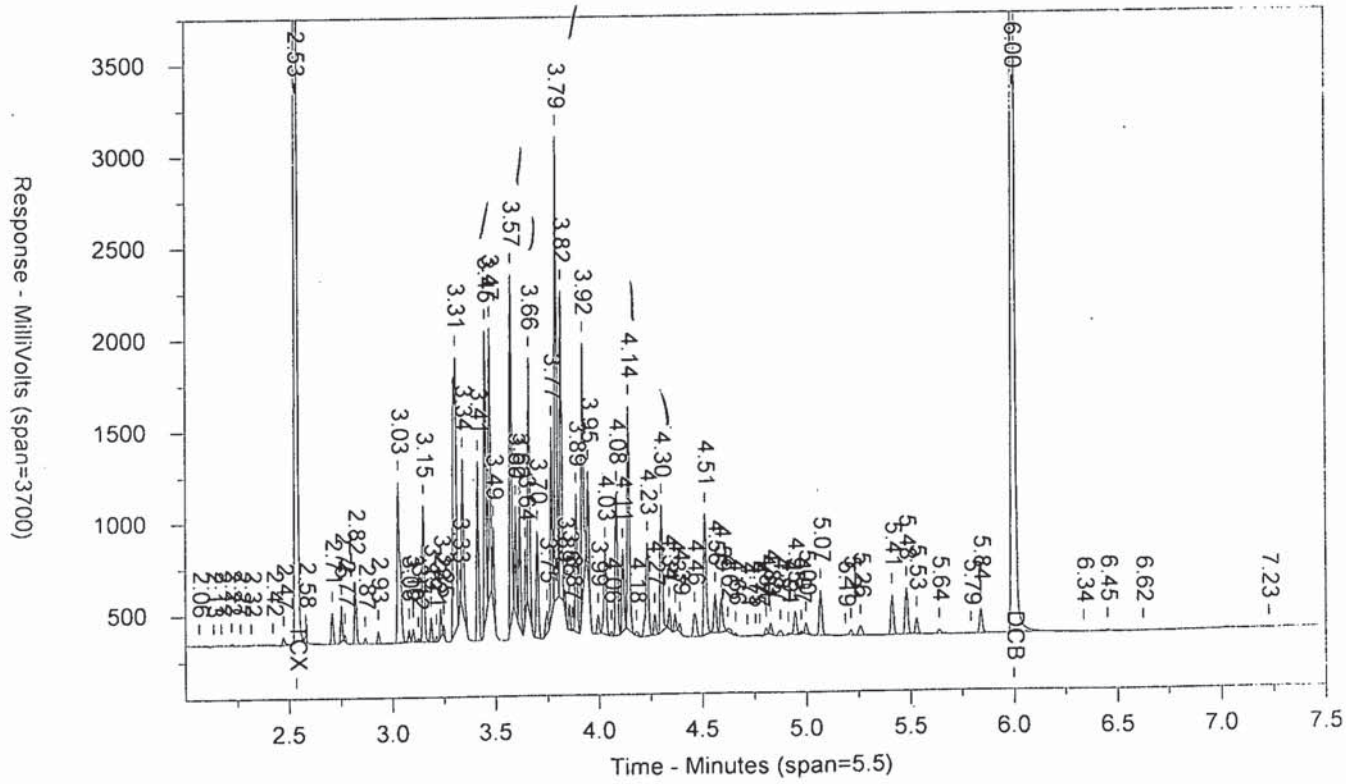

LANCASTER LABORATORIES

Sample Number: AR4831624B AAAR483AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 3:59:36 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.881	5330632	40.584	TCX	2.534	16275070	39.499	TCX
6.546	4833977	38.465	DCB	5.997	10211870	38.028	DCB

Files:
Area File: 07PCBS16283001.0014.RAW
Area File: 07PCBS16283001B.0014.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 4:08:17 PM
File Reported On: 10/9/2016 at 4:08:25 PM

AR4831624B AAAR483AA ICAL 1628299999 10736 SW-846 8082

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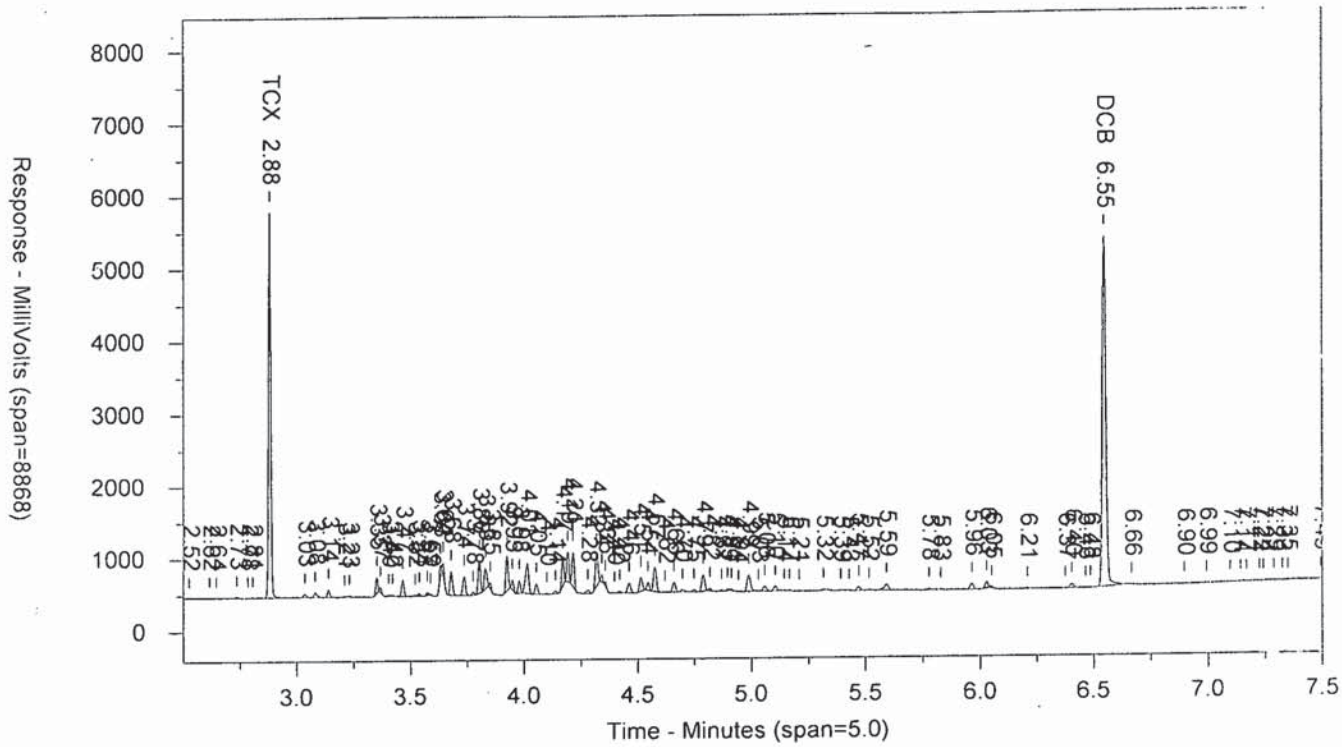

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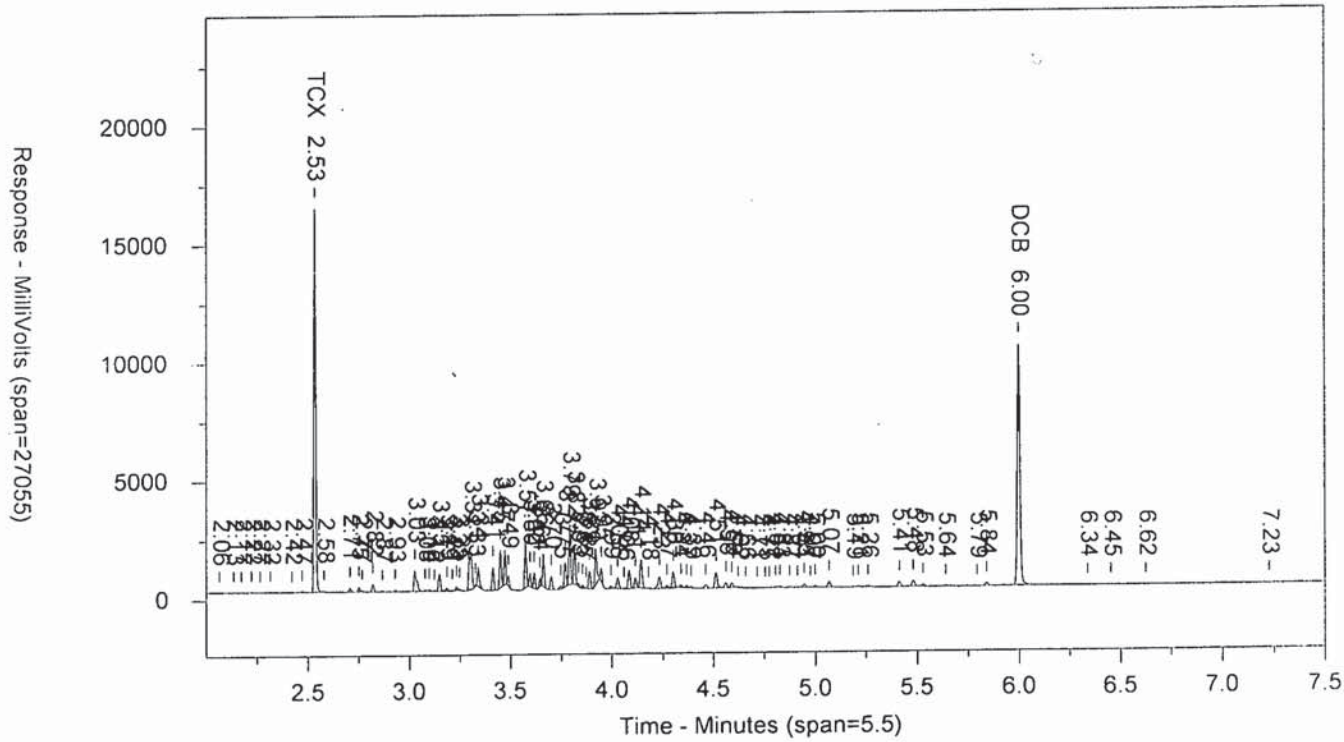

LANCASTER LABORATORIES

Sample Number: AR4841624B AAAR484AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:11:06 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0015.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.529		7186	7193
1.612		1077	1063
1.765		935	896
1.946		5795	7522
1.98		1545	3353
2.058		14530	34547
2.177		38597	34605
2.27		15416	11403
2.288		14756	11596
2.39		3524	4716
2.525		9132	9159
2.735		38082	36892
2.802		4299	7514
2.881	TCX	8504259	5584604
2.985		2229	1094
3.035		107606	91765
3.081		98106	93267
3.138		241045	171719
3.21		14430	8114
3.231		44972	30510
3.324		1135	775
3.351		541714	327881
3.367		159873	82995
3.404		33648	18422
3.42		38211	19162
3.436		7779	3536
3.466		540282	406589
3.5		1802	885
3.519		16106	9420
3.538		86861	57353
3.575		93232	54706
3.589		25106	12116
3.633		416662	219422
3.643		450295	230372
3.679		804417	622096
3.736		634784	522489
3.776		89974	65269
3.803		1080709	794694
3.831		735819	582026
3.851		183811	97227
3.926		1254921	910971
3.95		334129	210737
3.979		423735	309007
4.015		1014987	995443
4.054		336118	284517
4.099		38412	26904
4.138		87888	78976
4.172		889037	610522
4.192		1118932	717636
4.215		1233562	889959
4.282		108295	105524
4.321		1158240	964670
4.342		265290	142068

RT A	Compound A	Height A	Area A
4.358		124494	68359
4.399		15633	9399
4.421		59064	44774
4.463		322777	309517
4.515		497357	434114
4.546		262687	198451
4.576		861686	760051
4.621		19061	19337
4.66		332238	302795
4.698		72731	93064
4.748		85743	76409
4.79		566038	529896
4.819		52770	37328
4.869		44322	49459
4.897		44306	32518
4.913		32131	22566
4.946		10987	9477
4.989		593444	581403
5.031		12196	7886
5.059		99748	104791
5.106		147357	142792
5.129		6994	3051
5.145		9968	5089
5.167		21418	16093
5.211		12260	13524
5.253		2432	2285
5.317		61123	104380
5.391		11739	8994
5.409		2735	1696
5.43		6463	4906
5.471		77542	79633
5.516		30657	27888
5.541		3899	2314
5.574		21537	15026
5.593		93235	79570
5.779		43058	48876
5.83		19823	34661
5.963		120770	122017
6.029		122189	107328
6.05		23361	15674
6.134		1279	618
6.206		23685	24977
6.248		1958	1904
6.335		1590	1732
6.376		1218	870
6.403		83840	90104
6.506		1276	1223
6.547	DCB	7730801	7945186
6.656		3738	4146
6.722		1768	891
6.819		1165	1218
6.943		1381	1455
6.995		6752	8203
7.073		1328	1475
7.15		1736	1809
7.197		655	841
7.298		1894	4374
7.328		1467	1360
7.444		1234	3813
7.477		1547	1548
7.539		1265	2508
7.556		1115	550
7.649		1999	1145
7.691		1414	1098
7.739		1282	1762
7.821		957	811

RT A	Compound A	Height A	Area A
7.891		1613	1427
7.908		1931	2121
8.003		943	368
8.076		1347	545
8.113		2069	2531
8.191		1851	3236
8.218		1750	818
8.27		2612	3729
8.322		1324	837
8.427		2195	3466
8.489		1528	1159
8.513		1915	980
8.586		8524	20645

LANCASTER LABORATORIES

Sample Number: AR4841624B AAAR484AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:11:06 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0015.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.509		1671	1196
1.647		4731	9724
1.73		8575	25617
1.79		8808	22790
1.824		7511	13565
1.849		140047	111511
1.928		25436	65510
1.975		47274	46458
2.031		1718	1529
2.067		3232	2063
2.103		3679	2023
2.132		2853	3983
2.157		2188	2982
2.223		23834	17506
2.286		1911	1858
2.334		4193	5563
2.42		3920	3631
2.443		2512	1197
2.471		89543	73384
2.534	TCX	24990710	15275360
2.579		62752	45146
2.707		386648	254815
2.752		272028	144122
2.768		87918	43848
2.819		771721	487911
2.867		48689	28806
2.93		155363	98839
2.969		733	422
3.027		2003448	1864034
3.078		157417	90507
3.099		166557	97436
3.124		47121	25327
3.148		1783241	1181050
3.186		285607	175859
3.212		49989	25339
3.232		339965	184508
3.247		123893	56842
3.273		1948	906
3.297		1164273	602239
3.306		1566077	617046
3.327		184692	78507
3.34		1966951	1327185
3.413		2366636	1529346
3.449		3924628	2447688
3.472		3692854	2013338
3.489		1039048	510852
3.574		4653767	2897946
3.596		1416274	755071
3.617		1588426	951244
3.645		832405	430922
3.662		3480869	2069874
3.7		1383005	940629
3.748		260937	217833
3.769		2640719	1596843

3.792		6677411	4149651
3.816		4431828	2691929
3.835		248245	108401
3.855		327026	186688
3.872		31195	10617
3.89		1832327	1215553
3.921		3603599	2533600
3.948		1696626	917432
3.995		238948	167799
4.029		1082053	858008
4.059		37858	20920
4.085		1989770	1437142
4.116		1074133	734513
4.143		3078872	2192347
4.181		60107	55940
4.233		1262078	1119885
4.269		281031	202497
4.301		1807794	1328704
4.324		15230	5415
4.339		151794	93034
4.367		218079	143368
4.389		117263	74734
4.461		283114	321526
4.512		1812426	1436418
4.561		311714	278175
4.591		435243	393414
4.623		51795	66077
4.66		32684	21963
4.715		3022	2952
4.734		3019	1924
4.756		11216	6750
4.774		13075	8282
4.806		79674	56871
4.828		145886	112546
4.875		57545	60397
4.913		19742	13235
4.946		197933	166052
4.975		51107	32741
4.998		147062	127540
5.068		379099	320966
5.189		3155	2329
5.212		70600	57668
5.258		124307	138087
5.411		306807	282964
5.481		375948	344960
5.529		137978	120249
5.639		58282	50858
5.791		3306	3503
5.84		205340	176038
5.867		3065	2038
5.895		2225	1612
5.998	DCB	15100670	14008610
6.331		2224	3310
6.451		12602	13467
6.626		1908	2001
6.68		1322	1223
6.723		1245	1697
7.074		672	165
8.24		1596	4302
8.373		702	479
8.443		1411	3422

AR4841624B AAAR484AA ICAL 1628299999 10736 SW-846 8082

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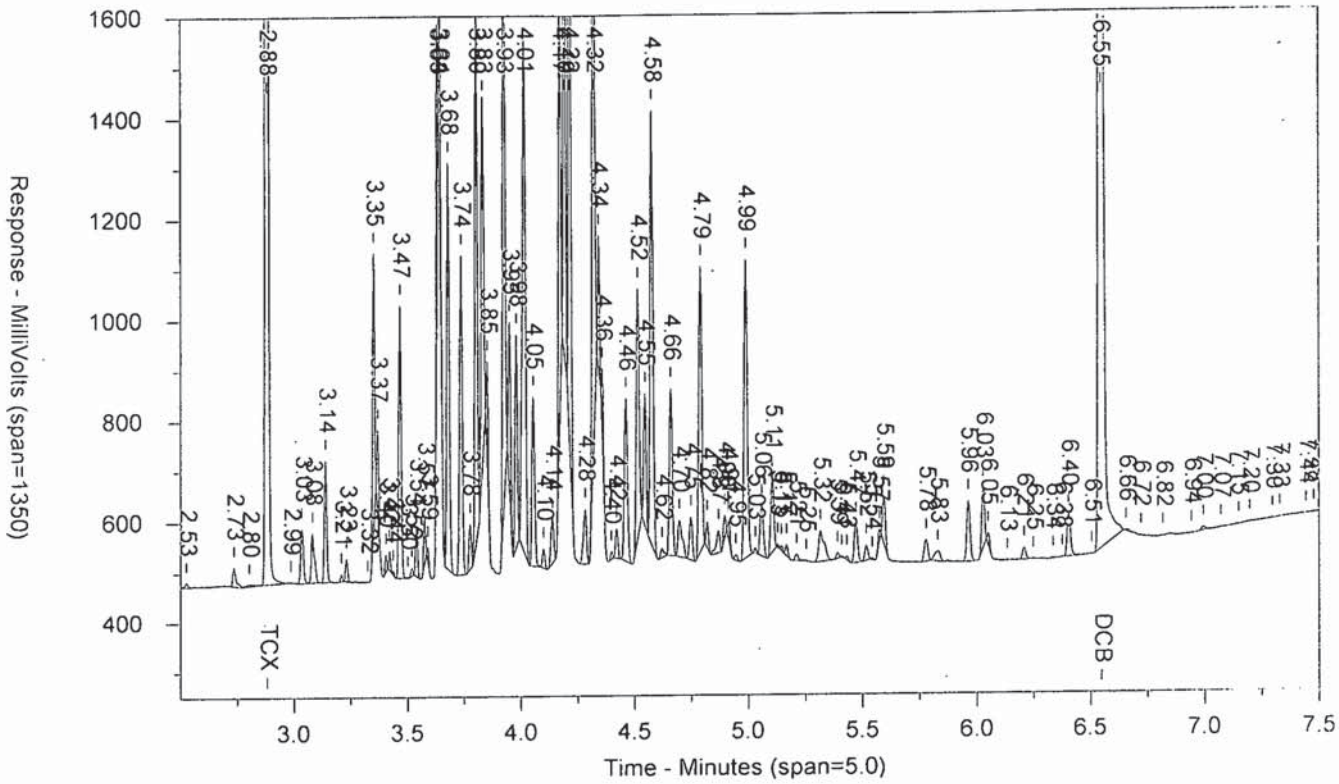

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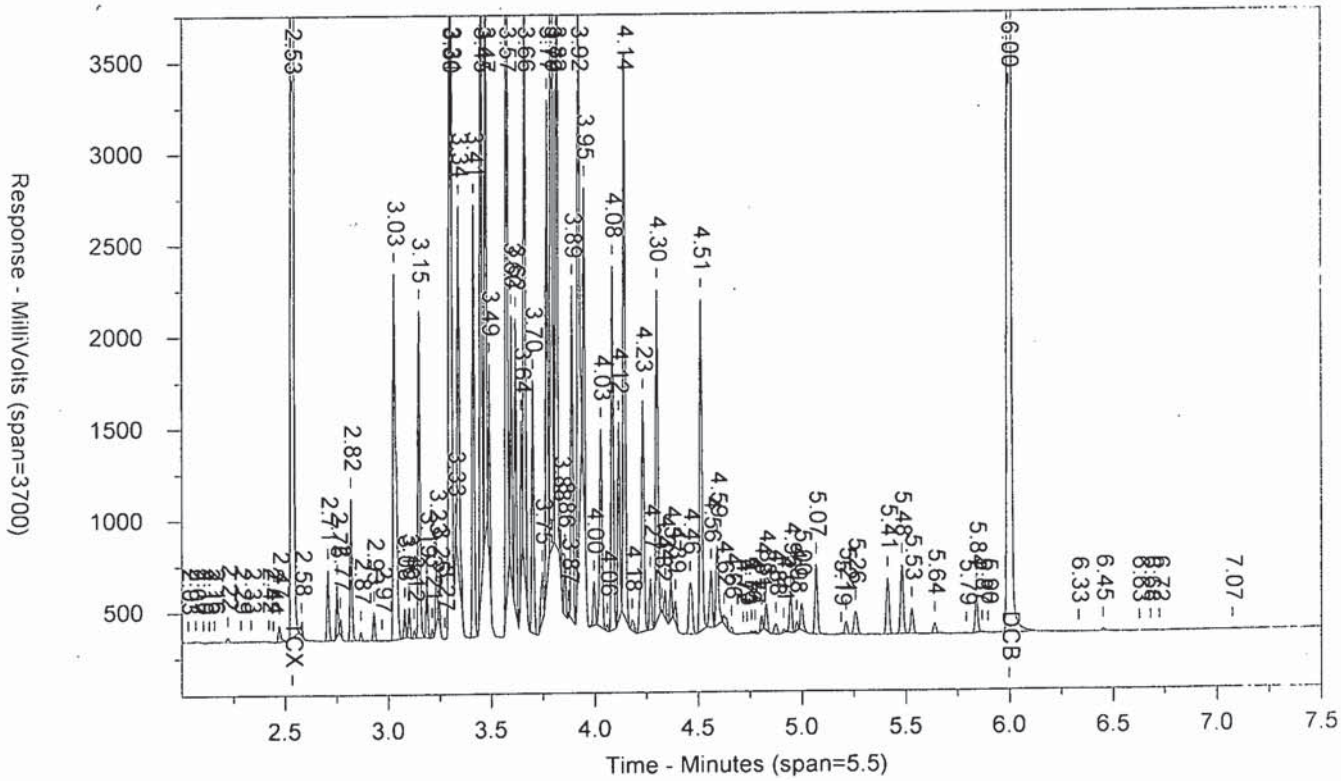

LANCASTER LABORATORIES

Sample Number: AR4841624B AAAR484AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:11:06 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.881	8504259	64.746	TCX	2.534	24990710	60.652	TCX
6.547	7730801	61.516	DCB	5.998	15100670	56.233	DCB

Files:
Area File: 07PCBS16283001.0015.RAW
Area File: 07PCBS16283001B.0015.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 4:19:49 PM
File Reported On: 10/9/2016 at 4:20:01 PM

AR4841624B AAAR484AA ICAL 1628299999 10736 SW-846 8082

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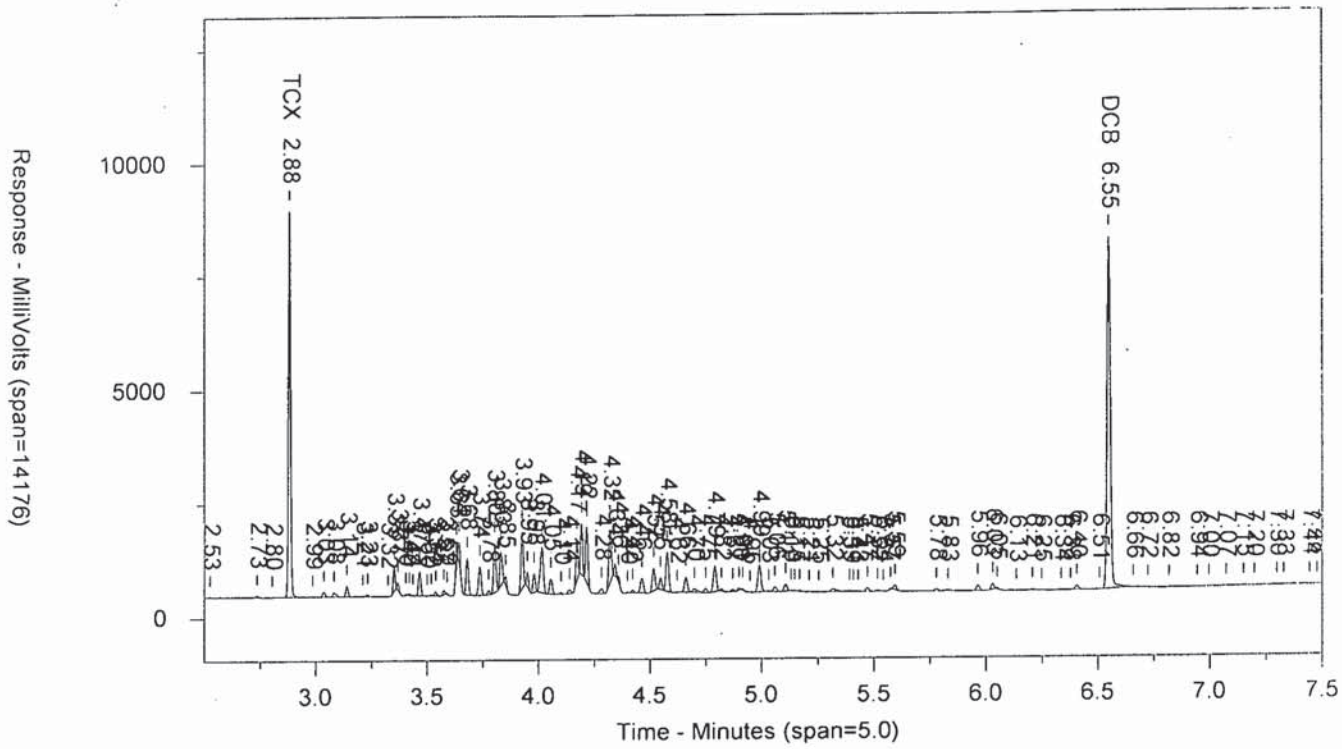

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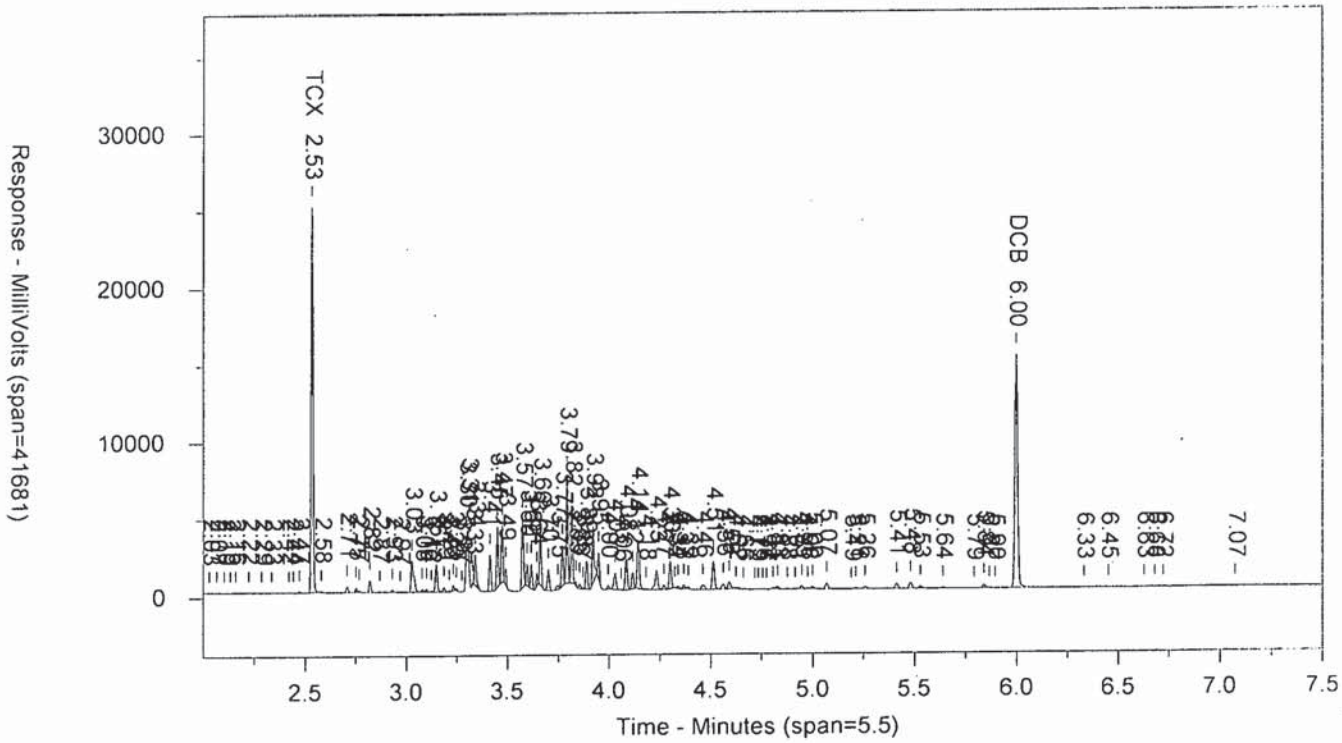

LANCASTER LABORATORIES

Sample Number: AR4851624B AAAR485AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:22:36 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0016.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.512		1328	472
1.529		6442	6255
1.689		1880	2432
1.802		977	920
1.886		2147	3227
1.918		2001	982
1.946		3179	4214
2.061		8786	23387
2.177		47296	41049
2.27		13661	10005
2.288		19705	15639
2.384		4222	4236
2.433		1562	1067
2.478		714	313
2.525		16249	16086
2.649		1238	1117
2.734		17445	17387
2.783		1799	885
2.803		4460	5110
2.88	TCX	10740980	7258198
3.035		202447	168307
3.081		123490	134565
3.138		453511	321657
3.209		16991	9844
3.231		81660	57510
3.269		2867	2225
3.351		1008184	618371
3.367		300024	149741
3.404		60305	34030
3.42		64276	34078
3.436		16274	7313
3.465		1051435	774512
3.499		1871	982
3.517		21360	12448
3.538		165644	108748
3.574		176304	101737
3.588		50295	23004
3.632		798053	413859
3.642		961551	450575
3.679		1609553	1199974
3.735		1242446	1004060
3.775		172744	124469
3.803		2127791	1522110
3.83		1395667	1128960
3.851		395833	206118
3.925		2481207	1787068
3.948		602259	394521
3.979		809517	584533
4.014		2049540	1942868
4.053		632720	529173
4.099		72379	51627
4.138		165554	144894
4.171		1796235	1216385

RT A	Compound A	Height A	Area A
4.192		2352568	1455271
4.214		2456105	1771845
4.281		203029	198024
4.32		2288291	1895121
4.342		587059	302519
4.357		252001	130311
4.398		31152	20285
4.421		110430	85897
4.462		616857	579385
4.515		950452	821817
4.546		485140	378702
4.575		1699933	1472532
4.62		37027	35903
4.659		614164	569109
4.697		140052	170813
4.748		150303	140080
4.788		1075943	1021612
4.817		60240	43283
4.845		8093	5223
4.869		77654	66061
4.895		91681	62605
4.913		61586	43221
4.943		17633	15440
4.988		1146158	1137040
5.03		24412	17064
5.058		138266	140365
5.105		285249	265341
5.128		10689	4554
5.145		12676	7454
5.166		38247	30590
5.211		24663	24024
5.317		68359	59142
5.333		16792	10471
5.392		19075	16953
5.411		3251	1624
5.431		10172	8149
5.471		98838	95706
5.516		55359	49461
5.541		7070	4445
5.572		47758	37139
5.591		106800	85846
5.778		77391	89665
5.831		38039	62847
5.963		143882	149970
6.002		2125	1130
6.028		151323	131365
6.05		31701	22955
6.207		46090	46163
6.25		3280	2271
6.274		1373	1870
6.334		2188	2067
6.404		111986	121899
6.482		2819	5103
6.548	DCB	9824873	10218850
6.818		1151	1362
6.842		2033	1791
6.937		1577	1902
6.997		9372	11658
7.095		922	3342
7.157		1474	3160
7.228		1011	6726
7.284		1304	382
7.329		1205	798
7.448		1304	4280
7.501		1114	3000
7.556		1246	3224

RT A	Compound A	Height A	Area A
7.592		1387	463
7.622		1271	464
7.742		1719	820
7.822		1818	3599
7.885		1011	570
7.964		1688	2021
7.985		1347	914
8.046		1255	1515
8.066		1424	359
8.095		1263	528
8.112		1495	488
8.144		1552	681
8.186		2058	886
8.265		1973	1757
8.43		2392	3764
8.477		1626	698
8.514		1648	1144
8.562		1699	1253
8.592		5314	7260

LANCASTER LABORATORIES

Sample Number: AR4851624B AAAR485AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:22:36 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0016.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.507		1534	790
1.652		4930	10262
1.671		2813	1130
1.725		8239	25089
1.779		7691	15093
1.792		8536	7359
1.814		7568	11438
1.849		160324	139944
1.928		15111	41041
1.975		57812	50661
2.066		5513	6374
2.128		2638	2379
2.164		2425	2780
2.194		1964	933
2.222		43055	32047
2.287		1756	1302
2.332		4292	2904
2.419		4765	3883
2.445		1680	982
2.471		37424	23873
2.492		5366	2619
2.534	TCX	33331810	19867950
2.578		123541	92115
2.707		706028	474499
2.751		330553	174521
2.767		175945	92407
2.819		1392278	907672
2.867		64618	36701
2.93		277625	181151
3.027		3781727	3485243
3.078		288037	168254
3.099		308753	181312
3.124		92619	49213
3.148		3203759	2206756
3.185		546249	327499
3.212		62933	30215
3.232		664391	351965
3.247		238719	108556
3.271		3423	1316
3.296		2368731	1168018
3.305		3105102	1229853
3.326		399539	159734
3.339		3906597	2569439
3.412		4576062	2930299
3.448		7672137	4656138
3.471		7164917	3880560
3.489		1982189	969315
3.573		9222997	5718432
3.595		2793558	1460038
3.616		3129642	1828165
3.644		1656805	833351
3.661		6762731	4018653
3.7		2547412	1766603
3.747		475496	404952

3.769		5064690	3133929
3.791		13360220	8114792
3.815		8732486	5342953
3.834		525917	237685
3.855		608283	343061
3.872		50391	16813
3.889		3557533	2293397
3.921		7030555	4918551
3.947		3414098	1871264
3.979		9051	3388
3.995		441327	295522
4.028		2151428	1599671
4.058		47756	25980
4.084		3798634	2771869
4.115		2077230	1406536
4.143		6031749	4258106
4.181		111405	103974
4.233		2388067	2113879
4.269		539089	377691
4.3		3593372	2589809
4.323		30721	11829
4.339		160226	94928
4.366		404040	262911
4.388		223538	141596
4.461		530375	589561
4.512		3633134	2843816
4.56		413434	385239
4.59		851299	749478
4.622		90152	115205
4.658		66058	45525
4.715		5764	6133
4.731		7537	4392
4.756		22729	13373
4.774		27912	17856
4.805		145346	102807
4.827		276886	207919
4.876		95872	100541
4.912		35373	25115
4.946		252607	208739
4.974		90898	63839
4.997		269295	238665
5.068		459511	401379
5.189		5964	3820
5.212		125995	108461
5.258		230041	254523
5.411		391425	363612
5.48		475327	427034
5.53		180878	164479
5.639		112589	97363
5.672		4188	3088
5.792		3975	3608
5.839		258247	237278
5.869		3717	2036
5.891		3180	1821
5.997	DCB	20517570	18061840
6.198		1339	1989
6.334		2305	2409
6.451		16000	14898
6.625		2321	2604
6.688		989	569
6.801		1340	2686
7.313		580	232
7.416		964	1817
7.951		910	592
8.021		1271	1422
8.245		2418	8102
8.364		1020	1135

AR4851624B AAAR485AA ICAL 1628299999 10736 SW-846 8082

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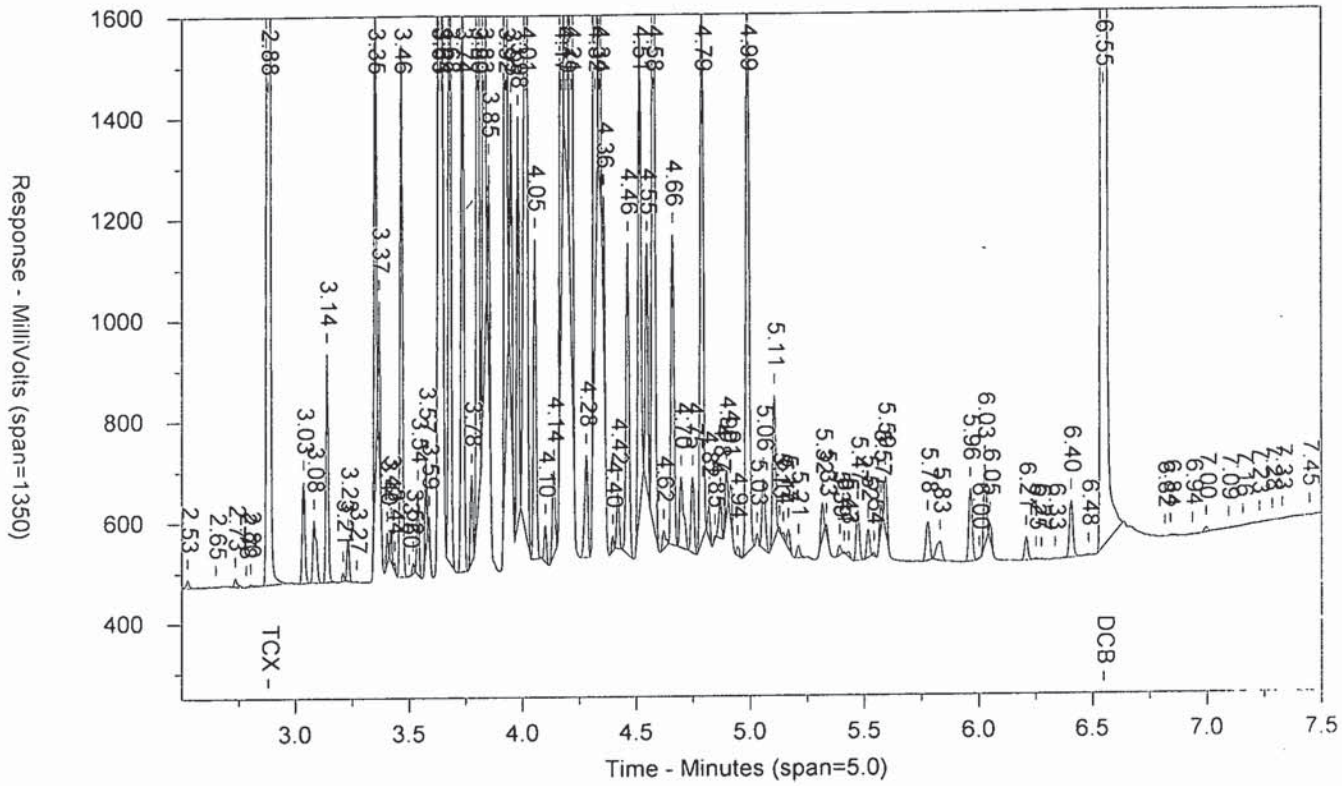

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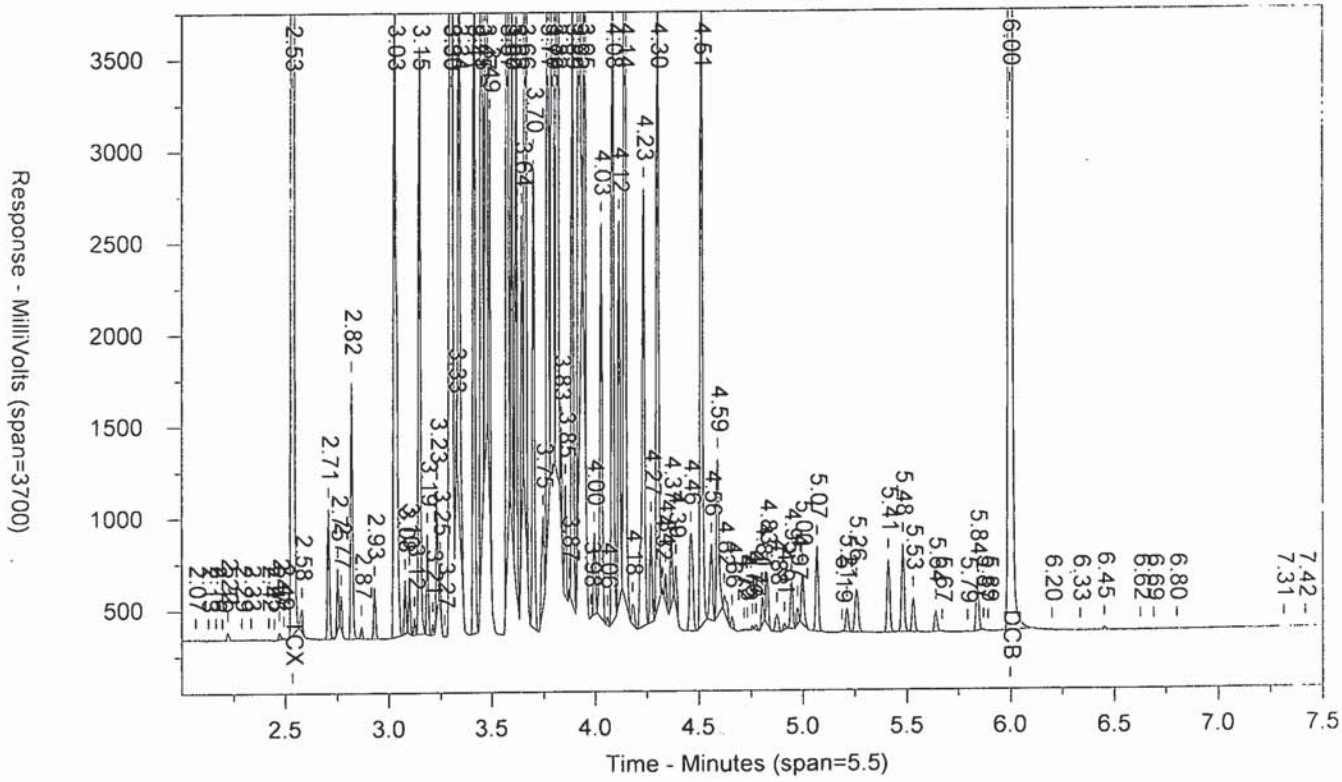

LANCASTER LABORATORIES

Sample Number: AR4851624B AAAR485AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:22:36 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	10740980	81.775	TCX	2.534	33331810	80.896	TCX
6.548	9824873	78.18	DCB	5.997	20517570	76.404	DCB

Files:
Area File: 07PCBS16283001.0016.RAW
Area File: 07PCBS16283001B.0016.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 4:31:19 PM
File Reported On: 10/9/2016 at 4:31:27 PM

AR4851624B AAAR485AA ICAL 1628299999 10736 SW-846 8082

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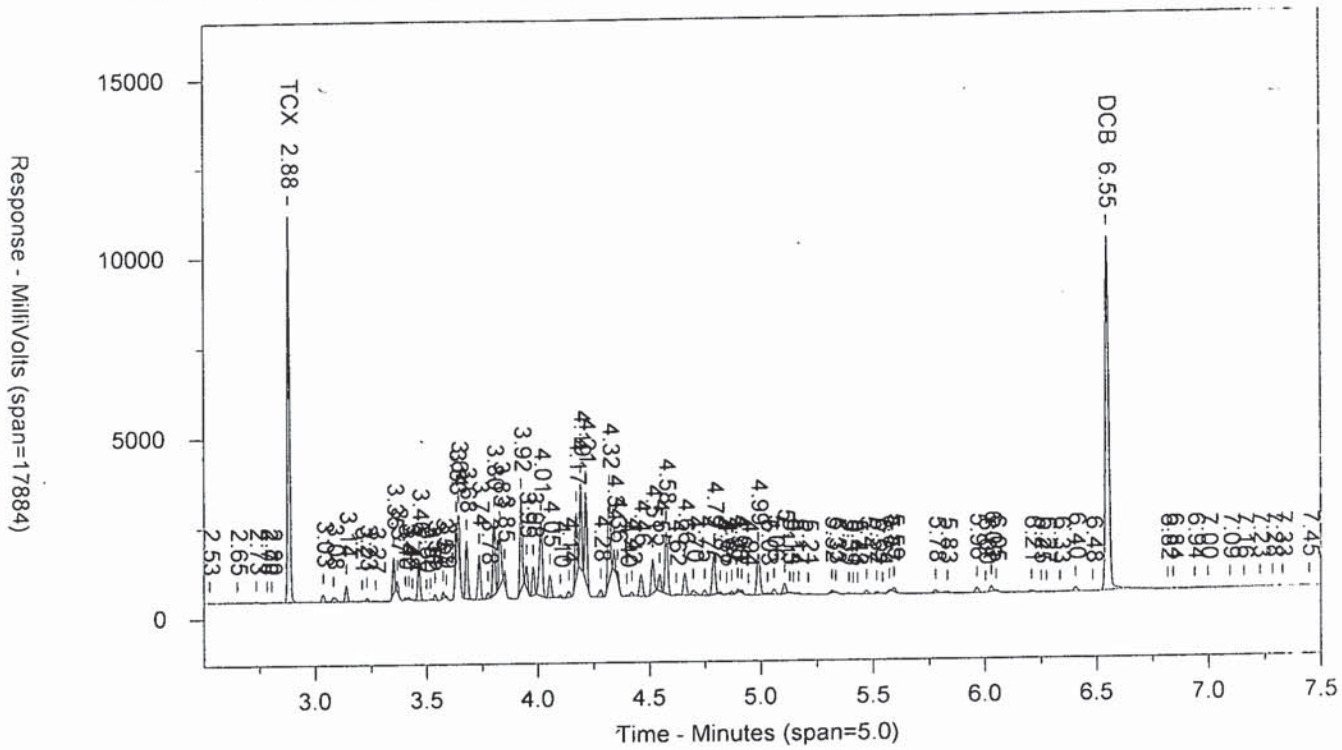

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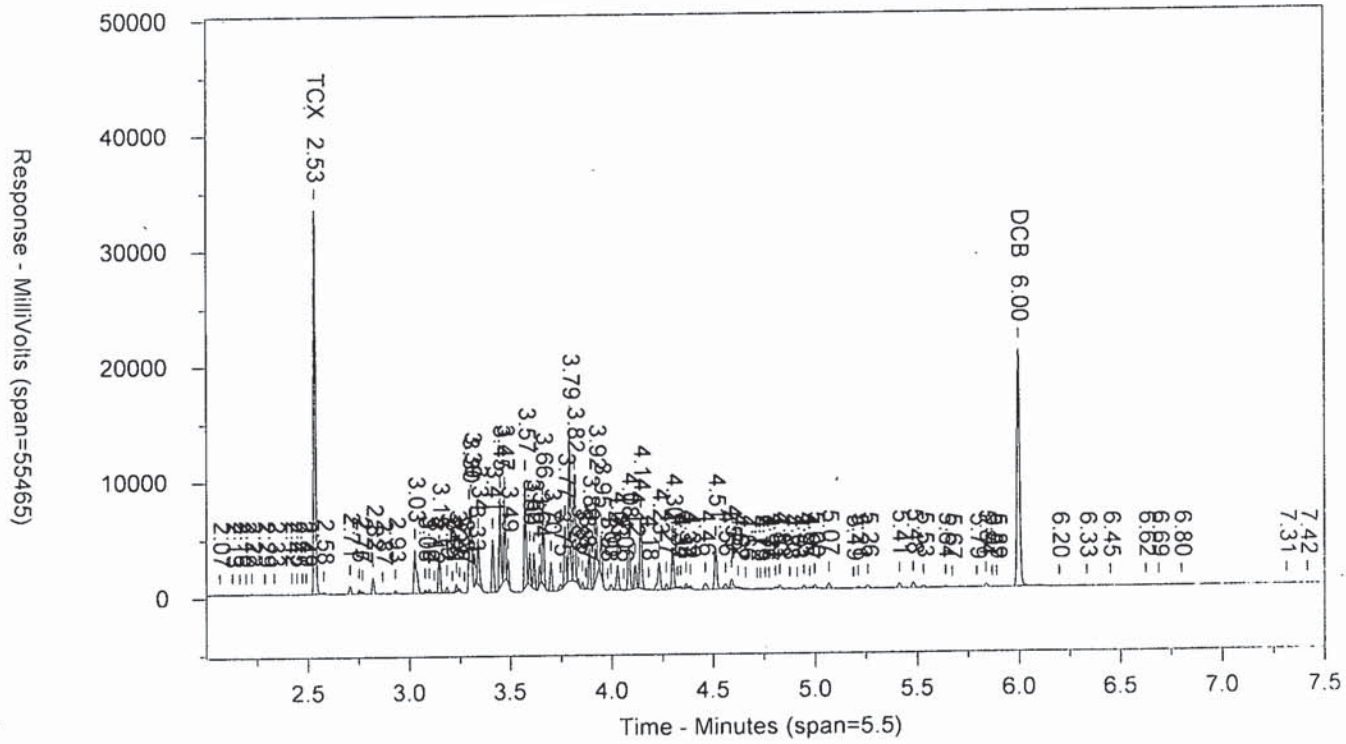

LANCASTER LABORATORIES

Sample Number: AR5411624B AAAR541AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:34:03 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.53		5035	7473
1.605		2051	1661
1.737		1350	803
1.949		2028	2714
2.057		5953	12347
2.101		2783	5303
2.177		3072	3672
2.269		6748	5997
2.397		837	949
2.447		1247	633
2.711		1284	2088
2.783		2030	1217
2.805		2849	2611
2.88	TCX	502850	348318
3.037		3008	3759
3.081		6951	5338
3.141		3778	4102
3.21		1955	1553
3.282		2360	1954
3.351		12308	14179
3.421		5457	4807
3.465		7491	5822
3.518		1852	1971
3.539		11263	7436
3.574		2252	1456
3.613		1298	499
3.645		5838	9048
3.679		26506	21128
3.732		8173	6551
3.802		101032	77710
3.832		34907	36582
3.925		62710	49117
3.979		10038	7004
4.013		29032	34719
4.054		6632	5611
4.1		2003	1413
4.133		5178	3276
4.171		145350	105277
4.191		54480	33705
4.216		42189	31246
4.281		41099	34708
4.323		226659	230985
4.358		79823	65619
4.399		2219	1616
4.421		12793	9423
4.462		86103	80536
4.514		142192	135332
4.545		36845	23818
4.575		299962	268294
4.621		13841	10464
4.659		48227	39167
4.697		104069	105827
4.747		19800	17051

RT A	Compound A	Height A	Area A
4.789		208590	200154
4.816		5759	3375
4.844		20318	16585
4.868		3981	2004
4.895		79347	59740
4.912		33523	22109
4.943		3234	2044
4.988		159589	160826
5.031		19103	14613
5.058		25221	32529
5.105		219880	207109
5.143		6574	4194
5.165		4410	3103
5.208		8161	7827
5.315		81813	106426
5.375		12521	24141
5.429		7686	7013
5.47		7699	7611
5.516		43496	39849
5.542		4160	2366
5.573		34940	43796
5.78		30771	30292
5.813		5029	4155
5.963		9979	12184
6.026		13362	10761
6.051		2078	1372
6.162		2035	19042
6.206		2458	2019
6.244		1230	612
6.292		1353	2383
6.323		1029	542
6.405		5967	6663
6.445		2035	1820
6.547	DCB	524162	551727
6.751		1152	840
6.786		1123	926
6.848		2415	5667
6.902		1199	1736
6.94		1654	1733
7.081		1717	9319
7.15		1293	3368
7.235		1220	5464
7.281		1183	598
7.421		552	6937
7.468		1176	576
7.543		1514	1889
7.586		1995	2636
7.685		1511	3651
7.735		1146	1235
7.815		1732	1595
7.841		1461	771
7.917		1660	1070
8.037		1856	1198
8.123		1411	3459
8.178		1461	2588
8.282		1960	3424
8.343		1932	1213
8.425		2941	6116
8.538		1676	954
8.584		7347	14105

LANCASTER LABORATORIES

Sample Number: AR5411624B AAAR541AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:34:03 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.508		4257	2483
1.575		1965	2575
1.609		2690	3512
1.675		2264	1528
1.728		3159	6974
1.792		5901	18797
1.848		27776	23111
1.926		10721	26905
1.975		6341	10750
2.079		1280	1684
2.131		1198	1467
2.157		2183	2738
2.221		1907	2315
2.291		1240	2263
2.4		798	383
2.445		1939	1001
2.471		5765	5901
2.534	TCX	1599215	962809
2.579		2320	1347
2.707		11000	7815
2.752		20901	11997
2.82		14533	10044
2.867		3471	2032
2.93		3285	2698
3.028		35488	35191
3.078		1468	762
3.099		16528	10697
3.15		26887	16733
3.186		38536	22841
3.213		2776	1509
3.232		4374	2206
3.251		4292	2842
3.279		1961	963
3.297		21366	21390
3.341		70798	67127
3.377		2516	1630
3.414		34950	22987
3.449		375057	235173
3.472		179954	107917
3.506		7208	4544
3.573		235108	149167
3.596		18516	9490
3.617		40113	24955
3.645		67737	34453
3.661		78041	42303
3.7		32874	24056
3.743		27111	24340
3.769		77277	43850
3.791		835669	553792
3.816		79481	42041
3.835		84377	46074
3.855		154862	92880
3.889		734635	501397
3.919		266206	151418

3.934		158876	79853
3.995		57903	44725
4.029		293109	229508
4.084		587483	423193
4.116		163018	123141
4.143		988679	753816
4.18		74809	69025
4.232		509012	421549
4.269		65229	48133
4.301		554299	418093
4.324		70900	43888
4.367		394935	320731
4.46		327935	361278
4.513		389625	334053
4.553		115161	107515
4.59		708435	680509
4.635		53904	35337
4.659		22656	15246
4.715		4563	2883
4.741		26138	25490
4.774		25310	19673
4.805		31360	19892
4.827		208629	168811
4.877		27864	23494
4.912		23686	18025
4.945		24740	19768
4.975		83411	61926
4.997		74196	65604
5.068		28297	26406
5.211		2447	1501
5.253		89842	81108
5.309		3906	12942
5.359		1238	2256
5.411		24721	23318
5.459		1824	871
5.48		29684	24565
5.528		10669	9840
5.637		3800	3573
5.839		12122	10686
5.934		1144	747
5.997	DCB	1073882	1018156
6.175		1200	1908
6.229		868	728
6.427		712	2378
6.451		1208	1138
6.645		843	1176
7.142		892	4077
7.544		753	1866
7.71		563	727
7.774		842	1279
7.827		862	1106
7.975		683	386
8.234		1408	3644
8.433		1499	3100
8.491		802	330

AR5411624B AAAR541AA ICAL 1628299999 10736 SW-846 8082

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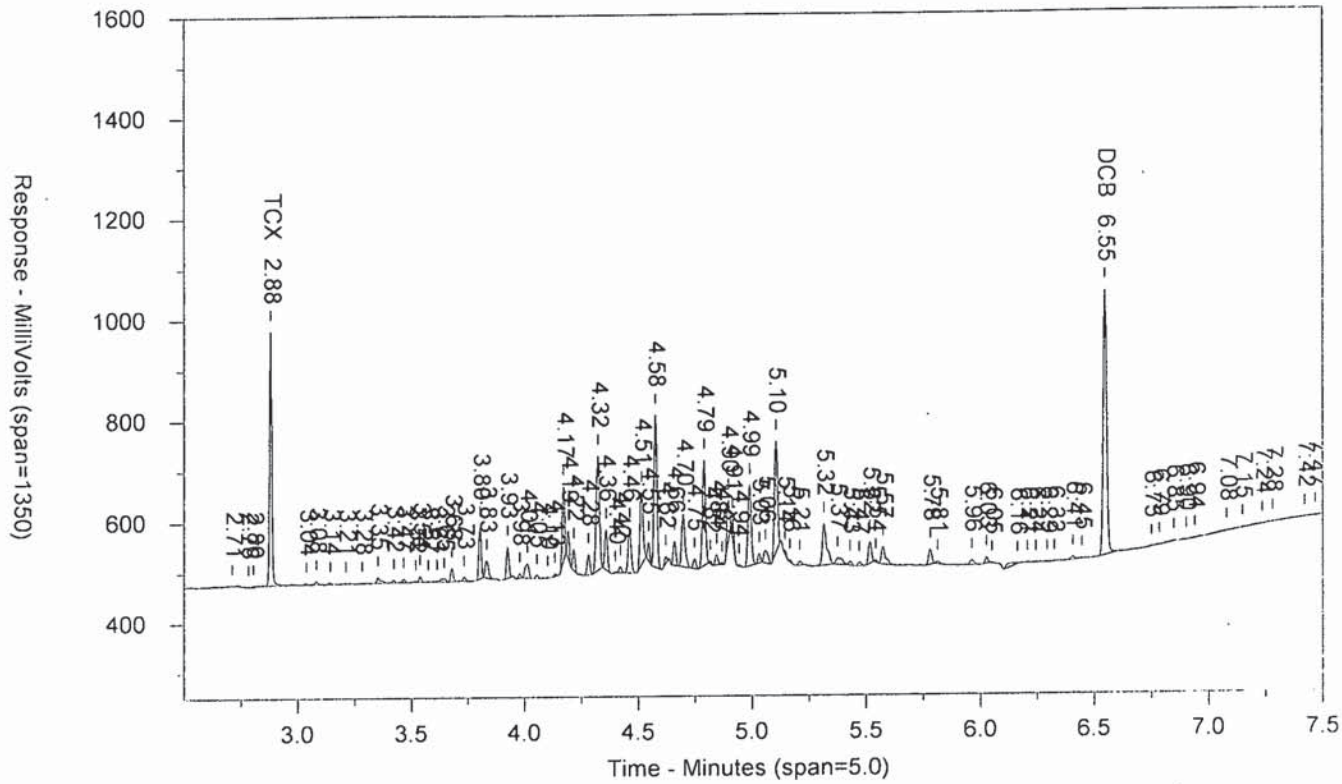

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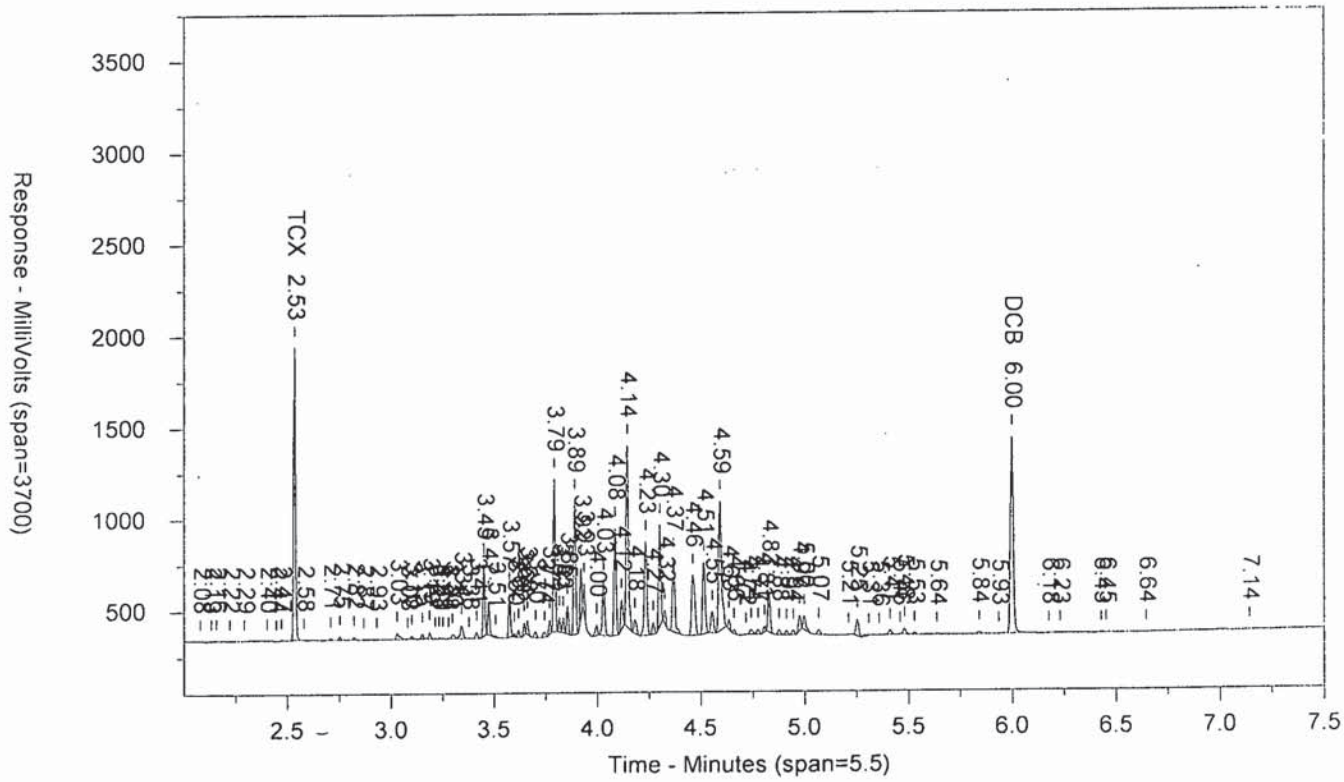

LANCASTER LABORATORIES

Sample Number: AR5411624B AAAR541AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:34:03 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	502850	3.828	TCX	2.534	1599215	3.881	TCX
6.547	524162	4.171	DCB	5.997	1073882	3.999	DCB

Files:
Area File: 07PCBS16283001.0017.RAW
Area File: 07PCBS16283001B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 4:42:45 PM
File Reported On: 10/9/2016 at 4:42:53 PM

AR5411624B AAAR541AA ICAL 1628299999 10736 SW-846 8082

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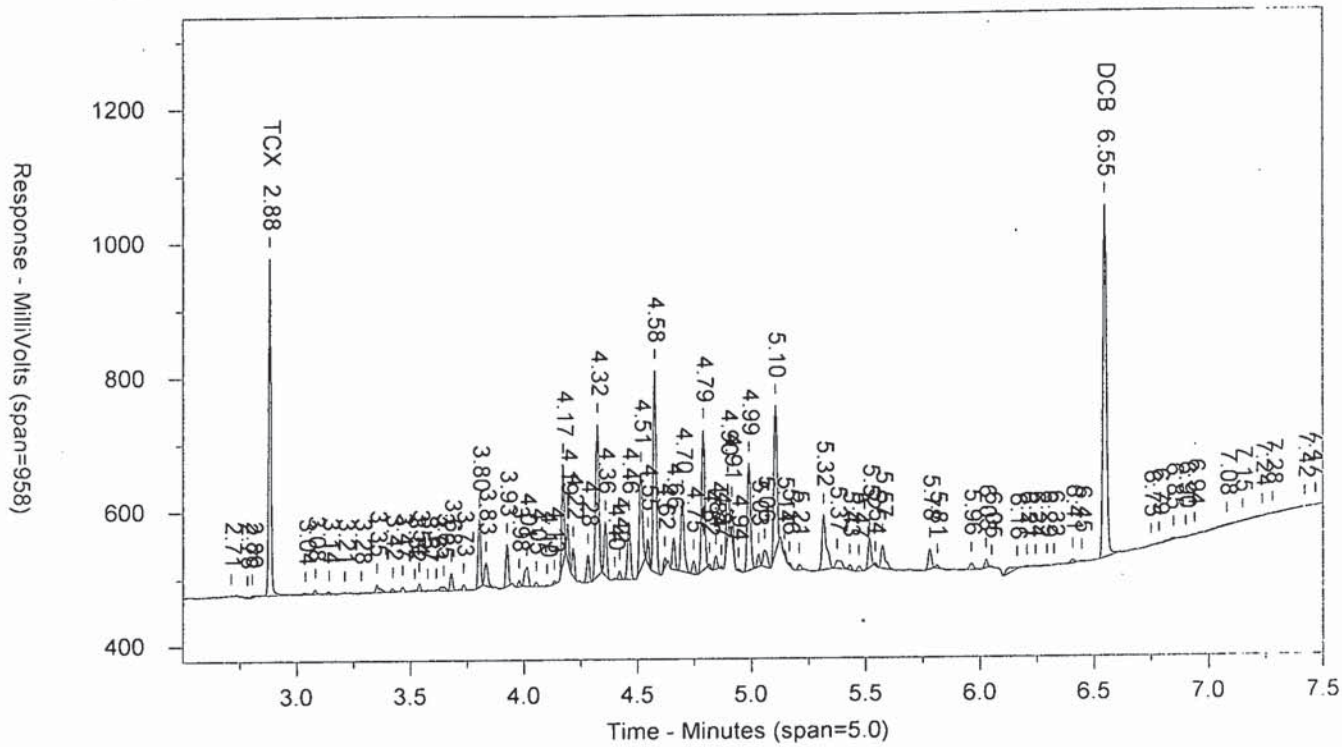

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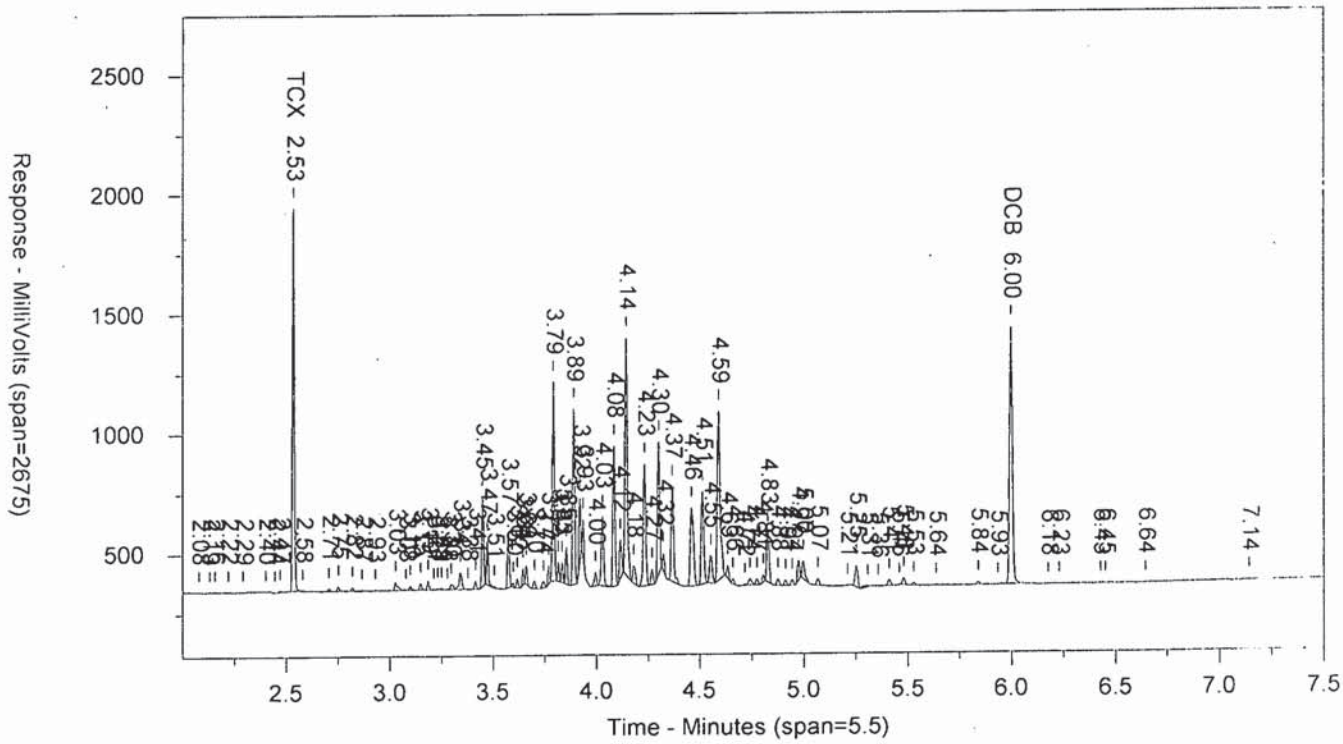

LANCASTER LABORATORIES

Sample Number: AR5421624C AAAR542AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:45:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.529		4224	5883
1.725		1618	1675
1.833		1291	733
1.973		4669	13036
2.06		10829	30921
2.177		6462	8973
2.269		8924	5476
2.39		1743	1716
2.45		1632	3041
2.716		1335	969
2.734		11931	11395
2.807		3077	2868
2.88	TCX	1018755	687317
3.035		5384	4352
3.08		14022	11024
3.139		8650	6728
3.206		3485	2813
3.351		19240	12161
3.368		4642	3890
3.419		10961	7477
3.445		1850	553
3.464		16299	12040
3.518		2840	2813
3.538		23210	15861
3.572		3507	4548
3.632		4564	2283
3.643		6097	5237
3.679		52398	40187
3.734		17714	15698
3.775		2455	1432
3.802		192994	144938
3.833		63507	72132
3.925		115875	91572
3.948		5877	2998
3.979		19736	13643
4.012		56551	69306
4.054		12612	11187
4.099		5108	3580
4.134		9555	7058
4.171		271791	198978
4.191		102816	62734
4.215		82218	60071
4.281		79079	67204
4.323		405798	429650
4.358		143816	121379
4.396		5762	3470
4.42		26811	20409
4.462		161584	151529
4.514		273384	256123
4.545		67206	44397
4.576		561421	505904
4.619		27936	18388
4.659		88797	73677

RT A	Compound A	Height A	Area A
4.696		195204	198153
4.747		37173	33210
4.788		394219	377544
4.815		10964	6806
4.844		38642	31487
4.867		6351	3324
4.895		137247	107329
4.912		61663	39471
4.943		4941	3668
4.988		310895	309353
5.03		34559	27799
5.058		47327	61834
5.105		402025	390734
5.127		17679	15976
5.166		9142	6112
5.209		18485	21935
5.315		149974	200177
5.389		19548	27619
5.429		15567	13902
5.47		14459	13782
5.516		79107	76334
5.542		9709	5936
5.571		65720	82829
5.692		3409	4069
5.78		60262	57651
5.811		9613	8913
5.963		17995	21271
6.027		23003	20000
6.051		4798	2881
6.166		3355	16104
6.207		3981	3799
6.366		597	2578
6.405		11477	12130
6.449		4906	5902
6.513		1763	2263
6.547	DCB	934390	1068927
6.783		1464	3351
6.885		1799	11025
6.945		1547	776
6.973		1571	659
7.075		1904	8505
7.101		1566	868
7.195		1624	3392
7.304		1932	3756
7.354		1440	1370
7.403		1436	2331
7.43		1423	1098
7.547		1034	2087
7.599		1542	677
7.716		1286	5080
7.781		1746	1495
7.855		1506	1061
7.907		1402	2478
7.958		812	436
8.02		987	931
8.05		1778	1982
8.088		1997	1614
8.224		1634	1571
8.249		1869	357
8.288		861	1696
8.333		1489	688
8.428		1554	1852
8.539		1483	432
8.584		8084	18629

LANCASTER LABORATORIES

Sample Number: AR5421624C AAAR542AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:45:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.508		3427	2142
1.574		1922	2487
1.608		1727	1931
1.679		2383	1690
1.727		1315	1604
1.769		3037	3300
1.792		6061	12692
1.848		39735	34685
1.93		15012	40940
1.975		9602	9741
2.004		3949	3431
2.128		1638	1310
2.161		2457	3360
2.221		3719	4031
2.332		2102	3746
2.418		5153	5974
2.446		2475	1324
2.471		30853	23504
2.534	TCX	3153653	1920212
2.579		4667	2762
2.707		21116	15764
2.751		39787	22232
2.82		29657	19298
2.867		6405	5432
2.931		6281	3858
3.028		73013	70699
3.079		3433	2159
3.099		34293	23607
3.15		57402	34157
3.186		78254	47375
3.212		6757	3587
3.233		9463	4908
3.249		6471	4080
3.297		36335	38169
3.327		9032	4038
3.341		129866	100197
3.375		3176	2359
3.413		71685	45176
3.449		699098	433103
3.472		334487	193656
3.489		13059	4922
3.506		14220	8537
3.573		445111	282124
3.596		35548	17238
3.617		84881	51636
3.644		136803	71967
3.661		143391	80150
3.699		66596	48092
3.742		54272	48166
3.769		141138	81339
3.791		1557939	1039465
3.816		148390	79496
3.834		154008	88192
3.855		277315	170712

3.889		1343813	932963
3.919		502167	285940
3.934		279851	143216
3.995		107012	78732
4.029		539203	432439
4.084		1079968	803565
4.116		309069	229096
4.142		1903400	1432538
4.181		140861	131351
4.233		974670	789206
4.269		125577	93818
4.301		1102795	806664
4.324		139249	84087
4.367		750637	593658
4.461		635173	678327
4.512		776080	652704
4.553		216758	204903
4.59		1352940	1283296
4.635		100664	67094
4.66		45213	29672
4.715		10723	6873
4.741		15499	15688
4.774		54154	40602
4.806		63473	39848
4.828		402007	318319
4.878		56762	46462
4.912		44409	34881
4.945		50884	38722
4.975		177133	127551
4.998		149381	129741
5.068		56212	49243
5.213		4067	2870
5.23		2689	1258
5.254		159390	154104
5.295		2241	2257
5.411		49248	43453
5.461		3015	1907
5.48		58528	47572
5.529		20740	19998
5.639		8630	7516
5.84		26121	24236
5.997	DCB	2049448	1917291
6.449		1535	1411
6.907		694	598
7.038		1009	3780
7.274		770	367
8.223		1373	1978
8.436		1169	1939
8.53		941	837

AR5421624C AAAR542AA ICAL 1628299999 10736 SW-846 8082

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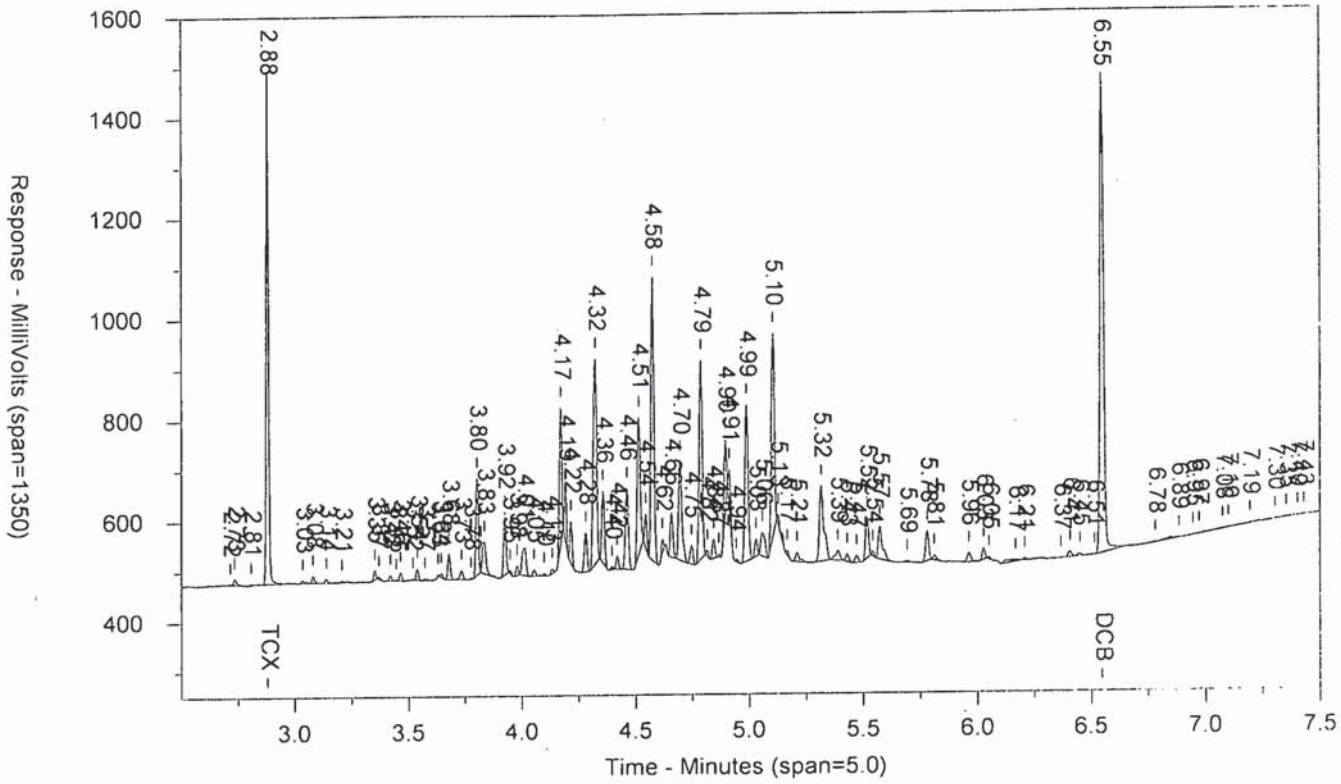

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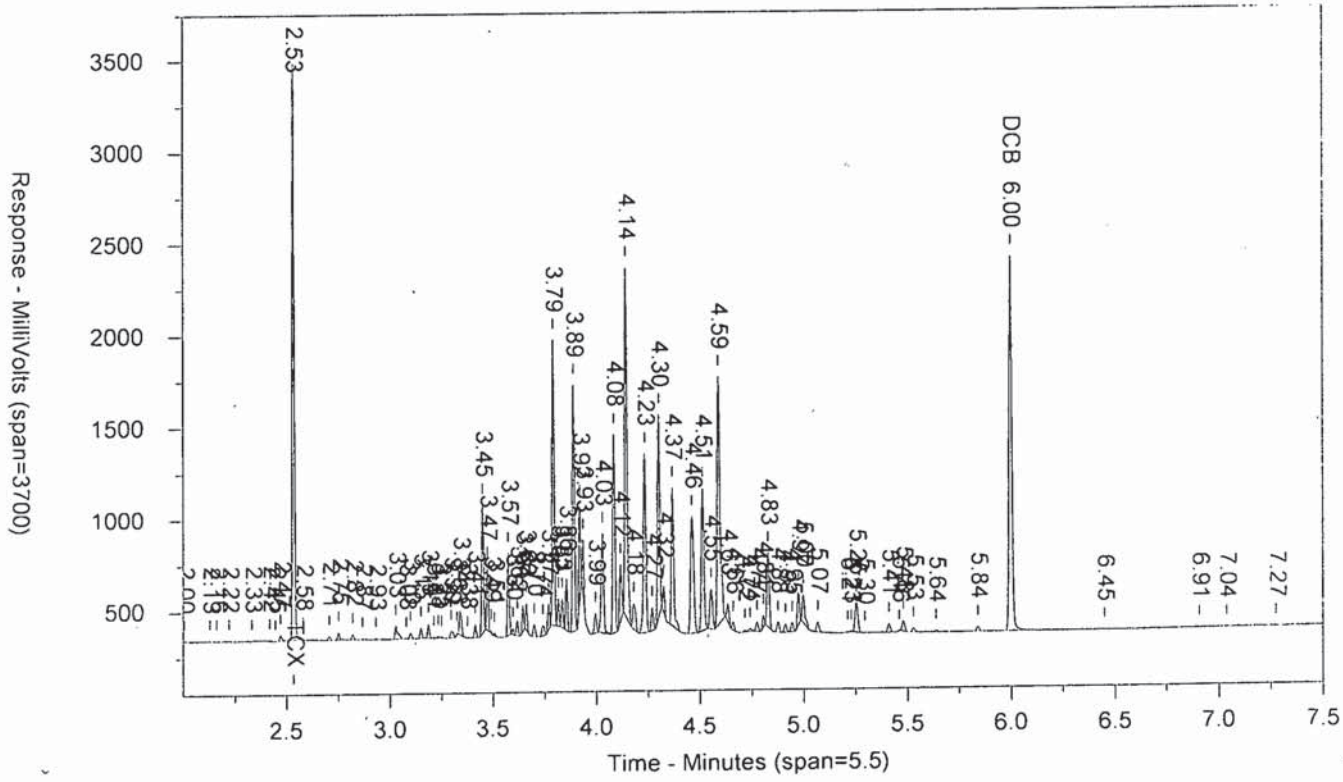

LANCASTER LABORATORIES

Sample Number: AR5421624C AAAR542AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:45:31 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	1018755	7.756	TCX	2.534	3153653	7.654	TCX
6.547	934390	7.435	DCB	5.997	2049448	7.632	DCB

Files:
Area File: 07PCBS16283001.0018.RAW
Area File: 07PCBS16283001B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 4:54:12 PM
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AR5421624C AAAR542AA ICAL 1628299999 10736 SW-846 8082

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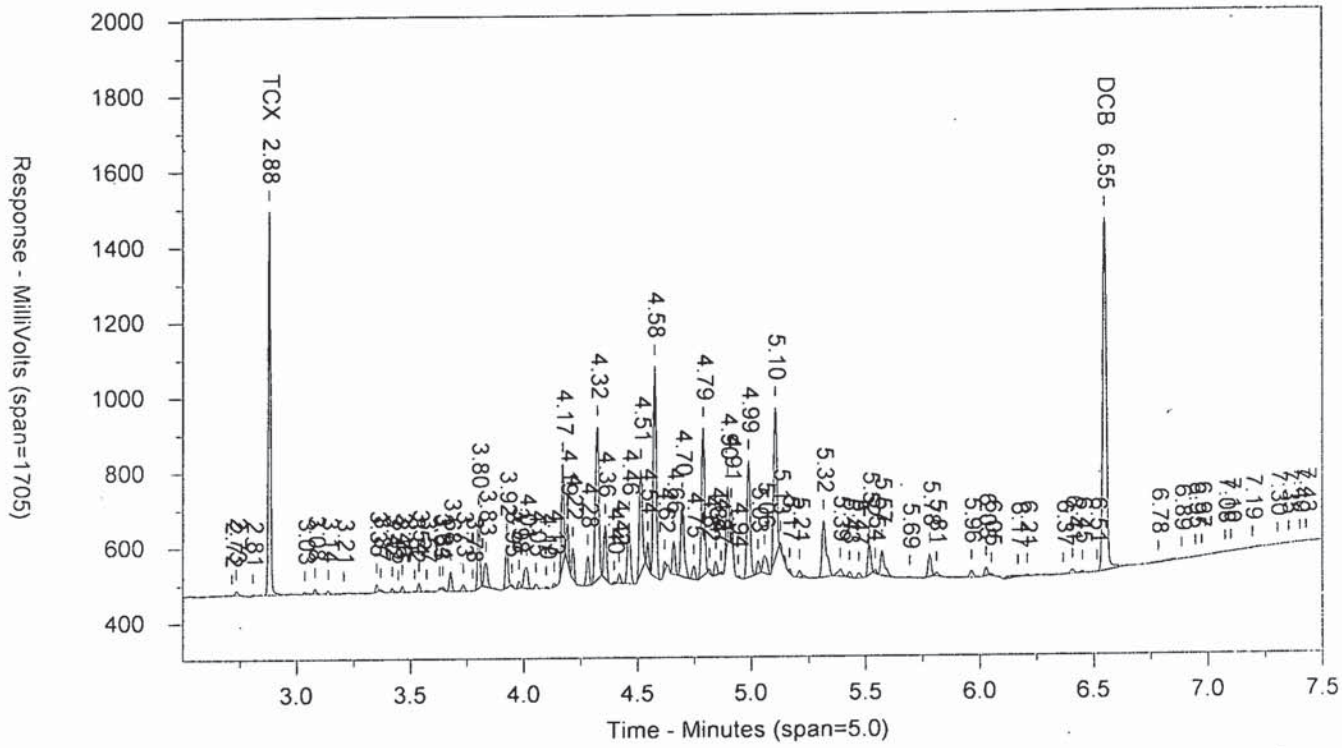

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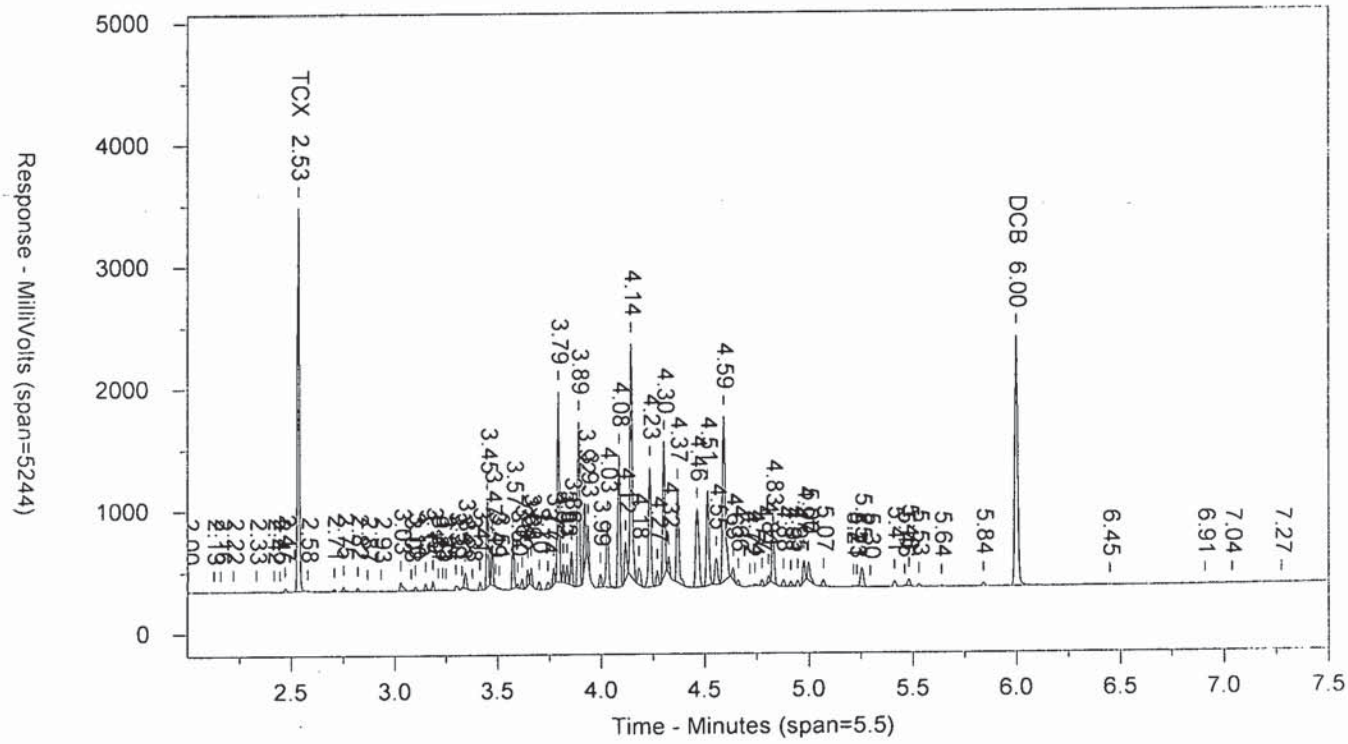

LANCASTER LABORATORIES

Sample Number: AR5431624B AAAR543AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:57:01 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0019.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		4314	3827
1.736		1732	1302
1.853		1228	748
1.976		5087	14421
2.062		7785	22013
2.104		4033	9961
2.177		12703	9616
2.27		5818	4023
2.288		5846	4425
2.39		1801	1919
2.523		2436	2774
2.639		1513	1393
2.698		1862	2507
2.807		2159	3882
2.88	TCX	2542252	1707168
3.034		12335	10685
3.08		32569	25751
3.138		19787	14368
3.209		5659	3405
3.232		4905	3676
3.351		39323	24702
3.369		9120	7982
3.42		24118	17369
3.465		37998	27919
3.52		5356	3814
3.539		50803	34968
3.574		7467	7986
3.632		11099	5723
3.647		14281	10706
3.68		117019	89245
3.734		41402	32714
3.777		4728	3004
3.803		443109	329296
3.833		140188	152377
3.926		270350	208678
3.949		13261	7586
3.98		42876	30163
4.013		127311	152509
4.055		29185	23849
4.082		2128	817
4.1		11200	8211
4.134		22877	16176
4.172		631851	469219
4.193		249732	150191
4.216		184194	137406
4.282		176482	154174
4.324		965813	996437
4.358		339158	278302
4.398		12165	7990
4.421		60761	48424
4.463		359348	346411
4.515		646968	592711
4.546		156756	103372

RT A	Compound A	Height A	Area A
4.576		1350116	1210212
4.621		54749	39943
4.634		21649	11615
4.659		211565	171716
4.697		432681	448570
4.748		88649	78286
4.788		919238	895527
4.817		26169	15844
4.843		89691	73149
4.869		15007	8159
4.896		320132	253119
4.913		140706	88904
4.944		11152	8320
4.987		772805	744426
5.031		72898	62150
5.058		106940	140323
5.105		997001	938481
5.127		44350	22103
5.144		33361	17562
5.166		21285	15383
5.21		40664	49744
5.315		370501	474608
5.391		43505	46517
5.43		35784	34091
5.471		31212	31594
5.516		198086	182775
5.542		23288	14866
5.572		157657	194155
5.78		138985	134202
5.813		22982	23081
5.873		2031	1850
5.964		41742	45678
6.028		51010	46184
6.05		7916	5430
6.129		3903	6833
6.206		9720	9787
6.404		27399	27454
6.445		2095	1169
6.509		1180	774
6.547	DCB	2364837	2463817
6.668		2132	1791
6.709		1518	732
6.776		1142	835
6.856		3047	8093
6.897		1267	929
6.943		1469	1206
6.958		1330	745
7.027		1074	4663
7.098		1845	2526
7.215		1152	4628
7.25		1367	1101
7.282		1546	1039
7.378		977	1965
7.423		1674	803
7.433		1579	600
7.47		1434	502
7.598		910	2539
7.648		1433	1274
7.676		1432	815
7.713		1062	1126
7.762		1369	558
7.81		1482	479
7.843		883	1590
7.917		1698	2119
7.974		1066	1093
8.038		1326	597

RT A	Compound A	Height A	Area A
8.095		1627	1022
8.155		1566	1005
8.211		1729	736
8.272		2035	818
8.362		1349	2096
8.494		1336	1314
8.584		9078	24756

LANCASTER LABORATORIES

Sample Number: AR5431624B AAAR543AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:57:01 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0019.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.51		2622	1929
1.542		926	542
1.598		2931	6974
1.673		2081	1164
1.708		1057	1442
1.804		4259	15105
1.849		48400	44899
1.926		10175	27409
1.975		17028	18206
2.063		2108	6357
2.134		1690	2148
2.161		2198	3202
2.223		4801	3915
2.284		810	1131
2.331		1316	1094
2.417		1412	2123
2.471		5702	5079
2.533	TCX	7901292	4798165
2.579		8978	5546
2.707		44542	30375
2.751		98966	54122
2.768		7385	3423
2.819		67540	42678
2.867		16218	10386
2.931		14535	10198
3.028		160725	157291
3.079		7258	3930
3.099		81930	47756
3.124		1640	795
3.15		125166	77054
3.167		5563	2008
3.186		176084	105290
3.212		18790	9427
3.233		21159	10845
3.248		9418	5807
3.279		2221	944
3.297		88292	86209
3.326		26051	11042
3.341		266514	213273
3.414		157850	100626
3.449		1592818	976643
3.472		730533	446297
3.505		31180	17384
3.573		988407	639994
3.596		83673	41567
3.617		186096	115879
3.644		279826	149529
3.661		335778	184832
3.7		150153	110648
3.742		126561	113734
3.769		315760	182923
3.791		3723714	2446572
3.815		337202	181983
3.834		348897	194896

3.855		623339	385208
3.889		3234157	2177782
3.919		1143228	660125
3.934		654930	315555
3.995		243322	171789
4.029		1260477	985069
4.084		2645973	1910798
4.115		719771	534126
4.142		4763606	3466126
4.18		322869	302651
4.232		2280758	1835944
4.268		297281	220928
4.3		2756535	1968621
4.324		304304	190029
4.348		7122	1905
4.366		1655974	1213034
4.388		53067	25879
4.46		1435593	1575298
4.512		1892248	1610884
4.552		496477	471944
4.59		3243534	3060947
4.634		232701	153835
4.659		104472	73115
4.715		22571	14975
4.74		5980	3683
4.755		6814	2676
4.774		135583	101964
4.804		144280	93793
4.827		950711	748437
4.877		133878	113530
4.911		105932	86159
4.945		118141	92563
4.973		406134	307330
4.997		339973	307377
5.067		131645	114914
5.188		1281	781
5.212		13089	9858
5.252		378507	383661
5.411		114463	102547
5.461		5557	4479
5.48		133925	110485
5.529		54512	46850
5.639		20616	17449
5.795		1242	1365
5.839		61408	52879
5.997	DCB	4859027	4446692
6.336		1162	1424
6.452		3883	4197
6.705		815	1374
7.289		979	1586
7.526		651	233
7.824		978	2153
8.013		1687	3241
8.224		2346	7992
8.56		601	672

AR5431624B AAAR543AA ICAL 1628299999 10736 SW-846 8082

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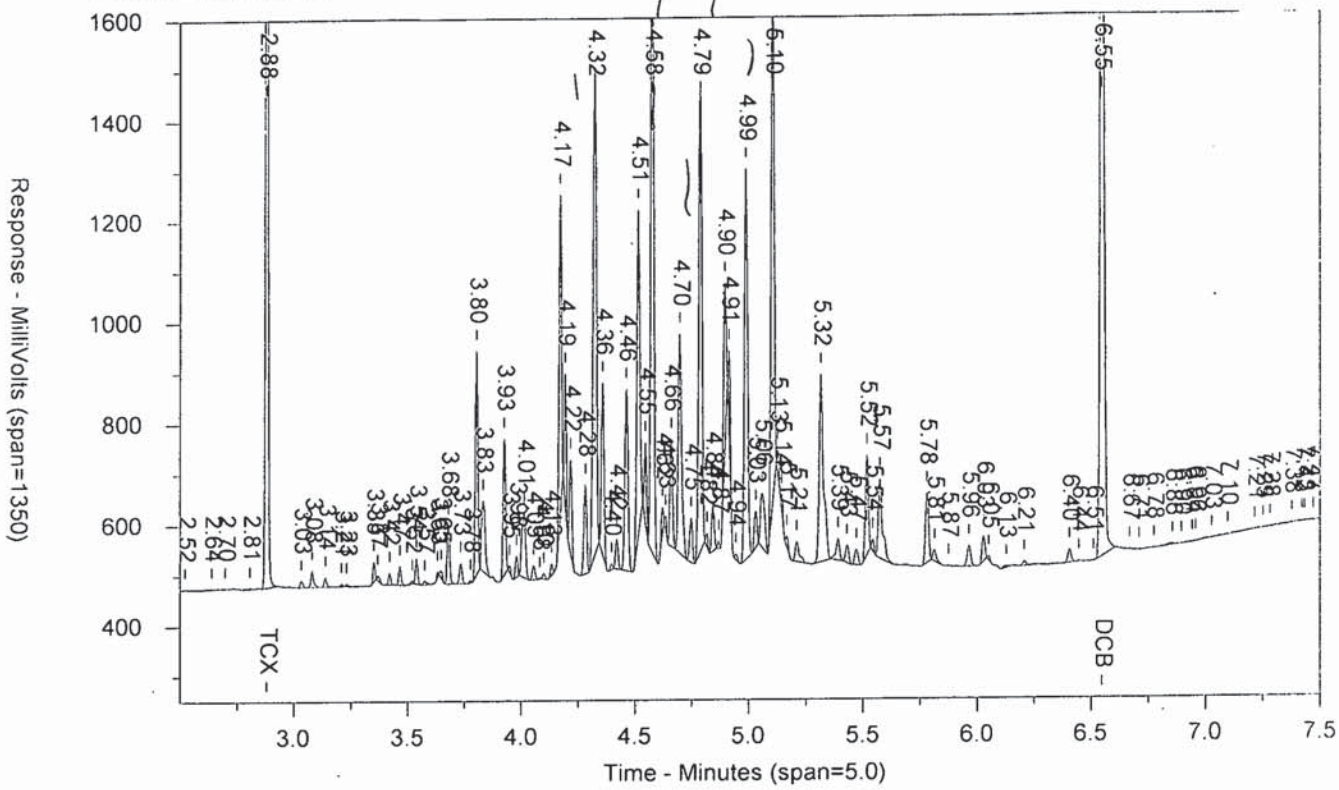

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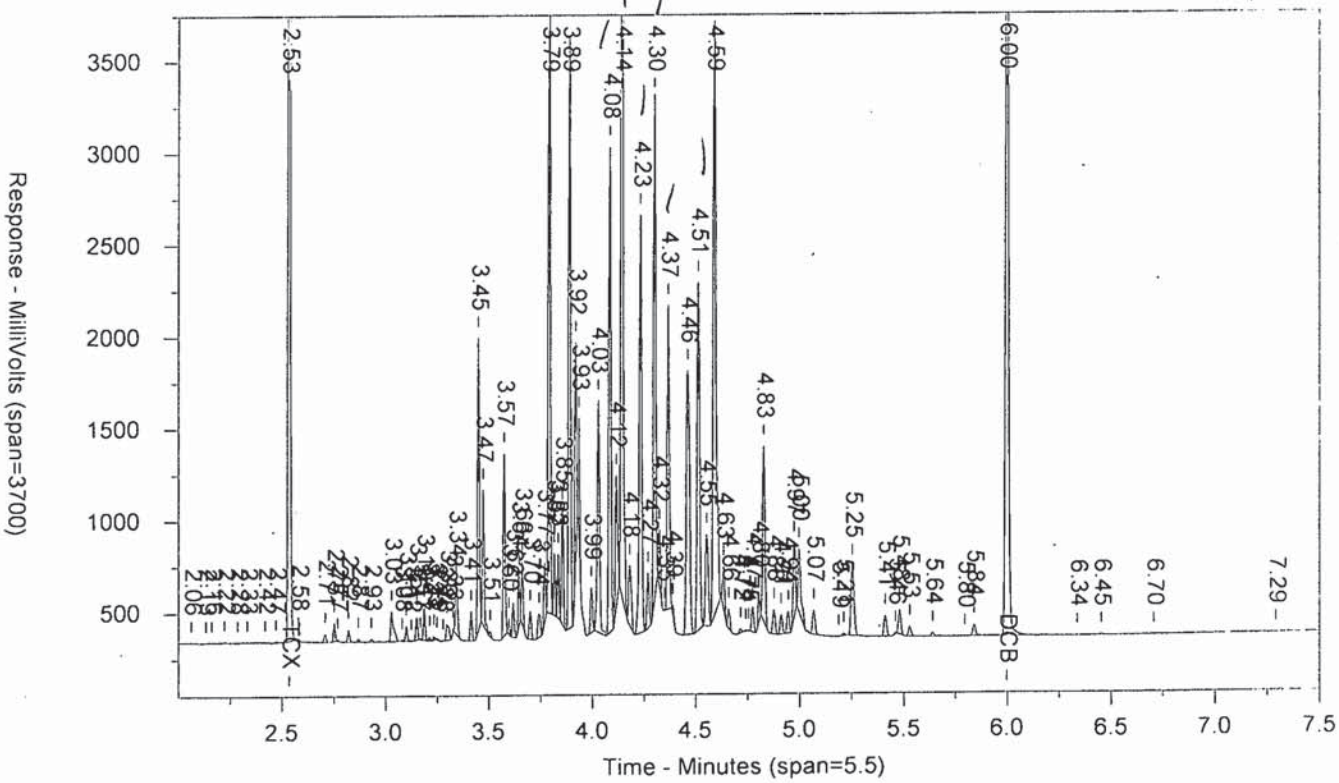

LANCASTER LABORATORIES

Sample Number: AR5431624B AAAR543AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 4:57:01 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	2542252	19.355	TCX	2.533	7901292	19.176	TCX
6.547	2364837	18.818	DCB	5.997	4859027	18.094	DCB

Files:
Area File: 07PCBS16283001.0019.RAW
Area File: 07PCBS16283001B.0019.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 5:05:42 PM
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AR5431624B AAAR543AA ICAL 1628299999 10736 SW-846 8082

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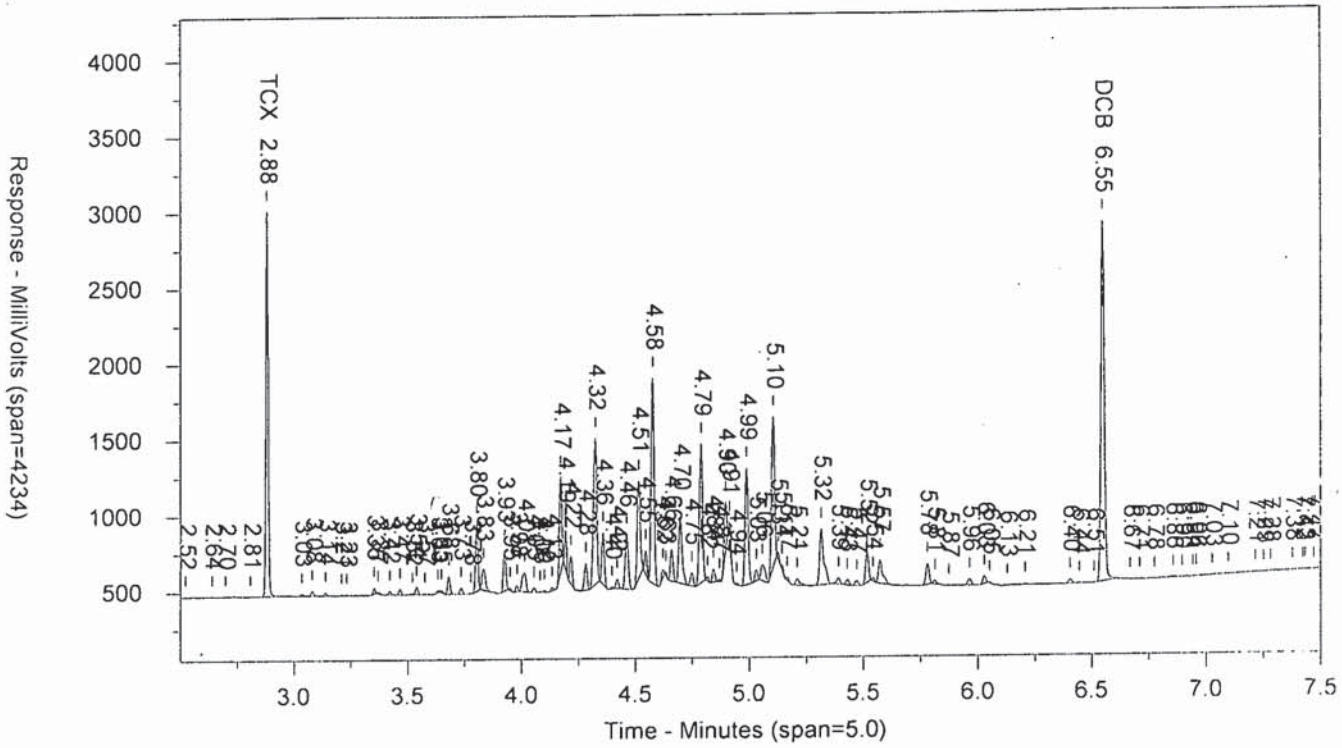

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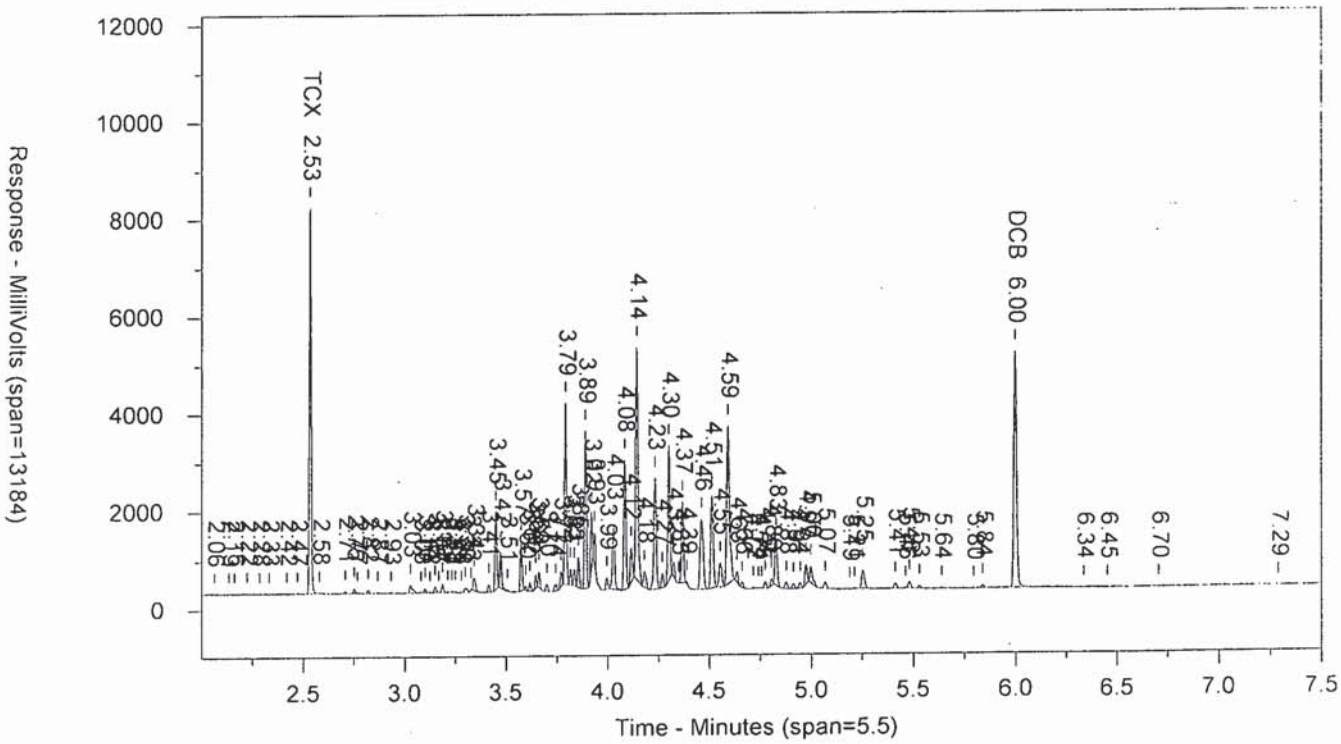

LANCASTER LABORATORIES

Sample Number: AR5441624B AAAR544AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:08:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.763		1542	1124
1.806		1487	1830
1.866		1021	716
1.947		6916	17194
2.057		8587	12776
2.108		6079	19163
2.177		27285	30261
2.268		6117	6178
2.288		11821	10975
2.336		2600	3079
2.421		1087	5127
2.45		1112	330
2.524		3465	3587
2.564		1360	853
2.696		1419	2278
2.785		1625	801
2.813		1694	2621
2.881	TCX	5364168	3636946
3.034		24933	21861
3.08		66586	51225
3.138		38879	28381
3.209		10051	7040
3.231		8825	6375
3.351		77499	49647
3.369		17634	15327
3.42		46511	36024
3.465		76024	54733
3.518		10618	6735
3.538		95673	66844
3.574		14987	14851
3.632		22479	12245
3.645		26941	20531
3.679		222176	172866
3.734		80678	66099
3.776		11755	6978
3.803		860756	646583
3.832		268192	298259
3.875		9957	6194
3.925		543589	413801
3.95		28471	16001
3.979		85636	60554
4.013		244216	300915
4.054		59397	46258
4.081		3681	1809
4.099		21863	15113
4.133		43804	32358
4.171		1333627	956458
4.192		511802	305001
4.215		378637	279391
4.282		349407	307165
4.323		2111405	2054567
4.357		672620	556230
4.398		24873	16052

RT A	Compound A	Height A	Area A
4.421		120621	95990
4.462		748039	689727
4.514		1380468	1257487
4.546		327645	211475
4.575		2891740	2554428
4.62		116009	84121
4.633		45609	25161
4.659		413427	345221
4.697		879420	904037
4.747		174977	156388
4.788		1984526	1886208
4.816		51933	31016
4.843		176920	146085
4.868		31117	17459
4.896		701700	529697
4.912		320941	193748
4.943		22227	17373
4.988		1644955	1601153
5.031		160910	133528
5.058		214376	285534
5.105		2153391	1968533
5.127		97186	42627
5.144		64872	35287
5.167		46482	29787
5.21		70533	60526
5.23		9234	5441
5.315		735628	990003
5.392		82439	75240
5.431		75457	70349
5.47		63170	61376
5.516		428057	385348
5.541		49293	31463
5.572		313774	392321
5.78		289629	277709
5.811		47041	48711
5.963		81091	88083
6.027		96168	87391
6.049		17788	12589
6.122		1351	1254
6.163		1328	1111
6.207		17800	18588
6.253		1872	2003
6.331		1509	830
6.403		54409	54981
6.547	DCB	4702106	5142713
6.66		3049	2768
6.702		1722	664
6.848		2493	2194
6.927		1147	999
6.998		3961	5789
7.085		1054	2562
7.117		1482	346
7.252		1477	5217
7.302		1468	1960
7.352		1464	434
7.399		1137	1114
7.518		1596	4322
7.581		1514	1040
7.604		1166	828
7.654		1144	1991
7.674		1264	1107
7.708		1248	862
7.724		1590	887
7.77		1775	1973
7.871		1564	2356
7.941		1864	1035

RT A	Compound A	Height A	Area A
7.982		842	638
8.081		1175	979
8.183		1999	1536
8.316		1421	562
8.428		2829	6636
8.533		1561	610
8.583		8651	18575

LANCASTER LABORATORIES

Sample Number: AR5441624B AAAR544AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:08:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.509		1843	1212
1.556		1395	1327
1.711		4591	8483
1.798		6058	20816
1.849		81194	74366
1.929		8934	26785
1.976		30977	28863
2.065		3726	4237
2.133		1885	2547
2.155		2175	3541
2.223		9172	6861
2.335		1522	2088
2.417		2718	2880
2.471		4797	4175
2.534	TCX	16585110	10020560
2.579		17068	10350
2.707		90541	59702
2.751		191887	108168
2.768		14311	6462
2.82		134177	84896
2.867		32108	19229
2.931		29040	19805
3.027		309136	311524
3.079		15678	8221
3.099		159488	95328
3.124		3787	1756
3.149		254360	152690
3.167		11938	4238
3.186		336266	207453
3.212		35738	18731
3.232		44119	23088
3.247		15036	6648
3.297		171265	173335
3.327		46111	19565
3.341		524686	414009
3.414		310284	197515
3.449		3138437	1934065
3.472		1451857	868183
3.505		63531	36062
3.573		1956241	1241386
3.596		160201	80202
3.616		358330	227730
3.644		546564	293428
3.66		662972	365179
3.699		292737	218580
3.743		241158	223308
3.769		659543	375879
3.791		7664834	5035416
3.815		670194	364529
3.834		682617	368986
3.854		1235974	756115
3.888		6589463	4466089
3.919		2377283	1348776
3.934		1261154	613424

3.995		474488	328193
4.029		2534520	1962460
4.084		5559893	3981500
4.115		1458536	1083998
4.142		9668665	7258772
4.18		617390	600939
4.232		4707145	3767633
4.269		627350	449661
4.3		6154574	4272629
4.324		640536	413439
4.366		3571591	2502017
4.388		107766	55923
4.46		2946480	3225663
4.512		4275820	3507412
4.552		1030863	944330
4.589		6909807	6533003
4.634		478146	310503
4.659		193165	140647
4.715		70855	71310
4.755		21890	10254
4.773		266926	209726
4.805		278014	178426
4.827		1919170	1546758
4.876		269522	230208
4.911		217955	175964
4.944		232716	184311
4.974		883533	652982
4.996		647478	604931
5.037		15061	8460
5.067		252659	226428
5.133		2583	2374
5.187		3208	2090
5.211		34226	27944
5.253		760861	833685
5.355		2353	2498
5.411		221965	198215
5.459		17539	10304
5.48		256324	211087
5.529		107351	95172
5.639		41992	36608
5.793		2439	1919
5.84		125208	108991
5.869		2690	1554
5.997	DCB	9628441	9019847
6.172		1809	2195
6.339		1557	1597
6.403		867	564
6.451		8862	10384
6.624		1630	1753
7.243		812	1587
7.549		851	1834
7.831		1177	1892
8.008		1646	3279
8.517		932	751

AR5441624B AAAR544AA ICAL 1628299999 10736 SW-846 8082

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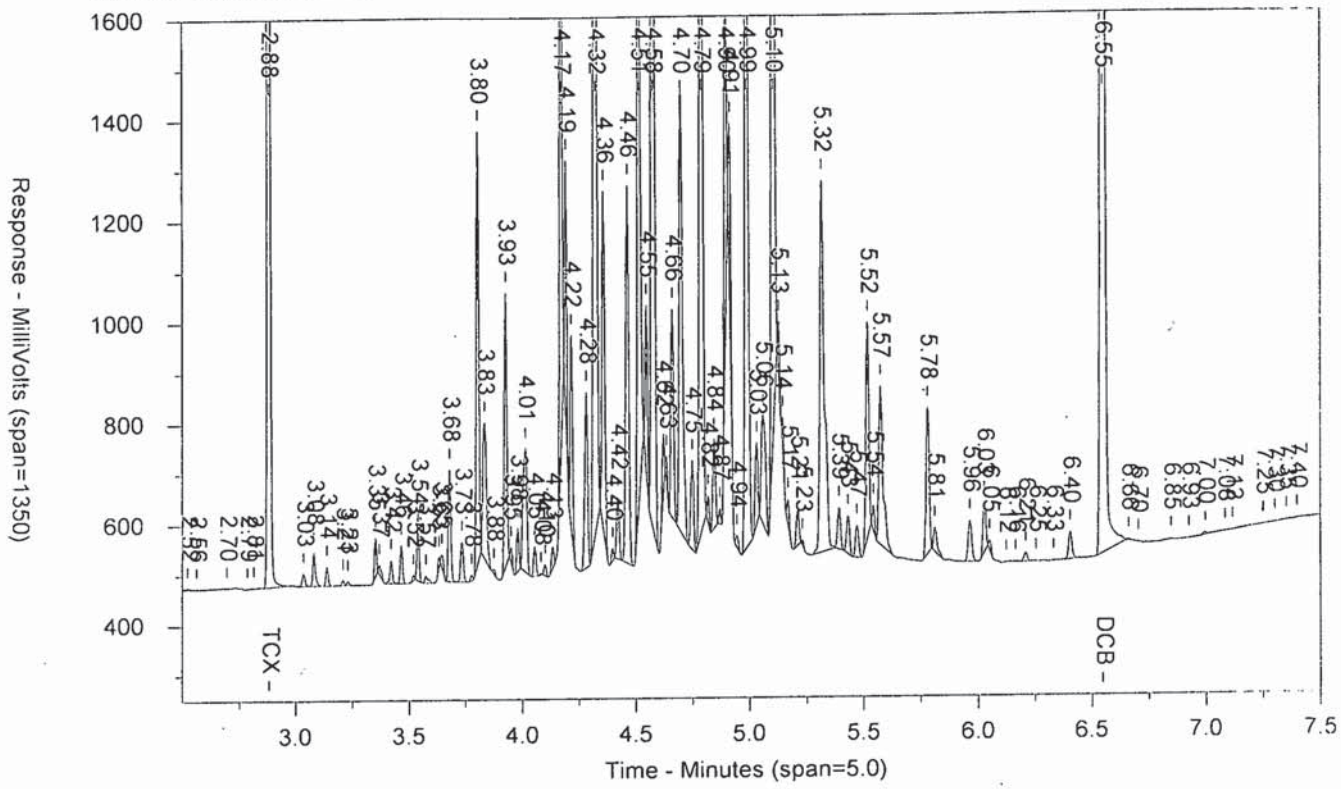

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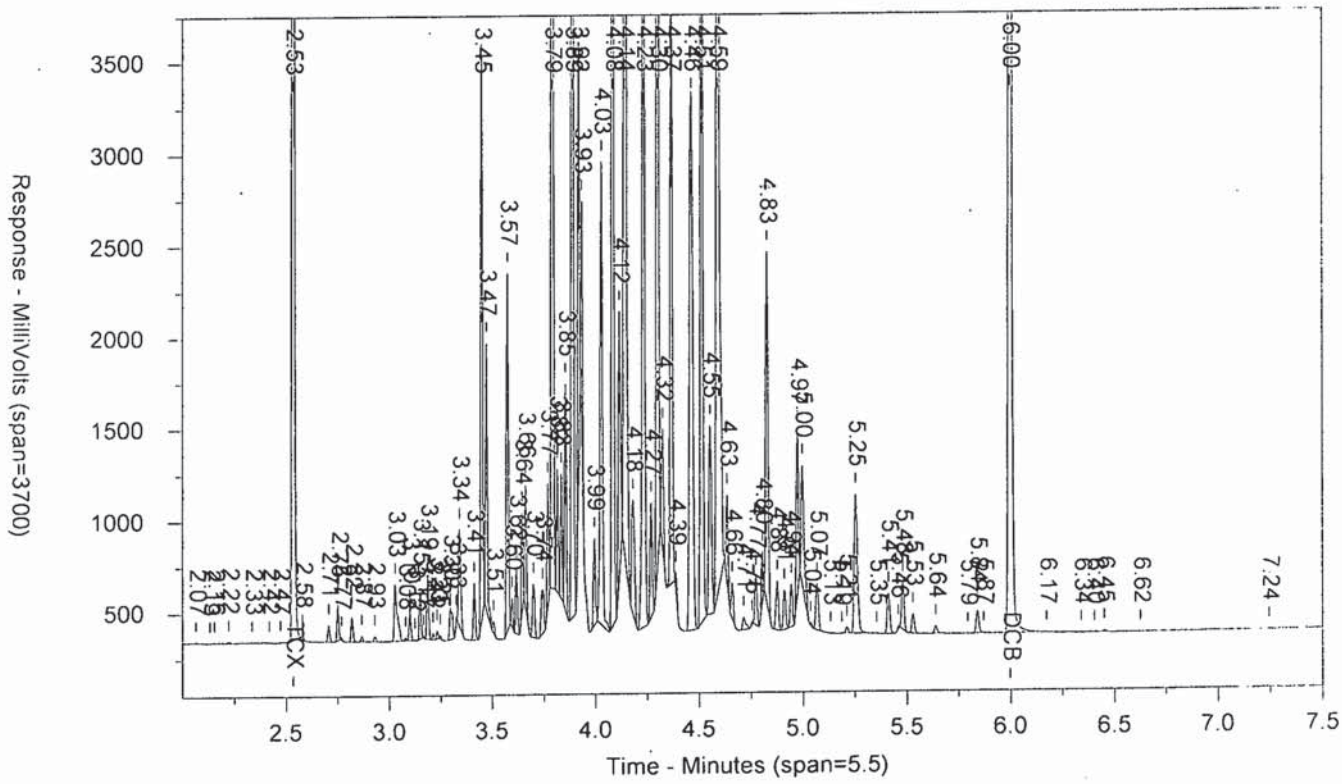

LANCASTER LABORATORIES

Sample Number: AR5441624B AAAR544AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:08:29 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.881	5364168	40.839	TCX	2.534	16585110	40.252	TCX
6.547	4702106	37.416	DCB	5.997	9628441	35.855	DCB

Files:
Area File: 07PCBS16283001.0020.RAW
Area File: 07PCBS16283001B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 5:17:09 PM
File Reported On: 10/9/2016 at 5:17:19 PM

AR5441624B AAAR544AA ICAL 1628299999 10736 SW-846 8082

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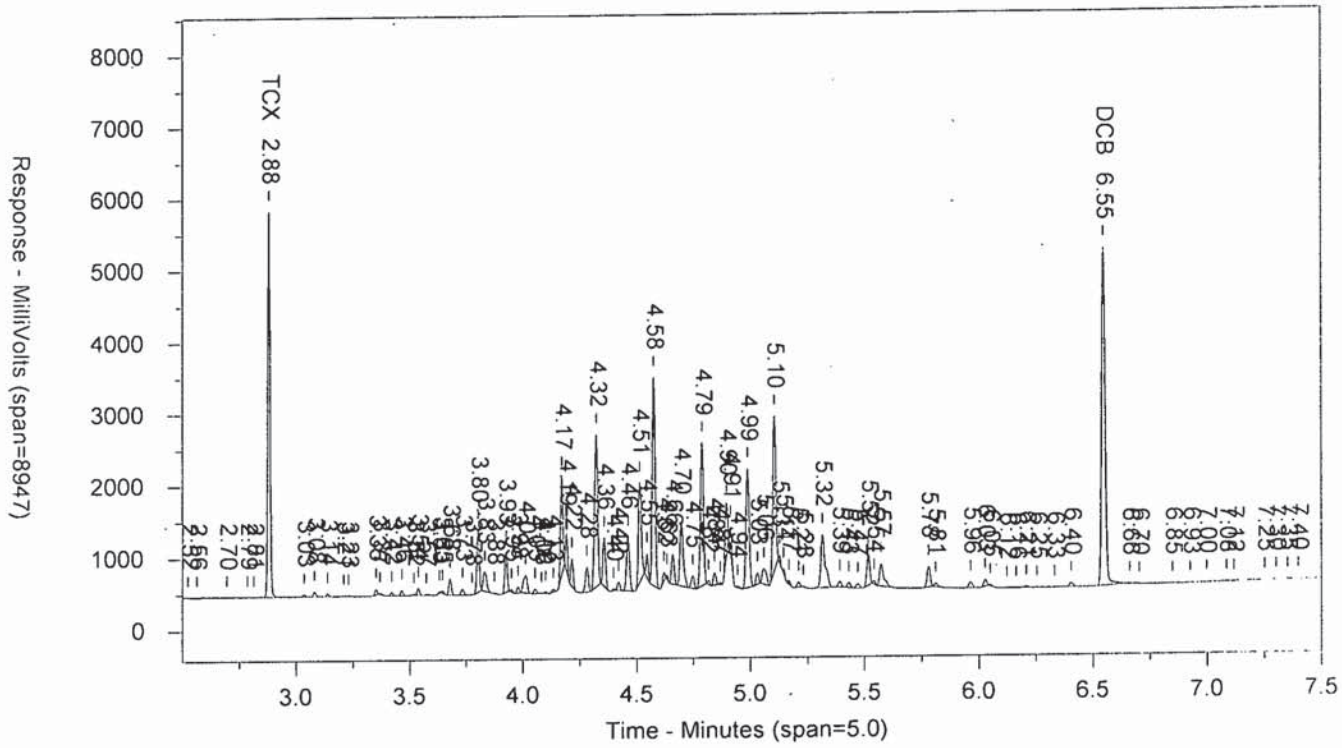

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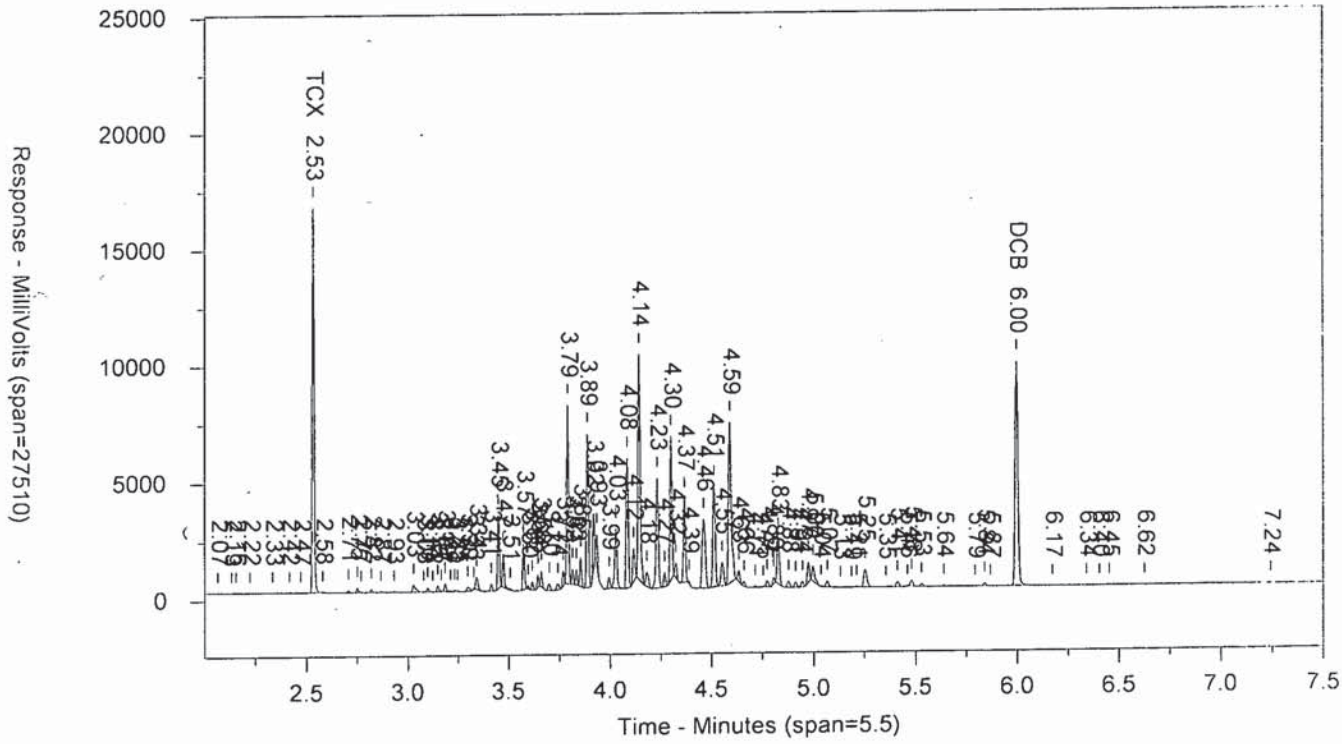

LANCASTER LABORATORIES

Sample Number: AR5451624B AAAR545AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:19:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		1240	3012
1.685		1235	972
1.949		1973	3022
2.06		6071	12536
2.108		1108	641
2.138		1204	865
2.177		46378	33471
2.247		2249	1734
2.27		7334	5339
2.287		20881	17251
2.348		3937	8392
2.387		2456	2293
2.448		1379	1191
2.526		5594	5110
2.629		1391	2027
2.718		1405	836
2.735		3218	1845
2.783		2117	1198
2.803		3662	4633
2.88	TCX	10818070	7385001
2.983		2554	1502
3.033		50482	42067
3.08		123001	96449
3.137		78338	57460
3.208		19664	12017
3.232		16077	11070
3.272		2612	2641
3.351		147060	91688
3.368		36263	32576
3.419		93128	72051
3.464		145590	108674
3.517		19942	12959
3.537		200287	134897
3.573		30990	31313
3.631		42665	24154
3.645		49088	39537
3.678		457539	352321
3.733		157147	128609
3.775		24663	15422
3.802		1678813	1232232
3.832		526334	575988
3.873		19884	12738
3.924		1029724	779865
3.947		52089	30149
3.979		168148	117622
4.011		478293	588176
4.053		111530	89187
4.081		5596	2770
4.098		48263	34265
4.132		78723	58644
4.17		2604295	1866689
4.191		1011585	610031
4.214		703301	518960

RT A	Compound A	Height A	Area A
4.28		649952	573127
4.322		4012510	4012612
4.356		1260946	1051706
4.397		42926	29196
4.419		220959	177393
4.461		1443177	1323486
4.514		2857148	2471085
4.544		608572	407551
4.574		5980690	5022997
4.619		211528	155238
4.632		77745	38964
4.657		780267	652947
4.695		1670982	1703101
4.746		332667	292594
4.787		3978627	3704032
4.815		108280	68065
4.842		310068	267090
4.867		69446	37671
4.894		1279241	998069
4.911		528375	339157
4.943		43977	33677
4.986		3299834	3192245
5.029		316821	251938
5.055		425567	544404
5.104		4485222	4651042
5.142		119107	70839
5.165		81357	54475
5.208		130798	112987
5.229		15913	9078
5.313		1465693	1874202
5.363		5974	2924
5.389		154689	139407
5.429		141936	132595
5.469		127569	119458
5.515		857698	769765
5.54		96104	66704
5.57		608709	756655
5.654		1876	1094
5.685		5024	5400
5.778		556091	530116
5.81		91426	91075
5.869		4028	4950
5.962		162458	170624
6.026		197163	172780
6.048		36819	22811
6.127		3815	6107
6.205		34784	34947
6.248		3072	7589
6.33		2795	3957
6.374		1489	1361
6.402		101763	103216
6.445		6922	6519
6.501		1545	1128
6.545	DCB	9278835	9952330
6.659		5498	5693
6.758		2391	2187
6.803		1267	866
6.847		3060	3694
6.96		974	479
6.992		10143	10324
7.073		777	1413
7.128		1470	1057
7.215		1213	5195
7.289		1124	972
7.351		1415	955
7.399		1565	382

RT A	Compound A	Height A	Area A
7.463		1203	1125
7.54		843	129
7.584		1595	1441
7.646		1003	913
7.665		1590	731
7.718		1402	1276
7.762		1362	1490
7.827		1408	962
7.923		1229	2095
8.052		1857	2515
8.204		1357	375
8.283		1210	648
8.32		1798	1455
8.409		1633	1053
8.495		1567	978
8.529		1457	1538
8.587		7669	17565

LANCASTER LABORATORIES

Sample Number: AR5451624B AAAR545AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:19:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.509		3552	2551
1.574		1139	778
1.695		1190	930
1.794		6358	23507
1.849		145375	117616
1.927		13233	36948
1.975		59120	51592
2.065		6656	6223
2.105		3470	1988
2.13		1724	1984
2.164		2228	3283
2.223		18663	15200
2.289		2139	1732
2.331		2194	3799
2.395		1392	1240
2.417		4115	4782
2.444		2630	1403
2.471		10450	8132
2.534	TCX	33807870	20224960
2.579		36100	21352
2.707		179436	119124
2.731		2201	910
2.751		373099	206943
2.768		34324	14911
2.819		257136	165403
2.867		63063	38906
2.931		59154	39731
2.967		1122	696
3.027		589050	594288
3.078		28330	15069
3.099		309245	187484
3.123		7479	3580
3.149		467705	291865
3.166		22249	7767
3.185		683837	416813
3.212		66413	34456
3.232		90882	47278
3.246		29783	13473
3.276		1745	749
3.296		313857	322272
3.326		85773	37089
3.34		1049489	852375
3.413		599279	381967
3.448		6079857	3660363
3.471		2877594	1576814
3.488		107558	37776
3.504		122975	72109
3.572		3724607	2339598
3.594		315018	152673
3.615		686348	437298
3.643		1134669	609111
3.66		1252750	681782
3.698		560311	430451
3.742		469671	432318

3.768		1188708	713468
3.79		14833390	9730999
3.814		1395647	723595
3.833		1211710	676789
3.854		2331915	1402009
3.887		13117600	8532621
3.918		4672683	2673421
3.933		2558850	1202524
3.994		857090	591358
4.028		4853639	3754157
4.083		10766580	7690355
4.115		2868445	2086227
4.141		19577900	14162250
4.179		1175686	1117046
4.231		9181730	7202695
4.267		1163154	847553
4.299		12177250	8492981
4.322		1194868	768631
4.365		6471234	4713224
4.387		225621	110843
4.459		5823979	6200456
4.511		8917364	7051330
4.552		1966319	1816010
4.589		14039820	12730720
4.634		1029084	712294
4.658		366651	259004
4.714		125255	134734
4.754		36826	18461
4.773		533936	407687
4.804		549506	342177
4.826		3847125	3012961
4.876		491891	430647
4.911		397528	326173
4.943		453230	353588
4.973		1878472	1396919
4.996		1465360	1256051
5.037		28892	17583
5.067		509373	442111
5.132		5042	4007
5.187		6087	3830
5.211		64335	51315
5.252		1487976	1492269
5.353		4270	3313
5.41		435422	379059
5.458		35322	23151
5.479		471470	402126
5.528		213882	186786
5.638		82752	71562
5.67		4335	3261
5.79		3715	3023
5.838		241820	207783
5.868		4746	2628
5.89		2560	1600
5.931		1125	796
5.996	DCB	19426950	17697480
6.17		3862	3733
6.334		3346	3786
6.403		1499	1269
6.449		16946	16178
6.622		2870	3012
6.685		1241	1873
6.785		1068	1145
7.166		997	1218
7.645		843	509
7.709		1041	1203
7.94		780	2484
8.013		2025	4048

8.353	765	602
8.547	1015	1784

AR5451624B AAAR545AA ICAL 1628299999 10736 SW-846 8082

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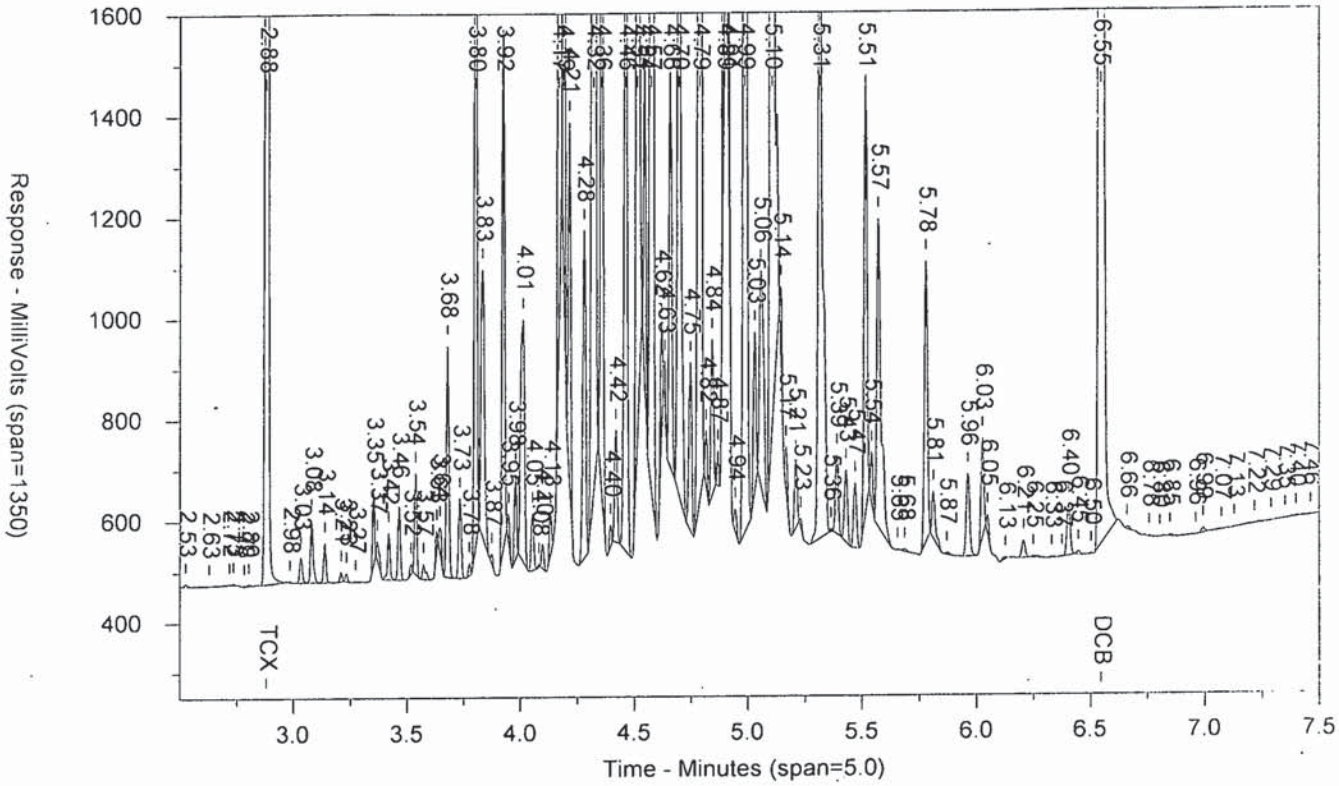

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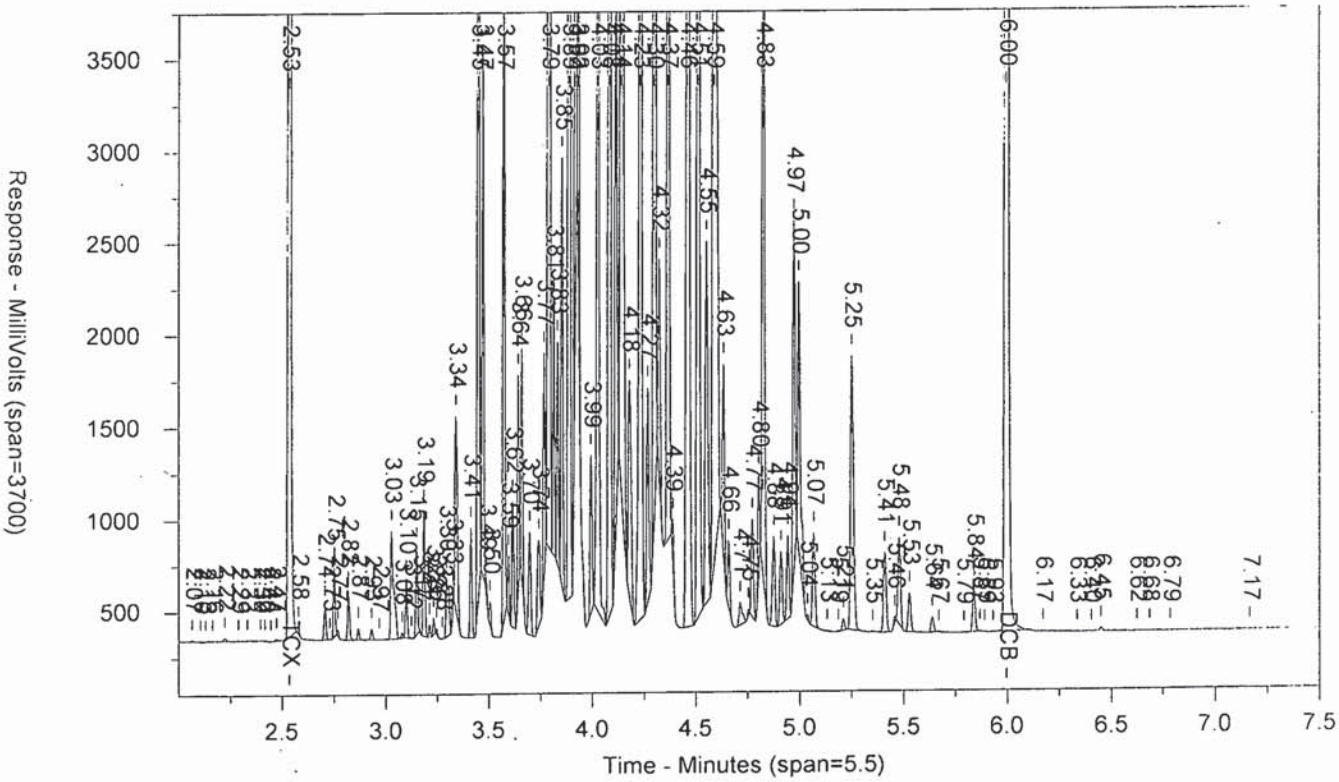

LANCASTER LABORATORIES

Sample Number: AR5451624B AAAR545AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:19:46 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	10818070	82.362	TCX	2.534	33807870	82.051	TCX
6.545	9278835	73.835	DCB	5.996	19426950	72.343	DCB

Files:
Area File: 07PCBS16283001.0021.RAW
Area File: 07PCBS16283001B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 5:28:29 PM
File Reported On: 10/9/2016 at 5:28:37 PM

AR5451624B AAAR545AA ICAL 1628299999 10736 SW-846 8082

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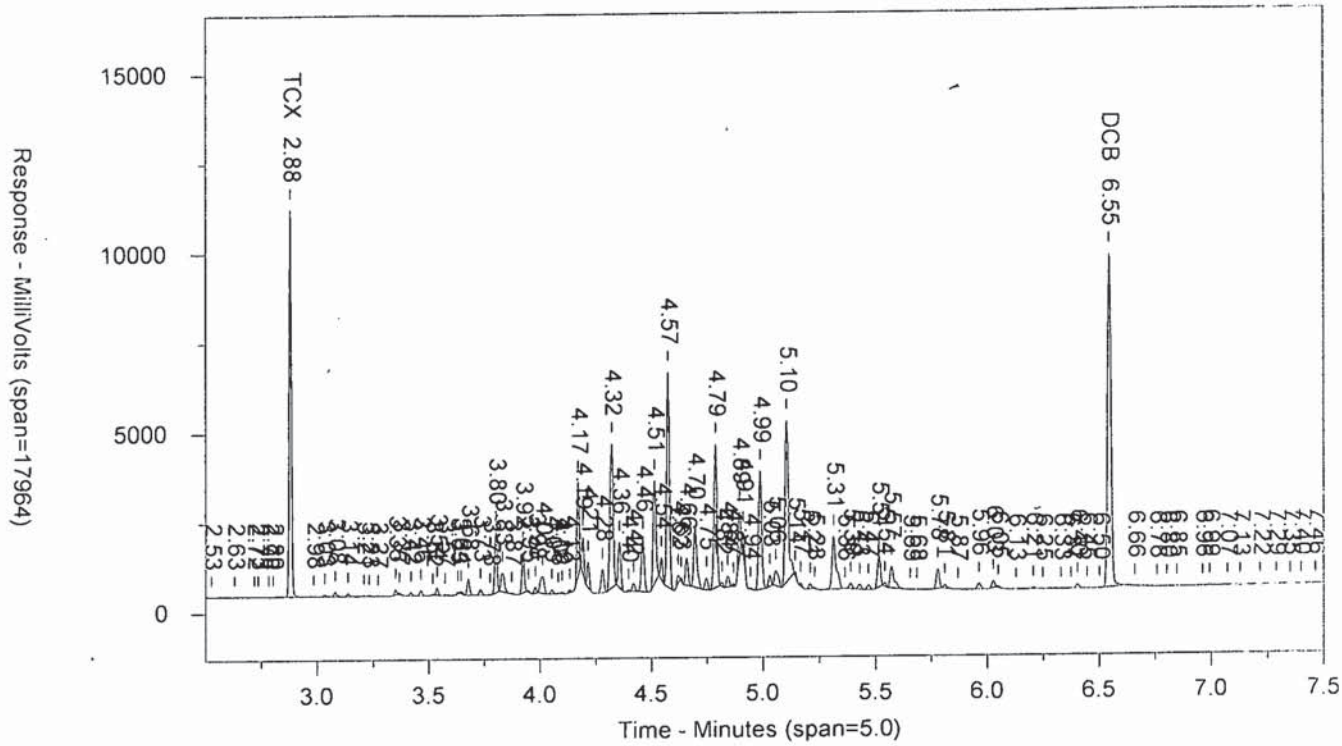

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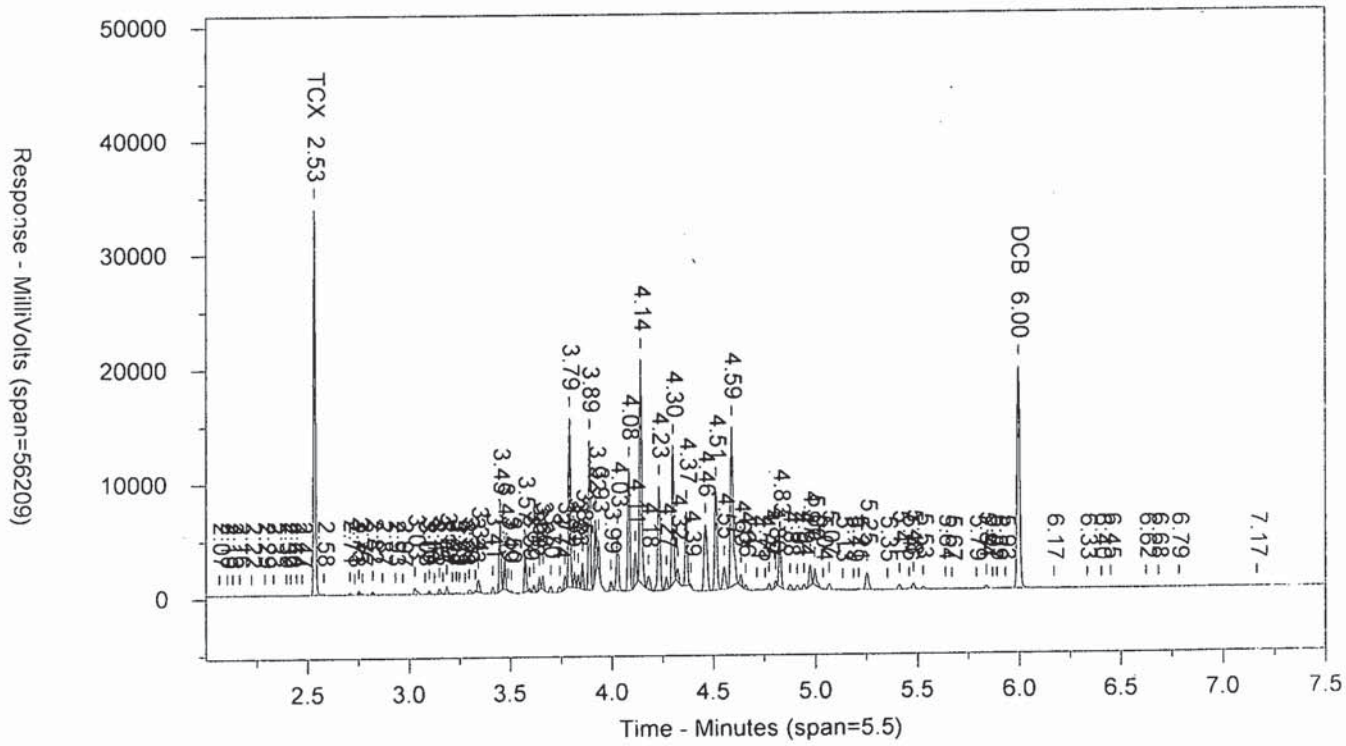

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:31:04 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.534		1371	1130
1.681		2462	1778
1.946		4271	5316
2.058		6727	15198
2.135		1546	820
2.27		6230	3856
2.297		1370	1204
2.336		1639	1516
2.406		1439	4418
2.507		1390	598
2.693		975	1228
2.708		1820	1494
2.735		9288	11718
2.812		2845	6553
2.882	TCX	6163	6672
3.008		1142	822
3.036		5897	6471
3.093		3436	3042
3.138		20247	14985
3.232		5909	5075
3.286		1758	1162
3.321		2105	1365
3.351		21130	12913
3.368		8437	5933
3.42		6225	3767
3.465		29478	21336
3.51		1968	1583
3.537		20653	14896
3.573		4277	2700
3.641		31881	44355
3.679		43549	33681
3.734		36106	32007
3.775		2572	1457
3.803		26028	19585
3.836		75868	63830
3.864		8928	9846
3.924		22865	17983
3.979		6780	4638
4.004		42417	46582
4.054		9391	7313
4.081		2811	1617
4.101		3598	2630
4.133		24016	15562
4.17		121074	127441
4.19		16070	8994
4.214		16862	11832
4.243		3542	2304
4.28		13319	11579
4.323		176684	167872
4.357		17738	13706
4.414		14090	14320
4.457		196226	199110
4.528		138059	178666

RT A	Compound A	Height A	Area A
4.575		78104	70745
4.619		455509	483752
4.657		87161	65611
4.695		806557	759115
4.737		59893	56473
4.784		62333	71226
4.817		42989	32163
4.842		89930	79904
4.895		924459	1030502
4.944		422978	408257
4.987		408491	511032
5.029		11904	7593
5.066		44073	44471
5.102		765457	793007
5.144		13527	8047
5.166		1233427	1188058
5.209		573707	555856
5.304		182153	145152
5.33		1146354	1156753
5.389		496275	490742
5.429		136189	110053
5.47		61201	62989
5.515		197338	197135
5.571		2782944	3046789
5.775		1623438	1809131
5.83		851293	1375828
5.961		81244	82465
6.025		29081	19299
6.048		384054	357736
6.204		1079759	1107206
6.249		57430	54539
6.335		1136	1074
6.401		436402	461967
6.482		2464	2778
6.544	DCB	11308	11379
6.6		661	1321
6.664		1079	948
6.769		1309	2203
6.845		2963	6953
6.878		1639	942
6.995		1247	626
7.02		1303	712
7.16		1417	9886
7.245		1195	1110
7.35		1360	1587
7.422		949	971
7.474		1412	1026
7.502		1147	536
7.569		1044	814
7.638		995	440
7.654		1306	582
7.708		1222	277
7.781		1376	978
7.854		896	2289
7.904		516	952
7.973		1837	1529
8.005		1675	753
8.095		1557	635
8.152		1849	857
8.239		1176	312
8.264		1543	953
8.31		1448	998
8.423		2956	4571
8.471		999	932
8.504		2130	1698
8.579		7600	14918

RT A	Compound A	Height A	Area A
8.645		1386	1064

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:31:04 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.509		8013	5748
1.571		1207	2191
1.627		1719	2245
1.673		2306	1119
1.713		1558	3344
1.796		7344	26677
1.848		20721	18773
1.878		4031	3704
1.928		10144	27233
2.081		2219	4433
2.128		3415	3313
2.158		2910	3659
2.197		890	489
2.223		3003	2458
2.285		2037	2093
2.332		3323	5393
2.442		1951	981
2.471		22971	17132
2.517	TCX	1645	1127
2.58		10058	7872
2.607		1048	683
2.707		20019	16281
2.769		7743	5234
2.82		71167	45712
2.883		1336	1262
2.931		18402	13809
3.027		86169	89739
3.079		7299	4310
3.099		21902	14447
3.149		107056	71368
3.186		67884	41287
3.233		15490	8152
3.251		23269	14666
3.297		26480	11829
3.305		51423	21936
3.341		107352	109011
3.376		4188	2819
3.413		138842	89487
3.449		96234	60325
3.472		309009	189944
3.504		51440	32844
3.573		91271	56792
3.595		26205	13414
3.616		28860	16851
3.643		147251	89420
3.66		29428	21673
3.699		56350	40191
3.744		192218	170570
3.774		85335	48302
3.79		521577	325952
3.815		41482	21981
3.834		19690	9834
3.854		49342	29237
3.888		564166	393274

3.919		78768	43987
3.933		74278	36658
3.98		9344	5804
3.998		27332	16068
4.017		583006	519308
4.058		39201	23904
4.083		137044	95152
4.123		413300	273297
4.155		1585754	1164148
4.18		394238	399713
4.231		2831155	2157057
4.269		212767	155267
4.3		88770	54640
4.324		375939	365375
4.366		2853691	2197017
4.464		2782337	2551406
4.515		538177	447073
4.555		848497	702930
4.589		1827695	1483703
4.621		3873341	3059202
4.659		1623923	1249799
4.715		3952	2470
4.755		834379	695447
4.804		3948772	3459617
4.875		1593366	1538929
4.911		497880	394287
4.942		478821	367962
4.974		23182	12637
4.996		7598091	6389003
5.037		76225	51957
5.066		488810	415734
5.187		122242	76550
5.211		2837047	2404168
5.257		4418744	4937555
5.41		221745	198859
5.459		22909	14397
5.479		137743	108748
5.528		1059664	954200
5.638		2612908	2258640
5.67		121043	82353
5.838		978655	910258
5.996	DCB	26432	22790
6.026		3432	5285
6.11		2047	3755
6.171		3731	3947
6.482		1292	1539
6.566		1165	1578
6.771		780	308
6.955		1328	2938
7.038		947	1100
7.302		711	603
7.478		571	915
7.698		885	1758
7.806		832	481
8.012		1372	2810
8.113		824	461
8.217		1485	2120
8.34		967	1593
8.524		979	1116

AR6231624A AAAR623AA ICAL 1628299999 10736 SW-846 8082

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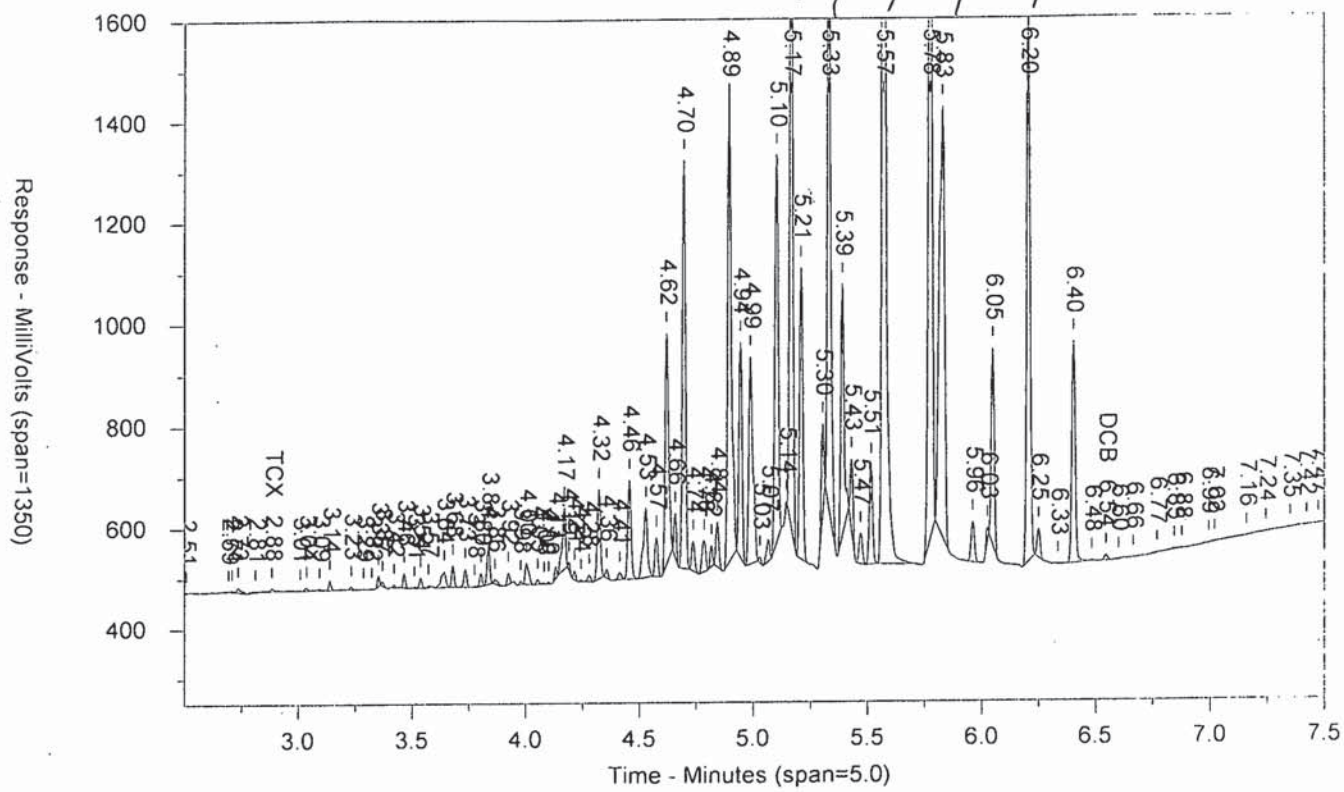

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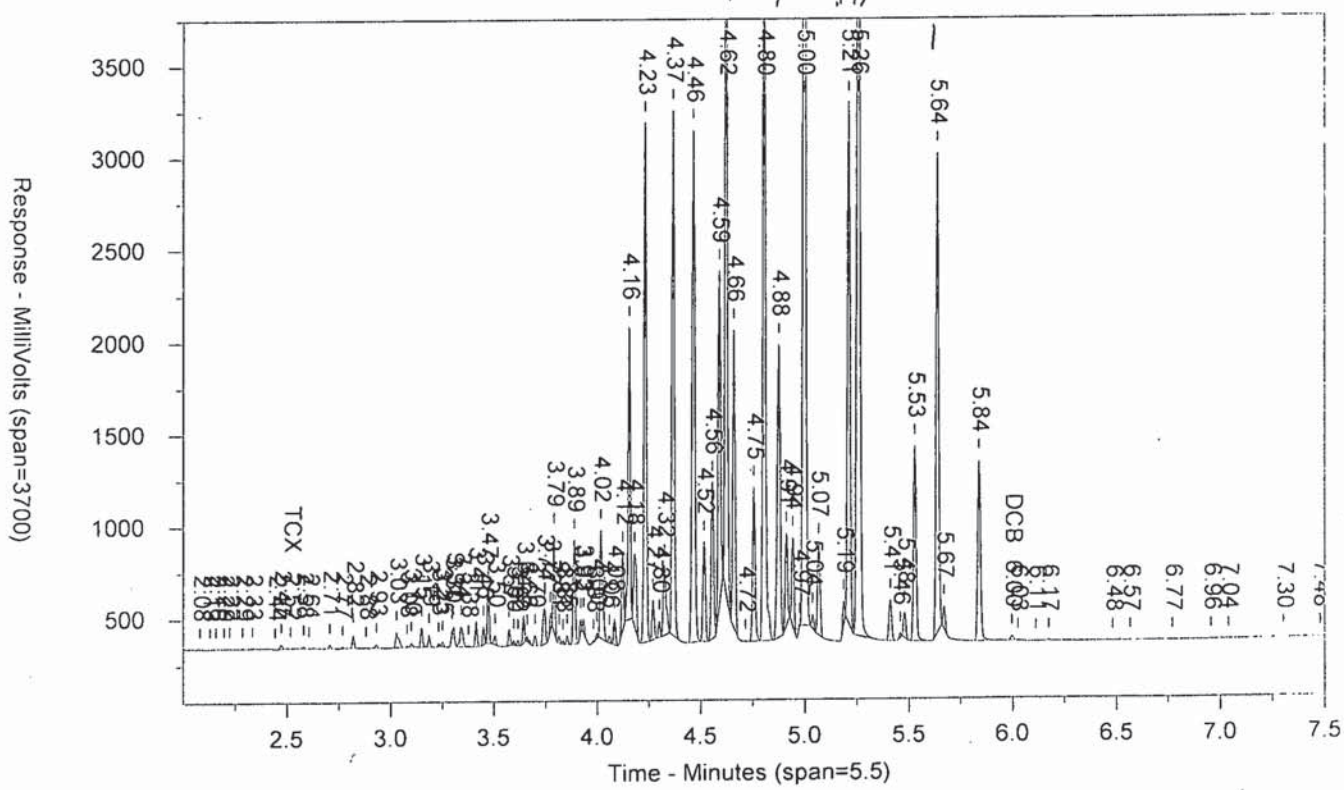

LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:31:04 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: .5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.882	6163	.047	TCX	2.517	1645	.004	TCX
6.544	11308	.09	DCB	5.996	26432	.098	DCB

Files:
Area File: 07PCBS16283001.0022.RAW
Area File: 07PCBS16283001B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 5:39:43 PM
File Reported On: 10/9/2016 at 5:39:53 PM

AR6231624A AAAR623AA ICAL 1628299999 10736 SW-846 8082

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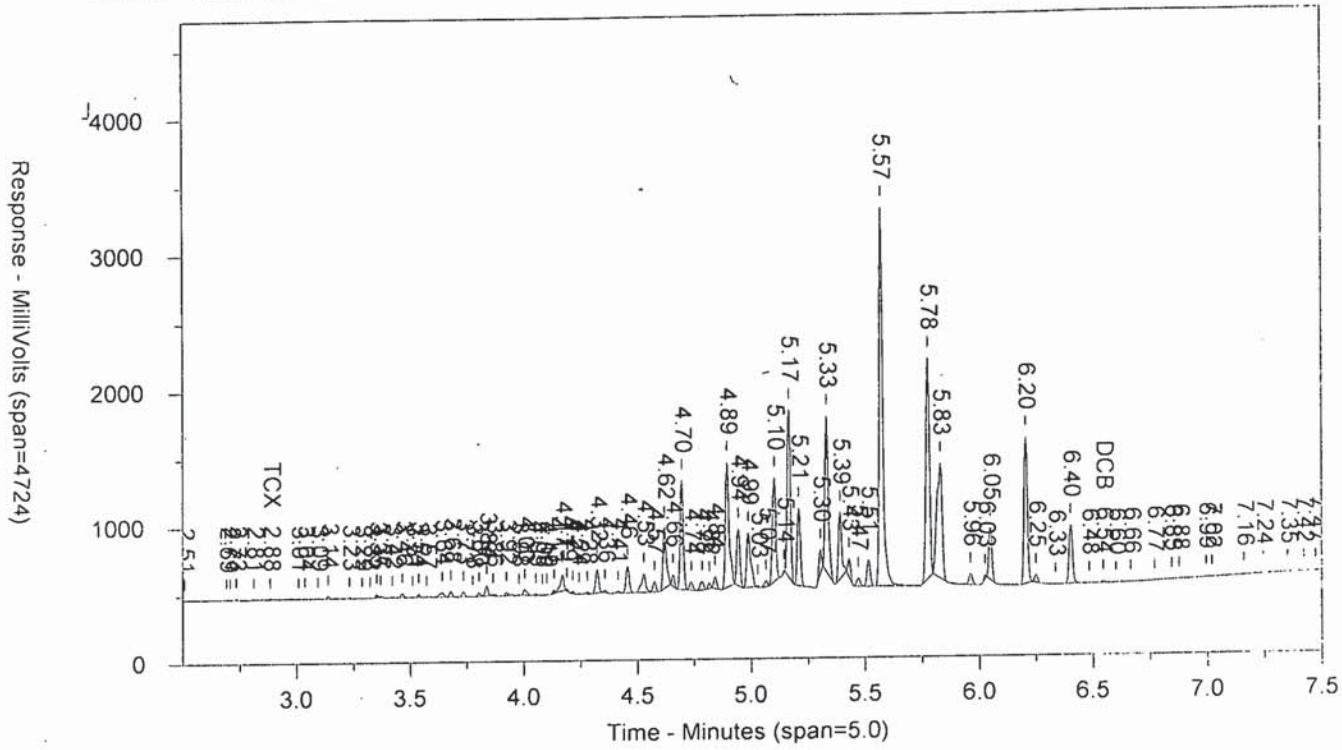

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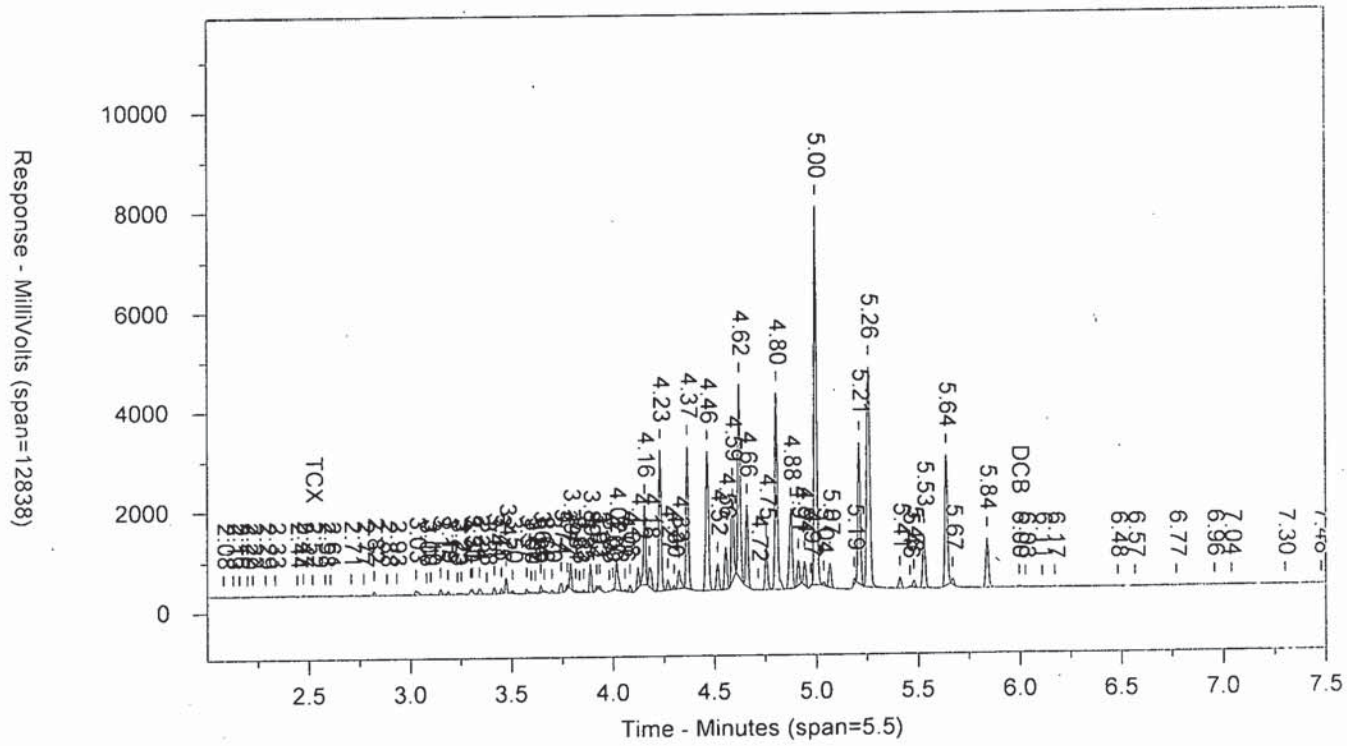

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:42:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.671		1235	1198
1.702		1686	789
1.8		1212	492
1.876		1371	1109
1.987		3776	15464
2.065		6040	15222
2.114		3866	8187
2.27		6969	5834
2.409		818	2067
2.529		1327	1231
2.656		1625	1227
2.733		3330	2577
2.782		1641	680
2.815		1199	2073
2.883	TCX	2130	1684
3.137		7649	5366
3.232		4430	4100
3.351		4628	2985
3.419		3757	2331
3.464		13644	9365
3.537		7919	7216
3.587		1534	1932
3.63		2522	946
3.641		3244	2341
3.68		20173	15773
3.734		13179	10573
3.776		2974	2058
3.802		6348	5105
3.836		13611	12338
3.866		2834	1553
3.926		8876	11573
3.979		2632	1510
4.004		20243	23331
4.054		11558	9297
4.132		6667	3740
4.154		43343	52814
4.191		17447	12268
4.215		9762	6322
4.244		4461	3689
4.271		2136	1808
4.318		26165	24524
4.415		15991	15913
4.457		122727	123658
4.514		39917	45744
4.574		6753	5957
4.62		10684	10092
4.659		22020	19730
4.696		31552	28241
4.737		89235	86817
4.781		34793	33010
4.818		165744	159294
4.857		2350	2094
4.912		15391	19084

RT A	Compound A	Height A	Area A
4.944		74886	72357
4.99		5540	5055
5.004		8817	6364
5.058		65366	64745
5.101		26457	27902
5.145		48609	32134
5.166		374945	344883
5.21		54013	49896
5.256		4763	7332
5.305		48629	38794
5.345		586516	751212
5.41		187099	230949
5.47		108930	113732
5.515		13845	13275
5.572		155213	122145
5.591		161991	120408
5.729		1322	701
5.773		2982916	3024394
5.831		2667193	2976500
5.962		2497553	2529954
6.026		566712	531426
6.048		43257	29305
6.204		1071421	1111315
6.247		3807	2488
6.402		9457600	9830939
6.545	DCB	1938139	2083743
6.621		4336	4234
6.855		7675	14800
6.99		929	2206
7.172		1776	1650
7.27		1843	2640
7.304		1536	1683
7.326		1159	738
7.411		1370	2218
7.488		1229	3391
7.537		1545	1561
7.648		1180	496
7.746		1200	1735
7.794		1294	595
7.844		1614	1014
7.861		1417	1212
7.968		1274	1163
8.035		1231	2672
8.078		1014	851
8.112		1967	1055
8.15		1650	936
8.207		1115	904
8.243		1258	1270
8.329		1560	1412
8.339		1294	557
8.383		1275	1008
8.426		2368	2219
8.503		1256	388
8.587		8728	20874

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:42:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.508		2414	1166
1.579		1073	1590
1.627		1227	1268
1.672		2899	2092
1.731		6573	19468
1.799		7211	21100
1.847		24661	26467
1.921		9131	38546
2.034		1742	2411
2.078		1595	3481
2.129		2096	2050
2.159		2600	4671
2.221		1362	1158
2.284		2556	2444
2.334		2363	4138
2.443		1678	822
2.472		7749	6714
2.579		3977	3549
2.622		1282	1904
2.708		4617	2794
2.772		1690	890
2.82		26721	17045
2.932		10660	7329
3.027		16386	20098
3.077		2459	1246
3.1		11104	11681
3.15		48021	32504
3.185		17672	10928
3.235		4945	2945
3.251		7400	4009
3.297		6858	3401
3.305		9813	4388
3.346		50638	48138
3.376		3312	2656
3.413		50182	32736
3.449		23347	18026
3.472		59510	33181
3.505		41372	32836
3.573		29571	18724
3.595		13436	7453
3.615		10117	5603
3.644		62622	34894
3.661		9971	3685
3.673		10075	4507
3.7		47185	31575
3.745		174731	130840
3.773		90779	56416
3.792		79132	45735
3.815		27780	16739
3.855		3674	1928
3.872		2843	1316
3.888		10310	6266
3.922		15400	8839
3.934		52136	30086

3.982		5491	3894
3.999		34204	18751
4.018		389808	305433
4.059		123186	79619
4.084		16085	10960
4.123		28587	22404
4.142		7811	3672
4.156		27267	15288
4.185		16461	16314
4.233		183175	148491
4.27		297285	223055
4.299		8308	5136
4.321		49395	27474
4.338		486363	353992
4.367		12352	6103
4.464		305181	270676
4.516		91917	78000
4.56		260382	212004
4.59		58933	45064
4.622		1366758	1335087
4.659		137669	92903
4.755		208548	170449
4.804		2245062	1859538
4.829		36965	19121
4.868		575250	554127
4.912		21687	13851
4.927		7562	2747
4.945		268697	217753
4.997		739420	676513
5.068		756018	671992
5.147		3150	2474
5.188		63830	42253
5.211		7462875	6551808
5.26		7732528	6699076
5.41		6485332	5622312
5.479		1678862	1487925
5.529		349511	315387
5.639		2528907	2440275
5.761		11308	12494
5.838		21049620	18613240
5.996	DCB	4109348	3734270
6.172		11954	14875
6.333		10929	10227
6.517		1109	541
6.565		2350	3788
6.723		2423	3074
6.777		979	633
6.941		1630	1489
7.318		1907	6320
7.683		600	363
8.244		2468	6963
8.406		979	536

AR6831624B AAAR683AA ICAL 1628299999 10736 SW-846 8082

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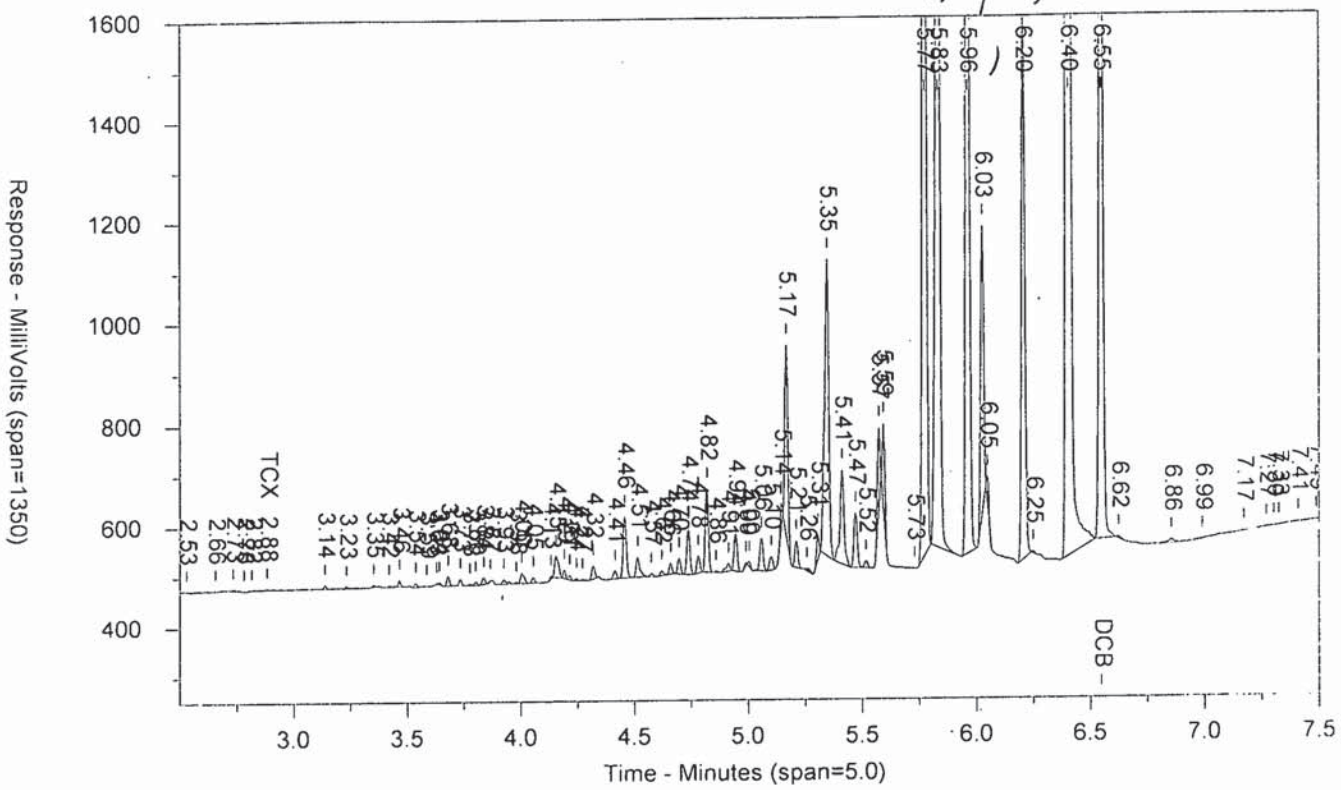

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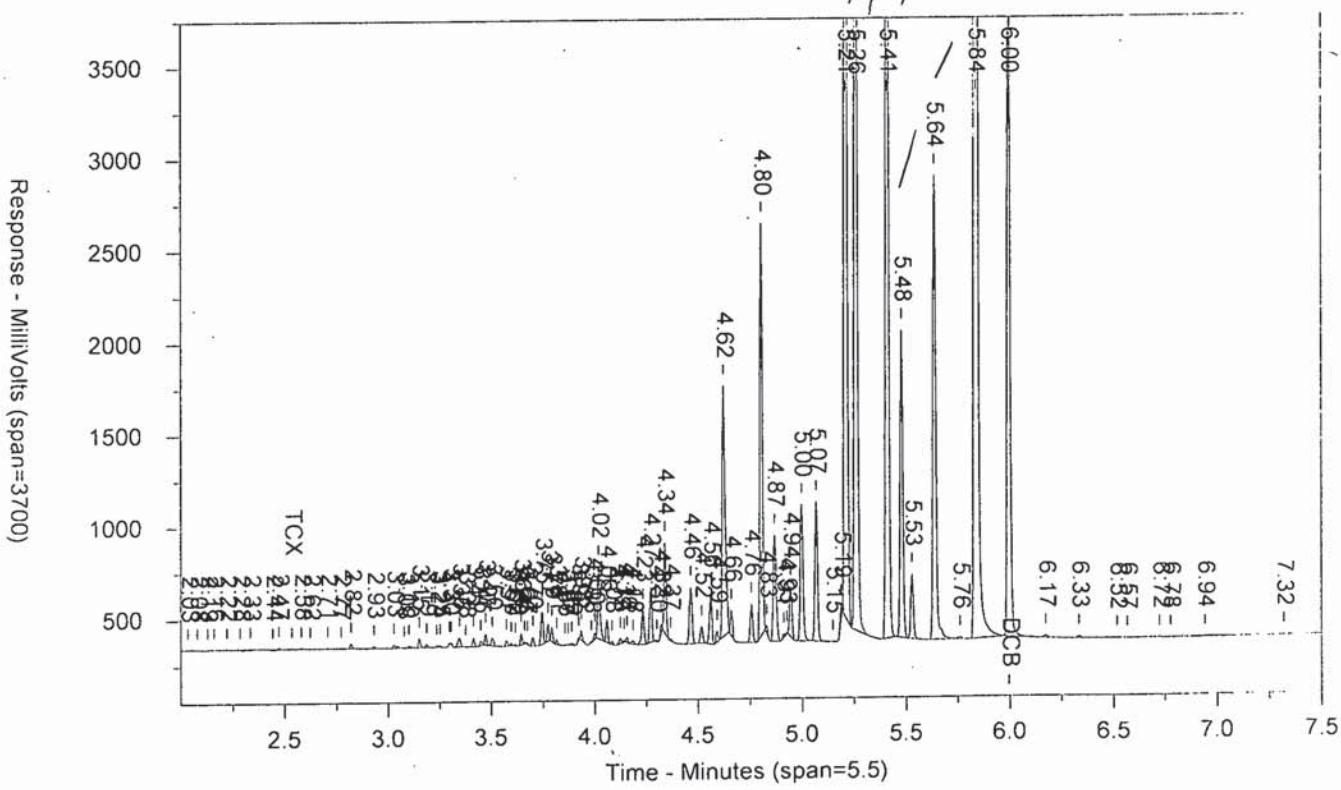

LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:42:29 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.883	2130	.016	TCX		0		TCX
6.545	1938139	15.422	DCB	5.996	4109348	15.303	DCB

Files:
Area File: 07PCBS16283001.0023.RAW
Area File: 07PCBS16283001B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 5:51:11 PM
File Reported On: 10/9/2016 at 5:55:31 PM

AR6831624B AAAR683AA ICAL 1628299999 10736 SW-846 8082

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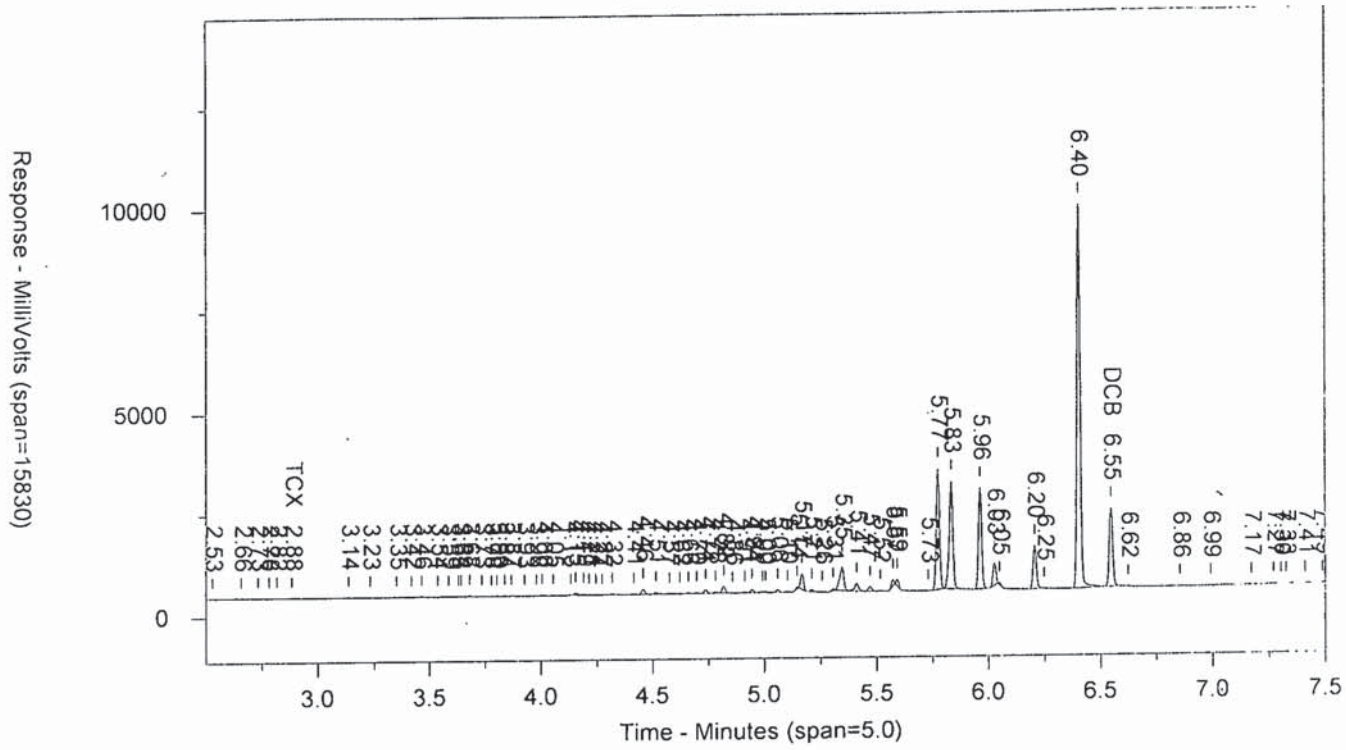

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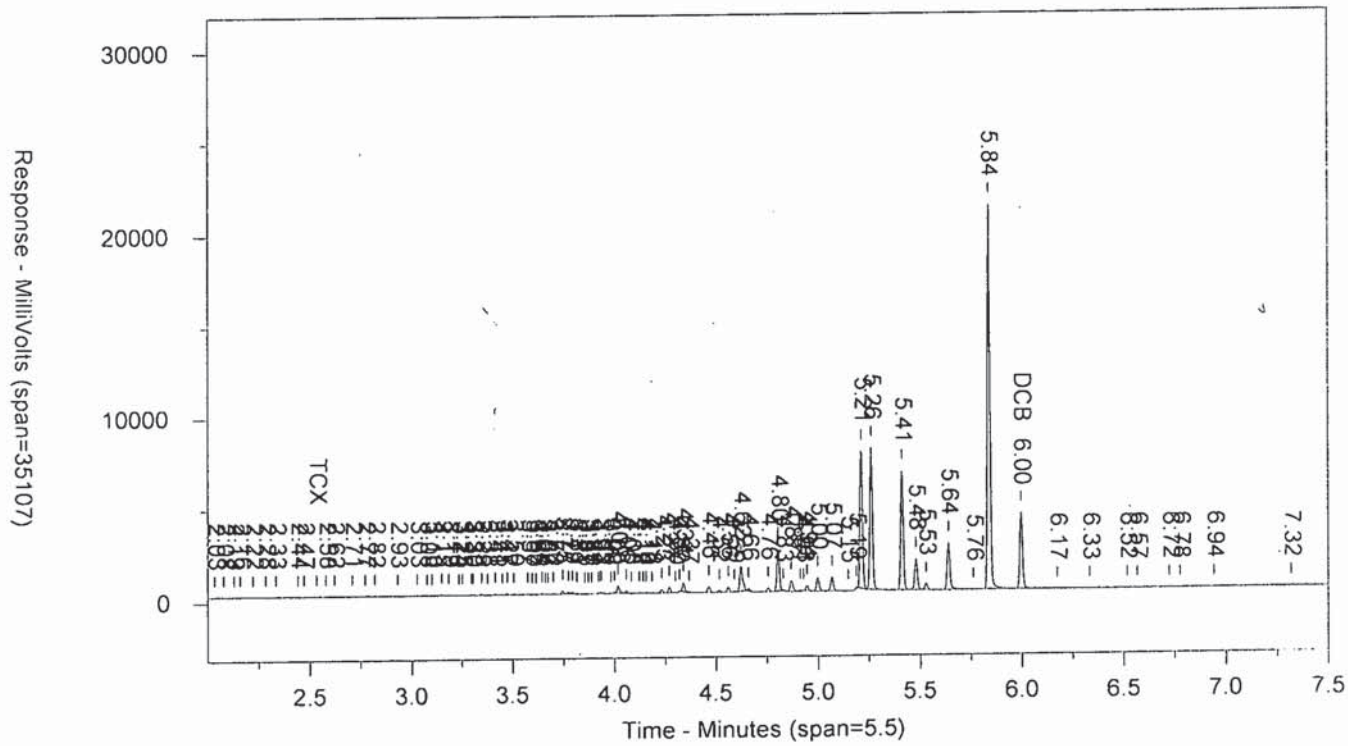

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:53:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.508		1373	925
1.598		1897	2427
1.685		3290	2652
1.948		4617	7296
1.973		3178	3677
2.06		8220	18975
2.109		2063	2254
2.177		37798	49645
2.271		9689	8745
2.288		13727	10126
2.384		3765	9794
2.524		188074	144815
2.68		1264	947
2.734		7280	8891
2.784		1236	771
2.801		54153	37384
2.881	TCX	6366245	4270877
3.035		237910	192917
3.091		186562	176223
3.138		627252	453022
3.209		10885	6487
3.23		4771	3465
3.351		30669	17773
3.376		15696	14714
3.419		2287	806
3.435		72544	47758
3.464		42058	30437
3.519		12775	7888
3.536		4417	2659
3.573		8925	4620
3.587		9871	5182
3.631		9309	6007
3.641		33394	18361
3.677		58444	43461
3.736		33300	25608
3.802		15094	11057
3.83		6664	5845
3.903		1190	621
3.925		11377	8405
3.95		3104	2339
3.977		2890	1913
4.015		16844	18672
4.052		4966	6242
4.135		1433	1012
4.17		15003	10518
4.19		12191	7464
4.214		8835	5779
4.241		4364	3301
4.283		3760	2926
4.321		26336	26968
4.357		5380	3628
4.411		3231	2437
4.461		15420	16346

RT A	Compound A	Height A	Area A
4.513		25343	23576
4.575		23630	22111
4.625		2671	2604
4.658		6812	5778
4.696		8547	8557
4.738		3829	5259
4.787		13014	12839
4.817		69231	61154
4.863		1069	725
4.896		5102	3418
4.911		3828	2571
4.944		6030	5217
4.986		6098	5352
5.057		95083	96482
5.103		13311	11994
5.143		4472	4436
5.212		1941	2459
5.313		3096	3696
5.329		2171	1800
5.411		5135	6458
5.469		69568	69403
5.591		114211	123080
5.778		5526	6603
5.821		3918	5402
5.864		2512	3772
5.962		98364	100932
6.026		112666	96729
6.048		16463	10736
6.206		2696	3721
6.259		1098	356
6.29		1513	731
6.332		2222	2635
6.37		1568	1194
6.402		60683	62531
6.545	DCB	5811567	6037249
6.656		4757	7116
6.848		3435	6544
6.957		1211	538
6.993		6679	7659
7.028		1722	1335
7.059		1365	482
7.118		1835	2156
7.211		1560	3739
7.283		1201	1731
7.341		1194	1241
7.44		1253	6542
7.512		1165	2661
7.622		1083	2415
7.72		1897	752
7.754		908	1613
7.798		1094	635
7.83		1286	1350
7.903		657	272
7.944		1075	347
7.984		2170	3120
8.219		1429	3434
8.267		1778	1971
8.426		2158	2381
8.5		1858	3251
8.587		8607	21544
8.676		9578	14693

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:53:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.51		3854	2413
1.565		992	1083
1.651		5003	7915
1.733		9098	26514
1.798		12920	35873
1.85		106882	100612
1.924		20022	69912
1.976		40360	46299
2.034		2541	2810
2.066		4262	4703
2.104		2320	1112
2.128		2514	2199
2.159		2104	2646
2.22		514026	369486
2.334		1998	2764
2.416		3231	3928
2.445		6479	3667
2.471		14468	7641
2.491		163387	100994
2.534	TCX	19291910	11695480
2.578		200401	168551
2.706		829521	538354
2.751		175848	86297
2.767		482099	276245
2.819		1982154	1244717
2.867		36566	22182
2.93		19183	13929
2.992		1762	709
3.008		4625	2711
3.027		78835	37083
3.038		11800	3643
3.047		44069	16680
3.069		67724	48399
3.099		14194	7432
3.124		235374	137304
3.148		147122	89820
3.185		15179	8744
3.212		40996	22479
3.232		36443	17508
3.247		43988	26002
3.305		231623	223560
3.339		160453	130655
3.376		4707	3342
3.412		121756	76470
3.449		54922	33708
3.471		39560	21656
3.488		6940	2822
3.506		5113	2899
3.573		44539	27107
3.595		17456	10077
3.616		13568	7417
3.643		20805	11929
3.661		53689	36089
3.7		18245	12710

3.746		11647	7896
3.769		19637	12643
3.791		107502	70392
3.815		31219	17669
3.854		13864	8995
3.888		68299	44360
3.92		28003	15980
3.934		20594	13400
3.984		6050	3517
3.998		6567	3482
4.028		20065	27374
4.058		45366	27380
4.083		47001	32777
4.122		11833	13880
4.141		77284	54834
4.178		5986	5454
4.232		54160	43588
4.27		10646	7664
4.3		35745	23654
4.338		210000	166513
4.366		20795	12221
4.39		1727	1683
4.461		42301	43900
4.514		43095	38044
4.56		296548	238960
4.59		35131	28484
4.634		12214	10612
4.656		2733	1555
4.742		5465	12678
4.804		17356	13703
4.827		12987	9162
4.869		27648	29140
4.912		6033	3940
4.945		172676	148491
4.974		1483	726
4.996		8645	6897
5.067		323604	282551
5.187		2359	1520
5.211		7055	6466
5.258		16569	16159
5.337		1226	650
5.41		259287	236092
5.479		326679	293971
5.528		94552	79714
5.637		4212	4118
5.721		1260	1227
5.761		899	800
5.791		2878	2579
5.838		142944	124463
5.866		3003	1661
5.996	DCB	11826740	10562740
6.334		1965	1657
6.4		1004	1096
6.45		10829	12407
6.514		1057	483
6.583		1192	2048
6.62		1480	1584
6.789		1187	881
6.954		3806	5403
7.202		906	1591
7.525		997	1456
8.014		1408	2470
8.224		1124	1809
8.371		768	1013
8.43		1679	3577
8.664		928	732

AR2131624A AAAR213AA ICAL 1628299999 10736 SW-846 8082

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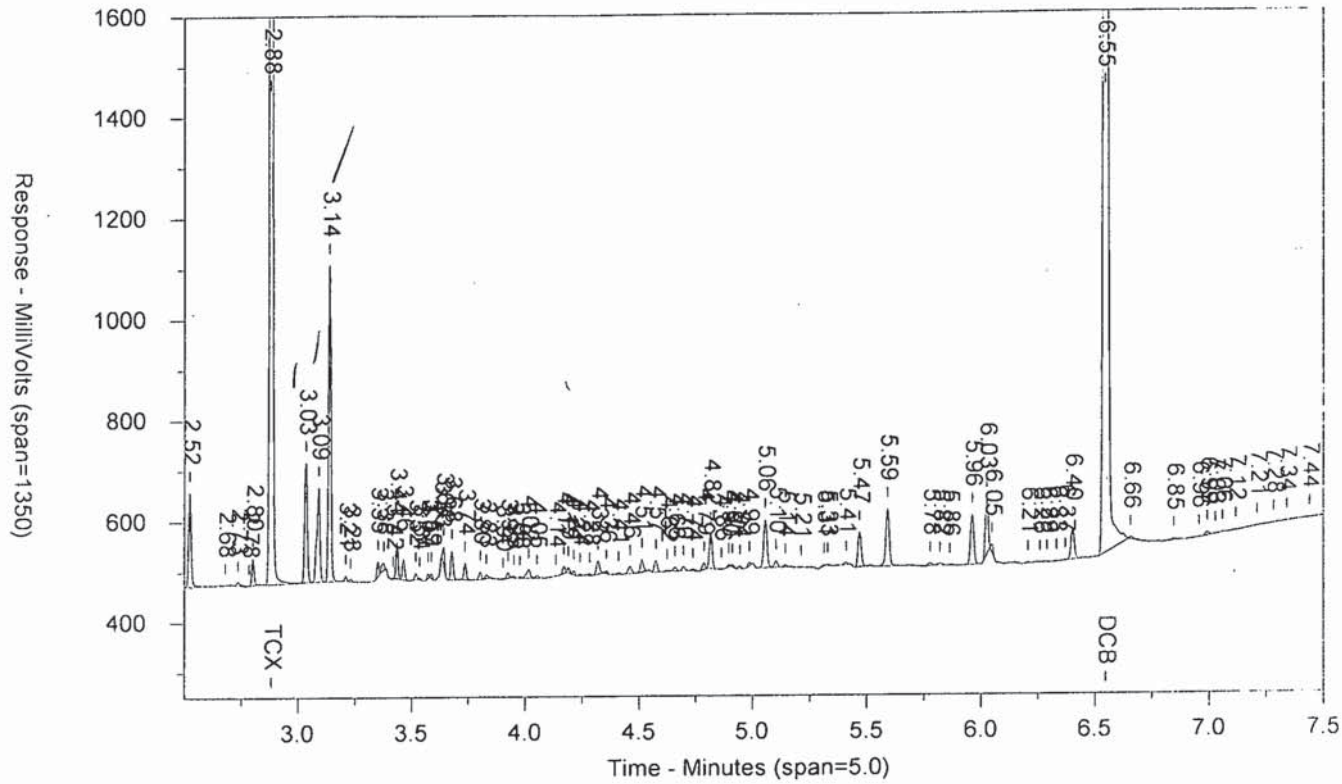

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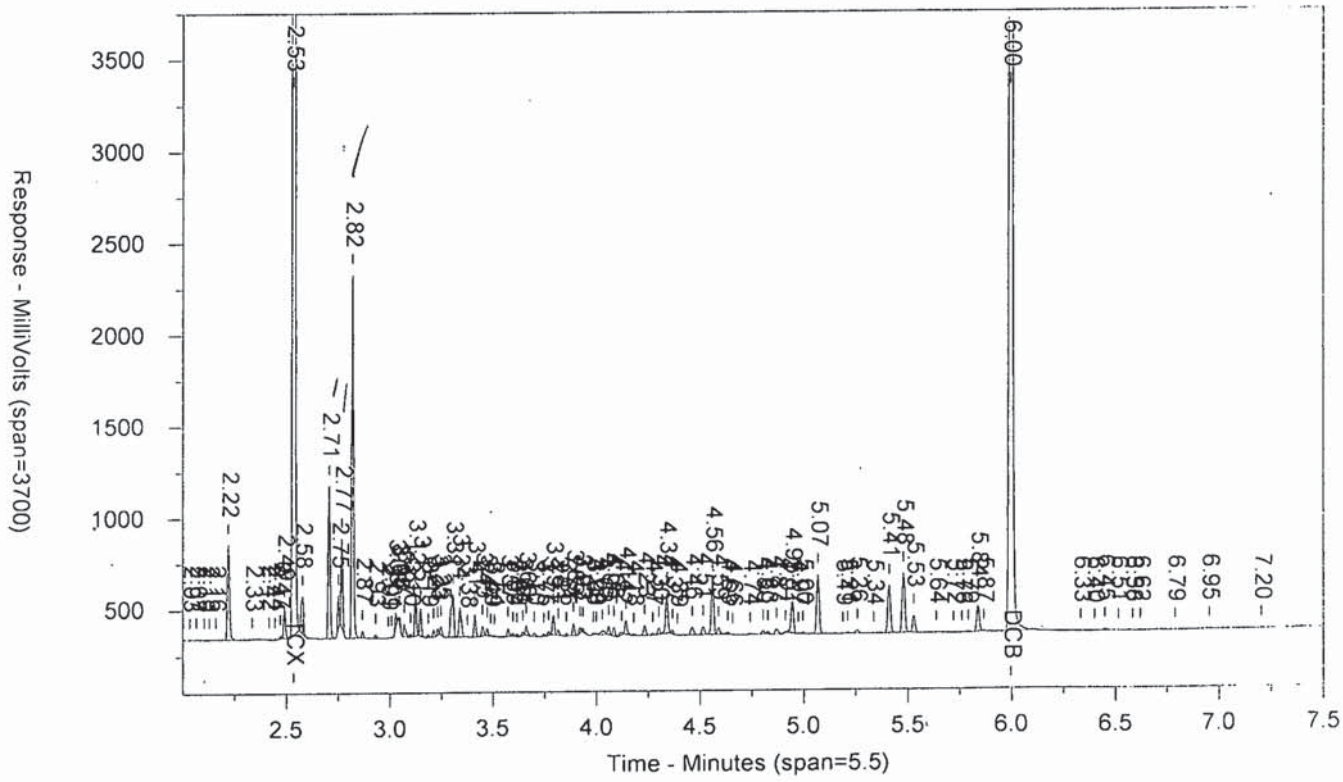

LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 5:53:43 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.881	6366245	48.469	TCX	2.534	19291910	46.821	TCX
6.545	5811567	46.244	DCB	5.996	11826740	44.041	DCB

Files:
Area File: 07PCBS16283001.0024.RAW
Area File: 07PCBS16283001B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 6:02:27 PM
File Reported On: 10/9/2016 at 6:02:37 PM

AR2131624A AAAR213AA ICAL 1628299999 10736 SW-846 8082

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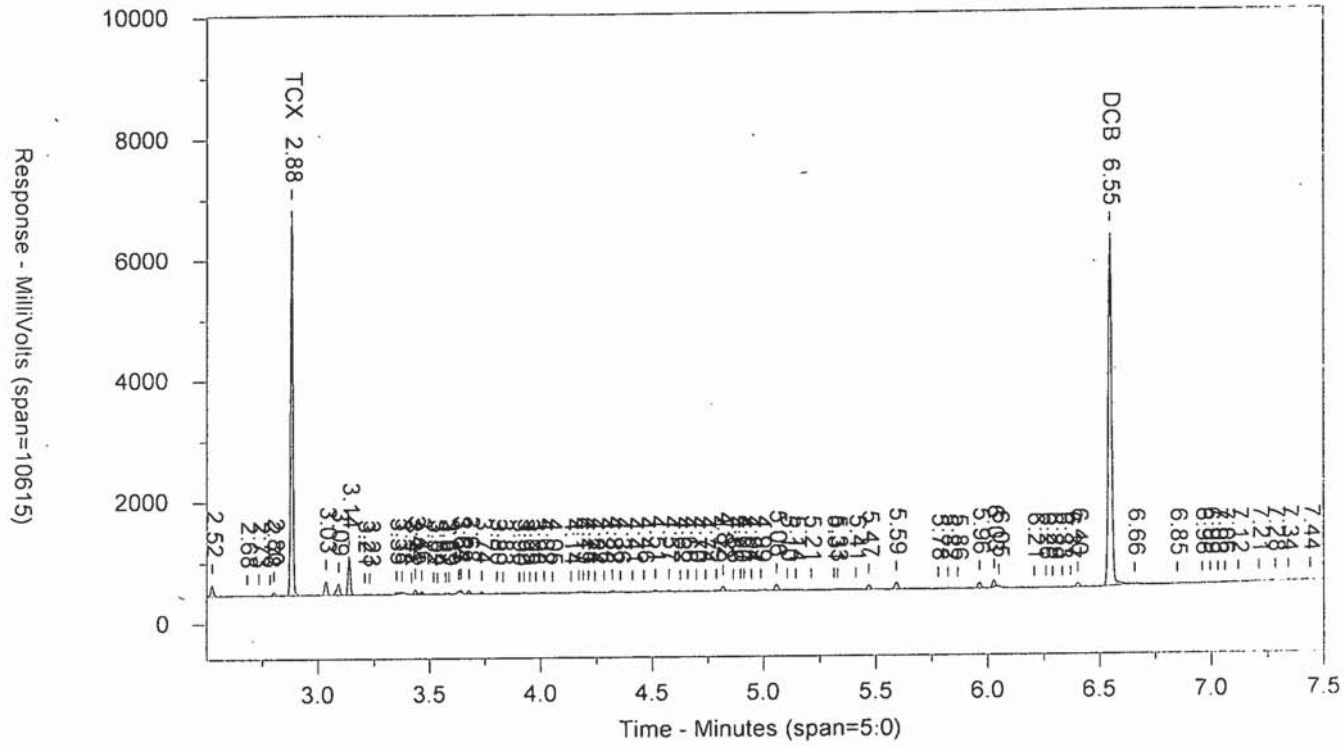

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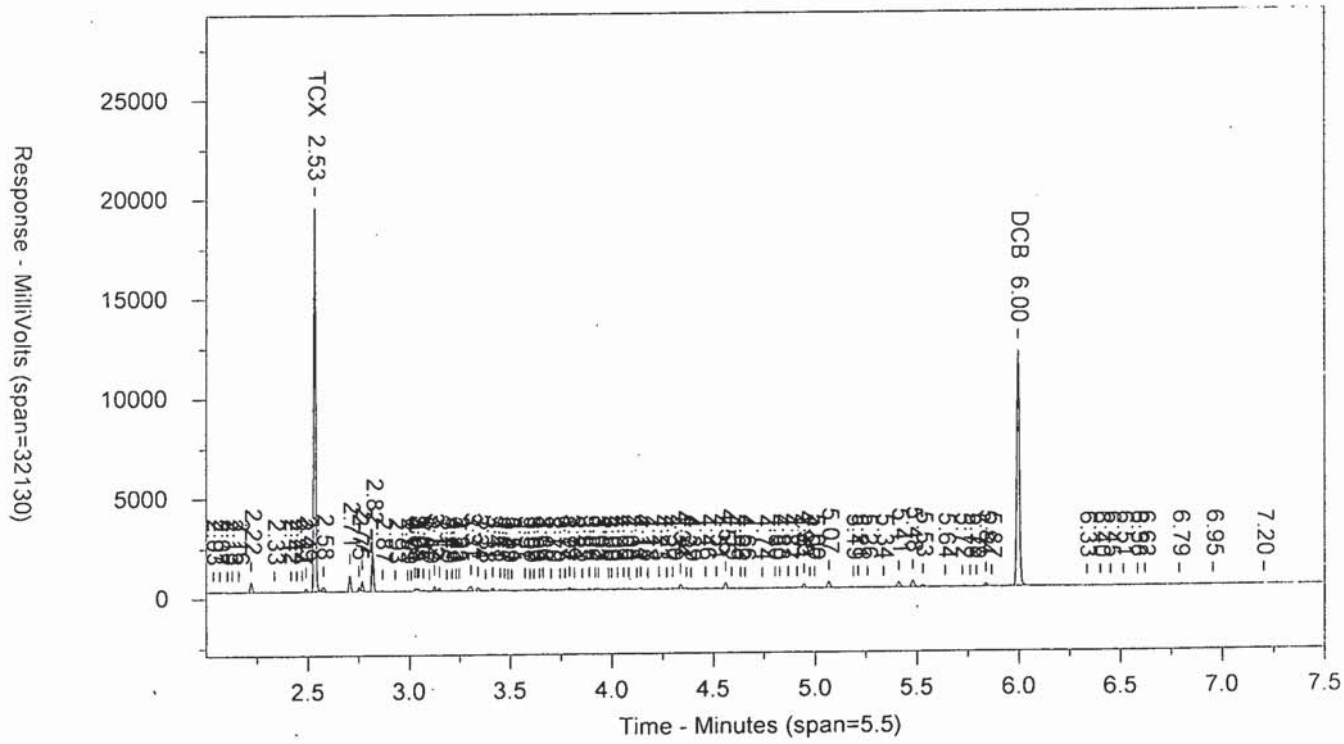

LANCASTER LABORATORIES

Sample Number: AR3231624D AAAR323AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:05:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		6785	9890
1.664		1301	1387
1.686		2551	3859
1.765		1684	1915
1.949		4986	8596
2.059		8834	19382
2.112		1193	508
2.177		29306	34240
2.27		15857	13680
2.288		16470	15461
2.311		6728	7565
2.334		7854	6715
2.349		8664	12509
2.386		5027	4460
2.461		1504	1450
2.524		106599	82907
2.631		1381	2108
2.676		1914	1981
2.735		15019	17426
2.801		32890	29478
2.881	TCX	5538715	3815859
3.035		175110	146666
3.091		140642	139928
3.138		522766	373263
3.209		9658	5771
3.23		26421	18180
3.351		199991	120889
3.367		89862	47640
3.403		20611	10513
3.419		9101	3780
3.435		45685	27681
3.465		250946	184761
3.499		1562	774
3.52		11215	6583
3.537		18630	11868
3.574		47760	27371
3.587		25487	11839
3.632		81079	50886
3.642		222690	112331
3.678		309019	238563
3.736		212269	169475
3.776		15019	10438
3.802		128313	95262
3.83		102314	86026
3.85		26328	13827
3.925		146452	109997
3.948		50193	33442
3.979		59159	42674
4.015		157315	166217
4.053		52956	45803
4.099		9265	7043
4.137		11333	8570
4.171		89983	64096

RT A	Compound A	Height A	Area A
4.191		126457	80653
4.214		150916	110303
4.275		9943	10902
4.319		119093	95167
4.341		54402	41028
4.395		1170	773
4.416		3778	2945
4.462		31425	30980
4.514		42419	37729
4.545		18594	13583
4.575		54925	49514
4.618		2857	2500
4.658		33348	30467
4.696		7078	7530
4.746		7373	8128
4.787		35109	30977
4.817		56985	48538
4.867		3664	3073
4.894		4694	3590
4.942		5245	4372
4.987		40171	46352
5.057		82262	83014
5.103		11482	10996
5.142		4411	4111
5.163		2754	2419
5.209		3000	2495
5.33		6185	11521
5.393		1492	1165
5.406		4246	7529
5.469		60734	61481
5.515		2797	3329
5.591		98432	108365
5.677		1255	1073
5.776		8272	9548
5.819		2639	2397
5.867		2464	2257
5.962		85254	88161
6.026		94376	85033
6.05		16182	9938
6.134		1125	1564
6.208		3503	4450
6.359		725	3669
6.402		52690	56044
6.491		1087	1836
6.545	DCB	4930856	5248204
6.658		2934	2731
6.757		1682	1314
6.849		3538	7642
6.942		1322	1383
6.994		5463	7246
7.101		1593	3524
7.148		1483	2608
7.22		1151	2420
7.279		554	954
7.372		1638	3245
7.442		1548	4228
7.47		1267	582
7.563		1448	1357
7.59		1274	831
7.717		1337	1641
7.803		1415	1606
7.844		1237	554
7.979		1742	3703
8.057		1152	414
8.101		2068	2367
8.261		1052	1072

RT A	Compound A	Height A	Area A
8.34		1301	1510
8.48		1187	581
8.505		1743	2062
8.585		7791	16326
8.67		8104	19179

LANCASTER LABORATORIES

Sample Number: AR3231624D AAAR323AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:05:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.509		1468	928
1.572		2679	3965
1.633		902	1429
1.713		1445	5242
1.768		5844	7996
1.79		5037	4710
1.849		95068	70766
1.926		13875	36064
1.975		29972	22444
2.066		3730	4686
2.105		4181	2130
2.129		4239	4239
2.158		1899	2617
2.22		305951	214752
2.332		5458	6276
2.421		5093	4428
2.443		4061	2043
2.472		29991	16678
2.491		88256	50841
2.534	TCX	17224940	10517170
2.578		166165	135429
2.707		627262	411637
2.752		160337	80274
2.767		342458	194851
2.819		1633727	1040819
2.867		32867	18810
2.93		94596	58752
3.008		2632	1256
3.027		817388	839132
3.078		103174	77942
3.099		60370	32984
3.124		162498	94266
3.148		845895	539519
3.185		65112	36853
3.212		36227	18451
3.232		193913	99203
3.247		116219	59584
3.297		320568	159627
3.305		685368	300269
3.339		876016	693792
3.375		3486	2014
3.412		789415	501895
3.449		472385	300166
3.472		545640	298677
3.489		164627	78436
3.573		586759	377695
3.595		243302	130815
3.616		235175	138194
3.644		168413	85872
3.661		558036	330475
3.7		217217	152485
3.747		39782	26126
3.769		352364	217696
3.792		675423	422938

3.815		579264	377147
3.854		22127	11650
3.872		15494	6842
3.888		131071	82712
3.921		402140	276630
3.947		241162	143499
3.996		20482	20792
4.029		78845	69495
4.059		36948	22137
4.084		137635	99158
4.115		78255	55099
4.142		193527	139031
4.182		4946	4878
4.232		108739	104505
4.269		22703	16257
4.3		106714	78871
4.339		173379	136056
4.366		17629	9651
4.389		9257	6061
4.462		37794	40534
4.512		114892	101366
4.561		260361	204438
4.589		26526	21400
4.623		2331	1317
4.634		6513	3779
4.656		2959	1992
4.707		2020	3904
4.741		2121	1428
4.805		19868	15755
4.827		9353	6715
4.87		26309	27252
4.913		5744	3876
4.945		148107	128701
4.998		21538	21860
5.067		271684	246072
5.187		1615	1023
5.212		8203	6887
5.256		21813	23783
5.41		235714	212411
5.479		285421	259762
5.529		84650	72614
5.64		5849	5544
5.739		1253	659
5.792		2696	2882
5.839		124486	108998
5.933		926	504
5.996	DCB	10189800	9231928
6.334		1511	1299
6.45		8455	7746
6.581		679	1594
6.623		1551	2332
6.792		829	1201
7.275		1094	1080
7.763		1325	1808
7.855		1019	473
8.008		1589	2494
8.321		938	493
8.421		1056	1333

AR3231624D AAAR323AA ICAL 1628299999 10736 SW-846 8082

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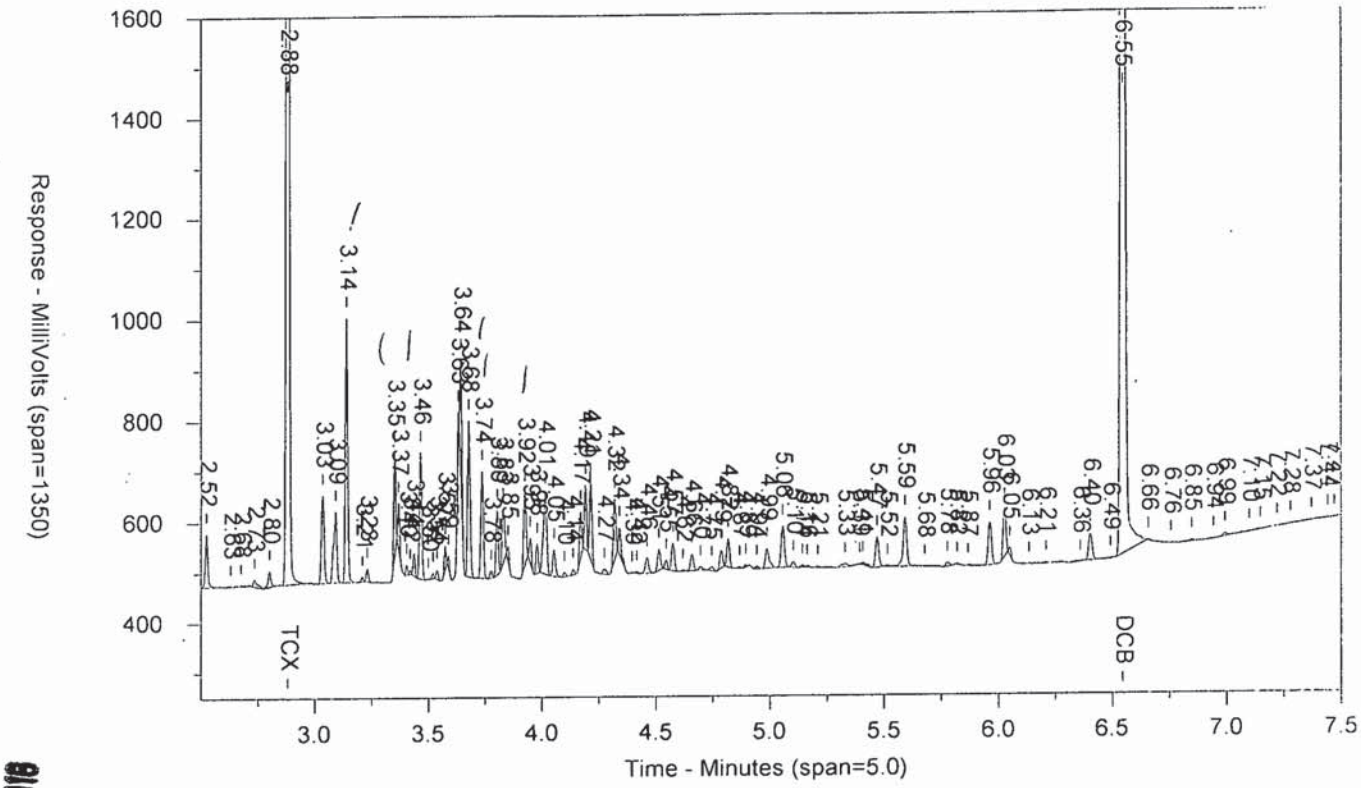

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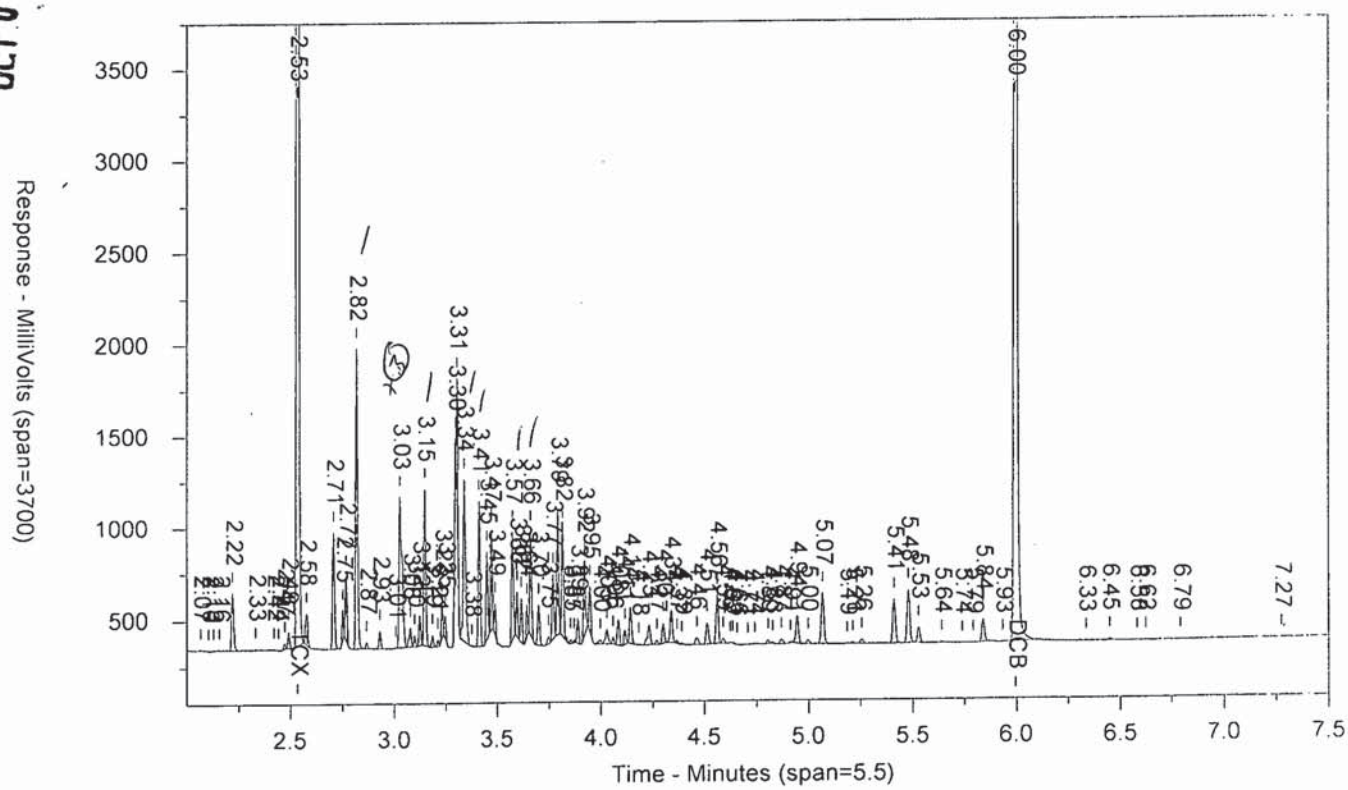

LANCASTER LABORATORIES

Sample Number: AR3231624D AAAR323AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:05:07 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.881	5538715	42.168	TCX	2.534	17224940	41.805	TCX
6.545	4930856	39.236	DCB	5.996	10189800	37.945	DCB

Files:
Area File: 07PCBS16283001.0025.RAW
Area File: 07PCBS16283001B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 6:13:50 PM
File Reported On: 10/9/2016 at 6:14:27 PM

AR3231624D AAAR323AA ICAL 1628299999 10736 SW-846 8082

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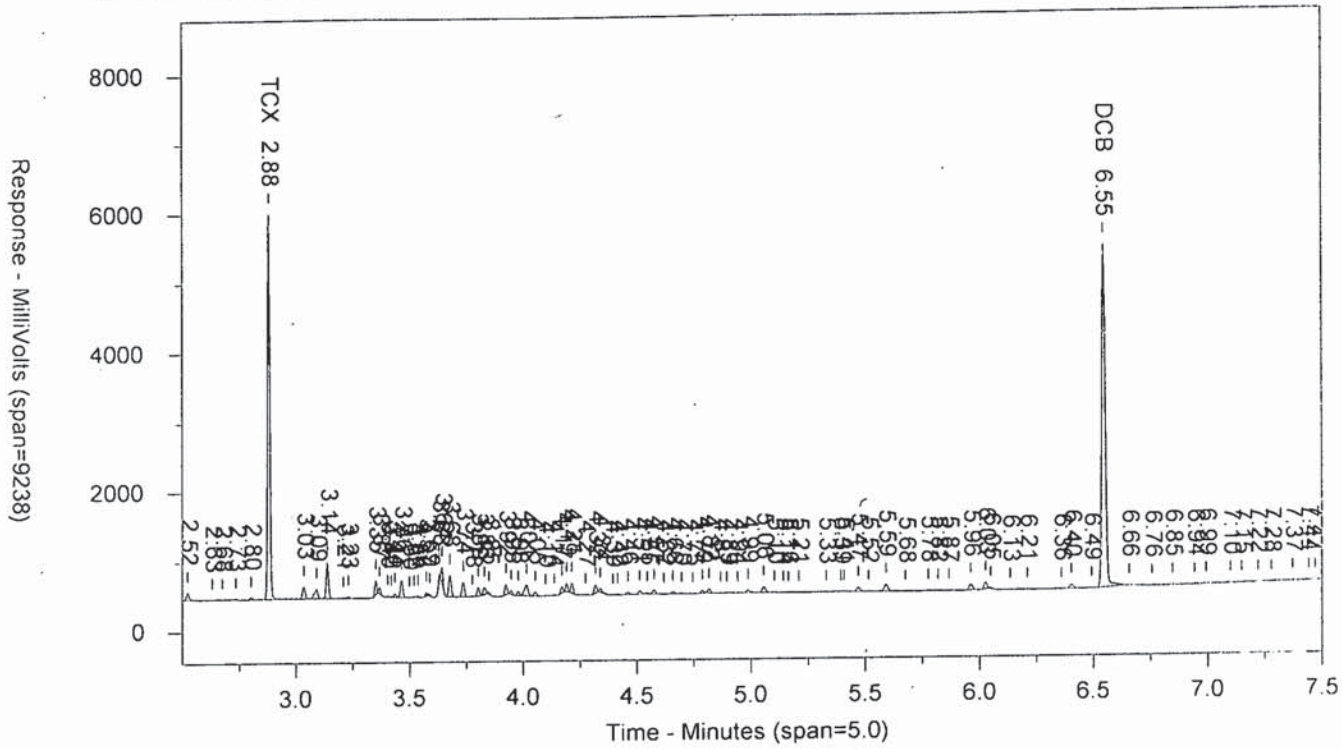

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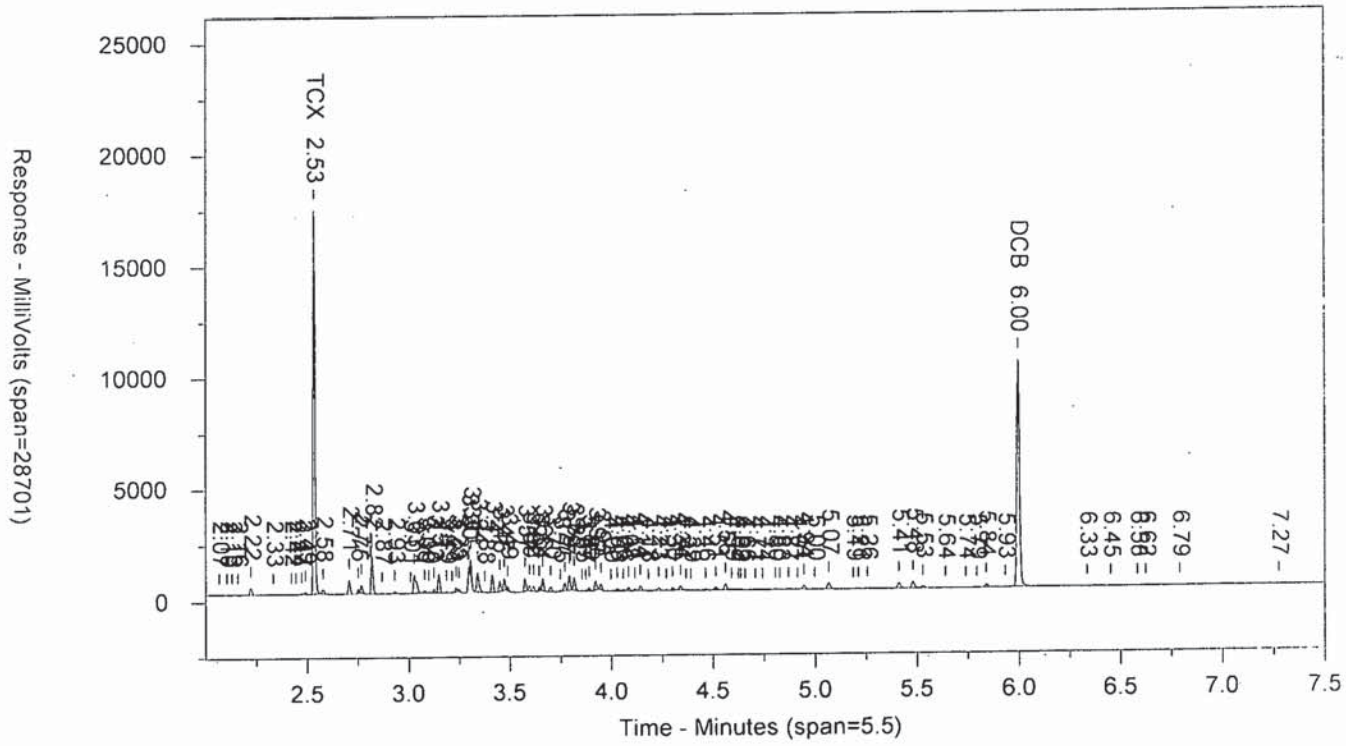

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:16:36 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.548		1561	3645
1.684		2493	2073
1.752		1566	1568
1.835		1188	661
1.948		2956	4303
2.058		9434	22577
2.113		6017	10078
2.147		4558	5135
2.176		26661	23939
2.247		2456	1543
2.27		7822	5907
2.287		10494	7237
2.384		3650	8016
2.512		2446	8940
2.526		10827	10696
2.628		1446	1185
2.735		9331	8950
2.803		2905	2512
2.88	TCX	5528473	3602315
2.968		1649	992
3.034		101709	85343
3.081		22986	12017
3.091		33881	15882
3.139		354333	260712
3.209		8563	5126
3.231		42299	29407
3.278		2784	2581
3.351		331597	200887
3.367		142831	76516
3.403		34522	19219
3.419		17761	8320
3.436		26102	13907
3.465		398911	306629
3.499		2234	1109
3.519		9904	5605
3.538		33782	21490
3.574		75630	43112
3.588		36121	17601
3.632		147710	82828
3.642		349436	180710
3.678		512311	387342
3.736		354306	283556
3.775		30624	21487
3.803		239511	175605
3.83		187709	156628
3.851		51925	27996
3.925		268238	202068
3.949		91848	60698
3.979		107152	78101
4.015		270467	295539
4.054		92111	77964
4.099		18106	13480
4.138		22109	18371

RT A	Compound A	Height A	Area A
4.171		182256	126772
4.191		233150	148014
4.214		270098	201902
4.276		18672	23405
4.319		215473	179184
4.341		94284	77297
4.396		2587	1490
4.419		9316	7218
4.462		59729	56619
4.514		79797	72391
4.545		43755	31343
4.575		119853	107364
4.623		2075	1701
4.659		62299	58381
4.698		7997	10797
4.747		14955	14113
4.788		89065	80179
4.818		47571	40344
4.865		7682	8670
4.894		6067	4177
4.912		5749	3860
4.947		3825	3399
4.988		88495	95146
5.032		1682	960
5.058		76856	76318
5.104		24105	22016
5.144		3032	2230
5.316		12947	19474
5.41		4936	7719
5.47		52756	53840
5.516		6161	5451
5.591		92504	98000
5.686		1469	1257
5.78		5389	5569
5.821		3270	4256
5.875		2062	1741
5.963		85501	87297
6.028		89880	83277
6.049		10472	7028
6.157		1855	3331
6.23		1210	2024
6.246		1470	925
6.335		1808	2455
6.403		51369	54012
6.482		1316	1136
6.507		1598	1220
6.547	DCB	4866059	5068799
6.664		3986	6781
6.811		1233	941
6.848		2751	4920
6.933		678	1150
6.994		4552	5018
7.082		1204	3239
7.22		1358	5373
7.297		1434	4159
7.381		1441	3446
7.485		1785	6304
7.586		1405	1495
7.671		1137	1631
7.779		1239	687
7.822		1181	834
7.899		1043	894
8.003		857	1855
8.102		1146	380
8.159		1820	1653
8.297		940	740

RT A	Compound A	Height A	Area A
8.358		1664	1895
8.429		2755	3908
8.499		1745	1411
8.54		1320	548
8.584		7337	15457

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:16:36 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.509		7714	5328
1.573		3595	3632
1.628		928	1232
1.675		5268	3357
1.701		7745	12554
1.794		10234	31638
1.849		86477	71560
1.929		11235	32849
1.975		28241	20908
2.066		3424	3746
2.132		1494	1438
2.157		2322	3250
2.222		27468	21387
2.28		1940	2417
2.331		3870	8036
2.417		2612	2786
2.471		23236	15022
2.491		4086	1895
2.534	TCX	16388980	9948783
2.579		111353	78406
2.706		362309	238346
2.752		165346	83252
2.767		192865	104977
2.819		1143190	723161
2.868		31466	20231
2.93		151599	94617
2.97		1293	1073
2.994		1598	599
3.027		1349062	1331454
3.079		160340	94424
3.099		104788	57793
3.124		102295	55888
3.148		1320995	883601
3.186		120051	70204
3.212		31695	15624
3.232		298453	156953
3.247		167992	80372
3.297		548352	262622
3.306		1195643	518186
3.327		25276	10898
3.339		1366676	962136
3.412		1328376	834473
3.449		864473	552173
3.472		972997	542600
3.489		287627	138931
3.574		1107146	711983
3.596		419317	222553
3.616		415668	246357
3.644		302112	156431
3.661		957015	579250
3.7		373911	270094
3.748		75530	50891
3.769		619122	394770
3.792		1247266	783050

3.816		1031401	637715
3.834		35658	15374
3.855		50285	26471
3.872		29015	12115
3.889		274335	176651
3.921		755353	524605
3.948		442592	263811
3.995		40204	34160
4.029		174490	143946
4.059		33572	19429
4.084		297834	220835
4.115		172162	121658
4.143		429488	308043
4.18		6602	5956
4.233		199298	194083
4.27		48782	33704
4.301		279128	211800
4.339		153545	114945
4.367		26362	14822
4.389		19237	12928
4.461		47409	51119
4.513		266534	223022
4.561		239149	191113
4.59		76088	68494
4.636		16601	13579
4.738		1813	2157
4.775		3346	2300
4.805		10994	8237
4.828		31102	23455
4.87		20885	22153
4.913		5182	3146
4.946		132417	114584
4.975		11262	7573
4.997		4009	5488
5.068		255692	231622
5.19		1711	1120
5.21		4741	3725
5.257		15129	15477
5.367		1215	1002
5.411		230348	204113
5.48		275866	250757
5.53		73294	64092
5.641		2735	4874
5.791		2045	2290
5.84		119923	104895
5.867		2235	1439
5.961		1018	641
5.997	DCB	10013120	8932174
6.33		1715	1938
6.401		1355	977
6.452		8791	10503
6.593		697	1239
6.726		1552	1499
7.101		914	1294
7.204		828	896
7.303		1214	2245
7.614		846	356
7.913		732	428
8.014		2112	4157
8.228		1188	1731

AR4231624A AAAR423AA ICAL 1628299999 10736 SW-846 8082

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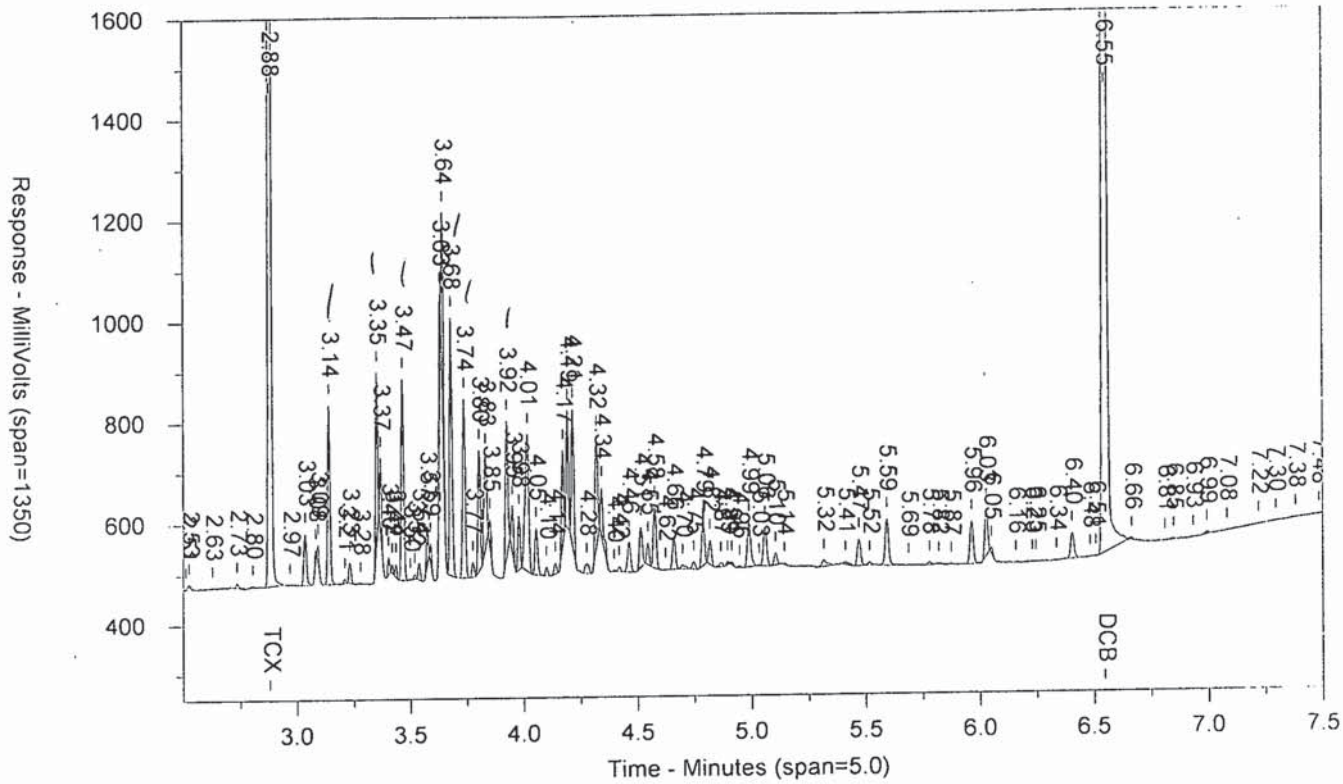

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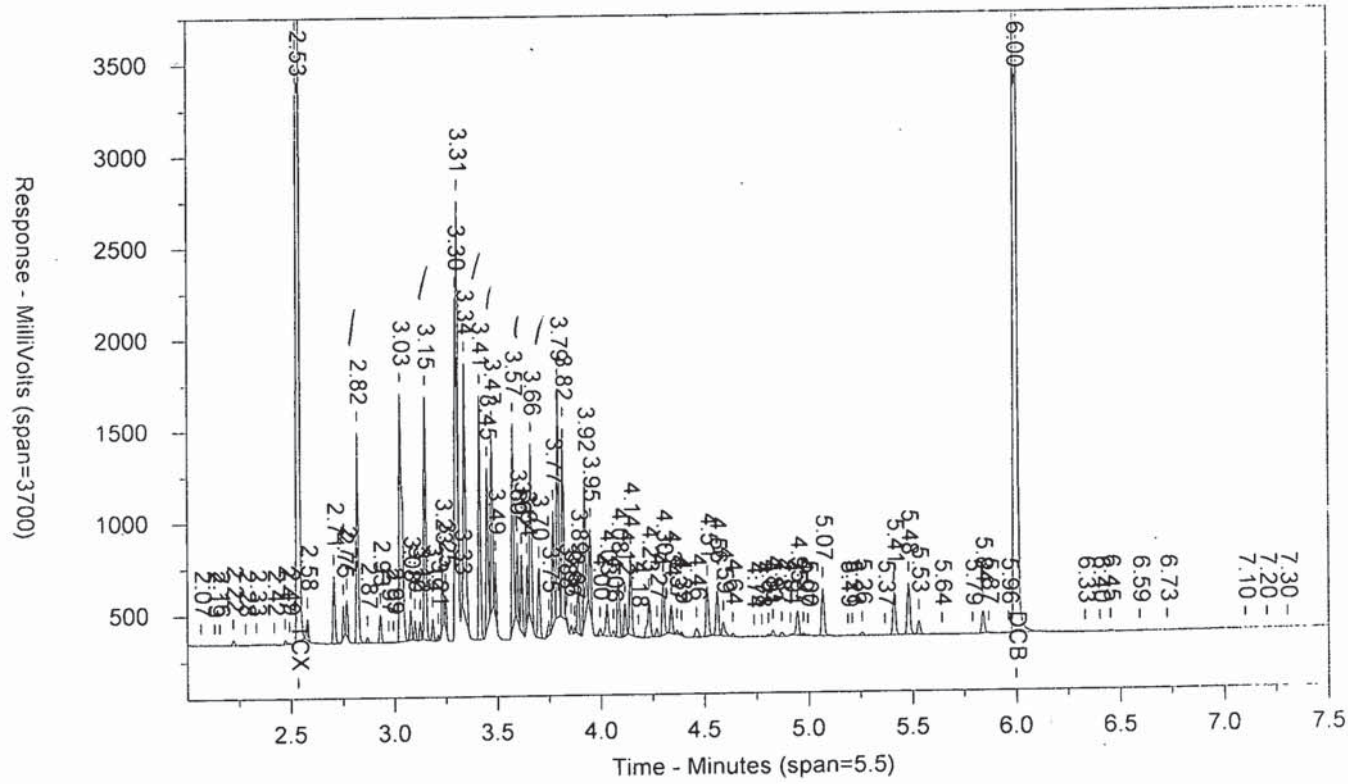

LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:16:36 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	5528473	42.09	TCX	2.534	16388980	39.776	TCX
6.547	4866059	38.721	DCB	5.997	10013120	37.287	DCB

Files:
Area File: 07PCBS16283001.0026.RAW
Area File: 07PCBS16283001B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 6:25:17 PM
File Reported On: 10/9/2016 at 6:25:28 PM

AR4231624A AAAR423AA ICAL 1628299999 10736 SW-846 8082

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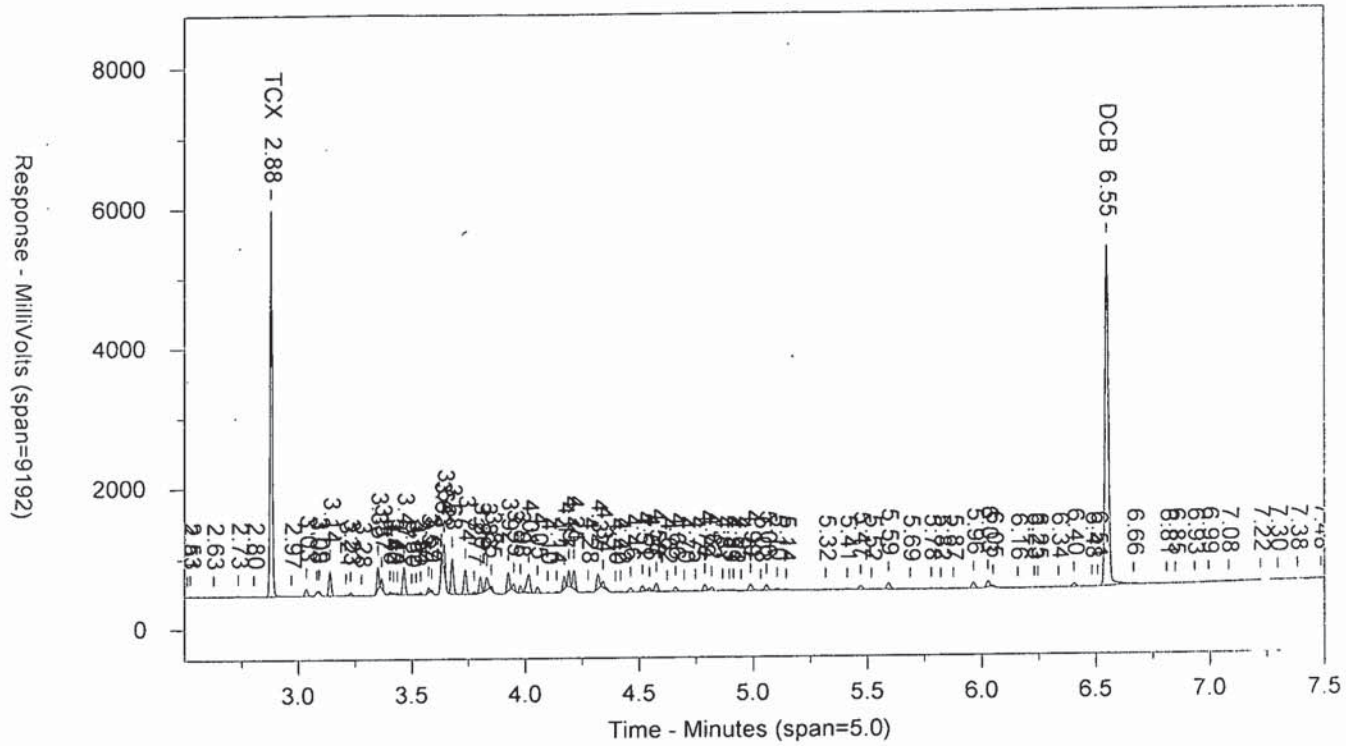

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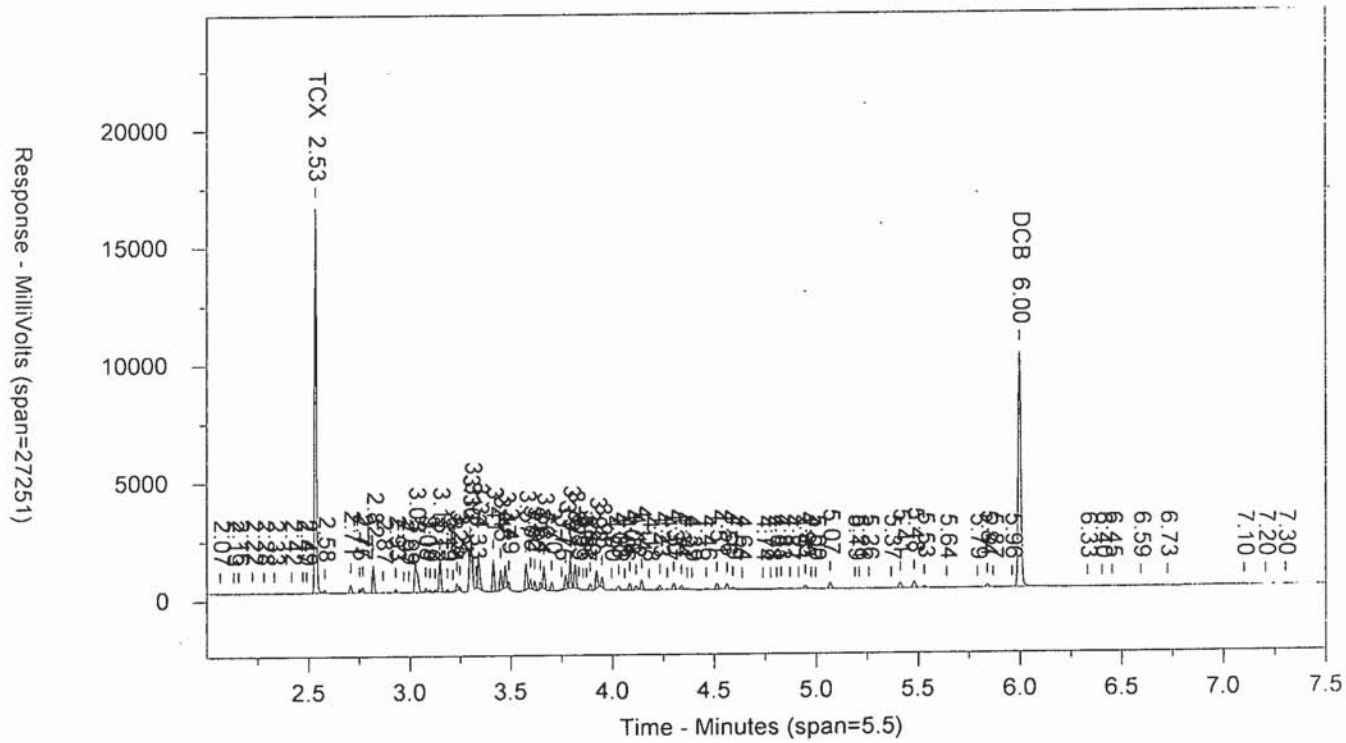

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:27:51 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.505		1166	1010
1.594		1364	834
1.642		1347	600
1.726		1322	1127
1.809		1093	1072
1.833		1480	1448
1.899		3313	5217
1.977		8675	30622
2.056		11510	31305
2.111		8249	13367
2.177		29109	29440
2.243		2492	4318
2.269		6253	4941
2.288		11058	8367
2.424		1454	6049
2.524		11025	9323
2.687		1972	1928
2.712		1508	999
2.737		5273	3921
2.8		3840	4257
2.88	TCX	5475876	3704995
3.035		116616	99314
3.09		93902	107032
3.138		436089	312458
3.208		8978	5599
3.231		52555	37018
3.268		3125	2938
3.35		408803	250089
3.367		181723	96679
3.403		44538	24940
3.418		21623	9400
3.435		31046	17452
3.464		497164	378825
3.518		10687	6692
3.537		23483	14288
3.573		91566	53440
3.587		42819	20910
3.631		174716	103473
3.641		432405	228809
3.677		574622	439942
3.735		430951	353767
3.775		35790	25629
3.802		296032	212972
3.829		232567	188599
3.85		63794	34894
3.924		333684	248585
3.948		113221	71601
3.978		131826	95443
4.014		325863	347968
4.053		113941	93244
4.098		13058	10166
4.138		16525	14821
4.17		114693	82006

RT A	Compound A	Height A	Area A
4.191		94914	60725
4.214		84019	61548
4.242		3300	1814
4.278		3597	4069
4.317		30315	28281
4.462		8232	11353
4.513		11737	13508
4.573		2255	2088
4.66		2872	3102
4.736		2786	3331
4.783		3376	2814
4.817		54852	55338
4.913		2271	1584
4.943		4333	4069
5.004		6804	8393
5.057		77450	84650
5.146		4872	10668
5.335		3203	8210
5.372		1111	463
5.409		7391	14830
5.469		56798	62131
5.591		96339	98348
5.734		2055	4681
5.776		3834	4538
5.82		2555	2726
5.962		83849	84078
6.026		91752	80967
6.048		12777	8394
6.144		1622	3012
6.329		2431	2336
6.402		51709	55259
6.504		1149	512
6.545	DCB	4791815	5121233
6.629		3588	2267
6.782		1116	670
6.833		1205	720
6.848		1855	1618
6.875		1724	1575
6.95		1094	586
6.996		5396	7948
7.077		1383	915
7.219		1024	4100
7.297		1339	5071
7.393		1066	4247
7.53		1214	4663
7.553		1270	908
7.591		1122	1060
7.666		1281	2091
7.795		1403	988
7.827		1584	2145
7.878		1297	511
7.925		1269	1865
8.045		1266	1871
8.106		1591	1377
8.159		1233	1287
8.178		1844	686
8.193		2137	1855
8.29		1397	537
8.322		1097	833
8.412		2572	4099
8.511		1866	2456
8.529		1603	1128
8.578		8418	19665

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:27:51 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.511		1256	1044
1.573		2984	3120
1.627		2068	2551
1.648		3897	4088
1.733		11255	35662
1.794		12799	53369
1.85		88457	83695
1.928		12288	39103
1.976		32459	32980
2.066		3905	4006
2.127		2323	1929
2.162		2570	2886
2.222		31698	22954
2.335		2373	5187
2.42		2756	3666
2.472		12907	8663
2.492		4763	2402
2.534	TCX	16977550	10213410
2.579		130969	97880
2.707		410189	277939
2.752		163656	83087
2.767		223208	124387
2.819		1373788	864122
2.867		31578	18618
2.93		182013	115692
3.027		1668164	1615638
3.078		190765	119065
3.099		123147	67463
3.124		123968	69096
3.148		1603498	1088575
3.185		78533	45635
3.212		33090	16434
3.232		377710	193821
3.247		201170	99733
3.297		658508	345083
3.306		1500059	635233
3.326		29181	14082
3.339		1619219	1076683
3.412		1666330	1042039
3.449		1023130	662300
3.471		1198859	650538
3.488		346323	176160
3.573		1328157	855533
3.595		524362	275388
3.616		503228	299137
3.644		336294	170057
3.66		1120170	679841
3.699		447550	307574
3.747		52317	40768
3.769		303866	187582
3.791		657412	413410
3.815		282695	174368
3.834		41493	19073
3.855		10302	5108

3.871		4498	1818
3.888		27510	16966
3.921		30273	15700
3.934		42167	28442
3.984		8525	4658
3.999		5406	2612
4.017		6284	3450
4.039		11236	5941
4.059		35233	22011
4.084		5380	3700
4.124		7705	7123
4.142		3842	2280
4.234		11130	8444
4.27		6094	4472
4.301		4057	2211
4.338		181101	155673
4.4		2408	3415
4.462		19243	19758
4.517		25117	20847
4.561		249180	196587
4.589		2640	1732
4.636		7272	5465
4.659		11526	8436
4.691		1281	1503
4.805		11431	9170
4.828		4761	3808
4.869		22209	21965
4.912		4356	2689
4.945		139760	123045
5.003		1475	3303
5.068		264628	239853
5.189		1543	1257
5.21		4432	3805
5.259		10185	10019
5.411		216340	197495
5.479		268468	245138
5.529		79297	68036
5.638		1573	1385
5.796		2569	2678
5.839		119706	118842
5.997	DCB	9731179	9104800
6.337		1609	2141
6.452		8480	12825
6.624		1305	844
6.693		866	908
7.293		855	1599
7.958		810	1192
8.236		1994	5795
8.43		1254	2296

AR16XX1624B AAAR16XAA ICAL 1628299999 10736 SW-846 8082

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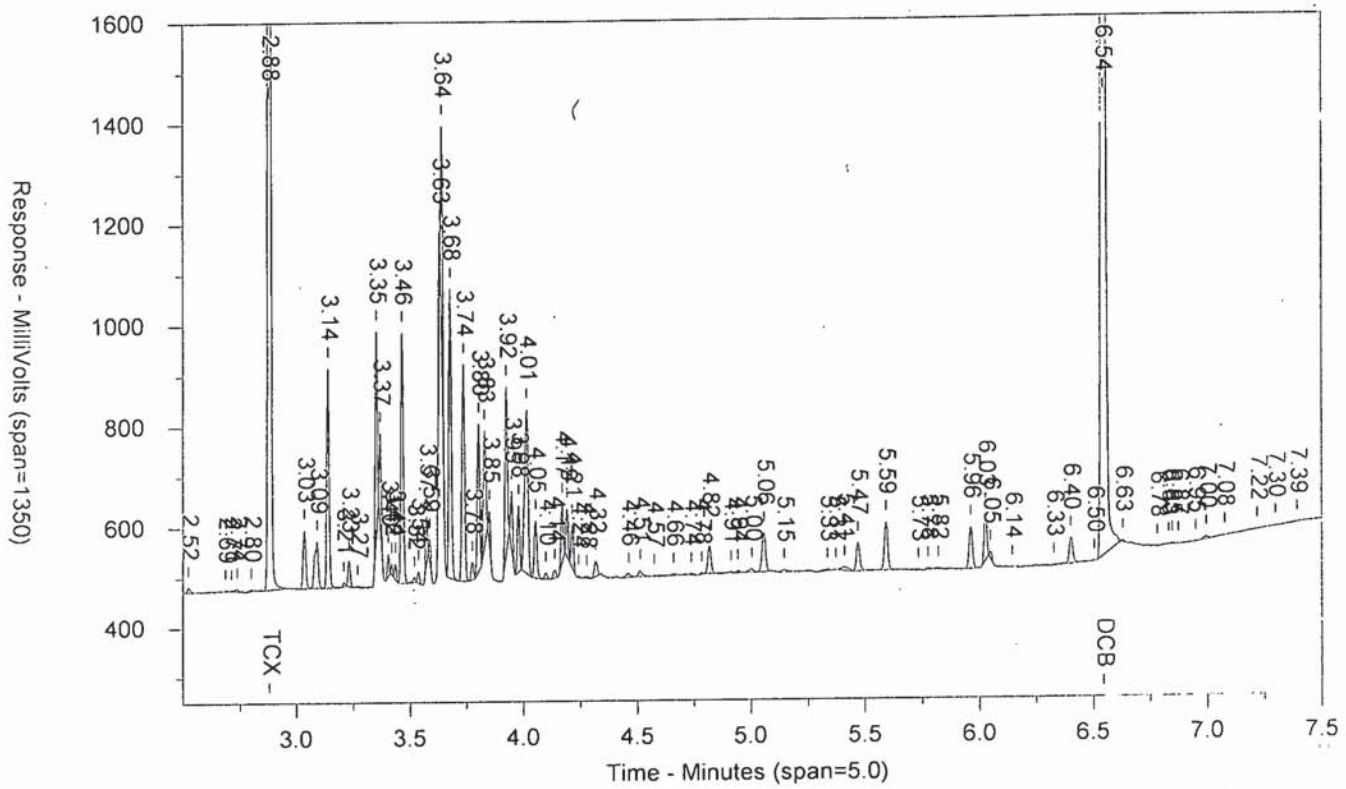

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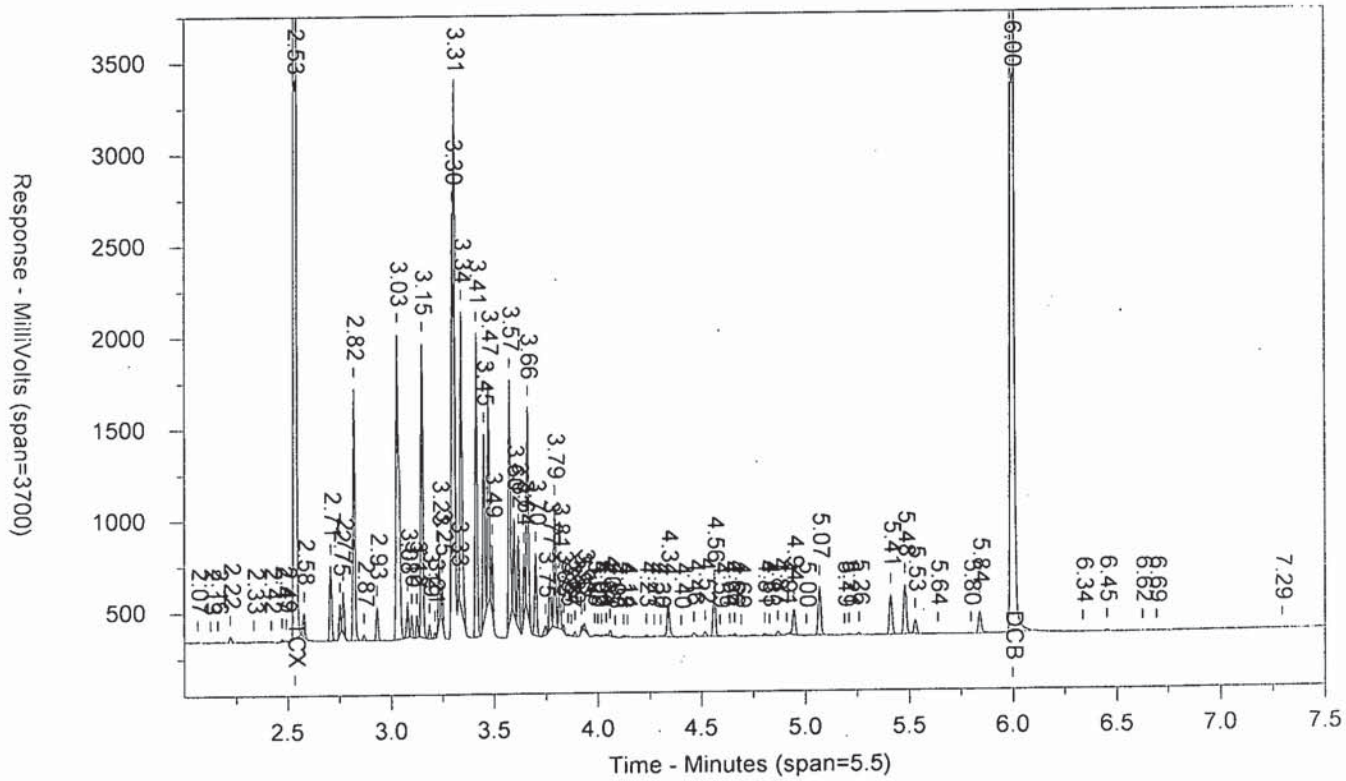

LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:27:51 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	5475876	41.69	TCX	2.534	16977550	41.204	TCX
6.545	4791815	38.13	DCB	5.997	9731179	36.238	DCB

Files:
Area File: 07PCBS16283001.0027.RAW
Area File: 07PCBS16283001B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 6:36:36 PM
File Reported On: 10/9/2016 at 6:36:45 PM

AR16XX1624B AAAR16XAA ICAL 1628299999 10736 SW-846 8082

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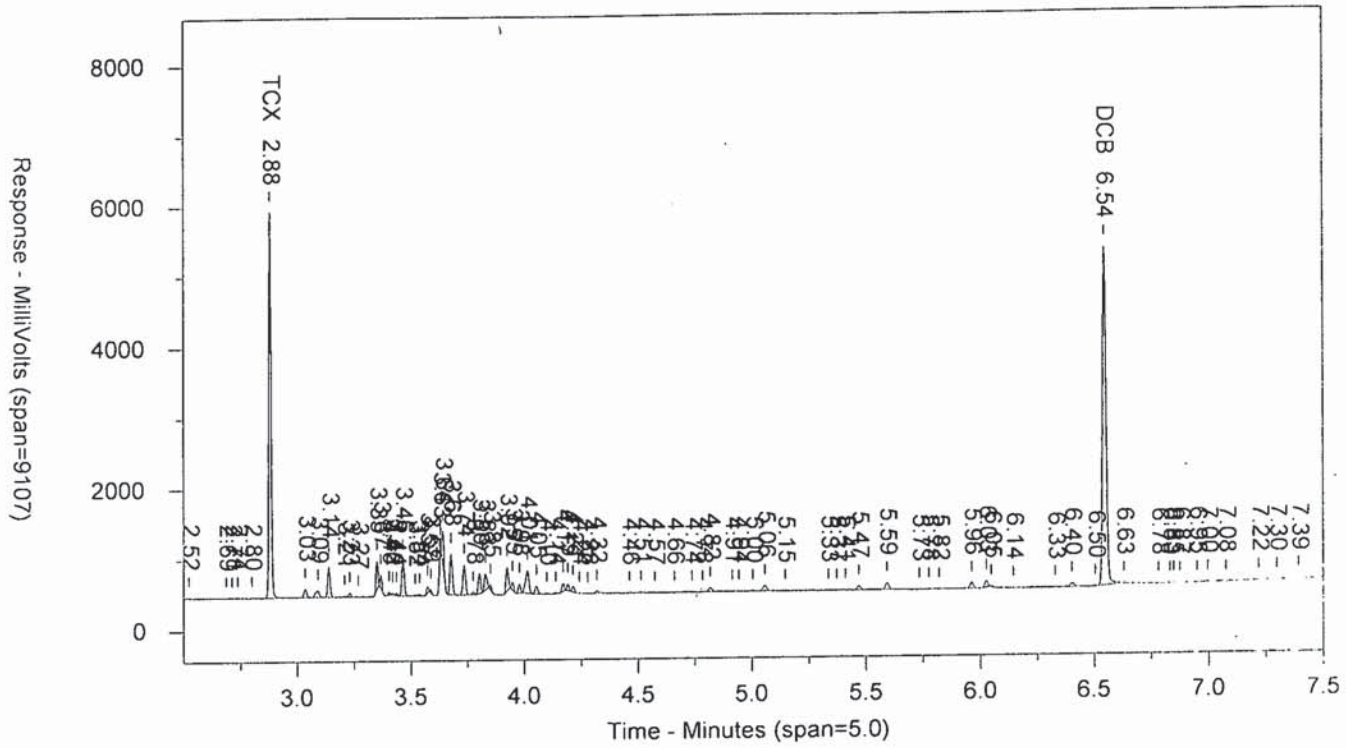

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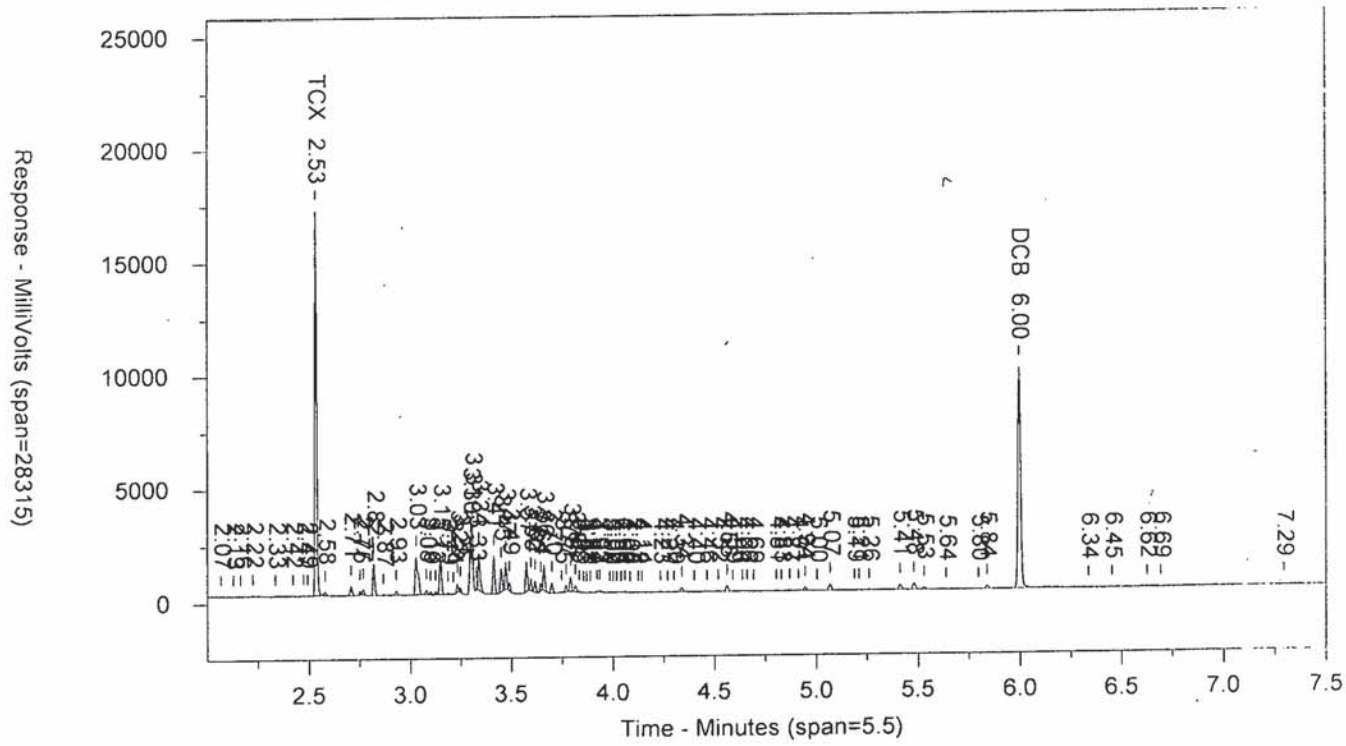

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:39:19 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.539		1973	6143
1.764		1573	1782
1.802		1149	634
1.945		3775	5041
2.059		7233	13467
2.105		2254	1857
2.154		984	686
2.27		8399	6416
2.338		3022	6286
2.402		3006	4081
2.471		1217	3020
2.511		1015	884
2.585		1423	691
2.686		1501	1890
2.735		3823	5427
2.781		2328	1018
2.847		986	6369
2.88	TCX	110718	78490
2.952		1421	1545
3.033		7600	6790
3.088		5966	5733
3.138		28355	19892
3.218		987	1409
3.232		3934	2721
3.28		1018	1073
3.351		27346	16596
3.367		11902	6112
3.419		1888	752
3.436		1984	1383
3.464		31507	23078
3.538		3565	3162
3.574		6017	3614
3.631		12578	7667
3.642		24180	12212
3.677		37594	29450
3.736		27577	21937
3.803		21302	15008
3.831		16187	14088
3.926		21864	16107
3.949		7303	4734
3.977		7927	6061
4.015		21067	24927
4.052		7557	7807
4.105		1578	958
4.135		1857	1445
4.171		21593	15780
4.192		5253	2790
4.213		6262	3750
4.242		6408	6881
4.281		3503	2468
4.324		24091	22946
4.409		1187	876
4.457		9787	10544

RT A	Compound A	Height A	Area A
4.516		3476	2332
4.529		4831	2966
4.576		15024	14360
4.62		23324	27355
4.657		5732	4085
4.696		55724	52801
4.736		2125	2208
4.786		8056	8889
4.816		3856	3082
4.844		10355	10218
4.895		63516	83551
4.943		12449	10873
4.987		30442	36330
5.063		6117	8134
5.103		68161	67813
5.166		38611	36722
5.21		24119	22755
5.332		47556	63250
5.39		25401	40251
5.429		11509	10084
5.466		4063	4384
5.515		14152	14920
5.572		101901	118986
5.688		9144	9630
5.778		62959	66239
5.829		18960	35855
5.869		1340	1032
5.964		3566	4090
6.024		3682	2081
6.05		15044	30758
6.13		4202	9822
6.206		31127	32701
6.259		3958	7645
6.343		1642	2097
6.404		9147	9078
6.445		10992	12166
6.503		976	580
6.546	DCB	118134	125179
6.599		949	643
6.657		1389	1474
6.692		721	754
6.815		1171	901
6.841		1548	769
6.978		1025	4488
7.029		630	4311
7.09		912	2649
7.174		1955	2234
7.238		1739	2261
7.272		992	1332
7.364		1203	4897
7.446		1357	2846
7.535		1392	3348
7.639		1301	1136
7.688		1059	1034
7.788		955	1564
7.82		1374	783
7.87		1209	1056
7.913		1652	1770
7.959		1078	370
8.017		1604	983
8.051		1279	561
8.11		1049	2394
8.144		2298	2159
8.206		909	637
8.279		1223	1232
8.302		1409	1323

RT A	Compound A	Height A	Area A
8.42		2823	5195
8.538		951	6251
8.577		7960	16867

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:39:19 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.675		3538	2254
1.737		4288	11238
1.792		5362	13187
1.848		26270	21310
1.927		11772	28723
2.132		2458	2747
2.161		1836	2567
2.224		2627	1907
2.332		2442	3819
2.444		2525	1217
2.471		9240	10354
2.534	TCX	341310	210664
2.579		9568	6871
2.707		25503	16426
2.752		4703	2291
2.768		13810	8036
2.82		93220	57229
2.931		11422	9349
3.028		114385	111188
3.079		11953	7769
3.1		7485	4621
3.125		6136	3120
3.149		109086	71413
3.186		8696	6084
3.233		22489	11449
3.247		14100	8461
3.278		3001	1423
3.298		43265	22059
3.306		82661	35689
3.34		114169	86043
3.377		2688	1500
3.413		106384	66670
3.45		78512	48075
3.472		97244	53662
3.489		20282	9511
3.509		2519	1563
3.574		90295	55985
3.596		33205	17842
3.616		25436	13479
3.644		29245	15140
3.661		73374	40512
3.7		29045	19545
3.746		11101	9740
3.77		16827	10424
3.791		101958	65192
3.816		16978	9932
3.855		13109	8943
3.889		83232	55326
3.921		3905	2064
3.934		8136	4757
3.984		11897	10062
4.019		24823	24369
4.059		2600	1515
4.084		25336	18430

4.124		26128	17567
4.143		19117	9471
4.157		60078	33787
4.182		31962	30883
4.232		186108	145698
4.27		5961	4618
4.301		14316	9110
4.325		33185	28741
4.367		204393	156824
4.465		156470	162644
4.516		21582	17104
4.556		51571	47881
4.59		190040	165312
4.622		112267	83679
4.659		70236	53011
4.741		40757	63725
4.805		133681	104297
4.826		11623	6885
4.877		72240	63950
4.912		33825	26839
4.944		26985	21918
4.975		6536	4089
4.998		268053	240656
5.038		4006	2348
5.067		15459	15884
5.188		3246	1932
5.212		51708	38327
5.255		166589	165978
5.297		6270	12686
5.411		8691	8066
5.459		2507	1570
5.479		8233	6522
5.528		33137	30030
5.638		71558	62976
5.672		3597	2970
5.818		3085	2366
5.839		19189	15455
5.996	DCB	295592	278607
6.194		1175	5453
6.408		1130	877
6.428		2557	2605
6.656		496	3645
6.872		995	7800
7.129		667	5226
7.212		1123	1787
7.651		1039	835
7.747		1196	1449
7.825		1065	1528
7.881		642	542
8.244		1808	6264

MD16X1624B AAMD16XAA ICAL 1628299999 10736 SW-846 8082

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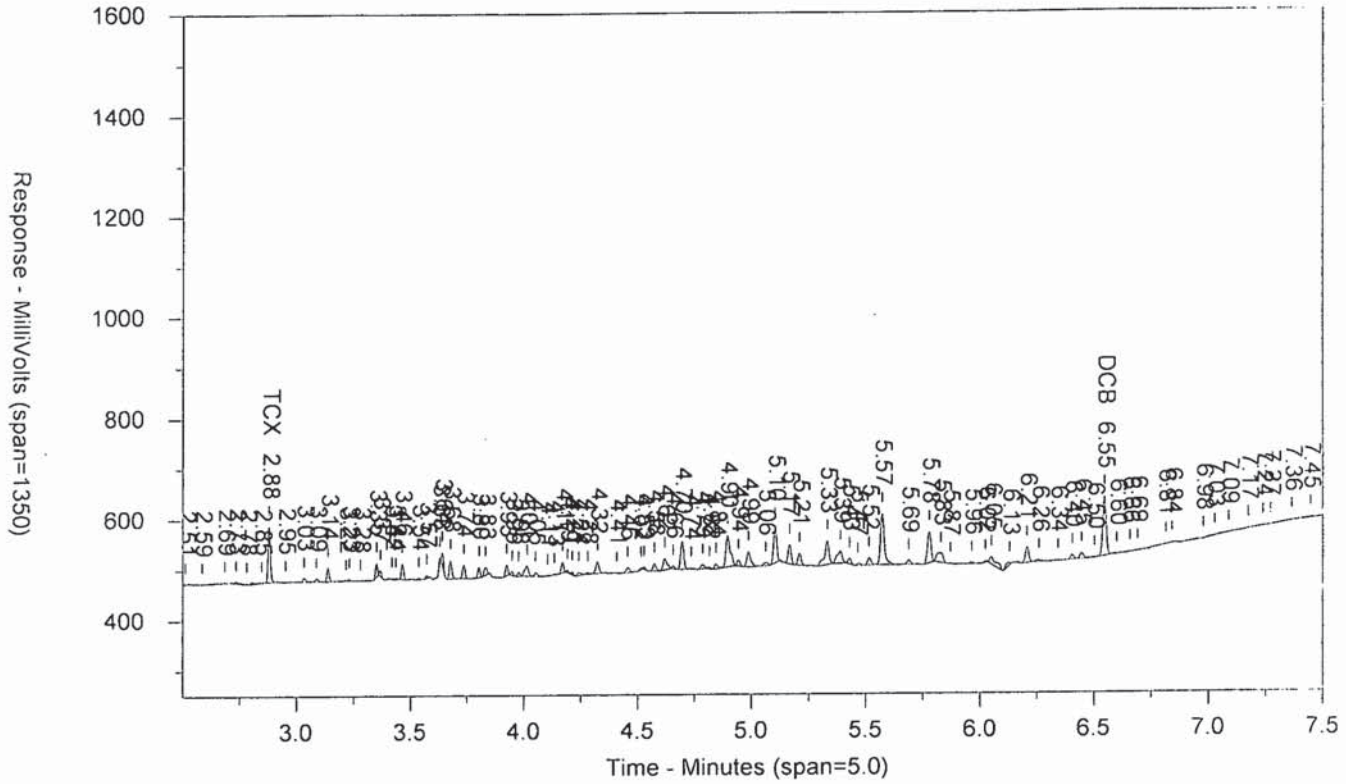

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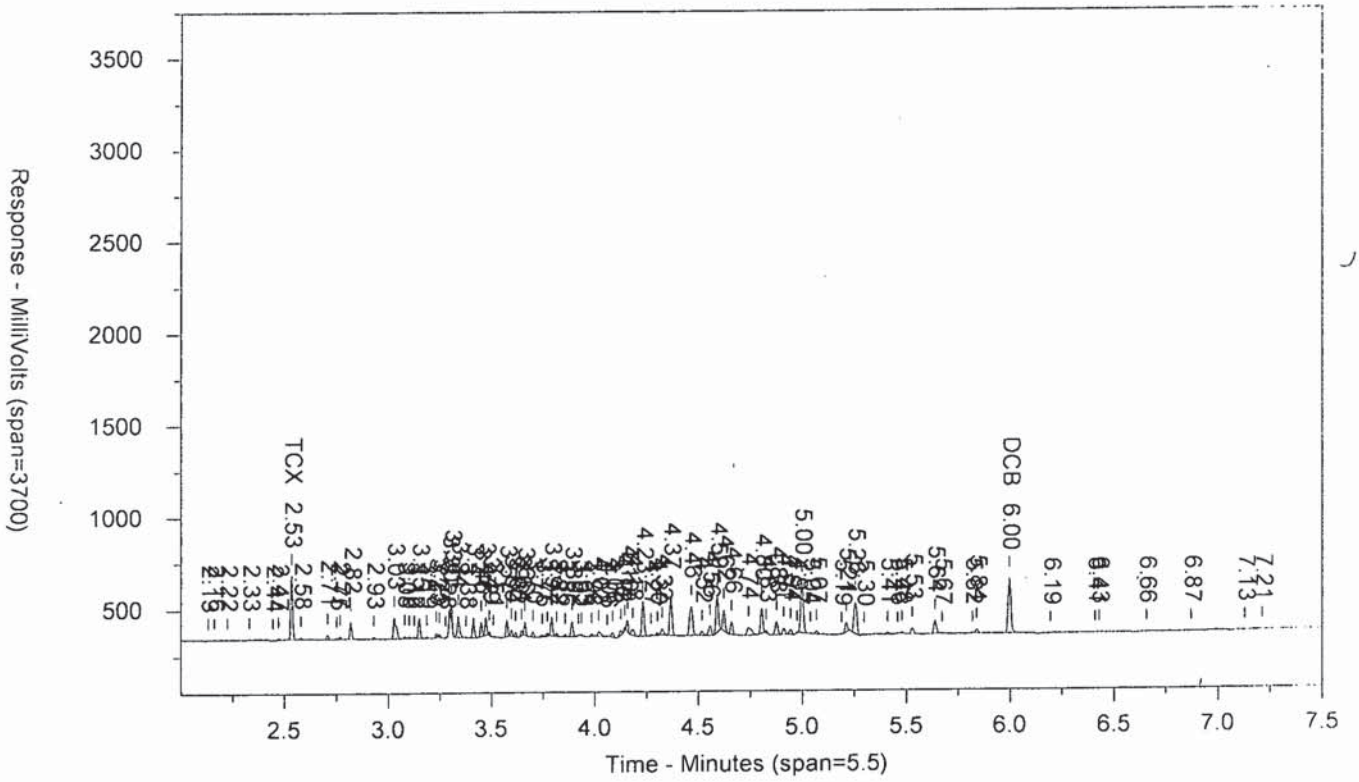

LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:39:19 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	110718	.843	TCX	2.534	341310	.828	TCX
6.546	118134	.94	DCB	5.996	295592	1.101	DCB

Files:
Area File: 07PCBS16283001.0028.RAW
Area File: 07PCBS16283001B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 6:48:02 PM
File Reported On: 10/9/2016 at 6:48:10 PM

MD16X1624B AAMD16XAA ICAL 1628299999 10736 SW-846 8082

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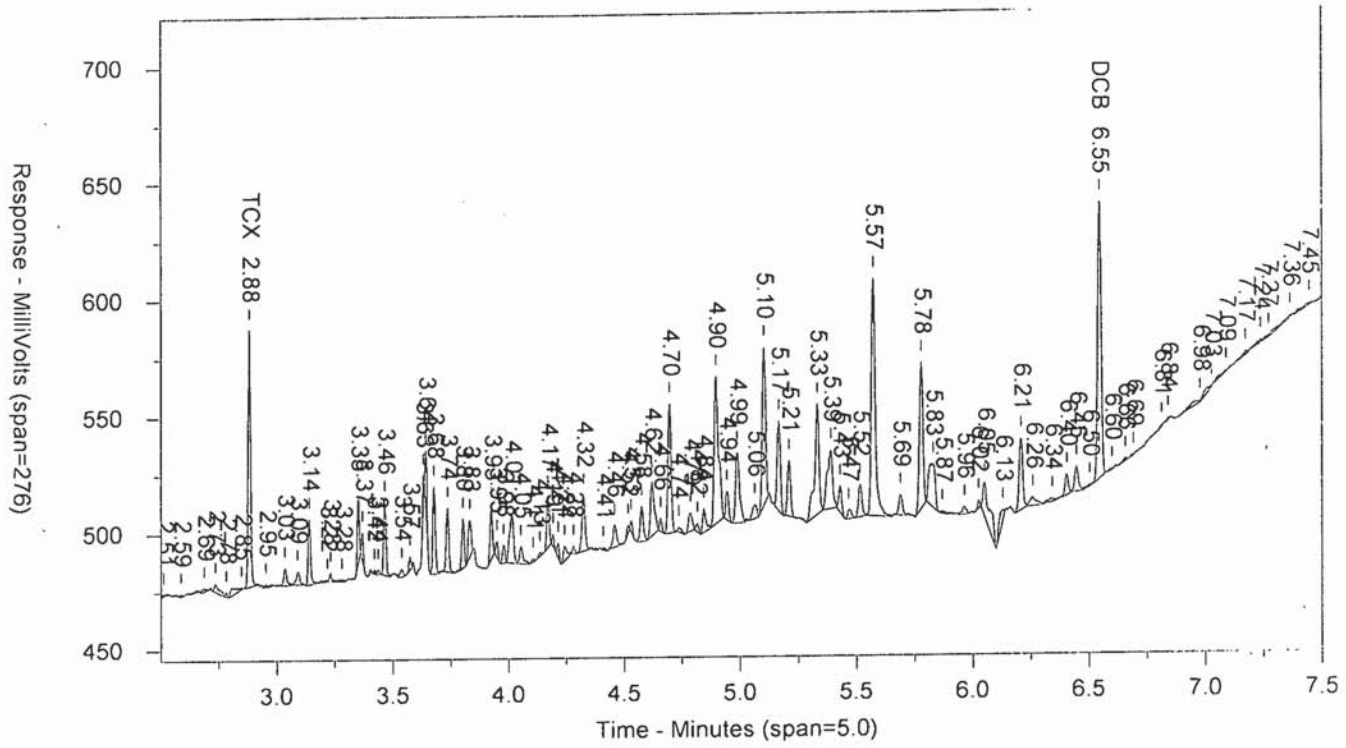

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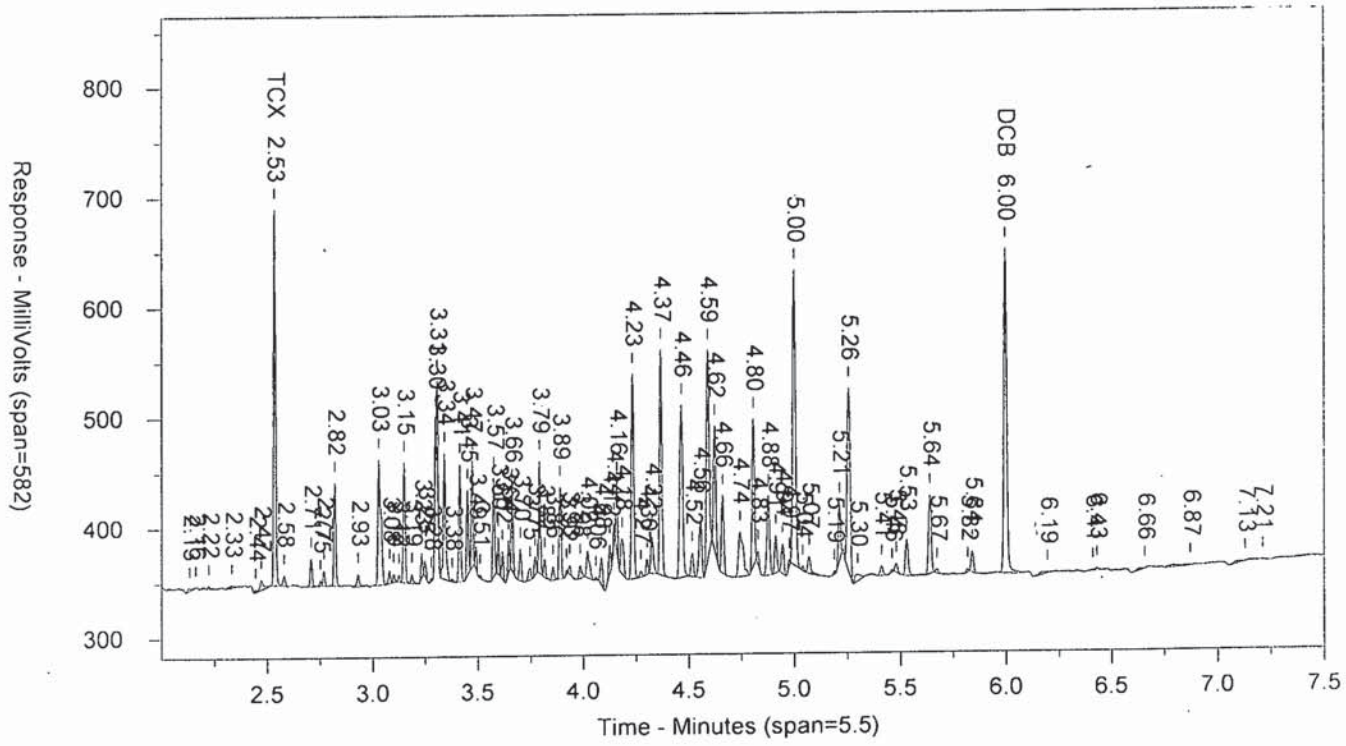

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:50:47 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.95		4185	6416
1.981		2017	1898
2.051		8233	17607
2.111		3433	7283
2.177		24590	19832
2.27		7744	6329
2.289		10545	8414
2.338		1708	3963
2.391		3059	6161
2.525		11211	8532
2.678		1461	952
2.734		6890	8121
2.784		1832	833
2.8		3713	4550
2.88	TCX	5410397	3621488
3.034		122590	104278
3.08		19783	10326
3.09		52821	27948
3.138		451251	326099
3.209		8409	4670
3.231		59437	41980
3.35		459295	269383
3.367		198523	102650
3.403		47656	26218
3.419		27342	12791
3.435		30138	16707
3.464		541413	410463
3.498		2190	879
3.518		9210	5295
3.537		41220	26566
3.573		97454	57915
3.587		44802	21721
3.631		155105	100287
3.642		490266	255326
3.678		632731	477441
3.735		486637	390851
3.775		41286	29297
3.802		335100	244475
3.831		257962	240239
3.849		40827	20865
3.924		355539	265595
3.948		113670	70835
3.978		127960	93430
4.013		291436	330392
4.053		91250	72545
4.098		8651	6426
4.133		22891	16526
4.171		281160	229809
4.19		36849	20350
4.214		50934	36320
4.281		44756	38756
4.323		357116	333153
4.357		10514	7130

RT A	Compound A	Height A	Area A
4.416		10138	8846
4.457		151967	159536
4.515		27987	19731
4.529		87625	59887
4.575		214196	195284
4.619		366940	415279
4.656		92600	68613
4.696		855073	825124
4.737		33655	30262
4.784		107555	125303
4.817		61227	46615
4.842		134555	119046
4.894		1027370	1317250
4.943		205630	188602
4.987		508316	568775
5.029		6474	3465
5.062		124836	173470
5.103		1161314	1138019
5.126		24336	10948
5.165		621365	581830
5.209		395414	390183
5.308		35989	38644
5.331		696055	662622
5.39		385026	368925
5.429		194903	170993
5.469		94123	90237
5.515		247678	243025
5.571		1930365	2109667
5.778		1077882	1162107
5.816		69771	71669
5.83		124515	103785
5.962		105810	109601
6.026		88728	64876
6.049		190736	162306
6.121		1318	4082
6.205		524798	528865
6.249		30988	29809
6.402		224320	244294
6.498		1555	1185
6.545	DCB	4764596	5158924
6.653		1667	1030
6.71		2073	1356
6.747		1419	1527
6.77		1502	596
6.806		1872	1232
6.865		1466	464
6.995		5419	8116
7.07		1358	1150
7.147		793	2544
7.21		1267	564
7.263		1624	2490
7.291		1155	587
7.443		844	10057
7.458		1501	721
7.548		1065	2649
7.62		1576	948
7.68		2105	3269
7.779		1112	1272
7.813		1888	1073
7.902		1340	964
8.065		1053	2847
8.097		2260	2993
8.163		793	1349
8.274		1069	1055
8.31		1333	942
8.35		1630	705

RT A	Compound A	Height A	Area A
8.416		1687	1589
8.486		1028	556
8.517		1244	879
8.584		7765	19409

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:50:47 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.573		1027	1207
1.617		2358	2004
1.673		2322	1575
1.712		4384	6614
1.767		4823	5995
1.801		5711	17499
1.849		85513	75132
1.917		14290	39019
1.976		31484	32039
2.066		4020	4340
2.134		2004	2706
2.222		34156	25074
2.331		2049	1587
2.421		2819	2398
2.444		2024	1173
2.472		14118	8979
2.492		5481	2722
2.534	TCX	16772780	9991347
2.579		142344	106534
2.707		441650	293156
2.752		168246	83800
2.768		243239	134111
2.819		1421692	896180
2.867		30800	18466
2.93		203165	131767
3.027		1767143	1752113
3.079		209919	124246
3.099		153251	84899
3.124		128349	69869
3.148		1802196	1178400
3.186		138936	82083
3.212		31783	15356
3.232		382750	202341
3.247		202940	98522
3.297		568791	300443
3.305		1593521	726104
3.326		32156	16478
3.339		1703588	1159347
3.412		1766310	1152680
3.449		1181646	754363
3.471		1504065	837338
3.489		339761	160782
3.573		1430374	933538
3.595		520669	278652
3.616		514547	304284
3.644		458432	240958
3.661		941641	544984
3.7		369466	253237
3.745		181151	161689
3.771		139839	92388
3.79		1210198	801538
3.815		156243	88981
3.834		31298	14294
3.854		167283	105985

3.888		1210911	838759
3.92		67332	36566
3.934		116491	60454
3.981		8341	5237
3.999		19332	11105
4.018		428135	414766
4.059		67927	39193
4.084		300354	215613
4.124		407695	253237
4.143		252222	127357
4.156		976167	556719
4.182		497473	508207
4.232		2974481	2315085
4.27		113959	92753
4.3		184272	114995
4.324		573699	554309
4.366		3340579	2493747
4.465		2539842	2687978
4.516		393084	313311
4.556		825125	777528
4.589		3363328	2781544
4.622		1703696	1279185
4.659		1120395	892284
4.715		2610	1704
4.755		359671	276543
4.773		32229	15643
4.805		2200304	1750816
4.827		184168	106868
4.876		1194296	1074493
4.911		593539	465942
4.943		544911	443568
4.973		122927	72061
4.997		5074175	4257834
5.038		84679	60600
5.067		384202	325417
5.187		47738	31282
5.211		1007043	868026
5.255		3172654	3560207
5.411		293621	260120
5.459		44048	27854
5.479		256565	204523
5.529		612086	565225
5.639		1234341	1075663
5.67		57405	40780
5.79		1839	1687
5.838		515021	503114
5.96		1083	735
5.996	DCB	9965878	9176707
6.171		3779	3896
6.382		929	1106
6.45		8819	10636
6.52		1022	500
6.582		1089	1949
6.621		1070	824
6.856		889	633
6.966		1106	2092
7.325		995	542
7.501		883	636
7.768		795	1487
8.016		1856	3303
8.359		1189	537
8.413		1061	1303

IC16X1624B AAIC16XAA CCAL 1628299999 10736 SW-846 8082

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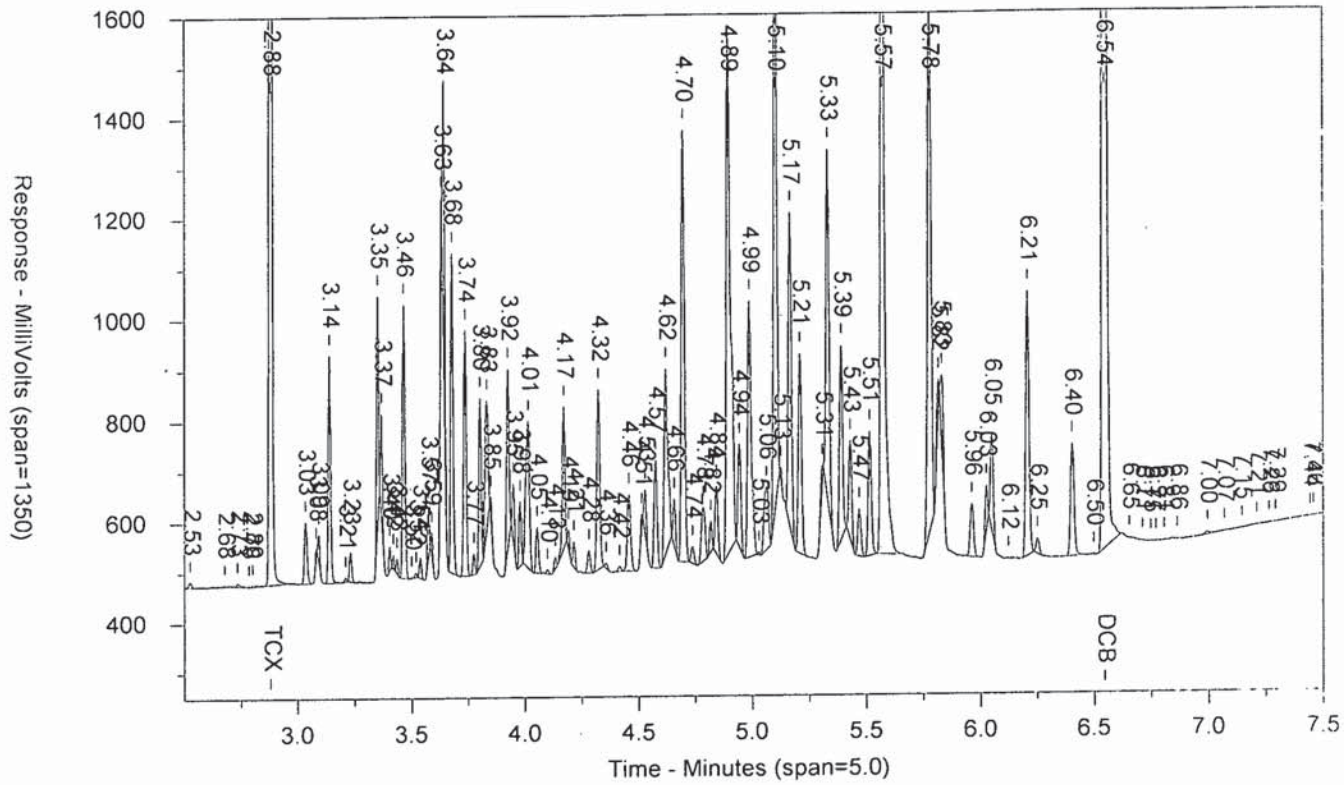

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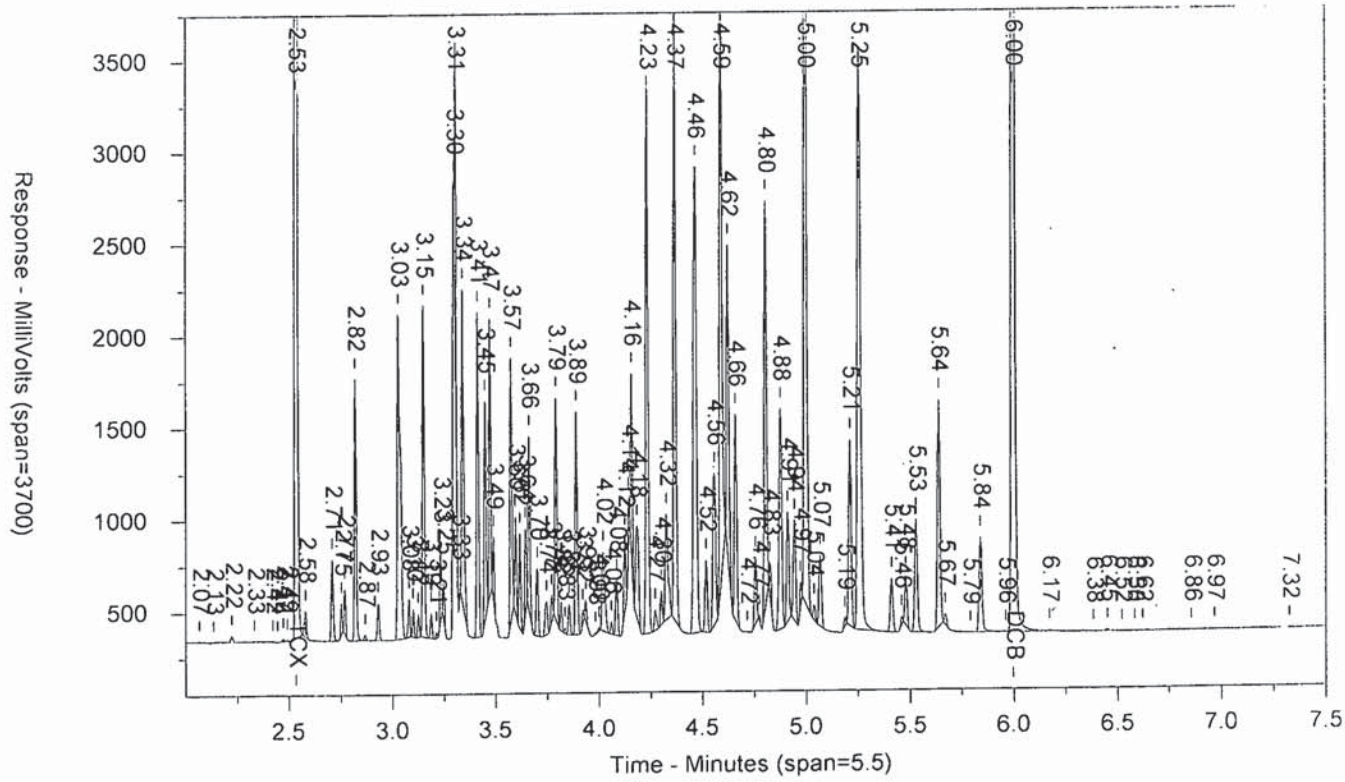

LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 6:50:47 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	5410397	41.191	TCX	2.534	16772780	40.707	TCX
6.545	4764596	37.913	DCB	5.996	9965878	37.111	DCB

Files:
Area File: 07PCBS16283001.0029.RAW
Area File: 07PCBS16283001B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 6:59:29 PM
File Reported On: 10/9/2016 at 6:59:40 PM

IC16X1624B AAIC16XAA CCAL 1628299999 10736 SW-846 8082

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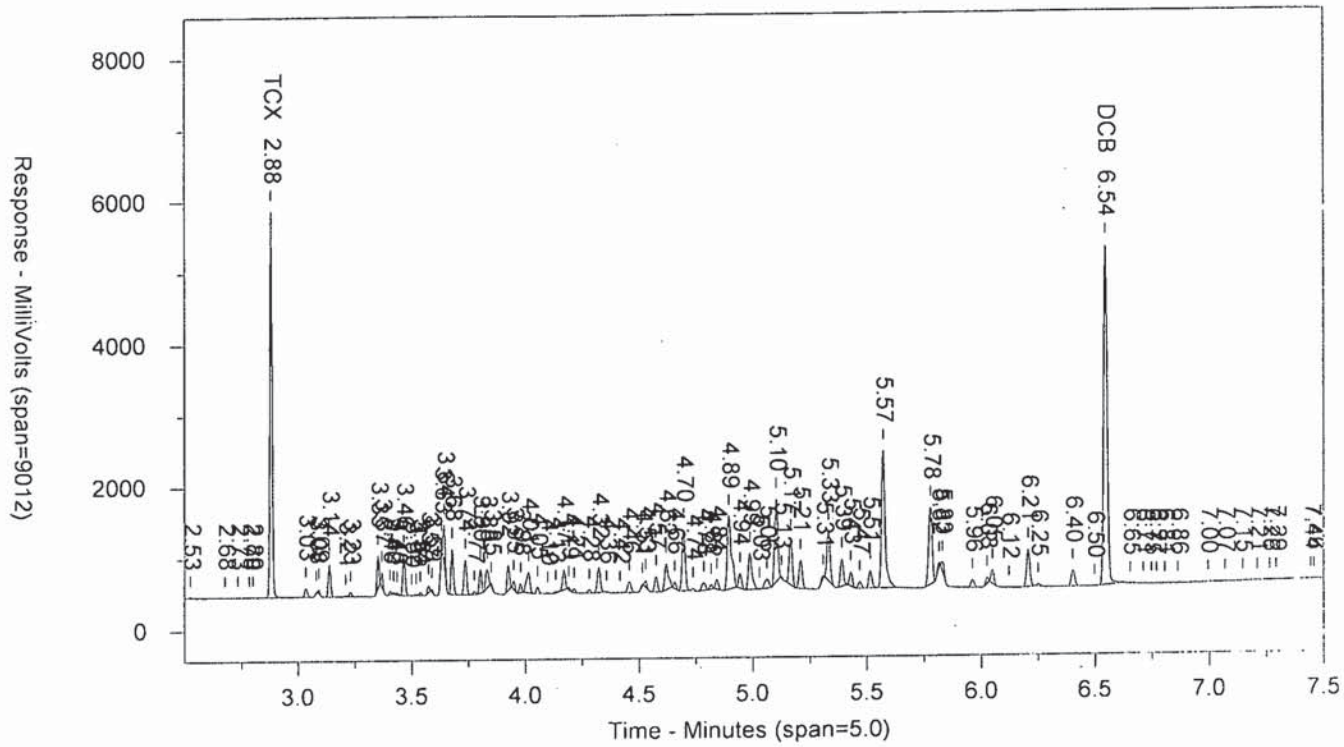

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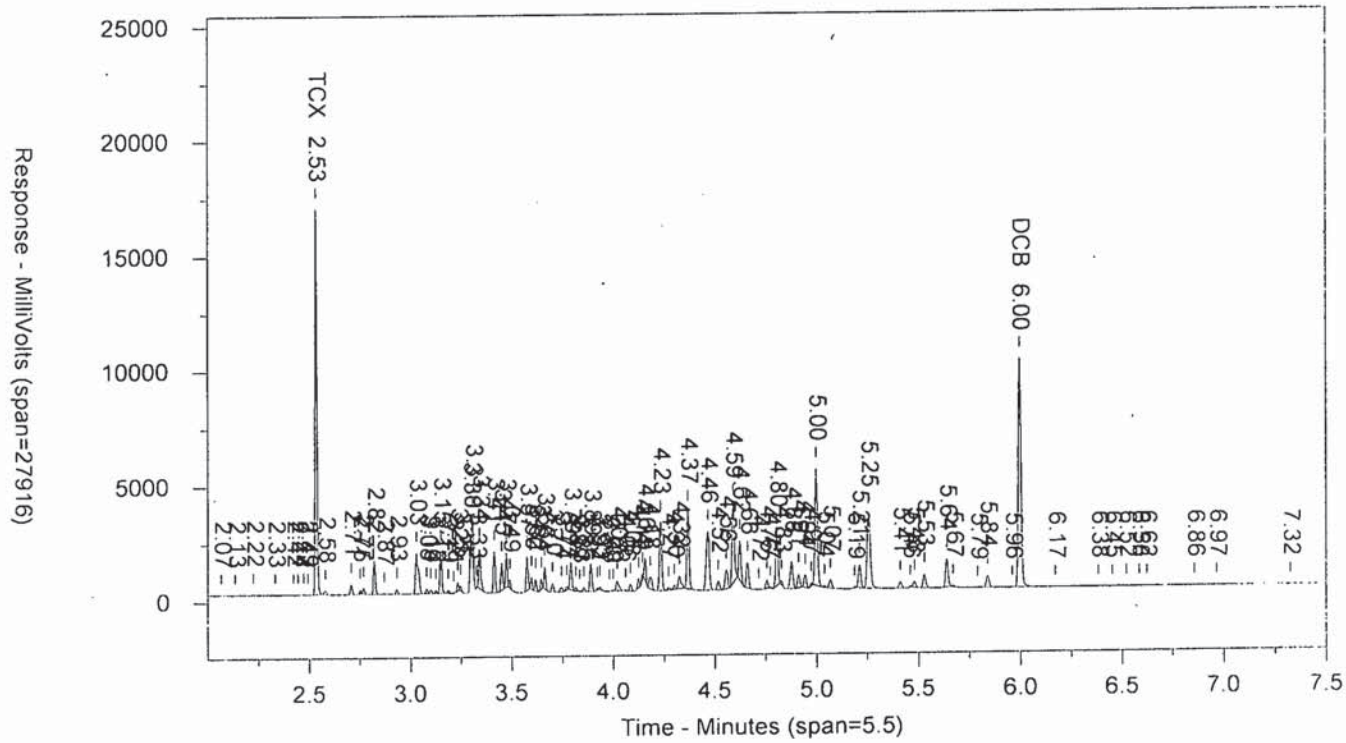

LANCASTER LABORATORIES

Sample Number: IC48X1624B AAIC48XAA CCAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 7:02:13 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		6561	8362
1.689		1082	783
1.767		1701	1754
1.954		1807	5103
2.059		6578	16174
2.112		2160	2541
2.177		23733	17836
2.269		7789	5007
2.287		10211	7801
2.344		2174	3605
2.388		2797	2923
2.449		2245	2125
2.525		5864	8581
2.64		1053	1932
2.737		4322	2811
2.804		3398	4960
2.85		802	468
2.881	TCX	5378748	3597804
3.034		53581	45439
3.08		64617	55322
3.138		95370	69544
3.208		9319	5881
3.23		17973	13024
3.319		1184	632
3.35		232138	140425
3.367		68483	34627
3.403		11991	6080
3.419		21499	11806
3.464		232072	174014
3.518		9148	5633
3.537		47223	31115
3.573		36318	22219
3.587		8931	4181
3.631		174787	94873
3.642		186863	91961
3.677		345782	276111
3.734		264560	219207
3.775		41401	29998
3.802		466501	342997
3.829		307381	255796
3.85		87467	46787
3.924		527084	389699
3.948		145021	94463
3.978		188039	139860
4.013		428633	432861
4.052		154507	125017
4.097		16530	11521
4.137		38456	35332
4.17		381646	262642
4.191		466580	299348
4.214		529492	385235
4.28		47670	45820
4.319		504329	418864

RT A	Compound A	Height A	Area A
4.34		117821	61634
4.356		53650	30461
4.396		6675	4524
4.419		26521	21119
4.461		149844	145660
4.513		220374	196890
4.544		125661	93442
4.574		379145	338472
4.619		5501	5008
4.658		153571	141792
4.696		26629	34639
4.747		39540	36220
4.788		260735	246071
4.817		43855	33715
4.868		21226	20965
4.895		16815	11542
4.911		17113	11190
4.987		272200	273319
5.029		5251	3232
5.057		75759	77639
5.103		66904	63569
5.143		4769	3012
5.207		1990	1698
5.313		29331	41879
5.389		2085	1484
5.41		2942	1926
5.468		55724	55144
5.514		13844	12584
5.591		90808	99286
5.677		1402	775
5.777		10902	11544
5.822		4300	6023
5.961		75434	80053
6.027		79662	72807
6.048		13107	8771
6.119		1267	401
6.329		2102	2232
6.402		54207	59105
6.505		1219	1573
6.544	DCB	4869416	5183803
6.658		2684	2697
6.748		1257	610
6.784		1548	856
6.813		1577	1143
6.89		1249	1178
6.938		1364	262
6.992		4842	6519
7.025		1536	788
7.067		1217	2089
7.108		2421	1625
7.155		1313	757
7.292		1025	5367
7.33		1239	776
7.411		909	4437
7.517		1015	1182
7.573		1719	1406
7.619		1352	538
7.663		1769	1650
7.726		1224	814
7.774		1218	1343
7.894		1123	1151
7.957		1398	576
7.994		1432	509
8.03		1329	1507
8.083		1136	576
8.185		1367	1343

RT A	Compound A	Height A	Area A
8.217		1918	1609
8.33		1731	844
8.514		2116	1908
8.587		8436	21419
8.661		1796	585

LANCASTER LABORATORIES

Sample Number: IC48X1624B AAIC48XAA CCAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 7:02:13 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.506		1131	883
1.572		2486	2386
1.674		2678	1858
1.7		3568	5821
1.732		5004	5758
1.795		7523	21818
1.85		84213	69737
1.925		9207	25483
1.976		27734	20878
2.064		3004	3055
2.129		2420	2387
2.163		1280	966
2.223		13504	11337
2.267		2335	3597
2.332		4606	9079
2.394		1019	792
2.418		3595	3356
2.472		13799	9683
2.534	TCX	16221720	9935395
2.578		25108	17133
2.672		1168	771
2.708		191963	130573
2.752		188667	102353
2.768		27867	12512
2.82		313449	199816
2.868		32025	19197
2.931		65591	41955
3.028		880675	828235
3.079		60339	33944
3.1		94032	54068
3.124		12434	5950
3.149		756760	511536
3.186		165750	99657
3.213		34514	18445
3.233		147366	77089
3.247		51689	23366
3.297		476535	240724
3.306		610089	245520
3.327		104852	43504
3.34		859983	586336
3.413		995563	642244
3.449		1668339	1049823
3.472		1560787	878445
3.489		463411	229752
3.573		2002331	1274902
3.596		635888	341503
3.617		724828	438382
3.644		407577	203774
3.661		1529848	885425
3.7		615935	420319
3.748		122064	102268
3.77		1133266	705329
3.792		2816353	1755878
3.816		1897226	1158458

3.834		124870	56347
3.855		146065	83780
3.872		10573	3395
3.889		805066	544779
3.921		1537534	1111160
3.947		676135	378399
3.996		110709	81042
4.029		518691	397211
4.059		33834	18348
4.084		855427	637737
4.115		494984	343178
4.143		1328878	972147
4.181		20193	17692
4.233		558222	499310
4.269		130117	93172
4.301		835007	634533
4.339		137825	95546
4.367		78129	50544
4.389		55570	36603
4.46		128537	136633
4.512		783087	663779
4.561		233350	195424
4.591		220127	193442
4.634		30399	21164
4.659		3707	2061
4.712		1903	2122
4.735		1764	1258
4.758		830	449
4.774		7725	5248
4.805		15523	10294
4.828		76138	61692
4.871		21963	23550
4.911		7749	4821
4.946		132644	111375
4.975		24688	17686
4.997		16576	17041
5.068		241965	223883
5.189		2032	1098
5.211		10919	9237
5.257		27118	30404
5.411		202178	185920
5.48		252415	227306
5.529		76071	67303
5.64		6118	5881
5.792		2774	2666
5.839		119477	107335
5.997	DCB	9840643	9113972
6.334		1224	1193
6.45		8085	8211
6.621		1043	652
6.725		1531	2161
7.037		742	255
7.605		857	625
7.654		1060	860
7.712		787	684
8.007		1803	3484
8.099		676	405
8.14		805	741
8.333		1003	1310

IC48X1624B AAIC48XAA CCAL 1628299999 10736 SW-846 8082

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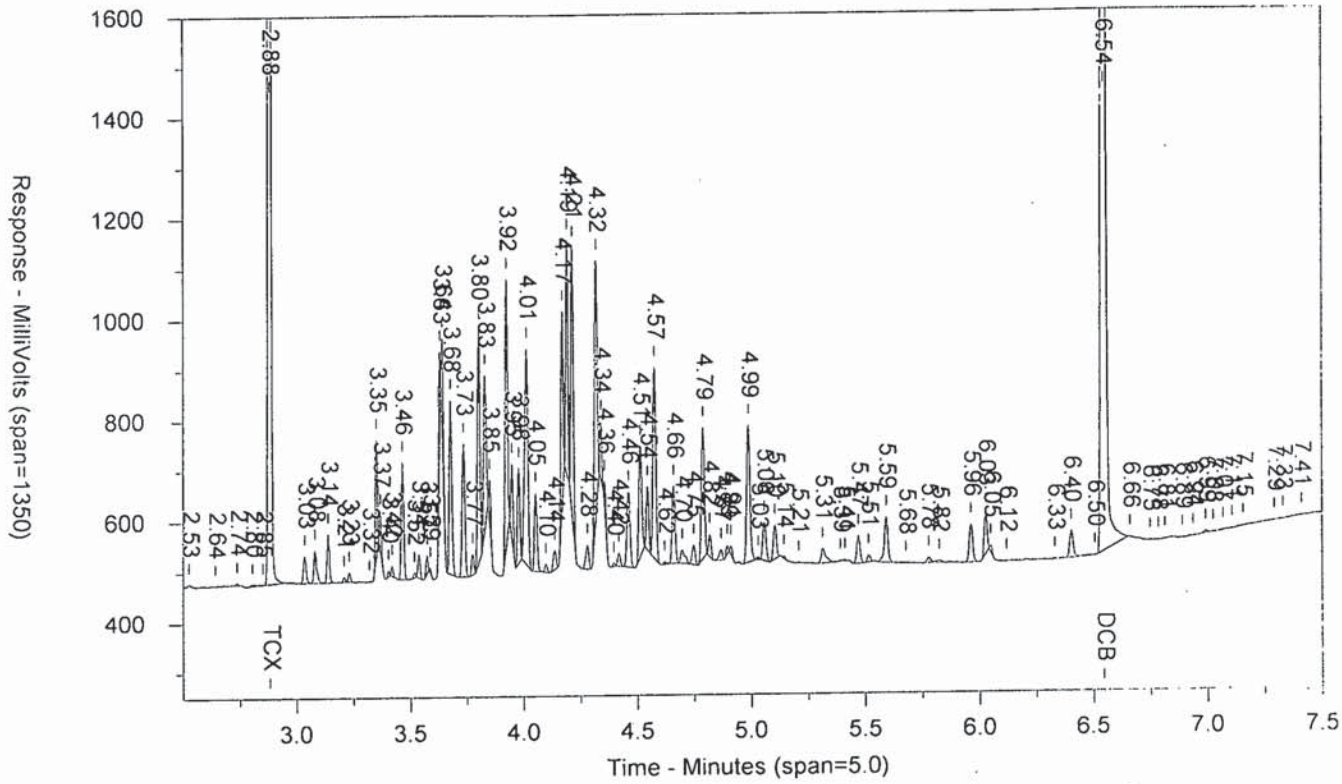

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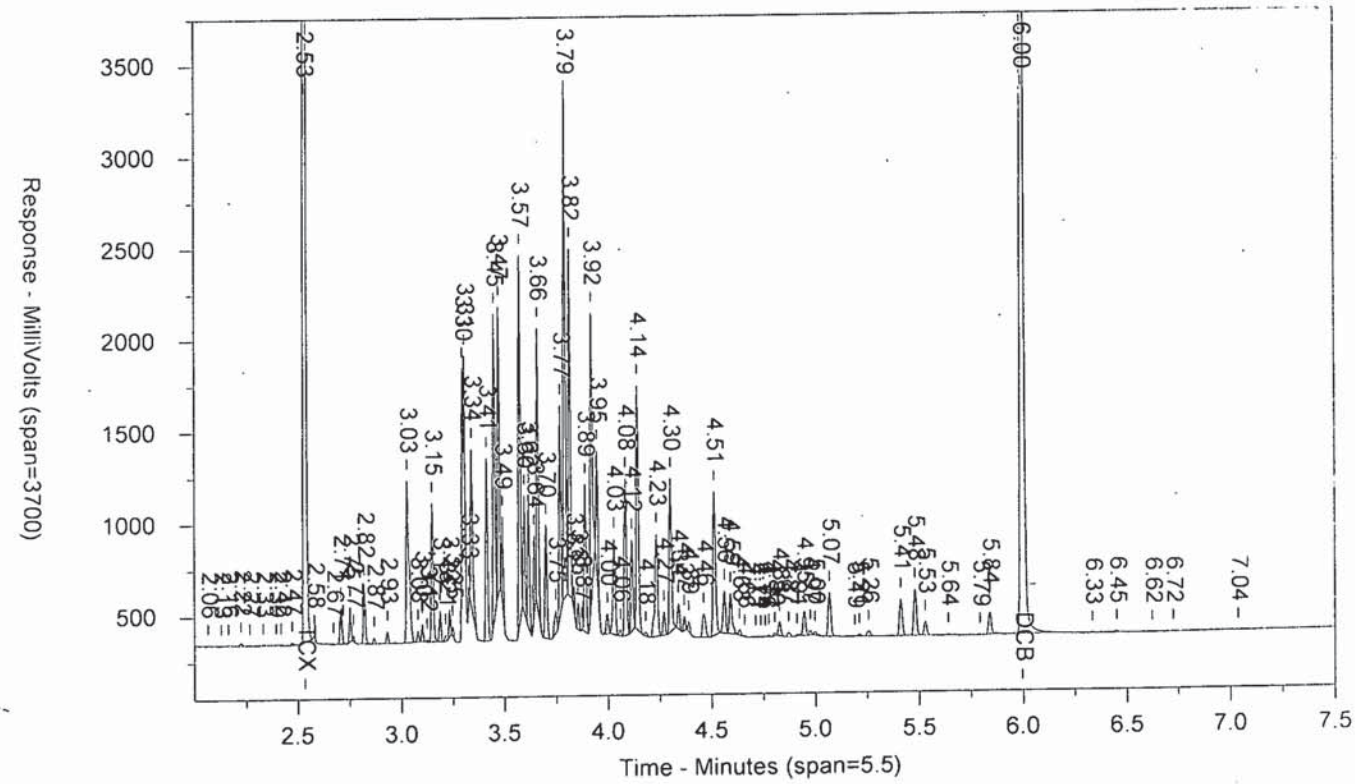

LANCASTER LABORATORIES

Sample Number: IC48X1624B AAIC48XAA CCAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 7:02:13 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.881	5378748	40.95	TCX	2.534	16221720	39.37	TCX
6.544	4869416	38.747	DCB	5.997	9840643	36.645	DCB

Files:
Area File: 07PCBS16283001.0030.RAW
Area File: 07PCBS16283001B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 7:10:55 PM
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IC48X1624B AAIC48XAA CCAL 1628299999 10736 SW-846 8082

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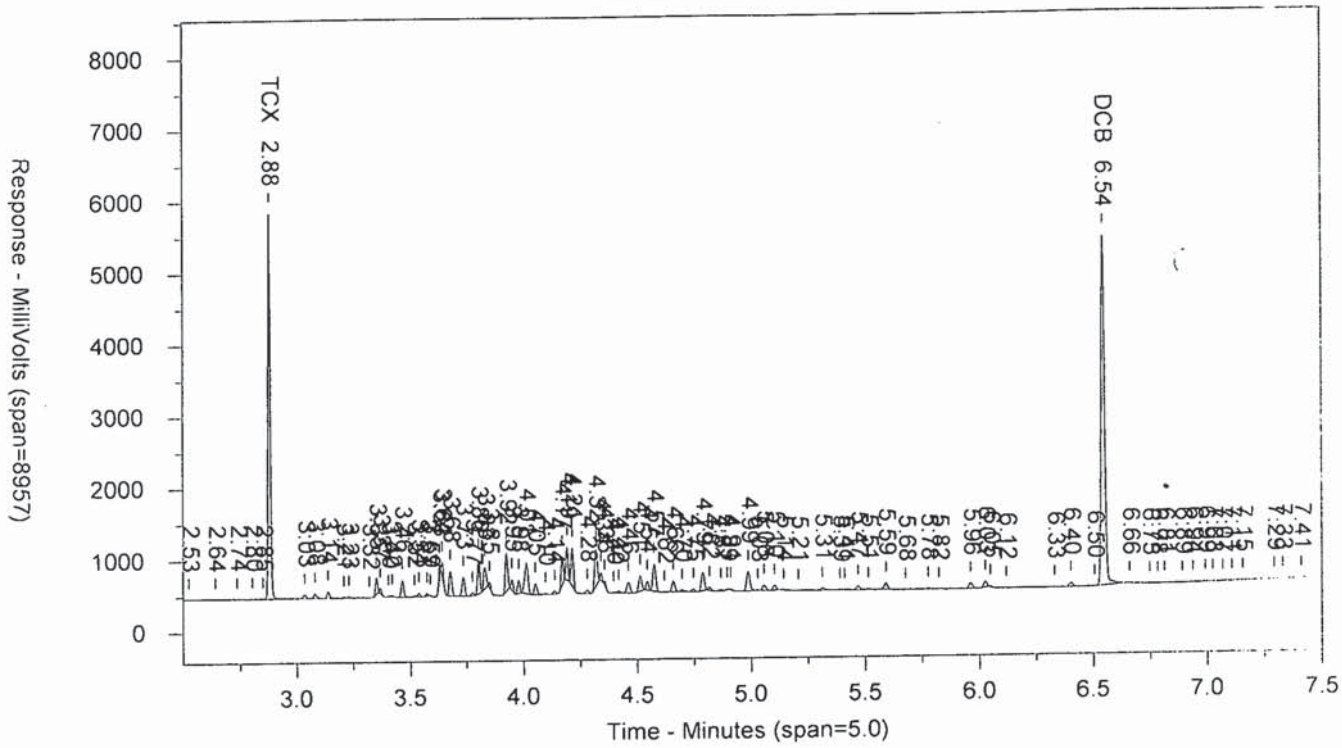

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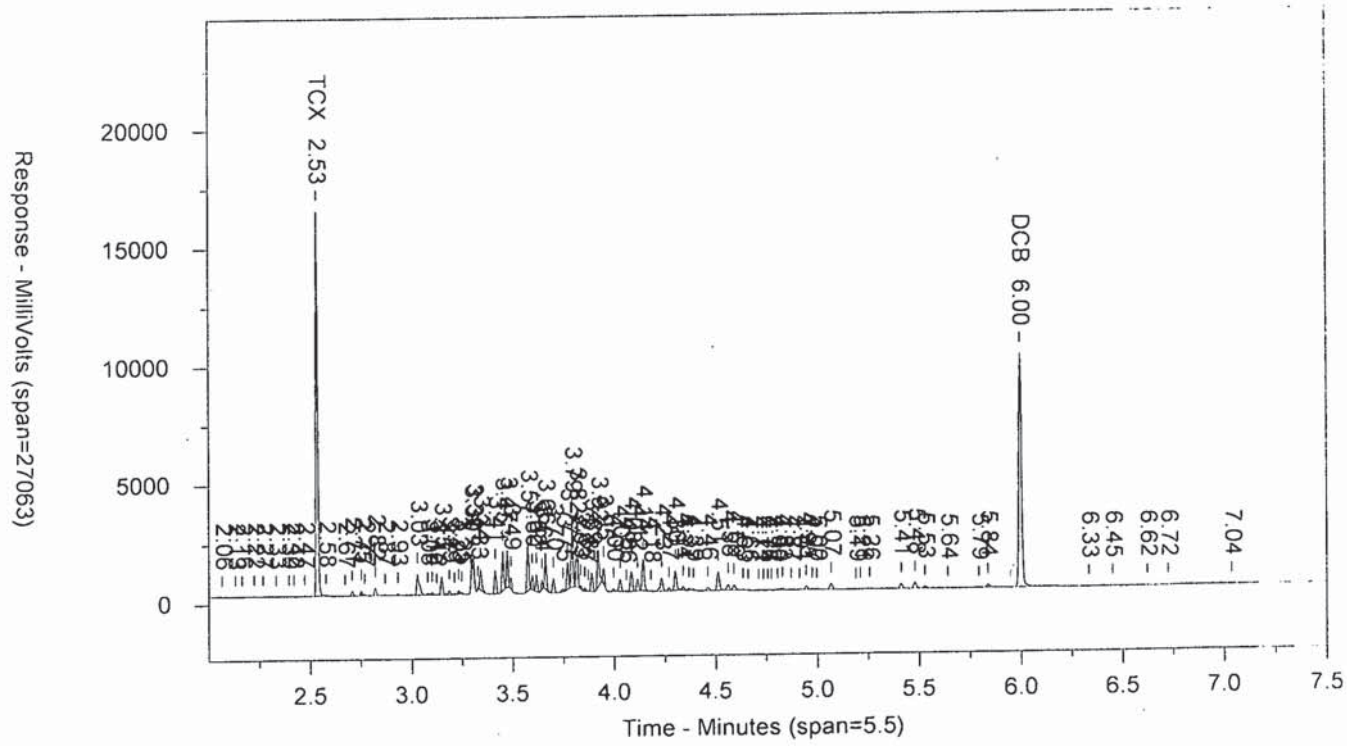

LANCASTER LABORATORIES

Sample Number: IC54X1624B AAIC54XAA CCAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 7:13:45 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001.0031.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.516		866	769
1.683		1112	510
1.723		1874	2452
1.901		4352	6660
1.947		10158	15457
2.011		6130	15168
2.059		7556	18425
2.177		11911	9329
2.271		6829	4937
2.288		4924	3321
2.392		2432	2816
2.445		1917	1152
2.528		2020	2601
2.63		2085	3947
2.721		1723	943
2.734		4814	8233
2.799		3805	5535
2.881	TCX	2605995	1758239
3.034		14180	12453
3.08		33292	26483
3.138		22203	16684
3.209		5195	3761
3.231		5835	3564
3.315		978	439
3.351		48931	29763
3.368		9947	7494
3.419		29951	22002
3.464		42932	30765
3.518		5232	3479
3.537		59356	40807
3.575		5935	4138
3.631		11612	6210
3.645		14483	11719
3.678		122202	96026
3.733		47450	36259
3.774		5239	3266
3.801		440794	327165
3.832		147250	163264
3.873		5753	3212
3.924		273151	207278
3.948		13170	7500
3.979		45844	32521
4.012		126437	157371
4.053		28391	22941
4.078		2508	1312
4.099		11563	8388
4.133		24204	17364
4.17		619605	462893
4.191		232703	144410
4.215		188666	135900
4.28		175311	154371
4.322		973616	1001099
4.357		339927	280269

RT A	Compound A	Height A	Area A
4.397		12157	7905
4.42		62335	47824
4.462		378299	349210
4.514		666678	609368
4.545		150354	104107
4.574		1387381	1212142
4.62		60393	44407
4.633		21248	10865
4.658		209776	168972
4.695		443538	452450
4.747		87341	78012
4.787		957054	896377
4.815		25915	15924
4.843		88027	72479
4.867		18197	10049
4.894		334539	259002
4.911		161436	100382
4.942		10156	8197
4.987		748501	752401
5.029		82178	65114
5.057		110374	144475
5.103		1100018	1366213
5.165		21684	15110
5.209		41524	50492
5.314		355740	480978
5.39		42084	39452
5.429		36570	34121
5.469		32638	31206
5.515		186978	177498
5.54		19929	13458
5.571		159569	195038
5.779		143831	136166
5.811		22720	24148
5.962		40392	42989
6.027		47715	42618
6.048		8596	5714
6.14		1099	399
6.206		8473	9115
6.33		1186	711
6.37		1064	753
6.403		26815	29361
6.501		1036	433
6.545	DCB	2448538	2617032
6.651		1706	2994
6.766		974	1292
6.849		2424	5565
6.893		1159	1051
6.957		1051	479
7.028		574	5127
7.168		730	743
7.193		1170	816
7.225		1570	1062
7.256		1616	1557
7.356		1439	2309
7.418		1261	1321
7.443		1228	1053
7.498		1230	1211
7.519		1305	1354
7.539		900	603
7.597		1558	1092
7.67		743	2329
7.717		1436	1257
7.835		1315	450
7.893		1372	1995
7.933		1438	2124
7.959		1717	1777

RT A	Compound A	Height A	Area A
8.005		1168	1659
8.04		1615	1437
8.083		1521	994
8.248		1221	1106
8.361		1514	1229
8.411		2714	3877
8.493		1518	744
8.582		8405	17527
8.635		1236	543

LANCASTER LABORATORIES

Sample Number: IC54X1624B AAIC54XAA CCAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 7:13:45 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS16283001B.0031.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.504		576	622
1.581		2701	2887
1.697		2158	2278
1.795		9302	29277
1.849		55411	46245
1.926		8028	24503
1.975		14560	11117
2.067		1193	857
2.128		3167	3690
2.223		7804	7056
2.332		3317	5244
2.42		4418	4248
2.472		11837	12282
2.534	TCX	8165862	4920836
2.58		12864	8476
2.707		55683	36861
2.752		101906	55083
2.769		8314	3859
2.82		80348	49602
2.868		15577	9595
2.931		19098	13835
3.028		186035	181114
3.08		8319	4308
3.1		96046	57851
3.126		1898	812
3.15		153754	102260
3.186		208442	124098
3.213		16414	8666
3.233		22350	11604
3.248		9048	5428
3.297		87890	86957
3.327		23704	10948
3.342		295213	232179
3.414		180062	114946
3.449		1578785	972311
3.472		765558	472998
3.506		38027	21717
3.573		971129	627051
3.595		83539	41056
3.616		191557	120848
3.644		315690	168413
3.661		336365	183093
3.699		151895	113197
3.743		133376	121402
3.769		319860	186294
3.791		3731519	2446841
3.815		332673	178998
3.834		338860	189536
3.855		624885	388846
3.889		3303171	2191013
3.919		1165393	665987
3.934		680401	338650
3.995		238757	169673
4.029		1265843	993341

4.084		2635076	1915347
4.115		703379	522543
4.142		4644611	3470125
4.18		326606	308438
4.232		2254487	1849838
4.269		305162	222318
4.3		2753430	1979847
4.324		318787	196785
4.367		1669353	1217285
4.388		56054	27664
4.46		1437639	1596494
4.512		1976775	1616733
4.553		515538	476766
4.59		3401589	3126607
4.635		242442	157318
4.659		103442	70785
4.714		34871	35856
4.755		11653	5887
4.774		138110	103994
4.806		150654	96186
4.828		958387	755972
4.877		135830	113415
4.912		106369	86726
4.944		117732	92077
4.974		375530	287216
4.997		331644	301967
5.068		128719	109418
5.188		1601	1126
5.213		16490	13949
5.254		386949	426499
5.411		107428	94133
5.461		5234	3285
5.48		119723	101420
5.53		50291	44093
5.639		19827	18134
5.673		1645	1432
5.84		61092	54119
5.893		1218	1214
5.998	DCB	5076048	4674702
6.451		3850	7524
6.624		816	493
6.804		940	1415
6.89		1034	989
7.426		750	1087
7.78		820	933
7.937		1099	2949
8.122		758	487
8.231		2085	6113
8.386		951	810
8.431		1011	1802

IC54X1624B AAIC54XAA CCAL 1628299999 10736 SW-846 8082

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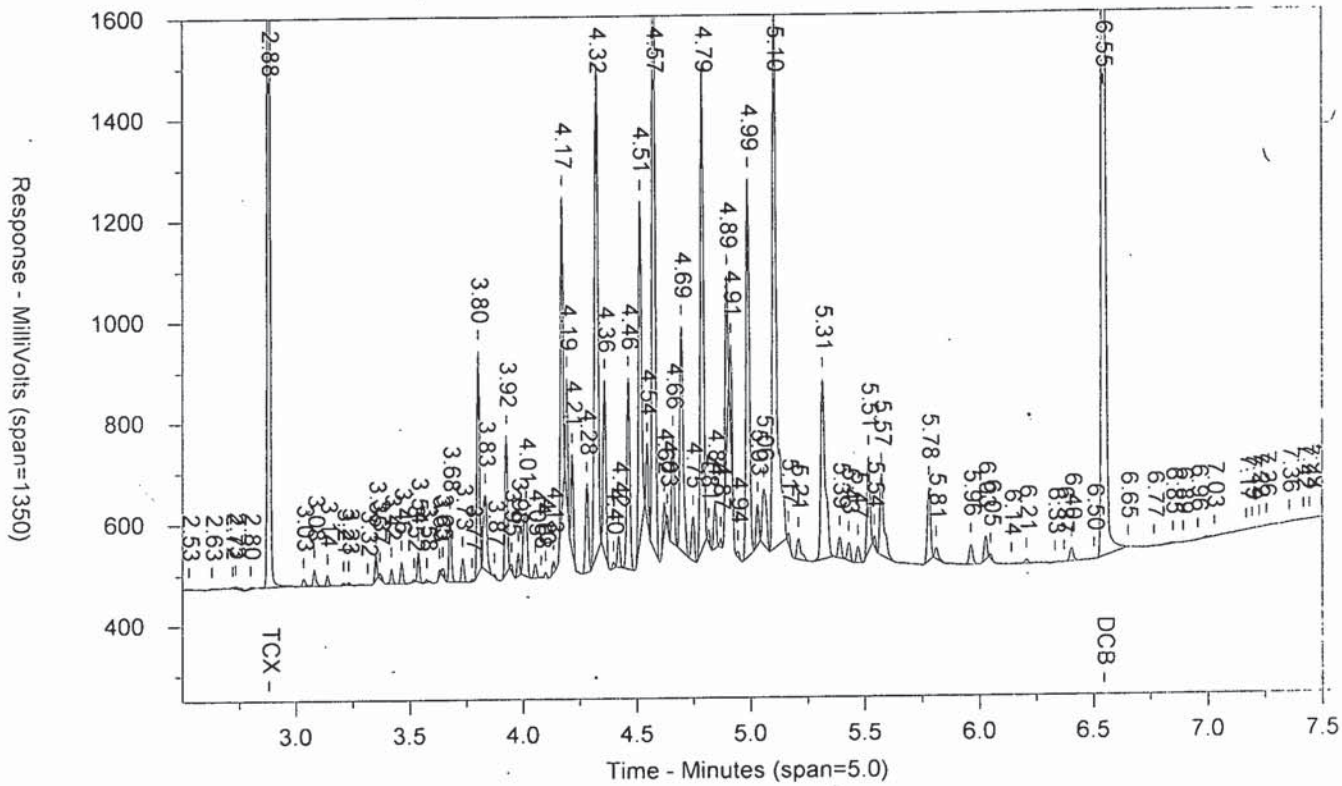

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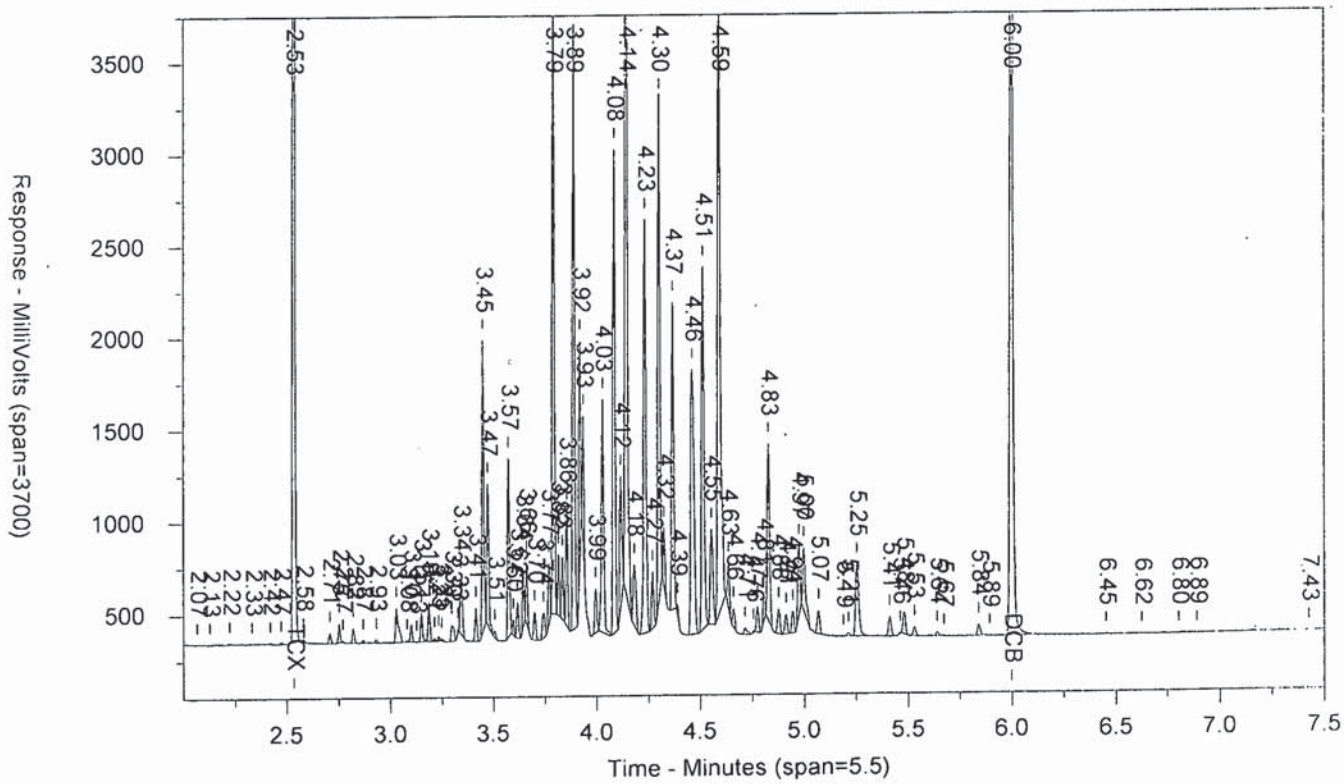

LANCASTER LABORATORIES

Sample Number: IC54X1624B AAIC54XAA CCAL 1628299999 10736 SW-846 8082
Injected On: 10/9/2016 7:13:45 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.881	2605995	19.84	TCX	2.534	8165862	19.818	TCX
6.545	2448538	19.484	DCB	5.998	5076048	18.902	DCB

Files:
Area File: 07PCBS16283001.0031.RAW
Area File: 07PCBS16283001B.0031.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2016 7:22:27 PM
File Reported On: 10/9/2016 at 7:22:35 PM

IC54X1624B AAIC54XAA CCAL 1628299999 10736 SW-846 8082

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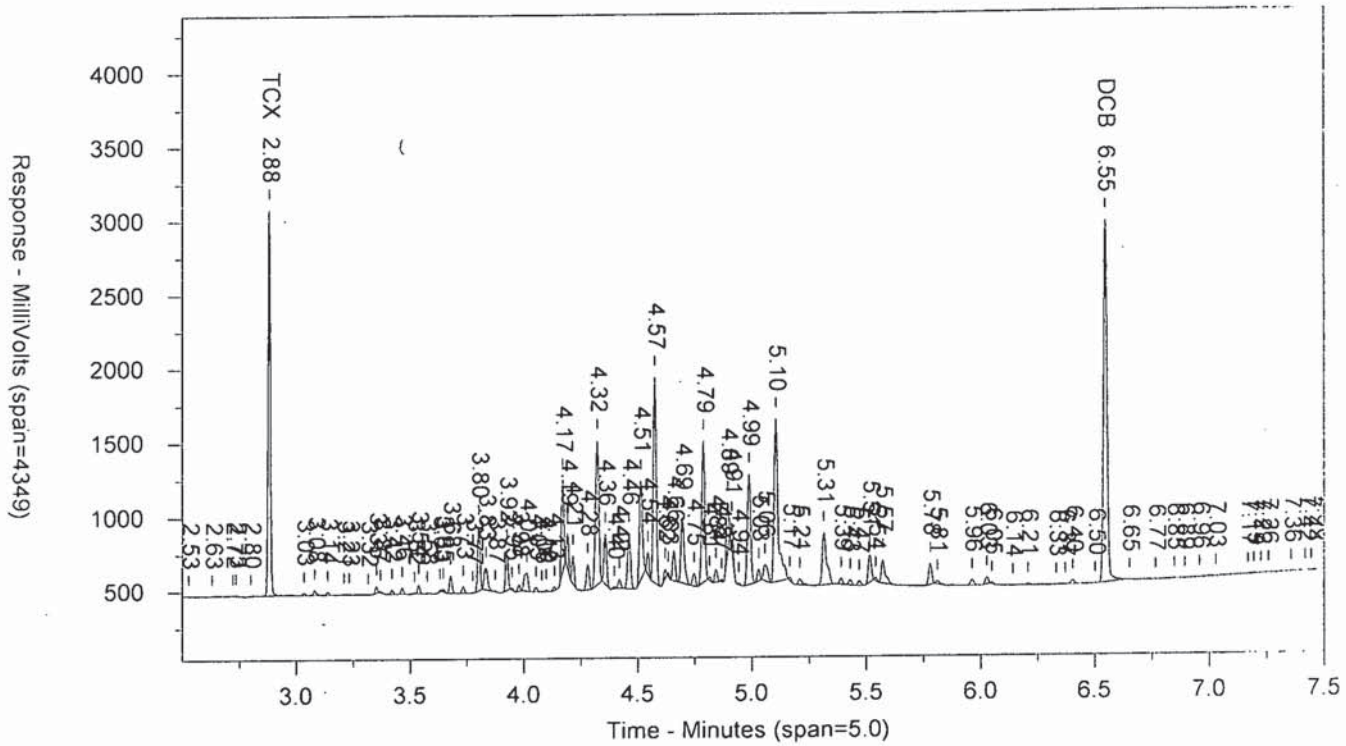

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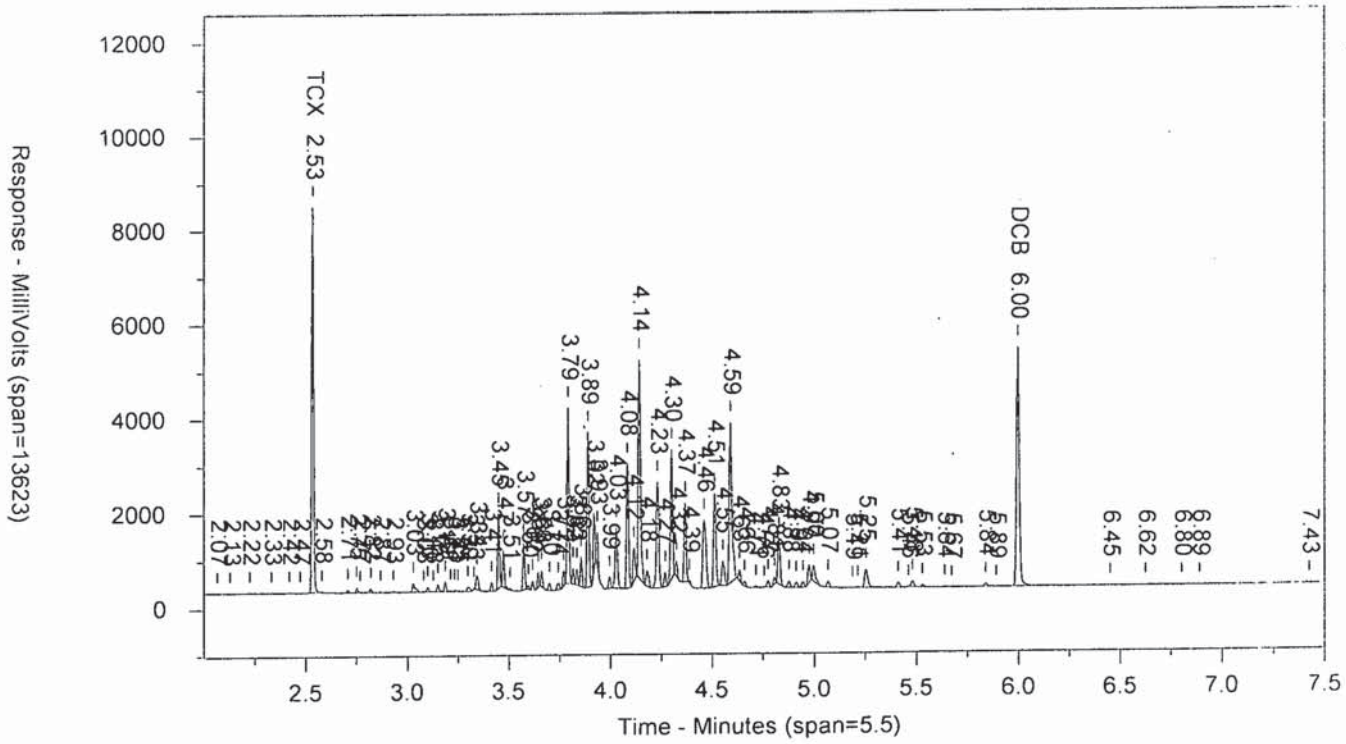

LANCASTER LABORATORIES

Sample Number: AR1631624B PBAR163PB CCAL 1628699999 10736 SW-846 8082
Injected On: 10/13/2016 7:21:30 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004.0041.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.566		1215	733
1.878		1117	1053
1.954		1513	3230
2.046		4072	10167
2.126		4872	12225
2.177		25829	22322
2.271		7312	6079
2.287		10244	8859
2.382		2038	1713
2.497		895	245
2.524		5268	6096
2.656		1108	1250
2.734		4571	3609
2.802		1729	1620
2.88	TCX	5535293	3731083
3.033		67575	57931
3.09		97340	107601
3.138		434429	307047
3.209		9868	5935
3.23		50109	35806
3.269		1547	1056
3.35		425323	259998
3.366		190197	98995
3.403		50636	29120
3.418		12193	4715
3.435		38706	23189
3.464		512290	392437
3.498		2156	913
3.518		8244	4928
3.536		15851	9872
3.573		109340	61615
3.587		48534	24010
3.631		202424	116811
3.641		564458	295488
3.677		616085	475487
3.735		502882	402647
3.775		39327	27108
3.802		351617	256024
3.828		267728	213344
3.849		81322	42492
3.924		380324	281785
3.948		129701	83973
3.978		143379	103594
4.014		377773	392434
4.053		120368	99896
4.098		16303	12419
4.137		20139	17488
4.17		363188	279653
4.191		94529	53435
4.213		106407	75466
4.281		55037	47282
4.323		386941	363901
4.355		8174	5394

RT A	Compound A	Height A	Area A
4.418		3265	2218
4.461		26902	25812
4.515		21042	18864
4.528		89990	63007
4.574		258803	233945
4.62		388027	447959
4.657		84039	59792
4.695		941666	890967
4.786		130187	156761
4.814		7394	4166
4.842		167882	159254
4.895		1130543	1442558
4.943		219338	195719
4.987		555590	614572
5.029		6130	3053
5.067		102932	126978
5.103		1379063	1561019
5.165		692102	663901
5.209		440301	428749
5.331		868479	1190132
5.389		425066	395995
5.429		209452	189027
5.469		43696	43488
5.515		279799	279682
5.571		2094490	2255631
5.777		1242817	1284936
5.817		80045	97445
5.831		151541	109504
5.962		60925	61430
6.026		55318	41515
6.048		201979	177176
6.12		2306	2181
6.205		541874	573991
6.25		32848	31480
6.402		182892	192996
6.506		1301	2050
6.545	DCB	5507982	5749007
6.621		3272	2523
6.697		1535	842
6.74		2156	1594
6.793		1256	502
6.812		2046	1511
6.842		2056	1449
6.905		1286	914
6.993		6242	7591
7.025		2043	1376
7.117		2300	1224
7.185		2122	1158
7.237		1714	926
7.288		1547	1964
7.312		1793	1191
7.331		1866	1112
7.404		1814	2489
7.444		1301	892
7.5		2208	1398
7.537		1043	2096
7.566		1386	538
7.583		1561	654
7.619		1680	1189
7.708		1474	856
7.733		1798	1070
7.785		1785	713
7.807		1368	808
7.882		1537	1390
7.993		1662	6076
8.037		2125	1610

RT A	Compound A	Height A	Area A
8.112		2414	4917
8.172		1480	1645
8.28		2537	1590
8.354		2041	4493
8.422		3696	6192
8.481		2299	1457
8.496		2102	2238
8.587		8945	24662

LANCASTER LABORATORIES

Sample Number: AR1631624B PBAR163PB CCAL 1628699999 10736 SW-846 8082
Injected On: 10/13/2016 7:21:30 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004B.0041.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.56		1213	656
1.704		6053	6948
1.732		6072	11342
1.774		8129	12719
1.805		8249	25375
1.849		87067	78819
1.912		6992	14224
1.975		29515	30736
2.079		1613	2774
2.104		1800	951
2.125		2687	3073
2.221		13541	9406
2.331		2637	3243
2.416		2395	2854
2.471		10116	6350
2.491		2368	1432
2.534	TCX	17257480	10374250
2.578		114619	78500
2.627		3215	2192
2.706		253028	161039
2.751		172275	86154
2.767		245594	130927
2.819		1367233	854927
2.867		36818	21905
2.93		180432	116291
3.027		1719518	1690444
3.078		209332	128622
3.098		88500	46983
3.124		148507	84278
3.148		1722344	1134256
3.185		54673	31137
3.212		27816	14224
3.231		427169	222721
3.246		238545	114616
3.296		688870	365319
3.304		1741779	806735
3.325		44099	15126
3.338		1779994	1179782
3.412		1891269	1203465
3.448		1287973	805832
3.47		1347524	741821
3.488		407659	209186
3.572		1558173	1014904
3.594		584526	315484
3.615		565630	332239
3.642		364528	187434
3.66		1321078	803893
3.699		494737	343915
3.746		58442	47409
3.768		357298	207026
3.789		1727371	1129436
3.814		345221	204412
3.833		53957	25726
3.853		211255	130144

3.887		1404821	964646
3.919		62078	33141
3.933		105688	62763
3.993		12805	14152
4.027		93333	77415
4.082		384203	271215
4.122		420768	252623
4.141		325613	164076
4.155		1013546	584439
4.179		547380	558351
4.23		3315851	2455119
4.279		37569	25375
4.299		281934	175484
4.323		653821	505405
4.365		3811250	2923661
4.463		2823694	2930025
4.515		404457	322876
4.553		837232	729764
4.588		3830864	3177637
4.62		1892655	1365485
4.658		1326258	1024204
4.712		1675	906
4.754		409022	303365
4.772		39951	21271
4.804		2347224	1876116
4.825		248773	142724
4.875		1285613	1156074
4.91		640565	508414
4.941		478055	379598
4.972		160441	98017
4.995		5398306	4709164
5.037		95028	70477
5.065		228765	185946
5.186		57461	36200
5.21		1107296	960976
5.254		3479018	3986391
5.409		172235	154346
5.458		60656	39939
5.478		149800	117491
5.527		615869	563393
5.638		1333366	1174407
5.669		69073	49724
5.788		2195	2291
5.837		425897	400560
5.96		1069	1409
5.995	DCB	11121460	10088180
6.172		2669	2832
6.305		899	1250
6.409		1095	878
6.448		7912	8238
6.621		2381	3493
6.691		1886	2604
6.82		1042	2026
7.275		1945	2156
7.323		1505	1801
7.486		1230	3473
7.546		813	440
7.615		977	2335
7.675		984	1074
7.719		1076	982
7.764		923	952
7.856		1114	745
7.928		985	1052
8.009		1957	3568
8.174		925	609
8.301		1199	607
8.621		928	768

AR1631624B PBAR163PB CCAL 1628699999 10736 SW-846 8082

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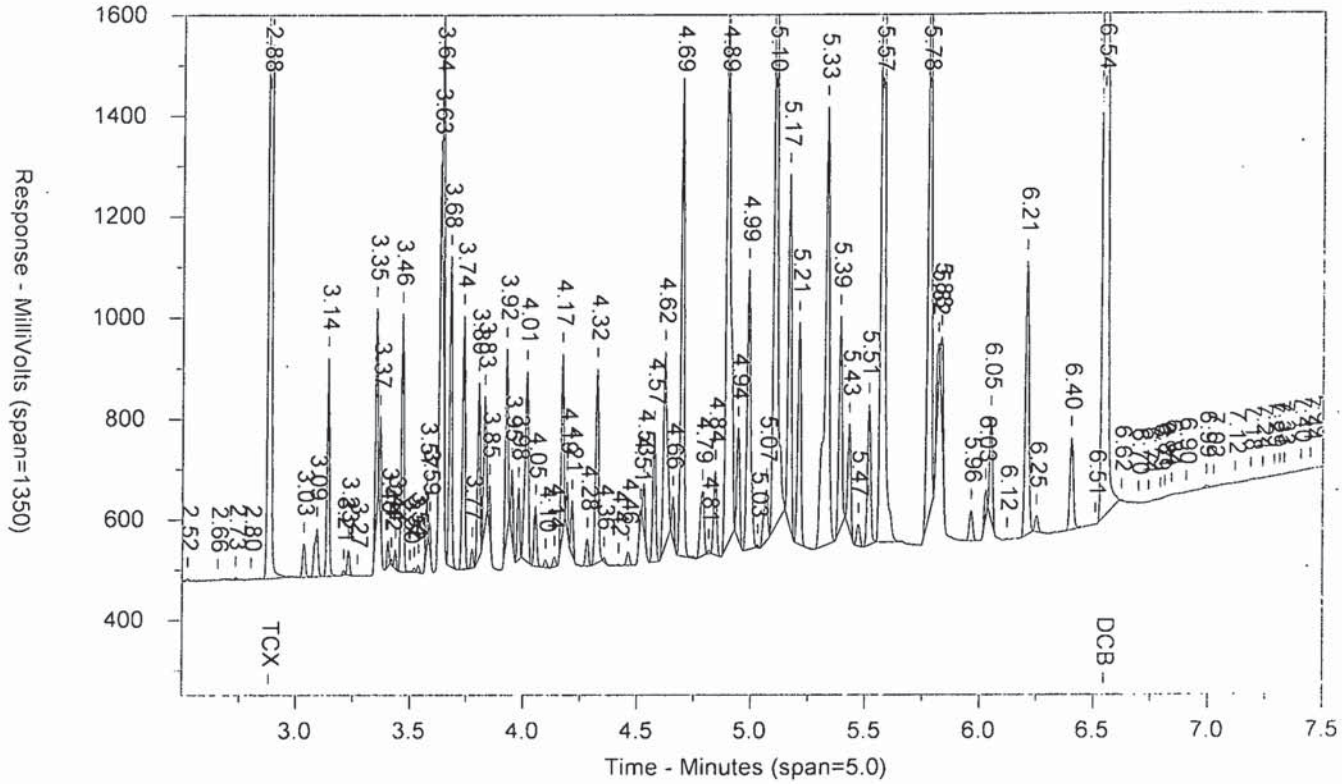

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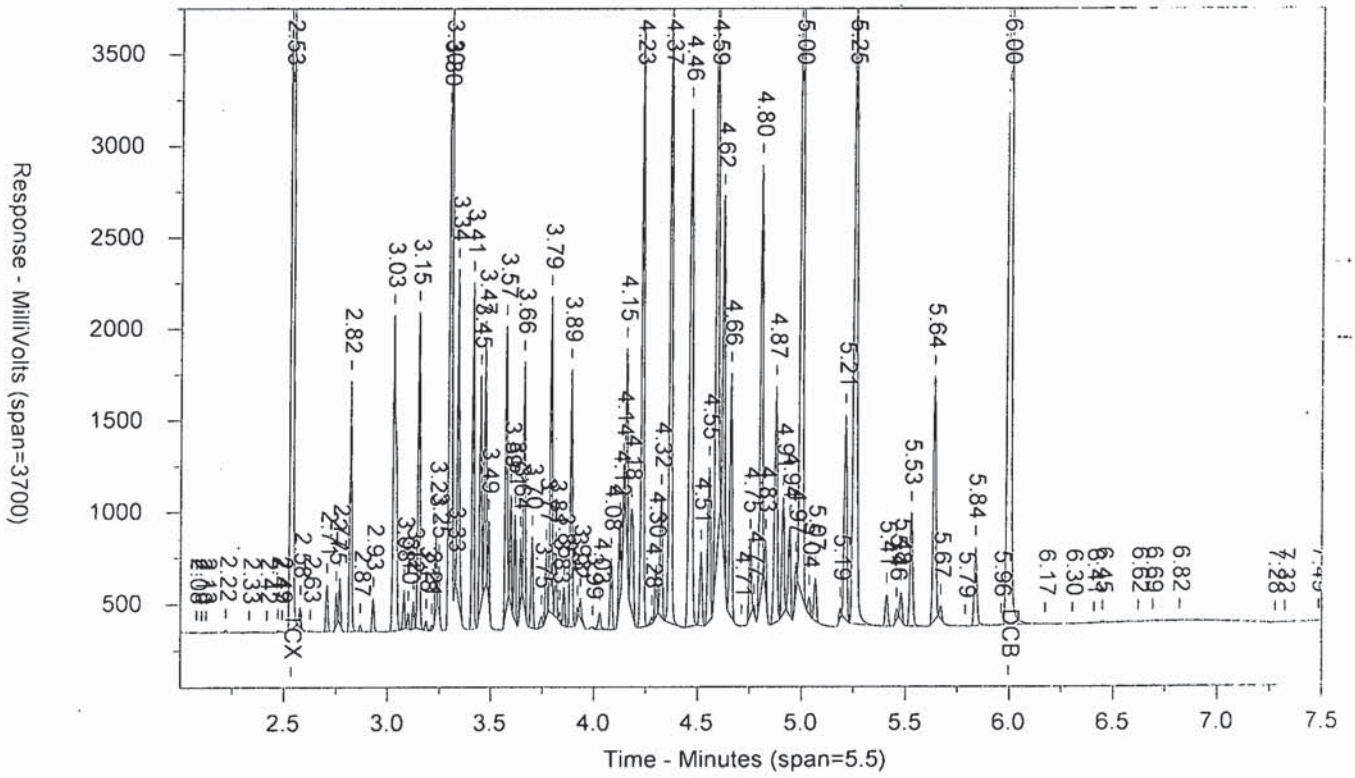

LANCASTER LABORATORIES

Sample Number: AR1631624B PBAR163PB CCAL 1628699999 10736 SW-846 8082
Injected On: 10/13/2016 7:21:30 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	5535293	42.142	TCX	2.534	17257480	41.884	TCX
6.545	5507982	43.829	DCB	5.995	11121460	41.415	DCB

Files:
Area File: 07pcbs16283004.0041.RAW
Area File: 07pcbs16283004B.0041.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/13/2016 7:30:15 PM
File Reported On: 10/13/2016 at 7:30:29 PM

AR1631624B PBAR163PB CCAL 1628699999 10736 SW-846 8082

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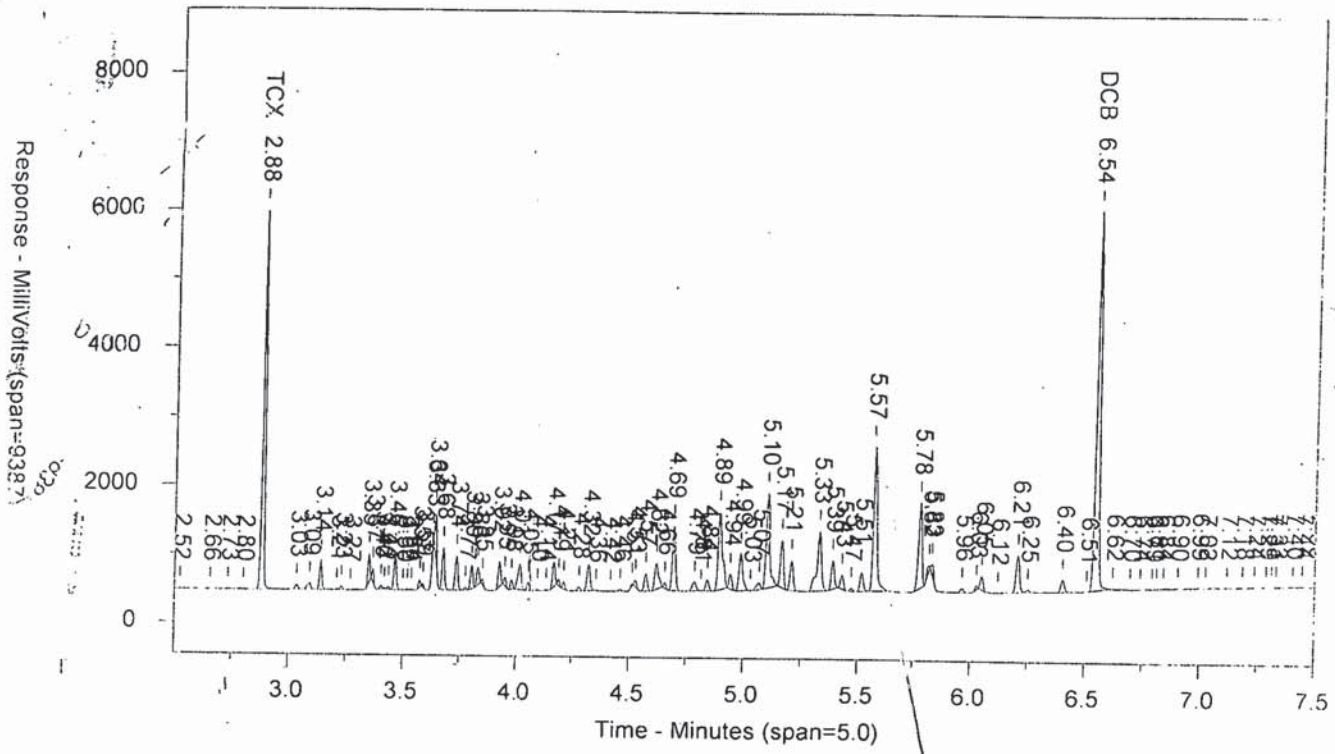

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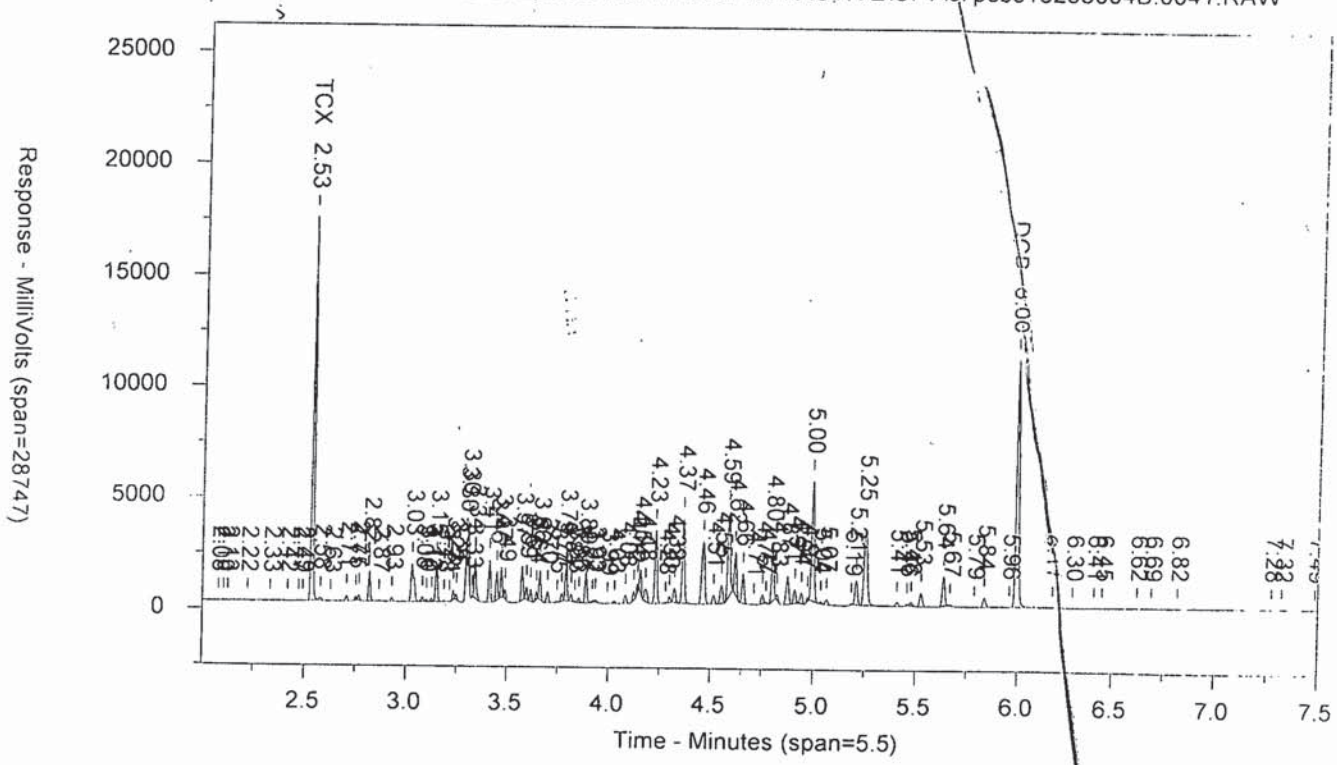

LANCASTER LABORATORIES

Sample Number: IBLKX1624B FZPIBLKFZ PIBLK1628699999 10736 SW-846 8082
Injected On: 10/13/2016 7:32:49 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004.0042.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		7155	9475
1.702		1516	4369
1.835		1517	603
1.865		1128	947
1.896		2155	4059
1.942		4339	4811
2.049		2529	2163
2.101		1977	875
2.152		1243	1128
2.176		13974	10266
2.247		1880	929
2.271		4649	4089
2.287		5640	4646
2.426		1416	4625
2.447		2008	2226
2.535		2550	4678
2.688		1951	2483
2.719		1507	1159
2.783		1884	997
2.807		3563	4424
2.88	TCX	2922708	1990716
2.966		1174	791
3.055		1565	1638
3.079		37260	25484
3.152		1953	1447
3.208		7193	5342
3.279		1928	2485
3.354		2535	3346
3.421		2343	2423
3.476		1455	971
3.518		6283	6201
3.615		5878	5901
3.832		738	800
3.881		1055	232
3.896		1652	599
3.942		1104	660
4.109		1735	1781
4.134		3366	4481
4.202		2169	1986
4.243		3123	3535
4.474		1137	3601
4.572		1233	1216
4.603		1753	999
4.692		1521	1313
4.75		1718	2102
4.798		1053	1368
4.82		1860	1283
4.9		1344	574
4.982		1567	713
5.056		4628	4879
5.145		2180	3698
5.205		754	810
5.255		1230	603

RT A	Compound A	Height A	Area A
5.338		908	2209
5.376		2057	2263
5.399		2207	2159
5.475		2934	3498
5.591		8744	9067
5.668		1499	493
5.726		1906	2337
5.777		1355	474
5.908		1001	3715
5.96		23366	23989
6.025		27744	28049
6.173		2259	16021
6.245		1225	1395
6.262		1329	705
6.285		2044	2121
6.348		1051	3964
6.401		21299	21764
6.458		1563	900
6.483		1686	1713
6.543	DCB	3062598	3175808
6.711		958	1197
6.859		1993	10041
6.996		993	2418
7.072		1346	2666
7.168		1201	276
7.198		1210	302
7.254		2380	3452
7.385		1731	3315
7.416		1233	441
7.447		1112	528
7.55		1499	1230
7.59		1840	819
7.659		1431	2085
7.68		1754	664
7.713		1513	795
7.726		1573	779
7.832		1699	2500
7.858		1865	1144
7.91		1597	1250
7.929		1470	782
7.979		1723	896
8.014		1899	986
8.069		1897	3178
8.109		2106	4103
8.146		1958	1364
8.205		1430	1367
8.234		1666	1230
8.306		1537	934
8.343		3165	5884
8.418		3241	4726
8.517		1573	1821
8.581		9838	23917

LANCASTER LABORATORIES

Sample Number: IBLKX1624B FZPIBLKFZ PIBLK1628699999 10736 SW-846 8082
Injected On: 10/13/2016 7:32:49 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004B.0042.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.574		2600	2116
1.605		1254	1411
1.699		2407	2232
1.792		9794	29517
1.85		49209	41744
1.903		8416	15224
1.976		18063	17767
2.005		7124	8126
2.08		1633	2548
2.107		2024	954
2.128		1694	1622
2.214		3589	3950
2.276		1449	1550
2.329		4144	8758
2.414		5907	8052
2.47		6147	10559
2.534	TCX	9198201	5641388
2.606		2502	5566
2.699		4315	3580
2.751		119326	68961
2.792		2619	3948
2.867		21127	15083
2.967		1678	1517
2.998		1251	1245
3.044		2883	2247
3.089		2412	3499
3.111		1427	811
3.212		19223	12436
3.252		18775	11848
3.302		5710	7071
3.337		5296	6103
3.376		2936	2429
3.449		895	533
3.511		3650	11315
3.612		2140	5362
3.639		9575	14585
3.749		5847	4926
3.859		5817	11977
3.983		8920	11296
4.139		3299	8938
4.336		5218	8374
4.393		3038	4775
4.477		1620	3139
4.513		1869	1262
4.56		13767	10575
4.7		991	2507
4.741		4681	5517
4.803		1698	1193
4.867		3141	3689
4.924		1215	1025
4.941		2904	2402
5.02		899	1939
5.066		22778	19239
5.226		5809	20445

5.309		4266	17042
5.368		1516	1393
5.41		66088	56461
5.478		77912	68196
5.528		4403	4185
5.686		658	1435
5.837		51346	43925
5.867		1670	844
5.995	DCB	6208665	5585930
6.334		1176	1305
6.448		4182	4664
6.617		1288	1016
6.796		727	987
7.488		991	4748
7.528		1011	502
7.63		1214	597
7.695		944	817
7.776		692	1321
8.004		1462	1746
8.632		1227	518

IBLKX1624B FZPIBLKFZ PIBLK1628699999 10736 SW-846 8082

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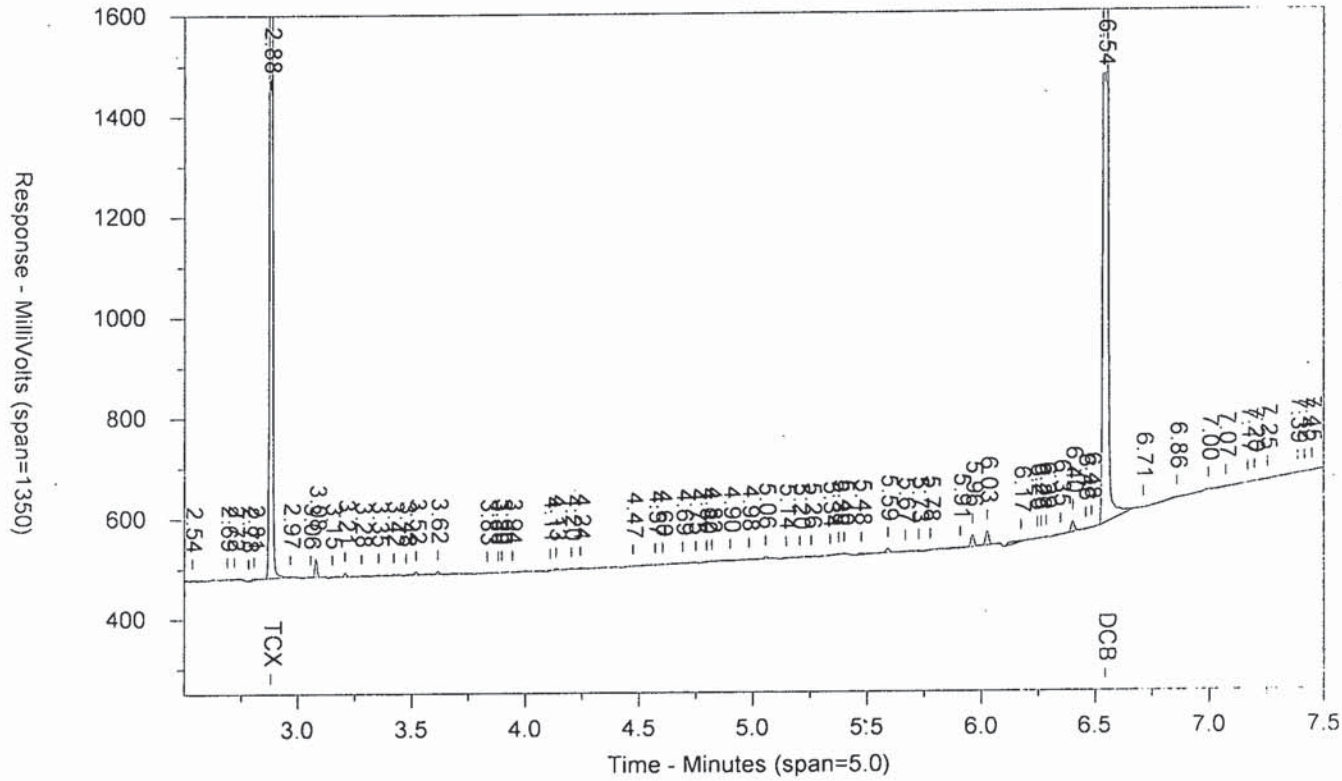

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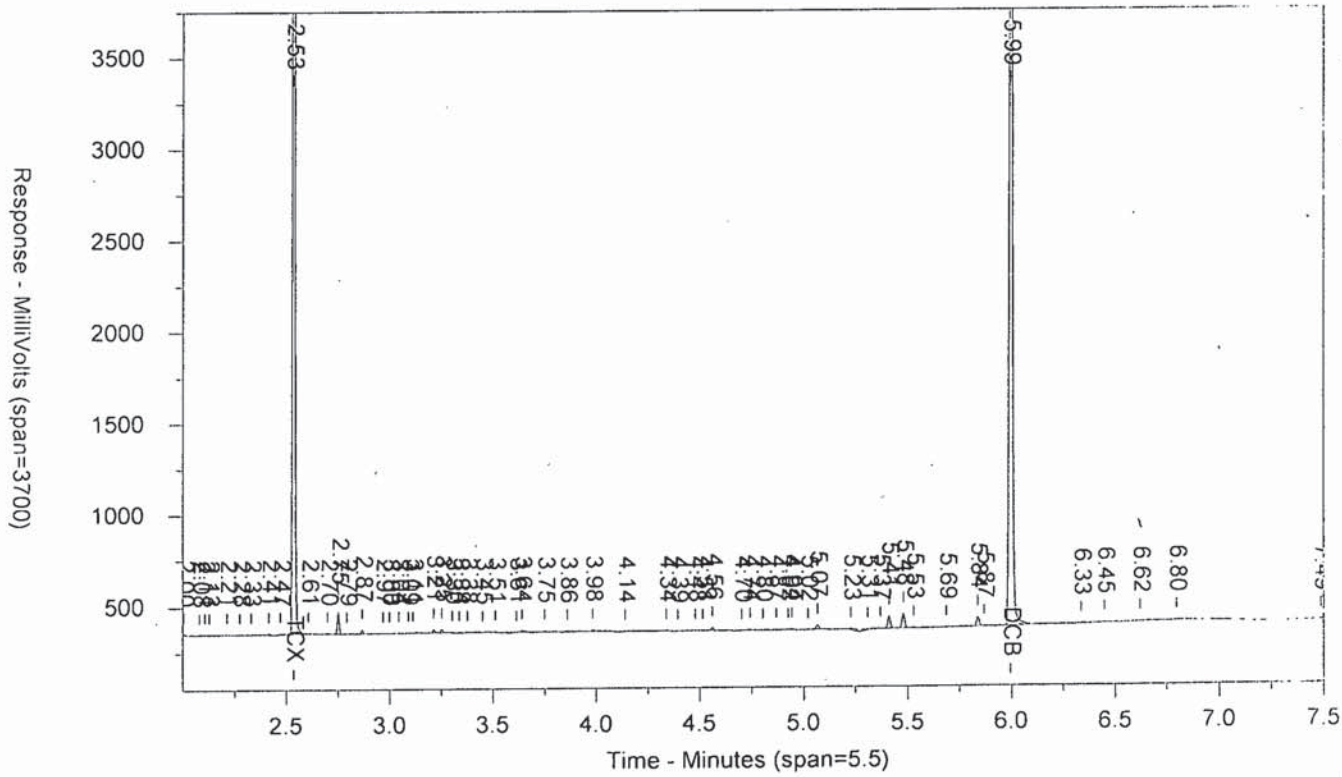

LANCASTER LABORATORIES

Sample Number: IBLKX1624B FZPIBLKFZ PIBLK1628699999 10736 SW-846 8082
Injected On: 10/13/2016 7:32:49 PM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	2922708	.223	TCX	2.534	9198201	.223	TCX
6.543	3062598	.244	DCB	5.995	6208665	.231	DCB

Files:
Area File: 07pcbs16283004.0042.RAW
Area File: 07pcbs16283004B.0042.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/13/2016 7:41:33 PM
File Reported On: 10/13/2016 at 7:41:45 PM

IBLKX1624B FZPIBLKFZ PIBLK1628699999 10736 SW-846 8082

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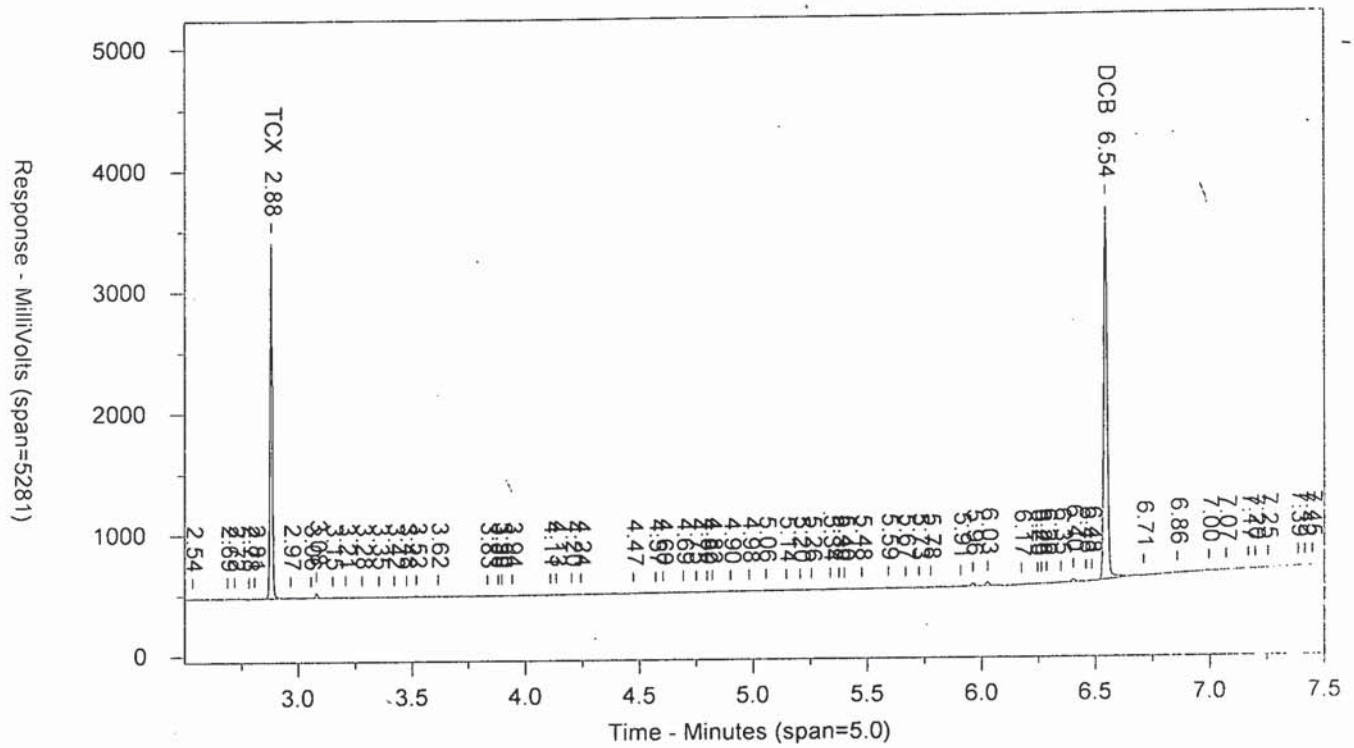

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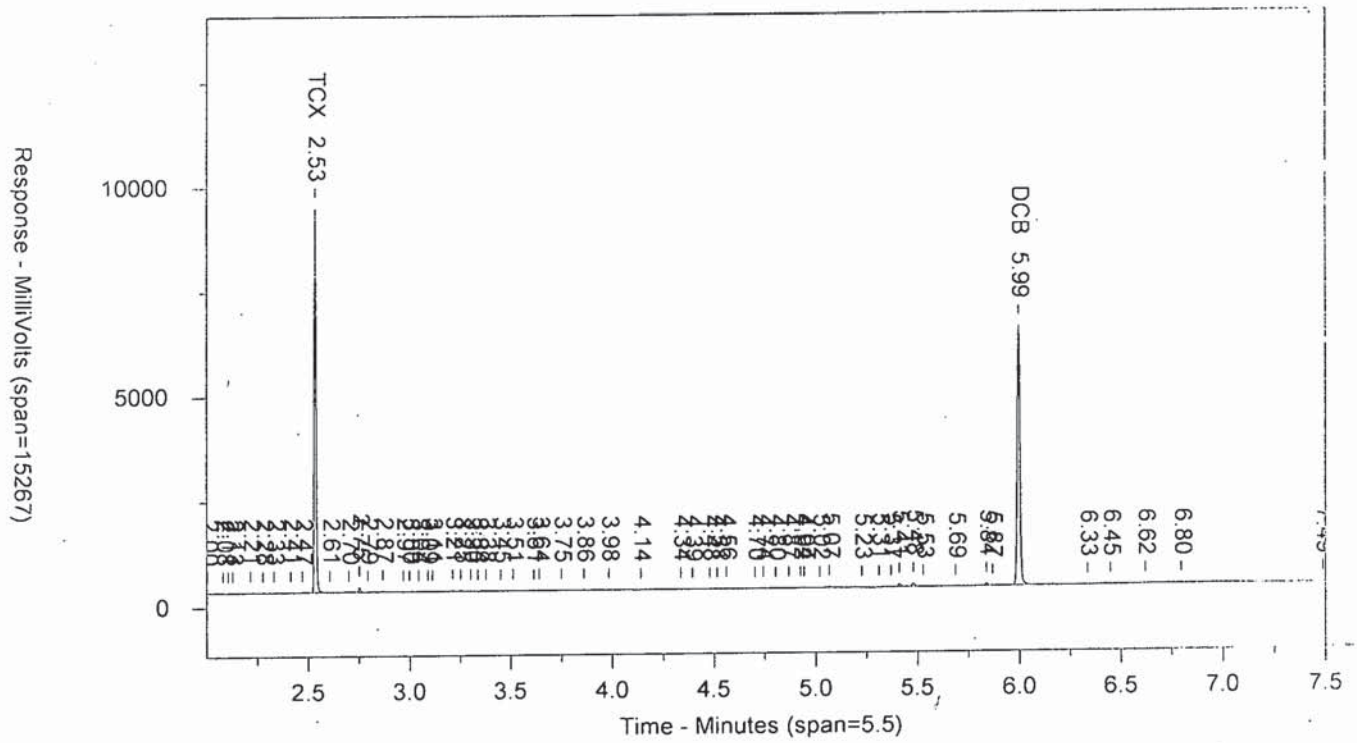

LANCASTER LABORATORIES

Sample Number: AR1631624B PCAR163PC CCAL 1628699999 10736 SW-846 8082
Injected On: 10/13/2016 11:32:14 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004.0063.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		1735	1331
1.641		1114	1109
1.723		1452	879
1.766		1489	932
1.838		1690	1637
1.973		7965	23822
2.056		11355	32864
2.104		8458	20859
2.149		6369	7078
2.176		28148	29589
2.249		5328	8620
2.269		7900	6738
2.287		13062	14947
2.353		5426	12229
2.387		3262	2498
2.455		3777	11123
2.486		3182	3228
2.523		6507	9291
2.658		1139	580
2.732		2361	2654
2.784		2169	945
2.807		2909	2958
2.88	TCX	5425221	3661605
2.968		2187	2013
3.033		68266	57394
3.081		15522	9592
3.09		49465	25350
3.138		427798	300983
3.208		10201	6343
3.23		50752	35528
3.35		420887	255353
3.366		197290	102646
3.403		47461	27274
3.418		11819	4643
3.435		39881	22886
3.464		506251	381965
3.497		2426	1185
3.518		7843	4975
3.537		16099	9831
3.573		102739	59327
3.587		47044	24239
3.631		148802	98414
3.641		556378	292137
3.677		610087	467316
3.735		513791	394544
3.773		37105	25474
3.801		340247	251969
3.828		257128	210740
3.849		77986	40459
3.923		374921	274730
3.947		121148	80311
3.977		139025	100576
4.013		363365	382763

RT A	Compound A	Height A	Area A
4.052		116422	98872
4.097		15768	12364
4.136		19055	16771
4.17		352147	273542
4.19		84730	48938
4.213		99722	72911
4.28		53650	46354
4.322		370208	356185
4.356		9368	5652
4.415		2130	1621
4.461		31286	31481
4.514		16566	16639
4.527		87750	62616
4.573		248290	229110
4.618		386822	437977
4.655		84612	60976
4.694		877910	861083
4.738		3482	3736
4.785		134674	153749
4.815		8453	5181
4.841		165987	156662
4.892		1109670	1407507
4.941		217456	192345
4.986		538614	599830
5.028		6748	3712
5.066		104396	126252
5.102		1356194	1520284
5.164		671188	649369
5.208		438977	420768
5.33		860958	1173559
5.389		397108	389183
5.428		209286	186221
5.469		47490	46085
5.514		283426	277085
5.57		2096163	2245525
5.777		1186388	1272555
5.814		131299	118847
5.829		134125	92232
5.961		63491	64065
6.025		48378	39494
6.048		207391	178319
6.204		556894	577750
6.249		33689	32922
6.356		1408	526
6.401		194490	192941
6.478		1258	622
6.544	DCB	5518185	5806632
6.664		5350	10174
6.753		3167	4331
6.844		4589	8724
6.913		1719	1190
6.95		2941	5840
6.99		3827	4143
7.065		1678	1581
7.122		1916	935
7.208		1850	6166
7.224		1675	984
7.25		1125	596
7.314		1703	1897
7.367		1310	1570
7.414		768	1433
7.472		1322	1603
7.52		1460	1632
7.583		1366	1016
7.655		1357	3689
7.716		1502	1652

RT A	Compound A	Height A	Area A
7.782		1344	708
7.833		2000	843
7.908		2208	3015
8.024		1042	1206
8.065		1348	1109
8.107		1360	1803
8.17		1533	503
8.213		1107	823
8.256		1412	475
8.296		1407	468
8.383		1275	2288
8.409		3731	6156
8.478		1632	1372
8.544		1155	601
8.579		7853	16762

LANCASTER LABORATORIES

Sample Number: AR1631624B PCAR163PC CCAL 1628699999 10736 SW-846 8082
Injected On: 10/13/2016 11:32:14 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004B.0063.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.576		4504	3990
1.651		1384	1452
1.673		2482	1682
1.7		1873	1581
1.793		9889	32007
1.849		81313	64584
1.929		11402	38493
1.975		31290	31776
2.067		2072	2286
2.104		2479	1353
2.128		3187	3064
2.169		3042	4954
2.22		15433	11052
2.286		2152	2848
2.331		1885	3088
2.414		2722	4451
2.472		5076	4820
2.492		2219	1189
2.534	TCX	17025960	10237120
2.578		111437	76945
2.626		2992	1871
2.706		253748	164945
2.751		164930	83306
2.767		222040	121858
2.819		1328739	846446
2.867		35955	21678
2.93		178764	113340
3.027		1703033	1661368
3.078		205769	126109
3.098		86038	45818
3.124		147581	82496
3.148		1669576	1116500
3.185		55911	32124
3.212		28854	13818
3.232		414317	218759
3.247		226878	110620
3.296		623376	369882
3.305		1828019	799448
3.326		28899	12108
3.339		1683198	1157023
3.412		1852809	1178634
3.448		1249515	791119
3.471		1298946	726801
3.488		408088	204138
3.572		1460104	956235
3.594		584353	310818
3.615		554741	325547
3.643		356671	182877
3.66		1293468	778927
3.699		498669	337766
3.746		58881	49056
3.768		344189	200814
3.789		1690256	1101110
3.814		348504	201019

3.832		49963	22753
3.853		199799	127454
3.887		1357853	944858
3.919		65935	34078
3.933		98171	59779
3.992		12672	14699
4.027		97445	87899
4.082		373464	267532
4.122		416721	253250
4.141		366251	178102
4.155		1006143	562359
4.179		564976	545040
4.23		3241126	2399308
4.278		34382	24519
4.298		262222	169894
4.322		624465	492087
4.364		3629544	2794013
4.462		2692589	2874761
4.514		389336	320772
4.553		834685	716974
4.586		3655707	3105401
4.619		1848695	1326157
4.657		1215160	980604
4.716		1549	946
4.725		1380	438
4.753		404006	296145
4.771		47735	23405
4.802		2385047	1848130
4.824		231363	135113
4.874		1241309	1141833
4.909		625664	506697
4.941		482700	377192
4.971		153418	91586
4.994		5652138	4660185
5.035		95533	70622
5.065		237154	194071
5.185		60363	36938
5.208		1109832	956902
5.253		3489922	3927680
5.408		174408	153414
5.456		63289	42038
5.477		143864	112112
5.526		641181	570570
5.636		1326511	1190331
5.668		67742	49590
5.836		440952	416243
5.956		1257	708
5.994	DCB	11369710	10292850
6.168		2522	2131
6.338		1363	1919
6.379		1526	3616
6.447		8543	8111
6.518		1175	1152
6.618		1306	1347
6.693		3364	3803
6.779		1961	6257
7.153		1028	541
7.274		3152	5867
7.697		1343	2495
7.84		1172	1945
7.924		891	432
8.004		1403	2002
8.138		1024	799
8.401		1254	994

AR1631624B PCAR163PC CCAL 1628699999 10736 SW-846 8082

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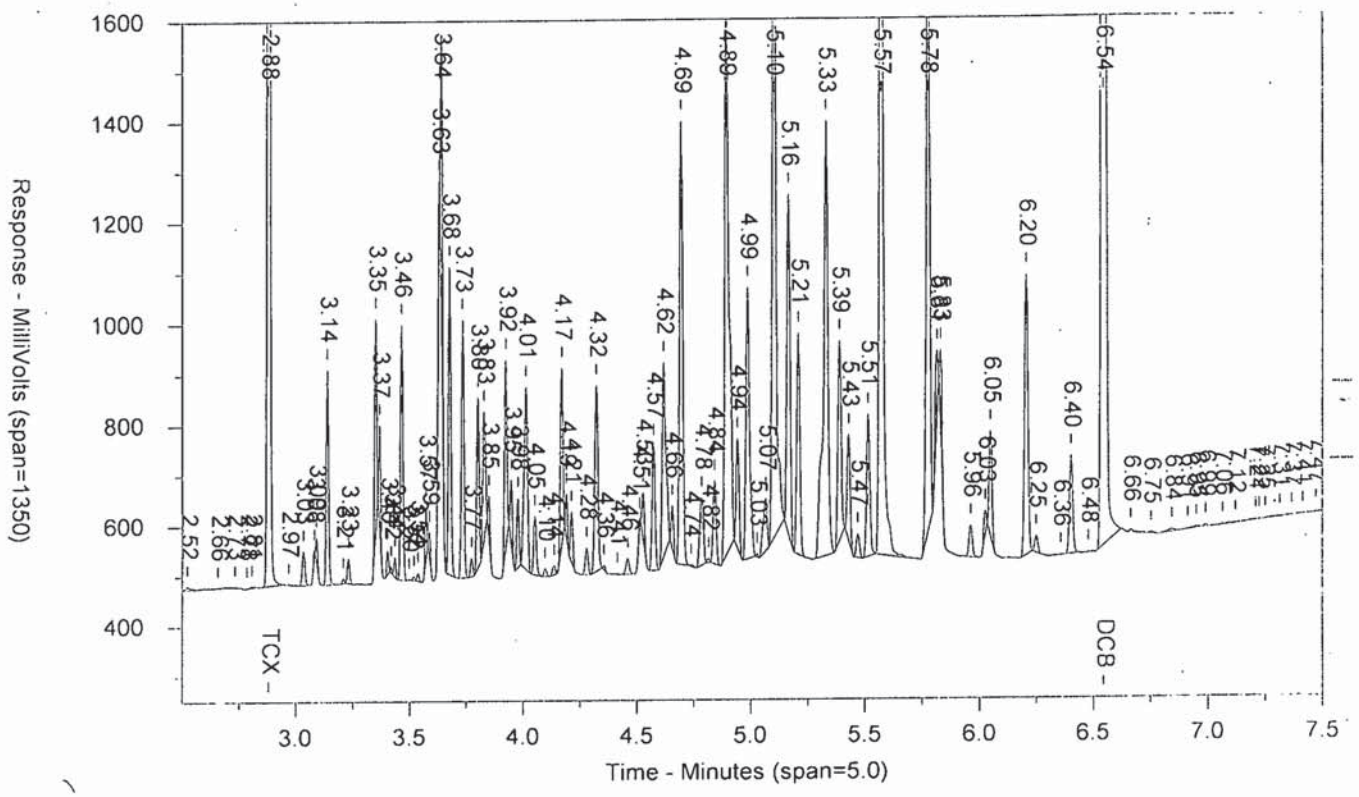

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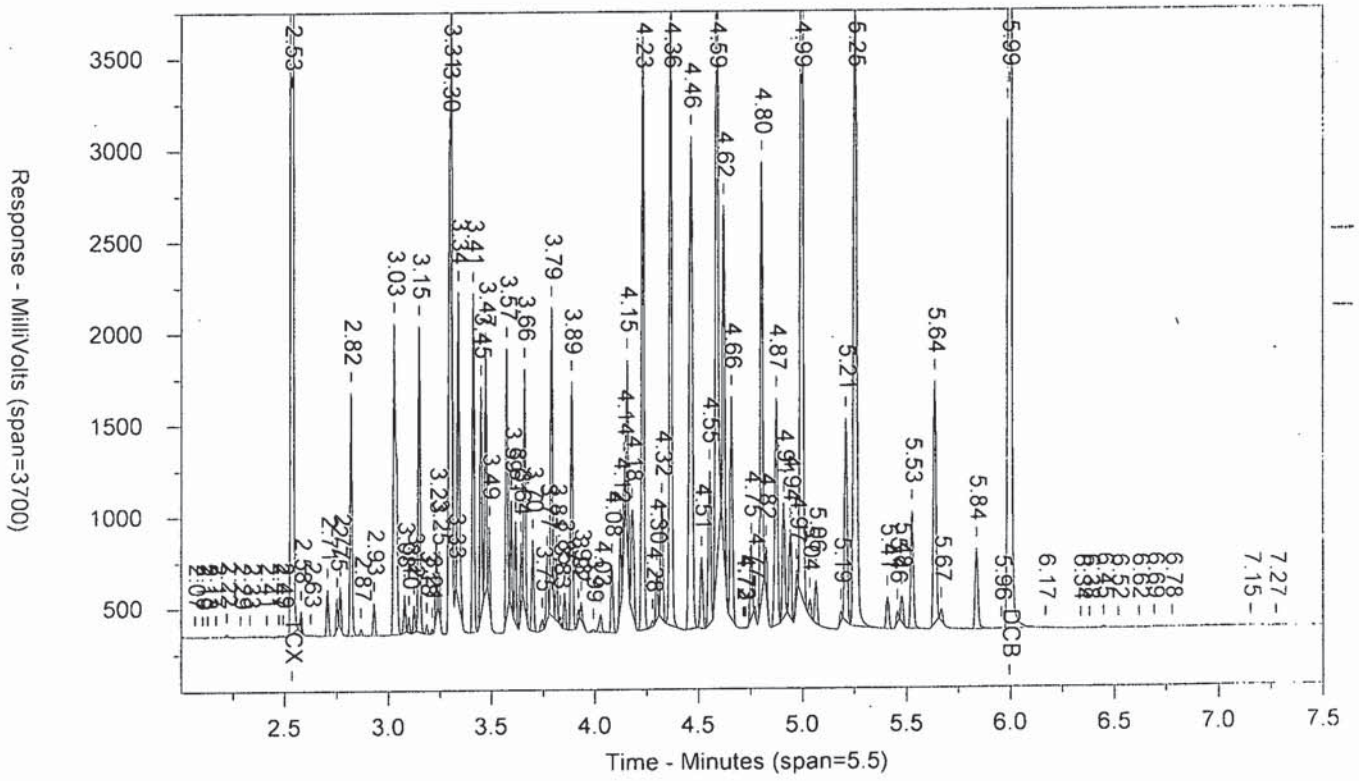

LANCASTER LABORATORIES

Sample Number: AR1631624B PCAR163PC CCAL 1628699999 10736 SW-846 8082
Injected On: 10/13/2016 11:32:14 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	5425221	41.304	TCX	2.534	17025960	41.322	TCX
6.544	5518185	43.91	DCB	5.994	11369710	42.339	DCB

Files:
Area File: 07pcbs16283004.0063.RAW
Area File: 07pcbs16283004B.0063.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/13/2016 11:40:56 PM
File Reported On: 10/13/2016 at 11:41:03 PM

AR1631624B PCAR163PC CCAL 1628699999 10736 SW-846 8082

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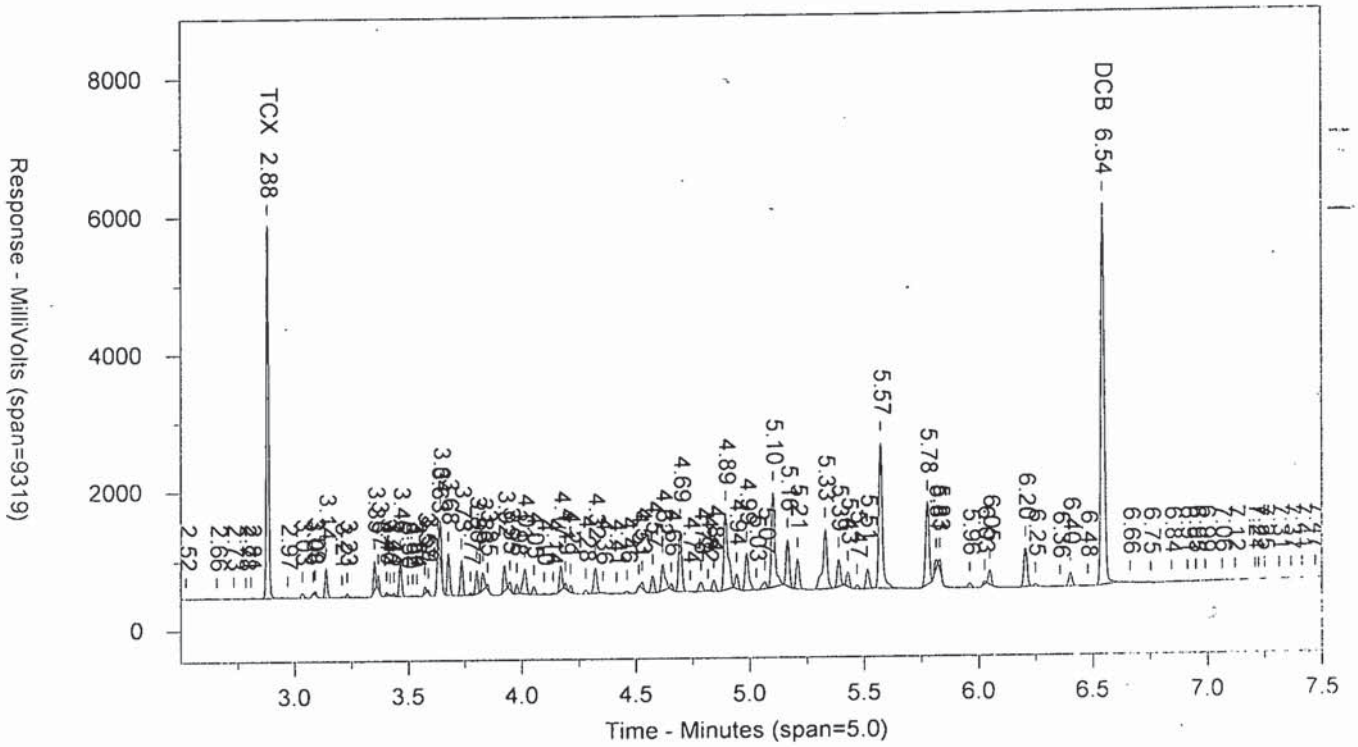

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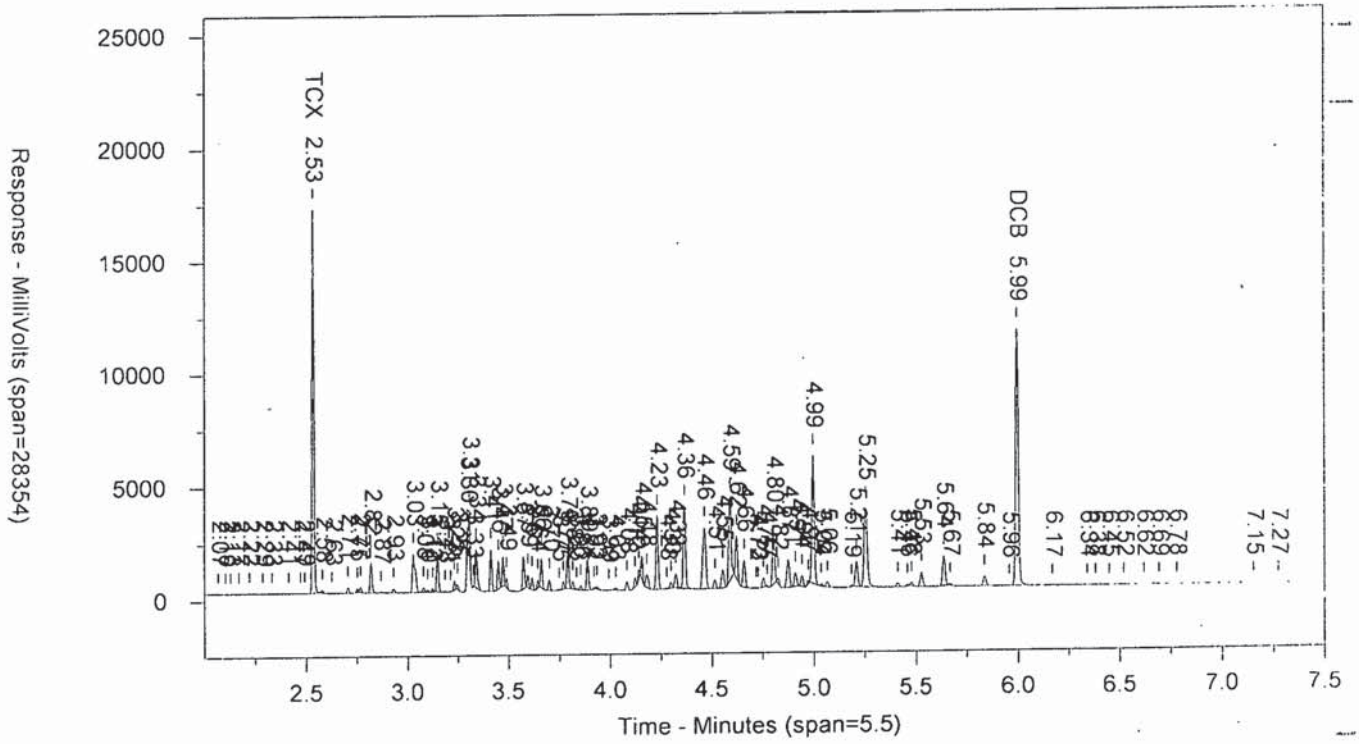

LANCASTER LABORATORIES

Sample Number: IBLKX1624B GAPIBLKGA PIBLK1628699999 10736 SW-846 8082
Injected On: 10/13/2016 11:43:41 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004.0064.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		6483	6530
1.608		2011	1763
1.653		1325	1434
1.717		1450	1243
1.742		1776	1411
1.911		2330	1427
1.95		1776	2450
2.058		6157	10006
2.112		3671	4052
2.146		1557	628
2.176		13818	11102
2.258		1471	1919
2.27		7011	4808
2.287		6623	6826
2.346		4025	6450
2.415		1286	862
2.444		2296	3790
2.626		1369	1242
2.688		3138	6097
2.733		1813	975
2.801		1261	535
2.88	TCX	2920987	2015897
2.961		1697	2223
3.042		1327	923
3.079		36884	25759
3.209		7663	5116
3.311		1179	869
3.355		3676	5053
3.42		1877	1825
3.518		5326	3769
3.618		6854	6395
3.69		1969	3496
3.811		1049	2130
4.009		1281	2169
4.063		1333	657
4.109		1658	1322
4.209		2395	7793
4.24		4660	5081
4.457		2070	2798
4.508		1131	1065
4.572		1732	1944
4.67		1273	674
4.695		1931	1925
4.789		1445	1000
4.981		3763	4570
5.032		1083	766
5.057		5137	5638
5.103		2806	1885
5.324		3890	9305
5.372		10004	11233
5.469		3579	4675
5.59		9832	12886
5.688		3971	4071

RT A	Compound A	Height A	Area A
5.781		2062	2876
5.868		4700	6501
5.962		24291	25001
6.025		27885	30893
6.133		11672	33580
6.158		2091	2386
6.211		2480	4288
6.271		2940	4231
6.326		2301	2588
6.401		23314	23313
6.444		3141	2967
6.506		1215	1461
6.544	DCB	3067961	3311957
6.746		1703	809
6.851		2289	8491
6.912		1280	1138
6.953		1692	1776
6.989		1942	1202
7.003		1135	628
7.068		1502	2258
7.093		1279	864
7.138		1275	1796
7.172		1090	375
7.233		1434	891
7.304		1353	2429
7.374		1161	1787
7.422		1361	1170
7.481		1356	727
7.534		1070	245
7.642		5849	11966
7.774		1695	5245
7.789		1494	984
7.849		1324	1281
7.873		1387	619
7.911		1945	1877
7.972		3162	4731
8.091		1138	667
8.143		2210	2484
8.196		1389	1238
8.258		1269	1289
8.308		971	1588
8.35		1591	2193
8.507		3151	11316
8.58		8478	19317
8.675		7959	12571

LANCASTER LABORATORIES

Sample Number: IBLKX1624B GAPIBLKGA PIBLK1628699999 10736 SW-846 8082
Injected On: 10/13/2016 11:43:41 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004B.0064.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.505		1208	1032
1.601		1494	1681
1.675		3554	2727
1.728		4420	12174
1.794		8133	23970
1.849		56354	44219
1.878		5373	4237
1.928		12730	45515
1.976		21511	29413
2.107		1506	942
2.128		1401	947
2.157		2920	3600
2.286		2295	2913
2.331		2873	4768
2.455		1467	1088
2.471		3403	1824
2.533	TCX	9524870	5751197
2.699		3594	3070
2.751		123445	69954
2.867		20920	12002
2.916		2904	4317
2.966		2633	1730
3		1375	1736
3.045		2730	3221
3.074		1413	1056
3.09		2807	1606
3.11		2817	1933
3.146		2131	2267
3.191		1366	582
3.212		20466	11770
3.251		22982	15117
3.278		2420	1386
3.3		4920	5527
3.335		4974	5249
3.376		3938	2256
3.409		2461	2487
3.45		1415	1049
3.478		4271	4830
3.592		2591	3689
3.64		4818	6282
3.685		2458	4129
3.728		1395	795
3.746		1379	793
3.791		2418	1255
3.854		4297	4176
3.886		1820	1301
3.918		3650	4480
3.983		10120	8572
4.063		1505	1470
4.085		2857	1926
4.139		6124	12537
4.229		5132	3501
4.299		2087	1294
4.337		5022	4528

4.366		3137	2098
4.417		1205	2636
4.461		4710	4511
4.492		2360	1116
4.512		2774	1787
4.542		3125	1993
4.558		13317	8282
4.589		7451	6893
4.622		2587	3158
4.684		853	765
4.739		30837	30449
4.804		3624	2947
4.87		3292	3442
4.911		996	664
4.943		6236	5048
4.996		5008	5684
5.066		28590	26332
5.228		27948	76314
5.304		25808	73867
5.366		9911	15165
5.41		67581	57162
5.478		74830	64620
5.528		6854	7883
5.636		1137	829
5.703		1345	913
5.75		1975	2006
5.789		1286	669
5.837		51862	43477
5.867		1867	1830
5.96		1143	888
5.996	DCB	6474858	5806946
6.135		1196	693
6.169		1432	1857
6.408		1206	2687
6.448		4895	5954
6.568		2572	3316
6.635		1867	3689
6.692		8980	12733
6.786		2403	5505
6.946		5890	8784
7.097		2812	6681
7.28		5060	10738
7.722		784	6171
7.756		1054	1034
8.216		760	1083

IBLKX1624B GAPIBLKGA PIBLK1628699999 10736 SW-846 8082

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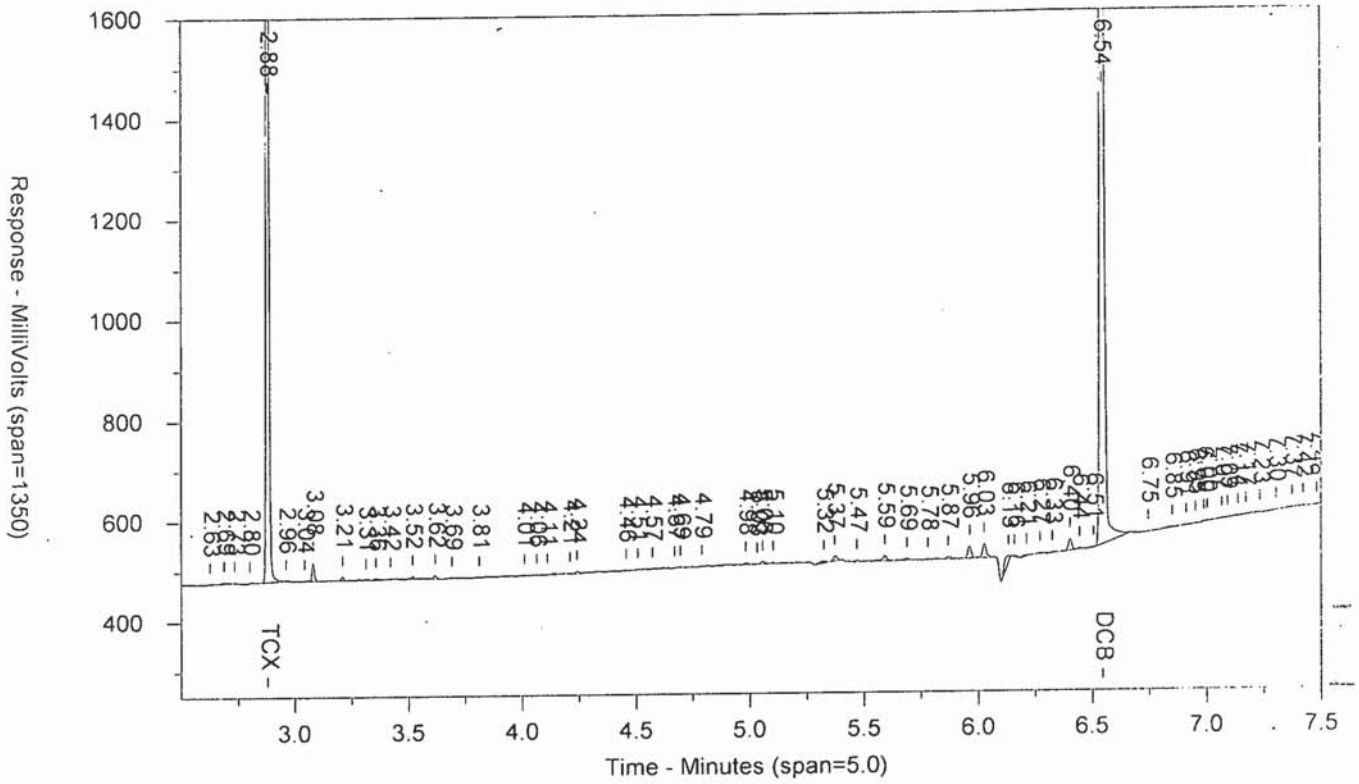

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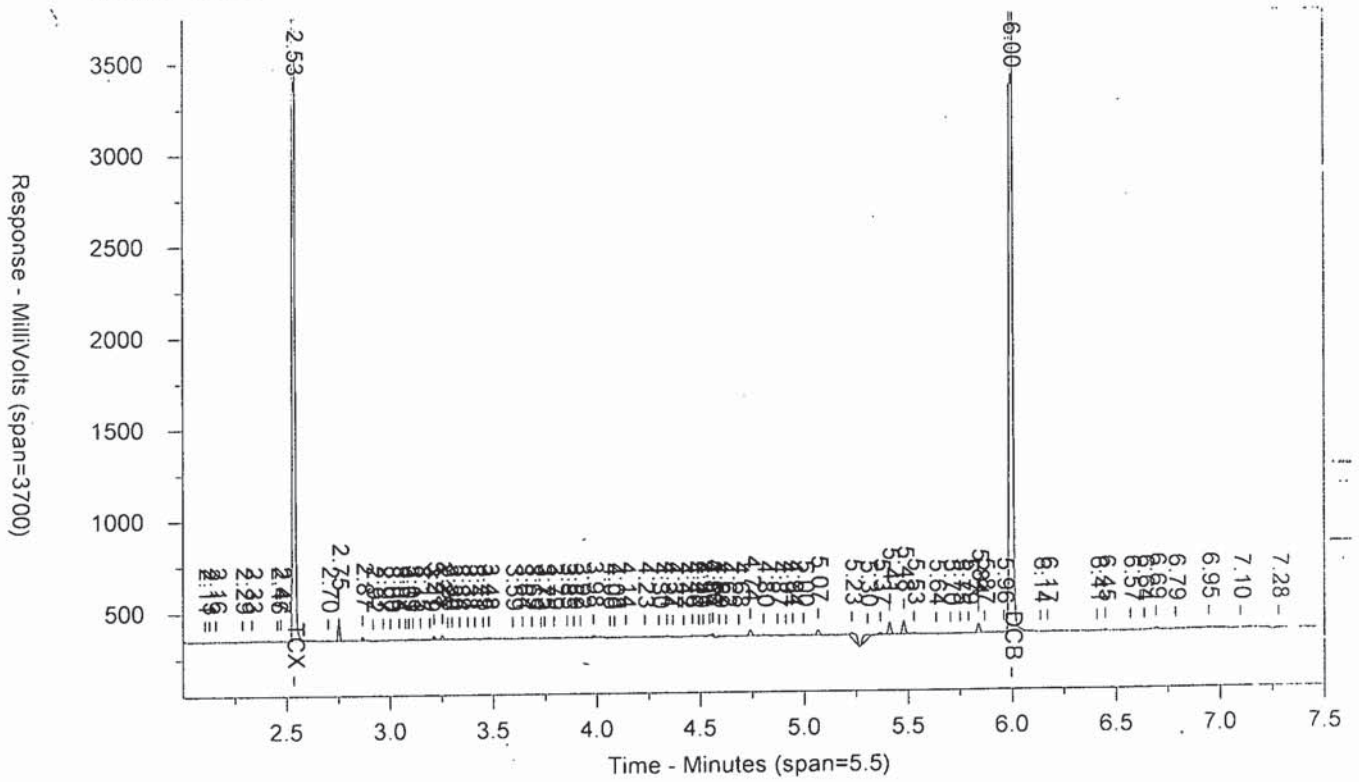

LANCASTER LABORATORIES

Sample Number: IBLKX1624B GAPIBLKGA PIBLK1628699999 10736 SW-846 8082
Injected On: 10/13/2016 11:43:41 PM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	2920987	.222	TCX	2.533	9524870	.231	TCX
6.544	3067961	.244	DCB	5.996	6474858	.241	DCB

Files:
Area File: 07pcbs16283004.0064.RAW
Area File: 07pcbs16283004B.0064.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/13/2016 11:52:25 PM
File Reported On: 10/13/2016 at 11:52:35 PM

IBLKX1624B GAPIBLKGA PIBLK1628699999 10736 SW-846 8082

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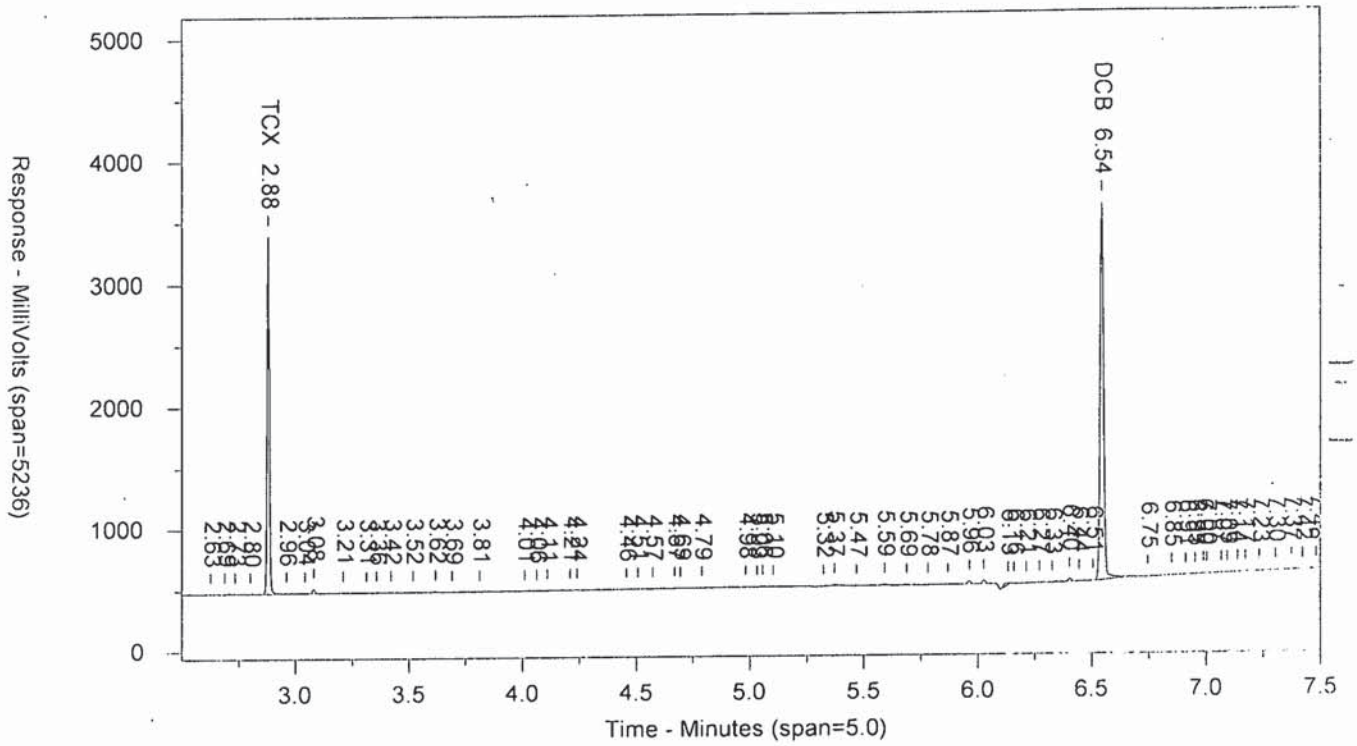

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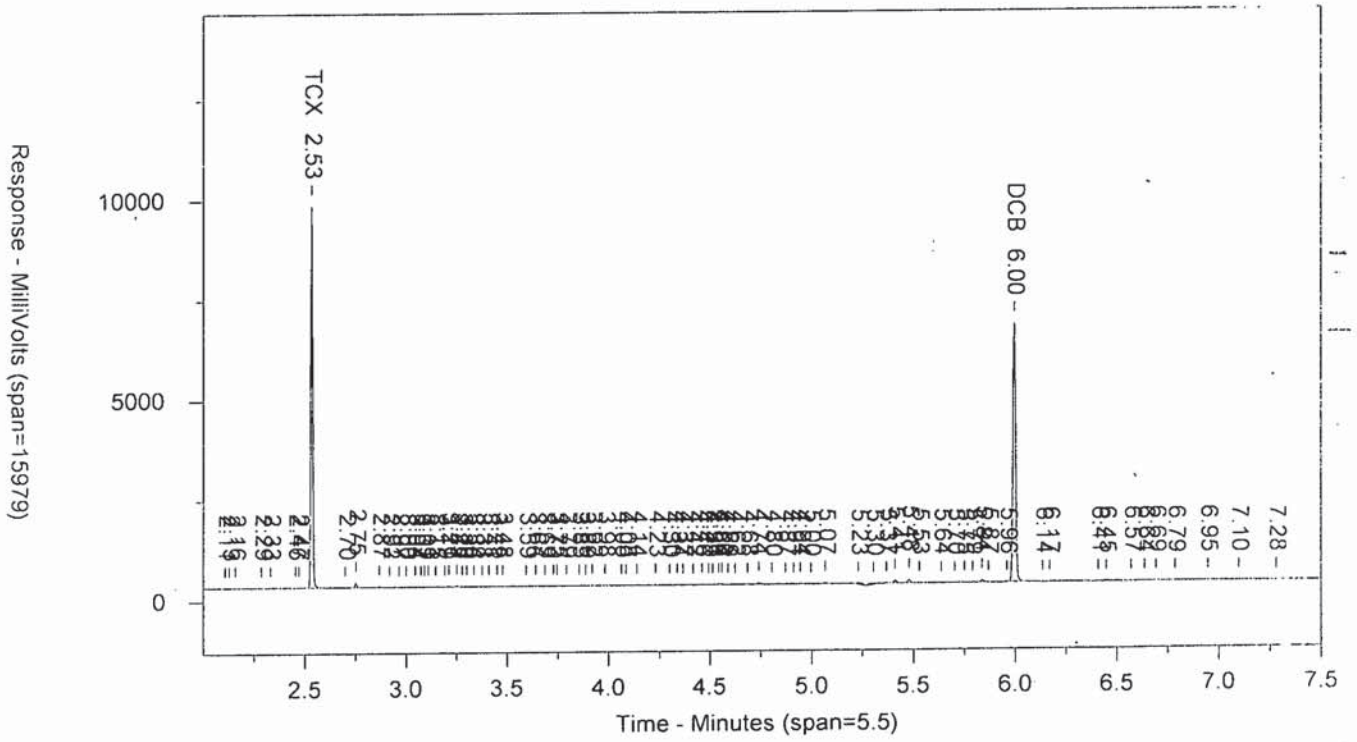

LANCASTER LABORATORIES

Sample Number: AR1631624B RPAR163RP CCAL 1629199999 10736 SW-846 8082
Injected On: 10/19/2016 1:38:40 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.508		1228	810
1.648		1362	1886
1.724		1341	999
1.947		4058	5589
1.973		1664	1685
2.056		8958	19915
2.116		4312	11512
2.175		26109	22918
2.269		16881	11995
2.287		9928	7301
2.335		4443	7424
2.422		2436	6391
2.455		2703	4970
2.523		6133	5841
2.676		1195	538
2.734		3877	5408
2.801		2274	1920
2.879	TCX	5693948	3786129
2.978		2348	2552
3.032		73191	61029
3.079		14564	8647
3.089		51310	25615
3.137		438780	313942
3.208		10716	6326
3.229		53490	37015
3.316		1750	607
3.349		440337	266345
3.366		193996	101381
3.403		49255	28978
3.418		12850	5304
3.434		42847	24305
3.464		531802	400643
3.498		2840	1259
3.517		9799	5968
3.536		16073	10154
3.573		108907	62055
3.586		47331	23596
3.631		227730	125842
3.641		516197	279427
3.677		645710	489687
3.734		535150	416881
3.773		39948	27907
3.801		363130	265478
3.828		262407	219510
3.849		79655	42616
3.923		398136	291915
3.947		128197	86204
3.978		149844	107418
4.013		395749	407523
4.052		126314	104225
4.097		16885	13215
4.136		21579	19058
4.17		387148	291445

RT A	Compound A	Height A	Area A
4.19		95631	55238
4.213		108294	77245
4.28		56424	50369
4.323		396749	380070
4.356		8364	5061
4.461		30777	30781
4.514		21903	19892
4.528		95425	68675
4.574		263387	244496
4.618		416077	468371
4.656		91897	65562
4.695		954247	921215
4.785		144035	164118
4.815		8256	4616
4.841		176898	168175
4.894		1173566	1501797
4.942		220825	205580
4.986		571862	644093
5.027		5094	3052
5.066		113469	135000
5.102		1433499	1631613
5.165		743562	693390
5.208		445588	450553
5.33		914134	1243515
5.388		420808	417099
5.429		220437	195009
5.468		47582	47469
5.514		300189	296036
5.57		2295714	2381939
5.776		1313233	1349174
5.817		66582	92565
5.828		135629	108740
5.961		60849	59943
6.026		43780	34821
6.047		229994	195615
6.147		1248	1717
6.204		581593	605629
6.249		37150	35670
6.329		1824	1741
6.402		193731	206608
6.488		1224	916
6.545	DCB	5581951	5905536
6.628		3365	2509
6.669		3323	2439
6.817		784	842
6.841		2298	3815
6.923		1490	623
6.996		4828	6592
7.036		1295	848
7.065		833	1082
7.195		1468	312
7.243		1479	802
7.354		919	2989
7.454		1272	384
7.513		1454	1697
7.564		1175	1756
7.583		1407	985
7.65		2314	4221
7.713		1251	2375
7.731		1373	992
7.784		1366	930
7.807		1375	1091
7.901		620	1733
7.93		1405	634
7.957		1660	1819
8.109		1477	1848

RT A	Compound A	Height A	Area A
8.138		1792	696
8.193		1704	1106
8.262		1490	806
8.468		1611	912
8.587		9591	21683
8.633		1862	982

LANCASTER LABORATORIES

Sample Number: AR1631624B RPAR163RP CCAL 1629199999 10736 SW-846 8082
Injected On: 10/19/2016 1:38:40 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.558		2871	7118
1.646		2900	7703
1.672		5132	3220
1.714		1770	5071
1.772		1646	3046
1.848		112949	82353
1.921		12638	28787
1.975		30343	28668
2.064		1631	1975
2.128		3456	2942
2.158		6024	7688
2.22		15236	10327
2.282		3572	3649
2.332		2765	3489
2.395		1809	4230
2.471		10127	7841
2.49		2484	1341
2.533	TCX	17685260	10575560
2.578		112497	80367
2.624		6105	5102
2.705		261366	169270
2.751		178523	89444
2.767		241899	133040
2.818		1375949	877801
2.866		40063	23036
2.929		187682	118161
3.026		1781785	1730175
3.077		217206	133188
3.098		93483	50209
3.123		153674	87571
3.147		1762623	1164997
3.185		59815	33526
3.211		32377	16049
3.231		444234	227811
3.246		242172	121945
3.271		1949	898
3.296		639693	376396
3.305		1787317	793740
3.325		49552	16253
3.339		1798509	1220174
3.411		1961055	1246512
3.448		1308412	841195
3.471		1378487	771744
3.488		419763	210239
3.573		1612316	1039782
3.595		599327	326472
3.616		569181	341260
3.643		388941	197483
3.66		1363713	840817
3.7		520083	358913
3.747		65403	51388
3.768		366443	217126
3.79		1786054	1175677
3.814		356991	212178

3.833		56723	25927
3.854		221647	139130
3.888		1442509	1008747
3.92		58110	32053
3.934		105488	63875
3.983		4033	1951
3.993		6677	3490
4.028		100550	85506
4.083		402184	283635
4.123		430411	267746
4.142		363574	183179
4.155		1065273	607012
4.18		566593	577823
4.231		3444190	2571691
4.279		38884	24848
4.299		287594	184082
4.324		675120	530298
4.365		3911721	3060161
4.464		2874024	3076365
4.515		406143	336736
4.554		904632	767867
4.588		4062060	3365143
4.621		2059452	1452181
4.658		1350218	1068687
4.715		1875	1440
4.754		438057	315375
4.773		50978	26310
4.804		2559542	1975452
4.825		248800	148652
4.876		1340928	1221148
4.911		664482	540530
4.942		509234	408404
4.973		167554	104648
4.996		5670273	4990612
5.037		103005	73446
5.066		246349	194551
5.187		60725	39097
5.21		1167042	1022830
5.255		3555081	4209303
5.41		161606	147287
5.458		72925	49827
5.478		123752	91535
5.528		668405	608456
5.638		1415028	1266220
5.669		72031	52127
5.792		2618	2228
5.838		455494	437727
5.995	DCB	11927530	10785320
6.171		3118	2835
6.333		1448	1194
6.449		8798	9512
6.622		1594	1607
6.697		2254	2705
6.806		1494	1784
7.301		1614	6165
7.697		798	892
7.766		806	492
8.007		2862	6623
8.207		1513	1688
8.426		1821	4346

AR1631624B RPAR163RP CCAL 1629199999 10736 SW-846 8082

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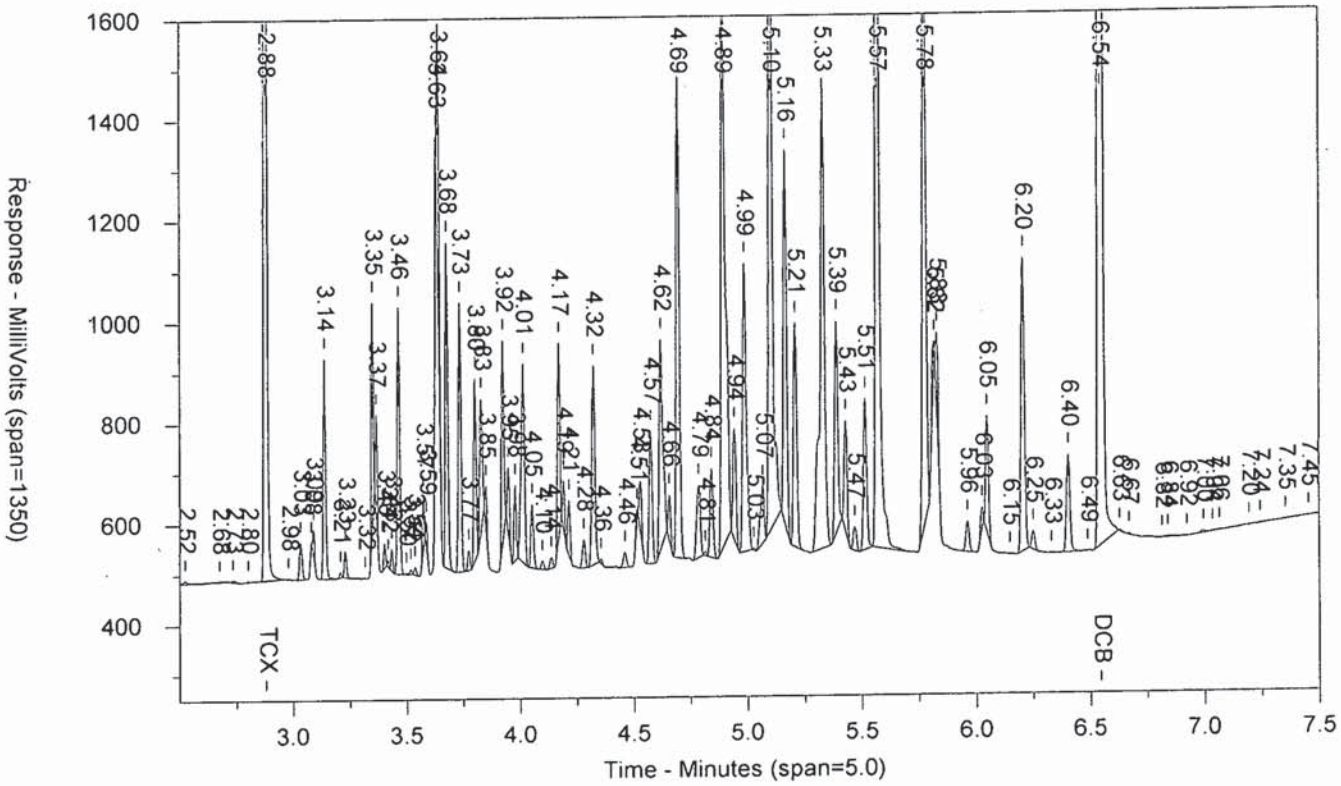

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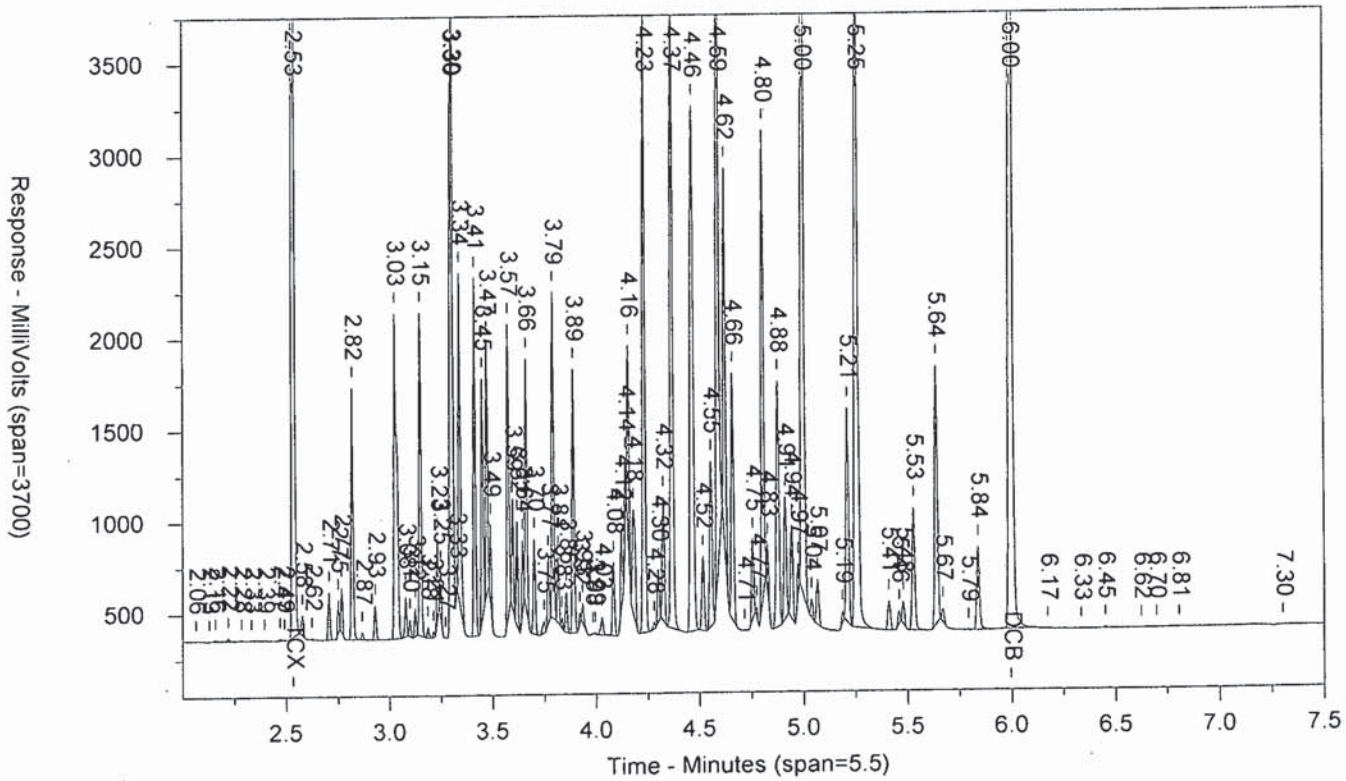

LANCASTER LABORATORIES

Sample Number: AR1631624B RPAR163RP CCAL 1629199999 10736 SW-846 8082
Injected On: 10/19/2016 1:38:40 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.879	5693948	43.35	TCX	2.533	17685260	42.922	TCX
6.545	5581951	44.417	DCB	5.995	11927530	44.416	DCB

Files:
Area File: 07pcbs16283008.0017.RAW
Area File: 07pcbs16283008B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2016 1:47:26 AM
File Reported On: 10/19/2016 at 1:47:32 AM

AR1631624B RPAR163RP CCAL 1629199999 10736 SW-846 8082

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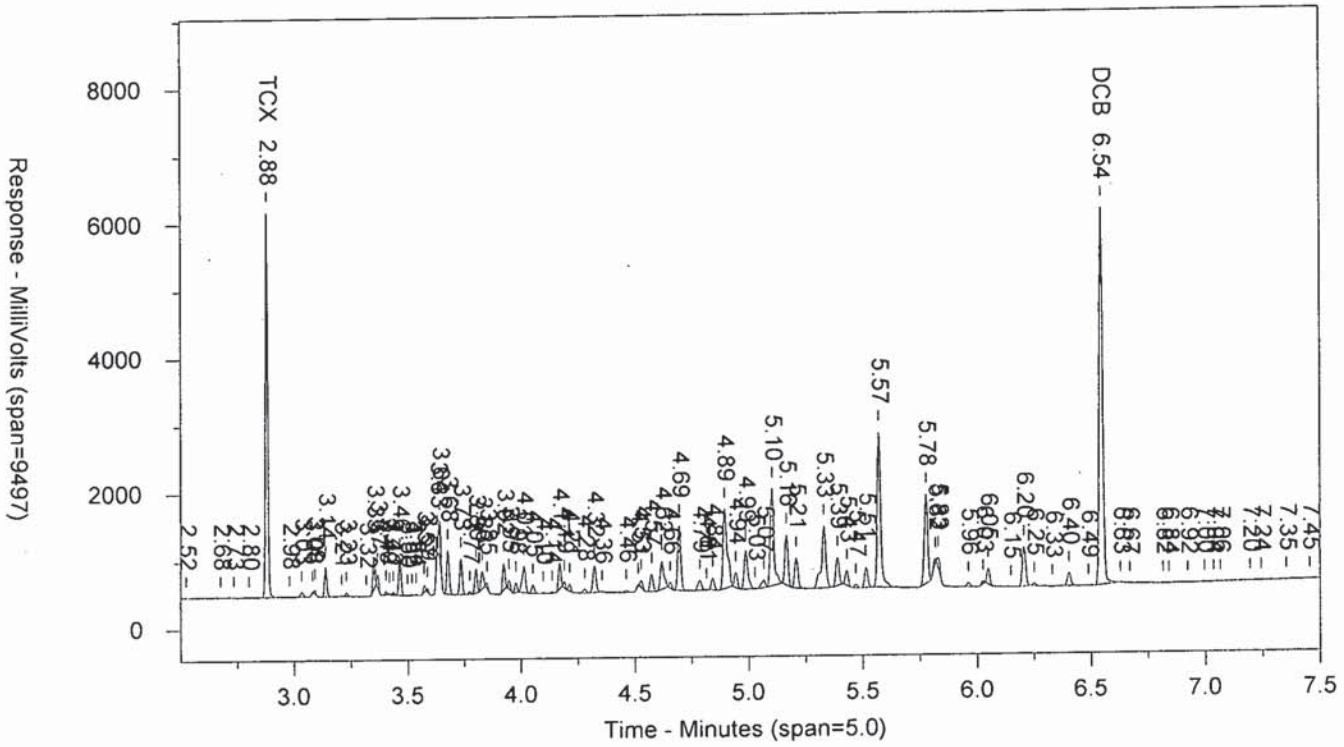

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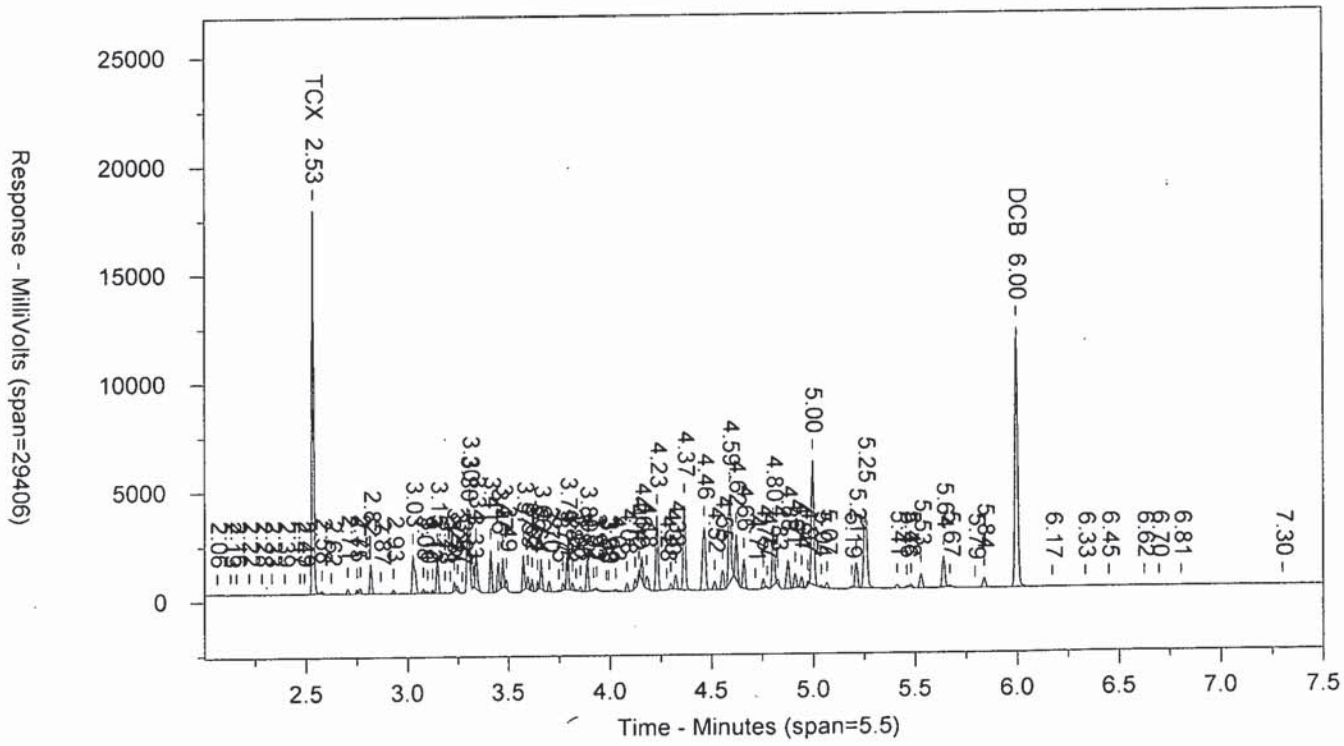

LANCASTER LABORATORIES

Sample Number: IBLKX1624B JTPIBLKJT PIBLK1629199999 10736 SW-846 8082
Injected On: 10/19/2016 1:50:11 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.525		5569	5639
1.661		1301	788
1.725		1949	2151
1.778		1036	724
1.879		980	1012
1.947		3282	4968
2.053		10320	21376
2.104		5481	11626
2.175		16470	23126
2.268		14575	12184
2.287		7118	5871
2.334		6139	11577
2.387		2555	3977
2.421		1946	1882
2.534		2164	5764
2.644		1132	1583
2.739		4881	6583
2.788		1294	1189
2.815		1665	2846
2.879	TCX	2874081	1980221
2.968		937	467
3.035		1265	648
3.079		38507	25499
3.146		1798	1401
3.208		7839	5658
3.335		853	545
3.519		5842	6830
3.615		7396	6697
3.677		1153	702
3.712		1992	3994
3.841		1758	1520
3.95		1293	782
4.064		1579	2270
4.116		1496	2004
4.135		2453	2937
4.241		4595	6069
4.505		904	6046
4.579		1779	1744
4.733		1432	1722
4.817		2371	2263
4.978		1130	976
5.057		5209	5065
5.202		1373	1230
5.326		1545	767
5.468		4644	6259
5.591		12764	12595
5.725		1359	1883
5.871		1903	2519
5.962		26954	26664
6.025		28934	35397
6.364		964	416
6.402		21848	24267
6.504		1000	487

RT A	Compound A	Height A	Area A
6.545	DCB	2972489	3120629
6.69		1804	1282
6.818		1076	1355
6.851		1779	2682
7.022		1747	5677
7.077		1451	1931
7.138		1391	489
7.28		1291	2634
7.334		1530	1007
7.361		1546	710
7.437		948	648
7.48		1441	675
7.648		1162	642
7.677		1403	1210
7.762		806	3383
7.782		1491	1014
7.934		1546	950
8.091		1644	602
8.142		1464	1463
8.237		1288	1369
8.274		1482	1575
8.41		2236	3719
8.504		1467	1940
8.581		10237	24063

LANCASTER LABORATORIES

Sample Number: IBLKX1624B JTPIBLKJT PIBLK1629199999 10736 SW-846 8082
Injected On: 10/19/2016 1:50:11 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.506		1547	1222
1.594		1457	609
1.673		4361	2571
1.736		7074	21382
1.791		8699	27601
1.848		77114	60136
1.923		15430	32387
1.974		16917	12504
2.078		1618	3511
2.13		2113	1962
2.157		6944	8692
2.221		1804	2216
2.284		3243	3308
2.314		1625	1477
2.331		1740	1009
2.397		1516	975
2.456		5570	2646
2.47		5018	2524
2.532	TCX	9218018	5639632
2.699		2921	2322
2.731		1375	956
2.75		119680	70195
2.784		917	936
2.866		21298	13014
2.967		949	658
3.043		3574	3798
3.079		2523	4138
3.107		2485	5207
3.193		1373	610
3.211		16815	9470
3.251		29243	18726
3.278		1036	479
3.3		5055	6397
3.333		5845	5546
3.375		2763	2202
3.405		2214	2786
3.478		3402	3302
3.602		3424	5736
3.64		5054	6310
3.747		2329	1540
3.857		6065	6941
3.89		949	1283
3.982		10932	10630
4.06		1387	768
4.137		4699	15079
4.338		7336	8539
4.392		2068	1769
4.477		1384	3499
4.56		16913	13384
4.635		2153	3992
4.741		3208	3705
4.797		1492	1811
4.825		1281	668
4.868		1832	1855

4.944		9424	8155
4.994		1398	1430
5.067		34151	33913
5.252		1780	1789
5.309		931	2047
5.41		74353	65340
5.478		81324	71425
5.528		10288	9164
5.792		1759	1751
5.837		54627	46619
5.995	DCB	6055466	5781183
6.333		1230	1439
6.448		5077	5799
6.721		1093	893
7.19		784	536
7.42		1069	1532
7.638		1215	1096
8.013		2332	3627
8.227		3500	10885
8.322		951	713
8.419		1446	3043

IBLKX1624B JTPIBLKJT PIBLK1629199999 10736 SW-846 8082

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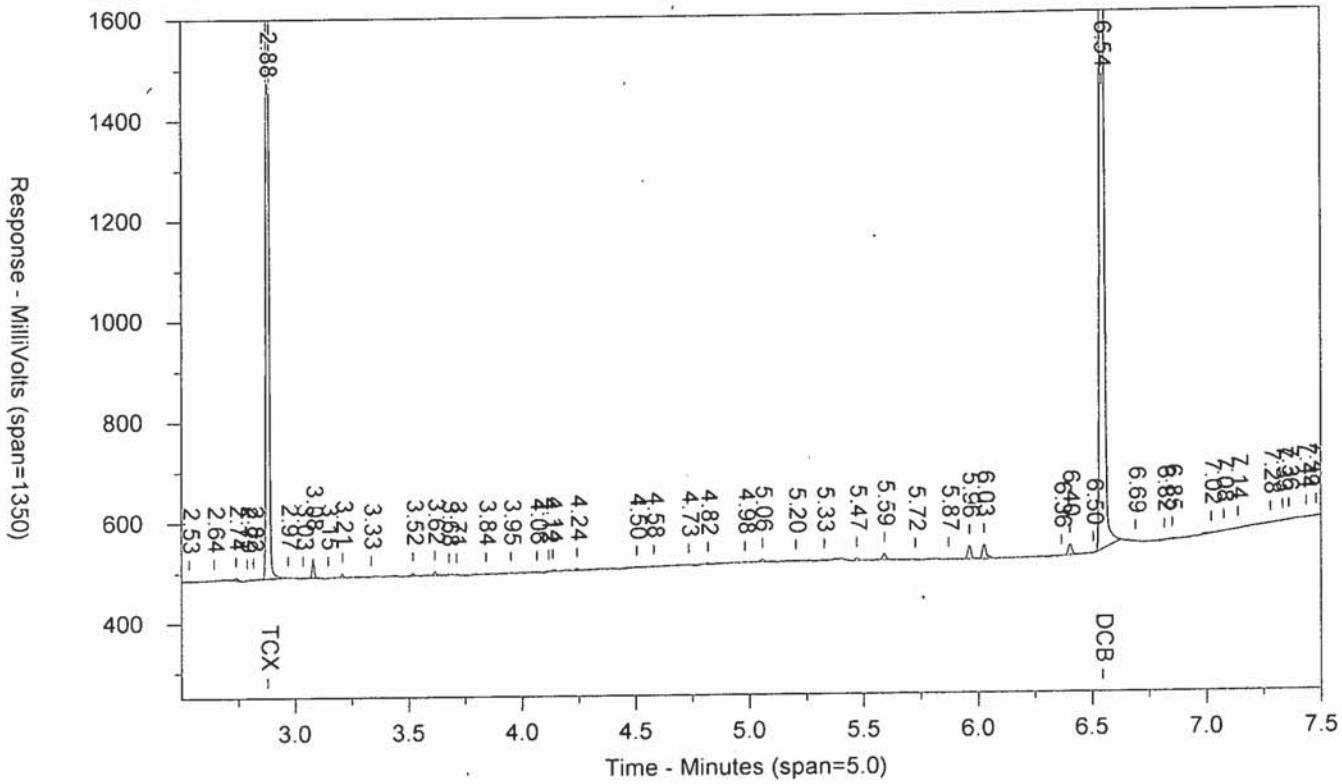

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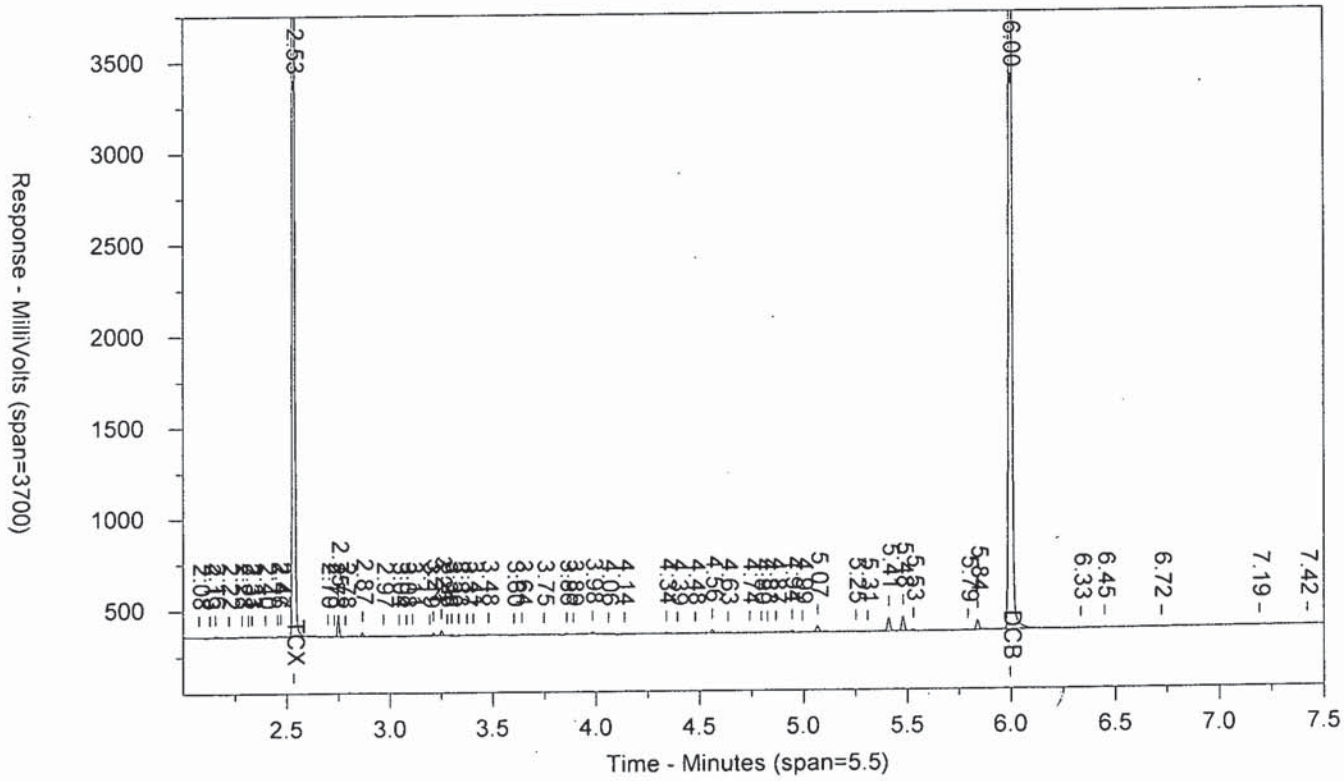

LANCASTER LABORATORIES

Sample Number: IBLKX1624B JTPIBLKJT PIBLK1629199999 10736 SW-846 8082
Injected On: 10/19/2016 1:50:11 AM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.879	2874081	.219	TCX	2.532	9218018	.224	TCX
6.545	2972489	.237	DCB	5.995	6055466	.225	DCB

Files:
Area File: 07pcbs16283008.0018.RAW
Area File: 07pcbs16283008B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2016 1:58:52 AM
File Reported On: 10/19/2016 at 1:58:58 AM

IBLKX1624B JTPIBLKJT PIBLK1629199999 10736 SW-846 8082

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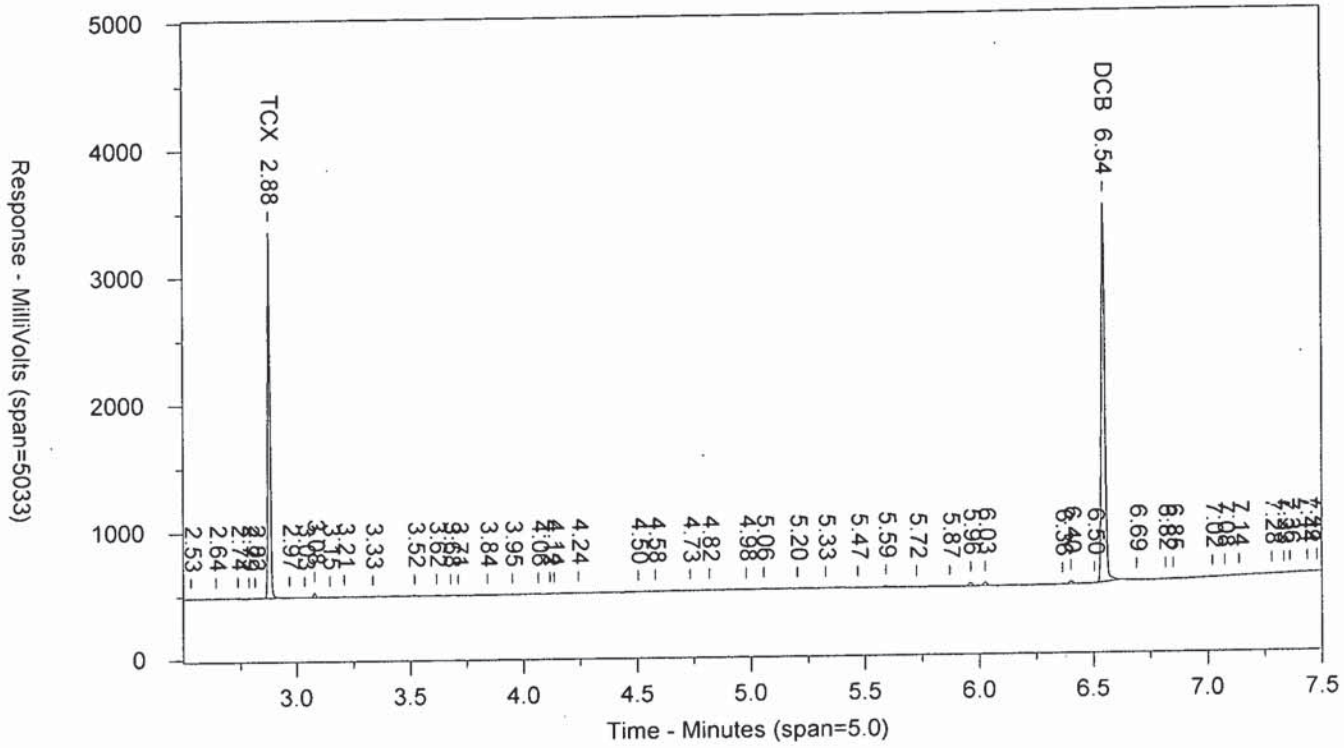

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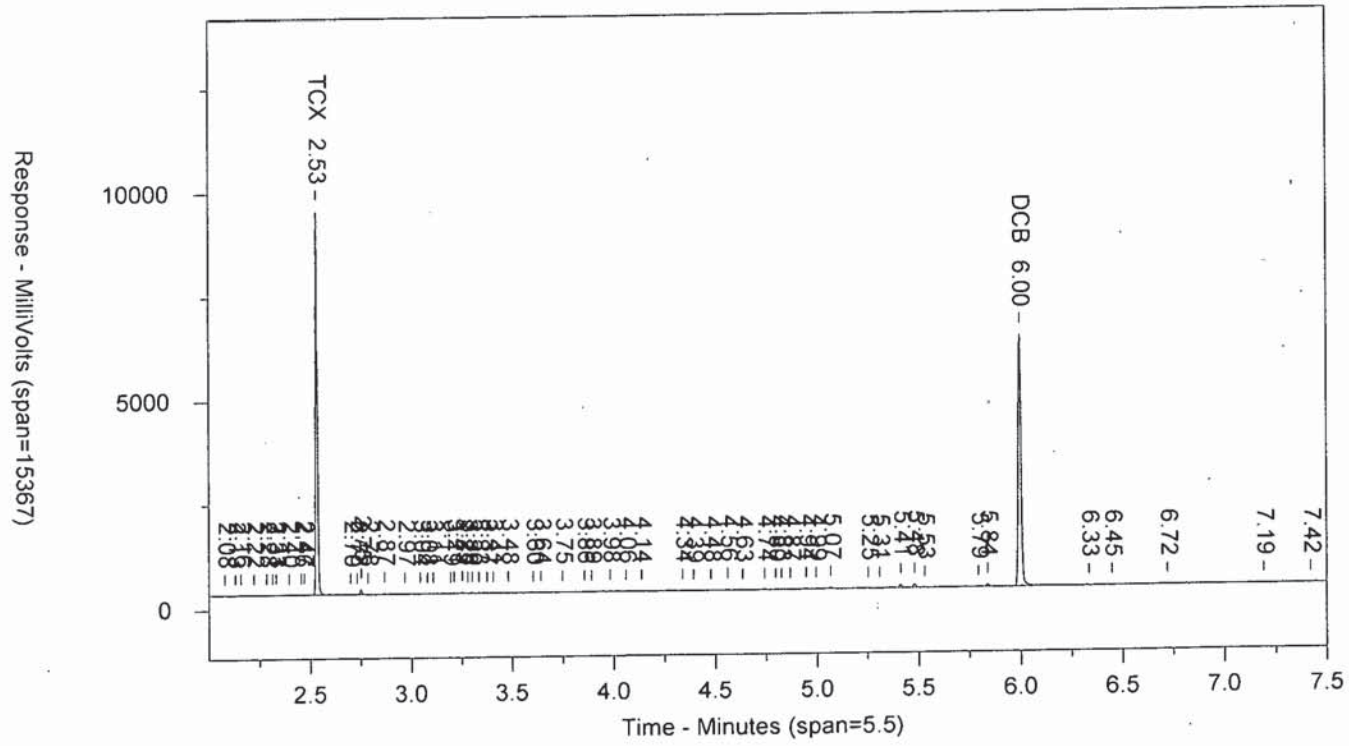

LANCASTER LABORATORIES

Sample Number: AR1631624B RQAR163RQ CCAL 1629199999 10736 SW-846 8082
Injected On: 10/19/2016 3:55:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.652		1395	811
1.687		1660	1805
1.833		998	1389
1.867		1612	870
1.944		3820	5681
1.988		4710	13811
2.053		11816	25737
2.116		5366	11985
2.175		27236	25890
2.269		19719	14939
2.285		10249	8150
2.333		3411	3139
2.417		2025	3904
2.459		2596	5512
2.522		6908	7665
2.653		1210	628
2.68		1520	1122
2.741		5543	7135
2.799		3280	7427
2.879	TCX	5713403	3780528
2.968		2087	2020
3.032		73928	63772
3.088		97655	109599
3.137		443844	315035
3.208		10797	6793
3.229		54667	36810
3.291		944	559
3.349		435953	264825
3.365		196552	102217
3.401		50300	29304
3.417		13919	5463
3.433		39897	23274
3.462		551714	402148
3.496		2305	1040
3.517		9133	4950
3.535		16740	10281
3.571		109990	62537
3.585		50513	25835
3.629		223436	129986
3.639		548288	275967
3.675		664780	492151
3.734		538815	415997
3.773		39062	27139
3.8		359826	264623
3.827		269352	223948
3.847		82371	43581
3.922		377691	287426
3.945		133629	86985
3.976		151096	107354
4.011		402560	408863
4.051		129629	104356
4.096		16865	12882
4.134		22151	19042

RT A	Compound A	Height A	Area A
4.168		386078	294415
4.188		94348	54467
4.211		104170	77463
4.278		58728	50069
4.321		396870	380539
4.353		7437	5051
4.415		3251	2056
4.458		37357	37645
4.512		21222	19448
4.525		89085	65463
4.572		267111	246633
4.616		419177	466190
4.654		92588	64883
4.693		968638	928150
4.783		139930	165253
4.812		10370	6433
4.84		179148	168072
4.892		1168128	1508240
4.941		225611	208814
4.984		558504	646395
5.026		7286	3979
5.064		112049	137004
5.101		1469675	1620849
5.163		737184	689565
5.206		449390	451173
5.329		905896	1248963
5.387		437549	415186
5.427		219617	198312
5.468		52037	52171
5.513		297515	298322
5.569		2159059	2385767
5.775		1272372	1354173
5.815		111741	125531
5.827		106072	64215
5.959		69283	69935
6.024		56982	43359
6.046		227830	193017
6.116		2235	2798
6.202		599653	603911
6.247		36686	34342
6.399		192092	207992
6.542	DCB	5696841	5876517
6.651		1697	761
6.736		2572	2419
6.844		3060	5644
6.947		1114	1771
6.988		5561	8787
7.076		1732	603
7.143		809	815
7.173		1078	1052
7.245		1455	984
7.323		1788	3036
7.341		1149	1008
7.424		1413	2433
7.509		1860	1804
7.55		1550	519
7.615		1353	673
7.643		2253	3177
7.713		1410	1223
7.749		1965	1108
7.827		544	1693
7.861		1293	892
7.975		1088	1417
8.031		1220	1060
8.149		950	1089
8.285		1015	782

RT A	Compound A	Height A	Area A
8.357		1908	1534
8.386		1265	525
8.493		1121	2254
8.577		10053	23325

LANCASTER LABORATORIES

Sample Number: AR1631624B RQAR163RQ CCAL 1629199999 10736 SW-846 8082
Injected On: 10/19/2016 3:55:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.558		1915	2488
1.642		6103	15754
1.674		7713	6062
1.732		8478	25762
1.793		10225	28975
1.848		125106	99815
1.919		19751	52160
1.975		32461	32151
2.034		1351	1359
2.067		1157	640
2.127		2988	2439
2.156		6845	8289
2.22		16061	11026
2.282		3904	3725
2.309		1130	662
2.33		2474	1577
2.456		5820	2524
2.471		8427	4706
2.491		2792	1370
2.533	TCX	17356970	10566730
2.578		114523	80212
2.625		4339	4350
2.705		270793	179014
2.751		181329	90224
2.767		256950	137759
2.818		1387600	883323
2.867		39962	22943
2.929		189688	119744
3.026		1765143	1735777
3.077		213650	132826
3.098		95186	51307
3.123		155395	87432
3.147		1759294	1170655
3.184		61690	36336
3.211		33134	16225
3.231		450137	231247
3.246		243241	119883
3.296		646790	344221
3.304		1955266	857273
3.325		42619	15929
3.338		1806227	1220185
3.411		1956507	1247290
3.447		1339467	836787
3.47		1386268	773744
3.487		449788	216908
3.571		1618699	1044385
3.593		625335	325018
3.614		583200	343234
3.642		389605	201410
3.658		1414364	838970
3.698		519656	361548
3.746		70399	56696
3.767		356034	213030
3.789		1752094	1172298

3.813		367098	212527
3.832		56707	26523
3.852		216659	137026
3.886		1472521	1011344
3.918		62806	34201
3.932		101840	61620
3.992		13416	15825
4.026		108260	102110
4.081		398234	285777
4.121		451441	276289
4.14		358072	171087
4.154		1040158	604011
4.179		578052	579477
4.229		3434639	2581223
4.277		38393	28763
4.297		285027	185993
4.322		658231	528632
4.364		3915190	3057908
4.462		3019693	3093204
4.513		418770	344888
4.552		900792	773747
4.587		3946240	3375534
4.62		2024530	1465084
4.657		1388979	1081955
4.715		1481	727
4.753		415186	316081
4.771		48052	24572
4.803		2559216	1980450
4.824		243929	144215
4.874		1370487	1227778
4.909		658797	543883
4.94		529146	417923
4.971		171566	107925
4.994		5764655	5001159
5.036		109027	78430
5.065		254416	216093
5.186		59756	38958
5.208		1186431	1023843
5.253		3615105	4185684
5.408		195177	169811
5.457		65739	45400
5.477		150345	118573
5.526		685694	614943
5.636		1425851	1271466
5.668		73189	53749
5.786		2544	2390
5.836		476733	434542
5.935		826	602
5.994	DCB	11947910	10800240
6.167		2955	3283
6.332		1734	2363
6.448		9030	11204
6.693		3139	2846
6.774		1445	1567
7.303		1067	6048
7.317		1431	1155
7.414		674	720
7.674		865	790
8.006		2950	6085
8.112		744	1274
8.278		1014	686
8.447		1289	856

AR1631624B RQAR163RQ CCAL 1629199999 10736 SW-846 80

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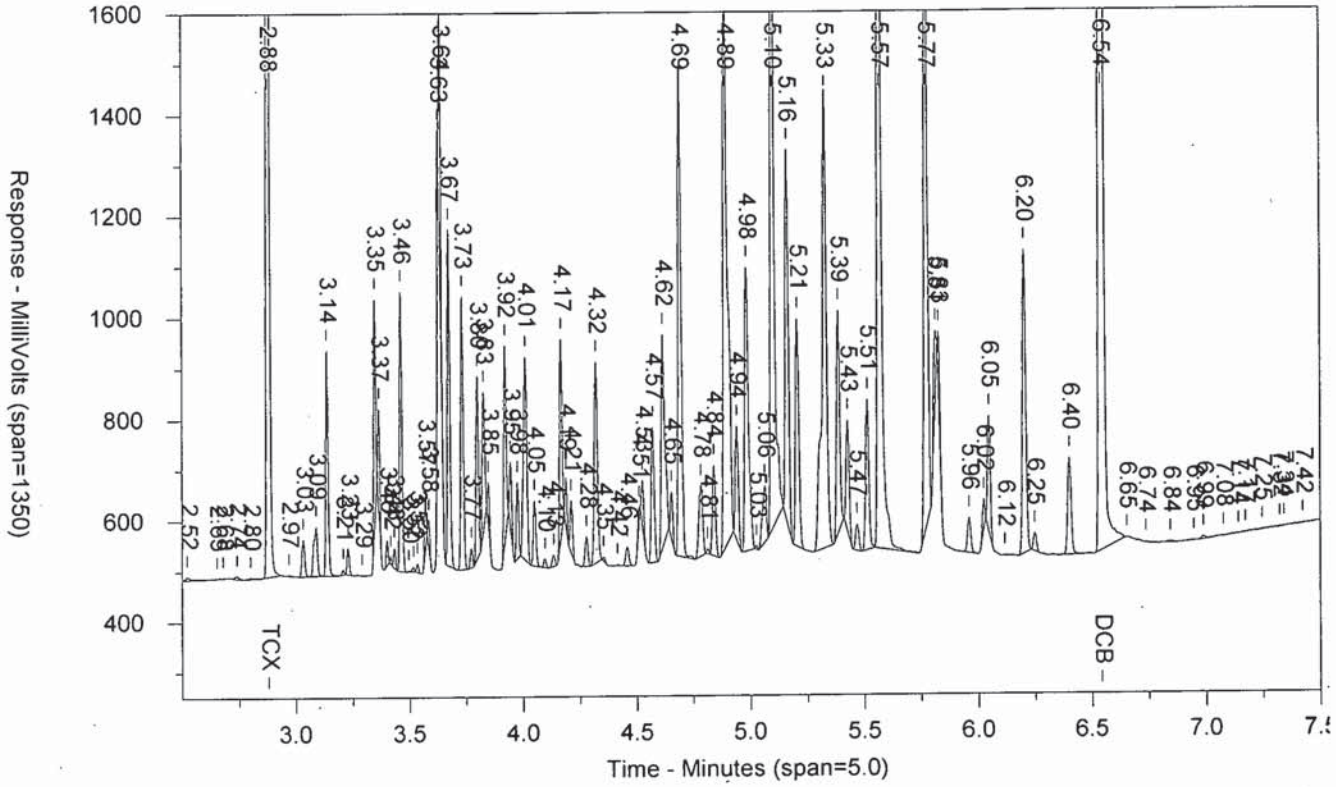

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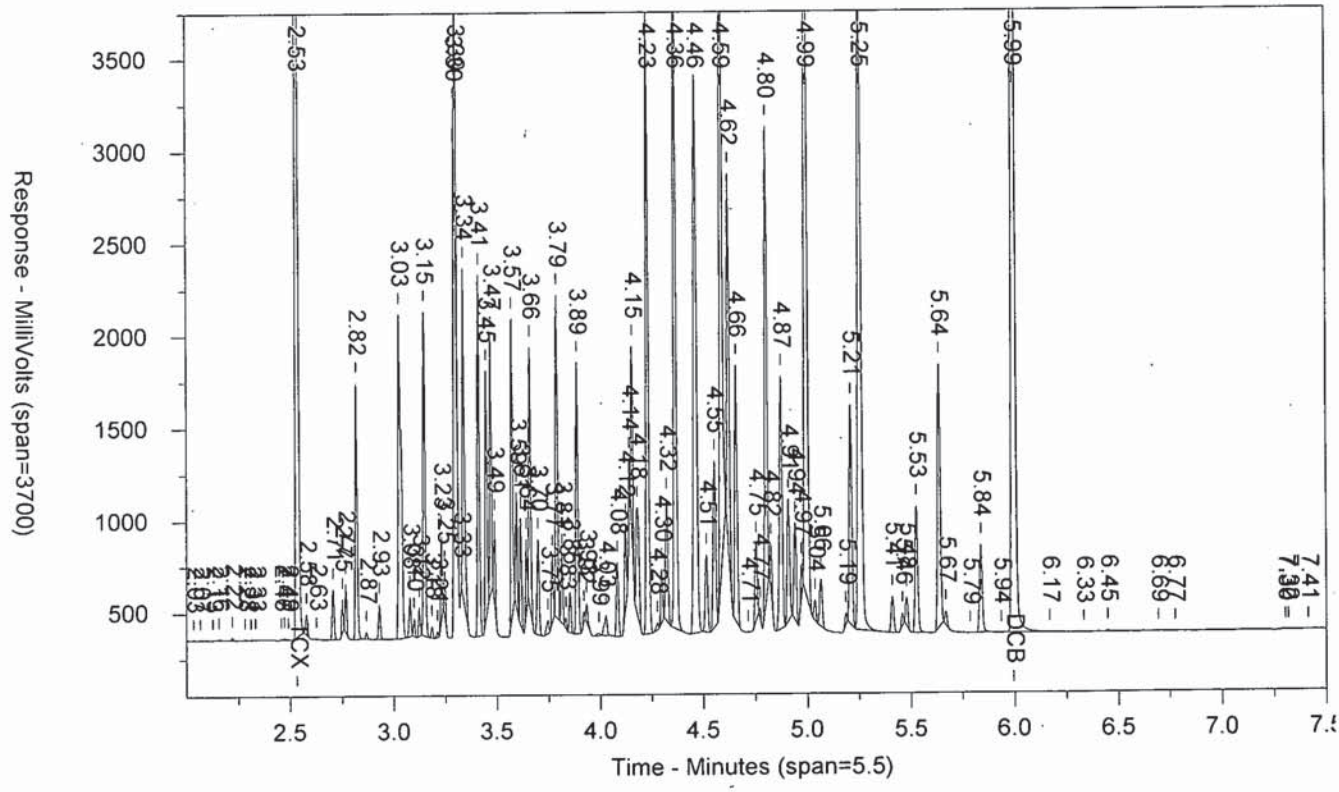

LANCASTER LABORATORIES

Sample Number: AR1631624B RQAR163RQ CCAL 1629199999 10736 SW-846 8082
Injected On: 10/19/2016 3:55:28 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.879	5713403	43.498	TCX	2.533	17356970	42.125	TCX
6.542	5696841	45.332	DCB	5.994	11947910	44.492	DCB

Files:
Area File: 07pcbs16283008.0029.RAW
Area File: 07pcbs16283008B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2016 4:04:12 AM
File Reported On: 10/19/2016 at 2:39:01 PM

AR1631624B RQAR163RQ CCAL 1629199999 10736 SW-846 80:

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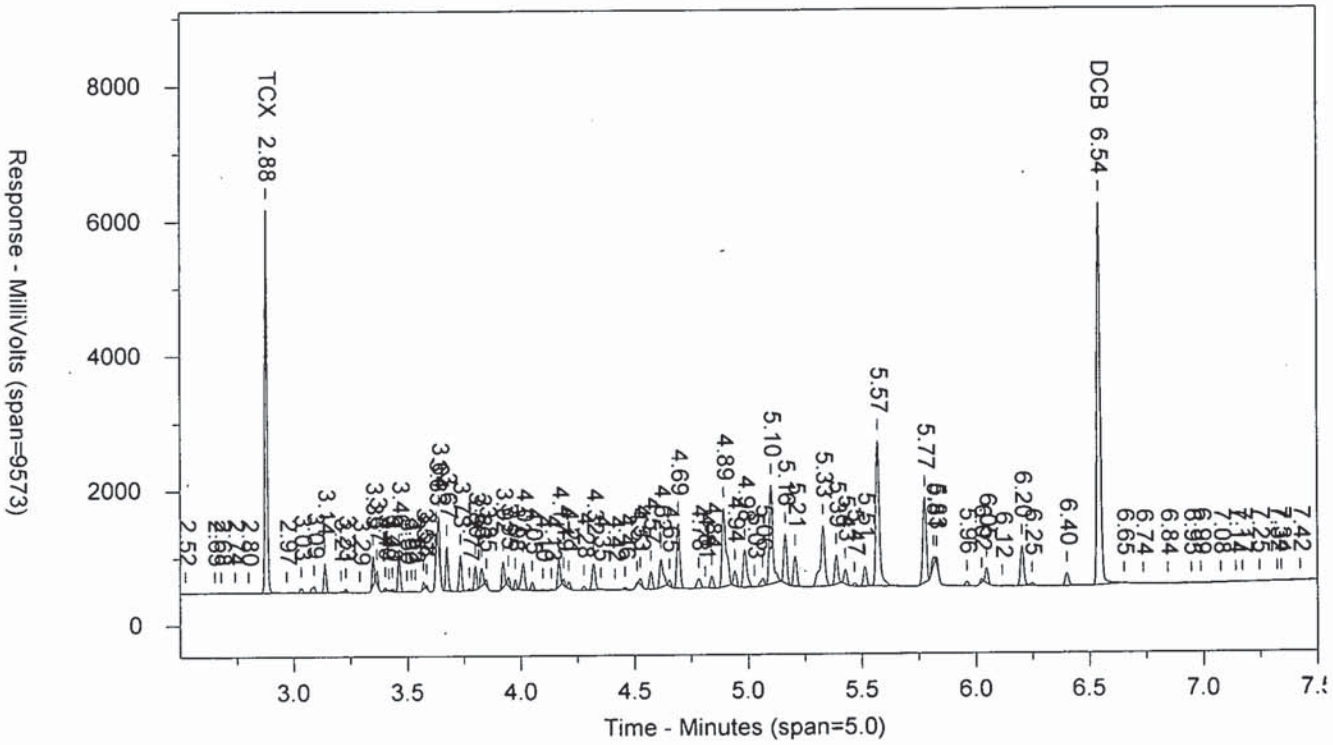

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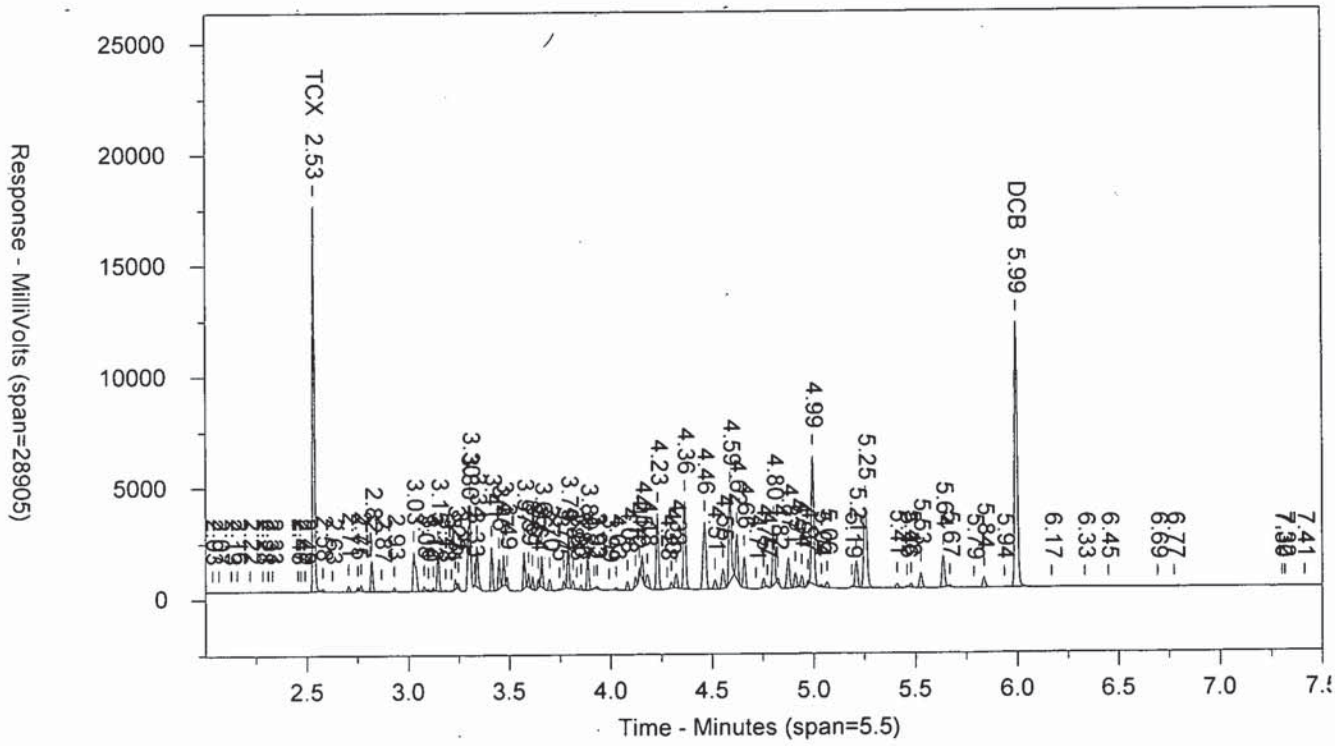

LANCASTER LABORATORIES

Sample Number: IBLKX1624B JUPIBLKJU PIBLK1629199999 10736 SW-846 8082
Injected On: 10/19/2016 4:06:56 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.527		6912	9435
1.689		1360	2100
1.946		3669	5227
2.055		9559	19369
2.116		4274	10984
2.175		14808	11994
2.269		14748	10559
2.287		5932	4495
2.336		4149	6906
2.391		1570	1714
2.446		1615	2631
2.533		1798	2318
2.617		1133	1024
2.742		5185	6298
2.801		3191	4518
2.851		905	495
2.879	TCX	3023829	2044131
3.078		38272	29912
3.157		1881	3263
3.208		7250	6820
3.36		2141	2363
3.393		1033	410
3.427		1370	532
3.478		1465	701
3.518		6891	4861
3.615		11709	10274
3.682		1379	532
3.84		2325	8699
3.976		1350	517
4.11		1530	1484
4.135		2294	3041
4.244		5014	7517
4.437		1437	1124
4.471		1289	1665
4.516		1037	1035
4.539		932	600
4.742		1519	1582
4.816		3695	3137
5.054		6967	7683
5.145		1250	1505
5.254		1197	1191
5.469		7159	8033
5.59		15553	15897
5.779		1445	1479
5.962		28414	28245
6.026		32514	40721
6.204		1487	2037
6.402		23632	24941
6.496		897	526
6.544	DCB	2981239	3155885
6.695		1909	2220
6.769		1003	442
6.846		2494	5443

RT A	Compound A	Height A	Area A
6.93		1620	1133
6.997		2919	5426
7.073		1191	1044
7.108		1253	639
7.207		1270	2368
7.303		1124	2823
7.349		1064	984
7.411		1518	2026
7.487		1068	1109
7.581		1351	1265
7.632		1473	690
7.681		1098	1812
7.711		1286	877
7.733		1074	943
7.812		1361	651
7.928		397	1777
7.999		1272	668
8.057		1334	2680
8.108		2087	4056
8.228		1580	1080
8.284		1161	549
8.33		1484	899
8.363		1594	597
8.418		2540	5324
8.576		9836	23507

LANCASTER LABORATORIES

Sample Number: IBLKX1624B JUPIBLKJU PIBLK1629199999 10736 SW-846 8082
Injected On: 10/19/2016 4:06:56 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.569		1268	1888
1.64		4555	11658
1.674		5304	4198
1.708		5609	8544
1.781		7211	12930
1.79		8504	21576
1.848		85679	75141
1.919		18711	42265
1.975		20144	24621
2.078		2271	4320
2.13		2262	1994
2.156		6731	8253
2.217		1556	2023
2.283		2850	2646
2.317		1080	820
2.333		2632	1722
2.419		3166	2592
2.457		7415	3710
2.471		5245	2839
2.533	TCX	9691637	5799315
2.623		1924	1984
2.697		3509	2736
2.73		1599	802
2.751		124869	72300
2.808		910	2519
2.866		22602	14898
2.966		1056	543
2.996		1327	1342
3.043		3216	3173
3.091		1937	3688
3.11		4751	7619
3.192		1828	974
3.211		19557	11037
3.251		42293	26551
3.3		4679	5697
3.335		7325	6405
3.376		3319	2355
3.409		2281	2823
3.477		6051	5741
3.61		2170	4217
3.639		2857	3639
3.855		6156	6637
3.886		1354	1151
3.923		1221	1041
3.983		11546	9804
4.058		1839	1069
4.143		3921	8956
4.231		3883	3166
4.337		10019	11416
4.409		1638	3814
4.461		2743	3205
4.513		2481	2178
4.559		21890	17869
4.586		3174	2449

4.635		2588	3893
4.683		1067	635
4.741		1675	1798
4.803		3449	4648
4.867		2716	3193
4.912		1175	764
4.944		14723	11967
4.996		3075	3355
5.066		43906	42057
5.251		3035	3628
5.41		78645	70028
5.479		86945	77537
5.529		13374	12438
5.633		1235	1561
5.794		1841	2039
5.838		58658	53735
5.96		1164	927
5.995	DCB	6277526	5892334
6.334		1205	1251
6.449		4882	7182
6.684		958	422
6.723		1430	1424
7.298		789	847
7.696		1155	1425
8.013		2588	5038
8.609		1071	594

IBLKX1624B JUPIBLKJU PIBLK1629199999 10736 SW-846 8082

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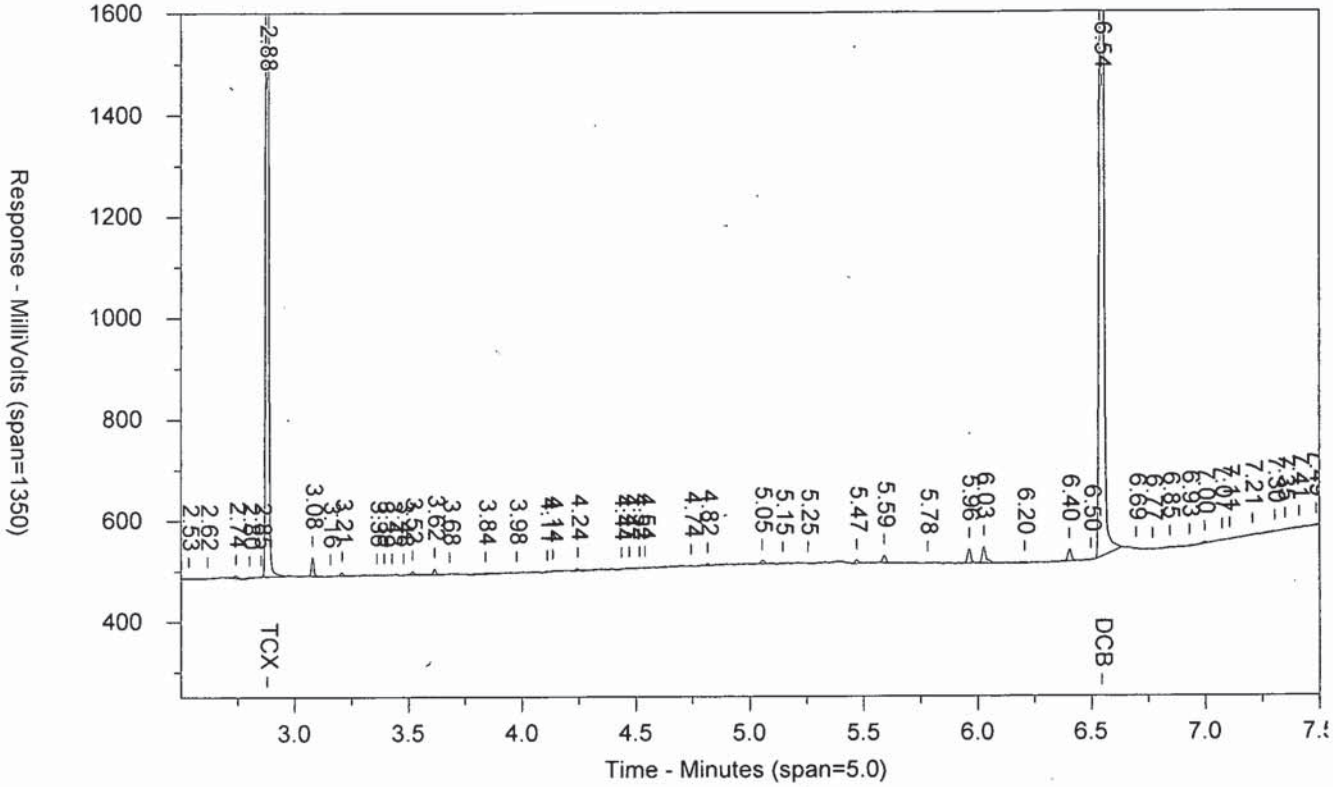

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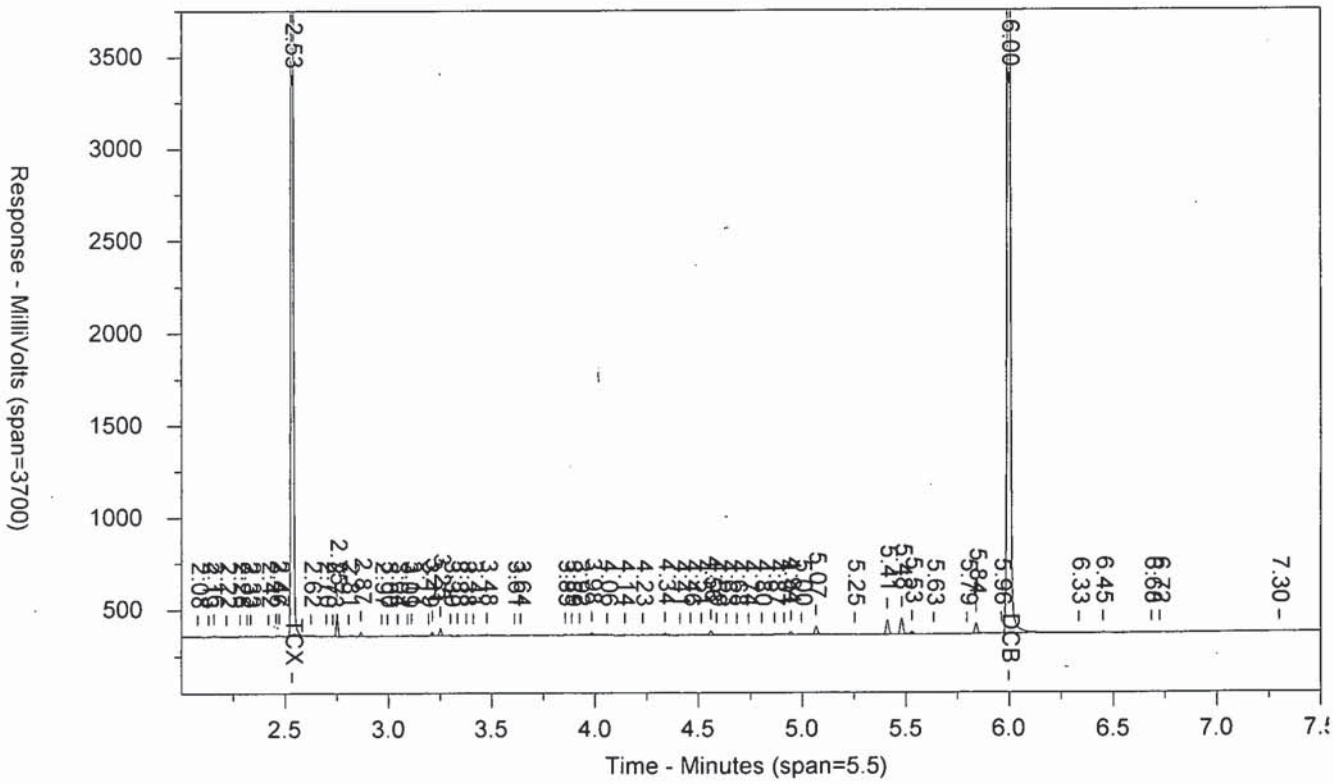

LANCASTER LABORATORIES

Sample Number: IBLKX1624B JUPIBLKJU PIBLK1629199999 10736 SW-846 8082
Injected On: 10/19/2016 4:06:56 AM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.879	3023829	.23	TCX	2.533	9691637	.235	TCX
6.544	2981239	.237	DCB	5.995	6277526	.234	DCB

Files:
Area File: 07pcbs16283008.0030.RAW
Area File: 07pcbs16283008B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2016 4:15:36 AM
File Reported On: 10/19/2016 at 2:39:19 PM

IBLKX1624B JUPIBLKJU PIBLK1629199999 10736 SW-846 8082

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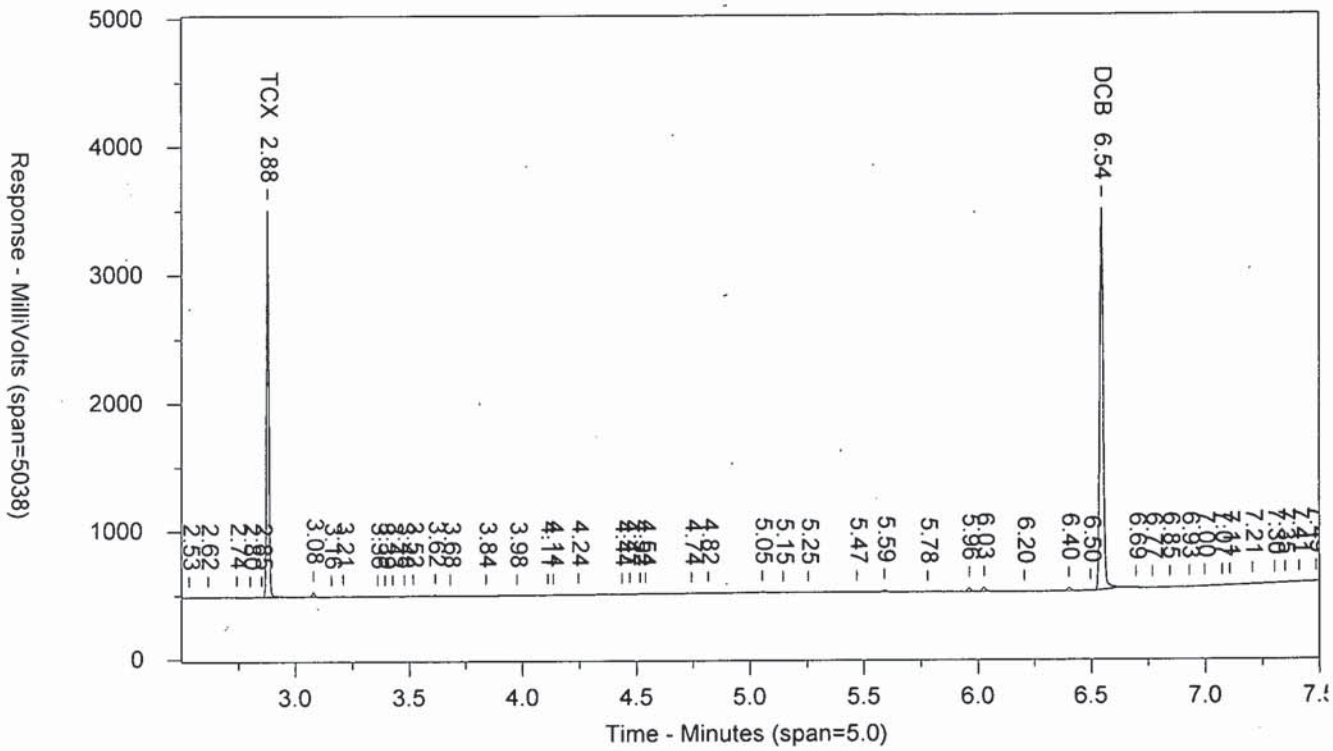

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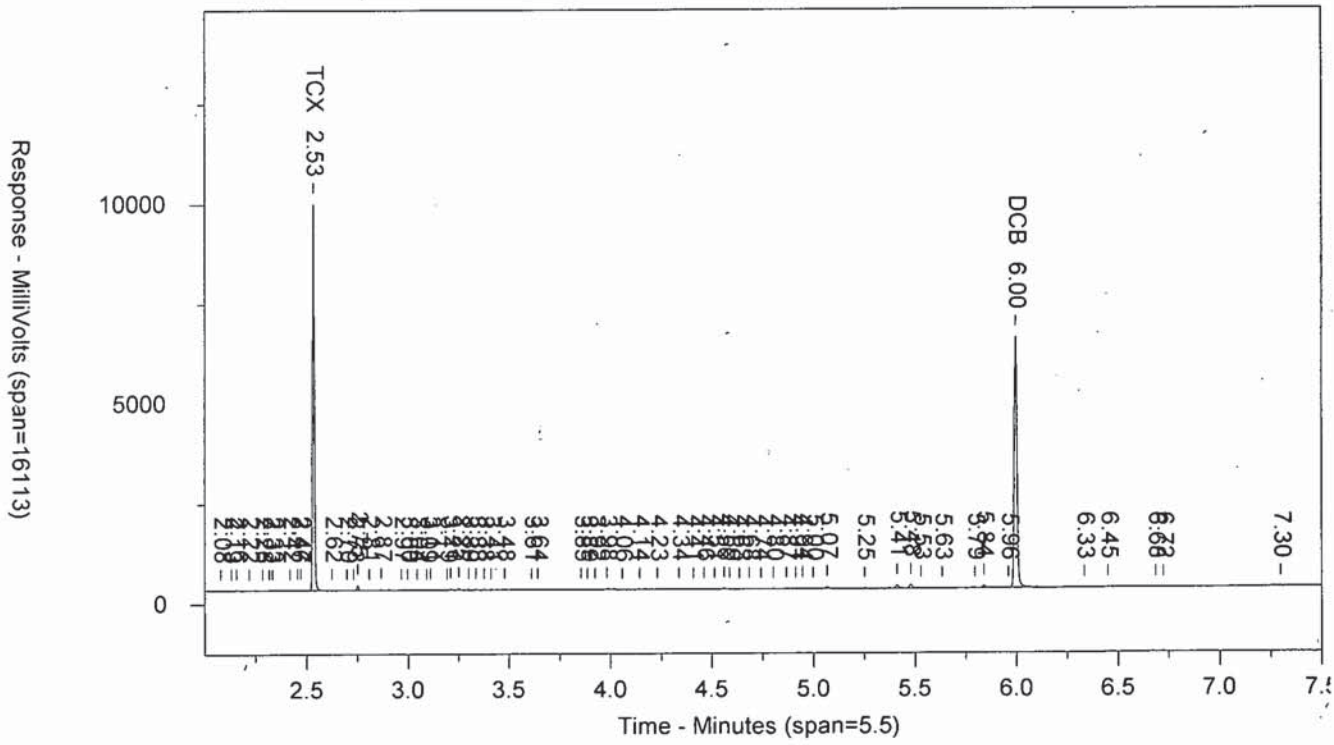

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 10/12/16 ACF PBLK22285 BLK Sample ID: AB **Batchnumber: 162850022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analysis: 10225

Analysis Report (A)

Injected on	Oct 13, 2016 20:18:34
Instrument	19843A
Result file	07PCBS16283004.0046.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

%SSR(TCX) 106% (46 - 148) Conc: 31.03492
%SSR(DCB) 125% (49 - 139) Conc: 36.55507

Analysis Report (B)

Injected on	Oct 13, 2016 20:18:34
Instrument	19843B
Result file	07PCBS16283004B.0046.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

%SSR(TCX) 106% (46 - 148) Conc: 31.09011
%SSR(DCB) 113% (49 - 139) Conc: 33.07895

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.85	2.88	2.91	4076377	31.03492	Tetrachloro-m-xylene	2.50	2.53	2.56	12810160	31.09011
Decachlorobiphenyl	6.52	6.54	6.58	4593900	36.55507	Decachlorobiphenyl	5.97	5.99	6.03	8882985	33.07895

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	31.09011				0.18	
☐ Decachlorobiphenyl	A	36.55507				9.98	

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016			<51	<9.9			4	
☐ PCB-1221			<51	<15.3			3	
☐ PCB-1232			<51	<12.3			4	
☐ PCB-1242			<51	<12.3			4	
☐ PCB-1248			<51	<9.9			4	
☐ PCB-1254			<51	<13.2			4	
☐ PCB-1260			<51	<11.7			4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs			<51	<9.9				

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: OCT 19 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: OCT 19 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/12/16 ACF PBLK22285 Sample ID: AB **Batchnumber: 162850022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 13, 2016 20:18:34
Instrument : CP 7--19843A
Result file : 07PCBS16283004.0046.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 106% (46-148) Conc.: 31.03492
%SSR(DCB) : 125% (49-139) Conc.: 36.55507

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	43.65	
3.12	3.14	3.16	2061.271	0.951391			1
+ 3.33	3.35	3.37	4590.05	2.185027			2
3.33	3.37	3.37	5058.325	2.407942			2
3.66	3.68	3.70	4301.837	1.403231			4
3.72	3.74	3.76	6411.164	2.65394			5
Height Summation:			17832.597				
Amount Avg CF:			1.854126	Linear:			
Aroclor-1221					3	94.15	
3.02	3.02	3.06	4309.254	3.622592			1
+ 3.02	3.04	3.06	1193.172	1.003045			1
+ 3.07	3.08	3.11	6154.374	6.597672			2
3.07	3.10	3.11	8141.322	8.727739			2
3.12	3.14	3.16	2061.271	0.657239			3
Height Summation:			14511.847				
Amount Avg CF:			4.335856	Linear:			
Aroclor-1232					4	64.20	
3.12	3.14	3.16	2061.271	0.788602			1
+ 3.33	3.35	3.37	4590.05	4.590257			2
3.33	3.37	3.37	5058.325	5.058553			2
3.66	3.68	3.70	4301.837	2.784189			4
3.72	3.74	3.76	6411.164	6.040603			5
Height Summation:			17832.597				
Amount Avg CF:			3.667987	Linear:			
Aroclor-1242					4	48.29	
3.12	3.14	3.16	2061.271	1.163465			1
+ 3.33	3.35	3.37	4590.05	2.768451			2
3.33	3.37	3.37	5058.325	3.050887			2
3.66	3.68	3.70	4301.837	1.679385			4
3.72	3.74	3.76	6411.164	3.618998			5
Height Summation:			17832.597				
Amount Avg CF:			2.378184	Linear:			
Aroclor-1248					4	78.28	
3.72	3.74	3.76	6411.164	4.881406			1
3.78	3.81	3.82	1163.59	0.513903			2
3.99	4.02	4.03	3271.656	1.556522			4
4.56	4.57	4.60	4575.921	2.590128			6
Height Summation:			15422.331				
Amount Avg CF:			2.38549	Linear:			
Aroclor-1254					6	110.33	
4.15	4.17	4.19	2498.135	0.93595			1
4.50	4.53	4.53	1829.127	0.667442			2
4.56	4.57	4.60	4575.921	0.799721			3
4.68	4.70	4.72	14825	8.10956			4
4.77	4.78	4.81	6033.192	1.537275			5
4.97	4.98	5.01	12268.02	3.861006			6
Height Summation:			42029.395				
Amount Avg CF:			2.651826	Linear:			

Analysis Report (B)

Injected on : Oct 13, 2016 20:18:34
Instrument : CP 7--19843B
Result file : 07PCBS16283004B.0046.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 106% (46-148) Conc.: 31.09011
%SSR(DCB) : 113% (49-139) Conc.: 33.07895

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	60.69	
2.80	2.82	2.84	3923.264	0.575544			1
3.13	3.15	3.17	12256.42	1.490772			2
+ 3.32	3.33	3.36	2824.115	0.338754			3
3.32	3.35	3.36	3258.085	0.390809			3
3.39	3.41	3.43	3178.674	0.361353			4
3.55	3.57	3.59	5731.612	0.813467			5
+ 3.64	3.66	3.68	1920.04	0.318462			6
3.64	3.67	3.68	3247.331	0.538609			6
Height Summation:			31595.386				
Amount Avg CF:			0.695092	Linear:			
Aroclor-1221					3	54.30	
+ 2.69	2.69	2.73	5165.248	1.245357			1
2.69	2.70	2.73	5997.847	1.446099			1
2.75	2.76	2.79	2770.954	1.149537			2
2.80	2.82	2.84	3923.264	0.395859			3
Height Summation:			12692.065				
Amount Avg CF:			0.997165	Linear:			
Aroclor-1232					6	68.48	
2.80	2.82	2.84	3923.264	0.480284			1
3.13	3.15	3.17	12256.42	2.897858			2
+ 3.32	3.33	3.36	2824.115	0.644763			3
3.32	3.35	3.36	3258.085	0.743841			3
3.39	3.41	3.43	3178.674	0.805324			4
3.55	3.57	3.59	5731.612	1.953651			5
+ 3.64	3.66	3.68	1920.04	0.688142			6
3.64	3.67	3.68	3247.331	1.163843			6
Height Summation:			31595.386				
Amount Avg CF:			1.3408	Linear:			
Aroclor-1242					6	135.05	
2.80	2.82	2.84	3923.264	0.686371			1
3.13	3.15	3.17	12256.42	1.855635			2
+ 3.32	3.33	3.36	2824.115	0.413282			3
3.32	3.35	3.36	3258.085	0.47679			3
3.39	3.41	3.43	3178.674	0.47858			4
3.58	3.59	3.62	14025.73	6.689798			5
+ 3.64	3.66	3.68	1920.04	0.401256			6
3.64	3.67	3.68	3247.331	0.678637			6
Height Summation:			39889.504				
Amount Avg CF:			1.810969	Linear:			
Aroclor-1248					6	73.87	
3.43	3.45	3.47	3025.276	0.367522			1
3.55	3.57	3.59	5731.612	0.594261			2
+ 3.64	3.66	3.68	1920.04	0.269445			3
3.64	3.67	3.68	3247.331	0.455708			3
3.77	3.79	3.81	10460.64	0.792393			4
+ 4.12	4.12	4.16	5514.307	0.87543			5
+ 4.12	4.14	4.16	7791.677	1.236976			5
4.12	4.16	4.16	11318.45	1.796873			5
4.28	4.30	4.32	7946.275	2.161925			6
Height Summation:			41729.584				
Amount Avg CF:			1.028114	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/12/16 ACF PBLK22285 Sample ID: AB **Batchnumber: 162850022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 13, 2016 20:18:34
Instrument : CP 7--19843A
Result file : 07PCBS16283004.0046.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	14.15	
4.68	4.70	4.72	14825	3.347306			1
4.97	4.98	5.01	12268.02	4.825826			2
5.15	5.16	5.19	15300.05	4.837452			3
5.31	5.33	5.35	19955.36	4.891953			4
5.55	5.57	5.59	46102.81	4.684021			5
5.76	5.78	5.80	29735.17	5.224495			6
Height Summation:			138186.41				
Amount Avg CF:			4.635176	Linear:			
Aroclor-1262					6	21.05	
5.15	5.16	5.19	15300.05	2.480901			1
5.31	5.33	5.35	19955.36	3.481535			2
5.55	5.57	5.59	46102.81	3.31324			3
5.76	5.78	5.80	29735.17	3.663234			4
5.81	5.82	5.85	8817.454	2.071544			5
6.18	6.20	6.22	14966.33	2.772161			6
Height Summation:			134877.174				
Amount Avg CF:			2.963769	Linear:			
Aroclor-1268					6	146.55	
5.75	5.78	5.79	29735.17	110.103753			1
E 5.81	5.82	5.85	8817.454	370.247911			2
5.94	5.96	5.98	29250.57	31.267479			3
6.01	6.03	6.05	31428.72	57.704434			4
6.18	6.20	6.22	14966.33	2.848792			5
6.38	6.40	6.42	32784.45	2.458349			6
Height Summation:			146982.694				
Amount Avg CF:			95.771786	Linear:			

Analysis Report (B)

Injected on : Oct 13, 2016 20:18:34
Instrument : CP 7--19843B
Result file : 07PCBS16283004B.0046.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	125.72	
4.06	4.08	4.10	10976.25	1.003348			1
+ 4.12	4.12	4.16	5514.307	0.28659			2
+ 4.12	4.14	4.16	7791.677	0.40495			2
4.12	4.16	4.16	11318.45	0.588244			2
4.21	4.23	4.25	53014.43	5.596233			3
4.28	4.30	4.32	7946.275	0.693589			4
4.35	4.37	4.39	77049.49	10.871858			5
4.49	4.51	4.53	9088.339	1.126183			6
Height Summation:			169393.234				
Amount Avg CF:			3.313242	Linear:			
Aroclor-1260					6	18.39	
4.21	4.23	4.25	53014.43	3.467062			1
4.35	4.37	4.39	77049.49	4.547634			2
4.45	4.46	4.48	47773.54	3.620043			3
4.79	4.80	4.82	50922.33	4.585339			4
4.98	5.00	5.02	130224.4	5.104849			5
5.24	5.25	5.28	86191.59	5.58982			6
Height Summation:			445175.78				
Amount Avg CF:			4.485791	Linear:			
Aroclor-1262					6	28.66	
4.60	4.62	4.64	41161.02	2.12535			1
4.78	4.80	4.82	50922.33	2.579148			2
4.98	5.00	5.02	130224.4	3.427819			3
5.19	5.21	5.23	25114.5	1.770468			4
5.24	5.25	5.28	86191.59	3.901181			5
5.62	5.64	5.66	37635.82	2.880761			6
Height Summation:			371249.66				
Amount Avg CF:			2.780788	Linear:			
Aroclor-1268					6	113.57	
5.19	5.21	5.23	25114.5	0.673052			1
5.24	5.25	5.28	86191.59	2.229325			2
5.39	5.41	5.43	85166.95	2.626448			3
5.46	5.48	5.50	91717.74	10.92618			4
5.62	5.64	5.66	37635.82	2.976451			5
5.82	5.84	5.86	81310.75	0.772563			6
Height Summation:			407137.35				
Amount Avg CF:			3.367336	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		** 90.93	4	40	
Aroclor-1221			51	15.3		** 125.21	3	40	
Aroclor-1232			51	12.3		** 92.92	4	40	
Aroclor-1242			51	12.3		27.08	4	40	
Aroclor-1248			51	9.9		** 79.53	4	40	
Aroclor-1254			51	13.2		22.18	4	40	
Aroclor-1260			51	11.7		3.28	4	40	
Aroclor-1262			51	9.9		6.37	4	40	
Aroclor-1268			51	9.9	E	** 186.41	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/12/16 ACF ABPBLK22285 BLK 162850022A 10225 SW-846 8082
Injected On: 10/13/2016 8:18:34 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004.0046.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.529		6656	5433
1.547		18888	25490
1.593		9364	9199
1.628		2892	2875
1.687		13469	16271
1.714		10777	9096
1.748		6314	8354
1.837		3438	3336
1.914		4752	3104
1.938		6259	5200
1.966		7418	10552
2		5407	6256
2.046		4499	4523
2.067		3559	2741
2.089		6338	4095
2.148		2409	2065
2.177		17846	14198
2.202		3443	3023
2.239		2573	2481
2.27		17578	12538
2.287		9254	7206
2.348		13817	13230
2.42		3495	3078
2.435		6439	5567
2.473		2538	1623
2.554		1937	3161
2.637		1609	1493
2.679		1460	2659
2.742		2175	3598
2.786		3031	2596
2.831		1480	1245
2.88	TCX	4076377	2857022
3.022		4309	18393
3.043		1193	655
3.078		6154	4045
3.101		8141	5623
3.137		2061	1166
3.164		5101	4790
3.192		3593	2447
3.208		7003	5303
3.245		3561	4180
3.267		2355	1561
3.288		3563	3069
3.325		1861	642
3.347		4590	3003
3.37		5058	4751
3.407		5404	5862
3.433		2275	3349
3.502		5705	9726
3.525		5240	7753
3.559		7890	6853
3.585		3335	2319
3.608		4148	3044

RT A	Compound A	Height A	Area A
3.642		5915	8241
3.676		4302	4718
3.738		6411	8163
3.809		1164	1702
3.841		1246	767
3.958		1039	675
4.021		3272	5877
4.112		1614	1461
4.138		1883	1035
4.171		2498	2220
4.243		5191	9471
4.322		3906	3559
4.405		2078	2416
4.464		2027	2954
4.53		1829	2801
4.574		4576	4250
4.619		4842	7914
4.695		14825	14366
4.746		1230	397
4.781		6033	6671
4.813		3005	2678
4.842		4710	6421
4.892		26260	31337
4.943		4060	3245
4.985		12268	15086
5.058		7402	9026
5.102		29615	28201
5.165		15300	15191
5.209		8998	11152
5.262		2538	1909
5.329		19955	31441
5.388		10351	13274
5.429		5101	4388
5.472		3858	4679
5.514		7000	7814
5.571		46103	60886
5.733		6989	7324
5.776		29735	30478
5.816		8817	16562
5.961		29251	31467
6.025		31429	28535
6.048		4362	1679
6.131		1487	1930
6.204		14966	15353
6.267		20755	28496
6.338		1450	1342
6.401		32784	34823
6.493		1238	1190
6.542	DCB	4593901	4667450
6.803		1656	564
6.851		2107	3327
6.928		1499	1863
7.065		1425	1249
7.129		1220	1625
7.202		1677	3913
7.298		2027	1592
7.335		1408	1855
7.369		1969	2607
7.413		1474	950
7.471		1481	1660
7.512		976	1243
7.601		1335	2483
7.627		1260	1104
7.646		1387	562
7.748		1595	3312
7.8		1157	505

RT A	Compound A	Height A	Area A
7.839		1510	1168
7.929		1414	4255
8.021		2646	2384
8.045		2295	1962
8.101		761	1540
8.135		1975	1440
8.347		1886	778
8.374		1534	455
8.403		2921	5955
8.466		1597	835
8.527		714	3473
8.584		8013	17544

LANCASTER LABORATORIES

Sample Number: BLANKA 10/12/16 ACF ABPBLK22285 BLK 162850022A 10225 SW-846 8082
Injected On: 10/13/2016 8:18:34 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004B.0046.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.513		15832	11128
1.536		3484	1933
1.583		11318	12370
1.61		3639	1812
1.634		2951	1550
1.687		13384	26954
1.731		11052	12954
1.778		11580	16550
1.797		33997	41900
1.849		97742	89512
1.913		5697	7242
1.927		8380	10352
1.958		10404	8487
1.976		28130	19127
2.023		19020	10442
2.037		40360	23445
2.065		4402	2764
2.084		11175	6217
2.102		8354	6256
2.134		4450	4812
2.156		3403	2129
2.195		2619	1466
2.236		2786	2405
2.272		2928	2722
2.322		5235	5490
2.354		4221	3155
2.382		2363	1484
2.404		2652	2501
2.436		3237	2287
2.478		1776	3959
2.492		2003	986
2.534	TCX	12810160	7725108
2.592		4801	4449
2.614		5104	4468
2.652		7753	6554
2.688		5165	7116
2.704		5998	3677
2.735		10548	13560
2.759		2771	995
2.787		23551	20077
2.82		3923	2007
2.842		16444	11333
2.867		20342	16293
2.895		5231	2914
2.915		5824	5115
2.96		3954	2945
2.989		7020	7947
3.038		13747	10484
3.068		15415	18207
3.088		6241	4386
3.11		9681	6758
3.15		12256	20011
3.179		5410	2770
3.201		2321	2558

3.242	7313	7496
3.286	11082	15636
3.329	2824	2000
3.351	3258	1872
3.377	4151	2771
3.41	3179	3195
3.449	3025	2283
3.47	8610	8281
3.51	4724	3917
3.57	5732	8908
3.594	14026	13853
3.641	2633	3576
3.66	1920	977
3.674	3247	1933
3.745	3703	5338
3.768	2666	1549
3.79	10461	6672
3.814	5420	3639
3.855	6366	7532
3.888	14011	9852
3.917	4572	5573
3.983	10182	9053
4.024	2565	2981
4.057	2609	1628
4.082	10976	8654
4.123	5514	7582
4.141	7792	3995
4.155	11318	6076
4.179	7283	6420
4.231	53014	37516
4.26	2893	3482
4.299	7946	5021
4.327	15044	18153
4.365	77049	55552
4.421	6087	5169
4.464	47774	50433
4.513	9088	7026
4.557	32581	35620
4.588	82899	71598
4.62	41161	30197
4.658	25283	22623
4.715	1317	730
4.738	3619	2312
4.753	4338	2456
4.804	50922	39160
4.826	5337	3176
4.875	30592	28587
4.911	13014	10325
4.942	13353	10121
4.97	2302	1236
4.995	130224	112320
5.065	37824	43181
5.157	1452	883
5.186	2872	1770
5.209	25115	20406
5.254	86192	92027
5.409	85167	74521
5.478	91718	81993
5.527	11868	7552
5.544	10570	7404
5.637	37636	31716
5.671	2604	2334
5.707	1067	896
5.797	1633	2603
5.837	81311	69532
5.868	2799	1959
5.886	1292	1361

5.995	DCB	8882985	7962653
6.221		877	426
6.382		930	594
6.467		1082	789
6.613		1317	685
6.673		845	1354
6.726		1258	1605
6.783		790	1228
7.283		2156	6033
7.481		851	2120
7.51		799	510
7.582		1026	1492
7.752		966	805
8.009		2141	4431
8.11		861	1916
8.167		1019	398
8.391		1553	661

BLANKA 10/12/16 ACF ABPBLK22285 BLK 162850022A 10225 SW-846 8(

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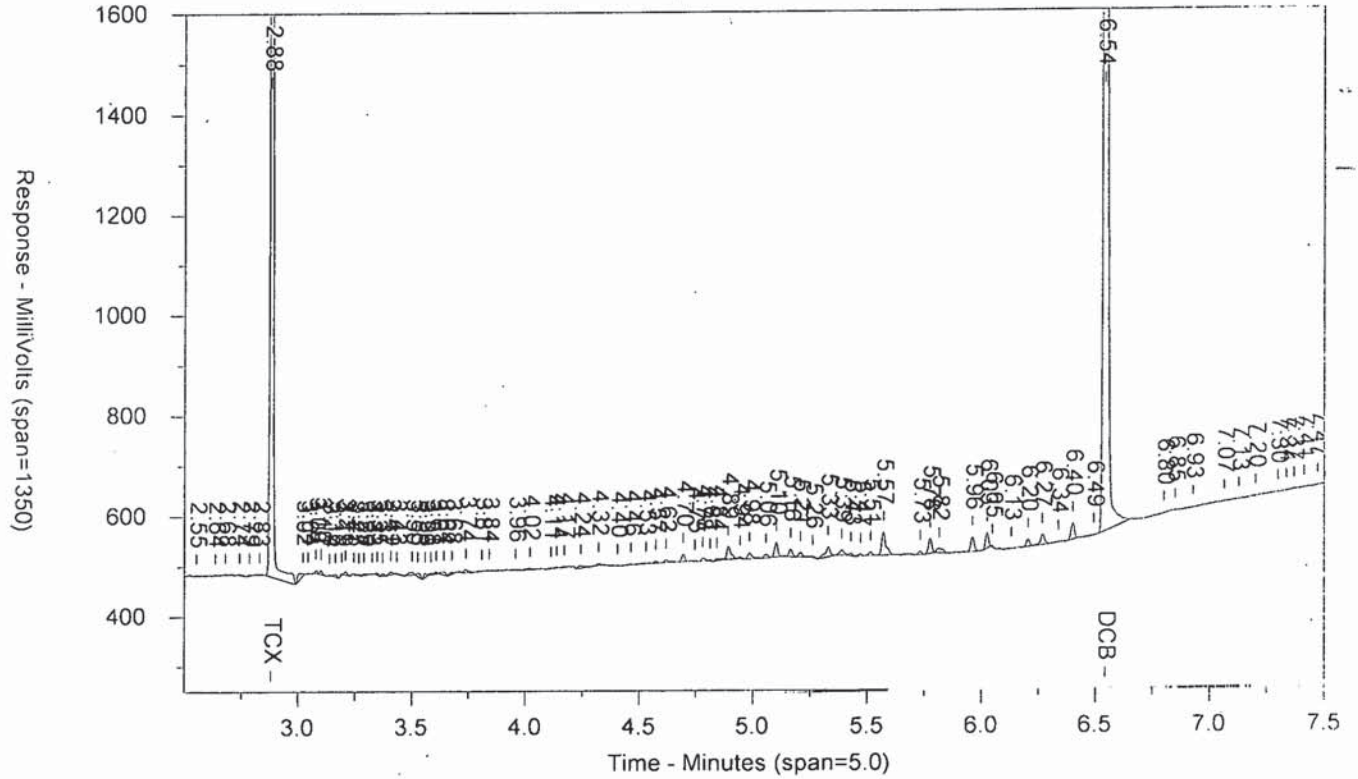

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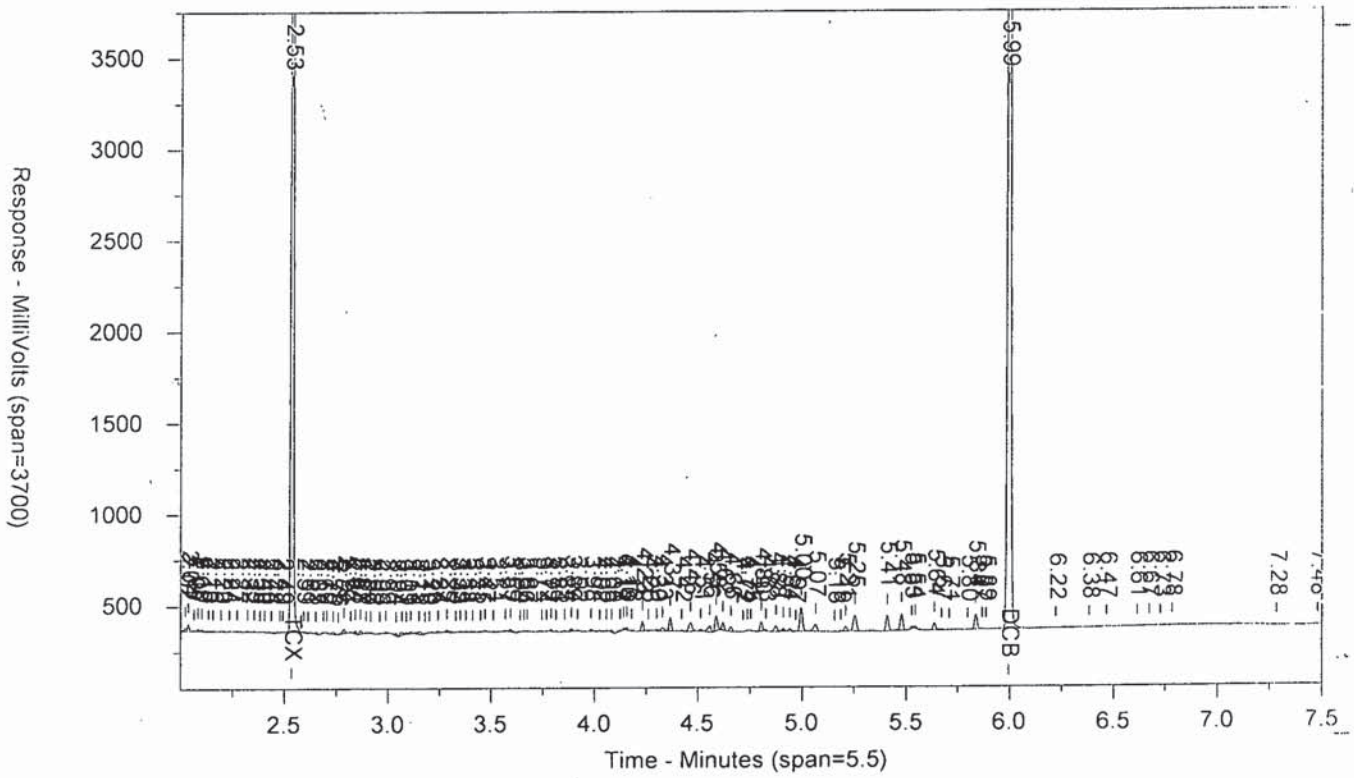

LANCASTER LABORATORIES

Sample Number: BLANKA 10/12/16 ACF ABPBLK22285 BLK 162850022A 10225 SW-846 8082
Injected On: 10/13/2016 8:18:34 PM Sample Weight: 10
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	4076377	31.035	TCX	2.534	12810160	31.09	TCX
6.542	4593901	36.555	DCB	5.995	8882985	33.079	DCB

Files:
Area File: 07pcbs16283004.0046.RAW
Area File: 07pcbs16283004B.0046.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/13/2016 8:27:15 PM
File Reported On: 10/13/2016 at 8:27:23 PM

BLANKA 10/12/16 ACF ABPBLK22285 BLK 162850022A 10225 SW-846 8(

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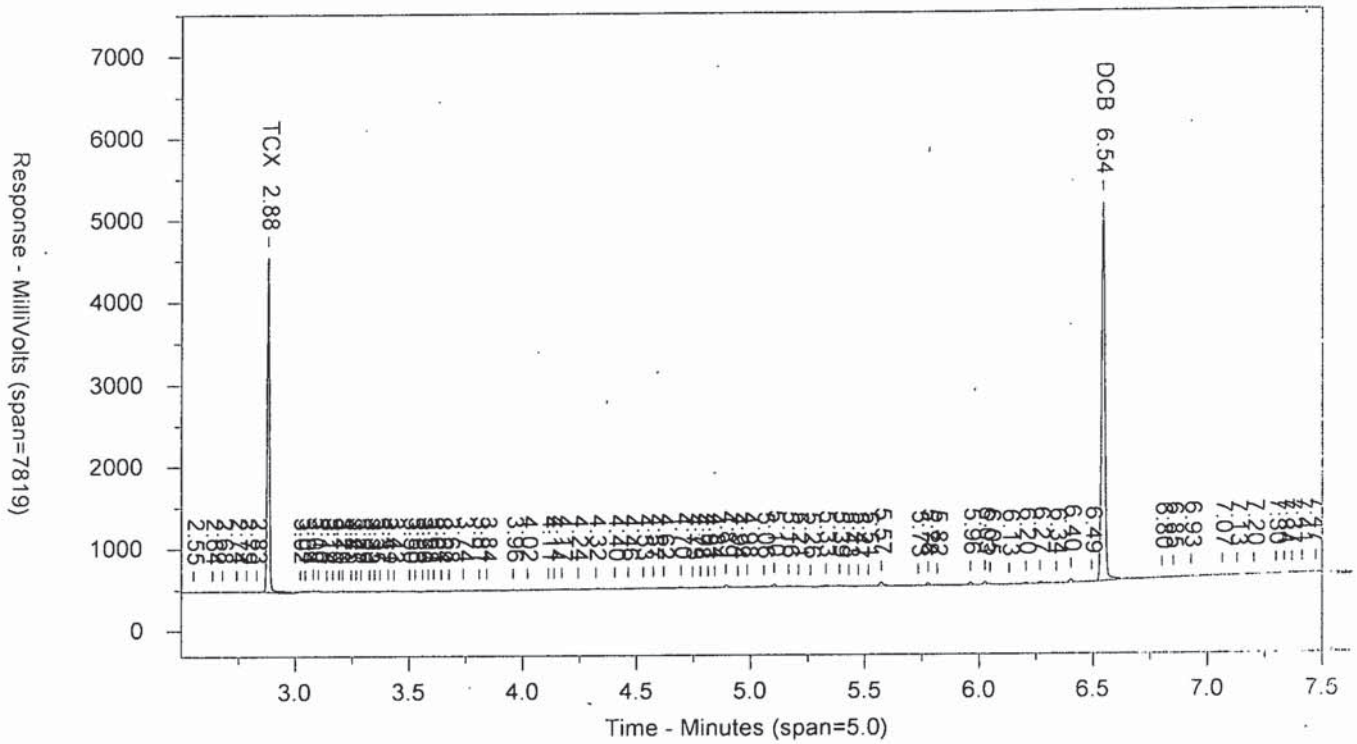

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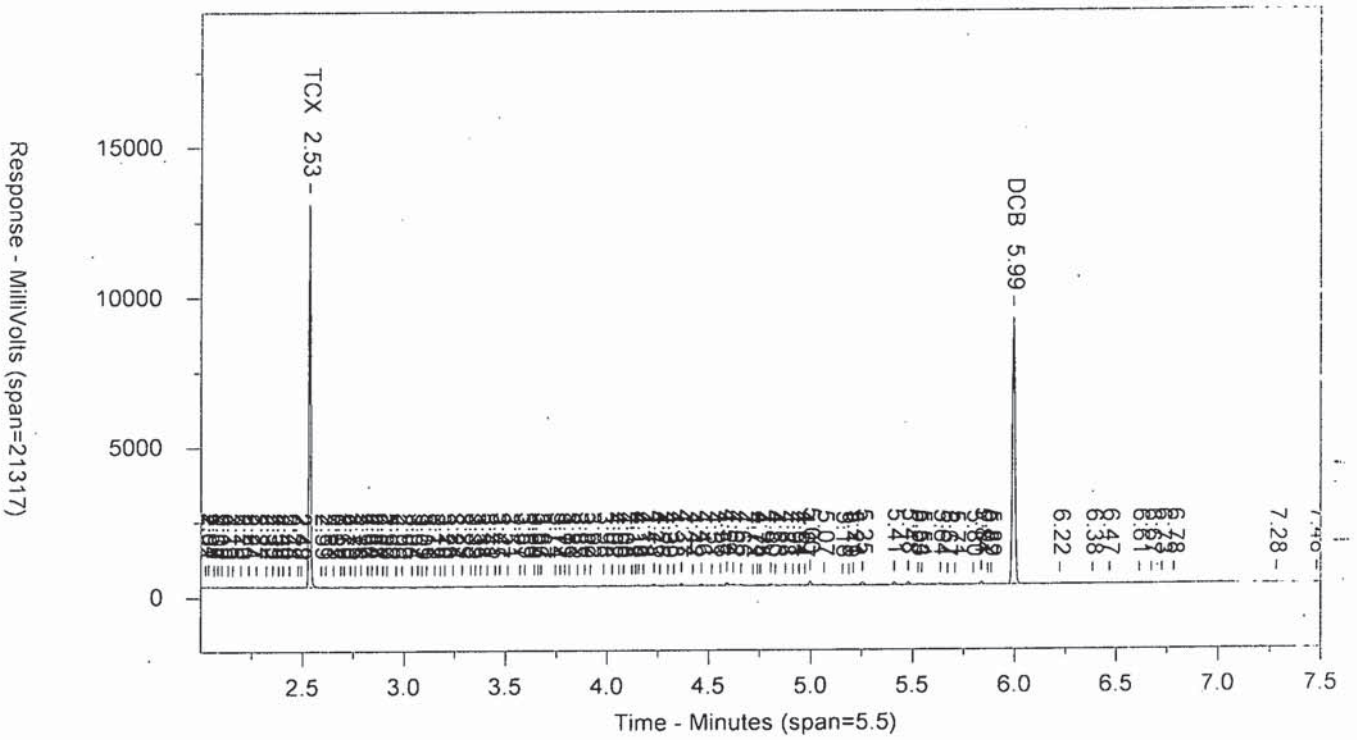

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Data Summary

Sample Name: 8592782 MSACF DF10 AMW62 MS Sample ID: AD **Batchnumber: 162850022A**
Sample Amount: 10.05 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Oct 19, 2016 02:35:50
Instrument	19843A
Result file	07PCBS16283008.0022.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

%SSR(TCX) 98% (46 - 148) Conc: 28.66657
%SSR(DCB) 112% (49 - 139) Conc: 32.74429

Analysis Report (B)

Injected on	Oct 19, 2016 02:35:50
Instrument	19843B
Result file	07PCBS16283008B.0022.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

%SSR(TCX) 100% (46 - 148) Conc: 29.15104
%SSR(DCB) 127% (49 - 139) Conc: 37.01622

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.85	2.88	2.91	378413	28.66657
Decachlorobiphenyl	6.52	6.54	6.58	413557	32.74429

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	1207126	29.15104
Decachlorobiphenyl	5.97	5.99	6.03	999000	37.01622

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	29.15104				1.68	
Decachlorobiphenyl	B	37.01622				12.25	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**8.71**	
3.12	3.14	3.16	112921.7	518.603052			1
3.33	3.35	3.37	120366.6	570.137089			2
3.45	3.46	3.49	136280.5	529.009684			3
3.66	3.68	3.70	190613.3	618.674593			4
3.72	3.73	3.76	152334.6	627.461076			5
Height summation:			**712516.7**				
Concentration		CF:	**572.777099**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**28.40**	
2.80	2.82	2.84	331677.2	484.150274			1
3.13	3.15	3.17	518831.1	627.924554			2
3.32	3.34	3.36	496042.5	592.045709			3
3.39	3.41	3.43	589418.2	666.719585			4
3.55	3.57	3.59	702289.1	991.775173			5
Height summation:			**2638258.1**				
Concentration		CF:	**672.523059**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**25.17**	
4.68	4.69	4.72	2581137	5798.900962			1
5.15	5.16	5.19	2258268	7104.495839			3
5.31	5.33	5.35	2285690	5575.373223			4
5.55	5.57	5.59	9388825	9491.539186			5
5.76	5.78	5.80	5344816	9344.166787			6
Height summation:			**21858736**				
Concentration		CF:	**7462.895199**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.12**	
4.21	4.23	4.25	10320490	6715.862898			1
4.35	4.36	4.39	13282930	7800.879344			2
4.45	4.46	4.48	8962610	6757.635382			3
4.79	4.80	4.82	7881852	7061.962092			4
4.98	4.99	5.02	23796970	9282.097249			5
5.24	5.25	5.28	12729310	8214.321882			6
Height summation:			**76974162**				
Concentration		CF:	**7638.793141**	L:			

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	B	672.523059	507.4627	98.5075		16.02	4	
PCB-1221			<507.4627	<152.2388			3	
PCB-1232			<507.4627	<122.3881			4	
PCB-1242			<507.4627	<122.3881			4	
PCB-1248			<507.4627	<98.5075			4	
PCB-1254			<507.4627	<131.3433			4	
PCB-1260	B	7638.793141	507.4627	116.4179		2.33	4	
PCB-1262			<507.4627	<98.5075			4	
PCB-1268			<507.4627	<98.5075			4	
Total PCBs	A	8311.3162	507.4627	98.5075				

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Data Summary

Sample Name: 8592782 MSACF DF10 AMW62 MS Sample ID: AD **Batchnumber: 162850022A**
Sample Amount: 10.05 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Oct 19, 2016 02:35:50
Instrument	19843A
Result file	07PCBS16283008.0022.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 19, 2016 02:35:50
Instrument	19843B
Result file	07PCBS16283008B.0022.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

Units: ug/kg

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

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

Verified by: Valerie L. Tomayko, Principal Specialist
Date: OCT 21 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592782** MSACF DF10 AMW62 Sample ID: AD **Batchnumber: 162850022A**
Sample Amount: 10.05 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 19, 2016 02:35:50
Instrument : CP 7--19843A
Result file : 07PCBS16283008.0022.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 98% (46-148) Conc.: 28.66657
%SSR(DCB) : 112% (49-139) Conc.: 32.74429

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	29.33	
3.12	3.14	3.16	112921.7	518.603052			1
3.33	3.35	3.37	120366.6	570.137089			2
+ 3.33	3.37	3.37	53809.68	254.878798			2
3.45	3.46	3.49	136280.5	529.009684			3
3.66	3.68	3.70	190613.3	618.674593			4
3.72	3.73	3.76	152334.6	627.461076			5
3.91	3.92	3.95	184457	1025.434674			6
Height Summation:			**896973.7**				
Amount Avg CF:			**648.220028**	Linear:			
Aroclor-1221					3	35.80	
3.02	3.03	3.06	20678.84	172.972638			1
3.07	3.09	3.11	23360.87	249.189511			2
3.12	3.14	3.16	112921.7	358.260796			3
Height Summation:			**156961.41**				
Amount Avg CF:			**260.140982**	Linear:			
Aroclor-1232					6	51.62	
3.12	3.14	3.16	112921.7	429.866902			1
3.33	3.35	3.37	120366.6	1197.73151			2
+ 3.33	3.37	3.37	53809.68	535.443796			2
3.45	3.46	3.49	136280.5	1080.730417			3
3.66	3.68	3.70	190613.3	1227.529538			4
3.72	3.73	3.76	152334.6	1428.15688			5
E 3.91	3.92	3.95	184457	2506.477255			6
Height Summation:			**896973.7**				
Amount Avg CF:			**1311.74875**	Linear:			
Aroclor-1242					6	32.68	
3.12	3.14	3.16	112921.7	634.205115			1
3.33	3.35	3.37	120366.6	722.369389			2
+ 3.33	3.37	3.37	53809.68	322.933984			2
3.45	3.46	3.49	136280.5	679.863366			3
3.66	3.68	3.70	190613.3	740.429056			4
3.72	3.73	3.76	152334.6	855.626021			5
3.91	3.92	3.95	184457	1368.481002			6
Height Summation:			**896973.7**				
Amount Avg CF:			**833.495658**	Linear:			
Aroclor-1248					6	150.07	
3.72	3.73	3.76	152334.6	1154.092217			1
3.78	3.80	3.82	207931.9	913.768815			2
3.91	3.92	3.95	184457	722.104661			3
3.99	4.01	4.03	221741.2	1049.706724			4
4.17	4.19	4.21	350370.3	1541.956881			5
E 4.56	4.57	4.60	1994592	11233.904369			6
Height Summation:			**3111427**				
Amount Avg CF:			**2769.255611**	Linear:			
Aroclor-1254					6	80.61	
4.15	4.17	4.19	492216.4	1834.960481			1
+ 4.15	4.19	4.19	350370.3	1306.164634			1
4.50	4.51	4.53	606487.9	2202.04186			2
4.56	4.57	4.60	1994592	3468.551594			3
E 4.68	4.69	4.72	2581137	14049.069955			4
4.77	4.79	4.81	1955622	4958.191874			5
4.97	4.99	5.01	3266024	10227.731926			6
Height Summation:			**10896079.3**				
Amount Avg CF:			**6123.424615**	Linear:			

Analysis Report (B)

Injected on : Oct 19, 2016 02:35:50
Instrument : CP 7--19843B
Result file : 07PCBS16283008B.0022.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 100% (46-148) Conc.: 29.15104
%SSR(DCB) : 127% (49-139) Conc.: 37.01622

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	41.17	
2.80	2.82	2.84	331677.2	484.150274			1
3.13	3.15	3.17	518831.1	627.924554			2
+ 3.32	3.33	3.36	17837.25	21.289441			3
3.32	3.34	3.36	496042.5	592.045709			3
3.39	3.41	3.43	589418.2	666.719585			4
3.55	3.57	3.59	702289.1	991.775173			5
+ 3.64	3.64	3.68	163038.6	269.074042			6
3.64	3.66	3.68	814273.6	1343.85286			6
Height Summation:			**3452531.7**				
Amount Avg CF:			**784.411359**	Linear:			
Aroclor-1221					3	16.54	
2.69	2.71	2.73	99412.84	238.494863			1
2.75	2.77	2.79	73093.98	301.723623			2
2.80	2.82	2.84	331677.2	332.998409			3
Height Summation:			**504184.02**				
Amount Avg CF:			**291.072298**	Linear:			
Aroclor-1232					6	57.20	
2.80	2.82	2.84	331677.2	404.017397			1
3.13	3.15	3.17	518831.1	1220.600313			2
+ 3.32	3.33	3.36	17837.25	40.520966			3
3.32	3.34	3.36	496042.5	1126.862128			3
3.39	3.41	3.43	589418.2	1485.874404			4
E 3.55	3.57	3.59	702289.1	2381.88123			5
+ 3.64	3.64	3.68	163038.6	581.422929			6
E 3.64	3.66	3.68	814273.6	2903.835909			6
Height Summation:			**3452531.7**				
Amount Avg CF:			**1587.178563**	Linear:			
Aroclor-1242					6	45.29	
2.80	2.82	2.84	331677.2	577.379201			1
3.13	3.15	3.17	518831.1	781.607577			2
+ 3.32	3.33	3.36	17837.25	25.973248			3
3.32	3.34	3.36	496042.5	722.299399			3
3.39	3.41	3.43	589418.2	883.011694			4
+ 3.58	3.59	3.62	311508.9	1478.399895			5
3.58	3.61	3.62	328026.7	1556.792242			5
+ 3.64	3.64	3.68	163038.6	339.028046			6
3.64	3.66	3.68	814273.6	1693.228398			6
Height Summation:			**3078269.3**				
Amount Avg CF:			**1035.719752**	Linear:			
Aroclor-1248					6	122.18	
3.43	3.45	3.47	772430.7	933.708393			1
3.55	3.57	3.59	702289.1	724.519958			2
+ 3.64	3.64	3.68	163038.6	227.658765			3
3.64	3.66	3.68	814273.6	1137.01002			3
3.77	3.79	3.81	3379997	2547.609532			4
E 4.12	4.14	4.16	6442186	10176.479216			5
E 4.28	4.30	4.32	6031281	16327.527928			6
Height Summation:			**18142457.4**				
Amount Avg CF:			**5307.809175**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592782** MSACF DF10 AMW62 Sample ID: AD **Batchnumber: 162850022A**
Sample Amount: 10.05 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 19, 2016 02:35:50
Instrument : CP 7--19843A
Result file : 07PCBS16283008.0022.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	32.89	
4.68	4.68	4.72	2581137	5798.900962			1
E 4.97	4.99	5.01	3266024	12783.522098			2
5.15	5.16	5.19	2258268	7104.495839			3
+ 5.31	5.31	5.35	148555.8	362.364988			4
5.31	5.33	5.35	2285690	5575.373223			4
5.55	5.57	5.59	9388825	9491.539186			5
5.76	5.78	5.80	5344816	9344.166787			6
Height Summation:			**25124760**				
Amount Avg CF:			**8349.666349**	Linear:			
Aroclor-1262					6	31.30	
E 5.15	5.16	5.19	2258268	3643.560317			1
+ 5.31	5.31	5.35	148555.8	257.890174			2
E 5.31	5.33	5.35	2285690	3967.916382			2
E 5.55	5.57	5.59	9388825	6713.835728			3
E 5.76	5.78	5.80	5344816	6551.805336			4
E 5.81	5.82	5.85	1389472	3248.139487			5
E 6.18	6.20	6.22	2486492	4582.728911			6
Height Summation:			**23153563**				
Amount Avg CF:			**4784.66436**	Linear:			
Aroclor-1268					6	178.39	
E 5.75	5.78	5.79	5344816	196923.884088			1
E 5.81	5.82	5.85	1389472	580541.341163			2
5.94	5.96	5.98	71667.79	762.283431			3
E 6.01	6.02	6.05	135362.1	2472.939626			4
E 6.18	6.20	6.22	2486492	4709.409779			5
6.38	6.40	6.42	507753.1	378.845449			6
Height Summation:			**9935562.99**				
Amount Avg CF:			**130964.783923**	Linear:			

Analysis Report (B)

Injected on : Oct 19, 2016 02:35:50
Instrument : CP 7--19843B
Result file : 07PCBS16283008B.0022.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	76.20	
4.06	4.08	4.10	2591439	2357.069583			1
4.12	4.14	4.16	6442186	3331.482283			2
E 4.21	4.23	4.25	10320490	10840.166448			3
4.28	4.30	4.32	6031281	5238.201765			4
E 4.35	4.36	4.39	13282930	18649.269096			5
4.49	4.51	4.53	5886678	7258.194018			6
Height Summation:			**44555004**				
Amount Avg CF:			**7945.730532**	Linear:			
Aroclor-1260					6	13.12	
4.21	4.23	4.25	10320490	6715.862898			1
4.35	4.36	4.39	13282930	7800.879344			2
4.45	4.46	4.48	8962610	6757.635382			3
4.79	4.80	4.82	7881852	7061.962092			4
+ 4.79	4.82	4.82	2514432	2252.874511			4
4.98	4.99	5.02	23796970	9282.097249			5
5.24	5.25	5.28	12729310	8214.321882			6
Height Summation:			**76974162**				
Amount Avg CF:			**7638.793141**	Linear:			
Aroclor-1262					6	31.34	
E 4.60	4.62	4.64	6102684	3135.445062			1
E 4.78	4.80	4.82	7881852	3972.191256			2
E 4.98	4.99	5.02	23796970	6232.770898			3
E 5.19	5.21	5.23	3995272	2802.487957			4
E 5.24	5.25	5.28	12729310	5732.841776			5
E 5.62	5.64	5.66	5877105	4476.135916			6
Height Summation:			**60383193**				
Amount Avg CF:			**4391.978811**	Linear:			
Aroclor-1268					6	126.65	
5.19	5.21	5.23	3995272	1065.379109			1
E 5.24	5.25	5.28	12729310	3276.025667			2
5.39	5.41	5.43	236136.4	72.459387			3
5.46	5.48	5.50	83555.66	99.043233			4
E 5.62	5.64	5.66	5877105	4624.818535			5
5.82	5.84	5.86	1129377	106.772304			6
Height Summation:			**24050756.06**				
Amount Avg CF:			**1540.749706**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			507.4627	98.5075		19.01	4	40	
Aroclor-1221			507.4627	152.2388		11.22	3	40	
Aroclor-1232			507.4627	122.3881	E	19.00	4	40	
Aroclor-1242			507.4627	122.3881		21.64	4	40	
Aroclor-1248			507.4627	98.5075	E	** 62.86	4	40	
Aroclor-1254			507.4627	131.3433	E	25.90	4	40	
Aroclor-1260			507.4627	116.4179	E	8.89	4	40	
Aroclor-1262			507.4627	98.5075	E	8.56	4	40	
Aroclor-1268			507.4627	98.5075	E	** 195.35	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8592782MSACF DF10 ADAMW62 MS 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 2:35:50 AM
Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP7-19843A
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.527		29865	35631
1.606		2655	2459
1.634		21261	21424
1.699		4163	3056
1.724		1929	995
1.801		1202	819
1.948		9529	14691
1.998		16089	28819
2.054		17929	43725
2.118		8817	21072
2.155		68502	66875
2.241		6760	5483
2.269		21607	22337
2.338		9881	19378
2.393		2198	2892
2.456		2413	3164
2.559		1886	1700
2.583		11489	9234
2.604		41808	33423
2.658		2380	4023
2.759		2480	1592
2.805		3738	7079
2.849		1704	3132
2.879	TCX	378413	269526
2.993		10027	7065
3.032		20679	17438
3.089		23361	17465
3.137		112922	82737
3.184		57982	74342
3.229		14186	10255
3.27		2415	2241
3.349		120367	72513
3.365		53810	28968
3.402		14678	8396
3.417		4075	1545
3.434		14105	8512
3.463		136281	102799
3.536		11870	8604
3.572		32566	18569
3.586		14225	6642
3.63		52520	33304
3.64		180868	93596
3.676		190613	143347
3.734		152335	127462
3.775		11150	7461
3.801		207932	152592
3.828		134970	104970
3.848		43605	23482
3.923		184457	129883
3.946		67673	44075
3.977		80890	59282
4.012		221741	223691
4.052		54090	43363

RT A	Compound A	Height A	Area A
4.081		2387	1398
4.096		8702	5966
4.134		19941	16997
4.169		492216	355828
4.19		350370	214648
4.213		370273	272704
4.279		175473	151078
4.321		984436	974001
4.355		493863	402612
4.394		31872	23220
4.418		60105	46745
4.46		408888	380162
4.513		606488	595248
4.543		274633	186287
4.573		1994592	1772656
4.618		923248	987393
4.656		458772	358182
4.694		2581137	2462718
4.745		205616	181488
4.786		1955622	1892822
4.813		21304	10097
4.84		589161	566059
4.893		4251830	5139646
4.941		531631	473669
4.985		3266024	3270219
5.028		165318	122346
5.065		424261	529232
5.101		6473058	7023425
5.164		2258269	2059838
5.208		1538665	1531590
5.254		13443	13289
5.313		148556	209104
5.329		2285690	1902449
5.388		1483347	1341449
5.427		818310	739927
5.467		141385	141277
5.513		1294628	1185417
5.54		91299	51417
5.57		9388825	9236046
5.664		15653	18206
5.693		5657	3658
5.737		4730	3017
5.777		5344816	5568084
5.815		1389472	2670684
5.926		1823	1198
5.959		71668	97158
6.023		135362	96223
6.046		891370	777153
6.113		5794	5775
6.147		1610	1367
6.167		2407	1148
6.203		2486492	2411620
6.247		143860	141579
6.314		2106	2802
6.4		507753	523440
6.481		3102	3227
6.542	DCB	413557	389376
6.566		37787	23979
6.62		14823	14431
6.687		2209	4722
6.751		31260	78445
6.809		8805	7745
6.849		10789	14081
6.889		2246	1576
6.947		2129	4439
7.006		3369	3642

RT A	Compound A	Height A	Area A
7.051		2536	2435
7.137		1964	2369
7.23		1367	2460
7.362		311	5118
7.404		1913	1315
7.497		1403	2776
7.595		1360	2143
7.685		9695	15723
7.736		1498	1565
7.807		1549	2235
7.925		75809	131493
8.038		2378	723
8.098		922	1774
8.187		1110	1262
8.267		1736	772
8.343		2163	1220
8.414		3577	6443
8.507		3153	7936
8.579		9184	19208

LANCASTER LABORATORIES

Sample Number: 8592782MSACF DF10 ADAMW62 MS 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 2:35:50 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.506		2040	1205
1.556		6924	10363
1.607		11051	19338
1.659		7391	6458
1.673		11321	8560
1.717		28679	43797
1.766		2219	2745
1.847		56487	35344
1.876		169704	118445
1.922		15631	19369
2.032		11858	13283
2.08		11278	16396
2.13		3901	4283
2.156		6015	7627
2.202		1989	1151
2.229		7363	9541
2.268		6324	3538
2.282		118573	67659
2.311		2051	1355
2.335		2309	962
2.374		3503	4404
2.413		5340	5542
2.47		11592	13367
2.513		2450	1206
2.533	TCX	1207126	731122
2.578		31752	24991
2.622		8067	11800
2.669		1621	1216
2.705		99413	58945
2.731		1561	850
2.766		73094	43681
2.818		331677	205981
2.841		144561	66597
2.929		49682	31954
2.966		1441	701
3.026		498820	495057
3.077		61526	37330
3.098		25872	14259
3.123		54303	29312
3.147		518831	354203
3.184		48817	37003
3.231		141464	73480
3.246		81358	44293
3.273		2285	1142
3.296		194604	114529
3.304		565254	251831
3.325		17837	6894
3.338		496043	346554
3.411		589418	380426
3.447		772431	477694
3.47		653776	359781
3.487		243542	121196
3.54		3627	1698
3.572		702289	463397

3.594	311509	165268
3.614	328027	199316
3.642	163039	83034
3.659	814274	484529
3.698	227697	162441
3.744	87414	84526
3.767	452403	273514
3.789	3379997	2220364
3.813	1277512	736856
3.832	207597	105008
3.853	642314	400942
3.886	3843819	2550397
3.917	2500520	2496798
3.993	255613	201820
4.026	1418119	1042515
4.055	157823	104736
4.082	2591439	1892294
4.114	1533499	1282334
4.14	6442186	6456949
4.18	1376318	1383946
4.23	10320490	7792776
4.266	729178	531476
4.298	6031281	4119113
4.322	2094359	1454364
4.364	13282930	10399650
4.416	29211	18992
4.463	8962610	9394698
4.51	5886678	4758665
4.552	3135120	2710209
4.587	17932780	15228190
4.62	6102684	4260464
4.657	4427227	3435258
4.712	49721	27368
4.729	46886	29144
4.753	1112753	747388
4.771	494632	282599
4.803	7881853	5969233
4.825	2514432	1597890
4.874	4683390	4027635
4.909	2360121	1871993
4.941	1810360	1444634
4.971	1214958	748119
4.995	23796970	19845570
5.036	398337	290987
5.064	610338	508629
5.113	13614	8654
5.131	34125	22134
5.186	173957	108338
5.209	3995272	3278010
5.253	12729310	14987770
5.316	15506	12556
5.353	4707	3399
5.372	6203	3999
5.408	236136	207418
5.456	458857	353183
5.477	83556	53259
5.5	18837	9137
5.527	2420822	2064239
5.572	24907	22574
5.636	5877105	4988459
5.668	313160	236286
5.715	3565	2061
5.75	5278	4627
5.778	3429	5389
5.836	1129377	1023306
5.887	6519	4298
5.925	3542	3401

5.953		1832	1298
5.994	DCB	999000	910252
6.033		5123	3988
6.095		3453	3260
6.126		3004	2763
6.166		7595	4395
6.19		151763	132050
6.232		1764	791
6.263		14236	16781
6.321		1904	1577
6.365		1216	991
6.417		13571	13843
6.445		7243	8303
6.475		4547	4780
6.597		3275	6333
6.67		3414	3869
6.721		4116	6201
6.775		2579	2183
6.803		2535	1910
6.834		3314	3549
6.89		17613	19145
6.994		2776	3459
7.035		2465	2475
7.162		2585	3432
7.305		8482	24471
7.386		114054	141129
7.547		1656	1587
7.667		1787	2564
7.764		3256	6212
7.909		12466	20447
8.008		1841	2992
8.119		1344	2188
8.202		32656	57184
8.334		1674	2393
8.367		2202	4590
8.56		1762	4332

8592782MSACF DF10 ADAMW62 MS 162850022A 10225 SW-846 80

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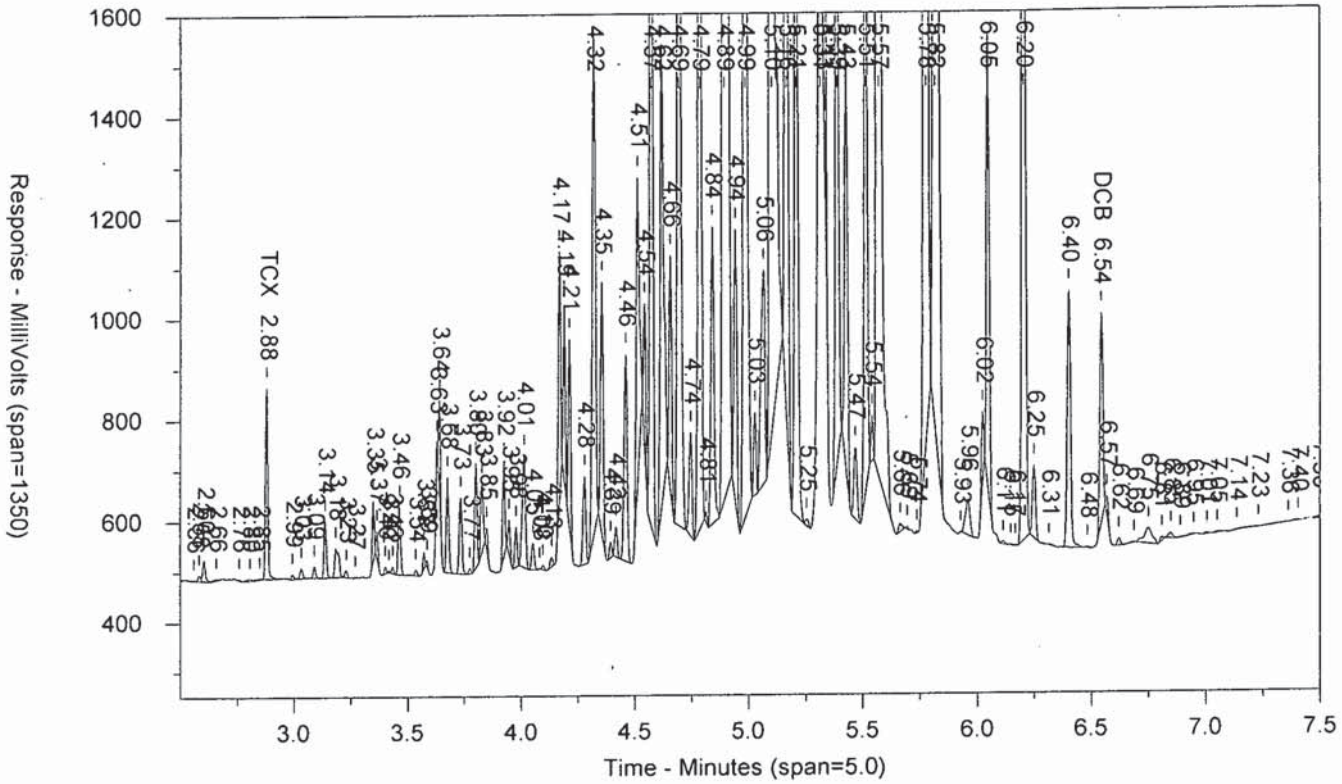

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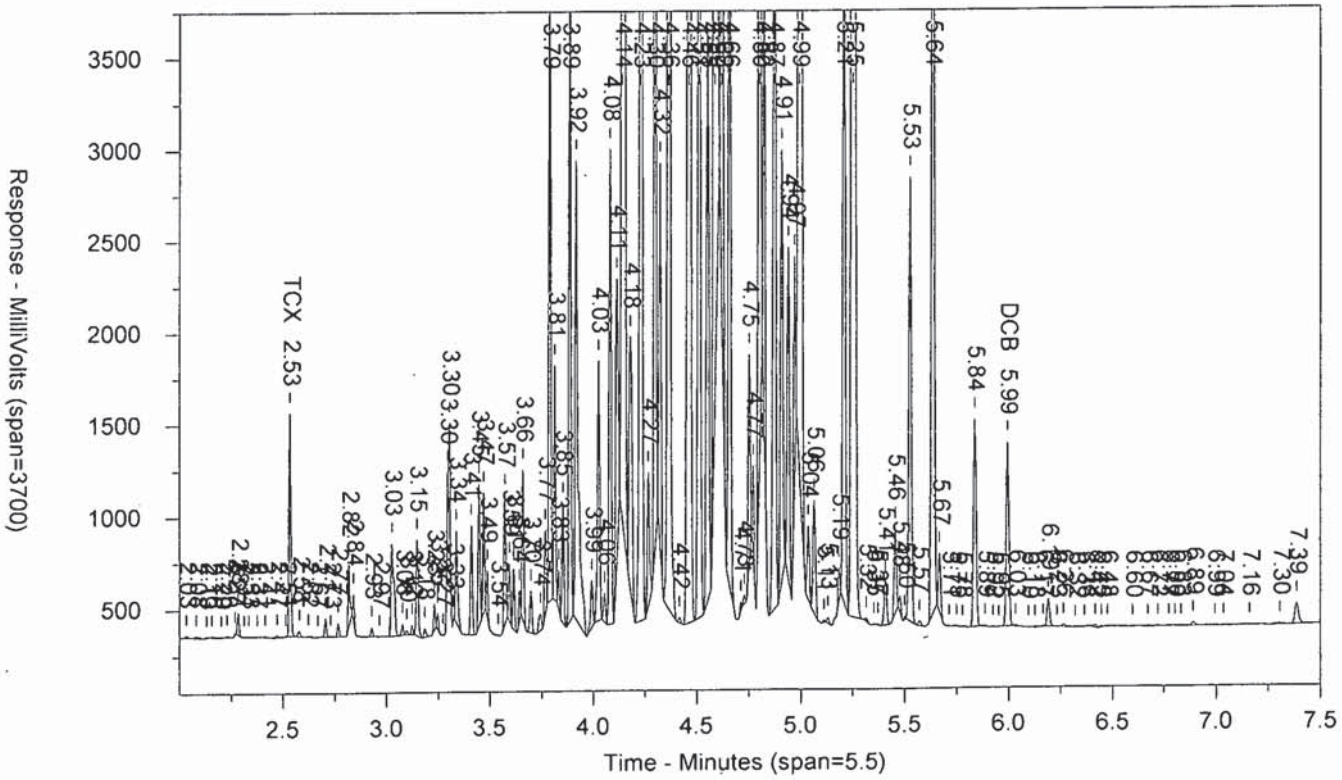

LANCASTER LABORATORIES

Sample Number: 8592782MSACF DF10 ADAMW62 MS 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 2:35:50 AM
Sample Weight: 10.05
Dilution Factor: 100
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.879	378413	28.667	TCX	2.533	1207126	29.151	TCX
6.542	413557	32.744	DCB	5.994	999000	37.016	DCB

Files:
Area File: 07pcbs16283008.0022.RAW
Area File: 07pcbs16283008B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2016 2:44:31 AM
File Reported On: 10/19/2016 at 2:44:40 AM

8592782MSACF DF10 ADAMW62 MS 162850022A 10225 SW-846 80

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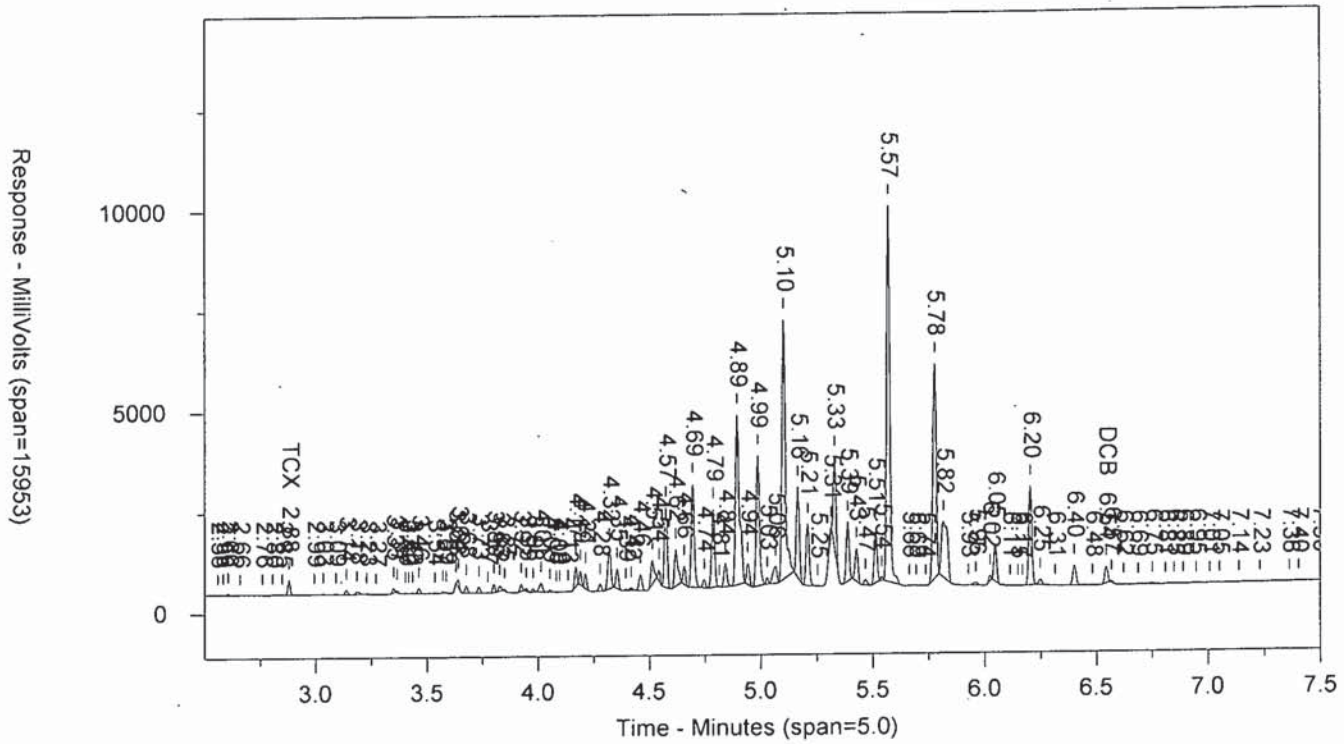

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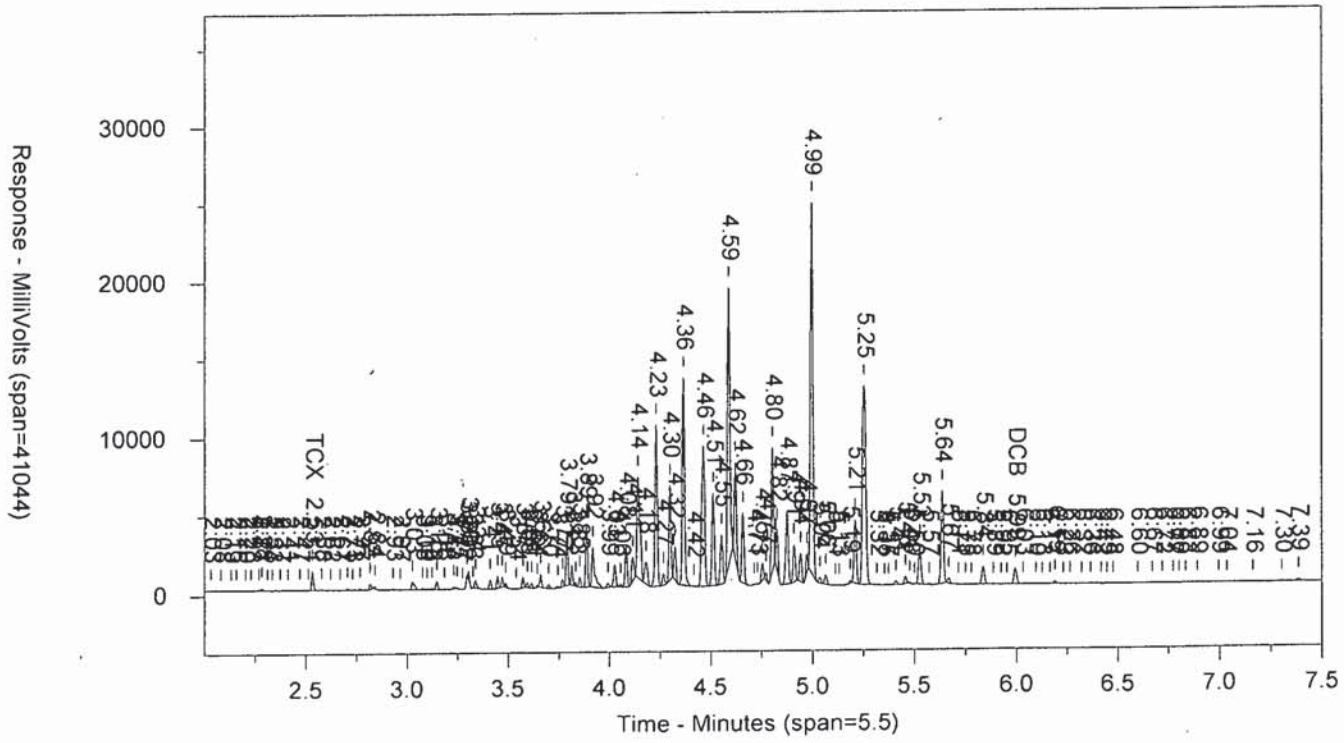

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Data Summary

Sample Name: 8592783 MSDACF DF10 AMW62 MSD Sample ID: AD **Batchnumber: 162850022A**
Sample Amount: 10.09 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Oct 19, 2016 02:58:43
Instrument	19843A
Result file	07PCBS16283008.0024.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

%SSR(TCX) 106% (46 - 148) Conc: 30.79148
%SSR(DCB) 126% (49 - 139) Conc: 36.49189

Analysis Report (B)

Injected on	Oct 19, 2016 02:58:43
Instrument	19843B
Result file	07PCBS16283008B.0024.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

%SSR(TCX) 105% (46 - 148) Conc: 30.55096
%SSR(DCB) 131% (49 - 139) Conc: 38.03142

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.85	2.88	2.91	408080	30.79148
Decachlorobiphenyl	6.52	6.54	6.58	462723	36.49189

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	1270130	30.55096
Decachlorobiphenyl	5.97	6.00	6.03	1030483	38.03142

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	30.79148				0.78	
☐ Decachlorobiphenyl	B	38.03142				4.13	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**15.68**	
3.12	3.14	3.16	118336.9	541.318343			1
3.33	3.35	3.37	122834.3	579.51923			2
3.45	3.46	3.49	143456.2	554.65652			3
3.66	3.68	3.70	177895.4	575.107055			4
3.72	3.73	3.76	149731.1	614.292402			5
3.91	3.92	3.95	144401.9	799.577677			6
Height summation:			**856655.8**				
Concentration		CF:	**610.745205**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**25.42**	
2.80	2.82	2.84	360059.3	523.49615			1
3.13	3.15	3.17	510551.8	615.454813			2
3.32	3.34	3.36	507764.9	603.634318			3
3.39	3.41	3.43	551631.8	621.503903			4
3.55	3.57	3.59	594460.4	836.171054			5
3.64	3.66	3.68	603670.3	992.329884			6
Height summation:			**3128138.5**				
Concentration		CF:	**698.76502**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**24.39**	
4.68	4.69	4.72	1511846	3383.117534			1
4.97	4.99	5.01	1745401	6804.57916			2
5.15	5.16	5.19	1308025	4098.724463			3
5.31	5.33	5.35	1835657	4459.8787			4
5.55	5.57	5.59	5178654	5214.554273			5
5.76	5.78	5.80	3110010	5415.574116			6
Height summation:			**14689593**				
Concentration		CF:	**4896.071374**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.23**	
4.21	4.23	4.25	5944525	3852.951636			1
4.35	4.36	4.39	7940576	4644.902252			2
4.45	4.46	4.48	5297676	3978.510838			3
4.79	4.80	4.82	4715233	4207.994464			4
4.98	5.00	5.02	13709040	5326.064116			5
5.24	5.25	5.28	7856577	5049.81096			6
Height summation:			**45463627**				
Concentration		CF:	**4510.039044**	L:			

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	698.76502	505.4509	98.1169		13.44	4	
☐ PCB-1221			<505.4509	<151.6353			3	
☐ PCB-1232			<505.4509	<121.9029			4	
☐ PCB-1242			<505.4509	<121.9029			4	
☐ PCB-1248			<505.4509	<98.1169			4	
☐ PCB-1254			<505.4509	<130.8226			4	
☐ PCB-1260	A	4896.071374	505.4509	115.9564		8.21	4	
☐ PCB-1262			<505.4509	<98.1169			4	
☐ PCB-1268			<505.4509	<98.1169			4	
☐ Total PCBs	A	5594.836395	505.4509	98.1169				

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Data Summary

Sample Name: 8592783 MSDACF DF10 AMW62 MSD Sample ID: AD **Batchnumber: 162850022A**
Sample Amount: 10.09 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analysis: 10225

Analysis Report (A)

Injected on	Oct 19, 2016 02:58:43
Instrument	19843A
Result file	07PCBS16283008.0024.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 19, 2016 02:58:43
Instrument	19843B
Result file	07PCBS16283008B.0024.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

Units: ug/kg

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

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

Verified by: Valerie L. Tomayko, Principal Specialist
Date: OCT 21 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592783** MSDACF DF10 AMW62 Sample ID: AD **Batchnumber: 162850022A**
Sample Amount: 10.09 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 19, 2016 02:58:43
Instrument : CP 7--19843A
Result file : 07PCBS16283008.0024.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 106% (46-148) Conc.: 30.79148
%SSR(DCB) : 126% (49-139) Conc.: 36.49189

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**15.68**	
3.12	3.14	3.16	118336.9	541.318343			1
3.33	3.35	3.37	122834.3	579.51923			2
+ 3.33	3.37	3.37	54664.11	257.899487			2
3.45	3.46	3.49	143456.2	554.65652			3
3.66	3.68	3.70	177895.4	575.107055			4
3.72	3.73	3.76	149731.1	614.292402			5
3.91	3.92	3.95	144401.9	799.577677			6
Height Summation:			**856655.8**				
Amount Avg CF:			**610.745205**	Linear:			
Aroclor-1221					**3**	**34.97**	
3.02	3.03	3.06	21708.56	180.866089			1
3.07	3.09	3.11	25746.56	273.548824			2
3.12	3.14	3.16	118336.9	373.952949			3
Height Summation:			**165792.02**				
Amount Avg CF:			**276.122621**	Linear:			
Aroclor-1232					**6**	**39.96**	
3.12	3.14	3.16	118336.9	448.695469			1
3.33	3.35	3.37	122834.3	1217.441306			2
+ 3.33	3.37	3.37	54664.11	541.789594			2
3.45	3.46	3.49	143456.2	1133.125139			3
3.66	3.68	3.70	177895.4	1141.085968			4
3.72	3.73	3.76	149731.1	1398.183815			5
3.91	3.92	3.95	144401.9	1954.413393			6
Height Summation:			**856655.8**				
Amount Avg CF:			**1215.490848**	Linear:			
Aroclor-1242					**6**	**19.32**	
3.12	3.14	3.16	118336.9	661.983883			1
3.33	3.35	3.37	122834.3	734.256656			2
+ 3.33	3.37	3.37	54664.11	326.761227			2
3.45	3.46	3.49	143456.2	712.823715			3
3.66	3.68	3.70	177895.4	688.287475			4
3.72	3.73	3.76	149731.1	837.668796			5
3.91	3.92	3.95	144401.9	1067.066375			6
Height Summation:			**856655.8**				
Amount Avg CF:			**783.68115**	Linear:			
Aroclor-1248					**6**	**127.41**	
3.72	3.73	3.76	149731.1	1129.871012			1
3.78	3.80	3.82	155301.2	679.774576			2
3.91	3.92	3.95	144401.9	563.057581			3
3.99	4.01	4.03	168245.9	793.306423			4
4.17	4.19	4.21	197824.2	867.160043			5
4.56	4.57	4.60	1071140	6008.938828			6
Height Summation:			**1886644.3**				
Amount Avg CF:			**1673.684744**	Linear:			
Aroclor-1254					**6**	**82.97**	
4.15	4.17	4.19	305289.9	1133.59512			1
+ 4.15	4.19	4.19	197824.2	734.556066			1
4.50	4.51	4.53	330025.6	1193.509704			2
4.56	4.57	4.60	1071140	1855.304591			3
4.68	4.69	4.72	1511846	8196.321201			4
4.77	4.79	4.81	1053606	2660.673264			5
4.97	4.99	5.01	1745401	5444.149975			6
Height Summation:			**6017308.5**				
Amount Avg CF:			**3413.925643**	Linear:			

Analysis Report (B)

Injected on : Oct 19, 2016 02:58:43
Instrument : CP 7--19843B
Result file : 07PCBS16283008B.0024.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 105% (46-148) Conc.: 30.55096
%SSR(DCB) : 131% (49-139) Conc.: 38.03142

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**25.42**	
2.80	2.82	2.84	360059.3	523.49615			1
3.13	3.15	3.17	510551.8	615.454813			2
+ 3.32	3.33	3.36	11931.48	14.184223			3
3.32	3.34	3.36	507764.9	603.634318			3
3.39	3.41	3.43	551631.8	621.503903			4
3.55	3.57	3.59	594460.4	836.171054			5
+ 3.64	3.64	3.68	154932.5	254.682315			6
3.64	3.66	3.68	603670.3	992.329884			6
Height Summation:			**3128138.5**				
Amount Avg CF:			**698.76502**	Linear:			
Aroclor-1221					**3**	**24.51**	
2.69	2.71	2.73	90867.16	217.129283			1
2.75	2.77	2.79	74545.77	306.496559			2
2.80	2.82	2.84	360059.3	360.060491			3
Height Summation:			**525472.23**				
Amount Avg CF:			**294.562111**	Linear:			
Aroclor-1232					**6**	**45.10**	
2.80	2.82	2.84	360059.3	436.851042			1
3.13	3.15	3.17	510551.8	1196.360824			2
+ 3.32	3.33	3.36	11931.48	26.997348			3
3.32	3.34	3.36	507764.9	1148.919148			3
3.39	3.41	3.43	551631.8	1385.105166			4
E 3.55	3.57	3.59	594460.4	2008.177048			5
+ 3.64	3.64	3.68	154932.5	550.324872			6
E 3.64	3.66	3.68	603670.3	2144.254953			6
Height Summation:			**3128138.5**				
Amount Avg CF:			**1386.611363**	Linear:			
Aroclor-1242					**6**	**28.65**	
2.80	2.82	2.84	360059.3	624.301596			1
3.13	3.15	3.17	510551.8	766.085897			2
+ 3.32	3.33	3.36	11931.48	17.30484			3
3.32	3.34	3.36	507764.9	736.437573			3
3.39	3.41	3.43	551631.8	823.127484			4
+ 3.58	3.59	3.62	243439.3	1150.766074			5
3.58	3.61	3.62	250734	1185.248975			5
+ 3.64	3.64	3.68	154932.5	320.894751			6
3.64	3.66	3.68	603670.3	1250.316303			6
Height Summation:			**2784412.1**				
Amount Avg CF:			**897.586305**	Linear:			
Aroclor-1248					**6**	**111.12**	
3.43	3.45	3.47	582644.4	701.504092			1
3.55	3.57	3.59	594460.4	610.846725			2
+ 3.64	3.64	3.68	154932.5	215.482181			3
3.64	3.66	3.68	603670.3	839.592678			3
3.77	3.79	3.81	2089039	1568.331964			4
4.12	4.14	4.16	3660229	5759.004838			5
4.28	4.30	4.32	3142150	8472.521537			6
Height Summation:			**10672193.1**				
Amount Avg CF:			**2991.966972**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8592783** MSDACF DF10 AMW62 Sample ID: AD **Batchnumber: 162850022A**
Sample Amount: 10.09 g Total Volume: 100 ml Analyst: 2855 SDG: ATD81 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 19, 2016 02:58:43
Instrument : CP 7--19843A
Result file : 07PCBS16283008.0024.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	24.39	
4.68	4.69	4.72	1511846	3383.117534			1
4.97	4.99	5.01	1745401	6804.57916			2
5.15	5.16	5.19	1308025	4098.724463			3
5.31	5.33	5.35	1835657	4459.8787			4
5.55	5.57	5.59	5178654	5214.554273			5
5.76	5.78	5.80	3110010	5415.574116			6
Height Summation:			**14689593**				
Amount Avg CF:			**4896.071374**	Linear:			
Aroclor-1262					6	28.86	
E 5.15	5.16	5.19	1308025	2102.042164			1
E 5.31	5.33	5.35	1835657	3174.034284			2
E 5.55	5.57	5.59	5178654	3688.512484			3
E 5.76	5.78	5.80	3110010	3797.21255			4
5.81	5.82	5.85	780152.9	1816.517116			5
E 6.18	6.20	6.22	1405710	2580.522981			6
Height Summation:			**13618208.9**				
Amount Avg CF:			**2859.80693**	Linear:			
Aroclor-1268					6	177.06	
E 5.75	5.78	5.79	3110010	114130.656465			1
E 5.81	5.82	5.85	780152.9	324666.870723			2
5.94	5.96	5.98	45091.26	477.704942			3
6.01	6.02	6.05	75441.7	1372.785844			4
E 6.18	6.20	6.22	1405710	2651.856655			5
6.38	6.40	6.42	305121.5	226.75517			6
Height Summation:			**5721527.36**				
Amount Avg CF:			**73921.104967**	Linear:			

Analysis Report (B)

Injected on : Oct 19, 2016 02:58:43
Instrument : CP 7--19843B
Result file : 07PCBS16283008B.0024.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	81.27	
4.06	4.08	4.10	1441175	1305.638742			1
4.12	4.14	4.16	3660229	1885.330101			2
4.21	4.23	4.25	5944525	6219.102099			3
4.28	4.30	4.32	3142150	2718.156567			4
E 4.35	4.36	4.39	7940576	11104.393262			5
4.49	4.51	4.53	3124628	3837.350845			6
Height Summation:			**25253283**				
Amount Avg CF:			**4511.661936**	Linear:			
Aroclor-1260					6	13.23	
4.21	4.23	4.25	5944525	3852.951636			1
4.35	4.36	4.39	7940576	4644.902252			2
4.45	4.46	4.48	5297676	3978.510838			3
4.79	4.80	4.82	4715233	4207.994464			4
+ 4.79	4.82	4.82	1360868	1214.473391			4
4.98	5.00	5.02	13709040	5326.064116			5
5.24	5.25	5.28	7856577	5049.81096			6
Height Summation:			**45463627**				
Amount Avg CF:			**4510.039044**	Linear:			
Aroclor-1262					6	32.49	
4.60	4.62	4.64	3522980	1802.865742			1
E 4.78	4.80	4.82	4715233	2366.900105			2
E 4.98	5.00	5.02	13709040	3576.361735			3
5.19	5.21	5.23	2274274	1588.967759			4
E 5.24	5.25	5.28	7856577	3524.303971			5
E 5.62	5.64	5.66	3467099	2630.152641			6
Height Summation:			**35545203**				
Amount Avg CF:			**2581.591992**	Linear:			
Aroclor-1268					6	126.23	
5.19	5.21	5.23	2274274	604.053641			1
E 5.24	5.25	5.28	7856577	2013.959345			2
5.39	5.41	5.43	153778.4	47.000443			3
5.46	5.48	5.50	59694.87	70.47918			4
E 5.62	5.64	5.66	3467099	2717.517724			5
5.82	5.84	5.86	699925.4	65.909243			6
Height Summation:			**14511348.67**				
Amount Avg CF:			**919.819929**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			505.451	98.117		13.44	4	40	
Aroclor-1221			505.451	151.6353		6.46	3	40	
Aroclor-1232			505.451	121.9029		13.15	4	40	
Aroclor-1242			505.451	121.9029		13.55	4	40	
Aroclor-1248			505.451	98.117		** 56.51	4	40	
Aroclor-1254			505.451	130.8226		27.70	4	40	
Aroclor-1260			505.451	115.9564		8.21	4	40	
Aroclor-1262			505.451	98.117	E	10.23	4	40	
Aroclor-1268			505.451	98.117	E	** 195.08	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8592783MSDACF DF10 ADAMW62 MSD 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 2:58:43 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.528		17753	25029
1.634		11836	10543
1.686		1842	1019
1.737		1398	788
1.831		1711	1216
1.944		7828	11492
1.998		12593	21823
2.053		18027	46147
2.104		8510	20273
2.155		40473	46914
2.269		23286	20903
2.34		8408	16392
2.411		2239	6995
2.525		3526	5259
2.584		7427	6244
2.604		23965	20315
2.689		2420	9008
2.713		1722	1084
2.743		27355	25336
2.785		1957	1388
2.81		2925	2651
2.85		1654	2338
2.879	TCX	408080	281471
2.995		5304	4386
3.033		21709	18529
3.09		25747	19454
3.137		118337	85205
3.185		17160	9329
3.229		14218	9500
3.349		122834	74824
3.365		54664	29543
3.402		13666	8054
3.417		3624	1366
3.434		13213	8091
3.463		143456	105044
3.536		9918	7044
3.572		33686	19066
3.587		15466	6985
3.631		45679	32496
3.64		150541	81850
3.676		177895	141196
3.734		149731	120236
3.775		9792	6174
3.801		155301	115338
3.827		104869	86151
3.849		36776	19255
3.923		144402	105462
3.947		52960	34817
3.977		62298	44576
4.013		168246	171161
4.051		44390	35953
4.097		7123	5125
4.134		14002	12160

RT A	Compound A	Height A	Area A
4.169		305290	225920
4.189		197824	122480
4.213		216819	158306
4.279		103007	87503
4.321		601856	577706
4.355		274177	218328
4.395		16378	12125
4.418		33636	24932
4.46		235507	217939
4.513		330026	329428
4.543		137616	87759
4.573		1071140	952122
4.618		525357	599766
4.656		254941	201200
4.694		1511846	1450628
4.745		110034	100748
4.786		1053606	1030791
4.814		13790	6547
4.841		345041	330768
4.893		2380744	2951767
4.942		319057	289561
4.986		1745401	1807075
5.028		94474	66995
5.065		252703	310296
5.102		3365701	3240704
5.125		84513	44002
5.165		1308025	1200246
5.208		896247	888744
5.254		7965	7443
5.329		1835657	2778771
5.387		837463	785154
5.428		470628	437818
5.468		81819	83265
5.513		754545	678946
5.54		52662	28789
5.569		5178654	5238368
5.661		8452	9144
5.694		4988	3414
5.712		2589	985
5.733		2678	1729
5.777		3110010	3162651
5.816		780153	1531391
5.959		45091	61948
6.024		75442	53332
6.048		492009	449744
6.113		3589	3297
6.203		1405711	1398353
6.248		88205	84551
6.399		305122	306602
6.476		2157	1809
6.543	DCB	462723	431611
6.619		8112	8077
6.716		1580	1167
6.749		17642	34970
6.807		5783	4907
6.845		7846	9718
6.965		3108	10548
7.001		4029	3737
7.083		1609	3987
7.201		1641	5571
7.29		807	2180
7.33		1867	2428
7.354		1577	823
7.411		1210	2296
7.505		1265	3166
7.609		679	3167

RT A	Compound A	Height A	Area A
7.683		13950	22726
7.737		1146	1122
7.832		4256	13522
7.925		82416	146740
8.107		1705	2446
8.213		1220	986
8.316		1239	414
8.403		1467	1257
8.492		1742	2396
8.585		9747	20833
8.645		2161	2211

LANCASTER LABORATORIES

Sample Number: 8592783MSDACF DF10 ADAMW62 MSD 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 2:58:43 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 2855
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283008B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.508		3134	2631
1.557		5590	5108
1.609		5236	4962
1.656		3865	2854
1.674		5217	3845
1.696		3452	2505
1.718		16643	20631
1.796		12134	36986
1.847		71811	59011
1.876		106825	82648
1.922		27458	80929
2.034		9989	9593
2.081		9061	13363
2.13		2887	2858
2.157		6697	7490
2.229		4907	6916
2.269		4334	2484
2.283		65386	36857
2.335		2554	1095
2.386		1066	2871
2.415		3813	4825
2.456		56168	28496
2.47		7865	3290
2.513		2940	1352
2.533	TCX	1270131	769358
2.579		32060	24785
2.625		4415	7638
2.706		90867	57836
2.767		74546	46571
2.819		360059	224834
2.841		84776	38531
2.929		50693	32943
2.99		1272	986
3.027		500335	494026
3.078		59860	36392
3.098		23880	13344
3.123		46484	25462
3.147		510552	342500
3.185		37852	28475
3.231		133403	69659
3.247		86341	52568
3.274		1699	636
3.296		186426	99927
3.305		564665	252568
3.326		11931	5455
3.338		507765	349406
3.411		551632	363030
3.448		582644	362884
3.47		525882	300902
3.488		189416	93981
3.541		2324	1043
3.572		594460	380545
3.594		243439	131310
3.615		250734	149726

3.643		154933	77606
3.66		603670	365427
3.698		190493	134514
3.745		59904	55679
3.768		303020	183171
3.79		2089039	1339306
3.814		724538	429269
3.833		113589	56291
3.853		375816	238205
3.887		2229948	1495626
3.917		1375980	1407027
3.993		147743	119414
4.027		785160	596474
4.055		81335	54654
4.082		1441175	1064407
4.115		813686	725166
4.141		3660229	3597783
4.18		848089	840869
4.23		5944525	4542253
4.267		389422	304293
4.298		3142150	2190256
4.323		1230350	869080
4.365		7940576	6038567
4.416		13546	8812
4.464		5297677	5467714
4.51		3124628	2561257
4.552		1843871	1592374
4.588		10269910	8499126
4.62		3522980	2476396
4.657		2533935	1984444
4.713		29279	16352
4.73		28981	17602
4.754		620957	429871
4.771		229455	139208
4.803		4715233	3486878
4.825		1360868	872453
4.875		2684977	2374170
4.91		1348072	1098418
4.941		1081322	846270
4.972		700740	426002
4.995		13709040	11353250
5.036		242603	175881
5.065		367230	307403
5.113		6871	4732
5.132		19789	12601
5.167		6838	4146
5.186		109295	67151
5.21		2274274	1931497
5.252		7856577	8944270
5.315		7463	5294
5.356		4651	7859
5.409		153778	130028
5.456		268798	208876
5.478		59695	36707
5.502		9749	5131
5.527		1369004	1235993
5.573		13080	11614
5.637		3467099	2923122
5.668		187561	143014
5.75		3107	2717
5.778		2060	2900
5.836		699925	627512
5.887		4185	2493
5.925		2866	3061
5.995	DCB	1030483	958776
6.094		2908	2756
6.133		1569	1040

6.166	3621	2453
6.19	83637	72889
6.265	9281	9077
6.324	1303	1013
6.361	1321	1001
6.417	8297	7682
6.444	3776	3559
6.477	3679	3439
6.559	1698	1486
6.593	2613	5975
6.672	1796	1214
6.719	3094	4600
6.776	1813	2002
6.801	2188	1811
6.832	2191	2409
6.891	24531	26775
6.999	1793	2576
7.116	1205	1876
7.276	1528	1046
7.3	4822	7244
7.386	117170	169943
7.609	875	705
7.77	1154	1390
7.821	1419	2251
7.911	7362	12085
8.008	2493	4817
8.202	22901	41372
8.366	1678	2148
8.515	761	827
8.644	957	996

8592783MSDACF DF10 ADAMW62 MSD 162850022A 10225 SW-846 8

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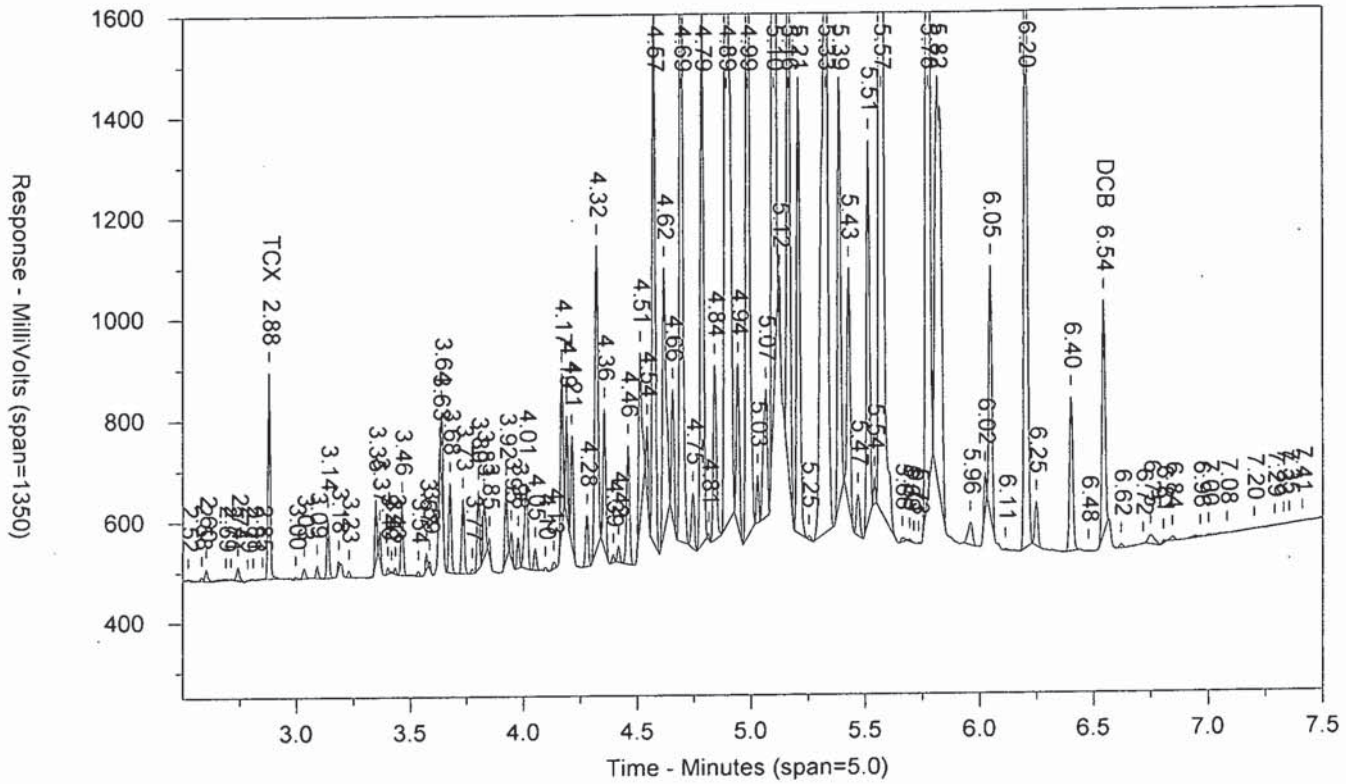

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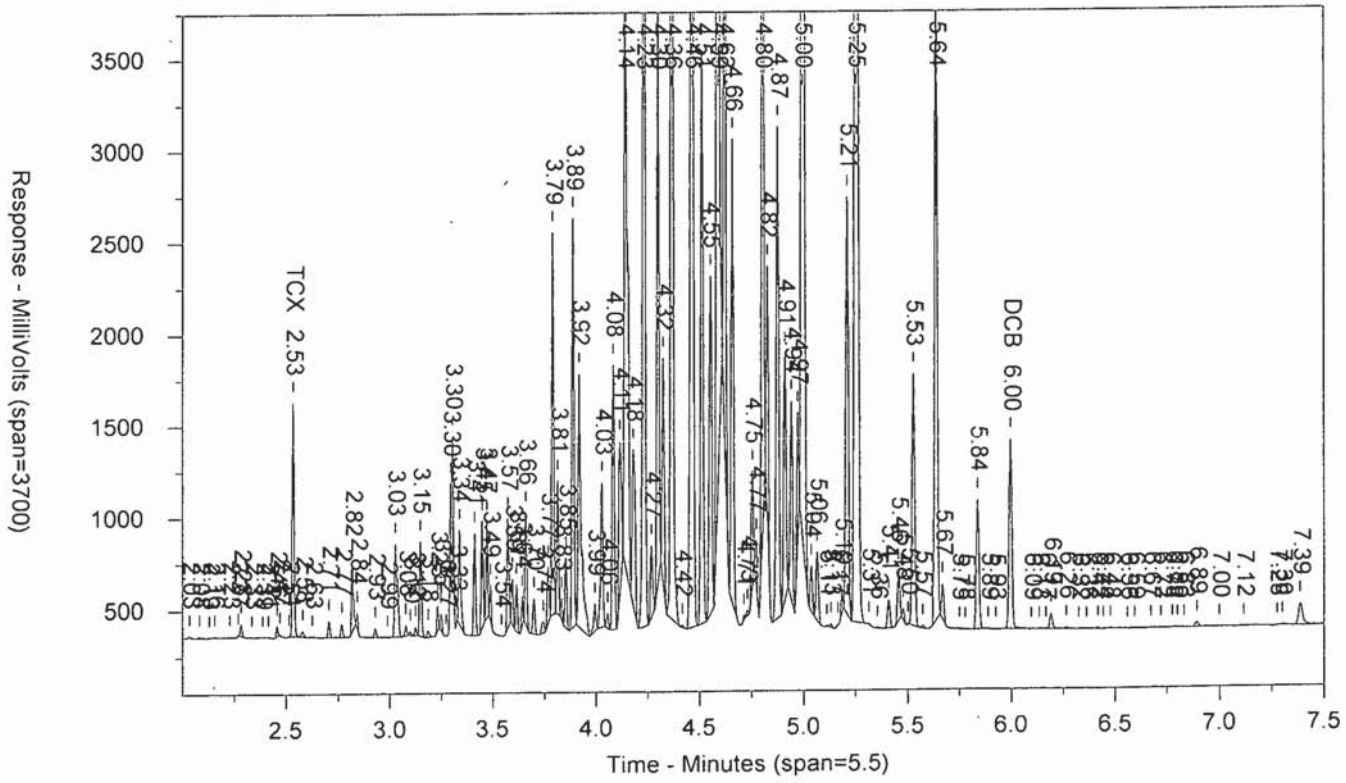

LANCASTER LABORATORIES

Sample Number: 8592783MSDACF DF10 ADAMW62 MSD 162850022A 10225 SW-846 8082
Injected On: 10/19/2016 2:58:43 AM
Sample Weight: 10.09
Dilution Factor: 100
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.879	408080	30.791	TCX	2.533	1270131	30.551	TCX
6.543	462723	36.492	DCB	5.995	1030483	38.031	DCB

Files:
Area File: 07pcbs16283008.0024.RAW
Area File: 07pcbs16283008B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2016 3:07:25 AM
File Reported On: 10/19/2016 at 3:07:36 AM

8592783MSDACF DF10 ADAMW62 MSD 162850022A 10225 SW-846 8

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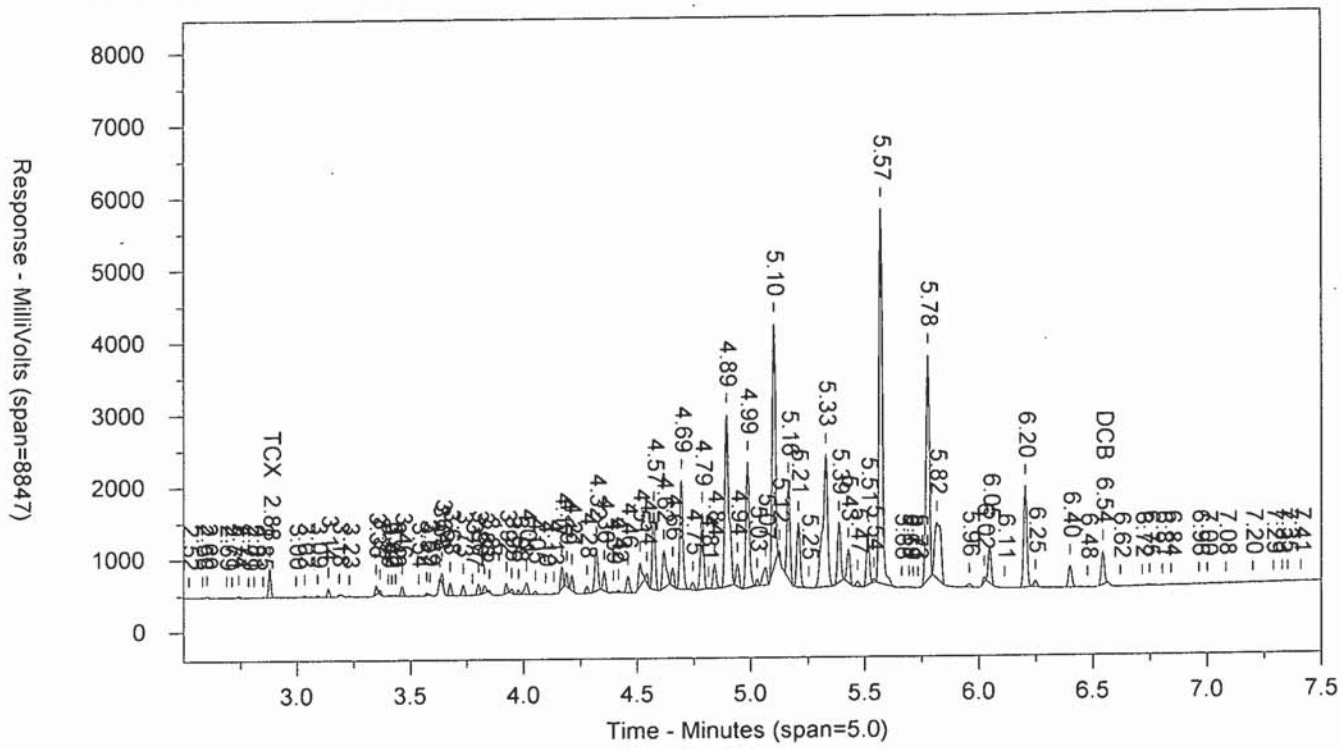

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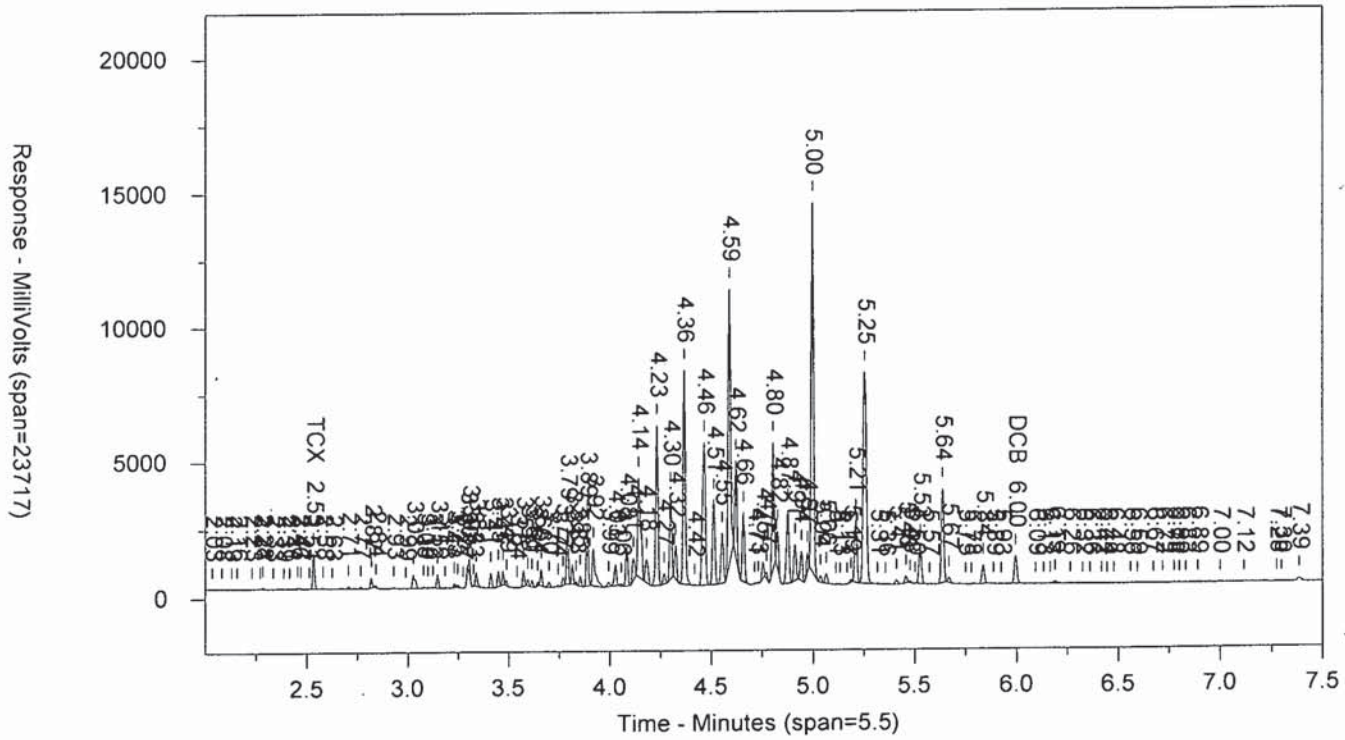

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Data Summary

Sample Name: LCSA 10/12/16 ACF LCS22285 LCS Sample ID: AB **Batchnumber: 162850022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analysis: 10225

Analysis Report (A)

Injected on	Oct 13, 2016 20:29:51
Instrument	19843A
Result file	07PCBS16283004.0047.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

%SSR(TCX) 113% (46 - 148) Conc: 32.95619
%SSR(DCB) 124% (49 - 139) Conc: 36.28841

Analysis Report (B)

Injected on	Oct 13, 2016 20:29:51
Instrument	19843B
Result file	07PCBS16283004B.0047.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

%SSR(TCX) 112% (46 - 148) Conc: 32.72183
%SSR(DCB) 117% (49 - 139) Conc: 34.21173

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.85	2.88	2.91	4328732	32.95619
Decachlorobiphenyl	6.52	6.54	6.58	4560389	36.28841

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.50	2.53	2.56	13482480	32.72183
Decachlorobiphenyl	5.97	5.99	6.03	9187181	34.21173

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	32.95619				0.71	
☐ Decachlorobiphenyl	A	36.28841				5.89	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.13**	
3.12	3.14	3.16	1057563	488.123785			1
3.33	3.35	3.37	1057013	503.175737			2
3.45	3.46	3.49	1248503	487.063468			3
3.66	3.68	3.70	1606225	523.939962			4
3.72	3.73	3.76	1339610	554.539742			5
3.91	3.92	3.95	999418.9	558.375658			6
Height summation:			**7308332.9**				
Concentration		CF:	**519.203059**	L:			
Aroclor-1260						**2.95**	
4.68	4.69	4.72	2458581	555.117883			1
4.97	4.99	5.01	1480486	582.373388			2
5.15	5.16	5.19	1750828	553.56335			3
5.31	5.33	5.35	2288778	561.082016			4
5.55	5.57	5.59	5764362	585.656151			5
5.76	5.77	5.80	3367082	591.5992			6
Height summation:			**17110117**				
Concentration		CF:	**571.565331**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**7.07**	
2.80	2.82	2.84	3176870	466.047378			1
3.13	3.15	3.17	4052256	492.883637			2
3.32	3.34	3.36	4477162	537.038253			3
3.39	3.41	3.43	4752706	540.289693			4
3.55	3.57	3.59	3799827	539.295989			5
3.64	3.66	3.68	3419250	567.124335			6
Height summation:			**23678071**				
Concentration		CF:	**523.779881**	L:			
Aroclor-1260						**4.50**	
4.21	4.23	4.25	8794817	575.167546			1
4.35	4.36	4.39	10281150	606.816574			2
4.45	4.46	4.48	7210576	546.381866			3
4.79	4.80	4.82	6062908	545.939033			4
4.98	4.99	5.02	14917640	584.777474			5
5.24	5.25	5.28	9247399	599.725496			6
Height summation:			**56514490**				
Concentration		CF:	**576.467998**	L:			

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	523.779881	51	9.9		0.88	4	
☐ PCB-1221			<51	<15.3			3	
☐ PCB-1232			<51	<12.3			4	
☐ PCB-1242			<51	<12.3			4	
☐ PCB-1248			<51	<9.9			4	
☐ PCB-1254			<51	<13.2			4	
☐ PCB-1260	B	576.467998	51	11.7		0.85	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	1100.247879	51	9.9				

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Data Summary

Sample Name: LCSA 10/12/16 ACF LCS22285 LCS Sample ID: AB **Batchnumber: 162850022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analysis: 10225

Analysis Report (A)

Injected on	Oct 13, 2016 20:29:51
Instrument	19843A
Result file	07PCBS16283004.0047.RAW
Calibration file	07PCBS1628301
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 13, 2016 20:29:51
Instrument	19843B
Result file	07PCBS16283004B.0047.RAW
Calibration file	07PCBS1628301B
Method file	07PCBSB

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist Date: OCT 19 2016

Verified by: Valerie L. Tomayko, Principal Specialist Date: OCT 19 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/12/16 ACF LCS22285 Sample ID: AB **Batchnumber: 162850022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 13, 2016 20:29:51
Instrument : CP 7--19843A
Result file : 07PCBS16283004.0047.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 113% (46-148) Conc.: 32.95619
%SSR(DCB) : 124% (49-139) Conc.: 36.28841

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.13	
3.12	3.14	3.16	1057563	488.123785			1
3.33	3.35	3.37	1057013	503.175737			2
+ 3.33	3.37	3.37	483223.9	230.031742			2
3.45	3.46	3.49	1248503	487.063468			3
3.66	3.68	3.70	1606225	523.939962			4
3.72	3.73	3.76	1339610	554.539742			5
3.91	3.92	3.95	999418.9	558.375658			6
Height Summation:			7308332.9				
Amount Avg CF:			519.203059	Linear:			
Aroclor-1221					3	40.55	
3.02	3.03	3.06	171119.6	143.852381			1
E 3.07	3.09	3.11	218923.7	234.692703			2
E 3.12	3.14	3.16	1057563	337.205142			3
Height Summation:			1447606.3				
Amount Avg CF:			238.583409	Linear:			
Aroclor-1232					6	32.75	
E 3.12	3.14	3.16	1057563	404.602824			1
E 3.33	3.35	3.37	1057013	1057.060568			2
E+ 3.33	3.37	3.37	483223.9	483.245646			2
E 3.45	3.46	3.49	1248503	995.037179			3
E 3.66	3.68	3.70	1606225	1039.56391			4
E 3.72	3.73	3.76	1339610	1262.181477			5
E 3.91	3.92	3.95	999418.9	1364.841586			6
Height Summation:			7308332.9				
Amount Avg CF:			1020.547924	Linear:			
Aroclor-1242					6	10.22	
E 3.12	3.14	3.16	1057563	596.9317			1
E 3.33	3.35	3.37	1057013	637.528687			2
E+ 3.33	3.37	3.37	483223.9	291.452516			2
E 3.45	3.46	3.49	1248503	625.955664			3
E 3.66	3.68	3.70	1606225	627.050756			4
E 3.72	3.73	3.76	1339610	756.188154			5
E 3.91	3.92	3.95	999418.9	745.173242			6
Height Summation:			7308332.9				
Amount Avg CF:			664.8047	Linear:			
Aroclor-1248					6	66.37	
E 3.72	3.73	3.76	1339610	1019.967652			1
3.78	3.80	3.82	864170.2	381.663438			2
3.91	3.92	3.95	999418.9	393.204634			3
3.99	4.01	4.03	949015.8	451.503468			4
4.17	4.19	4.21	222187.8	98.272321			5
4.56	4.57	4.60	697857.4	395.011191			6
Height Summation:			5072260.1				
Amount Avg CF:			456.603784	Linear:			

Analysis Report (B)

Injected on : Oct 13, 2016 20:29:51
Instrument : CP 7--19843B
Result file : 07PCBS16283004B.0047.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 112% (46-148) Conc.: 32.72183
%SSR(DCB) : 117% (49-139) Conc.: 34.21173

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	7.07	
2.80	2.82	2.84	3176870	466.047378			1
3.13	3.15	3.17	4052256	492.883637			2
+ 3.32	3.33	3.36	99371.69	11.919693			3
3.32	3.34	3.36	4477162	537.038253			3
3.39	3.41	3.43	4752706	540.289693			4
3.55	3.57	3.59	3799827	539.295989			5
+ 3.64	3.64	3.68	865733.8	143.592515			6
3.64	3.66	3.68	3419250	567.124335			6
Height Summation:			23678071				
Amount Avg CF:			523.779881	Linear:			
Aroclor-1221					3	37.98	
2.69	2.71	2.73	593568.9	143.111241			1
E 2.75	2.77	2.79	572816.8	237.634511			2
E 2.80	2.82	2.84	3176870	320.547243			3
Height Summation:			4343255.7				
Amount Avg CF:			233.764332	Linear:			
Aroclor-1232					6	32.77	
E 2.80	2.82	2.84	3176870	388.910754			1
E 3.13	3.15	3.17	4052256	958.099055			2
+ 3.32	3.33	3.36	99371.69	22.687186			3
E 3.32	3.34	3.36	4477162	1022.164435			3
E 3.39	3.41	3.43	4752706	1204.108359			4
E 3.55	3.57	3.59	3799827	1295.191723			5
E+ 3.64	3.64	3.68	865733.8	310.278835			6
E 3.64	3.66	3.68	3419250	1225.458573			6
Height Summation:			23678071				
Amount Avg CF:			1015.655483	Linear:			
Aroclor-1242					6	9.56	
E 2.80	2.82	2.84	3176870	555.790376			1
E 3.13	3.15	3.17	4052256	613.515721			2
+ 3.32	3.33	3.36	99371.69	14.542099			3
E 3.32	3.34	3.36	4477162	655.189965			3
E 3.39	3.41	3.43	4752706	715.566376			4
E 3.58	3.59	3.62	1437707	685.737521			5
E+ 3.58	3.61	3.62	1319555	629.38302			5
+ 3.64	3.64	3.68	865733.8	180.923768			6
E 3.64	3.66	3.68	3419250	714.565602			6
Height Summation:			21315951				
Amount Avg CF:			656.727593	Linear:			
Aroclor-1248					6	21.68	
3.43	3.45	3.47	3232304	392.672057			1
3.55	3.57	3.59	3799827	393.971051			2
+ 3.64	3.64	3.68	865733.8	121.491074			3
3.64	3.66	3.68	3419250	479.83382			3
3.77	3.79	3.81	4538210	343.769388			4
+ 4.12	4.14	4.16	1094900	173.822026			5
4.12	4.15	4.16	2470248	392.166876			5
4.28	4.30	4.32	861587.8	234.410184			6
Height Summation:			18321426.8				
Amount Avg CF:			372.803896	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/12/16 ACF LCS22285 Sample ID: AB **Batchnumber: 162850022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 13, 2016 20:29:51
Instrument : CP 7--19843A
Result file : 07PCBS16283004.0047.RAW
Calibration file : 07PCBS1628301.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	117.47	
4.15	4.17	4.19	974825.8	365.227703			1
+ 4.15	4.19	4.19	222187.8	83.24476			1
+ 4.50	4.51	4.53	76254.13	27.824852			2
4.50	4.53	4.53	203642.3	74.308327			2
4.56	4.57	4.60	697857.4	121.962645			3
E 4.68	4.69	4.72	2458581	1344.891044			4
4.77	4.78	4.81	390974.1	99.62136			5
4.97	4.99	5.01	1480486	465.94036			6
Height Summation:			6206366.6				
Amount Avg CF:			411.991907	Linear:			
Aroclor-1260					6	2.95	
4.68	4.69	4.72	2458581	555.117883			1
4.97	4.99	5.01	1480486	582.373388			2
5.15	5.16	5.19	1750828	553.56335			3
5.31	5.33	5.35	2288778	561.082016			4
5.55	5.57	5.59	5764362	585.656151			5
5.76	5.77	5.80	3367082	591.5992			6
Height Summation:			17110117				
Amount Avg CF:			571.565331	Linear:			
Aroclor-1262					6	42.71	
E 5.15	5.16	5.19	1750828	283.896493			1
E 5.31	5.33	5.35	2288778	399.314348			2
E 5.55	5.57	5.59	5764362	414.2636			3
E 5.76	5.77	5.80	3367082	414.808819			4
5.81	5.81	5.85	318189.3	74.754356			5
+ 5.81	5.83	5.85	303625	71.332667			5
E 6.18	6.20	6.22	1460765	270.572415			6
Height Summation:			14950004.3				
Amount Avg CF:			309.601672	Linear:			
Aroclor-1268					6	149.98	
E 5.75	5.77	5.79	3367082	12467.672597			1
E 5.81	5.81	5.85	318189.3	13360.877598			2
E+ 5.81	5.83	5.85	303625	12749.317657			2
5.94	5.96	5.98	79754.91	85.254234			3
6.01	6.02	6.05	100077.5	183.746443			4
E 6.18	6.20	6.22	1460765	278.051877			5
6.38	6.40	6.42	419289.1	31.440477			6
Height Summation:			5745157.81				
Amount Avg CF:			4401.173871	Linear:			

Analysis Report (B)

Injected on : Oct 13, 2016 20:29:51
Instrument : CP 7--19843B
Result file : 07PCBS16283004B.0047.RAW
Calibration file : 07PCBS1628301B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	125.42	
4.06	4.08	4.10	1030345	94.184653			1
+ 4.12	4.14	4.16	1094900	56.904258			2
4.12	4.15	4.16	2470248	128.383989			2
4.21	4.23	4.25	8794817	928.385828			3
4.28	4.30	4.32	861587.8	75.203536			4
E 4.35	4.36	4.39	10281150	1450.693579			5
4.49	4.51	4.53	965144.3	119.595986			6
Height Summation:			24403292.1				
Amount Avg CF:			466.074595	Linear:			
Aroclor-1260					6	4.50	
4.21	4.23	4.25	8794817	575.167546			1
4.35	4.36	4.39	10281150	606.816574			2
4.45	4.46	4.48	7210576	546.381866			3
4.79	4.80	4.82	6062908	545.939033			4
+ 4.79	4.82	4.82	683618.1	61.556897			4
4.98	4.99	5.02	14917640	584.777474			5
5.24	5.25	5.28	9247399	599.725496			6
Height Summation:			56514490				
Amount Avg CF:			576.467998	Linear:			
Aroclor-1262					6	29.00	
E 4.60	4.62	4.64	4718905	243.660768			1
E 4.78	4.80	4.82	6062908	307.07815			2
+ 4.78	4.82	4.82	683618.1	34.624339			2
E 4.98	4.99	5.02	14917640	392.668157			3
5.19	5.21	5.23	2679814	188.915728			4
E 5.24	5.25	5.28	9247399	418.553281			5
E 5.62	5.64	5.66	3564125	272.809069			6
Height Summation:			41190791				
Amount Avg CF:			303.947526	Linear:			
Aroclor-1268					6	118.28	
5.19	5.21	5.23	2679814	71.817211			1
E 5.24	5.25	5.28	9247399	239.181779			2
5.39	5.41	5.43	229597.2	7.080507			3
5.46	5.48	5.50	160907.1	19.168592			4
E 5.62	5.64	5.66	3564125	281.870896			5
5.82	5.84	5.86	923010	8.76985			6
Height Summation:			16804852.3				
Amount Avg CF:			104.648139	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		0.88	4	40	
Aroclor-1221			51	15.3	E	2.04	3	40	
Aroclor-1232			51	12.3	E	0.48	4	40	
Aroclor-1242			51	12.3	E	1.22	4	40	
Aroclor-1248			51	9.9	E	20.21	4	40	
Aroclor-1254			51	13.2	E	12.32	4	40	
Aroclor-1260			51	11.7		0.85	4	40	
Aroclor-1262			51	9.9	E	1.84	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/12/16 ACF LCS22285 Sample ID: AB **Batchnumber: 162850022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	: Oct 13, 2016 20:29:51
Instrument	: CP 7--19843A
Result file	: 07PCBS16283004.0047.RAW
Calibration file	: 07PCBS1628301.CAL
Method file	: 07PCBS.MET

Analysis Report (B) /

Injected on	: Oct 13, 2016 20:29:51
Instrument	: CP 7--19843B
Result file	: 07PCBS16283004B.0047.RAW
Calibration file	: 07PCBS1628301B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			51	9.9	E	** 190.71	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/12/16 ACFABLCS22285 LCS 162850022A 10225 SW-846 8082
Injected On: 10/13/2016 8:29:51 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004.0047.RAW
Method File: 07PCBS.MET
Calibration File: 07pcbs1628301.CAL

RT A	Compound A	Height A	Area A
1.549		3151	5842
1.625		4579	4132
1.721		1792	2942
1.807		1514	1972
1.954		2031	4104
2.053		4089	5918
2.089		9122	20729
2.176		18752	15263
2.243		2013	1458
2.27		22435	15858
2.287		9911	7738
2.347		20065	14030
2.374		2465	2681
2.42		3080	2340
2.475		3026	2594
2.523		12613	10552
2.575		1083	885
2.666		1898	1542
2.696		2393	3200
2.742		2400	3565
2.8		3972	6890
2.88	TCX	4328732	2918717
3.033		171120	172893
3.09		218924	163528
3.138		1057563	730224
3.19		2917	2279
3.209		4172	2247
3.229		122724	87154
3.266		7792	4217
3.296		5857	8397
3.349		1057013	625700
3.366		483224	249011
3.402		116138	69934
3.418		24970	9742
3.434		94002	55551
3.463		1248503	943312
3.497		6540	3248
3.535		46752	31372
3.571		254068	146069
3.585		123635	60524
3.63		566624	307664
3.64		1465768	757051
3.676		1606225	1188640
3.734		1339610	1019559
3.773		90961	64895
3.8		864170	636573
3.827		655195	536214
3.849		188209	103367
3.923		999419	695971
3.946		294506	194273
3.976		341920	250107
4.012		949016	978340
4.051		289178	240677

RT A	Compound A	Height A	Area A
4.096		41072	31967
4.136		49609	42432
4.169		974826	733213
4.189		222188	124026
4.212		261925	189296
4.279		148086	128853
4.322		1001900	958675
4.355		24483	16096
4.391		1796	1256
4.418		7407	5570
4.459		78824	75517
4.513		76254	57072
4.526		203642	140127
4.573		697857	634292
4.618		962105	1118438
4.655		219517	160620
4.694		2458581	2276376
4.742		8952	7343
4.784		390974	433906
4.814		19588	10795
4.84		452305	413714
4.892		3091640	3822317
4.942		505662	469021
4.985		1480486	1636528
5.027		16413	8992
5.065		275517	335401
5.101		3740484	3540017
5.124		116033	56555
5.164		1750828	1632469
5.208		1127012	1101545
5.33		2288778	3065081
5.388		1004091	975553
5.427		531420	492365
5.468		107841	107608
5.513		804208	777798
5.569		5764362	6015212
5.775		3367082	3427560
5.813		318189	284325
5.827		303625	238095
5.959		79755	83294
6.023		100078	69240
6.046		555789	476514
6.202		1460765	1464249
6.246		91713	95324
6.335		1718	1839
6.399		419289	417736
6.474		2133	2120
6.541	DCB	4560389	4805504
6.659		2259	1617
6.854		2315	8471
6.933		1646	1680
6.945		1456	592
6.988		1577	1282
7.026		1153	1009
7.061		1398	842
7.175		1656	2379
7.214		1471	616
7.23		2132	725
7.326		1467	1024
7.415		1781	2288
7.43		1763	929
7.464		1384	729
7.528		1458	1895
7.558		1546	969
7.594		1498	853
7.675		1238	1307

RT A	Compound A	Height A	Area A
7.723		941	673
7.767		1405	1841
7.819		1488	1151
7.903		1411	726
7.927		1564	641
7.978		5393	12136
8.061		1482	1831
8.084		2112	1706
8.115		954	973
8.158		1197	444
8.211		1270	1123
8.275		2426	2622
8.316		1357	1411
8.409		2448	2439
8.472		1771	1720
8.531		1385	1019
8.578		9547	23174

LANCASTER LABORATORIES

Sample Number: LCSA 10/12/16 ACFABLCS22285 LCS 162850022A 10225 SW-846 8082
Injected On: 10/13/2016 8:29:51 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs16283004B.0047.RAW
Method File: 07PCBSB.MET
Calibration File: 07pcbs1628301B.CAL

RT B	Compound B	Height B	Area A
1.653		2026	1599
1.685		3749	3692
1.797		17565	23071
1.849		111030	78076
1.913		3308	4615
1.96		5936	4687
1.976		28560	19895
2.038		62942	37076
2.062		2215	1137
2.084		12028	7410
2.101		5071	2786
2.134		5789	5023
2.157		2641	1881
2.197		7362	4362
2.22		31984	19182
2.248		4105	2346
2.285		2953	3030
2.31		1785	2179
2.356		5751	3425
2.384		5477	3488
2.491		10347	10807
2.534	TCX	13482480	8043510
2.579		260524	202627
2.613		2682	1328
2.628		3476	3278
2.655		4403	3103
2.706		593569	393684
2.767		572817	384760
2.818		3176871	1998611
2.867		20662	16322
2.895		4372	2369
2.929		399612	259341
2.958		3898	2381
2.99		6461	5716
3.026		3978745	3909207
3.078		455911	292073
3.098		198785	111397
3.123		326976	187546
3.147		4052256	2679906
3.184		127196	75606
3.231		1063304	535593
3.246		544800	261095
3.272		4252	1587
3.296		1615947	902934
3.304		4846122	2183247
3.325		99372	35424
3.338		4477162	2939485
3.411		4752706	3007330
3.448		3232304	2004124
3.47		3477377	1858051
3.487		1042096	509584
3.54		1782	795
3.572		3799827	2437047
3.593		1437707	758389

3.614		1319555	771490
3.642		865734	450130
3.659		3419250	2037711
3.698		1152548	816677
3.745		149432	122882
3.767		872651	517087
3.789		4538210	2959901
3.813		891050	519086
3.832		127978	61258
3.852		545369	344317
3.887		3791025	2565417
3.918		173499	89626
3.932		255738	157146
3.993		34622	28009
4.026		256511	202694
4.081		1030345	750172
4.121		1004577	609533
4.14		1094900	545541
4.153		2470248	1352736
4.179		1439133	1417846
4.229		8794817	6351425
4.278		92168	66015
4.297		861588	540823
4.322		1642933	1295978
4.364		10281150	7616399
4.463		7210577	7726834
4.513		965144	820449
4.552		2248225	1845420
4.587		10846270	8915814
4.619		4718905	3344939
4.657		3271339	2557448
4.725		7396	8779
4.752		984056	716954
4.771		154525	75587
4.802		6062908	4654125
4.824		683618	409150
4.874		3100372	2779119
4.909		1617312	1284305
4.94		1206686	958435
4.971		503723	320582
4.994		14917640	12466240
5.035		278898	203793
5.064		466470	386767
5.107		6432	4252
5.185		134761	87895
5.208		2679814	2262167
5.252		9247399	10285150
5.368		4285	3976
5.408		229597	204985
5.455		228131	165585
5.477		160907	110088
5.525		1488259	1370952
5.635		3564125	3002765
5.667		181285	142556
5.835		923010	829992
5.935		1325	2230
5.951		1869	1152
5.994	DCB	9187181	8413161
6.098		2099	3238
6.168		1841	1507
6.334		1479	1439
6.378		819	632
6.403		1224	667
6.463		1188	705
6.521		1976	1726
6.553		1261	1584
6.687		1152	1517

6.833	2260	2524
6.943	10945	14001
7.276	2787	4812
7.476	985	1222
7.539	832	355
7.669	868	4439
7.717	883	965
7.834	1003	1139
7.889	1144	763
8.011	1211	1645
8.059	1072	1425
8.248	1230	2789
8.338	754	1397

LCSA 10/12/16 ACFABLCS22285 LCS 162850022A 10225 SW-846 808:

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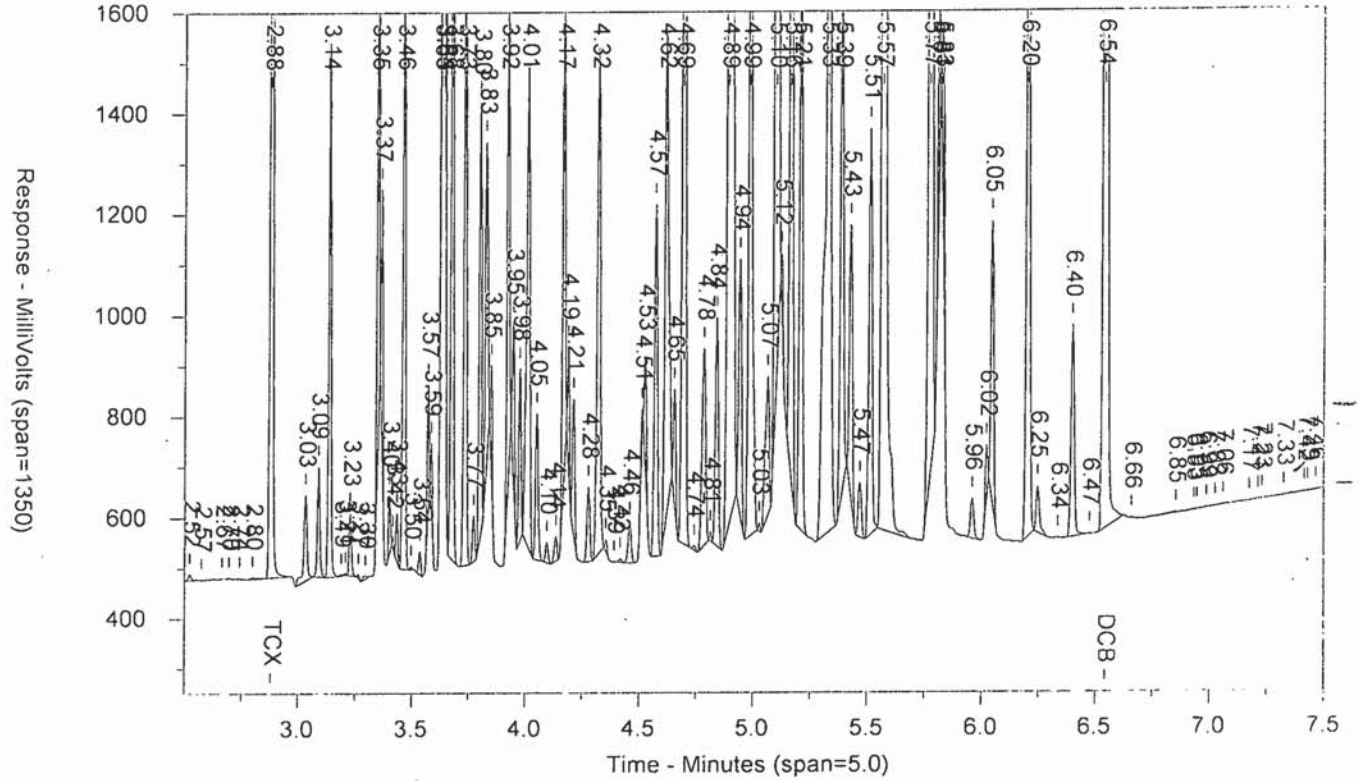

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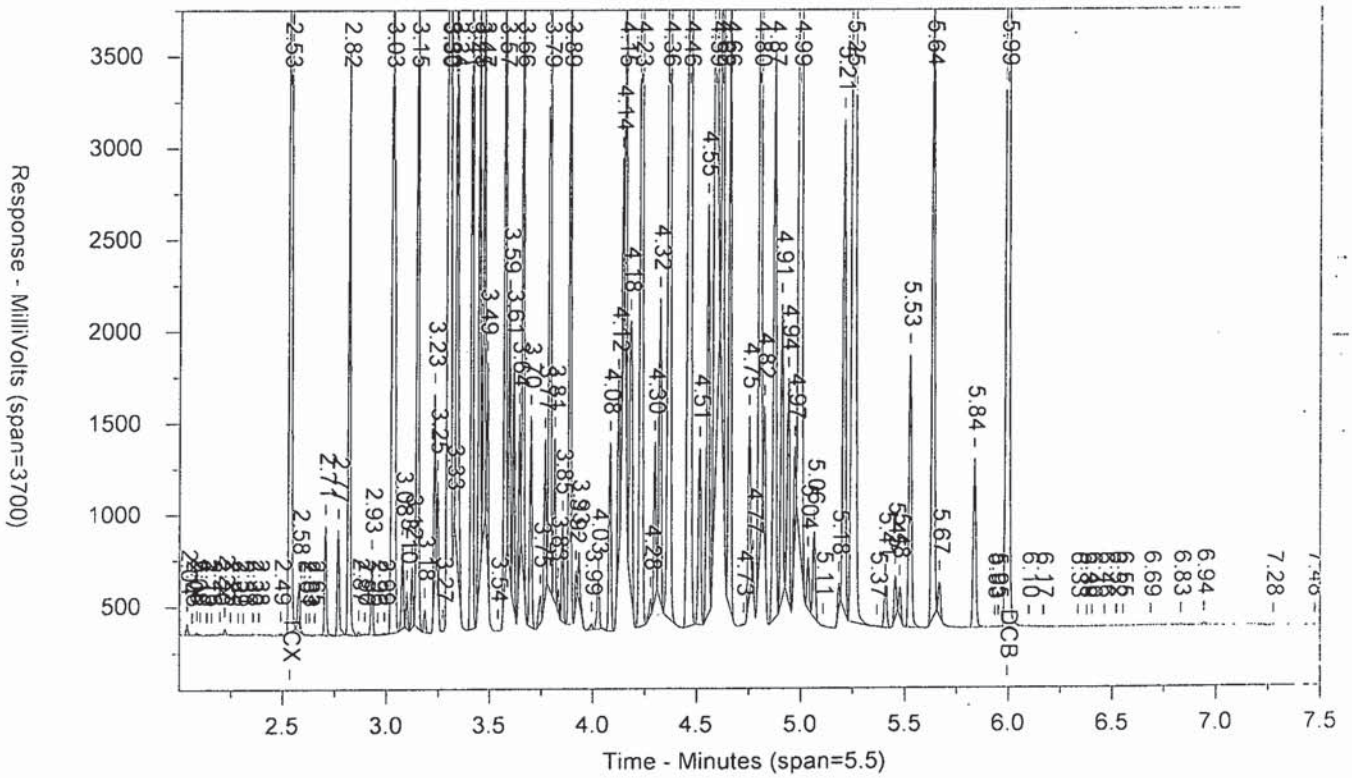

LANCASTER LABORATORIES

Sample Number: LCSA 10/12/16 ACFABLCS22285 LCS 162850022A 10225 SW-846 8082
Injected On: 10/13/2016 8:29:51 PM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10
Dilution Factor: 10

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.88	4328732	32.956	TCX	2.534	13482480	32.722	TCX
6.541	4560389	36.288	DCB	5.994	9187181	34.212	DCB

Files:
Area File: 07pcbs16283004.0047.RAW
Area File: 07pcbs16283004B.0047.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07pcbs1628301.CAL
Calibration File B: 07pcbs1628301B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/13/2016 8:38:35 PM
File Reported On: 10/13/2016 at 8:38:41 PM

LCSA 10/12/16 ACFABLCS22285 LCS 162850022A 10225 SW-846 808:

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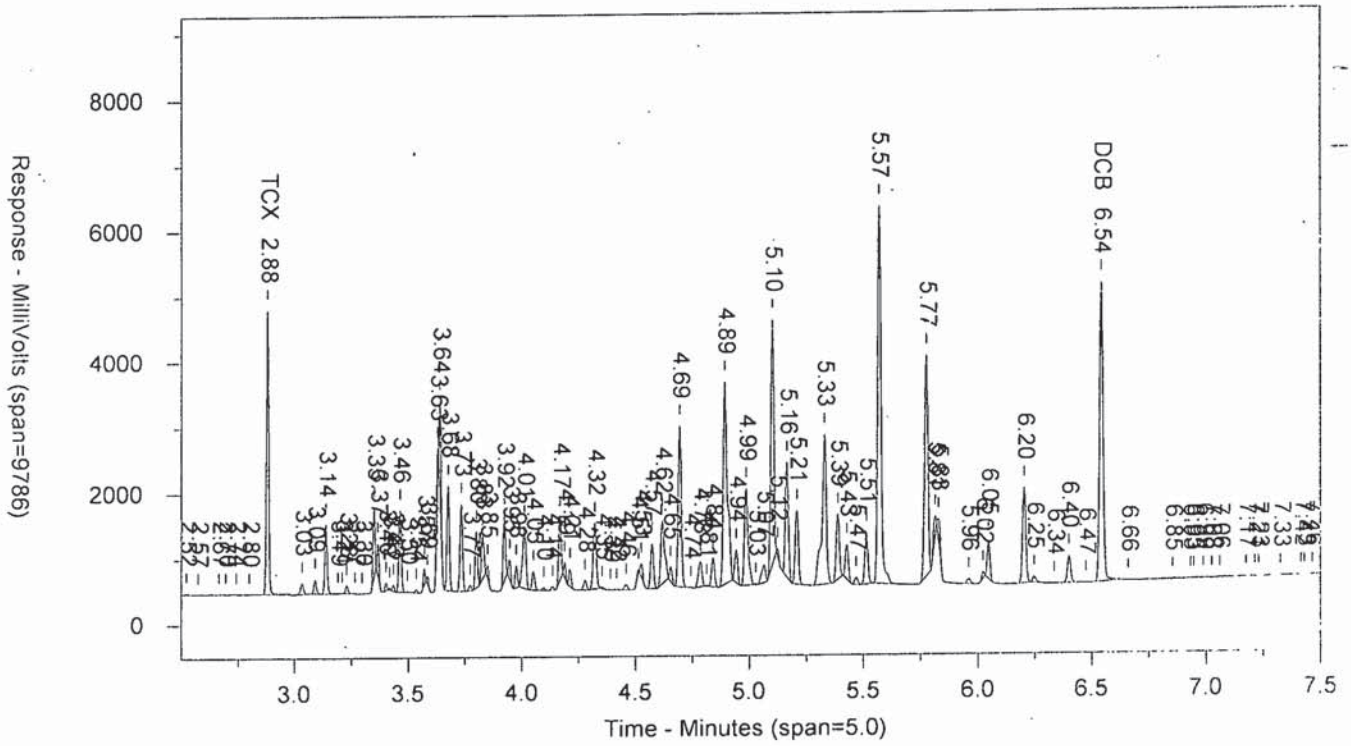

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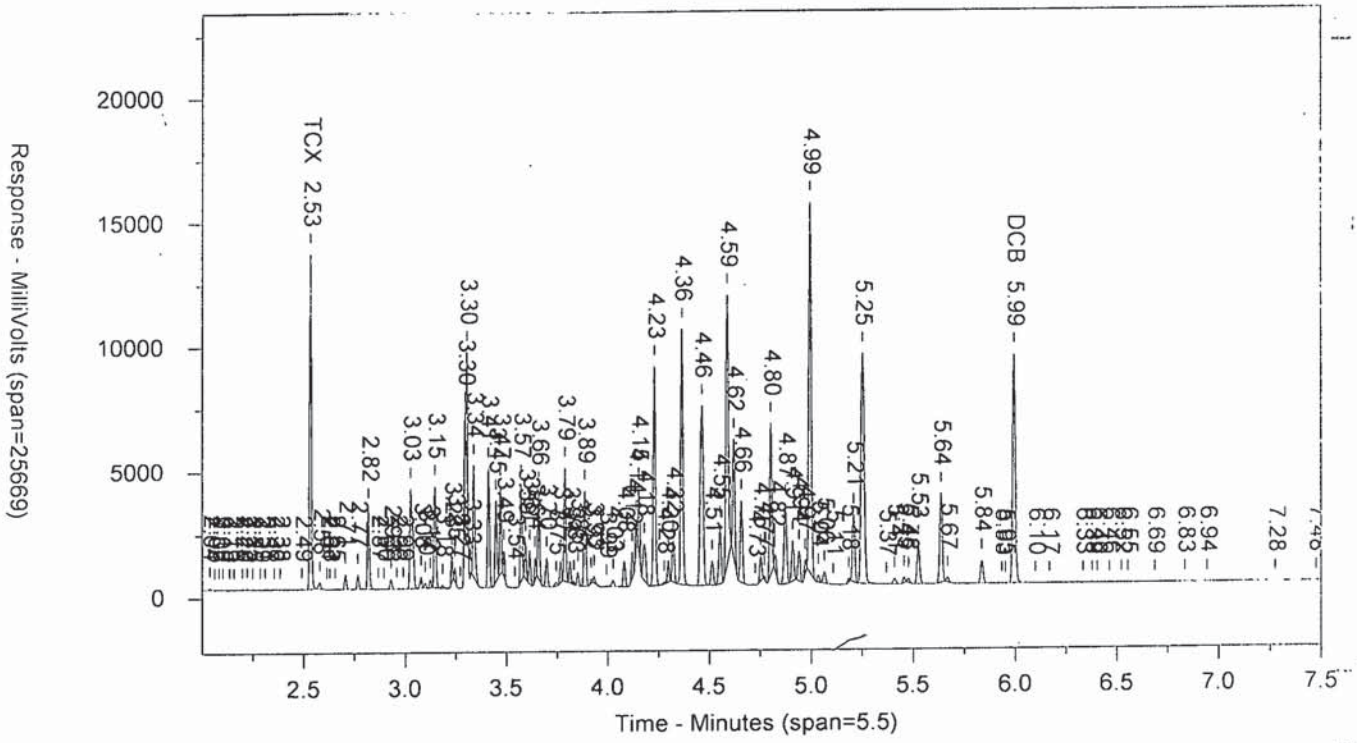

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 277 Denise Trimby Reviewed by: KBT 9065 Start Date: 10/12/16 Start time: 0035

162850022A

Tech 1: DT 277 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
1 8592782MS	AMW62	10.05	SS1627224A	1	MS1627724A	1	10	Z	Z	314A	brown gritty soil
1 8592783MSD	AMW62	10.09	SS1627224A	1	MS1627724A	1	10	Z	Z	314A	↓
BLANKA	PBLK22285	10.00	SS1627224A	1			10	Z	Z	N/A	Na2SO4
LCSA	LCS22285	10.00	SS1627224A	1	MS1627724A	1	10	Z	Z	↓	↓

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185092816A
Filter Paper	9729320
Hexane	164543
Sodium Sulfate	16284A

Spike Solutions: Witness:
MS1627724A PCB SPIKE
SS1627224A SW846 SURROGATE STANDARI

	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
20	1 8592780	AMW61	10.08	SS1627224A	1	10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	09/28/2016	N
1	2 8592781BKG	AMW62	10.21	SS1627224A	1	10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/28/2016	N
1.5	3 8592784	AMW63	10.03	SS1627224A	1	10	Z	Z	314A	Soil;Rocks;Black	10225	1869	09/28/2016	N
1	4 8592812	AMW77	10.18	SS1627224A	1	10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	09/29/2016	N
50	5 8592813	AMW78	10.09	SS1627224A	1	10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	09/29/2016	N
1	6 8592814	AMW79	10.03	SS1627224A	1	10	Z	Z	314A	Clay;Gritty;Brown	10225	1869	09/29/2016	N
5	7 8592815	AMW80	10.08	SS1627224A	1	10	Z	Z	314A	Soil;Gritty;Black	10225	1869	09/29/2016	N
10	8 8592816	AMW81	10.06	SS1627224A	1	10	Z	Z	314A	Clay;Gritty;Brown;Orange	10225	1869	09/29/2016	N
10.20	9 8592817	AMW82	10.17	SS1627224A	1	10	Z	Z	314A	Soil;Gritty;Black	10225	1869	09/29/2016	N
5	10 8592818	AMW83	10.09	SS1627224A	1	10	Z	Z	314A	Soil;Gritty;Black	10225	1869	09/29/2016	N
1.5	11 8592819	AMW84	10.15	SS1627224A	1	10	Z	Z	314A	Soil;Gritty;Black	10225	1869	09/29/2016	N

N/A
DT 277
10/12/16

Rack ID:		Work Station	Son Hood 4	Micro Temp 100?
Internal Standard		Balance #	17609	

S-bath ID 8	98 C	S-bath ID	C	N-Evap	C	M-vap	C	162850022A

Documented temps are NIST corrected.

DF = Dilution Factor FV = Final Volume

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 162850022A

Verified: KMT 0065
Start Date: 10/12/16
Start Time: 0640
Tech 1: DT 277
Tech 2:

DT 277 10/12/16 ③

Sample #		QC	Aliquot ~~(g)~~ ml	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8592780		10	10				10225
2	8592781							10225
3	8592782	MS						10225
4	8592783	MSD						10225
5	8592784							10225
6	8592812							10225
7	8592813							10225
8	8592814							10225
9	8592815							10225
10	8592816							10225
11	8592817							10225
12	8592818							10225
13	8592819							10225
14	BLANKA							
15	LCSA							

N/A
DT 277
10/12/16

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	163621

Prep-Process Worksheet

Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch: 162850022A

Verified: KBT 9/06
Start Date: 10/12/16
Start Time: 0705
Tech 1: DT 277
Tech 2:

	Sample #	QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8592780		2	2				10225
2	8592781							10225
3	8592782	MS						10225
4	8592783	MSD						10225
5	8592784							10225
6	8592812							10225
7	8592813							10225
8	8592814							10225
9	8592815							10225
10	8592816							10225
11	8592817							10225
12	8592818							10225
13	8592819							10225
14	BLANKA							
15	LCSA							

DT 277
10/12/16

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	414011CE

S-Evap/bath	C	S-Evap/bath	C	N-Evap	C

The documented temperatures are NIST corrected.

Prep-Process Worksheet

Copper
Prep: 14248 PCB 10g Sonication Ext
Batch No: 162850022A

Verified: KBT 9065
Start Date: 10/12/16
Start Time: 0720
Tech 1: DT 277
Tech 2:

DT277 10/12/16 ③

Sample #		QC	Aliquot (m)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8592780		2	2				10225
2	8592781							10225
3	8592782	MS						10225
4	8592783	MSD						10225
5	8592784							10225
6	8592812							10225
7	8592813							10225
8	8592814							10225
9	8592815							10225
10	8592816							10225
11	8592817							10225
12	8592818							10225
13	8592819							10225
14	BLANKA							
15	LCSA							

N/A
DT277
10/12/16

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Copper	615040-BB

Moisture Data

eurofins | Lancaster Laboratories Environmental

CLIENT: Stantec
SDG: ATD81

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
8592780	AMW61
8592781	AMW62BKG
8592782	AMW62MS
8592783	AMW62MSD
8592784	AMW63FD

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: 16266820006A	Sample number(s): 8592780-8592784				
Moisture	100		99-101		
Moisture	100		99-101		
Moisture Duplicate	100		99-101		

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 16266820006A	Sample number(s): 8592780-8592784			
Moisture	12.3	11.5	7*	5
Moisture	12.3	11.5	7*	5
Moisture Duplicate	12.3	11.5	7*	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

Moisture Data Report

Batch #: **16266820006**

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
8592780	A	00111	1.0734	5.8188	6.5749	5.45	9/22/16 (835/LEB)	9/23/16 (236/CW)
8592781BKG	A	00111	1.0837	5.6495	6.0358	12.34	9/22/16 (835/LEB)	9/23/16 (236/CW)
8592782MS	A	00118				12.34	9/22/16 (835/LEB)	9/23/16 (236/CW)
8592783MSD	A	00118				12.34	9/22/16 (835/LEB)	9/23/16 (236/CW)
8592783MSD	A	00121	1.0471	5.9022	6.2723	11.47	9/22/16 (835/LEB)	9/23/16 (236/CW)
8592784FD	A	00111	1.0976	6.0365	6.3873	12.37	9/22/16 (835/LEB)	9/23/16 (236/CW)
LCS 89.5% Std.		00111	1.0725	5.0512	1.6061	89.44	9/22/16 (835/LEB)	9/23/16 (236/CW)