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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 06/27/12-06/28/12

SDG# ASX67

GROUP	SAMPLE NUMBERS
1319306	6706974-6706993

PA Cert. # 36-00037
NY Cert. # 10670
NJ Cert. # PA011
NC Cert. # 521
TX Cert. # T104704194-08A-TX

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: 07/31/2012**

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 Ext. 1375.

Total Number of Pages __1057_____

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Sample Reference List for SDG Number ASX67 with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Lab Sample Code	Client Sample Description
6706974	TS-18	TS-2012-18 Grab Soil
6706975	TS-19	TS-2012-19 Grab Soil
6706976	TS-20	TS-2012-20 Grab Soil
6706977	TS-21	TS-2012-21 Grab Soil
6706978	TS-22	TS-2012-22 Grab Soil
6706979	TS-23	TS-2012-23 Grab Soil
6706980	TS-24	TS-2012-24 Grab Soil
6706981	TS-25	TS-2012-25 Grab Soil
6706982	TS-25	TS-2012-25MS Grab Soil
6706983	TS-25	TS-2012-25MSD Grab Soil
6706984	TS-40	TS-2012-40 Grab Soil
6706985	TS-41	TS-2012-41 Grab Soil
6706986	TS-42	TS-2012-42 Grab Soil
6706987	TS-43	TS-2012-43 Grab Soil
6706988	TS-44	TS-2012-44 Grab Soil
6706989	TS-45	TS-2012-45 Grab Soil
6706990	TS-46	TS-2012-46 Grab Soil
6706991	TS-47	TS-2012-47 Grab Soil
6706992	TS-48	TS-2012-48 Grab Soil
6706993	TS-49	TS-2012-49 Grab Soil

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1319306 Sample # 6706974-93

COC # 308114

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: Stantec Acct. #:

Project Name/#: Amtrak Wilmington PWSID #:

Project Manager: Steve Baggett P.O.#: 2134602048

Sampler: Paul Miller Quote #:

Name of state where samples were collected: Delaware

For Lab Use Only
FSC:
SCR#:

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

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Sediment	Water (Potable, NPDES, Ground, Surface)	Other:	Total # of Containers	PCB 8082	TPH-DRO	Moisture	Remarks	Temperature of samples upon receipt (if requested)
TS-2012-18	6-27-12	1040	X		X				1	X				1.1-4.1°C
TS-2012-19		1045	X		X				1	X				
TS-2012-20		1210	X		X				1	X			-To be pulverized by lab	
TS-2012-21		1215	X		X				1	X				
TS-2012-22		1225	X		X				1	X			-To be pulverized by lab	
TS-2012-23		1235	X		X				1	X			-To be pulverized by lab	
TS-2012-24		1250	X		X				1	X			-Pulverize if necessary	
TS-2012-25		1300	X		X				3	X	X	X	-To be pulverized by lab	
TS-2012-25MS		1300	X		X				1	X			-To be pulverized by lab	
TS-2012-25MSD		1300	X		X				1	X			-To be pulverized by lab	

Remarks: Require Delaware VCP Data Package

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: (610) 840-2551
E-mail address: paul.miller@stantec.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	6-27-12	1225	[signature]	6/29/12	1225
[signature]	6/29/12	1510			

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1319306 Sample # 6706974-93

COC # 308117

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: Stantec Acct. #:

Project Name/#: Amtrak-Wilmington PWSID #:

Project Manager: Steve Baugett P.O.#: 2134020048

Sampler: Paul Miller Quote #:

Name of state where samples were collected: Delaware

For Lab Use Only
FSC:
SCR#:

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

Reply in Delaware VCP Data Package

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Sediment	Water: Potable	Ground	Surface	NPDES	Other:	Total # of Containers	PCB-8082	TPH-DRO	Moisture	Remarks	Temperature of samples upon receipt (if requested)
TS-2012-40	6-28-12	0835	X		X							1	X				1.1-4.1°C
TS-2012-41		0850	X		X							1	X				
TS-2012-42		0900	X		X							3	X	X	X		
TS-2012-43		0905	X		X							1	X			To be pulverized by lab	
TS-2012-44		0915	X		X							1	X				
TS-2012-45		0925	X		X							1	X				
TS-2012-46		0930	X		X							1	X				
TS-2012-47		0935	X		X							1	X				
TS-2012-48		0945	X		X							1	X				
TS-2012-49		0955	X		X							1	X				

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 610-840-2557
E-mail address: paul.miller@stantec.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	6-28-12	1225	[signature]	6/28/12	1225
B Wood	6/29/12	1550			

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 717-656-2300
The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management
7044.01

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Environmental Sample Administration
Receipt Documentation Log

Client/Project: Stantec

Date of Receipt: 6/29/12

Time of Receipt: 1550

Source Code: 01

Shipping Container Sealed: YES (NO)

Custody Seal Present * : YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	429951	3.1	TB	WI	Y	B	
2		1.1					
3		4.1					
4		2.7					
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

TB-2012-1 = 0831
EB-06292012 = 1220

Unpacker Signature/Emp#: K Gm 2241 **Date/Time:** 6/29/12 1615

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2174.06

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10736 PCBs in Soil (microwave)

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.

10497 PCB Microwave Soil Extraction
10942 Microwave Extraction-DRO soils

The sample aliquot is extracted using microwave extraction with 1:1 methylene chloride and acetone. The extract is concentrated prior to analysis.

Reference: Test Methods for Evaluating Solid Wastes, SW-846 Method 3546, Revision 0, February 2007.

10941 TPH-DRO soil C10-C28 microwave

Sample extracts in methylene chloride are analyzed by capillary chromatography using flame ionization detection. Quantitation is performed using the total peak area detected within the hydrocarbon ranges defined in the method.

Reference: Test Methods for Evaluating Solid Wastes SW-846, Method 8015B, 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, 20th Edition, 1998, Method 2540 G

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

July 18, 2012

Project: Amtrak Wilmington

Submittal Date: 06/29/2012
Group Number: 1319306
SDG: ASX67
PO Number: 213402048
State of Sample Origin: DE

Client Sample Description	Lancaster Labs (LLI) #
TS-2012-18 Grab Soil	6706974
TS-2012-19 Grab Soil	6706975
TS-2012-20 Grab Soil	6706976
TS-2012-21 Grab Soil	6706977
TS-2012-22 Grab Soil	6706978
TS-2012-23 Grab Soil	6706979
TS-2012-24 Grab Soil	6706980
TS-2012-25 Grab Soil	6706981
TS-2012-25MS Grab Soil	6706982
TS-2012-25MSD Grab Soil	6706983
TS-2012-40 Grab Soil	6706984
TS-2012-41 Grab Soil	6706985
TS-2012-42 Grab Soil	6706986
TS-2012-43 Grab Soil	6706987
TS-2012-44 Grab Soil	6706988
TS-2012-45 Grab Soil	6706989
TS-2012-46 Grab Soil	6706990
TS-2012-47 Grab Soil	6706991
TS-2012-48 Grab Soil	6706992
TS-2012-49 Grab Soil	6706993

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

ELECTRONIC COPY TO	Stantec	Attn: Steve Baggett
ELECTRONIC COPY TO	Stantec	Attn: Paul Miller

Lancaster Laboratories, Inc.
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Analysis Report

1 COPY TO Data Package Group

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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PO Box 12425
Lancaster, PA 17605-2425
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Analysis Report

Sample Description: TS-2012-18 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706974
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 10:40 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-18 SDG#: ASX67-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 1,900	1,900	100
10736	PCB-1221	11104-28-2	< 1,900	1,900	100
10736	PCB-1232	11141-16-5	< 1,900	1,900	100
10736	PCB-1242	53469-21-9	< 1,900	1,900	100
10736	PCB-1248	12672-29-6	< 1,900	1,900	100
10736	PCB-1254	11097-69-1	33,000	1,900	100
10736	PCB-1260	11096-82-5	9,500	1,900	100
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	13.1	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/10/2012 21:16	Jessica L Miller	100
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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ASX67 [illegible]

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Analysis Report

Sample Description: TS-2012-19 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706975
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 10:45 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-19 SDG#: ASX67-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 9,600	9,600	500
10736	PCB-1221	11104-28-2	< 9,600	9,600	500
10736	PCB-1232	11141-16-5	< 9,600	9,600	500
10736	PCB-1242	53469-21-9	< 9,600	9,600	500
10736	PCB-1248	12672-29-6	< 9,600	9,600	500
10736	PCB-1254	11097-69-1	48,000	9,600	500
10736	PCB-1260	11096-82-5	18,000	9,600	500
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	11.8	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/12/2012 19:19	Jessica L Miller	500
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-20 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706976
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 12:10 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-20 SDG#: ASX67-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 170	170	10
10736	PCB-1221	11104-28-2	< 170	170	10
10736	PCB-1232	11141-16-5	< 170	170	10
10736	PCB-1242	53469-21-9	< 170	170	10
10736	PCB-1248	12672-29-6	< 170	170	10
10736	PCB-1254	11097-69-1	< 170	170	10
10736	PCB-1260	11096-82-5	220	170	10
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	< 0.50	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/10/2012 21:39	Jessica L Miller	10
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-21 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706977
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 12:15 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-21 SDG#: ASX67-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 3,700	3,700	200
10736	PCB-1221	11104-28-2	< 3,700	3,700	200
10736	PCB-1232	11141-16-5	< 3,700	3,700	200
10736	PCB-1242	53469-21-9	< 3,700	3,700	200
10736	PCB-1248	12672-29-6	< 3,700	3,700	200
10736	PCB-1254	11097-69-1	< 3,700	3,700	200
10736	PCB-1260	11096-82-5	15,000	3,700	200
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	9.5	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/10/2012 21:50	Jessica L Miller	200
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-22 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706978
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 12:25 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-22 SDG#: ASX67-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 1,700	1,700	100
10736	PCB-1221	11104-28-2	< 1,700	1,700	100
10736	PCB-1232	11141-16-5	< 1,700	1,700	100
10736	PCB-1242	53469-21-9	< 1,700	1,700	100
10736	PCB-1248	12672-29-6	< 1,700	1,700	100
10736	PCB-1254	11097-69-1	< 1,700	1,700	100
10736	PCB-1260	11096-82-5	2,400	1,700	100
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	< 0.50	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/10/2012 22:02	Jessica L Miller	100
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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ASX67 22160

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Analysis Report

Sample Description: TS-2012-23 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706979
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 12:35 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-23 SDG#: ASX67-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 84	84	5
10736	PCB-1221	11104-28-2	< 84	84	5
10736	PCB-1232	11141-16-5	< 84	84	5
10736	PCB-1242	53469-21-9	< 84	84	5
10736	PCB-1248	12672-29-6	< 84	84	5
10736	PCB-1254	11097-69-1	< 84	84	5
10736	PCB-1260	11096-82-5	660	84	5
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	< 0.50	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/06/2012 18:10	Jessica L Miller	5
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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ASX67 2216.09

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Analysis Report

Sample Description: TS-2012-24 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706980
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 12:50 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

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1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-24 SDG#: ASX67-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 840	840	50
10736	PCB-1221	11104-28-2	< 840	840	50
10736	PCB-1232	11141-16-5	< 840	840	50
10736	PCB-1242	53469-21-9	< 840	840	50
10736	PCB-1248	12672-29-6	< 840	840	50
10736	PCB-1254	11097-69-1	< 840	840	50
10736	PCB-1260	11096-82-5	1,600	840	50
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	< 0.50	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/10/2012 22:13	Jessica L Miller	50
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-25 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706981
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 13:00 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-25 SDG#: ASX67-08BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 170	170	10
10736	PCB-1221	11104-28-2	< 170	170	10
10736	PCB-1232	11141-16-5	< 170	170	10
10736	PCB-1242	53469-21-9	< 170	170	10
10736	PCB-1248	12672-29-6	< 170	170	10
10736	PCB-1254	11097-69-1	< 170	170	10
10736	PCB-1260	11096-82-5	350	170	10
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	TPH-DRO soil C10-C28 microwave	n.a.	320	61	5
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	1.5	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/10/2012 20:42	Jessica L Miller	10
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	121850012A	07/10/2012 19:52	Glorines Suarez-Rivera	5
10942	Microwave Extraction-DRO soils	SW-846 3546	1	121850012A	07/04/2012 08:15	Katheryne V Sponheimer	1
00111	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-25MS Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706982
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 13:00 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

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1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-25 SDG#: ASX67-08MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	260	170	10
10736	PCB-1221	11104-28-2	< 170	170	10
10736	PCB-1232	11141-16-5	< 170	170	10
10736	PCB-1242	53469-21-9	< 170	170	10
10736	PCB-1248	12672-29-6	< 170	170	10
10736	PCB-1254	11097-69-1	< 170	170	10
10736	PCB-1260	11096-82-5	530	170	10
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00118	Moisture	n.a.	1.5	0.50	1

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/10/2012 20:53	Jessica L Miller	10
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00118	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-25MSD Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706983
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/27/2012 13:00 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

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TS-25 SDG#: ASX67-08MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	190	170	10
10736	PCB-1221	11104-28-2	< 170	170	10
10736	PCB-1232	11141-16-5	< 170	170	10
10736	PCB-1242	53469-21-9	< 170	170	10
10736	PCB-1248	12672-29-6	< 170	170	10
10736	PCB-1254	11097-69-1	< 170	170	10
10736	PCB-1260	11096-82-5	420	170	10
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00118	Moisture	n.a.	1.5	0.50	1
00121	Moisture Duplicate	n.a.	1.5	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.

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/10/2012 21:05	Jessica L Miller	10
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00118	Moisture	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	1	12185820001A	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-40 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706984
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 08:35 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

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TS-40 SDG#: ASX67-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 8,900	8,900	500
10736	PCB-1221	11104-28-2	< 8,900	8,900	500
10736	PCB-1232	11141-16-5	< 8,900	8,900	500
10736	PCB-1242	53469-21-9	< 8,900	8,900	500
10736	PCB-1248	12672-29-6	< 8,900	8,900	500
10736	PCB-1254	11097-69-1	< 8,900	8,900	500
10736	PCB-1260	11096-82-5	38,000	8,900	500
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	5.2	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/11/2012 16:25	Jessica L Miller	500
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-41 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706985
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 08:50 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

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TS-41 SDG#: ASX67-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 2,200	2,200	125
10736	PCB-1221	11104-28-2	< 2,200	2,200	125
10736	PCB-1232	11141-16-5	< 2,200	2,200	125
10736	PCB-1242	53469-21-9	< 2,200	2,200	125
10736	PCB-1248	12672-29-6	< 2,200	2,200	125
10736	PCB-1254	11097-69-1	< 2,200	2,200	125
10736	PCB-1260	11096-82-5	12,000	2,200	125
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	5.3	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/11/2012 16:37	Jessica L Miller	125
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-42 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706986
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 09:00 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

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1060 Andrew Drive
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TS-42 SDG#: ASX67-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 8,900	8,900	500
10736	PCB-1221	11104-28-2	< 8,900	8,900	500
10736	PCB-1232	11141-16-5	< 8,900	8,900	500
10736	PCB-1242	53469-21-9	< 8,900	8,900	500
10736	PCB-1248	12672-29-6	< 8,900	8,900	500
10736	PCB-1254	11097-69-1	< 8,900	8,900	500
10736	PCB-1260	11096-82-5	49,000	8,900	500
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	TPH-DRO soil C10-C28 microwave	n.a.	20,000	1,200	50
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	5.2	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/11/2012 16:50	Jessica L Miller	500
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	121850012A	07/10/2012 17:45	Glorines Suarez-Rivera	50
10942	Microwave Extraction-DRO soils	SW-846 3546	1	121850012A	07/04/2012 08:15	Katheryne V Sponheimer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-43 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706987
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 09:05 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
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TS-43 SDG#: ASX67-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 17	17	1
10736	PCB-1221	11104-28-2	< 17	17	1
10736	PCB-1232	11141-16-5	< 17	17	1
10736	PCB-1242	53469-21-9	< 17	17	1
10736	PCB-1248	12672-29-6	< 17	17	1
10736	PCB-1254	11097-69-1	< 17	17	1
10736	PCB-1260	11096-82-5	19	17	1
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	< 0.50	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/16/2012 21:21	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-44 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706988
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 09:15 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

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1060 Andrew Drive
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TS-44 SDG#: ASX67-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 3,900	3,900	200
10736	PCB-1221	11104-28-2	< 3,900	3,900	200
10736	PCB-1232	11141-16-5	< 3,900	3,900	200
10736	PCB-1242	53469-21-9	< 3,900	3,900	200
10736	PCB-1248	12672-29-6	< 3,900	3,900	200
10736	PCB-1254	11097-69-1	< 3,900	3,900	200
10736	PCB-1260	11096-82-5	13,000	3,900	200
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	14.6	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/11/2012 17:01	Jessica L Miller	200
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-45 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706989
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 09:25 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

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TS-45 SDG#: ASX67-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	< 1,900	1,900	100
10736	PCB-1221	11104-28-2	< 1,900	1,900	100
10736	PCB-1232	11141-16-5	< 1,900	1,900	100
10736	PCB-1242	53469-21-9	< 1,900	1,900	100
10736	PCB-1248	12672-29-6	< 1,900	1,900	100
10736	PCB-1254	11097-69-1	< 1,900	1,900	100
10736	PCB-1260	11096-82-5	24,000	1,900	100
Wet Chemistry	**SM20 2540 G**		%	%	
00111	Moisture	n.a.	11.7	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/11/2012 17:12	Jessica L Miller	100
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-46 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706990
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 09:30 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
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West Chester PA 19380

TS-46 SDG#: ASX67-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 1,800	1,800	100
10736	PCB-1221	11104-28-2	< 1,800	1,800	100
10736	PCB-1232	11141-16-5	< 1,800	1,800	100
10736	PCB-1242	53469-21-9	< 1,800	1,800	100
10736	PCB-1248	12672-29-6	< 1,800	1,800	100
10736	PCB-1254	11097-69-1	< 1,800	1,800	100
10736	PCB-1260	11096-82-5	18,000	1,800	100
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	5.8	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/06/2012 20:04	Jessica L Miller	100
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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ASX67 88216

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Analysis Report

Sample Description: TS-2012-47 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706991
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 09:35 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-47 SDG#: ASX67-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 1,900	1,900	100
10736	PCB-1221	11104-28-2	< 1,900	1,900	100
10736	PCB-1232	11141-16-5	< 1,900	1,900	100
10736	PCB-1242	53469-21-9	< 1,900	1,900	100
10736	PCB-1248	12672-29-6	< 1,900	1,900	100
10736	PCB-1254	11097-69-1	< 1,900	1,900	100
10736	PCB-1260	11096-82-5	11,000	1,900	100
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	10.4	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/06/2012 20:16	Jessica L Miller	100
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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Analysis Report

Sample Description: TS-2012-48 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706992
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 09:45 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-48 SDG#: ASX67-17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 1,900	1,900	100
10736	PCB-1221	11104-28-2	< 1,900	1,900	100
10736	PCB-1232	11141-16-5	< 1,900	1,900	100
10736	PCB-1242	53469-21-9	< 1,900	1,900	100
10736	PCB-1248	12672-29-6	< 1,900	1,900	100
10736	PCB-1254	11097-69-1	< 1,900	1,900	100
10736	PCB-1260	11096-82-5	18,000	1,900	100
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	9.1	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/11/2012 17:47	Jessica L Miller	100
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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ASX67 00221601

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Analysis Report

Sample Description: TS-2012-49 Grab Soil
Amtrak Wilmington

LLI Sample # SW 6706993
LLI Group # 1319306
Account # 11289

Project Name: Amtrak Wilmington

Collected: 06/28/2012 09:55 by PM

Submitted: 06/29/2012 15:50
Reported: 07/18/2012 13:56

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

TS-49 SDG#: ASX67-18*

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	< 1,700	1,700	100
10736	PCB-1221	11104-28-2	< 1,700	1,700	100
10736	PCB-1232	11141-16-5	< 1,700	1,700	100
10736	PCB-1242	53469-21-9	< 1,700	1,700	100
10736	PCB-1248	12672-29-6	< 1,700	1,700	100
10736	PCB-1254	11097-69-1	< 1,700	1,700	100
10736	PCB-1260	11096-82-5	15,000	1,700	100
Wet Chemistry	**SM20 2540 G**		**%**	**%**	
00111	Moisture	n.a.	1.8	0.50	1

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

General 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
10736	7 PCBs in Solids	SW-846 8082	1	121840016A	07/11/2012 17:58	Jessica L Miller	100
10497	PCB Microwave Soil Extraction	SW-846 3546	1	121840016A	07/02/2012 23:00	Karen L Beyer	1
00111	Moisture	SM20 2540 G	1	12185820001B	07/03/2012 08:45	Scott W Freisher	1

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Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ASX67

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
6706974	TS-2012-18		X	100	
6706975	TS-2012-19		X	500	
6706976	TS-2012-20		X	10	
6706977	TS-2012-21		X	200	
6706978	TS-2012-22		X	100	
6706979	TS-2012-23		X	5	
6706980	TS-2012-24		X	50	
6706981	TS-2012-25		X	10	Unspiked
6706982	TS-2012-25MS		X	10	Matrix Spike
6706983	TS-2012-25MSD		X	10	Matrix Spike Duplicate
6706984	TS-2012-40		X	500	
6706985	TS-2012-41		X	125	
6706986	TS-2012-42		X	500	
6706987	TS-2012-43		X	1	
6706988	TS-2012-44		X	200	
6706989	TS-2012-45		X	100	
6706990	TS-2012-46		X	100	
6706991	TS-2012-47		X	100	
6706992	TS-2012-48		X	100	
6706993	TS-2012-49		X	100	

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ASX67

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

CALIBRATION/STANDARDIZATION:

(Sample number(s): 6706974-6706993: Analysis: 10736)
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.

Surrogate

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

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

Narrative Reviewed and Approved 7/26/2012 by
(Date)

M. Susan Kreider
M. Susan Kreider
Senior Specialist

Quality Control and Calibration Summary Forms

ASX67 8832

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Quality Control Reference List
Pesticide Residue Analysis

CLIENT: Stantec
SDG: ASX67

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
7 PCBs in Solids	121840016A	PBLK16184	07/10/2012 19:00:00
		LCS16184	07/10/2012 19:11:00
		6706974	07/10/2012 21:16:00
		6706975	07/12/2012 19:19:00
		6706976	07/10/2012 21:39:00
		6706977	07/10/2012 21:50:00
		6706978	07/10/2012 22:02:00
		6706979	07/06/2012 18:10:00
		6706980	07/10/2012 22:13:00
		6706981 UNSPK	07/10/2012 20:42:00
		6706982 MS	07/10/2012 20:53:00
		6706983 MSD	07/10/2012 21:05:00
		6706984	07/11/2012 16:25:00
		6706985	07/11/2012 16:37:00
		6706986	07/11/2012 16:50:00
		6706987	07/16/2012 21:21:00
		6706988	07/11/2012 17:01:00
		6706989	07/11/2012 17:12:00
		6706990	07/06/2012 20:04:00
		6706991	07/06/2012 20:16:00
		6706992	07/11/2012 17:47:00
		6706993	07/11/2012 17:58:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ASX67
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

121840016A / PBLK16184 Analyte	Analysis Date	Blank Results	Units	MDL	LOQ
PCB-1016	07/10/12	N.D.	ug/kg	3.6	17
PCB-1221	07/10/12	N.D.	ug/kg	4.6	17
PCB-1232	07/10/12	N.D.	ug/kg	8.0	17
PCB-1242	07/10/12	N.D.	ug/kg	3.3	17
PCB-1248	07/10/12	N.D.	ug/kg	3.3	17
PCB-1254	07/10/12	N.D.	ug/kg	3.3	17
PCB-1260	07/10/12	N.D.	ug/kg	4.9	17

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ASX67
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

121840016A	Tetrachloro-m-xylene		Decachlorobiphenyl	
	Spike Added	10.3 ug/kg	Spike Added	10 ug/kg
Sample	% Recovery	Limits	% Recovery	Limits
PBLK16184	105	33 - 143	95	24 - 164
LCS16184	108	33 - 143	95	24 - 164
6706974	97	33 - 143	124	24 - 164
6706975	79	33 - 143	322 *	24 - 164
6706976	116	33 - 143	120	24 - 164
6706977	91	33 - 143	142	24 - 164
6706978	120	33 - 143	139	24 - 164
6706979	107	33 - 143	117	24 - 164
6706980	75	33 - 143	89	24 - 164
6706981	89	33 - 143	121	24 - 164
6706982 MS	92	33 - 143	113	24 - 164
6706983 MSD	99	33 - 143	111	24 - 164
6706984	101	33 - 143	312 *	24 - 164
6706985	115	33 - 143	165 *	24 - 164
6706986	99	33 - 143	297 *	24 - 164
6706987	101	33 - 143	104	24 - 164
6706988	40	33 - 143	73	24 - 164
6706989	103	33 - 143	147	24 - 164
6706990	99	33 - 143	158	24 - 164
6706991	112	33 - 143	125	24 - 164
6706992	93	33 - 143	141	24 - 164
6706993	109	33 - 143	152	24 - 164

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

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

SDG: ASX67
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS16184	Batch: **121840016A** (Sample number(s): 6706974-6706993)							
Analyte	**Spike Added ug/kg**	**LCS Conc ug/kg**	**LCSD Conc ug/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	166.67	163.58		98		64-121		
PCB-1260	166.67	175.78		105		72-123		

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ASX67
Matrix: SOLID

Pesticide Residue Analysis
Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 6706981 MS: 6706982 MSD: 6706983 **Analyte**	Batch: **121840016A** (Sample number(s): 6706974-6706993)								
	Spike Added ug/kg	**Unspiked Conc ug/kg**	**MS Conc ug/kg**	**MSD Conc ug/kg**	**MS %Rec**	**MSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	164.47	N.D.	253.77	191.56	154 *	115	29-146	28	50
PCB-1260	164.47	344.72	519.1	409.46	106	39	39-149	24	50

Results are being reported on an as received basis.

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 1P20188

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

Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	RT OF STANDARDS					MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	RT	FROM	TO
Tetrachloro-m-xylene	3.04	3.04	3.04	3.04	3.04	3.04	3.02	3.06
Decachlorobiphenyl	6.81	6.81	6.81	6.81	6.81	6.80	6.78	6.82

FORM VI-1

ASX67 0038

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 1P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	2.86E+05	2.61E+05	2.52E+05	2.54E+05	2.39E+05	2.58E+05	6.8
Decachlorobiphenyl	1.76E+05	1.47E+05	1.36E+05	1.35E+05	1.26E+05	1.44E+05	13.5

Average % RSD: 10.2

FORM VI-2

ASX67 0033

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 1P20188

GC Column (1): ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.30	3.27	3.33	5498	4675	1	50	274904	13.7
					5122		2	100	512215	
					4587		3	200	917452	
					4241		4	500	2120420	
					3927		5	1000	3927011	
	2	3.64	3.61	3.67	6890	5871	1	50	344504	13.2
					6257		2	100	625696	
					5902		3	200	1180370	
					5460		4	500	2729981	
					4844		5	1000	4844386	
	3	3.86	3.83	3.89	7758	6813	1	50	387894	11.9
					7502		2	100	750182	
					6625		3	200	1324939	
					6389		4	500	3194564	
					5789		5	1000	5788977	
	4	3.92	3.89	3.95	7078	6179	1	50	353903	11.3
					6621		2	100	662118	
					6098		3	200	1219551	
					5819		4	500	2909403	
					5280		5	1000	5280280	
	5	3.99	3.96	4.02	4223	3741	1	50	211163	10.9
					4045		2	100	404482	
					3685		3	200	737084	
					3560		4	500	1780152	
					3189		5	1000	3189247	
	6	4.12	4.09	4.15	4845	4229	1	50	242245	12.4
					4627		2	100	462659	
					4218		3	200	843623	
					3914		4	500	1957135	
					3542		5	1000	3542066	
Aroclor-1221	1	3.19	3.16	3.22	2469	2469	1	200	493828	
	2	3.25	3.22	3.28	2113	2113	1	200	422569	
	3	3.30	3.27	3.33	6288	6288	1	200	1257575	
Aroclor-1232	1	3.30	3.27	3.33	6586	6586	1	200	1317135	
	2	3.64	3.61	3.67	3225	3225	1	200	644956	
	3	3.86	3.83	3.89	3775	3775	1	200	754911	
	4	3.93	3.90	3.96	3312	3312	1	200	662443	
	5	3.99	3.96	4.02	1805	1805	1	200	360993	
	6	4.13	4.10	4.16	2181	2181	1	200	436243	

FORM VI-3

ASX67 8848

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 1P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.30	3.27	3.33	3907	3907	1	200	781357	
	2	3.64	3.61	3.67	4852	4852	1	200	970488	
	3	3.86	3.83	3.89	5742	5742	1	200	1148476	
	4	3.93	3.90	3.96	4969	4969	1	200	993764	
	5	4.00	3.97	4.03	2963	2963	1	200	592604	
	6	4.13	4.10	4.16	3621	3621	1	200	724275	
Aroclor-1248	1	4.00	3.97	4.03	5458	5458	1	200	1091528	
	2	4.13	4.10	4.16	6280	6280	1	200	1255948	
	3	4.22	4.19	4.25	5476	5476	1	200	1095235	
	4	4.41	4.38	4.44	4781	4781	1	200	956109	
	5	4.54	4.51	4.57	5562	5562	1	200	1112449	
	6	4.81	4.78	4.84	4114	4114	1	200	822793	

FORM VI-3

ASX67 0841

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 1P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.55	4.52	4.58	11939	10213	1	50	596967	11.8
					10836		2	100	1083601	
					10075		3	250	2518823	
					9153		4	500	4576559	
					9060		5	1000	9059825	
	2	4.75	4.72	4.78	7313	6584	1	50	365634	8.5
					6984		2	100	698352	
					6480		3	250	1619984	
					6161		4	500	3080250	
					5982		5	1000	5982267	
	3	4.81	4.78	4.84	13982	12550	1	50	699112	9.2
					13498		2	100	1349792	
					12303		3	250	3075829	
					11624		4	500	5811924	
					11345		5	1000	11344878	
	4	5.03	5.00	5.06	11343	9930	1	50	567140	10.6
					10662		2	100	1066234	
					9713		3	250	2428356	
					8990		4	500	4494852	
					8943		5	1000	8942563	
	5	5.23	5.20	5.26	8916	7756	1	50	445798	11.3
					8357		2	100	835732	
					7615		3	250	1903702	
					7040		4	500	3520122	
					6854		5	1000	6853581	
	6	5.35	5.32	5.38	11581	10004	1	50	579062	10.7
					10608		2	100	1060833	
					9552		3	250	2387962	
					9158		4	500	4578937	
					9119		5	1000	9119452	

ASX67 0042

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 1P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	5.14	5.11	5.17	13925	12006	1	50	696225	12.3
					12960		2	100	1296000	
					11817		3	200	2363423	
					11174		4	500	5587153	
					10152		5	1000	10152479	
	2	5.23	5.20	5.26	6336	5696	1	50	316782	9.9
					6181		2	100	618056	
					5574		3	200	1114887	
					5429		4	500	2714658	
					4958		5	1000	4957941	
	3	5.35	5.32	5.38	14989	13126	1	50	749474	10.2
					13933		2	100	1393311	
					12536		3	200	2507108	
					12612		4	500	6306218	
					11559		5	1000	11559270	
	4	5.41	5.38	5.44	8526	7297	1	50	426315	12.4
					7713		2	100	771262	
					7306		3	200	1461248	
					6791		4	500	3395347	
					6148		5	1000	6148109	
	5	6.02	5.99	6.05	10980	9803	1	50	549024	9.1
					10316		2	100	1031568	
					9668		3	200	1933677	
					9404		4	500	4702120	
					8647		5	1000	8646832	
	6	6.45	6.42	6.48	5245	4475	1	50	262234	13.2
					4889		2	100	488888	
					4348		3	200	869528	
					4105		4	500	2052746	
					3790		5	1000	3789923	
Aroclor-1262	1	5.14	5.11	5.17	9924	9924	1	200	1984814	
	2	5.41	5.38	5.44	12920	12920	1	200	2583948	
	3	5.58	5.55	5.61	8928	8928	1	200	1785574	
	4	5.82	5.79	5.85	24333	24333	1	200	4866603	
	5	6.02	5.99	6.05	13576	13576	1	200	2715133	
	6	6.46	6.43	6.49	8191	8191	1	200	1638266	

ASX67 0843

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 1P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	6.02	5.99	6.05	26430	26430	1	200	5286044	
	2	6.08	6.05	6.11	22785	22785	1	200	4557099	
	3	6.21	6.18	6.24	20664	20664	1	200	4132724	
	4	6.28	6.25	6.31	5625	5625	1	200	1124988	
	5	6.46	6.43	6.49	9421	9421	1	200	1884288	
	6	6.66	6.63	6.69	59228	59228	1	200	11845632	

ASX67 0034

File Name: V:\CP20\1p20188.CAL
Version: 15

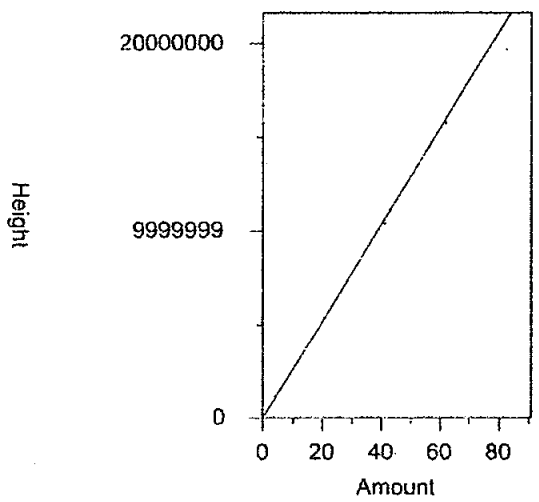
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 3.037 minutes
Search window: 0.02 minutes
No retention time reference component
No response proxy component
Group number: 0

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

Single peak quantification by height

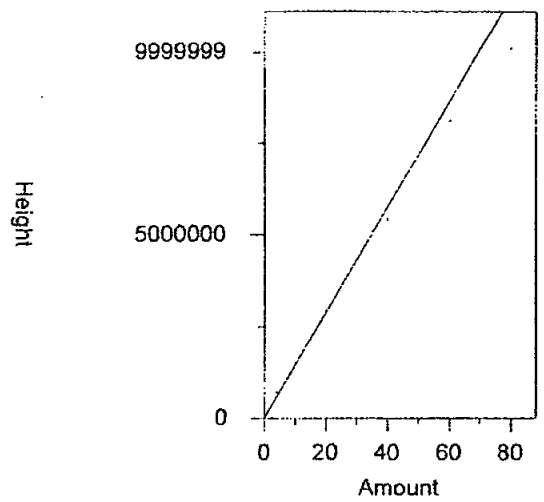
Y = 258201.2 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9876274
Average error: 4.729%
Average CF: 258201.2
RSD: 6.821%

Level	Amount	Response	Cal Factor	Error, %	Source	I
1	4.126	1181062	286248.7	10.863	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0006.BND	7
2	20.63	5377798	260678.5	0.959	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0007.BND	7
3	41.26	1.03784E+07	251536.6	-2.581	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0008.BND	7
4	62.055	1.576051E+07	253976.5	-1.636	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0009.BND	7
5	82.52	1.968645E+07	238565.8	-7.605	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0010.BND	7

2 DCB

ASX67 9845



Expected retention time:	6.802 minutes
Search window:	0.02 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 144055.9 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9574543
Average error:	9.802%
Average CF:	144055.9
RSD:	13.462%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4	704228	176057	22.214	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0006.BND
2	20	2947109	147355.5	2.290	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0007.BND
3	40	5421439	135536	-5.914	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0008.BND
4	60.16	8123798	135036.5	-6.261	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0009.BND
5	80	1.010356E+07	126294.5	-12.330	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0010.BND

ASX67 8846

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 1P20188B

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

Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.84	2.84	2.84	2.85	2.84	2.84	2.82	2.86
Decachlorobiphenyl	6.49	6.49	6.49	6.49	6.49	6.49	6.47	6.51

FORM VI-1

ASX67 8047

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 1P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.53E+06	1.52E+06	1.46E+06	1.50E+06	1.46E+06	1.50E+06	2.2
Decachlorobiphenyl	1.14E+06	9.86E+05	1.03E+06	1.06E+06	1.02E+06	1.05E+06	5.4

Average % RSD: 3.8

FORM VI-2

ASX67 8848

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342B Calibration File: 1P20188B
GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.14	3.11	3.17	27650	24126	1	50	1382487	11.5
					25965		2	100	2596459	
					23774		3	200	4754734	
					22672		4	500	11335994	
					20570		5	1000	20570188	
	2	3.48	3.45	3.51	33183	29496	1	50	1659152	9.9
					31100		2	100	3110002	
					29548		3	200	5909667	
					28197		4	500	14098250	
					25450		5	1000	25449812	
	3	3.68	3.65	3.71	36844	33483	1	50	1842217	7.2
					34820		2	100	3482045	
					32181		3	200	6436169	
					33001		4	500	16500482	
					30566		5	1000	30566040	
	4	3.75	3.72	3.78	37011	34611	1	50	1850528	5.8
					36306		2	100	3630620	
					33840		3	200	6768024	
					33741		4	500	16870466	
					32155		5	1000	32155116	
	5	3.82	3.79	3.85	24976	21611	1	50	1248793	10.2
					22516		2	100	2251559	
					20695		3	200	4138968	
					20499		4	500	10249566	
					19367		5	1000	19367472	
	6	3.93	3.90	3.96	33336	28369	1	50	1666783	11.2
					29631		2	100	2963099	
					26619		3	200	5323829	
					26961		4	500	13480280	
					25301		5	1000	25301078	
Aroclor-1221	1	3.02	2.99	3.05	13297	13297	1	200	2659469	
	2	3.08	3.05	3.11	9637	9637	1	200	1927463	
	3	3.14	3.11	3.17	33462	33462	1	200	6692332	
Aroclor-1232	1	3.14	3.11	3.17	33291	33291	1	200	6658164	
	2	3.48	3.45	3.51	15634	15634	1	200	3126757	
	3	3.68	3.65	3.71	17402	17402	1	200	3480461	
	4	3.75	3.72	3.78	17794	17794	1	200	3558764	
	5	3.82	3.79	3.85	3082	3082	1	200	616312	
	6	3.93	3.90	3.96	13134	13134	1	200	2626850	

ASX67 8849

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 1P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.14	3.11	3.17	19980	19980	1	200	3996074	
	2	3.48	3.45	3.51	23547	23547	1	200	4709445	
	3	3.68	3.65	3.71	26135	26135	1	200	5226923	
	4	3.75	3.72	3.78	27155	27155	1	200	5430974	
	5	3.82	3.79	3.85	5018	5018	1	200	1003606	
	6	3.93	3.90	3.96	22379	22379	1	200	4475806	
Aroclor-1248	1	3.79	3.76	3.82	28478	28478	1	200	5695529	
	2	3.93	3.90	3.96	38749	38749	1	200	7749772	
	3	4.03	4.00	4.06	25301	25301	1	200	5060165	
	4	4.17	4.14	4.20	21977	21977	1	200	4395368	
	5	4.32	4.29	4.35	23941	23941	1	200	4788137	
	6	4.57	4.54	4.60	24780	24780	1	200	4956083	

ASX67 2858

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342B Calibration File: 1P20188B
GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.50	4.47	4.53	49685	45938	1	50	2484236	6.6
					48230		2	100	4822958	
					45652		3	250	11413089	
					43476		4	500	21738042	
					42645		5	1000	42645424	
	2	4.57	4.54	4.60	81331	78059	1	50	4066558	2.9
					78901		2	100	7890119	
					78294		3	250	19573618	
					76235		4	500	38117644	
					75532		5	1000	75531608	
	3	4.74	4.71	4.77	65853	64455	1	50	3292668	1.4
					64372		2	100	6437233	
					64368		3	250	16091881	
					63402		4	500	31700802	
					64282		5	1000	64282016	
	4	4.81	4.78	4.84	42802	41281	1	50	2140093	3.4
					42528		2	100	4252758	
					41013		3	250	10253281	
					40739		4	500	20369574	
					39321		5	1000	39320876	
	5	4.98	4.95	5.01	41261	41281	1	50	2063062	1.9
					42479		2	100	4247850	
					40571		3	250	10142784	
					40556		4	500	20277842	
					41536		5	1000	41536156	
	6	5.06	5.03	5.09	64605	64652	1	50	3230269	1.4
					65967		2	100	6596712	
					63771		3	250	15942716	
					65069		4	500	32534386	
					63847		5	1000	63847412	

ASX67 0851

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 1P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.81	4.78	4.84	99111	96296	1	50	4955544	3.6
					99595		2	100	9959464	
					94280		3	200	18856022	
					97120		4	500	48559784	
					91374		5	1000	91373640	
	2	4.92	4.89	4.95	74276	69592	1	50	3713790	4.1
					69915		2	100	6991506	
					68742		3	200	13748468	
					68139		4	500	34069272	
					66886		5	1000	66886200	
	3	5.06	5.03	5.09	74337	72927	1	50	3716832	2.1
					74614		2	100	7461437	
					72862		3	200	14572408	
					71256		4	500	35627980	
					71568		5	1000	71568144	
	4	5.29	5.26	5.32	56075	53785	1	50	2803731	3.6
					55550		2	100	5554950	
					52198		3	200	10439640	
					53198		4	500	26599204	
					51905		5	1000	51904696	
	5	5.48	5.45	5.51	153028	154693	1	50	7651404	2.3
					151685		2	100	15168520	
					152674		3	200	30534736	
					155473		4	500	77736320	
					160603		5	1000	160603376	
	6	6.13	6.10	6.16	33267	31316	1	50	1663326	4.4
					31588		2	100	3158789	
					30537		3	200	6107413	
					31568		4	500	15783979	
					29619		5	1000	29618518	
Aroclor-1262	1	4.92	4.89	4.95	60436	60436	1	200	12087130	
	2	5.09	5.06	5.12	107159	107159	1	200	21431782	
	3	5.29	5.26	5.32	83836	83836	1	200	16767234	
	4	5.48	5.45	5.51	209704	209704	1	200	41940712	
	5	5.70	5.67	5.73	74961	74961	1	200	14992210	
	6	6.13	6.10	6.16	58055	58055	1	200	11610905	

ASX67 0052

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 1P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/6/12 7/6/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.70	5.67	5.73	240732	240732	1	200	48146392	
	2	5.75	5.72	5.78	206752	206752	1	200	41350336	
	3	5.90	5.87	5.93	137966	137966	1	200	27593160	
	4	5.97	5.94	6.00	36594	36594	1	200	7318865	
	5	6.13	6.10	6.16	67756	67756	1	200	13551260	
	6	6.33	6.30	6.36	472741	472741	1	200	94548208	

FORM VI-3

ASX67 0053

File Name: V:\CP20\1p20188b.CAL
Version: 13

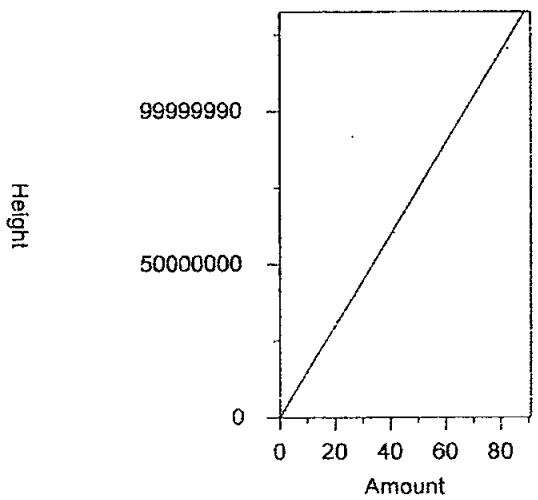
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.844 minutes
Search window: 0.02 minutes
No retention time reference component
No response proxy component
Group number: 0

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

Single peak quantification by height

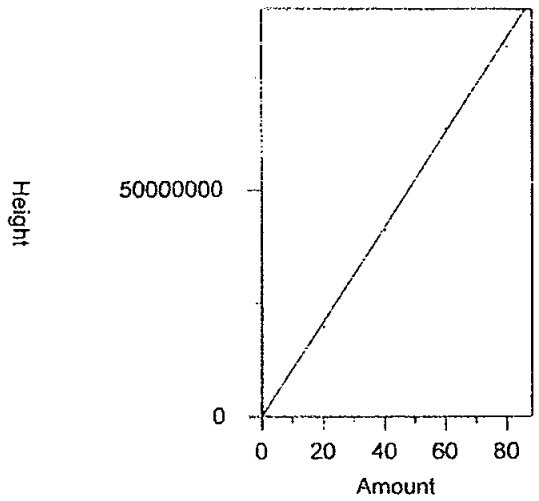
Y = 1495556 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9987129
Average error: 1.800%
Average CF: 1495556
RSD: 2.210%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.126	6322998	1532477	2.469	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0006.BND
2	20.63	3.140524E+07	1522309	1.789	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0007.BND
3	41.26	6.041039E+07	1464140	-2.101	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0008.BND
4	62.055	9.30327E+07	1499198	0.243	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0009.BND
5	82.52	1.20451E+08	1459658	-2.400	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0010.BND

2 DCB

ASX67 0054



Expected retention time:	6.49 minutes
Search window:	0.02 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 1046616 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9983538
Average error:	3.848%
Average CF:	1046616
RSD:	5.430%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4	4550996	1137749	8.707	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0006.BN1
2	20	1.972351E+07	986175.5	-5.775	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0007.BN1
3	40	4.12823E+07	1032058	-1.391	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0008.BN1
4	60.16	6.353843E+07	1056158	0.912	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0009.BN1
5	80	8.167534E+07	1020942	-2.453	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0010.BN1

ASX67 0055

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 2P20188

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

Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	3.04	3.04	3.04	3.04	3.04	3.04	3.02	3.06
Decachlorobiphenyl	6.80	6.81	6.81	6.81	6.80	6.80	6.78	6.82

ASX67 0056

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 2P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	CALIBRATION FACTORS						
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	%RSD
Tetrachloro-m-xylene	2.86E+05	2.61E+05	2.52E+05	2.54E+05	2.39E+05	2.58E+05	6.8
Decachlorobiphenyl	1.76E+05	1.47E+05	1.36E+05	1.35E+05	1.26E+05	1.44E+05	13.5

Average % RSD: 10.2

FORM VI-2

ASX67 0057

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 2P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.30	3.27	3.33	5498	4675	1	50	274904	13.7
					5122		2	100	512215	
					4587		3	200	917452	
					4241		4	500	2120420	
					3927		5	1000	3927011	
	2	3.64	3.61	3.67	6890	5871	1	50	344504	13.2
					6257		2	100	625696	
					5902		3	200	1180370	
					5460		4	500	2729981	
					4844		5	1000	4844386	
	3	3.86	3.83	3.89	7758	6813	1	50	387894	11.9
					7502		2	100	750182	
					6625		3	200	1324939	
					6389		4	500	3194564	
					5789		5	1000	5788977	
	4	3.92	3.89	3.95	7078	6179	1	50	353903	11.3
					6621		2	100	662118	
					6098		3	200	1219551	
					5819		4	500	2909403	
					5280		5	1000	5280280	
	5	3.99	3.96	4.02	4223	3741	1	50	211163	10.9
					4045		2	100	404482	
					3685		3	200	737084	
					3560		4	500	1780152	
					3189		5	1000	3189247	
	6	4.12	4.09	4.15	4845	4229	1	50	242245	12.4
					4627		2	100	462659	
					4218		3	200	843623	
					3914		4	500	1957135	
					3542		5	1000	3542066	
Aroclor-1221	1	3.19	3.16	3.22	2469	2469	1	200	493828	
	2	3.25	3.22	3.28	2113	2113	1	200	422569	
	3	3.30	3.27	3.33	6288	6288	1	200	1257575	
Aroclor-1232	1	3.30	3.27	3.33	6586	6586	1	200	1317135	
	2	3.64	3.61	3.67	3225	3225	1	200	644956	
	3	3.86	3.83	3.89	3775	3775	1	200	754911	
	4	3.93	3.90	3.96	3312	3312	1	200	662443	
	5	3.99	3.96	4.02	1805	1805	1	200	360993	
	6	4.13	4.10	4.16	2181	2181	1	200	436243	

FORM VI-3

ASX67 8858

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 2P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.30	3.27	3.33	3907	3907	1	200	781357	
	2	3.64	3.61	3.67	4852	4852	1	200	970488	
	3	3.86	3.83	3.89	5742	5742	1	200	1148476	
	4	3.93	3.90	3.96	4969	4969	1	200	993764	
	5	4.00	3.97	4.03	2963	2963	1	200	592604	
	6	4.13	4.10	4.16	3621	3621	1	200	724275	
Aroclor-1248	1	3.99	3.96	4.02	6300	5334	1	50	315001	13.4
					5687		2	100	568731	
					5343		3	200	1068570	
					4882		4	500	2441085	
					4455		5	1000	4455362	
	2	4.12	4.09	4.15	7078	6149	1	50	353902	11.7
					6565		2	100	656539	
					6199		3	200	1239814	
					5613		4	500	2806423	
					5289		5	1000	5288618	
	3	4.22	4.19	4.25	6235	5482	1	50	311758	10.2
					5658		2	100	565845	
					5664		3	200	1132886	
					4977		4	500	2488423	
					4873		5	1000	4872875	
	4	4.40	4.37	4.43	5288	4797	1	50	264376	9.1
					5155		2	100	515489	
					4710		3	200	942097	
					4623		4	500	2311714	
					4206		5	1000	4206375	
	5	4.54	4.51	4.57	6586	5550	1	50	329318	14.2
					5872		2	100	587153	
					5704		3	200	1140819	
					5062		4	500	2531025	
					4526		5	1000	4525936	
	6	4.81	4.78	4.84	4570	3994	1	50	228493	10.9
					4127		2	100	412717	
					4153		3	200	830604	
					3589		4	500	1794350	
					3532		5	1000	3532325	

ASX67 8859

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 2P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.55	4.52	4.58	11939	10213	1	50	596967	11.8
					10836		2	100	1083601	
					10075		3	250	2518823	
					9153		4	500	4576559	
					9060		5	1000	9059825	
	2	4.75	4.72	4.78	7313	6584	1	50	365634	8.5
					6984		2	100	698352	
					6480		3	250	1619984	
					6161		4	500	3080250	
					5982		5	1000	5982267	
	3	4.81	4.78	4.84	13982	12550	1	50	699112	9.2
					13498		2	100	1349792	
					12303		3	250	3075829	
					11624		4	500	5811924	
					11345		5	1000	11344878	
	4	5.03	5.00	5.06	11343	9930	1	50	567140	10.6
					10662		2	100	1066234	
					9713		3	250	2428356	
					8990		4	500	4494852	
					8943		5	1000	8942563	
	5	5.23	5.20	5.26	8916	7756	1	50	445798	11.3
					8357		2	100	835732	
					7615		3	250	1903702	
					7040		4	500	3520122	
					6854		5	1000	6853581	
	6	5.35	5.32	5.38	11581	10004	1	50	579062	10.7
					10608		2	100	1060833	
					9552		3	250	2387962	
					9158		4	500	4578937	
					9119		5	1000	9119452	

ASX67 0069

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 2P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	5.14	5.11	5.17	13925	12006	1	50	696225	12.3
					12960		2	100	1296000	
					11817		3	200	2363423	
					11174		4	500	5587153	
					10152		5	1000	10152479	
	2	5.23	5.20	5.26	6336	5696	1	50	316782	9.9
					6181		2	100	618056	
					5574		3	200	1114887	
					5429		4	500	2714658	
					4958		5	1000	4957941	
	3	5.35	5.32	5.38	14989	13126	1	50	749474	10.2
					13933		2	100	1393311	
					12536		3	200	2507108	
					12612		4	500	6306218	
					11559		5	1000	11559270	
	4	5.41	5.38	5.44	8526	7297	1	50	426315	12.4
					7713		2	100	771262	
					7306		3	200	1461248	
					6791		4	500	3395347	
					6148		5	1000	6148109	
	5	6.02	5.99	6.05	10980	9803	1	50	549024	9.1
					10316		2	100	1031568	
					9668		3	200	1933677	
					9404		4	500	4702120	
					8647		5	1000	8646832	
	6	6.45	6.42	6.48	5245	4475	1	50	262234	13.2
					4889		2	100	488888	
					4348		3	200	869528	
					4105		4	500	2052746	
					3790		5	1000	3789923	
Aroclor-1262	1	5.14	5.11	5.17	9924	9924	1	200	1984814	
	2	5.41	5.38	5.44	12920	12920	1	200	2583948	
	3	5.58	5.55	5.61	8928	8928	1	200	1785574	
	4	5.82	5.79	5.85	24333	24333	1	200	4866603	
	5	6.02	5.99	6.05	13576	13576	1	200	2715133	
	6	6.46	6.43	6.49	8191	8191	1	200	1638266	

ASX67 0061

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 2P20188

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	6.02	5.99	6.05	26430	26430	1	200	5286044	
	2	6.08	6.05	6.11	22785	22785	1	200	4557099	
	3	6.21	6.18	6.24	20664	20664	1	200	4132724	
	4	6.28	6.25	6.31	5625	5625	1	200	1124988	
	5	6.46	6.43	6.49	9421	9421	1	200	1884288	
	6	6.66	6.63	6.69	59228	59228	1	200	11845632	

ASX67 8052

File Name: V:\CP20\2p20188.CAL
Version: 2

Cal update for 1248 Files: 3p20188 ins 4-10.

Calibrated By: Jessica L. Miller
Chemist

JUL 09 2012

Creator:
Description:
Reason for change:

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

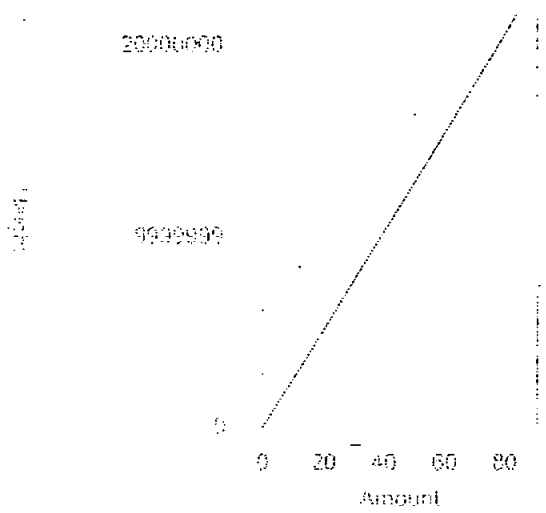
Audited By: Lisa A. Reinert
Chemist

JUL 09 2012

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

All levels are normal data points.

1 TCX



Expected retention time:	3.037 minutes
Search window:	0.02 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.1
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 258201.2 X + 0

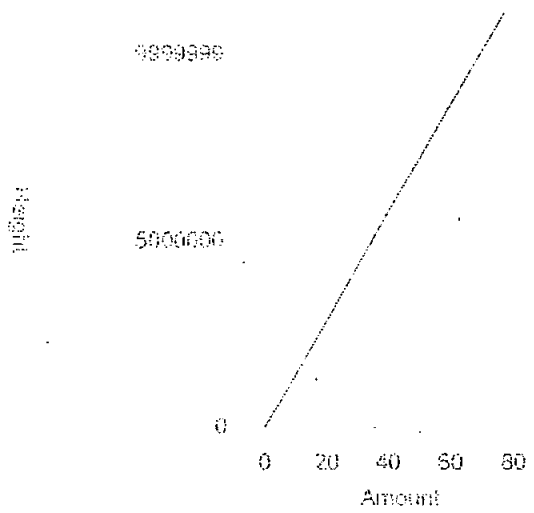
Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9876274
Average error:	4.729%
Average CF:	258201.2
RSD:	6.821%

Level	Amount	Response	Cal Factor	Error, %	Source	I
1	4.126	1181062	286248.7	10.863	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0006.BND	7
2	20.63	5377798	260678.5	0.959	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0007.BND	7
3	41.26	1.03784E+07	251536.6	-2.581	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0008.BND	7
4	62.055	1.576051E+07	253976.5	-1.636	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0009.BND	7
5	82.52	1.968645E+07	238565.8	-7.605	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0010.BND	7

2 DCB

ASX67 0063



Expected retention time:	6.802 minutes
Search window:	0.02 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 144055.9 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9574543
Average error:	9.802%
Average CF:	144055.9
RSD:	13.462%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4	704228	176057	22.214	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0006.BND
2	20	2947109	147355.5	2.290	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0007.BND
3	40	5421439	135536	-5.914	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0008.BND
4	60.16	8123798	135036.5	-6.261	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0009.BND
5	80	1.010356E+07	126294.5	-12.330	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0010.BND

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 2P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.53E+06	1.52E+06	1.46E+06	1.50E+06	1.46E+06	1.50E+06	2.2
Decachlorobiphenyl	1.14E+06	9.86E+05	1.03E+06	1.06E+06	1.02E+06	1.05E+06	5.4

Average % RSD: 3.8

ASX67 9965

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 2P20188B

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

Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.84	2.85	2.85	2.85	2.85	2.84	2.82	2.86
Decachlorobiphenyl	6.49	6.49	6.49	6.49	6.49	6.49	6.47	6.51

ASX67 0066

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 2P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.14	3.11	3.17	27650	24126	1	50	1382487	11.5
					25965		2	100	2596459	
					23774		3	200	4754734	
					22672		4	500	11335994	
					20570		5	1000	20570188	
	2	3.48	3.45	3.51	33183	29496	1	50	1659152	9.9
					31100		2	100	3110002	
					29548		3	200	5909667	
					28197		4	500	14098250	
					25450		5	1000	25449812	
	3	3.68	3.65	3.71	36844	33483	1	50	1842217	7.2
					34820		2	100	3482045	
					32181		3	200	6436169	
					33001		4	500	16500482	
					30566		5	1000	30566040	
	4	3.75	3.72	3.78	37011	34611	1	50	1850528	5.8
					36306		2	100	3630620	
					33840		3	200	6768024	
					33741		4	500	16870466	
					32155		5	1000	32155116	
	5	3.82	3.79	3.85	24976	21611	1	50	1248793	10.2
					22516		2	100	2251559	
					20695		3	200	4138968	
					20499		4	500	10249566	
					19367		5	1000	19367472	
	6	3.93	3.90	3.96	33336	28369	1	50	1666783	11.2
					29631		2	100	2963099	
					26619		3	200	5323829	
					26961		4	500	13480280	
					25301		5	1000	25301078	
Aroclor-1221	1	3.02	2.99	3.05	13297	13297	1	200	2659469	
	2	3.08	3.05	3.11	9637	9637	1	200	1927463	
	3	3.14	3.11	3.17	33462	33462	1	200	6692332	
Aroclor-1232	1	3.14	3.11	3.17	33291	33291	1	200	6658164	
	2	3.48	3.45	3.51	15634	15634	1	200	3126757	
	3	3.68	3.65	3.71	17402	17402	1	200	3480461	
	4	3.75	3.72	3.78	17794	17794	1	200	3558764	
	5	3.82	3.79	3.85	3082	3082	1	200	616312	
	6	3.93	3.90	3.96	13134	13134	1	200	2626850	

FORM VI-3

ASX67 0057

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 2P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.14	3.11	3.17	19980	19980	1	200	3996074	
	2	3.48	3.45	3.51	23547	23547	1	200	4709445	
	3	3.68	3.65	3.71	26135	26135	1	200	5226923	
	4	3.75	3.72	3.78	27155	27155	1	200	5430974	
	5	3.82	3.79	3.85	5018	5018	1	200	1003606	
	6	3.93	3.90	3.96	22379	22379	1	200	4475806	
Aroclor-1248	1	3.82	3.79	3.85	30993	27607	1	50	1549632	7.4
					27733		2	100	2773297	
					27168		3	200	5433675	
					26398		4	500	13198790	
					25745		5	1000	25744870	
	2	3.93	3.90	3.96	44782	40286	1	50	2239113	7.4
					41507		2	100	4150732	
					39635		3	200	7927051	
					38062		4	500	19031030	
					37443		5	1000	37443212	
	3	4.17	4.14	4.20	60114	57000	1	50	3005708	4.0
					58533		2	100	5853296	
					56266		3	200	11253180	
					55496		4	500	27747750	
					54592		5	1000	54591512	
	4	4.50	4.47	4.53	20311	18286	1	50	1015568	8.2
					19130		2	100	1912991	
					18279		3	200	3655738	
					17062		4	500	8531186	
					16646		5	1000	16646010	
	5	4.57	4.54	4.60	29032	26022	1	50	1451581	7.3
					26497		2	100	2649669	
					25725		3	200	5144947	
					24687		4	500	12343550	
					24168		5	1000	24168240	
	6	4.74	4.71	4.77	24909	22733	1	50	1245442	6.9
					23687		2	100	2368664	
					22374		3	200	4474822	
					21132		4	500	10566100	
					21563		5	1000	21563290	

FORM VI-3

ASX67 2868

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 2P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.50	4.47	4.53	49685	45938	1	50	2484236	6.6
					48230		2	100	4822958	
					45652		3	250	11413089	
					43476		4	500	21738042	
					42645		5	1000	42645424	
	2	4.57	4.54	4.60	81331	78059	1	50	4066558	2.9
					78901		2	100	7890119	
					78294		3	250	19573618	
					76235		4	500	38117644	
					75532		5	1000	75531608	
	3	4.74	4.71	4.77	65853	64455	1	50	3292668	1.4
					64372		2	100	6437233	
					64368		3	250	16091881	
					63402		4	500	31700802	
					64282		5	1000	64282016	
	4	4.81	4.78	4.84	42802	41281	1	50	2140093	3.4
					42528		2	100	4252758	
					41013		3	250	10253281	
					40739		4	500	20369574	
					39321		5	1000	39320876	
	5	4.98	4.95	5.01	41261	41281	1	50	2063062	1.9
					42479		2	100	4247850	
					40571		3	250	10142784	
					40556		4	500	20277842	
					41536		5	1000	41536156	
	6	5.06	5.03	5.09	64605	64652	1	50	3230269	1.4
					65967		2	100	6596712	
					63771		3	250	15942716	
					65069		4	500	32534386	
					63847		5	1000	63847412	

ASX67 9869

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 2P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.81	4.78	4.84	99111	96296	1	50	4955544	3.6
					99595		2	100	9959464	
					94280		3	200	18856022	
					97120		4	500	48559784	
					91374		5	1000	91373640	
	2	4.92	4.89	4.95	74276	69592	1	50	3713790	4.1
					69915		2	100	6991506	
					68742		3	200	13748468	
					68139		4	500	34069272	
					66886		5	1000	66886200	
	3	5.06	5.03	5.09	74337	72927	1	50	3716832	2.1
					74614		2	100	7461437	
					72862		3	200	14572408	
					71256		4	500	35627980	
					71568		5	1000	71568144	
	4	5.29	5.26	5.32	56075	53785	1	50	2803731	3.6
					55550		2	100	5554950	
					52198		3	200	10439640	
					53198		4	500	26599204	
					51905		5	1000	51904696	
	5	5.48	5.45	5.51	153028	154693	1	50	7651404	2.3
					151685		2	100	15168520	
					152674		3	200	30534736	
					155473		4	500	77736320	
					160603		5	1000	160603376	
	6	6.13	6.10	6.16	33267	31316	1	50	1663326	4.4
					31588		2	100	3158789	
					30537		3	200	6107413	
					31568		4	500	15783979	
					29619		5	1000	29618518	
Aroclor-1262	1	4.92	4.89	4.95	60436	60436	1	200	12087130	
	2	5.09	5.06	5.12	107159	107159	1	200	21431782	
	3	5.29	5.26	5.32	83836	83836	1	200	16767234	
	4	5.48	5.45	5.51	209704	209704	1	200	41940712	
	5	5.70	5.67	5.73	74961	74961	1	200	14992210	
	6	6.13	6.10	6.16	58055	58055	1	200	11610905	

ASX67 8878

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 2P20188B

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date(s) Analyzed: 7/9/12 7/9/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.70	5.67	5.73	240732	240732	1	200	48146392	
	2	5.75	5.72	5.78	206752	206752	1	200	41350336	
	3	5.90	5.87	5.93	137966	137966	1	200	27593160	
	4	5.97	5.94	6.00	36594	36594	1	200	7318865	
	5	6.13	6.10	6.16	67756	67756	1	200	13551260	
	6	6.33	6.30	6.36	472741	472741	1	200	94548208	

ASX67 0071

File Name: V:\CP20\2P20188b.CAL
Version: 2

Creator:
Description:
Reason for change:

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

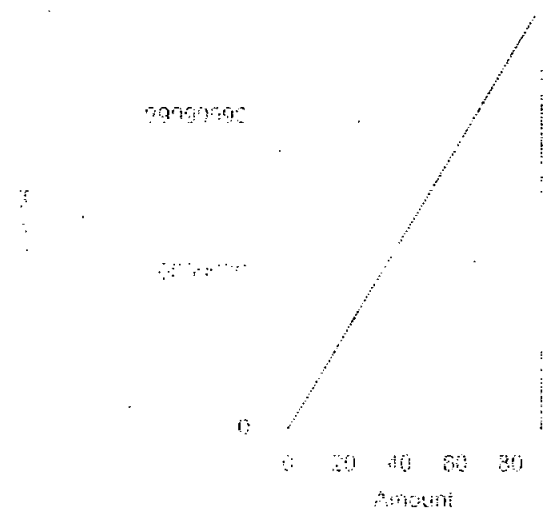
Calibrated By: Jessica L. Miller
Chemist
JUL 09 2012

Audited By: Lisa A. Reinert
Chemist
JUL 09 2012

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:	2.844 minutes
Search window:	0.02 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.1
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 1495556 X + 0

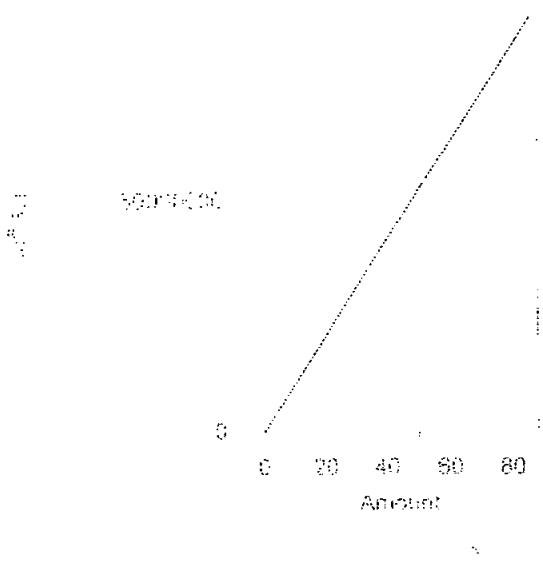
Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9987129
Average error:	1.800%
Average CF:	1495556
RSD:	2.210%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and ti
1	4.126	6322998	1532477	2.469	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0006.BND	7/8/2012 3:
2	20.63	3.140524E+07	1522309	1.789	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0007.BND	7/8/2012 3:
3	41.26	6.041039E+07	1464140	-2.101	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0008.BND	7/8/2012 3:
4	62.055	9.30327E+07	1499198	0.243	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0009.BND	7/8/2012 3:
5	82.52	1.20451E+08	1459658	-2.400	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0010.BND	7/8/2012 3:

2 DCB

ASX67 8872



Expected retention time:	6.49 minutes
Search window:	0.02 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 1046616 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9983538
Average error:	3.848%
Average CF:	1046616
RSD:	5.430%

Level	Amount	Response	Cal Factor	Error, %	Source	Date
1	4	4550996	1137749	8.707	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0006.BND	7/8/2(
2	20	1.972351E+07	986175.5	-5.775	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0007.BND	7/8/2(
3	40	4.12823E+07	1032058	-1.391	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0008.BND	7/8/2(
4	60.16	6.353843E+07	1056158	0.912	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0009.BND	7/8/2(
5	80	8.167534E+07	1020942	-2.453	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188B.0010.BND	7/8/2(

ASX67 8873

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: H5088A
Calibration File: 1P7190
GC Column (1): RTXCLPI
ID: 0.32 (mm)
Update File: 1P7190.031.RAW
Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	3.86	3.86	3.86	3.86	3.86	3.85	3.82	3.88
Decachlorobiphenyl	9.26	9.27	9.27	9.26	9.26	9.26	9.23	9.29

FORM VI-1

ASX67 8874

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088A Calibration File: 1P7190

GC Column (1) : RTXCLPI ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.34E+04	1.10E+04	1.02E+04	9.63E+03	9.11E+03	1.07E+04	15.9
Decachlorobiphenyl	8.08E+03	6.22E+03	5.55E+03	5.29E+03	4.95E+03	6.02E+03	20.7

Average % RSD: 18.3

ASX67 0075

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088A Calibration File: 1P7190

GC Column (1) : RTXCLPI ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	4.20	4.17	4.23	261	215	1	50	13034	16.9
					236		2	100	23613	
					217		3	200	43406	
					189		4	500	94548	
					170		5	1000	169793	
	2	4.67	4.64	4.70	292	241	1	50	14609	16.4
					264		2	100	26369	
					243		3	200	48543	
					213		4	500	106695	
					192		5	1000	192398	
	3	4.92	4.89	4.95	528	443	1	50	26385	14.9
					487		2	100	48661	
					442		3	200	88458	
					396		4	500	197894	
					365		5	1000	364659	
	4	4.98	4.95	5.01	222	176	1	50	11097	19.5
					196		2	100	19607	
					175		3	200	34958	
					149		4	500	74592	
					137		5	1000	137489	
	5	5.06	5.03	5.09	242	204	1	50	12123	14.3
					220		2	100	22038	
					206		3	200	41202	
					186		4	500	93153	
					167		5	1000	167216	
	6	5.32	5.29	5.35	214	179	1	50	10710	15.6
					195		2	100	19493	
					181		3	200	36173	
					160		4	500	80144	
					144		5	1000	143546	
Aroclor-1221	1	4.06	4.03	4.09	111	111	1	200	22124	
	2	4.14	4.11	4.17	92	92	1	200	18470	
	3	4.21	4.18	4.24	267	267	1	200	53384	
Aroclor-1232	1	4.21	4.18	4.24	259	259	1	200	51830	
	2	4.68	4.65	4.71	112	112	1	200	22381	
	3	4.93	4.90	4.96	221	221	1	200	44105	
	4	4.98	4.95	5.01	97	97	1	200	19457	
	5	5.07	5.04	5.10	40	40	1	200	8012	
	6	5.33	5.30	5.36	72	72	1	200	14495	

ASX67 0076

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088A Calibration File: 1P7190

GC Column (1) : RTXCLPI ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	4.21	4.18	4.24	154	154	1	200	30777	
	2	4.67	4.64	4.70	168	168	1	200	33627	
	3	4.93	4.90	4.96	330	330	1	200	66032	
	4	4.98	4.95	5.01	143	143	1	200	28697	
	5	5.06	5.03	5.09	69	69	1	200	13810	
	6	5.33	5.30	5.36	117	117	1	200	23440	
Aroclor-1248	1	4.93	4.90	4.96	253	227	1	50	12630	8.8
					230		2	100	23013	
					222		3	200	44453	
					234		4	500	116980	
					198		5	1000	197662	
	2	5.20	5.17	5.23	135	120	1	50	6772	11.6
					126		2	100	12576	
					122		3	200	24484	
					120		4	500	60076	
					98		5	1000	97707	
	3	5.33	5.30	5.36	276	237	1	50	13809	13.2
					252		2	100	25234	
					237		3	200	47377	
					225		4	500	112741	
					192		5	1000	192071	
	4	5.45	5.42	5.48	195	169	1	50	9753	12.2
					177		2	100	17717	
					169		3	200	33781	
					166		4	500	83248	
					138		5	1000	138101	
	5	6.17	6.14	6.20	135	119	1	50	6763	10.8
					120		2	100	12040	
					119		3	200	23766	
					119		4	500	59666	
					99		5	1000	99101	
	6	6.43	6.40	6.46	104	99	1	50	5206	9.3
					94		2	100	9427	
					95		3	200	19096	
					112		4	500	55901	
					88		5	1000	88471	

FORM VI-3

ASX67 0077

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088A Calibration File: 1P7190

GC Column (1) : RTXCLPI ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	5.85	5.82	5.88	361	292	1	50	18049	17.5
					323		2	100	32306	
					280		3	250	69977	
					266		4	500	132870	
					229		5	1000	229356	
	2	6.17	6.14	6.20	436	368	1	50	21804	15.0
					407		2	100	40705	
					359		3	250	89693	
					342		4	500	171176	
					295		5	1000	295409	
	3	6.42	6.39	6.45	342	299	1	50	17119	12.4
					323		2	100	32280	
					302		3	250	75416	
					284		4	500	142140	
					245		5	1000	245449	
	4	6.57	6.54	6.60	234	199	1	50	11706	15.6
					222		2	100	22186	
					197		3	250	49371	
					183		4	500	91636	
					156		5	1000	156372	
	5	6.66	6.63	6.69	229	208	1	50	11472	9.7
					223		2	100	22269	
					206		3	250	51496	
					203		4	500	101422	
					178		5	1000	177800	
	6	6.80	6.77	6.83	360	311	1	50	18011	13.2
					340		2	100	34035	
					308		3	250	77051	
					293		4	500	146536	
					255		5	1000	254958	

ASX67 0078

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088A Calibration File: 1P7190

GC Column (1) : RTXCLPI ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	6.32	6.29	6.35	405	327	1	50	20259	18.2
					362		2	100	36206	
					327		3	200	65451	
					286		4	500	142946	
					255		5	1000	255062	
	2	6.55	6.52	6.58	491	392	1	50	24538	18.7
					433		2	100	43268	
					391		3	200	78217	
					341		4	500	170518	
					305		5	1000	305244	
	3	6.80	6.77	6.83	510	412	1	50	25487	17.2
					447		2	100	44720	
					412		3	200	82407	
					367		4	500	183288	
					327		5	1000	326809	
	4	7.07	7.04	7.10	306	259	1	50	15292	14.6
					279		2	100	27917	
					264		3	200	52860	
					233		4	500	116404	
					211		5	1000	210531	
	5	7.38	7.35	7.41	669	569	1	50	33462	13.9
					616		2	100	61586	
					569		3	200	113736	
					521		4	500	260633	
					468		5	1000	467565	
	6	7.68	7.65	7.71	351	294	1	50	17528	14.6
					318		2	100	31783	
					296		3	200	59104	
					264		4	500	132109	
					242		5	1000	241713	
Aroclor-1262	1	6.55	6.52	6.58	273	273	1	200	54527	
	2	6.87	6.84	6.90	310	310	1	200	62050	
	3	7.07	7.04	7.10	304	304	1	200	60734	
	4	7.38	7.35	7.41	703	703	1	200	140619	
	5	7.68	7.65	7.71	393	393	1	200	78558	
	6	8.45	8.42	8.48	275	275	1	200	54941	

ASX67 0029

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088A Calibration File: 1P7190

GC Column (1) : RTXCLPI ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	7.68	7.65	7.71	889	889	1	200	177846	
	2	7.77	7.74	7.80	784	784	1	200	156761	
	3	8.00	7.97	8.03	808	808	1	200	161572	
	4	8.11	8.08	8.14	200	200	1	200	39991	
	5	8.46	8.43	8.49	353	353	1	200	70659	
	6	8.90	8.87	8.93	2203	2203	1	200	440564	

ASX67 9888

File Name: V:\CP7\1p7190.CAL
Version: 10

Creator:
Description:
Reason for change:

Calibrated By: Jessica L. Miller
Jessica L. Miller
Chemist

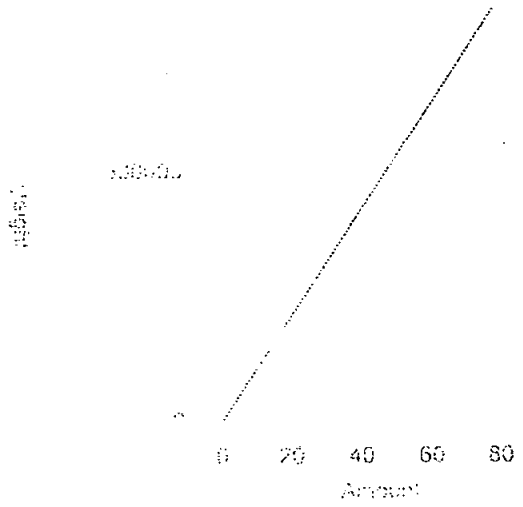
JUL 08 2012

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: 3.854 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 = 10684.11 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9306259
Average error: 11.575%
Average CF: 10684.11
RSD: 15.862%

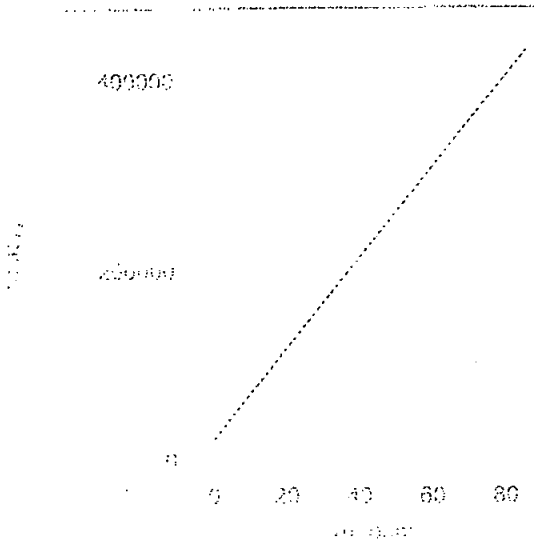
Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	4.126	55441.98	13437.22	25.768	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.006.BND	7/8/2012 5:04:57 PM
2	20.63	227397.5	11022.66	3.169	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.007.BND	7/8/2012 5:19:29 PM
3	41.26	421517	10216.12	-4.380	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.008.BND	7/8/2012 5:34:17 PM
4	62.055	597591.1	9630.023	-9.866	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.009.BND	7/8/2012 5:48:47 PM
5	82.52	752131.6	9114.538	-14.691	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.010.BND	7/8/2012 6:03:33 PM

2 DCB

audited by:
Monica M. Souders
Monica M. Souders
Chemist

JUL 09 2012

ASX67 8881



Expected retention time:	9.258 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 = 4783.165 X + 23319.22

Linear fit with equal weighting	
Coefficient of determination:	0.9960351
Average error:	7.325%
Average CF:	6019.952
RSD:	20.682%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	4	32339.62	8084.905	-23.821	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.006.BND	7/8/2012 5:04:5
2	20	124432.5	6221.625	4.580	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.007.BND	7/8/2012 5:19:2
3	40	222194.9	5554.873	3.517	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.008.BND	7/8/2012 5:34:1
4	60.16	318109.2	5287.719	2.261	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.009.BND	7/8/2012 5:48:4
5	80	396050.9	4950.636	-2.444	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.010.BND	7/8/2012 6:03:3

ASX67 8882

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: H5088B
Calibration File: 1P7190B
GC Column (2) : RTXCLPII
ID: 0.32 (mm)
Update File: 1P7190B.031.RAW
Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	RT OF STANDARDS					MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	RT	FROM	TO
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.70	3.69	3.66	3.72
Decachlorobiphenyl	8.72	8.72	8.72	8.71	8.72	8.71	8.68	8.74

FORM VI-1

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088B Calibration File: 1P7190B

GC Column (2) : RTXCLPII ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	3.67E+03	3.75E+03	3.72E+03	3.68E+03	3.59E+03	3.68E+03	1.6
Decachlorobiphenyl	4.90E+03	3.88E+03	3.57E+03	3.37E+03	3.22E+03	3.79E+03	17.7

Average % RSD: 9.7

ASX67 0084

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088B Calibration File: 1P7190B

GC Column (2) : RTXCLPII ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	4.08	4.05	4.11	88	78	1	50	4415	9.6
					83		2	100	8260	
					78		3	200	15644	
					74		4	500	37100	
					69		5	1000	68756	
	2	4.38	4.35	4.41	154	132	1	50	7703	13.2
					142		2	100	14162	
					133		3	200	26663	
					121		4	500	60749	
					109		5	1000	109322	
	3	4.55	4.52	4.58	105	96	1	50	5264	7.8
					100		2	100	10015	
					96		3	200	19227	
					92		4	500	45903	
					86		5	1000	85770	
	4	4.77	4.74	4.80	236	216	1	50	11782	7.7
					225		2	100	22506	
					217		3	200	43429	
					208		4	500	104022	
					192		5	1000	192354	
	5	5.01	4.98	5.04	63	55	1	50	3138	10.6
					58		2	100	5752	
					55		3	200	11098	
					51		4	500	25250	
					48		5	1000	47981	
	6	5.30	5.27	5.33	73	69	1	50	3669	4.9
					70		2	100	7016	
					69		3	200	13776	
					67		4	500	33606	
					64		5	1000	64258	
Aroclor-1221	1	3.92	3.89	3.95	41	41	1	200	8275	
	2	4.01	3.98	4.04	34	34	1	200	6711	
	3	4.08	4.05	4.11	106	106	1	200	21191	
Aroclor-1232	1	4.08	4.05	4.11	104	104	1	200	20763	
	2	4.38	4.35	4.41	69	69	1	200	13829	
	3	4.55	4.52	4.58	51	51	1	200	10134	
	4	4.77	4.74	4.80	108	108	1	200	21592	
	5	5.02	4.99	5.05	26	26	1	200	5177	
	6	5.31	5.28	5.34	33	33	1	200	6617	

ASX67 0085

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088B Calibration File: 1P7190B

GC Column (2): RTXCLPII ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	4.08	4.05	4.11	60	60	1	200	12077	
	2	4.38	4.35	4.41	96	96	1	200	19113	
	3	4.55	4.52	4.58	71	71	1	200	14274	
	4	4.77	4.74	4.80	165	165	1	200	33077	
	5	5.01	4.98	5.04	43	43	1	200	8685	
	6	5.31	5.28	5.34	55	55	1	200	10987	
Aroclor-1248	1	4.77	4.74	4.80	111	107	1	50	5548	6.3
					108		2	100	10797	
					104		3	200	20864	
					114		4	500	57043	
					97		5	1000	96707	
	2	5.02	4.99	5.05	69	63	1	50	3439	8.1
					64		2	100	6357	
					63		3	200	12611	
					65		4	500	32466	
					55		5	1000	54799	
	3	5.17	5.14	5.20	112	93	1	50	5606	19.6
					106		2	100	10627	
					100		3	200	20029	
					72		4	500	35802	
					76		5	1000	76007	
	4	5.31	5.28	5.34	82	77	1	50	4080	5.5
					78		2	100	7825	
					78		3	200	15660	
					74		4	500	37035	
					71		5	1000	70704	
	5	5.99	5.96	6.02	67	63	1	50	3338	6.6
					63		2	100	6347	
					61		3	200	12222	
					66		4	500	33138	
					57		5	1000	56710	
	6	6.20	6.17	6.23	53	50	1	50	2636	6.2
					51		2	100	5109	
					51		3	200	10113	
					50		4	500	25135	
					45		5	1000	44591	

ASX67 8886

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088B Calibration File: 1P7190B

GC Column (2) : RTXCLPII ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	5.49	5.46	5.52	200	178	1	50	10021	10.4
					190		2	100	18991	
					176		3	250	43989	
					171		4	500	85454	
					152		5	1000	152165	
	2	5.99	5.96	6.02	248	220	1	50	12405	12.0
					239		2	100	23856	
					224		3	250	56013	
					206		4	500	103006	
					182		5	1000	182156	
	3	6.11	6.08	6.14	121	106	1	50	6032	11.2
					113		2	100	11324	
					105		3	250	26280	
					102		4	500	51125	
					89		5	1000	89134	
	4	6.20	6.17	6.23	165	149	1	50	8228	9.0
					158		2	100	15814	
					149		3	250	37166	
					146		4	500	73151	
					129		5	1000	129132	
	5	6.42	6.39	6.45	93	93	1	50	4639	5.7
					98		2	100	9848	
					94		3	250	23486	
					94		4	500	46815	
					84		5	1000	84106	
	6	6.58	6.55	6.61	191	177	1	50	9558	7.7
					186		2	100	18603	
					177		3	250	44189	
					175		4	500	87318	
					156		5	1000	155663	

ASX67 8887

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088B Calibration File: 1P7190B

GC Column (2) : RTXCLPII ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	6.28	6.25	6.31	252	213	1	50	12580	13.6
					230		2	100	22955	
					214		3	200	42745	
					195		4	500	97278	
					178		5	1000	177556	
	2	6.42	6.39	6.45	215	191	1	50	10735	9.1
					199		2	100	19946	
					193		3	200	38517	
					180		4	500	90156	
					169		5	1000	169326	
	3	6.58	6.55	6.61	137	126	1	50	6857	7.0
					130		2	100	13008	
					127		3	200	25496	
					123		4	500	61415	
					114		5	1000	113541	
	4	6.79	6.76	6.82	21	21	1	50	1050	1.4
					21		2	100	2122	
					21		3	200	4265	
					22		4	500	10828	
					22		5	1000	21705	
	5	7.07	7.04	7.10	382	338	1	50	19123	9.8
					355		2	100	35470	
					338		3	200	67507	
					317		4	500	158383	
					297		5	1000	296895	
	6	7.42	7.39	7.45	271	239	1	50	13568	10.0
					255		2	100	25505	
					223		3	200	44661	
					230		4	500	115123	
					213		5	1000	213263	
Aroclor-1262	1	6.42	6.39	6.45	158	158	1	200	31689	
	2	6.61	6.58	6.64	170	170	1	200	34019	
	3	6.84	6.81	6.87	209	209	1	200	41887	
	4	7.07	7.04	7.10	431	431	1	200	86299	
	5	7.42	7.39	7.45	314	314	1	200	62745	
	6	8.00	7.97	8.03	183	183	1	200	36628	

ASX67 0000

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088B Calibration File: 1P7190B

GC Column (2): RTXCLPII ID: 0.32 (mm) Date(s) Analyzed: 7/8/12 7/8/12

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	7.35	7.32	7.38	595	595	1	200	119052	
	2	7.42	7.39	7.45	575	575	1	200	114926	
	3	7.64	7.61	7.67	575	575	1	200	115001	
	4	7.75	7.72	7.78	142	142	1	200	28309	
	5	8.00	7.97	8.03	250	250	1	200	50009	
	6	8.37	8.34	8.40	1606	1606	1	200	321260	

FORM VI-3

ASX67 0889

File Name: V:\CP7\1p7190b.CAL
Version: 14

Creator:
Description:
Reason for change:

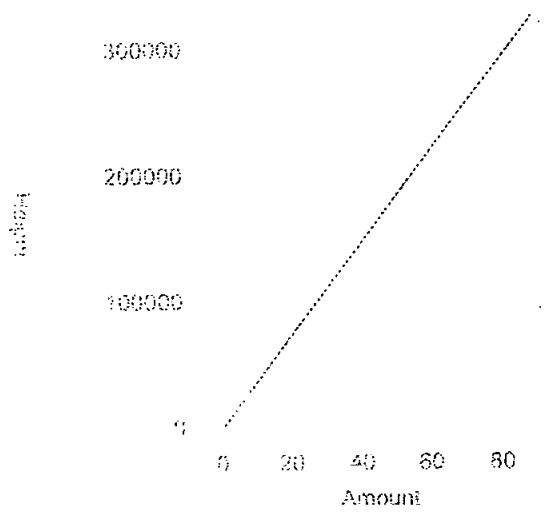
Calibrated By: Jessica L. Miller
Jessica L. Miller
Chemist
JUL 08 2012

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: 3.693 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 = 3683.27 X + 0

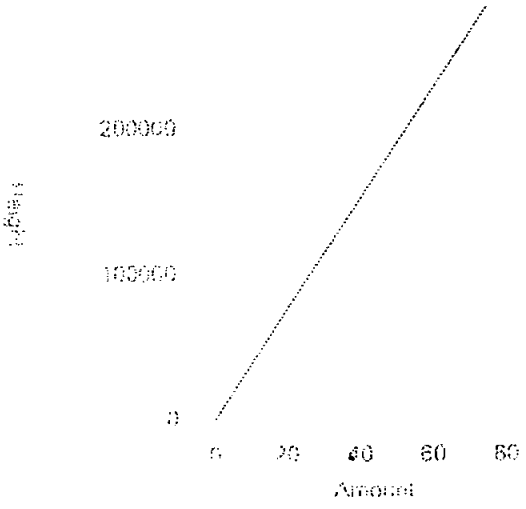
Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9987642
Average error: 1.129%
Average CF: 3683.27
RSD: 1.628%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	4.126	15157.61	3673.682	-0.260	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.006.BND	7/8/2012 5:05:01 PM
2	20.63	77305.25	3747.225	1.736	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.007.BND	7/8/2012 5:19:33 PM
3	41.26	153622.7	3723.284	1.086	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.008.BND	7/8/2012 5:34:21 PM
4	62.055	228459.4	3681.563	-0.046	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.009.BND	7/8/2012 5:48:51 PM
5	82.52	296295.9	3590.595	-2.516	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.010.BND	7/8/2012 6:03:37 PM

2 DCB

audited by:
Monica M. Souders
Chemist
JUL 09 2012

ASX67 9898



Expected retention time:	8.71 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 = 3791.3 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9228737
Average error:	12.718%
Average CF:	3791.3
RSD:	17.662%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	4	19619.64	4904.91	29.373	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.006.BND	7/8/2012 5:05:
2	20	77661.95	3883.098	2.421	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.007.BND	7/8/2012 5:19:
3	40	142831.5	3570.788	-5.816	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.008.BND	7/8/2012 5:34:
4	60.16	203012.7	3374.546	-10.992	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.009.BND	7/8/2012 5:48:
5	80	257852.5	3223.156	-14.985	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190B.010.BND	7/8/2012 6:03:

ASX67 0091

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/06/12 07/06/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/06/12

Lab File ID: 1P20188.0028.RAW Time Analyzed: 12:28

Lab Standard ID: IC16XAA Initial Calibration: 1P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	41.13	41.26	-0.3
Decachlorobiphenyl	6.81	6.78	6.82	38.09	40.00	-4.8
Aroclor-1016	3.30	3.27	3.33	213.41	200.20	6.6
	3.64	3.61	3.67			
	3.86	3.83	3.89			
	3.93	3.89	3.95			
	4.00	3.96	4.02			
	4.13	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	201.87	200.40	0.7
	5.24	5.20	5.26			
	5.35	5.32	5.38			
	5.41	5.38	5.44			
	6.03	5.99	6.05			
	6.46	6.42	6.48			

Compounds 14 Average of %D: 3.1

FORM VII

ASX67 8892

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342B Init. Calib Date(s): 07/06/12 07/06/12
GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/06/12
Lab File ID: 1P20188B.0028.RAW Time Analyzed: 12:28
Lab Standard ID: IC16XAA Initial Calibration: 1P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	41.29	41.26	0.1
Decachlorobiphenyl	6.49	6.47	6.51	40.51	40.00	1.3
Aroclor-1016	3.14	3.11	3.17	209.~~6~~188.39 (3)	200.20	-5.9 (3) 4.7
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.84	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	200.95	200.40	0.3
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: ~~1.9~~ (5) 1.6

(3) JM 28ST 8July12

FORM VII

ASX67 8893

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/06/12 07/06/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/06/12

Lab File ID: 1P20188.0030.RAW Time Analyzed: 12:51

Lab Standard ID: IC54XAA Initial Calibration: 1P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3:04	3.02	3.06	40.39	41.26	-2.1
Decachlorobiphenyl	6.81	6.78	6.82	36.45	40.00	-8.9
Aroclor-1254	4.54	4.52	4.58	249.76	250.75	-0.4
	4.74	4.72	4.78			
	4.81	4.78	4.84			
	5.03	5.00	5.06			
	5.23	5.20	5.26			
	5.35	5.32	5.38			

Compounds 8 Average of %D: 3.8

ASX67 0094

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/06/12 07/06/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/06/12

Lab File ID: 1P20188B.0030.RAW Time Analyzed: 12:51

Lab Standard ID: IC54XAA Initial Calibration: 1P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	41.80	41.26	1.3
Decachlorobiphenyl	6.49	6.47	6.51	38.66	40.00	-3.3
Aroclor-1254	4.50	4.47	4.53	257.10	250.75	2.5
	4.57	4.54	4.60			
	4.74	4.71	4.77			
	4.81	4.78	4.84			
	4.98	4.95	5.01			
	5.06	5.03	5.09			

Compounds 8 Average of %D: 2.4

FORM VII

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/09/12 07/09/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/09/12

Lab File ID: 3P20188.0009.RAW Time Analyzed: 1:17

Lab Standard ID: IC48XCD Initial Calibration: 2P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	38.63	41.26	-6.4
Decachlorobiphenyl	6.80	6.78	6.82	35.24	40.00	-11.9
Aroclor-1248	4.02	3.96	4.02	188.71 ~~178.29~~ (3)	200.00	~~-10.9~~ (3) -5.6
	4.12	4.09	4.15			
	4.22	4.19	4.25			
	4.38	4.37	4.43			
	4.54	4.51	4.57			
	4.81	4.78	4.84			

Compounds 8 Average of %D: ~~9.7~~ (3) 8.0

(3) Jessica L. Miller
Jessica L. Miller
Chemist

JUL 09 2012

ASX67 0896

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/09/12 07/09/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/09/12

Lab File ID: 3P20188B.0009.RAW Time Analyzed: 1:17

Lab Standard ID: IC48XCD Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	38.77	41.26	-6.0
Decachlorobiphenyl	6.49	6.47	6.51	29.45	40.00	-26.4
Aroclor-1248	3.82	3.79	3.85	157.37 ~~157.08~~ (3)	200.00	~~-21.5~~ (3) -6.3
	3.93	3.90	3.96			
	4.17	4.14	4.20			
	4.50	4.47	4.53			
	4.56	4.54	4.60			
	4.74	4.71	4.77			

Compounds 8 Average of %D: ~~18.0~~ (5) 12.9

(5) Jessica L. Miller
Jessica L. Miller
Chemist

JUL 09 2012

FORM VII

ASX67 0037

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: H5088A Init. Calib Date(s): 07/08/12 07/08/12
GC Column (1) : RTXCLPI ID: .32 (mm) Date Analyzed: 07/08/12
Lab File ID: 1P7190.032.RAW Time Analyzed: 23:25
Lab Standard ID: IC16XNB Initial Calibration: 1P7190

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.86	3.82	3.88	37.58	41.26	-8.9
Decachlorobiphenyl	9.26	9.23	9.29	40.69	40.00	1.7
Aroclor-1016	4.21	4.17	4.23	203.63	200.20	1.7
	4.67	4.64	4.70			
	4.93	4.89	4.95			
	4.98	4.95	5.01			
	5.06	5.03	5.09			
	5.33	5.29	5.35			
Aroclor-1260	6.32	6.29	6.35	193.25	200.40	-3.6
	6.55	6.52	6.58			
	6.80	6.77	6.83			
	7.07	7.04	7.10			
	7.38	7.35	7.41			
	7.68	7.65	7.71			

Compounds 14 Average of %D: 4.0

ASX67 8898

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: H5088B Init. Calib Date(s): 07/08/12 07/08/12
GC Column (2) : RTXCLPII ID: .32 (mm) Date Analyzed: 07/08/12
Lab File ID: 1P7190B.032.RAW Time Analyzed: 23:25
Lab Standard ID: IC16XNB Initial Calibration: 1P7190B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.70	3.66	3.72	42.07	41.26	2.0
Decachlorobiphenyl	8.72	8.68	8.74	37.50	40.00	-6.2
Aroclor-1016	4.08	4.05	4.11	210.09	200.20	4.9
	4.38	4.35	4.41			
	4.55	4.52	4.58			
	4.77	4.74	4.80			
	5.01	4.98	5.04			
	5.30	5.27	5.33			
Aroclor-1260	6.28	6.25	6.31	202.44	200.40	1.0
	6.42	6.39	6.45			
	6.58	6.55	6.61			
	6.79	6.76	6.82			
	7.07	7.04	7.10			
	7.42	7.39	7.45			

Compounds 14 Average of %D: 3.5

ASX67 8899

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: H5088A
Init. Calib Date(s): 07/08/12 07/08/12
GC Column (1) : RTXCLPI ID: .32 (mm)
Date Analyzed: 07/08/12
Lab File ID: 1P7190.033.RAW
Time Analyzed: 23:40
Lab Standard ID: IC48XCC
Initial Calibration: 1P7190

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.86	3.82	3.88	34.30	41.26	-16.9
Decachlorobiphenyl	9.26	9.23	9.29	38.58	40.00	-3.6
Aroclor-1248	4.93	4.90	4.96	197.12	200.00	-1.4
	5.19	5.17	5.23			
	5.33	5.30	5.36			
	5.45	5.42	5.48			
	6.17	6.14	6.20			
	6.43	6.40	6.46			

Compounds 8

Average of %D: 7.3

FORM VII

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: H5088B
Init. Calib Date(s): 07/08/12 07/08/12
GC Column (2) : RTXCLPII ID: .32 (mm)
Date Analyzed: 07/08/12
Lab File ID: 1P7190B.033.RAW
Time Analyzed: 23:40
Lab Standard ID: IC48XCC
Initial Calibration: 1P7190B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.70	3.66	3.72	39.82	41.26	-3.5
Decachlorobiphenyl	8.72	8.68	8.74	35.98	40.00	-10.0
Aroclor-1248	4.77	4.74	4.80	203.63	200.00	1.8
	5.01	4.99	5.05			
	5.17	5.14	5.20			
	5.31	5.28	5.34			
	5.99	5.96	6.02			
	6.20	6.17	6.23			

Compounds 8
Average of %D: 5.1

FORM VII
ASX67 8181

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: H5088A
Init. Calib Date(s): 07/08/12 07/08/12
GC Column (1) : RTXCLPI ID: .32 (mm)
Date Analyzed: 07/08/12
Lab File ID: 1P7190.034.RAW
Time Analyzed: 23:55
Lab Standard ID: IC54XAA
Initial Calibration: 1P7190

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.85	3.82	3.88	36.91	41.26	-10.5
Decachlorobiphenyl	9.26	9.23	9.29	39.20	40.00	-2.0
Aroclor-1254	5.85	5.82	5.88	251.97	250.75	0.5
	6.17	6.14	6.20			
	6.42	6.39	6.45			
	6.57	6.54	6.60			
	6.66	6.63	6.69			
	6.79	6.77	6.83			

Compounds 8
Average of %D: 4.3

FORM VII

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: H5088B Init. Calib Date(s): 07/08/12 07/08/12
GC Column (2) : RTXCLPII ID: .32 (mm) Date Analyzed: 07/08/12
Lab File ID: 1P7190B.034.RAW Time Analyzed: 23:55
Lab Standard ID: IC54XAA Initial Calibration: 1P7190B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.69	3.66	3.72	41.08	41.26	-0.4
Decachlorobiphenyl	8.71	8.68	8.74	36.84	40.00	-7.9
Aroclor-1254	5.49	5.46	5.52	259.51	250.75	3.5
	5.99	5.96	6.02			
	6.11	6.08	6.14			
	6.20	6.17	6.23			
	6.41	6.39	6.45			
	6.58	6.55	6.61			

Compounds 8 Average of %D: 3.9

ASX67 0183

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/06/12 07/06/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/06/12

Lab File ID: 1P20188.0048.RAW Time Analyzed: 16:16

Lab Standard ID: AR163QM Initial Calibration: 1P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	40.76	41.26	-1
Decachlorobiphenyl	6.81	6.78	6.82	36.53	40.00	-9
Aroclor-1016	3.30	3.27	3.33	197.49	200.00	-1
	3.64	3.61	3.67			
	3.86	3.83	3.89			
	3.93	3.89	3.95			
	3.99	3.96	4.02			
	4.13	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	183.40	200.00	-8
	5.23	5.20	5.26			
	5.35	5.32	5.38			
	5.41	5.38	5.44			
	6.02	5.99	6.05			
	6.46	6.42	6.48			

Compounds 14 Average of %D: 5

FORM VII

ASX67 8184

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/06/12 07/06/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/06/12

Lab File ID: 1P20188B.0048.RAW Time Analyzed: 16:16

Lab Standard ID: AR163QM Initial Calibration: 1P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	41.41	41.26	0
Decachlorobiphenyl	6.49	6.47	6.51	31.31	40.00	-22
Aroclor-1016	3.14	3.11	3.17	181.0 ~~479.35~~	200.00	~~-10~~ -9.5
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.76	3.72	3.78			
	3.82	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	161.02	200.00	-19
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: ~~-13~~ 12.6

MG 6 7-9-12

FORM VII

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/06/12 07/06/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/06/12

Lab File ID: 1P20188.0060.RAW Time Analyzed: 18:33

Lab Standard ID: AR163QN Initial Calibration: 1P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	42.30	41.26	3
Decachlorobiphenyl	6.80	6.78	6.82	39.14	40.00	-2
Aroclor-1016	3.30	3.27	3.33	201.44	200.00	1
	3.63	3.61	3.67			
	3.86	3.83	3.89			
	3.92	3.89	3.95			
	3.99	3.96	4.02			
	4.12	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	210.66	200.00	5
	5.23	5.20	5.26			
	5.35	5.32	5.38			
	5.41	5.38	5.44			
	6.02	5.99	6.05			
	6.45	6.42	6.48			

Compounds 14 Average of %D: 3

FORM VII

ASX67 0186

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/06/12 07/06/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/06/12

Lab File ID: 1P20188B.0060.RAW Time Analyzed: 18:33

Lab Standard ID: AR163QN Initial Calibration: 1P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	42.72	41.26	4
Decachlorobiphenyl	6.49	6.47	6.51	38.87	40.00	-3
Aroclor-1016	3.14	3.11	3.17	200.7 ~~199.68~~	200.00	~~0~~ .35
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.82	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	200.94	200.00	0
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: ~~2~~

1.8 KB
7-9-12

FORM VII

ASX67 8187

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/06/12 07/06/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/06/12

Lab File ID: 1P20188.0072.RAW Time Analyzed: 20:50

Lab Standard ID: AR163QO Initial Calibration: 1P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	41.53	41.26	1
Decachlorobiphenyl	6.80	6.78	6.82	37.67	40.00	-6
Aroclor-1016	3.30	3.27	3.33	194.10	200.00	-3
	3.63	3.61	3.67			
	3.86	3.83	3.89			
	3.92	3.89	3.95			
	3.99	3.96	4.02			
	4.12	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	197.84	200.00	-1
	5.23	5.20	5.26			
	5.35	5.32	5.38			
	5.41	5.38	5.44			
	6.02	5.99	6.05			
	6.45	6.42	6.48			

Compounds 14 Average of %D: 3

ASX67 0188

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/06/12 07/06/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/06/12

Lab File ID: 1P20188B.0072.RAW Time Analyzed: 20:50

Lab Standard ID: AR163QO Initial Calibration: 1P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.85	2.82	2.86	42.69	41.26	3
Decachlorobiphenyl	6.49	6.47	6.51	34.56	40.00	-14
Aroclor-1016	3.14	3.11	3.17	192.3 ~~190.86~~	200.00	~~-5~~ -3.9
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.82	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	182.16	200.00	-9
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.12	6.10	6.16			

Compounds 14 Average of %D: ~~-8~~ -7.5

7-9-12

ASX67 0189

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/09/12 07/09/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/10/12

Lab File ID: 5P20188.0005.RAW Time Analyzed: 18:37

Lab Standard ID: AR163RZ Initial Calibration: 2P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	41.79	41.26	1
Decachlorobiphenyl	6.81	6.78	6.82	36.74	40.00	-8
Aroclor-1016	3.30	3.27	3.33	204.58	200.00	2
	3.64	3.61	3.67			
	3.86	3.83	3.89			
	3.93	3.89	3.95			
	3.99	3.96	4.02			
	4.12	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	208.10	200.00	4
	5.24	5.20	5.26			
	5.35	5.32	5.38			
	5.41	5.38	5.44			
	6.03	5.99	6.05			
	6.45	6.42	6.48			

Compounds 14 Average of %D: 4

ASX67 8118

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/09/12 07/09/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/10/12

Lab File ID: 5P20188B.0005.RAW Time Analyzed: 18:37

Lab Standard ID: AR163RZ Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	42.58	41.26	3
Decachlorobiphenyl	6.49	6.47	6.51	35.29	40.00	-12
Aroclor-1016	3.14	3.11	3.17	202.71 ~~182.53~~ ③	200.00	~~-9~~ ③ 1
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.83	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	201.03	200.00	1
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.12	6.10	6.16			

Compounds 14 Average of %D: ~~6~~ ③ 4

③ Jessica L. Miller
Jessica L. Miller
Chemist

JUL 10 2012

ASX67 0111

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342A Init. Calib Date(s): 07/09/12 07/09/12
GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/10/12
Lab File ID: 5P20188.0013.RAW Time Analyzed: 20:08
Lab Standard ID: AR163SA Initial Calibration: 2P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	40.42	41.26	-2
Decachlorobiphenyl	6.80	6.78	6.82	33.77	40.00	-16
Aroclor-1016	3.30	3.27	3.33	200.66 ~~175.14~~ (3)	200.00	~~-12~~ (3) 0
	3.64	3.61	3.67			
	3.86	3.83	3.89			
	3.92	3.89	3.95			
	3.99	3.96	4.02			
	4.12	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	188.17	200.00	-6
	5.23	5.20	5.26			
	5.35	5.32	5.38			
	5.41	5.38	5.44			
	6.02	5.99	6.05			
	6.45	6.42	6.48			

Compounds 14 Average of %D: ~~8~~ 0
6

(3) Jessica L. Miller
Jessica L. Miller
Chemist

JUL 10 2012

ASX67 8112

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/09/12 07/09/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/10/12

Lab File ID: 5P20188B.0013.RAW Time Analyzed: 20:08

Lab Standard ID: AR163SA Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	42.18	41.26	2
Decachlorobiphenyl	6.49	6.47	6.51	28.57	40.00	-29
Aroclor-1016	3.14	3.11	3.17	199.99 ~~179.49~~	200.00	~~-10~~ 0
	3.48	3.45	3.51			
	3.67	3.65	3.71			
	3.75	3.72	3.78			
	3.83	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	169.08	200.00	-15
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.12	6.10	6.16			

Compounds 14 Average of %D: ~~14~~ 12

Jessica L. Miller
Chemist

JUL 10 2012

ASX67 8113

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/09/12 07/09/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/10/12

Lab File ID: 5P20188.0025.RAW Time Analyzed: 22:25

Lab Standard ID: AR163SB Initial Calibration: 2P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	41.71	41.26	1
Decachlorobiphenyl	6.81	6.78	6.82	34.96	40.00	-13
Aroclor-1016	3.30	3.27	3.33	209.49	200.00	5
	3.64	3.61	3.67			
	3.86	3.83	3.89			
	3.93	3.89	3.95			
	3.99	3.96	4.02			
	4.13	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	206.78	200.00	3
	5.23	5.20	5.26			
	5.35	5.32	5.38			
	5.41	5.38	5.44			
	6.03	5.99	6.05			
	6.46	6.42	6.48			

Compounds 14 Average of %D: 6

ASX67 0124

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/09/12 07/09/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/10/12

Lab File ID: 5P20188B.0025.RAW Time Analyzed: 22:25

Lab Standard ID: AR163SB Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	44.11	41.26	7
Decachlorobiphenyl	6.49	6.47	6.51	36.49	40.00	-9
Aroclor-1016	3.14	3.11	3.17	211.89 ~~190.26~~ 3	200.00	~~-5~~ 3 6
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.83	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	210.42	200.00	5
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: ~~7~~ 3 7

3 Jessica L. Miller
Jessica L. Miller
Chemist

JUL 10 2012

ASX67 8115

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/11/12 07/11/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/11/12

Lab File ID: 6P20188.0005.RAW Time Analyzed: 15:06

Lab Standard ID: AR163SK Initial Calibration: 2P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	40.33	41.26	-2
Decachlorobiphenyl	6.81	6.78	6.82	32.83	40.00	-18
Aroclor-1016	3.30	3.27	3.33	200.09	200.00	0
	3.64	3.61	3.67			
	3.87	3.83	3.89			
	3.93	3.89	3.95			
	4.00	3.96	4.02			
	4.13	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	202.12	200.00	1
	5.24	5.20	5.26			
	5.35	5.32	5.38			
	5.42	5.38	5.44			
	6.03	5.99	6.05			
	6.46	6.42	6.48			

Compounds 14 Average of %D: 5

ASX67 0116

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/11/12 07/11/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/11/12

Lab File ID: 6P20188B.0005.RAW Time Analyzed: 15:06

Lab Standard ID: AR163SK Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	41.54	41.26	1
Decachlorobiphenyl	6.49	6.47	6.51	31.16	40.00	-22
Aroclor-1016	3.14	3.11	3.17	~~181.18~~ (3)	200.00	~~-9~~ (3) 1
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.76	3.72	3.78			
	3.84	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	190.99	200.00	-5
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: ~~-9~~ (3) 7

(3) Jessica L. Miller

Jessica L. Miller
Chemist

JUL 1 1 2012

ASX67 817

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/11/12 07/11/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/11/12

Lab File ID: 6P20188B.0017.RAW Time Analyzed: 17:24

Lab Standard ID: AR163SL Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	42.16	41.26	2
Decachlorobiphenyl	6.49	6.47	6.51	31.86	40.00	-20
Aroclor-1016	3.14	3.11	3.17	184.97	200.00	-8
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.84	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	203.61	200.00	2
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: 8

ASX67 0118

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342B Init. Calib Date(s): 07/11/12 07/11/12
GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/11/12
Lab File ID: 6P20188B.0017.RAW Time Analyzed: 17:24
Lab Standard ID: AR163SL Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	42.16	41.26	2
Decachlorobiphenyl	6.49	6.47	6.51	31.86	40.00	-20
Aroclor-1016	3.14	3.11	3.17	205.93 ~~184.97~~ (I)	200.00	~~-8~~ -3 3
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.84	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	203.61	200.00	2
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: ~~-8~~ -3 6

(3) Jessica L. Miller
Jessica L. Miller
Chemist
JUL 11 2012

ASX67 8119

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/11/12 07/11/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/11/12

Lab File ID: 6P20188.0029.RAW Time Analyzed: 19:41

Lab Standard ID: AR163SS Initial Calibration: 2P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	40.62	41.26	-2
Decachlorobiphenyl	6.80	6.78	6.82	33.33	40.00	-17
Aroclor-1016	3.30	3.27	3.33	202.56	200.00	1
	3.64	3.61	3.67			
	3.86	3.83	3.89			
	3.93	3.89	3.95			
	3.99	3.96	4.02			
	4.12	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	202.18	200.00	1
	5.23	5.20	5.26			
	5.35	5.32	5.38			
	5.41	5.38	5.44			
	6.02	5.99	6.05			
	6.46	6.42	6.48			

Compounds 14 Average of %D: 5

ASX67 0128

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 17342B Init. Calib Date(s): 07/11/12 07/11/12
GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/11/12
Lab File ID: 6P20188B.0029.RAW Time Analyzed: 19:41
Lab Standard ID: AR163SS Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/kg)	NOM AMOUNT (ug/kg)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	43.02	41.26	4
Decachlorobiphenyl	6.49	6.47	6.51	36.51	40.00	-9
Aroclor-1016	3.14	3.11	3.17	202.33 ~~181.79~~ (3)	200.00	~~-9~~ (3) 1
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.83	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	200.03	200.00	0
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: ~~-6~~ (3) 4

(3) Jessica L. Miller
Jessica L. Miller
Chemist
JUL 11 2012

FORM VII

ASX67 8121

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/09/12 07/09/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/12/12

Lab File ID: 7P20188.0015.RAW Time Analyzed: 18:56

Lab Standard ID: AR163TH Initial Calibration: 2P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	39.74	41.26	-4
Decachlorobiphenyl	6.81	6.78	6.82	33.80	40.00	-16
Aroclor-1016	3.30	3.27	3.33	207.31	200.00	4
	3.64	3.61	3.67			
	3.87	3.83	3.89			
	3.93	3.89	3.95			
	4.00	3.96	4.02			
	4.13	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	207.76	200.00	4
	5.24	5.20	5.26			
	5.35	5.32	5.38			
	5.42	5.38	5.44			
	6.03	5.99	6.05			
	6.46	6.42	6.48			

Compounds 14 Average of %D: 7

ASX67 8122

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/09/12 07/09/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/12/12

Lab File ID: 7P20188B.0015.RAW Time Analyzed: 18:56

Lab Standard ID: AR163TH Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	42.76	41.26	4
Decachlorobiphenyl	6.49	6.47	6.51	35.65	40.00	-11
Aroclor-1016	3.14	3.11	3.17	208.08 ~~184.73~~	200.00	~~-8~~ 3
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.84	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	203.31	200.00	2
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: ~~6~~ 5

Jessica L. Miller
Chemist

JUL 12 2012

ASX57 8123

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Init. Calib Date(s): 07/09/12 07/09/12

GC Column (1) : ZBmultiR1 ID: 30 (mm) Date Analyzed: 07/12/12

Lab File ID: 7P20188.0026.RAW Time Analyzed: 21:27

Lab Standard ID: AR163TC Initial Calibration: 2P20188

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.04	3.02	3.06	40.60	41.26	-2
Decachlorobiphenyl	6.81	6.78	6.82	35.50	40.00	-11
Aroclor-1016	3.30	3.27	3.33	206.38	200.00	3
	3.64	3.61	3.67			
	3.86	3.83	3.89			
	3.93	3.89	3.95			
	3.99	3.96	4.02			
	4.13	4.09	4.15			
Aroclor-1260	5.14	5.11	5.17	210.79	200.00	5
	5.24	5.20	5.26			
	5.35	5.32	5.38			
	5.41	5.38	5.44			
	6.03	5.99	6.05			
	6.46	6.42	6.48			

Compounds 14 Average of %D: 5

ASX67 0124

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Init. Calib Date(s): 07/09/12 07/09/12

GC Column (2) : ZBmultiR2 ID: 30 (mm) Date Analyzed: 07/12/12

Lab File ID: 7P20188B.0026.RAW Time Analyzed: 21:27

Lab Standard ID: AR163TC Initial Calibration: 2P20188B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.84	2.82	2.86	42.64	41.26	3
Decachlorobiphenyl	6.49	6.47	6.51	38.69	40.00	-3
Aroclor-1016	3.14	3.11	3.17	205.60 ~~184.38~~ ③	200.00	~~-8~~ ③ 3
	3.48	3.45	3.51			
	3.68	3.65	3.71			
	3.75	3.72	3.78			
	3.83	3.79	3.85			
	3.93	3.90	3.96			
Aroclor-1260	4.81	4.78	4.84	203.47	200.00	2
	4.92	4.89	4.95			
	5.06	5.03	5.09			
	5.29	5.26	5.32			
	5.48	5.45	5.51			
	6.13	6.10	6.16			

Compounds 14 Average of %D: ~~4~~ ③ 3

③ Jessica L. Miller

Jessica L. Miller
Chemist

JUL 12 2012

ASX67 8125

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088A Init. Calib Date(s): 07/08/12 07/08/12

GC Column (1) : RTXCLPI ID: .32 (mm) Date Analyzed: 07/16/12

Lab File ID: 6P7190.005.RAW Time Analyzed: 19:24

Lab Standard ID: AR163TW Initial Calibration: 1P7190

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.85	3.82	3.88	36.60	41.26	-11
Decachlorobiphenyl	9.25	9.23	9.29	38.42	40.00	-4
Aroclor-1016	4.20	4.17	4.23	193.14	200.00	-3
	4.66	4.64	4.70			
	4.92	4.89	4.95			
	4.97	4.95	5.01			
	5.06	5.03	5.09			
	5.32	5.29	5.35			
Aroclor-1260	6.31	6.29	6.35	183.89	200.00	-8
	6.55	6.52	6.58			
	6.79	6.77	6.83			
	7.06	7.04	7.10			
	7.37	7.35	7.41			
	7.67	7.65	7.71			

Compounds 14 Average of %D: 7

ASX67 8126

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088B Init. Calib Date(s): 07/08/12 07/08/12

GC Column (2) : RTXCLPII ID: .32 (mm) Date Analyzed: 07/16/12

Lab File ID: 6P7190B.005.RAW Time Analyzed: 19:24

Lab Standard ID: AR163TW Initial Calibration: 1P7190B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.69	3.66	3.72	40.84	41.26	-1
Decachlorobiphenyl	8.70	8.68	8.74	36.37	40.00	-9
Aroclor-1016	4.07	4.05	4.11	199.39	200.00	0
	4.37	4.35	4.41			
	4.54	4.52	4.58			
	4.76	4.74	4.80			
	5.01	4.98	5.04			
	5.30	5.27	5.33			
Aroclor-1260	6.28	6.25	6.31	192.70	200.00	-4
	6.41	6.39	6.45			
	6.57	6.55	6.61			
	6.78	6.76	6.82			
	7.06	7.04	7.10			
	7.41	7.39	7.45			

Compounds 14 Average of %D: 4

ASX67 0127

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088A Init. Calib Date(s): 07/08/12 07/08/12

GC Column (1) : RTXCLPI ID: .32 (mm) Date Analyzed: 07/16/12

Lab File ID: 6P7190.017.RAW Time Analyzed: 22:20

Lab Standard ID: AR163TX Initial Calibration: 1P7190

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.85	3.82	3.88	35.89	41.26	-13
Decachlorobiphenyl	9.25	9.23	9.29	37.53	40.00	-6
Aroclor-1016	4.20	4.17	4.23	189.46	200.00	-5
	4.67	4.64	4.70			
	4.92	4.89	4.95			
	4.97	4.95	5.01			
	5.06	5.03	5.09			
	5.32	5.29	5.35			
Aroclor-1260	6.31	6.29	6.35	184.24	200.00	-8
	6.55	6.52	6.58			
	6.79	6.77	6.83			
	7.06	7.04	7.10			
	7.37	7.35	7.41			
	7.68	7.65	7.71			

Compounds 14 Average of %D: 8

FORM VII

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H5088B Init. Calib Date(s): 07/08/12 07/08/12

GC Column (2) : RTXCLPII ID: .32 (mm) Date Analyzed: 07/16/12

Lab File ID: 6P7190B.017.RAW Time Analyzed: 22:20

Lab Standard ID: AR163TX Initial Calibration: 1P7190B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.69	3.66	3.72	41.04	41.26	-1
Decachlorobiphenyl	8.71	8.68	8.74	36.79	40.00	-8
Aroclor-1016	4.08	4.05	4.11	201.50	200.00	1
	4.37	4.35	4.41			
	4.54	4.52	4.58			
	4.77	4.74	4.80			
	5.01	4.98	5.04			
	5.30	5.27	5.33			
Aroclor-1260	6.28	6.25	6.31	196.40	200.00	-2
	6.41	6.39	6.45			
	6.57	6.55	6.61			
	6.78	6.76	6.82			
	7.07	7.04	7.10			
	7.41	7.39	7.45			

Compounds 14 Average of %D: 3

FORM VII

8D
ANALYTICAL SEQUENCE

Sequence: 1P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/06/2012	07:19:24	1P20188	3.04	6.79
002		CONDITIONER	07/06/2012	07:30:46	1P20188	3.04	6.80
003		CONDITIONER	07/06/2012	07:42:14	1P20188	3.04	6.80
004		CONDITIONER	07/06/2012	07:53:35	1P20188	3.04	6.80
005	PIBLKAA	IBLKX1224C	07/06/2012	08:05:06	1P20188	3.04	6.80
006	AR161AA	AR1611224B	07/06/2012	08:16:28	1P20188	3.04	6.80
007	AR162AA	AR1621224B	07/06/2012	08:27:55	1P20188	3.04	6.80
008	AR163AA	AR1631224B	07/06/2012	08:39:16	1P20188	3.04	6.80
009	AR164AA	AR1641224B	07/06/2012	08:50:42	1P20188	3.04	6.80
010	AR165AA	AR1651224B	07/06/2012	09:02:11	1P20188	3.04	6.80
011	AR481AA	AR4811224A	07/06/2012	09:13:34	1P20188	3.04	6.80
012	AR482AA	AR4821224A	07/06/2012	09:25:06	1P20188	3.04	6.80
013	AR483AA	AR4831224A	07/06/2012	09:36:38	1P20188	3.04	6.81
014	AR484AA	AR4841224A	07/06/2012	09:48:00	1P20188	3.04	6.80
015	AR485AA	AR4851224A	07/06/2012	09:59:28	1P20188	3.04	6.80
016	AR541AA	AR5411224A	07/06/2012	10:10:52	1P20188	3.04	6.81
017	AR542AA	AR5421224A	07/06/2012	10:22:21	1P20188	3.04	6.81
018	AR543AA	AR5431224A	07/06/2012	10:33:50	1P20188	3.04	6.81
019	AR544AA	AR5441224A	07/06/2012	10:45:14	1P20188	3.04	6.81
020	AR545AA	AR5451224A	07/06/2012	10:56:43	1P20188	3.04	6.81
021	AR623AA	AR6231224A	07/06/2012	11:08:05	1P20188	3.04	6.81
022	AR683AA	AR6831224A	07/06/2012	11:19:26	1P20188	3.04	6.81
023	AR213AA	AR2131224A	07/06/2012	11:30:56	1P20188	3.04	6.81
024	AR32XAA	AR32X1224B	07/06/2012	11:42:18	1P20188	3.04	6.81
025	AR423AA	AR4231224A	07/06/2012	11:53:48	1P20188	3.04	6.81
026	AR16XAA	AR16XX1224B	07/06/2012	12:05:17	1P20188	3.04	6.81
027	MD16XAA	MD16X1224B	07/06/2012	12:16:46	1P20188	3.04	6.81
028	IC16XAA	IC16X1224B	07/06/2012	12:28:17	1P20188	3.04	6.81
029	IC48XAA	IC48X1224A	07/06/2012	12:39:45	1P20188	3.04	6.81
030	IC54XAA	IC54X1224A	07/06/2012	12:51:07	1P20188	3.04	6.81
031	LCS21180	LCSA	07/06/2012	13:02:34	1P20188	3.04	6.81
032	PBLK11181	BLANKA	07/06/2012	13:13:55	1P20188	3.04	6.81
033	LCS11181	LCSA	07/06/2012	13:25:24	1P20188	3.04	6.81

	ICAL Dates		ICAL RT	QC Limits
1P20188	07/06/2012 - 07/06/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	LCSD11181	LCSDA	07/06/2012	13:36:53	1P20188	3.04	6.81
035	IW930	6705765	07/06/2012	13:48:15	1P20188	3.04	6.81
036	WL012	6701901	07/06/2012	13:59:47	1P20188	3.04	6.81
037	WL010	6701903	07/06/2012	14:10:50	1P20188	3.04	6.81
038	WL009	6701904	07/06/2012	14:22:13	1P20188	3.04	6.81
039	WL040	6701862	07/06/2012	14:33:35	1P20188	3.04	6.81
040	WL039	6701863	07/06/2012	14:44:57	1P20188	3.04	6.81
041	WL038	6701864	07/06/2012	14:56:17	1P20188	3.04	6.80
042	WL034	6701865	07/06/2012	15:07:42	1P20188	3.04	6.81
043	AR163QL	AR1631224B	07/06/2012	15:19:09	1P20188	3.04	6.81
044	PIBLKIC	IBLKX1224C	07/06/2012	15:30:33	1P20188	3.04	6.81
045	PBLK16184	BLANKA	07/06/2012	15:41:54	1P20188	3.04	6.81
046	LCS16184	LCSA	07/06/2012	15:53:18	1P20188	3.04	6.81
047	14385	6700647	07/06/2012	16:04:45	1P20188	3.04	6.81
048	AR163QM	AR1631224B	07/06/2012	16:16:15	1P20188	3.04	6.81
049	PIBLKID	IBLKX1224C	07/06/2012	16:27:40	1P20188	3.04	6.80
050	TS-25	6706981	07/06/2012	16:39:09	1P20188	3.04	6.81
051	TS-25	6706982	07/06/2012	16:50:39	1P20188	3.04	6.81
052	TS-25	6706983	07/06/2012	17:02:04	1P20188	3.04	6.81
053	TS-18	6706974	07/06/2012	17:13:28	1P20188	3.04	6.80
054	TS-19	6706975	07/06/2012	17:24:51	1P20188	3.04	6.80
055	TS-20	6706976	07/06/2012	17:36:15	1P20188	3.04	6.81
056	TS-21	6706977	07/06/2012	17:47:40	1P20188	3.04	6.80
057	TS-22	6706978	07/06/2012	17:59:07	1P20188	3.04	6.80
058	TS-23	6706979	07/06/2012	18:10:28	1P20188	3.04	6.80
059	TS-24	6706980	07/06/2012	18:21:58	1P20188	3.04	6.80
060	AR163QN	AR1631224B	07/06/2012	18:33:19	1P20188	3.04	6.80
061	PIBLKIE	IBLKX1224C	07/06/2012	18:44:45	1P20188	3.04	6.80
062	TS-40	6706984	07/06/2012	18:56:09	1P20188	3.04	6.80
063	TS-41	6706985	07/06/2012	19:07:39	1P20188	3.04	6.80
064	TS-42	6706986	07/06/2012	19:19:11	1P20188	3.04	6.80
065	TS-43	6706987	07/06/2012	19:30:40	1P20188	3.04	6.80
066	TS-44	6706988	07/06/2012	19:42:06	1P20188	3.04	6.80

	ICAL Dates		ICAL RT	QC Limits
1P20188	07/06/2012 - 07/06/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
067	TS-45	6706989	07/06/2012	19:53:33	1P20188	3.04	6.80
068	TS-46	6706990	07/06/2012	20:04:55	1P20188	3.04	6.80
069	TS-47	6706991	07/06/2012	20:16:18	1P20188	3.04	6.80
070	TS-48	6706992	07/06/2012	20:27:40	1P20188	3.04	6.80
071	TS-49	6706993	07/06/2012	20:39:04	1P20188	3.04	6.80
072	AR163QO	AR1631224B	07/06/2012	20:50:27	1P20188	3.04	6.80
073	PIBLKIF	IBLKX1224C	07/06/2012	21:02:02	1P20188	3.04	6.81
074	63185	6707785	07/06/2012	21:13:25	1P20188	3.04	6.80
075	PBLK17184	BLANKA	07/06/2012	21:24:55	1P20188	3.04	6.81
076	LCS17184	LCSA	07/06/2012	21:36:19	1P20188	3.04	6.81
077	SPA--	6706138	07/06/2012	21:47:43	1P20188	3.04	6.81
078	NPA--	6706141	07/06/2012	21:59:13	1P20188	3.04	6.81
079	AQMXT	6706939	07/06/2012	22:10:45	1P20188	3.04	6.81
080	T1AWO	6707374	07/06/2012	22:22:08	1P20188	3.04	6.81
081	T1AWOMS	6707374	07/06/2012	22:33:43	1P20188	3.04	6.81
082	T1AWOMSD	6707374	07/06/2012	22:45:06	1P20188	3.04	6.81
083	T2AWO	6707377	07/06/2012	22:56:38	1P20188	3.04	6.81
084	AR163QP	AR1631224B	07/06/2012	23:08:00	1P20188	3.04	6.81
085	PIBLKIG	IBLKX1224C	07/06/2012	23:19:36	1P20188	3.04	6.81

	ICAL Dates		ICAL RT	QC Limits
1P20188	07/06/2012 - 07/06/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/06/2012	07:19:24	1P20188B	2.85	6.48
002		CONDITIONER	07/06/2012	07:30:46	1P20188B	2.85	6.49
003		CONDITIONER	07/06/2012	07:42:14	1P20188B	2.84	6.49
004		CONDITIONER	07/06/2012	07:53:35	1P20188B	2.84	6.49
005	PIBLKAA	IBLKX1224C	07/06/2012	08:05:06	1P20188B	2.84	6.49
006	AR161AA	AR1611224B	07/06/2012	08:16:28	1P20188B	2.84	6.49
007	AR162AA	AR1621224B	07/06/2012	08:27:55	1P20188B	2.84	6.49
008	AR163AA	AR1631224B	07/06/2012	08:39:16	1P20188B	2.84	6.49
009	AR164AA	AR1641224B	07/06/2012	08:50:42	1P20188B	2.84	6.49
010	AR165AA	AR1651224B	07/06/2012	09:02:11	1P20188B	2.84	6.49
011	AR481AA	AR4811224A	07/06/2012	09:13:34	1P20188B	2.84	6.49
012	AR482AA	AR4821224A	07/06/2012	09:25:06	1P20188B	2.84	6.49
013	AR483AA	AR4831224A	07/06/2012	09:36:38	1P20188B	2.84	6.49
014	AR484AA	AR4841224A	07/06/2012	09:48:00	1P20188B	2.84	6.49
015	AR485AA	AR4851224A	07/06/2012	09:59:28	1P20188B	2.84	6.49
016	AR541AA	AR5411224A	07/06/2012	10:10:52	1P20188B	2.84	6.49
017	AR542AA	AR5421224A	07/06/2012	10:22:21	1P20188B	2.84	6.49
018	AR543AA	AR5431224A	07/06/2012	10:33:50	1P20188B	2.84	6.49
019	AR544AA	AR5441224A	07/06/2012	10:45:14	1P20188B	2.84	6.49
020	AR545AA	AR5451224A	07/06/2012	10:56:43	1P20188B	2.84	6.49
021	AR623AA	AR6231224A	07/06/2012	11:08:05	1P20188B	2.84	6.49
022	AR683AA	AR6831224A	07/06/2012	11:19:26	1P20188B	2.84	6.49
023	AR213AA	AR2131224A	07/06/2012	11:30:56	1P20188B	2.84	6.49
024	AR32XAA	AR32X1224B	07/06/2012	11:42:18	1P20188B	2.84	6.49
025	AR423AA	AR4231224A	07/06/2012	11:53:48	1P20188B	2.84	6.49
026	AR16XAA	AR16XX1224B	07/06/2012	12:05:17	1P20188B	2.84	6.49
027	MD16XAA	MD16X1224B	07/06/2012	12:16:46	1P20188B	2.84	6.49
028	IC16XAA	IC16X1224B	07/06/2012	12:28:17	1P20188B	2.84	6.49
029	IC48XAA	IC48X1224A	07/06/2012	12:39:45	1P20188B	2.84	6.49
030	IC54XAA	IC54X1224A	07/06/2012	12:51:07	1P20188B	2.84	6.49
031	LCS21180	LCSA	07/06/2012	13:02:34	1P20188B	2.84	6.49
032	PBLK11181	BLANKA	07/06/2012	13:13:55	1P20188B	2.84	6.49
033	LCS11181	LCSA	07/06/2012	13:25:24	1P20188B	2.84	6.49

	ICAL Dates		ICAL RT	QC Limits
1P20188B	07/06/2012 - 07/06/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

8D
ANALYTICAL SEQUENCE

Sequence: 1P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	LCSD11181	LCSDA	07/06/2012	13:36:53	1P20188B	2.84	6.50
035	IW930	6705765	07/06/2012	13:48:15	1P20188B	2.84	6.49
036	WL012	6701901	07/06/2012	13:59:47	1P20188B	2.84	6.49
037	WL010	6701903	07/06/2012	14:10:50	1P20188B	2.85	6.49
038	WL009	6701904	07/06/2012	14:22:13	1P20188B	2.84	6.49
039	WL040	6701862	07/06/2012	14:33:35	1P20188B		6.49
040	WL039	6701863	07/06/2012	14:44:57	1P20188B	2.84	6.49
041	WL038	6701864	07/06/2012	14:56:17	1P20188B	2.84	6.49
042	WL034	6701865	07/06/2012	15:07:42	1P20188B	2.84	6.50
043	AR163QL	AR1631224B	07/06/2012	15:19:09	1P20188B	2.84	6.49
044	PIBLKIC	IBLKX1224C	07/06/2012	15:30:33	1P20188B	2.84	6.49
045	PBLK16184	BLANKA	07/06/2012	15:41:54	1P20188B	2.84	6.49
046	LCS16184	LCSA	07/06/2012	15:53:18	1P20188B	2.84	6.49
047	14385	6700647	07/06/2012	16:04:45	1P20188B	2.84	6.49
048	AR163QM	AR1631224B	07/06/2012	16:16:15	1P20188B	2.84	6.49
049	PIBLKID	IBLKX1224C	07/06/2012	16:27:40	1P20188B	2.84	6.49
050	TS-25	6706981	07/06/2012	16:39:09	1P20188B	2.84	6.49
051	TS-25	6706982	07/06/2012	16:50:39	1P20188B	2.84	6.49
052	TS-25	6706983	07/06/2012	17:02:04	1P20188B	2.84	6.49
053	TS-18	6706974	07/06/2012	17:13:28	1P20188B	2.84	6.49
054	TS-19	6706975	07/06/2012	17:24:51	1P20188B	2.84	6.49
055	TS-20	6706976	07/06/2012	17:36:15	1P20188B	2.84	6.49
056	TS-21	6706977	07/06/2012	17:47:40	1P20188B	2.84	6.49
057	TS-22	6706978	07/06/2012	17:59:07	1P20188B	2.84	6.49
058	TS-23	6706979	07/06/2012	18:10:28	1P20188B	2.84	6.49
059	TS-24	6706980	07/06/2012	18:21:58	1P20188B	2.84	6.49
060	AR163QN	AR1631224B	07/06/2012	18:33:19	1P20188B	2.84	6.49
061	PIBLKIE	IBLKX1224C	07/06/2012	18:44:45	1P20188B	2.84	6.49
062	TS-40	6706984	07/06/2012	18:56:09	1P20188B	2.84	6.49
063	TS-41	6706985	07/06/2012	19:07:39	1P20188B	2.84	6.49
064	TS-42	6706986	07/06/2012	19:19:11	1P20188B	2.84	6.49
065	TS-43	6706987	07/06/2012	19:30:40	1P20188B	2.84	6.49
066	TS-44	6706988	07/06/2012	19:42:06	1P20188B	2.84	6.49

	ICAL Dates		ICAL RT	QC Limits
1P20188B	07/06/2012 - 07/06/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
067	TS-45	6706989	07/06/2012	19:53:33	1P20188B	2.84	6.49
068	TS-46	6706990	07/06/2012	20:04:55	1P20188B	2.84	6.49
069	TS-47	6706991	07/06/2012	20:16:18	1P20188B	2.84	6.49
070	TS-48	6706992	07/06/2012	20:27:40	1P20188B	2.84	6.49
071	TS-49	6706993	07/06/2012	20:39:04	1P20188B	2.84	6.49
072	AR163QO	AR1631224B	07/06/2012	20:50:27	1P20188B	2.85	6.49
073	PIBLKIF	IBLKX1224C	07/06/2012	21:02:02	1P20188B	2.84	6.49
074	63185	6707785	07/06/2012	21:13:25	1P20188B	2.84	6.49
075	PBLK17184	BLANKA	07/06/2012	21:24:55	1P20188B	2.84	6.49
076	LCS17184	LCSA	07/06/2012	21:36:19	1P20188B	2.84	6.49
077	SPA--	6706138	07/06/2012	21:47:43	1P20188B	2.84	6.49
078	NPA--	6706141	07/06/2012	21:59:13	1P20188B	2.84	6.49
079	AQMXT	6706939	07/06/2012	22:10:45	1P20188B	2.85	6.50
080	T1AWO	6707374	07/06/2012	22:22:08	1P20188B	2.84	6.49
081	T1AWOMS	6707374	07/06/2012	22:33:43	1P20188B	2.84	6.49
082	T1AWOMSD	6707374	07/06/2012	22:45:06	1P20188B	2.84	6.49
083	T2AWO	6707377	07/06/2012	22:56:38	1P20188B	2.84	6.49
084	AR163QP	AR1631224B	07/06/2012	23:08:00	1P20188B	2.84	6.49
085	PIBLKIG	IBLKX1224C	07/06/2012	23:19:36	1P20188B	2.84	6.49

	ICAL Dates		ICAL RT	QC Limits
1P20188B	07/06/2012 - 07/06/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 3P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/08/2012	23:46:10	2P20188	3.04	6.81
002		CONDITIONER	07/08/2012	23:57:38	2P20188	3.04	6.81
003		CONDITIONER	07/09/2012	00:09:07	2P20188	3.04	6.81
004	AR481AA	AR4811224A	07/09/2012	00:20:26	2P20188	3.04	6.80
005	AR482AA	AR4821224A	07/09/2012	00:31:57	2P20188	3.04	6.81
006	AR483AA	AR4831224A	07/09/2012	00:43:24	2P20188	3.04	6.81
007	AR484AA	AR4841224A	07/09/2012	00:54:52	2P20188	3.04	6.81
008	AR485AA	AR4851224A	07/09/2012	01:06:12	2P20188	3.04	6.80
009	IC48XCD	IC48X1224A	07/09/2012	01:17:35	2P20188	3.04	6.80
010	L57-0	6699403	07/09/2012	01:29:02	2P20188	3.04	6.80
011		CONDITIONER	07/09/2012	01:40:24	2P20188		6.79
012	PBLK05185	BLANKA	07/09/2012	01:51:26	2P20188	3.04	6.80
013	LCS05185	LCSA	07/09/2012	02:02:57	2P20188	3.04	6.80
014	RVSD1	6705858	07/09/2012	02:14:26	2P20188	3.03	6.80
015	AR163QZ	AR1631224B	07/09/2012	02:25:47	2P20188	3.04	6.80
016	PIBLKIM	IBLKX1224C	07/09/2012	02:37:08	2P20188	3.04	6.80
017	TS-65	6707034	07/09/2012	02:48:30	2P20188	3.04	6.80
018	TS-65	6707035	07/09/2012	02:59:52	2P20188	3.04	6.80
019	TS-65	6707036	07/09/2012	03:11:20	2P20188	3.04	6.80
020	AR163RA	AR1631224B	07/09/2012	03:22:42	2P20188	3.04	6.80
021	PIBLKIN	IBLKX1224C	07/09/2012	03:34:04	2P20188	3.04	6.80
022	PBLK04188	BLANKA	07/09/2012	03:45:27	2P20188	3.04	6.80
023	LCS04188	LCSA	07/09/2012	03:57:01	2P20188	3.04	6.80
024	LCSD04188	LCSDA	07/09/2012	04:08:03	2P20188	3.04	6.80
025	FB--3	6711113	07/09/2012	04:19:33	2P20188	3.04	6.80
026	WC201	6711286	07/09/2012	04:30:56	2P20188	3.04	6.80
027	CH-01	6711749	07/09/2012	04:42:26	2P20188	3.04	6.81
028	AR163RB	AR1631224B	07/09/2012	04:53:54	2P20188	3.04	6.80
029	PIBLKIO	IBLKX1224C	07/09/2012	05:05:27	2P20188	3.04	6.81
030	PBLK23185	BLANKA	07/09/2012	05:16:50	2P20188	3.04	6.80
031	LCS23185	LCSA	07/09/2012	05:28:20	2P20188	3.04	6.81
032	46-01	6705009	07/09/2012	05:39:49	2P20188	3.04	6.81
033	46-01MS	6705009	07/09/2012	05:51:20	2P20188	3.04	6.81

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 3P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	46-01MSD	6705009	07/09/2012	06:02:40	2P20188	3.04	6.81
035		CONDITI	07/09/2012	06:14:14	2P20188		
036	46-04	6705010	07/09/2012	06:25:35	2P20188	3.04	6.80
037	CS1--	6709347	07/09/2012	06:36:58	2P20188	3.04	6.80
038	CS2--	6709348	07/09/2012	06:48:20	2P20188	3.04	6.80
039		CONDITI	07/09/2012	06:59:41	2P20188		6.80
040	CS3--	6709349	07/09/2012	07:11:10	2P20188	3.04	6.80
041		CONDITI	07/09/2012	07:22:44	2P20188		6.80
042	AR163RC	AR1631224B	07/09/2012	07:34:08	2P20188	3.04	6.80
043	PIBLKIP	IBLKX1224C	07/09/2012	07:45:38	2P20188	3.04	6.81
044	PBLK21185	BLANKA	07/09/2012	07:57:00	2P20188	3.04	6.81
045	LCS21185	LCSA	07/09/2012	08:08:24	2P20188	3.04	6.82
046	LCSD21185	LCSDA	07/09/2012	08:19:44	2P20188	3.04	6.82
047	T-L11	6705279	07/09/2012	08:31:23	2P20188	3.04	6.81
048		CONDITI	07/09/2012	08:42:43	2P20188	3.04	6.82
049	T-L12	6705280	07/09/2012	08:54:04	2P20188	3.04	6.81
050	T-L13	6705281	07/09/2012	09:05:32	2P20188	3.04	6.81
051		CONDITI	07/09/2012	09:17:03	2P20188		6.80
052	T-L17	6705282	07/09/2012	09:28:33	2P20188	3.04	6.81
053	T-L1S	6705283	07/09/2012	09:40:08	2P20188	3.04	6.81
054	T-L44	6705284	07/09/2012	09:51:37	2P20188	3.04	6.81
055		CONDITI	07/09/2012	10:03:08	2P20188		6.81
056		CONDITI	07/09/2012	10:14:31	2P20188	3.04	6.80
057	AR163RD	AR1631224B	07/09/2012	10:25:55	2P20188	3.04	6.80
058	PIBLKIQ	IBLKX1224C	07/09/2012	10:37:17	2P20188	3.04	6.80
059	TS-50	6707019	07/09/2012	10:48:52	2P20188	3.04	6.81
060	TS-50	6707019	07/09/2012	11:00:17	2P20188	3.04	
061	TS-51	6707020	07/09/2012	11:11:38	2P20188	3.04	6.81
062	TS-52	6707021	07/09/2012	11:23:02	2P20188	3.04	6.81
063	TS-53	6707022	07/09/2012	11:34:31	2P20188	3.04	
064	TS-54	6707023	07/09/2012	11:45:52	2P20188	3.04	6.80
065	TS-55	6707024	07/09/2012	11:57:25	2P20188	3.04	
066	TS-56	6707025	07/09/2012	12:08:51	2P20188	3.04	6.80

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 3P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
067	TS-57	6707026	07/09/2012	12:20:14	2P20188	3.04	6.81
068	TS-58	6707027	07/09/2012	12:31:44	2P20188	3.04	6.81
069	AR163RE	AR1631224B	07/09/2012	12:43:13	2P20188	3.04	6.81
070	PIBLKIR	IBLKX1224C	07/09/2012	12:54:38	2P20188	3.04	6.81
071	TS-59	6707028	07/09/2012	13:06:04	2P20188	3.04	6.81
072	TS-60	6707029	07/09/2012	13:17:28	2P20188	3.04	6.81
073	TS-61	6707030	07/09/2012	13:28:51	2P20188	3.04	6.81
074	TS-62	6707031	07/09/2012	13:40:11	2P20188	3.04	6.81
075	TS-63	6707032	07/09/2012	13:51:33	2P20188	3.04	6.81
076	TS-64	6707033	07/09/2012	14:02:55	2P20188	3.04	6.80
077	TS-D4	6707037	07/09/2012	14:14:29	2P20188	3.04	6.81
078	TS-66	6707038	07/09/2012	14:25:52	2P20188	3.04	6.81
079	AR163RF	AR1631224B	07/09/2012	14:37:23	2P20188	3.04	6.81
080	PIBLKIS	IBLKX1224C	07/09/2012	14:48:45	2P20188	3.04	6.80

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 3P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/08/2012	23:46:10	2P20188B	2.84	6.50
002		CONDITIONER	07/08/2012	23:57:38	2P20188B	2.84	6.49
003		CONDITIONER	07/09/2012	00:09:07	2P20188B	2.84	6.49
004	AR481AA	AR4811224A	07/09/2012	00:20:26	2P20188B	2.84	6.49
005	AR482AA	AR4821224A	07/09/2012	00:31:57	2P20188B	2.84	6.49
006	AR483AA	AR4831224A	07/09/2012	00:43:24	2P20188B	2.84	6.49
007	AR484AA	AR4841224A	07/09/2012	00:54:52	2P20188B	2.84	6.49
008	AR485AA	AR4851224A	07/09/2012	01:06:12	2P20188B	2.84	6.49
009	IC48XCD	IC48X1224A	07/09/2012	01:17:35	2P20188B	2.84	6.49
010	L57-0	6699403	07/09/2012	01:29:02	2P20188B	2.84	6.49
011		CONDITIONER	07/09/2012	01:40:24	2P20188B	2.85	
012	PBLK05185	BLANKA	07/09/2012	01:51:26	2P20188B	2.85	6.49
013	LCS05185	LCSA	07/09/2012	02:02:57	2P20188B	2.84	6.49
014	RVSD1	6705858	07/09/2012	02:14:26	2P20188B	2.84	6.49
015	AR163QZ	AR1631224B	07/09/2012	02:25:47	2P20188B	2.84	6.49
016	PIBLKIM	IBLKX1224C	07/09/2012	02:37:08	2P20188B	2.84	6.49
017	TS-65	6707034	07/09/2012	02:48:30	2P20188B	2.84	6.49
018	TS-65	6707035	07/09/2012	02:59:52	2P20188B	2.84	6.49
019	TS-65	6707036	07/09/2012	03:11:20	2P20188B	2.84	6.49
020	AR163RA	AR1631224B	07/09/2012	03:22:42	2P20188B	2.84	6.49
021	PIBLKIN	IBLKX1224C	07/09/2012	03:34:04	2P20188B	2.84	6.49
022	PBLK04188	BLANKA	07/09/2012	03:45:27	2P20188B	2.84	6.49
023	LCS04188	LCSA	07/09/2012	03:57:01	2P20188B	2.84	6.49
024	LCSD04188	LCSDA	07/09/2012	04:08:03	2P20188B	2.85	6.49
025	FB--3	6711113	07/09/2012	04:19:33	2P20188B	2.84	6.49
026	WC201	6711286	07/09/2012	04:30:56	2P20188B	2.84	6.49
027	CH-01	6711749	07/09/2012	04:42:26	2P20188B	2.84	6.49
028	AR163RB	AR1631224B	07/09/2012	04:53:54	2P20188B	2.84	6.49
029	PIBLKIO	IBLKX1224C	07/09/2012	05:05:27	2P20188B	2.84	6.49
030	PBLK23185	BLANKA	07/09/2012	05:16:50	2P20188B	2.84	6.49
031	LCS23185	LCSA	07/09/2012	05:28:20	2P20188B	2.84	6.49
032	46-01	6705009	07/09/2012	05:39:49	2P20188B	2.84	6.50
033	46-01MS	6705009	07/09/2012	05:51:20	2P20188B	2.85	6.50

	ICAL Dates		ICAL RT	QC Limits
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 3P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	46-01MSD	6705009	07/09/2012	06:02:40	2P20188B	2.85	6.50
035		CONDITI	07/09/2012	06:14:14	2P20188B	2.86	
036	46-04	6705010	07/09/2012	06:25:35	2P20188B	2.85	6.49
037	CS1--	6709347	07/09/2012	06:36:58	2P20188B	2.84	6.49
038	CS2--	6709348	07/09/2012	06:48:20	2P20188B	2.84	6.49
039		CONDITI	07/09/2012	06:59:41	2P20188B	2.83	
040	CS3--	6709349	07/09/2012	07:11:10	2P20188B	2.84	6.49
041		CONDITI	07/09/2012	07:22:44	2P20188B	2.85	
042	AR163RC	AR1631224B	07/09/2012	07:34:08	2P20188B	2.84	6.49
043	PIBLKIP	IBLKX1224C	07/09/2012	07:45:38	2P20188B	2.84	6.49
044	PBLK21185	BLANKA	07/09/2012	07:57:00	2P20188B	2.84	6.49
045	LCS21185	LCSA	07/09/2012	08:08:24	2P20188B	2.85	6.51
046	LCSD21185	LCSDA	07/09/2012	08:19:44	2P20188B	2.85	6.51
047	T-L11	6705279	07/09/2012	08:31:23	2P20188B	2.85	6.50
048		CONDITI	07/09/2012	08:42:43	2P20188B		6.49
049	T-L12	6705280	07/09/2012	08:54:04	2P20188B	2.85	6.49
050	T-L13	6705281	07/09/2012	09:05:32	2P20188B	2.85	6.50
051		CONDITI	07/09/2012	09:17:03	2P20188B	2.84	6.49
052	T-L17	6705282	07/09/2012	09:28:33	2P20188B	2.85	6.50
053	T-L1S	6705283	07/09/2012	09:40:08	2P20188B	2.85	6.50
054	T-L44	6705284	07/09/2012	09:51:37	2P20188B	2.85	6.50
055		CONDITI	07/09/2012	10:03:08	2P20188B	2.84	6.49
056		CONDITI	07/09/2012	10:14:31	2P20188B		
057	AR163RD	AR1631224B	07/09/2012	10:25:55	2P20188B	2.84	6.49
058	PIBLKIQ	IBLKX1224C	07/09/2012	10:37:17	2P20188B	2.84	6.49
059	TS-50	6707019	07/09/2012	10:48:52	2P20188B	2.84	6.49
060	TS-50	6707019	07/09/2012	11:00:17	2P20188B	2.84	6.49
061	TS-51	6707020	07/09/2012	11:11:38	2P20188B	2.84	6.49
062	TS-52	6707021	07/09/2012	11:23:02	2P20188B	2.84	6.49
063	TS-53	6707022	07/09/2012	11:34:31	2P20188B	2.84	6.49
064	TS-54	6707023	07/09/2012	11:45:52	2P20188B	2.84	6.49
065	TS-55	6707024	07/09/2012	11:57:25	2P20188B	2.84	6.49
066	TS-56	6707025	07/09/2012	12:08:51	2P20188B	2.84	6.49

	ICAL Dates		ICAL RT	QC Limits
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 3P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
067	TS-57	6707026	07/09/2012	12:20:14	2P20188B	2.84	6.49
068	TS-58	6707027	07/09/2012	12:31:44	2P20188B	2.84	6.49
069	AR163RE	AR1631224B	07/09/2012	12:43:13	2P20188B	2.84	6.49
070	PIBLKIR	IBLKX1224C	07/09/2012	12:54:38	2P20188B	2.84	6.49
071	TS-59	6707028	07/09/2012	13:06:04	2P20188B	2.84	6.49
072	TS-60	6707029	07/09/2012	13:17:28	2P20188B	2.84	6.49
073	TS-61	6707030	07/09/2012	13:28:51	2P20188B	2.84	6.49
074	TS-62	6707031	07/09/2012	13:40:11	2P20188B	2.84	6.49
075	TS-63	6707032	07/09/2012	13:51:33	2P20188B	2.84	6.49
076	TS-64	6707033	07/09/2012	14:02:55	2P20188B	2.84	6.49
077	TS-D4	6707037	07/09/2012	14:14:29	2P20188B	2.84	6.49
078	TS-66	6707038	07/09/2012	14:25:52	2P20188B	2.84	6.49
079	AR163RF	AR1631224B	07/09/2012	14:37:23	2P20188B	2.84	6.49
080	PIBLKIS	IBLKX1224C	07/09/2012	14:48:45	2P20188B	2.84	6.49

	ICAL Dates		ICAL RT	QC Limits
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 5P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/10/2012	17:51:25	2P20188	3.02	
002		CONDITIONER	07/10/2012	18:02:49	2P20188	3.04	6.82
003		CONDITIONER	07/10/2012	18:14:16	2P20188	3.04	6.81
004		CONDITIONER	07/10/2012	18:25:45	2P20188	3.02	6.79
005	AR163RZ	AR1631224B	07/10/2012	18:37:06	2P20188	3.04	6.81
006	PIBLKJO	IBLKX1224C	07/10/2012	18:48:34	2P20188	3.04	6.80
007	PBLK16184	BLANKA	07/10/2012	19:00:08	2P20188	3.04	6.81
008	LCS16184	LCSA	07/10/2012	19:11:30	2P20188	3.04	6.80
009	14385	6700647	07/10/2012	19:22:58	2P20188	3.04	6.80
010	63185	6707785	07/10/2012	19:34:17	2P20188	3.04	6.81
011	WL015	6701851	07/10/2012	19:45:39	2P20188	3.04	6.80
012	TS-97	6707073	07/10/2012	19:57:04	2P20188	3.04	6.80
013	AR163SA	AR1631224B	07/10/2012	20:08:30	2P20188	3.04	6.80
014	PIBLKJP	IBLKX1224C	07/10/2012	20:19:52	2P20188	3.04	6.80
015	WL012	6701901	07/10/2012	20:30:55	2P20188	3.04	6.80
016	TS-25	6706981	07/10/2012	20:42:26	2P20188	3.04	6.80
017	TS-25	6706982	07/10/2012	20:53:49	2P20188	3.04	6.80
018	TS-25	6706983	07/10/2012	21:05:12	2P20188	3.04	6.80
019	TS-18	6706974	07/10/2012	21:16:38	2P20188	3.04	6.80
020	TS-19	6706975	07/10/2012	21:28:07	2P20188	3.04	6.80
021	TS-20	6706976	07/10/2012	21:39:28	2P20188	3.04	6.80
022	TS-21	6706977	07/10/2012	21:50:57	2P20188	3.04	6.80
023	TS-22	6706978	07/10/2012	22:02:26	2P20188	3.04	6.80
024	TS-24	6706980	07/10/2012	22:13:54	2P20188	3.04	6.80
025	AR163SB	AR1631224B	07/10/2012	22:25:26	2P20188	3.04	6.81
026	PIBLKJQ	IBLKX1224C	07/10/2012	22:36:49	2P20188	3.04	6.80
027	PBLK16184	BLANKA	07/10/2012	22:48:19	2P20188	3.04	6.81
028	14385	6700647	07/10/2012	22:59:42	2P20188	3.04	6.81
029	LCS16184	LCSA	07/10/2012	23:11:21	2P20188	3.04	6.81
030	63185	6707785	07/10/2012	23:22:44	2P20188	3.04	6.81
031	AR163SJ	AR1631224B	07/10/2012	23:34:11	2P20188	3.04	6.81
032	PIBLKJV	IBLKX1224C	07/10/2012	23:45:41	2P20188	3.04	6.81
033	TS-40	6706984	07/10/2012	23:57:01	2P20188	3.04	6.81

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

ASX67 8142

8D
ANALYTICAL SEQUENCE

Sequence: 5P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	TS-41	6706985	07/11/2012	00:08:23	2P20188	3.04	6.80
035	TS-42	6706986	07/11/2012	00:19:42	2P20188	3.04	6.80
036	TS-44	6706988	07/11/2012	00:31:11	2P20188	3.04	6.80
037	TS-45	6706989	07/11/2012	00:42:43	2P20188	3.04	6.81
038	TS-48	6706992	07/11/2012	00:54:05	2P20188	3.04	6.81
039	TS-49	6706993	07/11/2012	01:05:27	2P20188	3.04	6.80
040	WL012	6701901	07/11/2012	01:16:47	2P20188	3.04	6.81
041	PBLK04191	BLANKA	07/11/2012	01:28:15	2P20188	3.04	6.81
042	LCS04191	LCSA	07/11/2012	01:39:39	2P20188	3.04	6.80
043	AR163SC	AR1631224B	07/11/2012	01:51:05	2P20188	3.04	6.80
044	PIBLKJR	IBLKX1224C	07/11/2012	02:02:32	2P20188	3.04	6.80
045	B1ASR	6709945	07/11/2012	02:13:51	2P20188	3.04	6.80
046	B2ASR	6709949	07/11/2012	02:25:13	2P20188	3.04	6.80
047	B3ASR	6709953	07/11/2012	02:36:36	2P20188	3.04	6.81
048	B4ASR	6709957	07/11/2012	02:47:58	2P20188	3.04	6.80
049	B5ASR	6709961	07/11/2012	02:59:32	2P20188	3.04	6.81
050	B6ASR	6709965	07/11/2012	03:10:52	2P20188	3.04	6.81
051	B7ASR	6709969	07/11/2012	03:22:13	2P20188	3.04	6.81
052	B8ASR	6709973	07/11/2012	03:33:43	2P20188	3.04	6.81
053	B9ASR	6709977	07/11/2012	03:45:06	2P20188	3.04	6.81
054	10ASR	6709981	07/11/2012	03:56:26	2P20188	3.04	6.81
055	11ASR	6709985	07/11/2012	04:07:49	2P20188	3.04	6.81
056	AR163SD	AR1631224B	07/11/2012	04:19:17	2P20188	3.04	6.81
057	PIBLKJS	IBLKX1224C	07/11/2012	04:30:47	2P20188	3.04	6.81
058	12ASR	6709989	07/11/2012	04:42:16	2P20188	3.04	6.81
059	WC--1	6710159	07/11/2012	04:53:44	2P20188	3.04	
060	WC--1MS	6710159	07/11/2012	05:05:14	2P20188	3.04	
061	WC--1MSD	6710159	07/11/2012	05:16:48	2P20188	3.04	
062	WC--2	6711105	07/11/2012	05:27:51	2P20188	3.04	6.80
063	TSCAR	6711332	07/11/2012	05:39:11	2P20188	3.04	6.80
064	BCK06	6711927	07/11/2012	05:50:42	2P20188	3.04	6.81
065	BCK07	6711928	07/11/2012	06:02:01	2P20188	3.04	6.80
066	12004	6712555	07/11/2012	06:13:21	2P20188	3.04	6.80

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 5P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
067	PBLK10191	BLANKA	07/11/2012	06:24:53	2P20188	3.04	6.80
068	AR163SE	AR1631224B	07/11/2012	06:36:13	2P20188	3.04	6.80
069	PIBLKJT	IBLKX1224C	07/11/2012	06:47:44	2P20188	3.04	6.80
070	LCS10191	LCSA	07/11/2012	06:59:10	2P20188	3.04	6.82
071	LCSD10191	LCSDA	07/11/2012	07:10:32	2P20188	3.04	6.82
072	NPMP-	6712472	07/11/2012	07:22:03	2P20188	3.04	6.81
073	SPMP-	6712473	07/11/2012	07:33:36	2P20188	3.04	6.81
074	AA	MS1218424B	07/11/2012	07:44:58	2P20188	3.02	6.80
075	AA	SS1219224A	07/11/2012	07:56:18	2P20188	3.04	6.80
076	AR163SF	AR1631224B	07/11/2012	08:07:42	2P20188	3.04	6.80
077	PIBLKJU	IBLKX1224C	07/11/2012	08:19:11	2P20188	3.04	6.81

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 5P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/10/2012	17:51:25	1P20127B	2.97	
002		CONDITIONER	07/10/2012	18:02:49	1P20127B	2.98	6.69
003		CONDITIONER	07/10/2012	18:14:16	1P20127B	2.97	6.68
004		CONDITIONER	07/10/2012	18:25:45	1P20127B	2.97	
005	AR163RZ	AR1631224B	07/10/2012	18:37:06	2P20188B	2.84	6.49
006	PIBLKJO	IBLKX1224C	07/10/2012	18:48:34	2P20188B	2.84	6.49
007	PBLK16184	BLANKA	07/10/2012	19:00:08	2P20188B	2.84	6.49
008	LCS16184	LCSA	07/10/2012	19:11:30	2P20188B	2.84	6.49
009	14385	6700647	07/10/2012	19:22:58	2P20188B	2.84	6.49
010	63185	6707785	07/10/2012	19:34:17	2P20188B	2.84	6.49
011	WL015	6701851	07/10/2012	19:45:39	2P20188B	2.84	6.49
012	TS-97	6707073	07/10/2012	19:57:04	2P20188B	2.84	6.49
013	AR163SA	AR1631224B	07/10/2012	20:08:30	2P20188B	2.84	6.49
014	PIBLKJP	IBLKX1224C	07/10/2012	20:19:52	2P20188B	2.84	6.49
015	WL012	6701901	07/10/2012	20:30:55	2P20188B	2.84	6.49
016	TS-25	6706981	07/10/2012	20:42:26	2P20188B	2.84	6.49
017	TS-25	6706982	07/10/2012	20:53:49	2P20188B	2.84	6.49
018	TS-25	6706983	07/10/2012	21:05:12	2P20188B	2.84	6.49
019	TS-18	6706974	07/10/2012	21:16:38	2P20188B	2.84	6.49
020	TS-19	6706975	07/10/2012	21:28:07	2P20188B	2.84	6.49
021	TS-20	6706976	07/10/2012	21:39:28	2P20188B	2.84	6.49
022	TS-21	6706977	07/10/2012	21:50:57	2P20188B	2.84	6.49
023	TS-22	6706978	07/10/2012	22:02:26	2P20188B	2.84	6.49
024	TS-24	6706980	07/10/2012	22:13:54	2P20188B	2.84	6.49
025	AR163SB	AR1631224B	07/10/2012	22:25:26	2P20188B	2.84	6.49
026	PIBLKJQ	IBLKX1224C	07/10/2012	22:36:49	2P20188B	2.85	6.49
027	PBLK16184	BLANKA	07/10/2012	22:48:19	2P20188B	2.84	6.49
028	14385	6700647	07/10/2012	22:59:42	2P20188B	2.84	6.49
029	LCS16184	LCSA	07/10/2012	23:11:21	2P20188B	2.84	6.49
030	63185	6707785	07/10/2012	23:22:44	2P20188B	2.85	6.50
031	AR163SJ	AR1631224B	07/10/2012	23:34:11	2P20188B	2.84	6.49

	ICAL Dates		ICAL RT	QC Limits
1P20127B	05/06/2012 - 05/06/2012	TCX = Tetrachloro-m-xylene	2.98	(2.96 - 3.00 Minutes)
		DCB = Decachlorobiphenyl	6.67	(6.65 - 6.69 Minutes)
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

ASX67 8145

8D
ANALYTICAL SEQUENCE

Sequence: 5P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
032	PIBLKJV	IBLKX1224C	07/10/2012	23:45:41	2P20188B	2.84	6.49
033	TS-40	6706984	07/10/2012	23:57:01	2P20188B	2.84	6.49
034	TS-41	6706985	07/11/2012	00:08:23	2P20188B	2.84	6.49
035	TS-42	6706986	07/11/2012	00:19:42	2P20188B	2.84	6.49
036	TS-44	6706988	07/11/2012	00:31:11	2P20188B	2.84	6.49
037	TS-45	6706989	07/11/2012	00:42:43	2P20188B	2.84	6.49
038	TS-48	6706992	07/11/2012	00:54:05	2P20188B	2.84	6.49
039	TS-49	6706993	07/11/2012	01:05:27	2P20188B	2.84	6.49
040	WL012	6701901	07/11/2012	01:16:47	2P20188B	2.84	6.49
041	PBLK04191	BLANKA	07/11/2012	01:28:15	2P20188B	2.84	6.49
042	LCS04191	LCSA	07/11/2012	01:39:39	2P20188B	2.84	6.49
043	AR163SC	AR1631224B	07/11/2012	01:51:05	2P20188B	2.84	6.49
044	PIBLKJR	IBLKX1224C	07/11/2012	02:02:32	2P20188B	2.84	6.49
045	B1ASR	6709945	07/11/2012	02:13:51	2P20188B	2.85	6.49
046	B2ASR	6709949	07/11/2012	02:25:13	2P20188B	2.84	6.49
047	B3ASR	6709953	07/11/2012	02:36:36	2P20188B	2.84	6.49
048	B4ASR	6709957	07/11/2012	02:47:58	2P20188B	2.84	6.49
049	B5ASR	6709961	07/11/2012	02:59:32	2P20188B	2.84	6.49
050	B6ASR	6709965	07/11/2012	03:10:52	2P20188B	2.84	6.49
051	B7ASR	6709969	07/11/2012	03:22:13	2P20188B	2.84	6.49
052	B8ASR	6709973	07/11/2012	03:33:43	2P20188B	2.84	6.49
053	B9ASR	6709977	07/11/2012	03:45:06	2P20188B	2.84	6.49
054	10ASR	6709981	07/11/2012	03:56:26	2P20188B	2.84	6.49
055	11ASR	6709985	07/11/2012	04:07:49	2P20188B	2.84	6.49
056	AR163SD	AR1631224B	07/11/2012	04:19:17	2P20188B	2.84	6.49
057	PIBLKJS	IBLKX1224C	07/11/2012	04:30:47	2P20188B	2.84	6.49
058	12ASR	6709989	07/11/2012	04:42:16	2P20188B	2.84	6.49
059	WC--1	6710159	07/11/2012	04:53:44	2P20188B	2.85	6.47
060	WC--1MS	6710159	07/11/2012	05:05:14	2P20188B	2.85	
061	WC--1MSD	6710159	07/11/2012	05:16:48	2P20188B	2.85	
062	WC--2	6711105	07/11/2012	05:27:51	2P20188B	2.85	6.49

	ICAL Dates		ICAL RT	QC Limits
1P20127B	05/06/2012 - 05/06/2012	TCX = Tetrachloro-m-xylene	2.98	(2.96 - 3.00 Minutes)
		DCB = Decachlorobiphenyl	6.67	(6.65 - 6.69 Minutes)
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

8D
ANALYTICAL SEQUENCE

Sequence: 5P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
063	TSCAR	6711332	07/11/2012	05:39:11	2P20188B	2.84	6.49
064	BCK06	6711927	07/11/2012	05:50:42	2P20188B	2.84	6.49
065	BCK07	6711928	07/11/2012	06:02:01	2P20188B	2.85	6.49
066	12004	6712555	07/11/2012	06:13:21	2P20188B	2.84	6.49
067	PBLK10191	BLANKA	07/11/2012	06:24:53	2P20188B	2.84	6.49
068	AR163SE	AR1631224B	07/11/2012	06:36:13	2P20188B	2.84	6.49
069	PIBLKJT	IBLKX1224C	07/11/2012	06:47:44	2P20188B	2.84	6.49
070	LCS10191	LCSA	07/11/2012	06:59:10	2P20188B	2.85	6.51
071	LCSD10191	LCSDA	07/11/2012	07:10:32	2P20188B	2.85	6.51
072	NPMP-	6712472	07/11/2012	07:22:03	2P20188B	2.85	6.49
073	SPMP-	6712473	07/11/2012	07:33:36	2P20188B	2.84	6.50
074	AA	MS1218424B	07/11/2012	07:44:58	2P20188B	2.83	6.49
075	AA	SS1219224A	07/11/2012	07:56:18	2P20188B	2.85	6.49
076	AR163SF	AR1631224B	07/11/2012	08:07:42	2P20188B	2.84	6.49
077	PIBLKJU	IBLKX1224C	07/11/2012	08:19:11	2P20188B	2.84	6.49

	ICAL Dates		ICAL RT	QC Limits
1P20127B	05/06/2012 - 05/06/2012	TCX = Tetrachloro-m-xylene	2.98	(2.96 - 3.00 Minutes)
		DCB = Decachlorobiphenyl	6.67	(6.65 - 6.69 Minutes)
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

8D
ANALYTICAL SEQUENCE

Sequence: 6P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/11/2012	14:20:41	2P20188	3.02	
002		CONDITIONER	07/11/2012	14:31:59	2P20188	3.04	
003		CONDITIONER	07/11/2012	14:43:23	2P20188	3.04	6.82
004		CONDITIONER	07/11/2012	14:54:46	2P20188	3.04	6.81
005	AR163SK	AR1631224B	07/11/2012	15:06:04	2P20188	3.04	6.81
006	PIBLKJW	IBLKX1224C	07/11/2012	15:17:26	2P20188	3.04	6.81
007	WL012	6701901	07/11/2012	15:28:58	2P20188	3.04	6.81
008	PBLK09185	BLANKA	07/11/2012	15:40:17	2P20188	3.04	6.81
009	LCS09185	LCSA	07/11/2012	15:51:44	2P20188	3.04	6.81
010	LCSD09185	LCSDA	07/11/2012	16:03:03	2P20188	3.04	6.81
011	MWH01	6706950	07/11/2012	16:14:24	2P20188	3.04	6.81
012	TS-40	6706984	07/11/2012	16:25:53	2P20188	3.04	6.81
013	TS-41	6706985	07/11/2012	16:37:16	2P20188	3.04	6.80
014	TS-42	6706986	07/11/2012	16:50:11	2P20188	3.04	6.82
015	TS-44	6706988	07/11/2012	17:01:29	2P20188	3.04	6.80
016	TS-45	6706989	07/11/2012	17:12:51	2P20188	3.04	6.81
017	AR163SL	AR1631224B	07/11/2012	17:24:20	2P20188	3.04	6.81
018	PIBLKJX	IBLKX1224C	07/11/2012	17:35:48	2P20188	3.04	6.81
019	TS-48	6706992	07/11/2012	17:47:17	2P20188	3.04	6.80
020	TS-49	6706993	07/11/2012	17:58:46	2P20188	3.04	6.80
021	TS-19	6706975	07/11/2012	18:10:15	2P20188	3.04	6.80
022	PBLK11185	BLANKA	07/11/2012	18:21:38	2P20188	3.04	6.80
023	LCS11185	LCSA	07/11/2012	18:33:00	2P20188	3.04	6.80
024	TS-71	6707039	07/11/2012	18:44:27	2P20188	3.04	6.80
025	TS-72	6707040	07/11/2012	18:55:51	2P20188	3.04	6.81
026	TS-73	6707041	07/11/2012	19:07:21	2P20188	3.04	6.81
027	TS-74	6707042	07/11/2012	19:18:42	2P20188	3.04	6.80
028	TS-75	6707043	07/11/2012	19:30:08	2P20188	3.04	6.80
029	AR163SS	AR1631224B	07/11/2012	19:41:37	2P20188	3.04	6.80
030	PIBLKKB	IBLKX1224C	07/11/2012	19:53:12	2P20188	3.04	6.80
031	TS-76	6707044	07/11/2012	20:04:43	2P20188	3.04	6.80
032	TS-77	6707045	07/11/2012	20:16:03	2P20188	3.04	6.80
033	TS-77	6707045	07/11/2012	20:27:27	2P20188	3.04	6.80

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 6P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	TS-78	6707046	07/11/2012	20:38:49	2P20188	3.04	6.81
035	TS-79	6707047	07/11/2012	20:50:16	2P20188	3.04	6.81
036	TS-80	6707048	07/11/2012	21:01:42	2P20188	3.04	6.80
037	TS-81	6707049	07/11/2012	21:13:05	2P20188	3.04	6.80
038	TS-82	6707050	07/11/2012	21:24:34	2P20188	3.04	6.81
039	TS-82	6707051	07/11/2012	21:36:03	2P20188	3.04	6.81
040	TS-82	6707052	07/11/2012	21:47:25	2P20188	3.04	6.81
041	AR163ST	AR1631224B	07/11/2012	21:58:56	2P20188	3.04	6.81
042	PIBLKKC	IBLKX1224C	07/11/2012	22:10:19	2P20188	3.04	6.81
043	TS-D5	6707053	07/11/2012	22:21:41	2P20188	3.04	6.80
044	TS-83	6707054	07/11/2012	22:33:09	2P20188	3.04	6.81
045	TS-84	6707055	07/11/2012	22:44:32	2P20188	3.04	6.81
046	TS-85	6707056	07/11/2012	22:55:54	2P20188	3.04	6.81
047	TS-07	6706964	07/11/2012	23:07:23	2P20188	3.04	6.81
048	TS-13	6706969	07/11/2012	23:18:47	2P20188	3.03	6.80
049	TS-13	6706969	07/11/2012	23:30:17	2P20188	3.04	6.80
050	TS-15	6706971	07/11/2012	23:41:47	2P20188	3.04	6.81
051	TS-16	6706972	07/11/2012	23:53:07	2P20188	3.04	6.81
052	TS-28	6706999	07/12/2012	00:04:37	2P20188	3.04	6.81
053	TS-30	6707001	07/12/2012	00:16:00	2P20188	3.04	6.81
054	AR163SU	AR1631224B	07/12/2012	00:27:33	2P20188	3.04	6.81
055	PIBLKKD	IBLKX1224C	07/12/2012	00:39:01	2P20188	3.04	6.81
056	TS-30	6707002	07/12/2012	00:50:31	2P20188	3.04	6.81
057	TS-30	6707003	07/12/2012	01:01:57	2P20188	3.04	6.81
058		CONDITIONER	07/12/2012	01:13:19	2P20188		
059	TS-D3	6707004	07/12/2012	01:24:42	2P20188	3.04	6.81
060	TS-31	6707005	07/12/2012	01:36:15	2P20188	3.04	6.81
061	TS-32	6707006	07/12/2012	01:47:44	2P20188	3.04	6.81
062	TS-33	6707007	07/12/2012	01:59:04	2P20188	3.04	6.80
063		CONDITIONER	07/12/2012	02:10:33	2P20188	3.04	6.81
064	TS-34	6707008	07/12/2012	02:22:11	2P20188	3.04	6.82
065		CONDITIONER	07/12/2012	02:33:40	2P20188		6.80
066	AR163SV	AR1631224B	07/12/2012	02:45:14	2P20188	3.04	6.81

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 6P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
067	PIBLKKE	IBLKX1224C	07/12/2012	02:56:33	2P20188	3.04	6.80
068	TS-35	6707009	07/12/2012	03:07:58	2P20188	3.04	6.81
069	TS-36	6707010	07/12/2012	03:19:24	2P20188	3.04	6.81
070	TS-37	6707011	07/12/2012	03:30:44	2P20188	3.04	6.80
071	TS-38	6707012	07/12/2012	03:42:03	2P20188	3.04	6.81
072	TS-39	6707013	07/12/2012	03:53:30	2P20188	3.04	6.80
073		CONDITIONER	07/12/2012	04:04:33	2P20188	3.02	6.80
074		CONDITIONER	07/12/2012	04:15:55	2P20188		6.78
075	AR163SW	AR1631224B	07/12/2012	04:27:27	2P20188	3.04	6.80
076	PIBLKKF	IBLKX1224C	07/12/2012	04:38:57	2P20188	3.04	6.81
077	PBLK04191	BLANKA	07/12/2012	04:50:17	2P20188	3.04	6.80
078	LCS04191	LCSA	07/12/2012	05:01:42	2P20188	3.04	6.81
079	12ASR	6709989	07/12/2012	05:13:05	2P20188	3.04	6.81
080	WC--1	6710159	07/12/2012	05:24:30	2P20188	3.04	
081	WC--1MS	6710159	07/12/2012	05:36:00	2P20188	3.04	6.78
082	WC--1MSD	6710159	07/12/2012	05:47:30	2P20188	3.04	
083	WC--2	6711105	07/12/2012	05:59:01	2P20188	3.04	6.81
084	TSCAR	6711332	07/12/2012	06:10:28	2P20188	3.04	6.80
085	BCK06	6711927	07/12/2012	06:22:00	2P20188	3.04	6.81
086	BCK07	6711928	07/12/2012	06:33:31	2P20188	3.04	6.80
087	12004	6712555	07/12/2012	06:44:50	2P20188	3.04	6.80
088		CONDITIONER	07/12/2012	06:56:15	2P20188	3.05	6.80
089		CONDITIONER	07/12/2012	07:07:39	2P20188	3.04	6.80
090	AR163SM	AR1631224B	07/12/2012	07:19:06	2P20188	3.04	6.81
091	PIBLKJY	IBLKX1224C	07/12/2012	07:30:30	2P20188	3.04	6.80
092	PBLK10191	BLANKA	07/12/2012	07:41:51	2P20188	3.04	6.80
093	LCS10191	LCSA	07/12/2012	07:53:20	2P20188	3.04	6.82
094	LCSD10191	LCSDA	07/12/2012	08:04:43	2P20188	3.04	6.82
095	NPMP-	6712472	07/12/2012	08:16:04	2P20188	3.04	6.80
096	SPMP-	6712473	07/12/2012	08:27:32	2P20188	3.04	6.81
097	AR163SN	AR1631224B	07/12/2012	08:38:53	2P20188	3.04	6.81
098	PIBLKJZ	IBLKX1224C	07/12/2012	08:50:19	2P20188	3.04	6.81

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 6P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/11/2012	14:20:41	2P20188B	2.85	
002		CONDITIONER	07/11/2012	14:31:59	2P20188B	2.84	6.50
003		CONDITIONER	07/11/2012	14:43:23	2P20188B	2.84	6.50
004		CONDITIONER	07/11/2012	14:54:46	2P20188B	2.84	6.50
005	AR163SK	AR1631224B	07/11/2012	15:06:04	2P20188B	2.84	6.49
006	PIBLKJW	IBLKX1224C	07/11/2012	15:17:26	2P20188B	2.85	6.49
007	WL012	6701901	07/11/2012	15:28:58	2P20188B	2.84	6.49
008	PBLK09185	BLANKA	07/11/2012	15:40:17	2P20188B	2.84	6.49
009	LCS09185	LCSA	07/11/2012	15:51:44	2P20188B	2.84	6.49
010	LCSD09185	LCSDA	07/11/2012	16:03:03	2P20188B	2.84	6.49
011	MWH01	6706950	07/11/2012	16:14:24	2P20188B	2.84	6.49
012	TS-40	6706984	07/11/2012	16:25:53	2P20188B	2.84	6.49
013	TS-41	6706985	07/11/2012	16:37:16	2P20188B	2.84	6.49
014	TS-42	6706986	07/11/2012	16:50:11	2P20188B	2.84	6.50
015	TS-44	6706988	07/11/2012	17:01:29	2P20188B	2.84	6.49
016	TS-45	6706989	07/11/2012	17:12:51	2P20188B	2.84	6.49
017	AR163SL	AR1631224B	07/11/2012	17:24:20	2P20188B	2.84	6.49
018	PIBLKJX	IBLKX1224C	07/11/2012	17:35:48	2P20188B	2.84	6.49
019	TS-48	6706992	07/11/2012	17:47:17	2P20188B	2.84	6.49
020	TS-49	6706993	07/11/2012	17:58:46	2P20188B	2.84	6.49
021	TS-19	6706975	07/11/2012	18:10:15	2P20188B	2.84	6.49
022	PBLK11185	BLANKA	07/11/2012	18:21:38	2P20188B	2.84	6.49
023	LCS11185	LCSA	07/11/2012	18:33:00	2P20188B	2.85	6.49
024	TS-71	6707039	07/11/2012	18:44:27	2P20188B	2.84	6.49
025	TS-72	6707040	07/11/2012	18:55:51	2P20188B	2.84	6.50
026	TS-73	6707041	07/11/2012	19:07:21	2P20188B	2.84	6.49
027	TS-74	6707042	07/11/2012	19:18:42	2P20188B	2.84	6.49
028	TS-75	6707043	07/11/2012	19:30:08	2P20188B	2.85	6.49
029	AR163SS	AR1631224B	07/11/2012	19:41:37	2P20188B	2.84	6.49
030	PIBLKKB	IBLKX1224C	07/11/2012	19:53:12	2P20188B	2.84	6.49
031	TS-76	6707044	07/11/2012	20:04:43	2P20188B	2.84	6.49
032	TS-77	6707045	07/11/2012	20:16:03	2P20188B	2.85	6.49
033	TS-77	6707045	07/11/2012	20:27:27	2P20188B	2.84	6.49

	ICAL Dates		ICAL RT	QC Limits
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

ASX67 0151

8D
ANALYTICAL SEQUENCE

Sequence: 6P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	TS-78	6707046	07/11/2012	20:38:49	2P20188B	2.84	6.49
035	TS-79	6707047	07/11/2012	20:50:16	2P20188B	2.84	6.49
036	TS-80	6707048	07/11/2012	21:01:42	2P20188B	2.84	6.49
037	TS-81	6707049	07/11/2012	21:13:05	2P20188B	2.84	6.49
038	TS-82	6707050	07/11/2012	21:24:34	2P20188B	2.84	6.49
039	TS-82	6707051	07/11/2012	21:36:03	2P20188B	2.84	6.49
040	TS-82	6707052	07/11/2012	21:47:25	2P20188B	2.84	6.49
041	AR163ST	AR1631224B	07/11/2012	21:58:56	2P20188B	2.84	6.49
042	PIBLKKC	IBLKX1224C	07/11/2012	22:10:19	2P20188B	2.84	6.49
043	TS-D5	6707053	07/11/2012	22:21:41	2P20188B	2.84	6.49
044	TS-83	6707054	07/11/2012	22:33:09	2P20188B	2.84	6.49
045	TS-84	6707055	07/11/2012	22:44:32	2P20188B	2.84	6.49
046	TS-85	6707056	07/11/2012	22:55:54	2P20188B	2.84	6.49
047	TS-07	6706964	07/11/2012	23:07:23	2P20188B	2.84	6.49
048	TS-13	6706969	07/11/2012	23:18:47	2P20188B	2.85	6.49
049	TS-13	6706969	07/11/2012	23:30:17	2P20188B	2.84	6.49
050	TS-15	6706971	07/11/2012	23:41:47	2P20188B	2.84	6.49
051	TS-16	6706972	07/11/2012	23:53:07	2P20188B	2.84	6.49
052	TS-28	6706999	07/12/2012	00:04:37	2P20188B	2.84	6.49
053	TS-30	6707001	07/12/2012	00:16:00	2P20188B	2.84	6.50
054	AR163SU	AR1631224B	07/12/2012	00:27:33	2P20188B	2.84	6.49
055	PIBLKKD	IBLKX1224C	07/12/2012	00:39:01	2P20188B	2.84	6.49
056	TS-30	6707002	07/12/2012	00:50:31	2P20188B	2.84	6.50
057	TS-30	6707003	07/12/2012	01:01:57	2P20188B	2.84	6.50
058		CONDITIONER	07/12/2012	01:13:19	2P20188B		6.48
059	TS-D3	6707004	07/12/2012	01:24:42	2P20188B	2.85	6.50
060	TS-31	6707005	07/12/2012	01:36:15	2P20188B	2.84	6.49
061	TS-32	6707006	07/12/2012	01:47:44	2P20188B	2.84	6.49
062	TS-33	6707007	07/12/2012	01:59:04	2P20188B	2.84	6.49
063		CONDITIONER	07/12/2012	02:10:33	2P20188B		
064	TS-34	6707008	07/12/2012	02:22:11	2P20188B	2.85	6.51
065		CONDITIONER	07/12/2012	02:33:40	2P20188B		
066	AR163SV	AR1631224B	07/12/2012	02:45:14	2P20188B	2.85	6.49

	ICAL Dates		ICAL RT	QC Limits
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 6P20188B | Lab Name: Lancaster laboratories | Contract:

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

GC Column: ZBmultiR2 | ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
067	PIBLKKE	IBLKX1224C	07/12/2012	02:56:33	2P20188B	2.85	6.49
068	TS-35	6707009	07/12/2012	03:07:58	2P20188B	2.84	6.49
069	TS-36	6707010	07/12/2012	03:19:24	2P20188B	2.85	6.49
070	TS-37	6707011	07/12/2012	03:30:44	2P20188B	2.85	6.49
071	TS-38	6707012	07/12/2012	03:42:03	2P20188B	2.84	6.49
072	TS-39	6707013	07/12/2012	03:53:30	2P20188B	2.84	6.49
073		CONDITIONER	07/12/2012	04:04:33	2P20188B	2.86	6.49
074		CONDITIONER	07/12/2012	04:15:55	2P20188B	2.85	
075	AR163SW	AR1631224B	07/12/2012	04:27:27	2P20188B	2.84	6.49
076	PIBLKKF	IBLKX1224C	07/12/2012	04:38:57	2P20188B	2.84	6.49
077	PBLK04191	BLANKA	07/12/2012	04:50:17	2P20188B	2.85	6.49
078	LCS04191	LCSA	07/12/2012	05:01:42	2P20188B	2.84	6.49
079	12ASR	6709989	07/12/2012	05:13:05	2P20188B	2.85	6.49
080	WC--1	6710159	07/12/2012	05:24:30	2P20188B	2.85	6.47
081	WC--1MS	6710159	07/12/2012	05:36:00	2P20188B	2.85	
082	WC--1MSD	6710159	07/12/2012	05:47:30	2P20188B	2.85	
083	WC--2	6711105	07/12/2012	05:59:01	2P20188B	2.84	6.49
084	TSCAR	6711332	07/12/2012	06:10:28	2P20188B	2.84	6.49
085	BCK06	6711927	07/12/2012	06:22:00	2P20188B	2.84	6.49
086	BCK07	6711928	07/12/2012	06:33:31	2P20188B	2.85	6.49
087	12004	6712555	07/12/2012	06:44:50	2P20188B	2.85	6.49
088		CONDITIONER	07/12/2012	06:56:15	2P20188B	2.85	6.49
089		CONDITIONER	07/12/2012	07:07:39	2P20188B	2.85	6.48
090	AR163SM	AR1631224B	07/12/2012	07:19:06	2P20188B	2.85	6.49
091	PIBLKJY	IBLKX1224C	07/12/2012	07:30:30	2P20188B	2.85	6.49
092	PBLK10191	BLANKA	07/12/2012	07:41:51	2P20188B	2.85	6.49
093	LCS10191	LCSA	07/12/2012	07:53:20	2P20188B	2.85	6.51
094	LCSD10191	LCSDA	07/12/2012	08:04:43	2P20188B	2.85	6.51
095	NPMP-	6712472	07/12/2012	08:16:04	2P20188B	2.84	6.49
096	SPMP-	6712473	07/12/2012	08:27:32	2P20188B	2.85	6.50
097	AR163SN	AR1631224B	07/12/2012	08:38:53	2P20188B	2.84	6.49
098	PIBLKJZ	IBLKX1224C	07/12/2012	08:50:19	2P20188B	2.85	6.49

	ICAL Dates		ICAL RT	QC Limits
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

8D
ANALYTICAL SEQUENCE

Sequence: 7P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/12/2012	16:16:49	2P20188	3.04	
002		CONDITIONER	07/12/2012	16:28:17	2P20188	3.04	6.81
003		CONDITIONER	07/12/2012	16:39:38	2P20188	3.04	6.81
004		CONDITIONER	07/12/2012	16:50:58	2P20188	3.04	6.81
005	AR163TD	AR1631224B	07/12/2012	17:02:29	2P20188	3.04	6.81
006	PIBLKKQ	IBLKX1224C	07/12/2012	17:13:59	2P20188	3.04	6.81
007	PBLK09185	BLANKA	07/12/2012	17:25:20	2P20188	3.04	6.81
008	LCS09185	LCSA	07/12/2012	17:36:40	2P20188	3.04	6.80
009	LCSD09185	LCSDA	07/12/2012	17:47:59	2P20188	3.04	6.81
010	MWH01	6706950	07/12/2012	17:59:21	2P20188	3.04	6.81
011	TS-D5	6707053	07/12/2012	18:10:44	2P20188	3.04	6.81
012	TS-83	6707054	07/12/2012	18:22:07	2P20188	3.04	6.81
013	TS-84	6707055	07/12/2012	18:33:38	2P20188	3.04	6.81
014	TS-85	6707056	07/12/2012	18:45:08	2P20188	3.04	6.81
015	AR163TH	AR1631224B	07/12/2012	18:56:39	2P20188	3.04	6.81
016	PIBLKKU	IBLKX1224C	07/12/2012	19:08:08	2P20188	3.04	6.81
017	TS-19	6706975	07/12/2012	19:19:38	2P20188	3.04	6.80
018	TS-07	6706964	07/12/2012	19:31:05	2P20188	3.04	6.80
019	TS-13	6706969	07/12/2012	19:42:28	2P20188	3.04	6.81
020	TS-15	6706971	07/12/2012	19:53:56	2P20188	3.04	6.81
021	TS-16	6706972	07/12/2012	20:05:20	2P20188	3.04	6.81
022	TS-28	6706999	07/12/2012	20:16:48	2P20188	3.04	6.81
023	TS-35	6707009	07/12/2012	20:28:18	2P20188	3.04	6.81
024		CONDITIONER	07/12/2012	21:04:47	2P20188	3.05	6.79
025		CONDITIONER	07/12/2012	21:16:06	2P20188	3.04	6.81
026	AR163TC	AR1631224B	07/12/2012	21:27:26	2P20188	3.04	6.81
027	PIBLKKP	IBLKX1224C	07/12/2012	21:38:50	2P20188	3.04	6.81
028	TS-36	6707010	07/12/2012	21:50:20	2P20188	3.04	6.80
029	TS-37	6707011	07/12/2012	22:01:42	2P20188	3.04	6.80
030	TS-38	6707012	07/12/2012	22:13:05	2P20188	3.04	6.80
031	TS-39	6707013	07/12/2012	22:24:37	2P20188	3.04	6.81
032	TS-32	6707006	07/12/2012	22:36:03	2P20188	3.04	6.81
033	TS-33	6707007	07/12/2012	22:47:31	2P20188	3.04	6.80

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 7P20188 Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR1 ID: 30

Instrument: 17342A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034		CONDITIONER	07/12/2012	22:59:00	2P20188	3.04	6.80
035		CONDITIONER	07/12/2012	23:10:30	2P20188	3.04	6.81
036	AR163TI	AR1631224B	07/12/2012	23:21:59	2P20188	3.04	6.81
037	PIBLKKV	IBLKX1224C	07/12/2012	23:33:26	2P20188	3.05	6.80

	ICAL Dates		ICAL RT	QC Limits
2P20188	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	3.04	(3.02 - 3.06 Minutes)
		DCB = Decachlorobiphenyl	6.8	(6.78 - 6.82 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 7P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/12/2012	16:16:49	2P20188B	2.84	
002		CONDITIONER	07/12/2012	16:28:17	2P20188B	2.85	6.49
003		CONDITIONER	07/12/2012	16:39:38	2P20188B	2.84	6.49
004		CONDITIONER	07/12/2012	16:50:58	2P20188B	2.84	6.49
005	AR163TD	AR1631224B	07/12/2012	17:02:29	2P20188B	2.84	6.49
006	PIBLKKQ	IBLKX1224C	07/12/2012	17:13:59	2P20188B	2.84	6.49
007	PBLK09185	BLANKA	07/12/2012	17:25:20	2P20188B	2.84	6.49
008	LCS09185	LCSA	07/12/2012	17:36:40	2P20188B	2.84	6.49
009	LCSD09185	LCSDA	07/12/2012	17:47:59	2P20188B	2.85	6.49
010	MWH01	6706950	07/12/2012	17:59:21	2P20188B	2.84	6.49
011	TS-D5	6707053	07/12/2012	18:10:44	2P20188B	2.84	6.49
012	TS-83	6707054	07/12/2012	18:22:07	2P20188B	2.84	6.49
013	TS-84	6707055	07/12/2012	18:33:38	2P20188B	2.84	6.49
014	TS-85	6707056	07/12/2012	18:45:08	2P20188B	2.84	6.49
015	AR163TH	AR1631224B	07/12/2012	18:56:39	2P20188B	2.84	6.49
016	PIBLKKU	IBLKX1224C	07/12/2012	19:08:08	2P20188B	2.84	6.49
017	TS-19	6706975	07/12/2012	19:19:38	2P20188B	2.84	6.49
018	TS-07	6706964	07/12/2012	19:31:05	2P20188B	2.84	6.49
019	TS-13	6706969	07/12/2012	19:42:28	2P20188B	2.84	6.49
020	TS-15	6706971	07/12/2012	19:53:56	2P20188B	2.84	6.49
021	TS-16	6706972	07/12/2012	20:05:20	2P20188B	2.84	6.49
022	TS-28	6706999	07/12/2012	20:16:48	2P20188B	2.84	6.49
023	TS-35	6707009	07/12/2012	20:28:18	2P20188B	2.84	6.49
024		CONDITIONER	07/12/2012	21:04:47	2P20188B	2.84	6.47
025		CONDITIONER	07/12/2012	21:16:06	2P20188B	2.84	6.49
026	AR163TC	AR1631224B	07/12/2012	21:27:26	2P20188B	2.84	6.49
027	PIBLKKP	IBLKX1224C	07/12/2012	21:38:50	2P20188B	2.84	6.49
028	TS-36	6707010	07/12/2012	21:50:20	2P20188B	2.84	6.49
029	TS-37	6707011	07/12/2012	22:01:42	2P20188B	2.84	6.49
030	TS-38	6707012	07/12/2012	22:13:05	2P20188B	2.84	6.49
031	TS-39	6707013	07/12/2012	22:24:37	2P20188B	2.84	6.49
032	TS-32	6707006	07/12/2012	22:36:03	2P20188B	2.84	
033	TS-33	6707007	07/12/2012	22:47:31	2P20188B	2.84	6.49

	ICAL Dates		ICAL RT	QC Limits
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 7P20188B Lab Name: Lancaster laboratories Contract:

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

GC Column: ZBmultiR2 ID: 30

Instrument: 17342B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034		CONDITIONER	07/12/2012	22:59:00	2P20188B	2.84	6.49
035		CONDITIONER	07/12/2012	23:10:30	2P20188B	2.84	
036	AR163TI	AR1631224B	07/12/2012	23:21:59	2P20188B	2.84	6.49
037	PIBLKKV	IBLKX1224C	07/12/2012	23:33:26	2P20188B	2.83	6.48

	ICAL Dates		ICAL RT	QC Limits
2P20188B	07/09/2012 - 07/09/2012	TCX = Tetrachloro-m-xylene	2.84	(2.82 - 2.86 Minutes)
		DCB = Decachlorobiphenyl	6.49	(6.47 - 6.51 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P7190 Lab Name: Lancaster laboratories Contract:

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

GC Column: RTXCLPI ID: 0.32

Instrument: H5088A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/08/2012	15:40:12	1P7190	3.86	
002		CONDITIONER	07/08/2012	15:54:59	1P7190		
003		CONDITIONER	07/08/2012	16:09:42	1P7190		
004		CONDITIONER	07/08/2012	16:24:27	1P7190	3.86	
005	PIBLKAA	IBLKX1224C	07/08/2012	16:39:13	1P7190	3.85	9.26
006	AR161AA	AR1611224B	07/08/2012	16:53:59	1P7190	3.86	9.26
007	AR162AA	AR1621224B	07/08/2012	17:08:31	1P7190	3.86	9.26
008	AR163AA	AR1631224B	07/08/2012	17:23:16	1P7190	3.85	9.26
009	AR164AA	AR1641224B	07/08/2012	17:37:47	1P7190	3.85	9.26
010	AR165AA	AR1651224B	07/08/2012	17:52:35	1P7190	3.86	9.26
011	AR481AA	AR4811224A	07/08/2012	18:07:08	1P7190	3.86	9.26
012	AR482AA	AR4821224A	07/08/2012	18:21:54	1P7190	3.86	9.26
013	AR483AA	AR4831224A	07/08/2012	18:42:02	1P7190	3.86	9.27
014	AR481AA	AR4811224A	07/08/2012	18:56:49	1P7190	3.86	9.26
015	AR484AA	AR4841224A	07/08/2012	19:11:34	1P7190	3.86	9.26
016	AR485AA	AR4851224A	07/08/2012	19:26:11	1P7190	3.86	9.26
017	AR541AA	AR5411224A	07/08/2012	19:40:43	1P7190	3.86	9.26
018	AR542AA	AR5421224A	07/08/2012	19:55:17	1P7190	3.86	9.26
019	AR543AA	AR5431224A	07/08/2012	20:09:48	1P7190	3.85	9.26
020	AR544AA	AR5441224A	07/08/2012	20:24:23	1P7190	3.86	9.26
021	AR545AA	AR5451224A	07/08/2012	20:38:57	1P7190	3.86	9.26
022	AR623AA	AR6231224A	07/08/2012	20:53:31	1P7190		9.26
023	AR683AA	AR6831224A	07/08/2012	21:08:03	1P7190		9.26
024	AR213AA	AR2131224A	07/08/2012	21:22:36	1P7190	3.86	9.26
025	AR32XAA	AR32X1224B	07/08/2012	21:39:11	1P7190	3.86	9.27
026	AR423AA	AR4231224A	07/08/2012	21:53:46	1P7190	3.86	9.26
027	AR16XAA	AR16XX1224B	07/08/2012	22:08:19	1P7190	3.86	9.26
028	MD16XAA	MD16X1224B	07/08/2012	22:22:54	1P7190	3.86	9.26
029	IC16XAA	IC16X1224B	07/08/2012	22:37:25	1P7190	3.86	9.27
030	IC48XAA	IC48X1224A	07/08/2012	22:52:12	1P7190	3.86	9.26
031	AR482BQ	AR4821224A	07/08/2012	23:11:10	1P7190	3.86	9.27
032	IC16XNB	IC16X1224B	07/08/2012	23:25:55	1P7190	3.86	9.26
033	IC48XCC	IC48X1224A	07/08/2012	23:40:38	1P7190	3.86	9.26

	ICAL Dates		ICAL RT	QC Limits
1P7190	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.85	(3.82 - 3.88 Minutes)
		DCB = Decachlorobiphenyl	9.26	(9.23 - 9.29 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P7190 Lab Name: Lancaster laboratories Contract:

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

GC Column: RTXCLPI ID: 0.32

Instrument: H5088A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	IC54XAA	IC54X1224A	07/08/2012	23:55:22	1P7190	3.85	9.26
035	PBLK03188	BLANKA	07/09/2012	00:10:06	1P7190	3.86	9.26
036	LCS03188	LCSA	07/09/2012	00:24:54	1P7190	3.86	9.26
037	LCSD03188	LCSDA	07/09/2012	00:39:39	1P7190	3.86	9.26
038	EV13-	6711646	07/09/2012	00:54:23	1P7190	3.86	9.26
039	26588	6713123	07/09/2012	01:09:07	1P7190	3.86	9.26
040	AR163QV	AR1631224B	07/09/2012	01:23:53	1P7190	3.86	9.26
041	PIBLKII	IBLKX1224C	07/09/2012	01:38:39	1P7190	3.86	9.27
042	AA	MS1218424A	07/09/2012	01:53:23	1P7190	3.85	
043	AA	MS1218424B	07/09/2012	02:07:58	1P7190		9.25
044	PBLK17179	BLANKA	07/09/2012	02:22:30	1P7190		
045		DCBA	07/09/2012	02:37:03	1P7190	3.86	
046		DCBB	07/09/2012	02:51:41	1P7190	3.86	
047		DCBC	07/09/2012	03:06:26	1P7190	3.86	
048		DCBD	07/09/2012	03:21:12	1P7190	3.86	
049		DCBE	07/09/2012	03:35:43	1P7190	3.86	
050		DCBF	07/09/2012	03:50:17	1P7190	3.86	
051		DCBG	07/09/2012	04:04:54	1P7190	3.86	
052	PBLK09184	BLANKA	07/09/2012	04:19:29	1P7190	3.86	
053		DCBA	07/09/2012	04:34:03	1P7190	3.86	
054		DCBB	07/09/2012	04:48:38	1P7190	3.86	
055		DCBC	07/09/2012	05:03:23	1P7190	3.86	
056		DCBD	07/09/2012	05:18:11	1P7190	3.86	
057		DCBE	07/09/2012	05:32:58	1P7190	3.86	
058		DCBF	07/09/2012	05:47:44	1P7190	3.86	
059		DCBG	07/09/2012	06:02:16	1P7190	3.86	
060	AR163QU	AR1631224B	07/09/2012	06:17:03	1P7190	3.86	9.26
061	AR543AS	AR5431224A	07/09/2012	06:31:42	1P7190	3.86	9.26
062	PIBLKIH	IBLKX1224C	07/09/2012	06:46:20	1P7190	3.86	9.26
063	PBLK17188	BLANKA	07/09/2012	07:00:55	1P7190	3.86	9.26
064	LCS17188	LCSA	07/09/2012	07:15:41	1P7190	3.86	9.26
065	HC011	6712128	07/09/2012	07:30:28	1P7190	3.86	9.26
066	HC011MS	6712128	07/09/2012	07:45:20	1P7190	3.86	9.26

	ICAL Dates		ICAL RT	QC Limits
1P7190	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.85	(3.82 - 3.88 Minutes)
		DCB = Decachlorobiphenyl	9.26	(9.23 - 9.29 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P7190 Lab Name: Lancaster laboratories Contract:

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

GC Column: RTXCLPI ID: 0.32

Instrument: H5088A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
067	HC011MSD	6712128	07/09/2012	08:00:08	1P7190	3.86	9.26
068	HC012	6712129	07/09/2012	08:14:59	1P7190	3.86	9.26
069	HC013	6712130	07/09/2012	08:29:33	1P7190	3.86	9.26
070	HC014	6712131	07/09/2012	08:44:10	1P7190	3.86	9.26
071	HC141	6712136	07/09/2012	08:58:51	1P7190	3.86	9.27
072	AR163QY	AR1631224B	07/09/2012	09:13:42	1P7190	3.86	9.26
073	AR543AT	AR5431224A	07/09/2012	09:28:19	1P7190	3.86	9.26
074	PIBLKIL	IBLKX1224C	07/09/2012	09:43:08	1P7190	3.86	9.26

	ICAL Dates		ICAL RT	QC Limits
1P7190	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.85	(3.82 - 3.88 Minutes)
		DCB = Decachlorobiphenyl	9.26	(9.23 - 9.29 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P7190B Lab Name: Lancaster laboratories Contract:

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

GC Column: RTXCLPII ID: 0.32

Instrument: H5088B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/08/2012	15:40:12	1P7190B	3.70	
002		CONDITIONER	07/08/2012	15:54:59	1P7190B		
003		CONDITIONER	07/08/2012	16:09:42	1P7190B		
004		CONDITIONER	07/08/2012	16:24:27	1P7190B		
005	PIBLKAA	IBLKX1224C	07/08/2012	16:39:13	1P7190B	3.69	8.71
006	AR161AA	AR1611224B	07/08/2012	16:53:59	1P7190B	3.70	8.72
007	AR162AA	AR1621224B	07/08/2012	17:08:31	1P7190B	3.70	8.72
008	AR163AA	AR1631224B	07/08/2012	17:23:16	1P7190B	3.69	8.71
009	AR164AA	AR1641224B	07/08/2012	17:37:47	1P7190B	3.69	8.71
010	AR165AA	AR1651224B	07/08/2012	17:52:35	1P7190B	3.69	8.71
011	AR481AA	AR4811224A	07/08/2012	18:07:08	1P7190B	3.70	8.72
012	AR482AA	AR4821224A	07/08/2012	18:21:54	1P7190B	3.69	8.72
013	AR483AA	AR4831224A	07/08/2012	18:42:02	1P7190B	3.70	8.72
014	AR481AA	AR4811224A	07/08/2012	18:56:49	1P7190B	3.69	8.71
015	AR484AA	AR4841224A	07/08/2012	19:11:34	1P7190B	3.69	8.71
016	AR485AA	AR4851224A	07/08/2012	19:26:11	1P7190B	3.69	8.71
017	AR541AA	AR5411224A	07/08/2012	19:40:43	1P7190B	3.70	8.71
018	AR542AA	AR5421224A	07/08/2012	19:55:17	1P7190B	3.70	8.71
019	AR543AA	AR5431224A	07/08/2012	20:09:48	1P7190B	3.69	8.71
020	AR544AA	AR5441224A	07/08/2012	20:24:23	1P7190B	3.69	8.71
021	AR545AA	AR5451224A	07/08/2012	20:38:57	1P7190B	3.70	8.71
022	AR623AA	AR6231224A	07/08/2012	20:53:31	1P7190B		8.72
023	AR683AA	AR6831224A	07/08/2012	21:08:03	1P7190B		8.72
024	AR213AA	AR2131224A	07/08/2012	21:22:36	1P7190B	3.70	8.72
025	AR32XAA	AR32X1224B	07/08/2012	21:39:11	1P7190B	3.70	8.72
026	AR423AA	AR4231224A	07/08/2012	21:53:46	1P7190B	3.70	8.72
027	AR16XAA	AR16XX1224B	07/08/2012	22:08:19	1P7190B	3.70	8.72
028	MD16XAA	MD16X1224B	07/08/2012	22:22:54	1P7190B	3.69	8.72
029	IC16XAA	IC16X1224B	07/08/2012	22:37:25	1P7190B	3.70	8.72
030	IC48XAA	IC48X1224A	07/08/2012	22:52:12	1P7190B	3.69	8.71
031	AR482BQ	AR4821224A	07/08/2012	23:11:10	1P7190B	3.70	8.72
032	IC16XNB	IC16X1224B	07/08/2012	23:25:55	1P7190B	3.70	8.72
033	IC48XCC	IC48X1224A	07/08/2012	23:40:38	1P7190B	3.70	8.72

	ICAL Dates		ICAL RT	QC Limits
1P7190B	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.69	(3.66 - 3.72 Minutes)
		DCB = Decachlorobiphenyl	8.71	(8.68 - 8.74 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P7190B | Lab Name: Lancaster laboratories | Contract:

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

GC Column: RTXCLPII | ID: 0.32

Instrument: H5088B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	IC54XAA	IC54X1224A	07/08/2012	23:55:22	1P7190B	3.69	8.71
035	PBLK03188	BLANKA	07/09/2012	00:10:06	1P7190B	3.70	8.72
036	LCS03188	LCSA	07/09/2012	00:24:54	1P7190B	3.69	8.71
037	LCSD03188	LCSDA	07/09/2012	00:39:39	1P7190B	3.69	8.71
038	EV13-	6711646	07/09/2012	00:54:23	1P7190B	3.69	8.71
039	26588	6713123	07/09/2012	01:09:07	1P7190B	3.70	8.71
040	AR163QV	AR1631224B	07/09/2012	01:23:53	1P7190B	3.70	8.72
041	PIBLKII	IBLKX1224C	07/09/2012	01:38:39	1P7190B	3.70	8.72
042	AA	MS1218424A	07/09/2012	01:53:23	1P7190B		
043	AA	MS1218424B	07/09/2012	02:07:58	1P7190B		8.69
044	PBLK17179	BLANKA	07/09/2012	02:22:30	1P7190B		8.71
045		DCBA	07/09/2012	02:37:03	1P7190B	3.70	8.72
046		DCBB	07/09/2012	02:51:41	1P7190B	3.70	8.72
047		DCBC	07/09/2012	03:06:26	1P7190B	3.70	8.72
048		DCBD	07/09/2012	03:21:12	1P7190B	3.70	8.71
049		DCBE	07/09/2012	03:35:43	1P7190B	3.70	8.72
050		DCBF	07/09/2012	03:50:17	1P7190B	3.70	8.72
051		DCBG	07/09/2012	04:04:54	1P7190B	3.70	8.72
052	PBLK09184	BLANKA	07/09/2012	04:19:29	1P7190B	3.70	
053		DCBA	07/09/2012	04:34:03	1P7190B	3.70	8.72
054		DCBB	07/09/2012	04:48:38	1P7190B	3.70	8.72
055		DCBC	07/09/2012	05:03:23	1P7190B	3.69	8.72
056		DCBD	07/09/2012	05:18:11	1P7190B	3.70	8.72
057		DCBE	07/09/2012	05:32:58	1P7190B	3.70	8.72
058		DCBF	07/09/2012	05:47:44	1P7190B	3.70	8.72
059		DCBG	07/09/2012	06:02:16	1P7190B	3.70	8.72
060	AR163QU	AR1631224B	07/09/2012	06:17:03	1P7190B	3.70	8.72
061	AR543AS	AR5431224A	07/09/2012	06:31:42	1P7190B	3.70	8.71
062	PIBLKIH	IBLKX1224C	07/09/2012	06:46:20	1P7190B	3.70	8.71
063	PBLK17188	BLANKA	07/09/2012	07:00:55	1P7190B	3.69	8.71
064	LCS17188	LCSA	07/09/2012	07:15:41	1P7190B	3.69	8.71
065	HC011	6712128	07/09/2012	07:30:28	1P7190B	3.69	8.71
066	HC011MS	6712128	07/09/2012	07:45:20	1P7190B	3.69	8.71

	ICAL Dates		ICAL RT	QC Limits
1P7190B	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.69	(3.66 - 3.72 Minutes)
		DCB = Decachlorobiphenyl	8.71	(8.68 - 8.74 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 1P7190B Lab Name: Lancaster laboratories Contract:

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

GC Column: RTXCLPII ID: 0.32

Instrument: H5088B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
067	HC011MSD	6712128	07/09/2012	08:00:08	1P7190B	3.69	8.71
068	HC012	6712129	07/09/2012	08:14:59	1P7190B	3.69	8.71
069	HC013	6712130	07/09/2012	08:29:33	1P7190B	3.70	8.71
070	HC014	6712131	07/09/2012	08:44:10	1P7190B	3.70	8.72
071	HC141	6712136	07/09/2012	08:58:51	1P7190B	3.70	8.72
072	AR163QY	AR1631224B	07/09/2012	09:13:42	1P7190B	3.70	8.72
073	AR543AT	AR5431224A	07/09/2012	09:28:19	1P7190B	3.70	8.71
074	PIBLKIL	IBLKX1224C	07/09/2012	09:43:08	1P7190B	3.70	8.71

	ICAL Dates		ICAL RT	QC Limits
1P7190B	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.69	(3.66 - 3.72 Minutes)
		DCB = Decachlorobiphenyl	8.71	(8.68 - 8.74 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 6P7190 Lab Name: Lancaster laboratories Contract:

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

GC Column: RTXCLPI ID: 0.32

Instrument: H5088A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/16/2012	18:25:15	1P7190	3.86	9.27
002		CONDITIONER	07/16/2012	18:39:45	1P7190	3.85	9.25
003		CONDITIONER	07/16/2012	18:54:30	1P7190	3.85	9.25
004		CONDITIONER	07/16/2012	19:09:13	1P7190	3.85	9.25
005	AR163TW	AR1631224B	07/16/2012	19:24:00	1P7190	3.85	9.25
006	PIBLKLO	IBLKX1224C	07/16/2012	19:38:45	1P7190	3.85	9.25
007	PBLK18191	BLANKA	07/16/2012	19:53:32	1P7190	3.85	9.25
008	LCS18191	LCSA	07/16/2012	20:08:15	1P7190	3.85	9.25
009	LCSD18191	LCSDA	07/16/2012	20:22:46	1P7190	3.85	9.26
010	01GRB	6712426	07/16/2012	20:37:29	1P7190	3.85	9.25
011	01GFD	6712427	07/16/2012	20:52:14	1P7190	3.85	9.25
012	01FB-	6712432	07/16/2012	21:07:00	1P7190	3.85	9.25
013	TS-43	6706987	07/16/2012	21:21:44	1P7190	3.86	9.26
014	PBLK06196	BLANKA	07/16/2012	21:36:27	1P7190	3.85	9.25
015	LCS06196	LCSA	07/16/2012	21:51:12	1P7190	3.85	9.25
016	LCSD06196	LCSDA	07/16/2012	22:05:56	1P7190	3.85	9.25
017	AR163TX	AR1631224B	07/16/2012	22:20:41	1P7190	3.85	9.25
018	PIBLKLP	IBLKX1224C	07/16/2012	22:35:24	1P7190	3.85	9.25
019	MOSS1	6719616	07/16/2012	22:50:07	1P7190	3.85	9.25
020	PBLK10193	BLANKA	07/16/2012	23:04:51	1P7190	3.85	9.25
021	LCS10193	LCSA	07/16/2012	23:19:38	1P7190	3.85	9.25
022	LCSD10193	LCSDA	07/16/2012	23:34:20	1P7190	3.85	9.25
023	FB--3	6711113	07/16/2012	23:49:07	1P7190	3.85	9.25
024	AR163TY	AR1631224B	07/17/2012	00:03:48	1P7190	3.85	9.25
025	PIBLKLQ	IBLKX1224C	07/17/2012	00:18:32	1P7190	3.85	9.25
026	PBLK13192	BLANKA	07/17/2012	00:33:15	1P7190	3.85	9.25
027	LCS13192	LCSA	07/17/2012	00:48:03	1P7190	3.85	9.25
028	CJ296	6713144	07/17/2012	01:02:44	1P7190	3.86	9.26
029		CONDITIONER	07/17/2012	01:17:28	1P7190		
030	CJ296MS	6713144	07/17/2012	01:32:11	1P7190	3.86	9.27
031		CONDITIONER	07/17/2012	01:46:57	1P7190		9.27
032	CJ296MSD	6713144	07/17/2012	02:01:42	1P7190	3.86	9.27
033		CONDITIONER	07/17/2012	02:16:27	1P7190		

	ICAL Dates		ICAL RT	QC Limits
1P7190	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.85	(3.82 - 3.88 Minutes)
		DCB = Decachlorobiphenyl	9.26	(9.23 - 9.29 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 6P7190 Lab Name: Lancaster laboratories Contract:

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

GC Column: RTXCLPI ID: 0.32

Instrument: H5088A

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	AR163TZ	AR1631224B	07/17/2012	02:30:58	1P7190	3.86	9.26
035	PIBLKLR	IBLKX1224C	07/17/2012	02:45:42	1P7190	3.85	9.25
036	12115	6711399	07/17/2012	03:00:27	1P7190	3.86	9.26
037	12119	6711403	07/17/2012	03:15:01	1P7190	3.86	9.26
038	12-11	6711405	07/17/2012	03:29:44	1P7190	3.86	9.26
039	12-12	6711406	07/17/2012	03:44:29	1P7190	3.85	9.25
040	12-13	6711407	07/17/2012	03:59:12	1P7190	3.85	9.26
041	12-14	6711408	07/17/2012	04:14:00	1P7190	3.85	9.25
042		CONDITIONER	07/17/2012	04:28:40	1P7190		9.26
043	AR163UA	AR1631224B	07/17/2012	04:43:22	1P7190	3.85	9.26
044	PIBLKLS	IBLKX1224C	07/17/2012	04:58:03	1P7190	3.85	9.25
045	SB221	6707595	07/17/2012	05:12:46	1P7190	3.86	9.27
046	L73-5	6713209	07/17/2012	05:27:30	1P7190	3.85	9.28
047	L99-5	6713210	07/17/2012	05:42:16	1P7190	3.86	9.26
048	L45-5	6713211	07/17/2012	05:56:56	1P7190	3.85	9.26
049	L45-5	6713211	07/17/2012	06:11:39	1P7190	3.86	9.26
050		CONDITIONER	07/17/2012	06:26:21	1P7190		
051	L58-1	6713212	07/17/2012	06:40:58	1P7190	3.86	9.26
052	L58-1	6713212	07/17/2012	06:55:42	1P7190	3.86	9.26
053		CONDITI	07/17/2012	07:10:28	1P7190		
054	L55-1	6713213	07/17/2012	07:25:10	1P7190	3.86	9.28
055	L55-1	6713213	07/17/2012	07:39:55	1P7190		
056	L55-1	6713213	07/17/2012	07:54:41	1P7190	3.86	9.27
057	L55-4	6713214	07/17/2012	08:09:27	1P7190	3.86	9.27
058	L52-5	6713215	07/17/2012	08:24:02	1P7190	3.86	9.28
059		CONDITIONER	07/17/2012	08:38:34	1P7190		
060	AR163UB	AR1631224B	07/17/2012	08:53:21	1P7190	3.86	9.26
061	PIBLKLT	IBLKX1224C	07/17/2012	10:01:04	1P7190	3.87	9.29

	ICAL Dates		ICAL RT	QC Limits
1P7190	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.85	(3.82 - 3.88 Minutes)
		DCB = Decachlorobiphenyl	9.26	(9.23 - 9.29 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 6P7190B Lab Name: Lancaster laboratories Contract:

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

GC Column: RTXCLPII ID: 0.32

Instrument: H5088B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
001		CONDITIONER	07/16/2012	18:25:15	1P7190B	3.70	8.72
002		CONDITIONER	07/16/2012	18:39:45	1P7190B	3.69	8.71
003		CONDITIONER	07/16/2012	18:54:30	1P7190B	3.69	8.71
004		CONDITIONER	07/16/2012	19:09:13	1P7190B	3.69	8.70
005	AR163TW	AR1631224B	07/16/2012	19:24:00	1P7190B	3.69	8.70
006	PIBLKLO	IBLKX1224C	07/16/2012	19:38:45	1P7190B	3.69	8.71
007	PBLK18191	BLANKA	07/16/2012	19:53:32	1P7190B	3.69	8.71
008	LCS18191	LCSA	07/16/2012	20:08:15	1P7190B	3.69	8.71
009	LCSD18191	LCSDA	07/16/2012	20:22:46	1P7190B	3.70	8.71
010	01GRB	6712426	07/16/2012	20:37:29	1P7190B	3.69	8.71
011	01GFD	6712427	07/16/2012	20:52:14	1P7190B	3.69	8.71
012	01FB-	6712432	07/16/2012	21:07:00	1P7190B	3.69	8.70
013	TS-43	6706987	07/16/2012	21:21:44	1P7190B	3.69	8.71
014	PBLK06196	BLANKA	07/16/2012	21:36:27	1P7190B	3.69	8.71
015	LCS06196	LCSA	07/16/2012	21:51:12	1P7190B	3.69	8.71
016	LCSD06196	LCSDA	07/16/2012	22:05:56	1P7190B	3.69	8.71
017	AR163TX	AR1631224B	07/16/2012	22:20:41	1P7190B	3.69	8.71
018	PIBLKLP	IBLKX1224C	07/16/2012	22:35:24	1P7190B	3.69	8.71
019	MOSS1	6719616	07/16/2012	22:50:07	1P7190B	3.69	8.71
020	PBLK10193	BLANKA	07/16/2012	23:04:51	1P7190B	3.69	8.71
021	LCS10193	LCSA	07/16/2012	23:19:38	1P7190B	3.69	8.71
022	LCSD10193	LCSDA	07/16/2012	23:34:20	1P7190B	3.69	8.71
023	FB--3	6711113	07/16/2012	23:49:07	1P7190B	3.69	8.71
024	AR163TY	AR1631224B	07/17/2012	00:03:48	1P7190B	3.69	8.71
025	PIBLKLQ	IBLKX1224C	07/17/2012	00:18:32	1P7190B	3.69	8.71
026	PBLK13192	BLANKA	07/17/2012	00:33:15	1P7190B	3.69	8.71
027	LCS13192	LCSA	07/17/2012	00:48:03	1P7190B	3.69	8.70
028	CJ296	6713144	07/17/2012	01:02:44	1P7190B	3.70	8.71
029		CONDITIONER	07/17/2012	01:17:28	1P7190B	3.67	
030	CJ296MS	6713144	07/17/2012	01:32:11	1P7190B	3.70	8.72
031		CONDITIONER	07/17/2012	01:46:57	1P7190B	3.67	
032	CJ296MSD	6713144	07/17/2012	02:01:42	1P7190B	3.70	8.72
033		CONDITIONER	07/17/2012	02:16:27	1P7190B		

	ICAL Dates		ICAL RT	QC Limits
1P7190B	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.69	(3.66 - 3.72 Minutes)
		DCB = Decachlorobiphenyl	8.71	(8.68 - 8.74 Minutes)

FORM VIII PEST

8D
ANALYTICAL SEQUENCE

Sequence: 6P7190B Lab Name: Lancaster laboratories Contract:

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

GC Column: RTXCLPII ID: 0.32

Instrument: H5088B

THIS ANALYTICAL SEQUENCE OF BLANKS, SAMPLES AND STANDARDS IS GIVEN BELOW:

	Sample Code No.	Lab Sample ID	Date Analyzed	Time Analyzed	Calibration File	TCX	DCB
034	AR163TZ	AR1631224B	07/17/2012	02:30:58	1P7190B	3.70	8.71
035	PIBLKLR	IBLKX1224C	07/17/2012	02:45:42	1P7190B	3.69	8.71
036	12115	6711399	07/17/2012	03:00:27	1P7190B	3.70	8.71
037	12119	6711403	07/17/2012	03:15:01	1P7190B	3.70	8.71
038	12-11	6711405	07/17/2012	03:29:44	1P7190B	3.70	8.71
039	12-12	6711406	07/17/2012	03:44:29	1P7190B	3.69	8.71
040	12-13	6711407	07/17/2012	03:59:12	1P7190B	3.69	8.71
041	12-14	6711408	07/17/2012	04:14:00	1P7190B	3.69	8.71
042		CONDITIONER	07/17/2012	04:28:40	1P7190B		
043	AR163UA	AR1631224B	07/17/2012	04:43:22	1P7190B	3.69	8.71
044	PIBLKLS	IBLKX1224C	07/17/2012	04:58:03	1P7190B	3.69	8.71
045	SB221	6707595	07/17/2012	05:12:46	1P7190B	3.69	8.73
046	L73-5	6713209	07/17/2012	05:27:30	1P7190B	3.69	8.71
047	L99-5	6713210	07/17/2012	05:42:16	1P7190B	3.69	8.71
048	L45-5	6713211	07/17/2012	05:56:56	1P7190B	3.69	8.71
049	L45-5	6713211	07/17/2012	06:11:39	1P7190B	3.70	8.72
050		CONDITIONER	07/17/2012	06:26:21	1P7190B		
051	L58-1	6713212	07/17/2012	06:40:58	1P7190B	3.70	8.72
052	L58-1	6713212	07/17/2012	06:55:42	1P7190B	3.70	8.71
053		CONDITI	07/17/2012	07:10:28	1P7190B		8.68
054	L55-1	6713213	07/17/2012	07:25:10	1P7190B	3.71	8.74
055	L55-1	6713213	07/17/2012	07:39:55	1P7190B		8.72
056	L55-1	6713213	07/17/2012	07:54:41	1P7190B	3.70	8.73
057	L55-4	6713214	07/17/2012	08:09:27	1P7190B	3.70	8.72
058	L52-5	6713215	07/17/2012	08:24:02	1P7190B	3.70	8.73
059		CONDITIONER	07/17/2012	08:38:34	1P7190B		8.69
060	AR163UB	AR1631224B	07/17/2012	08:53:21	1P7190B	3.70	8.71
061	PIBLKLT	IBLKX1224C	07/17/2012	10:01:04	1P7190B	3.70	8.73

	ICAL Dates		ICAL RT	QC Limits
1P7190B	07/08/2012 - 07/08/2012	TCX = Tetrachloro-m-xylene	3.69	(3.66 - 3.72 Minutes)
		DCB = Decachlorobiphenyl	8.71	(8.68 - 8.74 Minutes)

FORM VIII PEST

Sample Data

ASX67 0168

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LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ASX67

Fraction: Polychlorinated Biphenyls (PCBs)

10736: 7 PCBs in Solids Analyte Name	Default MDL	Default LOQ	Units
PCB-1016	3.6	17	ug/kg
PCB-1221	4.6	17	ug/kg
PCB-1232	8.0	17	ug/kg
PCB-1242	3.3	17	ug/kg
PCB-1248	3.3	17	ug/kg
PCB-1254	3.3	17	ug/kg
PCB-1260	4.9	17	ug/kg

Data Summary

Sample Name: 6706974 ACF DF100 TS-18 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 10, 2012 21:16:38
Instrument	17342A
Result file	5P20188.0019.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 97% (33 - 143) Conc: 9.873947
%SSR(DCB) 124% (24 - 164) Conc: 12.228116

Analysis Report (B)

Injected on	Jul 10, 2012 21:16:38
Instrument	17342B
Result file	5P20188B.0019.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 89% (33 - 143) Conc: 9.123551
%SSR(DCB) 101% (24 - 164) Conc: 10.026376

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	77249	9.873947
Decachlorobiphenyl	6.78	6.80	6.82	53374	12.228116

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	413437	9.123551
Decachlorobiphenyl	6.47	6.49	6.51	317961	10.026376

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	9.873947				7.90	
☑ Decachlorobiphenyl	A	12.228116				19.79	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**17.50**	
4.51	4.54	4.58	6443473	20822.654893			1
4.72	4.74	4.78	3868750.75	19393.347816			2
4.78	4.81	4.84	10177011	26762.006023			3
Height summation:			**20489234.75**				
Concentration		CF:	**22326.002911**	L:			
Aroclor-1260						**26.83**	
5.38	5.41	5.44	1275124.375	5767.371557			4
5.99	6.02	6.05	2897276.5	9754.002446			5
6.42	6.45	6.48	967054.75	7131.552159			6
Height summation:			**5139455.625**				
Concentration		CF:	**7550.975387**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**18.45**	
4.47	4.50	4.53	32058354	23031.912086			1
4.54	4.56	4.60	71614848	30278.817025			2
4.71	4.74	4.77	65300960	33436.273391			3
Height summation:			**168974162**				
Concentration		CF:	**28915.667501**	L:			
Aroclor-1260						**34.90**	
5.26	5.31	5.32	18800534	11536.277999			4
5.45	5.48	5.51	31326032	6683.335263			5
6.10	6.12	6.16	6124359.5	6454.423541			6
Height summation:			**56250925.5**				
Concentration		CF:	**8224.678934**	L:			

Data Summary

Sample Name: 6706974 ACF DF100 TS-18 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 10, 2012 21:16:38
Instrument	17342A
Result file	5P20188.0019.RAW
Calibration file	2P20188
Method file	PESTDI20

Analysis Report (B)

Injected on	Jul 10, 2012 21:16:38
Instrument	17342B
Result file	5P20188B.0019.RAW
Calibration file	2P20188B
Method file	PESTDI20B

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑	Aroclor-1016			<1683.1684	<356.4357			4	40	
☑	Aroclor-1221			<1683.1684	<455.4456			3	40	
☑	Aroclor-1232			<1683.1684	<792.0792			4	40	
☑	Aroclor-1242			<1683.1684	<326.7327			4	40	
☑	Aroclor-1248			<1683.1684	<326.7327			4	40	
☑	Aroclor-1254	B	28915.667501	1683.1684	326.7327		25.72	4	40	
☑	Aroclor-1260	B	8224.678934	1683.1684	485.1485		8.54	4	40	
☐	Aroclor-1262			<1683.1684	<326.7327			4	40	
☐	Aroclor-1268			<1683.1684	<326.7327			4	40	
☐	Total PCBs	A	37140.346435	1683.1684	326.7327		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders Chemist
Date: JUL 11 2012

Verified by:
Date: 7/11/12

7/11/2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706974** ACF DF100 TS-18 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:16:38
Instrument : P 20--17342A
Result file : 5p20188.0019.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 97% (33-143) Conc.: 9.873947
%SSR(DCB) : 124% (24-164) Conc.: 12.228116

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**160.70**	
+ 3.27	3.30	3.33	6703.57666	47.323408			1
3.27	3.31	3.33	7824.026855	55.233144			1
3.61	3.63	3.66	17600.203125	98.943907			2
3.83	3.86	3.89	40805.402344	197.682641			3
3.89	3.92	3.95	78238.859375	417.875112			4
3.96	3.99	4.02	1183371.25	10440.852152			5
+ 3.96	4.02	4.02	301558.78125	2660.644874			5
4.09	4.12	4.15	573651.625	4476.603214			6
+ 4.09	4.15	4.15	65651.03125	512.320727			6
Height Summation:			**1901491.366699**				
Amount Avg CF:			**2614.531695**	Linear:			
Aroclor-1221					**3**	**9.58**	
+ 3.16	3.19	3.22	1888.601318	25.243639			1
3.16	3.21	3.22	3477.20874	46.477465			1
+ 3.22	3.22	3.28	2655.448242	41.478934			2
3.22	3.25	3.28	3184.875488	49.748754			2
+ 3.27	3.30	3.33	6703.57666	35.185203			3
3.27	3.31	3.33	7824.026855	41.066134			3
Height Summation:			**14486.111083**				
Amount Avg CF:			**45.764118**	Linear:			
Aroclor-1232					**6**	**164.51**	
+ 3.27	3.30	3.33	6703.57666	33.594151			1
3.27	3.31	3.33	7824.026855	39.20915			1
3.61	3.63	3.67	17600.203125	180.125407			2
3.83	3.86	3.89	40805.402344	356.787222			3
3.90	3.92	3.95	78238.859375	779.581235			4
E 3.96	3.99	4.02	1183371.25	21637.626245			5
+ 3.96	4.02	4.02	301558.78125	5513.921518			5
E 4.10	4.12	4.16	573651.625	8679.748438			6
+ 4.10	4.15	4.16	65651.03125	993.345806			6
Height Summation:			**1901491.366699**				
Amount Avg CF:			**5278.846283**	Linear:			
Aroclor-1242					**6**	**163.51**	
+ 3.27	3.30	3.33	6703.57666	56.629725			1
3.27	3.31	3.33	7824.026855	66.094939			1
3.61	3.63	3.67	17600.203125	119.705717			2
3.83	3.86	3.89	40805.402344	234.521748			3
3.90	3.92	3.96	78238.859375	519.668786			4
E 3.97	3.99	4.03	1183371.25	13180.862112			5
+ 3.97	4.02	4.03	301558.78125	3358.882273			5
4.10	4.12	4.16	573651.625	5227.9583			6
+ 4.10	4.15	4.16	65651.03125	598.308867			6
Height Summation:			**1901491.366699**				
Amount Avg CF:			**3224.801934**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 21:16:38
Instrument : P 20--17342B
Result file : 5p20188B.0019.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 89% (33-143) Conc.: 9.123551
%SSR(DCB) : 101% (24-164) Conc.: 10.026376

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**8**	**141.98**	
+ 3.11	3.12	3.17	7251.577637	9.919823			1
3.11	3.14	3.17	106567.48437	145.779395			1
3.11	3.16	3.17	970819.25	1328.035878			1
+ 3.45	3.45	3.51	58144.261719	65.059073			2
3.45	3.48	3.51	227297.82812	254.329244			2
+ 3.65	3.66	3.70	28461.199219	28.053842			3
3.65	3.67	3.70	118292.70312	116.599612			3
3.72	3.75	3.78	386519.6875	368.570064			4
3.79	3.79	3.85	6583213	10053.768803			5
3.79	3.81	3.85	1951922.375	2980.942023			5
+ 3.79	3.83	3.85	391057.5	597.216237			5
3.90	3.93	3.96	3432502.75	3993.160838			6
+ 3.90	3.95	3.96	483992.75	563.047151			6
Height Summation:			**13777135.078125**				
Amount Avg CF:			**2405.148232**	Linear:			
Aroclor-1221					**4**	**115.29**	
2.99	3.02	3.05	133248.01562	330.714471			1
+ 2.99	3.04	3.05	21538.410156	53.457186			1
3.05	3.09	3.11	14555.672852	49.846379			2
+ 3.05	3.11	3.11	9642.922852	33.022506			2
+ 3.11	3.12	3.17	7251.577637	7.152245			3
3.11	3.14	3.17	106567.48437	105.107721			3
3.11	3.16	3.17	970819.25	957.520946			3
Height Summation:			**1225190.422852**				
Amount Avg CF:			**360.797379**	Linear:			
Aroclor-1232					**8**	**190.46**	
+ 3.11	3.12	3.17	7251.577637	7.188949			1
3.11	3.14	3.17	106567.48437	105.647107			1
3.11	3.16	3.17	970819.25	962.434699			1
+ 3.45	3.45	3.51	58144.261719	122.743955			2
3.45	3.48	3.51	227297.82812	479.831259			2
+ 3.65	3.66	3.71	28461.199219	53.976386			3
3.65	3.67	3.71	118292.70312	224.340956			3
3.72	3.75	3.78	386519.6875	716.902034			4
E 3.79	3.79	3.85	6583213	70505.770761			5
E 3.79	3.81	3.85	1951922.375	20904.958037			5
+ 3.79	3.83	3.85	391057.5	4188.19966			5
E 3.90	3.93	3.96	3432502.75	8625.077403			6
+ 3.90	3.95	3.96	483992.75	1216.160695			6
Height Summation:			**13777135.078125**				
Amount Avg CF:			**12815.620282**	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706974** ACF DF100 TS-18 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:16:38
Instrument : P 20--17342A
Result file : 5p20188.0019.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**7**	**123.46**	
3.96	3.99	4.02	1183371.25	7322.555091			1
+ 3.96	4.02	4.02	301558.78125	1866.008481			1
4.09	4.12	4.15	573651.625	3079.04301			2
+ 4.09	4.15	4.15	65651.03125	352.378238			2
4.19	4.22	4.25	631003.625	3799.143395			3
4.37	4.38	4.43	3030394.5	20851.07837			4
+ 4.37	4.40	4.43	1031566.75	7097.84787			4
4.37	4.43	4.43	1312825.75	9033.092094			4
E 4.51	4.54	4.57	6443473	38316.415106			5
E 4.78	4.81	4.84	10177011	84090.356072			6
Height Summation:			**23351730.750000**				
Amount Avg CF:			**23784.526163**	Linear:			
Aroclor-1254					**6**	**25.83**	
4.51	4.54	4.58	6443473	20822.654893			1
4.72	4.74	4.78	3868750.75	19393.347816			2
+ 4.72	4.78	4.78	1113427.875	~~5581.412505~~			2
4.78	4.81	4.84	10177011	26762.006023			3
E 5.00	5.03	5.06	9126083	30330.898996			4
+ 5.00	5.06	5.06	52206.90625	173.511725			4
E 5.20	5.23	5.26	7659472	32590.948147			5
E 5.32	5.35	5.38	11652609	38443.045186			6
Height Summation:			**48927398.750000**				
Amount Avg CF:			**28057.150177**	Linear:			
Aroclor-1260					**6**	**79.17**	
+ 5.11	5.11	5.17	23572.011719	64.798846			1
5.11	5.14	5.17	6798607	18689.193453			1
E 5.20	5.23	5.26	7659472	44383.176804			2
E 5.32	5.35	5.38	11652609	~~29298.760334~~			3
5.38	5.41	5.44	1275124.375	5767.371557			4
5.99	6.02	6.05	2897276.5	9754.002446			5
6.42	6.45	6.48	967054.75	7131.552159			6
Height Summation:			**31250143.625000**				
Amount Avg CF:			**19170.676126**	Linear:			
Aroclor-1262					**6**	**85.84**	
+ 5.11	5.11	5.17	23572.011719	78.390641			1
E 5.11	5.14	5.17	6798607	22609.320173			1
5.38	5.41	5.44	1275124.375	3257.288002			2
E 5.55	5.56	5.61	1824338.5	6743.959467			3
+ 5.55	5.58	5.61	606006.6875	2240.200784			3
5.79	5.82	5.85	4815851.5	6531.825121			4
E 5.99	6.02	6.05	2897276.5	7043.462668			5
6.43	6.45	6.49	967054.75	3896.314689			6
Height Summation:			**18578252.625000**				
Amount Avg CF:			**8347.028353**	Linear:			
Aroclor-1268					**6**	**92.23**	
5.99	6.02	6.05	2897276.5	3617.816637			1
6.05	6.06	6.11	600181.3125	869.323434			2
6.18	6.21	6.24	50285.816406	80.314967			3
+ 6.25	6.27	6.31	94033.96875	551.727025			4
6.25	6.30	6.31	387471.125	2273.415597			4
6.43	6.45	6.49	967054.75	3387.592492			5
6.63	6.65	6.69	218479.65625	121.741921			6
Height Summation:			**5120749.160156**				
Amount Avg CF:			**1725.034175**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 21:16:38
Instrument : P 20--17342B
Result file : 5p20188B.0019.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**8**	**186.70**	
+ 3.11	3.12	3.17	7251.577637	11.978057			1
3.11	3.14	3.17	106567.48437	176.026711			1
3.11	3.16	3.17	970819.25	1603.585936			1
+ 3.45	3.45	3.51	58144.261719	81.493789			2
3.45	3.48	3.51	227297.82812	318.575914			2
+ 3.65	3.66	3.71	28461.199219	35.941357			3
3.65	3.67	3.71	118292.70312	149.382332			3
3.72	3.75	3.78	386519.6875	469.765672			4
E 3.79	3.79	3.85	6583213	43297.422085			5
E 3.79	3.81	3.85	1951922.375	12837.68381			5
+ 3.79	3.83	3.85	391057.5	2571.96321			5
3.90	3.93	3.96	3432502.75	5062.056885			6
+ 3.90	3.95	3.96	483992.75	713.764565			6
Height Summation:			**13777135.078125**				
Amount Avg CF:			**7989.312418**	Linear:			
Aroclor-1248					**8**	**114.79**	
3.79	3.79	3.85	6583213	7869.942561			1
3.79	3.81	3.85	1951922.375	2333.437635			1
+ 3.79	3.83	3.85	391057.5	467.492099			1
3.90	3.93	3.96	3432502.75	2811.990833			2
+ 3.90	3.95	3.96	483992.75	396.498787			2
+ 4.14	4.15	4.20	2273542.75	1316.393127			3
4.14	4.17	4.20	35361696	20474.60668			3
4.14	4.20	4.20	5083458.5	2943.349023			3
E 4.47	4.50	4.53	32058354	57861.243949			4
E 4.54	4.56	4.60	71614848	90829.135057			5
E 4.71	4.74	4.77	65300960	94802.522721			6
+ 4.71	4.76	4.77	8584911	12463.388289			6
Height Summation:			**221386954.625000**				
Amount Avg CF:			**34990.778557**	Linear:			
Aroclor-1254					**6**	**24.27**	
4.47	4.50	4.53	32058354	23031.912086			1
4.54	4.56	4.60	71614848	30278.817025			2
E 4.71	4.74	4.77	65300960	33436.273391			3
+ 4.71	4.76	4.77	8584911	4395.761276			3
E 4.78	4.81	4.84	57502796	45972.827357			4
+ 4.78	4.84	4.84	637715.1875	509.845995			4
4.95	4.97	5.01	41341788	33052.265906			5
E 5.03	5.06	5.09	84327312	43047.138329			6
Height Summation:			**352146058.000000**				
Amount Avg CF:			**34803.205682**	Linear:			
Aroclor-1260					**6**	**70.06**	
4.78	4.81	4.84	57502796	19707.845486			1
4.89	4.92	4.95	40907168	19399.92489			2
E 5.03	5.06	5.09	84327312	38162.316501			3
+ 5.26	5.29	5.32	10544230	~~6470.091145~~			4
5.26	5.31	5.32	18800534	11536.277999			4
+ 5.45	5.46	5.51	6946920.5	~~1482.109153~~			5
5.45	5.48	5.51	31326032	6683.335263			5
+ 6.10	6.10	6.16	20761.605469	~~21.880524~~			6
6.10	6.12	6.16	6124359.5	6454.423541			6
Height Summation:			**238988201.500000**				
Amount Avg CF:			**16990.68728**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706974** ACF DF100 TS-18 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:16:38
Instrument : P 20--17342A
Result file : 5p20188.0019.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 10, 2012 21:16:38
Instrument : P 20--17342B
Result file : 5p20188B.0019.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					7	131.65	
E 4.89	4.92	4.95	40907168	22338.993553			1
5.06	5.11	5.12	1132298.875	348.730694			2
+ 5.26	5.29	5.32	10544230	4150.886198			3
E 5.26	5.31	5.32	18800534	7401.097765			3
+ 5.45	5.46	5.51	6946920.5	1093.311488			4
5.45	5.48	5.51	31326032	4930.114092			4
+ 5.67	5.67	5.73	84804.976563	37.337313			5
5.67	5.70	5.73	5368742.5	2363.71058			5
+ 6.10	6.10	6.16	20761.605469	11.802724			6
6.10	6.12	6.16	6124359.5	3481.624948			6
6.10	6.16	6.16	181478.46875	103.168334			6
Height Summation:			**103840613.343750**				
Amount Avg CF:			**5852.491424**	Linear:			
Aroclor-1268					8	138.83	
+ 5.67	5.67	5.73	84804.976563	11.626392			1
5.67	5.70	5.73	5368742.5	736.031173			1
5.72	5.74	5.78	25698142	4102.136081			2
5.87	5.90	5.93	429299.84375	102.694379			3
5.94	5.94	6.00	832081.8125	750.429113			4
+ 5.94	5.97	6.00	69676.453125	62.83906			4
5.94	5.99	6.00	107280.58593	96.753076			4
+ 6.10	6.10	6.16	20761.605469	10.112735			5
6.10	6.12	6.16	6124359.5	2983.103897			5
6.10	6.16	6.16	181478.46875	88.39604			5
6.30	6.33	6.36	1215327	84.84519			6
Height Summation:			**39956711.710938**				
Amount Avg CF:			**1118.048619**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1683.1684	356.4357		8.34	4	40	
Aroclor-1221			1683.1684	455.4456		** 154.97	3	40	
Aroclor-1232			1683.1684	792.0792	E	** 83.30	4	40	
Aroclor-1242			1683.1684	326.7327	E	** 84.97	4	40	
Aroclor-1248			1683.1684	326.7327	E	38.13	4	40	
Aroclor-1254			1683.1684	326.7327	E	21.46	4	40	
Aroclor-1260			1683.1684	485.1485	E	12.06	4	40	
Aroclor-1262			1683.1684	326.7327	E	35.14	4	40	
Aroclor-1268			1683.1684	326.7327		** 42.70	4	40	
Total PCBs			1683.1684	326.7327					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706974ACF DF100 ADTS-18 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/10/2012 9:16:37 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0019.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.544		10531	22915
2.583		12703	33101
2.663		18191	43170
2.683		16886	15427
2.707		10524	11019
2.734		33537	31603
2.753		181876	155782
2.794		4377	2982
2.819		3089	2674
2.834		3369	3072
2.861		11977	13171
2.894		2180	891
2.91		20017	14090
2.996		9480	16484
3.038	TCX	77249	54238
3.063		15856	15971
3.091		2819	1367
3.126		9454	11063
3.151		33166	26888
3.194		1889	2209
3.207		3477	2204
3.224		2655	1639
3.25		3185	1988
3.298		6704	3789
3.311		7824	4438
3.349		181776	172097
3.394		4403	3046
3.421		3040	2277
3.447		4098	5664
3.469		5515	4877
3.499		2991	2737
3.517		12612	7696
3.535		8465	5119
3.571		4190	4627
3.604		13988	9989
3.633		17600	13351
3.689		625	4139
3.715		1505	818
3.729		1679	1172
3.75		6275	3937
3.765		6987	4644
3.823		162456	250274
3.863		40805	34956
3.923		78239	79864
3.993		1183371	1039715
4.021		301559	235014
4.044		80926	55827
4.08		2124	979
4.123		573652	515239
4.149		65651	45911
4.181		124001	107041
4.218		631004	610281
4.26		80992	78294
4.291		28242	28615

ASX67 8175

RT A	Compound A	Height A	Area A
4.345		126699	117202
4.384		3030395	2538596
4.404		1031567	663706
4.43		1312826	1088366
4.499		1391251	1409679
4.543		6443473	7272774
4.581		2836000	2718978
4.622		110211	84723
4.645		407596	367451
4.69		2232692	2405434
4.743		3868751	4065440
4.776		1113428	818011
4.808		10177010	10570070
4.857		1224228	1580360
4.895		1420544	1248686
4.936		4235142	5116984
4.987		900491	902504
5.029		9126083	10356250
5.06		52207	23782
5.088		1055523	1079698
5.111		23572	7166
5.14		6798607	10900470
5.192		327974	277387
5.234		7659472	8664936
5.277		747999	627706
5.309		710920	974106
5.35		11652610	15159770
5.412		1275124	1203209
5.456		1131225	1408829
5.561		1824339	1808063
5.577		606007	528453
5.614		15813	11771
5.636		803565	779621
5.675		584366	589736
5.717		92099	99681
5.76		2406161	2544709
5.786		193011	105539
5.816		4815852	5335604
5.903		31895	65349
5.977		45186	61174
6.025		2897277	3366807
6.06		600181	1311234
6.21		50286	102291
6.27		94034	81088
6.296		387471	386247
6.358		7207	7578
6.453		967055	1141204
6.498		55547	62398
6.653		218480	281032
6.802	DCB	53374	64355
6.836		3666	4352
6.877		5768	7264
6.978		28112	49159
7.083		4761	6366
7.137		2074	1770
7.218		1496	1184
7.361		3484	6392
7.445		1159	403
7.497		3565	9069
7.79		1379	2953
7.876		1431	617
7.997		1781	756
8.072		1557	770
8.143		1419	1992
8.254		844	610
8.336		1870	2759

ASX67 9126

RT A	Compound A	Height A	Area A
8.422		1508	631
8.607		1953	3336
8.663		3684	8617

ASX67 8177

LANCASTER LABORATORIES

Sample Number: 6706974ACF DF100 ADTS-18 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/10/2012 9:16:37 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0019.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.519		37722	53644
2.582		1056079	911226
2.611		82855	120586
2.647		45897	24836
2.677		70388	126050
2.712		57643	55467
2.759		46576	78145
2.787		55758	56433
2.816		81114	66242
2.845	TCX	413437	326880
2.901		70790	83661
2.95		66600	157716
2.988		49024	63959
3.016		133248	82692
3.042		21538	15627
3.089		14556	25791
3.105		9643	4698
3.116		7252	3356
3.137		106568	63901
3.164		970819	787960
3.23		32312	16655
3.259		58149	104579
3.298		18027	13800
3.317		34851	35745
3.351		104171	142348
3.453		58144	47358
3.477		227298	366013
3.533		30027	55509
3.561		119944	143218
3.629		121628	88164
3.638		377503	193888
3.661		28461	13419
3.675		118293	69305
3.753		386520	307179
3.787		6583213	4991874
3.813		1951922	1302058
3.834		391058	223502
3.885		41996	26976
3.927		3432503	2608485
3.954		483993	322210
3.977		671948	593784
4.027		3370132	2928405
4.074		432422	403796
4.115		532039	471305
4.146		2273543	1408591
4.17		35361700	28743150
4.198		5083459	3330943
4.22		1737763	961361
4.237		6931068	4882575
4.276		42341020	36064250
4.312		19165820	15173970
4.335		5141464	3541111
4.399		2693443	2361810
4.437		14378170	13593130

ASX67 8178

RT B	Compound B	Height B	Area B
4.499		32058350	28765390
4.535		9604646	7581519
4.564		71614850	67043210
4.604		6171978	6765156
4.662		38036360	41029270
4.701		5990543	5245083
4.736		65300960	55955080
4.761		8584911	5915923
4.807		57502800	55799100
4.837		637715	434107
4.92		40907170	42051460
4.975		41341790	40015740
5.016		13292840	12765920
5.058		84327310	107600500
5.108		1132299	532125
5.131		6566309	5481603
5.198		1158033	1333106
5.251		5358082	7255039
5.289		10544230	8721416
5.315		18800530	16937560
5.363		6925063	6915229
5.401		3644641	3021840
5.425		1928557	1509562
5.461		6946921	5001700
5.481		31326030	25193970
5.559		919223	902604
5.6		15996	7548
5.618		94235	72831
5.674		84805	69899
5.698		5368743	5134965
5.744		25698140	29965910
5.843		113339	218757
5.899		429300	504133
5.944		832082	774328
5.97		69676	37942
5.991		107281	68423
6.021		2581465	2674575
6.096		20762	13751
6.125		6124360	6032386
6.155		181479	138075
6.326		1215327	1318489
6.49	DCB	317961	353328
6.523		19001	18352
6.675		32924	34334
6.714		12411	11361
6.903		96644	120283
7.031		8611	23146
7.142		15441	57207
7.511		14434	23253
7.794		5262	21749
7.935		8325	16084
8.047		6022	9797
8.216		7506	9078
8.323		4749	6796
8.384		6689	15181
8.644		4389	2769
8.682		15238	14040

ASX67 0179

6706974ACF DF100 ADTS-18 T 121840016A 10736 SW-846 8082

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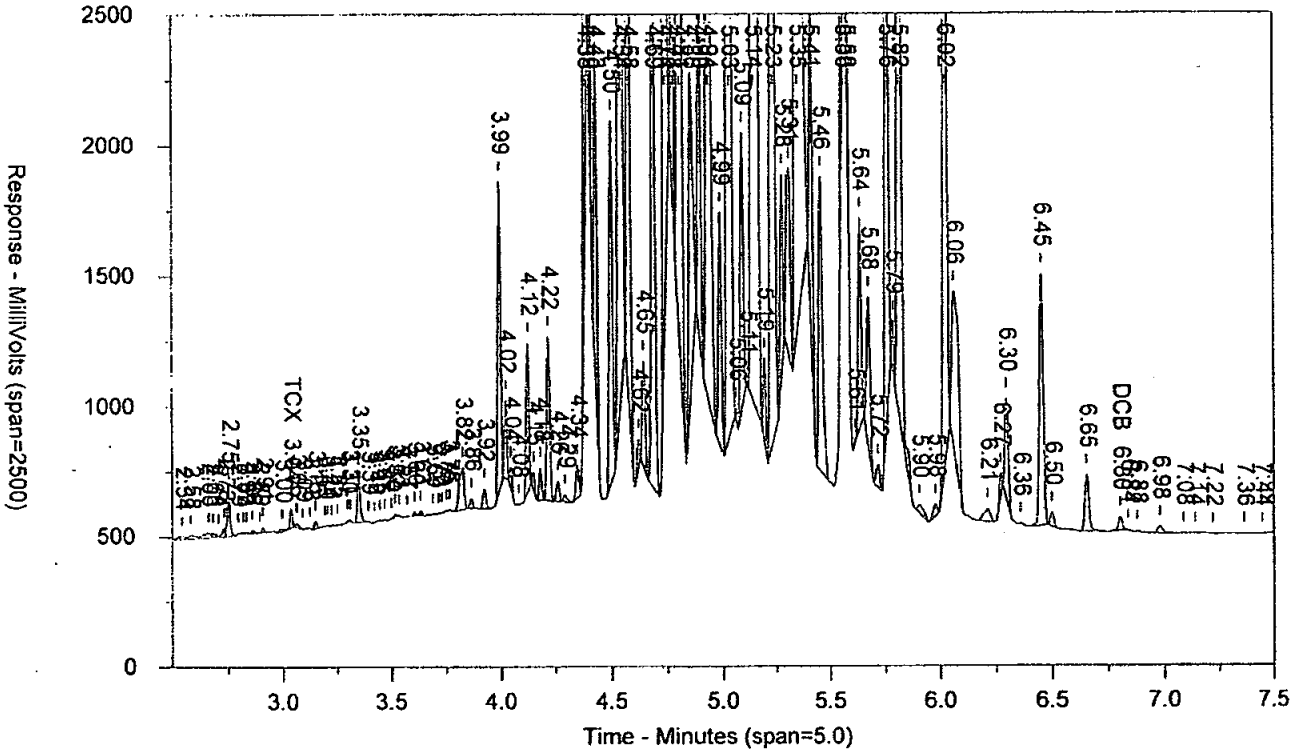

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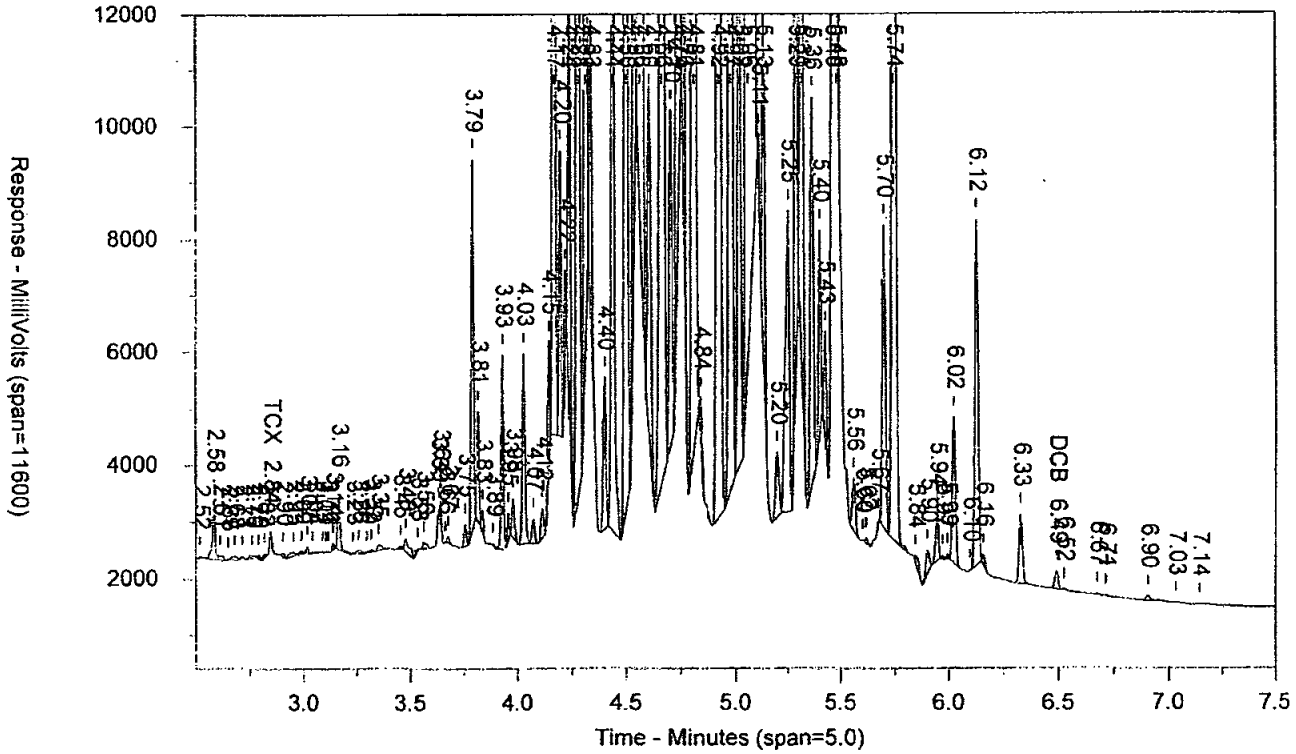

ASX67 0188

LANCASTER LABORATORIES

Sample Number: 6706974ACF DF100 ADTS-18 T 121840016A 10736 Sample Weight: 3818-846 8082
Injected On: 7/10/2012 9:16:37 PM Dilution Factor: 1000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	77249	9.874	TCX	2.845	413437	9.124	TCX
6.802	53374	12.228	DCB	6.49	317961	10.026	DCB

Files:
Area File: 5p20188.0019.RAW
Area File: 5p20188B.0019.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 9:25:19 PM
File Reported On: 7/10/2012 at 9:25:24 PM

ASX67 9181

6706974ACF DF100 ADTS-18 T 121840016A 10736 SW-846 8082

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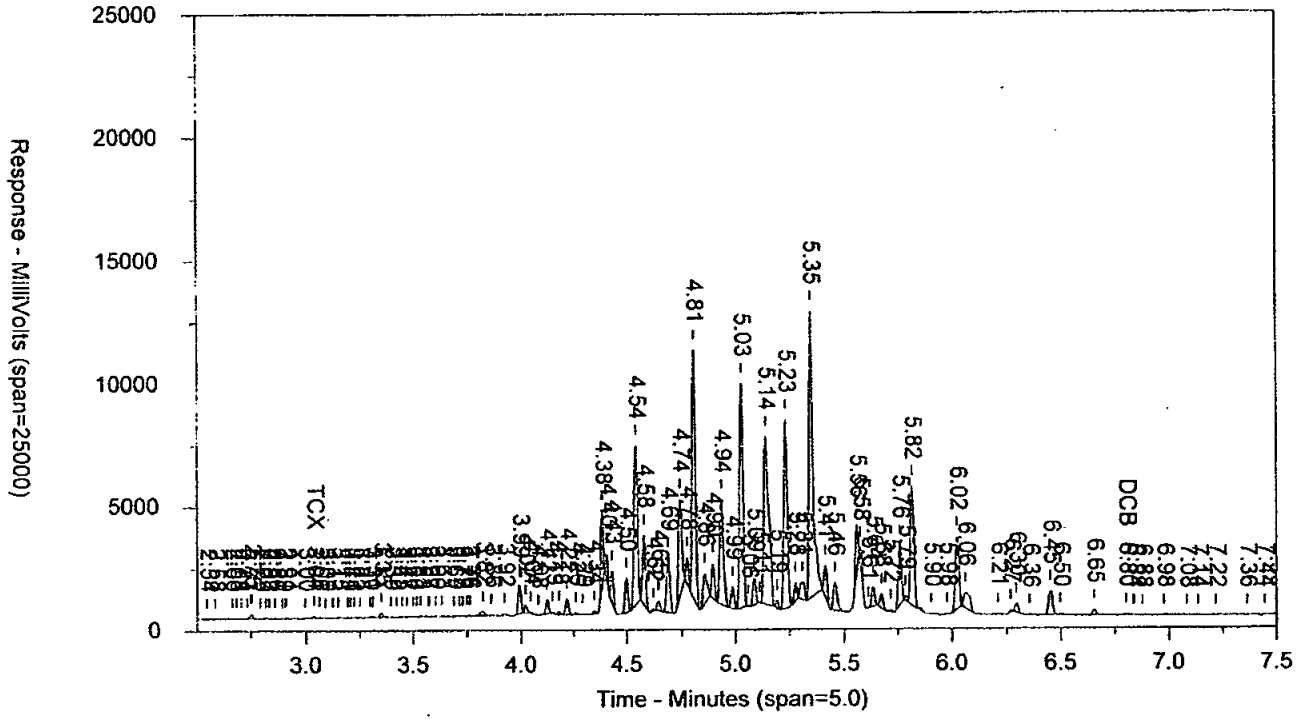

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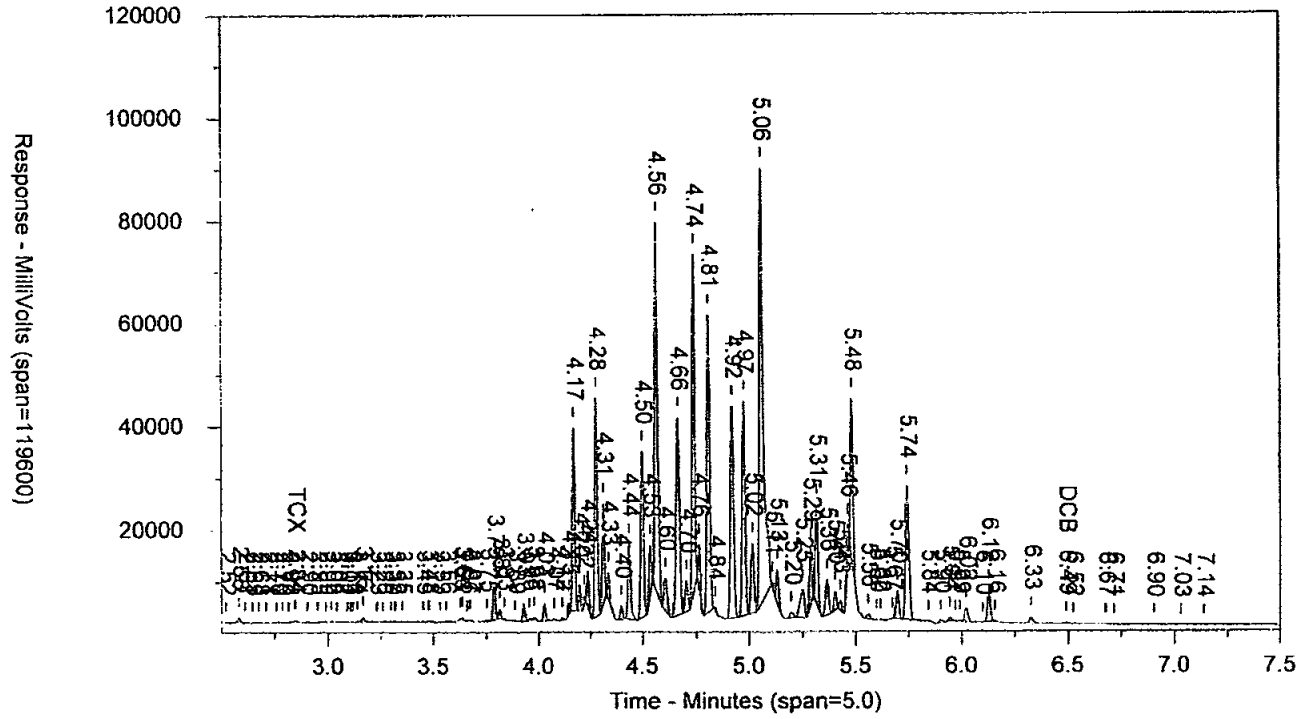

ASX67 0182

Data Summary

Sample Name: 6706975 ACF DF500 TS-19 Sample ID: AF **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on Jul 12, 2012 19:19:38
Instrument 17342A
Result file 7P20188.0017.RAW
Calibration file 2P20188
Method file PESTDI20

%SSR(TCX) 79% (33 - 143) Conc: 8.13013
%SSR(DCB) * 322% (24 - 164) Conc: 32.16061

Analysis Report (B)

Injected on Jul 12, 2012 19:19:38
Instrument 17342B
Result file 7P20188B.0017.RAW
Calibration file 2P20188B
Method file PESTDI20B

%SSR(TCX) 73% (33 - 143) Conc: 7.544293
%SSR(DCB) * 230% (24 - 164) Conc: 22.992094

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	12595	8.13013
Decachlorobiphenyl	6.78	6.80	6.82	27798	32.16061

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	67697	7.544293
Decachlorobiphenyl	6.47	6.49	6.51	144383	22.992094

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	8.13013				7.48	
☑ Decachlorobiphenyl	A	32.16061				33.25	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**19.74**	
4.51	4.54	4.58	1564837.625	25537.403106			1
4.72	4.75	4.78	1025380	25957.223828			2
4.78	4.81	4.84	2686400.5	35674.717571			3
Height summation:			**5276618.125**				
Concentration		CF:	**29056.448168**	L:			
Aroclor-1260						**16.76**	
5.38	5.41	5.44	566350.9375	12936.07042			4
5.99	6.03	6.05	1065480.375	18114.641146			5
6.42	6.45	6.48	411855.125	15338.003722			6
Height summation:			**2043686.4375**				
Concentration		CF:	**15462.905096**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**39.37**	
4.47	4.50	4.53	8104131	29402.657857			1
4.54	4.56	4.60	17278794	36892.715245			2
4.71	4.74	4.77	23765576	61452.281322			3
Height summation:			**49148501**				
Concentration		CF:	**42582.551475**	L:			
Aroclor-1260						**8.59**	
5.26	5.29	5.32	3877468.75	12015.316032			4
5.45	5.48	5.51	11094308	11953.069447			5
6.10	6.12	6.16	2604255.25	13860.270201			6
Height summation:			**17576032**				
Concentration		CF:	**12609.551893**	L:			

Data Summary

Sample Name: 6706975 ACF DF500 TS-19 Sample ID: AF **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 12, 2012 19:19:38
Instrument	17342A
Result file	7P20188.0017.RAW
Calibration file	2P20188
Method file	PESTDI20

Analysis Report (B)

Injected on	Jul 12, 2012 19:19:38
Instrument	17342B
Result file	7P20188B.0017.RAW
Calibration file	2P20188B
Method file	PESTDI20B

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑	Aroclor-1016			<8500	<1800			4	40	
☑	Aroclor-1221			<8500	<2300			3	40	
☑	Aroclor-1232			<8500	<4000			4	40	
☑	Aroclor-1242			<8500	<1650			4	40	
☑	Aroclor-1248			<8500	<1650			4	40	
☑	Aroclor-1254	B	42582.551475	8500	1650		37.76	4	40	
☑	Aroclor-1260	A	15462.905096	8500	2450		20.33	4	40	
☐	Aroclor-1262			<8500	<1650			4	40	
☐	Aroclor-1268			<8500	<1650			4	40	
☐	Total PCBs	A	58045.456571	8500	1650		200.00			

Units: ug/kg

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

Reviewed by: Jessica L. Miller
Jessica L. Miller
Chemist
Date: JUL 12 2012

Verified by: Melissa A. McDermott
Melissa A. McDermott
Senior Chemist Group Leader
Date: JUL 13 2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706975** ACF DF500 TS-19 Sample ID: AF **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 12, 2012 19:19:38
Instrument : P 20–17342A
Result file : 7p20188.0017.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET
%SSR(TCX) : 79% (33-143) Conc.: 8.13013
%SSR(DCB) : *322% (24-164) Conc.: 32.16061

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	106.14	
3.27	3.30	3.33	16921.23046!	603.243623			1
+ 3.61	3.61	3.66	14399.37793	408.795841			2
3.61	3.64	3.66	45809.73437!	1300.53041			2
3.83	3.86	3.89	36444.04296!	891.597382			3
3.89	3.93	3.95	118109.3671!	3185.662047			4
+ 3.96	3.97	4.02	4846.689453	215.949145			5
3.96	3.99	4.02	256975.2812!	11449.793283			5
4.09	4.13	4.15	181146.4687!	7138.740746			6
+ 4.09	4.15	4.15	49486.52734.	1950.198044			6
Height Summation:			655406.125001				
Amount Avg CF:			4094.927915	Linear:			
Aroclor-1221					3	59.96	
3.16	3.21	3.22	1630.931763	110.087707			1
3.22	3.25	3.28	3656.623291	288.443883			2
3.27	3.30	3.33	16921.23046!	448.514813			3
Height Summation:			22208.785523				
Amount Avg CF:			282.348801	Linear:			
Aroclor-1232					7	127.32	
3.27	3.30	3.33	16921.23046!	428.233261			1
3.61	3.64	3.67	45809.73437!	2367.589643			2
3.83	3.86	3.89	36444.04296!	1609.198213			3
3.90	3.93	3.95	118109.3671!	5943.121003			4
3.96	3.97	4.02	4846.689453	447.533096			5
3.96	3.99	4.02	256975.2812!	23728.556255			5
+ 3.96	4.02	4.02	97867.03125	9036.835548			5
4.10	4.13	4.16	181146.4687!	13841.404045			6
+ 4.10	4.15	4.16	49486.52734.	3781.266201			6
Height Summation:			660252.814454				
Amount Avg CF:			6909.376502	Linear:			
Aroclor-1242					7	121.38	
3.27	3.30	3.33	16921.23046!	721.873632			1
3.61	3.64	3.67	45809.73437!	1573.426097			2
3.83	3.86	3.89	36444.04296!	1057.750821			3
3.90	3.93	3.96	118109.3671!	3961.683967			4
3.97	3.97	4.03	4846.689453	272.621034			5
3.97	3.99	4.03	256975.2812!	14454.58132			5
+ 3.97	4.02	4.03	97867.03125	5504.914538			5
4.10	4.13	4.16	181146.4687!	8336.910186			6
+ 4.10	4.15	4.16	49486.52734.	2277.520157			6
Height Summation:			660252.814454				
Amount Avg CF:			4339.835294	Linear:			
Aroclor-1248					7	120.99	
+ 3.96	3.97	4.02	4846.689453	151.453108			1
3.96	3.99	4.02	256975.2812!	8030.162757			1
4.09	4.13	4.15	181146.4687!	4910.082208			2
+ 4.09	4.15	4.15	49486.52734.	1341.361601			2
4.19	4.22	4.25	271906.6875	8267.326406			3
4.37	4.39	4.43	568067.1875	19738.785141			4
4.37	4.41	4.43	611193.6875	21237.313371			4
+ 4.37	4.43	4.43	699314.625	24299.275565			4
4.51	4.54	4.57	1564837.625	46992.16998			5
4.78	4.81	4.84	2686400.5	112095.472243			6
Height Summation:			6140527.437500				
Amount Avg CF:			31610.187444	Linear:			

Analysis Report (B)

Injected on : JUL 12, 2012 19:19:38
Instrument : P 20–17342B
Result file : 7p20188B.0017.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET
%SSR(TCX) : 73% (33-143) Conc.: 7.544293
%SSR(DCB) : *230% (24-164) Conc.: 22.992094

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					9	110.04	
3.11	3.12	3.17	15533.96972:	107.311248			1
3.11	3.14	3.17	56952.62890(	393.43824			1
+ 3.11	3.16	3.17	362856.875	2506.675686			1
+ 3.45	3.45	3.51	71179.30468(	402.203753			2
3.45	3.48	3.51	262883.625	1485.442729			2
3.65	3.68	3.70	96317.00781:	479.439149			3
3.72	3.75	3.78	576618.5	2776.696253			4
+ 3.79	3.79	3.85	1332883.875	10279.56329			5
3.79	3.81	3.85	746689.625	5758.673656			5
3.79	3.84	3.85	354374.2812!	2733.030927			5
3.90	3.91	3.96	9052.270508	53.180791			6
3.90	3.93	3.96	1181490	6941.084369			6
+ 3.90	3.96	3.96	452043.5937!	2655.691307			6
Height Summation:			3299911.908204				
Amount Avg CF:			2303.144151	Linear:			
Aroclor-1221					4	108.31	
2.99	3.02	3.05	107357.5625	1345.601478			1
+ 3.05	3.05	3.11	12011.53320:	207.726135			2
3.05	3.08	3.11	21749.14648.	376.12735			2
3.11	3.12	3.17	15533.96972:	77.371982			3
3.11	3.14	3.17	56952.62890(	283.671068			3
+ 3.11	3.16	3.17	362856.875	1807.326529			3
Height Summation:			201593.307617				
Amount Avg CF:			520.69297	Linear:			
Aroclor-1232					9	145.19	
3.11	3.12	3.17	15533.96972:	77.769035			1
3.11	3.14	3.17	56952.62890(	285.126795			1
+ 3.11	3.16	3.17	362856.875	1816.601268			1
+ 3.45	3.45	3.51	71179.30468(	758.819278			2
3.45	3.48	3.51	262883.625	2802.516313			2
3.65	3.68	3.71	96317.00781:	922.454504			3
3.72	3.75	3.78	576618.5	5400.924778			4
E+ 3.79	3.79	3.85	1332883.875	72089.238081			5
E 3.79	3.81	3.85	746689.625	40384.828085			5
3.79	3.84	3.85	354374.2812!	19166.389818			5
3.90	3.91	3.96	9052.270508	114.868512			6
3.90	3.93	3.96	1181490	14992.481489			6
+ 3.90	3.96	3.96	452043.5937!	5736.19346			6
Height Summation:			3299911.908204				
Amount Avg CF:			9349.706592	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706975** ACF DF500 TS-19 Sample ID: AF **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 12, 2012 19:19:38
Instrument : P 20--17342A
Result file : 7p20188.0017.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	37.85	
4.51	4.54	4.58	1564837.625	25537.403106			1
4.72	4.75	4.78	1025380	25957.223828			2
4.78	4.81	4.84	2686400.5	35674.717571			3
5.00	5.03	5.06	3349387.5	36215.700590			4
5.20	5.23	5.26	2835964.5	60938.297448			5
5.32	5.35	5.38	3487321.5	58100.24438			6
Height Summation:			**14949291.625000**				
Amount Avg CF:			**43737.264489**	Linear:			
Aroclor-1260					6	78.95	
+ 5.11	5.11	5.17	14464.39160	200.799283			1
5.11	5.14	5.17	2120099.75	29431.898762			1
5.20	5.23	5.26	2835964.5	82987.313457			2
5.32	5.35	5.38	3487321.5	44280.184549			3
5.38	5.41	5.44	566350.9375	12936.07042			4
5.99	6.03	6.05	1065480.375	18114.641146			5
6.42	6.45	6.48	411855.125	15338.003722			6
Height Summation:			**10487072.187500**				
Amount Avg CF:			**33848.018676**	Linear:			
Aroclor-1262					6	83.01	
+ 5.11	5.11	5.17	14464.39160	242.917667			1
E 5.11	5.14	5.17	2120099.75	35605.347235			1
5.38	5.41	5.44	566350.9375	7306.015672			2
+ 5.55	5.56	5.61	681552.9375	12723.321044			3
5.55	5.58	5.61	257925.2656	4814.983223			3
5.79	5.82	5.85	1753768.375	12012.269304			4
5.99	6.03	6.05	1065480.375	13080.763447			5
6.43	6.45	6.49	411855.125	8379.899337			6
Height Summation:			**6175479.828125**				
Amount Avg CF:			**13533.213036**	Linear:			
Aroclor-1268					6	111.92	
5.99	6.03	6.05	1065480.375	6718.826499			1
6.05	6.07	6.11	308718.4375	2258.150324			2
6.18	6.21	6.24	21386.05468	172.493612			3
6.25	6.27	6.31	25974.63476	769.627017			4
+ 6.25	6.30	6.31	158989.4218	4710.847934			4
6.43	6.45	6.49	411855.125	7285.778059			5
6.63	6.66	6.69	95935.0625	269.959038			6
Height Summation:			**1929349.689454**				
Amount Avg CF:			**2912.472425**	Linear:			

Analysis Report (B)

Injected on : JUL 12, 2012 19:19:38
Instrument : P 20--17342B
Result file : 7p20188B.0017.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					9	142.90	
3.11	3.12	3.17	15533.96972	129.576927			1
3.11	3.14	3.17	56952.62890	475.071524			1
+ 3.11	3.16	3.17	362856.875	3026.778074			1
+ 3.45	3.45	3.51	71179.30468	503.805329			2
3.45	3.48	3.51	262883.625	1860.68369			2
3.65	3.68	3.71	96317.00781	614.236507			3
3.72	3.75	3.78	576618.5	3539.073593			4
E+ 3.79	3.79	3.85	1332883.875	44269.825509			5
3.79	3.81	3.85	746689.625	24800.224557			5
3.79	3.84	3.85	354374.2812	11770.033302			5
3.90	3.91	3.96	9052.270508	67.416316			6
3.90	3.93	3.96	1181490	8799.085573			6
+ 3.90	3.96	3.96	452043.5937	3366.571248			6
Height Summation:			**3299911.908204**				
Amount Avg CF:			**5783.933554**	Linear:			
Aroclor-1248					9	139.13	
+ 3.79	3.79	3.85	1332883.875	8046.691169			1
3.79	3.81	3.85	746689.625	4507.805161			1
3.79	3.84	3.85	354374.2812	2139.37647			1
3.90	3.91	3.96	9052.270508	37.450006			2
3.90	3.93	3.96	1181490	4887.92373			2
+ 3.90	3.96	3.96	452043.5937	1870.142455			2
4.14	4.15	4.20	1617996.75	4730.984118			3
4.14	4.17	4.20	9217730	26952.423874			3
+ 4.14	4.20	4.20	3810958.5	11143.152258			3
4.47	4.50	4.53	8104131	73865.962701			4
+ 4.54	4.54	4.60	4362866.5	27943.795347			5
4.54	4.56	4.60	17278794	110669.231656			5
E 4.71	4.74	4.77	23765576	174236.860315			6
+ 4.71	4.76	4.77	1895127.625	13894.091491			6
Height Summation:			**62275833.926758**				
Amount Avg CF:			**44669.779781**	Linear:			
Aroclor-1254					6	29.08	
4.47	4.50	4.53	8104131	29402.657857			1
+ 4.54	4.54	4.60	4362866.5	9315.348712			2
4.54	4.56	4.60	17278794	36892.715245			2
4.71	4.74	4.77	23765576	61452.281322			3
+ 4.71	4.76	4.77	1895127.625	4900.361597			3
4.78	4.81	4.84	16213347	65460.044038			4
+ 4.78	4.84	4.84	270538.9687	1092.278652			4
4.95	4.98	5.01	15576542	62888.957656			5
5.03	5.06	5.09	21670820	55865.37746			6
+ 5.03	5.09	5.09	1596902	4116.666236			6
Height Summation:			**102609210.000000**				
Amount Avg CF:			**51993.672263**	Linear:			
Aroclor-1260					6	61.68	
4.78	4.81	4.84	16213347	28061.716183			1
+ 4.78	4.84	4.84	270538.9687	468.243094			1
4.89	4.92	4.95	11105887	26597.771348			2
5.03	5.06	5.09	21670820	49525.991711			3
5.26	5.29	5.32	3877468.75	12015.316032			4
+ 5.26	5.32	5.32	6034241.5	18698.62101			4
+ 5.45	5.46	5.51	1854059	1997.573529			5
5.45	5.48	5.51	11094308	11953.069447			5
6.10	6.12	6.16	2604255.25	13860.270201			6
Height Summation:			**66566086.000000**				
Amount Avg CF:			**23669.022487**	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706975** ACF DF500 TS-19 Sample ID: AF **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 12, 2012 19:19:38
Instrument : P 20--17342A
Result file : 7p20188.0017.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 12, 2012 19:19:38
Instrument : P 20--17342B
Result file : 7p20188B.0017.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**97.11**	
4.89	4.92	4.95	11105887	30627.306344			1
5.06	5.09	5.12	1596902	2483.697654			2
5.26	5.29	5.32	3877468.75	7708.424558			3
+ 5.26	5.32	5.32	6034241.5	11996.098064			3
+ 5.45	5.46	5.51	1854059	1473.555496			4
5.45	5.48	5.51	11094308	8817.453234			4
+ 5.67	5.67	5.73	112498.3281:	250.126184			5
5.67	5.70	5.73	2484442.25	5523.851498			5
6.10	6.12	6.16	2604255.25	7476.463577			6
+ 6.10	6.16	6.16	79586.00781:	228.480633			6
Height Summation:			**32763263.250000**				
Amount Avg CF:			**10439.532811**	Linear:			
Aroclor-1268					**6**	**124.11**	
+ 5.67	5.67	5.73	112498.3281:	77.886299			1
5.67	5.70	5.73	2484442.25	1720.061218			1
5.72	5.74	5.78	9716344	7832.539337			2
5.87	5.90	5.93	207914.7812!	251.167054			3
+ 5.94	5.94	6.00	274874.5312!	1251.899629			4
5.94	5.97	6.00	53622.4375	244.220188			4
6.10	6.12	6.16	2604255.25	6405.936299			5
+ 6.10	6.16	6.16	79586.00781:	195.765333			5
6.30	6.33	6.36	555614.9375	195.884177			6
Height Summation:			**15622193.656250**				
Amount Avg CF:			**2774.968046**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			8500	1800		** 56.01	4	40	
Aroclor-1221			8500	2300		** 59.36	3	40	
Aroclor-1232			8500	4000		30.02	4	40	
Aroclor-1242			8500	1650		28.53	4	40	
Aroclor-1248			8500	1650		34.24	4	40	
Aroclor-1254			8500	1650		17.25	4	40	
Aroclor-1260			8500	2450		35.39	4	40	
Aroclor-1262			8500	1650	E	25.81	4	40	
Aroclor-1268			8500	1650		4.84	4	40	
Total PCBs			8500	1650					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706975ACF DF500 AFTS-19 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/12/2012 7:19:37 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 7p20188.0017.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.522		2629	1705
2.591		2044	2337
2.646		5324	5368
2.684		5879	5777
2.734		14886	10247
2.753		202619	153550
2.834		3035	8624
2.872		1176	1905
2.896		1370	1430
2.909		4340	2854
2.961		2509	3679
3.015		1755	6444
3.038	TCX	12595	9272
3.061		14255	12123
3.106		2318	2419
3.124		3732	2903
3.151		22645	16318
3.21		1631	3231
3.249		3657	4903
3.299		16921	16463
3.351		69970	65695
3.392		3830	3750
3.451		1706	1956
3.475		3393	2372
3.519		13011	8534
3.536		8634	5542
3.576		3381	3168
3.606		14399	11664
3.639		45810	38233
3.673		1703	831
3.751		13325	9723
3.767		6465	3313
3.825		269555	362564
3.865		36444	33242
3.926		118109	105669
3.967		4847	3201
3.995		256975	216747
4.023		97867	76766
4.045		61677	48323
4.125		181147	154831
4.15		49487	36024
4.183		70266	57545
4.22		271907	276303
4.261		47047	41302
4.305		9969	13032
4.349		42803	39284
4.386		568067	465082
4.407		611194	428102
4.43		699315	529808
4.464		7220	5465
4.501		279450	275077
4.544		1564838	1792516
4.581		923474	912508
4.624		48924	37452

RT A	Compound A	Height A	Area A
4.647		91682	79387
4.692		665556	718156
4.745		1025380	1042236
4.778		509897	423615
4.809		2686401	2742939
4.858		371323	441073
4.897		508421	474318
4.937		1180067	1445691
4.988		367196	377222
5.031		3349388	3878295
5.089		270374	268736
5.113		14464	5498
5.142		2120100	3148813
5.193		143010	127092
5.234		2835965	3163523
5.279		242115	206126
5.307		208005	259308
5.351		3487322	4501021
5.415		566351	547432
5.457		441229	541312
5.56		681553	604079
5.579		257925	176883
5.638		328735	352081
5.677		177973	161740
5.718		33014	32925
5.761		784503	825946
5.787		67553	38006
5.819		1753768	2062354
5.905		15985	41448
5.979		43501	70028
6.025		1065480	1257059
6.073		308718	577421
6.214		21386	27824
6.274		25975	23579
6.298		158989	160532
6.454		411855	486340
6.501		22353	25224
6.658		95935	118886
6.801	DCB	27798	48792
6.951		1083	487
6.982		62338	99955
7.147		1408	628
7.246		1834	1854
7.267		1970	1591
7.621		1632	886
7.726		1398	2280
7.801		1844	1731
7.971		1213	1263
8.151		1199	1237
8.257		1133	653
8.362		1949	642
8.443		2018	4909
8.607		1416	1616

LANCASTER LABORATORIES

Sample Number: 6706975ACF DF500 AFTS-19 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/12/2012 7:19:37 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 7p20188B.0017.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.521		13948	7400
2.582		1147583	943964
2.66		12147	13497
2.709		12752	10190
2.743		9753	4027
2.772		13247	14762
2.786		15546	10300
2.844	TCX	67697	96991
2.886		4745	2288
2.897		13166	12234
2.935		9162	10056
2.969		53355	70661
3.017		107358	76157
3.052		12012	9122
3.084		21749	14461
3.118		15534	6372
3.136		56953	36793
3.163		362857	285317
3.215		12302	2674
3.23		16394	12381
3.254		23477	28244
3.327		14613	41216
3.35		99552	138520
3.403		29444	18692
3.426		11775	4595
3.453		71179	46865
3.476		262884	258374
3.533		14195	22254
3.562		170978	223681
3.64		1467865	1511648
3.677		96317	88365
3.754		576619	442526
3.788		1332884	985596
3.815		746690	491392
3.835		354374	220450
3.91		9052	4331
3.928		1181490	869818
3.957		452044	353654
3.978		344467	355516
4.029		1531267	1351642
4.076		243159	231731
4.119		125846	115121
4.147		1617997	1081256
4.171		9217730	7110288
4.199		3810959	2815848
4.221		432925	205476
4.238		1217963	844279
4.278		9385013	7844634
4.313		6747884	5851516
4.336		686621	898744
4.4		623257	534326
4.437		4077347	4144553
4.499		8104131	7786947
4.535		4362867	3398095

RT B	Compound B	Height B	Area B
4.564		17278790	16827740
4.605		1505577	1695596
4.663		9976684	11420500
4.702		2379374	2094370
4.737		23765580	20420180
4.762		1895128	1275653
4.807		16213350	16044840
4.836		270539	197542
4.92		11105890	11233770
4.975		15576540	15336300
5.017		3824519	3694457
5.058		21670820	22732550
5.088		1596902	1013723
5.131		2574030	2127564
5.199		354777	426466
5.25		1842756	2554348
5.288		3877469	3368405
5.315		6034242	5096649
5.364		2543494	2606220
5.401		1274942	1103615
5.425		535114	388766
5.462		1854059	1330253
5.481		11094310	9659950
5.558		361889	346655
5.617		29378	24777
5.674		112498	98154
5.698		2484442	2415027
5.744		9716344	13032020
5.904		207915	315141
5.944		274875	259309
5.97		53622	38141
6.021		1205459	1232570
6.125		2604255	2732688
6.156		79586	58642
6.328		555615	636761
6.488	DCB	144383	162840
6.677		14348	11944
6.905		260739	403792
7.341		8256	16628
7.631		5802	8344
7.761		6083	16051
7.918		6472	11919
8.183		5257	3075

6706975ACF DF500 AFTS-19 T 121840016A 10736 SW-846 8082

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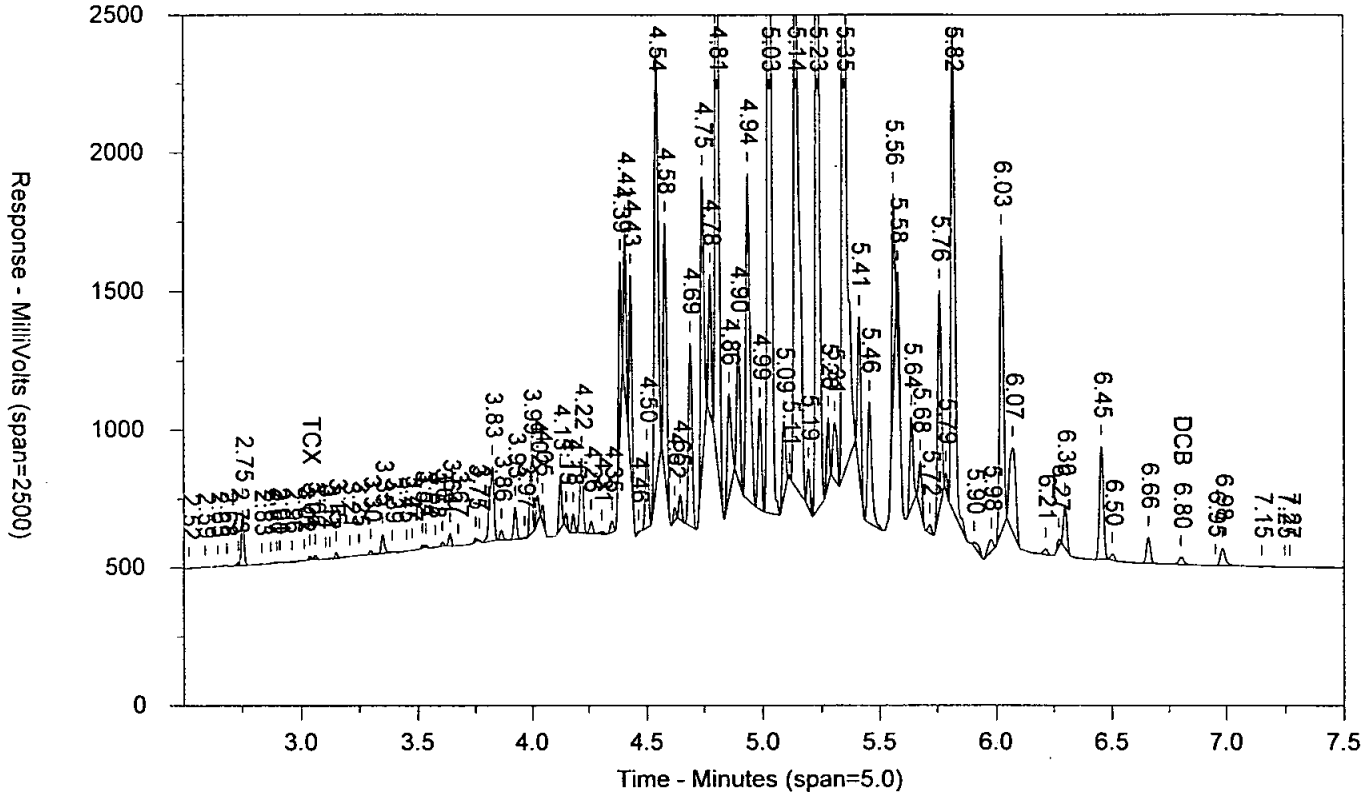

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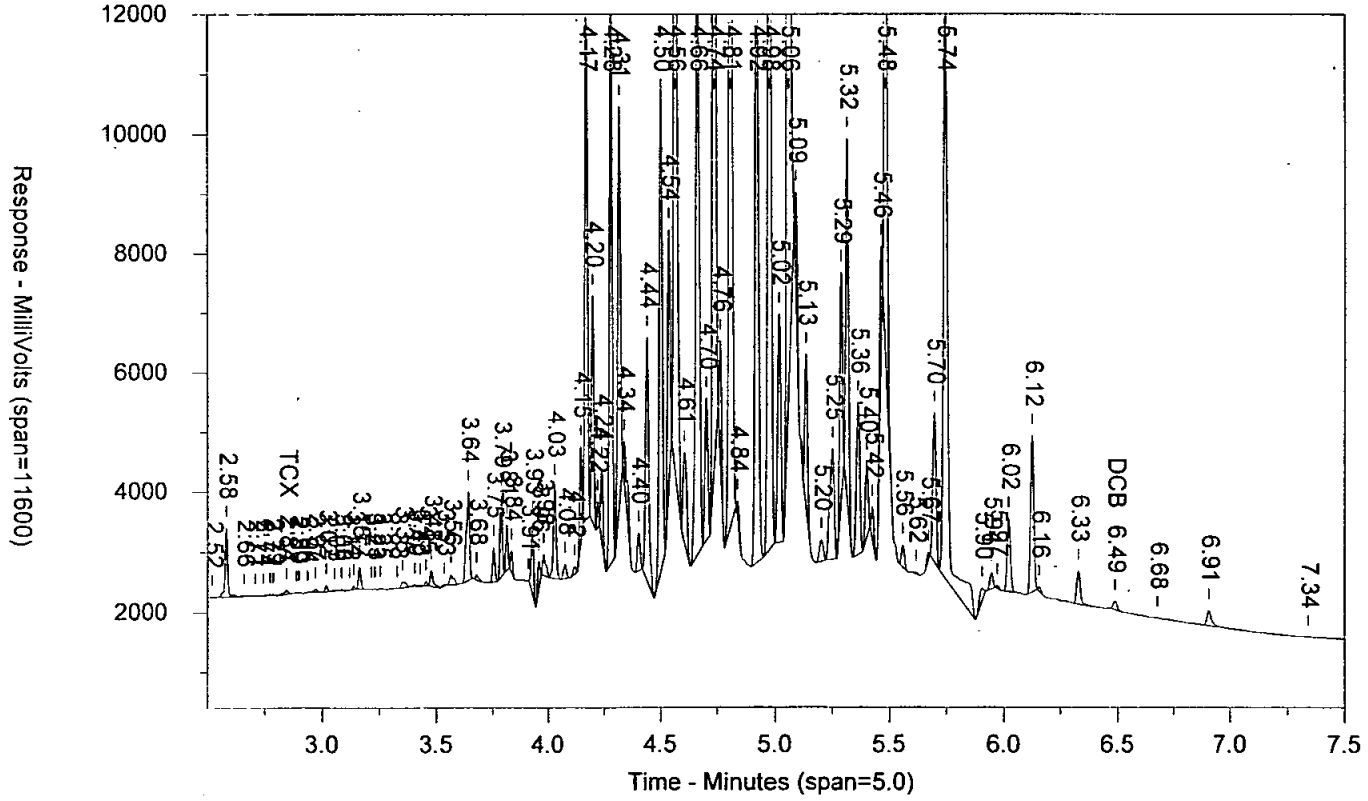


LANCASTER LABORATORIES

Sample Number: 6706975ACF DF500 AFTS-19 T 121840016A 10736 Sample Weight: 35 SW-846 8082
Injected On: 7/12/2012 7:19:37 PM Dilution Factor: 5000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

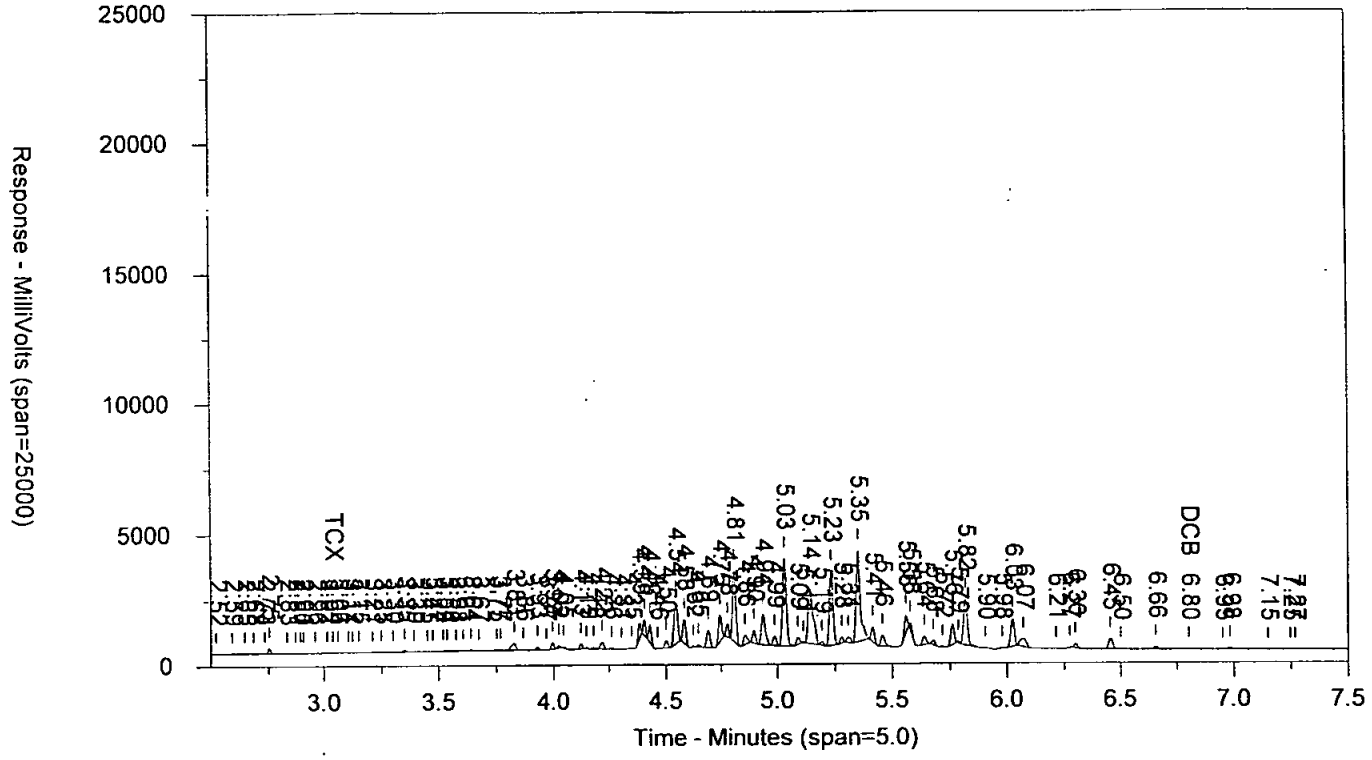
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	12595	8.13	TCX	2.844	67697	7.544	TCX
6.801	27798	32.161	DCB	6.488	144383	22.992	DCB

Files:
Area File: 7p20188.0017.RAW
Area File: 7p20188B.0017.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/12/2012 7:28:20 PM
File Reported On: 7/12/2012 at 7:28:24 PM

6706975ACF DF500 AFTS-19 T 121840016A 10736 SW-846 8082

\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\7p20188.0017.RAW



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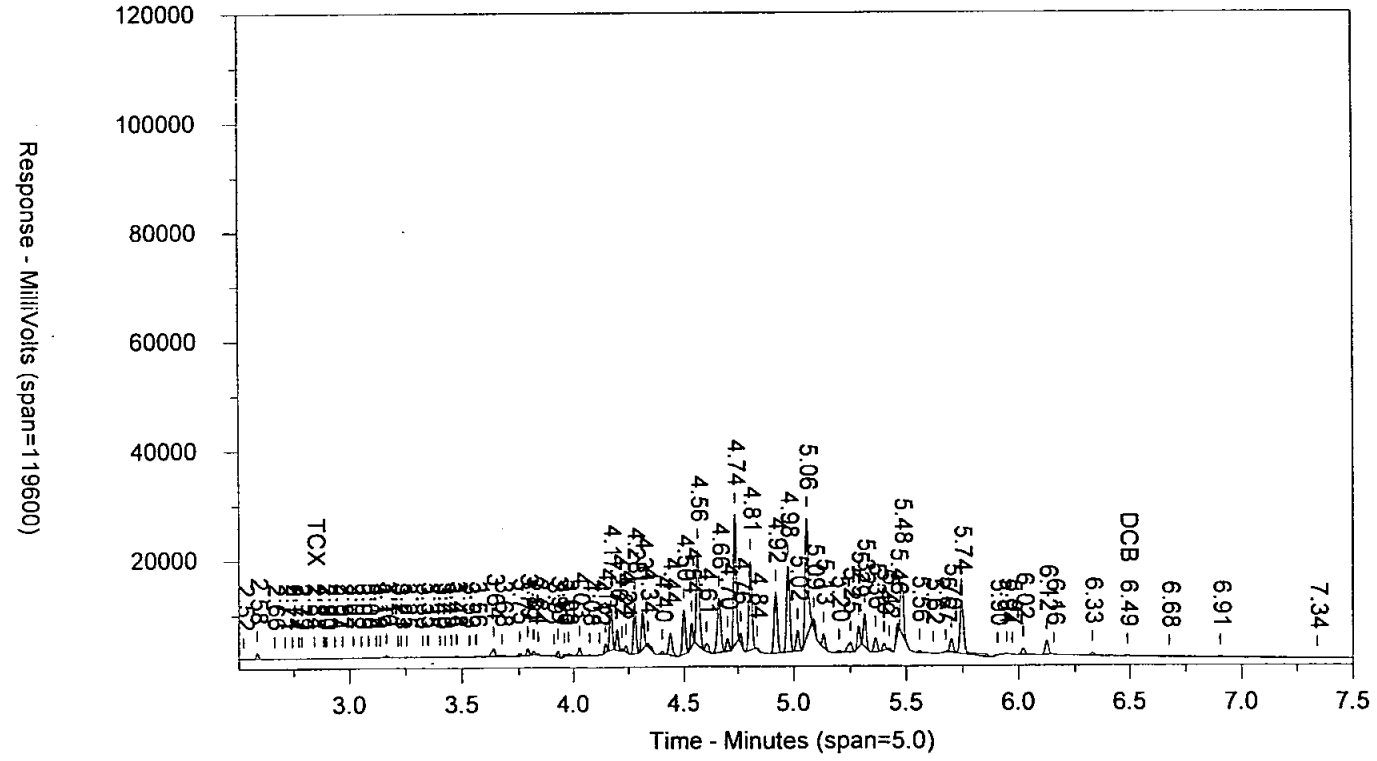

ASX67 0194

Data Summary

Sample Name: 6706976 ACF DF10 TS-20 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 10, 2012 21:39:28
Instrument	17342A
Result file	5P20188.0021.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 116% (33 - 143) Conc: 11.95751
%SSR(DCB) 120% (24 - 164) Conc: 11.917216

Analysis Report (B)

Injected on	Jul 10, 2012 21:39:28
Instrument	17342B
Result file	5P20188B.0021.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 105% (33 - 143) Conc: 10.797438
%SSR(DCB) 100% (24 - 164) Conc: 9.960307

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	929321	11.95751	Tetrachloro-m-xylene	2.82	2.84	2.86	4860601	10.797438
Decachlorobiphenyl	6.78	6.80	6.82	516740	11.917216	Decachlorobiphenyl	6.47	6.49	6.51	3137810	9.960307

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	11.95751				10.20	
☑ Decachlorobiphenyl	A	11.917216				17.89	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.73**	
5.11	5.14	5.17	686685.875	190.022425			1
5.20	5.23	5.26	311997.9375	181.989945			2
5.32	5.35	5.38	819769.3125	207.488412			3
5.38	5.41	5.44	474120.78125	215.869106			4
5.99	6.02	6.05	785662.9375	266.259616			5
6.42	6.45	6.48	384799.25	285.65599			6
Height summation:			**3463036.09375**				
Concentration		CF:	**224.547582**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.82**	
4.78	4.81	4.84	4964770	171.287409			1
4.89	4.92	4.95	2868925.75	136.96073			2
5.03	5.06	5.09	4308453	196.274532			3
5.26	5.29	5.32	3016461.75	186.324288			4
5.45	5.48	5.51	10646295	228.645403			5
6.10	6.12	6.16	2438247	258.672703			6
Height summation:			**28243152.5**				
Concentration		CF:	**196.360844**	L:			

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑ Aroclor-1016			<169.4352	<35.8804			4	40	
☑ Aroclor-1221			<169.4352	<45.8472			3	40	
☑ Aroclor-1232			<169.4352	<79.7342			4	40	
☑ Aroclor-1242			<169.4352	<32.8904			4	40	
☑ Aroclor-1248			<169.4352	<32.8904			4	40	
☑ Aroclor-1254			<169.4352	<32.8904			4	40	
☑ Aroclor-1260	A	224.547582	169.4352	48.8372		13.39	4	40	
☐ Aroclor-1262			<169.4352	<32.8904			4	40	
☐ Aroclor-1268			<169.4352	<32.8904			4	40	
☐ Total PCBs	A	224.547582	169.4352	32.8904		200.00			

Units: ug/kg

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

Monica M. Souders
Chemist

Reviewed by: JUL 11 2012 Verified by:

Date: Date: 7/18/12

7/11/2012

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706976** ACF DF10 TS-20 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:39:28
Instrument : P 20--17342A
Result file : 5p20188.0021.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 116% (33-143) Conc.: 11.95751
%SSR(DCB) : 120% (24-164) Conc.: 11.917216

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					8	186.37	
3.27	3.30	3.33	1410.991577	1.002698			1
3.61	3.63	3.66	14849.650391	8.403568			2
3.83	3.83	3.89	93041.140625	45.373472			3
+ 3.89	3.90	3.95	888.852539	0.477892			4
3.89	3.91	3.95	1490.448242	0.80134			4
3.89	3.94	3.95	1665.132568	0.895259			4
3.96	3.97	4.02	3081.932129	2.737248			5
3.96	4.00	4.02	3777.23584	3.354789			5
+ 3.96	4.02	4.02	2213.625732	1.966053			5
+ 4.09	4.10	4.15	2754.107422	2.163502			6
4.09	4.12	4.15	3583.743164	2.815227			6
Height Summation:			**122900.274536**				
Amount Avg CF:			**8.17295**	Linear:			
Aroclor-1221					3	126.17	
3.16	3.21	3.22	3316.12207	4.461884			1
3.22	3.24	3.28	14379.957031	22.611192			2
3.27	3.30	3.33	1410.991577	0.745511			3
Height Summation:			**19107.070678**				
Amount Avg CF:			**9.272862**	Linear:			
Aroclor-1232					8	184.43	
3.27	3.30	3.33	1410.991577	0.711799			1
3.61	3.63	3.67	14849.650391	15.298528			2
+ 3.61	3.67	3.67	6500.878418	6.697388			2
3.83	3.83	3.89	93041.140625	81.892244			3
+ 3.90	3.90	3.95	888.852539	0.891548			4
3.90	3.91	3.95	1490.448242	1.494968			4
3.90	3.94	3.95	1665.132568	1.670182			4
3.96	3.97	4.02	3081.932129	5.672674			5
3.96	4.00	4.02	3777.23584	6.952465			5
+ 3.96	4.02	4.02	2213.625732	4.074449			5
+ 4.10	4.10	4.16	2754.107422	4.194845			6
4.10	4.12	4.16	3583.743164	5.458482			6
Height Summation:			**122900.274536**				
Amount Avg CF:			**14.893918**	Linear:			
Aroclor-1242					7	173.07	
3.27	3.30	3.33	1410.991577	1.199882			1
3.61	3.63	3.67	14849.650391	10.166924			2
+ 3.61	3.67	3.67	6500.878418	4.450875			2
3.83	3.83	3.89	93041.140625	53.829036			3
+ 3.90	3.91	3.96	1490.448242	0.996546			4
3.90	3.94	3.96	1665.132568	1.113343			4
3.97	3.97	4.03	3081.932129	3.455588			5
3.97	4.00	4.03	3777.23584	4.235191			5
+ 3.97	4.02	4.03	2213.625732	2.482008			5
+ 4.10	4.10	4.16	2754.107422	2.526626			6
4.10	4.12	4.16	3583.743164	3.287736			6
Height Summation:			**121409.826294**				
Amount Avg CF:			**11.0411**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 21:39:28
Instrument : P 20--17342B
Result file : 5p20188B.0021.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 105% (33-143) Conc.: 10.797438
%SSR(DCB) : 100% (24-164) Conc.: 9.960307

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	103.19	
3.11	3.15	3.17	84156.632813	11.588731			1
+ 3.11	3.16	3.17	46524.328125	6.406601			1
3.45	3.48	3.51	84684.046875	9.53847			2
+ 3.65	3.65	3.70	7203.127441	0.714721			3
3.65	3.70	3.70	14297.666016	1.418667			3
+ 3.72	3.74	3.78	7815.561035	0.750213			4
3.72	3.76	3.78	17448.179688	1.674845			4
3.79	3.82	3.85	43733.351563	6.723259			5
3.90	3.92	3.96	253384.01562	29.672985			6
Height Summation:			**497703.892580**				
Amount Avg CF:			**10.102826**	Linear:			
Aroclor-1221					3	68.31	
2.99	3.02	3.05	33899.605469	8.469606			1
3.05	3.07	3.11	72073.757813	24.845893			2
+ 3.05	3.11	3.11	12256.688477	4.225232			2
3.11	3.15	3.17	84156.632813	8.355537			3
+ 3.11	3.16	3.17	46524.328125	4.619193			3
Height Summation:			**190129.996095**				
Amount Avg CF:			**13.890345**	Linear:			
Aroclor-1232					6	107.41	
3.11	3.15	3.17	84156.632813	8.398416			1
+ 3.11	3.16	3.17	46524.328125	4.642898			1
3.45	3.48	3.51	84684.046875	17.995792			2
+ 3.65	3.65	3.71	7203.127441	1.375143			3
3.65	3.70	3.71	14297.666016	2.729555			3
+ 3.72	3.74	3.78	7815.561035	1.459232			4
3.72	3.76	3.78	17448.179688	3.257725			4
3.79	3.82	3.85	43733.351563	47.149342			5
3.90	3.92	3.96	253384.01562	64.092534			6
Height Summation:			**497703.892580**				
Amount Avg CF:			**23.937227**	Linear:			
Aroclor-1242					6	90.09	
3.11	3.15	3.17	84156.632813	13.993241			1
+ 3.11	3.16	3.17	46524.328125	7.735886			1
3.45	3.48	3.51	84684.046875	11.948004			2
+ 3.65	3.65	3.71	7203.127441	0.915669			3
3.65	3.70	3.71	14297.666016	1.817534			3
+ 3.72	3.74	3.78	7815.561035	0.956194			4
3.72	3.76	3.78	17448.179688	2.134695			4
3.79	3.82	3.85	43733.351563	28.954296			5
3.90	3.92	3.96	253384.01562	37.6159			6
Height Summation:			**497703.892580**				
Amount Avg CF:			**16.077278**	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706976** ACF DF10 TS-20 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:39:28
Instrument : P 20--17342A
Result file : 5p20188.0021.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	132.84	
3.96	3.97	4.02	3081.932129	1.919733			1
3.96	4.00	4.02	3777.23584	2.352837			1
+ 3.96	4.02	4.02	2213.625732	1.378866			1
+ 4.09	4.10	4.15	2754.107422	1.488074			2
4.09	4.12	4.15	3583.743164	1.936335			2
4.19	4.19	4.25	2807.512207	1.701577			3
+ 4.19	4.21	4.25	1539.218262	0.932889			3
4.37	4.39	4.43	65661.851563	45.479805			4
4.51	4.55	4.57	70807.554688	42.385818			5
4.78	4.81	4.84	117661.60156	97.867123			6
Height Summation:			**267381.431154**				
Amount Avg CF:			**27.663318**	Linear:			
Aroclor-1254					6	119.84	
4.51	4.55	4.58	70807.554688	23.034129			1
4.72	4.76	4.78	29228.763672	14.749205			2
4.78	4.81	4.84	117661.60156	31.146503			3
5.00	5.03	5.06	102269.17968	34.215411			4
5.20	5.23	5.26	311997.9375	133.63678			5
5.32	5.35	5.38	819769.3125	272.246549			6
Height Summation:			**1451734.349611**				
Amount Avg CF:			**84.838096**	Linear:			
Aroclor-1260					6	18.73	
5.11	5.14	5.17	686685.875	190.022425			1
5.20	5.23	5.26	311997.9375	181.989945			2
5.32	5.35	5.38	819769.3125	207.488412			3
5.38	5.41	5.44	474120.78125	215.869106			4
5.99	6.02	6.05	785662.9375	266.259616			5
6.42	6.45	6.48	384799.25	285.65599			6
Height Summation:			~~3463036.693750~~				
Amount Avg CF:			**224.547582**	Linear:			
Aroclor-1262					6	20.64	
5.11	5.14	5.17	686685.875	229.880323			1
5.38	5.41	5.44	474120.78125	121.91825			2
5.55	5.58	5.61	515399.4375	191.791602			3
5.79	5.82	5.85	1448701.5	197.795538			4
5.99	6.02	6.05	785662.9375	192.26873			5
6.43	6.45	6.49	384799.25	156.067797			6
Height Summation:			**4295369.781250**				
Amount Avg CF:			**181.620373**	Linear:			
Aroclor-1268					6	90.27	
5.99	6.02	6.05	785662.9375	98.757251			1
6.05	6.07	6.11	239495.09375	34.919793			2
6.18	6.21	6.24	15533.229492	2.497404			3
+ 6.25	6.27	6.31	12748.692383	7.529762			4
6.25	6.30	6.31	151545.73437	89.507479			4
6.43	6.45	6.49	384799.25	135.69081			5
6.63	6.65	6.69	76635.734375	4.298695			6
Height Summation:			**1653671.979492**				
Amount Avg CF:			**60.945239**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 21:39:28
Instrument : P 20--17342B
Result file : 5p20188B.0021.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	108.32	
3.79	3.82	3.85	43733.351563	5.262869			1
3.90	3.92	3.96	253384.01562	20.895768			2
+ 4.14	4.14	4.20	11978.333984	0.69816			3
4.14	4.17	4.20	218574.51562	12.739668			3
4.14	4.19	4.20	40951.0625	2.386843			3
4.47	4.50	4.53	338779.15625	61.5516			4
4.54	4.58	4.60	1036840.375	132.376265			5
+ 4.71	4.74	4.77	341648.71875	49.929388			6
4.71	4.76	4.77	780452.0625	114.057193			6
Height Summation:			**2712714.539063**				
Amount Avg CF:			**49.895744**	Linear:			
Aroclor-1254					6	120.11	
4.47	4.50	4.53	338779.15625	24.500874			1
4.54	4.58	4.60	1036840.375	44.128976			2
+ 4.71	4.74	4.77	341648.71875	17.609792			3
4.71	4.76	4.77	780452.0625	40.227279			3
4.78	4.81	4.84	4964770	399.56506			4
4.95	4.98	5.01	418691.21875	33.69628			5
5.03	5.06	5.09	4308453	221.397905			6
+ 5.03	5.09	5.09	2963556.5	152.287886			6
Height Summation:			**11847985.812500**				
Amount Avg CF:			**127.252729**	Linear:			
Aroclor-1260					6	21.82	
4.78	4.81	4.84	4964770	171.287409			1
4.89	4.92	4.95	2868925.75	136.96073			2
5.03	5.06	5.09	4308453	196.274532			3
5.26	5.29	5.32	3016461.75	186.324288			4
+ 5.26	5.31	5.32	256740.0625	15.858616			4
5.45	5.48	5.51	10646295	228.645403			5
6.10	6.12	6.16	2438247	258.672703			6
Height Summation:			**28243152.500000**				
Amount Avg CF:			**196.360844**	Linear:			
Aroclor-1262					6	26.82	
4.89	4.92	4.95	2868925.75	157.710139			1
5.06	5.09	5.12	2963556.5	91.879459			2
5.26	5.29	5.32	3016461.75	119.536324			3
+ 5.26	5.31	5.32	256740.0625	10.174093			3
5.45	5.48	5.51	10646295	168.665476			4
+ 5.67	5.67	5.73	120204.77343	5.327452			5
5.67	5.70	5.73	1937088.625	85.851391			5
6.10	6.12	6.16	2438247	139.53242			6
+ 6.10	6.16	6.16	76331.953125	4.368213			6
Height Summation:			**23870574.625000**				
Amount Avg CF:			**127.195868**	Linear:			
Aroclor-1268					6	115.05	
+ 5.67	5.67	5.73	120204.77343	1.658905			1
5.67	5.70	5.73	1937088.625	26.733095			1
5.72	5.74	5.78	6424994	103.242184			2
5.87	5.90	5.93	185164.96875	4.45883			3
5.94	5.94	6.00	164997.29687	14.979475			4
+ 5.94	5.97	6.00	37515.15625	3.405858			4
6.10	6.12	6.16	2438247	119.553287			5
+ 6.10	6.16	6.16	76331.953125	3.742745			5
6.30	6.33	6.36	421642	2.963153			6
Height Summation:			**11572133.890625**				
Amount Avg CF:			**45.321671**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706976** ACF DF10 TS-20 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:39:28
Instrument : P 20--17342A
Result file : 5p20188.0021.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 10, 2012 21:39:28
Instrument : P 20--17342B
Result file : 5p20188B.0021.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			169.4352	35.8804		21.12	4	40	
Aroclor-1221			169.4352	45.8472		39.87	3	40	
Aroclor-1232			169.4352	79.7342		** 46.58	4	40	
Aroclor-1242			169.4352	32.8904		37.14	4	40	
Aroclor-1248			169.4352	32.8904		** 57.33	4	40	
Aroclor-1254			169.4352	32.8904		40.00	4	40	
Aroclor-1260			169.4352	48.8372		13.39	4	40	
Aroclor-1262			169.4352	32.8904		35.25	4	40	
Aroclor-1268			169.4352	32.8904		29.40	4	40	
Total PCBs			169.4352	32.8904					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706976ACF DF10 ADTS-20 T 121840016A 10736 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 9:39:27 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0021.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.594		2506	3685
2.649		3143	2298
2.732		13716	14622
2.753		20281	23321
2.818		2760	11135
2.84		1654	984
2.863		1451	634
2.876		2231	744
2.91		35363	26571
2.967		1424	2519
3.037	TCX	929321	682037
3.108		1154	1701
3.124		5583	5582
3.152		7881	5672
3.208		3316	5226
3.242		14380	13646
3.297		1411	1112
3.35		12164	7538
3.364		20631	13381
3.399		2569	1396
3.449		2443	3786
3.524		2410	4810
3.544		1900	1383
3.563		2227	1334
3.589		2923	2937
3.625		14850	16140
3.665		6501	12875
3.693		3585	2204
3.72		1726	1490
3.749		2004	752
3.771		2718	1927
3.795		11061	10524
3.834		93041	78753
3.896		889	1641
3.911		1490	982
3.936		1665	1423
3.973		3082	2908
3.996		3777	2467
4.019		2214	651
4.037		16816	20571
4.089		1229	1014
4.098		2754	1784
4.125		3584	3963
4.158		6524	7151
4.19		2808	2194
4.209		1539	715
4.306		2683	1039
4.332		2460	1073
4.348		3559	3173
4.386		65662	137830
4.473		9887	29715
4.5		11443	10105
4.545		70808	71178
4.579		14553	13800

ASX67 8199

RT A	Compound A	Height A	Area A
4.665		12804	10051
4.689		12953	9443
4.761		29229	56111
4.807		117662	147125
4.855		146529	195989
4.894		30992	23570
4.935		372141	425965
4.984		8098	9325
5.029		102269	130949
5.088		113373	117864
5.141		686686	974306
5.192		92449	89517
5.234		311998	396425
5.314		56293	70521
5.35		819769	1003139
5.413		474121	529981
5.456		310673	351958
5.578		515399	825938
5.637		250724	297437
5.676		133253	126529
5.716		21120	21828
5.76		205345	216323
5.816		1448702	1833206
5.91		21123	41928
5.975		44322	66062
6.024		785663	929813
6.068		239495	481617
6.209		15533	20117
6.271		12749	10130
6.297		151546	153422
6.452		384799	464167
6.498		20727	23019
6.574		2260	3079
6.654		76636	91176
6.742		1561	879
6.801	DCB	516740	705098
6.977		27985	43084
7.087		2986	3085
7.166		2714	4007
7.21		1319	674
7.293		1464	699
7.42		1405	565
7.503		12813	36785
7.744		1523	1010
7.86		2051	2368
7.909		1432	913
7.946		1546	833
7.997		1687	845
8.051		1481	968
8.147		1280	426
8.262		1315	1277
8.307		1821	1196
8.44		2294	2661
8.491		1347	929
8.629		1637	1375

ASX67 8288

LANCASTER LABORATORIES

Sample Number: 6706976ACF DF10 ADTS-20 T 121840016A 10736 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 9:39:27 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0021.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.521		28313	35029
2.582		116936	149868
2.617		97807	156919
2.653		92661	87825
2.693		63928	99207
2.713		65733	127743
2.751		26358	20622
2.783		16079	32324
2.817		13273	12846
2.845	TCX	4860601	3572843
2.906		20351	16894
2.932		17991	17802
2.957		10914	4637
2.971		52176	54051
3.017		33900	30287
3.073		72074	59042
3.105		12257	6882
3.151		84157	42642
3.163		46524	20540
3.27		19300	17445
3.319		31004	59665
3.364		15261	24012
3.374		7707	5451
3.438		13667	7136
3.479		84684	260905
3.528		49481	45525
3.55		7801	7128
3.567		25395	16881
3.586		458944	319224
3.648		7203	4353
3.7		14298	10974
3.737		7816	2443
3.76		17448	29445
3.817		43733	49378
3.859		24200	32720
3.883		25742	21173
3.919		253384	307323
3.989		220385	771692
4.027		71815	141191
4.079		19136	29179
4.128		7262	5183
4.143		11978	6423
4.17		218575	168633
4.191		40951	32153
4.237		94044	85629
4.276		496804	429290
4.311		110463	103479
4.352		114722	388417
4.436		360164	1128168
4.497		338779	529053
4.575		1036840	1667070
4.603		294508	299943
4.661		2151784	2194616
4.703		52774	51139

ASX67 9281

RT B	Compound B	Height B	Area B
4.735		341649	260078
4.761		780452	656538
4.806		4964770	5076371
4.862		33237	59474
4.919		2868926	3129469
4.977		418691	445006
5.016		1128085	1102140
5.056		4308453	4154847
5.089		2963557	2655382
5.13		2015174	2003043
5.185		11715	9182
5.236		608923	766876
5.288		3016462	2939791
5.314		256740	185493
5.363		1897749	1999688
5.4		767471	654309
5.425		657851	536087
5.48		10646300	11393270
5.522		102024	67689
5.558		227753	221776
5.671		120205	90731
5.697		1937089	1831395
5.744		6424994	9332768
5.904		185165	284910
5.943		164997	158586
5.97		37515	29100
6.02		955813	1021364
6.123		2438247	2417775
6.156		76332	54920
6.327		421642	444247
6.489	DCB	3137810	3485360
6.648		9220	19476
6.713		53457	62336
6.903		99651	130798
7.145		9892	8344
7.669		5107	1366
7.693		4488	1750
7.765		4599	7231
7.907		5651	3049
8.212		8511	11374
8.328		3663	4050
8.378		3751	1451

ASX67 0222

6706976ACF DF10 ADTS-20 T 121840016A 10736 SW-846 8082

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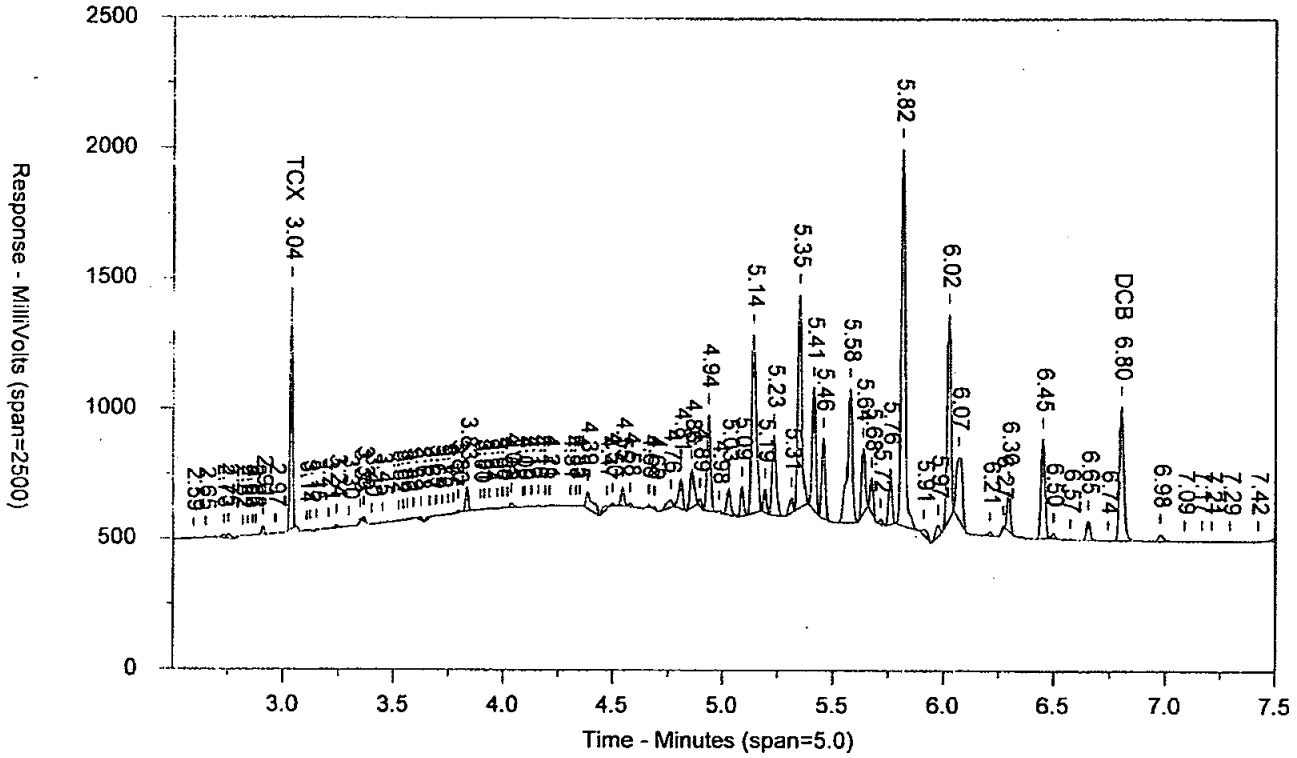

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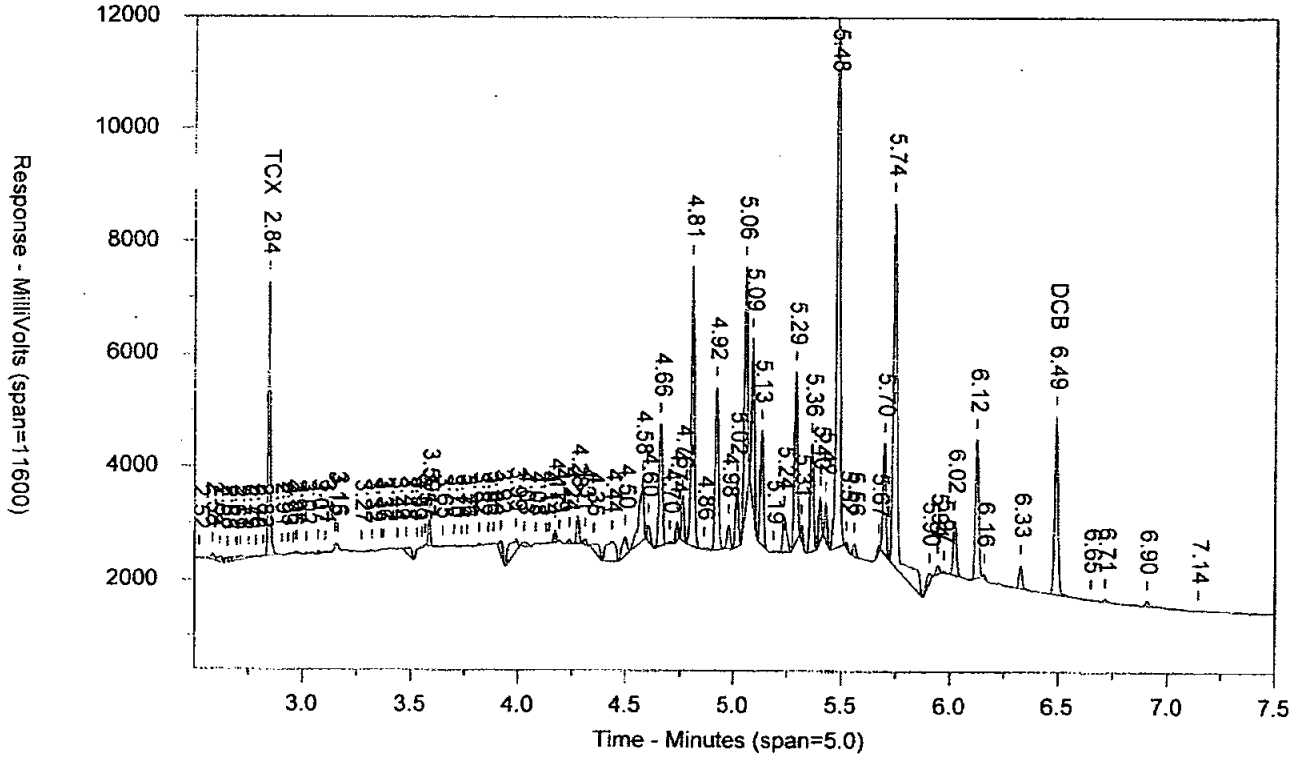

ASX67 6283

LANCASTER LABORATORIES

Sample Number: 6706976ACF DF10 ADTS-20 T 121840016A 10736 Sample Weight: 35M-846 8082
Injected On: 7/10/2012 9:39:27 PM Dilution Factor: 100
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	929321	11.958	TCX	2.845	4860601	10.797	TCX
6.801	516740	11.917	DCB	6.489	3137810	9.96	DCB

Files:
Area File: 5p20188.0021.RAW
Area File: 5p20188B.0021.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 9:48:09 PM
File Reported On: 7/10/2012 at 9:48:18 PM

ASX67 8284

6706976ACF DF10 ADTS-20 T 121840016A 10736 SW-846 8082

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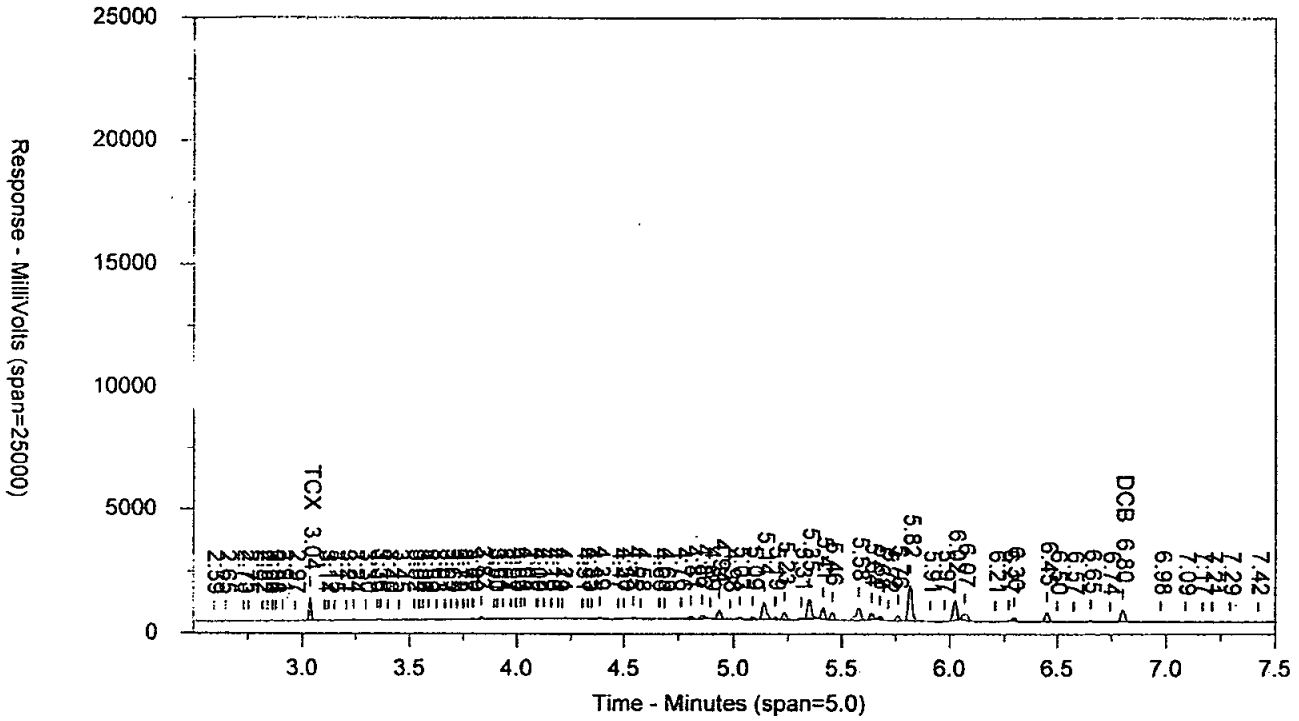

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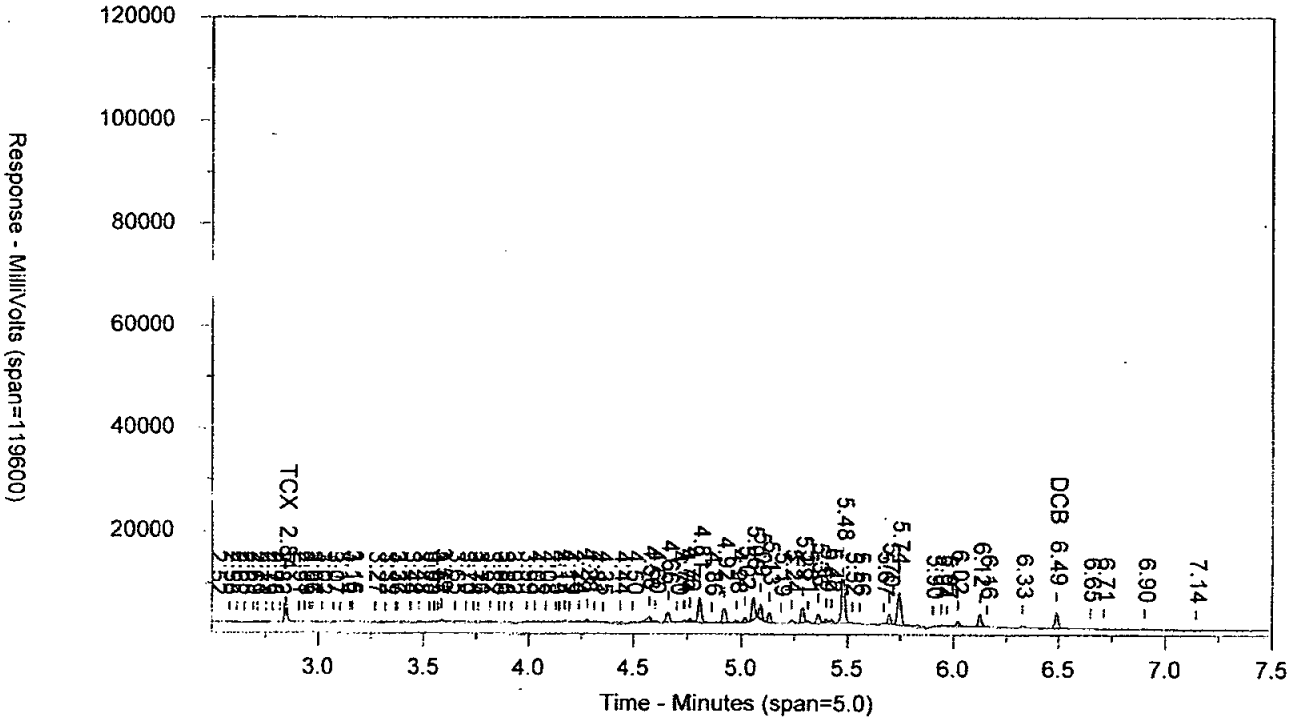

ASX67 0285

Data Summary

Sample Name: 6706977 ACF DF200 TS-21 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 2000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on Jul 10, 2012 21:50:57
Instrument 17342A
Result file 5P20188.0022.RAW
Calibration file 2P20188
Method file PESTDI20

%SSR(TCX) 91% (33 - 143) Conc: 9.377329
%SSR(DCB) 142% (24 - 164) Conc: 14.138251

Analysis Report (B)

Injected on Jul 10, 2012 21:50:57
Instrument 17342B
Result file 5P20188B.0022.RAW
Calibration file 2P20188B
Method file PESTDI20B

%SSR(TCX) 82% (33 - 143) Conc: 8.385171
%SSR(DCB) 101% (24 - 164) Conc: 10.02895

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	36440	9.377329	Tetrachloro-m-xylene	2.82	2.84	2.86	188734	8.385171
Decachlorobiphenyl	6.78	6.80	6.82	30652	14.138251	Decachlorobiphenyl	6.47	6.49	6.51	157972	10.02895

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	9.377329				11.17	
☑	Decachlorobiphenyl	A	14.138251				34.01	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**3.59**	
5.11	5.14	5.17	2472723	13685.233286			1
5.20	5.23	5.26	1115051.375	13008.299975			2
5.32	5.35	5.38	2760821.75	13975.602929			3
5.38	5.41	5.44	1444896.125	13157.340808			4
5.99	6.02	6.05	2104761.75	14265.991905			5
6.42	6.45	6.48	936564.5625	13905.187064			6

Height summation: **10834818.5625**
Concentration CF: **13666.275995** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.01**	
4.78	4.81	4.84	18959710	13082.417086			1
4.89	4.92	4.95	12354483	11795.906582			2
5.03	5.06	5.09	16824646	15329.165795			3
5.26	5.29	5.32	10373772	12815.582213			4
5.45	5.48	5.51	34842180	14965.777862			5
6.10	6.12	6.16	6193153	13140.585252			6

Height summation: **99547944**
Concentration CF: **13521.572465** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑	Aroclor-1016			<3388.7042	<717.6079			4	40	
☑	Aroclor-1221			<3388.7042	<916.9435			3	40	
☑	Aroclor-1232			<3388.7042	<1594.6843			4	40	
☑	Aroclor-1242			<3388.7042	<657.8073			4	40	
☑	Aroclor-1248			<3388.7042	<657.8073			4	40	
☑	Aroclor-1254			<3388.7042	<657.8073			4	40	
☑	Aroclor-1260	A	13666.275995	3388.7042	976.7441		1.06	4	40	
☐	Aroclor-1262			<3388.7042	<657.8073			4	40	
☐	Aroclor-1268			<3388.7042	<657.8073			4	40	
☐	Total PCBs	A	13666.275995	3388.7042	657.8073		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Scuders
Monica M. Scuders
Chemist
Date: JUL 11 2012

Verified by: [illegible]
Date: 7/12/12

7/11/2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706977** ACF DF200 TS-21 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 2000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:50:57
Instrument : P 20--17342A
Result file : 5p20188.0022.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 91% (33-143) Conc.: 9.377329
%SSR(DCB) : 142% (24-164) Conc.: 14.138251

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**7**	**60.14**	
3.27	3.31	3.33	1849.24707	26.282731			1
3.61	3.62	3.66	7787.036621	88.135263			2
3.83	3.83	3.89	3757.597168	36.649428			3
3.83	3.86	3.89	2185.722412	21.318272			3
+ 3.83	3.89	3.89	1767.543335	17.239595			3
3.89	3.93	3.95	2689.738281	28.922787			4
+ 3.96	3.97	4.02	3043.723145	54.066243			5
3.96	3.99	4.02	4579.614258	81.348574			5
4.09	4.10	4.15	2296.765137	36.084698			6
Height Summation:			**25145.720947**				
Amount Avg CF:			**45.534536**	Linear:			
Aroclor-1221					**3**	**49.57**	
3.16	3.21	3.22	2162.430176	58.191544			1
3.22	3.23	3.28	1885.459351	59.294312			2
+ 3.22	3.26	3.28	1716.042603	53.96646			2
3.27	3.31	3.33	1849.24707	19.541349			3
Height Summation:			**5897.136597**				
Amount Avg CF:			**45.675735**	Linear:			
Aroclor-1232					**7**	**71.42**	
3.27	3.31	3.33	1849.24707	18.657702			1
3.61	3.62	3.67	7787.036621	160.448487			2
3.83	3.83	3.89	3757.597168	66.146666			3
3.83	3.86	3.89	2185.722412	38.476251			3
+ 3.83	3.89	3.89	1767.543335	31.114857			3
3.90	3.93	3.95	2689.738281	53.957896			4
+ 3.96	3.97	4.02	3043.723145	112.046904			5
3.96	3.99	4.02	4579.614258	168.586818			5
4.10	4.10	4.16	2296.765137	69.965125			6
Height Summation:			**25145.720947**				
Amount Avg CF:			**82.319849**	Linear:			
Aroclor-1242					**6**	**64.63**	
3.27	3.31	3.33	1849.24707	31.451324			1
3.61	3.62	3.67	7787.036621	106.629051			2
3.83	3.86	3.89	2185.722412	25.291034			3
+ 3.83	3.89	3.89	1767.543335	20.452276			3
3.90	3.93	3.96	2689.738281	35.968329			4
+ 3.97	3.97	4.03	3043.723145	68.254936			5
3.97	3.99	4.03	4579.614258	102.697014			5
4.10	4.10	4.16	2296.765137	42.14117			6
Height Summation:			**21388.123779**				
Amount Avg CF:			**57.362987**	Linear:			
Aroclor-1248					**6**	**142.04**	
+ 3.96	3.97	4.02	3043.723145	37.918652			1
3.96	3.99	4.02	4579.614258	57.052758			1
4.09	4.10	4.15	2296.765137	24.81934			2
4.19	4.22	4.25	6862.611816	83.185835			3
4.37	4.39	4.43	171083.39062	2369.972543			4
+ 4.37	4.43	4.43	25356.746094	351.260235			4
4.51	4.54	4.57	227892.4375	2728.355041			5
4.78	4.81	4.84	502275.6875	8355.53415			6
Height Summation:			**914990.506836**				
Amount Avg CF:			**2269.819945**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 21:50:57
Instrument : P 20--17342B
Result file : 5p20188B.0022.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 82% (33-143) Conc.: 8.385171
%SSR(DCB) : 101% (24-164) Conc.: 10.02895

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**135.99**	
+ 3.11	3.12	3.17	13679.545898	37.67465			1
3.11	3.15	3.17	295396.25	813.546762			1
+ 3.45	3.45	3.51	10616.556641	23.916125			2
3.45	3.48	3.51	44116.425781	99.381935			2
3.65	3.67	3.70	10697.441406	21.228787			3
+ 3.65	3.70	3.70	9055.77832	17.97095			3
+ 3.72	3.76	3.78	11170.765625	21.445565			4
3.72	3.77	3.78	13561.925781	26.036099			4
3.79	3.82	3.85	37607.101563	115.629052			5
+ 3.79	3.84	3.85	4493.101563	13.81476			5
3.90	3.92	3.96	109688.70312	256.90581			6
Height Summation:			**511067.847656**				
Amount Avg CF:			**222.121408**	Linear:			
Aroclor-1221					**3**	**119.39**	
2.99	3.01	3.05	16300.421875	81.451185			1
3.05	3.09	3.11	10421.442383	71.851407			2
+ 3.11	3.12	3.17	13679.545898	27.163623			3
3.11	3.15	3.17	295396.25	586.571551			3
Height Summation:			**322118.114258**				
Amount Avg CF:			**246.624714**	Linear:			
Aroclor-1232					**6**	**86.63**	
+ 3.11	3.12	3.17	13679.545898	27.30302			1
3.11	3.15	3.17	295396.25	589.581687			1
+ 3.45	3.45	3.51	10616.556641	45.12145			2
3.45	3.48	3.51	44116.425781	187.499315			2
3.65	3.67	3.71	10697.441406	40.844787			3
+ 3.65	3.70	3.71	9055.77832	34.576618			3
+ 3.72	3.76	3.78	11170.765625	41.713559			4
3.72	3.77	3.78	13561.925781	50.642562			4
3.79	3.82	3.85	37607.101563	810.891475			5
+ 3.79	3.84	3.85	4493.101563	96.88111			5
3.90	3.92	3.96	109688.70312	554.906898			6
Height Summation:			**511067.847656**				
Amount Avg CF:			**372.394454**	Linear:			
Aroclor-1242					**6**	**110.80**	
+ 3.11	3.12	3.17	13679.545898	45.491646			1
3.11	3.15	3.17	295396.25	982.347064			1
+ 3.45	3.45	3.51	10616.556641	29.95763			2
3.45	3.48	3.51	44116.425781	124.487024			2
3.65	3.67	3.71	10697.441406	27.197395			3
+ 3.65	3.70	3.71	9055.77832	23.023597			3
+ 3.72	3.76	3.78	11170.765625	27.333718			4
3.72	3.77	3.78	13561.925781	33.184642			4
3.79	3.82	3.85	37607.101563	497.96648			5
+ 3.79	3.84	3.85	4493.101563	59.494454			5
3.90	3.92	3.96	109688.70312	325.674791			6
Height Summation:			**511067.847656**				
Amount Avg CF:			**331.809566**	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706977** ACF DF200 TS-21 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 2000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:50:57
Instrument : P 20--17342A
Result file : 5p20188.0022.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	109.30	
4.51	4.54	4.58	227892.4375	1482.696001			1
4.72	4.76	4.78	230978.82812	2331.096884			2
4.78	4.81	4.84	502275.6875	2659.173604			3
5.00	5.03	5.06	347186.5	2323.110205			4
+ 5.00	5.06	5.06	4684.553711	31.3455			4
5.20	5.23	5.26	1115051.375	9552.106462			5
5.32	5.35	5.38	2760821.75	18337.456219			6
Height Summation:			**5184206.578125**				
Amount Avg CF:			**6114.273229**	Linear:			
Aroclor-1260					6	3.59	
5.11	5.14	5.17	2472723	13685.233286			1
5.20	5.23	5.26	1115051.375	13008.299975			2
5.32	5.35	5.38	2760821.75	13975.602929			3
5.38	5.41	5.44	1444896.125	13157.340808			4
5.99	6.02	6.05	2104761.75	14265.991905			5
6.42	6.45	6.48	936564.5625	13905.187064			6
Height Summation:			**10834818.662500**				
Amount Avg CF:			**13666.275995**	Linear:			
Aroclor-1262					6	31.08	
E 5.11	5.14	5.17	2472723	16555.76105			1
5.38	5.41	5.44	1444896.125	7430.98445			2
5.55	5.58	5.61	1623362.25	12081.784494			3
5.79	5.82	5.85	4040040.75	11031.976344			4
5.99	6.02	6.05	2104761.75	10301.615359			5
6.43	6.45	6.49	936564.5625	7597.08173			6
Height Summation:			**12622348.437500**				
Amount Avg CF:			**10833.200571**	Linear:			
Aroclor-1268					6	90.61	
5.99	6.02	6.05	2104761.75	5291.339954			1
6.05	6.07	6.11	599258.25	1747.507523			2
+ 6.18	6.20	6.24	10642.398438	34.221308			3
6.18	6.21	6.24	15643.084961	50.301333			3
+ 6.25	6.27	6.31	42109.253906	497.419896			4
6.25	6.30	6.31	384268.125	4539.206779			4
6.43	6.45	6.49	936564.5625	6605.169007			5
6.63	6.65	6.69	173502.34375	194.643814			6
Height Summation:			**4213998.116211**				
Amount Avg CF:			**3071.361402**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 21:50:57
Instrument : P 20--17342B
Result file : 5p20188B.0022.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	125.01	
3.79	3.82	3.85	37607.101563	90.512724			1
+ 3.79	3.84	3.85	4493.101563	10.813991			1
3.90	3.92	3.96	109688.70312	180.91352			2
4.14	4.17	4.20	970619.75	1131.45613			3
+ 4.14	4.20	4.20	48001.980469	55.95614			3
4.47	4.50	4.53	511129.875	1857.307986			4
+ 4.54	4.55	4.60	326978.8125	834.925702			5
4.54	4.58	4.60	4384531	11195.702854			5
+ 4.71	4.74	4.77	1372847.5	4012.626525			6
4.71	4.76	4.77	3100929.25	9063.549273			6
Height Summation:			**9114505.679688**				
Amount Avg CF:			**3919.907081**	Linear:			
Aroclor-1254					6	120.09	
4.47	4.50	4.53	511129.875	739.309274			1
+ 4.54	4.55	4.60	326978.8125	278.330984			2
4.54	4.58	4.60	4384531	3732.201545			2
+ 4.71	4.74	4.77	1372847.5	1415.22898			3
4.71	4.76	4.77	3100929.25	3196.658725			3
4.78	4.81	4.84	18959710	30517.577506			4
4.95	4.98	5.01	2018877.125	3249.585618			5
5.03	5.06	5.09	16824646	17291.31722			6
+ 5.03	5.09	5.09	9788554	10060.062621			6
Height Summation:			**45799823.250000**				
Amount Avg CF:			**9787.774981**	Linear:			
Aroclor-1260					6	10.01	
4.78	4.81	4.84	18959710	13082.417086			1
4.89	4.92	4.95	12354483	11795.906582			2
5.03	5.06	5.09	16824646	15329.165795			3
5.26	5.29	5.32	10373772	12815.582213			4
+ 5.26	5.32	5.32	1410844.125	1742.932934			4
5.45	5.48	5.51	34842180	14965.777862			5
+ 6.10	6.10	6.16	10542.845703	22.36973			6
6.10	6.12	6.16	6193153	13140.585252			6
Height Summation:			**99547944.000000**				
Amount Avg CF:			**13521.572465**	Linear:			
Aroclor-1262					6	38.53	
E 4.89	4.92	4.95	12354483	13582.974294			1
5.06	5.09	5.12	9788554	6069.511711			2
5.26	5.29	5.32	10373772	8221.83523			3
+ 5.26	5.32	5.32	1410844.125	1118.178415			3
5.45	5.48	5.51	34842180	11039.846041			4
5.67	5.70	5.73	5504015	4878.737456			5
6.10	6.12	6.16	6193153	7088.253374			6
+ 6.10	6.16	6.16	174667.53125	199.912342			6
Height Summation:			**79056157.000000**				
Amount Avg CF:			**8480.193018**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706977** ACF DF200 TS-21 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 2000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:50:57
Instrument : P 20–17342A
Result file : 5p20188.0022.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 10, 2012 21:50:57
Instrument : P 20–17342B
Result file : 5p20188B.0022.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**7**	**128.57**	
5.67	5.70	5.73	5504015	1519.18043			1
5.72	5.75	5.78	20215086	6496.658615			2
5.87	5.90	5.93	406573.9375	195.808523			3
5.94	5.94	6.00	478305.15625	868.470002			4
5.94	5.97	6.00	78287.71875	142.148865			4
+ 5.94	5.99	6.00	30069.378906	54.597684			4
6.10	6.12	6.16	6193153	6073.312485			5
+ 6.10	6.16	6.16	174667.53125	171.28763			5
6.30	6.33	6.36	974452.125	136.962193			6

Height Summation: **33849872.937500**
Amount Avg CF: **2204.64873** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			3388.7042	717.6079		** 131.95	4	40	
Aroclor-1221			3388.7042	916.9435		** 137.49	3	40	
Aroclor-1232			3388.7042	1594.6843		** 127.59	4	40	
Aroclor-1242			3388.7042	657.8073		** 141.04	4	40	
Aroclor-1248			3388.7042	657.8073		** 53.32	4	40	
Aroclor-1254			3388.7042	657.8073		** 46.20	4	40	
Aroclor-1260			3388.7042	976.7442		1.06	4	40	
Aroclor-1262			3388.7042	657.8073	E	24.37	4	40	
Aroclor-1268			3388.7042	657.8073		32.85	4	40	
Total PCBs			3388.7042	657.8073					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706977ACF DF200 ADTS-21 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/10/2012 9:50:57 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0022.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.53		3254	2819
2.591		5450	10561
2.647		7985	12190
2.701		5209	5539
2.733		14783	14647
2.753		44081	36429
2.799		1037	1143
2.818		5148	5845
2.867		3890	4482
2.91		9894	9071
2.946		1786	855
2.963		1423	954
2.995		3703	3769
3.018		1313	488
3.037	TCX	36440	27245
3.064		13037	12158
3.122		3638	3818
3.154		5509	4186
3.207		2162	2243
3.227		1885	821
3.258		1716	971
3.307		1849	768
3.365		67990	85744
3.415		1573	923
3.45		2582	3679
3.499		3058	1918
3.517		2091	1020
3.574		2328	2468
3.623		7787	13484
3.675		701	2930
3.734		3712	5486
3.766		4224	2711
3.797		6838	6348
3.833		3758	2157
3.858		2186	1551
3.887		1768	1144
3.927		2690	1580
3.969		3044	2437
3.994		4580	3115
4.05		5771	9584
4.082		2197	1312
4.104		2297	685
4.221		6863	10343
4.295		5642	8042
4.326		2685	1434
4.351		3160	2137
4.386		171083	172429
4.431		25357	19155
4.472		3403	4532
4.5		63314	61623
4.545		227892	251275
4.581		96533	90273
4.625		8974	6895
4.648		9300	6382

ASX67 8218

RT A	Compound A	Height A	Area A
4.69		49344	51191
4.761		230979	385280
4.808		502276	529193
4.857		662611	873185
4.895		134452	105289
4.936		1526284	1741380
4.988		28384	24774
5.029		347187	429454
5.061		4685	2192
5.088		422278	472659
5.142		2472723	3414645
5.192		361699	358759
5.235		1115051	1378811
5.277		23282	13087
5.312		206664	250550
5.35		2760822	3426942
5.414		1444896	1599240
5.458		1010670	1135522
5.507		1948	960
5.578		1623362	2642988
5.637		765939	826235
5.677		444809	456119
5.717		73233	83531
5.761		497345	525360
5.818		4040041	5110548
5.904		19813	47851
5.977		34608	51204
6.024		2104762	2459250
6.068		599258	1196031
6.195		10642	10207
6.211		15643	13268
6.271		42109	33281
6.298		384268	403014
6.453		936565	1099147
6.499		52057	56123
6.655		173502	213239
6.803	DCB	30652	50208
6.881		7013	7872
6.98		9988	16505
7.091		3877	5550
7.314		1395	582
7.357		1284	778
7.501		3178	7053
7.656		1299	1365
7.812		1577	1808
7.897		1043	1908
8.088		2477	3515
8.141		1829	1195
8.178		1540	1574
8.353		1983	2341
8.446		1183	1170
8.607		1542	1909

ASX67 0211

LANCASTER LABORATORIES

Sample Number: 6706977ACF DF200 ADTS-21 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/10/2012 9:50:57 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0022.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.52		38086	43343
2.582		233086	216906
2.626		34633	23586
2.646		13087	9271
2.679		25927	43188
2.717		29188	34056
2.759		17900	21489
2.786		18734	21014
2.813		31696	20229
2.844	TCX	188735	146172
2.903		23679	24105
2.95		13869	25763
2.985		34449	52365
3.014		16300	11392
3.052		7096	6433
3.095		10421	7842
3.115		13680	9358
3.152		295396	370131
3.232		11613	9492
3.257		8368	4845
3.272		17358	12577
3.301		13925	10440
3.319		18572	16439
3.376		21670	53223
3.4		11806	8270
3.443		8148	3553
3.451		10617	5815
3.482		44116	99736
3.539		19199	42453
3.564		52958	59486
3.609		14862	13437
3.665		10697	6506
3.701		9056	7490
3.71		18268	11759
3.756		11171	4673
3.769		13562	8073
3.818		37607	45402
3.845		4493	5159
3.862		10506	5741
3.925		109689	133214
3.967		70380	130647
3.989		23358	14567
4.028		62599	109331
4.104		10971	64225
4.139		29736	23045
4.17		970620	814148
4.196		48002	30520
4.238		366055	367745
4.277		1333211	1160945
4.312		515257	412610
4.335		66617	117634
4.404		73206	68184
4.437		216926	175889
4.459		98189	66334

ASX67 8212

RT B	Compound B	Height B	Area B
4.499		511130	516683
4.547		326979	239184
4.576		4384531	5039131
4.605		1641424	1815878
4.661		10345560	9940590
4.707		263944	279802
4.736		1372848	1000122
4.761		3100929	2736637
4.807		18959710	19073570
4.862		50349	45818
4.921		12354480	12914240
4.978		2018877	2140798
5.017		4221349	4122595
5.057		16824650	16248780
5.09		9788554	8770914
5.131		7246643	6978133
5.194		81863	114078
5.237		2217127	2946295
5.288		10373770	9529078
5.315		1410844	1007164
5.364		6101305	6504210
5.401		2663170	2256074
5.426		1818852	1573741
5.482		34842180	35452930
5.523		422639	326739
5.56		843593	798428
5.65		8607	4415
5.698		5504015	5846240
5.745		20215090	22497020
5.901		406574	505762
5.943		478305	431879
5.969		78288	50541
5.99		30069	16614
6.021		2646845	2647510
6.095		10543	4340
6.125		6193153	6148926
6.156		174668	134640
6.327		974452	1077034
6.489	DCB	157972	172894
6.676		40417	36977
6.713		34290	34452
6.902		28549	52155
7.142		9662	8335
7.43		5366	3247
7.506		15845	34138
7.831		10195	35060
7.924		5291	3975
8.175		4998	1813
8.279		5930	7133
8.335		4264	4472
8.4		6805	13449
8.474		4231	5022
8.541		5521	5375

ASX67 0213

6706977ACF DF200 ADTS-21 T 121840016A 10736 SW-846 8082

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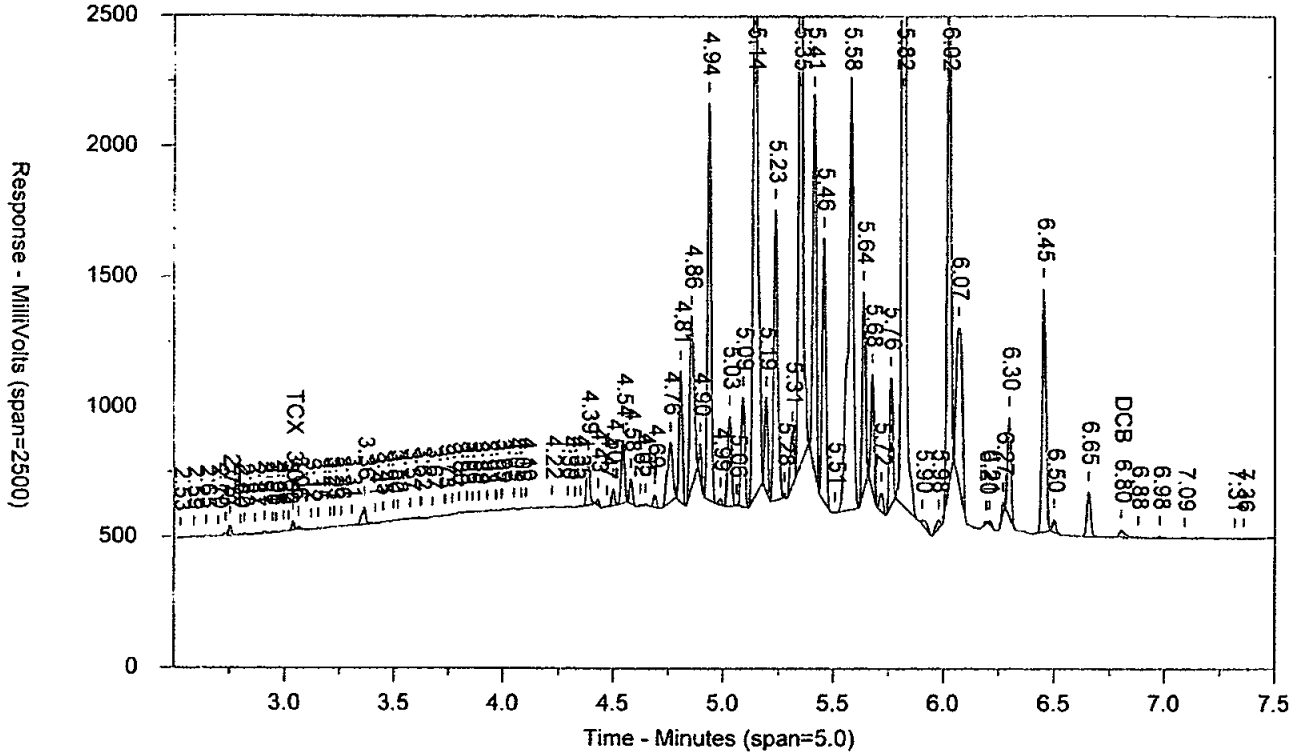

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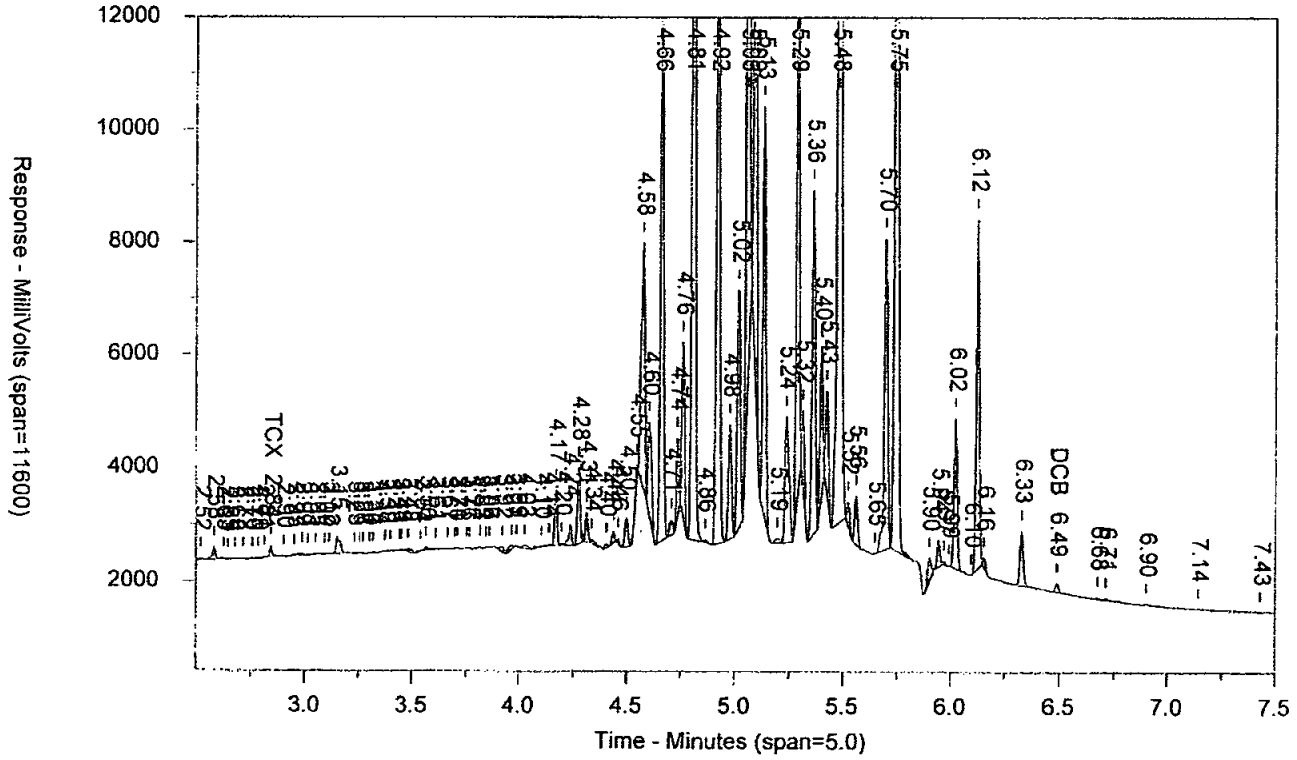


ASX67 0214

LANCASTER LABORATORIES

Sample Number: 6706977ACF DF200 ADTS-21 T 121840016A 10736 Sample Weight: 38W-846 8082
Injected On: 7/10/2012 9:50:57 PM Dilution Factor: 2000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

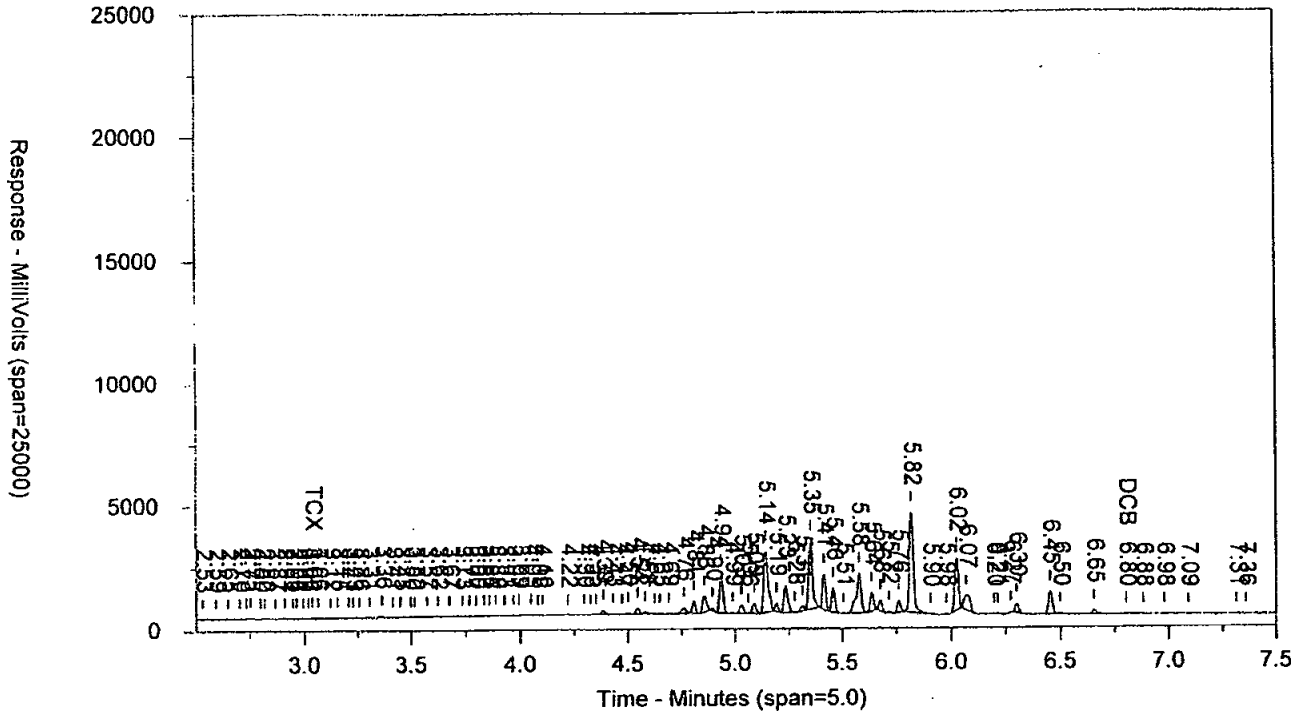
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	36440	9.377	TCX	2.844	188735	8.385	TCX
6.803	30652	14.138	DCB	6.489	157972	10.029	DCB

Files:
Area File: 5p20188.0022.RAW
Area File: 5p20188B.0022.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 9:59:39 PM
File Reported On: 7/10/2012 at 9:59:46 PM

6706977ACF DF200 ADTS-21 T 121840016A 10736 SW-846 8082

\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\5p20188.0022.RAW



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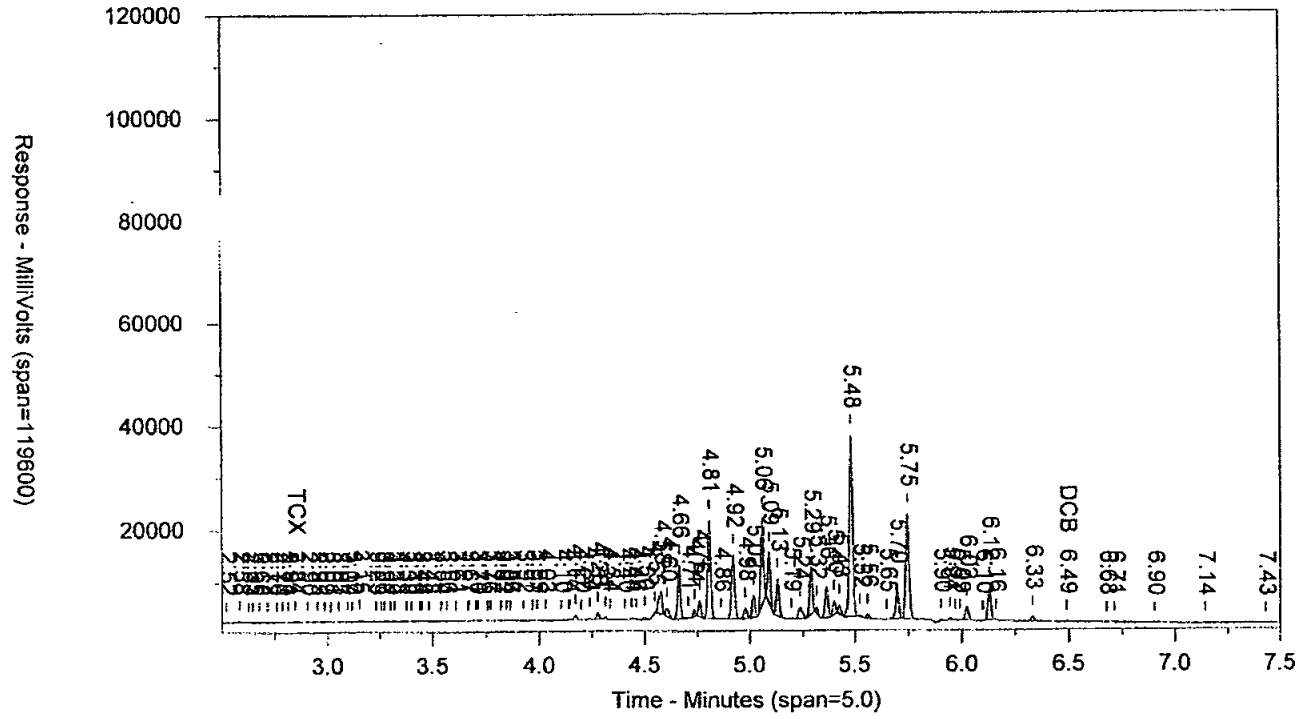

ASX67 0216

Data Summary

Sample Name: 6706978 ACF DF100 TS-22 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on Jul 10, 2012 22:02:26
Instrument 17342A
Result file 5P20188.0023.RAW
Calibration file 2P20188
Method file PESTDI20

%SSR(TCX) 120% (33 - 143) Conc: 12.214447
%SSR(DCB) 139% (24 - 164) Conc: 13.749441

Analysis Report (B)

Injected on Jul 10, 2012 22:02:26
Instrument 17342B
Result file 5P20188B.0023.RAW
Calibration file 2P20188B
Method file PESTDI20B

%SSR(TCX) 109% (33 - 143) Conc: 11.17077
%SSR(DCB) 106% (24 - 164) Conc: 10.446096

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	95560	12.214447	Tetrachloro-m-xylene	2.82	2.84	2.86	506207	11.17077
Decachlorobiphenyl	6.78	6.80	6.82	60015	13.749441	Decachlorobiphenyl	6.47	6.49	6.51	331272	10.446096

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	12.214447				8.93	
☑ Decachlorobiphenyl	A	13.749441				27.31	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.36**	
5.11	5.14	5.17	839905.5625	2308.878501			1
5.20	5.24	5.26	366452.5	2123.426536			2
5.32	5.35	5.38	915369.1875	2301.560315			3
5.38	5.41	5.44	484756.15625	2192.546015			4
5.99	6.03	6.05	839180.5	2825.194161			5
6.42	6.45	6.48	374517.53125	2761.882208			6
Height summation:			**3820181.4375**				
Concentration		CF:	**2418.914623**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.44**	
4.78	4.81	4.84	6077897	2083.06836			1
4.89	4.92	4.95	3698140.5	1753.816053			2
5.03	5.06	5.09	4977590.5	2252.608076			3
5.26	5.29	5.32	3383214.25	2075.988912			4
5.45	5.48	5.51	11586034	2471.853109			5
6.10	6.13	6.16	2432544.5	2563.643183			6
Height summation:			**32155420.75**				
Concentration		CF:	**2200.162949**	L:			

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑ Aroclor-1016			<1683.1684	<356.4357			4	40	
☑ Aroclor-1221			<1683.1684	<455.4456			3	40	
☑ Aroclor-1232			<1683.1684	<792.0792			4	40	
☑ Aroclor-1242			<1683.1684	<326.7327			4	40	
☑ Aroclor-1248			<1683.1684	<326.7327			4	40	
☑ Aroclor-1254			<1683.1684	<326.7327			4	40	
☑ Aroclor-1260	A	2418.914623	1683.1684	485.1485		9.47	4	40	
☐ Aroclor-1262			<1683.1684	<326.7327			4	40	
☐ Aroclor-1268			<1683.1684	<326.7327			4	40	
☐ Total PCBs	A	2418.914623	1683.1684	326.7327		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders Chemist
Date: JUL 11 2012

Verified by:
Date: 7/18/12

7/11/2012

ASX67 0217

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706978** ACF DF100 TS-22 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 22:02:26
Instrument : P 20--17342A
Result file : 5p20188.0023.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 120% (33-143) Conc.: 12.214447
%SSR(DCB) : 139% (24-164) Conc.: 13.749441

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	76.54	
+ 3.27	3.32	3.33	1843.807983	13.016227			1
3.27	3.33	3.33	1900.24353	13.41463			1
3.61	3.63	3.66	8011.616211	45.039287			2
+ 3.83	3.86	3.89	9804.740234	47.499273			3
3.83	3.89	3.89	20908.890625	101.293566			3
3.89	3.91	3.95	4631.682129	24.737895			4
+ 3.89	3.94	3.95	2241.288574	11.970761			4
+ 3.96	3.98	4.02	1398.964111	12.343022			5
3.96	3.99	4.02	3946.290771	34.818015			5
+ 4.09	4.10	4.15	1922.511108	15.002693			6
4.09	4.13	4.15	3413.004883	26.634054			6
Height Summation:			42811.728149				
Amount Avg CF:			40.989575	Linear:			
Aroclor-1221					4	46.95	
3.16	3.17	3.22	1662.508423	22.22161			1
+ 3.16	3.19	3.22	1271.30127	16.992612			1
3.16	3.21	3.22	1596.327515	21.337015			1
3.22	3.24	3.28	2274.551514	35.529208			2
+ 3.27	3.32	3.33	1843.807983	9.677634			3
3.27	3.33	3.33	1900.24353	9.973848			3
Height Summation:			7433.630982				
Amount Avg CF:			22.26542	Linear:			
Aroclor-1232					6	79.53	
+ 3.27	3.32	3.33	1843.807983	9.240017			1
3.27	3.33	3.33	1900.24353	9.522837			1
3.61	3.63	3.67	8011.616211	81.993123			2
+ 3.83	3.86	3.89	9804.740234	85.728992			3
3.83	3.89	3.89	20908.890625	182.819543			3
3.90	3.91	3.95	4631.682129	46.150628			4
+ 3.90	3.94	3.95	2241.288574	22.332464			4
+ 3.96	3.98	4.02	1398.964111	25.579684			5
3.96	3.99	4.02	3946.290771	72.156869			5
+ 4.10	4.10	4.16	1922.511108	29.088931			6
4.10	4.13	4.16	3413.004883	51.64114			6
Height Summation:			42811.728149				
Amount Avg CF:			74.047357	Linear:			
Aroclor-1242					6	74.94	
+ 3.27	3.32	3.33	1843.807983	15.575915			1
3.27	3.33	3.33	1900.24353	16.052665			1
3.61	3.63	3.67	8011.616211	54.490068			2
+ 3.83	3.86	3.89	9804.740234	56.35099			3
3.83	3.89	3.89	20908.890625	120.170107			3
3.90	3.91	3.96	4631.682129	30.764005			4
+ 3.90	3.94	3.96	2241.288574	14.886819			4
+ 3.97	3.98	4.03	1398.964111	15.582222			5
3.97	3.99	4.03	3946.290771	43.955364			5
+ 4.10	4.10	4.16	1922.511108	17.520752			6
4.10	4.13	4.16	3413.004883	31.104326			6
Height Summation:			42811.728149				
Amount Avg CF:			49.422756	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 22:02:26
Instrument : P 20--17342B
Result file : 5p20188B.0023.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 109% (33-143) Conc.: 11.17077
%SSR(DCB) : 106% (24-164) Conc.: 10.446096

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	173.89	
+ 3.11	3.11	3.17	14777.202148	20.21453			1
3.11	3.15	3.17	1329464	1818.645325			1
3.45	3.48	3.51	26162.28125	29.273633			2
+ 3.65	3.67	3.70	53403.777344	52.639423			3
3.65	3.70	3.70	132384.40625	130.489624			3
3.72	3.75	3.78	17929.105469	17.096494			4
+ 3.79	3.80	3.85	10986.291016	16.778073			5
3.79	3.82	3.85	31868.822266	48.669513			5
3.90	3.91	3.96	336999.625	392.044465			6
Height Summation:			1874808.240235				
Amount Avg CF:			406.036509	Linear:			
Aroclor-1221					3	147.69	
2.99	3.02	3.05	37299.058594	92.574275			1
+ 3.05	3.09	3.11	10091.84082	34.55984			2
* 3.05	3.11	3.11	14777.202148	50.605014			2
+* 3.11	3.11	3.17	14777.202148	14.574784			3
3.11	3.15	3.17	1329464	1311.252972			3
Height Summation:			1381540.260742				
Amount Avg CF:			484.810754	Linear:			
Aroclor-1232					6	107.02	
3.11	3.15	3.17	1329464	1317.981988			1
3.45	3.48	3.51	26162.28125	55.229214			2
+ 3.65	3.67	3.71	53403.777344	101.279742			3
3.65	3.70	3.71	132384.40625	251.065733			3
3.72	3.75	3.78	17929.105469	33.254224			4
+ 3.79	3.80	3.85	10986.291016	117.662442			5
3.79	3.82	3.85	31868.822266	341.312954			5
3.90	3.91	3.96	336999.625	846.801317			6
Height Summation:			1874808.240235				
Amount Avg CF:			474.274238	Linear:			
Aroclor-1242					6	160.75	
+ 3.11	3.11	3.17	14777.202148	24.40878			1
3.11	3.15	3.17	1329464	2195.99042			1
3.45	3.48	3.51	26162.28125	36.66851			2
+ 3.65	3.67	3.71	53403.777344	67.439331			3
3.65	3.70	3.71	132384.40625	167.17761			3
3.72	3.75	3.78	17929.105469	21.790554			4
+ 3.79	3.80	3.85	10986.291016	72.256219			5
3.79	3.82	3.85	31868.822266	209.599454			5
3.90	3.91	3.96	336999.625	496.987591			6
Height Summation:			1874808.240235				
Amount Avg CF:			521.369023	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706978** ACF DF100 TS-22 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 22:02:26
Instrument : P 20–17342A
Result file : 5p20188.0023.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	108.38	
+ 3.96	3.98	4.02	1398.964111	8.656617			1
3.96	3.99	4.02	3946.290771	24.41916			1
+ 4.09	4.10	4.15	1922.511108	10.318971			2
4.09	4.13	4.15	3413.004883	18.319113			2
+ 4.19	4.19	4.25	2073.698975	12.485316			3
4.19	4.22	4.25	4077.079102	24.547257			3
4.37	4.39	4.43	102382.35156	704.45694			4
4.51	4.55	4.57	140043.39062	832.774606			5
4.78	4.81	4.84	136235.17187	1125.680626			6
Height Summation:			**390097.288819**				
Amount Avg CF:			**455.03295**	Linear:			
Aroclor-1254					6	113.96	
4.51	4.55	4.58	140043.39062	452.562646			1
+ 4.72	4.75	4.78	9427.740234	47.259557			2
4.72	4.76	4.78	25891.976563	129.791796			2
4.78	4.81	4.84	136235.17187	358.251209			3
5.00	5.03	5.06	111316.22656	369.963896			4
5.20	5.24	5.26	366452.5	1559.250354			5
5.32	5.35	5.38	915369.1875	3019.888425			6
Height Summation:			**1695308.453126**				
Amount Avg CF:			**981.618054**	Linear:			
Aroclor-1260					6	12.36	
5.11	5.14	5.17	839905.5625	2308.878501			1
5.20	5.24	5.26	366452.5	2123.426536			2
5.32	5.35	5.38	915369.1875	2301.560315			3
5.38	5.41	5.44	484756.15625	2192.546015			4
5.99	6.03	6.05	839180.5	2825.194161			5
6.42	6.45	6.48	374517.53125	2761.882208			6
Height Summation:			**3820181.437500**				
Amount Avg CF:			**2418.914623**	Linear:			
Aroclor-1262					6	28.52	
5.11	5.14	5.17	839905.5625	2793.174216			1
5.38	5.41	5.44	484756.15625	1238.303057			2
+ 5.55	5.56	5.61	18812.773438	69.54443			3
5.55	5.58	5.61	468985.3125	1733.679324			3
5.79	5.82	5.85	1456286.25	1975.186966			4
5.99	6.03	6.05	839180.5	2040.100944			5
6.43	6.45	6.49	374517.53125	1508.950924			6
Height Summation:			**4463631.312500**				
Amount Avg CF:			**1881.565905**	Linear:			
Aroclor-1268					6	90.35	
5.99	6.03	6.05	839180.5	1047.881061			1
6.05	6.08	6.11	238912.84375	346.049651			2
6.18	6.21	6.24	11515.222656	18.391761			3
+ 6.25	6.27	6.31	15714.898438	92.204278			4
6.25	6.30	6.31	148961.25	874.002751			4
6.43	6.45	6.49	374517.53125	1311.934797			5
6.63	6.66	6.69	69772.234375	38.878704			6
Height Summation:			**1682859.582031**				
Amount Avg CF:			**606.189788**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 22:02:26
Instrument : P 20–17342B
Result file : 5p20188B.0023.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					8	100.35	
+ 3.79	3.80	3.85	10986.291016	13.133629			1
3.79	3.82	3.85	31868.822266	38.09778			1
3.90	3.91	3.96	336999.625	276.078397			2
+ 4.14	4.15	4.20	15460.71875	8.951837			3
4.14	4.17	4.20	318626.0625	184.486154			3
4.14	4.19	4.20	53419.921875	30.930414			3
4.47	4.50	4.53	404498.4375	730.068137			4
4.54	4.58	4.60	1243656.75	1577.330261			5
+ 4.71	4.71	4.77	42322.761719	61.443271			6
4.71	4.74	4.77	351789.5	510.720395			6
4.71	4.76	4.77	886549.8125	1287.073861			6
Height Summation:			**3627408.931641**				
Amount Avg CF:			**579.348175**	Linear:			
Aroclor-1254					7	134.71	
4.47	4.50	4.53	404498.4375	290.6067			1
4.54	4.58	4.60	1243656.75	525.819104			2
+ 4.71	4.71	4.77	42322.761719	21.670668			3
4.71	4.74	4.77	351789.5	180.127978			3
4.71	4.76	4.77	886549.8125	453.943126			3
4.78	4.81	4.84	6077897	4859.209098			4
4.95	4.98	5.01	414374.03125	331.287091			5
5.03	5.06	5.09	4977590.5	2540.944585			6
+ 5.03	5.09	5.09	3051793.25	1557.869723			6
Height Summation:			**14356356.031250**				
Amount Avg CF:			**1311.705383**	Linear:			
Aroclor-1260					6	13.44	
4.78	4.81	4.84	6077897	2083.06836			1
4.89	4.92	4.95	3698140.5	1753.816053			2
5.03	5.06	5.09	4977590.5	2252.608076			3
5.26	5.29	5.32	3383214.25	2075.988912			4
+ 5.26	5.32	5.32	295656.53125	181.419099			4
5.45	5.48	5.51	11586034	2471.853109			5
6.10	6.13	6.16	2432544.5	2563.643183			6
Height Summation:			**32155420.750000**				
Amount Avg CF:			**2200.162949**	Linear:			
Aroclor-1262					6	34.42	
4.89	4.92	4.95	3698140.5	2019.517381			1
5.06	5.09	5.12	3051793.25	939.905534			2
5.26	5.29	5.32	3383214.25	1331.850437			3
+ 5.26	5.32	5.32	295656.53125	116.389401			3
5.45	5.48	5.51	11586034	1823.418603			4
+ 5.67	5.68	5.73	197330.34375	86.879157			5
5.67	5.70	5.73	1825268.625	803.615886			5
6.10	6.13	6.16	2432544.5	1382.872383			6
Height Summation:			**25976995.125000**				
Amount Avg CF:			**1383.530037**	Linear:			
Aroclor-1268					6	119.83	
+ 5.67	5.68	5.73	197330.34375	27.053129			1
5.67	5.70	5.73	1825268.625	250.236365			1
5.72	5.75	5.78	7919197	1264.123443			2
5.87	5.91	5.93	118574.25	28.364578			3
5.94	5.94	6.00	166218.85937	149.907701			4
+ 5.94	5.97	6.00	23173.96875	20.899893			4
6.10	6.13	6.16	2432544.5	1184.863981			5
6.30	6.33	6.36	387557.9375	27.056444			6
Height Summation:			**12849361.171875**				
Amount Avg CF:			**484.092085**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706978** ACF DF100 TS-22 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 22:02:26
Instrument : P 20–17342A
Result file : 5p20188.0023.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 10, 2012 22:02:26
Instrument : P 20–17342B
Result file : 5p20188B.0023.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1683.1684	356.4357		** 163.32	4	40	
Aroclor-1221			1683.1684	455.4456		** 182.44	3	40	
Aroclor-1232			1683.1684	792.0792		** 145.98	4	40	
Aroclor-1242			1683.1684	326.7327		** 165.37	4	40	
Aroclor-1248			1683.1684	326.7327		24.04	4	40	
Aroclor-1254			1683.1684	326.7327		28.79	4	40	
Aroclor-1260			1683.1684	485.1485		9.47	4	40	
Aroclor-1262			1683.1684	326.7327		30.51	4	40	
Aroclor-1268			1683.1684	326.7327		22.40	4	40	
Total PCBs			1683.1684	326.7327					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706978ACF DF100 ADTS-22 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/10/2012 10:02:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0023.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.524		1920	646
2.587		3435	3897
2.616		2471	2147
2.651		2784	2438
2.699		1725	824
2.732		112518	87300
2.753		46430	35234
2.824		4776	6423
2.877		2309	4263
2.91		49542	37944
2.963		2017	3116
2.999		1876	1648
3.038	TCX	95560	71795
3.063		12790	9226
3.128		3431	2631
3.15		7694	5178
3.173		1663	607
3.194		1271	410
3.209		1596	713
3.244		2275	2886
3.315		1844	3287
3.326		1900	1008
3.365		256204	202024
3.442		5357	6126
3.505		1822	5437
3.522		2557	1424
3.56		2096	1697
3.628		8012	20735
3.697		2953	6233
3.716		1867	436
3.761		19411	17024
3.796		9021	6863
3.83		6203	6287
3.862		9805	7824
3.889		20909	16054
3.908		4632	2195
3.938		2241	1212
3.976		1399	1006
3.993		3946	3171
4.039		27656	30144
4.074		1861	945
4.098		1923	1111
4.127		3413	2383
4.167		1485	1454
4.187		2074	1311
4.222		4077	4661
4.256		1590	523
4.292		1979	1491
4.351		3335	4443
4.387		102382	197912
4.476		15065	42995
4.501		17692	16517
4.547		140043	153613
4.583		9941	8209

ASX67 0221

RT A	Compound A	Height A	Area A
4.649		2055	1249
4.668		9322	6763
4.692		10640	9113
4.747		9428	7331
4.762		25892	19228
4.808		136235	155249
4.858		188676	244230
4.898		38345	30632
4.937		453448	515460
4.989		5224	4497
5.03		111316	150870
5.091		121859	125779
5.142		839906	1135801
5.193		103228	102576
5.236		366453	455881
5.315		64104	77191
5.351		915369	1147648
5.414		484756	540457
5.458		326325	383292
5.559		18813	29161
5.58		468985	484532
5.64		277993	328045
5.677		140835	137819
5.719		23970	24265
5.761		213856	235099
5.818		1456286	2132265
5.913		165285	189975
5.952		100317	92796
5.976		10300	7887
6.026		839181	933019
6.076		238913	470007
6.214		11515	19292
6.274		15715	13491
6.3		148961	153284
6.454		374518	437982
6.5		19996	21045
6.657		69772	83502
6.75		1203	287
6.805	DCB	60015	83215
6.833		8494	7939
6.981		36137	63472
7.172		4205	5876
7.222		1196	880
7.26		1787	1199
7.347		1454	885
7.404		1151	1508
7.506		2757	5946
7.562		1315	519
7.633		1439	851
7.708		988	1154
7.846		1599	1013
7.876		1117	368
7.932		1343	830
8.02		105533	265898
8.174		1984	1207
8.206		1833	2848
8.252		1635	699
8.427		1772	3012
8.437		1556	1161
8.492		1224	1268
8.524		1057	542

ASX67 B222

LANCASTER LABORATORIES

Sample Number: 6706978ACF DF100 ADTS-22 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/10/2012 10:02:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0023.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.524		381441	398207
2.582		256388	201998
2.61		14216	5494
2.634		23708	23561
2.665		12264	4915
2.681		8887	4854
2.715		126600	95382
2.763		11435	6243
2.781		16701	14438
2.814		15766	12883
2.845	TCX	506207	361309
2.88		9123	6032
2.91		10827	3989
2.923		14107	15024
2.97		65566	75255
3.019		37299	24669
3.051		11245	5802
3.085		10092	7077
3.107		14777	12734
3.151		1329464	962796
3.199		8667	5893
3.234		17321	16334
3.264		5766	1746
3.302		13201	14987
3.324		20935	15667
3.356		12521	12035
3.409		8498	5269
3.482		26162	29022
3.525		13678	9013
3.566		180467	165982
3.625		37730	53693
3.668		53404	40273
3.699		132384	152941
3.749		17929	29504
3.797		10986	11381
3.821		31869	44203
3.911		337000	882330
3.973		50449	324534
3.991		123390	81838
4.027		47442	90548
4.079		20678	29629
4.119		15356	11922
4.146		15461	7506
4.17		318626	233269
4.19		53420	32368
4.239		101576	85951
4.277		824778	717894
4.311		80372	68372
4.363		21881	46039
4.412		13414	12813
4.439		274001	532325
4.499		404498	650996
4.576		1243657	1836333
4.607		408749	467028

ASX67 8223

RT B	Compound B	Height B	Area B
4.663		2815505	2825321
4.71		42323	37314
4.736		351790	264112
4.762		886550	746062
4.808		6077897	6206105
4.921		3698141	3868112
4.98		414374	432508
5.018		1238422	1216909
5.057		4977591	4977569
5.09		3051793	2763141
5.132		2298257	2282883
5.186		15501	12638
5.236		696754	890631
5.289		3383214	3281798
5.315		295657	215064
5.364		2086371	2169536
5.401		907095	763850
5.426		671377	533836
5.481		11586030	12484010
5.522		112333	82330
5.56		252071	235411
5.675		197330	211635
5.698		1825269	1766730
5.745		7919197	8950304
5.795		979800	2003723
5.906		118574	219984
5.945		166219	160702
5.971		23174	11738
6.021		1009685	1051459
6.125		2432545	2398831
6 157		73236	55476
6.328		387558	424733
6.434		7920	9284
6.49	DCB	331272	361976
6.674		71134	106824
6.719		72888	70443
6.907		136384	217959
7.042		9053	23030
7.477		6111	3238
7.623		5534	3321
7.842		265877	624894
8.065		6259	4987
8.168		6843	3259
8.198		4487	2056
8.232		4291	2266
8.48		7054	10303
8.679		14165	26067

ASX67 8224

6706978ACF DF100 ADTS-22 T 121840016A 10736 SW-846 8082

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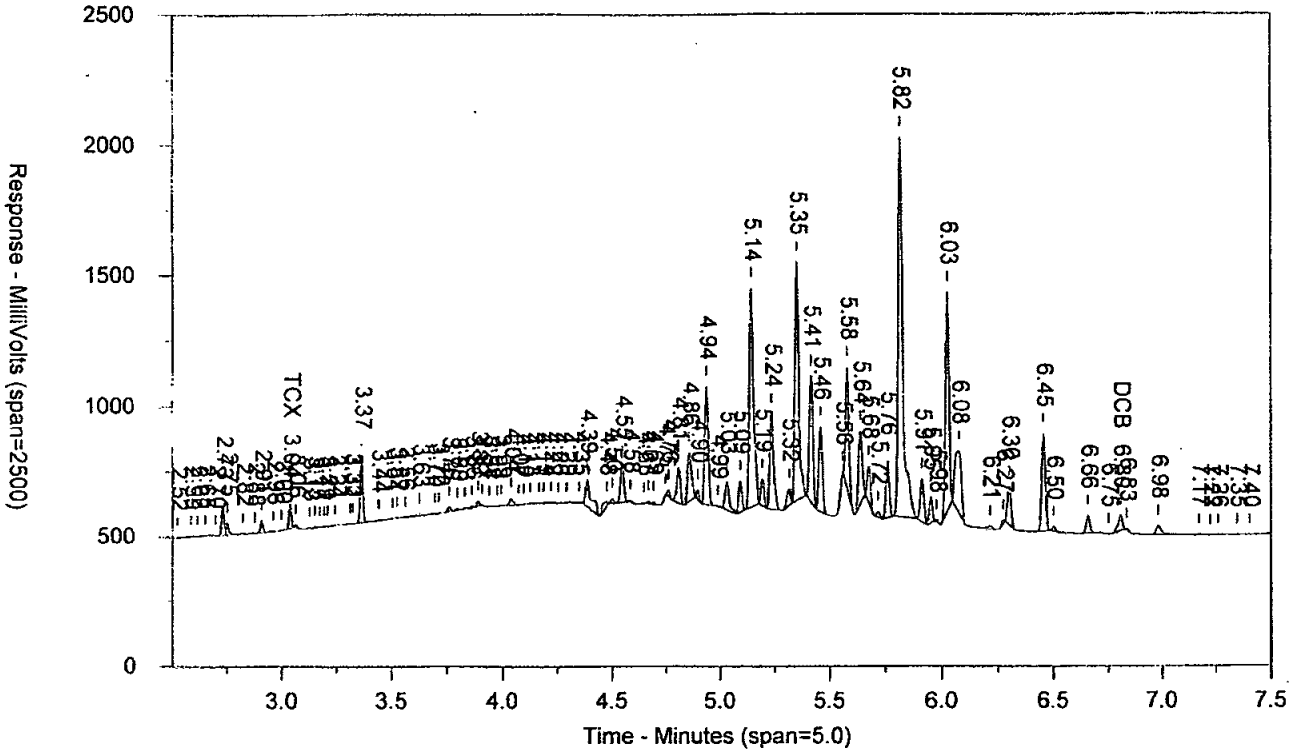

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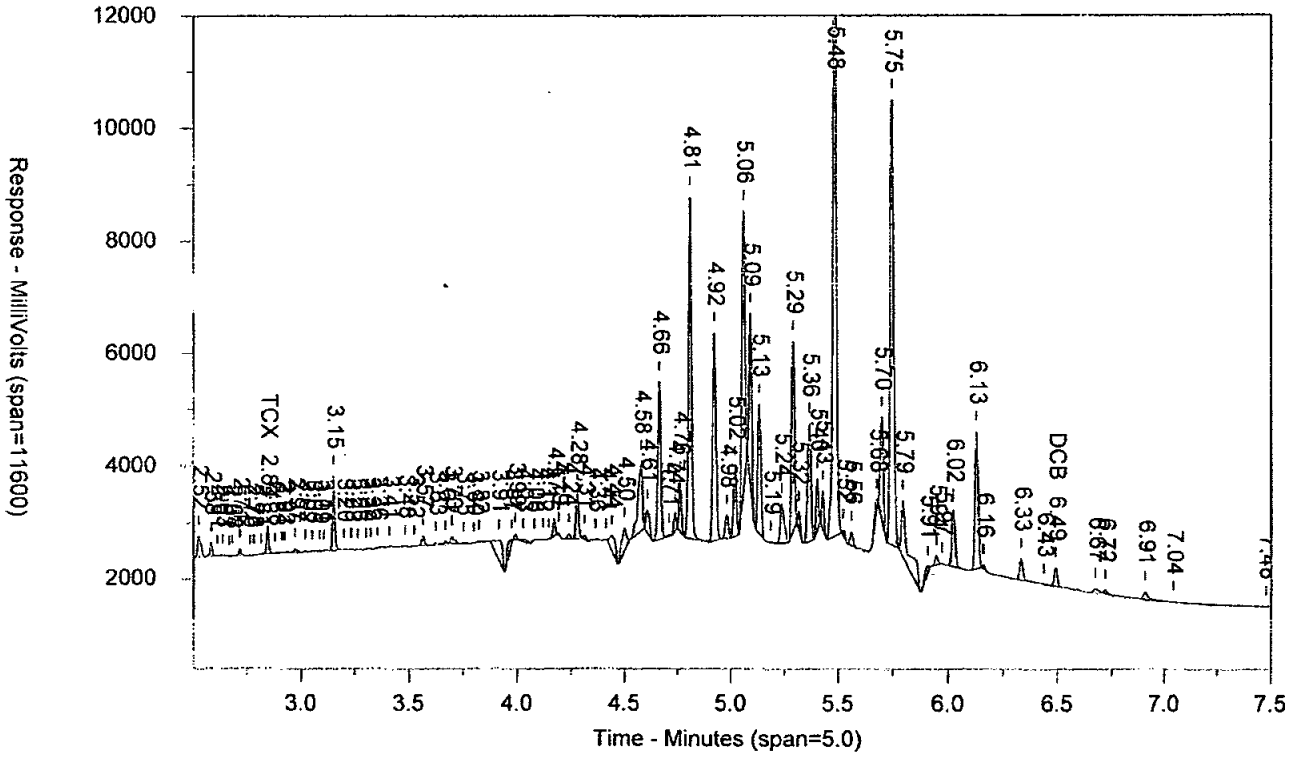

ASX67 9225

LANCASTER LABORATORIES

Sample Number: 6706978ACF DF100 ADTS-22 T 121840016A 10736 Sample Weight: 38.9-846 8082
Injected On: 7/10/2012 10:02:26 PM Dilution Factor: 1000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	95560	12.214	TCX	2.845	506207	11.171	TCX
6.805	60015	13.749	DCB	6.49	331272	10.446	DCB

Files:
Area File: 5p20188.0023.RAW
Area File: 5p20188B.0023.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 10:11:08 PM
File Reported On: 7/10/2012 at 10:11:14 PM

ASX67 B226

6706978ACF DF100 ADTS-22 T 121840016A 10736 SW-846 8082

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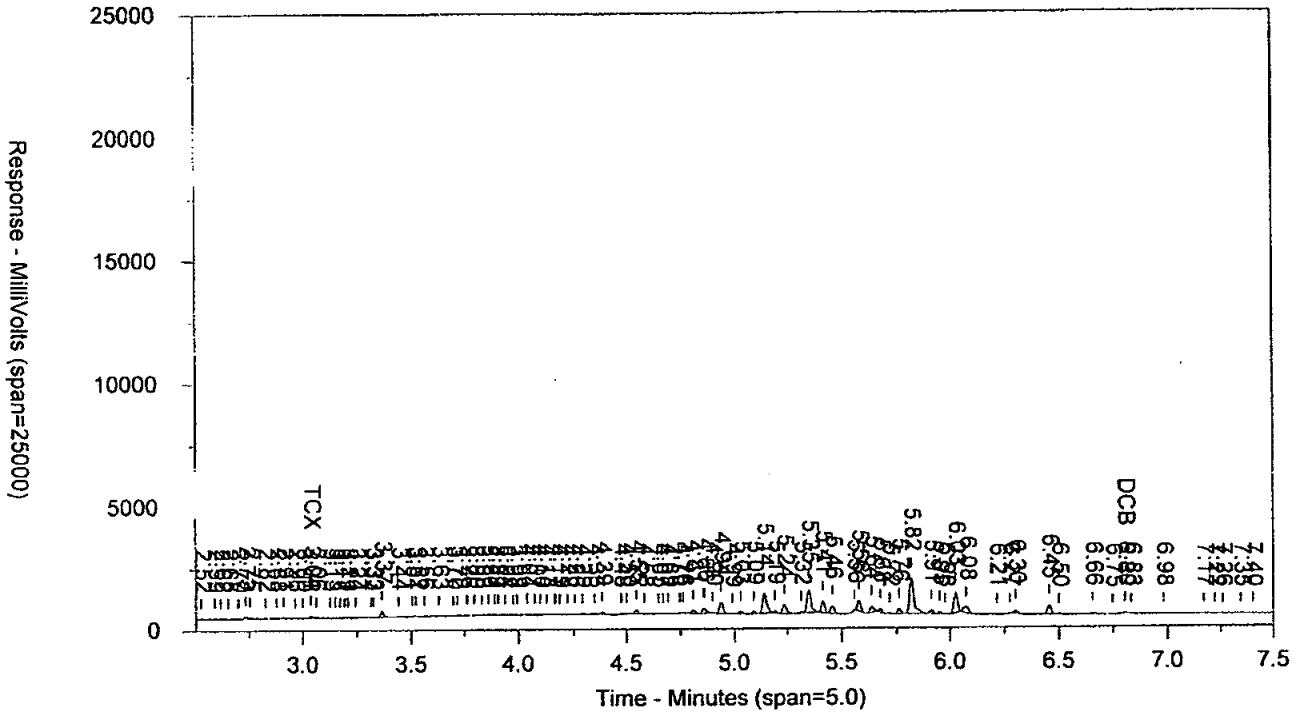

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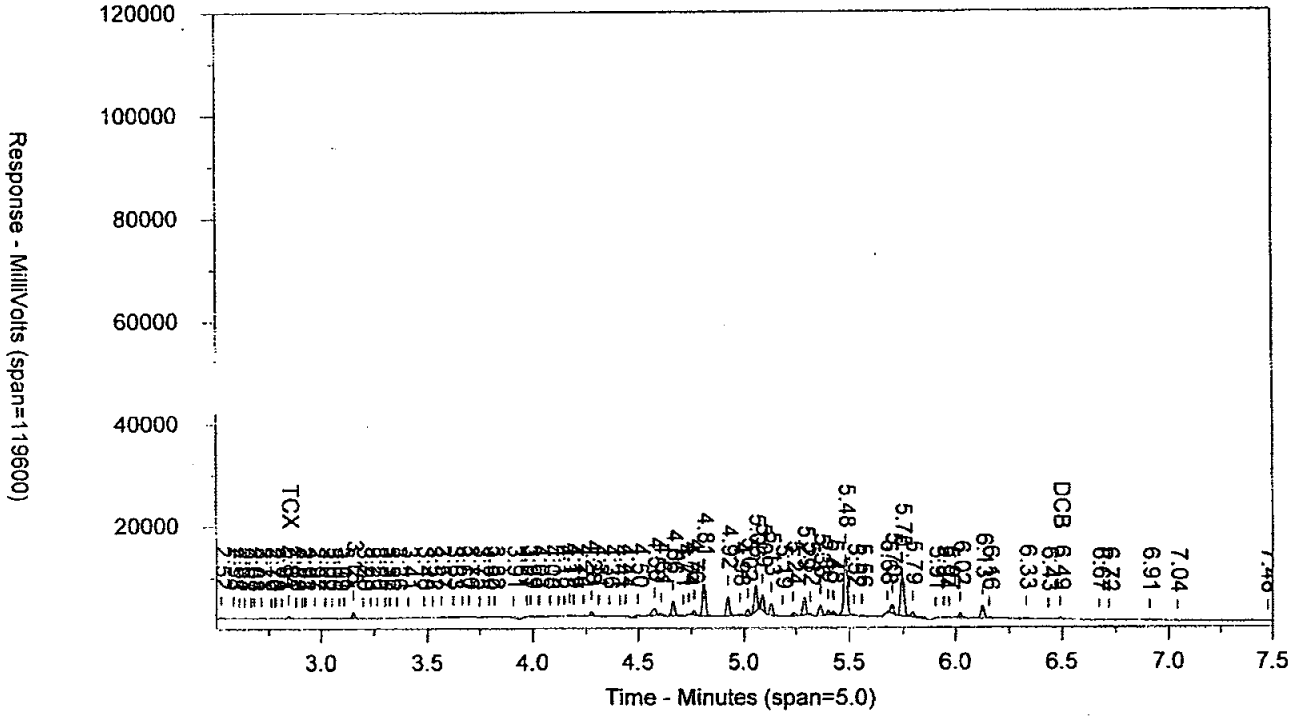

ASX67 0227

Data Summary

Sample Name: 6706979 ACF DF5 TS-23 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 50 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on Jul 06, 2012 18:10:28
Instrument 17342A
Result file 1P20188.0058.RAW
Calibration file 1P20188
Method file PESTDI20

%SSR(TCX) 107% (33 - 143) Conc: 10.995933
%SSR(DCB) 117% (24 - 164) Conc: 11.617269

Analysis Report (B)

Injected on Jul 06, 2012 18:10:28
Instrument 17342B
Result file 1P20188B.0058.RAW
Calibration file 1P20188B
Method file PESTDI20B

%SSR(TCX) 103% (33 - 143) Conc: 10.509703
%SSR(DCB) 101% (24 - 164) Conc: 9.988007

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	1714855	10.995933	Tetrachloro-m-xylene	2.82	2.84	2.86	9493583	10.509703
Decachlorobiphenyl	6.78	6.80	6.82	1010816	11.617269	Decachlorobiphenyl	6.47	6.49	6.51	6313981	9.988007

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	10.995933				4.52	
☑ Decachlorobiphenyl	A	11.617269				15.08	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.66**	
5.11	5.14	5.17	4257958	587.188656			1
5.20	5.23	5.26	1907812.75	554.575858			2
5.32	5.35	5.38	4867872.5	614.003613			3
5.38	5.41	5.44	2526220.25	573.19482			4
5.99	6.02	6.05	4545710	767.71549			5
6.42	6.45	6.48	2034404.375	752.620325			6

Height summation: **20139977.875**
Concentration CF: **641.549794** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.50**	
4.78	4.81	4.84	34181812	587.693556			1
4.89	4.92	4.95	21285628	506.398911			2
5.03	5.06	5.09	29655224	673.245318			3
5.26	5.29	5.32	19413940	597.605894			4
5.45	5.48	5.51	75937888	812.740751			5
6.10	6.12	6.16	15087903	797.684823			6

Height summation: **195562395**
Concentration CF: **662.561542** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑ Aroclor-1016			<84.4371	<17.8808			4	40	
☑ Aroclor-1221			<84.4371	<22.8477			3	40	
☑ Aroclor-1232			<84.4371	<39.7351			4	40	
☑ Aroclor-1242			<84.4371	<16.3907			4	40	
☑ Aroclor-1248			<84.4371	<16.3907			4	40	
☑ Aroclor-1254			<84.4371	<16.3907			4	40	
☑ Aroclor-1260	B	662.561542	84.4371	24.3377		3.22	4	40	
☐ Aroclor-1262			<84.4371	<16.3907			4	40	
☐ Aroclor-1268			<84.4371	<16.3907			4	40	
☐ Total PCBs	A	662.561542	84.4371	16.3907		200.00			

Units: ug/kg

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

Jennifer E. Lewis
Jenifer E. Lewis
Manager

Reviewed by: Jessica L. Miller
Jessica L. Miller
Chemist
Date: JUL 13 2012

Verified by: JUL 13 2012
Date:

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706979** ACF DF5 TS-23 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 50 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20--17342A
Result file : 1p20188.0058.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 107% (33-143) Conc.: 10.995933
%SSR(DCB) : 117% (24-164) Conc.: 11.617269

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	103.41	
3.27	3.30	3.33	4050.481445	1.434438			1
3.61	3.62	3.66	9586.044922	2.703439			2
3.83	3.86	3.89	3507.4104	0.852399			3
+ 3.89	3.91	3.95	1371.160034	0.367382			4
3.89	3.94	3.95	3697.371582	0.990656			4
3.96	3.99	4.02	22573.85351	9.991399			5
+ 3.96	4.02	4.02	7218.030762	3.194768			5
4.09	4.12	4.15	10900.95507	4.267471			6
Height Summation:			**54316.116943**				
Amount Avg CF:			**3.3733**	Linear:			
Aroclor-1221					3	152.93	
3.16	3.19	3.22	1189.598633	0.79766			1
3.22	3.24	3.28	28098.03125	22.017667			2
3.27	3.30	3.33	4050.481445	1.066512			3
Height Summation:			**33338.111328**				
Amount Avg CF:			**7.960613**	Linear:			
Aroclor-1232					6	117.98	
3.27	3.30	3.33	4050.481445	1.018285			1
3.61	3.62	3.67	9586.044922	4.921556			2
3.83	3.86	3.89	3507.4104	1.538452			3
+ 3.90	3.91	3.95	1371.160034	0.685382			4
3.90	3.94	3.95	3697.371582	1.848152			4
3.96	3.99	4.02	22573.85351	20.706179			5
+ 3.96	4.02	4.02	7218.030762	6.620838			5
4.10	4.12	4.16	10900.95507	8.274259			6
Height Summation:			**54316.116943**				
Amount Avg CF:			**6.384481**	Linear:			
Aroclor-1242					6	106.65	
3.27	3.30	3.33	4050.481445	1.716525			1
3.61	3.62	3.67	9586.044922	3.270712			2
3.83	3.86	3.89	3507.4104	1.011248			3
+ 3.90	3.91	3.96	1371.160034	0.456876			4
3.90	3.94	3.96	3697.371582	1.231978			4
3.97	3.99	4.03	22573.85351	12.613458			5
+ 3.97	4.02	4.03	7218.030762	4.033176			5
4.10	4.12	4.16	10900.95507	4.983725			6
Height Summation:			**54316.116943**				
Amount Avg CF:			**4.137941**	Linear:			
Aroclor-1248					6	146.25	
3.97	3.99	4.03	22573.85351	6.848002			1
+ 3.97	4.02	4.03	7218.030762	2.189661			1
4.10	4.12	4.16	10900.95507	2.873995			2
4.19	4.21	4.25	16506.35937	4.990419			3
+ 4.38	4.38	4.44	320813.0312	111.106032			4
4.38	4.43	4.44	52755.1875	18.270516			4
4.51	4.54	4.57	630992.9375	187.818095			5
4.78	4.81	4.84	747483	300.817969			6
Height Summation:			**1481212.292969**				
Amount Avg CF:			**86.936499**	Linear:			

Analysis Report (B)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20--17342B
Result file : 1p20188B.0058.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 103% (33-143) Conc.: 10.509703
%SSR(DCB) : 101% (24-164) Conc.: 9.988007

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					8	254.43	
+ 3.11	3.11	3.17	19883.84179	1.364512			1
3.11	3.15	3.17	3537308.75	242.744869			1
+ 3.45	3.45	3.51	25404.38671	1.425986			2
3.45	3.48	3.51	21413.4375	1.201968			2
3.45	3.49	3.51	29371.63281	1.648674			2
3.65	3.69	3.70	19789.24804	0.97853			3
3.72	3.76	3.78	38587.33984	1.845861			4
+ 3.79	3.79	3.85	116369.2656	8.915279			5
3.79	3.82	3.85	63207.89062	4.842481			5
3.79	3.84	3.85	81695.85156	6.25888			5
3.90	3.93	3.96	114894.6875	6.705197			6
Height Summation:			**3906268.837892**				
Amount Avg CF:			**33.278308**	Linear:			
Aroclor-1221					3	129.06	
2.99	3.02	3.05	129246.4062	16.092243			1
3.05	3.07	3.11	115046.7812	19.764301			2
+ 3.11	3.11	3.17	19883.84179	0.98382			3
3.11	3.15	3.17	3537308.75	175.020344			3
Height Summation:			**3781601.937500**				
Amount Avg CF:			**70.292296**	Linear:			
Aroclor-1232					8	169.68	
+ 3.11	3.11	3.17	19883.84179	0.988869			1
3.11	3.15	3.17	3537308.75	175.918504			1
+ 3.45	3.45	3.51	25404.38671	2.690343			2
3.45	3.48	3.51	21413.4375	2.267698			2
3.45	3.49	3.51	29371.63281	3.110477			2
3.65	3.69	3.71	19789.24804	1.882719			3
3.72	3.76	3.78	38587.33984	3.590366			4
+ 3.79	3.79	3.85	116369.2656	62.521691			5
3.79	3.82	3.85	63207.89062	33.95969			5
3.79	3.84	3.85	81695.85156	43.892713			5
3.90	3.93	3.96	114894.6875	14.482973			6
Height Summation:			**3906268.837892**				
Amount Avg CF:			**34.888143**	Linear:			
Aroclor-1242					8	226.36	
+ 3.11	3.11	3.17	19883.84179	1.64763			1
3.11	3.15	3.17	3537308.75	293.111251			1
+ 3.45	3.45	3.51	25404.38671	1.786208			2
3.45	3.48	3.51	21413.4375	1.5056			2
3.45	3.49	3.51	29371.63281	2.065149			2
3.65	3.69	3.71	19789.24804	1.25365			3
3.72	3.76	3.78	38587.33984	2.352665			4
+ 3.79	3.79	3.85	116369.2656	38.394418			5
3.79	3.82	3.85	63207.89062	20.854563			5
3.79	3.84	3.85	81695.85156	26.954408			5
3.90	3.93	3.96	114894.6875	8.500055			6
Height Summation:			**3906268.837892**				
Amount Avg CF:			**44.574668**	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706979** ACF DF5 TS-23 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 50 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20–17342A
Result file : 1p20188.0058.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	111.93	
4.51	4.54	4.58	630992.9375	102.293078			1
4.72	4.76	4.78	297832.625	74.896232			2
4.78	4.81	4.84	747483	98.606468			3
5.00	5.03	5.06	538177.375	89.728822			4
+ 5.00	5.06	5.06	5520.774414	0.920463			4
5.20	5.23	5.26	1907812.75	407.229818			5
5.32	5.35	5.38	4867872.5	805.637112			6
Height Summation:			**8990171.187500**				
Amount Avg CF:			**263.065255**	Linear:			
Aroclor-1260					6	14.66	
5.11	5.14	5.17	4257958	587.188656			1
5.20	5.23	5.26	1907812.75	554.575858			2
5.32	5.35	5.38	4867872.5	614.003613			3
5.38	5.41	5.44	2526220.25	573.19482			4
5.99	6.02	6.05	4545710	767.71549			5
6.42	6.45	6.48	2034404.375	752.620325			6
Height Summation:			**20139977.875000**				
Amount Avg CF:			**641.549794**	Linear:			
Aroclor-1262					6	26.00	
E 5.11	5.14	5.17	4257958	710.353626			1
5.38	5.41	5.44	2526220.25	323.728165			2
E 5.55	5.58	5.61	3098884.5	574.672717			3
E 5.79	5.81	5.85	8104487	551.432874			4
E 5.99	6.02	6.05	4545710	554.375029			5
E 6.43	6.45	6.49	2034404.375	411.193183			6
Height Summation:			**24567664.125000**				
Amount Avg CF:			**520.959266**	Linear:			
Aroclor-1268					6	116.86	
5.99	6.02	6.05	4545710	284.750172			1
6.05	6.07	6.11	1258992.75	91.480348			2
6.18	6.21	6.24	112115.2812	8.983001			3
6.25	6.27	6.31	88531.80468	26.058203			4
+ 6.25	6.29	6.31	794298.5625	233.791614			4
E 6.43	6.45	6.49	2034404.375	357.505758			5
6.63	6.65	6.69	492698.1875	13.772595			6
Height Summation:			**8532452.398438**				
Amount Avg CF:			**130.425013**	Linear:			

Analysis Report (B)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20–17342B
Result file : 1p20188B.0058.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	171.77	
3.76	3.79	3.82	116369.2656	6.765459			1
+ 3.76	3.82	3.82	63207.89062	3.674771			1
3.90	3.93	3.96	114894.6875	4.909125			2
4.00	4.03	4.06	102065.4375	6.678933			3
4.14	4.15	4.20	45695.28125	3.442462			4
4.14	4.17	4.20	1945588.75	146.571269			4
+ 4.14	4.20	4.20	141353.8281	10.648915			4
4.29	4.31	4.35	577496.8125	39.937058			5
+ 4.29	4.34	4.35	61686.41796	4.265953			5
+ 4.54	4.55	4.60	361399.5312	24.145825			6
E 4.54	4.58	4.60	6243713	417.154952			6
Height Summation:			**9145823.234375**				
Amount Avg CF:			**89.351323**	Linear:			
Aroclor-1254					7	136.59	
4.47	4.50	4.53	1211656.25	43.669062			1
+ 4.54	4.55	4.60	361399.5312	7.665299			2
4.54	4.58	4.60	6243713	132.429403			2
+ 4.71	4.71	4.77	391348.25	10.052344			3
4.71	4.74	4.77	2013814.875	51.72774			3
4.71	4.76	4.77	5177544.5	132.9927			3
4.78	4.81	4.84	34181812	1370.922784			4
4.95	4.98	5.01	2679949	107.484087			5
5.03	5.06	5.09	29655224	759.421518			6
Height Summation:			**81163713.625000**				
Amount Avg CF:			**371.235328**	Linear:			
Aroclor-1260					6	18.50	
4.78	4.81	4.84	34181812	587.693556			1
4.89	4.92	4.95	21285628	506.398911			2
5.03	5.06	5.09	29655224	673.245318			3
5.26	5.29	5.32	19413940	597.605894			4
+ 5.26	5.32	5.32	1989663.5	61.246436			4
5.45	5.48	5.51	75937888	812.740751			5
6.10	6.12	6.16	15087903	797.684823			6
Height Summation:			**195562395.000000**				
Amount Avg CF:			**662.561542**	Linear:			
Aroclor-1262					6	33.90	
E 4.89	4.92	4.95	21285628	583.117825			1
5.06	5.09	5.12	18932826	292.516389			2
E 5.26	5.29	5.32	19413940	383.39399			3
+ 5.26	5.32	5.32	1989663.5	39.292644			3
E 5.45	5.48	5.51	75937888	599.536679			4
+ 5.67	5.68	5.73	134742.1406	2.975986			5
5.67	5.70	5.73	11589821	255.978868			5
E 6.10	6.12	6.16	15087903	430.284651			6
Height Summation:			**162248006.000000**				
Amount Avg CF:			**424.138067**	Linear:			
Aroclor-1268					6	126.58	
+ 5.67	5.68	5.73	134742.1406	0.926686			1
5.67	5.70	5.73	11589821	79.708755			1
E 5.72	5.75	5.78	45771392	366.528813			2
5.87	5.90	5.93	693780.5625	8.325565			3
+ 5.94	5.95	6.00	1074425.75	48.61001			4
5.94	5.97	6.00	212729.75	9.624486			4
E 6.10	6.12	6.16	15087903	368.673777			5
6.30	6.33	6.36	3029770.75	10.610834			6
Height Summation:			**76385397.062500**				
Amount Avg CF:			**140.578705**	Linear:			

ASX67 0230

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706979** ACF DF5 TS-23 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 50 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20--17342A
Result file : 1p20188.0058.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20--17342B
Result file : 1p20188B.0058.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			84.4371	17.8808		** 163.19	4	40	
Aroclor-1221			84.4371	22.8477		** 159.31	3	40	
Aroclor-1232			84.4371	39.7351		** 138.12	4	40	
Aroclor-1242			84.4371	16.3907		** 166.02	4	40	
Aroclor-1248			84.4371	16.3907		2.74	4	40	
Aroclor-1254			84.4371	16.3907		34.11	4	40	
Aroclor-1260			84.4371	24.3377		3.22	4	40	
Aroclor-1262			84.4371	16.3907	E	20.49	4	40	
Aroclor-1268			84.4371	16.3907	E	7.49	4	40	
Total PCBs			84.4371	16.3907					

Units: ug/kg

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706979** ACF DF5 TS-23 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 50 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20--17342A
Result file : 1p20188.0058.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 107% (33-143) Conc.: 10.995933
%SSR(DCB) : 117% (24-164) Conc.: 11.617269

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	103.41	
3.27	3.30	3.33	4050.481445	1.434438			1
3.61	3.62	3.66	9586.044922	2.703439			2
3.83	3.86	3.89	3507.4104	0.852399			3
+ 3.89	3.91	3.95	1371.160034	0.367382			4
3.89	3.94	3.95	3697.371582	0.990656			4
3.96	3.99	4.02	22573.853516	9.991399			5
+ 3.96	4.02	4.02	7218.030762	3.194768			5
4.09	4.12	4.15	10900.955078	4.267471			6
Height Summation:			54316.116943				
Amount Avg CF:			3.3733	Linear:			
Aroclor-1221					3	152.93	
3.16	3.19	3.22	1189.598633	0.79766			1
3.22	3.24	3.28	28098.03125	22.017667			2
3.27	3.30	3.33	4050.481445	1.066512			3
Height Summation:			33338.111328				
Amount Avg CF:			7.960613	Linear:			
Aroclor-1232					6	117.98	
3.27	3.30	3.33	4050.481445	1.018285			1
3.61	3.62	3.67	9586.044922	4.921556			2
3.83	3.86	3.89	3507.4104	1.538452			3
+ 3.90	3.91	3.95	1371.160034	0.685382			4
3.90	3.94	3.95	3697.371582	1.848152			4
3.96	3.99	4.02	22573.853516	20.706179			5
+ 3.96	4.02	4.02	7218.030762	6.620838			5
4.10	4.12	4.16	10900.955078	8.274259			6
Height Summation:			54316.116943				
Amount Avg CF:			6.384481	Linear:			
Aroclor-1242					6	106.65	
3.27	3.30	3.33	4050.481445	1.716525			1
3.61	3.62	3.67	9586.044922	3.270712			2
3.83	3.86	3.89	3507.4104	1.011248			3
+ 3.90	3.91	3.96	1371.160034	0.456876			4
3.90	3.94	3.96	3697.371582	1.231978			4
3.97	3.99	4.03	22573.853516	12.613458			5
+ 3.97	4.02	4.03	7218.030762	4.033176			5
4.10	4.12	4.16	10900.955078	4.983725			6
Height Summation:			54316.116943				
Amount Avg CF:			4.137941	Linear:			
Aroclor-1248					6	119.81	
3.97	3.99	4.03	22573.853516	6.848002			1
+ 3.97	4.02	4.03	7218.030762	2.189661			1
4.10	4.12	4.16	10900.955078	2.873995			2
4.19	4.21	4.25	16506.359375	4.990419			3
4.38	4.38	4.44	320813.03125	111.106032			4
+ 4.38	4.43	4.44	52755.1875	18.270516			4
4.51	4.54	4.57	630992.9375	187.818095			5
4.78	4.81	4.84	747483	300.817969			6
Height Summation:			1749270.136719				
Amount Avg CF:			102.409085	Linear:			

Analysis Report (B)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20--17342B
Result file : 1p20188B.0058.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 103% (33-143) Conc.: 10.509703
%SSR(DCB) : 101% (24-164) Conc.: 9.988007

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					8	249.81	
+ 3.11	3.11	3.17	19883.841797	1.364512			1
3.11	3.15	3.17	3537308.75	242.744869			1
3.45	3.45	3.51	25404.386719	1.425986			2
+ 3.45	3.48	3.51	21413.4375	1.201968			2
3.45	3.49	3.51	29371.632813	1.648674			2
3.65	3.69	3.70	19789.248047	0.97853			3
3.72	3.76	3.78	38587.339844	1.845861			4
3.79	3.79	3.85	116369.26562	8.915279			5
+ 3.79	3.82	3.85	63207.890625	4.842481			5
3.79	3.84	3.85	81695.851563	6.25888			5
3.90	3.93	3.96	114894.6875	6.705197			6
Height Summation:			3963421.162111				
Amount Avg CF:			33.81541	Linear:			
Aroclor-1221					3	129.06	
2.99	3.02	3.05	129246.40625	16.092243			1
3.05	3.07	3.11	115046.78125	19.764301			2
+ 3.11	3.11	3.17	19883.841797	0.98382			3
3.11	3.15	3.17	3537308.75	175.020344			3
Height Summation:			3781601.937500				
Amount Avg CF:			70.292296	Linear:			
Aroclor-1232					8	204.50	
+ 3.11	3.11	3.17	19883.841797	0.988869			1
3.11	3.15	3.17	3537308.75	175.918504			1
3.45	3.45	3.51	25404.386719	2.690343			2
+ 3.45	3.48	3.51	21413.4375	2.267698			2
3.45	3.49	3.51	29371.632813	3.110477			2
3.65	3.69	3.71	19789.248047	1.882719			3
3.72	3.76	3.78	38587.339844	3.590366			4
3.79	3.79	3.85	116369.26562	18.59724			5
+ 3.79	3.82	3.85	63207.890625	10.101399			5
3.79	3.84	3.85	81695.851563	13.056002			5
3.90	3.93	3.96	114894.6875	14.482973			6
Height Summation:			3963421.162111				
Amount Avg CF:			29.166078	Linear:			
Aroclor-1242					8	248.93	
+ 3.11	3.11	3.17	19883.841797	1.64763			1
3.11	3.15	3.17	3537308.75	293.111251			1
3.45	3.45	3.51	25404.386719	1.786208			2
+ 3.45	3.48	3.51	21413.4375	1.5056			2
3.45	3.49	3.51	29371.632813	2.065149			2
3.65	3.69	3.71	19789.248047	1.25365			3
3.72	3.76	3.78	38587.339844	2.352665			4
3.79	3.79	3.85	116369.26562	10.91861			5
+ 3.79	3.82	3.85	63207.890625	5.930624			5
3.79	3.84	3.85	81695.851563	7.665299			5
3.90	3.93	3.96	114894.6875	8.500055			6
Height Summation:			3963421.162111				
Amount Avg CF:			40.956611	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706979** ACF DF5 TS-23 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 50 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20–17342A
Result file : 1p20188.0058.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	111.93	
4.51	4.54	4.58	630992.9375	102.293078			1
4.72	4.76	4.78	297832.625	74.896232			2
4.78	4.81	4.84	747483	98.606468			3
5.00	5.03	5.06	538177.375	89.728822			4
+ 5.00	5.06	5.06	5520.774414	0.920463			4
5.20	5.23	5.26	1907812.75	407.229818			5
5.32	5.35	5.38	4867872.5	805.637112			6
Height Summation:			**8990171.187500**				
Amount Avg CF:			**263.065255**	Linear:			
Aroclor-1260					6	14.66	
5.11	5.14	5.17	4257958	587.188656			1
5.20	5.23	5.26	1907812.75	554.575858			2
5.32	5.35	5.38	4867872.5	614.003613			3
5.38	5.41	5.44	2526220.25	573.19482			4
5.99	6.02	6.05	4545710	767.71549			5
6.42	6.45	6.48	2034404.375	752.620325			6
Height Summation:			**20139977.875000**				
Amount Avg CF:			**641.549794**	Linear:			
Aroclor-1262					6	26.00	
E 5.11	5.14	5.17	4257958	710.353626			1
5.38	5.41	5.44	2526220.25	323.728165			2
E 5.55	5.58	5.61	3098884.5	574.672717			3
E 5.79	5.81	5.85	8104487	551.432874			4
E 5.99	6.02	6.05	4545710	554.375029			5
E 6.43	6.45	6.49	2034404.375	411.193183			6
Height Summation:			**24567664.125000**				
Amount Avg CF:			**520.959266**	Linear:			
Aroclor-1268					6	89.35	
5.99	6.02	6.05	4545710	284.750172			1
6.05	6.07	6.11	1258992.75	91.480348			2
6.18	6.21	6.24	112115.28125	8.983001			3
+ 6.25	6.27	6.31	88531.804688	26.058203			4
6.25	6.29	6.31	794298.5625	233.791614			4
E 6.43	6.45	6.49	2034404.375	357.505758			5
6.63	6.65	6.69	492698.1875	13.772595			6
Height Summation:			**9238219.156250**				
Amount Avg CF:			**165.047248**	Linear:			

Analysis Report (B)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20–17342B
Result file : 1p20188B.0058.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	196.55	
3.76	3.79	3.82	116369.26562	6.765459			1
+ 3.76	3.82	3.82	63207.890625	3.674771			1
3.90	3.93	3.96	114894.6875	4.909125			2
4.00	4.03	4.06	102065.4375	6.678933			3
+ 4.14	4.15	4.20	45695.28125	1.40448			4
4.14	4.17	4.20	1945588.75	59.799195			4
4.14	4.20	4.20	141353.82812	4.344621			4
4.29	4.31	4.35	577496.8125	39.937058			5
+ 4.29	4.34	4.35	61686.417969	4.265953			5
+ 4.54	4.55	4.60	361399.53125	24.145825			6
E 4.54	4.58	4.60	6243713	417.154952			6
Height Summation:			**9241481.781250**				
Amount Avg CF:			**77.084192**	Linear:			
Aroclor-1254					7	136.59	
4.47	4.50	4.53	1211656.25	43.669062			1
+ 4.54	4.55	4.60	361399.53125	7.665299			2
4.54	4.58	4.60	6243713	132.429403			2
+ 4.71	4.71	4.77	391348.25	10.052344			3
4.71	4.74	4.77	2013814.875	51.72774			3
4.71	4.76	4.77	5177544.5	132.9927			3
4.78	4.81	4.84	34181812	1370.922784			4
4.95	4.98	5.01	2679949	107.484087			5
5.03	5.06	5.09	29655224	759.421518			6
Height Summation:			**81163713.625000**				
Amount Avg CF:			**371.235328**	Linear:			
Aroclor-1260					6	18.50	
4.78	4.81	4.84	34181812	587.693556			1
4.89	4.92	4.95	21285628	506.398911			2
5.03	5.06	5.09	29655224	673.245318			3
5.26	5.29	5.32	19413940	597.605894			4
+ 5.26	5.32	5.32	1989663.5	61.246436			4
5.45	5.48	5.51	75937888	812.740751			5
6.10	6.12	6.16	15087903	797.684823			6
Height Summation:			**195562395.000000**				
Amount Avg CF:			**662.561542**	Linear:			
Aroclor-1262					6	33.90	
E 4.89	4.92	4.95	21285628	583.117825			1
5.06	5.09	5.12	18932826	292.516389			2
E 5.26	5.29	5.32	19413940	383.39399			3
+ 5.26	5.32	5.32	1989663.5	39.292644			3
E 5.45	5.48	5.51	75937888	599.536679			4
+ 5.67	5.68	5.73	134742.14062	2.975986			5
5.67	5.70	5.73	11589821	255.978868			5
E 6.10	6.12	6.16	15087903	430.284651			6
Height Summation:			**162248006.000000**				
Amount Avg CF:			**424.138067**	Linear:			
Aroclor-1268					6	117.52	
+ 5.67	5.68	5.73	134742.14062	0.926686			1
5.67	5.70	5.73	11589821	79.708755			1
E 5.72	5.75	5.78	45771392	366.528813			2
5.87	5.90	5.93	693780.5625	8.325565			3
5.94	5.95	6.00	1074425.75	48.61001			4
+ 5.94	5.97	6.00	212729.75	9.624486			4
E 6.10	6.12	6.16	15087903	368.673777			5
6.30	6.33	6.36	3029770.75	10.610834			6
Height Summation:			**77247093.062500**				
Amount Avg CF:			**147.076292**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706979** ACF DF5 TS-23 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 50 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20--17342A
Result file : 1p20188.0058.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 06, 2012 18:10:28
Instrument : P 20--17342B
Result file : 1p20188B.0058.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			84.4371	17.8808		** 163.72	4	40	
Aroclor-1221			84.4371	22.8477		** 159.31	3	40	
Aroclor-1232			84.4371	39.7351		** 128.16	4	40	
Aroclor-1242			84.4371	16.3907		** 163.30	4	40	
Aroclor-1248			84.4371	16.3907		28.22	4	40	
Aroclor-1254			84.4371	16.3907		34.11	4	40	
Aroclor-1260			84.4371	24.3377		3.22	4	40	
Aroclor-1262			84.4371	16.3907	E	20.49	4	40	
Aroclor-1268			84.4371	16.3907	E	11.52	4	40	
Total PCBs			84.4371	16.3907					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706979ACF DF5 ACTS-23 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/6/2012 6:10:28 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0058.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.522		2602	1705
2.558		3389	4666
2.583		5746	11610
2.645		4062	2924
2.662		1932	994
2.73		288397	224354
2.751		142771	111752
2.802		2001	1753
2.816		3649	1954
2.868		3366	2843
2.907		122129	91654
2.954		3092	3424
2.994		2592	1467
3.011		1985	1210
3.036	TCX	1714855	1319218
3.06		7213	4670
3.124		5855	4818
3.149		28772	20783
3.191		1190	1530
3.24		28098	24275
3.295		4050	3705
3.363		656005	570956
3.439		9500	10190
3.465		1554	591
3.493		2596	1147
3.518		5504	4354
3.553		1343	699
3.588		4279	3499
3.617		9586	14506
3.68		1679	2783
3.693		4422	2232
3.74		2805	3486
3.793		12634	9408
3.831		22079	25431
3.863		3507	3041
3.906		1371	779
3.935		3697	5637
3.992		22574	19077
4.02		7218	4875
4.041		23410	19916
4.122		10901	12596
4.162		13865	22500
4.214		16506	17356
4.257		4939	3444
4.29		8517	10458
4.382		320813	341029
4.428		52755	42734
4.457		3381	1273
4.498		119389	118988
4.543		630993	692249
4.579		106196	94101
4.621		14994	14370
4.645		10278	9433
4.688		74657	71803

RT A	Compound A	Height A	Area A
4.758		297833	536462
4.806		747483	786550
4.854		945436	1234576
4.893		193393	151980
4.933		2305316	2609328
4.984		36890	36897
5.027		538177	673362
5.059		5521	2804
5.086		702500	777379
5.138		4257958	5651970
5.189		544973	532685
5.231		1907813	2351355
5.274		9511	3946
5.311		360933	435541
5.347		4867873	6097944
5.412		2526220	2766445
5.456		1661606	1902547
5.576		3098885	4729457
5.634		1477431	1564645
5.674		793275	837477
5.715		144315	152792
5.758		1142084	1234344
5.814		8104487	10355630
5.906		44288	86029
5.976		29654	51145
6.021		4545710	5172692
6.066		1258993	2560388
6.21		112115	173475
6.27		88532	82174
6.295		794299	853667
6.351		5191	6069
6.452		2034404	2530499
6.497		126830	141445
6.557		2818	5735
6.653		492698	607462
6.689		5228	4363
6.802	DCB	1010816	1351071
6.878		18063	17805
6.916		2117	948
6.976		17541	31919
7.088		5089	5865
7.164		5538	10914
7.221		2703	3021
7.342		1453	407
7.359		3756	5684
7.507		65217	241706
7.688		1758	1852
7.732		1347	605
7.783		922	386
7.876		1389	833
7.908		1263	466
8.019		3310	6845
8.087		5667	9745
8.215		1413	1859
8.253		1252	673
8.288		1514	2017
8.356		24720	50805
8.425		1622	1112
8.592		1603	2018
8.64		2138	3615

LANCASTER LABORATORIES

Sample Number: 6706979ACF DF5 ACTS-23 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/6/2012 6:10:28 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0058.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.524		967780	1028732
2.583		870155	742516
2.66		21777	19976
2.686		22532	22272
2.715		398730	300848
2.784		31661	46683
2.814		16659	9483
2.845	TCX	9493583	6718842
2.889		10765	3757
2.913		39963	29698
2.952		8032	1680
2.971		66970	82353
3.017		129246	81212
3.051		30518	21861
3.072		115047	78408
3.114		19884	27955
3.152		3537309	2714300
3.193		20401	13210
3.274		21517	15324
3.303		8360	11537
3.324		15563	10643
3.369		43253	78208
3.442		6146	4520
3.454		25404	16392
3.48		21413	16191
3.493		29372	40074
3.529		26550	19173
3.546		18709	11304
3.566		55446	43313
3.587		33155	13177
3.63		10968	5907
3.64		21109	10350
3.69		19789	31076
3.755		38587	41691
3.789		116369	80742
3.817		63208	44028
3.836		81696	50320
3.876		12062	12315
3.889		18736	9427
3.927		114895	90833
3.961		23713	44243
3.99		57810	66843
4.027		102065	146054
4.072		120599	159154
4.116		17525	11872
4.149		45695	35300
4.171		1945589	1590100
4.198		141354	90135
4.221		40994	21962
4.239		628523	479523
4.278		3915379	3465039
4.313		577497	464462
4.336		61686	30725
4.355		76665	111682

ASX67 9257

RT B	Compound B	Height B	Area B
4.405		123281	124606
4.438		307511	241887
4.456		88769	56068
4.499		1211656	1152381
4.548		361400	256052
4.577		6243713	7482395
4.607		2342394	2575779
4.663		15128290	14853310
4.709		391348	401893
4.737		2013815	1560033
4.762		5177545	4417390
4.808		34181810	32679160
4.921		21285630	21820680
4.979		2679949	2860129
5.018		7113786	6952268
5.058		29655220	29045370
5.091		18932830	16204300
5.132		12609080	12378580
5.204		98312	142280
5.237		3924315	5244119
5.29		19413940	18595100
5.317		1989664	1412878
5.365		11585480	12293700
5.401		4994043	4217687
5.427		3759876	3332151
5.483		75937890	76855030
5.524		1057682	861482
5.561		1659526	1560529
5.676		134742	114878
5.699		11589820	11332820
5.746		45771390	53149340
5.902		693781	743893
5.945		1074426	957763
5.971		212730	161529
6.022		6091777	6592273
6.124		15087900	14940550
6.157		442411	355343
6.328		3029771	3373709
6.49	DCB	6313981	7206448
6.678		99801	106827
6.715		123538	139621
6.87		8093	5219
6.905		64704	95781
6.984		23157	20460
7.043		11313	12721
7.146		35998	51171
7.264		3191	4696
7.333		8565	22810
7.413		9401	9795
7.508		21692	31093
7.77		9244	17681
7.939		19154	59909
7.996		4894	2376
8.217		124698	235520
8.538		5349	6606
8.586		4951	3385

ASX67 023B

6706979ACF DF5 ACTS-23 T 121840016A 10736 SW-846 8082

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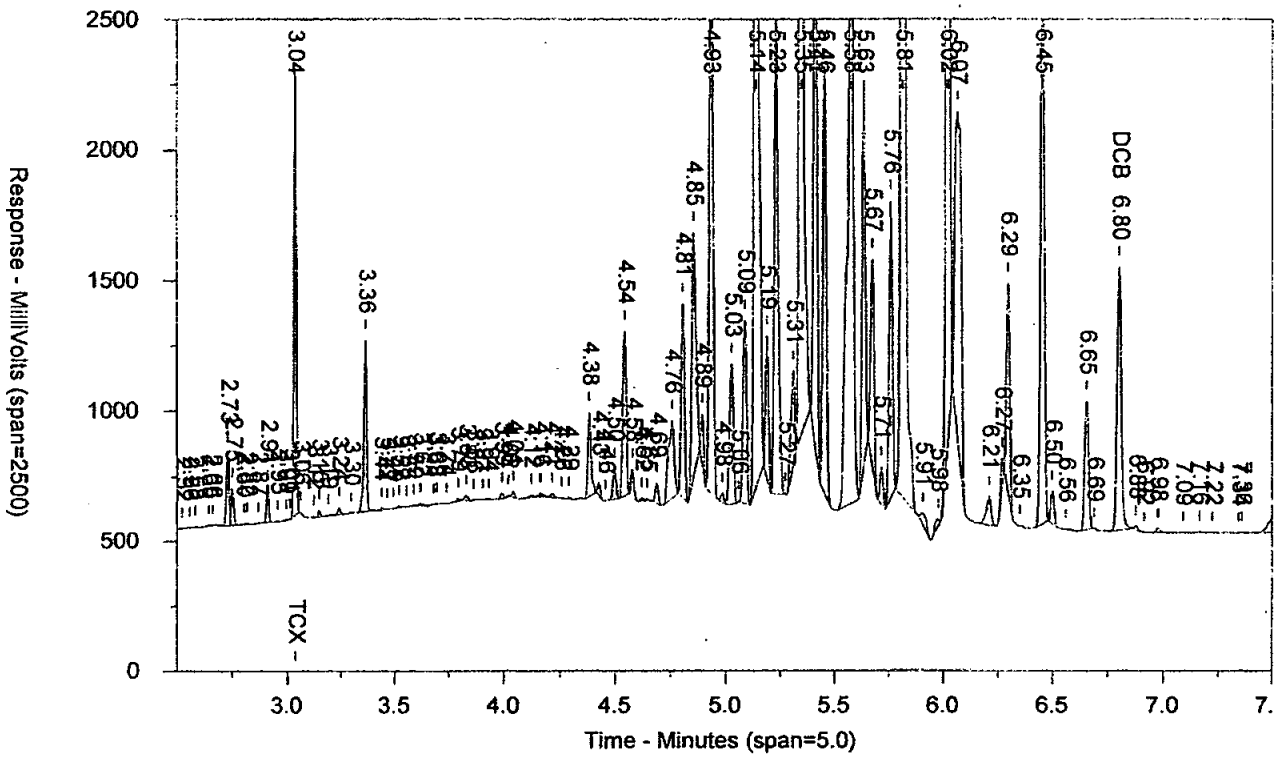

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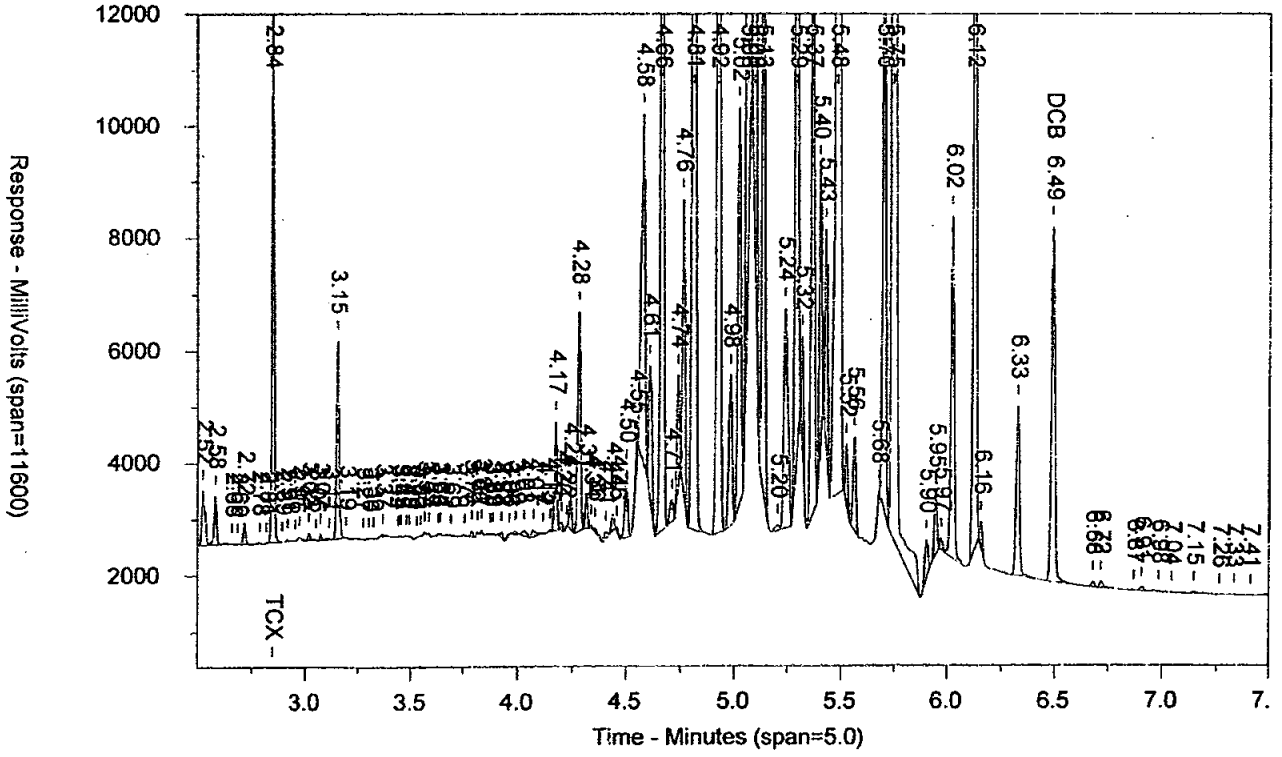

ASX67 8239

LANCASTER LABORATORIES

Sample Number: 6706979ACF DF5 ACTS-23 T 121840016A 10736 Sample Weight: 38.7-846 8082
Injected On: 7/6/2012 6:10:28 PM Dilution Factor: 50
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.036	1714855	10.996	TCX	2.845	9493583	10.51	TCX
6.802	1010816	11.617	DCB	6.49	6313981	9.988	DCB

Files:
Area File: 1p20188.0058.RAW
Area File: 1p20188B.0058.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 6:19:10 PM
File Reported On: 7/8/2012 at 3:41:07 PM

6706979ACF DF5 ACTS-23 T 121840016A 10736 **SW-846 8082**

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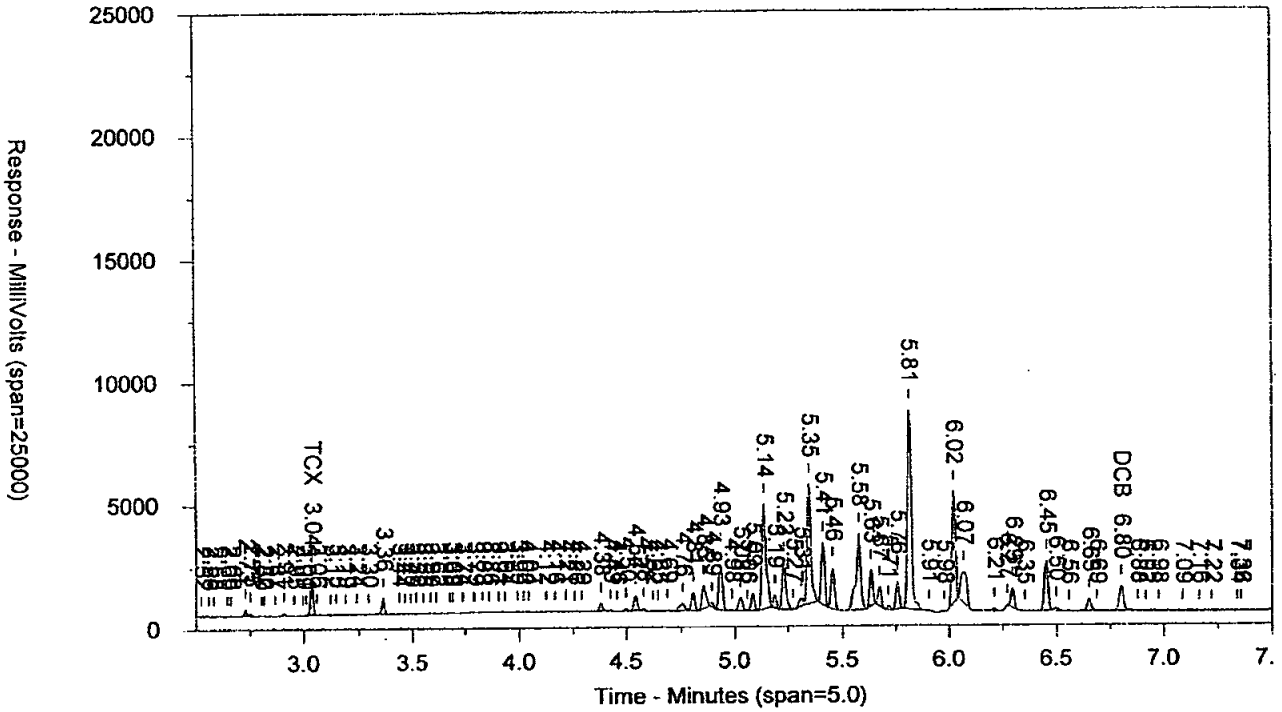

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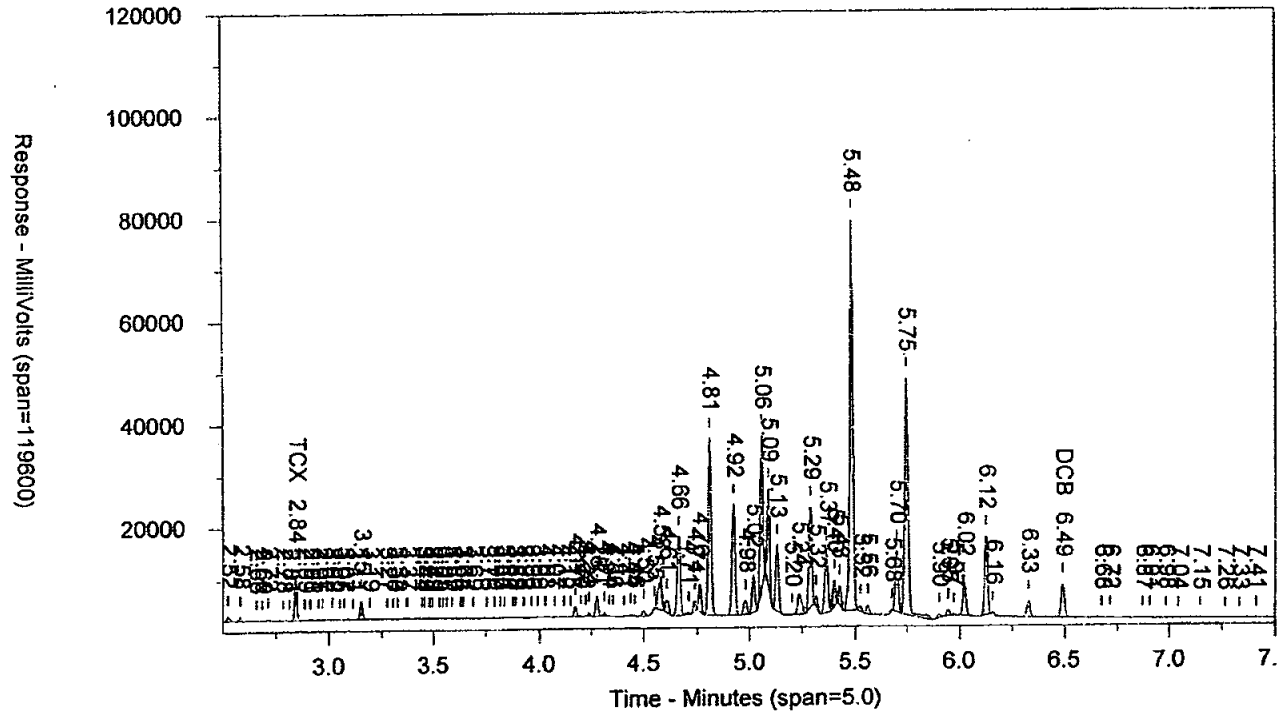

ASX67 9241

Data Summary

Sample Name: 6706980 ACF DF50 TS-24 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 500 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 10, 2012 22:13:54
Instrument	17342A
Result file	5P20188.0024.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 75% (33 - 143) Conc: 7.678397
%SSR(DCB) 89% (24 - 164) Conc: 8.851293

Analysis Report (B)

Injected on	Jul 10, 2012 22:13:54
Instrument	17342B
Result file	5P20188B.0024.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 66% (33 - 143) Conc: 6.690257
%SSR(DCB) 73% (24 - 164) Conc: 7.221866

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	120144	7.678397
Decachlorobiphenyl	6.78	6.80	6.82	77270	8.851293

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	606343	6.690257
Decachlorobiphenyl	6.47	6.49	6.51	458046	7.221866

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	7.678397				13.75	
☑ Decachlorobiphenyl	A	8.851293				20.28	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.13**	
5.11	5.14	5.17	1146300.5	1575.575099			1
5.20	5.23	5.26	427958.25	1239.912273			2
5.32	5.35	5.38	1234186.5	1551.589626			3
5.38	5.41	5.44	863553.375	1952.920543			4
5.99	6.02	6.05	1051086.875	1769.300229			5
6.42	6.45	6.48	486942.40625	1795.480126			6

Height summation: **5210027.90625**
Concentration CF: **1647.462983** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**7.46**	
4.78	4.81	4.84	7766116	1330.83454			1
4.89	4.92	4.95	5347235.5	1267.943641			2
5.03	5.06	5.09	6346849.5	1436.133049			3
5.26	5.29	5.32	5003063	1534.975698			4
5.45	5.48	5.51	13869093	1479.469189			5
6.10	6.13	6.16	2873892.25	1514.388386			6

Height summation: **41206249.25**
Concentration CF: **1427.290751** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑ Aroclor-1016			<841.5842	<178.2178			4	40	
☑ Aroclor-1221			<841.5842	<227.7228			3	40	
☑ Aroclor-1232			<841.5842	<396.0396			4	40	
☑ Aroclor-1242			<841.5842	<163.3663			4	40	
☑ Aroclor-1248			<841.5842	<163.3663			4	40	
☑ Aroclor-1254			<841.5842	<163.3663			4	40	
☑ Aroclor-1260	A	1647.462983	841.5842	242.5743		14.32	4	40	
☐ Aroclor-1262			<841.5842	<163.3663			4	40	
☐ Aroclor-1268			<841.5842	<163.3663			4	40	
☐ Total PCBs	A	1647.462983	841.5842	163.3663		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders Chemist Verified by:

Date: JUL 11 2012 Date:

7/11/2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706980** ACF DF50 TS-24 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 500 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 22:13:54
Instrument : P 20–17342A
Result file : 5p20188.0024.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 75% (33-143) Conc.: 7.678397
%SSR(DCB) : 89% (24-164) Conc.: 8.851293

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	59.69	
3.27	3.30	3.33	5089.604492	17.964845			1
3.61	3.63	3.66	6795.244141	19.100575			2
3.83	3.83	3.89	17690.353516	42.850647			3
+ 3.83	3.87	3.89	8165.350586	19.778607			3
3.96	3.96	4.02	3679.834473	16.233539			5
4.09	4.13	4.15	2499.80957	9.753878			6
Height Summation:			**35754.846192**				
Amount Avg CF:			**21.180697**	Linear:			
Aroclor-1221					3	10.35	
3.16	3.20	3.22	1824.232056	12.19163			1
3.22	3.23	3.28	1917.576172	14.976571			2
3.27	3.30	3.33	5089.604492	13.356957			3
Height Summation:			**8831.412720**				
Amount Avg CF:			**13.508386**	Linear:			
Aroclor-1232					5	38.99	
3.27	3.30	3.33	5089.604492	12.752964			1
3.61	3.63	3.67	6795.244141	34.772216			2
3.83	3.87	3.89	8165.350586	35.69739			3
3.96	3.96	4.02	3679.834473	33.642394			5
4.10	4.13	4.16	2499.80957	18.91193			6
Height Summation:			**26229.843262**				
Amount Avg CF:			**27.155379**	Linear:			
Aroclor-1242					5	35.64	
3.27	3.30	3.33	5089.604492	21.497696			1
3.61	3.63	3.67	6795.244141	23.108528			2
3.83	3.87	3.89	8165.350586	23.464446			3
3.97	4.02	4.03	1921.070923	10.698828			5
4.10	4.13	4.16	2499.80957	11.390973			6
Height Summation:			**24471.079712**				
Amount Avg CF:			**18.032094**	Linear:			
Aroclor-1248					6	111.42	
3.96	3.96	4.02	3679.834473	11.385181			1
4.09	4.13	4.15	2499.80957	6.708794			2
4.19	4.22	4.25	18930.896484	56.989522			3
4.37	4.38	4.43	198189.3125	681.835465			4
+ 4.37	4.43	4.43	52531.566406	180.725613			4
4.51	4.54	4.57	133146.45312	395.880821			5
4.78	4.81	4.84	214108.65625	884.565868			6
Height Summation:			**570554.962402**				
Amount Avg CF:			**339.560942**	Linear:			
Aroclor-1254					6	104.36	
4.51	4.54	4.58	133146.45312	215.13729			1
4.72	4.76	4.78	188248.89062	471.828821			2
4.78	4.81	4.84	214108.65625	281.51572			3
5.00	5.03	5.06	114536.34375	190.333042			4
5.20	5.23	5.26	427958.25	910.478238			5
5.32	5.35	5.38	1234186.5	2035.848255			6
Height Summation:			**2312185.093750**				
Amount Avg CF:			**684.190228**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 22:13:54
Instrument : P 20–17342B
Result file : 5p20188B.0024.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 66% (33-143) Conc.: 6.690257
%SSR(DCB) : 73% (24-164) Conc.: 7.221866

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	122.63	
3.11	3.15	3.17	191993.01562	131.318787			1
+ 3.11	3.16	3.17	186695.82812	127.695633			1
3.45	3.48	3.51	11309.631836	6.327315			2
+ 3.65	3.66	3.70	19492.6875	9.606847			3
3.65	3.69	3.70	44531.9375	21.947282			3
+ 3.72	3.74	3.78	16530.544922	7.881441			4
3.72	3.76	3.78	30170.580078	14.384743			4
3.79	3.82	3.85	45334.394531	34.616951			5
+ 3.79	3.83	3.85	25965.564453	19.82708			5
Height Summation:			**323339.559570**				
Amount Avg CF:			**41.719016**	Linear:			
Aroclor-1221					3	93.80	
2.99	3.03	3.05	12366.086914	15.345984			1
+ 2.99	3.04	3.05	11028.200195	13.685702			1
3.05	3.10	3.11	15761.816406	26.988429			2
3.11	3.15	3.17	191993.01562	94.681545			3
+ 3.11	3.16	3.17	186695.82812	92.069232			3
Height Summation:			**220120.918945**				
Amount Avg CF:			**45.671986**	Linear:			
Aroclor-1232					5	111.98	
3.11	3.15	3.17	191993.01562	95.167427			1
+ 3.11	3.16	3.17	186695.82812	92.541708			1
3.45	3.48	3.51	11309.631836	11.937454			2
+ 3.65	3.66	3.71	19492.6875	18.483846			3
3.65	3.69	3.71	44531.9375	42.227192			3
+ 3.72	3.74	3.78	16530.544922	15.330113			4
3.72	3.76	3.78	30170.580078	27.979623			4
3.79	3.82	3.85	45334.394531	242.764166			5
+ 3.79	3.83	3.85	25965.564453	139.044729			5
Height Summation:			**323339.559570**				
Amount Avg CF:			**84.015172**	Linear:			
Aroclor-1242					5	103.23	
3.11	3.15	3.17	191993.01562	158.565716			1
+ 3.11	3.16	3.17	186695.82812	154.190806			1
3.45	3.48	3.51	11309.631836	7.925673			2
+ 3.65	3.66	3.71	19492.6875	12.307873			3
3.65	3.69	3.71	44531.9375	28.1179			3
+ 3.72	3.74	3.78	16530.544922	10.045391			4
3.72	3.76	3.78	30170.580078	18.334257			4
3.79	3.82	3.85	45334.394531	149.080883			5
+ 3.79	3.83	3.85	25965.564453	85.387029			5
Height Summation:			**323339.559570**				
Amount Avg CF:			**72.404886**	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706980** ACF DF50 TS-24 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 500 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 22:13:54
Instrument : P 20--17342A
Result file : 5p20188.0024.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	15.13	
5.11	5.14	5.17	1146300.5	1575.575099			1
5.20	5.23	5.26	427958.25	1239.912273			2
5.32	5.35	5.38	1234186.5	1551.589626			3
5.38	5.41	5.44	863553.375	1952.920543			4
5.99	6.02	6.05	1051086.875	1769.300229			5
6.42	6.45	6.48	486942.40625	1795.480126			6
Height Summation:			5210027.906250				
Amount Avg CF:			1647.462983	Linear:			
Aroclor-1262					6	24.33	
5.11	5.14	5.17	1146300.5	1906.057742			1
5.38	5.41	5.44	863553.375	1102.967719			2
5.55	5.58	5.61	833697.375	1540.947939			3
5.79	5.82	5.85	1994214.625	1352.394398			4
5.99	6.02	6.05	1051086.875	1277.629381			5
6.43	6.45	6.49	486942.40625	980.958343			6
Height Summation:			6375795.156250				
Amount Avg CF:			1360.159254	Linear:			
Aroclor-1268					6	88.40	
5.99	6.02	6.05	1051086.875	656.243818			1
6.05	6.07	6.11	335958.03125	243.306634			2
6.18	6.21	6.24	19470.654297	15.548967			3
+ 6.25	6.27	6.31	17946.839844	52.649892			4
6.25	6.30	6.31	210602.20312	617.834856			4
6.43	6.45	6.49	486942.40625	852.87955			5
6.63	6.66	6.69	90935.234375	25.335609			6
Height Summation:			2194995.404297				
Amount Avg CF:			401.858239	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 22:13:54
Instrument : P 20--17342B
Result file : 5p20188B.0024.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	117.34	
3.79	3.82	3.85	45334.394531	27.097641			1
+ 3.79	3.83	3.85	25965.564453	15.520347			1
4.14	4.17	4.20	1005776.4375	291.174905			3
4.47	4.50	4.53	178164.5625	160.782166			4
+ 4.54	4.55	4.60	385766.46875	244.633869			5
4.54	4.58	4.60	2541296.5	1611.56359			5
4.71	4.71	4.77	247179.125	179.424656			6
+ 4.71	4.74	4.77	112001.47656	81.300662			6
4.71	4.76	4.77	2366822	1718.050519			6
Height Summation:			6384573.019531				
Amount Avg CF:			664.682246	Linear:			
Aroclor-1254					7	123.05	
4.47	4.50	4.53	178164.5625	64.000019			1
+ 4.54	4.55	4.60	385766.46875	81.551191			2
4.54	4.58	4.60	2541296.5	537.231132			2
4.71	4.71	4.77	247179.125	63.281985			3
+ 4.71	4.74	4.77	112001.47656	28.674249			3
4.71	4.76	4.77	2366822	605.945973			3
4.78	4.81	4.84	7766116	3104.460434			4
4.95	4.98	5.01	756083.0625	302.239691			5
5.03	5.06	5.09	6346849.5	1619.959785			6
Height Summation:			20202510.750000				
Amount Avg CF:			899.588431	Linear:			
Aroclor-1260					6	7.46	
4.78	4.81	4.84	7766116	1330.83454			1
4.89	4.92	4.95	5347235.5	1267.943641			2
5.03	5.06	5.09	6346849.5	1436.133049			3
5.26	5.29	5.32	5003063	1534.975698			4
+ 5.26	5.32	5.32	437086.53125	134.10129			4
5.45	5.48	5.51	13869093	1479.469189			5
6.10	6.13	6.16	2873892.25	1514.388386			6
Height Summation:			41206249.250000				
Amount Avg CF:			1427.290751	Linear:			
Aroclor-1262					6	29.96	
4.89	4.92	4.95	5347235.5	1460.035798			1
5.06	5.09	5.12	5817129	895.793275			2
5.26	5.29	5.32	5003063	984.763475			3
+ 5.26	5.32	5.32	437086.53125	86.032667			3
5.45	5.48	5.51	13869093	1091.364059			4
+ 5.67	5.67	5.73	62846.808594	13.834866			5
5.67	5.70	5.73	2696860.5	593.676983			5
6.10	6.13	6.16	2873892.25	816.886644			6
Height Summation:			35607273.250000				
Amount Avg CF:			973.753372	Linear:			
Aroclor-1268					6	114.06	
+ 5.67	5.67	5.73	62846.808594	4.308012			1
5.67	5.70	5.73	2696860.5	184.863904			1
5.72	5.75	5.78	8647995	690.229907			2
5.87	5.90	5.93	224931.35937	26.903325			3
5.94	5.94	6.00	185607.5	83.696861			4
+ 5.94	5.97	6.00	51018.773438	23.006135			4
6.10	6.13	6.16	2873892.25	699.919655			5
6.30	6.33	6.36	525993.875	18.360511			6
Height Summation:			15155280.484375				
Amount Avg CF:			283.995694	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706980** ACF DF50 TS-24 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 500 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 22:13:54
Instrument : P 20--17342A
Result file : 5p20188.0024.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 10, 2012 22:13:54
Instrument : P 20--17342B
Result file : 5p20188B.0024.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			841.5842	178.2178		** 65.30	4	40	
Aroclor-1221			841.5842	227.7228		** 108.70	3	40	
Aroclor-1232			841.5842	396.0396		** 102.29	4	40	
Aroclor-1242			841.5842	163.3663		** 120.24	4	40	
Aroclor-1248			841.5842	163.3663		** 64.75	4	40	
Aroclor-1254			841.5842	163.3663		27.20	4	40	
Aroclor-1260			841.5842	242.5743		14.32	4	40	
Aroclor-1262			841.5842	163.3663		33.11	4	40	
Aroclor-1268			841.5842	163.3663		34.37	4	40	
Total PCBs			841.5842	163.3663					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706980ACF DF50 ADTS-24 T 121840016A 10736 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 10:13:53 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0024.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.521		1467	698
2.549		2454	2645
2.587		2987	3351
2.612		1461	679
2.648		3088	1912
2.698		1703	905
2.732		13613	12745
2.752		7082	4728
2.771		2787	1717
2.819		5303	7525
2.863		2711	2305
2.911		10159	8733
2.969		1671	2387
3.002		3595	4002
3.038	TCX	120144	87743
3.062		13666	11933
3.128		3497	2958
3.156		2660	2558
3.205		1824	1522
3.231		1918	705
3.297		5090	9037
3.35		56825	35719
3.365		65451	37160
3.482		1627	1687
3.503		2586	1944
3.523		5733	5679
3.57		1450	1016
3.596		1544	1127
3.627		6795	8610
3.667		2209	1565
3.699		2599	1989
3.734		3571	4153
3.77		2406	1381
3.797		7409	7735
3.833		17690	16451
3.871		8165	9209
3.965		3680	10473
4.024		1921	3188
4.04		13941	21029
4.127		2500	1836
4.168		1836	1283
4.185		1715	1150
4.219		18931	18465
4.263		11057	9978
4.29		8120	8834
4.344		7235	7239
4.385		198189	194630
4.431		52532	46903
4.468		2863	4042
4.501		75042	70134
4.543		133147	161585
4.58		50932	53217
4.625		23324	20775
4.645		4590	4872

ASX67 0246

RT A	Compound A	Height A	Area A
4.691		22799	21540
4.761		188249	233732
4.807		214109	236561
4.857		457351	617084
4.895		53098	34704
4.936		931745	1016448
4.969		7184	9625
5.028		114536	141485
5.061		2850	1190
5.088		323748	362084
5.141		1146301	1601936
5.192		230163	236142
5.234		427958	570862
5.277		4030	1761
5.313		106973	144544
5.35		1234187	1527528
5.414		863553	964337
5.457		506962	571406
5.579		833697	1316567
5.637		441315	490552
5.677		211732	222623
5.719		40802	43402
5.761		241368	261097
5.818		1994215	2523114
5.908		24058	58301
5.977		38456	57093
6.024		1051087	1224594
6.073		335958	645802
6.213		19471	29174
6.274		17947	14242
6.298		210602	208298
6.396		1513	755
6.455		486942	571718
6.5		28483	30866
6.656		90935	107016
6.692		10359	10391
6.804	DCB	77270	124138
6.913		2072	1450
6.977		19289	31199
7.09		19875	31691
7.169		2491	3026
7.273		3455	5535
7.35		1182	457
7.622		1395	594
7.744		1726	1270
7.885		1578	707
8		1414	639
8.013		1499	959
8.089		2809	3564
8.147		1090	774
8.225		1529	1024
8.277		1763	1128
8.313		1033	358
8.434		1198	1444
8.455		2141	2886
8.643		1395	1429

ASX67 0247

LANCASTER LABORATORIES

Sample Number: 6706980ACF DF50 ADTS-24 T 121840016A 10736 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 10:13:53 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0024.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.532		41982	63461
2.582		44542	52593
2.616		32969	96488
2.685		24577	26955
2.712		38351	65000
2.783		7360	3475
2.814		23103	17516
2.844	TCX	606343	451632
2.897		8140	13965
2.908		11913	19031
2.947		12029	6656
2.971		73968	80140
3.028		12366	3501
3.04		11028	2964
3.052		13849	20500
3.102		15762	14439
3.152		191993	109223
3.162		186696	88188
3.228		33112	85642
3.299		10218	19919
3.309		11342	10907
3.35		9128	3864
3.372		22934	29813
3.437		31425	54134
3.476		11310	13381
3.522		26173	13700
3.563		53900	69981
3.586		40279	22080
3.611		14402	9447
3.641		13117	11806
3.656		19493	13118
3.691		44532	35045
3.743		16531	13428
3.763		30171	46414
3.816		45334	62767
3.834		25966	16857
3.872		20191	30340
3.986		167154	452716
4.025		113977	161219
4.073		90968	129188
4.116		24400	20396
4.137		11601	6282
4.17		1005776	877900
4.221		128005	81501
4.237		286776	194374
4.277		853716	757129
4.311		325022	255099
4.355		246767	468375
4.406		104065	95475
4.437		23656	16267
4.455		229052	169089
4.499		178165	243849
4.547		385767	261469
4.576		2541297	2623426

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RT B	Compound B	Height B	Area B
4.603		837103	833433
4.661		5478945	5590381
4.71		247179	273201
4.735		112002	60486
4.761		2366822	2234148
4.806		7766116	7870964
4.865		60277	122735
4.921		5347236	5720032
4.979		756083	760064
5.017		2296861	2239249
5.056		6346850	6380289
5.09		5817129	5177443
5.131		3306619	3235389
5.182		26792	27470
5.237		1042528	1287396
5.289		5003063	4879885
5.316		437087	281808
5.363		3271968	3458487
5.4		1177092	997275
5.426		939552	790612
5.482		13869090	14261550
5.523		181479	131086
5.56		421473	410765
5.675		62847	62063
5.698		2696861	2643878
5.745		8647995	9810722
5.903		224931	345612
5.944		185608	186306
5.969		51019	39115
6.022		1274190	1300186
6.127		2873892	3063277
6.158		105804	74717
6.327		525994	553762
6.49	DCB	458046	505022
6.676		15295	12071
6.716		75250	84068
6.903		64407	78649
6.955		84600	118774
7.142		19703	30927
7.507		11178	12208
7.767		5590	5968
7.8		3757	3127
7.852		9933	17591
7.928		6452	9287
8.002		4019	6554
8.158		5305	6122
8.215		9862	13538
8.338		7921	12292
8.427		7112	13788

6706980ACF DF50 ADTS-24 T 121840016A 10736 SW-846 8082

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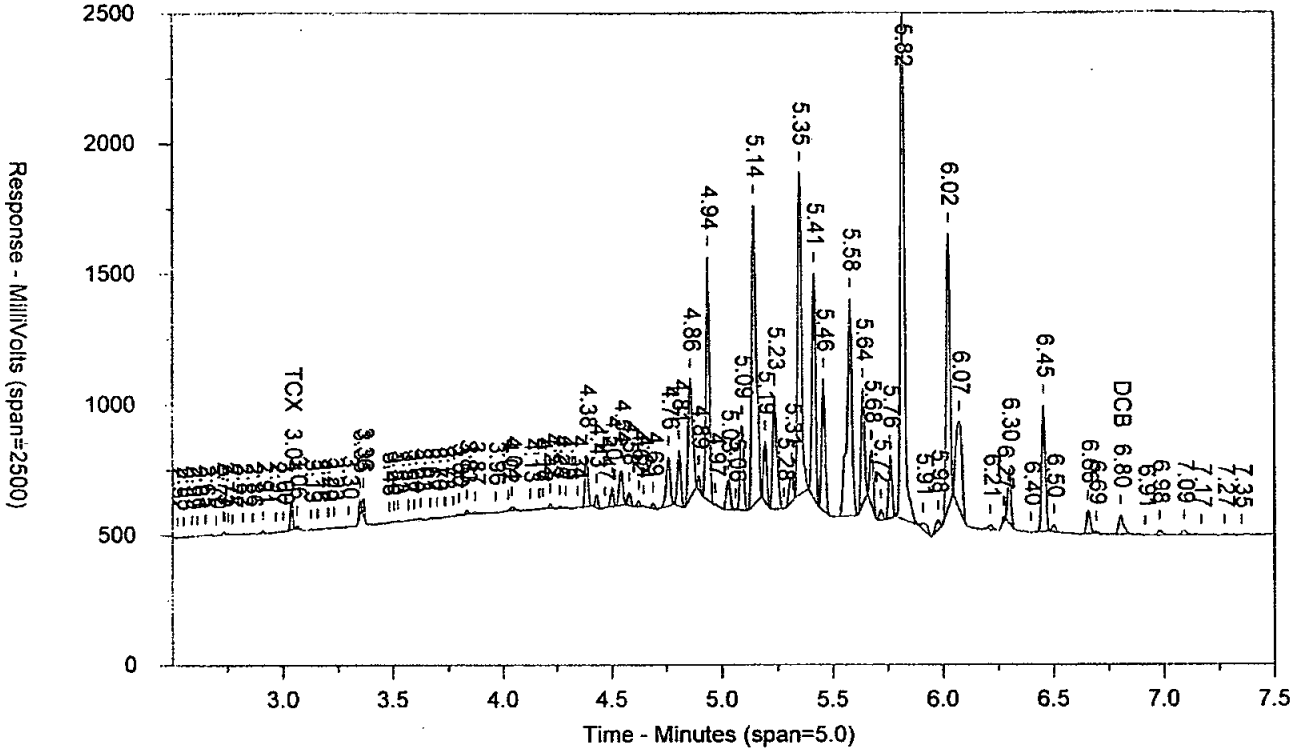

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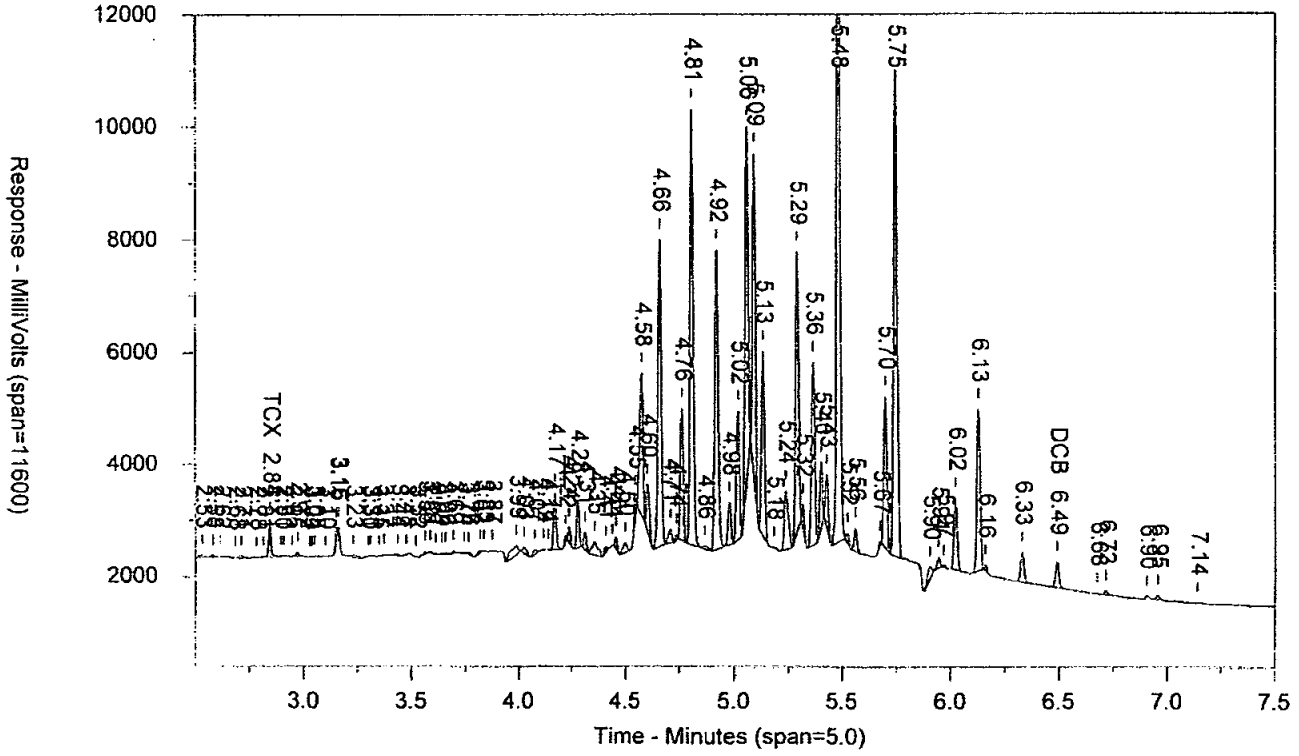


ASX67 0258

LANCASTER LABORATORIES

Sample Number: 6706980ACF DF50 ADTS-24 T 121840016A 10736 Sample Weight: 3SW846 8082
Injected On: 7/10/2012 10:13:53 PM Dilution Factor: 500
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

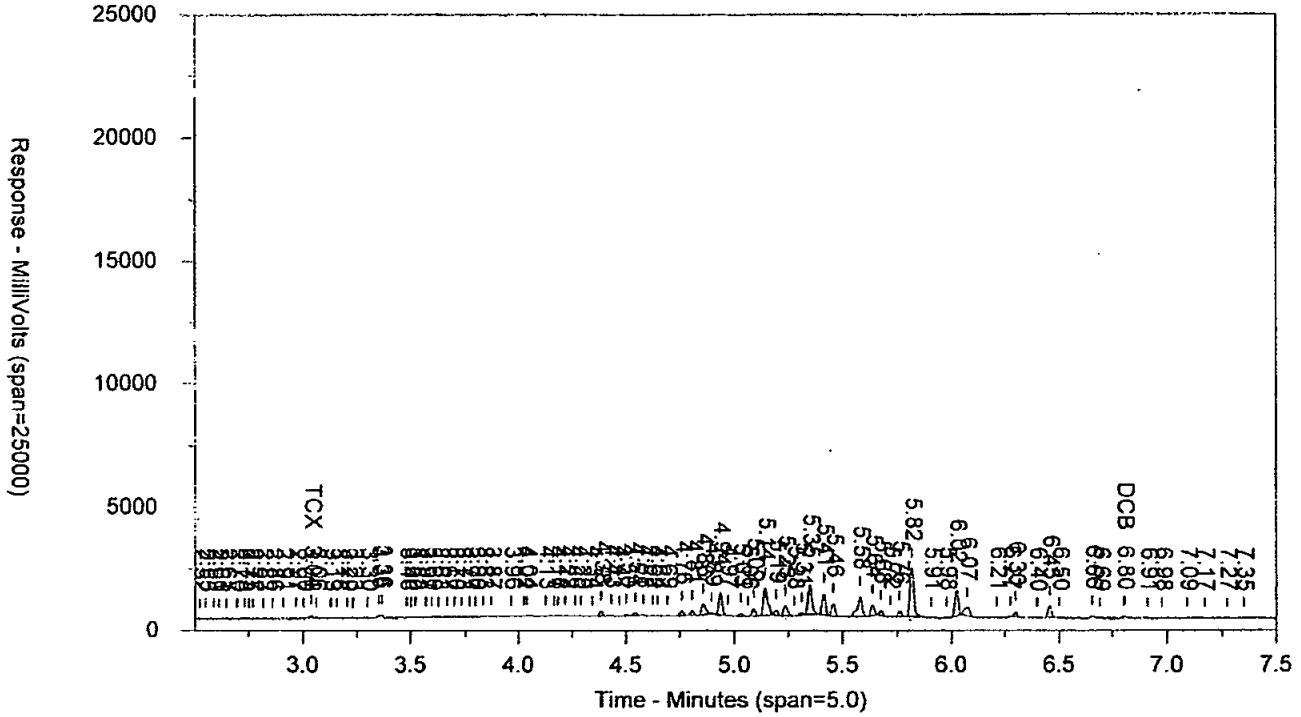
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	120144	7.678	TCX	2.844	606343	6.69	TCX
6.804	77270	8.851	DCB	6.49	458046	7.222	DCB

Files:
Area File: 5p20188.0024.RAW
Area File: 5p20188B.0024.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 10:22:35 PM
File Reported On: 7/10/2012 at 10:22:42 PM

ASX67 8251

6706980ACF DF50 ADTS-24 T 121840016A 10736 SW-846 8082

\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\5p20188.0024.RAW



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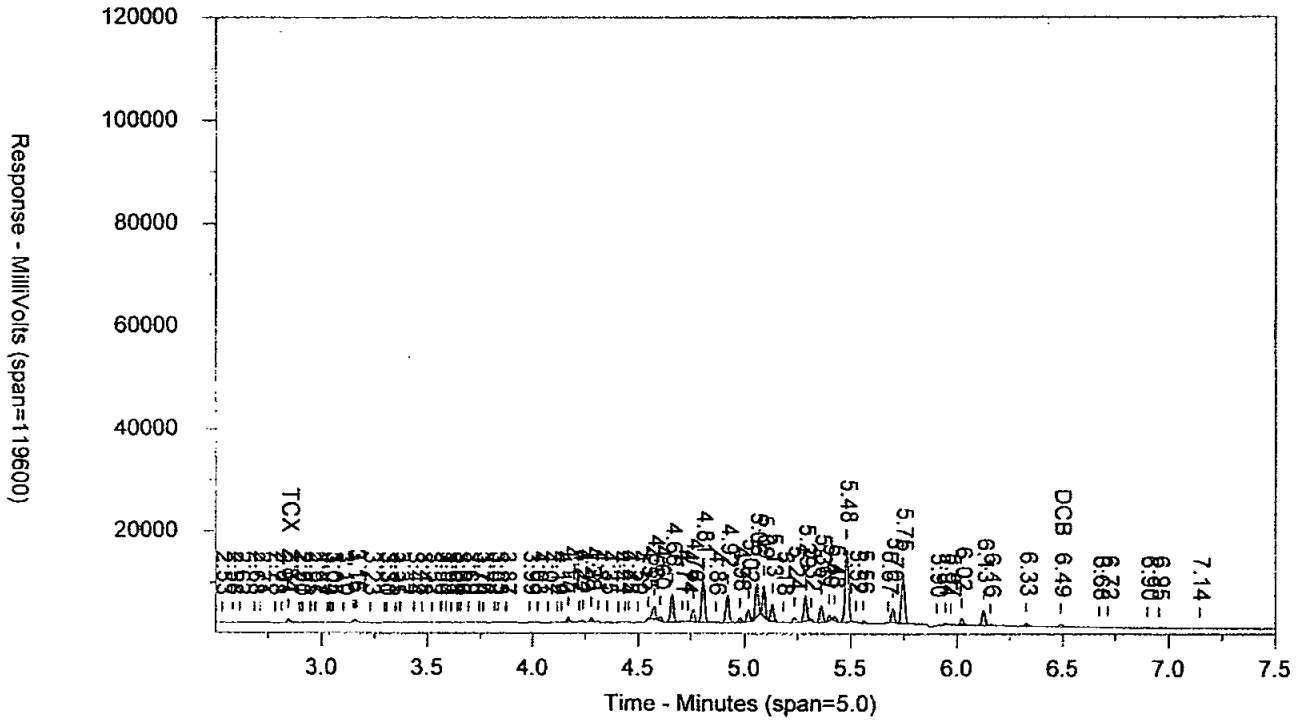

ASX67 0252

Data Summary

Sample Name: 6706981 ACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on Jul 10, 2012 20:42:26
Instrument 17342A
Result file 5P20188.0016.RAW
Calibration file 2P20188
Method file PESTDI20

%SSR(TCX) 89% (33 - 143) Conc: 9.136612
%SSR(DCB) 121% (24 - 164) Conc: 12.105995

Analysis Report (B)

Injected on Jul 10, 2012 20:42:26
Instrument 17342B
Result file 5P20188B.0016.RAW
Calibration file 2P20188B
Method file PESTDI20B

%SSR(TCX) 55% (33 - 143) Conc: 5.657706
%SSR(DCB) 83% (24 - 164) Conc: 8.253009

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	710084	9.136612	Tetrachloro-m-xylene	2.82	2.84	2.86	2546887	5.657706
Decachlorobiphenyl	6.78	6.80	6.82	524926	12.105995	Decachlorobiphenyl	6.47	6.49	6.51	2599958	8.253009

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	9.136612				47.03	
☑	Decachlorobiphenyl	A	12.105995				37.85	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.48**	
5.11	5.14	5.17	1095582.875	303.174016			1
5.20	5.23	5.26	478743.59375	279.253513			2
5.32	5.35	5.38	1412776.625	357.582034			3
5.38	5.41	5.44	835311.9375	380.320898			4
5.99	6.02	6.05	1123849.125	380.870246			5
6.42	6.45	6.48	494507.5625	367.098032			6

Height summation: **5440771.71875**
Concentration CF: **344.716457** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**7.29**	
4.78	4.81	4.84	7148967	246.643456			1
4.89	4.92	4.95	5555625	265.22208			2
5.03	5.06	5.09	6512929.5	296.700971			3
5.26	5.29	5.32	4543398	280.641847			4
5.45	5.48	5.51	12950672	278.13541			5
6.10	6.13	6.16	2842085.75	301.515804			6

Height summation: **39553677.25**
Concentration CF: **278.143261** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑	Aroclor-1016			<169.4352	<35.8804			4	40	
☑	Aroclor-1221			<169.4352	<45.8472			3	40	
☑	Aroclor-1232			<169.4352	<79.7342			4	40	
☑	Aroclor-1242			<169.4352	<32.8904			4	40	
☑	Aroclor-1248			<169.4352	<32.8904			4	40	
☑	Aroclor-1254			<169.4352	<32.8904			4	40	
☑	Aroclor-1260	A	344.716457	169.4352	48.8372		21.38	4	40	
☐	Aroclor-1262			<169.4352	<32.8904			4	40	
☐	Aroclor-1268			<169.4352	<32.8904			4	40	
☐	Total PCBs	A	344.716457	169.4352	32.8904		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders
Chemist
Date: JUL 11 2012

Verified by:
Date: 7/11/12

7/11/2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706981** ACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 20:42:26
Instrument : P 20–17342A
Result file : 5p20188.0016.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET
%SSR(TCX) : 89% (33-143) Conc.: 9.136612
%SSR(DCB) : 121% (24-164) Conc.: 12.105995

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					7	65.65	
3.27	3.29	3.33	13175.304688	9.36281			1
3.61	3.62	3.66	26498.369141	14.995696			2
3.83	3.83	3.89	3728.829834	1.818442			3
+ 3.83	3.85	3.89	1464.261963	0.714078			3
3.83	3.87	3.89	8432.728516	4.112398			3
+ 3.89	3.92	3.95	4768.251953	2.563653			4
3.89	3.94	3.95	5598.617188	3.0101			4
3.96	3.97	4.02	9404.833008	8.352993			5
4.09	4.10	4.15	8326.525391	6.540942			6
+ 4.09	4.14	4.15	2805.943115	2.204222			6
Height Summation:			75165.207766				
Amount Avg CF:			6.884769	Linear:			
Aroclor-1221					3	90.80	
3.16	3.19	3.22	3394.266846	4.567029			1
3.22	3.24	3.28	15632.71875	24.581047			2
3.27	3.29	3.33	13175.304688	6.961299			3
Height Summation:			32202.290284				
Amount Avg CF:			12.036458	Linear:			
Aroclor-1232					6	65.12	
3.27	3.29	3.33	13175.304688	6.646513			1
3.61	3.62	3.67	26498.369141	27.299366			2
+ 3.83	3.85	3.89	1464.261963	1.288803			3
3.83	3.87	3.89	8432.728516	7.422255			3
+ 3.90	3.92	3.95	4768.251953	4.782711			4
3.90	3.94	3.95	5598.617188	5.615595			4
3.96	3.97	4.02	9404.833008	17.310747			5
4.10	4.10	4.16	8326.525391	12.682324			6
+ 4.10	4.14	4.16	2805.943115	4.273797			6
Height Summation:			71436.377932				
Amount Avg CF:			12.829467	Linear:			
Aroclor-1242					6	55.83	
3.27	3.29	3.33	13175.304688	11.20404			1
3.61	3.62	3.67	26498.369141	18.142306			2
+ 3.83	3.85	3.89	1464.261963	0.84715			3
3.83	3.87	3.89	8432.728516	4.878763			3
+ 3.90	3.92	3.96	4768.251953	3.188155			4
3.90	3.94	3.96	5598.617188	3.743355			4
3.97	3.97	4.03	9404.833008	10.545083			5
4.10	4.10	4.16	8326.525391	7.638777			6
+ 4.10	4.14	4.16	2805.943115	2.57418			6
Height Summation:			71436.377932				
Amount Avg CF:			9.358721	Linear:			
Aroclor-1248					6	111.27	
3.96	3.97	4.02	9404.833008	5.858263			1
4.09	4.10	4.15	8326.525391	4.498912			2
+ 4.09	4.14	4.15	2805.943115	1.516081			2
+ 4.19	4.20	4.25	3926.717773	2.379905			3
4.19	4.22	4.25	19794.59375	11.997107			3
4.37	4.39	4.43	211009.45312	146.152881			4
+ 4.37	4.43	4.43	67315.328125	46.625064			4
4.51	4.54	4.57	226259.32812	135.440163			5
4.78	4.81	4.84	314245.15625	261.37898			6
Height Summation:			789039.889649				
Amount Avg CF:			94.221051	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 20:42:26
Instrument : P 20–17342B
Result file : 5p20188B.0016.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET
%SSR(TCX) : 55% (33-143) Conc.: 5.657706
%SSR(DCB) : 83% (34-164) Conc.: 8.253009

7-11-12

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					8	195.96	
+ 3.11	3.12	3.17	10918.254883	1.503491			1
3.11	3.16	3.17	5233270	720.643857			1
3.45	3.50	3.51	190485.75	21.455549			2
+ 3.65	3.66	3.70	9220.463867	0.914888			3
3.65	3.67	3.70	14876.304688	1.476081			3
3.65	3.69	3.70	45989.785156	4.563275			3
3.72	3.73	3.78	40274.558594	3.865942			4
+ 3.72	3.77	3.78	12412.59375	1.191481			4
3.72	3.78	3.78	22014.4375	2.113159			4
3.79	3.82	3.85	77586.8125	11.927654			5
3.90	3.92	3.96	2420601.25	283.46881			6
+ 3.90	3.95	3.96	28277.003906	3.311429			6
Height Summation:			8045098.898438				
Amount Avg CF:			131.189291	Linear:			
Aroclor-1221					3	146.12	
2.99	2.99	3.05	89023.273438	22.241912			1
+ 2.99	3.04	3.05	39743.625	9.929698			1
3.05	3.07	3.11	111339.04687	38.381766			2
+ 3.05	3.10	3.11	29532.580078	10.180728			2
+ 3.11	3.12	3.17	10918.254883	1.084025			3
3.11	3.16	3.17	5233270	519.588062			3
Height Summation:			5433632.320313				
Amount Avg CF:			193.403913	Linear:			
Aroclor-1232					8	158.41	
+ 3.11	3.12	3.17	10918.254883	1.089588			1
3.11	3.16	3.17	5233270	522.254455			1
3.45	3.50	3.51	190485.75	40.479194			2
+ 3.65	3.66	3.71	9220.463867	1.760271			3
3.65	3.67	3.71	14876.304688	2.840023			3
3.65	3.69	3.71	45989.785156	8.77987			3
3.72	3.73	3.78	40274.558594	7.519606			4
+ 3.72	3.77	3.78	12412.59375	2.317538			4
3.72	3.78	3.78	22014.4375	4.110285			4
3.79	3.82	3.85	77586.8125	83.64708			5
3.90	3.92	3.96	2420601.25	612.281982			6
+ 3.90	3.95	3.96	28277.003906	7.152562			6
Height Summation:			8045098.898438				
Amount Avg CF:			160.239062	Linear:			
Aroclor-1242					8	187.19	
+ 3.11	3.12	3.17	10918.254883	1.815445			1
E 3.11	3.16	3.17	5233270	870.168023			1
3.45	3.50	3.51	190485.75	26.875482			2
+ 3.65	3.66	3.71	9220.463867	1.172115			3
3.65	3.67	3.71	14876.304688	1.891091			3
3.65	3.69	3.71	45989.785156	5.846269			3
3.72	3.73	3.78	40274.558594	4.927386			4
+ 3.72	3.77	3.78	12412.59375	1.518617			4
3.72	3.78	3.78	22014.4375	2.693354			4
3.79	3.82	3.85	77586.8125	51.367468			5
3.90	3.92	3.96	2420601.25	359.348221			6
+ 3.90	3.95	3.96	28277.003906	4.197838			6
Height Summation:			8045098.898438				
Amount Avg CF:			165.389662	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706981** ACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 20:42:26
Instrument : P 20--17342A
Result file : 5p20188.0016.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	96.88	
4.51	4.54	4.58	226259.32812	73.60354			1
+ 4.72	4.72	4.78	3761.068115	1.897883			2
4.72	4.76	4.78	184212.14062	92.955781			2
4.78	4.81	4.84	314245.15625	83.184638			3
5.00	5.04	5.06	174056.35937	58.232694			4
5.20	5.23	5.26	478743.59375	205.058255			5
5.32	5.35	5.38	1412776.625	469.185117			6
Height Summation:			**2790293.203125**				
Amount Avg CF:			**163.703338**	Linear:			
Aroclor-1260					6	12.48	
5.11	5.14	5.17	1095582.875	303.174016			1
5.20	5.23	5.26	478743.59375	279.253513			2
5.32	5.35	5.38	1412776.625	357.582034			3
5.38	5.41	5.44	835311.9375	380.320898			4
5.99	6.02	6.05	1123849.125	380.870246			5
6.42	6.45	6.48	494507.5625	367.098032			6
Height Summation:			**5440771.748750**				
Amount Avg CF:			**344.716457**	Linear:			
Aroclor-1262					6	22.73	
5.11	5.14	5.17	1095582.875	366.765875			1
5.38	5.41	5.44	835311.9375	214.797102			2
5.55	5.58	5.61	866651.375	322.500266			3
5.79	5.82	5.85	2125768.25	290.237481			4
5.99	6.02	6.05	1123849.125	275.030212			5
6.43	6.45	6.49	494507.5625	200.563555			6
Height Summation:			**6541671.125000**				
Amount Avg CF:			**278.315749**	Linear:			
Aroclor-1268					6	89.24	
5.99	6.02	6.05	1123849.125	141.267005			1
6.05	6.07	6.11	328340.25	47.873939			2
6.18	6.21	6.24	18083.427734	2.907421			3
+ 6.25	6.27	6.31	21553.957031	12.730417			4
6.25	6.30	6.31	211487.34375	124.910801			4
6.43	6.45	6.49	494507.5625	174.376981			5
6.63	6.66	6.69	88264.085938	4.950959			6
Height Summation:			**2264531.794922**				
Amount Avg CF:			**82.714518**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 20:42:26
Instrument : P 20--17342B
Result file : 5p20188B.0016.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	93.85	
3.79	3.82	3.85	77586.8125	9.336792			1
3.90	3.92	3.96	2420601.25	199.619231			2
+ 3.90	3.95	3.96	28277.003906	2.331914			2
4.14	4.17	4.20	994106.6875	57.941748			3
4.47	4.50	4.53	258290.57812	46.927912			4
+ 4.54	4.55	4.60	234725.53125	29.968055			5
4.54	4.58	4.60	2178222.5	278.099663			5
4.71	4.71	4.77	202388.78125	29.577597			6
+ 4.71	4.74	4.77	44323.941406	6.47761			6
4.71	4.76	4.77	2011250.625	293.929137			6
Height Summation:			**8142447.234375**				
Amount Avg CF:			**130.776011**	Linear:			
Aroclor-1254					7	125.52	
4.47	4.50	4.53	258290.57812	18.679853			1
+ 4.54	4.55	4.60	234725.53125	9.990156			2
4.54	4.58	4.60	2178222.5	92.707354			2
4.71	4.71	4.77	202388.78125	10.431839			3
+ 4.71	4.74	4.77	44323.941406	2.284614			3
4.71	4.76	4.77	2011250.625	103.667019			3
4.78	4.81	4.84	7148967	575.349398			4
4.95	4.98	5.01	504647.96875	40.614081			5
5.03	5.06	5.09	6512929.5	334.679048			6
Height Summation:			**18816696.953125**				
Amount Avg CF:			**168.01837**	Linear:			
Aroclor-1260					6	7.29	
4.78	4.81	4.84	7148967	246.643456			1
4.89	4.92	4.95	5555625	265.22208			2
5.03	5.06	5.09	6512929.5	296.700971			3
5.26	5.29	5.32	4543398	280.641847			4
+ 5.26	5.32	5.32	501915.25	31.00288			4
5.45	5.48	5.51	12950672	278.13541			5
+ 6.10	6.10	6.16	30157.019531	3.199347			6
6.10	6.13	6.16	2842085.75	301.515804			6
Height Summation:			**39553677.250000**				
Amount Avg CF:			**278.143261**	Linear:			
Aroclor-1262					6	39.09	
4.89	4.92	4.95	5555625	305.402952			1
5.06	5.09	5.12	4619077.5	143.205753			2
5.26	5.29	5.32	4543398	180.045743			3
+ 5.26	5.32	5.32	501915.25	19.889894			3
5.45	5.48	5.51	12950672	205.172904			4
+ 5.67	5.68	5.73	41928.90625	1.858281			5
5.67	5.70	5.73	2136673.75	94.696964			5
6.10	6.13	6.16	2842085.75	162.642711			6
Height Summation:			**32647532.000000**				
Amount Avg CF:			**181.861171**	Linear:			
Aroclor-1268					6	118.25	
+ 5.67	5.68	5.73	41928.90625	0.578646			1
5.67	5.70	5.73	2136673.75	29.487501			1
5.72	5.74	5.78	8181185	131.462132			2
5.87	5.90	5.93	106555.1875	2.565882			3
5.94	5.95	6.00	199480.1875	18.110045			4
+ 5.94	5.97	6.00	78738.6875	7.148385			4
6.10	6.13	6.16	2842085.75	139.354501			5
6.30	6.33	6.36	448900.15625	3.154714			6
Height Summation:			**13914880.031250**				
Amount Avg CF:			**54.022463**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706981** ACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 20:42:26
Instrument : P 20--17342A
Result file : 5p20188.0016.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 10, 2012 20:42:26
Instrument : P 20--17342B
Result file : 5p20188B.0016.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			169.4352	35.8804		** 180.05	4	40	
Aroclor-1221			169.4352	45.8472		** 176.56	3	40	
Aroclor-1232			169.4352	79.7342		** 170.35	4	40	
Aroclor-1242			169.4352	32.8904		** 178.58	4	40	
Aroclor-1248			169.4352	32.8904		32.49	4	40	
Aroclor-1254			169.4352	32.8904		2.60	4	40	
Aroclor-1260			169.4352	48.8372		21.38	4	40	
Aroclor-1262			169.4352	32.8904		** 41.92	4	40	
Aroclor-1268			169.4352	32.8904		** 41.97	4	40	
Total PCBs			169.4352	32.8904					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706981ACF DF10 ADTS-25 T 121840016A 10736 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 8:42:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0016.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.546		20990	42661
2.584		28904	58545
2.603		29204	29349
2.648		39202	75317
2.664		37046	27594
2.702		44384	78929
2.723		45689	40526
2.742		50305	65427
2.766		49091	44722
2.817		19540	55816
2.841		9936	8282
2.869		9138	10418
2.909		11269	15195
2.941		2806	1225
3.003		214797	188360
3.038	TCX	710084	533360
3.063		12303	11826
3.108		2338	13186
3.125		15212	13953
3.158		17278	19258
3.193		3394	3400
3.243		15633	20545
3.295		13175	20104
3.349		1132604	937084
3.398		31808	24291
3.419		4727	1771
3.443		3524	3679
3.468		6869	6202
3.496		7349	3979
3.518		8663	18903
3.593		8934	23168
3.619		26498	27426
3.669		16399	27401
3.7		12491	11960
3.728		8902	6355
3.756		7917	9310
3.797		5316	3296
3.832		3729	2325
3.854		1464	840
3.871		8433	8958
3.922		4768	3777
3.938		5599	7040
3.972		9405	7652
4.053		310642	349374
4.1		8327	8503
4.14		2806	5718
4.16		7868	7065
4.195		3927	3567
4.221		19795	22470
4.262		9103	8397
4.295		7644	7212
4.349		10679	12301
4.385		211010	204161
4.431		67315	79187

ASX67 0257

RT A	Compound A	Height A	Area A
4.47		16254	13929
4.501		58934	55464
4.543		226259	225953
4.581		42662	43334
4.623		20446	17744
4.689		41005	40745
4.718		3761	1948
4.761		184212	218954
4.808		314245	341516
4.857		469407	611918
4.896		65548	45947
4.937		924523	1059192
4.976		7930	10034
5.045		174056	314306
5.09		290815	418674
5.141		1095583	1620127
5.192		228915	229314
5.234		478744	625480
5.277		8515	4566
5.313		117072	150396
5.349		1412777	1737136
5.413		835312	923918
5.457		525086	580450
5.579		866651	1447635
5.637		434132	458121
5.676		241873	250594
5.72		50241	58140
5.762		255062	280151
5.818		2125768	2704299
5.917		28760	54318
5.978		40872	54739
6.024		1123849	1344080
6.067		328340	658251
6.211		18083	31022
6.272		21554	18885
6.298		211487	215223
6.356		4691	8387
6.454		494508	605222
6.499		28928	32170
6.655		88264	101339
6.692		14842	16043
6.733		1981	1348
6.803	DCB	524926	972769
6.979		17794	29521
7.088		371030	668018
7.21		17754	24375
7.333		4243	6760
7.367		1877	712
7.417		597	2455
7.507		220067	846676
7.663		1068	793
7.731		1212	507
7.879		2441	3812
7.997		1068	772
8.016		2434	2921
8.092		5034	10699
8.166		1681	2598
8.264		1559	1203
8.39		1210	710
8.447		31145	78919
8.609		1116	1431
8.657		2005	3258

ASX67 825B

LANCASTER LABORATORIES

Sample Number: 6706981ACF DF10 ADTS-25 T 121840016A 10736 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 8:42:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0016.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.504		16264	5542
2.519		104667	187800
2.559		186666	141596
2.571		214891	168586
2.586		224607	171547
2.603		277749	574918
2.677		244429	713361
2.71		178222	266374
2.754		105164	218551
2.794		21905	18670
2.813		16850	10951
2.844	TCX	2546887	1389305
2.862		2354962	1663733
2.902		65190	49138
2.952		122916	273384
2.993		89023	130856
3.04		39744	34037
3.07		111339	106873
3.097		29533	23945
3.119		10918	4302
3.163		5233270	3494591
3.187		555699	342190
3.214		272326	180110
3.254		404462	355607
3.29		10865	5896
3.32		35256	37609
3.351		7932	3498
3.371		26793	20213
3.397		78693	53841
3.436		132236	106652
3.496		190486	311363
3.53		74892	64785
3.549		21257	12566
3.562		33372	20323
3.591		59897	85778
3.644		42507	42724
3.662		9220	4872
3.675		14876	6229
3.692		45990	33875
3.726		40275	51870
3.768		12413	8712
3.782		22014	14662
3.816		77587	89395
3.849		47355	63133
3.881		124637	98302
3.919		2420601	2185925
3.954		28277	24723
3.984		97594	116338
4.026		102664	88642
4.047		17594	8140
4.069		36947	32257
4.098		35561	32348
4.17		994107	916469
4.222		135361	87336

ASX67 0259

RT B	Compound B	Height B	Area B
4.238		129320	73329
4.278		672696	536357
4.31		220033	222928
4.336		67795	41198
4.355		62141	48092
4.392		481344	346701
4.438		48942	33054
4.455		123932	88224
4.498		258291	328278
4.548		234726	172183
4.577		2178223	2457760
4.604		737611	718550
4.662		4746128	4753148
4.71		202389	207858
4.736		44324	24886
4.762		2011251	1887444
4.808		7148967	7207404
4.879		1556677	1634130
4.921		5555625	6600413
4.978		504648	518768
5.018		2028765	1984184
5.057		6512930	6405538
5.09		4619078	4215442
5.132		2935749	2897648
5.202		136667	142026
5.237		989445	1228684
5.288		4543398	4272150
5.315		501915	369861
5.364		2892824	3037831
5.401		1141647	957566
5.426		835283	722538
5.482		12950670	13390900
5.525		233759	184907
5.56		318177	328008
5.596		16284	9319
5.676		41929	41418
5.698		2136674	2038331
5.745		8181185	9393278
5.79		83600	118114
5.902		106555	136955
5.948		199480	210930
5.97		78739	76998
6.021		1536493	1800735
6.095		30157	21114
6.126		2842086	2749971
6.157		104157	81657
6.205		10087	4054
6.225		64883	65976
6.265		44270	48778
6.328		448900	468763
6.491	DCB	2599958	2971704
6.716		332138	439730
6.902		57681	64209
6.955		1782180	2895117
7.036		87589	105989
7.111		18226	18459
7.144		26022	63524
7.251		31451	56706
7.401		7935	9644
7.492		3102	5426
7.511		22959	28898
7.589		5299	6034
7.632		15897	26169
7.915		5408	9253
7.933		5309	3081
8.149		5519	5181

ASX67 8268

RT B	Compound B	Height B	Area B
8.221		11848	24165
8.333		142232	308511
8.535		12105	21011

ASX67 0261

6706981ACF DF10 ADTS-25 T 121840016A 10736 SW-846 8082

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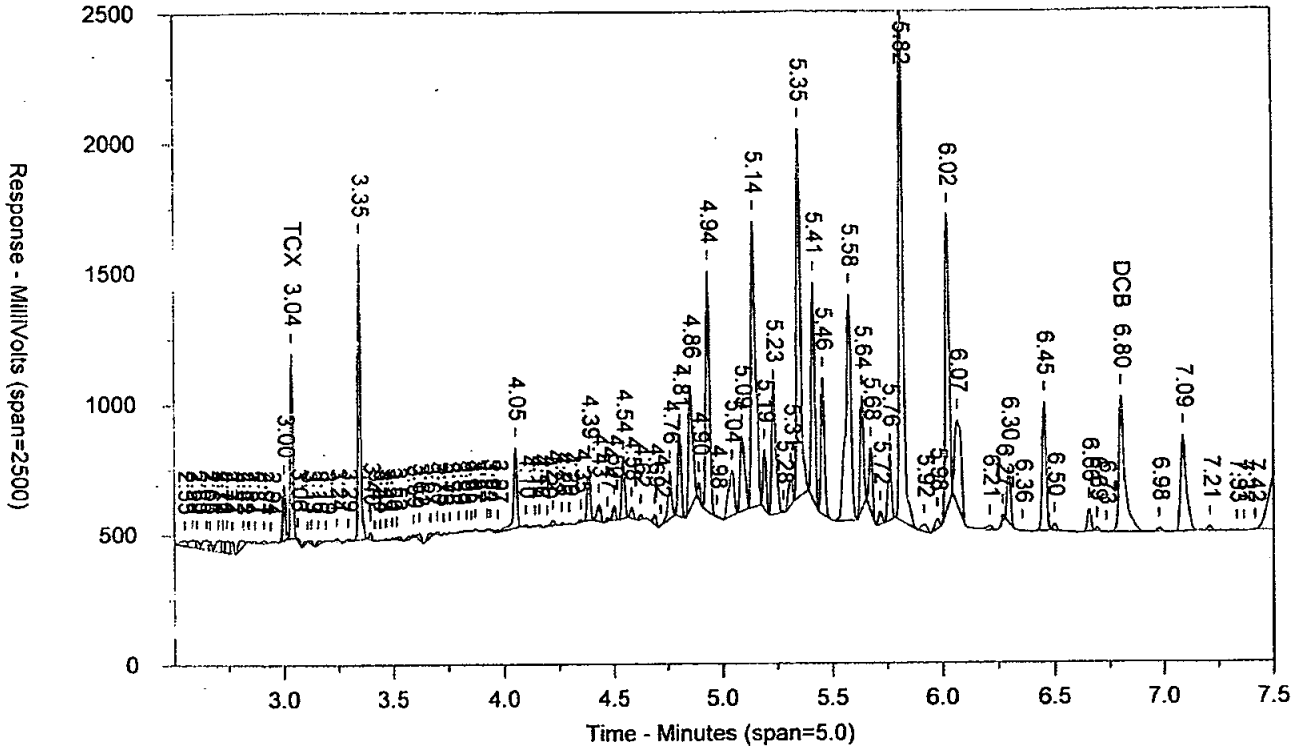

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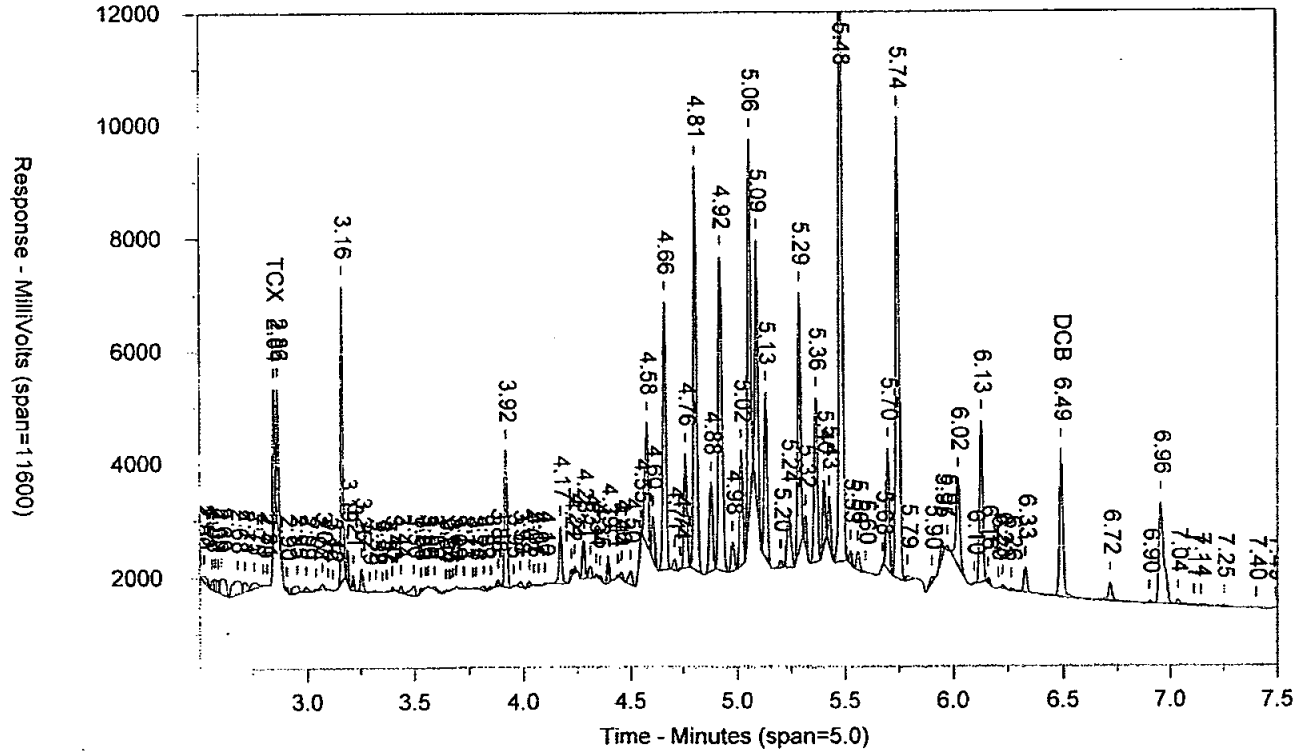

ASX67 B262

LANCASTER LABORATORIES

Sample Number: 6706981ACF DF10 ADTS-25 T 121840016A 10736 Sample Weight: 35W-846 8082
Injected On: 7/10/2012 8:42:26 PM Dilution Factor: 100
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	710084	9.137	TCX	2.844	2546887	5.658	TCX
6.803	524926	12.106	DCB	6.491	2599958	8.253	DCB

Files:
Area File: 5p20188.0016.RAW
Area File: 5p20188B.0016.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 8:51:09 PM
File Reported On: 7/10/2012 at 8:51:16 PM

ASX67 0263

6706981ACF DF10 ADTS-25 T 121840016A 10736 SW-846 8082

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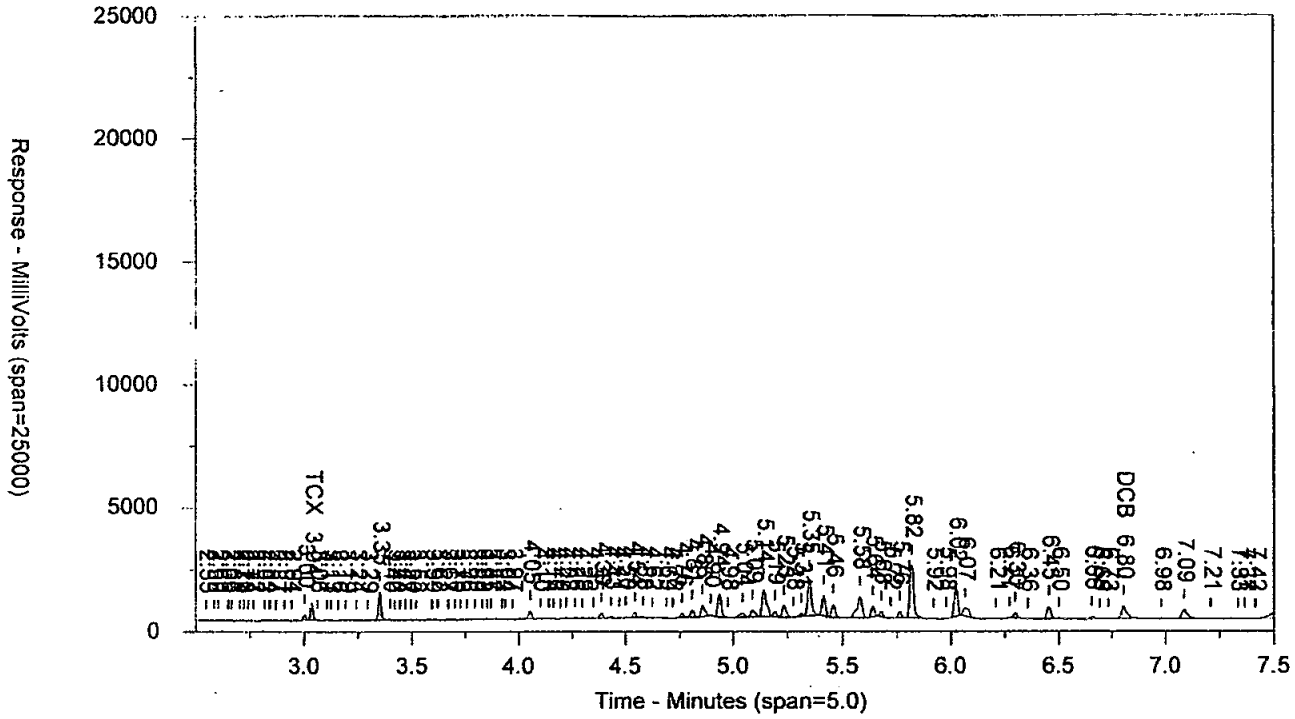

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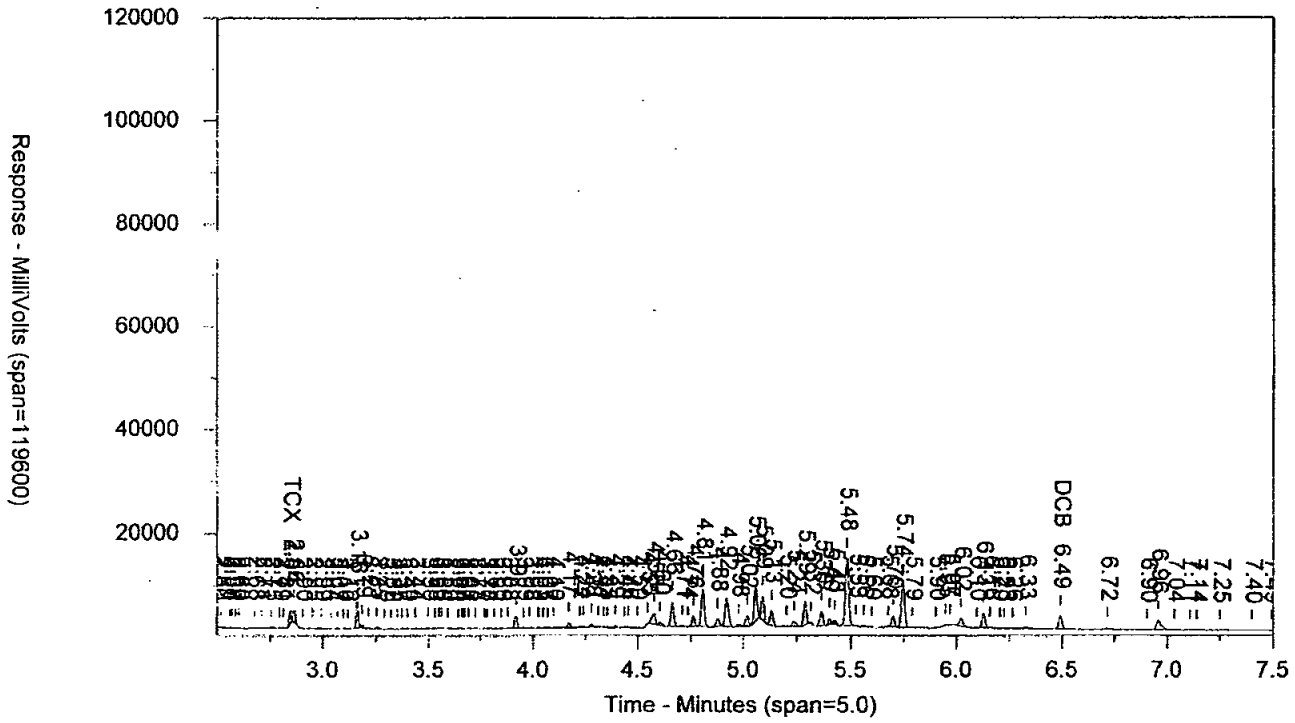


ASX67 0264

Data Summary

Sample Name: 6706984 RI ACF DF500 TS-40 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 11, 2012 16:25:53
Instrument	17342A
Result file	6P20188.0012.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 101% (33 - 143) Conc: 10.367724
%SSR(DCB) * 312% (24 - 164) Conc: 31.124498

Analysis Report (B)

Injected on	Jul 11, 2012 16:25:53
Instrument	17342B
Result file	6P20188B.0012.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 87% (33 - 143) Conc: 8.967204
%SSR(DCB) * 184% (24 - 164) Conc: 18.37009

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	16115	10.367724
Decachlorobiphenyl	6.78	6.81	6.82	26992	31.124498

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	80734	8.967204
Decachlorobiphenyl	6.47	6.49	6.51	115743	18.37009

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	10.367724				14.49	
☑ Decachlorobiphenyl	A	31.124498				51.54	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**5.40**	
5.11	5.14	5.17	2664650.25	36868.626508			1
5.20	5.24	5.26	1162471.625	33903.773291			2
5.32	5.35	5.38	2946128.75	37284.121646			3
5.38	5.41	5.44	1712916.625	38994.892818			4
5.99	6.03	6.05	2174244.75	36842.362328			5
6.42	6.46	6.48	919808.8125	34141.035529			6

Height summation: **11580220.8125**
Concentration CF: **36339.135353** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.43**	
4.78	4.81	4.84	20745088	35785.870894			1
4.89	4.92	4.95	13711247	32728.319902			2
5.03	5.06	5.09	16346094	37232.876256			3
5.26	5.29	5.32	10789408	33322.629718			4
5.45	5.48	5.51	35096644	37687.694756			5
6.10	6.13	6.16	6199822	32886.838713			6

Height summation: **102888303**
Concentration CF: **34940.70504** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑ Aroclor-1016			<8471.7607	<1794.0199			4	40	
☑ Aroclor-1221			<8471.7607	<2292.3588			3	40	
☑ Aroclor-1232			<8471.7607	<3986.7109			4	40	
☑ Aroclor-1242			<8471.7607	<1644.5183			4	40	
☑ Aroclor-1248			<8471.7607	<1644.5183			4	40	
☑ Aroclor-1254			<8471.7607	<1644.5183			4	40	
☑ Aroclor-1260	A	36339.135353	8471.7607	2441.8604		3.92	4	40	
☐ Aroclor-1262			<8471.7607	<1644.5183			4	40	
☐ Aroclor-1268			<8471.7607	<1644.5183			4	40	
☐ Total PCBs	A	36339.135353	8471.7607	1644.5183		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders
Monica M. Souders
Chemist
Date: JUL 12 2012

Verified by:
Date: 7/18/12

7/12/2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: 6706984 RI ACF DF500 TS-40 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 16:25:53
Instrument : P 20--17342A
Result file : 6p20188.0012.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 101% (33-143) Conc.: 10.367724
%SSR(DCB) : *312% (24-164) Conc.: 31.124498 DL

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	75.84	
3.27	3.31	3.33	1187.261719	42.185386			1
3.61	3.62	3.66	12755.29785	360.917634			2
3.83	3.86	3.89	4950.279785	120.705411			3
+ 3.83	3.89	3.89	1896.038574	46.232158			3
3.89	3.93	3.95	4467.008301	120.084479			4
+ 3.96	3.97	4.02	2131.365723	94.649654			5
3.96	4.00	4.02	2636.408936	117.077605			5
+ 4.09	4.11	4.15	2753.7229	108.160014			6
4.09	4.13	4.15	2778.096191	109.117341			6
Height Summation:			28774.352784				
Amount Avg CF:			145.014643	Linear:			
Aroclor-1221					3	57.99	
3.16	3.16	3.22	1877.122803	126.284625			1
3.22	3.24	3.28	1616.785156	127.112478			2
3.27	3.31	3.33	1187.261719	31.365057			3
Height Summation:			4681.169678				
Amount Avg CF:			94.92072	Linear:			
Aroclor-1232					6	78.81	
3.27	3.31	3.33	1187.261719	29.946749			1
3.61	3.62	3.67	12755.29785	657.043346			2
3.83	3.86	3.89	4950.279785	217.854982			3
+ 3.83	3.89	3.89	1896.038574	83.442041			3
3.90	3.93	3.95	4467.008301	224.027715			4
+ 3.96	3.97	4.02	2131.365723	196.151982			5
3.96	4.00	4.02	2636.408936	242.631676			5
+ 4.10	4.11	4.16	2753.7229	209.71296			6
4.10	4.13	4.16	2778.096191	211.569136			6
Height Summation:			28774.352784				
Amount Avg CF:			263.845601	Linear:			
Aroclor-1242					6	75.73	
3.27	3.31	3.33	1187.261719	50.481292			1
3.61	3.62	3.67	12755.29785	436.650477			2
3.83	3.86	3.89	4950.279785	143.199442			3
+ 3.83	3.89	3.89	1896.038574	54.847741			3
3.90	3.93	3.96	4467.008301	149.336856			4
+ 3.97	3.97	4.03	2131.365723	119.488718			5
3.97	4.00	4.03	2636.408936	147.802473			5
+ 4.10	4.11	4.16	2753.7229	126.313639			6
4.10	4.13	4.16	2778.096191	127.431645			6
Height Summation:			28774.352784				
Amount Avg CF:			175.817031	Linear:			
Aroclor-1248					6	129.24	
+ 3.96	3.97	4.02	2131.365723	66.381297			1
3.96	4.00	4.02	2636.408936	82.110847			1
+ 4.09	4.11	4.15	2753.7229	74.393311			2
4.09	4.13	4.15	2778.096191	75.051768			2
+ 4.19	4.19	4.25	2400.475098	72.743997			3
4.19	4.22	4.25	3542.202637	107.342908			3
4.37	4.39	4.43	232803.9062	8062.425926			4
+ 4.37	4.43	4.43	33081.71093	1145.680278			4
4.51	4.55	4.57	357461.2187	10698.919287			5
4.78	4.81	4.84	544407.625	22641.034671			6
Height Summation:			1143629.457764				
Amount Avg CF:			6944.480901	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 16:25:53
Instrument : P 20--17342B
Result file : 6p20188B.0012.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 87% (33-143) Conc.: 8.967204
%SSR(DCB) : *184% (24-164) Conc.: 18.37009

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	231.85	
3.11	3.15	3.17	5095592.5	35084.253582			1
+ 3.45	3.45	3.51	67086.27343	377.816399			2
3.45	3.49	3.51	19875.20507	111.933158			2
3.65	3.68	3.70	7039.359863	34.923554			3
3.72	3.74	3.78	18458.13281	88.589516			4
3.79	3.82	3.85	41147.54296	316.286764			5
3.90	3.92	3.96	187205.25	1096.150172			6
Height Summation:			5369317.990723				
Amount Avg CF:			6122.022791	Linear:			
Aroclor-1221					3	167.35	
2.99	3.02	3.05	14996.45312	187.338538			1
3.05	3.06	3.11	22999.33984	396.426634			2
3.11	3.15	3.17	5095592.5	25295.93382			3
Height Summation:			5133588.292969				
Amount Avg CF:			8626.566331	Linear:			
Aroclor-1232					6	197.44	
3.11	3.15	3.17	5095592.5	25425.746103			1
+ 3.45	3.45	3.51	67086.27343	712.808782			2
3.45	3.49	3.51	19875.20507	211.179128			2
3.65	3.68	3.71	7039.359863	67.193908			3
3.72	3.74	3.78	18458.13281	172.314602			4
3.79	3.82	3.85	41147.54296	2218.077866			5
3.90	3.92	3.96	187205.25	2367.643193			6
Height Summation:			5369317.990723				
Amount Avg CF:			5077.0258	Linear:			
Aroclor-1242					6	225.36	
E 3.11	3.15	3.17	5095592.5	42363.776891			1
+ 3.45	3.45	3.51	67086.27343	473.257432			2
3.45	3.49	3.51	19875.20507	140.208839			2
3.65	3.68	3.71	7039.359863	44.742533			3
3.72	3.74	3.78	18458.13281	112.912896			4
3.79	3.82	3.85	41147.54296	1362.116215			5
3.90	3.92	3.96	187205.25	1389.569504			6
Height Summation:			5369317.990723				
Amount Avg CF:			7568.887813	Linear:			
Aroclor-1248					6	155.43	
3.79	3.82	3.85	41147.54296	247.584633			1
3.90	3.92	3.96	187205.25	771.910865			2
4.14	4.17	4.20	1215242.375	3541.534763			3
4.47	4.50	4.53	563444.75	5118.515297			4
+ 4.54	4.55	4.60	491573.75	3138.028694			5
4.54	4.58	4.60	5222929.5	33341.289359			5
4.71	4.74	4.77	748968.9375	5472.808569			6
+ 4.71	4.76	4.77	3536136	25838.982678			6
Height Summation:			7978938.355469				
Amount Avg CF:			8082.273914	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: 6706984 RI ACF DF500 TS-40 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 16:25:53
Instrument : P 20--17342A
Result file : 6p20188.0012.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	106.73	
4.51	4.55	4.58	357461.2187	5814.215746			1
4.72	4.76	4.78	282110.8125	7117.834579			2
4.78	4.81	4.84	544407.625	7205.57665			3
5.00	5.03	5.06	291346.3125	4873.674463			4
5.20	5.24	5.26	1162471.625	24895.83209			5
5.32	5.35	5.38	2946128.75	48920.676398			6
Height Summation:			5583926.343750				
Amount Avg CF:			16471.301654	Linear:			
Aroclor-1260					6	5.40	
5.11	5.14	5.17	2664650.25	36868.626508			1
5.20	5.24	5.26	1162471.625	33903.773291			2
5.32	5.35	5.38	2946128.75	37284.121646			3
5.38	5.41	5.44	1712916.625	38994.892818			4
5.99	6.03	6.05	2174244.75	36842.362328			5
6.42	6.46	6.48	919808.8125	34141.035529			6
Height Summation:			11580220.812500				
Amount Avg CF:			36339.135353	Linear:			
Aroclor-1262					6	31.57	
E 5.11	5.14	5.17	2664650.25	44601.95584			1
5.38	5.41	5.44	1712916.625	22023.480763			2
5.55	5.58	5.61	1761295.375	32770.860525			3
5.79	5.82	5.85	4301351	29363.814262			4
5.99	6.03	6.05	2174244.75	26604.238117			5
6.43	6.46	6.49	919808.8125	18652.912475			6
Height Summation:			13534266.812500				
Amount Avg CF:			29002.876997	Linear:			
Aroclor-1268					6	116.08	
5.99	6.03	6.05	2174244.75	13665.047974			1
6.05	6.08	6.11	688614.25	5020.200315			2
6.18	6.22	6.24	39960.34765	321.237591			3
6.25	6.28	6.31	30526.82226	901.503075			4
+ 6.25	6.30	6.31	396913.9062	11721.46593			4
6.43	6.46	6.49	919808.8125	16217.495579			5
6.63	6.66	6.69	199846.8437	560.496057			6
Height Summation:			4053001.826172				
Amount Avg CF:			6114.330099	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 16:25:53
Instrument : P 20--17342B
Result file : 6p20188B.0012.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	131.39	
4.47	4.50	4.53	563444.75	2037.446593			1
+ 4.54	4.55	4.60	491573.75	1046.093818			2
4.54	4.58	4.60	5222929.5	11114.6583			2
4.71	4.74	4.77	748968.9375	1930.226309			3
+ 4.71	4.76	4.77	3536136	9113.252097			3
4.78	4.81	4.84	20745088	83478.311497			4
4.95	4.98	5.01	1888570.375	7599.609521			5
5.03	5.06	5.09	16346094	41998.728629			6
Height Summation:			45515095.562500				
Amount Avg CF:			24693.163475	Linear:			
Aroclor-1260					6	6.43	
4.78	4.81	4.84	20745088	35785.870894			1
4.89	4.92	4.95	13711247	32728.319902			2
5.03	5.06	5.09	16346094	37232.876256			3
5.26	5.29	5.32	10789408	33322.629718			4
+ 5.26	5.32	5.32	1307155	4037.092864			4
5.45	5.48	5.51	35096644	37687.694756			5
6.10	6.13	6.16	6199822	32886.838713			6
Height Summation:			102888303.000000				
Amount Avg CF:			34940.70504	Linear:			
Aroclor-1262					6	39.60	
E 4.89	4.92	4.95	13711247	37686.626697			1
5.06	5.09	5.12	11413230	17692.279457			2
5.26	5.29	5.32	10789408	21378.129095			3
+ 5.26	5.32	5.32	1307155	2589.996443			3
5.45	5.48	5.51	35096644	27801.184248			4
+ 5.67	5.68	5.73	64479.46093	142.885858			5
5.67	5.70	5.73	5818916.5	12894.662298			5
6.10	6.13	6.16	6199822	17739.715623			6
Height Summation:			83029267.500000				
Amount Avg CF:			22532.09957	Linear:			
Aroclor-1268					6	122.82	
+ 5.67	5.68	5.73	64479.46093	44.492945			1
5.67	5.70	5.73	5818916.5	4015.243449			1
5.72	5.75	5.78	19391610	15580.031439			2
5.87	5.90	5.93	327264.2812	394.031256			3
+ 5.94	5.95	6.00	423202.5	1921.047009			4
5.94	5.97	6.00	118552.7031	538.147378			4
6.10	6.13	6.16	6199822	15199.631091			5
6.30	6.33	6.36	1088792.5	382.582696			6
Height Summation:			32944957.984375				
Amount Avg CF:			6018.277885	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			8471.7607	1794.0199		** 190.74	4	40	
Aroclor-1221			8471.7607	2292.3588		** 195.65	3	40	
Aroclor-1232			8471.7607	3986.7109		** 180.24	4	40	
Aroclor-1242			8471.7607	1644.5183		** 190.92	4	40	
Aroclor-1248			8471.7607	1644.5183		15.14	4	40	
Aroclor-1254			8471.7607	1644.5183		39.95	4	40	
Aroclor-1260			8471.7607	2441.8604		3.92	4	40	
Aroclor-1262			8471.7607	1644.5183	E	25.11	4	40	

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: 6706984 RI ACF DF500 TS-40 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	: JUL 11, 2012 16:25:53
Instrument	: P 20--17342A
Result file	: 6p20188.0012.RAW
Calibration file	: 2p20188.CAL
Method file	: PESTDI20.MET

Analysis Report (B)

Injected on	: JUL 11, 2012 16:25:53
Instrument	: P 20--17342B
Result file	: 6p20188B.0012.RAW
Calibration file	: 2P20188b.CAL
Method file	: PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			8471.7607	1644.5183		1.58	4	40	
Total PCBs			8471.7607	1644.5183					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706984 RI ACF DF500ADTS-40 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 4:25:52 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0012.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.585		3540	4541
2.657		4187	7594
2.732		12110	9042
2.753		45226	35633
2.82		3128	3684
2.871		2139	2684
2.909		7725	5940
2.951		2627	2037
2.992		3265	4145
3.038	TCX	16115	12476
3.061		16028	12968
3.125		2256	2527
3.164		1877	3076
3.243		1617	1614
3.314		1187	977
3.366		960675	775800
3.417		1867	1156
3.438		1889	783
3.501		1706	1482
3.522		25000	20569
3.597		1824	1395
3.616		12755	14706
3.674		1785	1483
3.697		2804	1662
3.721		1684	838
3.757		1933	3014
3.771		3084	1959
3.797		8447	9665
3.86		4950	7137
3.887		1896	1456
3.927		4467	5422
3.965		2131	1406
3.996		2636	2347
4.04		19734	26166
4.106		2754	1728
4.127		2778	2071
4.163		2029	1040
4.179		2766	2170
4.193		2400	1453
4.22		3542	3319
4.272		2133	1223
4.29		3280	2012
4.349		4505	5989
4.387		232804	230413
4.431		33082	26824
4.479		3006	18022
4.502		102895	102515
4.547		357461	369323
4.583		166568	163938
4.624		12356	9364
4.648		6652	5535
4.693		43913	41614
4.763		282111	430057
4.809		544408	550941

ASX67 8269

RT A	Compound A	Height A	Area A
4.858		858794	1100947
4.897		171262	140512
4.937		1699565	2004006
4.99		36688	36887
5.03		291346	351247
5.062		12661	7125
5.09		453564	491910
5.142		2664650	3740968
5.194		465245	451721
5.236		1162472	1460784
5.278		23185	12786
5.316		194972	239036
5.351		2946129	3616426
5.415		1712917	1846791
5.459		1011729	1176203
5.58		1761295	2878822
5.639		782958	866286
5.678		390394	421175
5.72		84678	85511
5.763		521728	585577
5.819		4301351	5249226
5.978		45376	61182
6.026		2174245	2520896
6.077		688614	1300162
6.215		39960	53833
6.276		30527	32882
6.3		396914	418053
6.456		919809	1152434
6.503		55207	57255
6.659		199847	242203
6.806	DCB	26992	38287
6.88		3457	4601
6.984		23252	34347
7.091		1683	2542
7.289		1782	2294
7.411		1315	840
7.455		1378	484
7.772		1375	1062
7.828		1137	636
7.915		1613	2002
7.975		1808	1719
8.078		1918	688
8.098		1969	2911
8.189		1541	1418
8.236		1711	712
8.335		1188	1050
8.442		1283	443
8.452		1300	680
8.495		1682	1368

ASX67 0278

LANCASTER LABORATORIES

Sample Number: 6706984 RI ACF DF500ADTS-40 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 4:25:52 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0012.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.523		27353	24446
2.582		266680	203637
2.627		15242	8021
2.681		18199	16705
2.715		22249	24286
2.787		13709	20690
2.812		12121	7342
2.844	TCX	80734	54930
2.894		8010	11645
2.928		10405	4901
2.969		78615	100351
3.021		14996	16948
3.055		22999	26388
3.152		5095593	3786204
3.221		10456	13970
3.277		103262	65859
3.297		11225	3679
3.324		15018	6096
3.377		12771	24117
3.452		67086	84315
3.486		19875	35262
3.521		8757	3255
3.532		6406	2776
3.567		49229	57750
3.6		9799	4702
3.644		10239	14645
3.678		7039	5368
3.707		10526	10400
3.739		18458	20849
3.822		41148	60484
3.875		6807	3756
3.921		187205	260425
3.968		72711	191449
3.993		75676	55003
4.029		31669	51353
4.075		34327	43833
4.117		28989	25649
4.172		1215242	1100768
4.239		575968	591477
4.278		1911698	1622609
4.313		915007	715755
4.337		116204	70232
4.355		35016	19989
4.402		45996	44555
4.438		323204	516258
4.499		563445	707295
4.548		491574	444248
4.577		5222930	5787034
4.608		2012280	2221766
4.663		11701170	11216690
4.707		319982	337156
4.737		748989	557553
4.762		3536136	3111762
4.808		20745090	20496750

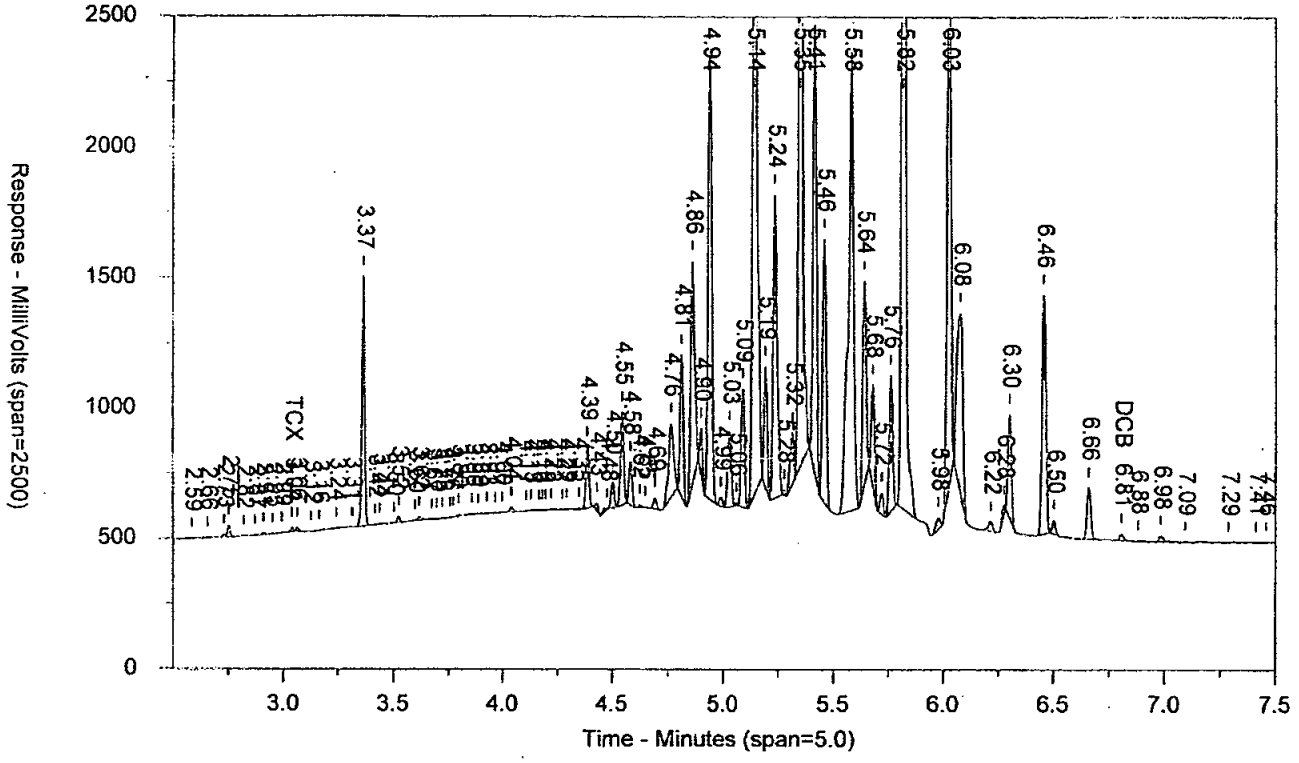
ASX67 0271

RT B	Compound B	Height B	Area B
4.922		13711250	14469510
4.98		1888570	1933979
5.019		4456592	4359268
5.058		16346090	16257000
5.091		11413230	10064640
5.132		7403899	7147597
5.203		80130	84465
5.238		2471184	3080782
5.29		10789410	10424460
5.316		1307155	917873
5.365		6159154	6560740
5.402		2580519	2143041
5.427		1776390	1544838
5.483		35096640	35565520
5.524		363612	254974
5.561		921165	876453
5.677		64479	84194
5.7		5818917	5813255
5.746		19391610	23434720
5.904		327264	428611
5.946		423203	374117
5.972		118553	88005
6.022		2720901	2806218
6.126		6199822	6204112
6.158		173284	131143
6.329		1088793	1181650
6.489	DCB	115743	130981
6.908		77173	111431
7.263		3457	3894
7.479		4525	3680
7.518		10870	14954
7.625		9809	45256
8.213		4598	3284
8.464		4062	4392
8.646		5698	6703

ASX67 8272

6706984 RI ACF DF500ADTS-40 T 121840016A 10736 SW-846 8082

\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\6p20188.0012.RAW



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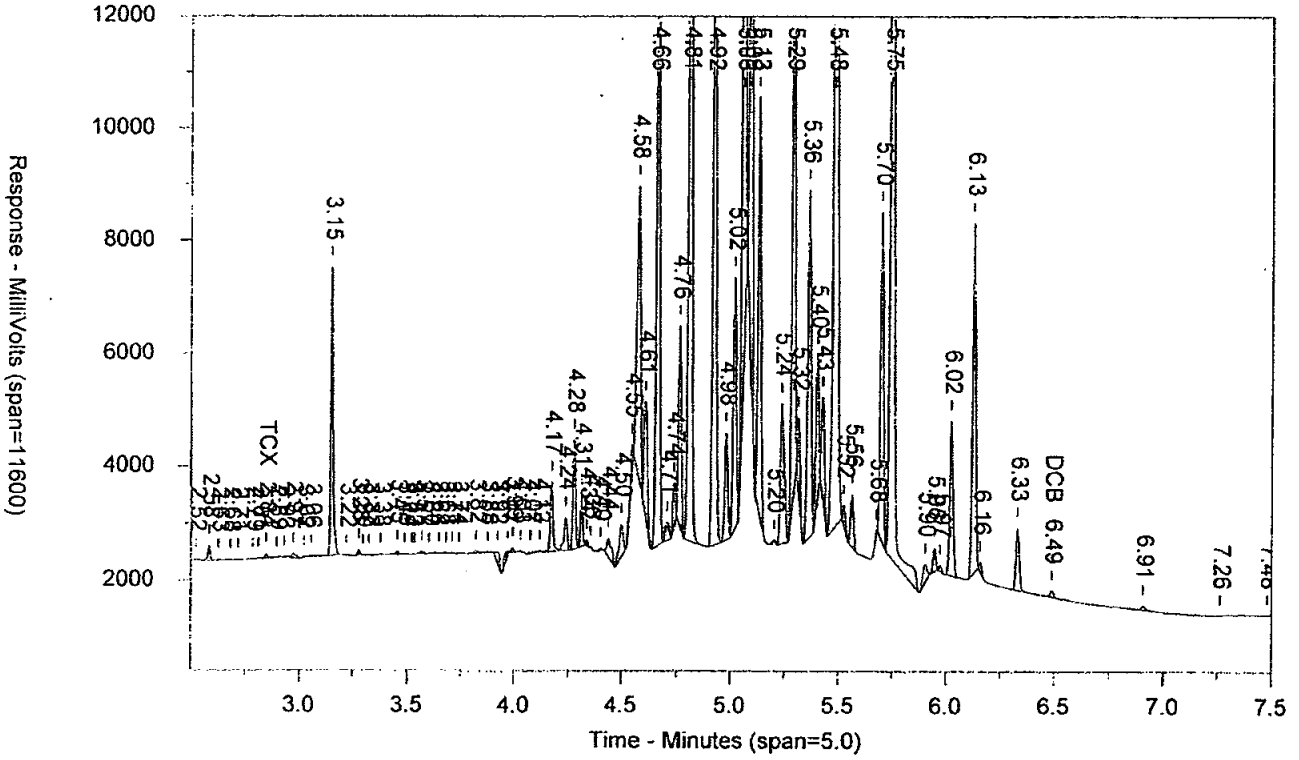

ASX67 8273

LANCASTER LABORATORIES

Sample Number: 6706984 RI ACF DF500ADTS-40 T 121840016A 10736 Sample Weight: 30SW-846 8082
Injected On: 7/11/2012 4:25:52 PM Dilution Factor: 5000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	16115	10.368	TCX	2.844	80734	8.967	TCX
6.806	26992	31.125	DCB	6.489	115743	18.37	DCB

Files:
Area File: 6p20188.0012.RAW
Area File: 6p20188B.0012.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 4:34:33 PM
File Reported On: 7/11/2012 at 4:34:42 PM

6706984 RI ACF DF500ADTS-40 T 121840016A 10736 SW-846 8082

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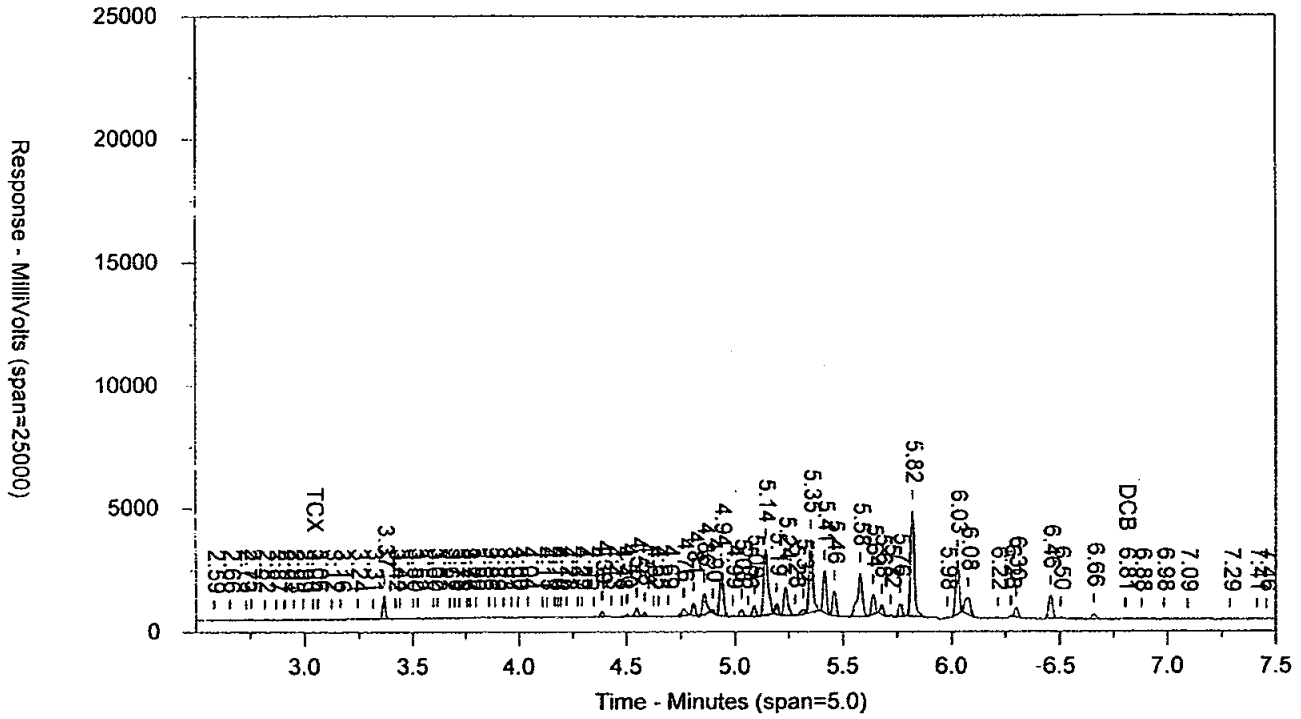

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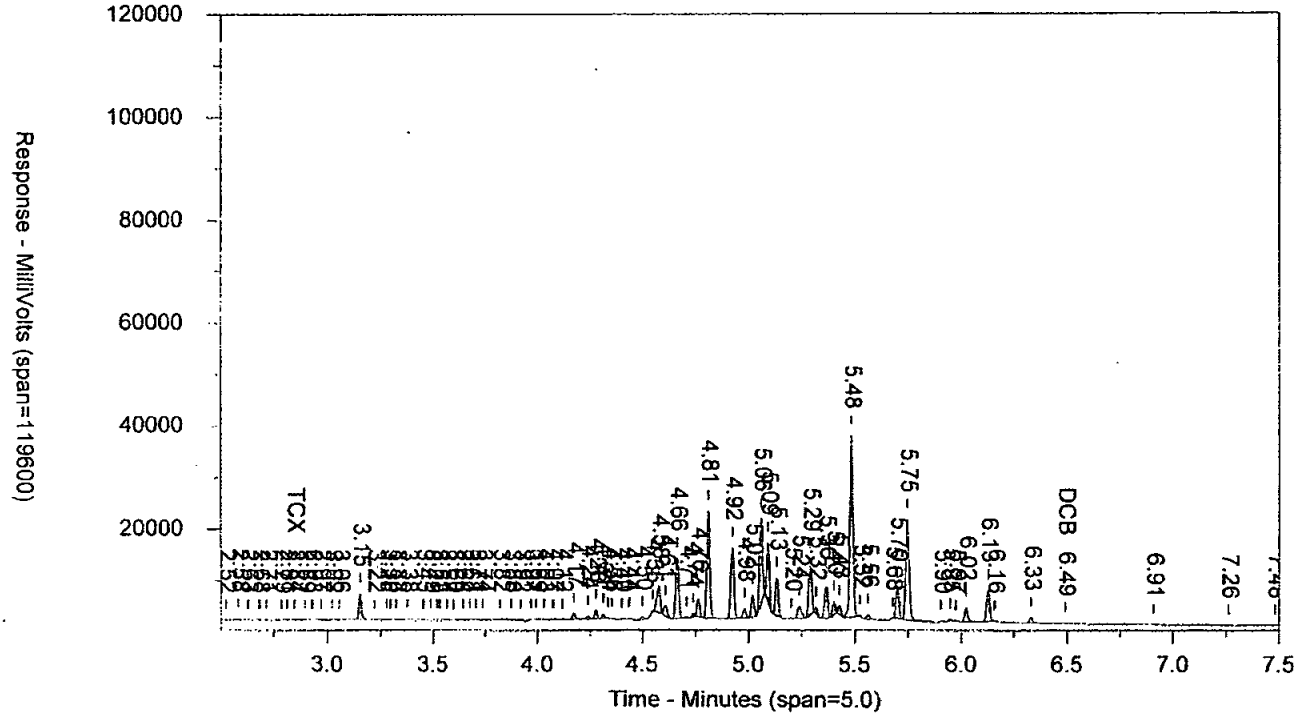

ASX67 0275

Data Summary

Sample Name: 6706985 RI ACF DF125 TS-41 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1250 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 11, 2012 16:37:16
Instrument	17342A
Result file	6P20188.0013.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 115% (33 - 143) Conc: 11.774289
%SSR(DCB) * 165% (24 - 164) Conc: 16.425129

Analysis Report (B)

Injected on	Jul 11, 2012 16:37:16
Instrument	17342B
Result file	6P20188B.0013.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 95% (33 - 143) Conc: 9.808911
%SSR(DCB) 119% (24 - 164) Conc: 11.814033

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	73206	11.774289
Decachlorobiphenyl	6.78	6.80	6.82	56977	16.425129

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	353248	9.808911
Decachlorobiphenyl	6.47	6.49	6.51	297743	11.814033

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	11.774289				18.21	
☑	Decachlorobiphenyl	A	16.425129				32.66	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.44**	
5.11	5.14	5.17	3053919.75	10563.659025			1
5.20	5.24	5.26	1315609.625	9592.520262			2
5.32	5.35	5.38	3680438.75	11644.257406			3
5.38	5.41	5.44	2077275	11822.396198			4
5.99	6.03	6.05	3168741.75	13423.503918			5
6.42	6.45	6.48	1303707.5	12097.602097			6

Height summation: **14599692.375**
Concentration CF: **11523.989818** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.13**	
4.78	4.81	4.84	23903404	10308.51411			1
4.89	4.92	4.95	16110084	9613.567293			2
5.03	5.06	5.09	21485094	12234.602442			3
5.26	5.29	5.32	14931044	11528.47428			4
5.45	5.48	5.51	50229540	13484.448622			5
6.10	6.13	6.16	8367035.5	11095.695449			6

Height summation: **135026201.5**
Concentration CF: **11377.550366** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑	Aroclor-1016			<2117.9402	<448.505			4	40	
☑	Aroclor-1221			<2117.9402	<573.0897			3	40	
☑	Aroclor-1232			<2117.9402	<996.6777			4	40	
☑	Aroclor-1242			<2117.9402	<411.1296			4	40	
☑	Aroclor-1248			<2117.9402	<411.1296			4	40	
☑	Aroclor-1254			<2117.9402	<411.1296			4	40	
☑	Aroclor-1260	A	11523.989818	2117.9402	610.4651		1.28	4	40	
☐	Aroclor-1262			<2117.9402	<411.1296			4	40	
☐	Aroclor-1268			<2117.9402	<411.1296			4	40	
☐	Total PCBs	A	11523.989818	2117.9402	411.1296		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders Chemist Verified by:

Date: JUL 12 2012 Date:

7/12/2012

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706985** RI ACF DF125 TS-41 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1250 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 16:37:16
Instrument : P 20--17342A
Result file : 6p20188.0013.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 115% (33-143) Conc.: 11.774289
%SSR(DCB) : *165% (24-164) Conc.: 16.425129

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	55.35	
3.27	3.32	3.33	1441.634766	12.805921			1
3.61	3.63	3.66	8061.415039	57.025459			2
+ 3.61	3.65	3.66	1437.150269	10.166224			2
3.83	3.86	3.89	5064.056152	30.869921			3
3.89	3.93	3.95	3202.131836	21.52035			4
+ 3.96	3.97	4.02	1491.88916	16.562947			5
3.96	4.00	4.02	5632.065918	62.527173			5
+ 4.09	4.10	4.15	3333.597168	32.734041			6
4.09	4.12	4.15	3030.965088	29.762365			6
Height Summation:			26432.268799				
Amount Avg CF:			35.751865	Linear:			
Aroclor-1221					3	85.29	
3.16	3.20	3.22	924.698608	15.552421			1
3.22	3.26	3.28	2456.101318	48.274986			2
3.27	3.32	3.33	1441.634766	9.52127			3
Height Summation:			4822.434692				
Amount Avg CF:			24.449559	Linear:			
Aroclor-1232					6	66.22	
3.27	3.32	3.33	1441.634766	9.090724			1
3.61	3.63	3.67	8061.415039	103.813709			2
+ 3.61	3.65	3.67	1437.150269	18.507408			2
3.83	3.86	3.89	5064.056152	55.715531			3
3.90	3.93	3.95	3202.131836	40.148027			4
+ 3.96	3.97	4.02	1491.88916	34.325059			5
3.96	4.00	4.02	5632.065918	129.581339			5
+ 4.10	4.10	4.16	3333.597168	63.468489			6
4.10	4.12	4.16	3030.965088	57.706665			6
Height Summation:			26432.268799				
Amount Avg CF:			66.009333	Linear:			
Aroclor-1242					6	57.18	
3.27	3.32	3.33	1441.634766	15.324251			1
3.61	3.63	3.67	8061.415039	68.991347			2
+ 3.61	3.65	3.67	1437.150269	12.299445			2
3.83	3.86	3.89	5064.056152	36.622678			3
3.90	3.93	3.96	3202.131836	26.762671			4
+ 3.97	3.97	4.03	1491.88916	20.909589			5
3.97	4.00	4.03	5632.065918	78.936281			5
+ 4.10	4.10	4.16	3333.597168	38.228137			6
4.10	4.12	4.16	3030.965088	34.757694			6
Height Summation:			26432.268799				
Amount Avg CF:			43.56582	Linear:			
Aroclor-1248					6	146.28	
+ 3.96	3.97	4.02	1491.88916	11.616207			1
3.96	4.00	4.02	5632.065918	43.852615			1
+ 4.09	4.10	4.15	3333.597168	22.514732			2
4.09	4.12	4.15	3030.965088	20.47079			2
4.19	4.22	4.25	6243.934082	47.304044			3
4.37	4.39	4.43	180201.2031	1560.174478			4
+ 4.37	4.43	4.43	18639.36914	161.378878			4
4.51	4.55	4.57	226444.5625	1694.388069			5
4.78	4.81	4.84	558542	5807.21513			6
Height Summation:			980094.730713				
Amount Avg CF:			1528.900854	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 16:37:16
Instrument : P 20--17342B
Result file : 6p20188B.0013.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 95% (33-143) Conc.: 9.808911
%SSR(DCB) : 119% (24-164) Conc.: 11.814033

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	155.54	
3.11	3.15	3.17	433818.25	746.733059			1
3.45	3.48	3.51	25589.77148	36.029112			2
3.65	3.67	3.70	13424.28808	16.650088			3
3.72	3.77	3.78	10268.58691	12.32098			4
3.79	3.82	3.85	40673.80468	78.161326			5
+ 3.79	3.84	3.85	7278.074707	13.986003			5
3.90	3.92	3.96	144870.2968	212.066169			6
Height Summation:			668644.998047				
Amount Avg CF:			183.660122	Linear:			
Aroclor-1221					3	129.79	
2.99	3.02	3.05	27251.49218	85.107703			1
+ 2.99	3.04	3.05	13072.69628	40.826651			1
3.05	3.09	3.11	5833.544434	25.137378			2
3.11	3.15	3.17	433818.25	538.398515			3
Height Summation:			466903.286622				
Amount Avg CF:			216.214532	Linear:			
Aroclor-1232					6	94.13	
3.11	3.15	3.17	433818.25	541.161439			1
3.45	3.48	3.51	25589.77148	67.974464			2
3.65	3.67	3.71	13424.28808	32.035242			3
3.72	3.77	3.78	10268.58691	23.965418			4
3.79	3.82	3.85	40673.80468	548.135195			5
+ 3.79	3.84	3.85	7278.074707	98.082019			5
3.90	3.92	3.96	144870.2968	458.054959			6
Height Summation:			668644.998047				
Amount Avg CF:			278.554453	Linear:			
Aroclor-1242					6	128.62	
3.11	3.15	3.17	433818.25	901.670392			1
3.45	3.48	3.51	25589.77148	45.130505			2
3.65	3.67	3.71	13424.28808	21.331366			3
3.72	3.77	3.78	10268.58691	15.703862			4
3.79	3.82	3.85	40673.80468	336.608488			5
+ 3.79	3.84	3.85	7278.074707	60.231929			5
3.90	3.92	3.96	144870.2968	268.8324			6
Height Summation:			668644.998047				
Amount Avg CF:			264.879502	Linear:			
Aroclor-1248					7	138.49	
3.79	3.82	3.85	40673.80468	61.183538			1
+ 3.79	3.84	3.85	7278.074707	10.948038			1
3.90	3.92	3.96	144870.2968	149.337366			2
4.14	4.17	4.20	890276.625	648.624851			3
4.47	4.50	4.53	491602.6875	1116.469661			4
+ 4.54	4.55	4.60	675213.125	1077.57898			5
4.54	4.58	4.60	6077444.5	9699.05087			5
+ 4.71	4.71	4.77	345290.3125	630.769744			6
4.71	4.74	4.77	543321.75	992.52979			6
4.71	4.76	4.77	4764579	8703.841866			6
Height Summation:			12952768.664063				
Amount Avg CF:			3053.00542	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706985** RI ACF DF125 TS-41 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1250 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 16:37:16
Instrument : P 20--17342A
Result file : 6p20188.0013.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**120.05**	
4.51	4.55	4.58	226444.5625	920.797468			1
4.72	4.76	4.78	318085.25	2006.373109			2
4.78	4.81	4.84	558542	1848.163494			3
5.00	5.03	5.06	274520.25	1148.051541			4
5.20	5.24	5.26	1315609.625	7043.870064			5
5.32	5.35	5.38	3680438.75	15278.486479			6
Height Summation:			**6373640.437500**				
Amount Avg CF:			**4707.623693**	Linear:			
Aroclor-1260					**6**	**11.44**	
5.11	5.14	5.17	3053919.75	10563.659025			1
5.20	5.24	5.26	1315609.625	9592.520262			2
5.32	5.35	5.38	3680438.75	11644.257406			3
5.38	5.41	5.44	2077275	11822.396198			4
5.99	6.03	6.05	3168741.75	13423.503918			5
6.42	6.45	6.48	1303707.5	12097.602097			6
Height Summation:			**14598692.375000**				
Amount Avg CF:			**11523.989818**	Linear:			
Aroclor-1262					**6**	**25.42**	
E 5.11	5.14	5.17	3053919.75	12779.425164			1
5.38	5.41	5.44	2077275	6677.03631			2
E 5.55	5.58	5.61	2254996.25	10489.178681			3
E 5.79	5.82	5.85	6029967.5	10291.118167			4
E 5.99	6.03	6.05	3168741.75	9693.246361			5
6.43	6.45	6.49	1303707.5	6609.509922			6
Height Summation:			**17888607.750000**				
Amount Avg CF:			**9423.252434**	Linear:			
Aroclor-1268					**6**	**117.30**	
5.99	6.03	6.05	3168741.75	4978.856225			1
6.05	6.07	6.11	873223	1591.513093			2
6.18	6.21	6.24	52847.40625	106.20887			3
6.25	6.27	6.31	56255.23437!	415.325466			4
+ 6.25	6.30	6.31	517406.8125	3819.950768			4
6.43	6.45	6.49	1303707.5	5746.539479			5
6.63	6.66	6.69	244767.6875	171.620578			6
Height Summation:			**5699542.578125**				
Amount Avg CF:			**2168.343952**	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 16:37:16
Instrument : P 20--17342B
Result file : 6p20188B.0013.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**7**	**132.45**	
4.47	4.50	4.53	491602.6875	444.415455			1
+ 4.54	4.55	4.60	675213.125	359.221925			2
4.54	4.58	4.60	6077444.5	3233.277366			2
+ 4.71	4.71	4.77	345290.3125	222.468654			3
4.71	4.74	4.77	543321.75	350.059223			3
4.71	4.76	4.77	4764579	3069.792109			3
4.78	4.81	4.84	23903404	24046.846716			4
4.95	4.98	5.01	2146144.75	2159.022281			5
5.03	5.06	5.09	21485094	13800.646082			6
Height Summation:			**59411590.687500**				
Amount Avg CF:			**6729.151319**	Linear:			
Aroclor-1260					**6**	**12.13**	
4.78	4.81	4.84	23903404	10308.51411			1
4.89	4.92	4.95	16110084	9613.567293			2
5.03	5.06	5.09	21485094	12234.602442			3
5.26	5.29	5.32	14931044	11528.47428			4
+ 5.26	5.32	5.32	1652145.625	1275.64545			4
5.45	5.48	5.51	50229540	13484.448622			5
6.10	6.13	6.16	8367035.5	11095.695449			6
Height Summation:			**135026201.500000**				
Amount Avg CF:			**11377.550366**	Linear:			
Aroclor-1262					**6**	**35.15**	
E 4.89	4.92	4.95	16110084	11070.012847			1
5.06	5.09	5.12	14997487	5812.108648			2
5.26	5.29	5.32	14931044	7396.091291			3
+ 5.26	5.32	5.32	1652145.625	818.390185			3
E 5.45	5.48	5.51	50229540	9947.109873			4
5.67	5.70	5.73	7781350.5	4310.849233			5
6.10	6.13	6.16	8367035.5	5985.205316			6
Height Summation:			**112416541.000000**				
Amount Avg CF:			**7420.229535**	Linear:			
Aroclor-1268					**7**	**139.66**	
5.67	5.70	5.73	7781350.5	1342.346836			1
5.72	5.75	5.78	27356712	5494.881975			2
5.87	5.90	5.93	459601.5	138.341828			3
+ 5.94	5.94	6.00	654679.75	742.948456			4
5.94	5.97	6.00	106672.9140!	121.055336			4
5.94	5.99	6.00	19843.01757!	22.518398			4
6.10	6.13	6.16	8367035.5	5128.205815			5
6.30	6.33	6.36	1320257	115.978821			6
Height Summation:			**45411472.431641**				
Amount Avg CF:			**1766.189858**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2117.9402	448.505		** 134.82	4	40	
Aroclor-1221			2117.9402	573.0897		** 159.36	3	40	
Aroclor-1232			2117.9402	996.6777		** 123.37	4	40	
Aroclor-1242			2117.9402	411.1296		** 143.50	4	40	
Aroclor-1248			2117.9402	411.1296		** 66.53	4	40	
Aroclor-1254			2117.9402	411.1296		35.35	4	40	
Aroclor-1260			2117.9402	610.4651		1.28	4	40	
Aroclor-1262			2117.9402	411.1296	E	23.78	4	40	

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: 6706985 RI ACF DF125 TS-41 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1250 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	: JUL 11, 2012 16:37:16
Instrument	: P 20--17342A
Result file	: 6p20188.0013.RAW
Calibration file	: 2p20188.CAL
Method file	: PESTDI20.MET

Analysis Report (B)

Injected on	: JUL 11, 2012 16:37:16
Instrument	: P 20--17342B
Result file	: 6p20188B.0013.RAW
Calibration file	: 2P20188b.CAL
Method file	: PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			2117.9402	411.1296		20.44	4	40	
Total PCBs			2117.9402	411.1296					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706985 RI ACF DF125ADTS-41 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 4:37:16 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0013.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.553		1626	3701
2.589		4560	8223
2.646		4151	2960
2.702		3831	4044
2.732		8476	7306
2.753		39781	34432
2.792		2341	1292
2.841		2437	6221
2.865		3003	2175
2.91		9261	6471
2.954		2238	2044
2.994		4215	6925
3.038	TCX	73206	52802
3.06		13534	9510
3.095		2157	866
3.128		3955	3990
3.155		4078	3854
3.202		925	844
3.264		2456	5290
3.322		1442	1544
3.365		94104	102649
3.413		1288	986
3.438		2875	3307
3.485		1546	1944
3.52		4068	2686
3.627		8061	23183
3.65		1437	437
3.688		3521	6233
3.732		2573	3026
3.797		10929	8265
3.828		1951	1183
3.861		5064	6571
3.925		3202	2665
3.973		1492	1414
3.996		5632	5155
4.038		21799	24197
4.103		3334	2941
4.125		3031	2987
4.224		6244	6581
4.29		2509	1755
4.35		3142	3689
4.386		180201	179180
4.427		18639	15244
4.468		13671	21481
4.501		65938	63529
4.546		226445	240624
4.582		60564	56780
4.623		11679	9353
4.65		7174	7104
4.691		45351	45184
4.762		318085	411192
4.81		558542	594653
4.858		975600	1268885
4.896		151098	115046

ASX67 8288

RT A	Compound A	Height A	Area A
4.937		2083173	2368841
4.987		12902	10451
5.029		274520	352059
5.061		11016	5243
5.09		593526	657732
5.143		3053920	4328813
5.193		530926	520475
5.235		1315610	1686311
5.28		17800	8346
5.315		283747	343051
5.35		3680439	4623554
5.415		2077275	2300994
5.457		1388651	1567398
5.581		2254996	3698286
5.639		1125277	1197338
5.678		580726	627206
5.719		106378	105893
5.762		638277	694450
5.819		6029968	7310608
5.905		18524	44783
5.976		41359	58667
6.026		3168742	3538509
6.074		873223	1674343
6.21		52847	100766
6.273		56255	48115
6.298		517407	549670
6.454		1303708	1529233
6.501		68604	76179
6.657		244768	310088
6.805	DCB	56977	77412
6.885		6906	11069
6.983		28948	47835
7.228		1113	1048
7.506		1381	1114
7.537		1537	2351
7.611		1611	907
7.74		845	1814
7.904		1032	874
7.959		1812	587
8.07		1303	445
8.088		1749	1526
8.152		1280	1310
8.217		1285	1001
8.36		1315	980
8.412		1203	1479
8.442		1529	962
8.602		1016	1875

ASX67 8281

LANCASTER LABORATORIES

Sample Number: 6706985 RI ACF DF125ADTS-41 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 4:37:16 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0013.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.525		24071	29124
2.562		12219	4554
2.583		229293	197955
2.627		30021	14258
2.647		15627	9326
2.667		8487	4237
2.708		17787	17805
2.761		22438	26506
2.794		11002	4526
2.817		11371	7107
2.845	TCX	353248	262204
2.899		21406	25767
2.929		25545	28646
2.97		59065	71508
3.017		27251	20913
3.043		13073	7412
3.086		5834	2273
3.152		433818	468442
3.202		11735	20720
3.271		11554	8140
3.298		14724	12144
3.322		10860	7882
3.372		12146	24664
3.393		5731	2284
3.481		25590	59307
3.528		33441	26166
3.565		68903	76863
3.625		12094	18804
3.671		13424	14735
3.709		16990	18463
3.773		10269	4616
3.822		40674	42028
3.845		7278	2821
3.888		15389	17273
3.923		144870	149630
3.968		117600	271982
3.992		91575	67568
4.028		37644	56401
4.073		30856	41266
4.142		18325	9013
4.172		890277	799764
4.222		37384	17746
4.239		319705	244509
4.278		1213682	1014397
4.313		319643	262012
4.339		53803	33639
4.354		26082	16448
4.405		51763	49719
4.438		329848	534032
4.499		491603	633688
4.548		675213	460669
4.577		6077445	6244695
4.607		2198638	2432356
4.663		13659390	13117700

ASX67 B282

RT B	Compound B	Height B	Area B
4.711		345290	323590
4.738		543322	354296
4.763		4764579	4225602
4.809		23903400	23236450
4.922		16110080	16973990
4.98		2146145	2213545
5.019		5881801	5691924
5.059		21485090	21431450
5.091		14997490	13156180
5.132		9964654	9768162
5.201		104428	132975
5.238		3167631	3940468
5.291		14931040	13922760
5.316		1652146	1234120
5.365		8897498	9204911
5.402		3601161	3049052
5.427		2570666	2244145
5.483		50229540	50484460
5.524		555666	456026
5.561		1177750	1105499
5.62		46931	33982
5.699		7781351	8436478
5.746		27356710	33580010
5.903		459602	543456
5.945		654680	592294
5.971		106673	73320
5.994		19843	10054
6.022		3669537	3712547
6.126		8367036	8496501
6.158		241773	183716
6.329		1320257	1485099
6.491	DCB	297743	324319
6.679		33070	33829
6.905		103156	158107
7.144		10942	22480
7.347		4806	4218
7.41		8481	17615
7.509		9425	27479
7.933		4631	2098
7.989		3837	4647
8.202		3489	21050
8.416		5992	3723
8.575		6323	3523

ASX67 0283

6706985 RI ACF DF125ADTS-41 T 121840016A 10736 SW-846 8082

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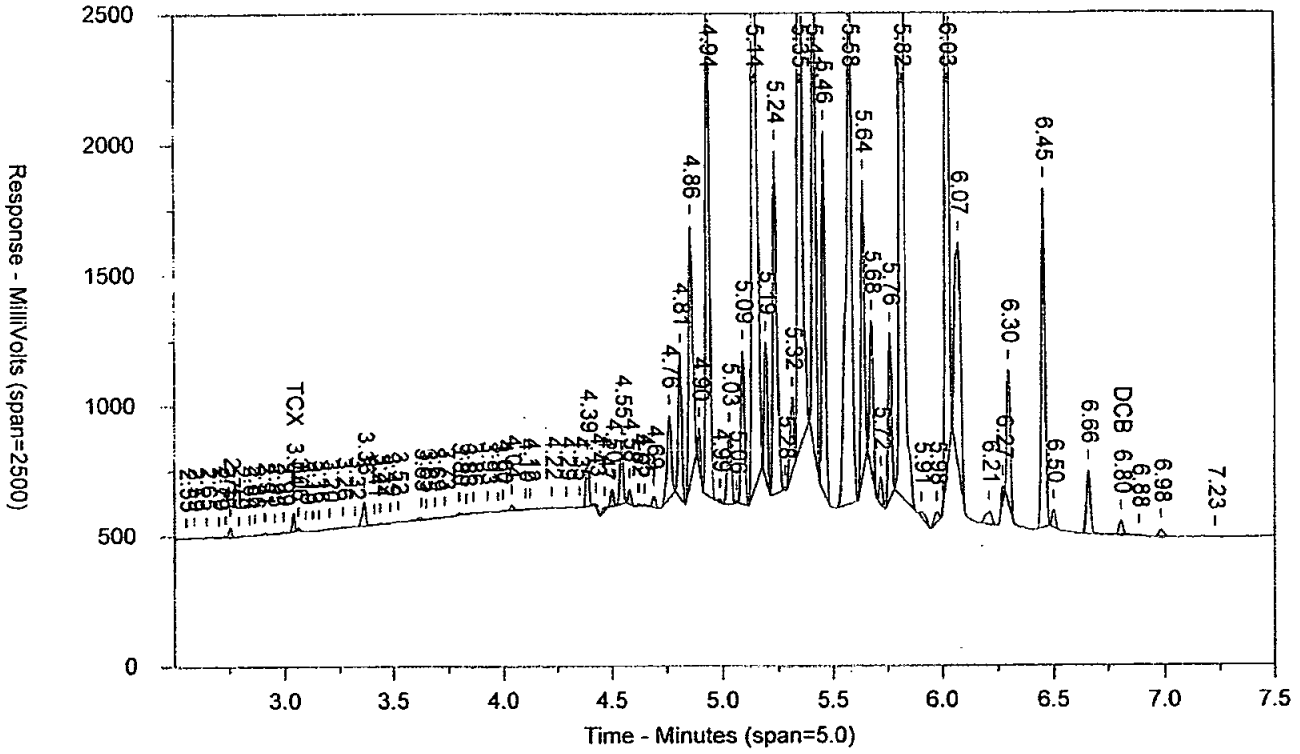

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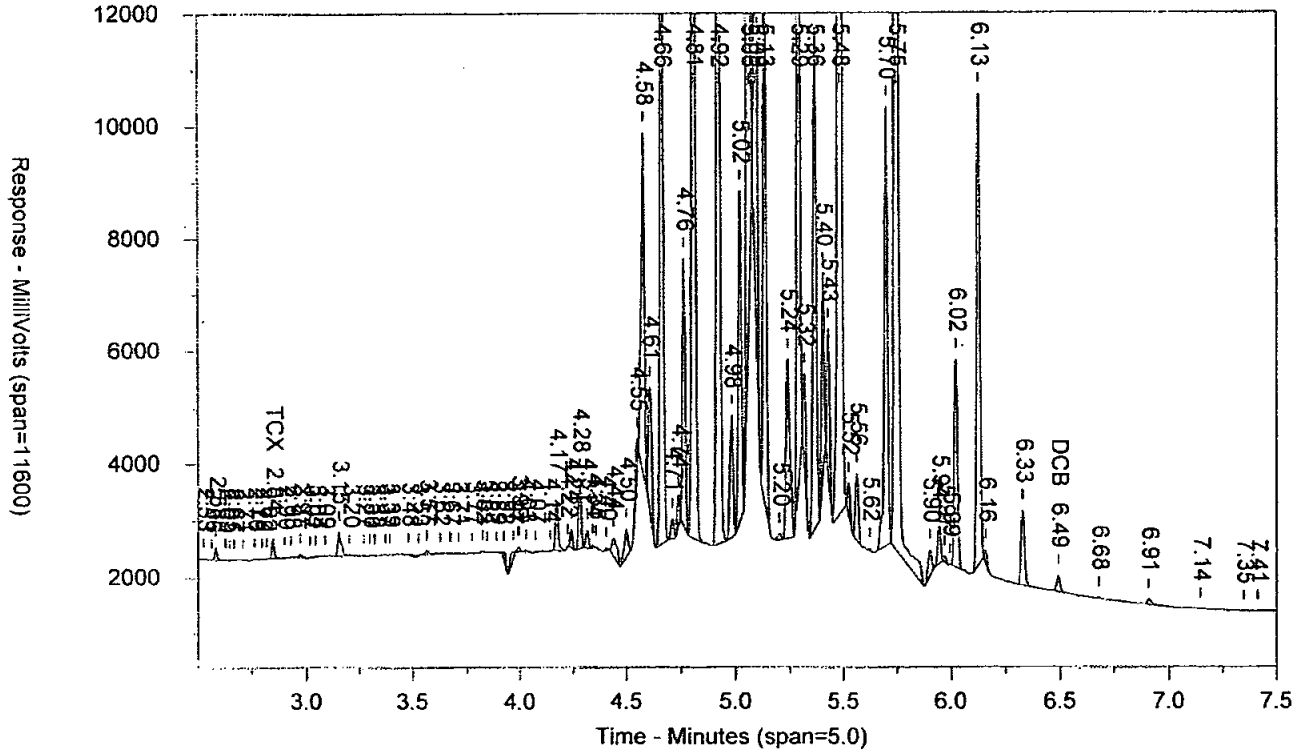

ASX67 8284

LANCASTER LABORATORIES

Sample Number: 6706985 RI ACF DF125ADTS-41 T 121840016A 10736 Sample Weight: 30SW-846 8082
Injected On: 7/11/2012 4:37:16 PM Dilution Factor: 1250
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	73206	11.774	TCX	2.845	353248	9.809	TCX
6.805	56977	16.425	DCB	6.491	297743	11.814	DCB

Files:
Area File: 6p20188.0013.RAW
Area File: 6p20188B.0013.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 4:45:59 PM
File Reported On: 7/11/2012 at 4:46:06 PM

ASX67 8285

6706985 RI ACF DF125ADTS-41 T 121840016A 10736 SW-846 8082

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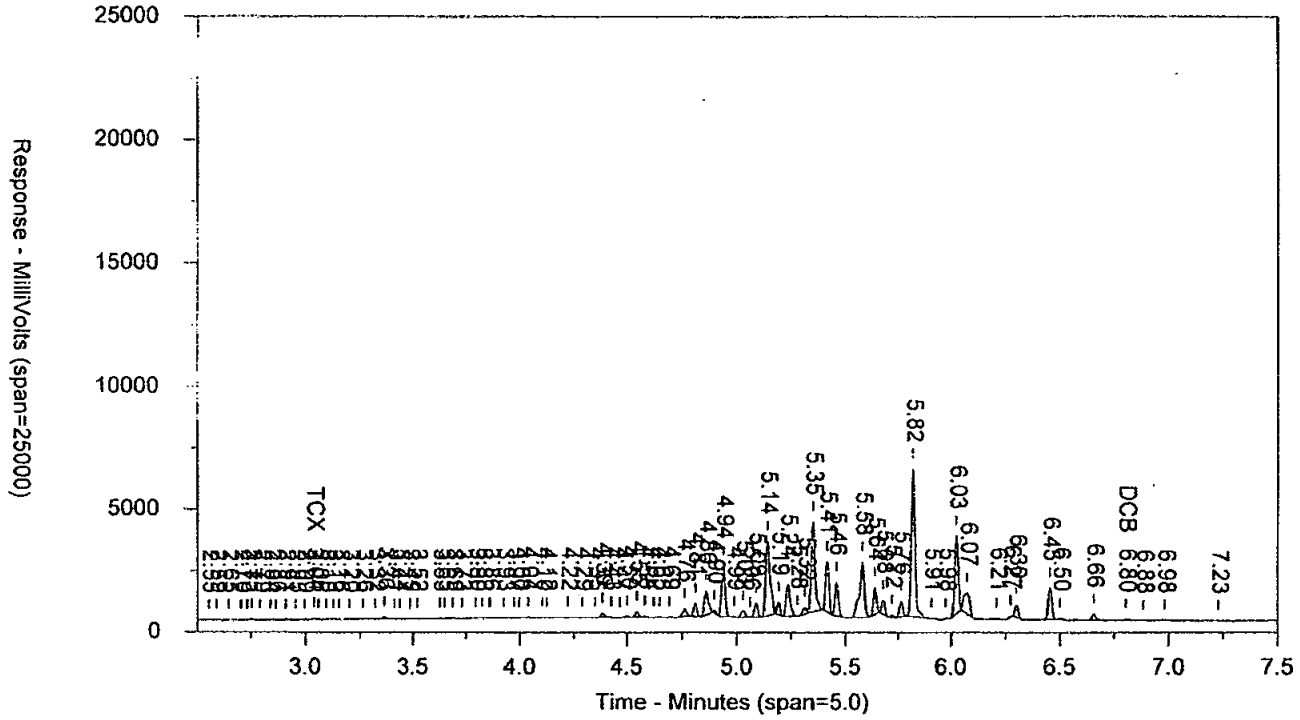

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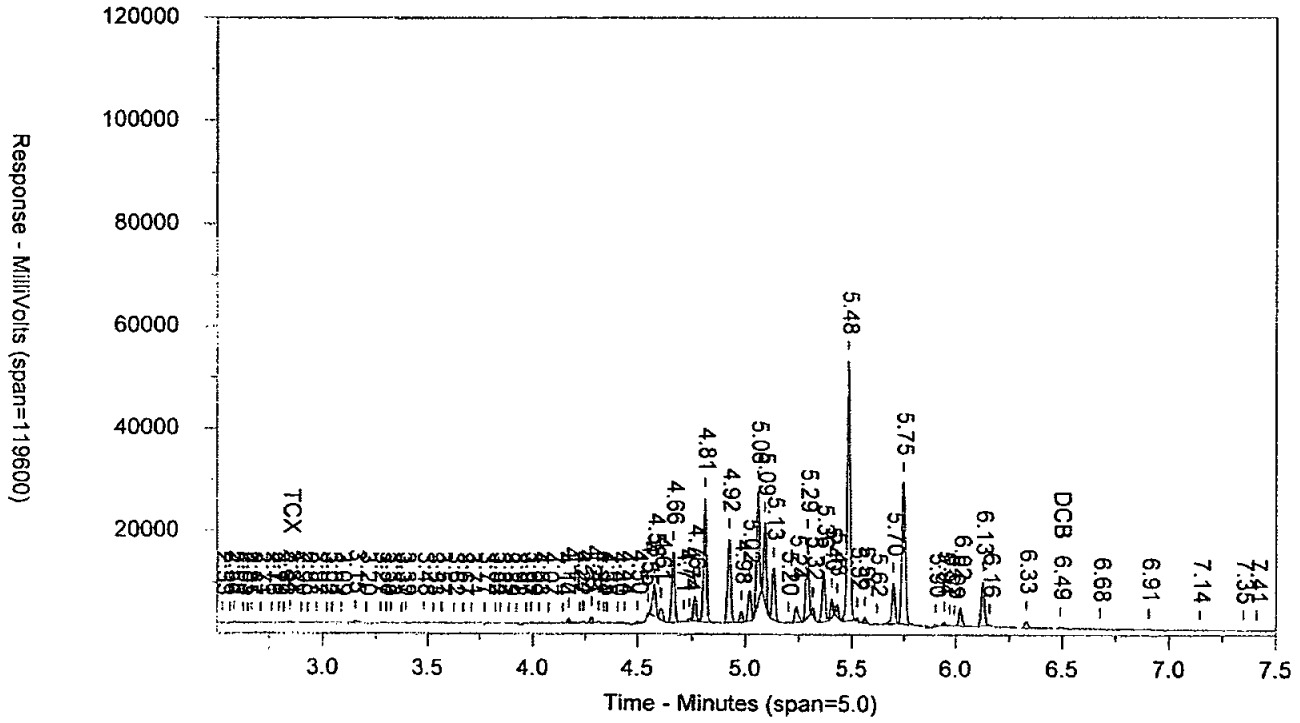

ASX67 0286

Data Summary

Sample Name: 6706986 ACF DF500 TS-42 Sample ID: AE **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 11, 2012 16:50:11
Instrument	17342A
Result file	6P20188.0014.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 99% (33 - 143) Conc: 10.144519
%SSR(DCB) 297% (24 - 164) Conc: 29.431164

Analysis Report (B)

Injected on	Jul 11, 2012 16:50:11
Instrument	17342B
Result file	6P20188B.0014.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 58% (33 - 143) Conc: 5.923652
%SSR(DCB) 153% (24 - 164) Conc: 15.192052

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	15873	10.144519	Tetrachloro-m-xylene	2.82	2.84	2.86	53686	5.923652
Decachlorobiphenyl	6.78	6:82	6.82	25693	29.431164	Decachlorobiphenyl	6.47	6.50	6.51	96356	15.192052

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	10.144519				52.54	
☑	Decachlorobiphenyl	A	29.431164				63.82	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.27**	
5.11	5.15	5.17	3517038.5	48341.235864			1
5.20	5.25	5.26	1818568.375	52688.907093			2
5.32	5.36	5.38	3886536.25	48860.600282			3
5.38	5.42	5.44	1814003.25	41023.56975			4
5.99	6.04	6.05	2671313.75	44966.369023			5
6.42	6.47	6.48	1104274.875	40717.414753			6

Height summation: **14811735**
Concentration CF: **46099.682794** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.71**	
4.78	4.82	4.84	22940260	39311.40144			1
4.89	4.93	4.95	13902926	32966.804272			2
5.03	5.07	5.09	19089316	43194.340108			3
5.26	5.30	5.32	10273249	31519.066537			4
5.45	5.49	5.51	37129968	39607.9568			5
6.10	6.14	6.16	6353365	33478.854906			6

Height summation: **109689084**
Concentration CF: **36679.737344** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑	Aroclor-1016			<8415.8415	<1782.1782			4	40	
☑	Aroclor-1221			<8415.8415	<2277.2277			3	40	
☑	Aroclor-1232			<8415.8415	<3960.396			4	40	
☑	Aroclor-1242			<8415.8415	<1633.6633			4	40	
☑	Aroclor-1248			<8415.8415	<1633.6633			4	40	
☑	Aroclor-1254			<8415.8415	<1633.6633			4	40	
☑	Aroclor-1260	A	46099.682794	8415.8415	2425.7425		22.76	4	40	
☐	Aroclor-1262			<8415.8415	<1633.6633			4	40	
☐	Aroclor-1268			<8415.8415	<1633.6633			4	40	
☐	Total PCBs	A	46099.682794	8415.8415	1633.6633		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders
Chemist
Date: JUL 12 2012

Verified by:
Date:

7/12/2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706986** ACF DF500 TS-42 Sample ID: AE **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 16:50:11
Instrument : P 20--17342A
Result file : 6p20188.0014.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 99% (33-143) Conc.: 10.144519
%SSR(DCB) : *297% (24-164) Conc.: 29.431164

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	91.29	
3.27	3.29	3.33	15162.62207	535.197098			1
3.61	3.63	3.66	19104.56640	537.00529			2
+ 3.83	3.83	3.89	13139.78710	318.279893			3
3.83	3.87	3.89	12877.83691	311.934777			3
+ 3.89	3.91	3.95	1912.678955	51.078258			4
3.89	3.94	3.95	11414.07421	304.813847			4
+ 3.96	3.98	4.02	4417.561523	194.880122			5
3.96	4.01	4.02	55100.46875	2430.749639			5
+ 4.09	4.11	4.15	3592.800293	140.185616			6
4.09	4.14	4.15	39149.67187	1527.560799			6
Height Summation:			152809.240234				
Amount Avg CF:			941.210242	Linear:			
Aroclor-1221					3	52.23	
3.16	3.21	3.22	2086.727783	139.459298			1
3.22	3.24	3.28	2833.358398	221.289733			2
+ 3.22	3.26	3.28	2990.59668	233.570289			2
3.27	3.29	3.33	15162.62207	397.921863			3
Height Summation:			20082.708251				
Amount Avg CF:			252.890298	Linear:			
Aroclor-1232					6	107.19	
3.27	3.29	3.33	15162.62207	379.928091			1
3.61	3.63	3.67	19104.56640	977.607408			2
+ 3.83	3.83	3.89	13139.78710	574.446994			3
3.83	3.87	3.89	12877.83691	562.99502			3
+ 3.90	3.91	3.95	1912.678955	95.290795			4
3.90	3.94	3.95	11414.07421	568.655917			4
+ 3.96	3.98	4.02	4417.561523	403.869644			5
3.96	4.01	4.02	55100.46875	5037.48654			5
+ 4.10	4.11	4.16	3592.800293	271.807848			6
4.10	4.14	4.16	39149.67187	2961.808949			6
Height Summation:			152809.240234				
Amount Avg CF:			1748.080321	Linear:			
Aroclor-1242					6	93.73	
3.27	3.29	3.33	15162.62207	640.445515			1
3.61	3.63	3.67	19104.56640	649.687336			2
3.83	3.87	3.89	12877.83691	370.065316			3
+ 3.90	3.91	3.96	1912.678955	63.520836			4
3.90	3.94	3.96	11414.07421	379.065987			4
+ 3.97	3.98	4.03	4417.561523	246.022832			5
3.97	4.01	4.03	55100.46875	3068.655255			5
+ 4.10	4.11	4.16	3592.800293	163.714433			6
4.10	4.14	4.16	39149.67187	1783.947287			6
Height Summation:			152809.240234				
Amount Avg CF:			1148.644449	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 16:50:11
Instrument : P 20--17342B
Result file : 6p20188B.0014.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 58% (33-143) Conc.: 5.923652
%SSR(DCB) : 153% (24-164) Conc.: 15.192052

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					8	78.57	
3.11	3.15	3.17	221511.1718	1515.085241			1
+ 3.45	3.45	3.51	19758.56445	110.541768			2
3.45	3.48	3.51	119921.4375	670.915528			2
+ 3.65	3.65	3.70	88371.65625	435.534083			3
3.65	3.68	3.70	35720.77343	176.047558			3
3.65	3.70	3.70	14587.44335	71.893286			3
+ 3.72	3.74	3.78	22338.34179	106.504847			4
3.72	3.76	3.78	44398.60937	211.683891			4
3.79	3.80	3.85	212822.4375	1625.093691			5
3.79	3.82	3.85	131866.2187	1006.91902			5
+ 3.79	3.84	3.85	30832.50781	235.434358			5
3.90	3.93	3.96	292810.4375	1703.187524			6
Height Summation:			1073638.529297				
Amount Avg CF:			872.603217	Linear:			
Aroclor-1221					3	51.90	
2.99	3.01	3.05	29255.08984	363.047867			1
+ 2.99	3.04	3.05	47953.55859	595.09088			1
3.05	3.08	3.11	38739.44921	663.322574			2
3.11	3.15	3.17	221511.1718	1092.384534			3
Height Summation:			289505.710938				
Amount Avg CF:			706.251658	Linear:			
Aroclor-1232					8	128.16	
3.11	3.15	3.17	221511.1718	1097.990373			1
3.45	3.48	3.51	119921.4375	1265.785396			2
+ 3.65	3.65	3.71	88371.65625	837.979914			3
3.65	3.68	3.71	35720.77343	338.720489			3
3.65	3.70	3.71	14587.44335	138.324719			3
+ 3.72	3.74	3.78	22338.34179	207.161539			4
3.72	3.76	3.78	44398.60937	411.744271			4
3.79	3.80	3.85	212822.4375	11396.570331			5
3.79	3.82	3.85	131866.2187	7061.3919			5
+ 3.79	3.84	3.85	30832.50781	1651.070479			5
3.90	3.93	3.96	292810.4375	3678.82107			6
Height Summation:			1073638.529297				
Amount Avg CF:			3173.668569	Linear:			
Aroclor-1242					8	116.36	
3.11	3.15	3.17	221511.1718	1829.445594			1
3.45	3.48	3.51	119921.4375	840.396979			2
+ 3.65	3.65	3.71	88371.65625	557.987253			3
3.65	3.68	3.71	35720.77343	225.544446			3
3.65	3.70	3.71	14587.44335	92.10654			3
+ 3.72	3.74	3.78	22338.34179	135.74711			4
3.72	3.76	3.78	44398.60937	269.804401			4
3.79	3.80	3.85	212822.4375	6998.60608			5
3.79	3.82	3.85	131866.2187	4336.383565			5
+ 3.79	3.84	3.85	30832.50781	1013.918359			5
3.90	3.93	3.96	292810.4375	2159.099641			6
Height Summation:			1073638.529297				
Amount Avg CF:			2093.923406	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706986** ACF DF500 TS-42 Sample ID: AE **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 16:50:11
Instrument : P 20--17342A
Result file : 6p20188.0014.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	110.62	
+ 3.96	3.98	4.02	4417.561523	136.676625			1
3.96	4.01	4.02	55100.46875	1704.774465			1
+ 4.09	4.11	4.15	3592.800293	96.420773			2
4.09	4.14	4.15	39149.67187	1050.66837			2
+ 4.19	4.19	4.25	10197.26464	306.978194			3
4.19	4.23	4.25	38803.80078	1168.148625			3
4.37	4.40	4.43	458140.75	15761.526565			4
+ 4.37	4.42	4.43	67069.96875	2307.424289			4
+ 4.51	4.51	4.57	157571.25	4685.024228			5
4.51	4.56	4.57	887781	26396.157258			5
4.78	4.82	4.84	900747.1875	37213.358484			6
Height Summation:			2379722.878906				
Amount Avg CF:			13882.438961	Linear:			
Aroclor-1254					6	93.33	
4.51	4.56	4.58	887781	14344.715484			1
4.72	4.76	4.78	98543.50781	2469.903911			2
+ 4.72	4.77	4.78	94105.75781	2358.675721			2
4.78	4.82	4.84	900747.1875	11843.262063			3
5.00	5.04	5.06	918710	15266.845708			4
5.20	5.25	5.26	1818568.375	38689.917276			5
+ 5.32	5.33	5.38	261898.5781	4320.139324			6
5.32	5.36	5.38	3886536.25	64110.230025			6
Height Summation:			8510886.320313				
Amount Avg CF:			24454.145745	Linear:			
Aroclor-1260					6	10.27	
5.11	5.15	5.17	3517038.5	48341.235864			1
+ 5.20	5.20	5.26	449394.9375	13020.202284			2
5.20	5.25	5.26	1818568.375	52688.907093			2
+ 5.32	5.33	5.38	261898.5781	3292.526022			3
5.32	5.36	5.38	3886536.25	48860.600282			3
5.38	5.42	5.44	1814003.25	41023.56975			4
5.99	6.04	6.05	2671313.75	44966.369023			5
6.42	6.47	6.48	1104274.875	40717.414753			6
Height Summation:			14811735.000000				
Amount Avg CF:			46099.682794	Linear:			
Aroclor-1262					6	37.60	
E 5.11	5.15	5.17	3517038.5	58480.986994			1
5.38	5.42	5.44	1814003.25	23169.234069			2
E 5.55	5.59	5.61	2013502.125	37216.165524			3
E 5.79	5.83	5.85	5409340.5	36683.924084			4
5.99	6.04	6.05	2671313.75	32470.664559			5
6.43	6.47	6.49	1104274.875	22245.909119			6
Height Summation:			16529473.000000				
Amount Avg CF:			35044.480725	Linear:			
Aroclor-1268					6	116.00	
5.99	6.04	6.05	2671313.75	16678.289639			1
6.05	6.08	6.11	767824.5625	5560.718666			2
6.18	6.22	6.24	34732.21093	277.366121			3
6.25	6.28	6.31	56652.15625	1661.980562			4
6.43	6.47	6.49	1104274.875	19341.372736			5
6.63	6.67	6.69	193226.3125	538.350865			6
Height Summation:			4828023.867188				
Amount Avg CF:			7343.013098	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 16:50:11
Instrument : P 20--17342B
Result file : 6p20188B.0014.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	123.34	
3.79	3.80	3.85	212822.4375	1272.099474			1
3.79	3.82	3.85	131866.2187	788.20142			1
+ 3.79	3.84	3.85	30832.50781	184.294558			1
3.90	3.93	3.96	292810.4375	1199.387628			2
+ 4.14	4.16	4.20	253270.1875	733.223807			3
4.14	4.18	4.20	2986964.25	8647.339509			3
4.47	4.51	4.53	1759498	15878.348434			4
4.54	4.56	4.60	303277.0312	1923.231788			5
+ 4.54	4.59	4.60	4873106.5	30902.81281			5
+ 4.71	4.71	4.77	491811.6875	3570.007905			6
4.71	4.75	4.77	3679104.5	26706.222079			6
Height Summation:			9366342.875000				
Amount Avg CF:			8059.261476	Linear:			
Aroclor-1254					6	124.22	
4.47	4.51	4.53	1759498	6320.443534			1
4.54	4.56	4.60	303277.0312	641.128899			2
+ 4.54	4.59	4.60	4873106.5	10301.767313			2
+ 4.71	4.71	4.77	491811.6875	1259.120083			3
4.71	4.75	4.77	3679104.5	9419.122161			3
4.78	4.82	4.84	22940260	91702.376742			4
4.95	4.99	5.01	3485905.75	13934.700136			5
5.03	5.07	5.09	19089316	48723.266933			6
Height Summation:			51257361.281250				
Amount Avg CF:			28456.839734	Linear:			
Aroclor-1260					6	12.71	
4.78	4.82	4.84	22940260	39311.40144			1
4.89	4.93	4.95	13902926	32966.804272			2
+ 5.03	5.03	5.09	4321458	9778.3769			3
5.03	5.07	5.09	19089316	43194.340108			3
5.26	5.30	5.32	10273249	31519.066537			4
5.45	5.49	5.51	37129968	39607.9568			5
6.10	6.14	6.16	6353365	33478.854906			6
Height Summation:			109689084.000000				
Amount Avg CF:			36679.737344	Linear:			
Aroclor-1262					6	44.21	
E 4.89	4.93	4.95	13902926	37961.241203			1
+ 5.06	5.07	5.12	19089316	29396.083342			2
5.06	5.10	5.12	10112728	15572.825925			2
5.26	5.30	5.32	10273249	20221.053353			3
5.45	5.49	5.51	37129968	29217.70917			4
5.67	5.71	5.73	5226944.5	11506.403981			5
6.10	6.14	6.16	6353365	18059.059145			6
Height Summation:			82999180.500000				
Amount Avg CF:			22089.715463	Linear:			
Aroclor-1268					6	128.55	
5.67	5.71	5.73	5226944.5	3582.956431			1
5.72	5.76	5.78	21574590	17219.514172			2
5.87	5.91	5.93	266172.375	318.360315			3
+ 5.94	5.95	6.00	575162.3125	2593.606408			4
5.94	5.98	6.00	65750.45312	296.491604			4
6.10	6.14	6.16	6353365	15473.248991			5
6.30	6.34	6.36	968155.5625	337.947493			6
Height Summation:			34454977.890625				
Amount Avg CF:			6204.753168	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706986** ACF DF500 TS-42 Sample ID: AE **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 5000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 16:50:11
Instrument : P 20--17342A
Result file : 6p20188.0014.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 11, 2012 16:50:11
Instrument : P 20--17342B
Result file : 6p20188B.0014.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			8415.8415	1782.1782		7.56	4	40	
Aroclor-1221			8415.8415	2277.2277		** 94.53	3	40	
Aroclor-1232			8415.8415	3960.396		** 57.93	4	40	
Aroclor-1242			8415.8415	1633.6634		** 58.30	4	40	
Aroclor-1248			8415.8415	1633.6634		** 53.08	4	40	
Aroclor-1254			8415.8415	1633.6634		15.13	4	40	
Aroclor-1260			8415.8415	2425.7426		22.76	4	40	
Aroclor-1262			8415.8415	1633.6634	E	** 45.35	4	40	
Aroclor-1268			8415.8415	1633.6634		16.80	4	40	
Total PCBs			8415.8415	1633.6634					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706986ACF DF500 AETS-42 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/11/2012 4:50:10 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0014.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.566		6989	9619
2.585		18799	44383
2.647		21228	42268
2.715		22664	46116
2.735		28532	30895
2.756		49758	71404
2.822		8868	31254
2.868		5330	4984
2.912		7728	9587
2.964		4441	5736
2.991		3825	2852
3.006		8218	4544
3.041	TCX	15873	12430
3.068		8503	9227
3.098		2115	1477
3.123		5943	9021
3.159		5293	4021
3.215		2087	7676
3.239		2833	2340
3.26		2991	1375
3.288		15163	16429
3.33		2226	1351
3.371		56169	59094
3.45		3052	2751
3.484		3075	3253
3.504		3117	1964
3.527		8053	5522
3.544		4571	2813
3.583		2569	3322
3.602		2648	1593
3.629		19105	30804
3.673		17070	26523
3.711		1854	1299
3.749		1461	1314
3.765		2321	1807
3.821		3788	1621
3.834		13140	9378
3.873		12878	11007
3.91		1913	1205
3.936		11414	12274
3.98		4418	2533
4.005		55100	44812
4.033		15302	10011
4.062		23926	24294
4.111		3593	2240
4.136		39150	33171
4.163		7424	5471
4.194		10197	8381
4.231		38804	38078
4.27		12581	11071
4.319		3429	2240
4.362		7512	6550
4.396		458141	402354
4.416		67070	38776

ASX67 0291

RT A	Compound A	Height A	Area A
4.441		129864	105152
4.512		157571	163987
4.557		887781	987688
4.593		192376	171117
4.634		14125	11050
4.659		19976	16450
4.703		178065	191651
4.759		98544	104584
4.772		94106	76650
4.82		900747	935341
4.868		922761	1149898
4.907		251740	207593
4.947		2069494	2416614
5		90552	89043
5.041		918710	1038846
5.072		5950	2407
5.1		570417	624464
5.153		3517039	4798178
5.203		449395	437540
5.245		1818568	2157958
5.288		17029	9129
5.325		261899	323768
5.361		3886536	4816333
5.425		1814003	1983314
5.469		1215129	1409989
5.59		2013502	3342980
5.648		956768	1081281
5.688		556250	600225
5.729		100363	104915
5.772		841509	960800
5.829		5409341	6557323
5.987		99309	124922
6.035		2671314	3151605
6.084		767825	1442167
6.222		34732	55317
6.284		56652	46718
6.31		458067	479072
6.365		1782	590
6.467		1104275	1350650
6.514		60627	67261
6.67		193226	251307
6.819	DCB	25693	47723
6.9		2562	2649
6.999		14105	21837
7.103		4658	10408
7.179		2340	3891
7.337		1474	600
7.413		1321	391
7.435		1818	2235
7.531		10197	40004
7.758		1072	5550
7.792		1551	1440
7.841		1275	842
7.949		1850	2449
8.08		1323	776
8.156		970	229
8.262		1657	794
8.324		1496	340
8.492		1436	933
8.555		1518	988

ASX67 8292

LANCASTER LABORATORIES

Sample Number: 6706986ACF DF500 AETS-42 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/11/2012 4:50:10 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0014.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.52		94259	161503
2.581		182438	299331
2.651		182603	285009
2.69		144472	204722
2.709		129793	246309
2.764		48214	50257
2.814		43251	30918
2.845	TCX	53686	30875
2.862		466500	341859
2.942		79598	193244
3.011		29255	57533
3.041		47954	75479
3.082		38739	61064
3.153		221511	158578
3.187		51119	44187
3.214		18866	10869
3.231		22762	13083
3.257		49544	35924
3.299		24102	34213
3.318		16685	21816
3.354		32691	23825
3.447		19759	23449
3.484		119921	300917
3.533		92314	73643
3.573		59279	86508
3.647		88372	94269
3.683		35721	17420
3.703		14587	6297
3.738		22338	15809
3.762		44399	29870
3.796		212822	150875
3.822		131866	88119
3.841		30833	17689
3.89		15677	12563
3.932		292810	343449
3.966		42807	35538
3.988		46591	65829
4.036		157715	139307
4.084		39933	34794
4.108		10295	7105
4.129		18337	15134
4.157		253270	168617
4.181		2986964	2352663
4.208		441497	306645
4.231		18521	11856
4.249		672792	525519
4.287		4525822	3918463
4.323		992653	860677
4.345		139665	175042
4.412		107624	85995
4.448		759028	817048
4.51		1759498	1689087
4.558		303277	288765
4.587		4873107	6448840

ASX67 0293

RT B	Compound B	Height B	Area B
4.618		1945625	2096014
4.673		11489530	11471520
4.714		491812	491769
4.747		3679105	2880226
4.773		3323513	2747965
4.819		22940260	22000770
4.89		62939	60615
4.932		13902930	14559140
4.988		3485906	3664230
5.029		4321458	4239760
5.069		19089320	18505960
5.102		10112730	8764428
5.143		7330013	7022051
5.194		10286	5811
5.214		79512	71238
5.248		2203850	3019516
5.3		10273250	9709897
5.327		1436909	1024729
5.375		6292201	6686678
5.412		2849867	2438634
5.438		1918808	1640219
5.494		37129970	38922650
5.534		336123	219264
5.571		769049	737635
5.71		5226945	5791038
5.756		21574590	24742620
5.913		266172	329661
5.955		575162	530023
5.98		65750	49453
6.033		2776035	3049027
6.136		6353365	6564676
6.168		197431	147569
6.287		21327	23939
6.339		968156	1048904
6.503	DCB	96356	102988
6.538		26612	32519
6.695		19988	21955
6.729		16205	16097
6.778		26791	45564
6.917		55005	81779
7.012		20158	56663
7.157		10317	11636
7.278		9555	10636
7.44		3453	2067
7.527		10405	16751
7.968		10759	35714
8.188		4910	9570
8.312		5271	2711
8.375		4350	2232
8.442		3325	6785
8.505		4243	5549
8.624		5423	8071

ASX67 8294

6706986ACF DF500 AETS-42 T 121840016A 10736 SW-846 8082

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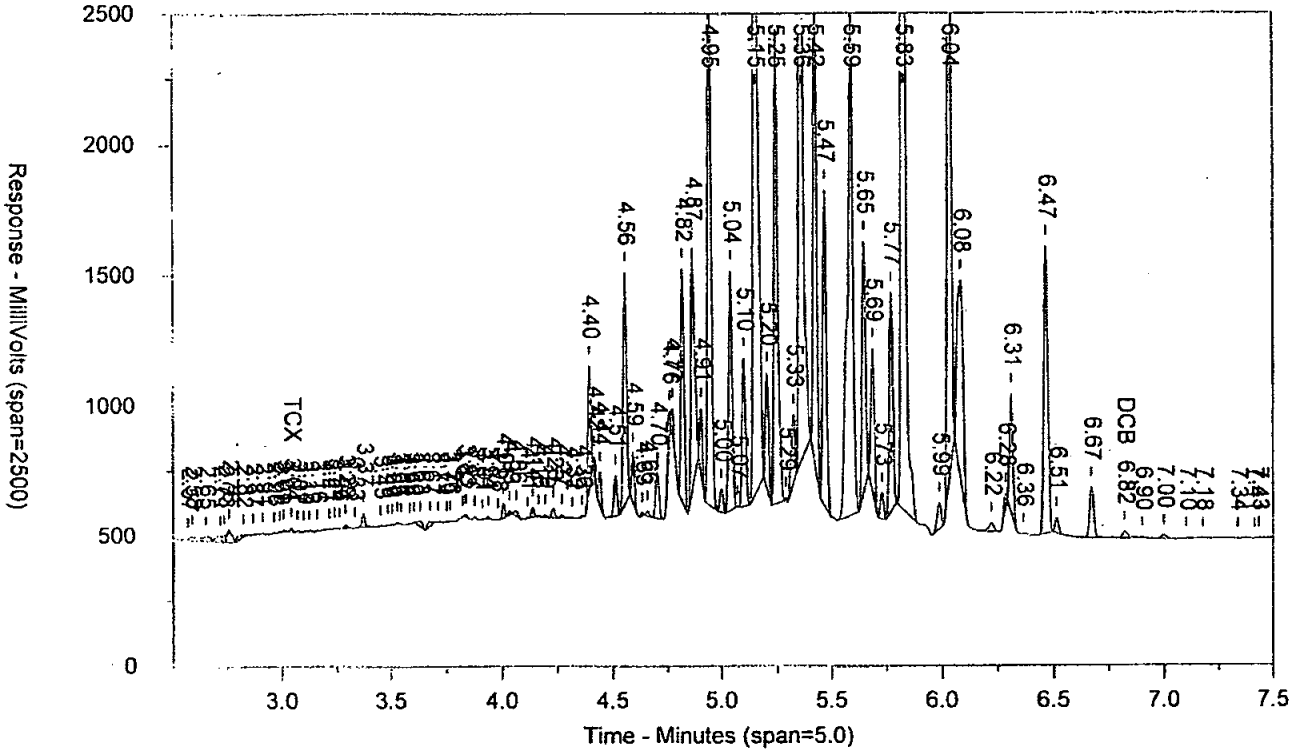

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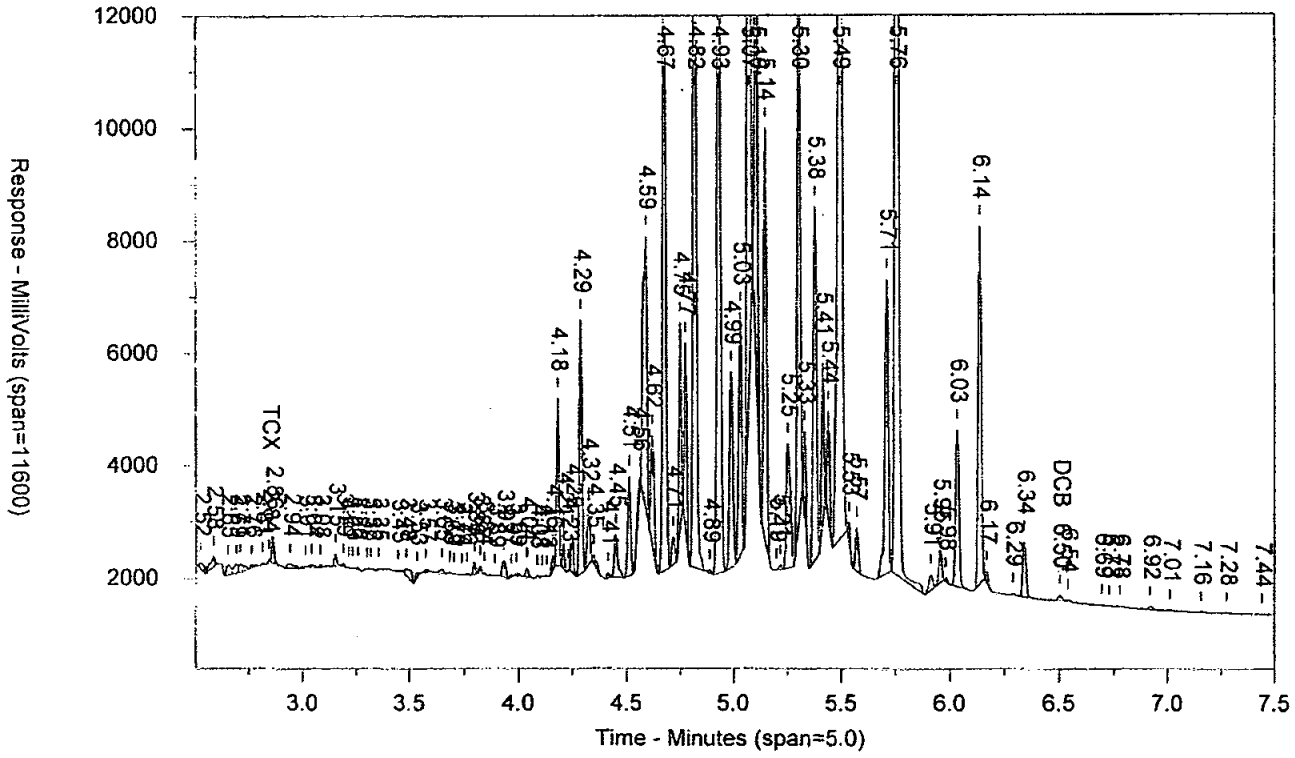

ASX67 8295

LANCASTER LABORATORIES

Sample Number: 6706986ACF DF500 AETS-42 T 121840016A 10736 Sample Weight: 3917-846 8082
Injected On: 7/11/2012 4:50:10 PM Dilution Factor: 5000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.041	15873	10.145	TCX	2.845	53686	5.924	TCX
6.819	25693	29.431	DCB	6.503	96356	15.192	DCB

Files:
Area File: 6p20188.0014.RAW
Area File: 6p20188B.0014.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 4:58:51 PM
File Reported On: 7/11/2012 at 4:58:58 PM

ASX67 8296

6706986ACF DF500 AETS-42 T 121840016A 10736 SW-846 8082

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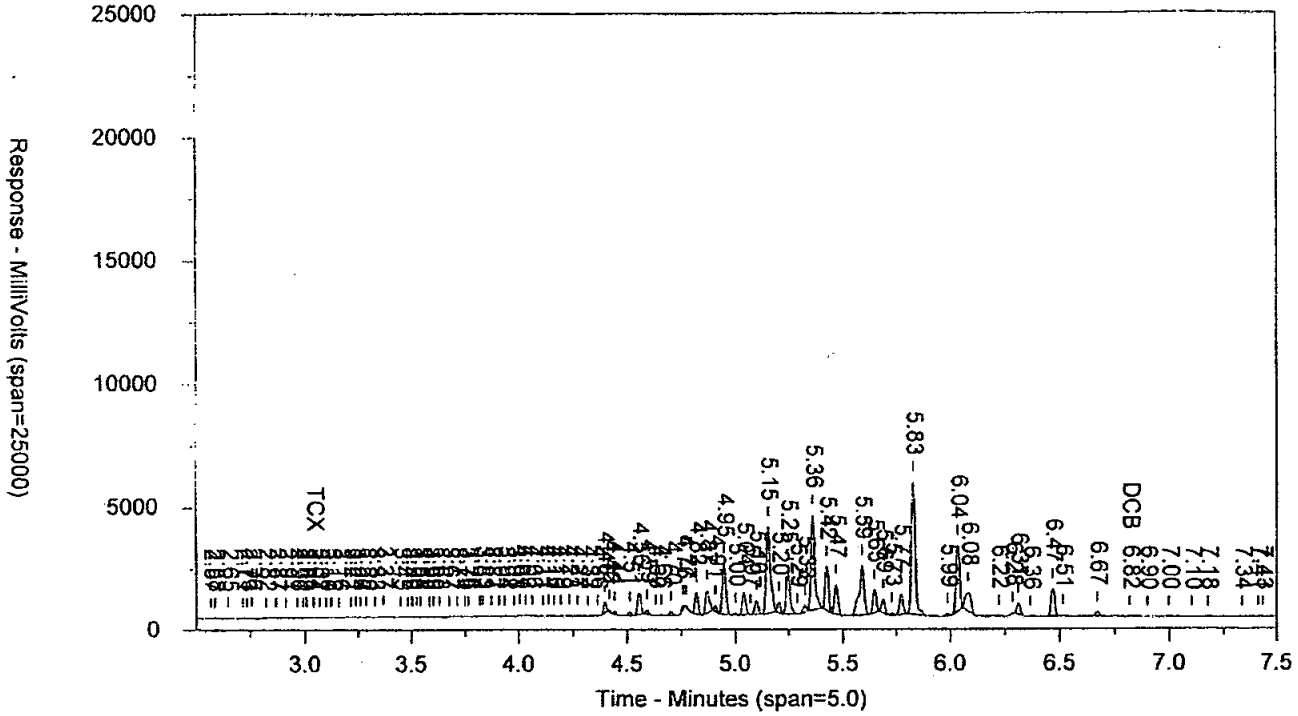

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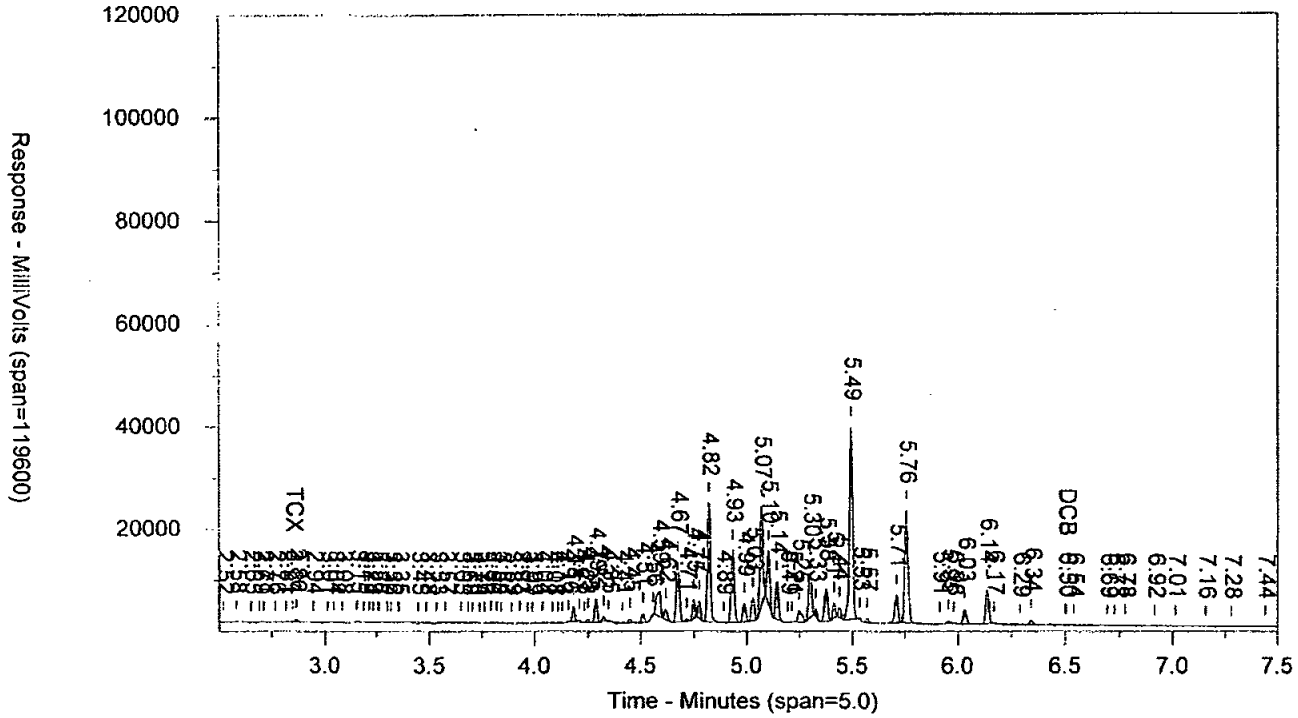

ASX67 8297

Data Summary

Sample Name: 6706987 RI ACF TS-43 Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 16, 2012 21:21:44
Instrument	H5088A
Result file	6P7190.013.RAW
Calibration file	1P7190
Method file	PESTDI7

%SSR(TCX) 88% (33 - 143) Conc: 9.061911
%SSR(DCB) 104% (24 - 164) Conc: 10.414236

Analysis Report (B)

Injected on	Jul 16, 2012 21:21:44
Instrument	H5088B
Result file	6P7190B.013.RAW
Calibration file	1P7190B
Method file	PESTDI7B

%SSR(TCX) 101% (33 - 143) Conc: 10.439635
%SSR(DCB) 104% (24 - 164) Conc: 10.361814

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.82	3.86	3.88	290455	9.061911	Tetrachloro-m-xylene	3.66	3.69	3.72	115356	10.439635
Decachlorobiphenyl	9.23	9.26	9.29	172758	10.414236	Decachlorobiphenyl	8.68	8.71	8.74	117854	10.361814

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
✓	Tetrachloro-m-xylene	B	10.439635				14.13	
✓	Decachlorobiphenyl	A	10.414236				0.50	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.80**	
6.29	6.32	6.35	14271.908203	14.544332			1
6.52	6.55	6.58	22958.564453	19.514574			2
6.77	6.79	6.83	28121.917969	22.726325			3
7.04	7.06	7.10	14498.860353	18.69399			4
7.35	7.37	7.41	32214.910156	18.888099			5
7.65	7.68	7.71	16944.648438	19.213698			6
Height summation:			**129010.809571**				
Concentration		CF:	**18.93017**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.36**	
6.25	6.28	6.31	12815.762699	20.018617			1
6.39	6.42	6.45	9408.793945	16.396489			2
6.76	6.79	6.82	857.754883	13.372416			4
7.04	7.07	7.10	20155.671875	19.896744			5
7.39	7.41	7.45	14898.370117	20.809686			6
Height summation:			**58136.353515**				
Concentration		CF:	**18.09879**	L:			

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
✓	Aroclor-1016			<17	<3.6			4	40	
✓	Aroclor-1221			<17	<4.6			3	40	
✓	Aroclor-1232			<17	<8			4	40	
✓	Aroclor-1242			<17	<3.3			4	40	
✓	Aroclor-1248			<17	<3.3			4	40	
✓	Aroclor-1254			<17	<3.3			4	40	
✓	Aroclor-1260	A	18.93017	17	4.9		4.49	4	40	
	Aroclor-1262			<17	<3.3			4	40	
	Aroclor-1268			<17	<3.3			4	40	
	Total PCBs	A	18.93017	17	3.3		200.00			

Units: ug/kg

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

Reviewed by: Jessica L. Miller, Chemist
Date: JUL 16 2012

Verified by: Michele D. Hamilton, Senior Chemist Group Leader
Date: JUL 18 2012

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706987** RI ACF TS-43 Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 16, 2012 21:21:44
Instrument : CP 7--H5088A
Result file : 6p7190.013.RAW
Calibration file : 1p7190.CAL
Method file : PESTDI7.MET

%SSR(TCX) : 88% (33-143) Conc.: 9.061911
%SSR(DCB) : 104% (24-164) Conc.: 10.414236

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	108.97	
4.17	4.22	4.23	865.969971	1.345431			1
4.64	4.64	4.70	10235.90820	14.16492			2
4.95	4.99	5.01	314.053467	0.595155			4
5.03	5.04	5.09	2026.00647	3.302787			5
5.29	5.33	5.35	3079.786621	5.742684			6
Height Summation:			**16521.724732**				
Amount Avg CF:			**5.030195**	Linear:			
Aroclor-1221					2	127.41	
4.11	4.13	4.17	5749.892578	20.753989			2
4.18	4.22	4.24	865.969971	1.081435			3
Height Summation:			**6615.862549**				
Amount Avg CF:			**10.917712**	Linear:			
Aroclor-1232					4	101.11	
4.18	4.22	4.24	865.969971	1.113859			1
4.95	4.99	5.01	314.053467	1.07606			4
5.04	5.04	5.10	2026.00647	16.8581			5
5.30	5.33	5.36	3079.786621	14.164823			6
Height Summation:			**6285.816529**				
Amount Avg CF:			**8.303211**	Linear:			
Aroclor-1242					5	94.40	
4.18	4.22	4.24	865.969971	1.875795			1
4.64	4.64	4.70	10235.90820	20.293035			2
4.95	4.99	5.01	314.053467	0.729585			4
5.03	5.04	5.09	2026.00647	9.780384			5
5.30	5.33	5.36	3079.786621	8.759348			6
Height Summation:			**16521.724732**				
Amount Avg CF:			**8.287629**	Linear:			
Aroclor-1248					4	60.22	
5.17	5.20	5.23	2874.630371	7.96545			2
5.30	5.33	5.36	3079.786621	4.339104			3
6.14	6.17	6.20	6892.276855	19.373727			5
6.40	6.42	6.46	5530.261719	18.652703			6
Height Summation:			**18376.955566**				
Amount Avg CF:			**12.582746**	Linear:			
Aroclor-1254					6	96.41	
5.82	5.86	5.88	805.077881	0.919641			1
6.14	6.17	6.20	6892.276855	6.244148			2
6.39	6.42	6.45	5530.261719	6.158806			3
6.54	6.55	6.60	22958.56445	38.529822			4
6.63	6.66	6.69	7510.535156	12.050505			5
6.77	6.79	6.83	28121.91796	30.106464			6
Height Summation:			**71818.634033**				
Amount Avg CF:			**15.668231**	Linear:			
Aroclor-1260					6	13.80	
6.29	6.32	6.35	14271.90820	14.544332			1
6.52	6.55	6.58	22958.56445	19.514574			2
6.77	6.79	6.83	28121.91796	22.726325			3
7.04	7.06	7.10	14498.86035	18.69399			4
7.35	7.37	7.41	32214.91015	18.888099			5
7.65	7.68	7.71	16944.64843	19.213698			6
Height Summation:			**129010.809571**				
Amount Avg CF:			**18.93017**	Linear:			

Analysis Report (B)

Injected on : JUL 16, 2012 21:21:44
Instrument : CP 7--H5088B
Result file : 6p7190B.013.RAW
Calibration file : 1P7190b.CAL
Method file : PESTDI7B.MET

%SSR(TCX) : 101% (33-143) Conc.: 10.439635
%SSR(DCB) : 104% (24-164) Conc.: 10.361814

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221					1		
3.98	4.00	4.04	1210.781372	12.027829			2
Height Summation:			**1210.781372**				
Amount Avg CF:			**12.027829**	Linear:			
Aroclor-1248					2	48.48	
5.96	6.00	6.02	6416.140137	34.020625			5
6.17	6.22	6.23	2489.790771	16.649486			6
Height Summation:			**8905.930908**				
Amount Avg CF:			**25.335056**	Linear:			
Aroclor-1254					6	76.23	
5.46	5.49	5.52	1102.864258	2.066777			1
5.96	6.00	6.02	6416.140137	9.731333			2
6.08	6.11	6.14	8730.185547	27.433537			3
6.17	6.22	6.23	2489.790771	5.556591			4
6.39	6.42	6.45	9408.793945	33.873338			5
6.55	6.58	6.61	14928.23828	28.137447			6
Height Summation:			**43076.012939**				
Amount Avg CF:			**17.799837**	Linear:			
Aroclor-1260					6	42.25	
6.25	6.28	6.31	12815.76269	20.018617			1
6.39	6.42	6.45	9408.793945	16.396489			2
6.55	6.58	6.61	14928.23828	~~39.42~~567			3
6.76	6.79	6.82	857.754883	13.372416			4
7.04	7.07	7.10	20155.67187	19.896744			5
7.39	7.41	7.45	14898.37011	20.809686			6
Height Summation:			**73064.591796**				
Amount Avg CF:			**21.65327**	Linear:			
Aroclor-1262					5	32.01	
6.39	6.42	6.45	9408.793945	19.794027			1
6.81	6.84	6.87	6887.177246	10.961519			3
7.04	7.07	7.10	20155.67187	15.570417			4
7.39	7.41	7.45	14898.37011	15.829543			5
7.97	8.00	8.03	4548.347168	8.278452			6
Height Summation:			**55898.360351**				
Amount Avg CF:			**14.086792**	Linear:			
Aroclor-1268					5	105.03	
7.32	7.35	7.38	3583.553955	2.006716			1
7.39	7.41	7.45	14898.37011	8.642297			2
7.61	7.64	7.67	880.216858	0.510266			3
7.97	8.00	8.03	4548.347168	6.063371			5
8.34	8.37	8.40	1531.485107	0.317808			6
Height Summation:			**25441.973205**				
Amount Avg CF:			**3.508092**	Linear:			

Jessica L. Miller
Chemist

JUL 16 2012

ASX67 8299

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706987** RI ACF TS-43 Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 16, 2012 21:21:44
Instrument : CP 7–H5088A
Result file : 6p7190.013.RAW
Calibration file : 1p7190.CAL
Method file : PESTDI7.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**47.40**	
6.52	6.55	6.58	22958.56445:	28.069965			1
6.84	6.87	6.90	8473.414063	9.103856			2
7.04	7.06	7.10	14498.86035:	15.91515			3
7.35	7.37	7.41	32214.91015(	15.272905			4
7.65	7.68	7.71	16944.64843!	14.379735			5
8.42	8.45	8.48	6547.082031	7.944379			6
Height Summation:			**101637.479493**				
Amount Avg CF:			**15.114332**	Linear:			
Aroclor-1268					**5**	**101.54**	
7.65	7.68	7.71	16944.64843!	6.351806			1
7.74	7.76	7.80	3756.776123	1.597666			2
7.97	7.99	8.03	955.850891	0.394396			3
8.43	8.45	8.49	6547.082031	6.177163			5
8.87	8.89	8.93	2718.755859	0.411405			6
Height Summation:			**30923.113342**				
Amount Avg CF:			**2.986487**	Linear:			

Analysis Report (B)

Injected on : JUL 16, 2012 21:21:44
Instrument : CP 7–H5088B
Result file : 6p7190B.013.RAW
Calibration file : 1P7190b.CAL
Method file : PESTDI7B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.6			4	40	
Aroclor-1221			17	4.6		9.68	3	40	
Aroclor-1232			17	8			4	40	
Aroclor-1242			17	3.3			4	40	
Aroclor-1248			17	3.3		** 67.26	4	40	
Aroclor-1254			17	3.3		12.74	4	40	
Aroclor-1260			17	4.9		13.42	4	40	
Aroclor-1262			17	3.3		7.04	4	40	
Aroclor-1268			17	3.3		16.06	4	40	
Total PCBs			17	3.3					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706987 RI ACF ABTS-43 T 121840016A 10736 Injection Volume SW846 8082
Injected On: 7/16/2012 9:21:44 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190.013.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.591		8137	30258
1.726		9037	25919
1.8		4784	9957
1.904		7624	17585
1.979		1093	2229
2.114		3040	4183
2.214		2736	7238
2.363		1643	5721
2.419		722	1645
2.477		2717	7002
2.658		915	2254
2.75		3975	9795
2.811		6940	21455
2.927		2173	3605
3.009		9785	23237
3.131		1913	4026
3.218		257	620
3.271		642	1173
3.353		1946	5817
3.433		796	2183
3.493		3728	6500
3.633		9794	51899
3.743		457	641
3.783		2875	4211
3.855	TCX	290455	639398
4.131		5750	28338
4.217		866	1503
4.285		2098	7560
4.442		872	2427
4.529		3123	6869
4.641		10236	41094
4.799		1852	14136
4.883		2209	5561
4.993		314	524
5.04		2026	9292
5.199		2875	9495
5.331		3080	13562
5.544		1209	8141
5.615		796	1689
5.653		555	510
5.795		1433	4803
5.858		805	977
5.893		1157	3082
6.023		1926	2452
6.084		1103	1068
6.125		617	1039
6.166		6892	11510
6.231		4205	11884
6.316		14272	34052
6.423		5530	10576
6.49		3182	5285
6.552		22959	68438
6.657		7511	13921

ASX67 0381

RT A	Compound A	Height A	Area A
6.749		1288	1703
6.794		28122	59812
6.867		8473	12894
6.917		4889	8021
7.064		14499	37115
7.138		5495	8540
7.187		2589	3878
7.298		3835	7281
7.375		32215	85992
7.681		16945	32814
7.76		3757	9739
7.833		902	2162
7.993		956	1927
8.145		3643	11740
8.45		6547	16418
8.548		320	768
8.894		2719	11751
9.256	DCB	172758	664009
9.995		1758	7672
10.342		186	880

LANCASTER LABORATORIES

Sample Number: 6706987 RI ACF ABTS-43 T 121840016A 10736 Injection Volume: 1 µl SW-846 8082
Injected On: 7/16/2012 9:21:44 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190B.013.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.607		25544	247522
2.253		388	846
2.592		205	737
2.741		2700	6091
2.89		190	394
3.023		474	1361
3.4		279	1029
3.564		2249	7251
3.695	TCX	115356	223240
3.996		1211	2395
4.114		1078	3610
4.451		1036	3548
4.663		1424	4566
4.838		825	2977
5.086		429	3732
5.208		1289	3396
5.363		493	1115
5.49		1103	1952
5.573		376	603
5.628		1826	2894
5.79		768	1194
5.909		979	1630
5.997		6416	22258
6.108		8730	19401
6.223		2490	6585
6.281		12816	27147
6.416		9409	18236
6.481		1318	1691
6.527		1901	2448
6.575		14928	41053
6.655		2341	3351
6.793		858	1738
6.843		6887	16751
6.932		3679	5485
6.973		1004	2585
7.07		20156	42952
7.346		3584	7899
7.413		14898	32715
7.638		880	1745
7.827		2261	5234
7.997		4548	11543
8.298		160	1215
8.371		1531	3703
8.71	DCB	117854	326138
9.254		2653	9025
9.631		314	2227
9.789		504	1367
9.91		1077	3452

ASX67 0383

6706987 RI ACF ABTS-43 T 121840016A 10736 SW-846 8082

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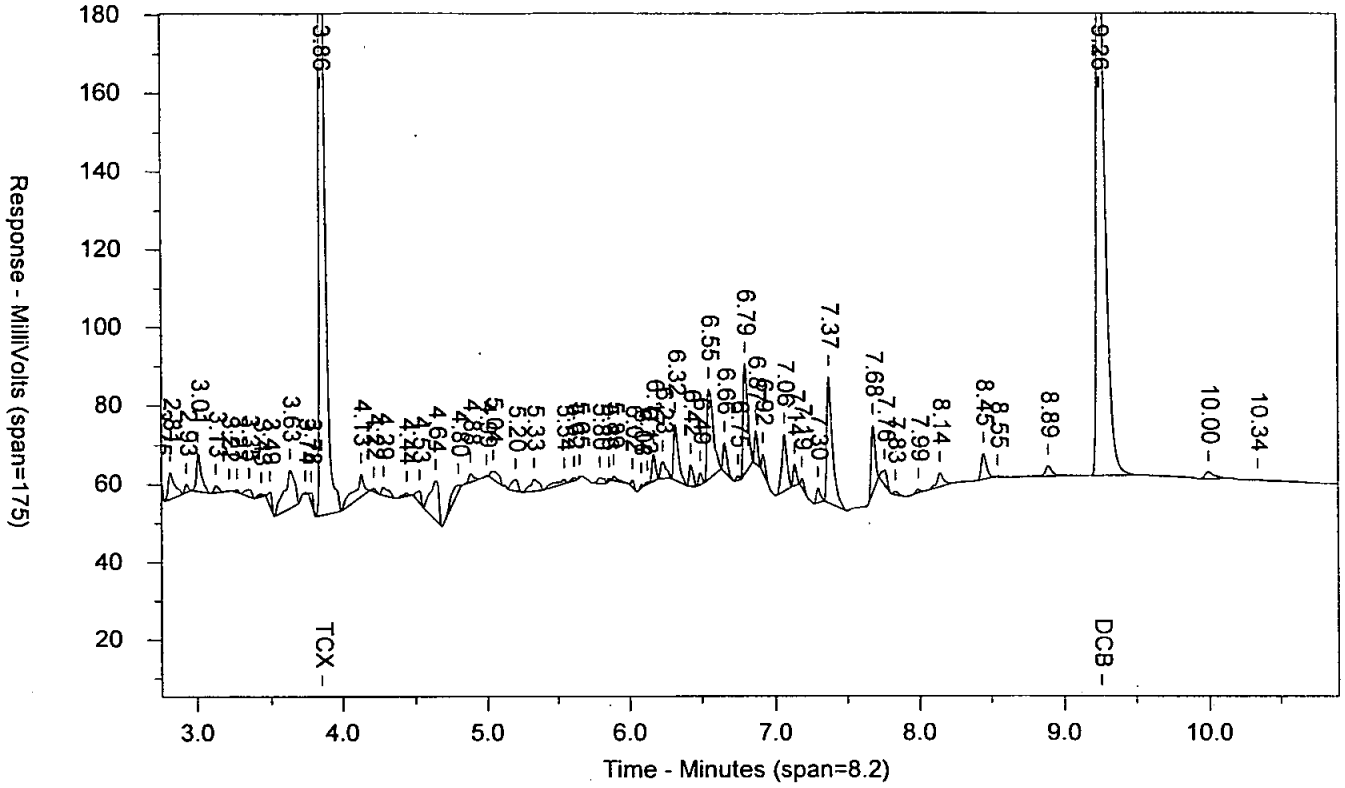

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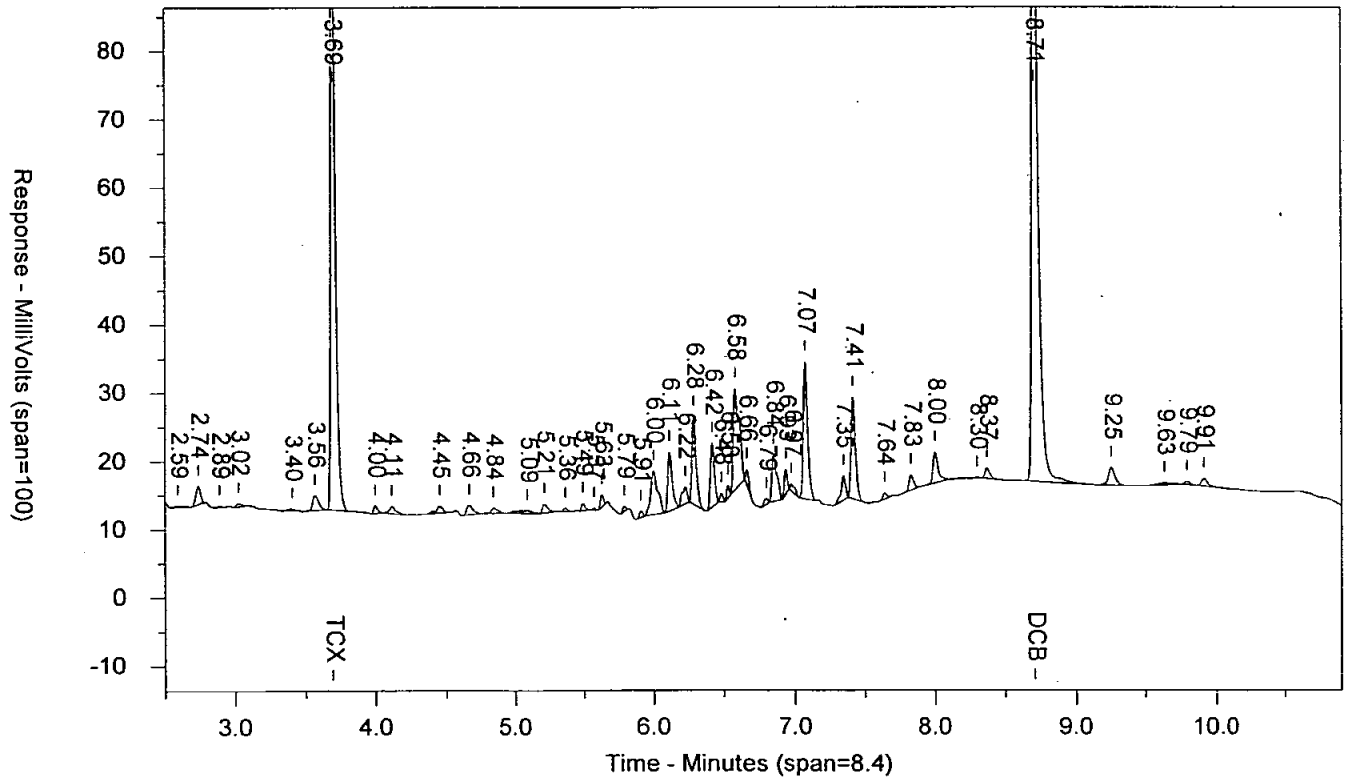


ASX67 0384

LANCASTER LABORATORIES

Sample Number: 6706987 RI ACF ABTS-43 T 121840016A 10736 Sample Weight: SW-846 8082
Injected On: 7/16/2012 9:21:44 PM Dilution Factor: 10
Instrument ID: CP7-5088A
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: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

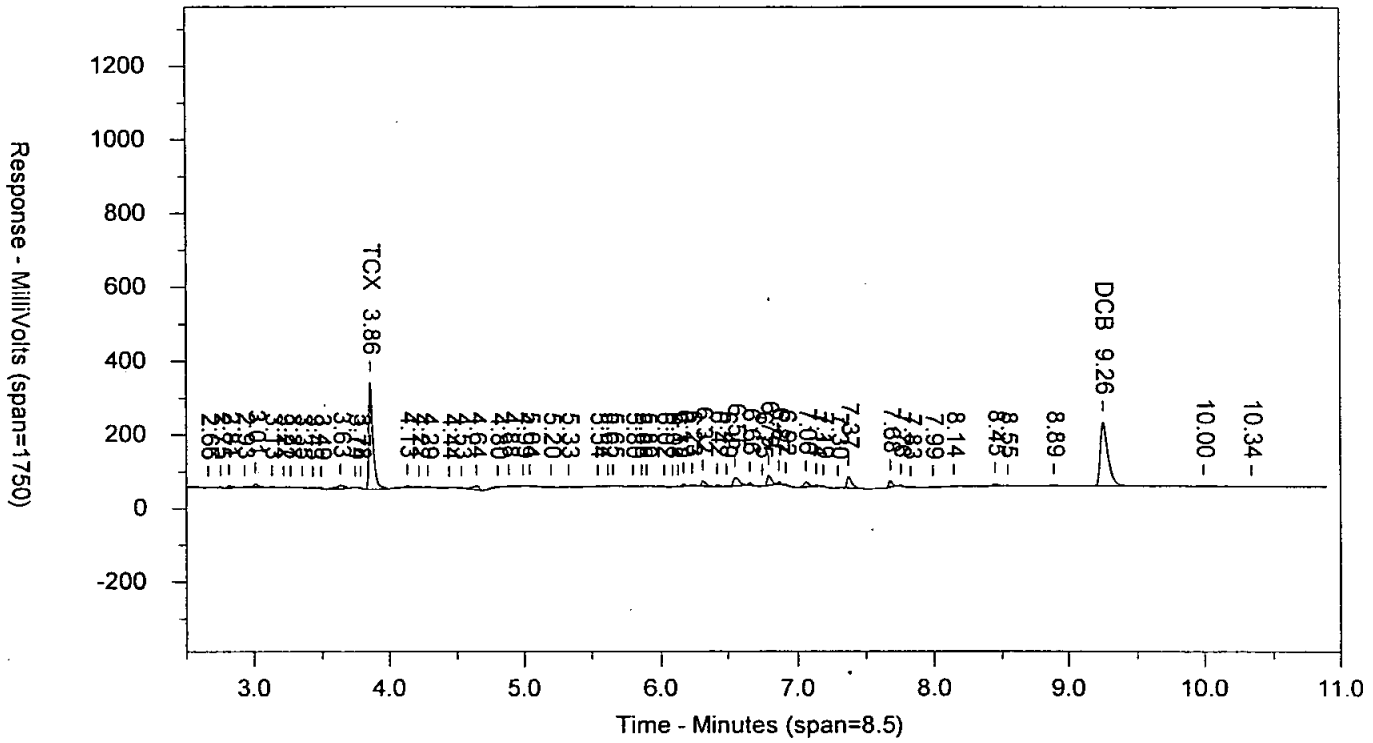
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.855	290455	9.062	TCX	3.695	115356	10.44	TCX
9.256	172758	10.414	DCB	8.71	117854	10.362	DCB

Files:
Area File: 6p7190.013.RAW
Area File: 6p7190B.013.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/16/2012 9:32:24 PM
File Reported On: 7/16/2012 at 9:32:42 PM

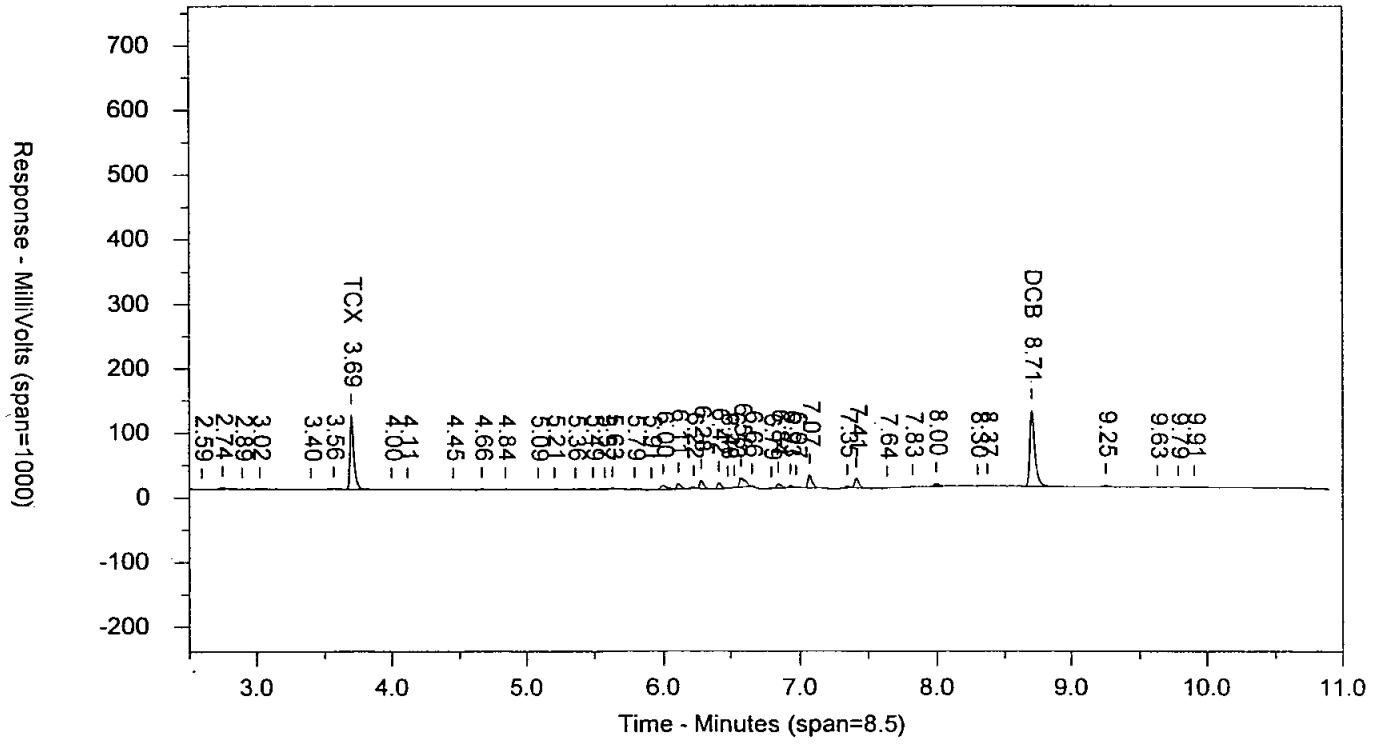
ASX67 0385

6706987 RI ACF ABTS-43 T 121840016A 10736 SW-846 8082

—— \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\6p7190.013.RAW



—— \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\6p7190B.013.RAW



ASX67 0386

Data Summary

Sample Name: 6706988 RI ACF DF200 TS-44 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 2000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 11, 2012 17:01:29
Instrument	17342A
Result file	6P20188.0015.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 40% (33 - 143) Conc: 4.062517
%SSR(DCB) 73% (24 - 164) Conc: 7.198981

Analysis Report (B)

Injected on	Jul 11, 2012 17:01:29
Instrument	17342B
Result file	6P20188B.0015.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 37% (33 - 143) Conc: 3.74069
%SSR(DCB) 51% (24 - 164) Conc: 5.076364

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	15892	4.062517
Decachlorobiphenyl	6.78	6.80	6.82	15711	7.198981

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	84755	3.74069
Decachlorobiphenyl	6.47	6.49	6.51	80492	5.076364

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	4.062517				8.25	
☑ Decachlorobiphenyl	A	7.198981				34.58	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.40**	
5.11	5.14	5.17	1984327.125	10909.727099			1
5.20	5.23	5.26	818548.3125	9486.234685			2
5.32	5.35	5.38	2215708.75	11142.143298			3
5.38	5.41	5.44	1136230	10278.308081			4
5.99	6.02	6.05	1677538.375	11295.237726			5
6.42	6.45	6.48	746282.5	11006.93125			6

Height summation: **8578635.0625**
Concentration CF: **10686.430357** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.40**	
4.78	4.81	4.84	14471446	9919.553189			1
4.89	4.92	4.95	9016958	8552.452614			2
5.03	5.06	5.09	11923156	10791.646079			3
5.26	5.29	5.32	7649928	9388.211641			4
5.45	5.48	5.51	26082546	11129.29971			5
6.10	6.13	6.16	4689769	9885.035467			6

Height summation: **73833803**
Concentration CF: **9944.36645** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑ Aroclor-1016			<3366.3367	<712.8713			4	40	
☑ Aroclor-1221			<3366.3367	<910.8911			3	40	
☑ Aroclor-1232			<3366.3367	<1584.1584			4	40	
☑ Aroclor-1242			<3366.3367	<653.4654			4	40	
☑ Aroclor-1248			<3366.3367	<653.4654			4	40	
☑ Aroclor-1254			<3366.3367	<653.4654			4	40	
☑ Aroclor-1260	A	10686.430357	3366.3367	970.297		7.19	4	40	
☐ Aroclor-1262			<3366.3367	<653.4654			4	40	
☐ Aroclor-1268			<3366.3367	<653.4654			4	40	
☐ Total PCBs	A	10686.430357	3366.3367	653.4654		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders
Monica M. Souders
Chemist
Date: JUL 12 2012

Verified by:
Date:

7/12/2012

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: 6706988 RI ACF DF200 TS-44 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 2000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:01:29
Instrument : P 20--17342A
Result file : 6p20188.0015.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 40% (33-143) Conc.: 4.062517
%SSR(DCB) : 73% (24-164) Conc.: 7.198981

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	50.39	
3.27	3.30	3.33	2235.45752	31.562097			1
3.61	3.62	3.66	10130.42675	113.901413			2
3.83	3.86	3.89	4894.894531	47.426842			3
3.89	3.93	3.95	5410.217285	57.79213			4
+ 3.96	3.97	4.02	3092.738525	54.574295			5
3.96	4.00	4.02	5388.128906	95.078628			5
4.09	4.13	4.15	2690.761719	41.995776			6
Height Summation:			30749.886719				
Amount Avg CF:			64.626148	Linear:			
Aroclor-1221					3	47.55	
3.16	3.17	3.22	1460.528687	39.043771			1
+ 3.22	3.23	3.28	1501.282837	46.901017			2
3.22	3.26	3.28	2014.860596	62.945509			2
3.27	3.30	3.33	2235.45752	23.466586			3
Height Summation:			5710.846803				
Amount Avg CF:			41.818622	Linear:			
Aroclor-1232					6	61.49	
3.27	3.30	3.33	2235.45752	22.405442			1
3.61	3.62	3.67	10130.42675	207.355248			2
3.83	3.86	3.89	4894.894531	85.598265			3
3.90	3.93	3.95	5410.217285	107.816088			4
+ 3.96	3.97	4.02	3092.738525	113.099791			5
3.96	4.00	4.02	5388.128906	197.040987			5
4.10	4.13	4.16	2690.761719	81.426196			6
Height Summation:			30749.886719				
Amount Avg CF:			116.940371	Linear:			
Aroclor-1242					6	51.73	
3.27	3.30	3.33	2235.45752	37.768896			1
3.61	3.62	3.67	10130.42675	137.801818			2
3.83	3.86	3.89	4894.894531	56.265061			3
3.90	3.93	3.96	5410.217285	71.870195			4
+ 3.97	3.97	4.03	3092.738525	68.896316			5
3.97	4.00	4.03	5388.128906	120.030268			5
4.10	4.13	4.16	2690.761719	49.044366			6
Height Summation:			30749.886719				
Amount Avg CF:			78.796767	Linear:			
Aroclor-1248					6	126.41	
+ 3.96	3.97	4.02	3092.738525	38.274968			1
3.96	4.00	4.02	5388.128906	66.682152			1
4.09	4.13	4.15	2690.761719	28.885026			2
4.19	4.22	4.25	4047.876953	48.742874			3
4.37	4.39	4.43	169129.1406	2327.436224			4
+ 4.37	4.43	4.43	18109.67578	249.212615			4
4.51	4.55	4.57	234671.1875	2790.966497			5
4.78	4.81	4.84	364559.2812	6024.542917			6
Height Summation:			780486.376953				
Amount Avg CF:			1881.209282	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 17:01:29
Instrument : P 20--17342B
Result file : 6p20188B.0015.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 37% (33-143) Conc.: 3.74069
%SSR(DCB) : 51% (24-164) Conc.: 5.076364

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	186.64	
+ 3.11	3.11	3.17	11155.56738	30.520601			1
3.11	3.15	3.17	935171.4375	2558.542635			1
3.45	3.48	3.51	41239.30859	92.287394			2
3.65	3.68	3.70	10092.83691	19.896762			3
3.72	3.76	3.78	5555.066406	10.594188			4
+ 3.79	3.79	3.85	10633.63867	32.479017			5
3.79	3.82	3.85	45885.64843	140.151534			5
3.90	3.92	3.96	169923.7343	395.35747			6
Height Summation:			1207868.032227				
Amount Avg CF:			536.138331	Linear:			
Aroclor-1221					3	134.95	
2.99	3.02	3.05	43968.87890	218.256827			1
3.05	3.06	3.11	14976.63183	102.575934			2
+ 3.11	3.11	3.17	11155.56738	22.005516			3
3.11	3.15	3.17	935171.4375	1844.722876			3
Height Summation:			994116.948242				
Amount Avg CF:			721.851879	Linear:			
Aroclor-1232					6	110.24	
+ 3.11	3.11	3.17	11155.56738	22.118443			1
3.11	3.15	3.17	935171.4375	1854.189523			1
3.45	3.48	3.51	41239.30859	174.114372			2
3.65	3.68	3.71	10092.83691	38.281933			3
3.72	3.76	3.78	5555.066406	20.606652			4
+ 3.79	3.79	3.85	10633.63867	227.771117			5
3.79	3.82	3.85	45885.64843	982.864449			5
3.90	3.92	3.96	169923.7343	853.957283			6
Height Summation:			1207868.032227				
Amount Avg CF:			654.002369	Linear:			
Aroclor-1242					6	163.51	
+ 3.11	3.11	3.17	11155.56738	36.853227			1
3.11	3.15	3.17	935171.4375	3089.406736			1
3.45	3.48	3.51	41239.30859	115.600317			2
3.65	3.68	3.71	10092.83691	25.490863			3
3.72	3.76	3.78	5555.066406	13.502958			4
+ 3.79	3.79	3.85	10633.63867	139.873688			5
3.79	3.82	3.85	45885.64843	603.574664			5
3.90	3.92	3.96	169923.7343	501.187426			6
Height Summation:			1207868.032227				
Amount Avg CF:			724.793827	Linear:			
Aroclor-1248					8	130.26	
+ 3.79	3.79	3.85	10633.63867	25.424098			1
3.79	3.82	3.85	45885.64843	109.708563			1
3.90	3.92	3.96	169923.7343	278.411421			2
+ 4.14	4.14	4.20	29765.92382	34.469251			3
4.14	4.17	4.20	922225.625	1067.946907			3
4.14	4.20	4.20	35812.02343	41.470697			3
4.47	4.50	4.53	442289.3437	1596.551814			4
+ 4.54	4.55	4.60	149395.75	378.957357			5
4.54	4.58	4.60	3049541.5	7735.468957			5
+ 4.71	4.71	4.77	183464.7968	532.700456			6
4.71	4.74	4.77	474400.6562	1377.449244			6
4.71	4.76	4.77	2421753.25	7031.698079			6
Height Summation:			7561831.781251				
Amount Avg CF:			2404.83821	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706988** RI ACF DF200 TS-44 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 2000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:01:29
Instrument : P 20--17342A
Result file : 6p20188.0015.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	114.73	
4.51	4.55	4.58	234671.1875	1516.721541			1
4.72	4.76	4.78	159063.25	1594.710609			2
4.78	4.81	4.84	364559.2812	1917.328709			3
5.00	5.03	5.06	196924.7656	1308.974546			4
+ 5.00	5.06	5.06	8273.125977	54.992125			4
5.20	5.23	5.26	818548.3125	6965.823652			5
5.32	5.35	5.38	2215708.75	14619.660129			6
Height Summation:			3989475.546875				
Amount Avg CF:			4653.869864	Linear:			
Aroclor-1260					6	6.40	
5.11	5.14	5.17	1984327.125	10909.727099			1
5.20	5.23	5.26	818548.3125	9486.234685			2
5.32	5.35	5.38	2215708.75	11142.143298			3
5.38	5.41	5.44	1136230	10278.308081			4
5.99	6.02	6.05	1677538.375	11295.237726			5
6.42	6.45	6.48	746282.5	11006.93125			6
Height Summation:			8578635.062500				
Amount Avg CF:			10686.430357	Linear:			
Aroclor-1262					6	31.45	
5.11	5.14	5.17	1984327.125	13198.082283			1
5.38	5.41	5.44	1136230	5804.968393			2
5.55	5.58	5.61	1255044.125	9278.943253			3
5.79	5.82	5.85	3489551.25	9465.880962			4
5.99	6.02	6.05	1677538.375	8156.40407			5
6.43	6.45	6.49	746282.5	6013.623256			6
Height Summation:			10288973.375000				
Amount Avg CF:			8652.983703	Linear:			
Aroclor-1268					6	118.27	
5.99	6.02	6.05	1677538.375	4189.469829			1
6.05	6.07	6.11	492744.625	1427.416818			2
6.18	6.21	6.24	25381.50585	81.077129			3
6.25	6.27	6.31	30153.65234	353.842024			4
+ 6.25	6.30	6.31	304479.5312	3572.955354			4
6.43	6.45	6.49	746282.5	5228.454735			5
6.63	6.66	6.69	125847.2343	140.249983			6
Height Summation:			3097947.892578				
Amount Avg CF:			1903.41842	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 17:01:29
Instrument : P 20--17342B
Result file : 6p20188B.0015.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					7	136.89	
4.47	4.50	4.53	442289.3437	635.51418			1
+ 4.54	4.55	4.60	149395.75	126.329294			2
4.54	4.58	4.60	3049541.5	2578.697342			2
+ 4.71	4.71	4.77	183464.7968	187.880212			3
4.71	4.74	4.77	474400.6562	485.817974			3
4.71	4.76	4.77	2421753.25	2480.037162			3
4.78	4.81	4.84	14471446	23139.51094			4
4.95	4.98	5.01	1180015.25	1886.816207			5
5.03	5.06	5.09	11923156	12172.989592			6
Height Summation:			33962602.000000				
Amount Avg CF:			6197.054771	Linear:			
Aroclor-1260					6	9.40	
4.78	4.81	4.84	14471446	9919.553189			1
4.89	4.92	4.95	9016958	8552.452614			2
5.03	5.06	5.09	11923156	10791.646079			3
5.26	5.29	5.32	7649928	9388.211641			4
+ 5.26	5.32	5.32	1059564.625	1300.328179			4
5.45	5.48	5.51	26082546	11129.29971			5
6.10	6.13	6.16	4689769	9885.035467			6
Height Summation:			73833803.000000				
Amount Avg CF:			9944.36645	Linear:			
Aroclor-1262					6	39.16	
4.89	4.92	4.95	9016958	9848.140386			1
5.06	5.09	5.12	7475073	4604.415766			2
5.26	5.29	5.32	7649928	6023.006051			3
+ 5.26	5.32	5.32	1059564.625	834.225387			3
5.45	5.48	5.51	26082546	8209.780773			4
+ 5.67	5.68	5.73	48200.74218	42.442939			5
5.67	5.70	5.73	3661458	3224.079759			5
6.10	6.13	6.16	4689769	5332.154897			6
Height Summation:			58575732.000000				
Amount Avg CF:			6206.929605	Linear:			
Aroclor-1268					6	127.84	
+ 5.67	5.68	5.73	48200.74218	13.216223			1
5.67	5.70	5.73	3661458	1003.939834			1
5.72	5.75	5.78	14968344	4778.725559			2
5.87	5.90	5.93	250427.3906	119.811296			3
+ 5.94	5.94	6.00	363622.0312	655.879156			4
5.94	5.97	6.00	50930.19140	91.864761			4
6.10	6.13	6.16	4689769	4568.66328			5
6.30	6.33	6.36	707174.9375	98.739503			6
Height Summation:			24328103.519531				
Amount Avg CF:			1776.957372	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			3366.3367	712.8713		** 156.97	4	40	
Aroclor-1221			3366.3367	910.8911		** 178.10	3	40	
Aroclor-1232			3366.3367	1584.1584		** 139.33	4	40	
Aroclor-1242			3366.3367	653.4654		** 160.78	4	40	
Aroclor-1248			3366.3367	653.4654		24.43	4	40	
Aroclor-1254			3366.3367	653.4654		28.44	4	40	
Aroclor-1260			3366.3367	970.297		7.19	4	40	

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: 6706988 RI ACF DF200 TS-44 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 2000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	: JUL 11, 2012 17:01:29
Instrument	: P 20--17342A
Result file	: 6p20188.0015.RAW
Calibration file	: 2p20188.CAL
Method file	: PESTDI20.MET

Analysis Report (B)

Injected on	: JUL 11, 2012 17:01:29
Instrument	: P 20–17342B
Result file	: 6p20188B.0015.RAW
Calibration file	: 2P20188b.CAL
Method file	: PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			3366.3367	653.4654		32.92	4	40	
Aroclor-1268			3366.3367	653.4654		6.87	4	40	
Total PCBs			3366.3367	653.4654					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706988 RI ACF DF200ADTS-44 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 5:01:29 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0015.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.571		2175	3755
2.582		4198	5100
2.626		1927	1046
2.646		5379	6774
2.699		2219	1385
2.731		36540	29635
2.752		40698	32586
2.823		1917	2034
2.871		2567	4338
2.91		10886	7897
2.956		2040	2500
2.988		2384	1166
3.038	TCX	15892	11110
3.062		11723	10766
3.126		2984	2505
3.152		9026	6353
3.172		1461	501
3.227		1501	4591
3.26		2015	1425
3.297		2235	1288
3.365		193821	181845
3.443		1648	1249
3.481		1558	1307
3.499		2931	1729
3.518		3817	4183
3.554		1553	977
3.618		10130	20809
3.671		3405	5500
3.694		1312	612
3.73		2331	1944
3.769		2137	947
3.797		9594	9786
3.823		2396	1157
3.861		4895	3583
3.925		5410	9216
3.966		3093	2608
3.995		5388	4686
4.039		16409	22334
4.078		1437	1068
4.129		2691	2848
4.16		1915	2799
4.223		4048	4190
4.295		4993	6650
4.385		169129	168272
4.429		18110	15401
4.474		3826	10016
4.501		47058	46014
4.545		234671	250652
4.58		42916	38449
4.621		6309	5077
4.649		5550	3734
4.691		38360	37536
4.761		159063	228540
4.808		364559	397768

ASX67 8311

RT A	Compound A	Height A	Area A
4.857		499349	664547
4.896		114441	90166
4.935		1245472	1370755
4.987		9923	9275
5.028		196925	235862
5.06		8273	4220
5.089		326825	352621
5.142		1984327	2767524
5.193		275391	265208
5.234		818548	1041052
5.277		10550	5134
5.313		155384	198284
5.349		2215709	2685468
5.413		1136230	1262763
5.457		777388	912666
5.579		1255044	2084322
5.638		616147	661905
5.677		348346	367309
5.717		56054	62177
5.762		391020	413824
5.817		3489551	4204848
5.902		12189	37833
5.977		49758	69582
6.024		1677538	2014891
6.068		492745	967630
6.212		25382	50424
6.272		30154	26482
6.299		304480	319105
6.362		3042	2653
6.454		746283	886248
6.5		40449	44629
6.657		125847	169370
6.744		1794	918
6.805	DCB	15711	20209
6.884		5507	6201
6.981		18176	29742
7.085		2395	2963
7.171		1326	1053
7.284		1653	3649
7.364		2411	1086
7.463		1358	1062
7.688		1544	1252
7.844		1180	846
7.871		1226	869
7.905		1263	430
8.004		1553	1672
8.058		1481	564
8.088		1628	2799
8.131		1353	554
8.261		1164	701
8.336		1421	1107
8.406		1219	1008
8.523		1744	1096
8.62		1886	1500

ASX67 0312

LANCASTER LABORATORIES

Sample Number: 6706988 RI ACF DF200ADTS-44 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 5:01:29 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0015.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.524		86870	98962
2.566		40235	35287
2.583		221661	163556
2.627		30771	20614
2.682		13751	12409
2.715		52741	46983
2.784		18548	41501
2.817		13015	9207
2.845	TCX	84755	76050
2.908		18855	24415
2.93		12521	11621
2.97		35652	47498
3.017		43969	30427
3.057		14977	25860
3.112		11156	13199
3.152		935171	794625
3.204		17285	22854
3.244		8890	5042
3.276		10613	3750
3.303		23931	45698
3.377		22900	50881
3.421		5225	6416
3.483		41239	93858
3.529		33838	31514
3.567		65040	71381
3.604		14499	9730
3.643		9498	9301
3.677		10093	4374
3.716		12705	7455
3.761		5555	3492
3.785		10634	3926
3.821		45886	40743
3.868		15025	20098
3.888		19352	11985
3.924		169924	219937
3.966		116030	208220
3.992		59512	45102
4.029		51741	86244
4.076		30008	32033
4.105		17409	13992
4.143		29766	30108
4.171		922226	723453
4.196		35812	21029
4.239		262392	243972
4.278		1345811	1120043
4.312		240771	189128
4.337		85092	184343
4.404		66498	56129
4.437		278967	463697
4.499		442289	561966
4.548		149396	120040
4.576		3049542	3672855
4.607		1215815	1376307
4.662		7501070	7341566

ASX67 0313

RT B	Compound B	Height B	Area B
4.71		183465	174440
4.737		474401	334064
4.762		2421753	2111583
4.808		14471450	14472000
4.921		9016958	9641417
4.979		1180015	1210749
5.018		3193765	3021252
5.058		11923160	12016680
5.091		7475073	6478470
5.132		5583921	5351963
5.201		41419	59283
5.238		1661883	2187550
5.289		7649928	7178479
5.316		1059565	758616
5.364		4649381	4827651
5.402		2014644	1722549
5.426		1313500	1131686
5.482		26082550	27347150
5.524		282486	211161
5.56		577787	543643
5.675		48201	39022
5.699		3661458	3743983
5.746		14968340	17181810
5.902		250427	325039
5.944		363622	350057
5.97		50930	35397
6.022		2020382	2026050
6.126		4689769	4603847
6.157		135179	104623
6.327		707175	790863
6.49	DCB	80492	82291
6.678		22415	20568
6.906		57949	74088
7.146		9575	13235
7.631		3357	1654
7.915		3816	3571
8.063		4727	7274
8.157		4709	2859
8.318		6083	3750
8.357		3896	5294

ASX67 0314

6706988 RI ACF DF200ADTS-44 T 121840016A 10736 SW-846 8082

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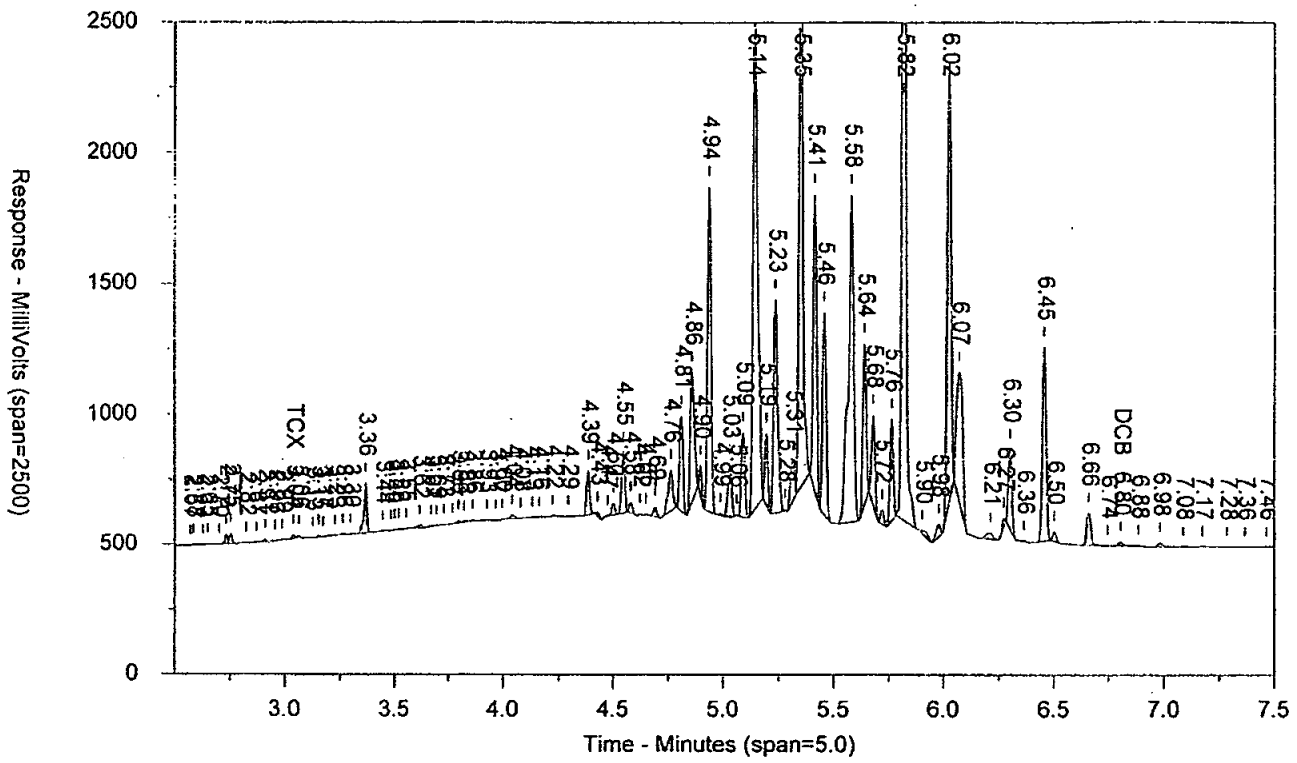

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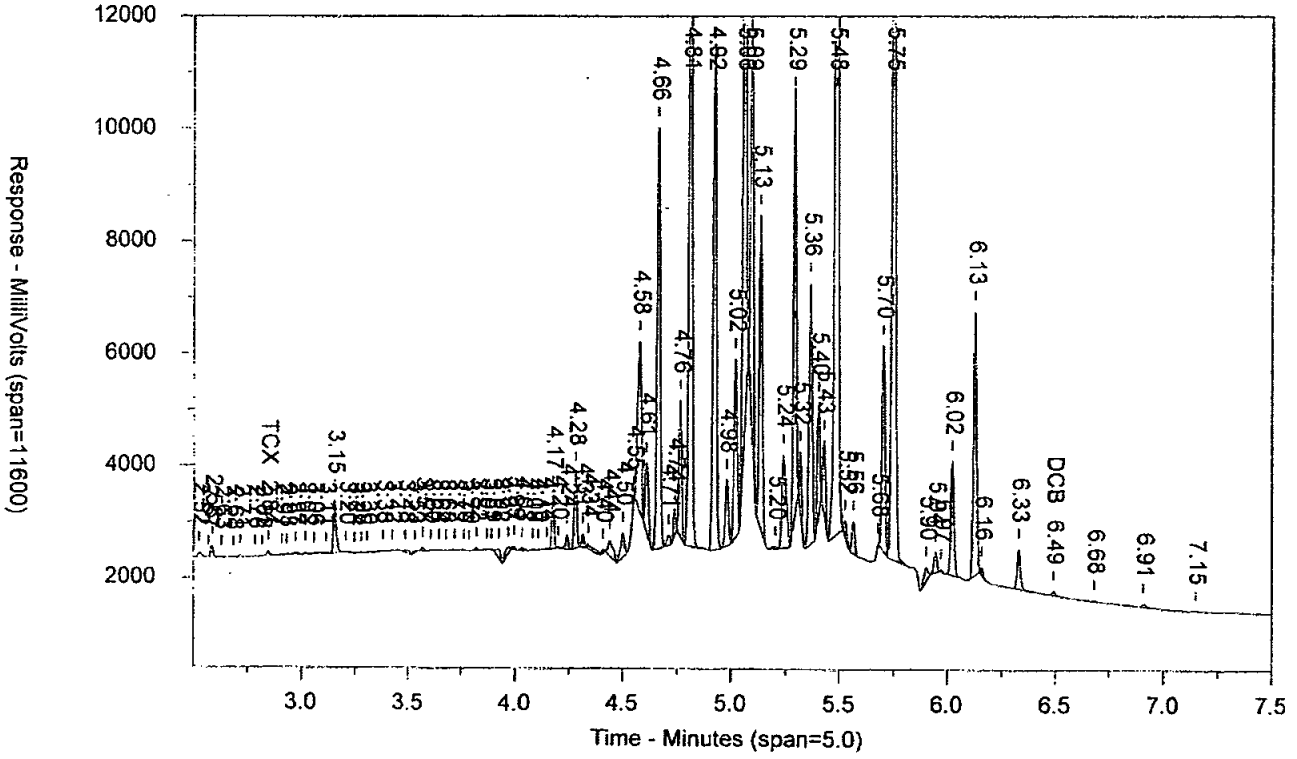

A5X67 0315

LANCASTER LABORATORIES

Sample Number: 6706988 RI ACF DF200ADTS-44 T 121840016A 10736 Sample Weight: 3063V-846 8082
Injected On: 7/11/2012 5:01:29 PM Dilution Factor: 2000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	15892	4.063	TCX	2.845	84755	3.741	TCX
6.805	15711	7.199	DCB	6.49	80492	5.076	DCB

Files:
Area File: 6p20188.0015.RAW
Area File: 6p20188B.0015.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 5:10:11 PM
File Reported On: 7/11/2012 at 5:10:16 PM

ASX67 8316

6706988 RI ACF DF200ADTS-44 T 121840016A 10736 SW-846 8082

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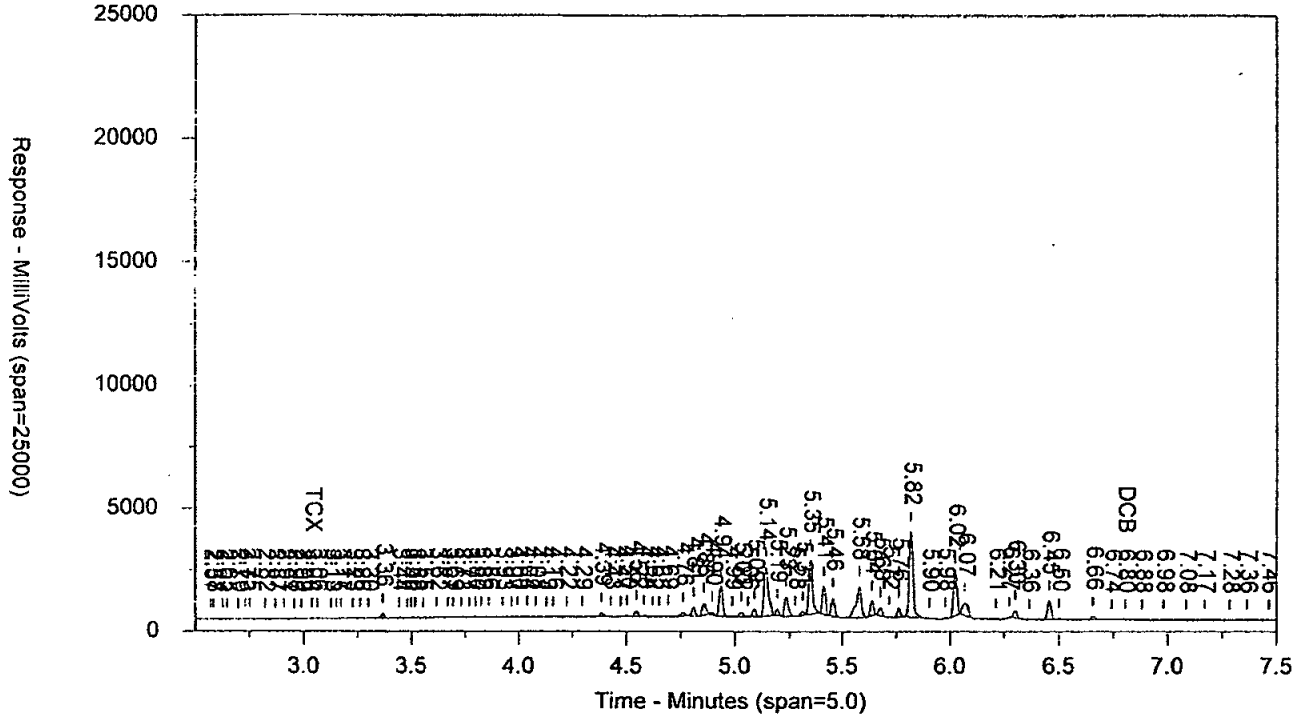

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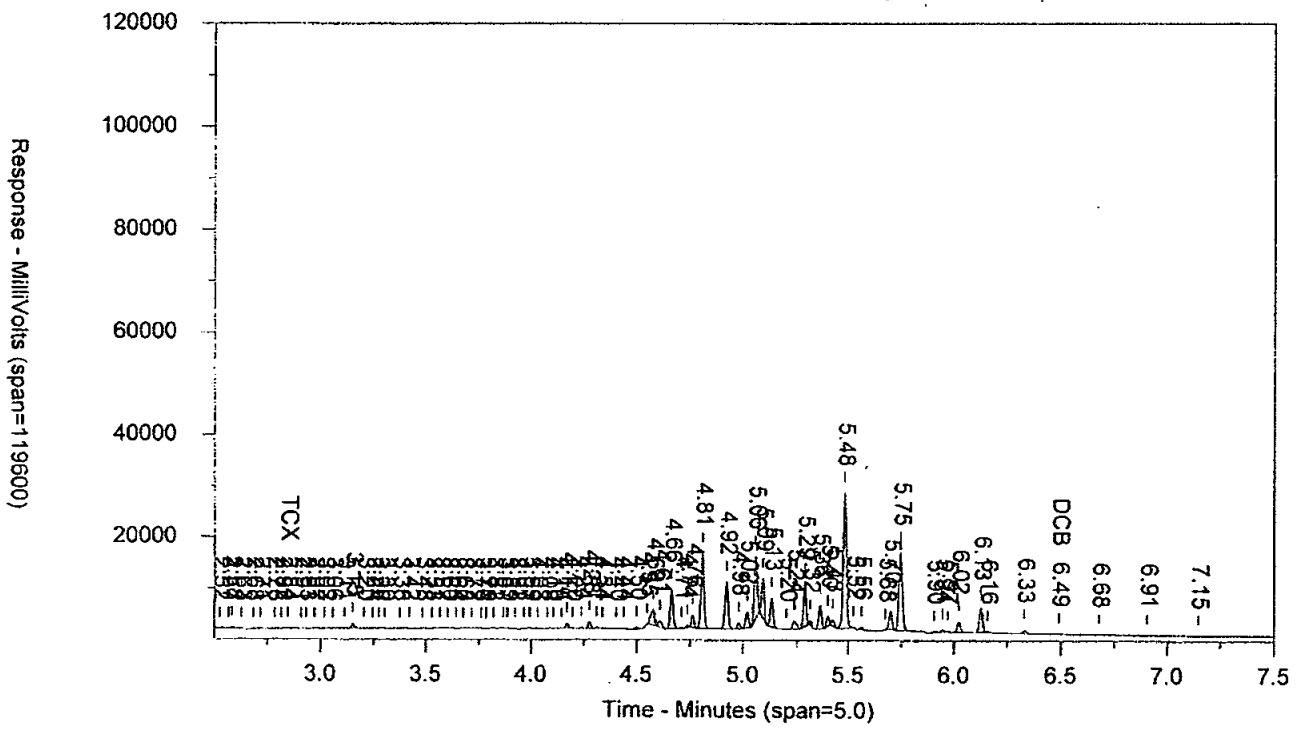

ASX67 8317

Data Summary

Sample Name: 6706989 ACF DF100 TS-45 Sample ID: AE **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 11, 2012 17:12:51
Instrument	17342A
Result file	6P20188.0016.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 103% (33 - 143) Conc: 10.531976
%SSR(DCB) 147% (24 - 164) Conc: 14.523346

Analysis Report (B)

Injected on	Jul 11, 2012 17:12:51
Instrument	17342B
Result file	6P20188B.0016.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 89% (33 - 143) Conc: 9.040268
%SSR(DCB) 112% (24 - 164) Conc: 11.108307

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	82397	10.531976
Decachlorobiphenyl	6.78	6.81	6.82	63393	14.523346

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	409663	9.040268
Decachlorobiphenyl	6.47	6.49	6.51	352272	11.108307

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	10.531976				15.24	
☑ Decachlorobiphenyl	A	14.523346				26.65	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.12**	
5.11	5.14	5.17	6760381	18584.111175			1
5.20	5.23	5.26	2906170	16839.941047			2
5.32	5.35	5.38	7540790.5	18960.20141			3
5.38	5.41	5.44	4409672	19944.891153			4
5.99	6.02	6.05	6740048.5	22691.120284			5
6.42	6.45	6.48	2787320	20555.111243			6

Height summation: **31144382**
Concentration CF: **19595.896052** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.11**	
4.78	4.81	4.84	59073404	20246.137568			1
4.89	4.92	4.95	37493584	17781.057673			2
5.03	5.06	5.09	48252196	21836.526411			3
5.26	5.29	5.32	34670284	21274.184793			4
5.45	5.48	5.51	117132792	24990.00573			5
6.10	6.13	6.16	21112612	22250.447561			6

Height summation: **317734872**
Concentration CF: **21396.393289** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑ Aroclor-1016			<1683.1684	<356.4357			4	40	
☑ Aroclor-1221			<1683.1684	<455.4456			3	40	
☑ Aroclor-1232			<1683.1684	<792.0792			4	40	
☑ Aroclor-1242			<1683.1684	<326.7327			4	40	
☑ Aroclor-1248			<1683.1684	<326.7327			4	40	
☑ Aroclor-1254			<1683.1684	<326.7327			4	40	
☑ Aroclor-1260	B	21396.393289	1683.1684	485.1485		8.78	4	40	
☐ Aroclor-1262			<1683.1684	<326.7327			4	40	
☐ Aroclor-1268			<1683.1684	<326.7327			4	40	
☐ Total PCBs	A	21396.393289	1683.1684	326.7327		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders, Chemist
Date: JUL 12 2012

Verified by:
Date:

7/12/2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706989** ACF DF100 TS-45 Sample ID: AE **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:12:51
Instrument : P 20--17342A
Result file : 6p20188.0016.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 103% (33-143) Conc.: 10.531976
%SSR(DCB) : 147% (24-164) Conc.: 14.523346

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	115.30	
+ 3.27	3.27	3.33	1639.769531	11.575833			1
3.27	3.30	3.33	1717.187622	12.12236			1
3.61	3.61	3.66	15679.42773	88.145792			2
3.83	3.83	3.89	60334.22265	292.290427			3
3.89	3.94	3.95	5317.299316	28.399788			4
+ 3.96	3.97	4.02	2737.759766	24.155179			5
3.96	4.00	4.02	10232.69921	90.282825			5
+ 4.09	4.10	4.15	4738.948242	36.981314			6
4.09	4.12	4.15	3964.099121	30.934627			6
Height Summation:			97244.935668				
Amount Avg CF:			90.362637	Linear:			
Aroclor-1221					3	46.25	
3.16	3.19	3.22	1644.822144	21.98521			1
+ 3.16	3.21	3.22	1949.715942	26.060516			1
* 3.22	3.27	3.28	1639.769531	25.613714			2
+* 3.27	3.27	3.33	1639.769531	8.606693			3
3.27	3.30	3.33	1717.187622	9.013039			3
Height Summation:			5001.779297				
Amount Avg CF:			18.870654	Linear:			
Aroclor-1232					6	114.21	
+ 3.27	3.27	3.33	1639.769531	8.217504			1
3.27	3.30	3.33	1717.187622	8.605475			1
3.61	3.61	3.67	15679.42773	160.467653			2
3.83	3.83	3.89	60334.22265	527.539945			3
3.90	3.94	3.95	5317.299316	52.982198			4
+ 3.96	3.97	4.02	2737.759766	50.059204			5
3.96	4.00	4.02	10232.69921	187.102164			5
+ 4.10	4.10	4.16	4738.948242	71.703586			6
4.10	4.12	4.16	3964.099121	59.979579			6
Height Summation:			97244.935668				
Amount Avg CF:			166.112836	Linear:			
Aroclor-1242					6	113.40	
3.27	3.30	3.33	1717.187622	14.506266			1
3.61	3.61	3.67	15679.42773	106.641788			2
3.83	3.83	3.89	60334.22265	346.760148			3
3.90	3.94	3.96	5317.299316	35.317929			4
+ 3.97	3.97	4.03	2737.759766	30.494263			5
3.97	4.00	4.03	10232.69921	113.975895			5
+ 4.10	4.10	4.16	4738.948242	43.188274			6
4.10	4.12	4.16	3964.099121	36.126708			6
Height Summation:			97244.935668				
Amount Avg CF:			108.888122	Linear:			
Aroclor-1248					6	130.20	
+ 3.96	3.97	4.02	2737.759766	16.940919			1
3.96	4.00	4.02	10232.69921	63.318679			1
+ 4.09	4.10	4.15	4738.948242	25.43604			2
4.09	4.12	4.15	3964.099121	21.27708			2
4.19	4.22	4.25	11188.19238	67.361811			3
4.37	4.38	4.43	488441.75	3360.795833			4
+ 4.37	4.43	4.43	37880.625	260.643253			4
4.51	4.55	4.57	563833.5625	3352.862786			5
4.78	4.81	4.84	1032373.75	8530.272419			6
Height Summation:			2110034.053223				
Amount Avg CF:			2565.981435	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 17:12:51
Instrument : P 20--17342B
Result file : 6p20188B.0016.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 89% (33-143) Conc.: 9.040268
%SSR(DCB) : 112% (24-164) Conc.: 11.108307

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					8	106.92	
3.11	3.11	3.17	12324.79687	16.859753			1
3.11	3.15	3.17	174451.4062	238.641463			1
+ 3.11	3.16	3.17	326655.4375	446.849546			1
3.45	3.48	3.51	77039.78906	86.201753			2
3.65	3.66	3.70	9702.128906	9.563265			3
3.72	3.75	3.78	21903.68164	20.886495			4
+ 3.79	3.79	3.85	29907.09570	45.673598			5
3.79	3.82	3.85	57544.53515	87.881017			5
3.79	3.84	3.85	12497.74023	19.086332			5
3.90	3.92	3.96	80699.61718	93.88093			6
Height Summation:			446163.695313				
Amount Avg CF:			71.625126	Linear:			
Aroclor-1221					4	84.96	
2.99	3.02	3.05	69382.10937	172.202697			1
+ 2.99	3.05	3.05	11495.76367	28.531873			1
3.05	3.08	3.11	12269.14550	42.016091			2
3.11	3.11	3.17	12324.79687	12.155972			3
3.11	3.15	3.17	174451.4062	172.061767			3
+ 3.11	3.16	3.17	326655.4375	322.180904			3
Height Summation:			268427.458008				
Amount Avg CF:			99.609132	Linear:			
Aroclor-1232					8	114.74	
3.11	3.11	3.17	12324.79687	12.218353			1
3.11	3.15	3.17	174451.4062	172.944744			1
+ 3.11	3.16	3.17	326655.4375	323.834254			1
3.45	3.48	3.51	77039.78906	162.632874			2
3.65	3.66	3.71	9702.128906	18.399993			3
3.72	3.75	3.78	21903.68164	40.626117			4
+ 3.79	3.79	3.85	29907.09570	320.302994			5
3.79	3.82	3.85	57544.53515	616.298121			5
3.79	3.84	3.85	12497.74023	133.849962			5
3.90	3.92	3.96	80699.61718	202.779282			6
Height Summation:			446163.695313				
Amount Avg CF:			169.968681	Linear:			
Aroclor-1242					8	103.78	
3.11	3.11	3.17	12324.79687	20.357931			1
3.11	3.15	3.17	174451.4062	288.156443			1
+ 3.11	3.16	3.17	326655.4375	539.564976			1
3.45	3.48	3.51	77039.78906	107.977368			2
3.65	3.66	3.71	9702.128906	12.252038			3
3.72	3.75	3.78	21903.68164	26.621148			4
+ 3.79	3.79	3.85	29907.09570	196.697288			5
3.79	3.82	3.85	57544.53515	378.467175			5
3.79	3.84	3.85	12497.74023	82.196935			5
3.90	3.92	3.96	80699.61718	119.011136			6
Height Summation:			446163.695313				
Amount Avg CF:			129.380022	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706989** ACF DF100 TS-45 Sample ID: AE **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:12:51
Instrument : P 20--17342A
Result file : 6p20188.0016.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	119.46	
4.51	4.55	4.58	563833.5625	1822.0782			1
4.72	4.76	4.78	616664.6875	3091.22855			2
4.78	4.81	4.84	1032373.75	2714.784578			3
5.00	5.03	5.06	546453.375	1816.159476			4
+ 5.00	5.06	5.06	13836.06347	45.984706			4
5.20	5.23	5.26	2906170	12365.71343			5
5.32	5.35	5.38	7540790.5	24877.772002			6
Height Summation:			**13206285.875000**				
Amount Avg CF:			**7781.289373**	Linear:			
Aroclor-1260					6	10.12	
5.11	5.14	5.17	6760381	18584.111175			1
5.20	5.23	5.26	2906170	16839.941047			2
5.32	5.35	5.38	7540790.5	18960.20141			3
5.38	5.41	5.44	4409672	19944.891153			4
5.99	6.02	6.05	6740048.5	22691.120284			5
6.42	6.45	6.48	2787320	20555.111243			6
Height Summation:			**31144382.000000**				
Amount Avg CF:			**19595.896052**	Linear:			
Aroclor-1262					6	26.93	
E 5.11	5.14	5.17	6760381	22482.196503			1
E 5.38	5.41	5.44	4409672	11264.447595			2
E 5.55	5.58	5.61	4792666	17716.857504			3
E 5.79	5.82	5.85	13572999	18409.300169			4
E 5.99	6.02	6.05	6740048.5	16385.484779			5
E 6.43	6.45	6.49	2787320	11230.259569			6
Height Summation:			**39063086.500000**				
Amount Avg CF:			**16248.09102**	Linear:			
Aroclor-1268					6	115.97	
E 5.99	6.02	6.05	6740048.5	8416.269415			1
6.05	6.07	6.11	1910134.75	2766.705437			2
6.18	6.21	6.24	110200.6093	176.00904			3
6.25	6.27	6.31	139083.5156	816.04696			4
E+ 6.25	6.30	6.31	1176369.375	6902.131056			4
E 6.43	6.45	6.49	2787320	9763.981102			5
6.63	6.66	6.69	513731.5625	286.263115			6
Height Summation:			**12200518.937500**				
Amount Avg CF:			**3704.212512**	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 17:12:51
Instrument : P 20--17342B
Result file : 6p20188B.0016.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					9	162.69	
+ 3.79	3.79	3.85	29907.09570	35.752622			1
3.79	3.82	3.85	57544.53515	68.791969			1
3.79	3.84	3.85	12497.74023	14.940501			1
3.90	3.92	3.96	80699.61718	66.111115			2
+ 4.14	4.14	4.20	38322.11718	22.188706			3
4.14	4.17	4.20	2939564.5	1702.023199			3
4.14	4.20	4.20	68894.14062	39.890067			3
4.47	4.50	4.53	942958.3125	1701.919598			4
+ 4.54	4.55	4.60	1116816.5	1416.458731			5
4.54	4.58	4.60	12878795	16334.179896			5
+ 4.71	4.71	4.77	753972.0625	1094.600349			6
4.71	4.74	4.77	1133726.75	1645.919998			6
4.71	4.76	4.77	9692232	14070.97299			6
Height Summation:			**27806912.595703**				
Amount Avg CF:			**3960.527704**	Linear:			
Aroclor-1254					7	140.68	
4.47	4.50	4.53	942958.3125	677.456271			1
+ 4.54	4.55	4.60	1116816.5	472.190941			2
4.54	4.58	4.60	12878795	5445.165188			2
+ 4.71	4.71	4.77	753972.0625	386.058888			3
4.71	4.74	4.77	1133726.75	580.505977			3
4.71	4.76	4.77	9692232	4962.746626			3
E 4.78	4.81	4.84	59073404	47228.51048			4
4.95	4.98	5.01	4115249.25	3290.092641			5
5.03	5.06	5.09	48252196	24631.627721			6
Height Summation:			**136088561.31250**				
Amount Avg CF:			**12402.300701**	Linear:			
Aroclor-1260					6	11.11	
4.78	4.81	4.84	59073404	20246.137568			1
4.89	4.92	4.95	37493584	17781.057673			2
5.03	5.06	5.09	48252196	21836.526411			3
5.26	5.29	5.32	34670284	21274.184793			4
+ 5.26	5.32	5.32	3056238.75	1875.352043			4
5.45	5.48	5.51	117132792	24990.00573			5
6.10	6.13	6.16	21112612	22250.447561			6
Height Summation:			**317734872.00000**				
Amount Avg CF:			**21396.393289**	Linear:			
Aroclor-1262					6	34.84	
E 4.89	4.92	4.95	37493584	20474.869618			1
E 5.06	5.09	5.12	33950288	10456.16821			2
E 5.26	5.29	5.32	34670284	13648.4507			3
+ 5.26	5.32	5.32	3056238.75	1203.131878			3
E 5.45	5.48	5.51	117132792	18434.445464			4
E 5.67	5.70	5.73	17842926	7855.752621			5
E 6.10	6.13	6.16	21112612	12002.266793			6
Height Summation:			**262202486.00000**				
Amount Avg CF:			**13811.992234**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706989** ACF DF100 TS-45 Sample ID: AE **Batchnumber: 121840016A**
Sample Amount: 30.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:12:51
Instrument : P 20--17342A
Result file : 6p20188.0016.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 11, 2012 17:12:51
Instrument : P 20--17342B
Result file : 6p20188B.0016.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					7	142.28	
5.67	5.70	5.73	17842926	2446.187307			1
E 5.72	5.75	5.78	68832096	10987.511258			2
5.87	5.90	5.93	945485.0625	226.172925			3
+ 5.94	5.94	6.00	1520182.75	1371.006283			4
5.94	5.97	6.00	224096.3437!	202.105632			4
5.94	5.99	6.00	38018.31640(	34.287556			4
E 6.10	6.13	6.16	21112612	10283.706424			5
6.30	6.33	6.36	3125593.75	218.20596			6

Height Summation: **112120827.47265(**
Amount Avg CF: **3485.453866** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1683.1684	356.4357		23.13	4	40	
Aroclor-1221			1683.1684	455.4456		** 136.29	3	40	
Aroclor-1232			1683.1684	792.0792		2.29	4	40	
Aroclor-1242			1683.1684	326.7327		17.20	4	40	
Aroclor-1248			1683.1684	326.7327		** 42.73	4	40	
Aroclor-1254			1683.1684	326.7327		** 45.79	4	40	
Aroclor-1260			1683.1684	485.1485		8.78	4	40	
Aroclor-1262			1683.1684	326.7327	E	16.21	4	40	
Aroclor-1268			1683.1684	326.7327	E	6.09	4	40	
Total PCBs			1683.1684	326.7327					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706989ACF DF100 AETS-45 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/11/2012 5:12:50 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0016.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.566		2642	5078
2.586		5421	10371
2.646		6224	6617
2.669		7267	12065
2.732		25207	25470
2.753		52355	48237
2.819		2690	8694
2.861		1728	678
2.909		9593	8410
2.952		2476	3556
2.994		3594	4301
3.037	TCX	82397	60985
3.063		6860	6035
3.15		13807	10947
3.194		1645	1325
3.211		1950	1440
3.268		1640	4514
3.296		1717	1274
3.35		78893	48018
3.365		77731	42535
3.409		1258	1106
3.444		4253	5189
3.521		5579	9452
3.578		2410	2504
3.615		15679	32111
3.668		5706	12005
3.685		2100	1009
3.735		2874	4280
3.762		2058	808
3.797		3974	2917
3.834		60334	56579
3.936		5317	11451
3.973		2738	1953
3.997		10233	10108
4.039		7032	9900
4.102		4739	3291
4.124		3964	2548
4.169		2123	988
4.222		11188	12940
4.262		3095	1748
4.294		7382	9348
4.348		4824	4413
4.384		488442	518324
4.43		37881	30824
4.468		2573	2960
4.501		154891	153455
4.546		563834	615430
4.581		111825	105007
4.623		23373	19932
4.648		15463	11329
4.69		95967	97288
4.761		616665	858707
4.809		1032374	1121147
4.856		1893921	2417441

ASX67 6322

RT A	Compound A	Height A	Area A
4.895		346626	272897
4.936		4221517	4808937
4.986		26400	19995
5.028		546453	696201
5.06		13836	7328
5.088		1156198	1296745
5.141		6760381	9390804
5.192		972269	993273
5.234		2906170	3658634
5.277		15566	7676
5.313		579771	686574
5.35		7540791	9273055
5.413		4409672	4815659
5.457		2886515	3289868
5.514		2619	1749
5.579		4792666	7682006
5.638		2205584	2411003
5.676		1203436	1322241
5.719		236191	260821
5.761		1425513	1486143
5.818		13573000	16256650
5.908		32954	66764
5.977		41507	62101
6.025		6740049	7757267
6.07		1910135	3658873
6.212		110201	226416
6.272		139084	109309
6.298		1176369	1230699
6.359		10384	10293
6.455		2787320	3340621
6.499		154115	175125
6.566		2997	5141
6.657		513732	645040
6.806	DCB	63393	109379
6.881		23671	27677
6.982		13482	22274
7.088		21043	29549
7.14		3332	2604
7.193		1935	739
7.304		1366	1876
7.514		16289	61792
7.642		1386	1204
7.769		1212	606
7.877		1582	1511
8.089		6584	13080
8.271		1701	1827
8.423		1452	641
8.447		2216	3183
8.59		1274	731

ASX67 0323

LANCASTER LABORATORIES

Sample Number: 6706989ACF DF100 AETS-45 T 121840016A 10736 Injection Volume: 1 ulSW-846 8082
Injected On: 7/11/2012 5:12:50 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0016.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.523		45701	45499
2.583		283697	326853
2.647		36784	25412
2.662		28857	18012
2.69		28917	33654
2.713		34629	34085
2.751		8258	5028
2.765		22910	30635
2.816		14659	11692
2.845	TCX	409663	292444
2.903		30077	34474
2.935		22405	19423
2.944		11641	3646
2.955		11552	5138
2.989		25984	34007
3.017		69382	51212
3.048		11496	10756
3.076		12269	7593
3.113		12325	7773
3.152		174451	104902
3.163		326655	167382
3.203		14506	12971
3.229		15366	6955
3.301		11801	12830
3.366		29530	56905
3.417		9853	7658
3.436		9054	4395
3.484		77040	183897
3.539		67926	132195
3.567		23935	20832
3.587		285392	203382
3.625		7604	4227
3.664		9702	4234
3.754		21904	23778
3.787		29907	18107
3.819		57545	50175
3.842		12498	7268
3.876		30291	53478
3.923		80700	70177
3.969		39080	110174
3.991		74728	66352
4.03		79999	132245
4.072		40217	33905
4.102		9166	7945
4.115		15120	6078
4.143		38322	29296
4.171		2939565	2442348
4.199		68894	37014
4.238		920737	870599
4.278		3772404	3249229
4.312		643438	518082
4.337		229243	532749
4.408		132055	130458
4.438		414780	326758

ASX67 0324

RT B	Compound B	Height B	Area B
4.457		121040	79138
4.499		942958	913168
4.547		1116817	806853
4.577		12878800	13512900
4.606		4598494	5189477
4.663		29255940	28527060
4.71		753972	681741
4.737		1133727	779003
4.762		9692232	8720623
4.807		59073400	55848440
4.865		93824	101885
4.921		37493580	38947340
4.98		4115249	4223638
5.018		12806590	12245820
5.057		48252200	47121640
5.09		33950290	30276930
5.132		23107080	22641770
5.199		177184	261539
5.237		7372911	9033577
5.289		34670280	32502030
5.316		3056239	2203824
5.364		20306440	20984390
5.401		8624348	7076153
5.426		6257666	5294009
5.483		117132800	118358100
5.524		1636761	1283736
5.561		2649873	2609589
5.597		57313	39334
5.62		64040	43105
5.699		17842930	18612890
5.745		68832100	75109580
5.901		945485	1010978
5.944		1520183	1378121
5.97		224096	158099
5.994		38018	19777
6.022		8874460	8809503
6.058		47370	43147
6.126		21112610	20050410
6.158		657414	476469
6.206		13566	55072
6.328		3125594	3409028
6.491	DCB	352272	418092
6.528		23378	28429
6.68		119135	117894
6.717		21516	22318
6.906		42231	47823
6.955		69909	66365
7.144		11352	9879
7.336		9299	20386
7.509		27356	38732
7.671		4962	2530
7.799		4404	2784
7.902		3916	2363
8.186		4726	9262
8.228		9146	18817
8.324		7658	11246
8.523		5338	9200
8.646		5445	7849

6706989ACF DF100 AETS-45 T 121840016A 10736 SW-846 8082

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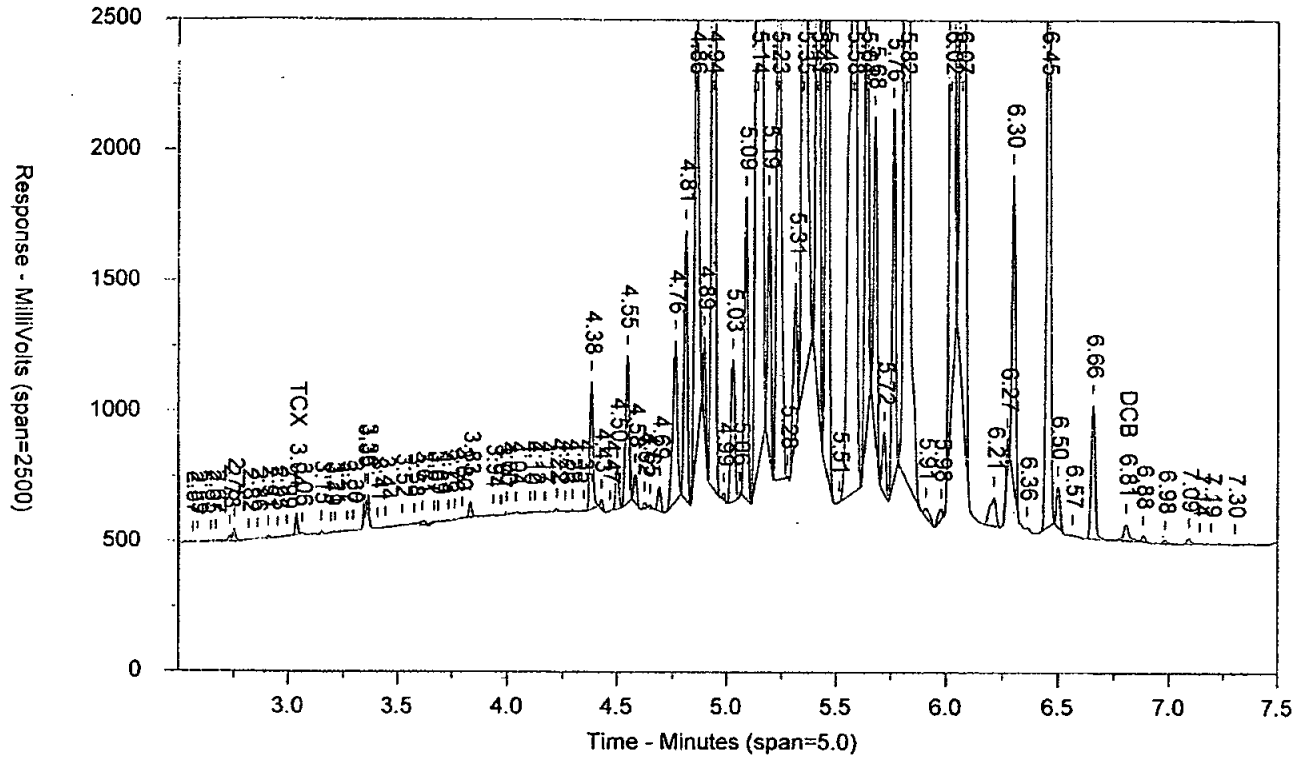

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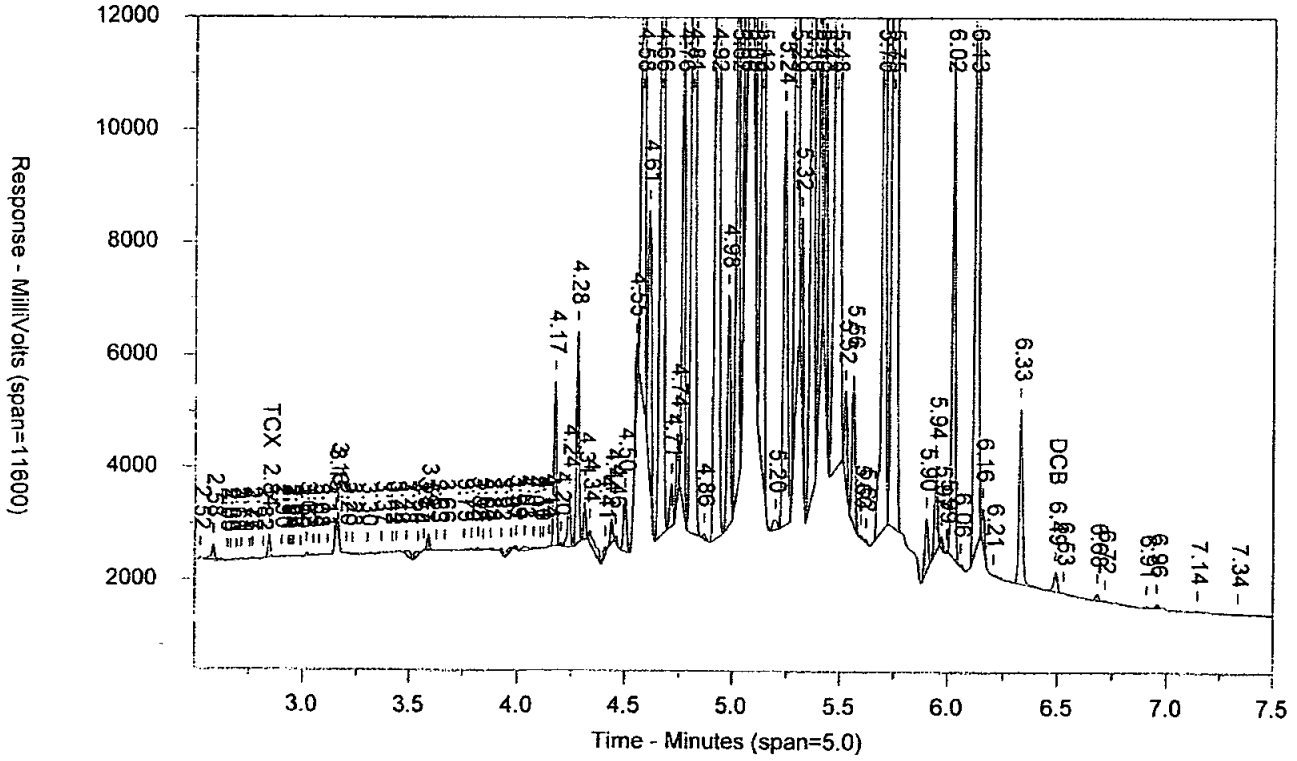

ASX67 0326

LANCASTER LABORATORIES

Sample Number: 6706989ACF DF100 AETS-45 T 121840016A 10736 Sample Weight: 3SW-846 8082
Injected On: 7/11/2012 5:12:50 PM Dilution Factor: 1000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	82397	10.532	TCX	2.845	409663	9.04	TCX
6.806	63393	14.523	DCB	6.491	352272	11.108	DCB

Files:
Area File: 6p20188.0016.RAW
Area File: 6p20188B.0016.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 5:21:31 PM
File Reported On: 7/11/2012 at 5:21:36 PM

ASX67 8327

6706989ACF DF100 AETS-45 T 121840016A 10736 SW-846 8082

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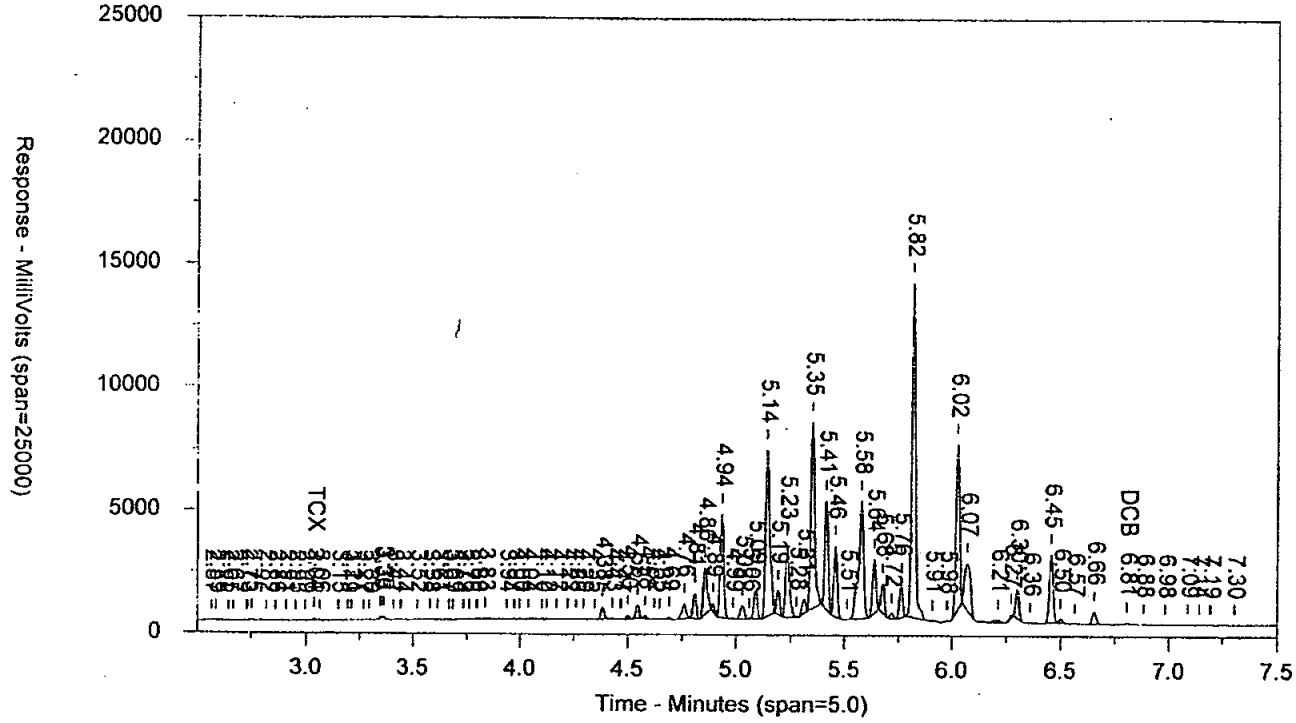

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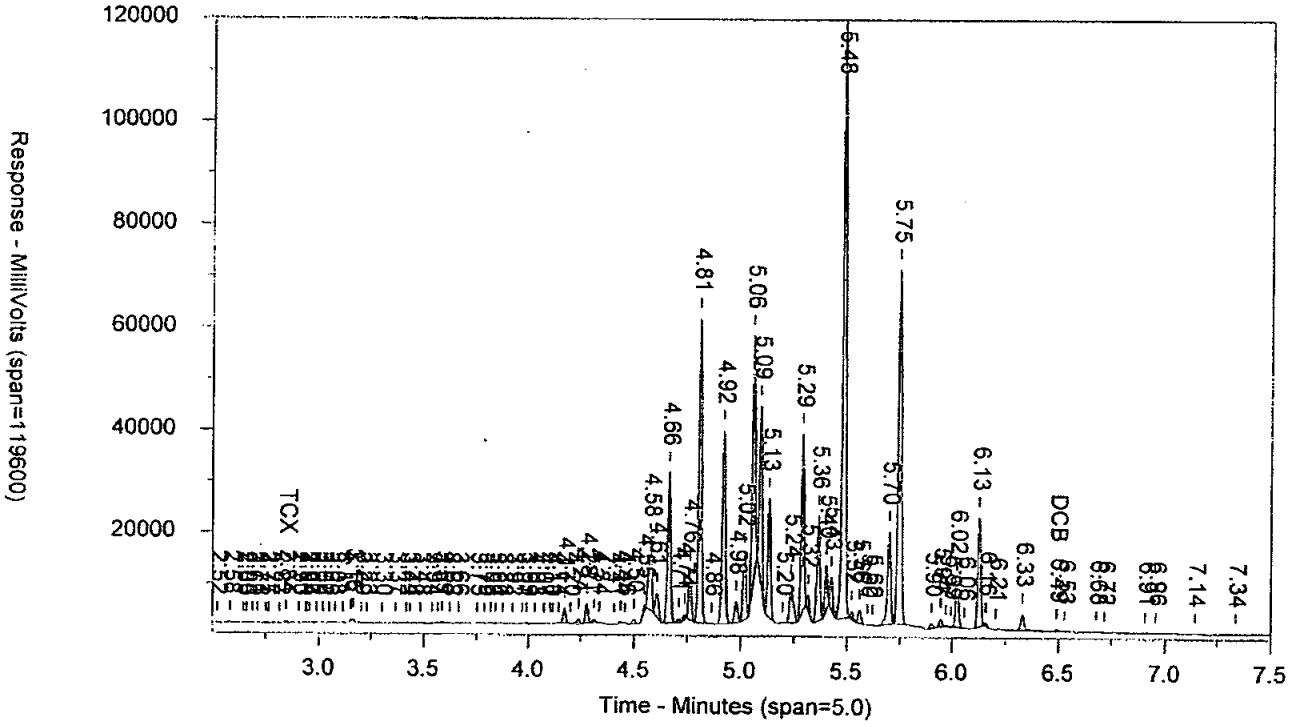

ASX67 B32B

Data Summary

Sample Name: 6706990 ACF DF100 TS-46 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 06, 2012 20:04:55
Instrument	17342A
Result file	1P20188.0068.RAW
Calibration file	1P20188
Method file	PESTDI20

%SSR(TCX) 99% (33 - 143) Conc: 10.151896
%SSR(DCB) 158% (24 - 164) Conc: 15.69865

Analysis Report (B)

Injected on	Jul 06, 2012 20:04:55
Instrument	17342B
Result file	1P20188B.0068.RAW
Calibration file	1P20188B
Method file	PESTDI20B

%SSR(TCX) 81% (33 - 143) Conc: 8.313822
%SSR(DCB) 111% (24 - 164) Conc: 11.112065

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	78899	10.151896	Tetrachloro-m-xylene	2.82	2.84	2.86	374257	8.313822
Decachlorobiphenyl	6.78	6.80	6.82	68071	15.69865	Decachlorobiphenyl	6.47	6.49	6.51	350065	11.112065

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	10.151896				19.91	
☑	Decachlorobiphenyl	A	15.69865				34.21	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.27**	
5.11	5.14	5.17	5167205	14298.89354			1
5.20	5.23	5.26	2309300.5	13470.26438			2
5.32	5.35	5.38	7517535	19027.321153			3
5.38	5.41	5.44	3913921.25	17820.241501			4
5.99	6.02	6.05	6040980	20472.76177			5
6.42	6.45	6.48	2557669.75	18986.879147			6

Height summation: **27506611.5**
Concentration CF: **17346.060249** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.98**	
4.78	4.81	4.84	41788524	14417.280126			1
4.89	4.92	4.95	27574758	13164.017847			2
5.03	5.06	5.09	42593300	19403.669993			3
5.26	5.29	5.32	27691094	17104.554241			4
5.45	5.48	5.51	100044136	21486.00225			5
6.10	6.13	6.16	17281694	18334.08389			6

Height summation: **256973506**
Concentration CF: **17318.268058** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑	Aroclor-1016			<1694.3521	<358.804			4	40	
☑	Aroclor-1221			<1694.3521	<458.4717			3	40	
☑	Aroclor-1232			<1694.3521	<797.3422			4	40	
☑	Aroclor-1242			<1694.3521	<328.9036			4	40	
☑	Aroclor-1248			<1694.3521	<328.9036			4	40	
☑	Aroclor-1254			<1694.3521	<328.9036			4	40	
☑	Aroclor-1260	A	17346.060249	1694.3521	488.3721		0.16	4	40	
☐	Aroclor-1262			<1694.3521	<328.9036			4	40	
☐	Aroclor-1268			<1694.3521	<328.9036			4	40	
☐	Total PCBs	A	17346.060249	1694.3521	328.9036		200.00			

Units: ug/kg

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

Jennifer E. Lewis
Jenifer E. Lewis
Manager

Reviewed by: Jessica L. Miller
Jessica L. Miller
Chemist

Verified by: JUL 13 2012

Date: JUL 13 2012

Date:

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706990** ACF DF100 TS-46 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 20:04:55
Instrument : P 20--17342A
Result file : 1p20188.0068.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 99% (33-143) Conc.: 10.151896
%SSR(DCB) : 158% (24-164) Conc.: 15.69865

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					7	68.17	
3.27	3.30	3.33	2910.306152	20.681605			1
+ 3.27	3.32	3.33	1948.970703	13.850035			1
3.61	3.62	3.66	8369.948242	47.366388			2
3.61	3.65	3.66	1688.940552	9.557886			2
+ 3.61	3.66	3.66	6029.492188	34.121509			2
3.83	3.86	3.89	1921.933105	9.372712			3
3.89	3.92	3.95	5578.576172	29.993247			4
3.96	4.01	4.02	7583.240234	67.351282			5
+ 4.09	4.10	4.15	4770.713867	37.476572			6
4.09	4.12	4.15	3871.640381	30.413857			6
Height Summation:			**31924.584838**				
Amount Avg CF:			**30.676711**	Linear:			
Aroclor-1221					4	22.85	
3.16	3.19	3.22	1503.343994	20.227684			1
+ 3.22	3.23	3.28	1743.93335	27.421787			2
3.22	3.24	3.28	1651.309082	25.965353			2
3.22	3.25	3.28	1615.670654	25.404971			2
3.27	3.30	3.33	2910.306152	15.376882			3
+ 3.27	3.32	3.33	1948.970703	10.297574			3
Height Summation:			**7680.629882**				
Amount Avg CF:			**21.743723**	Linear:			
Aroclor-1232					7	82.41	
3.27	3.30	3.33	2910.306152	14.681549			1
+ 3.27	3.32	3.33	1948.970703	9.831924			1
3.61	3.62	3.67	8369.948242	86.229563			2
3.61	3.65	3.67	1688.940552	17.399941			2
+ 3.61	3.66	3.67	6029.492188	62.117526			2
3.83	3.86	3.89	1921.933105	16.916325			3
+ 3.83	3.89	3.89	2638.999268	23.227743			3
3.90	3.92	3.95	5578.576172	55.954929			4
3.96	4.01	4.02	7583.240234	139.578824			5
+ 4.10	4.10	4.16	4770.713867	72.663849			6
4.10	4.12	4.16	3871.640381	58.969852			6
Height Summation:			**31924.584838**				
Amount Avg CF:			**55.675855**	Linear:			
Aroclor-1242					7	70.42	
3.27	3.30	3.33	2910.306152	24.748716			1
+ 3.27	3.32	3.33	1948.970703	16.573694			1
3.61	3.62	3.67	8369.948242	57.305473			2
3.61	3.65	3.67	1688.940552	11.563457			2
+ 3.61	3.66	3.67	6029.492188	41.281367			2
3.83	3.86	3.89	1921.933105	11.119361			3
+ 3.83	3.89	3.89	2638.999268	15.267954			3
3.90	3.92	3.96	5578.576172	37.299551			4
3.97	4.01	4.03	7583.240234	85.026389			5
+ 4.10	4.10	4.16	4770.713867	43.766657			6
4.10	4.12	4.16	3871.640381	35.518533			6
Height Summation:			**31924.584838**				
Amount Avg CF:			**37.51164**	Linear:			

Analysis Report (B)

Injected on : JUL 06, 2012 20:04:55
Instrument : P 20--17342B
Result file : 1p20188B.0068.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 81% (33-143) Conc.: 8.313822
%SSR(DCB) : 111% (24-164) Conc.: 11.112065

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	178.61	
3.11	3.15	3.17	594730.125	818.969041			1
+ 3.45	3.45	3.51	11816.95996	13.310148			2
3.45	3.47	3.51	30151.56640	33.961512			2
3.65	3.66	3.70	35999.56640	35.720089			3
+ 3.65	3.70	3.70	12664.94824	12.566626			3
+ 3.72	3.73	3.78	9567.8125	9.184113			4
3.72	3.76	3.78	25385.71679	24.367669			4
+ 3.79	3.79	3.85	19179.64453	29.485443			5
3.79	3.83	3.85	30972.46679	47.614903			5
3.90	3.92	3.96	85446.77343	100.063962			6
Height Summation:			**802686.214844**				
Amount Avg CF:			**176.782863**	Linear:			
Aroclor-1221					3	80.33	
2.99	3.02	3.05	17150.78515	42.850172			1
+ 2.99	3.04	3.05	19583.79687	48.928901			1
3.05	3.10	3.11	118388.1406	408.117906			2
3.11	3.15	3.17	594730.125	590.481043			3
Height Summation:			**730269.050781**				
Amount Avg CF:			**347.149707**	Linear:			
Aroclor-1232					6	97.10	
3.11	3.15	3.17	594730.125	593.511242			1
3.45	3.47	3.51	30151.56640	64.073618			2
3.65	3.66	3.71	35999.56640	68.726464			3
+ 3.65	3.70	3.71	12664.94824	24.178544			3
+ 3.72	3.73	3.78	9567.8125	17.863928			4
3.72	3.76	3.78	25385.71679	47.397315			4
+ 3.79	3.79	3.85	19179.64453	206.777571			5
3.79	3.83	3.85	30972.46679	333.917109			5
3.90	3.92	3.96	85446.77343	216.1344			6
Height Summation:			**802686.214844**				
Amount Avg CF:			**220.626691**	Linear:			
Aroclor-1242					6	155.35	
3.11	3.15	3.17	594730.125	988.894396			1
3.45	3.47	3.51	30151.56640	42.540604			2
3.65	3.66	3.71	35999.56640	45.763019			3
+ 3.65	3.70	3.71	12664.94824	16.099812			3
+ 3.72	3.73	3.78	9567.8125	11.705728			4
3.72	3.76	3.78	25385.71679	31.058123			4
+ 3.79	3.79	3.85	19179.64453	126.981603			5
3.79	3.83	3.85	30972.46679	205.057684			5
3.90	3.92	3.96	85446.77343	126.849253			6
Height Summation:			**802686.214844**				
Amount Avg CF:			**240.02718**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706990** ACF DF100 TS-46 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 20:04:55
Instrument : P 20--17342A
Result file : 1p20188.0068.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	207.29	
3.97	4.01	4.03	7583.240234	46.161874			1
+ 4.10	4.10	4.16	4770.713867	25.239178			2
4.10	4.12	4.16	3871.640381	20.482683			2
4.19	4.22	4.25	7025.270508	42.620568			3
+ 4.38	4.38	4.44	55736.45312!	387.342741			4
4.38	4.40	4.44	7845.67041	54.523805			4
4.38	4.43	4.44	19035.48632!	132.287884			4
4.51	4.54	4.57	99544.73437!	594.568206			5
4.78	4.81	4.84	461138.3437!	3723.952624			6
Height Summation:			**606044.385986**				
Amount Avg CF:			**659.228235**	Linear:			
Aroclor-1254					6	141.18	
4.51	4.54	4.58	99544.73437!	323.825093			1
4.72	4.76	4.78	557024.1875	2810.81465			2
4.78	4.81	4.84	461138.3437!	1220.691089			3
5.00	5.02	5.06	428112.5312!	1432.303085			4
5.20	5.23	5.26	2309300.5	9891.330895			5
5.32	5.35	5.38	7517535	24965.840141			6
Height Summation:			**11372655.296875**				
Amount Avg CF:			**6774.134159**	Linear:			
Aroclor-1260					6	16.27	
5.11	5.14	5.17	5167205	14298.89354			1
5.20	5.23	5.26	2309300.5	13470.26438			2
5.32	5.35	5.38	7517535	19027.321153			3
5.38	5.41	5.44	3913921.25	17820.241501			4
5.99	6.02	6.05	6040980	20472.76177			5
6.42	6.45	6.48	2557669.75	18986.879147			6
Height Summation:			**27506611.500000**				
Amount Avg CF:			**17346.060249**	Linear:			
Aroclor-1262					6	22.41	
E 5.11	5.14	5.17	5167205	17298.138788			1
E 5.38	5.41	5.44	3913921.25	10064.49095			2
E 5.55	5.58	5.61	4242763.5	15788.267303			3
E 5.79	5.81	5.85	12224112	16689.944824			4
E 5.99	6.02	6.05	6040980	14783.585921			5
E 6.43	6.45	6.49	2557669.75	10373.457905			6
Height Summation:			**34146651.500000**				
Amount Avg CF:			**14166.314282**	Linear:			
Aroclor-1268					6	117.84	
E 5.99	6.02	6.05	6040980	7593.467249			1
6.05	6.07	6.11	1653081.25	2410.289654			2
6.18	6.21	6.24	105985.2109!	170.401089			3
6.25	6.27	6.31	111950.9140!	661.215848			4
+ 6.25	6.29	6.31	1007943.625	5953.218909			4
E 6.43	6.45	6.49	2557669.75	9019.047719			5
6.63	6.65	6.69	448903.75	251.801607			6
Height Summation:			**10918570.875001**				
Amount Avg CF:			**3351.037194**	Linear:			

Analysis Report (B)

Injected on : JUL 06, 2012 20:04:55
Instrument : P 20--17342B
Result file : 1p20188B.0068.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	240.19	
3.76	3.79	3.82	19179.64453	22.375358			1
3.90	3.92	3.96	85446.77343!	73.260561			2
4.00	4.03	4.06	41541.5625	54.548354			3
+ 4.14	4.14	4.20	38366.98828	57.999729			4
4.14	4.17	4.20	358262.8125	541.589192			4
4.14	4.20	4.20	69220	104.640511			4
4.29	4.31	4.35	225163.5312!	312.460399			5
+ 4.54	4.55	4.60	1496153.625	2005.862311			6
E 4.54	4.58	4.60	9566425	12825.508716			6
Height Summation:			**10365239.324219**				
Amount Avg CF:			**1990.626156**	Linear:			
Aroclor-1254					7	133.69	
4.47	4.50	4.53	264034.3437!	190.952484			1
+ 4.54	4.55	4.60	1496153.625	636.778126			2
4.54	4.58	4.60	9566425	4071.567308			2
+ 4.71	4.71	4.77	569551.375	293.567061			3
4.71	4.74	4.77	639195.9375	329.464349			3
4.71	4.76	4.77	8867555	4570.653629			3
E 4.78	4.81	4.84	41788524	33631.435292			4
4.95	4.98	5.01	3722659.75	2995.997486			5
5.03	5.06	5.09	42593300	21887.362793			6
Height Summation:			**107441694.03125!**				
Amount Avg CF:			**9668.204763**	Linear:			
Aroclor-1260					6	17.98	
4.78	4.81	4.84	41788524	14417.280126			1
4.89	4.92	4.95	27574758	13164.017847			2
5.03	5.06	5.09	42593300	19403.669993			3
5.26	5.29	5.32	27691094	17104.554241			4
+ 5.26	5.32	5.32	3262083.25	2014.961196			4
5.45	5.48	5.51	100044136	21486.00225			5
6.10	6.13	6.16	17281694	18334.08389			6
Height Summation:			**256973506.00000!**				
Amount Avg CF:			**17318.268058**	Linear:			
Aroclor-1262					6	32.29	
E 4.89	4.92	4.95	27574758	15158.353008			1
E 5.06	5.09	5.12	29480210	9139.781005			2
E 5.26	5.29	5.32	27691094	10973.42472			3
+ 5.26	5.32	5.32	3262083.25	1292.698114			3
E 5.45	5.48	5.51	100044136	15849.637691			4
5.67	5.70	5.73	14541932	6444.95594			5
E 6.10	6.13	6.16	17281694	9889.714158			6
Height Summation:			**216613824.00000!**				
Amount Avg CF:			**11242.64442**	Linear:			
Aroclor-1268					6	126.65	
5.67	5.70	5.73	14541932	2006.882113			1
E 5.72	5.75	5.78	57982916	9317.180515			2
5.87	5.90	5.93	678031.5625	163.272097			3
+ 5.94	5.95	6.00	1195349.875	1085.212541			4
5.94	5.97	6.00	309534.8125	281.014846			4
E 6.10	6.13	6.16	17281694	8473.642419			5
6.30	6.33	6.36	2888479.5	202.992264			6
Height Summation:			**93682587.875000**				
Amount Avg CF:			**3407.497376**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1694.3521	358.804		** 140.85	4	40	

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706990** ACF DF100 TS-46 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 20:04:55
Instrument : P 20--17342A
Result file : 1p20188.0068.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 06, 2012 20:04:55
Instrument : P 20--17342B
Result file : 1p20188B.0068.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1221			1694.3521	458.4717		** 176.42	3	40	
Aroclor-1232			1694.3521	797.3422		** 119.40	4	40	
Aroclor-1242			1694.3521	328.9036		** 145.94	4	40	
Aroclor-1248			1694.3521	328.9036		** 100.49	4	40	
Aroclor-1254			1694.3521	328.9036		35.20	4	40	
Aroclor-1260			1694.3521	488.3721		0.16	4	40	
Aroclor-1262			1694.3521	328.9036	E	23.01	4	40	
Aroclor-1268			1694.3521	328.9036	E	1.67	4	40	
Total PCBs			1694.3521	328.9036					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706990ACF DF100 ACTS-46 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 8:04:54 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0068.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.55		2100	2808
2.585		1596	3676
2.646		6566	6292
2.662		6328	6997
2.705		1996	1938
2.73		9872	7533
2.751		34181	29898
2.817		3830	7538
2.877		1585	2463
2.909		21156	15467
2.962		1508	3792
2.993		3300	2937
3.036	TCX	78899	57261
3.059		10041	9027
3.124		4049	3427
3.151		5543	3646
3.187		1503	1040
3.228		1744	485
3.242		1651	709
3.254		1616	760
3.305		2910	5508
3.321		1949	763
3.362		94563	103083
3.39		10032	10562
3.445		13674	36109
3.496		2195	1149
3.518		2408	1871
3.583		3063	3017
3.624		8370	10328
3.651		1689	561
3.664		6029	9255
3.7		2568	1219
3.719		2727	1714
3.749		2409	1424
3.769		3390	2098
3.794		8331	6742
3.823		5619	6068
3.857		1922	1126
3.892		2639	2027
3.92		5579	42906
4.008		7583	18592
4.035		9595	11392
4.081		2306	536
4.101		4771	3871
4.122		3872	3363
4.164		20910	29393
4.216		7025	7482
4.289		6049	15594
4.383		55736	47586
4.403		7846	3985
4.426		19035	14470
4.478		1622	2741
4.498		28268	27406
4.542		99545	108755

ASX67 0333

RT A	Compound A	Height A	Area A
4.577		36974	35229
4.621		21499	20332
4.662		2960	1575
4.688		26818	26054
4.758		557024	661239
4.806		461138	505628
4.854		1684508	2274975
4.892		128938	91680
4.933		3130069	3551587
4.982		10278	7025
5.024		428113	565979
5.085		1163865	1315227
5.138		5167205	7076490
5.188		946913	967381
5.231		2309301	2882378
5.274		44445	24018
5.311		505065	585285
5.346		7517535	9047967
5.411		3913921	4293113
5.454		2631188	2902153
5.575		4242764	6894692
5.633		2041584	2185125
5.673		1119730	1201152
5.715		197565	199795
5.758		1180609	1214195
5.815		12224110	14227630
5.903		32845	64177
5.978		14538	46365
6.022		6040980	6782523
6.07		1653081	3221091
6.207		105985	217864
6.27		111951	96236
6.295		1007944	1060792
6.356		14761	15106
6.451		2557670	2994949
6.497		152242	158660
6.654		448904	600647
6.739		1453	750
6.802	DCB	68071	78088
6.838		47946	142219
6.975		12333	15465
7.086		3619	5566
7.163		5990	9627
7.227		5158	8238
7.366		3471	5249
7.508		560362	2222957
7.651		1566	948
7.723		4069	9817
7.824		1065	595
7.857		1867	1647
7.915		2774	4232
8.052		1134	544
8.091		3457	5203
8.216		1655	2003
8.288		1515	809
8.418		1779	1730
8.436		2093	1976
8.494		1508	1148
8.542		1705	1507
8.676		3246	4126

LANCASTER LABORATORIES

Sample Number: 6706990ACF DF100 ACTS-46 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 8:04:54 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0068.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.524		31516	21238
2.534		26965	40845
2.583		192723	197715
2.624		39162	75296
2.714		31644	43454
2.768		12230	13010
2.817		13823	12952
2.844	TCX	374257	260029
2.881		7100	4078
2.927		13773	21655
2.941		7851	2863
2.972		35580	58498
3.016		17151	8686
3.043		19584	30186
3.096		118388	269347
3.151		594730	1016944
3.231		14945	15984
3.273		23767	19333
3.3		16105	12648
3.322		28958	26878
3.372		62054	102959
3.395		18729	13542
3.413		9927	4736
3.448		11817	4906
3.475		30152	78102
3.533		35037	33127
3.566		73612	98641
3.607		11533	8418
3.62		83073	99751
3.656		36000	70368
3.698		12665	5866
3.732		9568	5169
3.757		25386	34794
3.789		19180	15460
3.827		30972	48090
3.856		10379	2697
3.882		24856	21914
3.923		85447	125694
3.968		37271	80122
3.99		36644	25132
4.028		41542	57716
4.069		116568	126389
4.123		5771	2057
4.144		38367	29141
4.171		358263	275221
4.199		69220	49649
4.224		14503	9898
4.239		140334	102449
4.278		510428	431600
4.313		225164	200844
4.354		92616	79620
4.406		59264	58537
4.439		76853	57053
4.456		76791	50706

RT B	Compound B	Height B	Area B
4.5		264034	289158
4.548		1496154	1053139
4.577		9566425	8721331
4.605		3591743	3497785
4.662		20302960	19319690
4.711		569551	540754
4.737		639196	417762
4.762		8867555	7928108
4.808		41788520	39602990
4.921		27574760	29033870
4.979		3722660	3840846
5.019		10732820	10220950
5.059		42593300	41448600
5.091		29480210	24875890
5.132		19268460	18690600
5.201		212906	275107
5.238		5876349	7250007
5.29		27691090	25977510
5.316		3262083	2262584
5.364		16540920	17110360
5.402		6972517	5873488
5.427		5388455	4592948
5.483		100044100	101320400
5.524		1272734	1068356
5.561		2069204	1920948
5.597		39094	25276
5.62		65234	46579
5.654		26561	19203
5.699		14541930	15518950
5.746		57982920	65696240
5.901		678032	716406
5.946		1195350	1092865
5.971		309535	224943
6.022		8744098	10534360
6.126		17281690	17232950
6.157		519099	392971
6.21		23984	67679
6.328		2888480	3098109
6.49	DCB	350065	383588
6.524		22593	25628
6.678		94234	106917
6.833		14163	19482
6.905		46027	65562
6.985		38740	50424
7.143		25515	37418
7.41		9913	10762
7.514		13305	23384
7.623		15657	32687
7.758		4729	2885
7.916		5161	3858
8.036		3397	16116
8.378		9415	15577
8.498		3902	3689
8.53		6190	5334

6706990ACF DF100 ACTS-46 T 121840016A 10736 SW-846 8082

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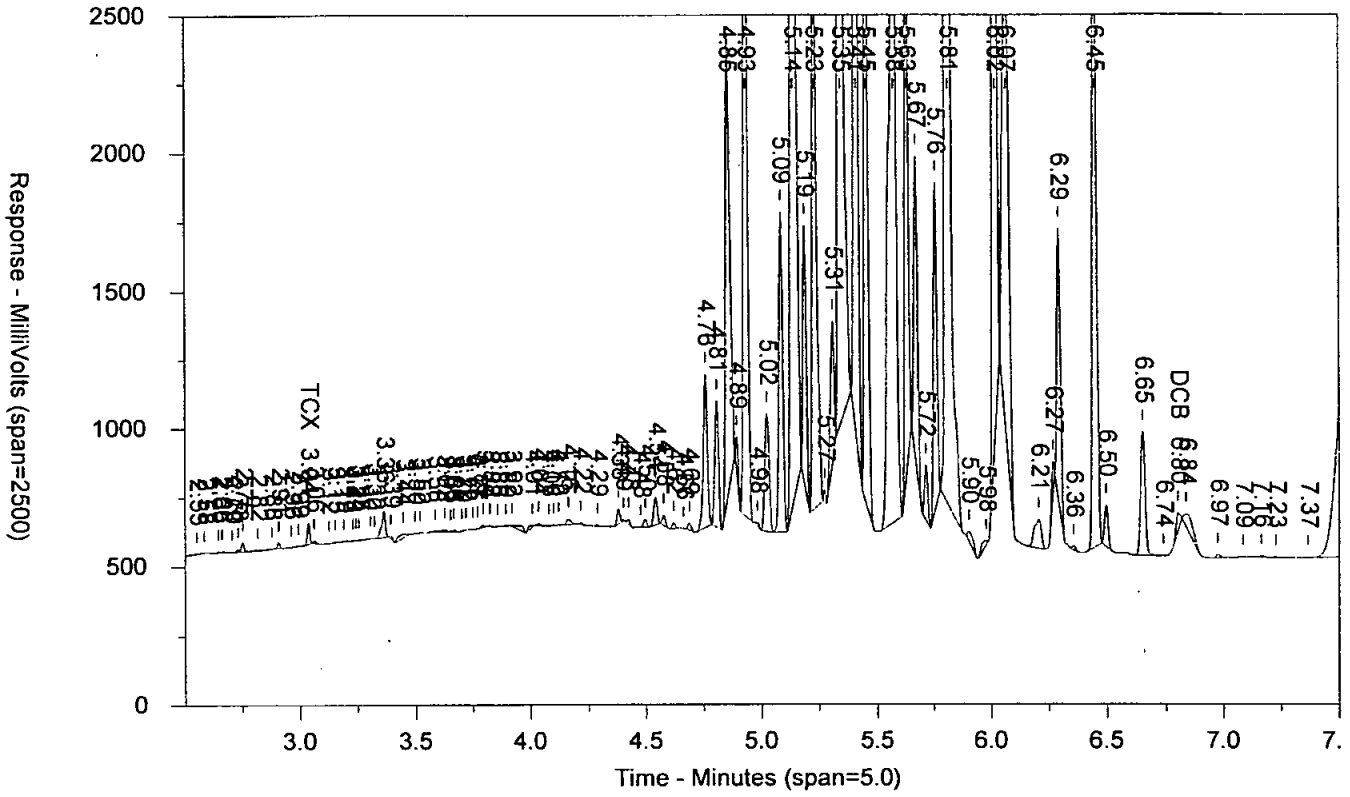

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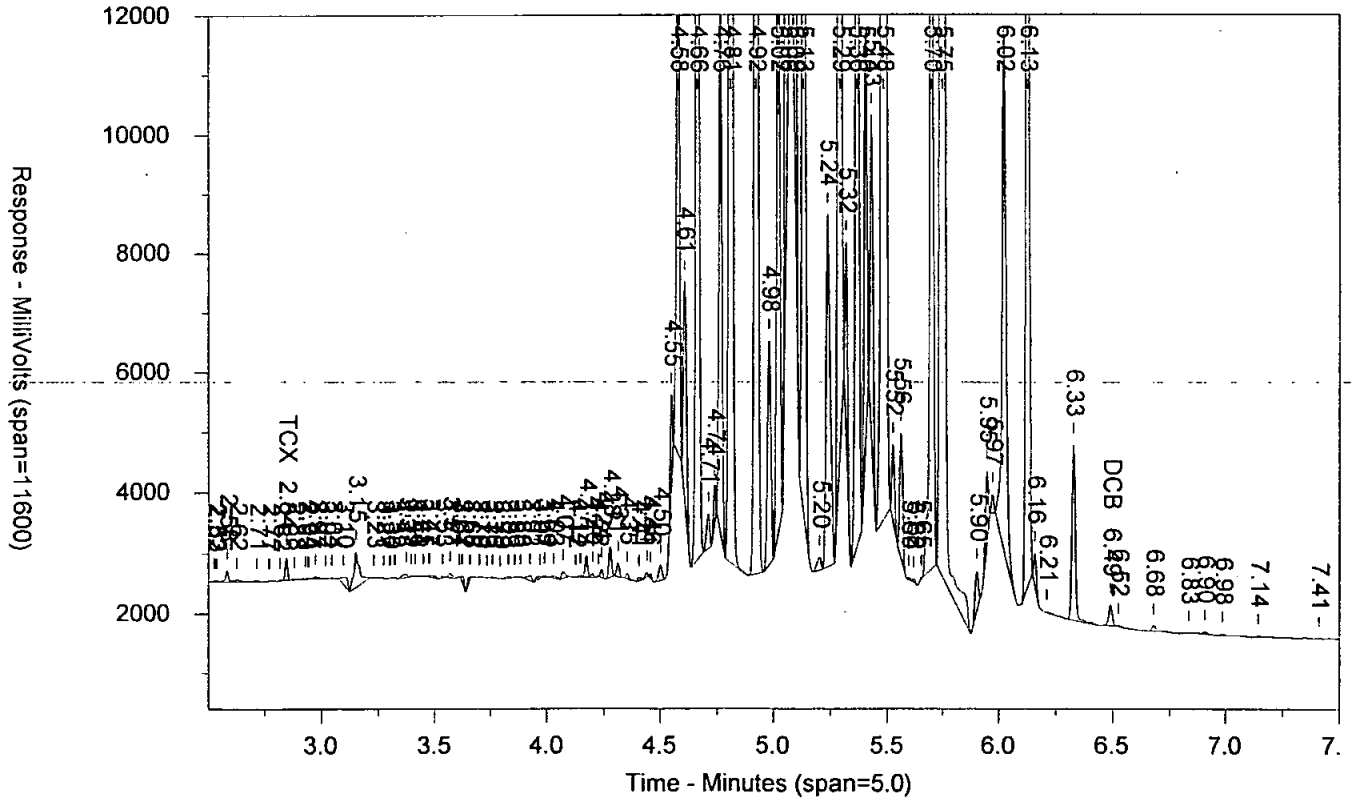

LANCASTER LABORATORIES

Sample Number: 6706990ACF DF100 ACTS-46 T 121840016A 10736 Sample Weight: 30SW-846 8082
Injected On: 7/6/2012 8:04:54 PM Dilution Factor: 1000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.036	78899	10.152	TCX	2.844	374257	8.314	TCX
6.802	68071	15.699	DCB	6.49	350065	11.112	DCB

Files:
Area File: 1p20188.0068.RAW
Area File: 1p20188B.0068.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 8:13:37 PM
File Reported On: 7/13/2012 at 8:26:48 AM

6706990ACF DF100 ACTS-46 T 121840016A 10736 SW-846 8082

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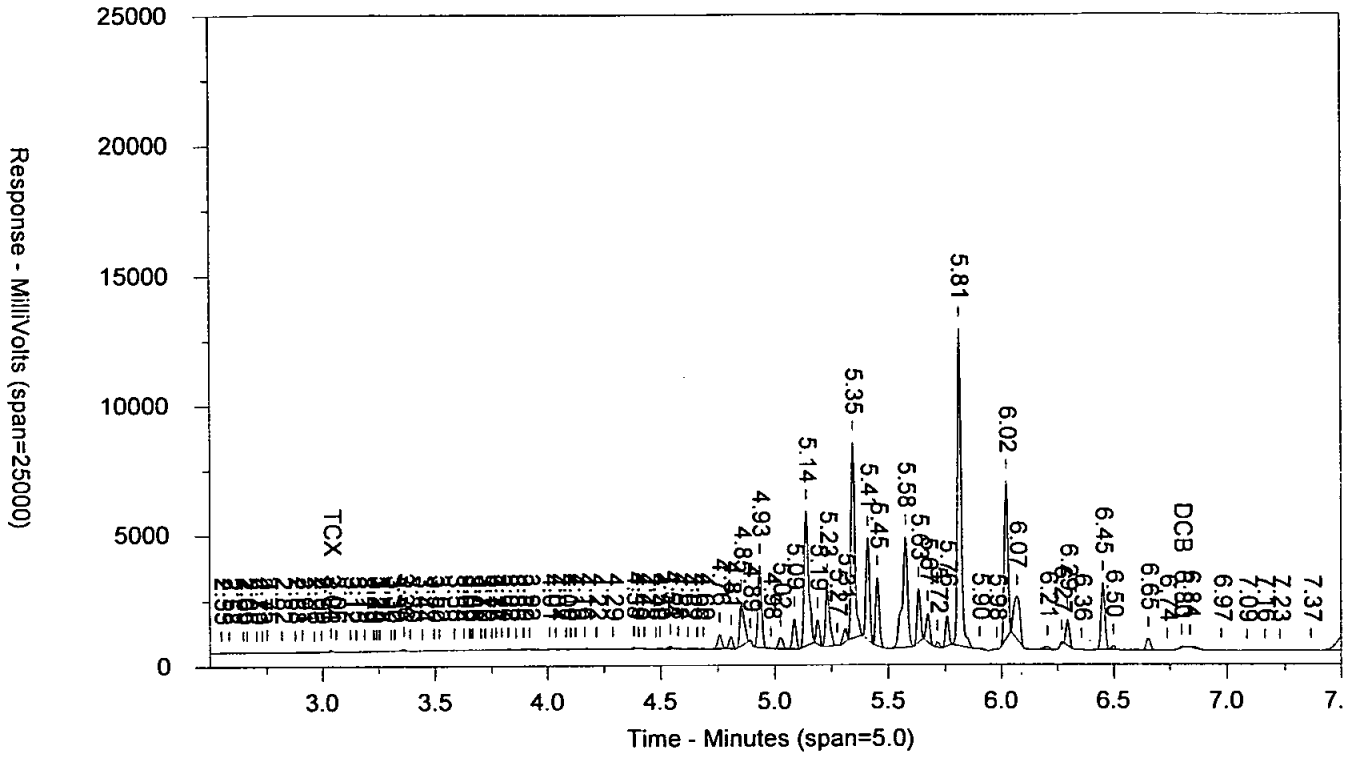

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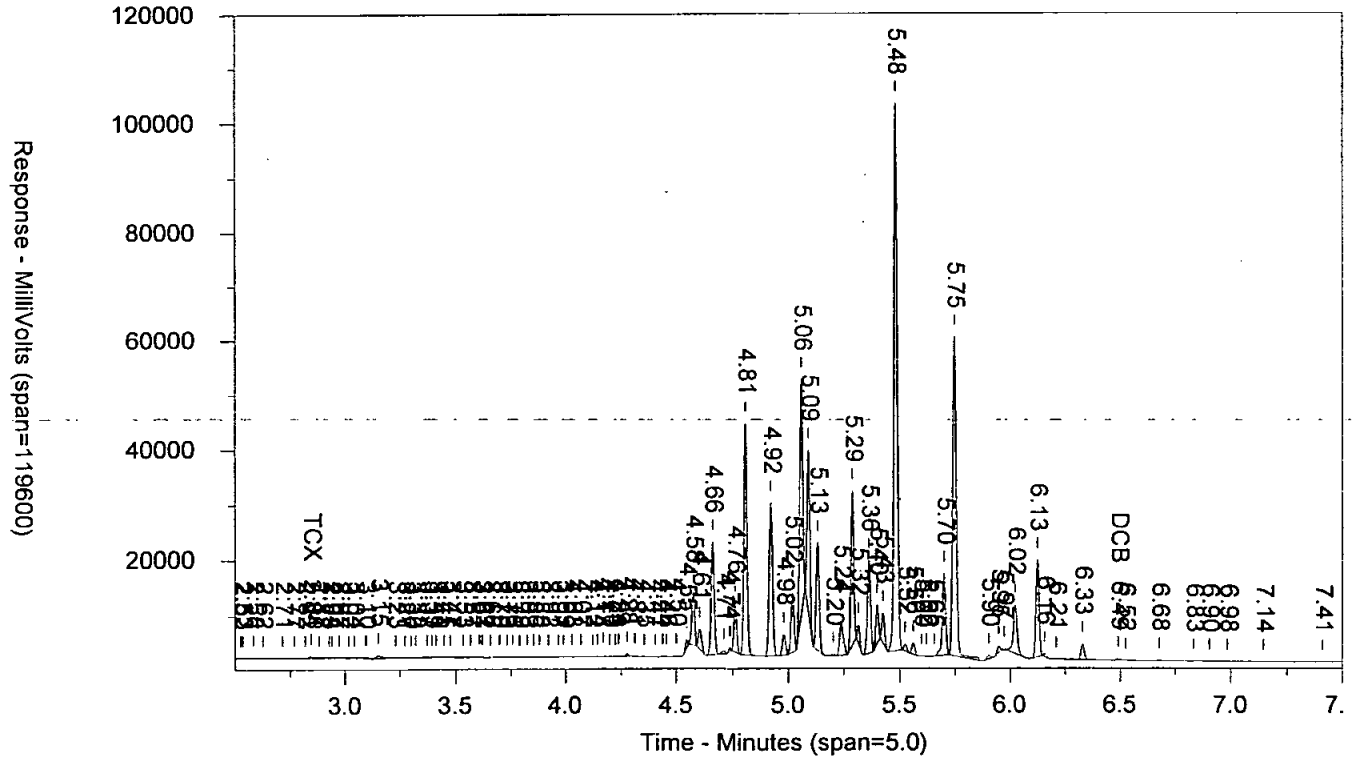

Data Summary

Sample Name: 6706991 ACF DF100 TS-47 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.4 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 06, 2012 20:16:18
Instrument	17342A
Result file	1P20188.0069.RAW
Calibration file	1P20188
Method file	PESTDI20

%SSR(TCX) 112% (33 - 143) Conc: 11.386682
%SSR(DCB) 125% (24 - 164) Conc: 12.307601

Analysis Report (B)

Injected on	Jul 06, 2012 20:16:18
Instrument	17342B
Result file	1P20188B.0069.RAW
Calibration file	1P20188B
Method file	PESTDI20B

%SSR(TCX) 99% (33 - 143) Conc: 10.039921
%SSR(DCB) 114% (24 - 164) Conc: 11.260481

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	89378	11.386682	Tetrachloro-m-xylene	2.82	2.84	2.86	456464	10.039921
Decachlorobiphenyl	6.78	6.80	6.82	53899	12.307601	Decachlorobiphenyl	6.47	6.49	6.51	358276	11.260481

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	11.386682				12.57	
☑ Decachlorobiphenyl	A	12.307601				8.89	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
5.11	5.14	5.17	3282912	8994.952915			1
5.20	5.23	5.26	2139826.5	12358.53932			2
5.32	5.35	5.38	5048506	12651.964902			3
5.38	5.41	5.44	1515244.25	6830.886334			4
5.99	6.02	6.05	2761928	9267.74978			5
6.42	6.45	6.48	1151204.625	8461.640242			6
Height summation:			**15899621.375**				
Concentration		CF:	**9760.955582**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
4.78	4.81	4.84	24977060	8532.190316			1
4.89	4.92	4.95	15061559	7119.337671			2
5.03	5.06	5.09	28019150	12638.352341			3
5.26	5.29	5.32	10279492	6286.895065			4
5.45	5.48	5.51	41994240	8929.900438			5
6.10	6.13	6.16	7511172.5	7889.937286			6
Height summation:			**127842673.5**				
Concentration		CF:	**8566.102186**	L:			

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑ Aroclor-1016			<1677.6316	<355.2632			4	40	
☑ Aroclor-1221			<1677.6316	<453.9474			3	40	
☑ Aroclor-1232			<1677.6316	<789.4737			4	40	
☑ Aroclor-1242			<1677.6316	<325.6579			4	40	
☑ Aroclor-1248			<1677.6316	<325.6579			4	40	
☑ Aroclor-1254			<1677.6316	<325.6579			4	40	
☑ Aroclor-1260	A	9760.955582	1677.6316	483.5526		13.04	4	40	
☐ Aroclor-1262			<1677.6316	<325.6579			4	40	
☐ Aroclor-1268			<1677.6316	<325.6579			4	40	
☐ Total PCBs	A	9760.955582	1677.6316	325.6579		200.00			

Units: ug/kg

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

Jenifer E. Lewis
Jenifer E. Lewis
Manager

JUL 13 2012

Reviewed by: _____ Verified by: _____

Date: Jessica L. Miller
Jessica L. Miller
Chemist

Date: _____

JUL 13 2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706991** ACF DF100 TS-47 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.4 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 20:16:18
Instrument : P 20--17342A
Result file : 1p20188.0069.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 112% (33-143) Conc.: 11.386682
%SSR(DCB) : 125% (24-164) Conc.: 12.307601

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					7	50.90	
3.27	3.28	3.33	1629.698853	11.466895			1
3.27	3.29	3.33	2146.44873	15.102853			1
+ 3.27	3.33	3.33	1575.264404	11.083883			1
3.61	3.63	3.66	4560.56543	25.554012			2
+ 3.61	3.66	3.66	2150.383057	12.049145			2
3.83	3.88	3.89	4230.049805	20.425156			3
+ 3.89	3.90	3.95	2904.68457	15.462938			4
3.89	3.92	3.95	2603.025146	13.857069			4
3.96	4.01	4.02	1543.718262	13.57538			5
+ 4.09	4.10	4.15	2395.959473	18.635836			6
4.09	4.12	4.15	5202.820313	40.467673			6
Height Summation:			**21916.326539**				
Amount Avg CF:			**20.064148**	Linear:			
Aroclor-1221					5	45.86	
3.16	3.19	3.22	1611.402954	21.467667			1
* 3.22	3.22	3.28	1176.586914	18.3182			2
+* 3.16	3.22	3.22	1176.586914	15.674898			1
3.22	3.24	3.28	1844.83606	28.722124			2
* 3.27	3.28	3.33	1629.698853	8.525697			3
+* 3.22	3.28	3.28	1629.698853	25.372668			2
3.27	3.29	3.33	2146.44873	11.229051			3
+ 3.27	3.33	3.33	1575.264404	8.240925			3
Height Summation:			**8408.973511**				
Amount Avg CF:			**17.652548**	Linear:			
Aroclor-1232					7	71.54	
3.27	3.28	3.33	1629.698853	8.14017			1
3.27	3.29	3.33	2146.44873	10.72128			1
+ 3.27	3.33	3.33	1575.264404	7.868276			1
3.61	3.63	3.67	4560.56543	46.520569			2
+ 3.61	3.66	3.67	2150.383057	21.935228			2
3.83	3.88	3.89	4230.049805	36.864313			3
+ 3.90	3.90	3.95	2904.68457	28.847413			4
3.90	3.92	3.95	2603.025146	25.851531			4
3.96	4.01	4.02	1543.718262	28.133624			5
+ 4.10	4.10	4.16	2395.959473	36.133282			6
4.10	4.12	4.16	5202.820313	78.463336			6
Height Summation:			**21916.326539**				
Amount Avg CF:			**33.527832**	Linear:			
Aroclor-1242					8	46.75	
3.27	3.28	3.33	1629.698853	13.7219			1
3.27	3.29	3.33	2146.44873	18.072882			1
+ 3.27	3.33	3.33	1575.264404	13.263568			1
3.61	3.63	3.67	4560.56543	30.916116			2
+ 3.61	3.66	3.67	2150.383057	14.577467			2
3.83	3.88	3.89	4230.049805	24.231482			3
3.90	3.90	3.96	2904.68457	19.229683			4
3.90	3.92	3.96	2603.025146	17.232628			4
+ 3.90	3.96	3.96	2538.931152	16.808311			4
3.97	4.01	4.03	1543.718262	17.13799			5
+ 4.10	4.10	4.16	2395.959473	21.763683			6
4.10	4.12	4.16	5202.820313	47.259785			6
Height Summation:			**24821.011109**				
Amount Avg CF:			**23.475308**	Linear:			

Analysis Report (B)

Injected on : JUL 06, 2012 20:16:18
Instrument : P 20--17342B
Result file : 1p20188B.0069.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 99% (33-143) Conc.: 10.039921
%SSR(DCB) : 114% (24-164) Conc.: 11.260481

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	48.88	
+ 3.11	3.11	3.17	11199.48535:	15.269982			1
3.11	3.15	3.17	62380.78515(	85.053325			1
3.11	3.16	3.17	54142.86718(	73.821304			1
3.45	3.48	3.51	48483.44531:	54.07089			2
3.72	3.73	3.78	33498.78515(	31.838055			4
3.79	3.83	3.85	15655.26855!	23.829808			5
Height Summation:			**214161.151368**				
Amount Avg CF:			**53.722676**	Linear:			
Aroclor-1221					4	32.92	
2.99	3.02	3.05	16012.46972:	39.611364			1
3.05	3.09	3.11	8044.19873	27.457004			2
+* 3.05	3.11	3.11	11199.48535:	38.226843			2
+* 3.11	3.11	3.17	11199.48535:	11.009738			3
3.11	3.15	3.17	62380.78515(	61.323901			3
3.11	3.16	3.17	54142.86718(	53.225553			3
Height Summation:			**140580.320801**				
Amount Avg CF:			**45.404456**	Linear:			
Aroclor-1232					5	53.19	
+ 3.11	3.11	3.17	11199.48535:	11.066238			1
3.11	3.15	3.17	62380.78515(	61.638599			1
3.11	3.16	3.17	54142.86718(	53.498693			1
3.45	3.48	3.51	48483.44531:	102.013055			2
3.72	3.73	3.78	33498.78515(	61.92789			4
3.79	3.83	3.85	15655.26855!	167.115337			5
Height Summation:			**214161.151368**				
Amount Avg CF:			**89.238715**	Linear:			
Aroclor-1242					5	32.92	
+ 3.11	3.11	3.17	11199.48535:	18.438303			1
3.11	3.15	3.17	62380.78515(	102.700776			1
3.11	3.16	3.17	54142.86718(	89.138258			1
3.45	3.48	3.51	48483.44531:	67.729857			2
3.72	3.73	3.78	33498.78515(	40.579599			4
3.79	3.83	3.85	15655.26855!	102.625122			5
Height Summation:			**214161.151368**				
Amount Avg CF:			**80.554722**	Linear:			
Aroclor-1248					5	170.49	
4.00	4.03	4.06	56647.625	73.650117			3
4.14	4.15	4.20	61388.72656:	91.886095			4
4.14	4.17	4.20	372268.7812!	557.20857			4
+ 4.14	4.20	4.20	159260.625	238.379874			4
4.29	4.31	4.35	1526818.25	2097.863304			5
E 4.54	4.57	4.60	8549770	11349.383544			6
Height Summation:			**10566893.382813**				
Amount Avg CF:			**2833.998326**	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706991** ACF DF100 TS-47 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.4 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 20:16:18
Instrument : P 20--17342A
Result file : 1p20188.0069.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	224.45	
3.97	4.01	4.03	1543.718262	9.304426			1
+ 4.10	4.10	4.16	2395.959473	12.550592			2
4.10	4.12	4.16	5202.820313	27.253581			2
4.19	4.21	4.25	5958.996582	35.794989			3
+ 4.38	4.38	4.44	36838.71484	253.485707			4
4.38	4.40	4.44	22139.51367	152.341098			4
4.38	4.43	4.44	54948.53906	378.098675			4
4.51	4.54	4.57	194339.5312	1149.310708			5
E 4.78	4.81	4.84	1424369.375	11389.074957			6
Height Summation:			**1708502.494142**				
Amount Avg CF:			**1877.311205**	Linear:			
Aroclor-1254					6	98.00	
4.51	4.54	4.58	194339.5312	625.95955			1
4.72	4.76	4.78	274133.125	1369.659403			2
4.78	4.81	4.84	1424369.375	3733.275826			3
5.00	5.03	5.06	1547329.875	5125.695585			4
+ 5.00	5.06	5.06	3948.738281	13.080618			4
5.20	5.23	5.26	2139826.5	9074.981629			5
5.32	5.35	5.38	5048506	16600.70436			6
Height Summation:			**10628504.406250**				
Amount Avg CF:			**6088.379392**	Linear:			
Aroclor-1260					6	23.46	
5.11	5.14	5.17	3282912	8994.952915			1
5.20	5.23	5.26	2139826.5	12358.53932			2
5.32	5.35	5.38	5048506	12651.964902			3
5.38	5.41	5.44	1515244.25	6830.886334			4
5.99	6.02	6.05	2761928	9267.74978			5
6.42	6.45	6.48	1151204.625	8461.640242			6
Height Summation:			**15899621.375000**				
Amount Avg CF:			**9760.955582**	Linear:			
Aroclor-1262					6	42.30	
E 5.11	5.14	5.17	3282912	10881.677207			1
5.38	5.41	5.44	1515244.25	3857.938384			2
+ 5.55	5.56	5.61	188389.2812	694.120303			3
5.55	5.58	5.61	1153466.75	4249.948218			3
E 5.79	5.82	5.85	5136638	6943.995854			4
E 5.99	6.02	6.05	2761928	6692.334758			5
6.43	6.45	6.49	1151204.625	4623.006666			6
Height Summation:			**15001393.625000**				
Amount Avg CF:			**6208.150181**	Linear:			
Aroclor-1268					6	115.82	
5.99	6.02	6.05	2761928	3437.462675			1
6.05	6.07	6.11	710828.8125	1026.202272			2
6.18	6.21	6.24	45951.02734	73.150152			3
6.25	6.27	6.31	71935.875	420.682119			4
+ 6.25	6.30	6.31	431898.2187	2525.747519			4
6.43	6.45	6.49	1151204.625	4019.403954			5
6.63	6.65	6.69	219698.1718	122.018201			6
Height Summation:			**4961546.511719**				
Amount Avg CF:			**1516.486562**	Linear:			

Analysis Report (B)

Injected on : JUL 06, 2012 20:16:18
Instrument : P 20--17342B
Result file : 1p20188B.0069.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	90.81	
4.47	4.50	4.53	739996.3125	529.891997			1
4.54	4.57	4.60	8549770	3602.958762			2
4.71	4.74	4.77	8335245	4253.884578			3
+ 4.71	4.76	4.77	3663977.25	1869.907401			3
4.78	4.81	4.84	24977060	19903.185899			4
4.95	4.98	5.01	7865057	6267.334686			5
5.03	5.06	5.09	28019150	14256.076448			6
Height Summation:			**78486278.312500**				
Amount Avg CF:			**8135.555395**	Linear:			
Aroclor-1260					6	25.82	
4.78	4.81	4.84	24977060	8532.190316			1
4.89	4.92	4.95	15061559	7119.337671			2
5.03	5.06	5.09	28019150	12638.352341			3
5.26	5.29	5.32	10279492	6286.895065			4
+ 5.26	5.32	5.32	5112302	3126.662895			4
5.45	5.48	5.51	41994240	8929.900438			5
6.10	6.13	6.16	7511172.5	7889.937286			6
Height Summation:			**127842673.500000**				
Amount Avg CF:			**8566.102186**	Linear:			
Aroclor-1262					6	47.78	
E 4.89	4.92	4.95	15061559	8197.910004			1
5.06	5.09	5.12	8355984	2565.049371			2
5.26	5.29	5.32	10279492	4033.356774			3
+ 5.26	5.32	5.32	5112302	2005.910205			3
E 5.45	5.48	5.51	41994240	6587.343933			4
+ 5.67	5.68	5.73	103191.0312	45.282741			5
5.67	5.70	5.73	5971989	2620.654414			5
6.10	6.13	6.16	7511172.5	4255.96528			6
Height Summation:			**89174436.500000**				
Amount Avg CF:			**4710.046629**	Linear:			
Aroclor-1268					6	128.97	
+ 5.67	5.68	5.73	103191.0312	14.100503			1
5.67	5.70	5.73	5971989	816.040407			1
5.72	5.75	5.78	25417762	4044.032881			2
5.87	5.90	5.93	307497.9687	73.31574			3
+ 5.94	5.94	6.00	694033.125	623.868237			4
5.94	5.97	6.00	80423.97656	72.293328			4
6.10	6.13	6.16	7511172.5	3646.56929			5
6.30	6.33	6.36	1173045.375	81.624009			6
Height Summation:			**40461890.820313**				
Amount Avg CF:			**1455.645943**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1677.6316	355.2632		** 91.23	4	40	
Aroclor-1221			1677.6316	453.9474		** 88.02	3	40	

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706991** ACF DF100 TS-47 Sample ID: AC **Batchnumber: 121840016A**
Sample Amount: 30.4 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 06, 2012 20:16:18
Instrument : P 20--17342A
Result file : 1p20188.0069.RAW
Calibration file : 1p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 06, 2012 20:16:18
Instrument : P 20--17342B
Result file : 1p20188B.0069.RAW
Calibration file : 1P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1232			1677.6316	789.4737		** 90.76	4	40	
Aroclor-1242			1677.6316	325.6579		** 109.74	4	40	
Aroclor-1248			1677.6316	325.6579	E	** 40.61	4	40	
Aroclor-1254			1677.6316	325.6579		28.78	4	40	
Aroclor-1260			1677.6316	483.5526		13.04	4	40	
Aroclor-1262			1677.6316	325.6579	E	27.44	4	40	
Aroclor-1268			1677.6316	325.6579		4.09	4	40	
Total PCBs			1677.6316	325.6579					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706991ACF DF100 ACTS-47 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 8:16:17 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0069.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.559		2490	3399
2.581		4926	5957
2.645		4137	3687
2.695		4482	2621
2.73		4485	3500
2.751		17417	15814
2.818		12638	12762
2.865		3006	4076
2.908		41672	30591
2.949		1648	1635
2.994		5657	4297
3.036	TCX	89378	63728
3.062		31956	34350
3.123		6124	5721
3.15		4919	4760
3.186		1611	841
3.221		1177	790
3.238		1845	864
3.276		1630	714
3.293		2146	1843
3.325		1575	742
3.348		18359	11339
3.363		22721	12661
3.397		2364	1822
3.46		6092	14744
3.495		4972	3731
3.521		2683	1794
3.538		2298	1744
3.563		1104	1053
3.583		6403	4994
3.626		4561	2839
3.663		2150	703
3.696		2426	975
3.728		2572	1522
3.741		2838	1285
3.769		3515	2575
3.793		7264	6303
3.819		5088	4624
3.882		4230	2059
3.905		2905	1492
3.923		2603	686
3.956		2539	3028
4.015		1544	1139
4.037		12097	14006
4.101		2396	2561
4.12		5203	6029
4.164		21212	30717
4.213		5959	5692
4.287		5629	6519
4.346		8084	9981
4.383		36839	27460
4.401		22140	14773
4.427		54949	44253
4.465		4039	5478

ASX67 0344

RT A	Compound A	Height A	Area A
4.498		63459	61105
4.542		194340	207851
4.578		270327	269502
4.62		45415	40896
4.645		5108	2599
4.663		6603	2806
4.688		67761	64446
4.758		274133	460558
4.805		1424369	1439065
4.854		678149	901126
4.894		203695	155907
4.933		1742406	2057104
4.985		194027	202889
5.027		1547330	1763980
5.058		3949	1465
5.085		612006	710981
5.138		3282912	4669712
5.19		368864	343964
5.231		2139827	2495669
5.275		176172	137997
5.31		314407	384596
5.348		5048506	6203541
5.411		1515244	1612354
5.454		1131247	1243267
5.494		15255	11648
5.559		188389	211847
5.577		1153467	1053380
5.635		901564	1002137
5.674		523310	535598
5.715		78156	79620
5.758		910748	976813
5.784		43348	19452
5.816		5136638	6002441
5.902		39646	83287
5.975		31400	55704
6.021		2761928	3156618
6.067		710829	1412997
6.208		45951	77949
6.268		71936	62243
6.296		431898	463112
6.353		6996	6838
6.451		1151205	1390234
6.498		68361	75486
6.538		1673	1437
6.583		6033	5547
6.654		219698	249364
6.689		4924	4439
6.727		1415	1583
6.779		2820	3049
6.802	DCB	53899	60008
6.839		6212	8934
6.977		24736	43843
7.082		1757	2111
7.14		2600	2733
7.17		3797	4272
7.225		4953	5137
7.311		2957	4002
7.365		16953	27194
7.429		1500	667
7.509		37121	140821
7.737		1345	841
7.775		1216	1015
7.848		1291	840
7.909		1997	1357
7.969		1640	1109
8.089		9251	20657

RT A	Compound A	Height A	Area A
8.236		1916	4427
8.277		2316	2784
8.364		1788	935
8.412		2070	1337
8.451		1448	934
8.483		1937	1132
8.518		1530	1825
8.628		1564	2145
8.667		3036	6307

LANCASTER LABORATORIES

Sample Number: 6706991ACF DF100 ACTS-47 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 8:16:17 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0069.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.522		20863	18620
2.56		18748	22530
2.582		106084	82611
2.631		43943	49527
2.687		27291	17399
2.71		42470	60158
2.783		29823	33869
2.81		54006	35718
2.845	TCX	456464	334395
2.878		15488	8546
2.9		5840	1423
2.914		20433	11423
2.951		6536	2933
2.972		135240	156259
3.02		16012	10723
3.052		34033	34737
3.086		8044	2594
3.108		11199	5818
3.152		62381	35409
3.161		54143	32017
3.306		15515	29876
3.319		15939	12929
3.372		71380	147246
3.442		27161	22664
3.479		48483	113704
3.566		91417	161360
3.616		6198	14112
3.626		24288	41085
3.713		21604	12567
3.734		33499	152680
3.826		15655	50848
3.886		20115	25080
3.968		76229	146332
3.991		53316	37249
4.027		56648	96876
4.073		148731	227108
4.115		16179	9781
4.147		61389	43772
4.172		372269	288946
4.199		159261	114751
4.222		51747	29801
4.239		274891	200092
4.277		1012196	848306
4.312		1526818	1369369
4.355		277923	269500
4.403		92862	92584
4.437		287344	217963
4.503		739996	817619
4.565		8549770	12353320
4.605		1766104	1886885
4.662		11214550	11678440
4.702		1295553	1190253
4.737		8335245	6870348
4.762		3663977	2899055

RT B	Compound B	Height B	Area B
4.807		24977060	24363010
4.921		15061560	15814550
4.976		7865057	7997800
5.017		5762061	5657224
5.059		28019150	27700410
5.09		8355984	6870119
5.132		7450326	6784777
5.204		309574	371095
5.24		2394934	3933567
5.289		10279490	9495067
5.316		5112302	4115556
5.365		6967007	7283964
5.402		3026846	2567813
5.426		2179309	1823590
5.483		41994240	45461320
5.524		421781	270066
5.56		798984	740030
5.62		71948	52571
5.675		103191	87348
5.699		5971989	5771454
5.746		25417760	30516340
5.903		307498	388182
5.944		694033	658873
5.971		80424	52821
6.023		3026041	3271347
6.125		7511173	7692276
6.158		244771	174248
6.206		27491	44047
6.327		1173045	1280087
6.362		7109	4501
6.395		29222	32940
6.49	DCB	358276	444740
6.527		31244	43115
6.677		24835	27343
6.765		14024	10690
6.868		7457	5211
6.904		88753	137468
6.984		110991	139543
7.047		11792	16025
7.144		26214	50394
7.276		15734	27013
7.512		46866	74866
7.61		4370	998
7.706		4407	4495
7.828		10272	30530
7.991		7590	13093
8.172		6869	6635
8.524		10177	23834
8.579		6431	3221
8.633		4759	2450
8.681		20890	24326

6706991ACF DF100 ACTS-47 T 121840016A 10736 SW-846 8082

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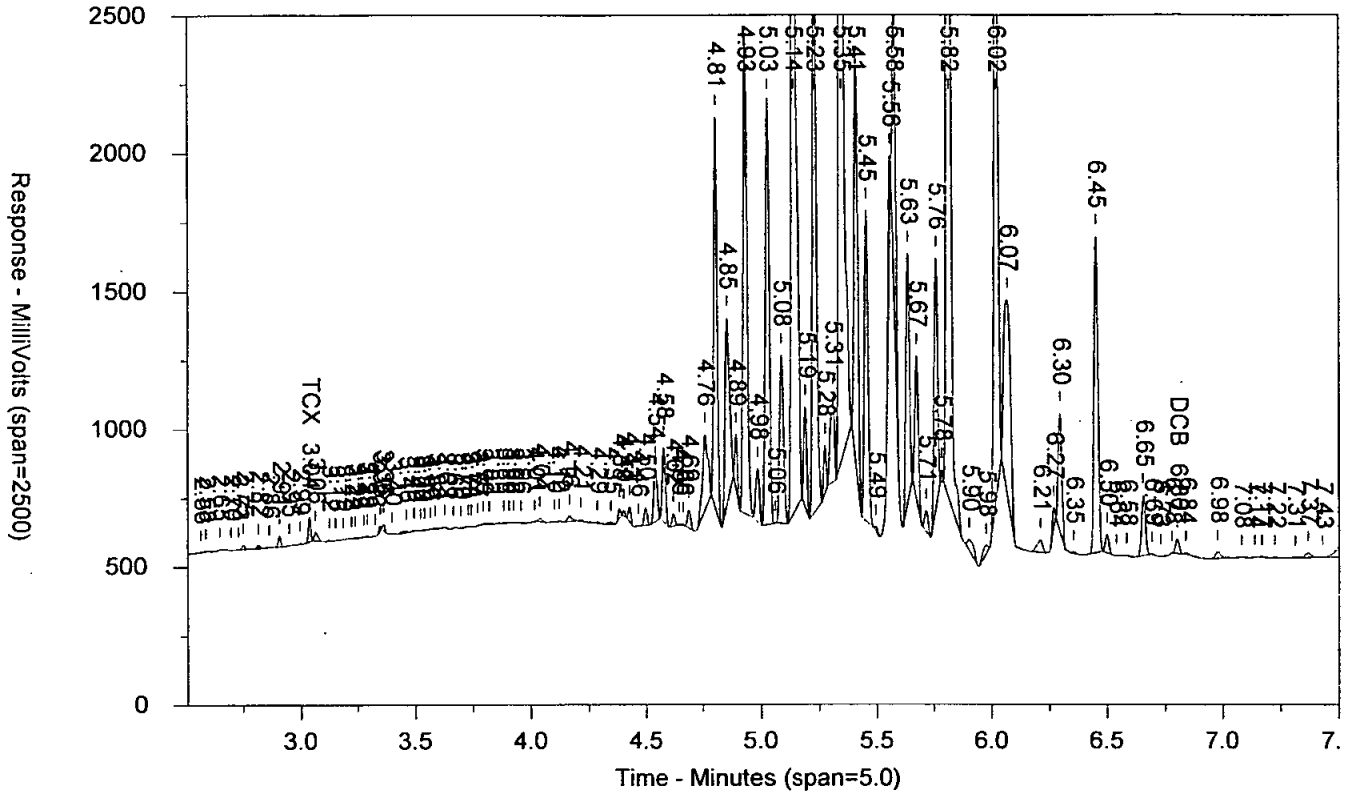

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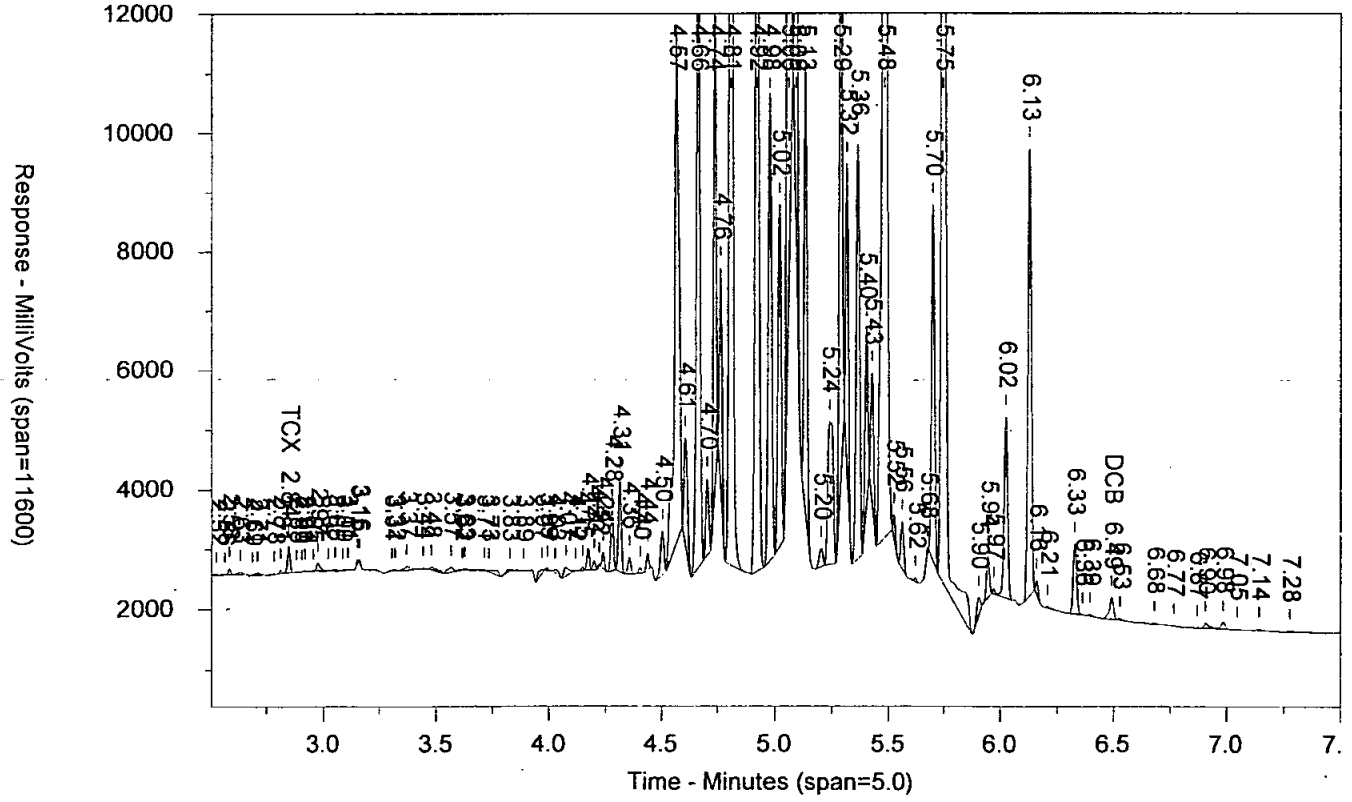

LANCASTER LABORATORIES

Sample Number: 6706991ACF DF100 ACTS-47 T 121840016A 10736 Sample Weight: 30SW-846 8082
Injected On: 7/6/2012 8:16:17 PM Dilution Factor: 1000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.036	89378	11.387	TCX	2.845	456464	10.04	TCX
6.802	53899	12.308	DCB	6.49	358276	11.26	DCB

Files:
Area File: 1p20188.0069.RAW
Area File: 1p20188B.0069.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 8:25:01 PM
File Reported On: 7/13/2012 at 8:26:54 AM

6706991ACF DF100 ACTS-47 T 121840016A 10736 SW-846 8082

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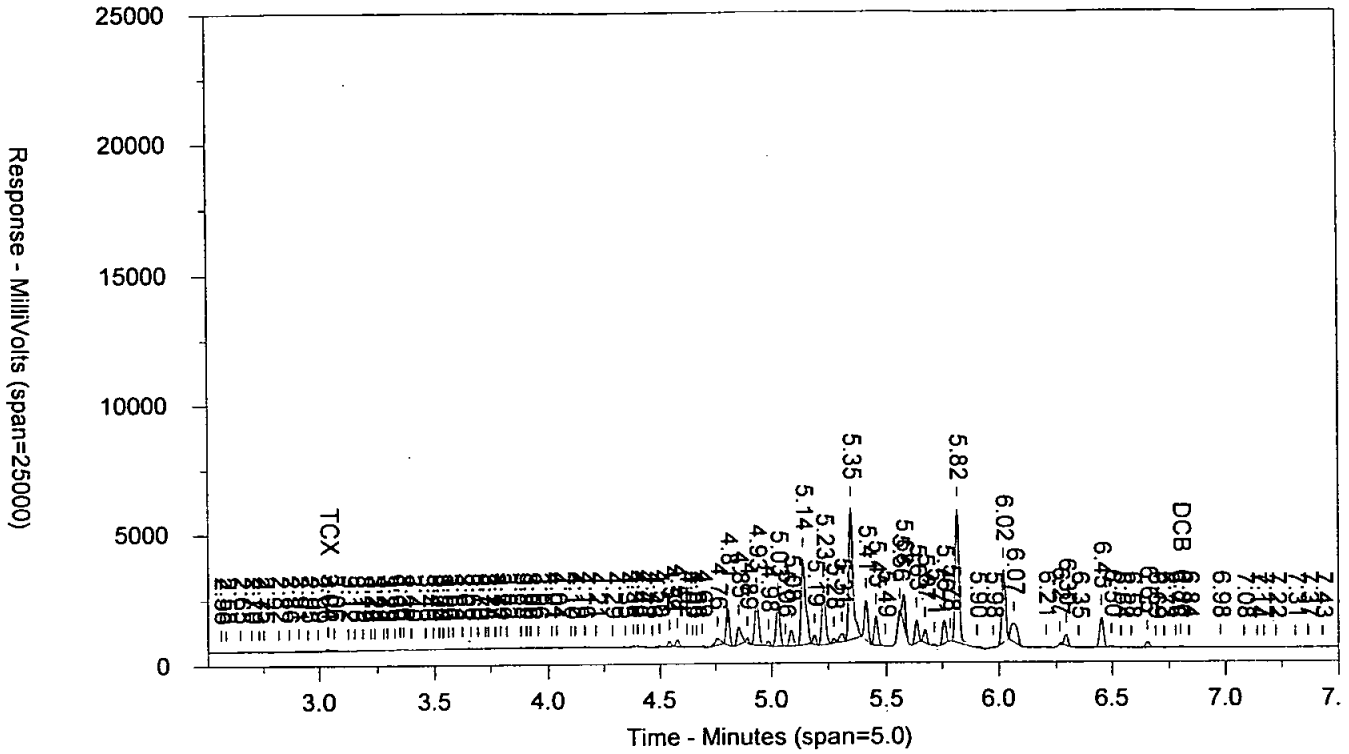

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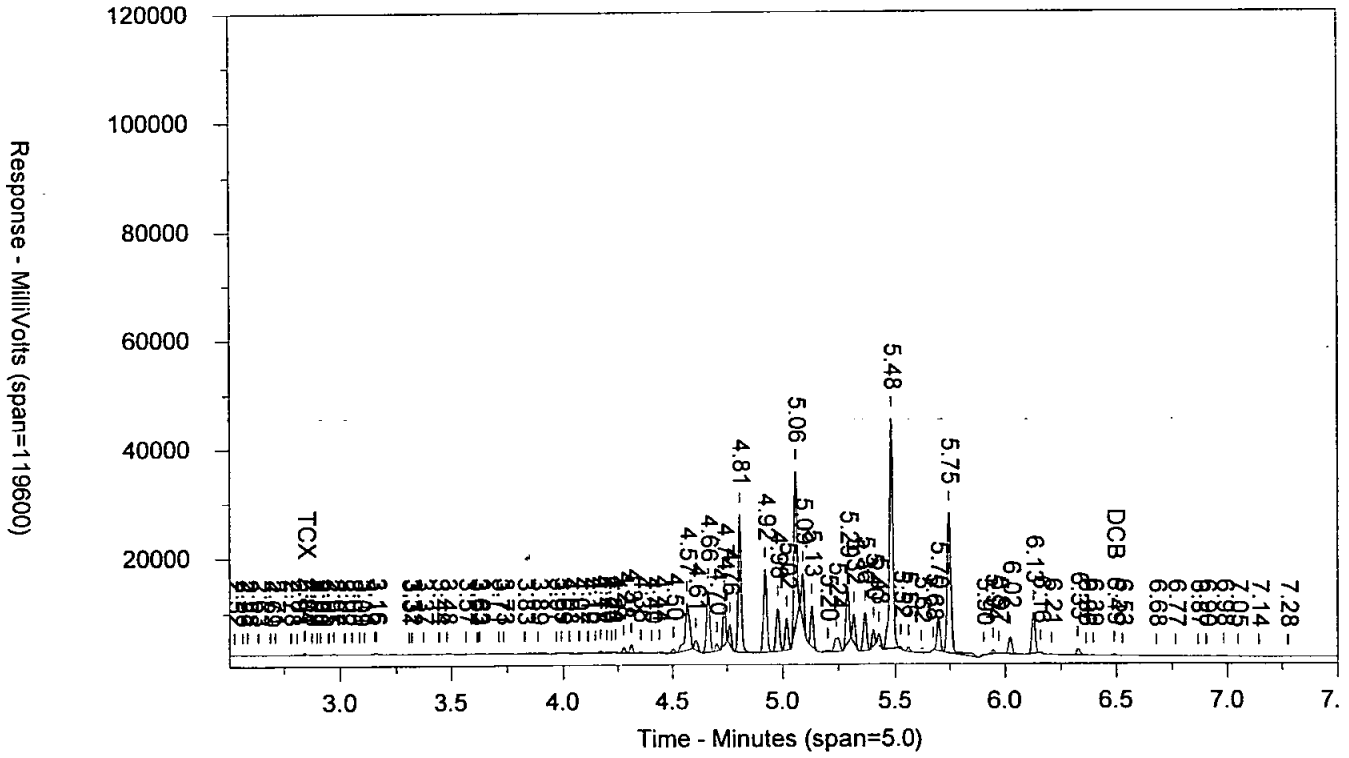

Data Summary

Sample Name: 6706992 RI ACF DF100 TS-48 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 11, 2012 17:47:17
Instrument	17342A
Result file	6P20188.0019.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 93% (33 - 143) Conc: 9.520876
%SSR(DCB) 141% (24 - 164) Conc: 14.01237

Analysis Report (B)

Injected on	Jul 11, 2012 17:47:17
Instrument	17342B
Result file	6P20188B.0019.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 79% (33 - 143) Conc: 8.087302
%SSR(DCB) 112% (24 - 164) Conc: 11.079083

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	74241	9.520876	Tetrachloro-m-xylene	2.82	2.84	2.86	365269	8.087302
Decachlorobiphenyl	6.78	6.80	6.82	60961	14.01237	Decachlorobiphenyl	6.47	6.49	6.51	350186	11.079083

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	9.520876				16.28	
☑ Decachlorobiphenyl	A	14.01237				23.38	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**7.05**	
5.11	5.14	5.17	5429853	14975.948967			1
5.20	5.23	5.26	2314897.75	13458.201337			2
5.32	5.35	5.38	5863649.5	14792.096467			3
5.38	5.41	5.44	3256584.5	14778.263023			4
5.99	6.03	6.05	4960747	16756.204482			5
6.42	6.45	6.48	2048473.625	15156.503841			6

Height summation: **23874205.375**
Concentration CF: **14986.20302** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.37**	
4.78	4.81	4.84	47237392	16243.206116			1
4.89	4.92	4.95	28627006	13621.101212			2
5.03	5.06	5.09	36396396	16525.724578			3
5.26	5.29	5.32	24477646	15069.569113			4
5.45	5.48	5.51	86848984	18590.37967			5
6.10	6.13	6.16	14805847	15655.455161			6

Height summation: **238393271**
Concentration CF: **15950.905975** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑ Aroclor-1016			<1688.7417	<357.6159			4	40	
☑ Aroclor-1221			<1688.7417	<456.9536			3	40	
☑ Aroclor-1232			<1688.7417	<794.702			4	40	
☑ Aroclor-1242			<1688.7417	<327.8146			4	40	
☑ Aroclor-1248			<1688.7417	<327.8146			4	40	
☑ Aroclor-1254			<1688.7417	<327.8146			4	40	
☑ Aroclor-1260	B	15950.905975	1688.7417	486.755		6.24	4	40	
☐ Aroclor-1262			<1688.7417	<327.8146			4	40	
☐ Aroclor-1268			<1688.7417	<327.8146			4	40	
☐ Total PCBs	A	15950.905975	1688.7417	327.8146		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders Chemist Verified by:
Date: JUL 12 2012 Date:

7/12/2012

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706992** RI ACF DF100 TS-48 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:47:17
Instrument : P 20--17342A
Result file : 6p20188.0019.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 93% (33-143) Conc.: 9.520876
%SSR(DCB) : 141% (24-164) Conc.: 14.01237

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					8	119.61	
+ 3.27	3.27	3.33	1512.25293	10.710988			1
3.27	3.29	3.33	1857.956177	13.159535			1
3.27	3.31	3.33	1688.170776	11.956979			1
3.61	3.62	3.66	24655.79882	139.067648			2
+ 3.83	3.83	3.89	3096.639404	15.051409			3
3.83	3.86	3.89	2872.509521	13.962012			3
3.83	3.89	3.89	1721.432251	8.367129			3
3.89	3.94	3.95	6406.37793	34.329874			4
+ 3.96	3.97	4.02	4193.052734	37.117688			5
3.96	4.00	4.02	10447.54882	92.483658			5
+ 4.09	4.10	4.15	6492.645996	50.834406			6
4.09	4.12	4.15	1537.325928	12.036549			6
Height Summation:			51187.120239				
Amount Avg CF:			40.670423	Linear:			
Aroclor-1221					4	51.42	
3.16	3.22	3.22	1851.713501	24.832539			1
+* 3.27	3.27	3.33	1512.25293	7.963676			3
* 3.22	3.27	3.28	1512.25293	23.700081			2
3.27	3.29	3.33	1857.956177	9.784184			3
3.27	3.31	3.33	1688.170776	8.890077			3
Height Summation:			6910.093384				
Amount Avg CF:			16.80172	Linear:			
Aroclor-1232					8	128.49	
+ 3.27	3.27	3.33	1512.25293	7.603564			1
3.27	3.29	3.33	1857.956177	9.341749			1
3.27	3.31	3.33	1688.170776	8.488073			1
3.61	3.62	3.67	24655.79882	253.169876			2
+ 3.83	3.83	3.89	3096.639404	27.165514			3
3.83	3.86	3.89	2872.509521	25.199317			3
3.83	3.89	3.89	1721.432251	15.1014			3
3.90	3.94	3.95	6406.37793	64.045273			4
+ 3.96	3.97	4.02	4193.052734	76.922711			5
3.96	4.00	4.02	10447.54882	191.66317			5
+ 4.10	4.10	4.16	6492.645996	98.56354			6
4.10	4.12	4.16	1537.325928	23.337833			6
Height Summation:			51187.120239				
Amount Avg CF:			73.793336	Linear:			
Aroclor-1242					7	111.93	
+ 3.27	3.27	3.33	1512.25293	12.817342			1
3.27	3.29	3.33	1857.956177	15.747405			1
3.27	3.31	3.33	1688.170776	14.308362			1
3.61	3.62	3.67	24655.79882	168.248789			2
3.83	3.86	3.89	2872.509521	16.5639			3
+ 3.83	3.89	3.89	1721.432251	9.926383			3
3.90	3.94	3.96	6406.37793	42.692573			4
+ 3.97	3.97	4.03	4193.052734	46.858543			5
3.97	4.00	4.03	10447.54882	116.754296			5
+ 4.10	4.10	4.16	6492.645996	59.366476			6
4.10	4.12	4.16	1537.325928	14.056769			6
Height Summation:			49465.687988				
Amount Avg CF:			55.481728	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 17:47:17
Instrument : P 20--17342B
Result file : 6p20188B.0019.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 79% (33-143) Conc.: 8.087302
%SSR(DCB) : 112% (24-164) Conc.: 11.079083

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	169.40	
+ 3.11	3.11	3.17	18167.6875	24.934849			1
3.11	3.15	3.17	1430623.375	1963.506767			1
+ 3.45	3.45	3.51	49724.83203	55.822592			2
3.45	3.49	3.51	88573.33593	99.43509			2
3.72	3.76	3.78	32648.71289	31.235622			4
3.79	3.82	3.85	83851.96875	128.481296			5
+ 3.90	3.91	3.96	19001.30078	22.178129			6
3.90	3.92	3.96	187927.25	219.346811			6
Height Summation:			1823624.642579				
Amount Avg CF:			488.401117	Linear:			
Aroclor-1221					4	159.50	
2.99	3.02	3.05	62083.82812	154.598969			1
+ 2.99	3.04	3.05	5803.769531	14.452343			1
+ 3.05	3.06	3.11	8468.212891	29.095696			2
3.05	3.07	3.11	11575.01660	39.770277			2
+* 3.11	3.11	3.17	18167.6875	17.978159			3
* 3.05	3.11	3.11	18167.6875	62.421851			2
3.11	3.15	3.17	1430623.375	1415.698844			3
Height Summation:			1522449.907227				
Amount Avg CF:			418.122485	Linear:			
Aroclor-1232					5	91.55	
+ 3.11	3.11	3.17	18167.6875	18.070418			1
3.11	3.15	3.17	1430623.375	1422.963849			1
+ 3.45	3.45	3.51	49724.83203	105.31791			2
3.45	3.49	3.51	88573.33593	187.599601			2
3.72	3.76	3.78	32648.71289	60.756104			4
3.79	3.82	3.85	83851.96875	901.022587			5
+ 3.90	3.91	3.96	19001.30078	47.903925			6
3.90	3.92	3.96	187927.25	473.780872			6
Height Summation:			1823624.642579				
Amount Avg CF:			609.224603	Linear:			
Aroclor-1242					5	143.89	
+ 3.11	3.11	3.17	18167.6875	30.108503			1
3.11	3.15	3.17	1430623.375	2370.908715			1
+ 3.45	3.45	3.51	49724.83203	69.92406			2
3.45	3.49	3.51	88573.33593	124.553608			2
3.72	3.76	3.78	32648.71289	39.81176			4
3.79	3.82	3.85	83851.96875	553.315776			5
+ 3.90	3.91	3.96	19001.30078	28.114808			6
3.90	3.92	3.96	187927.25	278.061936			6
Height Summation:			1823624.642579				
Amount Avg CF:			673.330359	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706992** RI ACF DF100 TS-48 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:47:17
Instrument : P 20--17342A
Result file : 6p20188.0019.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	126.18	
+ 3.96	3.97	4.02	4193.052734	26.032005			1
3.96	4.00	4.02	10447.54882	64.862204			1
+ 4.09	4.10	4.15	6492.645996	34.964306			2
4.09	4.12	4.15	1537.325928	8.278833			2
+ 4.19	4.19	4.25	2987.977783	18.04957			3
4.19	4.22	4.25	11333.06445	68.459992			3
4.37	4.38	4.43	520811.0312	3595.383183			4
+ 4.37	4.43	4.43	45337.77343	312.986205			4
4.51	4.55	4.57	540349.25	3223.85178			5
4.78	4.81	4.84	950188.75	7877.193041			6
Height Summation:			2034666.970459				
Amount Avg CF:			2473.004839	Linear:			
Aroclor-1254					6	114.39	
4.51	4.55	4.58	540349.25	1751.968519			1
4.72	4.76	4.78	474370.7187	2385.808417			2
4.78	4.81	4.84	950188.75	2506.940123			3
5.00	5.03	5.06	494207.125	1647.95568			4
5.20	5.23	5.26	2314897.75	9882.472899			5
5.32	5.35	5.38	5863649.5	19408.78134			6
Height Summation:			10637663.093750				
Amount Avg CF:			6263.98783	Linear:			
Aroclor-1260					6	7.05	
5.11	5.14	5.17	5429853	14975.948967			1
5.20	5.23	5.26	2314897.75	13458.201337			2
5.32	5.35	5.38	5863649.5	14792.096467			3
5.38	5.41	5.44	3256584.5	14778.263023			4
5.99	6.03	6.05	4960747	16756.204482			5
6.42	6.45	6.48	2048473.625	15156.503841			6
Height Summation:			23874205.375000				
Amount Avg CF:			14986.20302	Linear:			
Aroclor-1262					6	30.08	
E 5.11	5.14	5.17	5429853	18117.209068			1
E 5.38	5.41	5.44	3256584.5	8346.446621			2
E 5.55	5.58	5.61	3620953.75	13429.757246			3
E 5.79	5.82	5.85	9946795	13535.686471			4
E 5.99	6.03	6.05	4960747	12099.822753			5
E 6.43	6.45	6.49	2048473.625	8280.737101			6
Height Summation:			29263406.875000				
Amount Avg CF:			12301.609877	Linear:			
Aroclor-1268					6	117.86	
5.99	6.03	6.05	4960747	6214.974384			1
6.05	6.07	6.11	1361428.25	1978.469379			2
6.18	6.19	6.24	89473.14843	143.376956			3
6.25	6.27	6.31	79474.42187	467.845575			4
+ 6.25	6.30	6.31	896017.375	5274.624889			4
E 6.43	6.45	6.49	2048473.625	7199.562937			5
6.63	6.66	6.69	394091.0937	220.323804			6
Height Summation:			8933687.539063				
Amount Avg CF:			2704.092173	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 17:47:17
Instrument : P 20--17342B
Result file : 6p20188B.0019.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					8	136.70	
3.79	3.82	3.85	83851.96875	100.573271			1
+ 3.90	3.91	3.96	19001.30078	15.617877			2
3.90	3.92	3.96	187927.25	154.464407			2
+ 4.14	4.15	4.20	37902.26953	22.018278			3
4.14	4.17	4.20	2919623.25	1696.074605			3
4.14	4.20	4.20	51984.75390	30.199109			3
4.47	4.50	4.53	1041804.812	1886.551052			4
+ 4.54	4.55	4.60	667128	848.920321			5
4.54	4.58	4.60	9431812	12001.979937			5
+ 4.71	4.71	4.77	580215.5	845.133489			6
4.71	4.74	4.77	1352407.625	1969.897349			6
4.71	4.76	4.77	7176551	10453.260192			6
Height Summation:			22245962.660156				
Amount Avg CF:			3536.62499	Linear:			
Aroclor-1254					7	141.91	
4.47	4.50	4.53	1041804.812	750.9496			1
+ 4.54	4.55	4.60	667128	282.996233			2
4.54	4.58	4.60	9431812	4000.98222			2
+ 4.71	4.71	4.77	580215.5	298.073444			3
4.71	4.74	4.77	1352407.625	694.770819			3
4.71	4.76	4.77	7176551	3686.801317			3
E 4.78	4.81	4.84	47237392	37890.803995			4
4.95	4.98	5.01	3389747.75	2719.036393			5
5.03	5.06	5.09	36396396	18641.036948			6
Height Summation:			106026111.18750				
Amount Avg CF:			9769.197327	Linear:			
Aroclor-1260					6	10.37	
4.78	4.81	4.84	47237392	16243.206116			1
4.89	4.92	4.95	28627006	13621.101212			2
5.03	5.06	5.09	36396396	16525.724578			3
5.26	5.29	5.32	24477646	15069.569113			4
+ 5.26	5.32	5.32	2938892.75	1809.318078			4
5.45	5.48	5.51	86848984	18590.37967			5
6.10	6.13	6.16	14805847	15655.455161			6
Height Summation:			238393271.00000				
Amount Avg CF:			15950.905975	Linear:			
Aroclor-1262					6	37.45	
E 4.89	4.92	4.95	28627006	15684.684033			1
E 5.06	5.09	5.12	25050464	7740.705233			2
E 5.26	5.29	5.32	24477646	9667.880255			3
+ 5.26	5.32	5.32	2938892.75	1160.767796			3
E 5.45	5.48	5.51	86848984	13713.615911			4
5.67	5.70	5.73	12848858	5675.732398			5
E 6.10	6.13	6.16	14805847	8444.816631			6
Height Summation:			192658805.00000				
Amount Avg CF:			10154.57241	Linear:			
Aroclor-1268					7	141.36	
5.67	5.70	5.73	12848858	1767.355112			1
E 5.72	5.74	5.78	51202368	8200.381215			2
5.87	5.90	5.93	876933.125	210.468969			3
+ 5.94	5.94	6.00	1154312.875	1044.486525			4
5.94	5.97	6.00	173144.9687	156.671203			4
5.94	5.99	6.00	72367.57031	65.482205			4
E 6.10	6.13	6.16	14805847	7235.634446			5
6.30	6.33	6.36	2381650.75	166.819883			6
Height Summation:			82361169.414063				
Amount Avg CF:			2543.259005	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: 6706992 RI ACF DF100 TS-48 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.2 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:47:17
Instrument : P 20--17342A
Result file : 6p20188.0019.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 11, 2012 17:47:17
Instrument : P 20--17342B
Result file : 6p20188B.0019.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1688.7417	357.6159		** 169.25	4	40	
Aroclor-1221			1688.7417	456.9536		** 184.55	3	40	
Aroclor-1232			1688.7417	794.702		** 156.78	4	40	
Aroclor-1242			1688.7417	327.8146		** 169.55	4	40	
Aroclor-1248			1688.7417	327.8146		35.40	4	40	
Aroclor-1254			1688.7417	327.8146		** 43.72	4	40	
Aroclor-1260			1688.7417	486.755		6.24	4	40	
Aroclor-1262			1688.7417	327.8146	E	19.12	4	40	
Aroclor-1268			1688.7417	327.8146	E	6.13	4	40	
Total PCBs			1688.7417	327.8146					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706992 RI ACF DF100ADTS-48 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 5:47:17 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0019.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.526		1781	580
2.584		5511	7412
2.677		8053	32971
2.732		39800	37090
2.753		71327	64625
2.803		2403	3565
2.817		2277	1788
2.836		2085	1567
2.871		4624	5178
2.909		12015	10224
2.956		3113	4248
2.999		4777	8620
3.038	TCX	74241	52554
3.062		13479	10611
3.091		2779	1524
3.126		5751	6201
3.152		14458	11683
3.217		1852	4703
3.27		1512	2424
3.292		1858	1030
3.309		1688	664
3.351		46737	30568
3.365		203202	132036
3.398		2257	990
3.419		2143	759
3.443		4589	5117
3.474		2976	2105
3.519		8127	11765
3.563		1611	1243
3.617		24656	46062
3.669		6883	15056
3.712		431	2772
3.734		3432	3483
3.797		13024	15827
3.834		3097	2913
3.86		2873	2656
3.885		1721	615
3.937		6406	10652
3.97		4193	3310
3.995		10448	9928
4.038		26162	32092
4.102		6493	6080
4.123		1537	434
4.158		2175	1244
4.188		2988	1845
4.223		11333	14203
4.261		3344	2543
4.291		8523	10644
4.35		5442	5823
4.385		520811	526019
4.428		45338	37027
4.473		5999	18493
4.501		143825	141169
4.546		540349	620907

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RT A	Compound A	Height A	Area A
4.581		153541	147295
4.624		18373	14220
4.647		26979	23395
4.691		121059	128277
4.762		474371	717288
4.809		950189	1020913
4.858		1504172	1887641
4.896		305170	247354
4.936		3379787	3844700
4.987		30239	26545
5.028		494207	626335
5.061		17448	8847
5.089		873879	936487
5.142		5429853	7574184
5.193		790167	761424
5.234		2314898	2870015
5.277		25457	13431
5.315		430693	521328
5.35		5863650	7195780
5.415		3256585	3552369
5.457		2264712	2552006
5.51		10942	7248
5.579		3620954	5877684
5.638		1729299	1834868
5.677		936412	999958
5.717		173519	199888
5.762		1005466	1062719
5.818		9946795	12090410
5.908		31155	61937
5.975		40221	57309
6.025		4960747	5775466
6.067		1361428	2733917
6.193		89473	206056
6.272		79474	70418
6.298		896017	922898
6.364		11274	11230
6.454		2048474	2475818
6.499		117326	131083
6.657		394091	492556
6.776		1539	833
6.802	DCB	60961	93426
6.882		19697	23825
6.98		34191	54567
7.086		5550	8853
7.138		2068	1819
7.226		11614	16353
7.449		1230	577
7.547		4238	12015
7.866		937	1019
7.913		1872	1373
8.085		1390	1530
8.196		892	285
8.334		1131	4190
8.384		1495	584
8.427		1969	3887
8.521		1523	562

LANCASTER LABORATORIES

Sample Number: 6706992 RI ACF DF100ADTS-48 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 5:47:17 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0019.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.523		85133	100991
2.582		366611	288192
2.648		56586	38892
2.68		59392	141395
2.716		62852	69676
2.757		24295	40695
2.816		29123	25196
2.845	TCX	365270	267424
2.888		11660	6480
2.903		37265	30905
2.935		19976	23281
2.968		33219	30569
2.988		27796	20277
3.016		62084	39249
3.042		5804	4629
3.056		8468	5374
3.068		11575	5783
3.108		18168	11280
3.152		1430623	1712232
3.229		20298	8085
3.273		36760	54839
3.304		12814	13385
3.319		15902	13811
3.371		21989	44852
3.389		11996	12307
3.415		11111	4629
3.433		9478	4347
3.454		49725	34746
3.485		88573	209957
3.527		112628	128530
3.566		83281	92452
3.612		29165	43464
3.711		27596	36877
3.758		32649	40132
3.815		83852	86199
3.871		19981	54499
3.886		29817	19608
3.908		19001	6634
3.924		187927	141184
3.969		120060	294447
3.991		114966	83809
4.027		76658	118812
4.071		48449	46107
4.103		14006	12754
4.112		15746	7325
4.145		37902	32083
4.171		2919623	2410653
4.197		51985	27463
4.238		860624	825511
4.277		3507162	3021223
4.312		872477	688327
4.336		329061	512674
4.405		175292	154629
4.438		774132	1065722

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RT B	Compound B	Height B	Area B
4.499		1041805	1184443
4.548		667128	456666
4.577		9431812	10816110
4.607		3606287	3885333
4.662		23242500	22480230
4.71		580216	548713
4.737		1352408	941549
4.763		7176551	6397374
4.808		47237390	43894860
4.864		91614	96348
4.921		28627010	29431810
4.979		3389748	3591963
5.018		9647664	9282901
5.058		36396400	36288560
5.091		25050460	21660950
5.133		17531120	17334510
5.193		187397	252501
5.237		5447110	7047224
5.29		24477650	23574590
5.316		2938893	2177740
5.364		14921940	15627640
5.401		6544025	5561800
5.426		3977999	3329304
5.483		86848980	89039240
5.524		1128498	920998
5.561		2043792	2007235
5.597		42871	25093
5.616		35555	32456
5.699		12848860	13929550
5.745		51202370	58090800
5.901		876933	979280
5.944		1154313	1058483
5.971		173145	112967
5.992		72368	37454
6.022		6530833	6522044
6.06		53192	48472
6.125		14805850	14808940
6.157		425410	332260
6.327		2381651	2601066
6.49	DCB	350186	387949
6.526		18380	15178
6.679		94420	86545
6.716		53775	61466
6.789		9270	4737
6.904		123505	150520
6.988		49840	52388
7.143		10035	25311
7.339		12633	54805
7.647		9187	21565
7.992		3102	1367
8.295		8171	14853
8.467		5325	7106
8.523		6955	11696

6706992 RI ACF DF100ADTS-48 T 121840016A 10736 SW-846 8082

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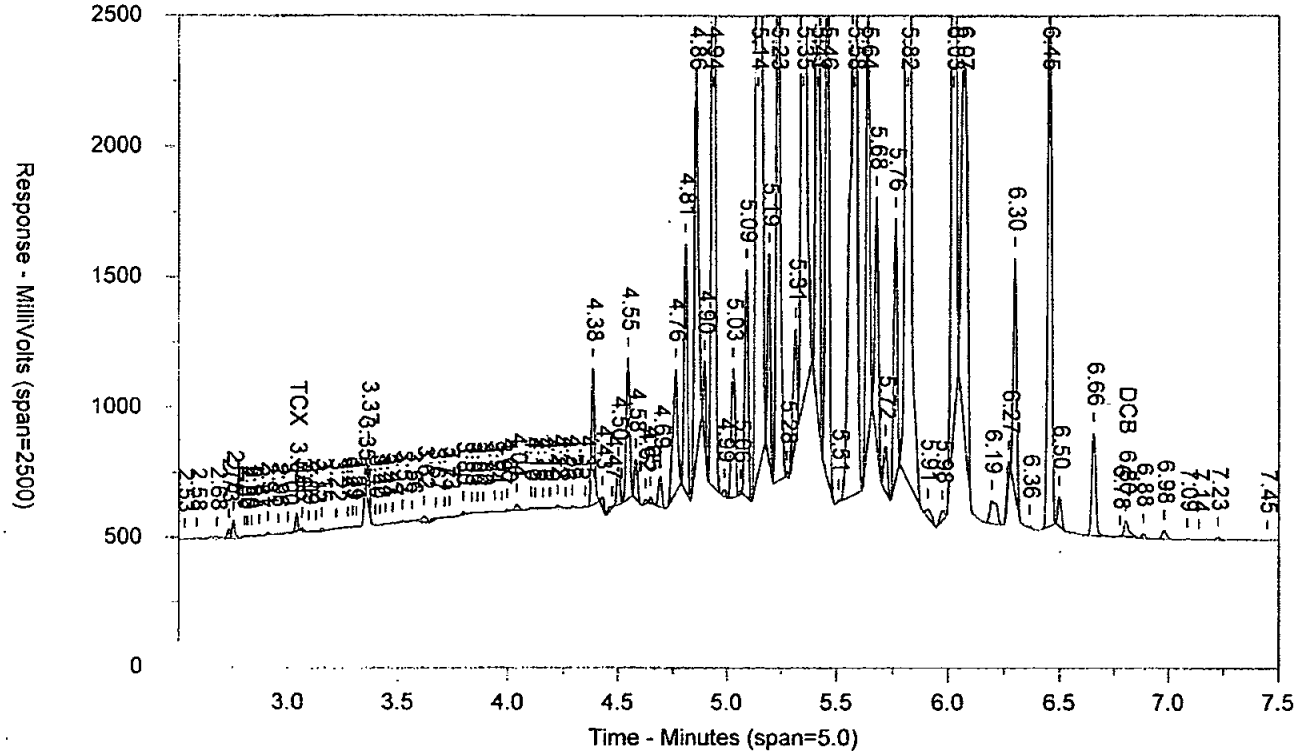

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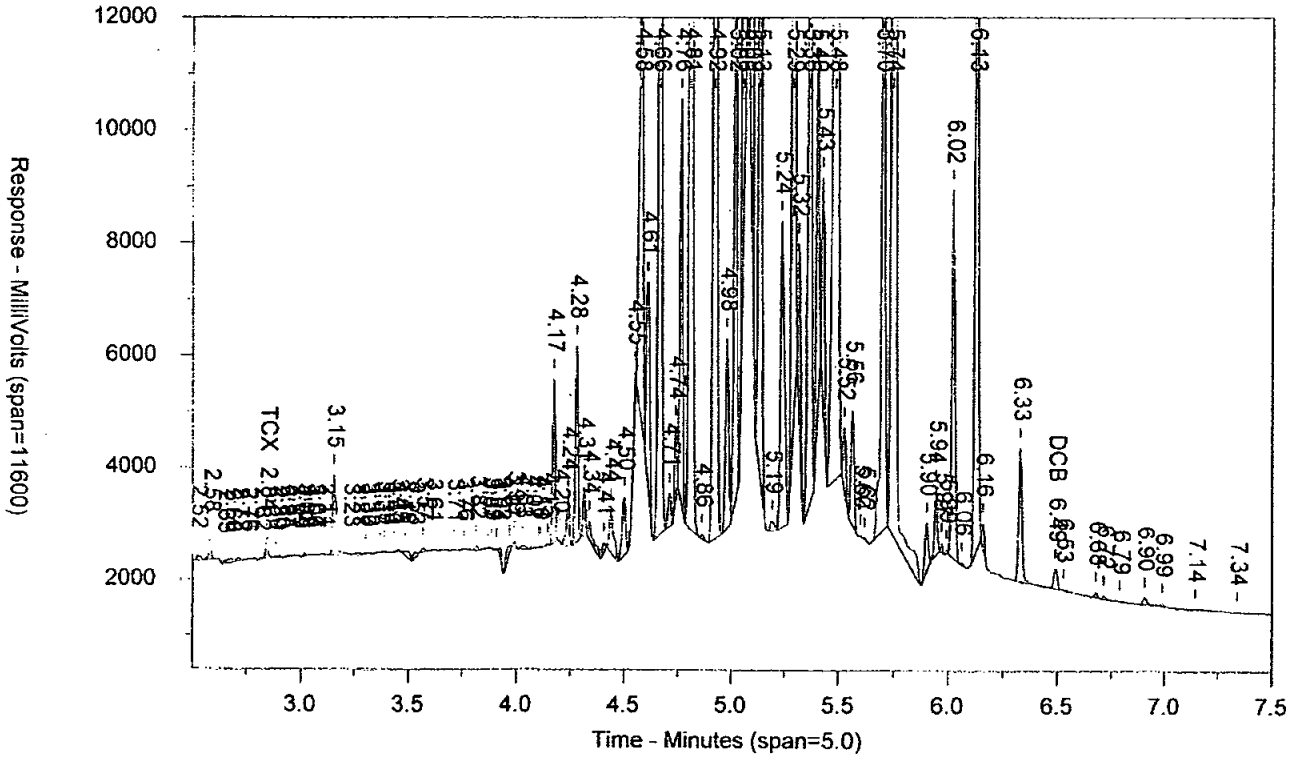

ASX67 8368

LANCASTER LABORATORIES

Sample Number: 6706992 RI ACF DF100ADTS-48 T 121840016A 10736 Sample Weight: 30SW-846 8082
Injected On: 7/11/2012 5:47:17 PM Dilution Factor: 1000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	74241	9.521	TCX	2.845	365270	8.087	TCX
6.802	60961	14.012	DCB	6.49	350186	11.079	DCB

Files:
Area File: 6p20188.0019.RAW
Area File: 6p20188B.0019.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 5:55:57 PM
File Reported On: 7/11/2012 at 5:56:04 PM

ASX67 8361

6706992 RI ACF DF100ADTS-48 T 121840016A 10736 SW-846 8082

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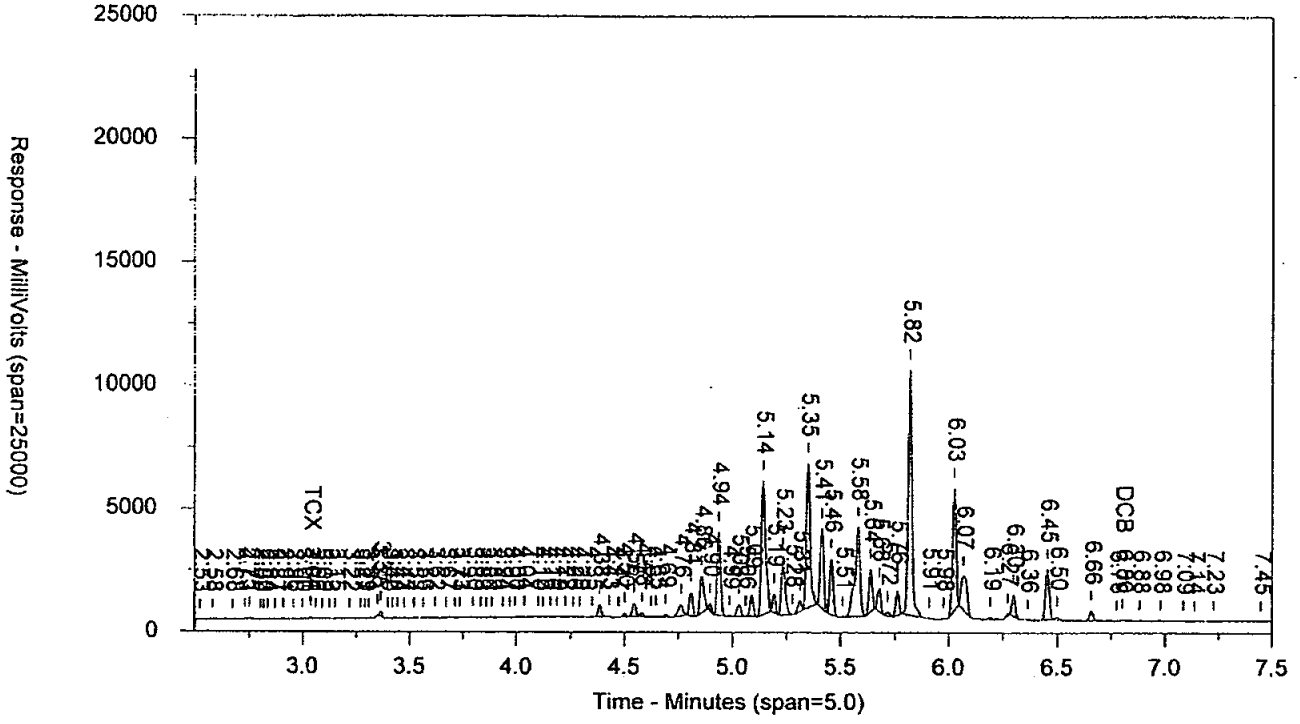

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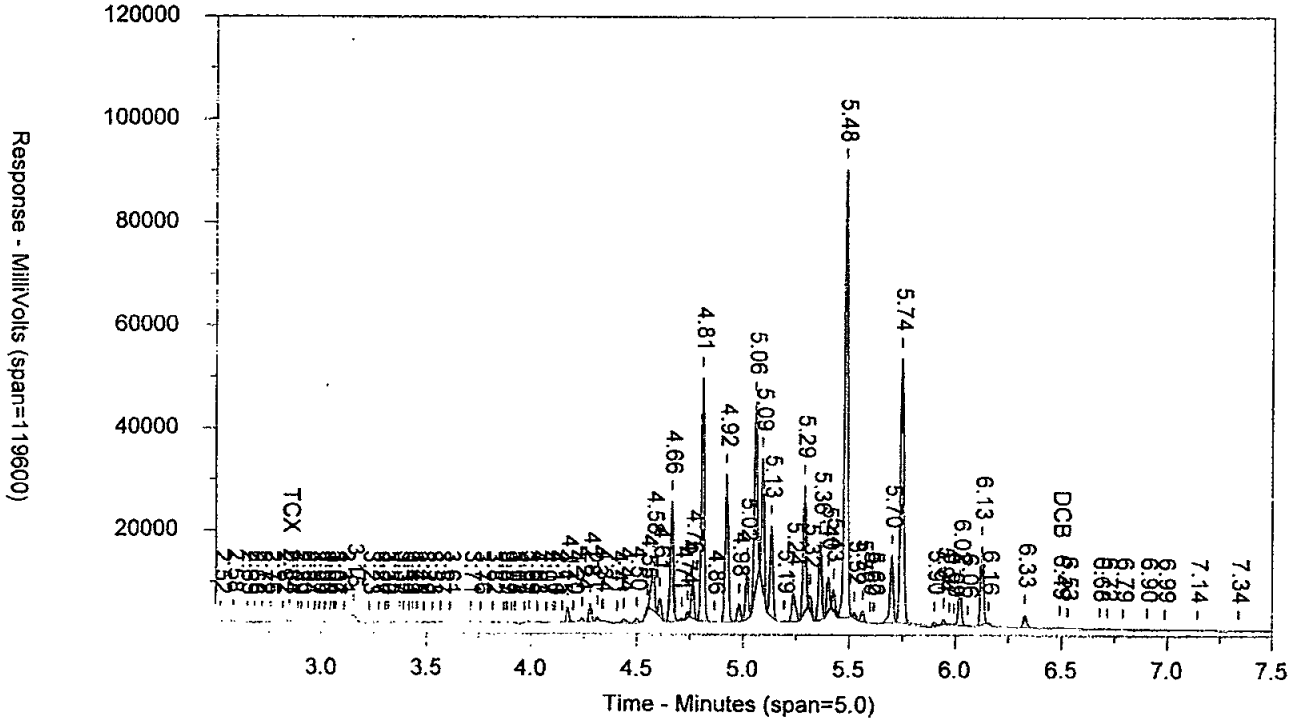

ASX67 0352

Data Summary

Sample Name: 6706993 RI ACF DF100 TS-49 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on Jul 11, 2012 17:58:46
Instrument 17342A
Result file 6P20188.0020.RAW
Calibration file 2P20188
Method file PESTDI20

%SSR(TCX) 109% (33 - 143) Conc: 11.198492
%SSR(DCB) 152% (24 - 164) Conc: 15.155034

Analysis Report (B)

Injected on Jul 11, 2012 17:58:46
Instrument 17342B
Result file 6P20188B.0020.RAW
Calibration file 2P20188B
Method file PESTDI20B

%SSR(TCX) 89% (33 - 143) Conc: 9.145024
%SSR(DCB) 106% (24 - 164) Conc: 10.564625

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	87033	11.198492
Decachlorobiphenyl	6.78	6.80	6.82	65713	15.155034

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	411675	9.145024
Decachlorobiphenyl	6.47	6.49	6.51	332819	10.564625

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	11.198492				20.19	
☑	Decachlorobiphenyl	A	15.155034				35.70	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.15**	
5.11	5.14	5.17	5058290	13997.499655			1
5.20	5.23	5.26	2180303.25	12717.817021			2
5.32	5.35	5.38	5883237	14890.817245			3
5.38	5.41	5.44	3195460.25	14549.059555			4
5.99	6.02	6.05	4821081.5	16338.549875			5
6.42	6.45	6.48	1990492.375	14776.433966			6

Height summation: **23128864.375**
Concentration CF: **14545.029553** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.71**	
4.78	4.81	4.84	35861200	12372.319397			1
4.89	4.92	4.95	23808414	11365.988662			2
5.03	5.06	5.09	30669972	13971.916132			3
5.26	5.29	5.32	21221148	13108.123393			4
5.45	5.48	5.51	78119520	16777.356971			5
6.10	6.12	6.16	13538810	14363.272392			6

Height summation: **203219064**
Concentration CF: **13659.829491** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑	Aroclor-1016			<1694.3521	<358.804			4	40	
☑	Aroclor-1221			<1694.3521	<458.4717			3	40	
☑	Aroclor-1232			<1694.3521	<797.3422			4	40	
☑	Aroclor-1242			<1694.3521	<328.9036			4	40	
☑	Aroclor-1248			<1694.3521	<328.9036			4	40	
☑	Aroclor-1254			<1694.3521	<328.9036			4	40	
☑	Aroclor-1260	A	14545.029553	1694.3521	488.3721		6.28	4	40	
☐	Aroclor-1262			<1694.3521	<328.9036			4	40	
☐	Aroclor-1268			<1694.3521	<328.9036			4	40	
☐	Total PCBs	A	14545.029553	1694.3521	328.9036		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders Chemist
Verified by:
Date: JUL 12 2012
Date:

7/12/2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706993** RI ACF DF100 TS-49 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:58:46
Instrument : P 20--17342A
Result file : 6p20188.0020.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 109% (33-143) Conc.: 11.198492
%SSR(DCB) : 152% (24-164) Conc.: 15.155034

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					7	81.52	
3.27	3.28	3.33	25537.81445:	181.480213			1
3.61	3.61	3.66	15753.63378!	89.151415			2
+ 3.61	3.66	3.66	5587.405762	31.619697			2
3.83	3.85	3.89	3860.312012	18.825625			3
3.89	3.92	3.95	5474.72998	29.434917			4
+ 3.96	3.97	4.02	2875.30542	25.537303			5
3.96	3.99	4.02	14441.10937!	128.26011			5
4.09	4.10	4.15	3529.435791	27.725653			6
4.09	4.12	4.15	6412.339844	50.372444			6
+ 4.09	4.15	4.15	2062.200439	16.199715			6
Height Summation:			75009.375244				
Amount Avg CF:			75.035768	Linear:			
Aroclor-1221					3	103.96	
3.16	3.22	3.22	1325.962524	17.840994			1
3.22	3.26	3.28	2021.65271	31.788674			2
3.27	3.28	3.33	25537.81445:	134.931495			3
Height Summation:			28885.429687				
Amount Avg CF:			61.520388	Linear:			
Aroclor-1232					7	81.13	
3.27	3.28	3.33	25537.81445:	128.829979			1
+ 3.61	3.61	3.67	15753.63378!	162.29837			2
3.61	3.66	3.67	5587.405762	57.563027			2
3.83	3.85	3.89	3860.312012	33.977401			3
3.90	3.92	3.95	5474.72998	54.913318			4
+ 3.96	3.97	4.02	2875.30542	52.923518			5
3.96	3.99	4.02	14441.10937!	265.806304			5
4.10	4.10	4.16	3529.435791	53.757655			6
4.10	4.12	4.16	6412.339844	97.667835			6
+ 4.10	4.15	4.16	2062.200439	31.409853			6
Height Summation:			64843.147217				
Amount Avg CF:			98.930788	Linear:			
Aroclor-1242					7	98.75	
3.27	3.28	3.33	25537.81445:	217.168944			1
+ 3.61	3.61	3.67	15753.63378!	107.858425			2
3.61	3.66	3.67	5587.405762	38.254589			2
3.83	3.85	3.89	3860.312012	22.33387			3
3.90	3.92	3.96	5474.72998	36.605214			4
+ 3.97	3.97	4.03	2875.30542	32.2391			5
3.97	3.99	4.03	14441.10937!	161.919621			5
+ 4.10	4.10	4.16	3529.435791	32.379139			6
4.10	4.12	4.16	6412.339844	58.826978			6
4.10	4.15	4.16	2062.200439	18.918682			6
Height Summation:			63375.911865				
Amount Avg CF:			79.146843	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 17:58:46
Instrument : P 20--17342B
Result file : 6p20188B.0020.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 89% (33-143) Conc.: 9.145024
%SSR(DCB) : 106% (24-164) Conc.: 10.564625

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	223.96	
3.11	3.15	3.17	2545231.5	3504.893587			1
+ 3.45	3.45	3.51	28450.53906:	32.045543			2
3.45	3.49	3.51	30793.78710!	34.684883			2
3.65	3.67	3.70	10548.09277:	10.466204			3
+ 3.72	3.74	3.78	8281.792969	7.949667			4
3.72	3.75	3.78	10623.34668	10.197317			4
+ 3.79	3.79	3.85	49947.98828·	76.786541			5
3.79	3.82	3.85	40733.49218!	62.62082			5
3.90	3.92	3.96	131293.7343:	153.753861			6
Height Summation:			2769223.953125				
Amount Avg CF:			629.436112	Linear:			
Aroclor-1221					3	162.46	
2.99	3.02	3.05	20278.30078·	50.664076			1
+ 2.99	3.04	3.05	7666.928711	19.155346			1
3.05	3.05	3.11	16918.78710!	58.323916			2
3.11	3.15	3.17	2545231.5	2527.046956			3
Height Summation:			2582428.587890				
Amount Avg CF:			878.678316	Linear:			
Aroclor-1232					6	172.32	
3.11	3.15	3.17	2545231.5	2540.015117			1
+ 3.45	3.45	3.51	28450.53906:	60.458848			2
3.45	3.49	3.51	30793.78710!	65.43837			2
3.65	3.67	3.71	10548.09277:	20.137274			3
+ 3.72	3.74	3.78	8281.792969	15.462819			4
3.72	3.75	3.78	10623.34668	19.834701			4
+ 3.79	3.79	3.85	49947.98828·	538.494011			5
3.79	3.82	3.85	40733.49218!	439.151652			5
3.90	3.92	3.96	131293.7343:	332.102563			6
Height Summation:			2769223.953125				
Amount Avg CF:			569.446613	Linear:			
Aroclor-1242					6	212.41	
3.11	3.15	3.17	2545231.5	4232.113121			1
+ 3.45	3.45	3.51	28450.53906:	40.140638			2
3.45	3.49	3.51	30793.78710!	43.446708			2
3.65	3.67	3.71	10548.09277:	13.408844			3
+ 3.72	3.74	3.78	8281.792969	10.132349			4
3.72	3.75	3.78	10623.34668	12.99712			4
+ 3.79	3.79	3.85	49947.98828·	330.68786			5
3.79	3.82	3.85	40733.49218!	269.68196			5
3.90	3.92	3.96	131293.7343:	194.910954			6
Height Summation:			2769223.953125				
Amount Avg CF:			794.426451	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706993** RI ACF DF100 TS-49 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 11, 2012 17:58:46
Instrument : P 20--17342A
Result file : 6p20188.0020.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	141.09	
+ 3.96	3.97	4.02	2875.30542	17.910254			1
3.96	3.99	4.02	14441.10937	89.95355			1
4.09	4.10	4.15	3529.435791	19.069923			2
4.09	4.12	4.15	6412.339844	34.646564			2
+ 4.09	4.15	4.15	2062.200439	11.142292			2
4.19	4.22	4.25	13582.63769	82.32165			3
4.37	4.38	4.43	333559.7812	2310.357306			4
+ 4.37	4.43	4.43	26587.34179	184.153674			4
4.51	4.55	4.57	441620	2643.563267			5
4.78	4.81	4.84	720663.6875	5994.247981			6
Height Summation:			1533808.991455				
Amount Avg CF:			1596.308606	Linear:			
Aroclor-1254					6	120.74	
4.51	4.55	4.58	441620	1436.616798			1
4.72	4.76	4.78	504325.3437	2544.889605			2
4.78	4.81	4.84	720663.6875	1907.687255			3
5.00	5.03	5.06	421943.2187	1411.662892			4
+ 5.00	5.06	5.06	7057.729004	23.6125			4
5.20	5.23	5.26	2180303.25	9338.802333			5
5.32	5.35	5.38	5883237	19538.313351			6
Height Summation:			10152092.500000				
Amount Avg CF:			6029.662039	Linear:			
Aroclor-1260					6	8.15	
5.11	5.14	5.17	5058290	13997.499655			1
5.20	5.23	5.26	2180303.25	12717.817021			2
5.32	5.35	5.38	5883237	14890.817245			3
5.38	5.41	5.44	3195460.25	14549.059555			4
5.99	6.02	6.05	4821081.5	16338.549875			5
6.42	6.45	6.48	1990492.375	14776.433966			6
Height Summation:			23128864.375000				
Amount Avg CF:			14545.029553	Linear:			
Aroclor-1262					6	28.33	
E 5.11	5.14	5.17	5058290	16933.526432			1
E 5.38	5.41	5.44	3195460.25	8216.997409			2
E 5.55	5.58	5.61	3521955	13105.978443			3
E 5.79	5.82	5.85	9674050	13208.269093			4
E 5.99	6.02	6.05	4821081.5	11798.230186			5
E 6.43	6.45	6.49	1990492.375	8073.086396			6
Height Summation:			28261329.125000				
Amount Avg CF:			11889.347993	Linear:			
Aroclor-1268					6	134.32	
5.99	6.02	6.05	4821081.5	6060.063844			1
+ 6.05	6.07	6.11	123222.25	179.665285			2
6.05	6.07	6.11	357758.875	521.633474			2
6.18	6.21	6.24	78680.42187	126.500947			3
6.25	6.27	6.31	76133.53125	449.667587			4
+ 6.25	6.30	6.31	838701.8125	4953.625744			4
E 6.43	6.45	6.49	1990492.375	7019.024139			5
6.63	6.66	6.69	398857.9687	223.729647			6
Height Summation:			7723004.671875				
Amount Avg CF:			2400.103273	Linear:			

Analysis Report (B)

Injected on : JUL 11, 2012 17:58:46
Instrument : P 20--17342B
Result file : 6p20188B.0020.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	135.62	
+ 3.79	3.79	3.85	49947.98828	60.107377			1
3.79	3.82	3.85	40733.49218	49.018658			1
3.90	3.92	3.96	131293.7343	108.273737			2
+ 4.14	4.14	4.20	26974.38281	15.722084			3
4.14	4.17	4.20	1488436.875	867.539027			3
4.47	4.50	4.53	692814.125	1258.749752			4
+ 4.54	4.55	4.60	965849.0625	1233.126086			5
4.54	4.58	4.60	8271072.5	10559.90595			5
+ 4.71	4.71	4.77	408174.59375	596.516438			6
4.71	4.74	4.77	850605.4375	1243.095807			6
4.71	4.76	4.77	5978715	8737.441847			6
Height Summation:			17453671.164063				
Amount Avg CF:			3260.574968	Linear:			
Aroclor-1254					7	137.13	
4.47	4.50	4.53	692814.125	501.050645			1
+ 4.54	4.55	4.60	965849.0625	411.075137			2
4.54	4.58	4.60	8271072.5	3520.252173			2
+ 4.71	4.71	4.77	408174.59375	210.387721			3
4.71	4.74	4.77	850605.4375	438.432333			3
4.71	4.76	4.77	5978715	3081.642618			3
4.78	4.81	4.84	35861200	28861.120515			4
4.95	4.98	5.01	2933170.75	2360.616544			5
5.03	5.06	5.09	30669972	15760.337988			6
+ 5.03	5.09	5.09	22393178	11507.152791			6
Height Summation:			85257549.812500				
Amount Avg CF:			7789.064688	Linear:			
Aroclor-1260					6	13.71	
4.78	4.81	4.84	35861200	12372.319397			1
4.89	4.92	4.95	23808414	11365.988662			2
5.03	5.06	5.09	30669972	13971.916132			3
5.26	5.29	5.32	21221148	13108.123393			4
+ 5.26	5.32	5.32	2072896.75	1280.410767			4
5.45	5.48	5.51	78119520	16777.356971			5
6.10	6.12	6.16	13538810	14363.272392			6
Height Summation:			203219064.000000				
Amount Avg CF:			13659.829491	Linear:			
Aroclor-1262					6	34.99	
E 4.89	4.92	4.95	23808414	13087.924252			1
E 5.06	5.09	5.12	22393178	6942.580902			2
E 5.26	5.29	5.32	21221148	8409.514989			3
+ 5.26	5.32	5.32	2072896.75	821.447374			3
E 5.45	5.48	5.51	78119520	12376.198527			4
5.67	5.70	5.73	11620754	5150.29554			5
E 6.10	6.12	6.16	13538810	7747.791445			6
Height Summation:			170701824.000000				
Amount Avg CF:			8952.384276	Linear:			
Aroclor-1268					7	141.50	
5.67	5.70	5.73	11620754	1603.740365			1
E 5.72	5.75	5.78	43920416	7057.50025			2
5.87	5.90	5.93	602063.6875	144.978798			3
+ 5.94	5.94	6.00	926808.5	841.414074			4
5.94	5.97	6.00	166361.7968	151.033528			4
5.94	5.99	6.00	25021.503900	22.716069			4
6.10	6.12	6.16	13538810	6638.413729			5
6.30	6.33	6.36	2178356.5	153.087297			6
Height Summation:			72051783.488281				
Amount Avg CF:			2253.067148	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: 6706993 RI ACF DF100 TS-49 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.1 g Total Volume: 1000 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	: JUL 11, 2012 17:58:46
Instrument	: P 20--17342A
Result file	: 6p20188.0020.RAW
Calibration file	: 2p20188.CAL
Method file	: PESTDI20.MET

Analysis Report (B)

Injected on	: JUL 11, 2012 17:58:46
Instrument	: P 20--17342B
Result file	: 6p20188B.0020.RAW
Calibration file	: 2P20188b.CAL
Method file	: PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1694.3521	358.804		** 157.39	4	40	
Aroclor-1221			1694.3521	458.4717		** 173.83	3	40	
Aroclor-1232			1694.3521	797.3422		** 140.79	4	40	
Aroclor-1242			1694.3521	328.9036		** 163.76	4	40	
Aroclor-1248			1694.3521	328.9036		** 68.53	4	40	
Aroclor-1254			1694.3521	328.9036		25.46	4	40	
Aroclor-1260			1694.3521	488.3721		6.28	4	40	
Aroclor-1262			1694.3521	328.9036	E	28.18	4	40	
Aroclor-1268			1694.3521	328.9036	E	6.32	4	40	
Total PCBs			1694.3521	328.9036					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706993 RI ACF DF100ADTS-49 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 5:58:46 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0020.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.525		1922	1450
2.553		1014	564
2.583		4166	6636
2.646		4277	3165
2.732		28471	23130
2.753		69233	54923
2.807		1395	2382
2.818		2924	1382
2.859		3120	2865
2.909		8007	6334
2.951		1981	1044
2.965		1864	759
2.996		3145	3989
3.038	TCX	87033	62798
3.062		7034	6351
3.091		1979	1167
3.125		4908	4876
3.156		3415	3765
3.215		1326	3452
3.258		2022	2972
3.283		25538	20475
3.365		507178	451082
3.446		3174	3112
3.473		1574	706
3.5		2093	1757
3.521		11191	10350
3.615		15754	27302
3.656		5587	5244
3.691		2040	2833
3.731		3292	2993
3.769		1806	1307
3.794		7480	6987
3.83		3765	3517
3.852		3860	3741
3.924		5475	6798
3.966		2875	1745
3.994		14441	11145
4.039		13116	21016
4.09		1650	1086
4.101		3529	1940
4.125		6412	5238
4.15		2062	1493
4.22		13583	14172
4.258		3224	2352
4.292		3723	3452
4.35		2354	1442
4.384		333560	341623
4.427		26587	22286
4.475		3585	9711
4.5		93925	92574
4.545		441620	474142
4.581		74421	69091
4.622		13604	10830
4.648		9499	7143

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RT A	Compound A	Height A	Area A
4.691		71542	72023
4.76		504325	705305
4.808		720664	786389
4.857		1463971	1908782
4.895		230293	190970
4.936		3113128	3530423
4.986		26767	24000
5.027		421943	527531
5.06		7058	3644
5.088		814361	922983
5.141		5058290	6788052
5.191		822207	799324
5.234		2180303	2776382
5.277		14752	6730
5.314		409828	473917
5.349		5883237	7001508
5.413		3195460	3584298
5.457		2159566	2384422
5.578		3521955	5614985
5.636		1684763	1810224
5.676		898912	988654
5.718		170558	183861
5.76		1037095	1114411
5.817		9674050	11742400
5.975		42782	60649
6.024		4821082	5637764
6.066		123222	253792
6.074		357759	376412
6.209		78680	167306
6.273		76134	70046
6.298		838702	889584
6.36		9567	10671
6.453		1990492	2467612
6.499		113016	128278
6.54		2852	9054
6.655		398858	480900
6.768		1812	834
6.804	DCB	65713	100858
6.882		18762	19228
6.981		9280	14011
7.056		1161	632
7.092		3295	4095
7.416		1363	1186
7.504		29823	100424
7.708		1072	2057
7.818		1551	1060
8.053		987	382
8.084		2376	3634
8.143		2448	4763
8.189		1508	883
8.283		1438	913
8.425		1626	2416
8.475		1761	740
8.532		1268	364

ASX67 0368

LANCASTER LABORATORIES

Sample Number: 6706993 RI ACF DF100ADTS-49 T 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/11/2012 5:58:46 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0020.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.523		62343	37790
2.534		65680	61403
2.564		51829	35606
2.583		378138	305326
2.629		21309	19277
2.651		15426	14389
2.685		16883	13315
2.715		25036	22563
2.762		17005	13408
2.787		12210	11114
2.817		10386	6816
2.844	TCX	411675	308798
2.904		15602	7167
2.928		11525	7193
2.97		19706	21138
3.016		20278	11412
3.042		7667	2997
3.055		16919	39018
3.152		2545232	2028909
3.194		82125	72173
3.246		12081	10717
3.278		34874	27133
3.312		9537	9874
3.451		28451	21285
3.488		30794	63432
3.53		51548	67625
3.566		49646	52934
3.61		11596	6744
3.675		10548	6546
3.738		8282	4541
3.752		10623	5885
3.789		49948	32513
3.817		40733	35507
3.873		14842	22948
3.919		131294	168053
3.964		52449	91943
3.991		59167	56999
4.028		55872	63116
4.07		27781	24856
4.097		7778	4680
4.144		26974	19808
4.171		1488437	1414865
4.238		479389	457905
4.277		2364161	2016211
4.312		368632	305260
4.335		106680	168673
4.404		75702	60975
4.437		350978	456642
4.499		692814	739965
4.547		965849	657746
4.577		8271073	8417308
4.606		2966321	3255088
4.662		18268890	17689870
4.71		408175	397371

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RT B	Compound B	Height B	Area B
4.737		850605	587891
4.762		5978715	5283952
4.808		35861200	34449020
4.865		34034	60973
4.921		23808410	24492570
4.979		2933171	3002499
5.018		7821623	7435468
5.057		30669970	30115070
5.089		22393180	19363570
5.131		13971280	14037730
5.202		94932	122289
5.237		4604395	5620586
5.289		21221150	20111010
5.316		2072897	1413878
5.364		12900040	13211230
5.401		5256123	4378246
5.426		3745758	3111639
5.482		78119520	77169180
5.523		1040759	840735
5.56		1724599	1666936
5.698		11620750	12462550
5.745		43920420	50225520
5.9		602064	702129
5.944		926809	868019
5.97		166362	123147
5.993		25022	8817
6.021		5684740	5982106
6.125		13538810	13529210
6.157		394012	303394
6.328		2178357	2333563
6.49	DCB	332819	343732
6.679		97405	99561
6.716		12043	13113
6.867		9807	5963
6.903		32521	44751
6.957		9008	3828
7.145		11628	13983
7.266		5189	3510
7.621		6825	8845
7.908		3742	1887
8.204		4002	1328
8.232		5088	11182
8.453		4030	4169
8.65		4840	6825

ASX67 0378

6706993 RI ACF DF100ADTS-49 T 121840016A 10736 SW-846 8082

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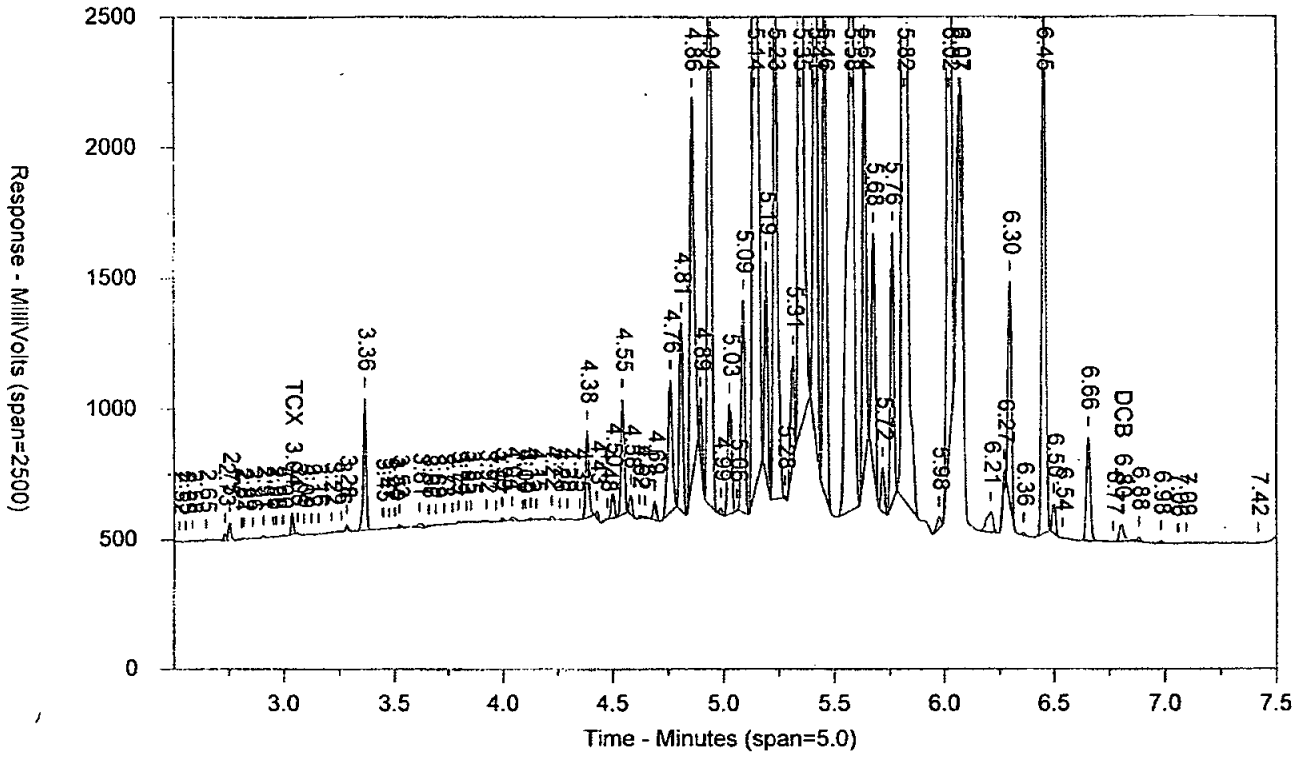

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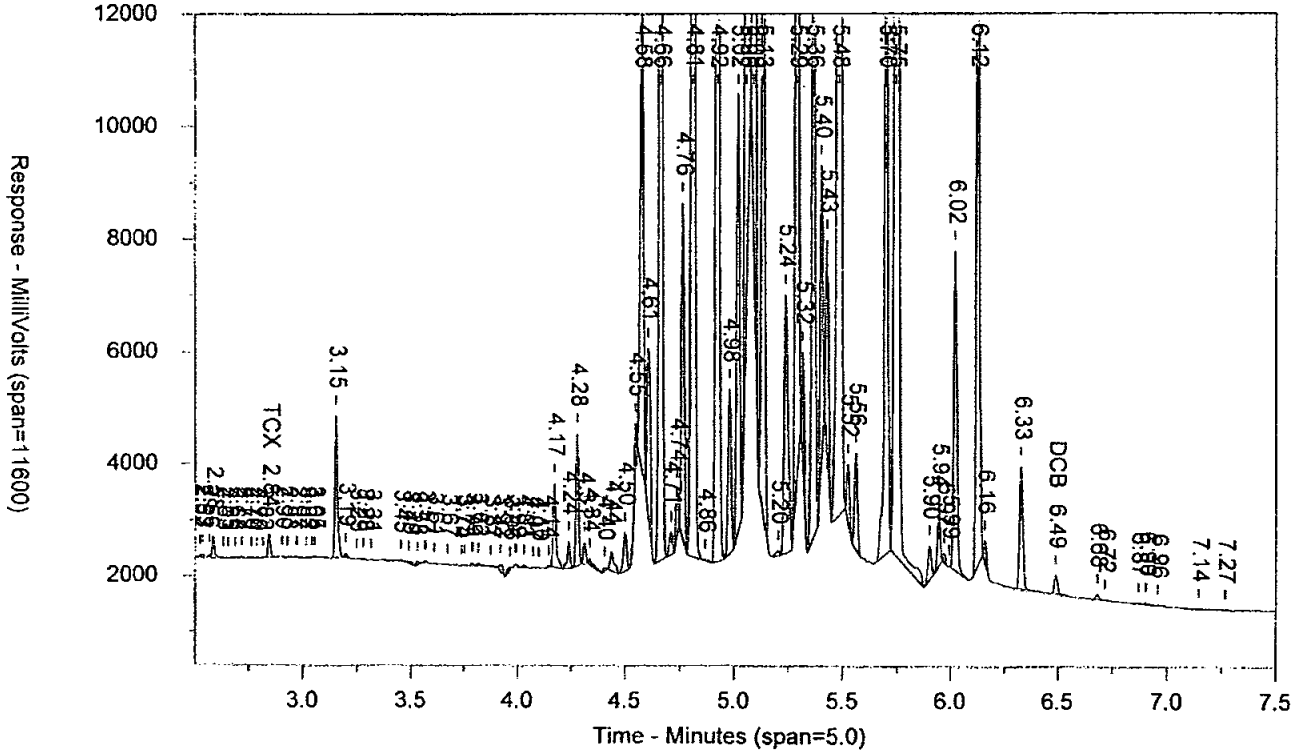

ASX67 B371

LANCASTER LABORATORIES

Sample Number: 6706993 RI ACF DF100ADTS-49 T 121840016A 10736 Sample Weight: 30BW-846 8082
Injected On: 7/11/2012 5:58:46 PM Dilution Factor: 1000
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	87033	11.198	TCX	2.844	411675	9.145	TCX
6.804	65713	15.155	DCB	6.49	332819	10.565	DCB

Files:
Area File: 6p20188.0020.RAW
Area File: 6p20188B.0020.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 6:07:27 PM
File Reported On: 7/11/2012 at 6:07:33 PM

ASX67 8372

6706993 RI ACF DF100ADTS-49 T 121840016A 10736 SW-846 8082

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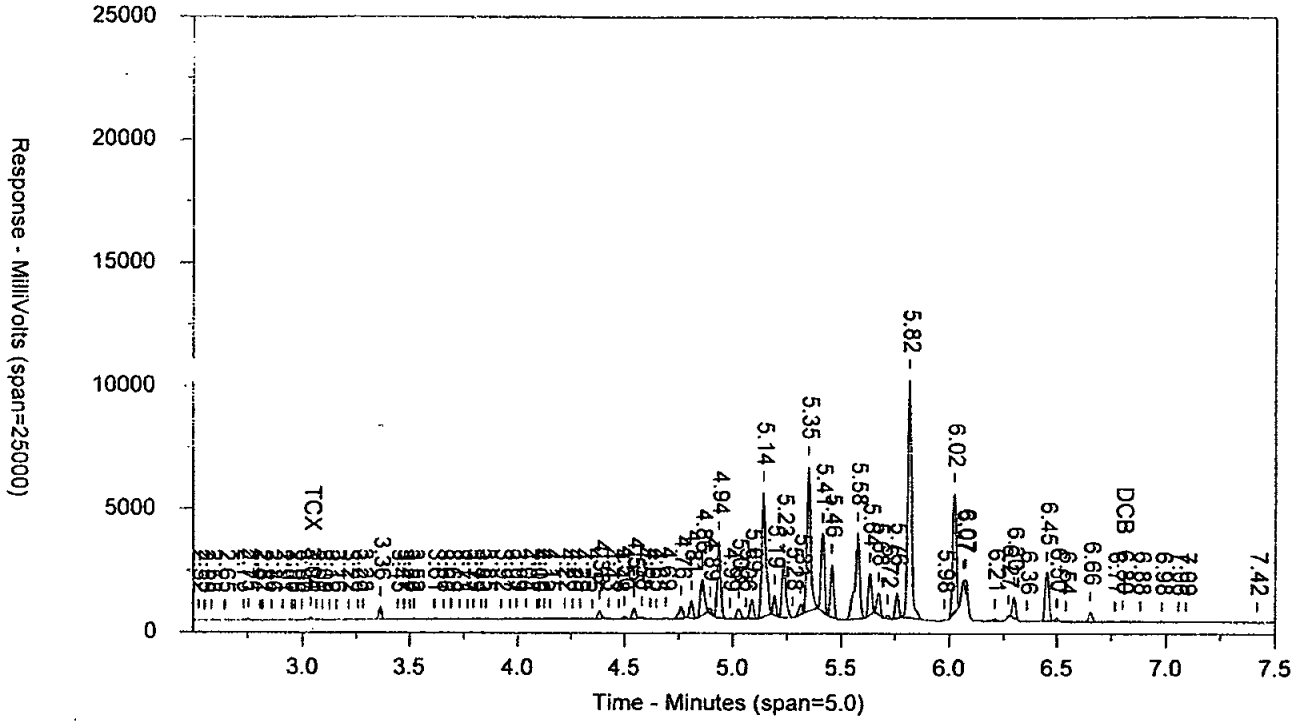

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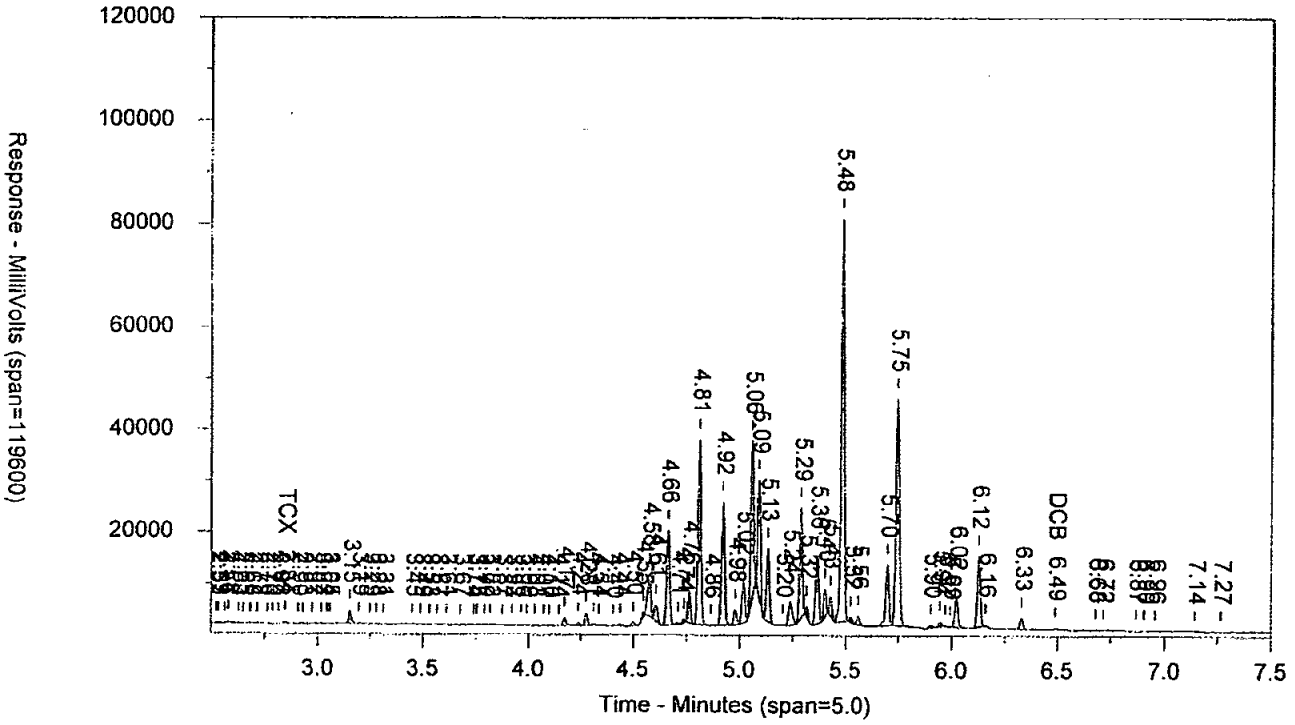

ASX67 0373

Standards Data

ASX67 0374

Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP20\1p20188.seq

Chromatography Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 85

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	1p20188.01R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
2	CONDITIONER	2	MISC	AA	1p20188.02R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
3	CONDITIONER	3	MISC	AA	1p20188.03R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
4	CONDITIONER	4	MISC	AA	1p20188.04R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
5	IBLKX1224C	5	PIBLK	AA	1p20188.05R	:P20\PESTDI20.MET	1000	10	1	0	1218699999	
6	AR1611224B	6	ICAL	AA	1p20188.06R	:P20\PESTDI20.MET	1	1	1	1	1218699999	
7	AR1621224B	7	ICAL	AA	1p20188.07R	:P20\PESTDI20.MET	1	1	1	2	1218699999	
8	AR1631224B	8	ICAL	AA	1p20188.08R	:P20\PESTDI20.MET	1	1	1	3	1218699999	
9	AR1641224B	9	ICAL	AA	1p20188.09R	:P20\PESTDI20.MET	1	1	1	4	1218699999	
10	AR1651224B	10	ICAL	AA	1p20188.10R	:P20\PESTDI20.MET	1	1	1	5	1218699999	
11	AR4811224A did not use	11	ICAL	AA	1p20188.11R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
12	AR4821224A	12	ICAL	AA	1p20188.12R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
13	AR4831224A	13	ICAL	AA	1p20188.13R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
14	AR4841224A did not use	14	ICAL	AA	1p20188.14R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
15	AR4851224A	15	ICAL	AA	1p20188.15R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
16	AR5411224A	16	ICAL	AA	1p20188.16R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
17	AR5421224A	17	ICAL	AA	1p20188.17R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
18	AR5431224A	18	ICAL	AA	1p20188.18R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
19	AR5441224A	19	ICAL	AA	1p20188.19R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
20	AR5451224A	20	ICAL	AA	1p20188.20R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
21	AR6231224A	21	ICAL	AA	1p20188.21R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
22	AR6831224A	22	ICAL	AA	1p20188.22R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
23	AR2131224A	23	ICAL	AA	1p20188.23R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
24	AR32X1224B	24	ICAL	AA	1p20188.24R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
25	AR4231224A	25	ICAL	AA	1p20188.25R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
26	AR16XX1224B	26	ICAL	AA	1p20188.26R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
27	MD16X1224B	27	ICAL	AA	1p20188.27R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
28	IC16X1224B	28	CCAL	AA	1p20188.28R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
29	IC48X1224A did not use	29	CCAL	AA	1p20188.29R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
30	IC54X1224A	30	CCAL	AA	1p20188.30R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
31	LCSA 6/28/12 RI ACF	31	LCS	AB	1p20188.31R	:P20\PESTDI20.MET	30	10	1	0	121800021A	10736
32	BLANKA 6/30/12CAF	32	BLK	AC	1p20188.32R	:P20\PESTDI20.MET	1000	10	1	0	121810011A	06030
33	LCSA 6/30/12CAF	33	LCS	AC	1p20188.33R	:P20\PESTDI20.MET	1000	10	1	0	121810011A	06030
34	LCSDA 6/30/12CAF	34	LCSD	AC	1p20188.34R	:P20\PESTDI20.MET	1000	10	1	0	121810011A	06030
35	6705765CAF	35	T	AC	1p20188.35R	:P20\PESTDI20.MET	1057	10	1	0	121810011A	06030
36	6701901 RI ACF DF1000	36	T	AE	1p20188.36R	:P20\PESTDI20.MET	30	10000	1	0	121800018A	10736
37	6701903 RI ACF DF500	37	T	AE	1p20188.37R	:P20\PESTDI20.MET	30	5000	1	0	121800018A	10736
38	6701904 RI ACF DF100	38	T	AC	1p20188.38R	:P20\PESTDI20.MET	30	1000	1	0	121800018A	10736
39	6701862 RI ACF DF250	39	T	AD	1p20188.39R	:P20\PESTDI20.MET	30.5	250000	1	0	121790016A	10736
40	6701863 RI ACF	40	T	AB	1p20188.40R	:P20\PESTDI20.MET	30.5	10	1	0	121790016A	10736
41	6701864 RI ACF	41	T	AB	1p20188.41R	:P20\PESTDI20.MET	30.5	10	1	0	121790016A	10736
42	6701865 RI ACF	42	T	AB	1p20188.42R	:P20\PESTDI20.MET	30.5	10	1	0	121790016A	10736
43	AR1631224B	43	CCAL	QL	1p20188.43R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
44	IBLKX1224C	44	PIBLK	IC	1p20188.44R	:P20\PESTDI20.MET	1000	10	1	0	1218699999	
45	BLANKA 7/2/12ACF	45	BLK	AB	1p20188.45R	:P20\PESTDI20.MET	30	10	1	0	121840016A	10736
46	LCSA 7/2/12ACF	46	LCS	AB	1p20188.46R	:P20\PESTDI20.MET	30	10	1	0	121840016A	10736
47	6700647RACF	47	T	AB	1p20188.47R	:P20\PESTDI20.MET	30.3	10	1	0	121840016A	10736
48	AR1631224B	48	CCAL	QM	1p20188.48R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
49	IBLKX1224C	49	PIBLK	ID	1p20188.49R	:P20\PESTDI20.MET	1000	10	1	0	1218699999	
50	6706981ACF DF50	50	T	AC	1p20188.50R	:P20\PESTDI20.MET	30.1	500	1	0	121840016A	10736

- AR4811224A did not inject properly so only used one level of AR48

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP20\1p20188.seq

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Method Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 85

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51	6706982MSACF DF50	51	MS	AC	1p20188.51R	:P20\PESTDI20.MET	30.4	500	1	0	121840016A	10736
52	6706983MSDACF DF50	52	MSD	AC	1p20188.52R	:P20\PESTDI20.MET	30	500	1	0	121840016A	10736
53	6706974ACF DF20	53	T	AC	1p20188.53R	:P20\PESTDI20.MET	30.3	200	1	0	121840016A	10736
54	6706975ACF DF100	54	T	AC	1p20188.54R	:P20\PESTDI20.MET	30	1000	1	0	121840016A	10736
55	6706976ACF DF20	55	T	AC	1p20188.55R	:P20\PESTDI20.MET	30.1	200	1	0	121840016A	10736
56	6706977ACF DF10	56	T	AC	1p20188.56R	:P20\PESTDI20.MET	30.1	100	1	0	121840016A	10736
57	6706978ACF DF5	57	T	AC	1p20188.57R	:P20\PESTDI20.MET	30.3	50	1	0	121840016A	10736
58	6706979ACF DF5	58	T	AC	1p20188.58R	:P20\PESTDI20.MET	30.2	50	1	0	121840016A	10736
59	6706980ACF DF100	59	T	AC	1p20188.59R	:P20\PESTDI20.MET	30.3	1000	1	0	121840016A	10736
60	AR1631224B	60	CCAL	QN	1p20188.60R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
61	IBLKX1224C	61	PIBLK	IE	1p20188.61R	:P20\PESTDI20.MET	1000	10	1	0	1218699999	
62	6706984ACF DF50	62	T	AC	1p20188.62R	:P20\PESTDI20.MET	30.1	500	1	0	121840016A	10736
63	6706985ACF DF20	63	T	AC	1p20188.63R	:P20\PESTDI20.MET	30.1	200	1	0	121840016A	10736
64	6706986ACF DF100	64	T	AC	1p20188.64R	:P20\PESTDI20.MET	30.3	1000	1	0	121840016A	10736
65	6706987ACF DF5	65	T	AC	1p20188.65R	:P20\PESTDI20.MET	30	50	1	0	121840016A	10736
66	6706988ACF DF20	66	T	AC	1p20188.66R	:P20\PESTDI20.MET	30.3	200	1	0	121840016A	10736
67	6706989ACF DF20	67	T	AC	1p20188.67R	:P20\PESTDI20.MET	30.3	200	1	0	121840016A	10736
68	6706990ACF DF100	68	T	AC	1p20188.68R	:P20\PESTDI20.MET	30.1	1000	1	0	121840016A	10736
69	6706991ACF DF100	69	T	AC	1p20188.69R	:P20\PESTDI20.MET	30.4	1000	1	0	121840016A	10736
70	6706992ACF DF50	70	T	AC	1p20188.70R	:P20\PESTDI20.MET	30.2	500	1	0	121840016A	10736
71	6706993ACF DF50	71	T	AC	1p20188.71R	:P20\PESTDI20.MET	30.1	500	1	0	121840016A	10736
72	AR1631224B	72	CCAL	QO	1p20188.72R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
73	IBLKX1224C	73	PIBLK	IF	1p20188.73R	:P20\PESTDI20.MET	1000	10	1	0	1218699999	
74	6707785ACF DF5	74	T	AC	1p20188.74R	:P20\PESTDI20.MET	30.1	50	1	0	121840016A	10736
75	BLANKA 7/2/12 RI AC	75	BLK	AB	1p20188.75R	:P20\PESTDI20.MET	30	10	1	0	121840017A	10736
76	LCSA 7/2/12 RI AC	76	LCS	AB	1p20188.76R	:P20\PESTDI20.MET	30	10	1	0	121840017A	10736
77	6706138 RI ACF	77	T	AB	1p20188.77R	:P20\PESTDI20.MET	30	10	1	0	121840017A	10736
78	6706141 RI ACF	78	T	AB	1p20188.78R	:P20\PESTDI20.MET	30	10	1	0	121840017A	10736
79	6706939 RI ACF	79	T	AB	1p20188.79R	:P20\PESTDI20.MET	30.3	10	1	0	121840017A	10736
80	6707374 RI ACF	80	T	AB	1p20188.80R	:P20\PESTDI20.MET	30.2	10	1	0	121840017A	10736
81	6707374MS RI ACF	81	MS	AB	1p20188.81R	:P20\PESTDI20.MET	30.2	10	1	0	121840017A	10736
82	6707374MSD RI ACF	82	MSD	AB	1p20188.82R	:P20\PESTDI20.MET	30.1	10	1	0	121840017A	10736
83	6707377 RI ACF	83	T	AB	1p20188.83R	:P20\PESTDI20.MET	30	10	1	0	121840017A	10736
84	AR1631224B	84	CCAL	QP	1p20188.84R	:P20\PESTDI20.MET	1	1	1	0	1218699999	
85	IBLKX1224C	85	PIBLK	IG	1p20188.85R	:P20\PESTDI20.MET	1000	10	1	0	1218699999	

Set-up by: [illegible] 285 Date: 8 July 12

7/5/2012

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP20\3p20188.seq

Chromatography Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 80

update MEK 7/20/12

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	3p20188.01R	P20\PESTDI20.MET	1	1	1	0	1218999999	
2	CONDITIONER	2	MISC	AA	3p20188.02R	P20\PESTDI20.MET	1	1	1	0	1218999999	
3	CONDITIONER	3	MISC	AA	3p20188.03R	P20\PESTDI20.MET	1	1	1	0	1218999999	
4	AR4811224A	4	ICAL	AA	3p20188.04R	P20\PESTDI20.MET	1	1	1	0	1218999999	
5	AR4821224A	5	ICAL	AA	3p20188.05R	P20\PESTDI20.MET	1	1	1	0	1218999999	
6	AR4831224A	6	ICAL	AA	3p20188.06R	P20\PESTDI20.MET	1	1	1	0	1218999999	
7	AR4841224A	7	ICAL	AA	3p20188.07R	P20\PESTDI20.MET	1	1	1	0	1218999999	
8	AR4851224A	8	ICAL	AA	3p20188.08R	P20\PESTDI20.MET	1	1	1	0	1218999999	
9	IC48X1224A	9	CCAL	CD	3p20188.09R	P20\PESTDI20.MET	1	1	1	0	1218999999	
10	6699403 RI ACF DF20	10	T	AC	3p20188.10R	P20\PESTDI20.MET	30.3	200	1	0	121780020A	10736
11	CONDITIONER	11	MISC	AA	3p20188.11R	P20\PESTDI20.MET	1	1	1	0	1218999999	
12	BLANKA 7/3/12ACF	12	BLK	AB	3p20188.12R	P20\PESTDI20.MET	30	10	1	0	121850005A	10736
13	LCSA 7/3/12ACF	13	LCS	AB	3p20188.13R	P20\PESTDI20.MET	30	10	1	0	121850005A	10736
14	6705858ACF DF10	14	T	AC	3p20188.14R	P20\PESTDI20.MET	30	100	1	0	121850005A	10736
15	AR1631224B	15	CCAL	QZ	3p20188.15R	P20\PESTDI20.MET	1	1	1	0	1218999999	
16	IBLKX1224C	16	PIBLK	IM	3p20188.16R	P20\PESTDI20.MET	1000	10	1	0	1218999999	
17	6707034ACF DF10	17	T	AC	3p20188.17R	P20\PESTDI20.MET	30	100	1	0	121850005A	10736
18	6707035MSACF DF10	18	MS	AC	3p20188.18R	P20\PESTDI20.MET	30	100	1	0	121850005A	10736
19	6707036MSDACF DF10	19	MSD	AC	3p20188.19R	P20\PESTDI20.MET	30	100	1	0	121850005A	10736
20	AR1631224B	20	CCAL	RA	3p20188.20R	P20\PESTDI20.MET	1	1	1	0	1218999999	
21	IBLKX1224C	21	PIBLK	IN	3p20188.21R	P20\PESTDI20.MET	1000	10	1	0	1218999999	
22	BLANKA 7/7/12AF	22	BLK	AB	3p20188.22R	P20\PESTDI20.MET	1000	10	1	0	121880004A	10227
23	LCSA 7/7/12AF	23	LCS	AB	3p20188.23R	P20\PESTDI20.MET	1000	10	1	0	121880004A	10227
24	LCSDA 7/7/12AF	24	LCSD	AB	3p20188.24R	P20\PESTDI20.MET	1000	10	1	0	121880004A	10227
25	6711113AF	25	T	AB	3p20188.25R	P20\PESTDI20.MET	853	10	1	0	121880004A	10227
26	6711286AF	26	T	AB	3p20188.26R	P20\PESTDI20.MET	1046	10	1	0	121880004A	10227
27	6711749AF	27	T	AB	3p20188.27R	P20\PESTDI20.MET	518	10	1	0	121880004A	10227
28	AR1631224B	28	CCAL	RB	3p20188.28R	P20\PESTDI20.MET	1	1	1	0	1218999999	
29	IBLKX1224C	29	PIBLK	IO	3p20188.29R	P20\PESTDI20.MET	1000	10	1	0	1218999999	
30	BLANKA 7/5/12ACF	30	BLK	AB	3p20188.30R	P20\PESTDI20.MET	30	10	1	0	121850023A	10736
31	LCSA 7/5/12ACF	31	LCS	AB	3p20188.31R	P20\PESTDI20.MET	30	10	1	0	121850023A	10736
32	6705009RACF	32	T	AB	3p20188.32R	P20\PESTDI20.MET	30.1	10	1	0	121850023A	10736
33	6705009RMSACF	33	MS	AB	3p20188.33R	P20\PESTDI20.MET	30.4	10	1	0	121850023A	10736
34	6705009RMSDACF	34	MSD	AB	3p20188.34R	P20\PESTDI20.MET	30	10	1	0	121850023A	10736
35	CONDITIONER	35	MSD	AA	3p20188.35R	P20\PESTDI20.MET	30	10	1	0	121850023A	10736
36	6705010RACF	36	T	AB	3p20188.36R	P20\PESTDI20.MET	30.2	10	1	0	121850023A	10736
37	6709347ACF DF5	37	T	AC	3p20188.37R	P20\PESTDI20.MET	30.1	50	1	0	121850023A	10736
38	6709348ACF DF5	38	T	AC	3p20188.38R	P20\PESTDI20.MET	30.2	50	1	0	121850023A	10736
39	CONDITIONER	39	T	AA	3p20188.39R	P20\PESTDI20.MET	30.2	50	1	0	121850023A	10736
40	6709349ACF DF10	40	T	AC	3p20188.40R	P20\PESTDI20.MET	30.4	100	1	0	121850023A	10736
41	CONDITIONER	41	T	AA	3p20188.41R	P20\PESTDI20.MET	30.4	100	1	0	121850023A	10736
42	AR1631224B	42	CCAL	RC	3p20188.42R	P20\PESTDI20.MET	1	1	1	0	1218999999	
43	IBLKX1224C	43	PIBLK	IP	3p20188.43R	P20\PESTDI20.MET	1000	10	1	0	1218999999	
44	BLANKA 7/5/12AF	44	BLK	AB	3p20188.44R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
45	LCSA 7/5/12AF	45	LCS	AB	3p20188.45R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
46	LCSDA 7/5/12AF	46	LCSD	AB	3p20188.46R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
47	6705279AF	47	T	AB	3p20188.47R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
48	CONDITIONER	48	T	AA	3p20188.48R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
49	6705280AF	49	T	AB	3p20188.49R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
50	6705281AF	50	T	AB	3p20188.50R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174

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Method Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 80

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51	CONDITIONER	51	T	AA	3p20188.51R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
52	6705282AF	52	T	AB	3p20188.52R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
53	6705283AF	53	T	AB	3p20188.53R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
54	6705284AF	54	T	AB	3p20188.54R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
55	CONDITIONER	55	T	AA	3p20188.55R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
56	CONDITIONER	56	T	AA	3p20188.56R	P20\PESTDI20.MET	1	50	1	0	121850021A	00174
57	AR1631224B	57	CCAL	RD	3p20188.57R	P20\PESTDI20.MET	1	1	1	0	1218999999	
58	IBLKX1224C	58	PIBLK	IQ	3p20188.58R	P20\PESTDI20.MET	1000	10	1	0	1218999999	
59	6707019ACF	59	T	AB	3p20188.59R	P20\PESTDI20.MET	30	10	1	0	121850005A	10736
60	6707019ACF DF5	60	T	AC	3p20188.60R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
61	6707020ACF DF5	61	T	AC	3p20188.61R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
62	6707021ACF DF10	62	T	AC	3p20188.62R	P20\PESTDI20.MET	30	100	1	0	121850005A	10736
63	6707022ACF DF5	63	T	AC	3p20188.63R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
64	6707023ACF DF5	64	T	AC	3p20188.64R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
65	6707024ACF DF10	65	T	AD	3p20188.65R	P20\PESTDI20.MET	30	100	1	0	121850005A	10736
66	6707025ACF DF5	66	T	AD	3p20188.66R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
67	6707026ACF DF5	67	T	AC	3p20188.67R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
68	6707027ACF DF5	68	T	AC	3p20188.68R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
69	AR1631224B	69	CCAL	RE	3p20188.69R	P20\PESTDI20.MET	1	1	1	0	1218999999	
70	IBLKX1224C	70	PIBLK	IR	3p20188.70R	P20\PESTDI20.MET	1000	10	1	0	1218999999	
71	6707028ACF DF5	71	T	AC	3p20188.71R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
72	6707029ACF DF5	72	T	AC	3p20188.72R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
73	6707030ACF DF5	73	T	AC	3p20188.73R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
74	6707031ACF DF5	74	T	AC	3p20188.74R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
75	6707032ACF DF5	75	T	AC	3p20188.75R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
76	6707033ACF DF5	76	T	AC	3p20188.76R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
77	6707037ACF DF10	77	T	AC	3p20188.77R	P20\PESTDI20.MET	30	100	1	0	121850005A	10736
78	6707038ACF DF5	78	T	AC	3p20188.78R	P20\PESTDI20.MET	30	50	1	0	121850005A	10736
79	AR1631224B	79	CCAL	RF	3p20188.79R	P20\PESTDI20.MET	1	1	1	0	1218999999	
80	IBLKX1224C	80	PIBLK	IS	3p20188.80R	P20\PESTDI20.MET	1000	10	1	0	1218999999	

Set-up by: 285S Date: 17 Jul 12

7/17/12

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Method Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 77

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1	CONDITIONER	1	MISC	AA	5p20188.01R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
2	CONDITIONER	2	MISC	AA	5p20188.02R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
3	CONDITIONER	3	MISC	AA	5p20188.03R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
4	CONDITIONER	4	MISC	AA	5p20188.04R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
5	AR1631224B	5	CCAL	RZ	5p20188.05R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
6	IBLKX1224C	6	PIBLK	JO	5p20188.06R	:P20\PESTDI20.MET	1000	10	1	0	1219199999	
7	BLANKA 7/2/12 RI AC	7	BLK	AB	5p20188.07R	:P20\PESTDI20.MET	30	10	1	0	121840016A	10736
8	LCSA 7/2/12 RI AC	8	LCS	AB	5p20188.08R	:P20\PESTDI20.MET	30	10	1	0	121840016A	10736
9	6700647R RI ACF	9	T	AB	5p20188.09R	:P20\PESTDI20.MET	30.3	10	1	0	121840016A	10736
10	6707785ACF	10	T	AB	5p20188.10R	:P20\PESTDI20.MET	30.1	10	1	0	121840016A	10736
11	6701851ACF DF5	11	T	AC	5p20188.11R	:P20\PESTDI20.MET	30.5	50	1	0	121790016A	10736
12	6707073 RI ACF	12	T	AB	5p20188.12R	:P20\PESTDI20.MET	30.5	10	1	0	121870008A	10736
13	AR1631224B	13	CCAL	SA	5p20188.13R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
14	IBLKX1224C	14	PIBLK	JP	5p20188.14R	:P20\PESTDI20.MET	1000	10	1	0	1219199999	
15	6701901ACF DF25	15	T	AF	5p20188.15R	:P20\PESTDI20.MET	30	250	1	0	121800018A	10736
16	6706981ACF DF10	16	T	AD	5p20188.16R	:P20\PESTDI20.MET	30.1	100	1	0	121840016A	10736
17	6706982MSACF DF10	17	MS	AD	5p20188.17R	:P20\PESTDI20.MET	30.4	100	1	0	121840016A	10736
18	6706983MSDACF DF10	18	MSD	AD	5p20188.18R	:P20\PESTDI20.MET	30	100	1	0	121840016A	10736
19	6706974ACF DF100	19	T	AD	5p20188.19R	:P20\PESTDI20.MET	30.3	1000	1	0	121840016A	10736
20	6706975ACF DF125	20	T	AD	5p20188.20R	:P20\PESTDI20.MET	30	1250	1	0	121840016A	10736
21	6706976ACF DF10	21	T	AD	5p20188.21R	:P20\PESTDI20.MET	30.1	100	1	0	121840016A	10736
22	6706977ACF DF200	22	T	AD	5p20188.22R	:P20\PESTDI20.MET	30.1	2000	1	0	121840016A	10736
23	6706978ACF DF100	23	T	AD	5p20188.23R	:P20\PESTDI20.MET	30.3	1000	1	0	121840016A	10736
24	6706980ACF DF50	24	T	AD	5p20188.24R	:P20\PESTDI20.MET	30.3	500	1	0	121840016A	10736
25	AR1631224B	25	CCAL	SB	5p20188.25R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
26	IBLKX1224C	26	PIBLK	JQ	5p20188.26R	:P20\PESTDI20.MET	1000	10	1	0	1219199999	
27	BLANKA 7/2/12 RI AC	27	BLK	AB	5p20188.27R	:P20\PESTDI20.MET	30	10	1	0	121840016A	10736
28	6700647R RI ACF	28	T	AB	5p20188.28R	:P20\PESTDI20.MET	30.3	10	1	0	121840016A	10736
29	LCSA 7/2/12 RI AC	29	LCS	AB	5p20188.29R	:P20\PESTDI20.MET	30	10	1	0	121840016A	10736
30	6707785ACF	30	T	AB	5p20188.30R	:P20\PESTDI20.MET	30.1	10	1	0	121840016A	10736
31	AR1631224B	31	CCAL	SJ	5p20188.31R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
32	IBLKX1224C	32	PIBLK	JV	5p20188.32R	:P20\PESTDI20.MET	1000	10	1	0	1219199999	
33	6706984ACF DF500	33	T	AD	5p20188.33R	:P20\PESTDI20.MET	30.1	5000	1	0	121840016A	10736
34	6706985ACF DF125	34	T	AD	5p20188.34R	:P20\PESTDI20.MET	30.1	1250	1	0	121840016A	10736
35	6706986ACF DF125	35	T	AD	5p20188.35R	:P20\PESTDI20.MET	30.3	1250	1	0	121840016A	10736
36	6706988ACF DF200	36	T	AD	5p20188.36R	:P20\PESTDI20.MET	30.3	2000	1	0	121840016A	10736
37	6706989ACF DF50	37	T	AD	5p20188.37R	:P20\PESTDI20.MET	30.3	500	1	0	121840016A	10736
38	6706992ACF DF100	38	T	AD	5p20188.38R	:P20\PESTDI20.MET	30.2	1000	1	0	121840016A	10736
39	6706993ACF DF100	39	T	AD	5p20188.39R	:P20\PESTDI20.MET	30.1	1000	1	0	121840016A	10736
40	6701901ACF DF50	40	T	AC	5p20188.40R	:P20\PESTDI20.MET	30	500	1	0	121800018A	10736
41	BLANKA 7/9/12ACF	41	BLK	AB	5p20188.41R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
42	LCSA 7/9/12ACF	42	LCS	AB	5p20188.42R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
43	AR1631224B	43	CCAL	SC	5p20188.43R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
44	IBLKX1224C	44	PIBLK	JR	5p20188.44R	:P20\PESTDI20.MET	1000	10	1	0	1219199999	
45	6709945ACF	45	T	AB	5p20188.45R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
46	6709949ACF	46	T	AB	5p20188.46R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
47	6709953ACF	47	T	AB	5p20188.47R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
48	6709957ACF	48	T	AB	5p20188.48R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
49	6709961ACF	49	T	AB	5p20188.49R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
50	6709965ACF	50	T	AB	5p20188.50R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736

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Number of Entries: 77

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51	6709969ACF	51	T	AB	5p20188.51R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
52	6709973ACF	52	T	AB	5p20188.52R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
53	6709977ACF	53	T	AB	5p20188.53R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
54	6709981ACF	54	T	AB	5p20188.54R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
55	6709985ACF	55	T	AB	5p20188.55R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
56	AR1631224B	56	CCAL	SD	5p20188.56R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
57	IBLKX1224C	57	PIBLK	JS	5p20188.57R	:P20\PESTDI20.MET	1000	10	1	0	1219199999	
58	6709989ACF	58	T	AB	5p20188.58R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
59	6710159ACF	59	T	AB	5p20188.59R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
60	6710159MSACF	60	MS	AB	5p20188.60R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
61	6710159MSDACF	61	MSD	AB	5p20188.61R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
62	6711105ACF	62	T	AB	5p20188.62R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
63	6711332ACF DF5	63	T	AC	5p20188.63R	:P20\PESTDI20.MET	30	50	1	0	121910004A	10736
64	6711927ACF	64	T	AB	5p20188.64R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
65	6711928ACF	65	T	AB	5p20188.65R	:P20\PESTDI20.MET	30	10	1	0	121910004A	10736
66	6712555ACF	66	T	AB	5p20188.66R	:P20\PESTDI20.MET	5	10	1	0	121910004A	10736
67	BLANKA 7/10/12AF	67	BLK	AB	5p20188.67R	:P20\PESTDI20.MET	1	10	1	0	121910010A	00174
68	AR1631224B	68	CCAL	SE	5p20188.68R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
69	IBLKX1224C	69	PIBLK	JT	5p20188.69R	:P20\PESTDI20.MET	1000	10	1	0	1219199999	
70	LCSA 7/10/12AF	70	LCS	AB	5p20188.70R	:P20\PESTDI20.MET	1	10	1	0	121910010A	00174
71	LCSDA 7/10/12AF	71	LCSD	AB	5p20188.71R	:P20\PESTDI20.MET	1	10	1	0	121910010A	00174
72	6712472AF	72	T	AB	5p20188.72R	:P20\PESTDI20.MET	1	10	1	0	121910010A	00174
73	6712473AF	73	T	AB	5p20188.73R	:P20\PESTDI20.MET	1	10	1	0	121910010A	00174
74	MS1218424B	74	MISC	AA	5p20188.74R	:P20\PESTDI20.MET	1	10	1	0	121910010A	00174
75	SS1219224A	75	MISC	AA	5p20188.75R	:P20\PESTDI20.MET	1	50	1	0	121910010A	00174
76	AR1631224B	76	CCAL	SF	5p20188.76R	:P20\PESTDI20.MET	1	1	1	0	1219199999	
77	IBLKX1224C	77	PIBLK	JU	5p20188.77R	:P20\PESTDI20.MET	1000	10	1	0	1219199999	

Set-up by: 2855 Date: 11/3/12

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Number of Entries: 98

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1	CONDITIONER	1	MISC	AA	6p20188.01R	P20\PESTDI20.MET	1	1	1	0	1219299999	
2	CONDITIONER	2	MISC	AA	6p20188.02R	P20\PESTDI20.MET	1	1	1	0	1219299999	
3	CONDITIONER	3	MISC	AA	6p20188.03R	P20\PESTDI20.MET	1	1	1	0	1219299999	
4	CONDITIONER	4	MISC	AA	6p20188.04R	P20\PESTDI20.MET	1	1	1	0	1219299999	
5	AR1631224B	5	CCAL	SK	6p20188.05R	P20\PESTDI20.MET	1	1	1	0	1219299999	
6	IBLKX1224C	6	PIBLK	JW	6p20188.06R	P20\PESTDI20.MET	1000	10	1	0	1219299999	
7	6701901 RI ACF DF50	7	T	AC	6p20188.07R	P20\PESTDI20.MET	30	500	1	0	121800018A	10736
8	BLANKA 7/4/12 RI AF	8	BLK	AB	6p20188.08R	P20\PESTDI20.MET	1000	10	1	0	121850009A	06030
9	LCSA 7/4/12 RI AF	9	LCS	AB	6p20188.09R	P20\PESTDI20.MET	1000	10	1	0	121850009A	06030
10	LCSDA 7/4/12 RI AF	10	LCSD	AB	6p20188.10R	P20\PESTDI20.MET	1000	10	1	0	121850009A	06030
11	6706950 RI AF	11	T	AB	6p20188.11R	P20\PESTDI20.MET	1018	10	1	0	121850009A	06030
12	6706984 RI ACF DF500	12	T	AD	6p20188.12R	P20\PESTDI20.MET	30.1	5000	1	0	121840016A	10736
13	6706985 RI ACF DF125	13	T	AD	6p20188.13R	P20\PESTDI20.MET	30.1	1250	1	0	121840016A	10736
14	6706986ACF DF500	14	T	AE	6p20188.14R	P20\PESTDI20.MET	30.3	5000	1	0	121840016A	10736
15	6706988 RI ACF DF200	15	T	AD	6p20188.15R	P20\PESTDI20.MET	30.3	2000	1	0	121840016A	10736
16	6706989ACF DF100	16	T	AE	6p20188.16R	P20\PESTDI20.MET	30.3	1000	1	0	121840016A	10736
17	AR1631224B	17	CCAL	SL	6p20188.17R	P20\PESTDI20.MET	1	1	1	0	1219299999	
18	IBLKX1224C	18	PIBLK	JX	6p20188.18R	P20\PESTDI20.MET	1000	10	1	0	1219299999	
19	6706992 RI ACF DF100	19	T	AD	6p20188.19R	P20\PESTDI20.MET	30.2	1000	1	0	121840016A	10736
20	6706993 RI ACF DF100	20	T	AD	6p20188.20R	P20\PESTDI20.MET	30.1	1000	1	0	121840016A	10736
21	6706975ACF DF200	21	T	AE	6p20188.21R	P20\PESTDI20.MET	30	2000	1	0	121840016A	10736
22	BLANKA 7/4/12 RI AC	22	BLK	AB	6p20188.22R	P20\PESTDI20.MET	30	10	1	0	121850011A	10736
23	LCSA 7/4/12 RI AC	23	LCS	AB	6p20188.23R	P20\PESTDI20.MET	30	10	1	0	121850011A	10736
24	6707039 RI ACF	24	T	AB	6p20188.24R	P20\PESTDI20.MET	30.1	10	1	0	121850011A	10736
25	6707040 RI ACF	25	T	AB	6p20188.25R	P20\PESTDI20.MET	30.4	10	1	0	121850011A	10736
26	6707041 RI ACF	26	T	AB	6p20188.26R	P20\PESTDI20.MET	30	10	1	0	121850011A	10736
27	6707042 RI ACF	27	T	AB	6p20188.27R	P20\PESTDI20.MET	30	10	1	0	121850011A	10736
28	6707043 RI ACF	28	T	AB	6p20188.28R	P20\PESTDI20.MET	30.2	10	1	0	121850011A	10736
29	AR1631224B	29	CCAL	SS	6p20188.29R	P20\PESTDI20.MET	1	1	1	0	1219299999	
30	IBLKX1224C	30	PIBLK	KB	6p20188.30R	P20\PESTDI20.MET	1000	10	1	0	1219299999	
31	6707044 RI ACF	31	T	AB	6p20188.31R	P20\PESTDI20.MET	30.3	10	1	0	121850011A	10736
32	6707045ACF DF5	32	T	AC	6p20188.32R	P20\PESTDI20.MET	30.3	50	1	0	121850011A	10736
33	6707045ACF DF10	33	T	AD	6p20188.33R	P20\PESTDI20.MET	30.3	100	1	0	121850011A	10736
34	6707046 RI ACF	34	T	AB	6p20188.34R	P20\PESTDI20.MET	30.2	10	1	0	121850011A	10736
35	6707047 RI ACF	35	T	AB	6p20188.35R	P20\PESTDI20.MET	30	10	1	0	121850011A	10736
36	6707048 RI ACF	36	T	AB	6p20188.36R	P20\PESTDI20.MET	30.1	10	1	0	121850011A	10736
37	6707049 RI ACF	37	T	AB	6p20188.37R	P20\PESTDI20.MET	30.2	10	1	0	121850011A	10736
38	6707050 RI ACF	38	T	AB	6p20188.38R	P20\PESTDI20.MET	30.3	10	1	0	121850011A	10736
39	6707051MS RI ACF	39	MS	AB	6p20188.39R	P20\PESTDI20.MET	30.1	10	1	0	121850011A	10736
40	6707052MSD RI ACF	40	MSD	AB	6p20188.40R	P20\PESTDI20.MET	30	10	1	0	121850011A	10736
41	AR1631224B	41	CCAL	ST	6p20188.41R	P20\PESTDI20.MET	1	1	1	0	1219299999	
42	IBLKX1224C	42	PIBLK	KC	6p20188.42R	P20\PESTDI20.MET	1000	10	1	0	1219299999	
43	6707053 RI ACF	43	T	AB	6p20188.43R	P20\PESTDI20.MET	30.3	10	1	0	121850011A	10736
44	6707054 RI ACF	44	T	AB	6p20188.44R	P20\PESTDI20.MET	30.1	10	1	0	121850011A	10736
45	6707055 RI ACF	45	T	AB	6p20188.45R	P20\PESTDI20.MET	30.5	10	1	0	121850011A	10736
46	6707056 RI ACF	46	T	AB	6p20188.46R	P20\PESTDI20.MET	30.2	10	1	0	121850011A	10736
47	6706964ACF DF500	47	T	AD	6p20188.47R	P20\PESTDI20.MET	30.5	5000	1	0	121820011A	10736
48	6706969ACF DF500	48	T	AF	6p20188.48R	P20\PESTDI20.MET	30.5	5000	1	0	121820011A	10736
49	6706969ACF DF1000	49	T	AD	6p20188.49R	P20\PESTDI20.MET	30.5	10000	1	0	121820011A	10736
50	6706971ACF DF200	50	T	AE	6p20188.50R	P20\PESTDI20.MET	30.5	2000	1	0	121820011A	10736

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Method Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 98

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51	6706972ACF DF200	51	T	AE	6p20188.51R	P20\PESTDI20.MET	30.5	2000	1	0	121820011A	10736
52	6706999ACF DF50	52	T	AD	6p20188.52R	P20\PESTDI20.MET	30.3	500	1	0	121840021A	10736
53	6707001 RI ACF DF5	53	T	AC	6p20188.53R	P20\PESTDI20.MET	30.1	50	1	0	121840021A	10736
54	AR1631224B	54	CCAL	SU	6p20188.54R	P20\PESTDI20.MET	1	1	1	0	1219299999	
55	IBLKX1224C	55	PIBLK	KD	6p20188.55R	P20\PESTDI20.MET	1000	10	1	0	1219299999	
56	6707002MS RI ACF DF5	56	MS	AC	6p20188.56R	P20\PESTDI20.MET	30.1	50	1	0	121840021A	10736
57	6707003MSD RI ACF DF	57	MSD	AC	6p20188.57R	P20\PESTDI20.MET	30.2	50	1	0	121840021A	10736
58	CONDITIONER	58	MISC	AA	6p20188.58R	P20\PESTDI20.MET	1	1	1	0	1219299999	
59	6707004 RI ACF DF5	59	T	AC	6p20188.59R	P20\PESTDI20.MET	30.5	50	1	0	121840021A	10736
60	6707005 RI ACF DF100	60	T	AC	6p20188.60R	P20\PESTDI20.MET	30.2	1000	1	0	121840021A	10736
61	6707006ACF DF5	61	T	AC	6p20188.61R	P20\PESTDI20.MET	30.4	50	1	0	121840021A	10736
62	6707007ACF DF100	62	T	AF	6p20188.62R	P20\PESTDI20.MET	30.2	1000	1	0	121840021A	10736
63	CONDITIONER	63	MISC	AA	6p20188.63R	P20\PESTDI20.MET	1	1	1	0	1219299999	
64	6707008 RI ACF	64	T	AB	6p20188.64R	P20\PESTDI20.MET	30.1	10	1	0	121840021A	10736
65	CONDITIONER	65	MISC	AA	6p20188.65R	P20\PESTDI20.MET	1	1	1	0	1219299999	
66	AR1631224B	66	CCAL	SV	6p20188.66R	P20\PESTDI20.MET	1	1	1	0	1219299999	
67	IBLKX1224C	67	PIBLK	KE	6p20188.67R	P20\PESTDI20.MET	1000	10	1	0	1219299999	
68	6707009ACF DF200	68	T	AE	6p20188.68R	P20\PESTDI20.MET	30.4	2000	1	0	121840021A	10736
69	6707010ACF DF200	69	T	AE	6p20188.69R	P20\PESTDI20.MET	30.1	2000	1	0	121840021A	10736
70	6707011 RI ACF DF500	70	T	AD	6p20188.70R	P20\PESTDI20.MET	30.1	5000	1	0	121840021A	10736
71	6707012 RI ACF DF50	71	T	AC	6p20188.71R	P20\PESTDI20.MET	30	500	1	0	121840021A	10736
72	6707013 RI ACF DF20	72	T	AC	6p20188.72R	P20\PESTDI20.MET	30.3	200	1	0	121840021A	10736
73	CONDITIONER	73	MISC	AA	6p20188.73R	P20\PESTDI20.MET	1	1	1	0	1219299999	
74	CONDITIONER	74	MISC	AA	6p20188.74R	P20\PESTDI20.MET	1	1	1	0	1219299999	
75	AR1631224B	75	CCAL	SW	6p20188.75R	P20\PESTDI20.MET	1	1	1	0	1219299999	
76	IBLKX1224C	76	PIBLK	KF	6p20188.76R	P20\PESTDI20.MET	1000	10	1	0	1219299999	
77	BLANKA 7/9/12 RI AC	77	BLK	AB	6p20188.77R	P20\PESTDI20.MET	30	10	1	0	121910004A	10736
78	LCSA 7/9/12 RI AC	78	LCS	AB	6p20188.78R	P20\PESTDI20.MET	30	10	1	0	121910004A	10736
79	6709989 RI ACF	79	T	AB	6p20188.79R	P20\PESTDI20.MET	30	10	1	0	121910004A	10736
80	6710159ACF DF2	80	T	AC	6p20188.80R	P20\PESTDI20.MET	30	20	1	0	121910004A	10736
81	6710159MSDF2	81	MS	AC	6p20188.81R	P20\PESTDI20.MET	30	20	1	0	121910004A	10736
82	6710159MSDACF DF2	82	MSD	AC	6p20188.82R	P20\PESTDI20.MET	30	20	1	0	121910004A	10736
83	6711105 RI ACF	83	T	AB	6p20188.83R	P20\PESTDI20.MET	30	10	1	0	121910004A	10736
84	6711332 RI ACF DF5	84	T	AC	6p20188.84R	P20\PESTDI20.MET	30	50	1	0	121910004A	10736
85	6711927 RI ACF	85	T	AB	6p20188.85R	P20\PESTDI20.MET	30	10	1	0	121910004A	10736
86	6711928 RI ACF	86	T	AB	6p20188.86R	P20\PESTDI20.MET	30	10	1	0	121910004A	10736
87	6712555 RI ACF	87	T	AB	6p20188.87R	P20\PESTDI20.MET	5	10	1	0	121910004A	10736
88	CONDITIONER	88	MISC	AA	6p20188.88R	P20\PESTDI20.MET	1	1	1	0	1219299999	
89	CONDITIONER	89	MISC	AA	6p20188.89R	P20\PESTDI20.MET	1	1	1	0	1219299999	
90	AR1631224B	90	CCAL	SM	6p20188.90R	P20\PESTDI20.MET	1	1	1	0	1219299999	
91	IBLKX1224C	91	PIBLK	JY	6p20188.91R	P20\PESTDI20.MET	1000	10	1	0	1219299999	
92	BLANKA 7/10/12 RI A	92	BLK	AB	6p20188.92R	P20\PESTDI20.MET	1	10	1	0	121910010A	00174
93	LCSA 7/10/12 RI A	93	LCS	AB	6p20188.93R	P20\PESTDI20.MET	1	10	1	0	121910010A	00174
94	LCSDA 7/10/12 RI A	94	LCSD	AB	6p20188.94R	P20\PESTDI20.MET	1	10	1	0	121910010A	00174
95	6712472	95	T	AA	6p20188.95R	P20\PESTDI20.MET	1	10	1	0	121910010A	00174
96	6712473	96	T	AA	6p20188.96R	P20\PESTDI20.MET	1	10	1	0	121910010A	00174
97	AR1631224B	97	CCAL	SN	6p20188.97R	P20\PESTDI20.MET	1	1	1	0	1219299999	
98	IBLKX1224C	98	PIBLK	JZ	6p20188.98R	P20\PESTDI20.MET	1000	10	1	0	1219299999	

Set-up by: 3885 Date: 17 July 12

7/17/12

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Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP20\7p20188.seq

Chromatography Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 37

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	7p20188.01R	P20\PESTDI20.MET	1	1	1	0	1219399999	
2	CONDITIONER	2	MISC	AA	7p20188.02R	P20\PESTDI20.MET	1	1	1	0	1219399999	
3	CONDITIONER	3	MISC	AA	7p20188.03R	P20\PESTDI20.MET	1	1	1	0	1219399999	
4	CONDITIONER	4	MISC	AA	7p20188.04R	P20\PESTDI20.MET	1	1	1	0	1219399999	
5	AR1631224B	5	CCAL	TD	7p20188.05R	P20\PESTDI20.MET	1	1	1	0	1219399999	
6	IBLKX1224C	6	PIBLK	KQ	7p20188.06R	P20\PESTDI20.MET	1000	10	1	0	1219399999	
7	BLANKA 7/4/12 RI AF	7	BLK	AB	7p20188.07R	P20\PESTDI20.MET	1000	10	1	0	121850009A	06030
8	LCSA 7/4/12 RI AF	8	LCS	AB	7p20188.08R	P20\PESTDI20.MET	1000	10	1	0	121850009A	06030
9	LCSDA 7/4/12 RI AF	9	LCSD	AB	7p20188.09R	P20\PESTDI20.MET	1000	10	1	0	121850009A	06030
10	6706950 RI AF	10	T	AB	7p20188.10R	P20\PESTDI20.MET	1018	10	1	0	121850009A	06030
11	6707053 RI ACF	11	T	AB	7p20188.11R	P20\PESTDI20.MET	30.3	10	1	0	121850011A	10736
12	6707054 RI ACF	12	T	AB	7p20188.12R	P20\PESTDI20.MET	30.1	10	1	0	121850011A	10736
13	6707055 RI ACF	13	T	AB	7p20188.13R	P20\PESTDI20.MET	30.5	10	1	0	121850011A	10736
14	6707056 RI ACF	14	T	AB	7p20188.14R	P20\PESTDI20.MET	30.2	10	1	0	121850011A	10736
15	AR1631224B	15	CCAL	TH	7p20188.15R	P20\PESTDI20.MET	1	1	1	0	1219399999	
16	IBLKX1224C	16	PIBLK	KU	7p20188.16R	P20\PESTDI20.MET	1000	10	1	0	1219399999	
17	6706975ACF DF500	17	T	AF	7p20188.17R	P20\PESTDI20.MET	30	5000	1	0	121840016A	10736
18	6706964 RI ACF DF500	18	T	AD	7p20188.18R	P20\PESTDI20.MET	30.5	5000	1	0	121820011A	10736
19	6706969 RI ACF DF500	19	T	AF	7p20188.19R	P20\PESTDI20.MET	30.5	5000	1	0	121820011A	10736
20	6706971 RI ACF DF200	20	T	AE	7p20188.20R	P20\PESTDI20.MET	30.5	2000	1	0	121820011A	10736
21	6706972 RI ACF DF200	21	T	AE	7p20188.21R	P20\PESTDI20.MET	30.5	2000	1	0	121820011A	10736
22	6706999 RI ACF DF50	22	T	AD	7p20188.22R	P20\PESTDI20.MET	30.3	500	1	0	121840021A	10736
23	6707009 RI ACF DF200	23	T	AE	7p20188.23R	P20\PESTDI20.MET	30.4	2000	1	0	121840021A	10736
24	CONDITIONER	24	MISC	AA	7p20188.24R	P20\PESTDI20.MET	1	1	1	0	1219399999	
25	CONDITIONER	25	MISC	AA	7p20188.25R	P20\PESTDI20.MET	1	1	1	0	1219399999	
26	AR1631224B	26	CCAL	TC	7p20188.26R	P20\PESTDI20.MET	1	1	1	0	1219399999	
27	IBLKX1224C	27	PIBLK	KP	7p20188.27R	P20\PESTDI20.MET	1000	10	1	0	1219399999	
28	6707010 RI ACF DF200	28	T	AE	7p20188.28R	P20\PESTDI20.MET	30.1	2000	1	0	121840021A	10736
29	6707011 RI ACF DF500	29	T	AD	7p20188.29R	P20\PESTDI20.MET	30.1	5000	1	0	121840021A	10736
30	6707012 RI ACF DF50	30	T	AC	7p20188.30R	P20\PESTDI20.MET	30	500	1	0	121840021A	10736
31	6707013 RI ACF DF20	31	T	AC	7p20188.31R	P20\PESTDI20.MET	30.3	200	1	0	121840021A	10736
32	6707006 RI ACF DF500	32	T	AD	7p20188.32R	P20\PESTDI20.MET	30.4	5000	1	0	121840021A	10736
33	6707007 RI ACF DF100	33	T	AF	7p20188.33R	P20\PESTDI20.MET	30.2	1000	1	0	121840021A	10736
34	CONDITIONER	34	MISC	AA	7p20188.34R	P20\PESTDI20.MET	1	1	1	0	1219399999	
35	CONDITIONER	35	MISC	AA	7p20188.35R	P20\PESTDI20.MET	1	1	1	0	1219399999	
36	AR1631224B	36	CCAL	TI	7p20188.36R	P20\PESTDI20.MET	1	1	1	0	1219399999	
37	IBLKX1224C	37	PIBLK	KV	7p20188.37R	P20\PESTDI20.MET	1000	10	1	0	1219399999	

Set-up by: Mam [illegible] Date: 7/26/12

7/13/2012

ASX67 0383

LANCASTER LABORATORIES

Sample Number: IBLKX1224C AAPIBLKAA PIBLK1218699999 Injection Volume: 1 SW-846 8082
Injected On: 7/6/2012 8:05:06 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0005.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.55		20945	17817
2.575		19132	27761
2.584		18963	15160
2.602		16029	14330
2.647		26165	58359
2.704		7118	6484
2.729		5106	7644
2.755		3624	3799
2.785		3008	4175
2.819		5590	4898
2.862		4294	3363
2.886		6214	6043
2.981		5229	22264
2.998		4298	2125
3.038	TCX	5289859	4084721
3.104		1767	591
3.126		4241	4463
3.152		6166	4676
3.185		3804	4788
3.242		79867	62736
3.294		10052	9870
3.329		7167	5531
3.343		2094	846
3.376		31838	28214
3.412		3483	2795
3.45		10562	17261
3.499		4068	2866
3.534		2024	1015
3.564		2879	5354
3.585		4133	2429
3.629		22285	32663
3.673		12770	12660
3.696		11007	8470
3.741		7025	12562
3.795		44058	84241
3.905		15471	98309
4.017		6828	13299
4.044		5628	7682
4.085		2571	1304
4.1		3025	2395
4.165		41154	70833
4.287		15565	36502
4.348		39401	64796
4.414		54061	100072
4.463		15746	26252
4.519		3628	2427
4.544		2473	1547
4.579		2892	5365
4.705		11212	17324
4.78		4669	6168
4.84		7833	16181
4.909		8939	21591
4.952		5268	5489
5.061		49634	52427

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RT A	Compound A	Height A	Area A
5.101		37174	60506
5.218		10970	12232
5.292		11175	13796
5.428		21073	40819
5.474		23685	89485
5.552		34078	86097
5.619		19906	31156
5.679		24580	68258
5.758		3792	8703
5.856		2593	967
5.988		11630	52796
6.082		5332	13253
6.105		2532	4524
6.213		54828	103246
6.291		22923	74771
6.36		9724	28752
6.455		4106	8416
6.516		2303	11228
6.612		5070	9103
6.657		22796	27731
6.743		1595	542
6.803	DCB	2807697	3639836
7.024		2576	1183
7.17		5601	10091
7.295		2082	2385
7.352		1289	652
7.491		1173	1041
7.627		1758	3874
7.687		3980	6943
7.789		1470	824
7.809		1894	1671
7.881		1871	2041
7.937		3227	6224
8.027		1280	578
8.079		1656	1421
8.119		1492	456
8.155		1616	1477
8.24		4318	2308
8.308		1568	819
8.331		1824	1753
8.432		2124	4746
8.515		1248	603
8.599		849	651

LANCASTER LABORATORIES

Sample Number: IBLKX1224C AAPIBLKAA PIBLK1218699999 Injection Volume: 1 SW-846 8082
Injected On: 7/6/2012 8:05:06 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0005.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.528		14129	15093
2.556		20194	25245
2.58		30794	22506
2.631		214027	640227
2.698		207264	349181
2.723		166166	298775
2.764		81712	59998
2.811		25382	18531
2.845	TCX	29089240	20389110
2.943		24898	26921
2.968		189446	195805
3.042		9615	244315
3.071		346606	239640
3.109		6455	3652
3.171		11533	6777
3.192		77971	52262
3.227		29989	22097
3.299		89981	220841
3.324		32815	33522
3.351		27606	19455
3.375		72078	102072
3.441		14053	9240
3.478		30485	46845
3.51		96826	130594
3.565		435901	764363
3.611		15772	28877
3.657		27905	34408
3.676		11118	2621
3.689		27413	33288
3.736		19694	25266
3.823		44679	168670
3.837		16064	7014
3.888		47208	58538
3.919		83047	112830
3.967		102237	206757
4.006		120459	529514
4.081		33714	96774
4.111		7583	2068
4.136		9580	4653
4.16		30470	44885
4.217		26581	31224
4.268		12804	15980
4.297		74666	143342
4.331		17775	8469
4.38		181198	565939
4.415		247209	1051831
4.491		156759	248713
4.515		22281	17298
4.547		293898	1020206
4.616		31425	17645
4.668		99439	342099
4.727		9299	32093
4.738		17966	16601
4.771		27459	14951

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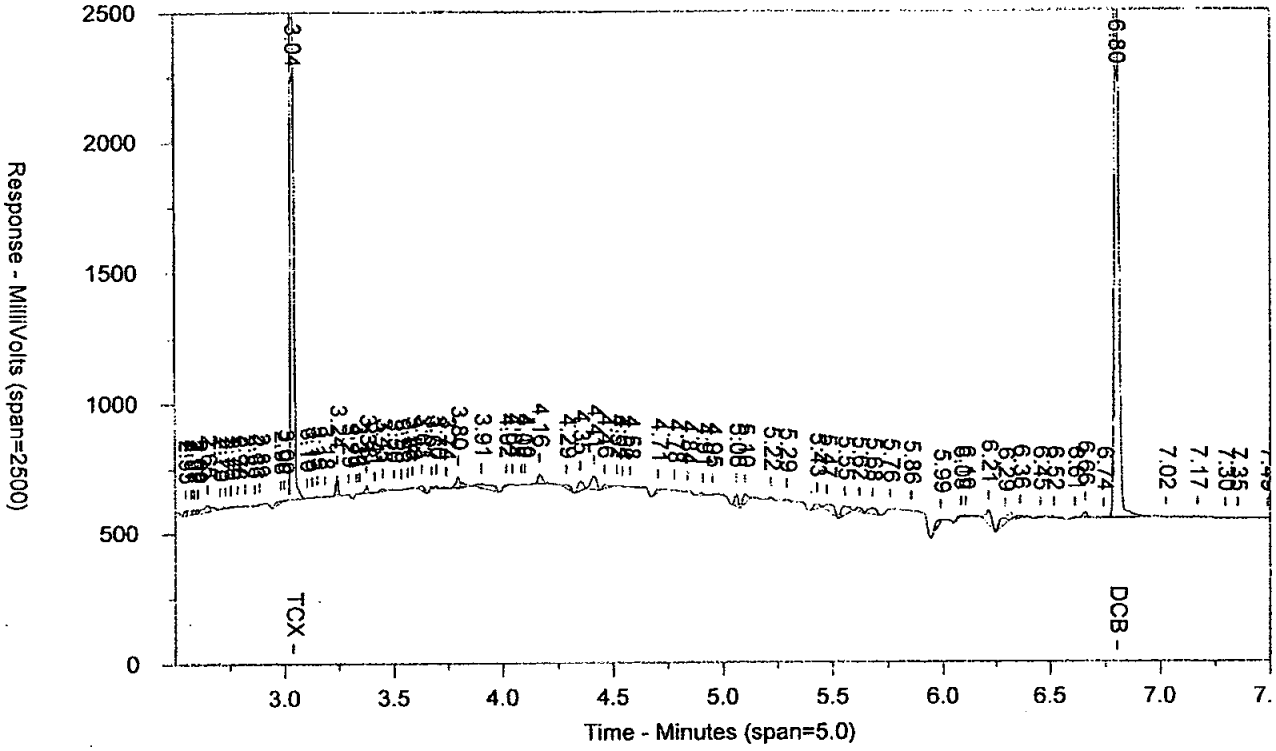
RT B	Compound B	Height B	Area B
4.833		71317	67189
4.876		291481	461501
4.911		14429	8499
4.941		360022	779807
4.997		218358	327638
5.043		10686	15010
5.066		7267	2657
5.123		210792	279289
5.176		293818	577092
5.25		39501	117291
5.264		15625	10613
5.291		5325	3236
5.341		82160	117145
5.396		388679	1099590
5.461		382456	757542
5.551		232390	688446
5.603		90877	181061
5.754		47375	47078
5.827		556203	2373885
5.908		100703	186730
5.947		44244	68502
5.995		139344	299532
6.074		63688	163232
6.107		15560	40953
6.328		207408	526860
6.49	DCB	17484520	20072300
6.78		17276	65286
6.834		25735	224023
6.982		27539	66872
7.041		16714	24168
7.093		7824	4644
7.142		35368	51896
7.225		30162	91260
7.301		7221	8833
7.362		27157	85841
7.518		16942	52315
7.59		11306	10749
7.922		7863	11756
8.133		5675	5328
8.176		5358	22744
8.515		3559	3122
8.557		4136	2688
8.624		5431	5289

IBLKX1224C AAPIBLKAA PIBLK1218699999 SW-846 8082

\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\1p20188.0005.RAW



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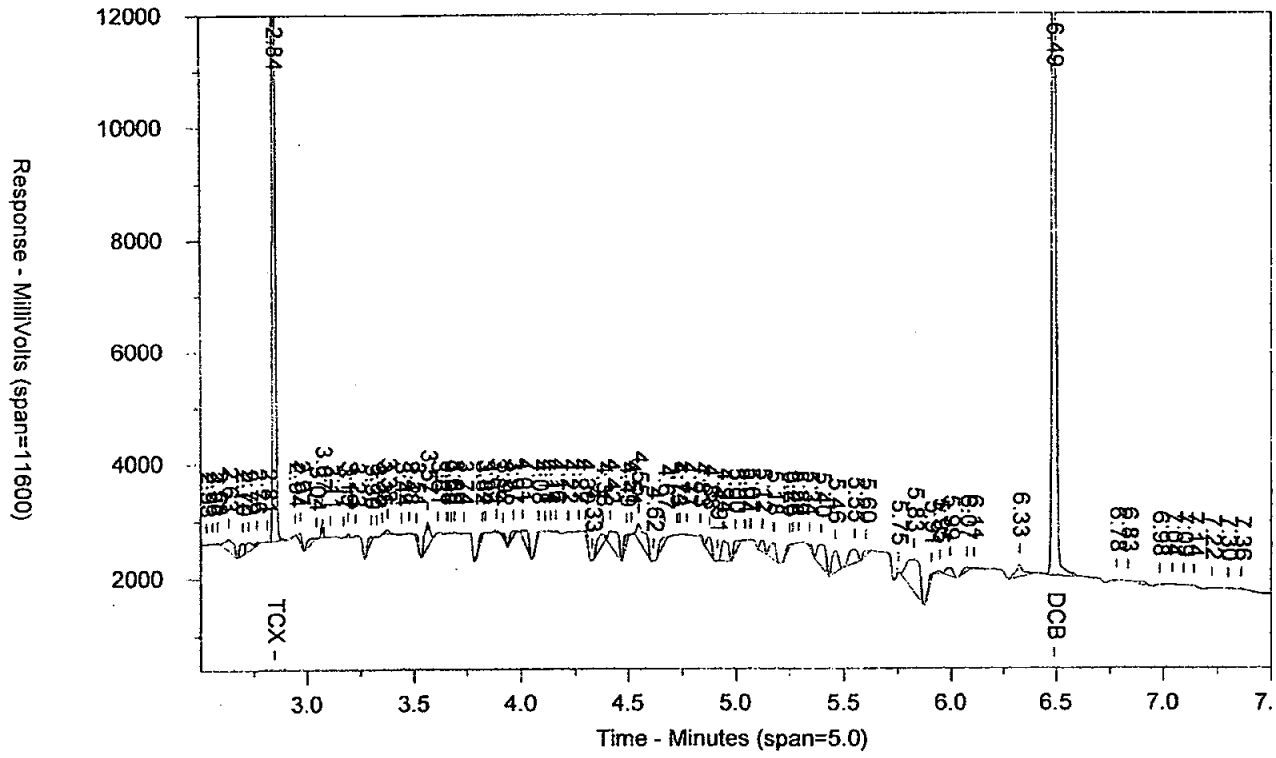

ASX67 0388

LANCASTER LABORATORIES

Sample Number: IBLKX1224C AAPIBLKAA PIBLK1218699999 Sample Weight: 300346 8082
Injected On: 7/6/2012 8:05:06 AM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	5289859	109.472	TCX	2.845	29089240	21.149	TCX
6.803	2807697		DCB	6.49	17484520		DCB

Files:
Area File: 1p20188.0005.RAW
Area File: 1p20188B.0005.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 8:13:47 AM
File Reported On: 7/8/2012 at 3:14:51 PM

ASX67 0389

IBLKX1224C **AAPIBLKAA** **PIBLK1218699999** **SW-846 8082**

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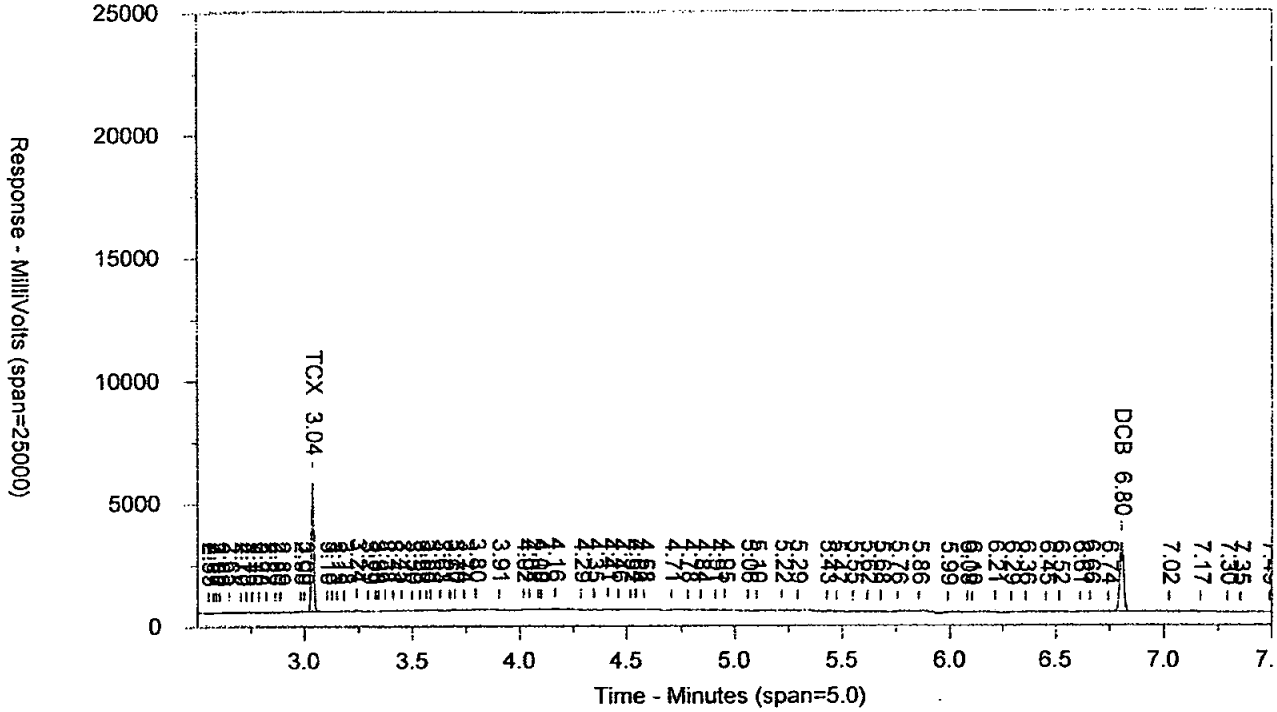

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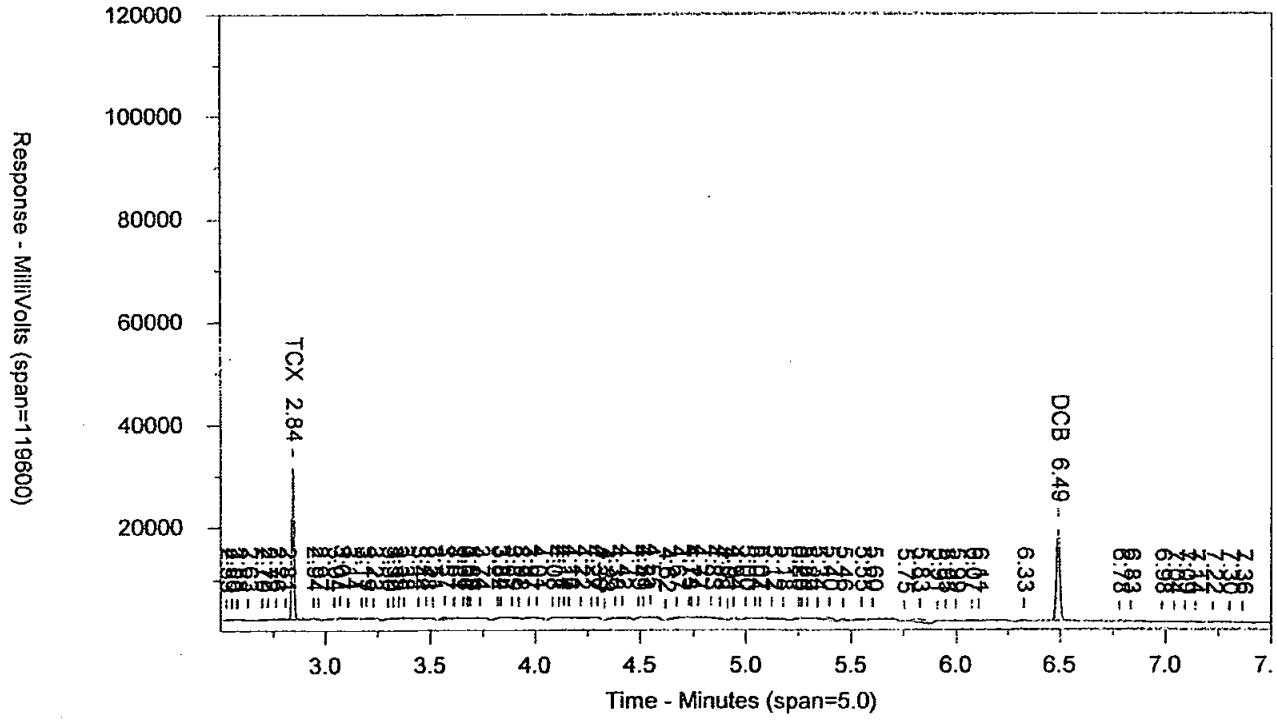

ASX67 0398

LANCASTER LABORATORIES

Sample Number: AR1611224B AAAR161AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 8:16:27 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0006.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.52		2375	1257
2.543		1657	634
2.573		2948	2774
2.646		8360	6393
2.695		2504	1432
2.733		1445	2064
2.752		16215	10340
2.785		2061	1395
2.819		4555	4117
2.858		3496	3069
2.888		4099	4120
2.909		39167	36175
2.969		8183	18697
3.013		1080	2570
3.037	TCX	1181062	910166
3.061		9969	4639
3.127		3957	2032
3.15		8453	6967
3.19		42565	40586
3.248		59400	55329
3.298		274904	216381
3.339		1884	1376
3.375		13300	9201
3.393		27755	19457
3.446		9416	11876
3.477		2235	1319
3.517		255017	174420
3.534		103422	57862
3.572		34856	28434
3.603		19156	11103
3.635		344504	288600
3.667		10514	8898
3.687		2459	1033
3.713		8762	6695
3.748		68223	44738
3.764		29202	15773
3.823		651262	940490
3.862		387894	344994
3.924		353903	311565
3.964		22617	16421
3.993		211164	174907
4.022		203633	321804
4.124		242245	208141
4.149		71696	49537
4.181		83754	67565
4.218		254846	296713
4.259		79207	70434
4.306		12256	10146
4.348		22779	21584
4.384		266960	231788
4.404		32440	19199
4.427		60559	42815
4.46		18551	21950
4.5		30875	29573

ASX67 0391

RT A	Compound A	Height A	Area A
4.544		251249	293900
4.666		11863	13501
4.689		8793	7019
4.759		85959	129323
4.807		136127	169511
4.855		273564	341326
4.894		44279	36928
4.935		554168	612173
5.025		88003	106044
5.058		12016	7630
5.088		112349	122544
5.139		696225	992875
5.19		133311	126346
5.232		316782	421683
5.312		57191	66889
5.348		749474	928181
5.412		426315	471520
5.455		265906	290442
5.555		25768	29488
5.577		369410	399820
5.638		245366	313138
5.674		89865	78895
5.717		17483	17495
5.76		160856	177008
5.816		1067579	1675377
6.023		549024	728071
6.07		179683	350273
6.15		2643	3035
6.21		25929	32736
6.27		6460	5691
6.295		104422	107073
6.357		4697	18969
6.451		262234	317374
6.497		14315	15541
6.612		1249	525
6.654		89676	107047
6.802	DCB	704228	932710
6.98		38524	61689
7.081		3223	4888
7.172		5017	6092
7.217		2705	3318
7.277		2029	2955
7.318		1676	534
7.347		1111	401
7.408		1707	3292
7.616		3653	17193
7.696		1594	941
7.734		1961	1676
7.854		1427	815
7.872		1592	1131
8.083		1770	3897
8.239		1335	579
8.291		1371	817
8.339		1702	2999
8.445		2771	11126
8.521		1697	1447
8.615		2180	4083

ASX67 8392

LANCASTER LABORATORIES

Sample Number: AR1611224B AAAR161AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 8:16:27 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresldue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0006.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.512		21203	20201
2.545		24494	32056
2.582		113281	102770
2.617		43580	29987
2.63		79648	122615
2.687		31580	41853
2.725		88716	141768
2.767		48467	37575
2.812		19120	12020
2.844	TCX	6322998	4445481
2.888		95308	76035
2.924		7469	2254
2.943		13898	9022
2.97		62155	35079
2.986		54327	28815
3.019		225521	172539
3.082		253113	242499
3.136		1382487	988904
3.192		29983	21477
3.226		41406	36481
3.253		149429	111169
3.298		31677	28686
3.325		26740	23054
3.35		1791903	2097883
3.403		190136	130352
3.428		62292	38727
3.452		118688	69140
3.477		1659152	1325490
3.513		42613	33609
3.561		411620	255715
3.577		231764	111117
3.639		3535260	4241320
3.674		1842217	1575502
3.753		1850528	1490082
3.787		1145730	801942
3.814		1248793	840299
3.834		353479	195828
3.888		34932	31464
3.927		1666783	1301656
3.954		636450	431650
3.977		454090	376553
4.011		167999	92046
4.028		1216906	926378
4.074		551563	612226
4.12		44778	39635
4.146		309921	207713
4.17		1636548	1215578
4.196		317601	231793
4.219		17876	5393
4.237		162035	122462
4.276		1434977	1276468
4.318		56959	43751
4.336		50331	63141
4.388		13020	10470

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RT B	Compound B	Height B	Area B
4.412		29398	18561
4.436		163679	329590
4.498		468748	702353
4.546		234489	162146
4.575		1569650	1668454
4.606		636815	716881
4.661		3412305	3366053
4.71		54195	44543
4.737		240198	182077
4.761		869163	697724
4.806		4955544	5069254
4.885		16694	7821
4.92		3713790	3964068
4.98		359099	360415
5.018		1162383	1082578
5.057		3716832	3800951
5.089		2872094	2502811
5.131		1818415	1737862
5.236		623996	742546
5.289		2803731	2802272
5.316		199575	135178
5.364		1637650	1722339
5.401		624145	521042
5.426		448844	377954
5.482		7651404	8241931
5.523		129142	109941
5.559		230075	223811
5.672		266701	256227
5.698		1509108	1422181
5.744		4701581	8341016
5.905		141445	194459
5.944		165220	187651
5.977		51333	58201
6.021		658565	723686
6.067		17775	25607
6.124		1663326	1645623
6.155		47732	38321
6.326		523624	602606
6.489	DCB	4550996	4939801
6.792		17578	24926
6.839		6614	3031
6.903		168760	235424
6.973		6901	5747
6.99		15071	18236
7.036		18847	30312
7.142		35032	71422
7.215		26298	101150
7.619		8255	6926
7.644		5844	1788
7.738		21961	37772
7.845		5512	9979
7.921		10917	19493
8.433		4670	1534
8.506		3422	1492

ASX67 9394

AR1611224B AAAR161AA ICAL 1218699999 SW-846 8082

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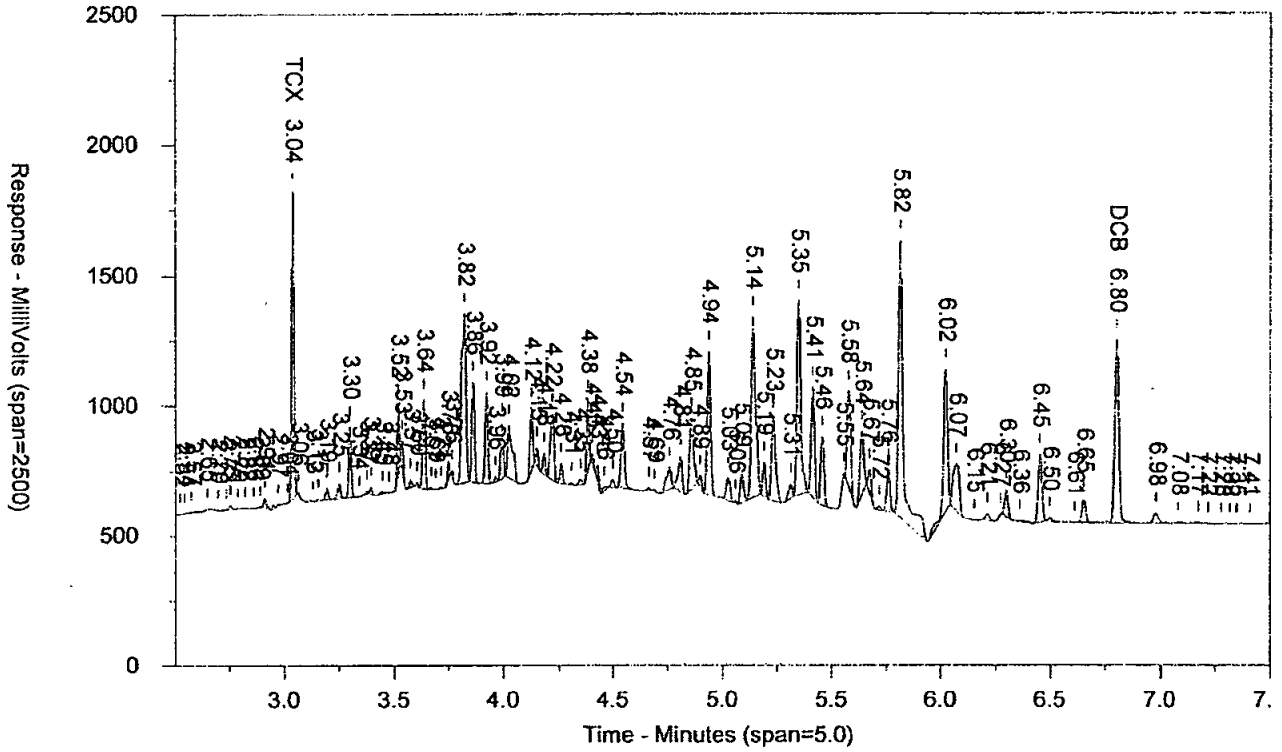

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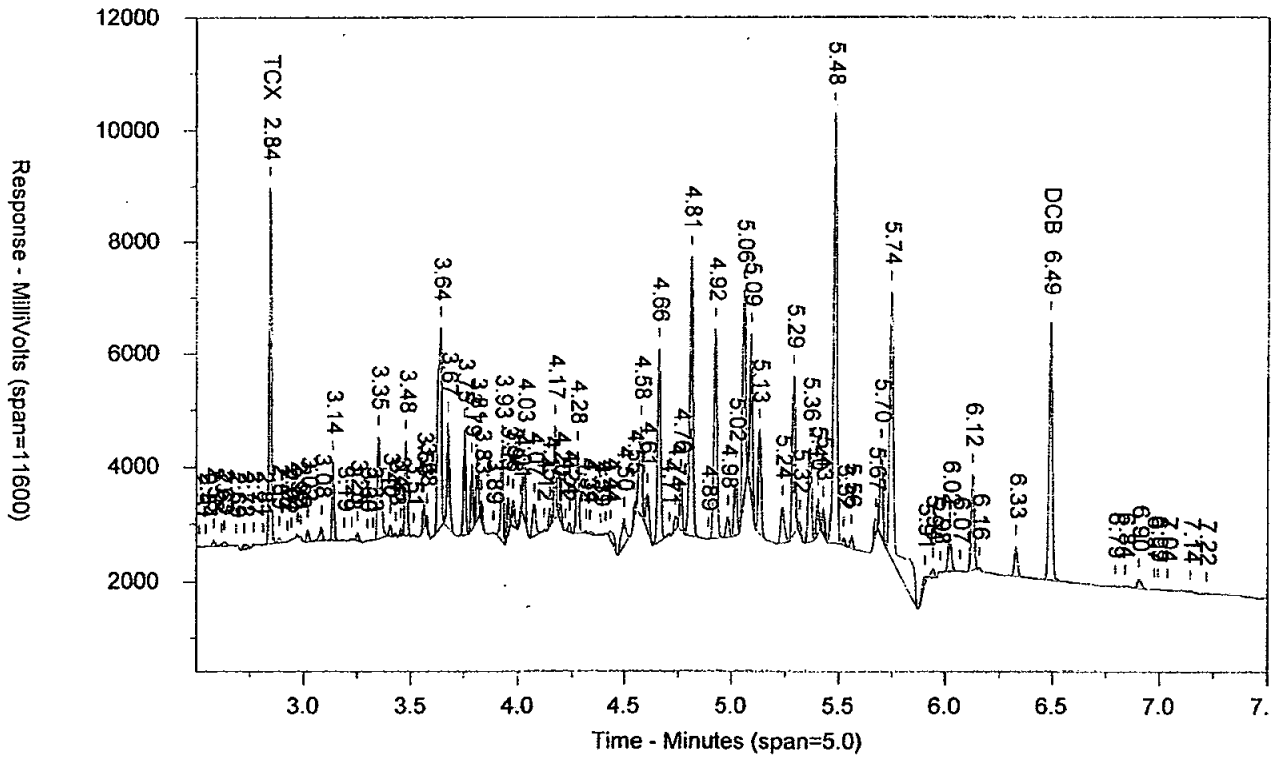

ASX67 0395

LANCASTER LABORATORIES

Sample Number: AR1611224B AAAR161AA ICAL 1218699999 Sample Weight: SW-846 8082
Injected On: 7/6/2012 8:16:27 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	1181062	2444.161	TCX	2.844	6322998	459.713	TCX
6.802	704228		DCB	6.489	4550996		DCB

Files:
Area File: 1p20188.0006.RAW
Area File: 1p20188B.0006.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 8:25:11 AM
File Reported On: 7/8/2012 at 3:14:55 PM

ASX67 0356

AR1611224B AAAR161AA ICAL 1218699999 SW-846 8082

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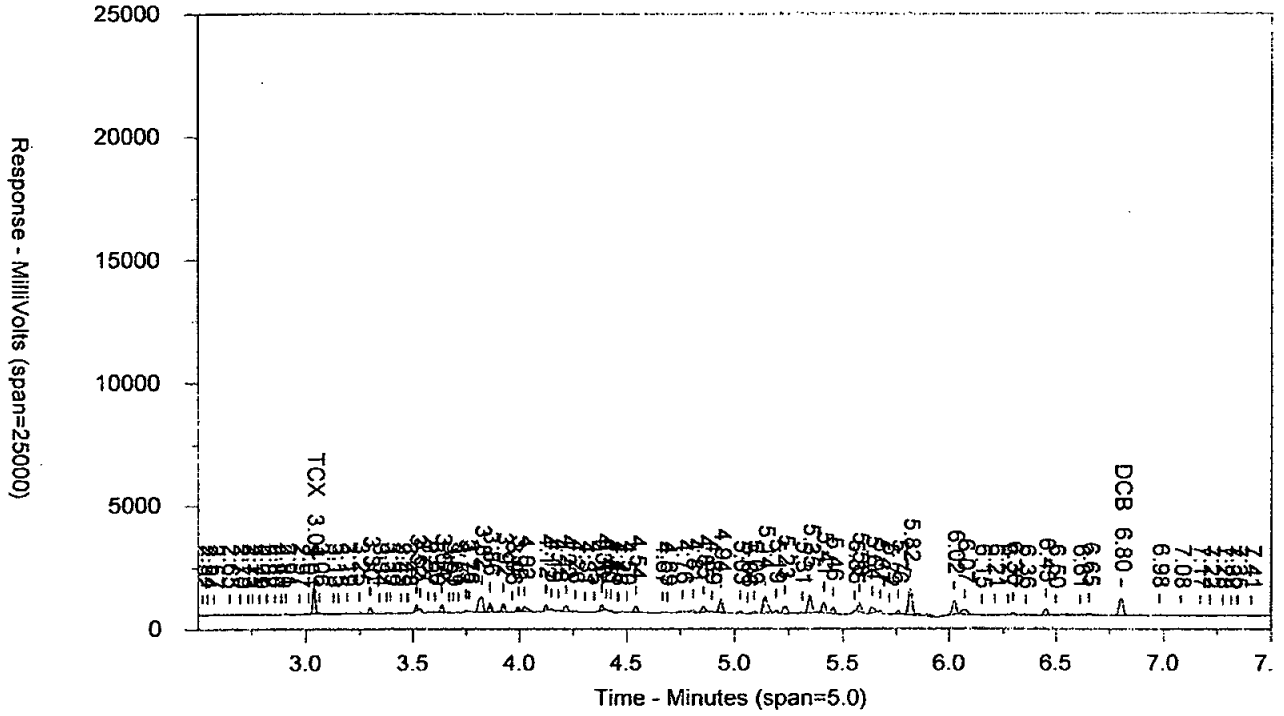

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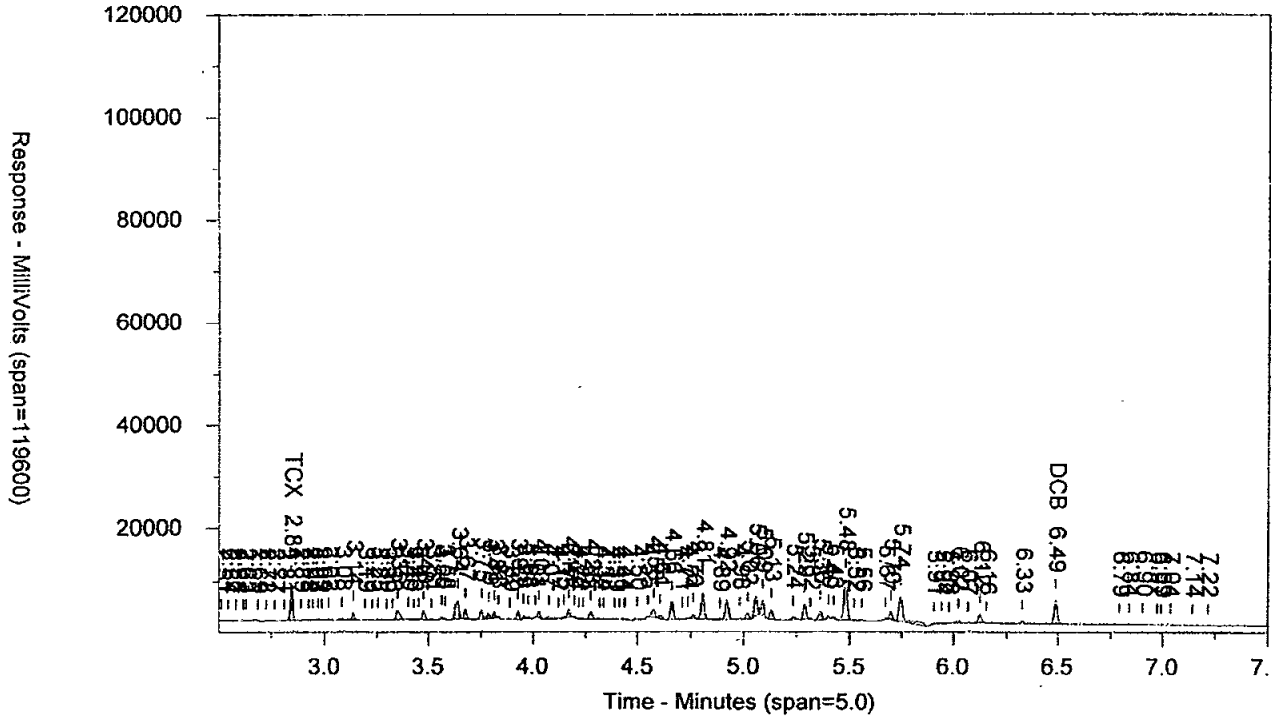

ASX67 0397

LANCASTER LABORATORIES

Sample Number: AR1621224B AAAR162AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 8:27:54 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0007.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.523		1548	1008
2.564		2685	2893
2.618		2927	1651
2.649		9443	12158
2.665		9931	12181
2.758		2509	2825
2.8		1932	3052
2.817		3769	3574
2.853		2140	982
2.864		2902	1300
2.885		4966	3791
2.909		14012	13631
2.969		5186	11055
3.037	TCX	5377798	4189595
3.119		4170	2902
3.151		6422	4323
3.19		81748	76278
3.248		139399	147253
3.298		512215	404765
3.375		24666	15559
3.393		52645	34904
3.444		9636	13409
3.518		491180	335998
3.535		206388	115294
3.573		58869	36995
3.588		8827	3241
3.604		40650	22929
3.636		625696	541745
3.672		11963	9894
3.694		9392	5236
3.712		14425	9863
3.749		130828	89877
3.764		55018	30781
3.813		201173	144874
3.824		588796	350508
3.863		750182	661692
3.925		662118	600863
3.966		44398	33533
3.994		404482	338649
4.023		292243	276905
4.045		67419	38651
4.124		462659	396796
4.15		150097	102521
4.182		169454	134386
4.219		491143	571117
4.261		155242	141680
4.308		24602	20745
4.35		35027	34267
4.385		449981	385140
4.405		77195	45262
4.43		127742	95649
4.47		3406	5255
4.5		62907	64848
4.546		480143	531870

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RT A	Compound A	Height A	Area A
4.649		4582	6215
4.692		20225	18720
4.76		181503	285532
4.808		261786	291738
4.857		504896	640352
4.895		85279	69221
4.936		1012995	1143030
5.028		164671	200722
5.06		9002	5027
5.088		206333	229294
5.141		1296000	1841872
5.192		235355	239640
5.234		618056	800328
5.312		103306	120588
5.35		1393311	1728039
5.413		771262	878829
5.456		488549	550639
5.557		26461	51796
5.577		709235	732345
5.637		425105	474848
5.675		194989	203565
5.718		38712	38713
5.76		300259	344667
5.816		2012876	2838105
5.981		6085	27697
6.024		1031568	1215269
6.074		336879	640824
6.211		63544	76084
6.298		213972	327035
6.357		3362	4001
6.454		488888	584755
6.499		27301	29788
6.572		2090	1024
6.656		180914	223097
6.752		1637	915
6.803	DCB	2947109	3698535
6.98		23584	36693
7.082		3216	6925
7.166		3269	2874
7.223		4029	7389
7.333		1829	1037
7.388		1874	3285
7.688		4774	9405
7.8		1612	927
7.835		1252	731
7.877		1847	2361
7.943		3980	5885
7.993		1364	1419
8.103		1465	2269
8.327		2460	5053
8.432		1582	901
8.451		1918	1324
8.536		1513	1718
8.599		1564	1478

ASX67 8399

LANCASTER LABORATORIES

Sample Number: AR1621224B AAAR162AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 8:27:54 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0007.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.515		21918	18581
2.552		28669	53039
2.581		37944	33696
2.631		63314	117565
2.693		35641	36532
2.724		62313	99916
2.764		42953	25286
2.821		6827	9561
2.844	TCX	31405240	21589770
2.887		161544	128197
2.917		11738	3321
2.97		44798	47922
2.984		60119	44578
3.019		433945	336370
3.052		11367	7518
3.072		106511	59432
3.081		265974	129672
3.136		2596459	1886953
3.192		90230	70353
3.227		52320	40479
3.252		297284	219705
3.299		35385	30119
3.321		26818	22551
3.35		3304839	3878125
3.404		363465	253576
3.427		134539	82203
3.452		230963	140629
3.478		3110002	2540217
3.514		102387	79221
3.561		817355	491701
3.577		428429	221641
3.639		6954435	8202859
3.676		3482045	3049397
3.754		3630620	2826903
3.788		2070357	1474192
3.815		2251559	1577451
3.835		693680	387043
3.888		31452	36386
3.929		2963099	2325237
3.955		1074946	712919
3.977		956459	671146
4.012		356508	194926
4.029		2455089	1798525
4.076		983298	1001868
4.122		101155	87603
4.148		637394	420428
4.171		3285094	2550711
4.199		670483	480779
4.222		30022	15674
4.239		302932	221656
4.278		2798681	2445226
4.318		104404	81066
4.337		67733	35360
4.351		40073	18485

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RT B	Compound B	Height B	Area B
4.391		12398	5861
4.413		21784	18741
4.437		176789	291709
4.5		686984	795734
4.548		496449	320131
4.577		3105848	3137082
4.606		1131502	1221559
4.662		6495906	6319288
4.711		93547	76365
4.738		500063	362208
4.762		1704492	1424834
4.808		9959464	9733414
4.886		20192	13130
4.922		6991506	7392035
4.981		724116	711723
5.018		2192411	2111646
5.058		7461437	7550026
5.091		5590661	4902574
5.132		3546450	3385614
5.238		1262121	1533834
5.29		5554950	5410830
5.316		379443	263943
5.365		3160932	3375948
5.401		1229820	1052976
5.426		901395	777991
5.482		15168520	16124600
5.524		260060	220943
5.56		473050	443970
5.675		142465	126134
5.699		3081366	2987962
5.745		9802190	13890310
5.904		419607	497562
5.944		226949	211595
5.97		87638	81093
6.022		1355652	1395849
6.125		3158789	3229940
6.158		100373	75179
6.326		1087725	1200749
6.49	DCB	19723510	22864320
6.838		22513	28247
6.905		115033	157288
7.032		8879	18541
7.128		4933	1618
7.144		25102	35584
7.202		6248	48185
7.361		27587	40751
7.467		5474	2806
7.739		7283	8323
7.851		7496	7989
7.924		6547	7733
7.966		6176	3892
8.099		5988	9470
8.249		5215	2988
8.339		5035	12515

ASX67 8481

AR1621224B AAAR162AA ICAL 1218699999 SW-846 8082

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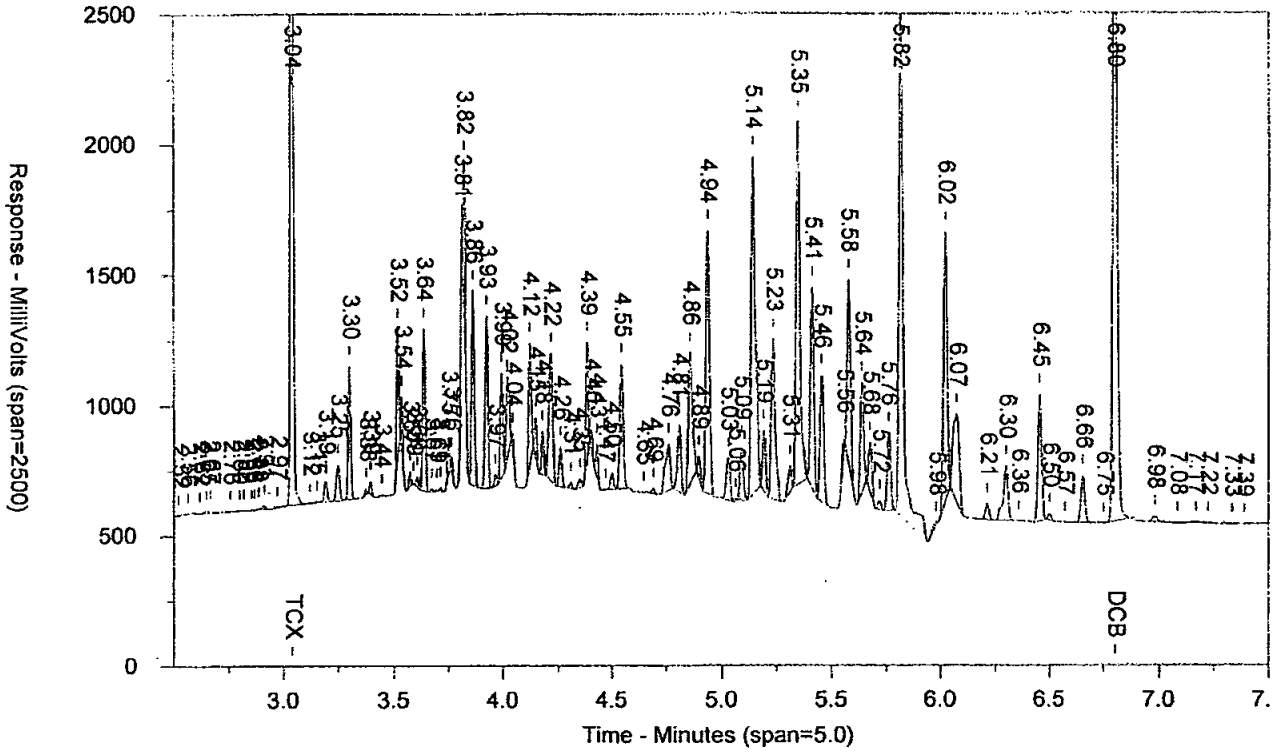

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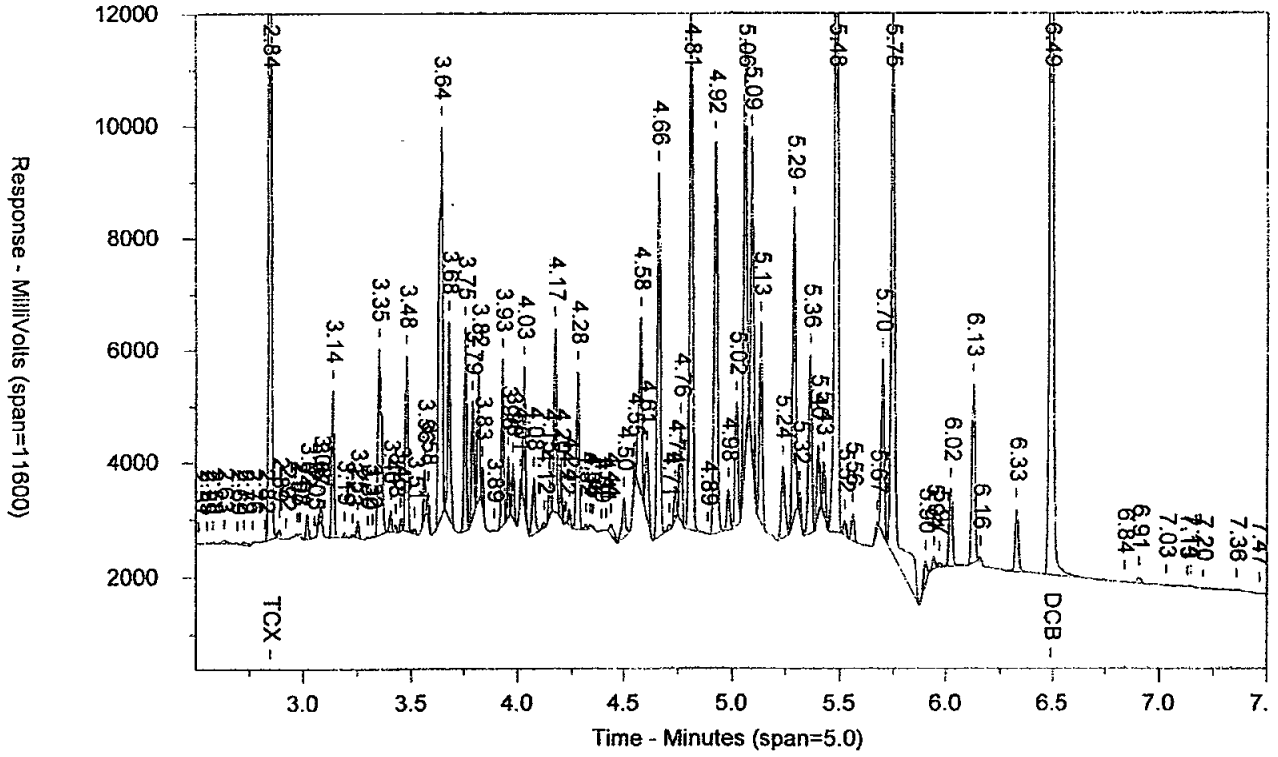

ASX67 0482

LANCASTER LABORATORIES

Sample Number: AR1621224B AAAR162AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 8:27:54 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	5377798	93.936	TCX	2.844	31405240	99.5	TCX
6.803	2947109	83.698	DCB	6.49	19723510	86.678	DCB

Files:
Area File: 1p20188.0007.RAW
Area File: 1p20188B.0007.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 8:36:35 AM
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ASX67 0483

AR1621224B AAAR162AA ICAL 1218699999 SW-846 8082

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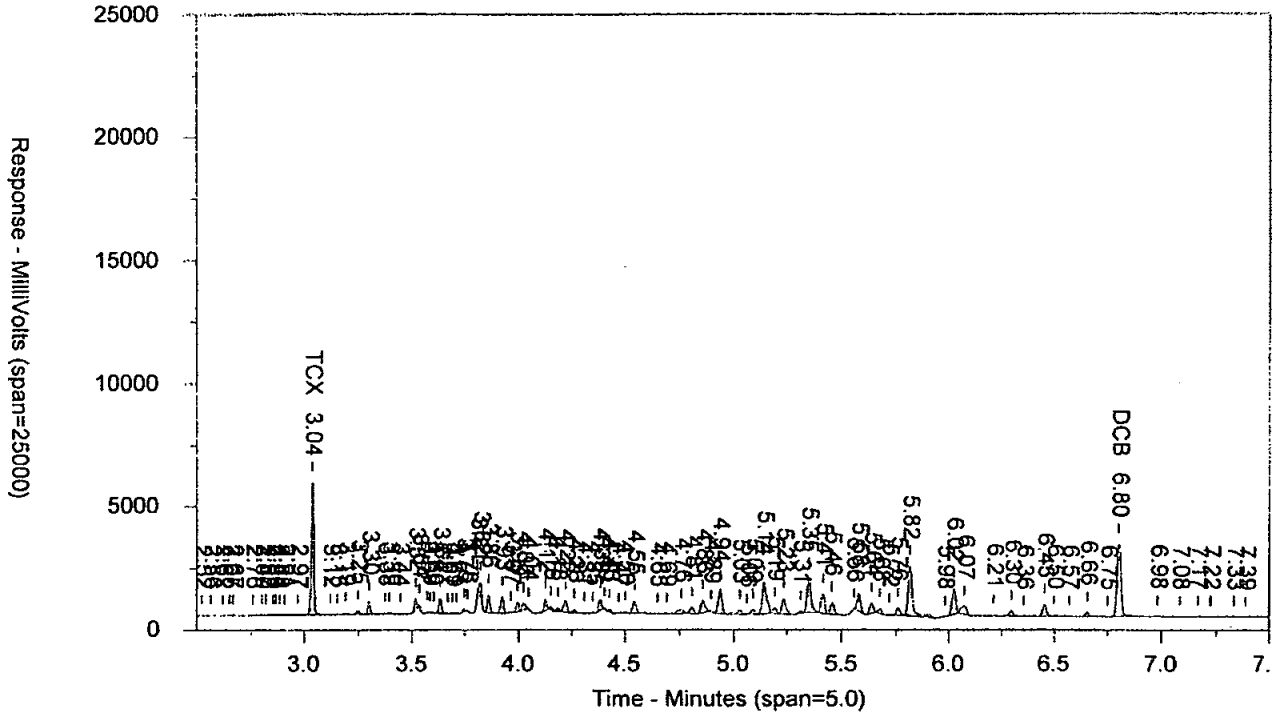

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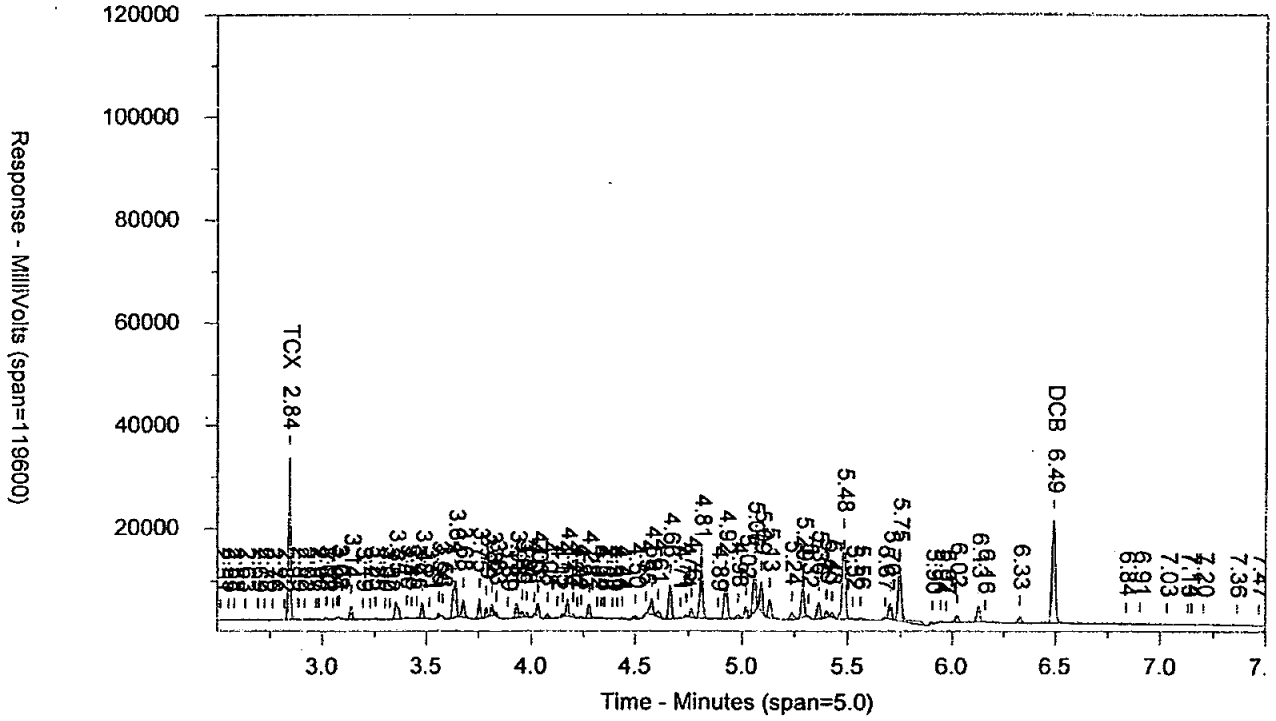

ASX67 9484

LANCASTER LABORATORIES

Sample Number: AR1631224B AAAR163AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 8:39:16 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0008.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.518		2632	1578
2.583		5031	13216
2.608		3359	2363
2.644		14760	13524
2.663		11871	11864
2.748		3450	2538
2.792		3460	7749
2.82		3915	3671
2.863		2596	1902
2.885		7153	5380
2.909		6084	9540
2.976		1544	11487
2.996		3344	2726
3.037	TCX	10378400	7861092
3.123		4252	3092
3.151		7559	5395
3.19		158047	144912
3.246		256955	272837
3.298		917452	740499
3.374		19609	10104
3.393		106120	76718
3.444		10881	15440
3.474		3586	2476
3.517		896179	604817
3.534		359011	208399
3.572		116762	100760
3.604		77329	46544
3.635		1180370	988264
3.67		8546	4944
3.693		17365	11531
3.71		28769	18999
3.748		238751	164160
3.763		96103	54646
3.813		176637	230825
3.822		961270	610415
3.862		1324939	1212836
3.924		1219551	1097752
3.965		78438	61774
3.993		737084	619502
4.022		534043	487687
4.044		131261	84589
4.124		843623	716350
4.149		258686	191084
4.181		311145	252295
4.218		910944	1039561
4.26		287680	269916
4.306		44314	39228
4.348		50953	49165
4.384		730442	665890
4.405		120953	69827
4.428		227519	181569
4.465		3489	3332
4.499		122408	125078
4.544		875293	1021511

ASX67 9485

RT A	Compound A	Height A	Area A
4.645		7181	9184
4.69		39180	40283
4.759		355461	561793
4.807		492096	531687
4.855		928324	1144877
4.894		165978	129223
4.935		1846280	2057163
4.982		3501	3028
5.027		300341	359100
5.06		17575	11767
5.087		366564	405408
5.139		2363423	3341290
5.191		440839	432367
5.233		1114887	1461567
5.312		196554	222939
5.348		2507108	3152451
5.412		1461248	1590231
5.455		842997	994929
5.554		101819	97307
5.577		1290014	1297747
5.635		671221	780878
5.675		377272	368191
5.716		78257	78940
5.76		584937	637553
5.816		3699041	4925744
5.979		21942	44971
6.022		1933677	2283882
6.075		625530	1171946
6.211		141773	200299
6.272		22267	28680
6.297		367919	388228
6.363		5709	19061
6.453		869528	1069978
6.498		54602	55759
6.655		336171	419694
6.742		1607	1731
6.802	DCB	5421439	6985192
6.979		36488	53204
7.087		2547	3270
7.15		6613	13498
7.22		6103	11152
7.301		2947	4573
7.499		1280	954
7.55		1749	2036
7.633		963	925
7.684		8342	15299
7.791		1139	521
7.879		3473	4292
7.931		6512	11565
8.027		1731	701
8.156		1032	734
8.208		1296	927
8.282		1928	741
8.321		2120	2188
8.422		2289	3135
8.477		1288	1038

ASX67 8426

LANCASTER LABORATORIES

Sample Number: AR1631224B AAAR163AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 8:39:16 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0008.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		39305	29138
2.556		18169	16678
2.631		127705	341520
2.691		67787	106738
2.726		83025	128982
2.766		72341	100200
2.844	TCX	60410390	42207590
2.887		323861	254419
2.969		98105	213502
3.018		849976	637585
3.052		9583	4808
3.072		221342	128956
3.082		511493	258672
3.136		4754734	3472361
3.192		163314	116386
3.231		10180	8921
3.253		573402	428050
3.297		21799	17295
3.323		19122	18310
3.35		6124096	7053518
3.403		721945	490678
3.426		253972	155489
3.452		446025	280621
3.477		5909667	4700312
3.513		175699	123864
3.561		1508649	930281
3.577		727045	370357
3.607		82971	50696
3.638		13091120	15366430
3.675		6436169	5657257
3.753		6768024	5291478
3.788		3998442	2889536
3.815		4138968	2888371
3.834		1234011	719260
3.88		21478	20737
3.928		5323829	4278174
3.954		1935487	1228290
3.977		1735956	1258149
4.011		673080	393294
4.028		4495345	3262254
4.076		1722169	1641743
4.123		176029	161175
4.147		1194671	810761
4.171		5916018	4748069
4.198		1341352	930853
4.22		68170	29919
4.239		600734	438951
4.277		5078344	4497065
4.319		138412	96210
4.335		233852	234605
4.381		30415	22106
4.412		32872	23090
4.437		309528	437686
4.498		1232153	1286203

ASX67 8487

RT B	Compound B	Height B	Area B
4.547		780704	603206
4.576		5545952	5793372
4.608		2303180	2499081
4.661		12030560	11733130
4.711		176638	138677
4.737		918212	664208
4.762		3087996	2703494
4.807		18856020	18471310
4.877		15144	50893
4.921		13748470	14746840
4.982		739339	677104
5.019		3896161	3837000
5.058		14572410	14088900
5.09		10018610	8736638
5.13		6104627	5776175
5.194		31684	36013
5.237		2247367	2784736
5.29		10439640	10203250
5.316		733994	489379
5.365		4978114	5428305
5.401		2392489	2029737
5.424		915538	686050
5.482		30534740	31701350
5.524		499633	413714
5.56		940524	871570
5.596		105323	232654
5.675		212715	186938
5.698		5900254	5782970
5.746		13382750	18288610
5.902		722708	808855
5.944		379814	343171
5.972		146154	126215
6.021		2632800	2786852
6.125		6107413	6118560
6.157		192535	143864
6.328		2149226	2288373
6.443		7325	2735
6.49	DCB	41282300	44625920
6.677		24820	23943
6.835		41226	47645
6.906		174864	314379
7.043		15181	21216
7.14		24979	34294
7.363		50451	88149
7.521		13092	18407
7.678		7860	1961
7.726		9732	15122
7.841		12789	26416
7.93		9241	17796
7.991		6010	4999
8.131		3821	1900
8.162		8212	12342
8.22		7052	5040
8.24		4574	1939
8.314		6332	3465
8.415		6104	7578
8.555		3893	5929

ASX67 9488

AR1631224B AAAR163AA ICAL 1218699999 SW-846 8082

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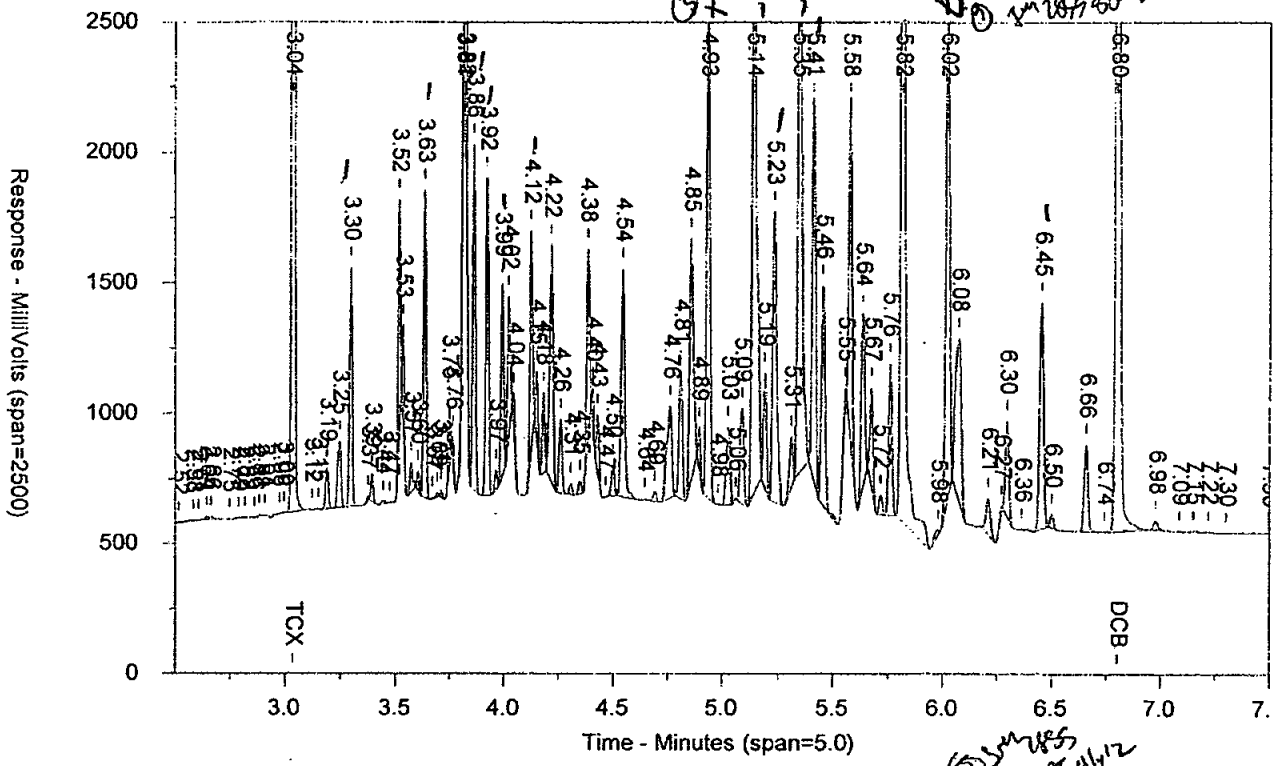

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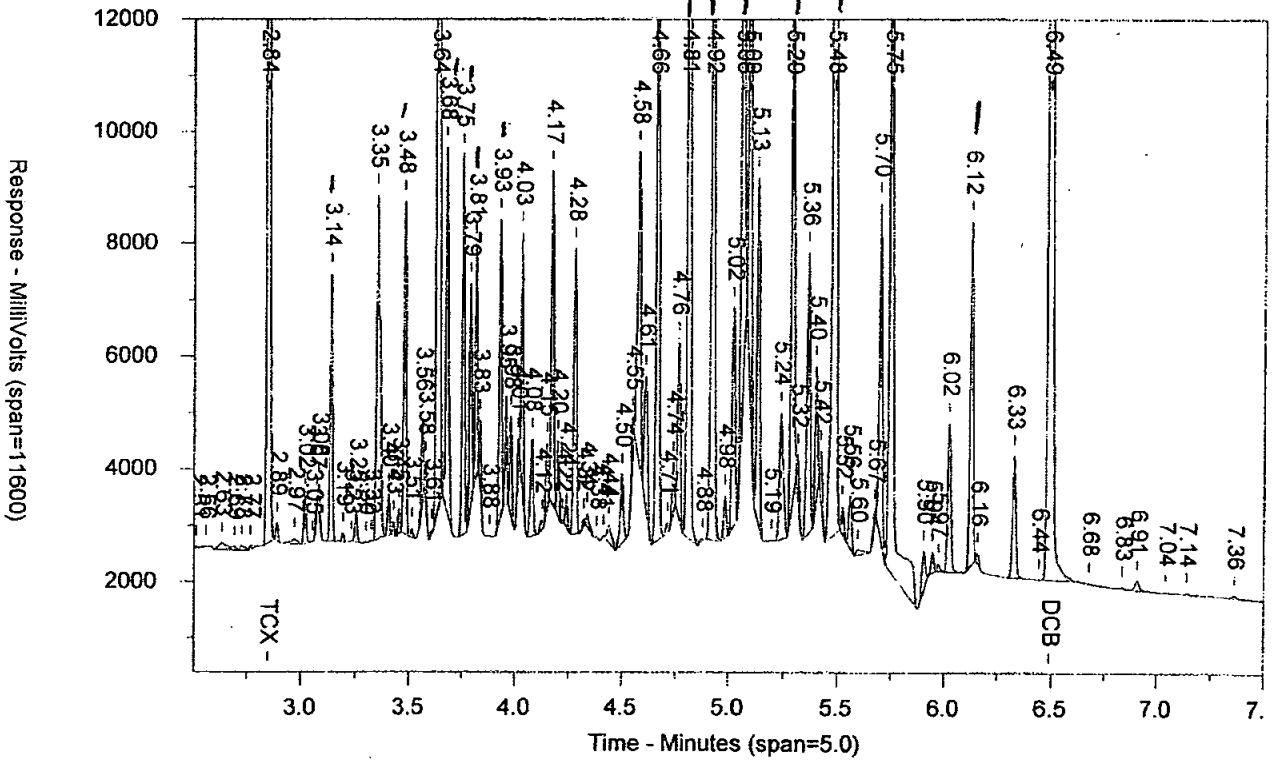

LANCASTER LABORATORIES

Sample Number: AR1631224B AAAR163AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 8:39:16 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10378400	94.879	TCX	2.844	60410390	97.668	TCX
6.802	5421439	83.816	DCB	6.49	41282300	97.184	DCB

Files:
Area File: 1p20188.0008.RAW
Area File: 1p20188B.0008.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 8:47:57 AM
File Reported On: 7/8/2012 at 3:15:07 PM

ASX67 0410

AR1631224B AAAR163AA ICAL 1218699999 SW-846 8082

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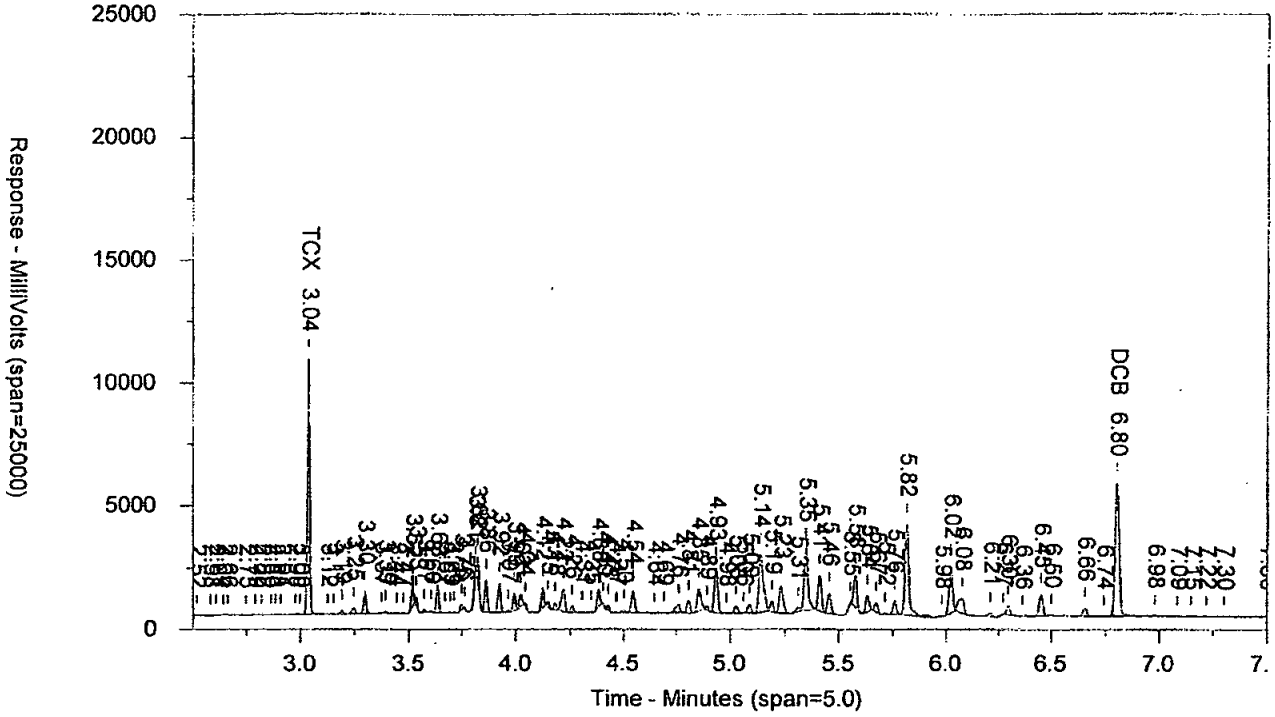

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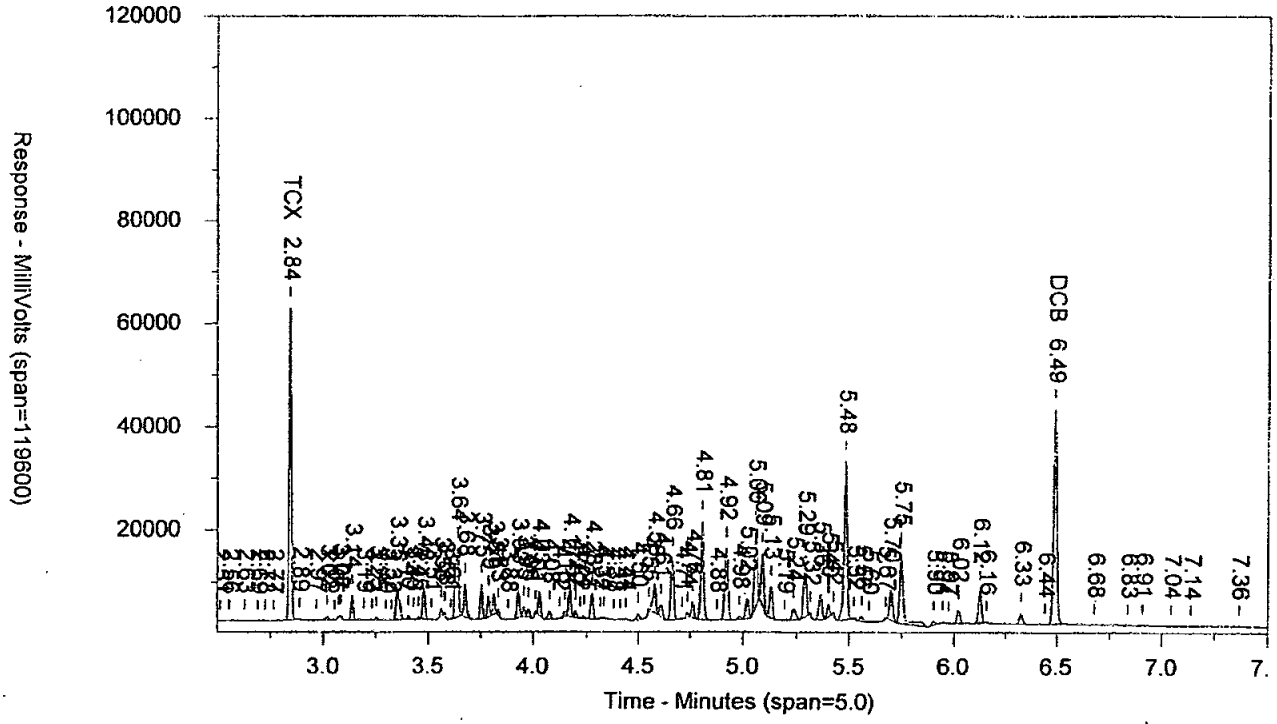

ASX67 0411

LANCASTER LABORATORIES

Sample Number: AR1641224B AAAR164AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 8:50:41 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0009.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.581		11112	40258
2.645		14033	14553
2.665		28285	31372
2.725		2644	2150
2.755		3105	2748
2.821		4824	4738
2.863		4693	4151
2.883		5036	3319
2.909		20999	26736
2.957		7942	10138
2.972		1852	700
2.995		2198	1474
3.037	TCX	15760510	12197160
3.126		3097	1928
3.148		6749	6103
3.191		374457	344490
3.248		561032	550147
3.299		2120420	1727052
3.376		27696	16079
3.394		262313	189824
3.437		14373	18717
3.518		2136090	1410398
3.535		900240	506944
3.573		269750	176113
3.589		36388	12900
3.605		186073	112895
3.636		2729981	2337130
3.672		18758	12546
3.693		26614	17026
3.712		82586	54132
3.749		552234	388748
3.764		250057	141327
3.823		5394722	7892968
3.863		3194564	2888072
3.925		2909403	2616350
3.967		197532	149642
3.994		1780152	1430416
4.024		1326420	1186306
4.045		307861	193166
4.125		1957135	1706948
4.15		648352	473437
4.182		742570	605131
4.219		2112459	2471660
4.261		665268	647999
4.308		113564	103852
4.35		133606	124412
4.385		1848551	1605149
4.405		296373	178853
4.43		537758	445891
4.5		298888	305039
4.545		2093618	2377538
4.621		3458	2042
4.649		14873	15279
4.691		95195	95661

ASX67 0412

RT A	Compound A	Height A	Area A
4.761		832256	1340113
4.808		1165456	1258627
4.857		2160426	2695085
4.895		380176	311026
4.936		4373318	4867061
4.987		9711	8176
5.026		666642	848345
5.061		11022	7681
5.087		898965	981602
5.141		5587153	7960767
5.191		980214	979989
5.233		2714658	3434867
5.314		429917	525904
5.349		6306218	7659240
5.413		3395347	3745655
5.456		2109435	2318339
5.555		222416	240152
5.578		3033132	3239619
5.637		1796991	1903030
5.676		849486	924882
5.717		189390	192435
5.76		1346854	1509706
5.816		9211882	11467310
5.977		27676	50843
6.023		4702120	5393780
6.074		1399619	2771038
6.212		234306	291496
6.273		71846	66876
6.297		836065	870438
6.359		2424	997
6.455		2052746	2520374
6.499		134704	139695
6.592		1695	773
6.656		764753	944218
6.804	DCB	8123798	10567160
6.98		21816	34184
7.147		10338	18014
7.222		10133	19937
7.297		4504	5916
7.384		1704	1051
7.52		1223	1085
7.544		1552	1680
7.681		11743	19848
7.758		1629	693
7.81		1421	646
7.879		3877	6836
7.936		10239	18291
8.06		1864	1147
8.126		2016	2133
8.185		1182	783
8.328		1288	510
8.423		2128	996
8.513		1516	585
8.594		1317	1165
8.675		2142	1515

ASX67 8413

LANCASTER LABORATORIES

Sample Number: AR1641224B AAAR164AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 8:50:41 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0009.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.512		86359	70864
2.553		37051	72670
2.583		71758	90913
2.609		79170	52197
2.631		137495	316631
2.696		103760	137395
2.725		93437	147817
2.764		61852	53164
2.815		18018	11962
2.844	TCX	93032700	64662040
2.887		800846	649916
2.953		10251	7785
2.969		76923	56398
3.018		2040267	1577761
3.082		2429482	2477083
3.136		11335990	8212772
3.193		242417	163430
3.226		22775	15941
3.252		1452392	1075806
3.293		48580	59630
3.322		16854	13636
3.35		14485470	16637200
3.403		1782312	1253691
3.426		677538	423346
3.452		1150754	701761
3.478		14098250	11262830
3.514		492521	351518
3.561		3559780	2137596
3.577		1923385	1025838
3.639		32820530	38159940
3.676		16500480	13821520
3.754		16870470	12881320
3.788		8341362	6104773
3.815		10249570	7089068
3.834		3030039	1754176
3.889		33156	29215
3.929		13480280	10463490
3.955		4499811	2800860
3.977		4189969	3013711
4.012		1481185	882959
4.029		11439280	8036252
4.076		3962366	3673343
4.123		471925	401455
4.147		2835716	1909600
4.171		14556910	11495750
4.199		3083558	2191407
4.222		171572	74187
4.238		1449555	1074888
4.278		12427660	10868590
4.318		382149	283778
4.337		572618	627367
4.38		9069	5037
4.411		27179	26458
4.437		577083	624384

ASX67 0414

RT B	Compound B	Height B	Area B
4.499		2727655	2666565
4.548		1683955	1248622
4.577		14114810	14396570
4.606		4817538	5330167
4.662		30089180	28573820
4.711		469886	360262
4.737		2192690	1634038
4.762		7530524	6578875
4.808		48559780	45941460
4.922		34069270	35032660
4.98		3205221	3188833
5.019		10167810	9549179
5.058		35627980	35928530
5.09		26644410	23561440
5.132		16609620	15704900
5.237		5829615	6939642
5.289		26599200	25750670
5.316		1772184	1215628
5.364		15101910	15461250
5.401		5644491	4802704
5.426		4209893	3616875
5.482		77736320	81689280
5.524		1217191	991051
5.56		2224001	2210833
5.698		15649390	16452380
5.746		46888210	56574030
5.902		1356804	1500262
5.944		974952	894548
5.973		394585	341533
6.022		6161522	6759312
6.125		15783980	15281600
6.157		453430	354362
6.329		4926489	5360917
6.49	DCB	63538430	69041670
6.646		13133	5671
6.678		56911	72183
6.781		7899	11163
6.837		60397	79736
6.909		123875	189488
6.954		12662	11464
7.042		11222	12706
7.146		22502	34625
7.365		81422	118596
7.527		31821	49814
7.594		41648	52020
8.132		7620	12375
8.195		3974	1750
8.251		6315	6647
8.404		6623	9194
8.531		7029	13196
8.593		6512	4876
8.668		6430	4941

ASX67 9415

AR1641224B AAAR164AA ICAL 1218699999 SW-846 8082

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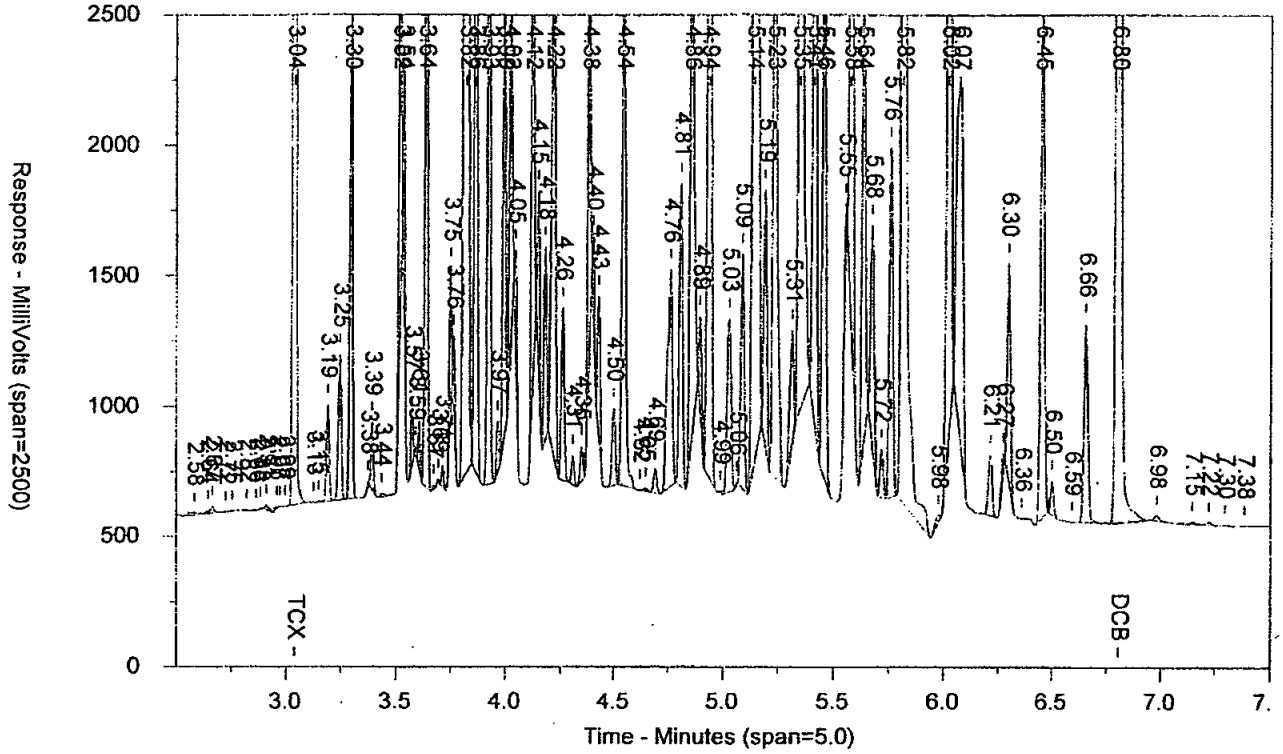

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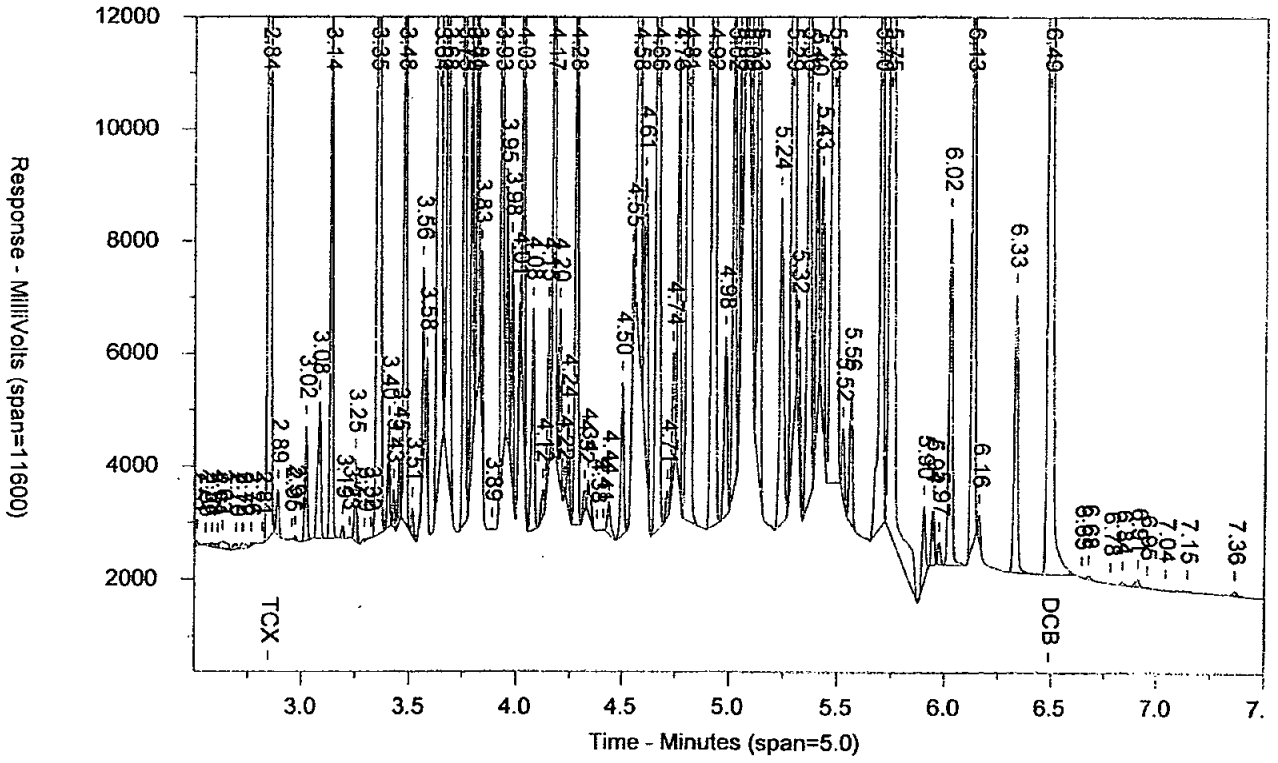

ASX67 8416

LANCASTER LABORATORIES

Sample Number: AR1641224B AAAR164AA ICAL 1218699999 Sample Weight: SW-846 8082
Injected On: 7/6/2012 8:50:41 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	15760510	98.693	TCX	2.844	93032700	102.258	TCX
6.804	8123798	88.504	DCB	6.49	63538430	100.664	DCB

Files:
Area File: 1p20188.0009.RAW
Area File: 1p20188B.0009.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 8:59:24 AM
File Reported On: 7/8/2012 at 3:15:13 PM

ASX67 8417

AR1641224B AAAR164AA ICAL 1218699999 SW-846 8082

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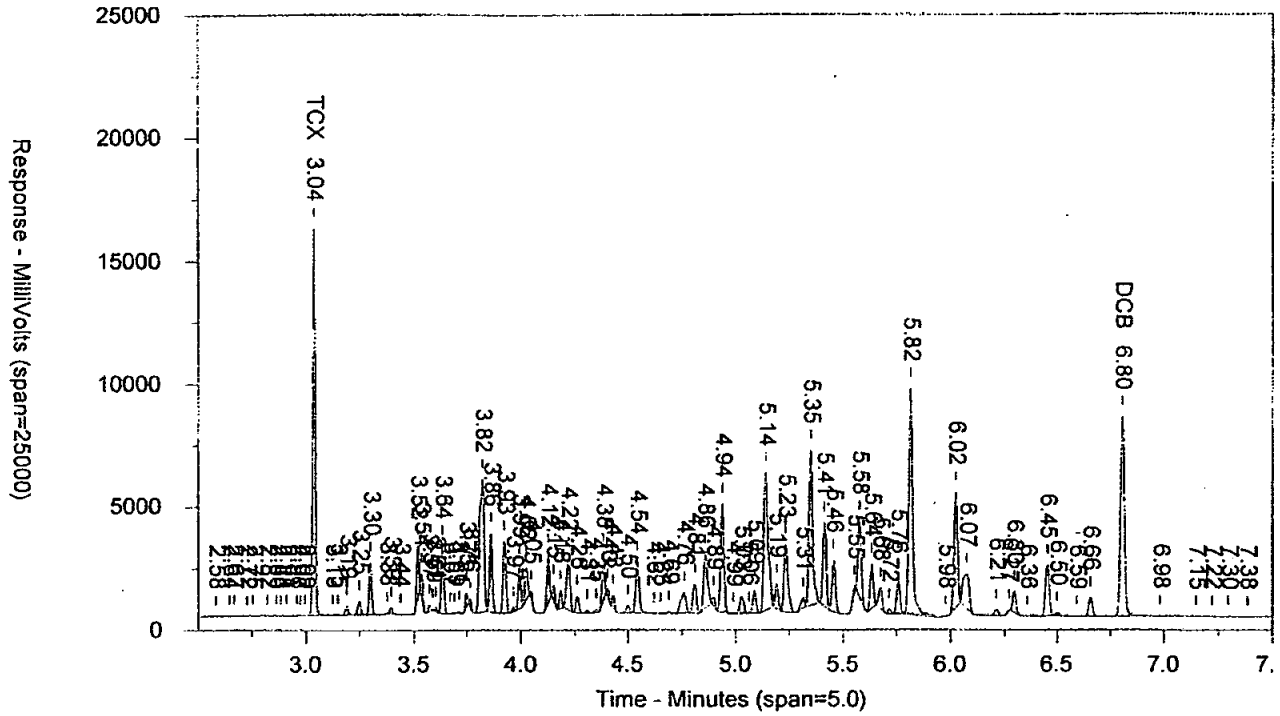

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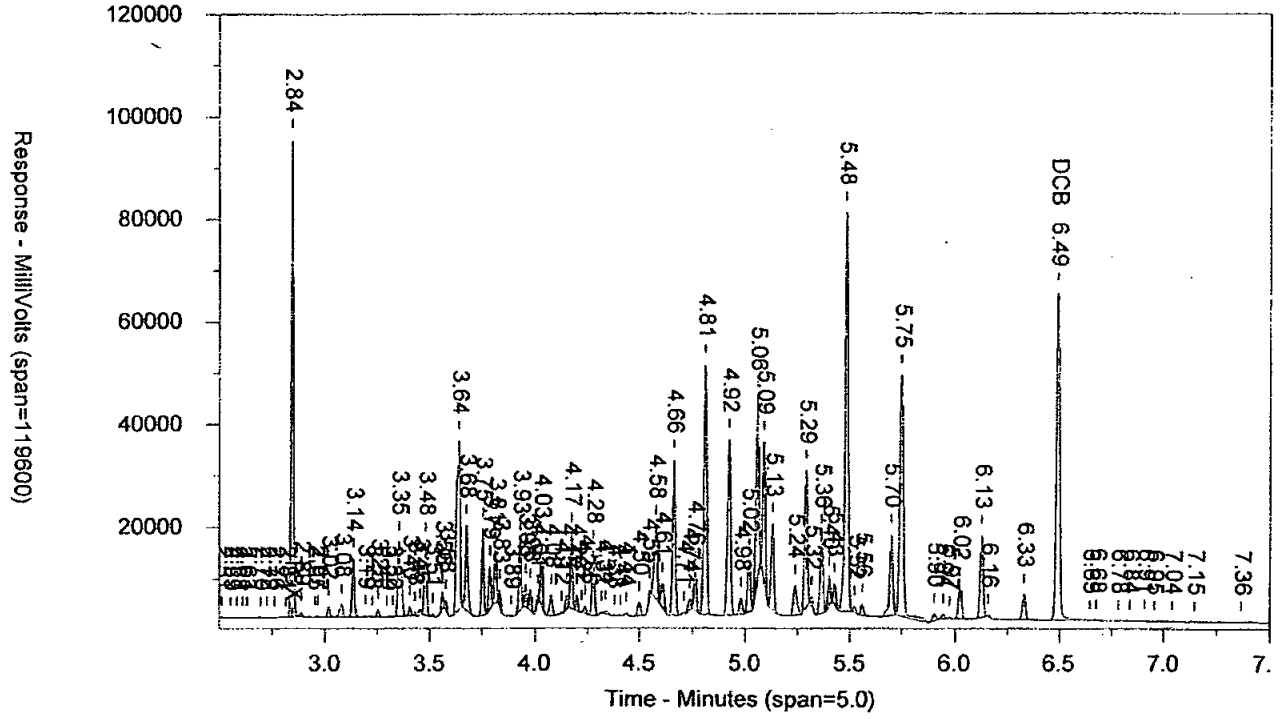

ASX67 041B

LANCASTER LABORATORIES

Sample Number: AR1651224B AAAR165AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 9:02:11 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0010.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.519		3623	3079
2.572		8344	17479
2.666		46286	49357
2.692		3856	2333
2.728		2510	1289
2.754		11738	13265
2.816		4107	3110
2.886		4485	3454
2.911		8960	11820
2.953		13307	10863
2.999		3168	3520
3.037	TCX	19686450	14993380
3.125		1646	873
3.144		2377	1862
3.191		680107	621077
3.249		941046	888664
3.299		3927011	3090640
3.375		32324	17406
3.393		469856	359414
3.435		19341	20996
3.479		2846	2198
3.518		3568565	2431713
3.535		1536827	890282
3.572		484232	313460
3.588		52428	19802
3.604		329220	203765
3.636		4844386	4180385
3.671		25698	15424
3.692		27577	17190
3.711		146178	106252
3.748		991669	686096
3.764		417034	238851
3.823		10284430	14319920
3.862		5788977	5191212
3.924		5280280	4747982
3.966		344317	265970
3.993		3189247	2614217
4.023		2335487	2103673
4.044		533271	350086
4.124		3542066	3086412
4.149		1167667	831531
4.181		1368920	1096291
4.218		3943079	4479896
4.259		1194542	1174631
4.307		197938	186060
4.349		235874	211405
4.384		3243866	2866617
4.404		515121	319896
4.429		980436	798005
4.499		546523	556260
4.544		3546620	4093769
4.579		24290	15632
4.621		3538	1500
4.645		19642	18090

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RT A	Compound A	Height A	Area A
4.69		170397	180536
4.76		1515199	2408911
4.807		2116479	2278441
4.855		3861833	4850801
4.894		657172	549649
4.935		7853813	8819035
4.986		16643	14110
5.027		1241611	1530526
5.059		29934	14654
5.087		1557842	1736649
5.14		10152480	14481340
5.191		1797836	1732772
5.233		4957941	6263536
5.312		781861	929713
5.349		11559270	13910920
5.413		6148109	6794303
5.456		3927091	4230465
5.554		359086	379512
5.577		5551438	5891464
5.636		3255266	3443915
5.676		1636202	1679495
5.717		335827	359283
5.759		2384415	2724949
5.816		16907040	20890430
5.975		27458	48001
6.023		8646832	9954054
6.063		161515	340524
6.076		1192831	1047092
6.174		6139	3568
6.21		403148	482753
6.272		110540	124345
6.296		1481738	1584242
6.362		3742	4236
6.454		3789923	4529144
6.498		240158	253687
6.655		1284344	1641077
6.803	DCB	10103560	12991080
6.976		21880	37298
7.145		13871	25548
7.221		13853	27016
7.29		5447	8440
7.358		6473	16444
7.551		11634	19413
7.619		9065	19468
7.681		9407	14270
7.883		4636	8377
7.934		14835	28434
8.062		3876	5696
8.139		1608	642
8.262		1209	543
8.288		1846	1815
8.329		2426	1756
8.439		2059	3766
8.454		1918	1313
8.609		12256	37501

ASX67 0428

LANCASTER LABORATORIES

Sample Number: AR1651224B AAAR165AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 9:02:11 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0010.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.512		158847	103945
2.549		19778	17949
2.582		79721	106345
2.63		88362	346345
2.727		81816	130346
2.766		62705	60395
2.797		15495	7964
2.844	TCX	120451000	83855890
2.887		1409977	1234118
2.968		41693	23951
2.986		90374	60132
3.018		3802671	2894872
3.082		4318358	4166555
3.136		20570190	14996630
3.192		320355	224186
3.225		28605	19254
3.252		2577188	1970676
3.298		19062	15325
3.323		17095	18556
3.35		26387250	30584910
3.403		3245252	2321465
3.426		1305399	823640
3.451		2083416	1270122
3.477		25449810	20800430
3.513		846549	559106
3.56		6552533	3905532
3.577		3511123	1907427
3.63		5818554	5761436
3.639		32419570	16296470
3.675		30566040	25940320
3.753		32155120	24378840
3.787		17963020	13008430
3.814		19367470	13295520
3.834		5509713	3185703
3.887		60986	54188
3.928		25301080	19407570
3.954		8300187	5305659
3.976		7957588	5672008
4.011		2789361	1702306
4.028		19998940	14933850
4.075		7260420	6679521
4.122		887872	763763
4.146		5387537	3609699
4.17		28619960	21778660
4.198		5869007	4085671
4.22		291993	121694
4.238		2664689	1950309
4.276		23288440	20456800
4.319		548213	445925
4.336		1137305	1117862
4.397		87657	87141
4.436		1127864	1190666
4.498		5230729	5010825
4.546		3385887	2419403

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RT B	Compound B	Height B	Area B
4.576		27106440	27723360
4.606		10436560	11085040
4.661		57067950	54129150
4.709		812876	657060
4.736		3881520	2936961
4.761		14382400	12475740
4.807		91373640	88589880
4.921		66886200	70002300
4.98		6285853	6218560
5.018		19530820	18362160
5.058		71568140	70024500
5.09		51502820	46126510
5.131		32330540	30512080
5.198		102140	80473
5.236		11214930	13190300
5.289		51904700	49677240
5.315		3187099	2268313
5.364		28532240	29846190
5.4		10946940	9157220
5.426		8507944	7204874
5.482		160603400	164686500
5.523		2239251	1917987
5.56		4230603	4207510
5.635		36133	24738
5.676		317441	364767
5.698		28205410	27293690
5.745		93452500	108585400
5.902		2450749	2509490
5.943		1831106	1607958
5.97		720266	592113
6.021		12530330	12739800
6.068		24318	23429
6.124		29618520	29698810
6.156		885985	669575
6.326		9089081	9773056
6.407		11702	9257
6.443		21049	19887
6.49	DCB	81675340	90578940
6.677		110281	141633
6.79		49629	82423
6.839		128779	226746
6.906		132789	217983
6.952		13780	9564
6.99		20742	22069
7.097		31244	100662
7.247		28607	63514
7.327		7769	4532
7.364		112577	178674
7.524		29221	32606
7.56		36908	40579
7.592		43490	47827
7.685		33758	55459
7.741		164784	289542
7.856		11338	18073
7.92		44784	87698
8.045		4754	4538
8.14		11966	25473
8.359		7609	8441
8.507		4630	2333
8.588		4260	4522
8.625		5740	2540

ASX67 9422

AR1651224B AAAR165AA ICAL 1218699999 SW-846 8082

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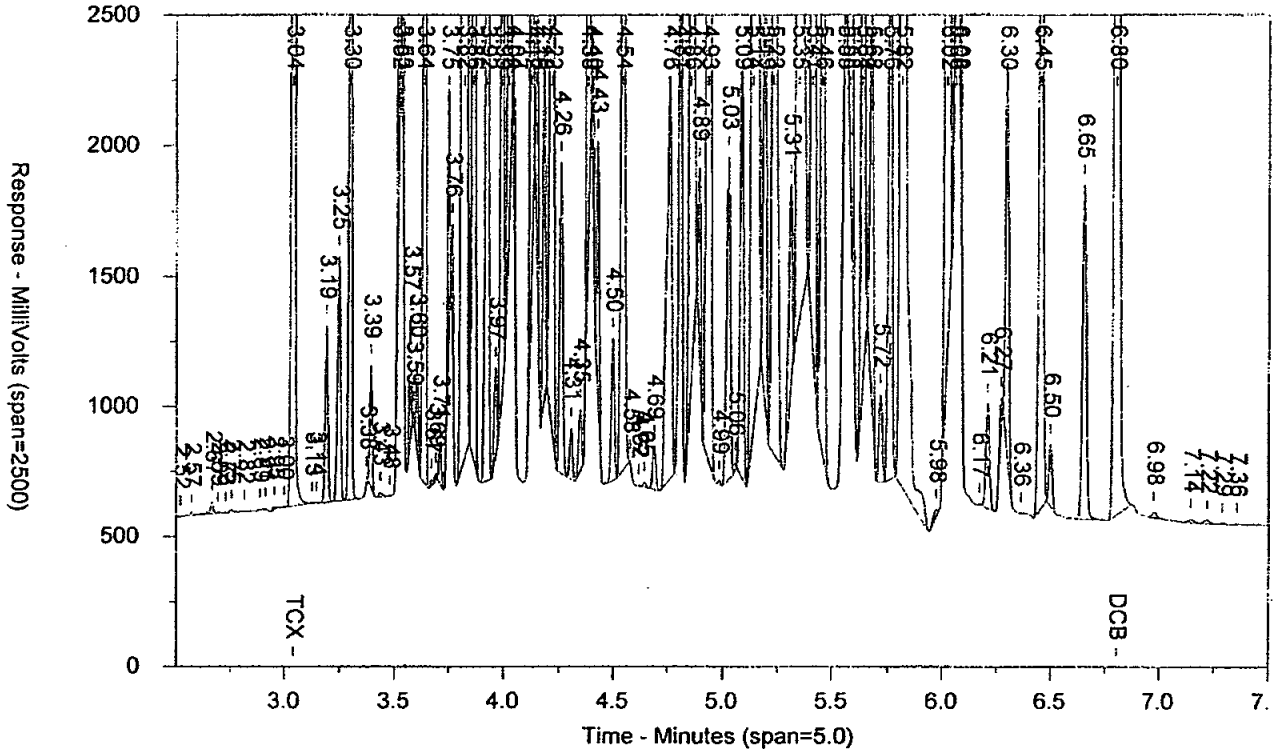

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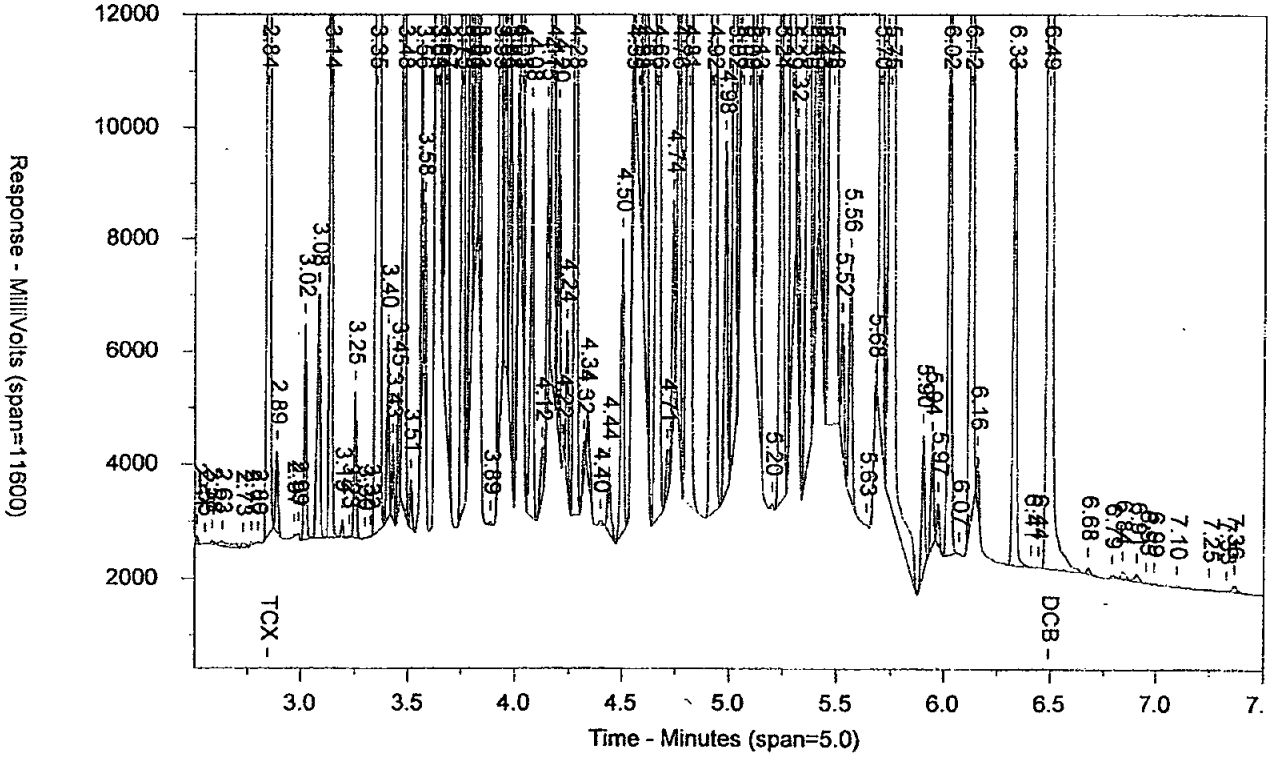

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LANCASTER LABORATORIES

Sample Number: AR1651224B AAAR165AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 9:02:11 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	19686450	93.528	TCX	2.844	120451000	99.79	TCX
6.803	10103560	85.049	DCB	6.49	81675340	96.952	DCB

Files:
Area File: 1p20188.0010.RAW
Area File: 1p20188B.0010.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 9:10:53 AM
File Reported On: 7/8/2012 at 3:15:19 PM

ASX67 0424

AR1651224B AAAR165AA ICAL 1218699999 SW-846 8082

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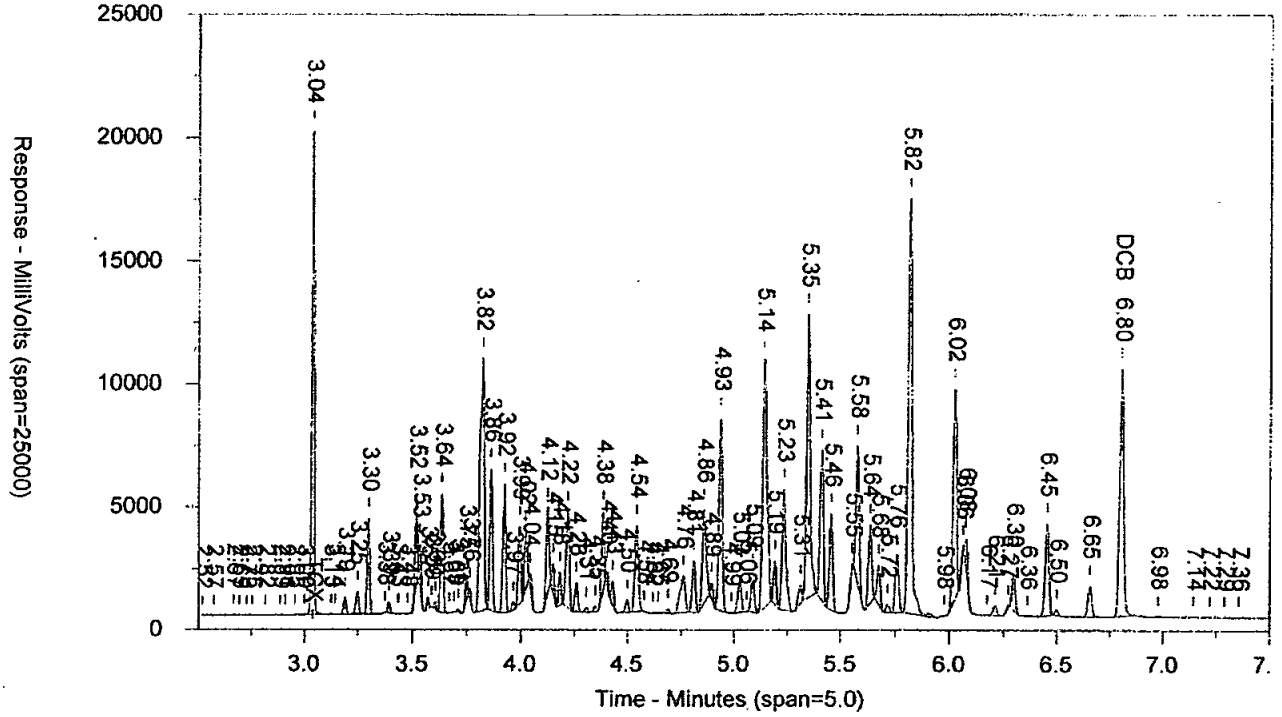

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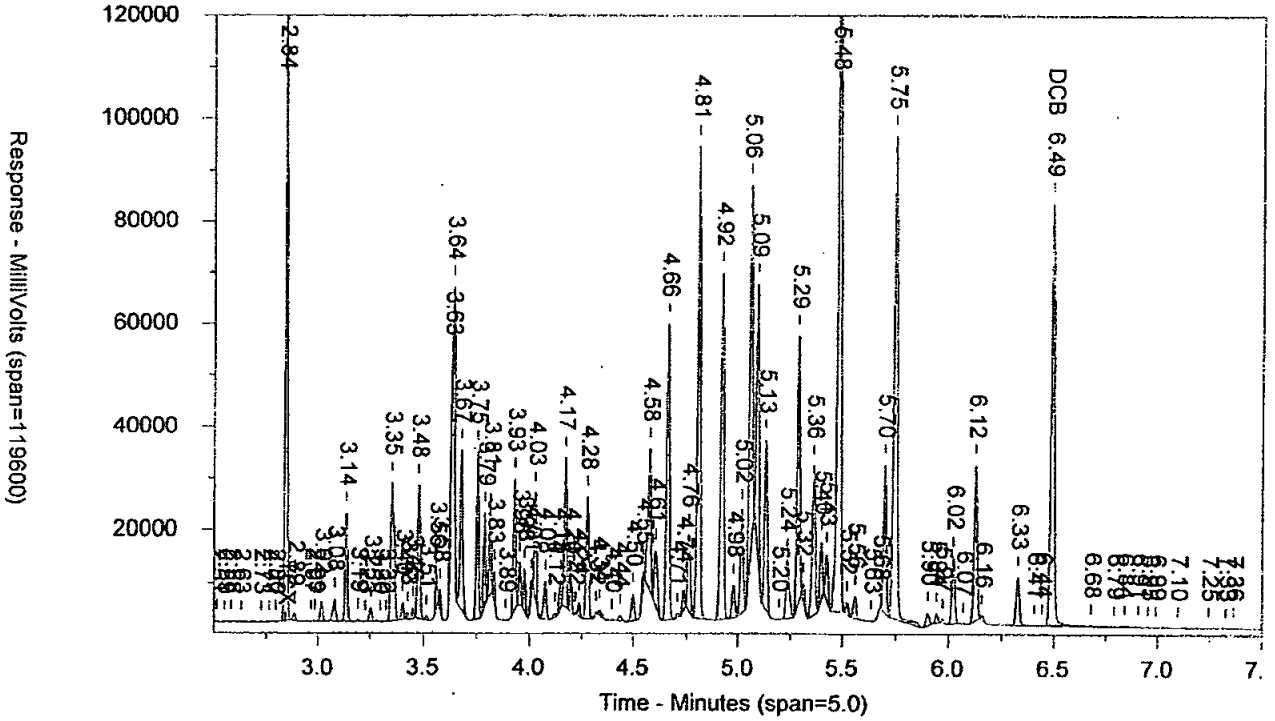

ASX67 8425

LANCASTER LABORATORIES

Sample Number: AR4831224A AAAR483AA . ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 9:36:38 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0013.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.523		2757	2185
2.567		6910	11024
2.62		3785	2634
2.645		10839	21465
2.694		5051	4968
2.727		1660	1373
2.753		14297	11329
2.778		1590	768
2.815		4776	4990
2.867		1583	2419
2.887		3346	3205
2.908		7980	7999
2.972		3794	8782
2.996		3254	2370
3.037	TCX	10123940	7788808
3.124		3613	3768
3.151		10781	7077
3.19		11360	12538
3.242		157897	131500
3.299		94075	75572
3.347		2127	1177
3.376		36788	26346
3.395		17641	10956
3.444		10888	12588
3.475		7042	8748
3.519		436574	315238
3.536		107307	53941
3.574		36712	32112
3.607		5301	2620
3.637		444996	377403
3.67		6649	5012
3.696		24535	17095
3.749		109561	113372
3.813		367963	256992
3.825		334630	208878
3.863		540418	491216
3.925		661360	621847
3.967		83899	62033
3.995		1091528	910368
4.024		707411	623260
4.046		169084	114261
4.126		1255948	1081615
4.15		319183	235970
4.183		443701	357265
4.219		1095235	1196708
4.261		373741	352409
4.309		44511	40445
4.351		127345	123654
4.386		783312	613993
4.407		956109	651098
4.431		1259081	1001906
4.462		3271	1442
4.501		119494	129985
4.541		1112449	1049182

ASX67 0426

RT A	Compound A	Height A	Area A
4.564		280102	283174
4.623		17003	12153
4.648		69889	61471
4.691		371375	386147
4.746		492943	523695
4.778		253656	210194
4.809		822793	830414
4.858		20264	19349
4.897		357639	379229
4.938		76732	111764
4.988		97351	102790
5.031		677824	767799
5.113		61747	95886
5.141		74824	130085
5.194		5436	4100
5.234		667504	764040
5.278		16114	12007
5.303		11568	15934
5.35		152868	189487
5.411		6760	6419
5.458		8702	20310
5.562		57680	90264
5.648		72690	130900
5.759		30339	30231
5.817		31420	33261
6.026		30236	156372
6.067		6163	16555
6.155		4062	5454
6.212		41443	49627
6.248		20262	21864
6.369		6287	19471
6.453		12112	18252
6.507		2573	3099
6.554		929	848
6.658		46529	53569
6.759		1124	1731
6.806	DCB	5332591	6795696
6.985		15982	27275
7.055		1513	1326
7.15		4700	5825
7.222		10712	24058
7.303		3466	4926
7.486		1899	766
7.502		1582	798
7.523		1340	969
7.603		1747	366
7.627		2772	3733
7.684		6635	13117
7.888		3691	5816
7.941		9780	24327
8.084		5235	16050
8.238		1832	1463
8.282		1926	1118
8.32		2375	6283
8.441		1928	4138
8.512		1861	1927
8.556		1208	815
8.635		6653	33336

LANCASTER LABORATORIES

Sample Number: AR4831224A AAAR483AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 9:36:38 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0013.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.514		16909	12962
2.549		31958	30238
2.583		93375	92466
2.629		74415	127396
2.724		59347	89863
2.763		34996	19891
2.814		13741	7684
2.844	TCX	60339050	41107250
2.887		20560	12119
2.92		7012	1569
2.969		28479	16368
2.983		63753	48551
3.019		75048	82521
3.07		777933	592511
3.136		441922	317125
3.192		167834	126322
3.227		41757	43603
3.254		117560	91730
3.296		24956	15857
3.316		34724	35011
3.35		2812996	2928088
3.403		174634	122459
3.426		15394	10606
3.452		40665	25589
3.477		2162932	1762346
3.512		25221	14600
3.528		9268	3808
3.546		37661	19118
3.562		580487	551683
3.63		1942780	1130407
3.639		2029552	1006571
3.661		277232	119292
3.676		1977009	1336427
3.755		3545052	2810574
3.789		5695529	4211946
3.815		5177264	3577523
3.835		1523577	902513
3.888		47191	50762
3.929		7749772	5916904
3.956		2195717	1431401
3.978		2326058	1665548
4.013		428199	265960
4.029		5060165	3854558
4.076		2118832	1961140
4.124		386606	339977
4.148		4395368	3089381
4.172		10773300	8021692
4.199		7765090	5792430
4.221		320377	156038
4.239		411280	240005
4.278		3397060	2995839
4.32		4788137	4443580
4.351		3360778	2670082
4.4		365389	302747

ASX67 0428

RT B	Compound B	Height B	Area B
4.438		2048819	2070128
4.5		3573072	3417395
4.536		1811611	1462733
4.565		4956083	4494060
4.605		107125	147887
4.669		1891508	2559853
4.702		552475	462365
4.738		4300870	4254961
4.808		505660	464155
4.839		301806	285492
4.92		563568	633650
4.977		3616203	3610302
5.017		153633	146479
5.061		890407	1116869
5.11		50308	34866
5.133		32339	21125
5.222		6862	2566
5.253		28863	22562
5.292		62400	51849
5.317		259624	235091
5.365		40075	27852
5.399		26313	23365
5.43		19614	10918
5.463		106867	78655
5.483		133986	93335
5.599		19370	16557
5.673		200960	360555
5.723		12429	4161
5.745		144038	170224
5.784		5458	1955
5.83		267929	887428
5.906		277878	381769
5.947		43622	52996
6.013		210277	453098
6.123		65246	120191
6.207		15826	19840
6.258		21945	21697
6.33		248387	256764
6.368		31905	45061
6.455		8203	3464
6.492	DCB	38244830	41285360
6.619		28040	38656
6.841		57143	94237
6.911		72400	112859
7.102		32090	54456
7.146		18007	20011
7.368		55434	94468
7.613		6374	1713
7.675		21742	51118
7.741		18040	29552
7.924		23685	46678
8.032		9836	22043
8.257		6233	6395
8.335		5338	2958
8.528		5239	2884
8.591		5938	6561
8.677		14933	20870

AR4831224A **AAAR483AA** **ICAL 1218699999** **SW-846 8082**

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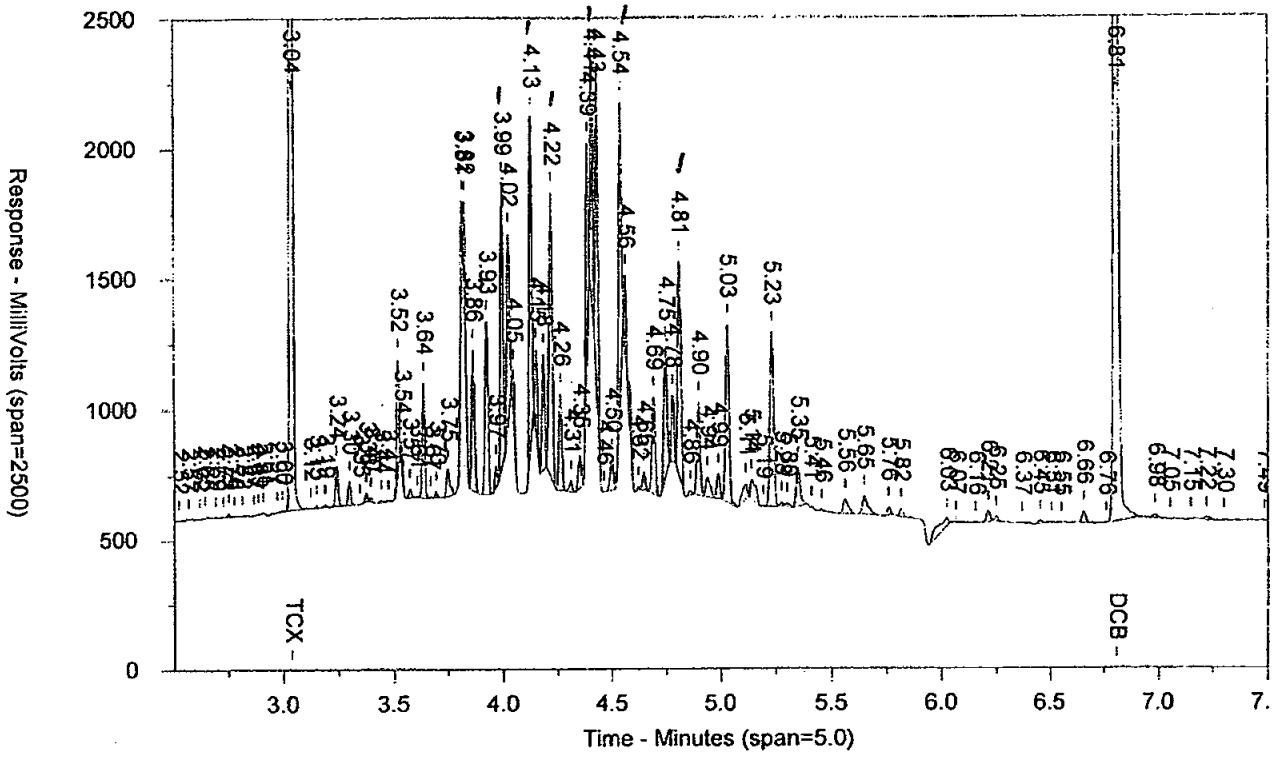

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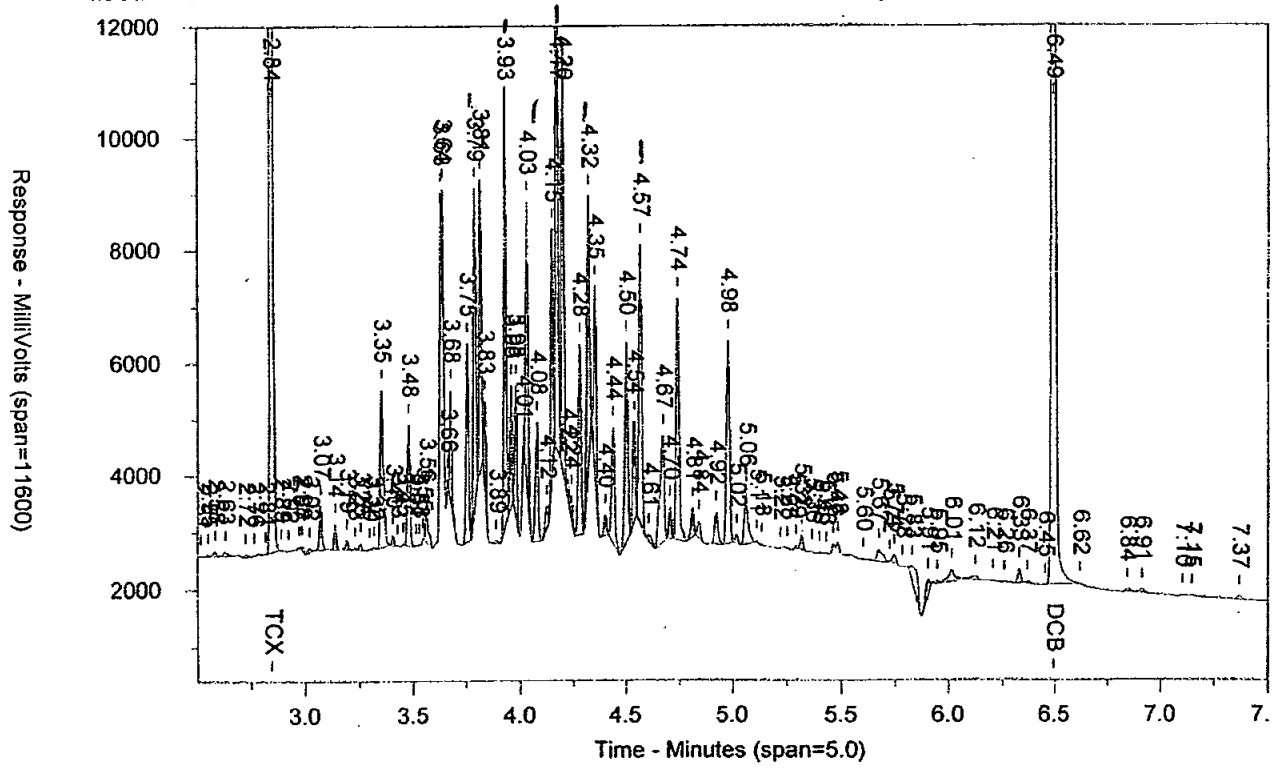

ASX67 0438

LANCASTER LABORATORIES

Sample Number: AR4831224A AAAR483AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 9:36:38 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10123940	39.209	TCX	2.844	60339050	40.346	TCX
6.806	5332591	37.018	DCB	6.492	38244830	36.541	DCB

Files:
Area File: 1p20188.0013.RAW
Area File: 1p20188B.0013.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 9:45:21 AM
File Reported On: 7/8/2012 at 3:37:35 PM

ASX67 8431

AR4831224A AAAR483AA ICAL 1218699999 SW-846 8082

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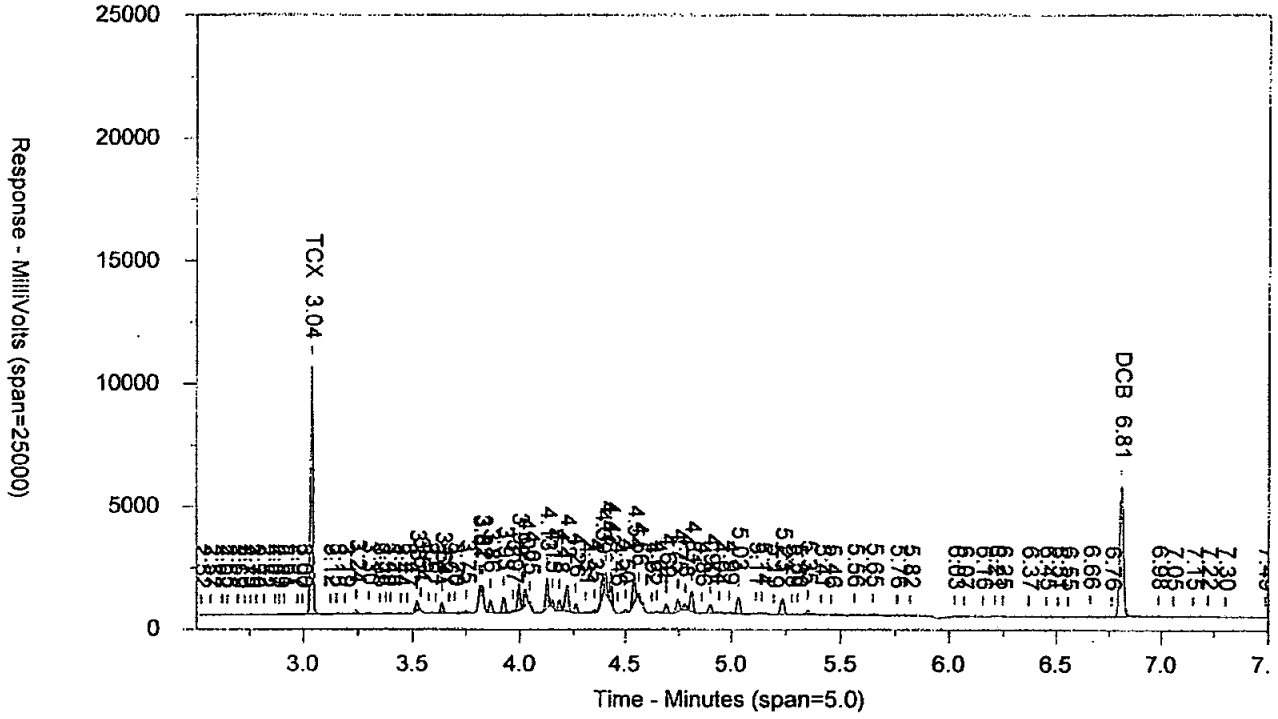

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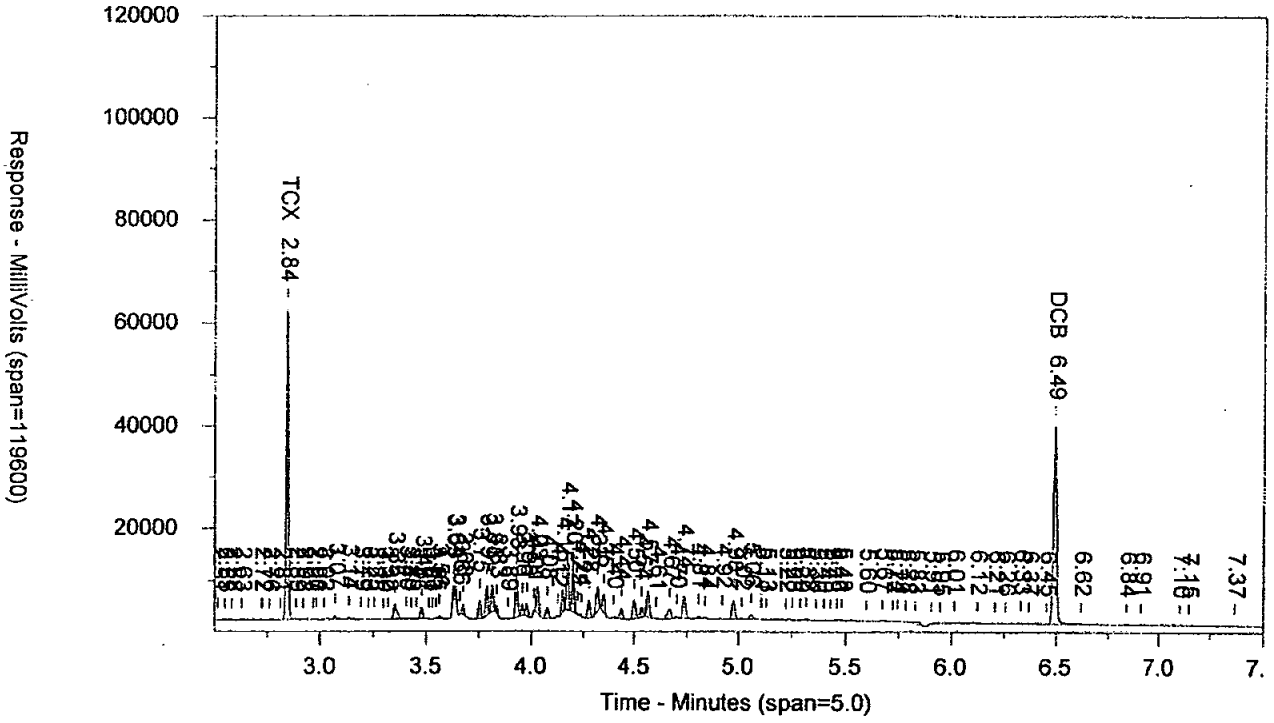

ASX67 842

LANCASTER LABORATORIES

Sample Number: AR5411224A AAAR541AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:10:51 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0016.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.521		2266	1580
2.537		3176	1569
2.57		7556	10962
2.605		5135	7082
2.647		9819	15027
2.731		1983	6123
2.752		10592	9179
2.817		3613	5001
2.862		3434	3701
2.885		6815	6433
2.921		5378	6999
2.958		4018	4987
2.995		3615	4571
3.037	TCX	1160035	877915
3.095		2124	902
3.125		4484	5808
3.152		5604	3741
3.208		2018	3832
3.241		19571	15561
3.297		6394	6776
3.376		13770	17575
3.402		5005	4812
3.451		7481	10122
3.486		5467	7497
3.519		7381	4846
3.535		2204	1308
3.558		2523	1553
3.59		3961	2502
3.632		15746	22607
3.672		7411	8540
3.718		3095	2143
3.795		19874	20908
3.825		6389	3371
3.862		5595	5306
3.923		7633	7319
3.966		2756	1451
3.994		246862	214805
4.022		61618	71543
4.124		159829	145619
4.169		19424	35842
4.219		66626	62659
4.258		12192	12306
4.29		1954	791
4.308		3681	2883
4.348		22704	23119
4.385		334777	289029
4.405		109575	69802
4.43		99863	74536
4.476		3819	7073
4.5		108794	108043
4.544		596967	681469
4.581		206237	195972
4.624		5903	4365
4.647		36015	33580

ASX67 8433

RT A	Compound A	Height A	Area A
4.691		201163	213806
4.744		365634	391001
4.777		67396	45776
4.808		699112	720966
4.856		55410	74002
4.896		94755	86274
4.935		241508	292521
4.987		52832	50871
5.029		567140	634037
5.06		11633	6735
5.089		59197	73561
5.141		322282	554520
5.193		5167	3142
5.234		445798	495005
5.277		39133	34772
5.306		40421	52035
5.35		579062	845082
5.455		21393	32219
5.56		181875	287439
5.643		35018	42813
5.673		11640	10316
5.76		117747	116304
5.786		9511	5834
5.817		80782	84664
5.855		15340	199632
5.979		41026	73822
6.025		61274	68321
6.055		7996	8223
6.209		12458	18757
6.276		5658	10684
6.371		15814	45891
6.456		9761	17911
6.495		1902	1836
6.611		1561	1032
6.658		4979	5677
6.805	DCB	690617	884060
6.944		1923	1214
6.983		10830	15726
7.143		1524	554
7.172		4587	5164
7.305		1223	768
7.318		1625	1911
7.423		1667	2384
7.471		1678	1194
7.568		2491	5007
7.627		1444	717
7.689		1214	746
7.748		2204	1794
7.807		1335	1293
7.841		1438	1243
7.953		1383	2206
7.997		1604	1451
8.083		2611	5771
8.179		1887	1616
8.215		1743	952
8.254		2038	1303
8.311		1455	3923
8.347		1617	2583
8.554		1374	734
8.597		1325	1017
8.647		3828	12552

ASX67 0434

LANCASTER LABORATORIES

Sample Number: AR5411224A AAAR541AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:10:51 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0016.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		11750	10689
2.541		27493	19537
2.553		37036	31919
2.582		85474	64737
2.604		21939	16937
2.63		68800	92176
2.687		10788	3413
2.725		57454	91405
2.77		56673	107200
2.818		9695	9450
2.844	TCX	6205637	4375596
2.906		17585	11017
2.946		11143	7950
2.969		41971	22360
2.985		47543	35560
3.018		16602	15128
3.051		22000	15087
3.071		80133	55431
3.101		20219	33120
3.139		31427	26294
3.168		9652	3104
3.189		43179	36013
3.225		49658	75338
3.26		19675	26728
3.299		27009	28102
3.32		35542	26927
3.363		80595	174024
3.437		14171	8723
3.478		43612	47513
3.528		19343	15258
3.565		156898	177293
3.607		29258	25722
3.629		65008	69992
3.659		19461	9981
3.709		12914	6352
3.731		12702	4638
3.754		44353	34853
3.788		1293666	995931
3.815		334013	227332
3.836		35752	17689
3.886		28794	36848
3.928		947418	710385
3.976		217946	591809
4.029		362366	383977
4.072		196523	279467
4.116		55503	48151
4.147		228875	149393
4.172		3379256	2680579
4.199		291824	178425
4.221		185642	104619
4.239		507877	344697
4.278		3087835	2669959
4.313		1112300	903840
4.337		598859	434845

ASX67 0435

RT B	Compound B	Height B	Area B
4.4		196813	197196
4.437		1215304	1270327
4.499		2484236	2447753
4.536		529150	411886
4.565		4066558	3851909
4.606		323901	406438
4.664		1904715	2204606
4.702		305387	267219
4.737		3292668	2987340
4.763		370714	253530
4.808		2140093	2126350
4.839		76596	53993
4.92		1733416	1898467
4.976		2063062	2065887
5.017		511271	498090
5.059		3230269	4111402
5.111		171676	121058
5.131		59022	43564
5.202		37221	32493
5.252		201102	219838
5.291		138532	108239
5.317		943756	863697
5.365		119508	110157
5.401		88334	79135
5.427		39898	31605
5.463		438776	355720
5.483		255592	164096
5.505		99086	69552
5.673		210575	482595
5.744		580257	882973
5.782		24824	43959
5.828		201633	785810
5.944		239965	1060593
6.002		24227	98785
6.02		14081	12075
6.069		7459	2625
6.104		5870	2365
6.123		21560	21927
6.208		29872	42711
6.328		33668	63958
6.492	DCB	4284150	4803005
6.565		9893	4011
6.838		15313	31674
6.907		48900	66332
6.966		6822	3223
7.057		11027	19294
7.099		13478	11960
7.147		24365	41143
7.212		9201	7559
7.744		17057	30691
7.933		16746	47371
8.051		7944	17232
8.139		7504	9678
8.281		5472	1982
8.383		5129	2030
8.611		4931	4024

ASX67 8436

AR5411224A AAAR541AA ICAL 1218699999 SW-846 8082

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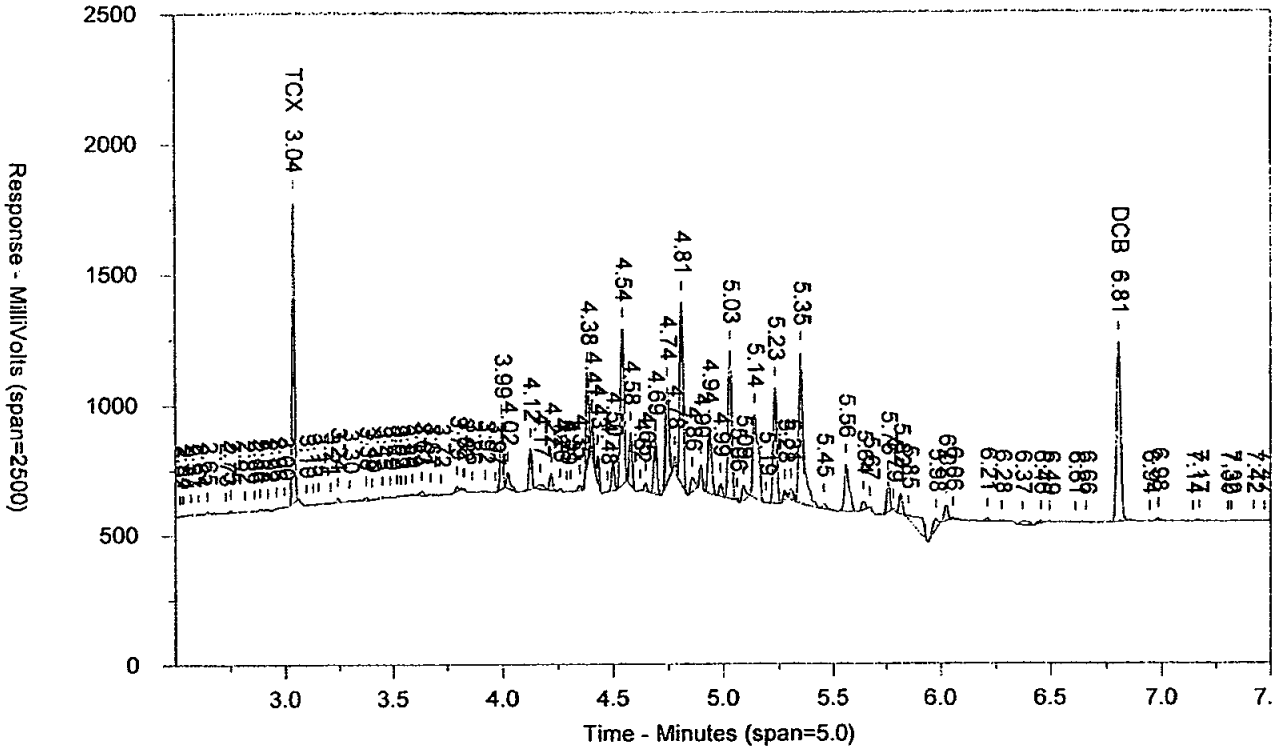

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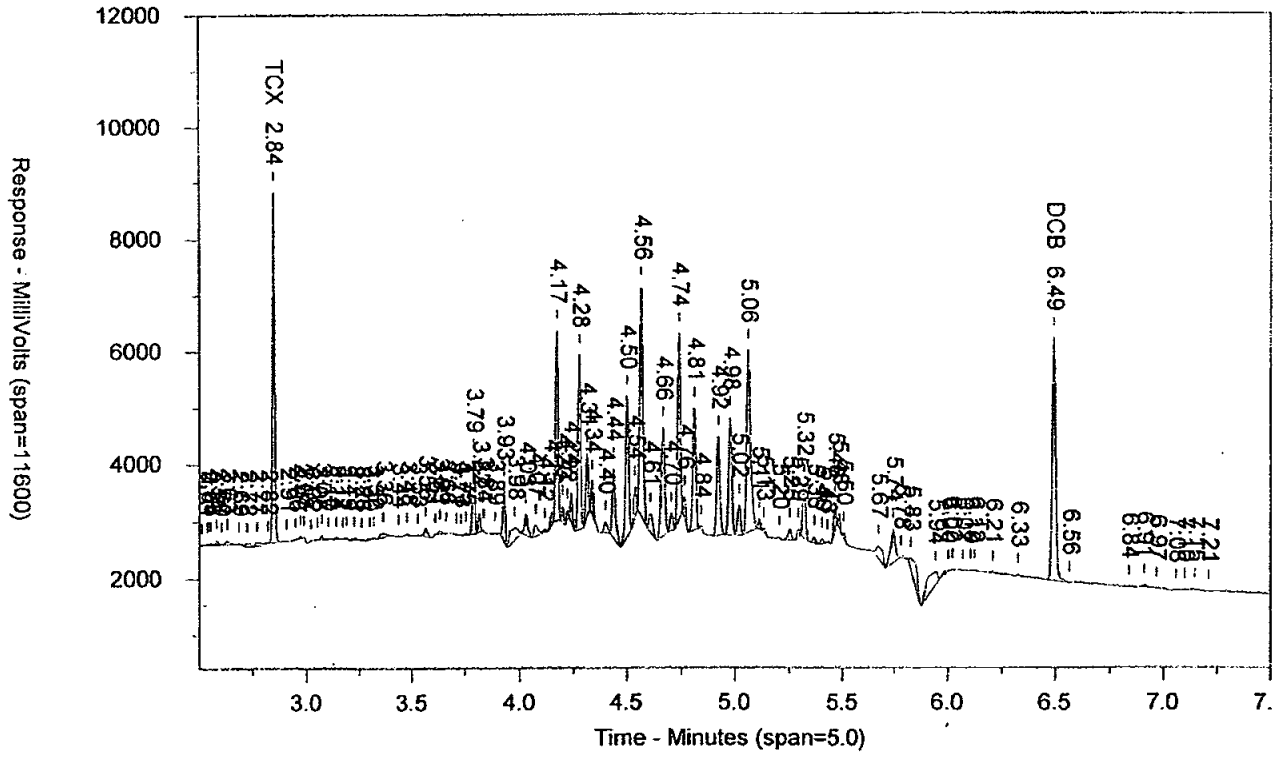

ASX67 0437

LANCASTER LABORATORIES

Sample Number: AR5411224A AAAR541AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 10:10:51 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	1160035	4.493	TCX	2.844	6205637	4.149	TCX
6.805	690617	4.794	DCB	6.492	4284150	4.093	DCB

Files:
Area File: 1p20188.0016.RAW
Area File: 1p20188B.0016.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 10:19:33 AM
File Reported On: 7/8/2012 at 3:37:53 PM

ASX67 0438

AR5411224A AAAR541AA ICAL 1218699999 SW-846 8082

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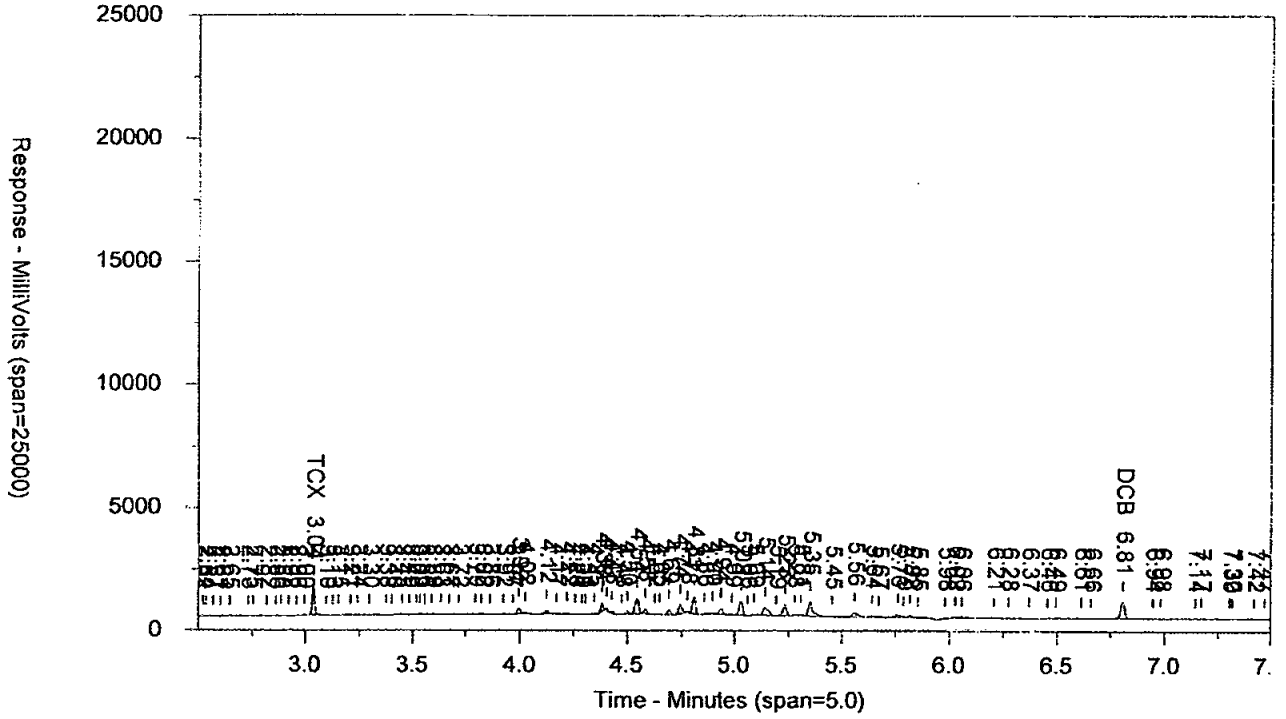

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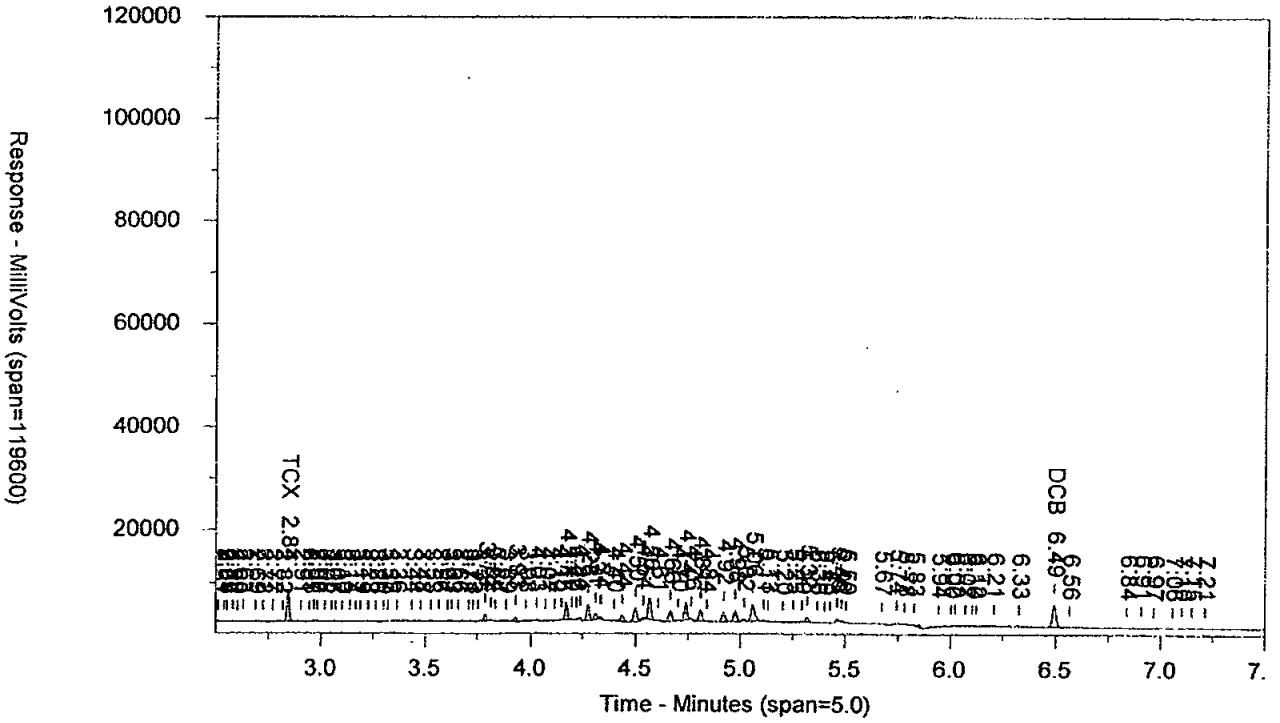

ASX67 6439

LANCASTER LABORATORIES

Sample Number: AR5421224A AAAR542AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:22:20 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0017.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.52		2254	1988
2.578		6300	20793
2.621		4222	2986
2.646		10661	16724
2.694		4167	4050
2.755		4950	6392
2.79		1321	367
2.818		4265	3229
2.854		1888	1096
2.889		4841	4918
2.907		3149	5480
2.963		1469	4797
2.996		3285	2299
3.037	TCX	5465509	4208092
3.125		3540	3885
3.155		3923	2888
3.189		1956	1215
3.241		87191	66800
3.276		2955	1171
3.298		10928	8982
3.375		29282	28800
3.402		2384	893
3.444		8773	10532
3.493		6616	9528
3.519		12246	8033
3.535		3734	2346
3.562		1694	973
3.579		2410	814
3.634		20976	25137
3.669		8972	8238
3.695		12590	8708
3.728		2181	2537
3.749		2955	1284
3.794		15221	8896
3.813		15109	28728
3.862		12087	10935
3.924		15407	13811
3.969		2353	1096
3.995		479700	417647
4.023		120058	125179
4.071		3552	2162
4.096		1745	955
4.125		317622	280568
4.152		7932	4439
4.167		2545	791
4.181		17203	12910
4.22		132735	123838
4.261		25379	24416
4.291		4426	5540
4.348		31849	32840
4.386		610641	537003
4.406		204627	131560
4.432		191994	150192
4.465		7500	7024

ASX67 8448

RT A	Compound A	Height A	Area A
4.501		215366	209123
4.546		1083601	1275526
4.582		394371	371441
4.624		12865	8348
4.647		70647	67190
4.692		398041	414445
4.744		698352	744056
4.777		126146	90222
4.809		1349792	1371075
4.858		113880	148516
4.897		185550	168368
4.937		449617	557203
4.987		106291	105726
5.031		1066234	1202199
5.061		10334	5651
5.09		102706	95446
5.112		6654	3150
5.141		589864	1045829
5.193		11607	7766
5.234		835732	946526
5.278		77839	71366
5.307		78434	102009
5.351		1060833	1610294
5.458		45487	62951
5.561		345959	550991
5.644		62902	76830
5.677		28480	26420
5.717		3916	2381
5.761		226288	235589
5.787		19239	10686
5.818		161452	169026
5.854		4851	4947
5.98		32030	57141
6.027		128397	134952
6.055		15741	16000
6.141		2244	5139
6.213		27920	37894
6.275		8896	14427
6.371		9048	15266
6.455		12502	25452
6.543		1091	941
6.574		1631	475
6.661		26614	34744
6.808	DCB	2894019	3828805
6.985		17101	23140
7.175		4223	6101
7.227		5011	10821
7.304		2154	2915
7.378		1068	977
7.486		983	612
7.547		2823	5600
7.643		2232	1271
7.688		4547	8007
7.749		1727	492
7.887		2343	3709
7.948		4580	11095
8.072		1473	1870
8.199		1748	661
8.254		1196	1231
8.289		1520	765
8.325		1413	941
8.432		2650	5877
8.502		1480	1245
8.518		1655	1389
8.571		1141	505

ASX67 9431

LANCASTER LABORATORIES

Sample Number: AR5421224A AAAR542AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:22:20 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0017.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.518		21837	20713
2.546		39499	33062
2.583		68100	69877
2.615		61863	69873
2.63		92420	197771
2.686		53993	73198
2.724		66634	104444
2.766		59599	88119
2.811		11734	5702
2.844	TCX	31452790	21982590
2.913		6637	3451
2.954		5339	9188
2.97		40278	21317
2.984		62577	50238
3.02		21971	29139
3.071		407807	304705
3.101		13328	8680
3.137		47633	41470
3.171		7513	4891
3.192		107039	72450
3.226		68983	90440
3.296		28428	18479
3.32		24672	18665
3.351		107430	195976
3.409		18664	15113
3.44		6875	2806
3.453		13045	4935
3.478		67277	59427
3.511		16380	7818
3.547		45569	26713
3.565		155171	138701
3.631		150321	232268
3.661		26625	12246
3.676		34571	36024
3.735		7826	4451
3.754		67558	45753
3.789		2566098	1950406
3.815		682577	453499
3.835		55177	29453
3.887		34570	48227
3.929		1756419	1330115
3.958		161367	134204
3.979		123005	144127
4.029		707768	707293
4.074		241254	308034
4.117		107244	100692
4.148		508042	325486
4.172		6598541	5231865
4.199		569443	359788
4.222		351478	197895
4.239		935956	666571
4.278		5953528	5219284
4.313		2207551	1746479
4.336		1203696	907977

ASX67 0442

RT B	Compound B	Height B	Area B
4.4		418145	386311
4.438		2245383	2261895
4.5		4822958	4606962
4.536		1072649	823140
4.565		7890119	7542981
4.606		642541	714206
4.664		3631861	4192578
4.702		615889	540921
4.738		6437233	5827614
4.763		729521	499469
4.808		4252758	4145569
4.839		173853	125428
4.89		10671	5110
4.921		3521586	3698686
4.977		4247850	4167145
5.017		1064632	1011864
5.06		6596712	8171402
5.111		370021	257966
5.132		146211	99477
5.199		91054	90909
5.253		419613	460810
5.291		281352	219803
5.317		1853037	1757841
5.366		241555	242716
5.403		185409	161607
5.428		81730	66050
5.463		960968	780707
5.483		580206	371171
5.504		120747	77326
5.627		11367	9603
5.672		252518	531165
5.745		1027932	1350667
5.783		23831	33187
5.825		62165	626381
5.909		124790	216383
5.945		82566	100199
5.999		18746	50117
6.025		28385	53669
6.104		9712	6662
6.125		41420	40942
6.261		11028	11062
6.33		141394	143456
6.493	DCB	20382860	23007090
6.841		23101	32106
6.911		78887	107779
6.956		14414	64103
7.051		10618	13472
7.098		11346	12308
7.145		15191	18200
7.326		5126	3516
7.368		31297	51012
7.661		7344	16084
7.92		16897	42456
8.029		5361	3847
8.221		7443	7341
8.397		4161	1673
8.551		3759	2836
8.642		4859	7743

ASX67 8443

AR5421224A AAAR542AA ICAL 1218699999 SW-846 8082

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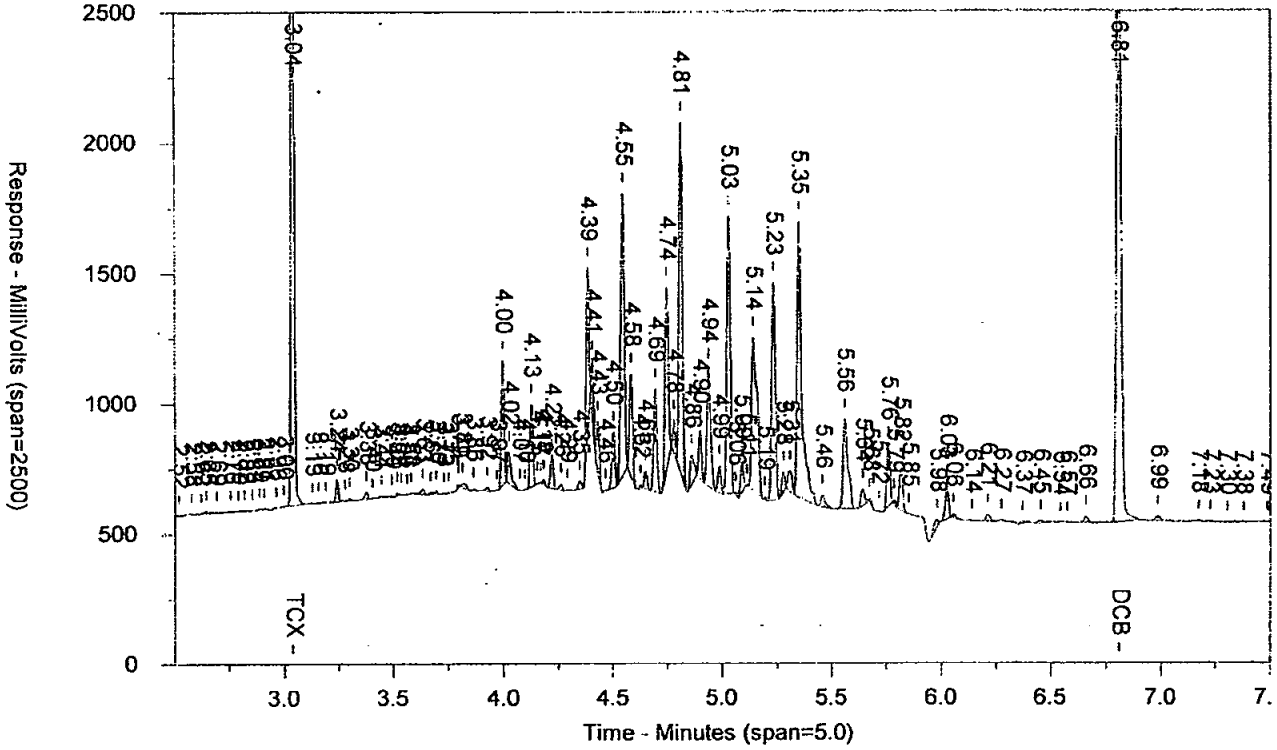

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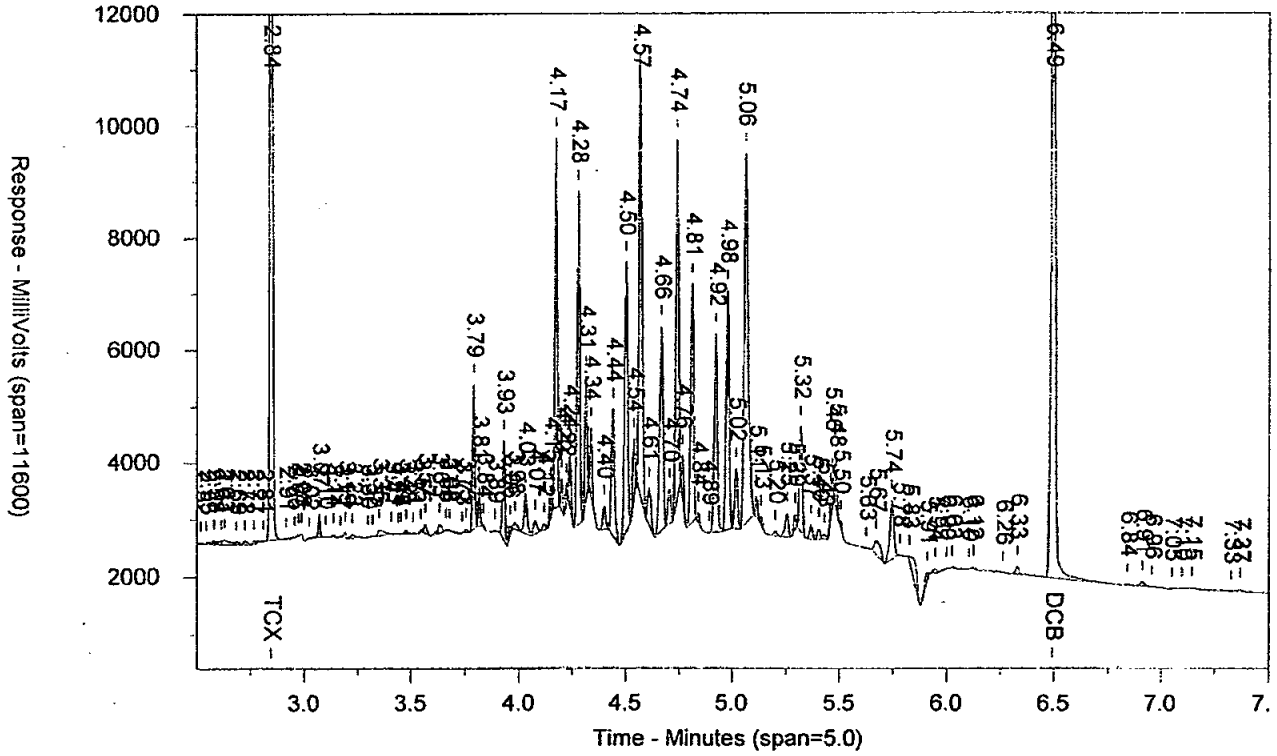

ASX67 B44

LANCASTER LABORATORIES

Sample Number: AR5421224A AAAR542AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 10:22:20 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	5465509	21.168	TCX	2.844	31452790	21.031	TCX
6.808	2894019	20.09	DCB	6.493	20382860	19.475	DCB

Files:
Area File: 1p20188.0017.RAW
Area File: 1p20188B.0017.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 10:31:03 AM
File Reported On: 7/8/2012 at 3:37:57 PM

ASX67 0445

AR5421224A AAAR542AA ICAL 1218699999 SW-846 8082

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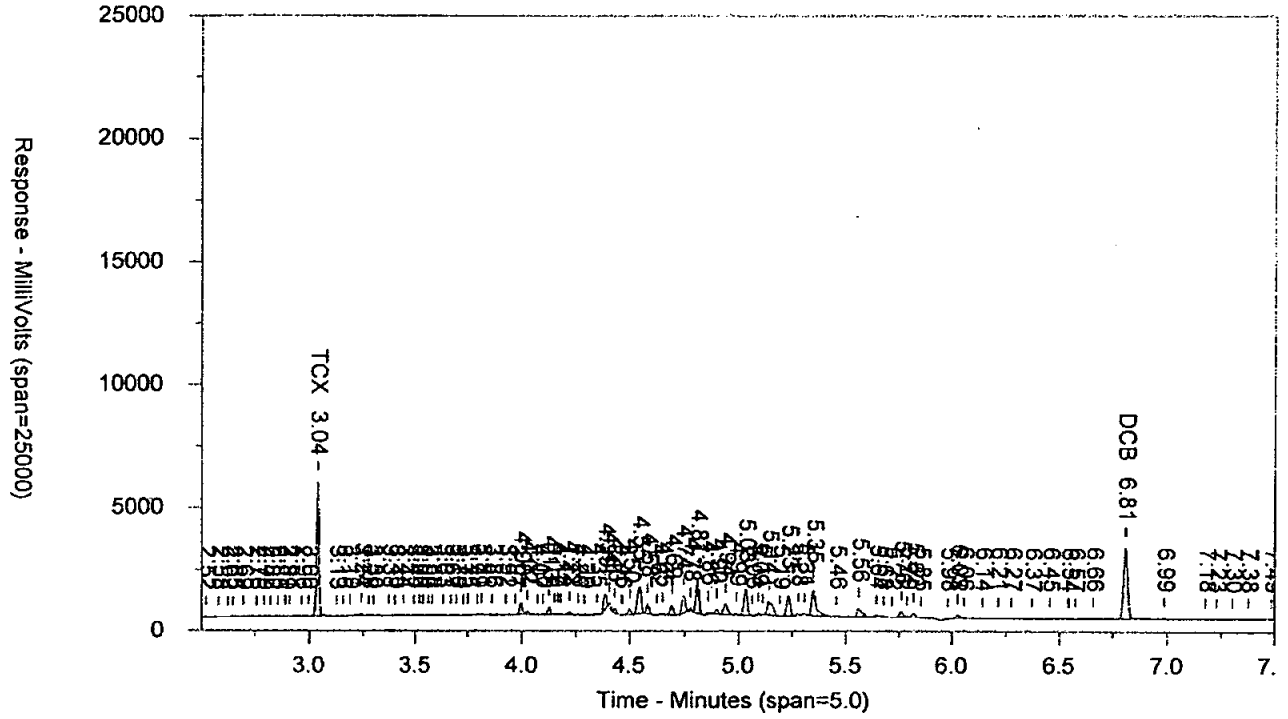

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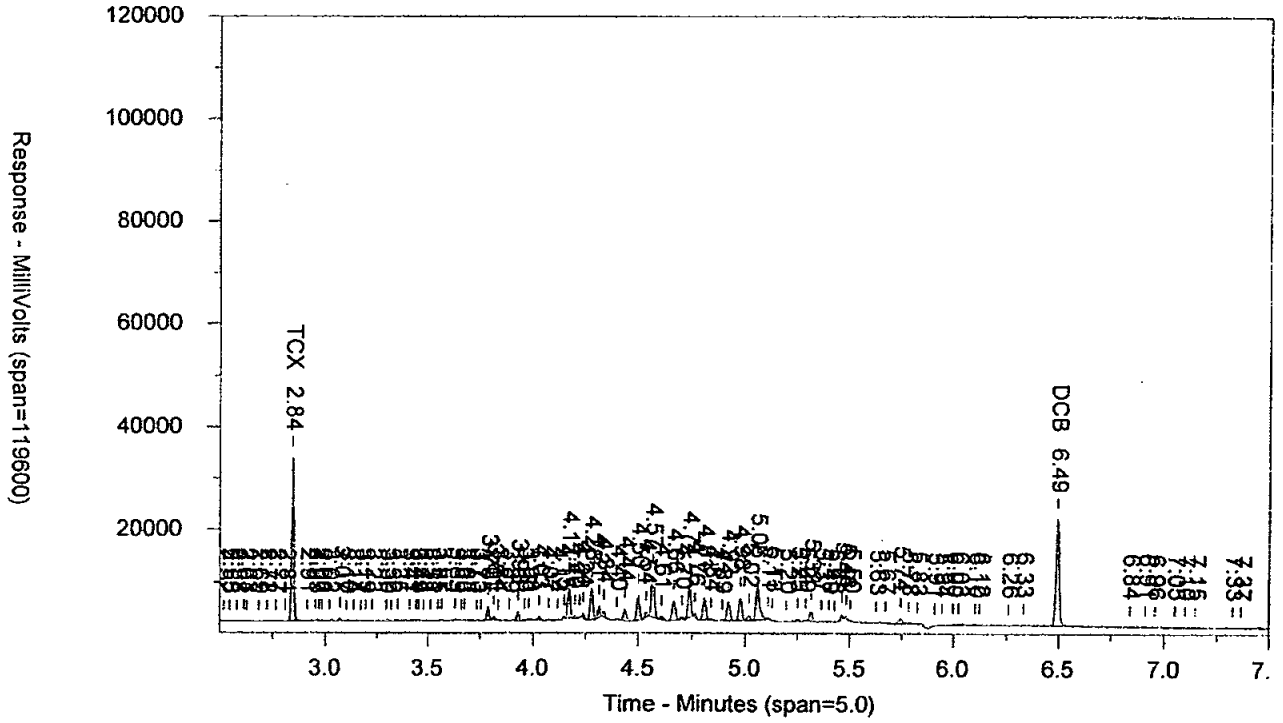

ASX67 8446

LANCASTER LABORATORIES

Sample Number: AR5431224A AAAR543AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:33:50 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0018.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.524		2415	1678
2.56		2175	2038
2.604		1867	1191
2.646		7578	8672
2.674		6973	7247
2.699		4345	4362
2.802		1667	4224
2.817		3465	2815
2.858		3723	3249
2.885		6026	5421
2.91		13092	19900
2.969		3844	15738
2.994		3504	2524
3.037	TCX	10661170	8256660
3.163		1408	1336
3.196		3105	4384
3.242		167585	130888
3.3		22114	16394
3.319		2260	878
3.358		1772	736
3.377		40973	31718
3.406		2973	2865
3.444		7976	10913
3.478		2961	2109
3.518		24580	17281
3.537		7805	4369
3.57		1741	1577
3.586		3222	2268
3.636		37285	35992
3.674		3101	1950
3.697		26190	20770
3.723		2922	2403
3.749		5412	3402
3.796		28099	19411
3.812		23092	11761
3.825		19049	15780
3.864		28468	22094
3.885		4535	2541
3.925		36285	32034
3.966		3016	1949
3.995		1078992	955472
4.023		270965	260414
4.126		703345	648424
4.151		25354	15964
4.183		55330	44410
4.22		310653	296967
4.262		59938	54694
4.291		8539	9008
4.348		60382	58407
4.387		1409786	1199413
4.407		494049	294529
4.432		430875	349514
4.468		4177	3397
4.502		505282	492526

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RT A	Compound A	Height A	Area A
4.545		2518823	2908795
4.582		901855	846636
4.623		29064	19732
4.648		159671	146529
4.692		902634	939801
4.746		1619984	1687628
4.779		290087	209626
4.809		3075829	3200012
4.859		259109	335623
4.897		416449	393461
4.937		1003566	1250189
4.988		238164	240443
5.031		2428356	2870528
5.09		215778	201870
5.114		22351	11213
5.143		1406941	2363582
5.192		26648	18389
5.234		1903702	2180940
5.279		189551	165038
5.307		169376	225320
5.351		2387962	3360002
5.415		52763	35454
5.457		114735	152189
5.561		788918	1270375
5.611		2902	1305
5.642		118092	141732
5.676		69896	72450
5.717		10828	8841
5.76		517016	551279
5.786		42113	26162
5.818		384834	400479
5.853		20869	205787
6.026		296475	408333
6.057		37909	36411
6.213		51447	65134
6.273		17940	18154
6.456		25889	48908
6.559		1114	658
6.582		1875	1269
6.659		49211	61883
6.808	DCB	5640959	7065164
6.918		3532	3337
6.985		17864	24497
7.09		2163	3154
7.153		6505	13519
7.22		6563	13141
7.297		3317	4059
7.332		1394	764
7.406		1626	801
7.458		1623	2496
7.532		1465	1112
7.69		9604	17323
7.839		1157	214
7.883		3911	6188
7.938		7880	15407
8.051		1250	2327
8.108		1415	792
8.181		1887	1545
8.238		1186	794
8.289		1329	643
8.461		1572	912
8.498		1781	826
8.598		1628	3489
8.638		1018	439

ASX67 0448

LANCASTER LABORATORIES

Sample Number: AR5431224A AAAR543AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:33:50 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0018.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.516		12928	7815
2.548		40599	84045
2.629		107113	314551
2.691		89409	143031
2.728		83107	133422
2.766		68865	103138
2.844	TCX	62207420	42835420
2.923		11574	5031
2.949		10751	8154
2.969		75586	124795
3.04		7415	65739
3.051		10014	4547
3.071		757523	524283
3.102		15891	11323
3.136		96999	71673
3.192		159839	124535
3.229		13730	10703
3.256		16705	21833
3.3		25488	24518
3.323		24237	23951
3.351		173913	260795
3.412		6061	6921
3.426		24584	18937
3.453		23233	13769
3.478		138046	117130
3.52		4669	4520
3.547		86315	45484
3.566		288675	247550
3.609		29105	27356
3.63		329135	378904
3.66		62605	32140
3.676		70721	40995
3.755		171997	133393
3.789		5867656	4557496
3.815		1594109	1064878
3.835		127512	63775
3.886		28840	33559
3.929		3882626	2981905
3.956		332559	234254
3.979		294321	286312
4.029		1688319	1500095
4.076		387345	414568
4.116		247886	217886
4.148		1159781	760034
4.172		15292510	12251190
4.199		1269985	818596
4.222		831549	470940
4.239		2173661	1513833
4.278		14193110	12262040
4.314		5127732	4022232
4.337		2797802	2105984
4.4		1027942	878889
4.438		5407026	5250214
4.5		11413090	10907160

ASX67 0449

RT B	Compound B	Height B	Area B
4.537		2281216	1824762
4.565		19573620	18113810
4.606		1454244	1664899
4.664		8614296	9757307
4.702		1528678	1335948
4.738		16091880	14030070
4.763		1691084	1201768
4.808		10253280	9852346
4.84		444672	310013
4.92		8433039	8816055
4.976		10142780	10052640
5.017		2419886	2413077
5.06		15942720	19699750
5.111		887037	622330
5.132		358076	244417
5.201		216063	239383
5.252		1014873	1088178
5.29		715576	552086
5.317		4360472	4179772
5.366		640368	627830
5.402		449031	397051
5.428		197598	155726
5.463		2110868	1712745
5.483		1175192	837661
5.672		204631	196042
5.696		58157	50141
5.745		2274463	5481536
5.906		306467	398519
5.944		150993	156899
5.985		23026	27925
6.024		53612	61175
6.128		138318	319118
6.33		272251	299392
6.493	DCB	40277440	44171850
6.839		39104	40901
6.91		90339	135473
7.046		10808	11574
7.144		25645	49331
7.301		5264	3348
7.37		48678	69002
7.909		6715	2844
8		6334	8371
8.175		6473	5532
8.254		4536	4399
8.332		4785	2933
8.456		6187	8224
8.56		5585	1909

ASX67 0158

AR5431224A AAAR543AA ICAL 1218699999 SW-846 8082

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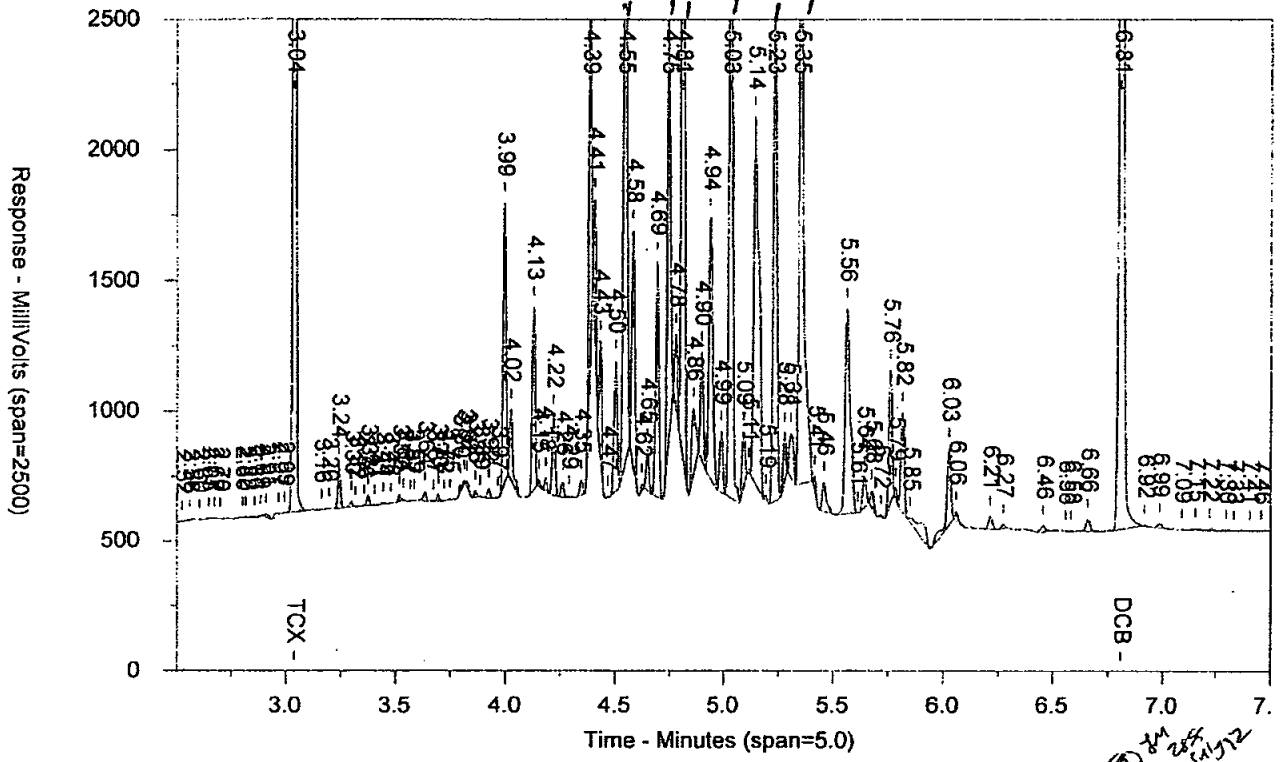

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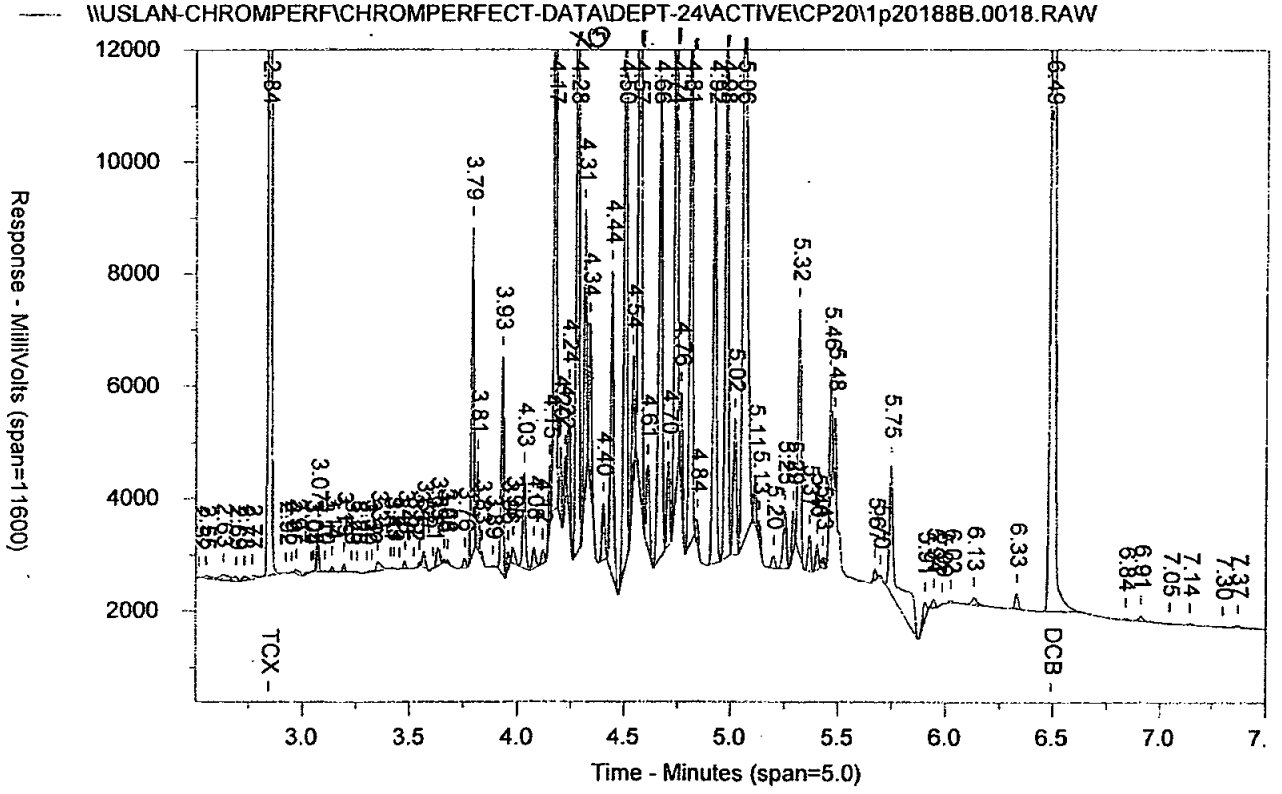

ASX67 0451

LANCASTER LABORATORIES

Sample Number: AR5431224A AAAR543AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 10:33:50 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10661170	41.29	TCX	2.844	62207420	41.595	TCX
6.808	5640959	39.158	DCB	6.493	40277440	38.483	DCB

Files:
Area File: 1p20188.0018.RAW
Area File: 1p20188B.0018.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 10:42:31 AM
File Reported On: 7/8/2012 at 3:38:03 PM

ASX67 0452

AR5431224A AAAR543AA ICAL 1218699999 SW-846 8082

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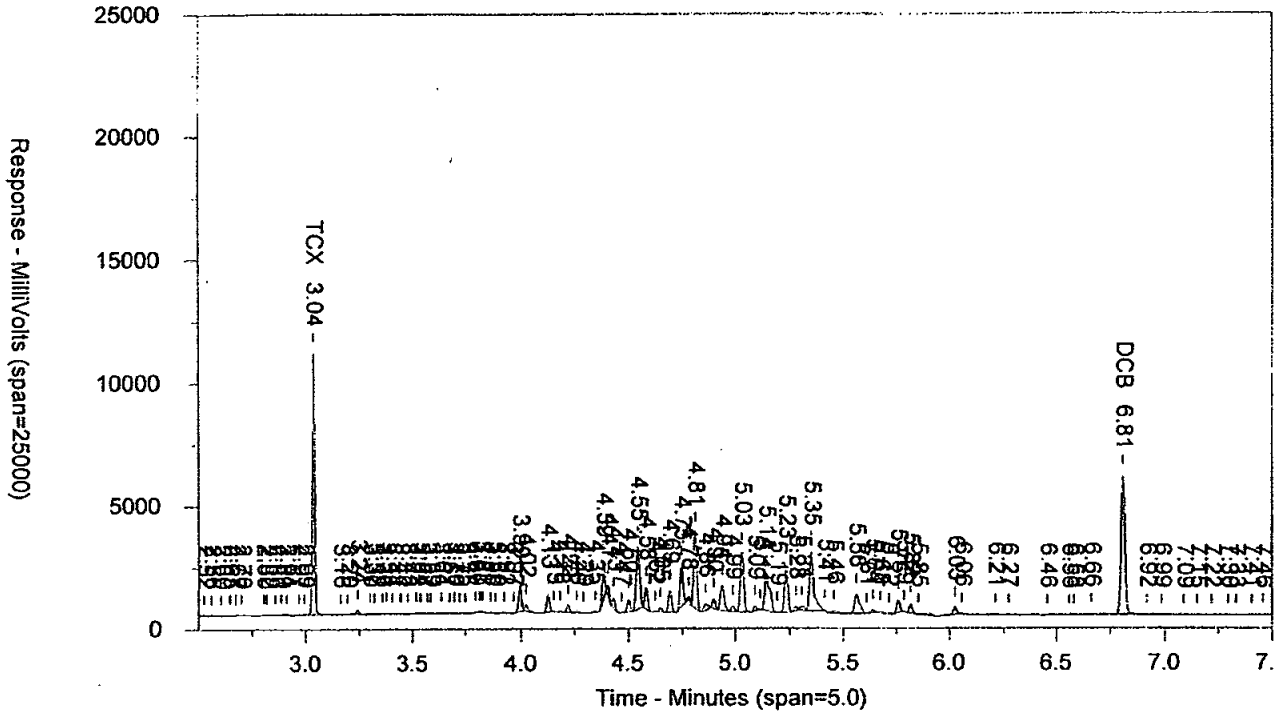

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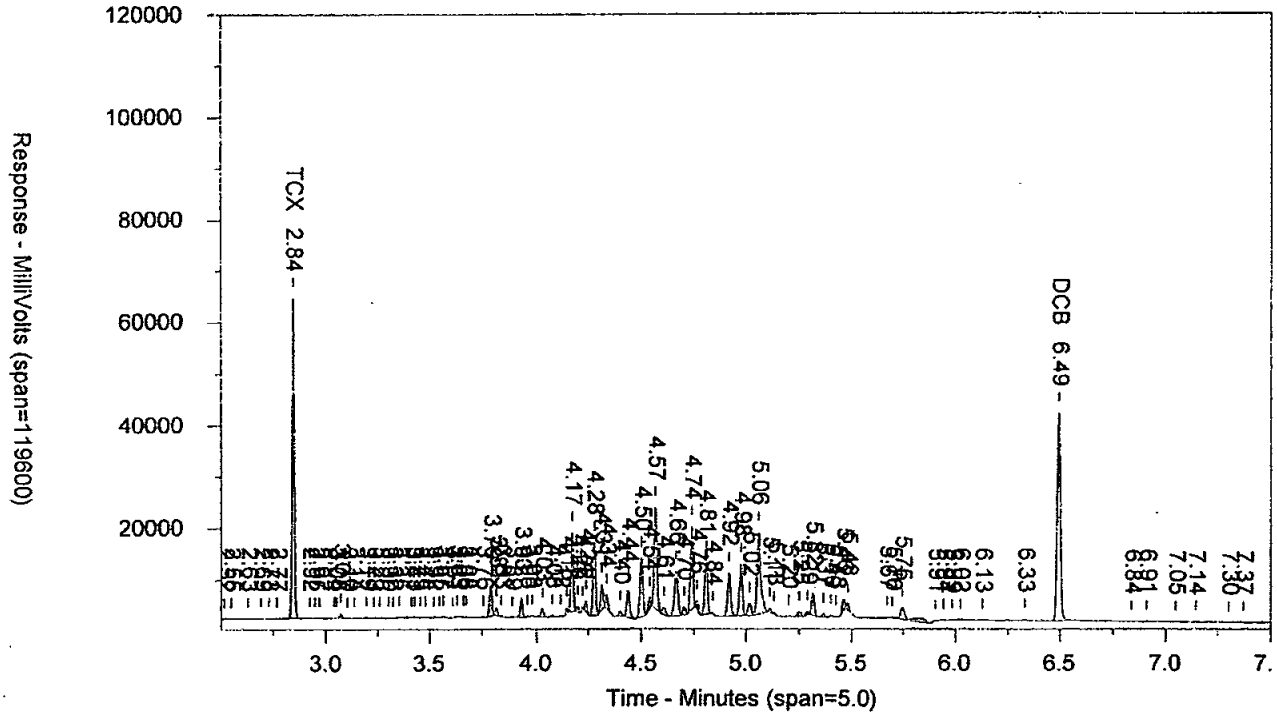

ASX67 0453

LANCASTER LABORATORIES

Sample Number: AR5441224A AAAR544AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:45:13 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0019.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.524		3114	3307
2.582		8059	22987
2.632		4113	6706
2.647		9951	16471
2.696		4003	2628
2.751		4372	2879
2.776		1368	1062
2.789		2101	1315
2.864		2468	2133
2.89		3173	4126
2.909		6047	6057
2.952		2677	2103
2.974		1588	1691
2.995		2844	2018
3.037	TCX	15649560	11771550
3.126		3274	1990
3.151		8507	6849
3.19		5238	5694
3.241		236778	188422
3.299		39785	34623
3.375		56241	46566
3.397		2828	2378
3.442		8117	11057
3.494		2753	4330
3.518		47966	31536
3.536		16514	8784
3.574		6384	9082
3.636		63482	57515
3.669		6099	4076
3.695		38009	29280
3.749		9456	7166
3.767		2460	1280
3.812		51003	32321
3.825		45543	34407
3.864		63091	56382
3.924		68130	62276
3.967		5390	2842
3.994		2028332	1744684
4.022		507258	392461
4.045		46073	29281
4.094		2723	1432
4.124		1279706	1189158
4.15		56886	34116
4.182		108217	89335
4.219		586972	552887
4.26		113049	104809
4.291		14308	15115
4.347		105914	103627
4.385		2641469	2276575
4.406		952263	575221
4.431		794341	665891
4.501		910172	910915
4.545		4576559	5356466
4.581		1590951	1543539

ASX67 0454

RT A	Compound A	Height A	Area A
4.623		48808	36742
4.647		292304	268731
4.691		1582316	1723489
4.744		3080250	3151133
4.777		586178	418543
4.809		5811924	5946054
4.858		451684	616426
4.896		816583	720631
4.936		1909423	2274309
4.987		447475	445350
5.029		4494852	5090448
5.06		37550	18605
5.089		425331	397747
5.114		32597	17008
5.141		2448761	4299368
5.192		42684	32406
5.233		3520122	4059899
5.277		348048	300741
5.302		285742	412820
5.35		4578937	6237646
5.413		91107	64810
5.457		200249	286992
5.56		1500164	2342393
5.638		187693	204686
5.676		158028	168513
5.716		23331	21530
5.76		990311	1015092
5.786		69927	44101
5.817		693433	735434
5.855		33734	201935
6.026		531149	593254
6.056		72994	72920
6.116		3097	9301
6.214		73631	93965
6.271		32323	31902
6.295		9665	8131
6.374		8125	26253
6.454		39745	52932
6.502		3805	3696
6.558		1549	866
6.659		73253	89003
6.807	DCB	7945342	10169730
6.981		11419	17435
7.153		9503	17258
7.223		10991	22216
7.302		3638	5217
7.436		1974	3025
7.532		1194	812
7.626		2760	4853
7.688		12135	21481
7.761		1332	513
7.886		4678	7463
7.939		11479	21539
8.379		1251	485
8.462		1290	899
8.505		1201	830
8.536		1601	570
8.569		1272	557
8.622		1135	1535
8.657		1465	817

LANCASTER LABORATORIES

Sample Number: AR5441224A AAAR544AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:45:13 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0019.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.516		17824	15125
2.551		31955	25482
2.581		44656	44571
2.628		50599	82620
2.691		13231	12969
2.725		53478	80741
2.769		39238	38700
2.788		9646	5548
2.813		15352	9007
2.845	TCX	92652770	63748030
2.939		7824	4747
2.969		26742	16180
2.987		52626	31637
3.016		47536	42757
3.049		14291	7388
3.071		1175448	814769
3.108		12945	5278
3.137		178843	128084
3.192		252923	169071
3.229		52028	110520
3.297		31589	25210
3.324		18253	11825
3.35		310679	411106
3.404		26443	18395
3.451		31006	19391
3.478		256989	214116
3.515		12217	6736
3.547		145729	85524
3.564		107911	118318
3.629		276807	159538
3.639		158931	80356
3.661		138673	68176
3.677		149513	80007
3.755		344794	268906
3.788		11570250	8723330
3.814		2983581	2022342
3.835		273539	137072
3.887		34567	43201
3.929		7543639	5784752
3.955		495159	311294
3.978		582728	485635
4.029		3118403	2773732
4.075		681747	651836
4.117		482939	434525
4.148		2257424	1470910
4.172		30437720	24109990
4.199		2670625	1667751
4.221		1640093	883274
4.239		4362935	3029947
4.278		27726990	23921120
4.313		9938347	7739900
4.336		5482569	4056565
4.4		1918089	1734351
4.438		9988152	9254530

ASX67 8456

RT B	Compound B	Height B	Area B
4.499		21738040	20578710
4.536		4908412	3772269
4.565		38117640	35554150
4.606		2766641	3017038
4.664		16721210	18787350
4.703		2820389	2509591
4.738		31700800	27809290
4.763		3201740	2206216
4.808		20369570	19218290
4.839		889516	643168
4.888		11844	5996
4.92		16250920	17122570
4.976		20277840	19865120
5.017		4801230	4594219
5.059		32534390	38830460
5.111		1703523	1176021
5.132		711541	481813
5.2		457126	482070
5.252		1950908	2175550
5.29		1304731	1050129
5.317		8396054	8041441
5.365		1320923	1245348
5.402		921945	799144
5.428		384562	308652
5.463		4461102	3474383
5.482		2243025	1572272
5.556		54366	57724
5.617		12314	17730
5.673		66590	60884
5.697		139554	107501
5.744		4443024	8514973
5.905		442806	535399
5.945		230754	230055
6.024		151977	337612
6.126		197868	222289
6.229		11911	16317
6.329		401000	463114
6.494	DCB	56705700	61388060
6.731		10059	11287
6.84		62714	82460
6.911		71256	112314
7.152		18382	29805
7.368		81087	122533
7.481		5001	3954
7.526		25567	43694
7.595		33130	41341
7.939		8585	22972
8.024		4593	2108
8.135		8053	4322
8.397		5863	9113
8.456		6429	7294

ASX67 8457

AR5441224A AAAR544AA ICAL 1218699999 SW-846 8082

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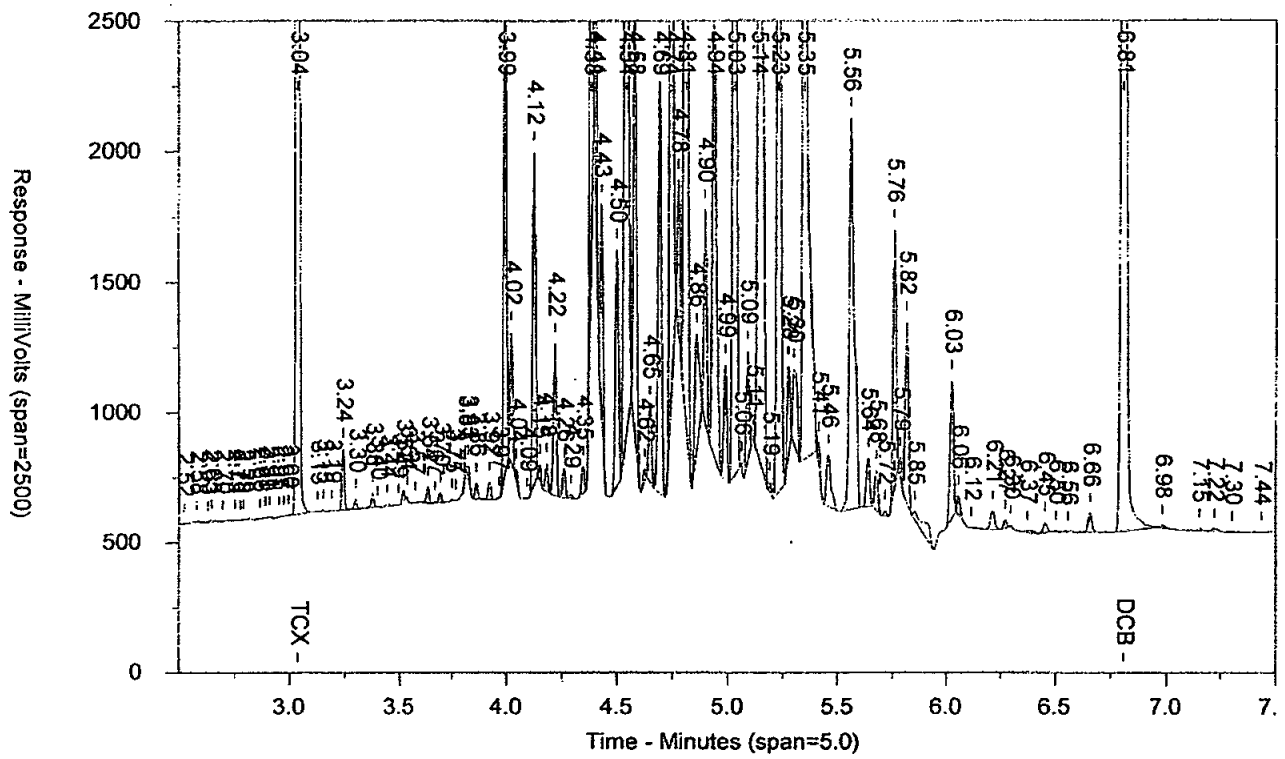

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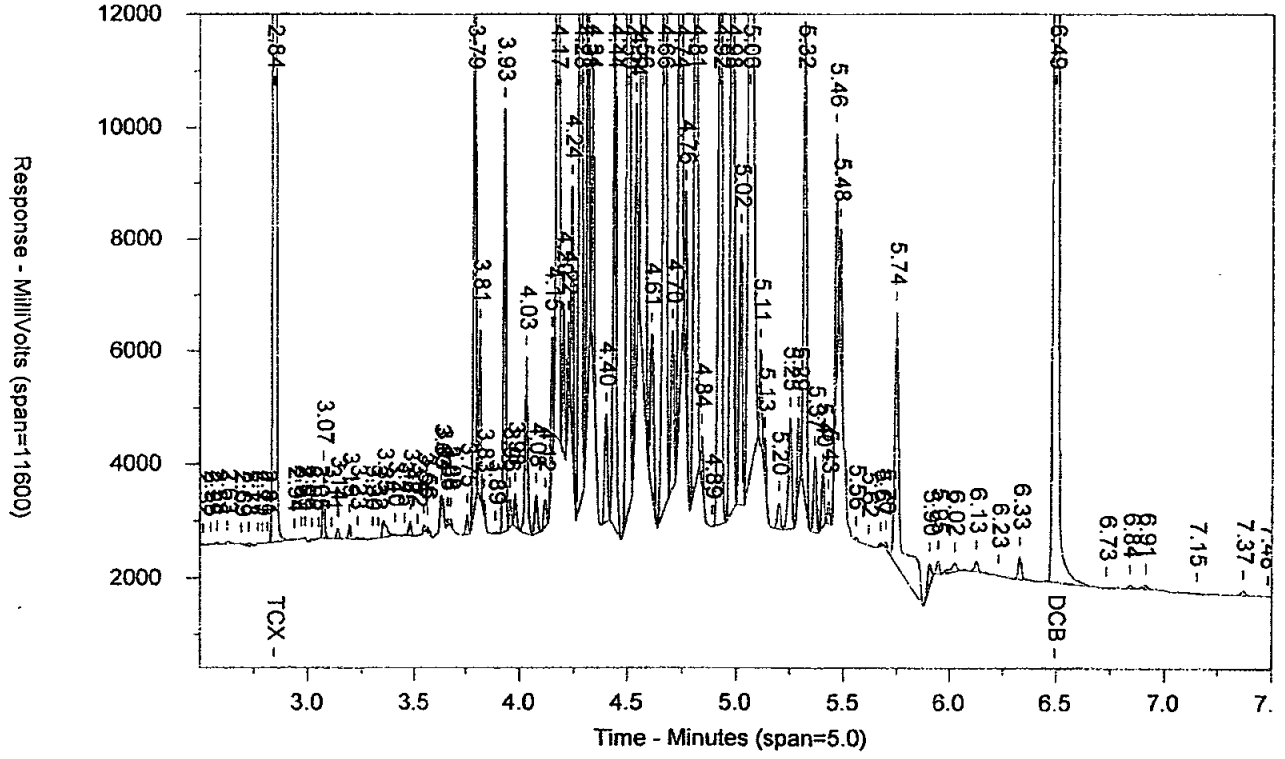

LANCASTER LABORATORIES

Sample Number: AR5441224A AAAR544AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 10:45:13 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	15649560	60.61	TCX	2.845	92652770	61.952	TCX
6.807	7945342	55.155	DCB	6.494	56705700	54.18	DCB

Files:
Area File: 1p20188.0019.RAW
Area File: 1p20188B.0019.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 10:53:55 AM
File Reported On: 7/8/2012 at 3:38:07 PM

AR5441224A AAAR544AA ICAL 1218699999 SW-846 8082

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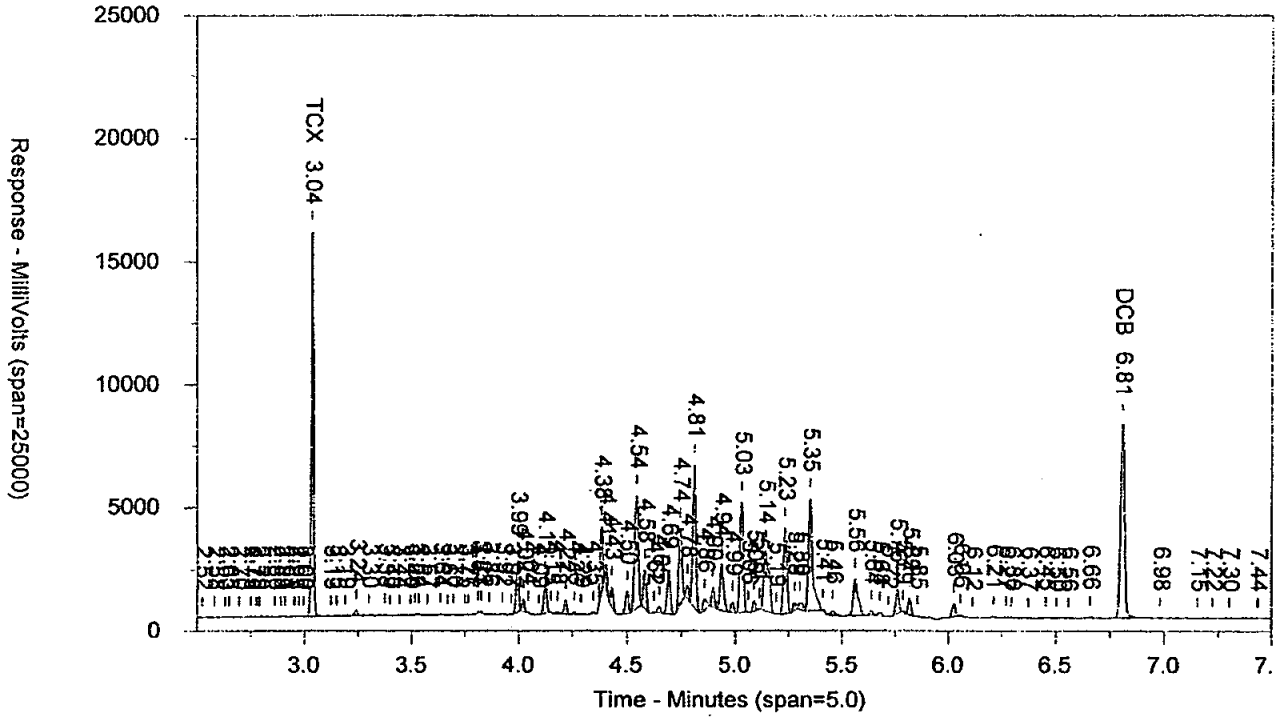

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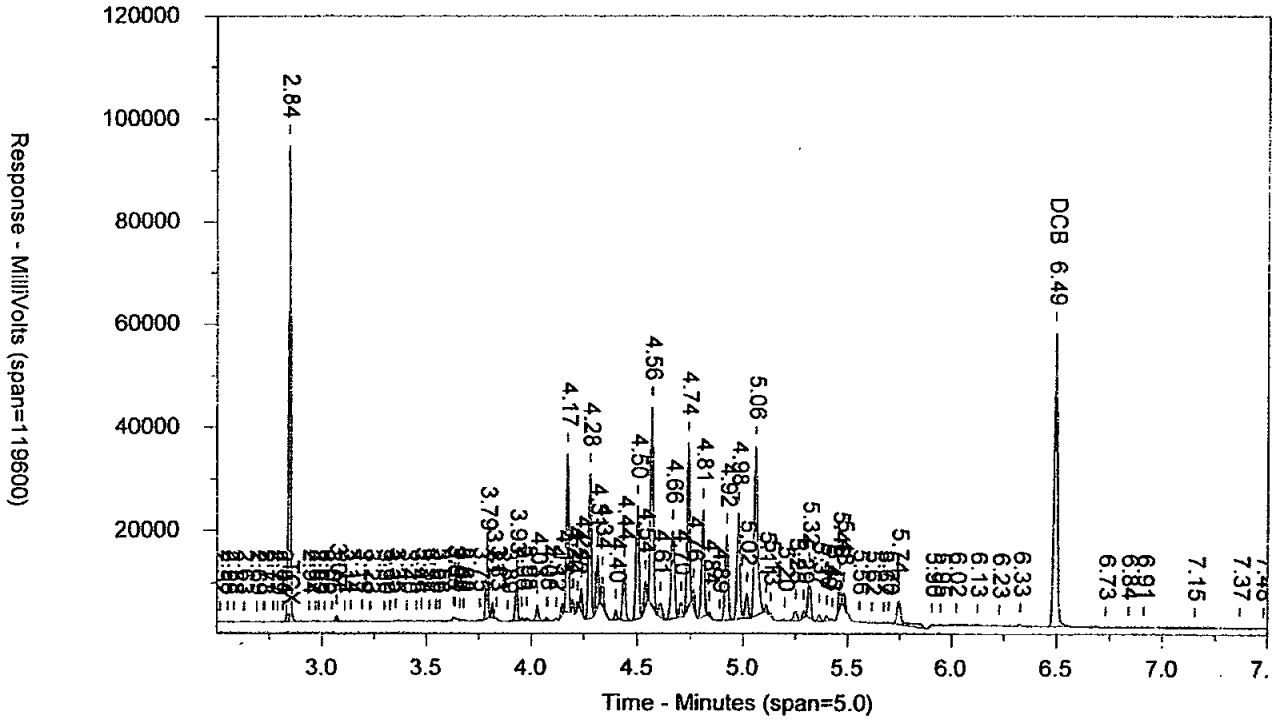

ASX67 8468

LANCASTER LABORATORIES

Sample Number: AR5451224A AAAR545AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:56:42 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0020.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.523		3015	2153
2.578		5241	13465
2.647		7879	8245
2.727		1945	885
2.751		26102	18557
2.777		1142	489
2.863		3100	1441
2.884		5439	4083
2.968		7676	15905
2.992		2205	1267
3.037	TCX	21040810	16124230
3.114		2702	2390
3.152		6157	5153
3.195		8504	9674
3.241		321202	252457
3.299		76677	59678
3.375		80413	75936
3.448		6663	8895
3.492		4696	4434
3.518		89422	61519
3.535		33081	17988
3.573		11235	12854
3.606		3396	1448
3.636		112566	96385
3.668		7393	6124
3.695		54957	39554
3.715		2826	1598
3.749		21191	12857
3.764		8323	4211
3.813		89779	63254
3.826		85899	60330
3.863		124395	107836
3.925		135676	122675
3.967		8863	5768
3.994		3708790	3294857
4.022		938872	727618
4.046		83033	51186
4.125		2476980	2231156
4.15		113169	72078
4.182		204614	174975
4.219		1087222	1042486
4.261		211022	197859
4.292		27746	25927
4.347		198000	190717
4.385		5135555	4239622
4.406		1728295	1069994
4.431		1586790	1300583
4.501		1746150	1685170
4.545		9059825	10110480
4.581		2971193	2868496
4.624		86141	67038
4.647		560841	502300
4.692		3013579	3218004
4.745		5982267	6030134

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RT A	Compound A	Height A	Area A
4.777		1008997	741526
4.808		11344880	11375710
4.857		904389	1126283
4.896		1468148	1337900
4.936		3520132	4222327
4.987		832737	818359
5.03		8942563	9682103
5.061		56695	26318
5.088		741920	713478
5.113		67703	33995
5.141		4692390	8119144
5.192		83580	63287
5.233		6853581	7771920
5.277		639779	571158
5.303		534409	766918
5.35		9119452	11952950
5.413		156172	111503
5.457		380848	519477
5.56		2841168	4402002
5.611		9265	3983
5.637		332786	365509
5.676		282370	303980
5.717		43271	40085
5.76		1853327	1932084
5.786		143469	84630
5.816		1281296	1365103
5.856		55242	202895
5.979		41771	70728
6.026		1006229	1094414
6.056		141831	135825
6.125		5886	10863
6.214		100254	130087
6.272		58239	58232
6.297		17333	15586
6.368		8078	25781
6.456		71142	87534
6.5		4350	4562
6.581		1665	913
6.659		99740	128954
6.808	DCB	10332540	13407680
6.916		5051	3768
6.984		20204	27185
7.104		1405	584
7.117		2278	932
7.153		13775	22209
7.217		12170	24505
7.304		4401	5595
7.438		1337	655
7.55		2768	5375
7.64		2067	4329
7.686		15589	24688
7.758		2004	2296
7.88		6132	10588
7.937		14979	29812
8.137		1277	1220
8.217		1110	615
8.296		1652	635
8.333		1931	1073
8.432		1684	1998
8.451		1529	1573
8.556		1722	3337
8.615		2852	8156

LANCASTER LABORATORIES

Sample Number: AR5451224A AAAR545AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 10:56:42 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0020.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		15408	16112
2.564		31121	55293
2.582		160878	122096
2.615		32719	22172
2.63		67456	97642
2.725		76150	120851
2.766		71428	97935
2.815		8849	5022
2.844	TCX	121371000	85657260
2.968		26778	13462
2.985		66727	52237
3.017		77339	74793
3.071		1568993	1156181
3.136		361430	257775
3.167		12528	7310
3.192		327530	218313
3.226		54476	58443
3.252		44101	35961
3.297		27032	19231
3.319		24219	18232
3.35		596165	695340
3.404		57500	42045
3.429		16535	11628
3.451		45679	25602
3.478		499810	406055
3.511		22215	13143
3.546		194056	108212
3.562		125461	143557
3.629		1287387	1517166
3.661		287183	135365
3.676		318430	175502
3.754		699262	505265
3.788		22669210	16649330
3.814		5663357	3796560
3.835		518816	269700
3.885		36951	36035
3.929		14202450	11051740
3.956		847805	529811
3.978		1157420	953348
4.029		6091307	5178020
4.076		1243182	1124488
4.116		982953	875180
4.148		4341391	2773125
4.172		59496070	46585350
4.199		5010503	3195673
4.222		2648674	1493277
4.239		8097360	5537276
4.278		53669000	46222000
4.313		19468610	15073050
4.336		10810770	7945062
4.4		3693279	3252839
4.437		19133800	17491470
4.5		42645420	40052820
4.537		9549764	7169871

ASX67 0463

RT B	Compound B	Height B	Area B
4.565		75531610	69471610
4.606		5102260	5729770
4.664		32815300	36425180
4.702		5476341	4788538
4.738		64282020	54882290
4.763		6253123	4248622
4.808		39320880	37793090
4.839		1644676	1191203
4.92		32364630	33794140
4.976		41536160	39168580
5.017		9028508	8809266
5.059		63847410	76709900
5.111		3273764	2251440
5.132		1248866	876098
5.199		905209	975224
5.252		3831939	4179141
5.29		2631903	1994526
5.317		16990800	15901850
5.365		2394073	2392259
5.402		1726435	1485758
5.428		678516	547300
5.463		9429237	7111219
5.482		4850416	3278415
5.555		89151	107935
5.672		147072	135114
5.697		263974	209182
5.745		8652165	13221190
5.904		565883	667400
5.945		368413	372088
5.994		13758	33680
6.024		243877	316494
6.127		368225	403120
6.159		15580	12849
6.33		608367	647601
6.493	DCB	80829890	89709770
6.681		32635	31928
6.839		80378	96791
6.909		115414	192075
6.956		15565	46866
7.101		10664	13505
7.15		26907	39311
7.368		95732	167986
7.532		33394	47851
7.595		43246	59957
7.744		29274	52683
7.932		13560	24592
8.097		7462	8801
8.176		5403	5129
8.322		8701	16532
8.435		5031	4878
8.612		6332	2528
8.676		8652	6103

ASX67 8464

AR5451224A AAAR545AA ICAL 1218699999 SW-846 8082

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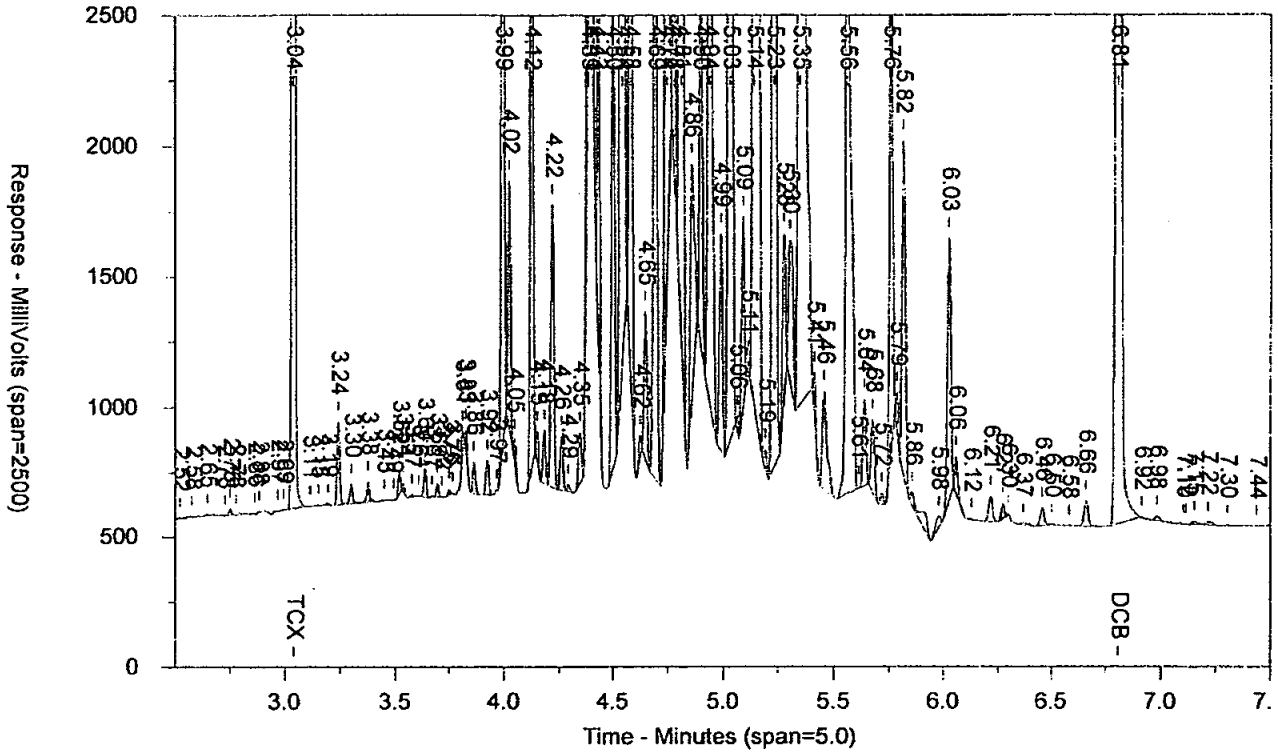

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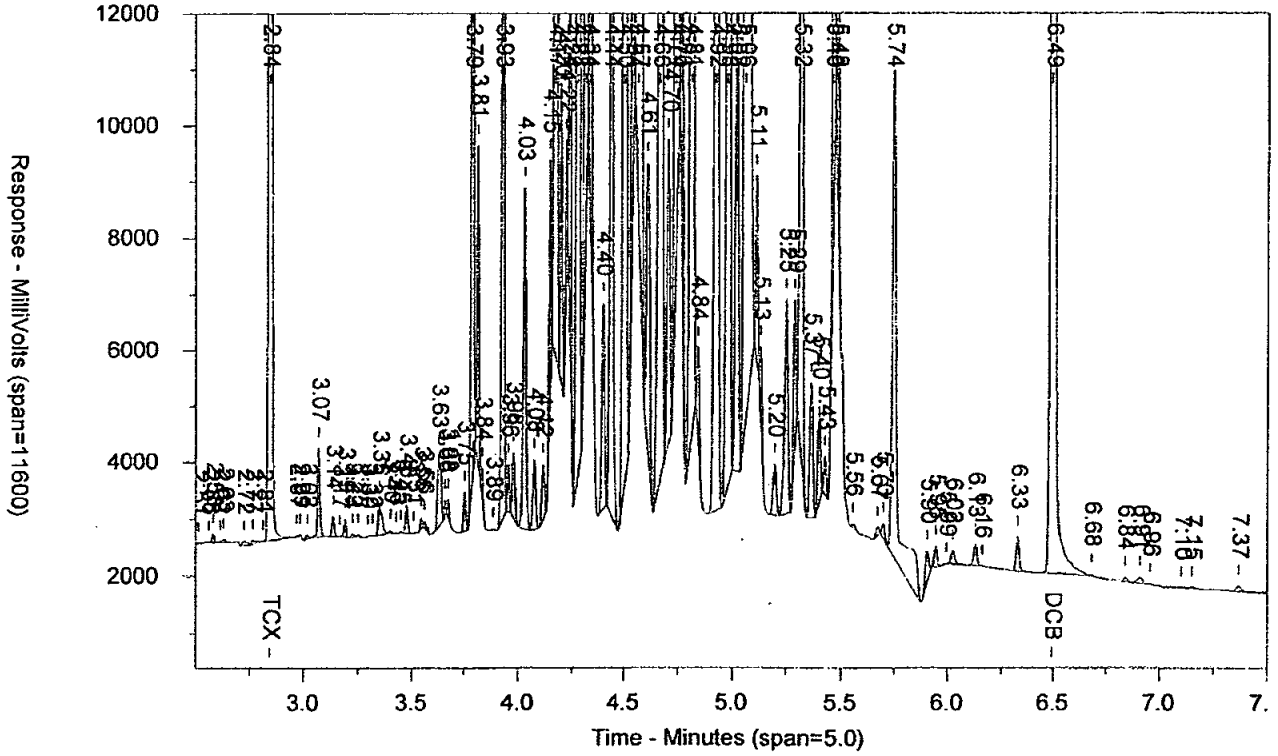

ASX67 0465

LANCASTER LABORATORIES

Sample Number: AR5451224A AAAR545AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 10:56:42 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	21040810	81.49	TCX	2.844	121371000	81.154	TCX
6.808	10332540	71.726	DCB	6.493	80829890	77.23	DCB

Files:
Area File: 1p20188.0020.RAW
Area File: 1p20188B.0020.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 11:05:26 AM
File Reported On: 7/8/2012 at 3:38:13 PM

ASX67 9465

AR5451224A AAAR545AA ICAL 1218699999 SW-846 8082

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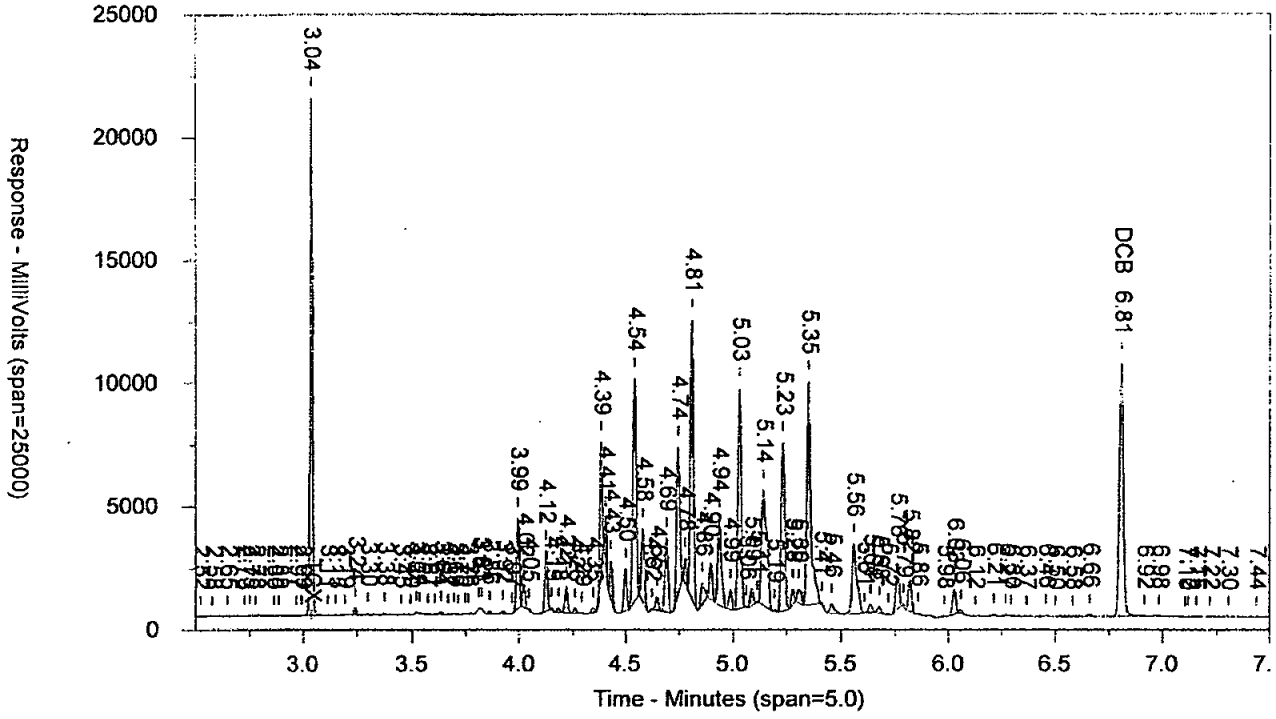

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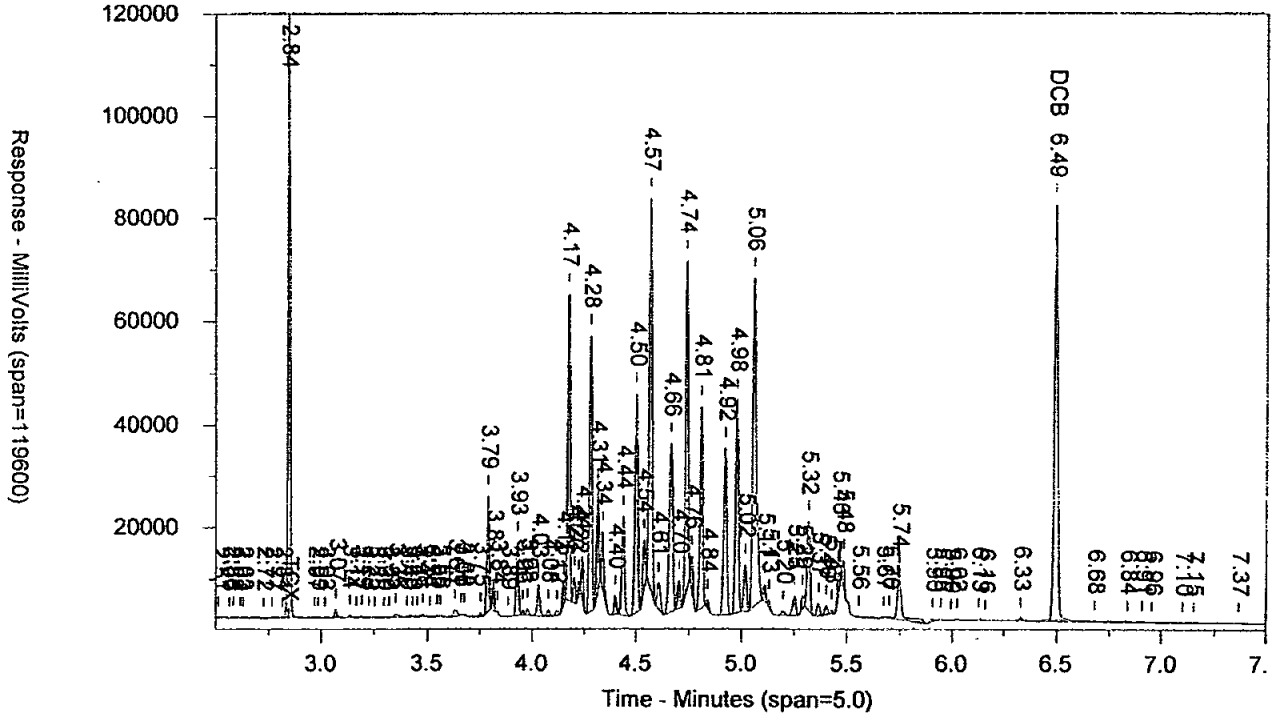

ASX67 847

LANCASTER LABORATORIES

Sample Number: AR6231224A AAAR623AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:08:04 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0021.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.523		2754	1459
2.576		7971	22105
2.626		4932	3509
2.645		10073	9588
2.662		9481	12471
2.718		1333	542
2.749		3923	2211
2.769		2372	1431
2.803		1552	663
2.817		3409	3151
2.86		3464	3880
2.886		2777	2335
2.907		4676	3217
2.972		6092	15426
2.994		3245	1871
3.036	TCX	4205	3216
3.061		16210	14928
3.114		1235	563
3.125		3554	2174
3.16		1343	1194
3.192		5688	8438
3.248		6775	7239
3.298		33093	28691
3.354		2208	1450
3.373		11949	9840
3.399		3014	2965
3.444		8214	9622
3.479		2284	2000
3.492		3046	1705
3.518		30036	20562
3.536		12276	6719
3.587		4420	6942
3.636		48786	46906
3.669		9021	11395
3.717		4108	3132
3.747		8619	6365
3.79		8739	5534
3.824		74524	95706
3.862		47237	41098
3.925		42638	37781
3.966		4177	2691
3.994		42891	34284
4.037		38852	63439
4.098		1958	1200
4.124		37914	32339
4.152		5228	2961
4.168		12279	18347
4.219		35357	36118
4.261		10286	9376
4.29		2389	1732
4.305		4007	2514
4.349		16397	16087
4.385		306753	326439
4.427		34924	26603

ASX67 8468

RT A	Compound A	Height A	Area A
4.468		11275	20498
4.502		28636	27430
4.545		352189	383066
4.581		16184	11557
4.622		5733	4023
4.648		8052	7133
4.692		27605	31520
4.762		278825	349341
4.808		153375	160599
4.857		1028341	1234693
4.895		139349	111641
4.936		1499095	1732149
4.986		8213	6235
5.028		128115	155594
5.06		5610	2788
5.089		218808	240397
5.141		1984814	2497841
5.193		779741	810415
5.234		785753	1170782
5.315		66159	62946
5.349		1595047	1900184
5.414		2583948	2994307
5.457		1144988	1274491
5.553		251454	237632
5.578		1785574	2058659
5.638		812481	980950
5.676		193995	159127
5.721		94713	102974
5.761		395592	444277
5.818		4866603	6477403
6.022		2715133	3224051
6.078		1496692	2462328
6.212		160681	192016
6.298		728054	994982
6.359		2912	3629
6.455		1638266	1966447
6.5		87956	93863
6.603		1619	1056
6.658		615707	770180
6.808	DCB	18373	23843
6.886		10621	17572
6.984		43459	76062
7.174		4974	6692
7.227		7233	15269
7.367		1871	1983
7.423		2092	634
7.558		3350	5606
7.617		11202	32102
7.722		1870	1641
7.751		1519	1837
7.824		1476	1539
7.863		1864	1607
8.042		2216	1039
8.08		8283	20091
8.201		1770	1130
8.293		1064	2014
8.43		1999	3507
8.517		1222	852
8.608		6339	20953

LANCASTER LABORATORIES

Sample Number: AR6231224A AAAR623AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:08:04 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0021.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.52		17634	17503
2.544		60958	65440
2.584		121697	261451
2.629		125886	343472
2.696		79732	121485
2.725		81983	118235
2.767		29357	27604
2.786		14225	8586
2.814		14558	9143
2.844	TCX	16464	17206
2.88		10814	6449
2.925		15233	12255
2.947		7948	7740
2.968		37460	21334
2.984		47103	32472
3.02		27655	33756
3.055		33054	37185
3.086		29787	42323
3.137		146539	107344
3.193		24437	44863
3.226		47627	88456
3.299		18375	16727
3.322		25963	24952
3.35		140726	87218
3.406		26075	25012
3.455		16563	10458
3.478		191311	153637
3.539		10693	2554
3.564		159673	216865
3.609		57459	44172
3.64		388678	449619
3.676		182024	164620
3.754		203822	169724
3.788		193698	141475
3.816		138546	95146
3.835		48571	29961
3.89		52112	52819
3.927		412926	381235
3.961		60574	116948
3.991		119490	114954
4.029		203005	286593
4.074		175827	246339
4.124		21105	16457
4.148		77625	50600
4.172		1656952	1311300
4.196		114059	103978
4.241		164735	172495
4.278		1957540	1741373
4.317		171245	154102
4.336		21237	8257
4.35		43756	27513
4.413		14895	29247
4.438		249329	421112
4.499		501950	674332

ASX67 8478

RT B	Compound B	Height B	Area B
4.548		982779	755347
4.578		6501771	5733080
4.609		1529326	1669347
4.663		9996830	9636031
4.711		78259	69551
4.738		338684	248687
4.761		1467424	1164330
4.808		14571110	14737910
4.923		12087130	12493290
4.982		1832222	1865719
5.02		4306725	4213974
5.059		6814389	6721808
5.092		21431780	20649150
5.133		9052635	8535899
5.239		4246874	4297667
5.29		16767230	17959230
5.365		7403491	8636714
5.402		1744023	1408348
5.427		1808599	1609707
5.483		41940710	41388180
5.525		374194	292589
5.561		2432287	2491655
5.677		171040	214594
5.7		14992210	14969450
5.748		25940790	30663110
5.903		932115	1000977
5.945		140352	115870
5.973		534012	502645
6.023		4612657	4854797
6.126		11610910	11787730
6.158		303400	235069
6.329		3934118	4497861
6.492	DCB	105996	106593
6.617		65642	121760
6.684		29055	43136
6.853		75532	127015
6.91		168974	228982
7		15460	13410
7.103		44024	75187
7.204		7223	2629
7.254		14189	22465
7.375		39371	86921
7.516		13083	17308
7.688		33466	74097
7.745		40440	71402
7.855		7999	12940
7.919		25765	64917
8.043		11081	21372
8.264		6451	5918
8.487		8190	26656
8.587		4560	5423
8.635		6521	16368

ASX67 9471

AR6231224A AAAR623AA ICAL 1218699999 SW-846 8082

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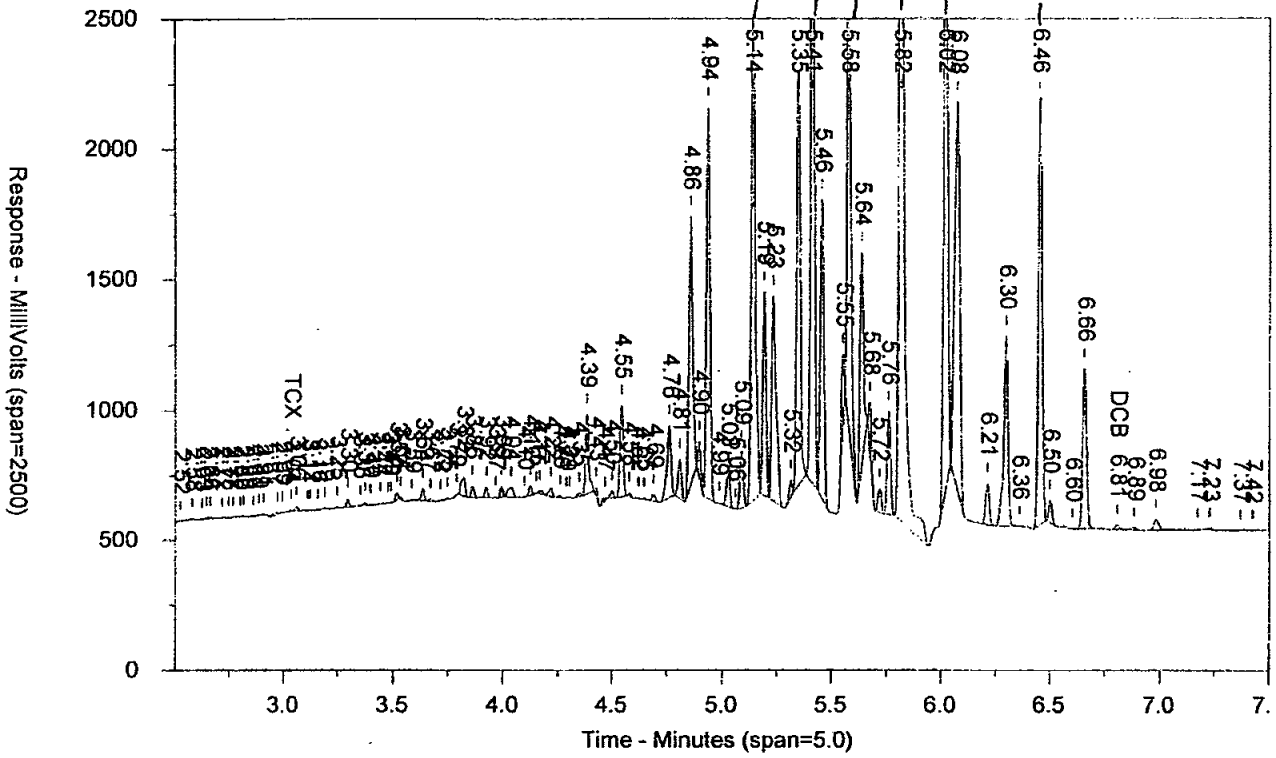

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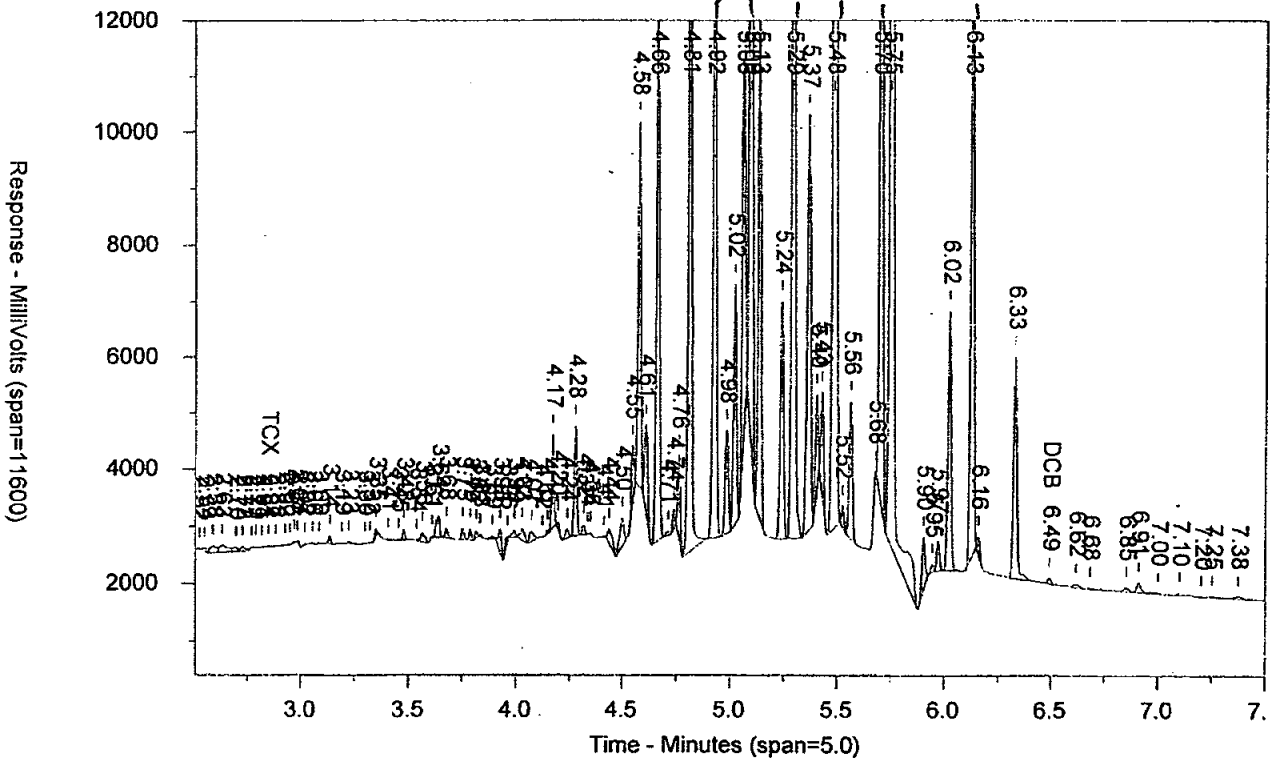

ASX67 0472

LANCASTER LABORATORIES

Sample Number: AR6231224A AAAR623AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 11:08:04 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.036	4205	.016	TCX	2.844	16464	.011	TCX
6.808	18373	.128	DCB	6.492	105996	.101	DCB

Files:
Area File: 1p20188.0021.RAW
Area File: 1p20188B.0021.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 11:16:47 AM
File Reported On: 7/8/2012 at 3:38:19 PM

ASX67 0473

AR6231224A AAAR623AA ICAL 1218699999 SW-846 8082

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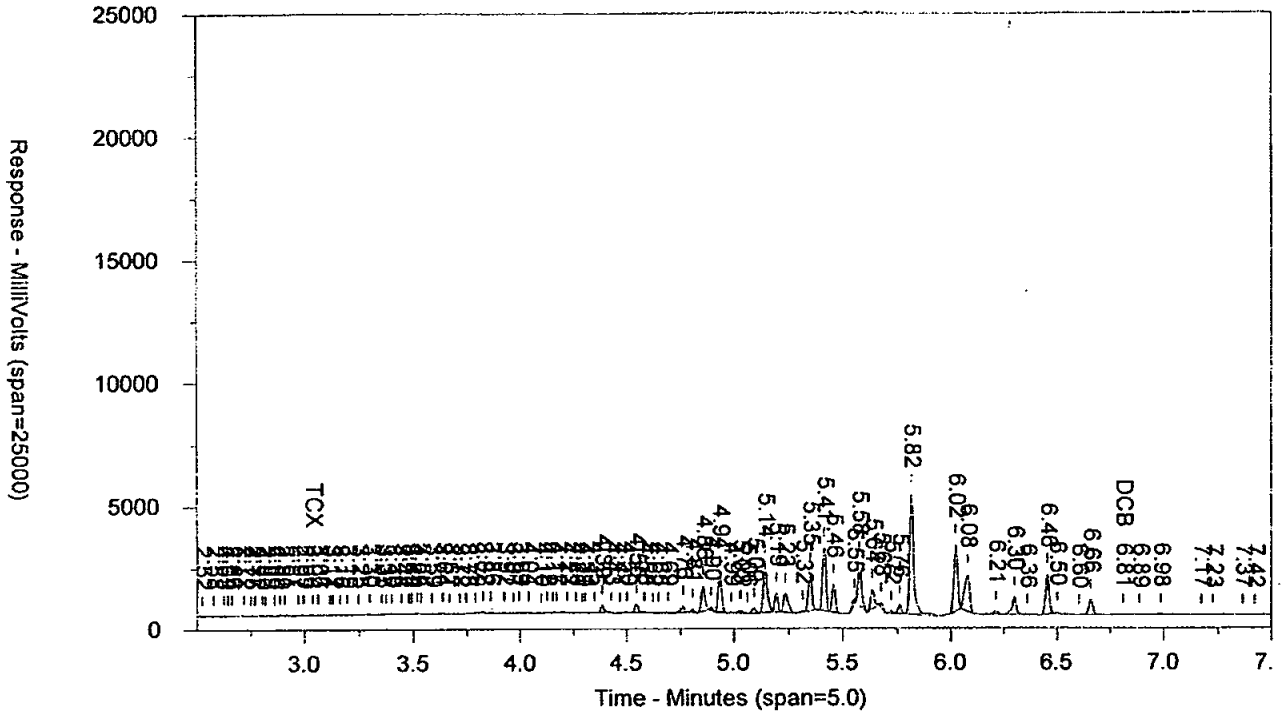

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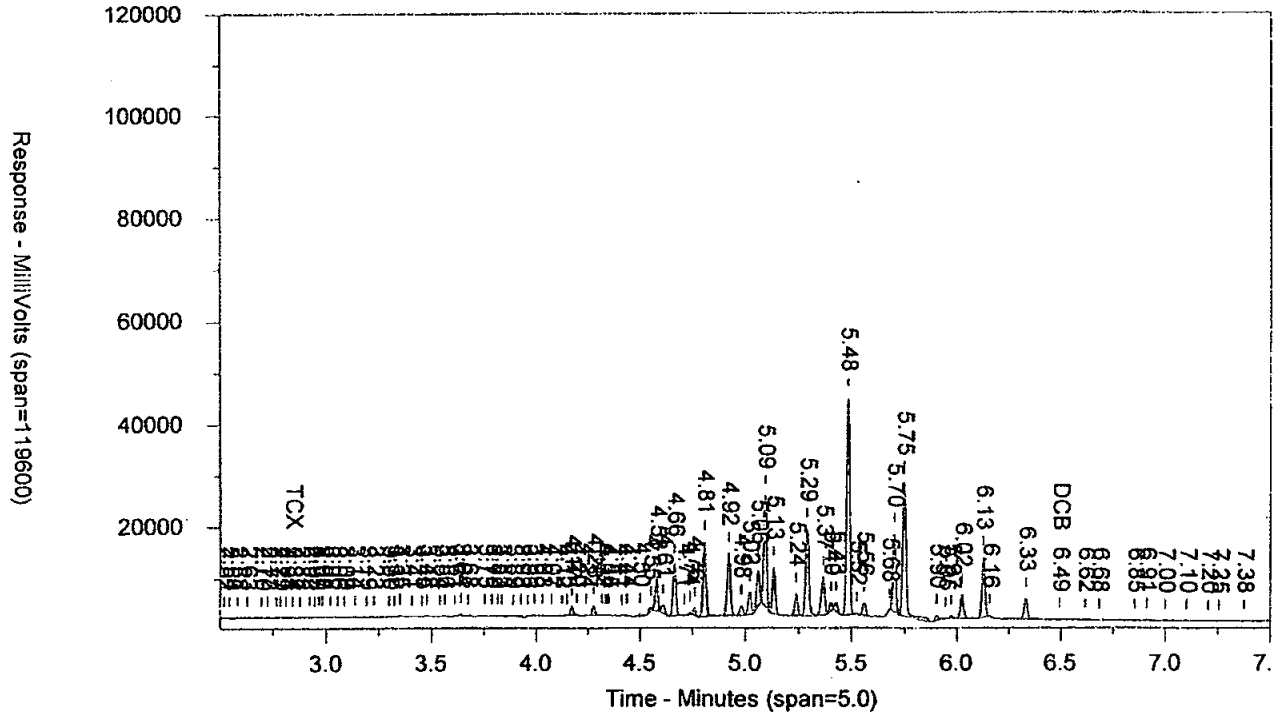

ASX67 0474

LANCASTER LABORATORIES

Sample Number: AR6831224A AAAR683AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:19:26 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0022.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.524		2061	1700
2.545		3301	2415
2.581		2961	5012
2.647		5495	9856
2.751		3457	2420
2.773		1935	1080
2.79		1501	658
2.818		2296	1067
2.86		3463	3337
2.886		2972	3025
2.91		4326	9112
2.96		3484	7499
2.995		3916	3643
3.037	TCX	3408	2916
3.06		15115	15271
3.108		1471	777
3.126		4216	2651
3.163		2102	2135
3.204		2094	3033
3.229		1561	901
3.253		2119	1437
3.3		5304	4609
3.357		1801	1403
3.375		12078	9791
3.409		4094	4148
3.443		8709	10402
3.498		3390	4407
3.519		9019	9736
3.565		2474	1452
3.587		5677	6131
3.636		18988	24242
3.67		8062	7039
3.722		2236	1866
3.794		7509	7481
3.814		5268	3290
3.825		9449	5127
3.864		11072	7844
3.899		1991	1049
3.926		12542	10647
3.954		1828	609
3.967		3579	1955
3.997		8909	6860
4.038		22252	38734
4.074		3139	1947
4.097		3158	2117
4.125		17239	13177
4.169		17970	27707
4.218		18729	19937
4.26		7648	6872
4.284		3499	2617
4.308		3189	2572
4.35		15592	19766
4.386		22623	15548
4.407		16060	10918

ASX67 0475

RT A	Compound A	Height A	Area A
4.429		27784	19640
4.476		1775	10727
4.519		2521	1519
4.541		23849	21166
4.561		7319	4833
4.583		2982	1461
4.596		3127	1864
4.653		3767	3407
4.687		7168	7976
4.744		8258	8059
4.793		46196	69121
4.857		8536	9080
4.895		10687	10415
4.949		3626	3558
5.03		22031	24109
5.061		8972	6889
5.101		17396	25094
5.139		30831	58967
5.195		72532	72150
5.231		20117	19603
5.287		2007	1051
5.346		39374	46809
5.414		1153669	1330935
5.456		71291	75515
5.552		40760	36581
5.595		1354117	1660058
5.658		449438	611525
5.722		21257	25342
5.817		455460	442915
5.839		141378	120923
6.021		5286044	6193753
6.08		4557099	5820456
6.212		4132724	5075814
6.277		1124988	1472218
6.455		1884288	2193765
6.531		8033	7845
6.658		11845630	14453140
6.75		6024	3319
6.807	DCB	2414298	3032705
6.883		8446	8300
6.983		22198	38992
7.15		6500	15012
7.319		1272	425
7.378		1617	669
7.409		1315	1497
7.566		3071	7187
7.629		3936	8667
7.742		2746	5492
7.854		1495	667
7.868		1853	648
7.982		1538	2527
8.003		1476	785
8.264		1574	1732
8.316		1909	4528
8.367		1479	804
8.438		1809	3207
8.485		1829	2790
8.606		2111	1961

ASX67 9-126

LANCASTER LABORATORIES

Sample Number: AR6831224A AAAR683AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:19:26 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0022.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.511		12009	4228
2.545		32482	35533
2.583		67747	99541
2.631		63306	130249
2.657		29434	23858
2.691		62697	76365
2.726		87395	133956
2.767		36236	27673
2.814		7286	3511
2.839	TCX	15958	9370
2.883		8152	9678
2.921		6864	4279
2.969		34357	18762
2.984		56507	46573
3.032		10931	41707
3.052		19944	27933
3.1		10348	7010
3.14		33783	34163
3.192		14839	29699
3.227		35672	39030
3.297		26927	18373
3.317		25294	20877
3.362		82889	173775
3.417		12292	16802
3.478		51292	62373
3.514		10096	6265
3.565		107148	146745
3.611		32019	32524
3.63		29459	16132
3.64		34897	15792
3.675		41489	47656
3.755		79539	80366
3.789		36298	23978
3.817		83181	55233
3.835		30949	24688
3.889		30251	29457
3.928		192613	149399
3.979		26491	216366
3.991		46709	27464
4.012		17948	9225
4.03		90586	117963
4.073		162020	242287
4.122		8215	4757
4.147		66200	46615
4.173		150981	110306
4.199		176886	163310
4.236		25216	22967
4.263		11727	5640
4.281		52515	50498
4.32		136042	124467
4.353		87114	94677
4.414		18032	8218
4.439		93319	187355
4.5		149223	291664

ASX67 0477

RT B	Compound B	Height B	Area B
4.537		22331	13149
4.566		130667	370363
4.667		88795	171513
4.703		18202	14230
4.739		271058	575074
4.791		205203	163341
4.81		113725	176273
4.892		21935	18800
4.925		500567	521080
4.977		114429	129841
5.02		225835	231677
5.059		17742	11655
5.092		8938371	9069771
5.133		469485	435966
5.239		364688	365995
5.288		11301660	11896260
5.356		3007585	3176920
5.418		136876	149300
5.484		4605603	4782523
5.562		2485567	2625566
5.641		17333	10176
5.701		48146390	50044390
5.749		41350340	44774060
5.904		27593160	28805400
5.972		7318865	7875444
6.023		618428	621811
6.126		13551260	14179400
6.254		42595	61273
6.33		94548210	99652410
6.493	DCB	16181690	18104470
6.681		45191	50515
6.792		15509	17350
6.841		56524	96067
6.909		88147	141614
7.106		15170	21449
7.145		19563	26351
7.379		15825	23664
7.518		11768	17292
7.56		19730	34658
7.626		6761	4862
7.69		13900	25915
7.745		40408	72619
7.926		17532	29151
8.239		5542	10805
8.45		4439	3552
8.612		5360	4005

AR6831224A AAAR683AA ICAL 1218699999 SW-846 8082

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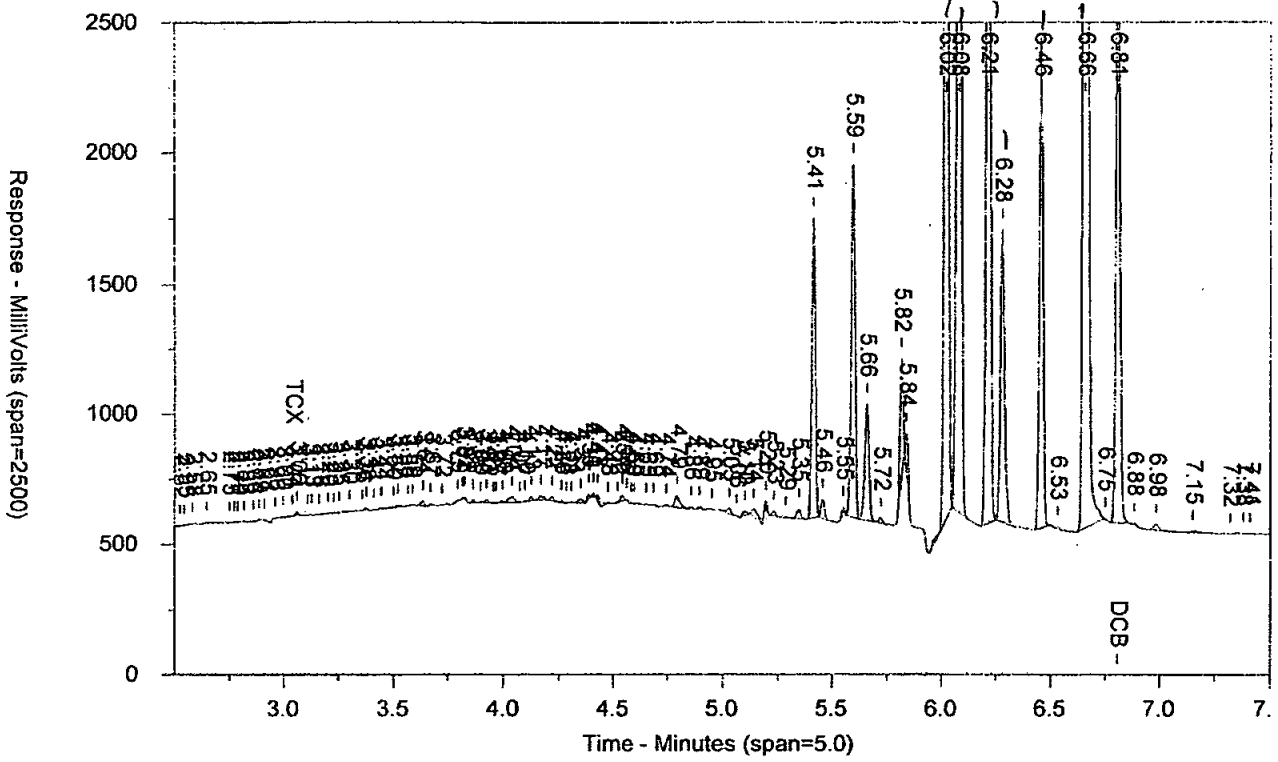

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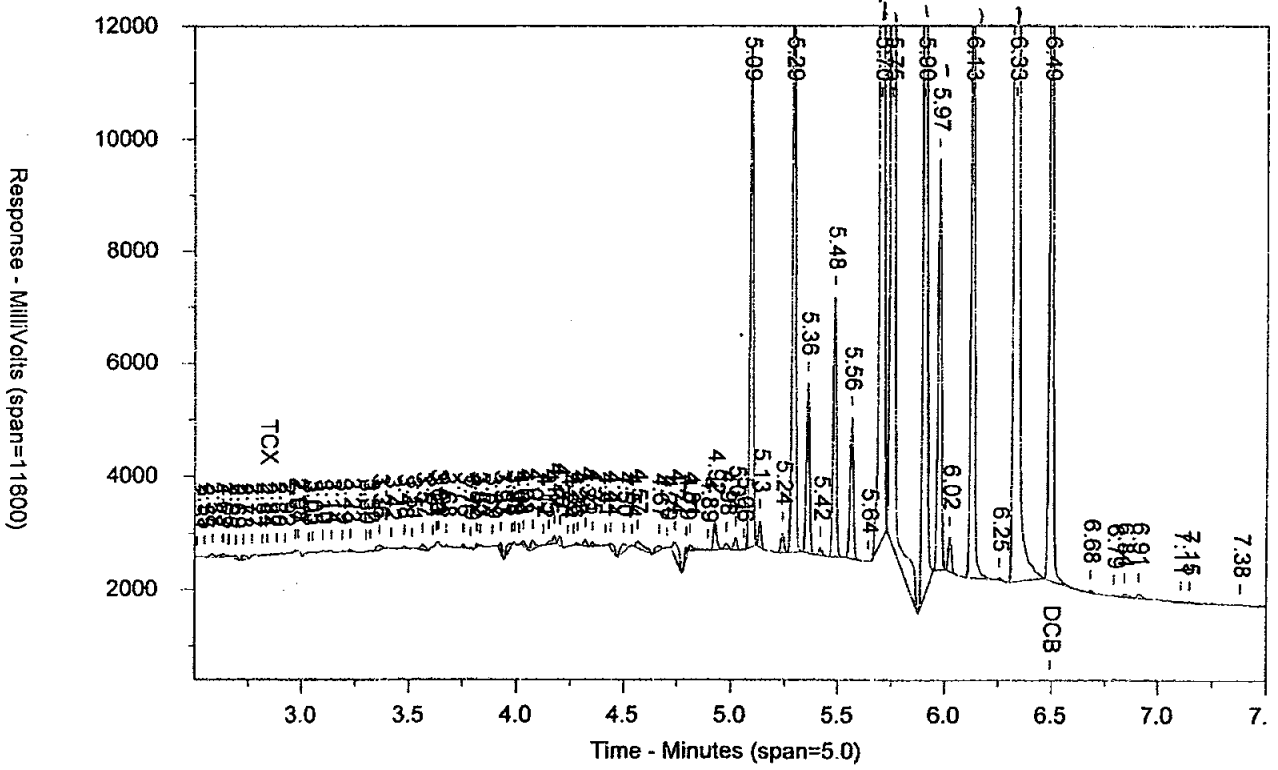

ASX67 0479

LANCASTER LABORATORIES

Sample Number: AR6831224A AAAR683AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 11:19:26 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	3408	.013	TCX	2.839	15958	.011	TCX
6.807	2414298	16.759	DCB	6.493	16181690	15.461	DCB

Files:
Area File: 1p20188.0022.RAW
Area File: 1p20188B.0022.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 11:28:09 AM
File Reported On: 7/8/2012 at 3:38:23 PM

ASX67 2488

AR6831224A AAAR683AA ICAL 1218699999 SW-846 8082

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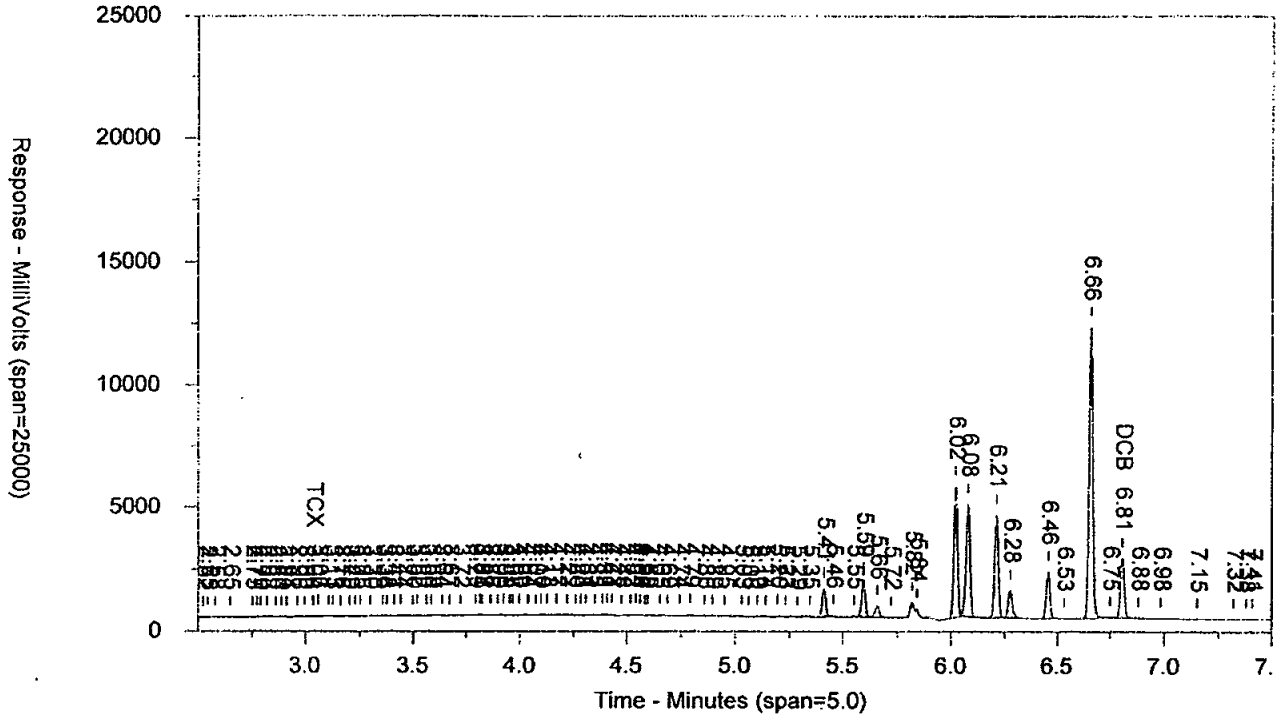

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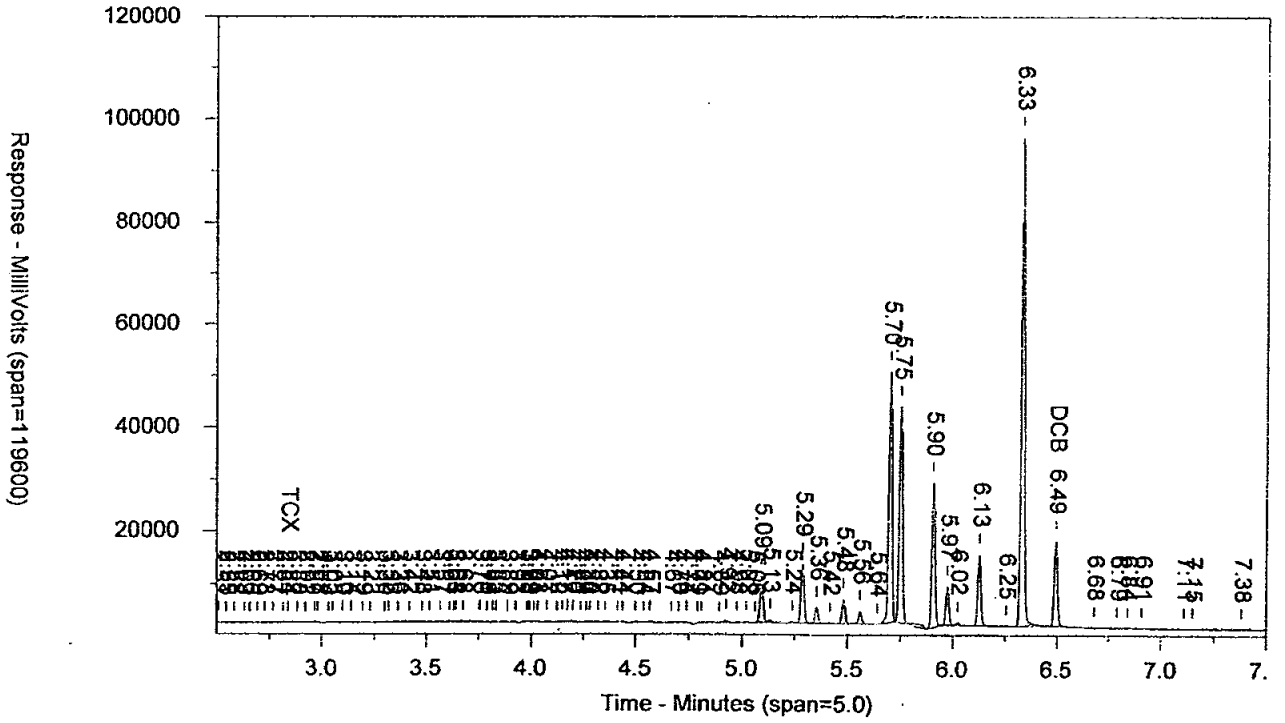

ASX67 0481

LANCASTER LABORATORIES

Sample Number: AR2131224A AAAR213AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:30:55 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0023.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.524		2583	2471
2.57		6044	10134
2.58		7053	9284
2.665		340456	282694
2.694		4883	3406
2.754		19156	23437
2.818		5133	4509
2.858		3862	3247
2.889		3047	3255
2.91		76761	61451
2.951		114630	93379
2.995		3110	2253
3.037	TCX	10195130	7845326
3.126		3631	3619
3.15		9955	6473
3.192		493828	445385
3.248		422569	408425
3.298		1257575	1029049
3.376		39509	28938
3.394		5641	3409
3.445		6504	7976
3.519		58617	38671
3.543		53386	76634
3.605		165073	129253
3.637		94615	76370
3.671		6182	4647
3.695		23776	16076
3.712		4387	2550
3.75		18448	12973
3.767		20132	12357
3.824		160927	235292
3.864		119599	104056
3.926		82818	71085
3.995		26512	21791
4.039		39413	55543
4.1		3290	2370
4.125		28884	24566
4.167		19213	32253
4.222		42243	41371
4.26		7533	5311
4.288		3560	2095
4.312		3370	2051
4.353		36329	40700
4.387		73017	60075
4.406		12507	6614
4.427		24900	20087
4.477		9149	26108
4.501		6072	4209
4.544		54854	68436
4.584		8191	5245
4.607		3219	1944
4.619		8647	6885
4.656		9549	13390
4.693		14402	13065

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RT A	Compound A	Height A	Area A
4.744		28794	29396
4.808		55953	108838
4.856		4580	4061
4.898		7408	6532
4.939		19772	29191
4.986		10878	12408
5.029		38403	48250
5.061		11209	9026
5.101		19866	28343
5.144		29367	60207
5.233		34114	73532
5.285		6528	13179
5.352		25079	29707
5.477		15473	31039
5.56		10084	20591
5.613		2123	1331
5.648		182522	333294
5.792		7107	11007
5.863		49603	260226
6.024		16338	136273
6.065		1991	2901
6.112		4597	5226
6.159		11538	17267
6.216		69019	129488
6.279		5363	8995
6.364		2607	2673
6.395		1491	779
6.413		1819	1049
6.433		1283	425
6.454		7759	8045
6.503		10787	13005
6.565		48057	102129
6.625		3248	2209
6.659		45638	53461
6.716		1369	1519
6.809	DCB	5274377	6661736
6.881		35885	59210
6.984		39639	63478
7.11		7071	9795
7.157		9647	14991
7.231		57556	138788
7.294		5358	10449
7.37		11022	25333
7.484		5730	10718
7.551		9310	15015
7.626		59666	161901
7.743		9900	22766
7.889		3085	4689
7.946		11818	36811
8.085		48459	157126
8.196		1846	1376
8.232		1364	802
8.294		1600	713
8.34		1162	416
8.408		1476	510
8.449		3761	8588
8.625		39301	192973

ASX67 9483

LANCASTER LABORATORIES

Sample Number: AR2131224A AAAR213AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:30:55 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0023.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.511		1334708	915828
2.541		12445	3003
2.583		105365	101594
2.63		88301	392228
2.728		93184	140205
2.764		40173	22395
2.796		351045	262964
2.844	TCX	61442700	42127760
2.885		573082	506861
2.97		36254	17891
2.986		52428	35070
3.019		2659469	2060367
3.082		1927463	1871995
3.136		6692332	4865922
3.192		154830	109772
3.226		35008	32463
3.252		37754	28411
3.307		14758	17435
3.327		31253	27724
3.351		224830	138177
3.372		184162	151600
3.395		169327	124474
3.427		28122	12378
3.453		827036	555276
3.479		387867	288892
3.513		41961	31802
3.547		67672	34078
3.563		130818	69945
3.577		122419	63014
3.64		885818	1099713
3.677		480117	475676
3.754		412203	332388
3.789		141369	106274
3.816		104775	67862
3.835		55994	49451
3.889		126805	146574
3.928		279894	211581
3.959		137709	156273
3.993		118906	90076
4.015		28237	16611
4.031		188048	182184
4.07		192862	238577
4.119		13925	6160
4.149		62383	37839
4.173		275463	197306
4.192		162629	165272
4.24		55772	75102
4.279		262364	220897
4.318		133227	141646
4.351		35968	21223
4.387		24005	28439
4.413		19783	14934
4.44		170135	294483
4.501		269799	405069

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RT B	Compound B	Height B	Area B
4.565		466326	1010209
4.665		201534	297017
4.706		24906	15559
4.74		335418	546763
4.792		156233	128672
4.809		64740	42009
4.871		28348	21315
4.891		108586	106099
4.918		71869	90125
4.979		118204	127906
5.018		39178	44464
5.059		187582	211027
5.094		12445	5169
5.113		48171	55399
5.198		35409	36613
5.223		212649	254538
5.304		6027	11466
5.385		47102	73338
5.436		82477	112389
5.483		26295	16077
5.539		375263	806747
5.604		8488	10355
5.628		16953	23107
5.672		558142	906337
5.735		100515	172417
5.835		888965	2433821
5.906		302152	348309
5.939		21745	25146
5.982		41885	59551
6.021		73995	109285
6.114		457661	951144
6.17		11069	7299
6.201		35929	37285
6.248		25704	27783
6.282		56258	76983
6.33		244775	220929
6.371		396838	670892
6.446		6779	5446
6.494	DCB	38906190	42839040
6.573		65168	63140
6.619		353486	599492
6.696		48778	88323
6.738		15160	11169
6.793		72201	113100
6.853		386344	685519
6.911		145615	200589
6.998		82221	115605
7.052		14705	10116
7.103		247698	522996
7.197		7089	7382
7.257		74992	156129
7.377		217064	480978
7.523		69076	116034
7.564		36160	97971
7.693		141396	317438
7.747		164410	273617
7.866		29343	47073
7.925		105648	217237
8.045		54189	143194
8.128		6472	1779
8.366		42350	145659
8.471		23785	53793
8.61		5057	5311
8.633		15236	70280

AR2131224A AAAR213AA ICAL 1218699999 SW-846 8082

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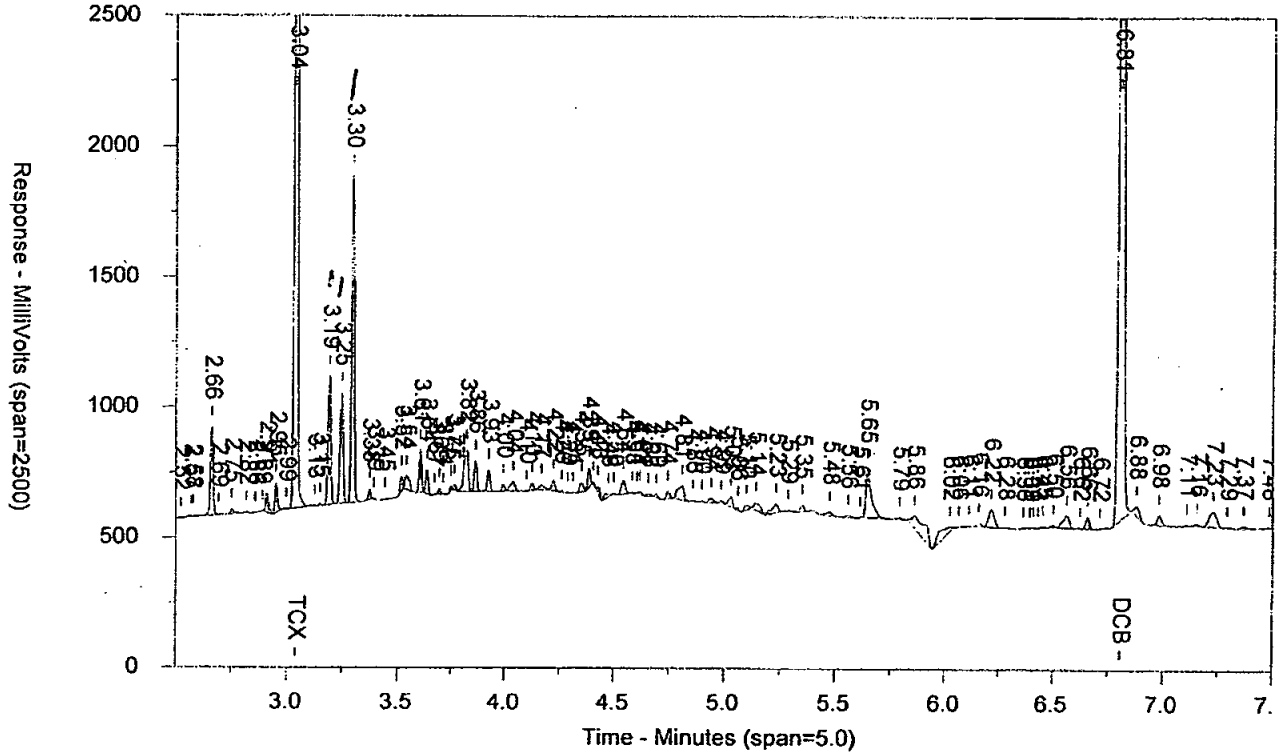

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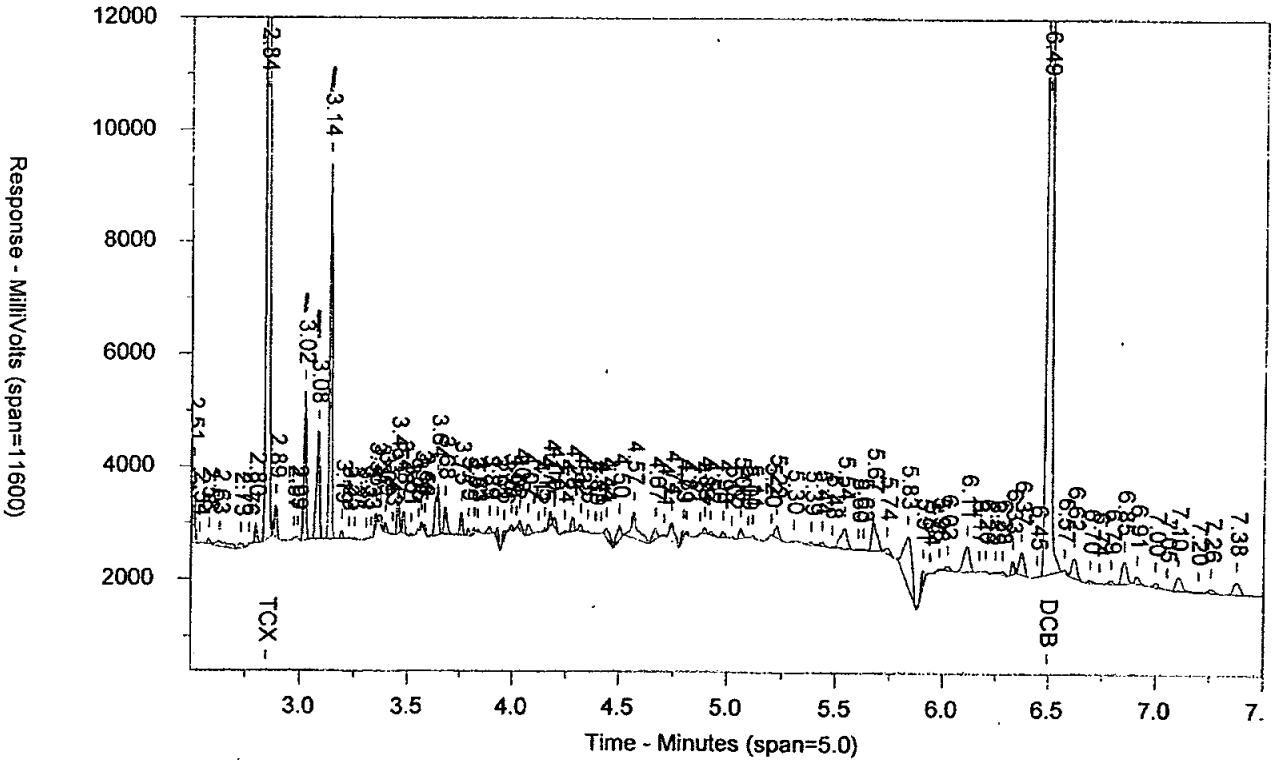

ASX67 0486

LANCASTER LABORATORIES

Sample Number: AR2131224A AAAR213AA ICAL 1218699999 Sample Weight: SW-846 8082
Injected On: 7/6/2012 11:30:55 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10195130	39.485	TCX	2.844	61442700	41.084	TCX
6.809	5274377	36.613	DCB	6.494	38906190	37.173	DCB

Files:
Area File: 1p20188.0023.RAW
Area File: 1p20188B.0023.RAW
Method A: PESTDI20.MET.
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 11:39:38 AM
File Reported On: 7/8/2012 at 3:38:27 PM

ASX67 B487

AR2131224A AAAR213AA ICAL 1218699999 SW-846 8082

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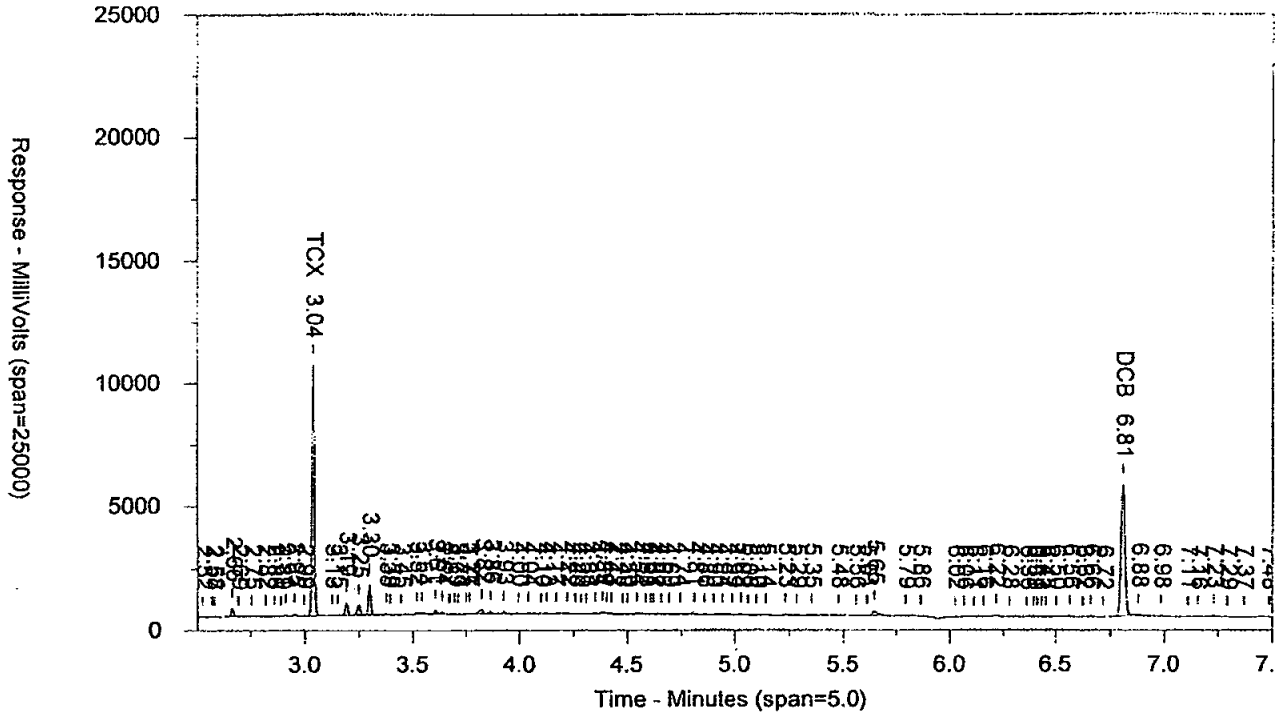

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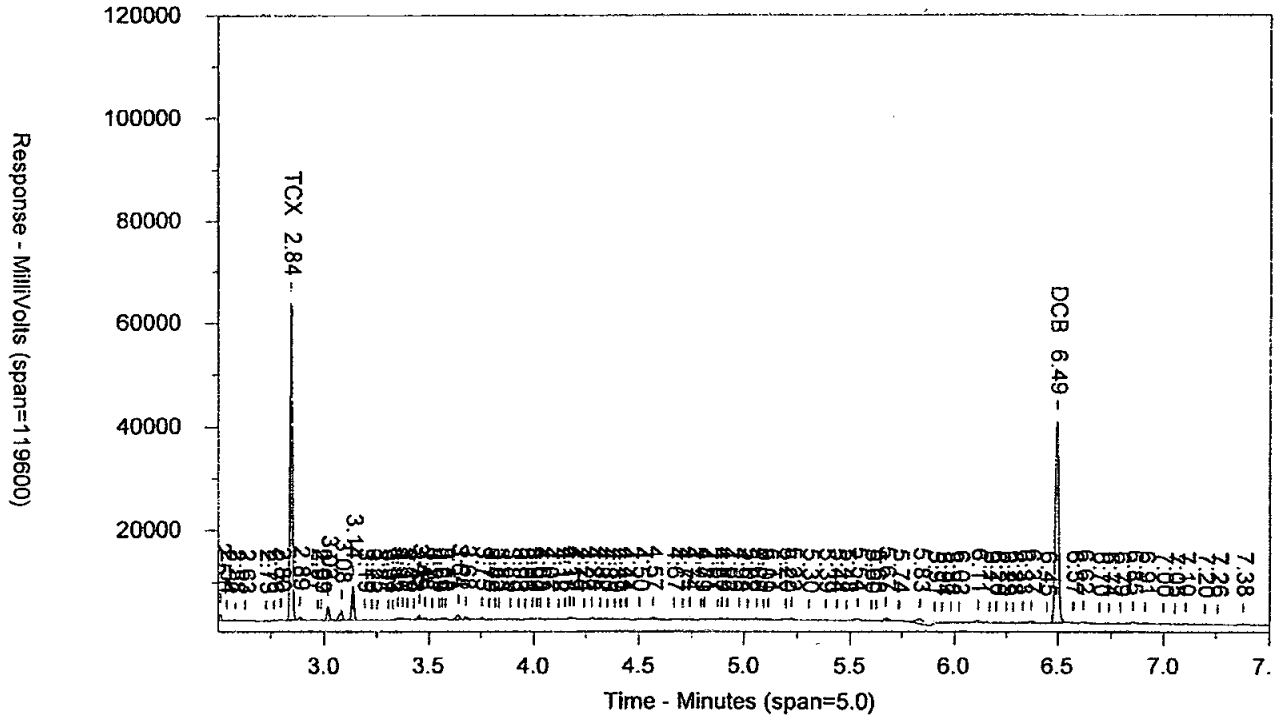

ASX67 8488

LANCASTER LABORATORIES

Sample Number: AR32X1224B AAAR32XAA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:42:18 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0024.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.579		5446	12431
2.631		3365	2117
2.665		243055	197917
2.755		3642	5458
2.818		2887	1847
2.861		2398	1666
2.899		1062	2895
2.91		10723	15178
2.951		83113	69180
2.994		2952	2406
3.037	TCX	10249650	7966852
3.119		3745	3823
3.148		3383	3039
3.192		410732	376331
3.248		390095	387007
3.298		1317135	1043054
3.375		26381	17299
3.394		59306	36628
3.445		7079	9087
3.483		1522	1614
3.518		493191	329841
3.535		217222	124520
3.573		53994	32261
3.589		5291	1592
3.604		135219	90021
3.637		644956	552604
3.673		7296	4627
3.694		17663	12720
3.712		16156	9661
3.748		136804	90451
3.764		65867	36550
3.813		109333	119269
3.823		570661	371111
3.863		754911	683531
3.925		662443	602322
3.967		39939	30874
3.994		360993	293170
4.024		277239	249380
4.044		55321	37625
4.074		2459	1025
4.125		436243	367264
4.15		134651	101287
4.182		158292	128541
4.219		485582	555446
4.26		149197	137670
4.309		32762	28404
4.35		53309	50458
4.386		248623	198273
4.406		326285	224773
4.43		466687	378759
4.493		29538	40252
4.54		337815	301096
4.563		153286	101143
4.622		6924	5311

ASX67 0489

RT A	Compound A	Height A	Area A
4.648		15906	14871
4.691		73825	74651
4.745		103401	104165
4.777		45662	38885
4.809		151366	147466
4.857		6953	5679
4.896		88878	98505
4.938		18393	26496
4.986		19870	20558
5.03		127363	141125
5.062		5566	4939
5.108		18949	33214
5.141		36028	79204
5.233		140048	235437
5.295		2330	4210
5.35		33012	39274
5.412		6501	5847
5.456		6698	13473
5.557		3872	3277
5.647		70025	122505
5.76		6317	5409
5.816		35349	356796
5.988		10883	45421
6.025		13723	16838
6.071		4463	24324
6.213		46466	63271
6.28		2225	2338
6.358		4156	6769
6.413		2562	2207
6.438		7414	15691
6.619		1601	1362
6.658		46550	56567
6.807	DCB	5067767	6824284
6.982		17765	23438
7.083		3069	5594
7.152		6632	12870
7.222		1210	923
7.307		1595	2298
7.347		1993	2061
7.556		1920	3223
7.61		1631	779
7.683		6941	12535
7.77		1866	1228
7.844		1845	539
7.866		1402	565
7.941		7931	17240
8.073		2497	1966
8.141		1335	561
8.196		1298	1196
8.271		1252	1228
8.364		1630	1115
8.45		3257	12777
8.512		2009	2073
8.658		2387	1111

LANCASTER LABORATORIES

Sample Number: AR32X1224B AAAR32XAA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:42:18 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0024.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.511		897204	644257
2.56		43912	66785
2.582		60081	73184
2.634		91024	174077
2.696		88712	106783
2.726		77870	108437
2.796		238264	233171
2.844	TCX	59360330	41301720
2.886		535873	466392
2.968		34966	17819
2.985		28041	16136
3.019		2159795	1682999
3.082		1760444	1741497
3.137		6658164	4843394
3.192		160154	116673
3.227		28799	21067
3.253		298243	230796
3.301		22540	20356
3.326		25976	25266
3.35		3280684	3902811
3.403		385239	322449
3.427		136016	82530
3.452		690194	444829
3.478		3126757	2480354
3.515		102438	67380
3.562		826326	480046
3.578		462426	242935
3.64		7069935	8195257
3.676		3480461	3044786
3.754		3558764	2765834
3.789		1795195	1327870
3.815		2071967	1436778
3.835		616312	357256
3.888		50136	47301
3.929		2626850	2095522
3.956		1002246	646006
3.978		845338	613975
4.013		261990	170515
4.03		2357695	1737539
4.076		904752	905698
4.125		130338	98537
4.148		1629156	1164156
4.172		3131715	2313230
4.2		2976217	2292707
4.224		41466	18987
4.239		72582	41313
4.279		635285	631362
4.32		1764726	1584107
4.351		1469776	1150830
4.401		63854	54943
4.438		410293	501691
4.5		701866	750757
4.536		326941	255432
4.566		917460	996787

ASX67 0491

RT B	Compound B	Height B	Area B
4.668		410484	706959
4.702		93378	82937
4.738		972888	1271012
4.811		210677	447203
4.84		62128	70891
4.892		27879	23607
4.923		128235	173811
4.976		645488	619658
5.019		38091	32499
5.059		141383	145550
5.09		44845	33246
5.133		18618	13952
5.183		22833	23917
5.23		29549	57047
5.29		57933	53225
5.315		30081	27084
5.364		31248	27644
5.403		25252	22276
5.481		113237	102798
5.51		18357	68762
5.6		13417	10908
5.673		183698	305631
5.744		93598	97595
5.792		20577	16637
5.905		275334	313400
5.95		23783	40204
6.021		20074	106605
6.108		14859	9143
6.123		25760	25159
6.199		11297	11815
6.257		13348	17928
6.329		257036	328470
6.442		13197	10473
6.493	DCB	39181180	43960480
6.838		42490	65238
6.912		84486	126743
7.106		17261	28482
7.146		19849	24490
7.306		5235	2127
7.369		64047	153950
7.528		20491	71403
7.684		18452	35939
7.922		8030	11427
8.037		13530	39429
8.23		9890	13184
8.348		7393	7160
8.446		6127	2981
8.47		9584	14461
8.656		6741	7610

ASX67 8492

AR32X1224B AAAR32XAA ICAL 1218699999 SW-846 8082

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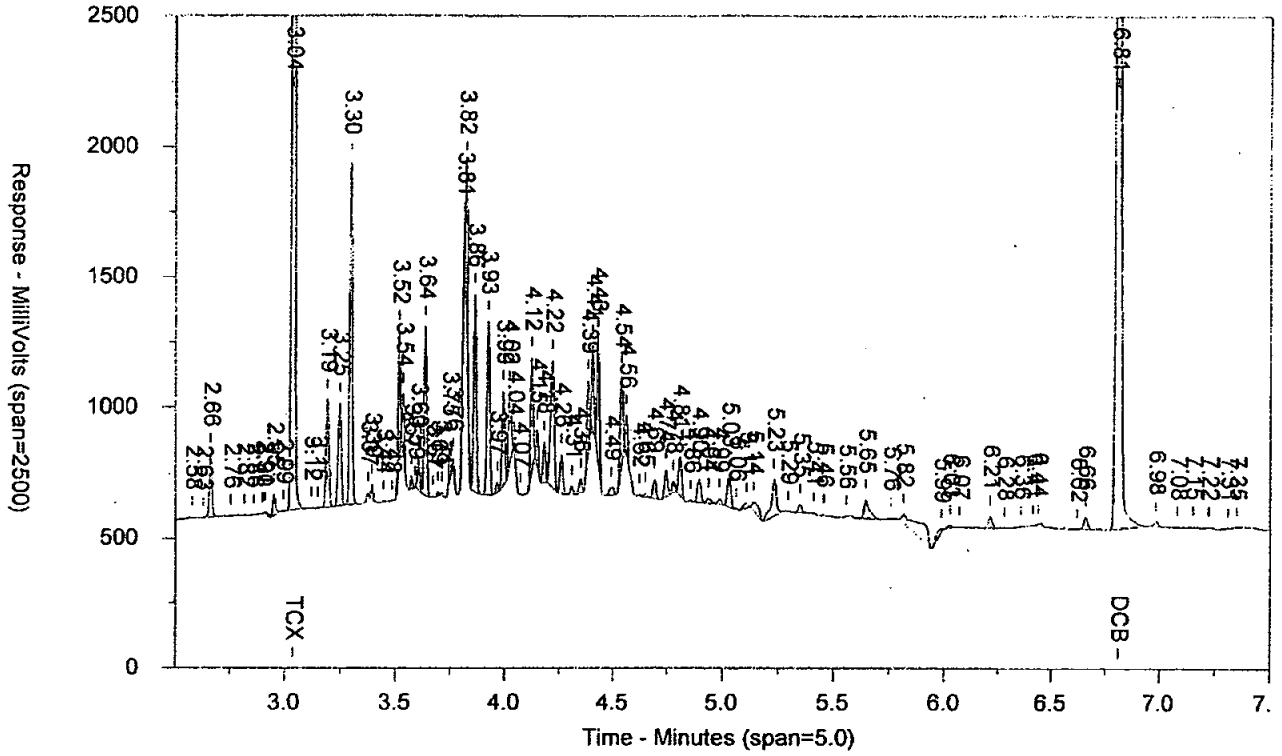

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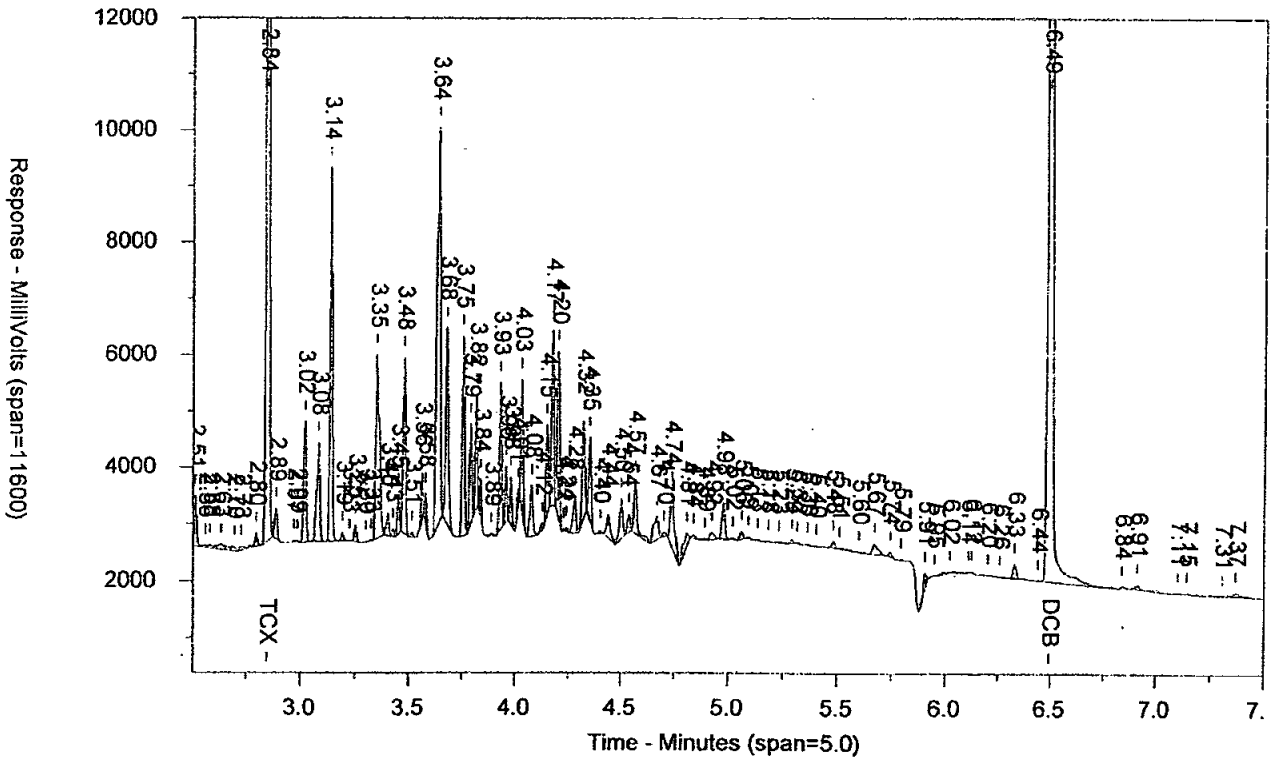

ASX67 0499

LANCASTER LABORATORIES

Sample Number: AR32X1224B AAAR32XAA ICAL 1218699999 Sample Weight: SW-846 8082
Injected On: 7/6/2012 11:42:18 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10249650	39.696	TCX	2.844	59360330	39.691	TCX
6.807	5067767	35.179	DCB	6.493	39181180	37.436	DCB

Files:
Area File: 1p20188.0024.RAW
Area File: 1p20188B.0024.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 11:51:00 AM
File Reported On: 7/8/2012 at 3:38:31 PM

ASX67 9494

AR32X1224B AAAR32XAA ICAL 1218699999 SW-846 8082

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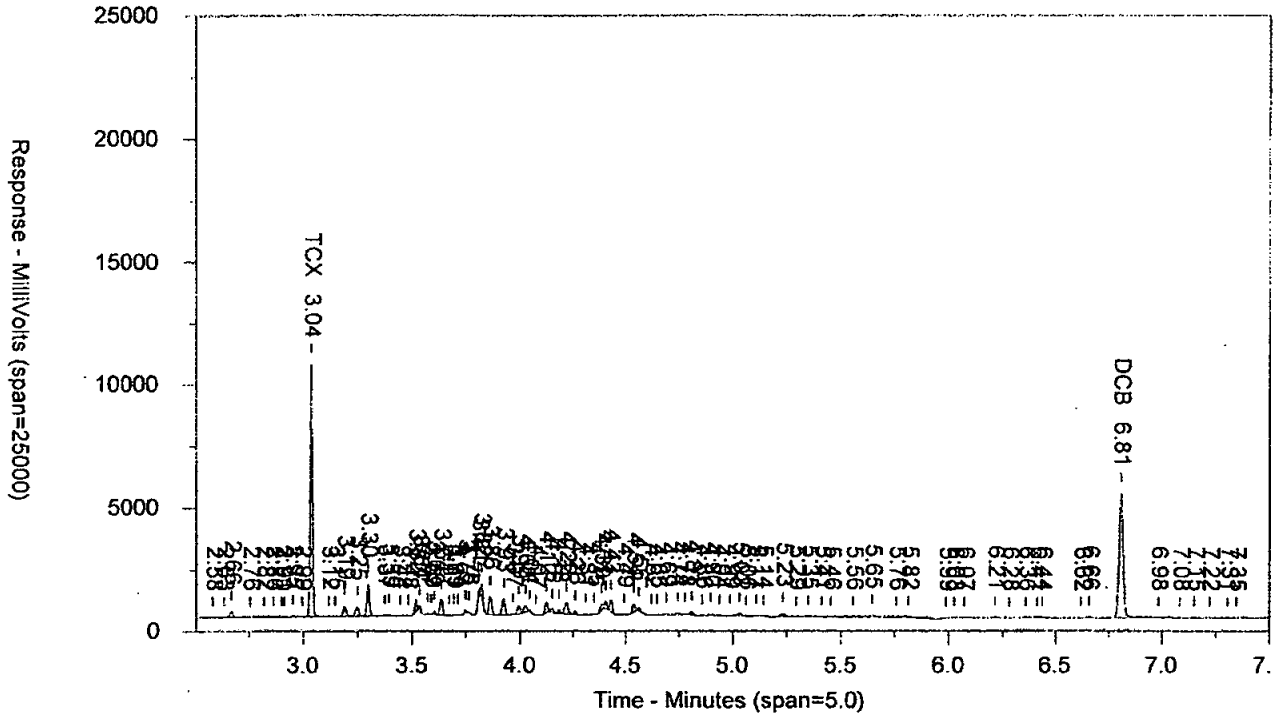

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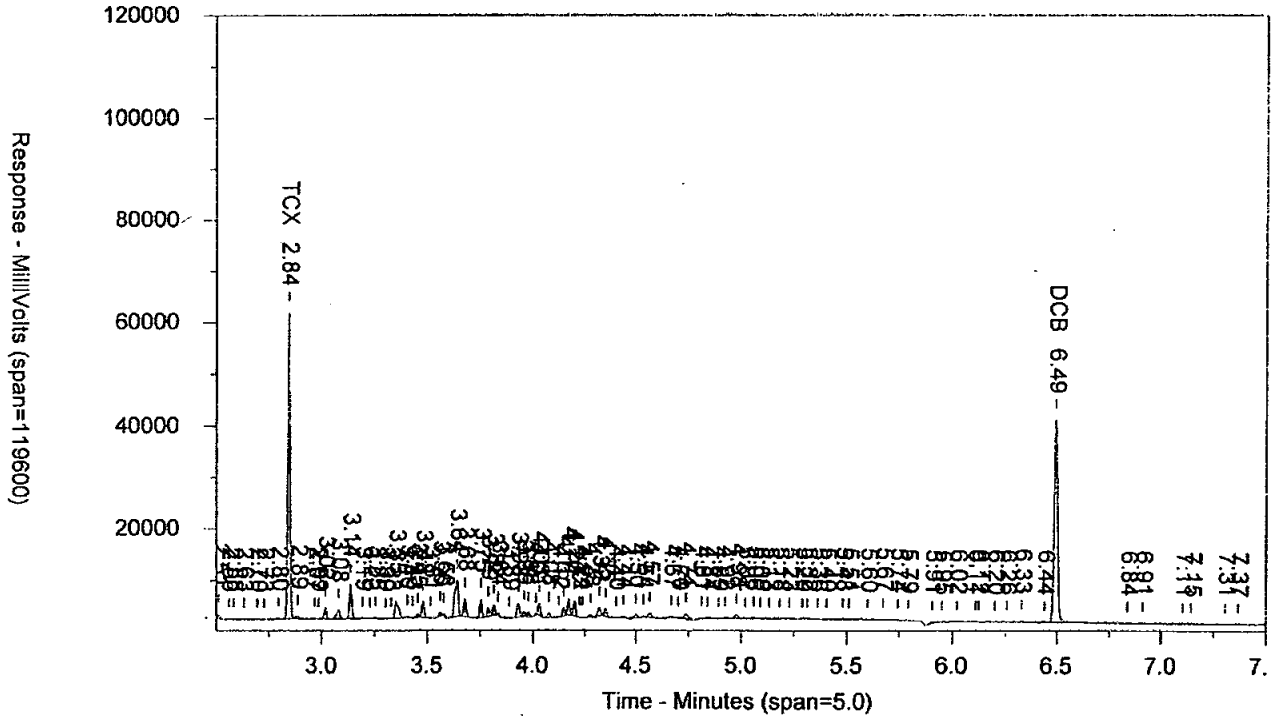

ASX67 B495

LANCASTER LABORATORIES

Sample Number: AR4231224A AAAR423AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:53:48 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0025.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.514		2532	959
2.567		7848	21749
2.647		8078	9522
2.666		11292	13326
2.699		2661	1608
2.754		5144	4518
2.776		1691	956
2.82		3268	3591
2.862		4484	3678
2.883		7212	5034
2.91		18739	23832
2.968		7102	18387
2.996		2722	3256
3.037	TCX	10499200	8101174
3.124		3289	2184
3.152		8107	6556
3.191		134916	126624
3.246		231949	255256
3.299		781357	635212
3.376		23490	13650
3.394		85492	59227
3.441		4369	3656
3.479		3779	3002
3.518		750461	509080
3.535		311046	183133
3.574		92179	60058
3.59		11252	4156
3.606		61989	38550
3.637		970488	833013
3.672		8515	6237
3.695		18439	11250
3.712		23314	15082
3.75		202493	139475
3.765		82362	44603
3.824		1876978	2767629
3.864		1148476	1016682
3.926		993764	918672
3.967		66708	52387
3.995		592604	505969
4.024		462728	421955
4.046		116570	66502
4.126		724275	616913
4.15		225203	171270
4.182		279130	219396
4.219		803586	921187
4.262		244557	231877
4.309		52873	49442
4.35		84957	81022
4.385		425745	336349
4.406		536673	368204
4.43		731501	614423
4.497		60372	79185
4.542		531720	509557
4.563		230738	188917

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RT A	Compound A	Height A	Area A
4.62		12491	10200
4.647		29831	27214
4.69		142426	151383
4.746		205092	206034
4.778		99404	83636
4.809		311054	306554
4.853		4549	3779
4.897		169500	181024
4.939		7551	7125
4.988		42810	44669
5.03		281502	310009
5.061		8078	4954
5.111		32497	55695
5.142		35425	72178
5.234		274622	345102
5.278		8941	19461
5.351		71229	115319
5.561		26977	37158
5.647		68390	120947
5.76		15155	14013
5.785		4208	3283
5.98		46334	83144
6.03		5509	7873
6.069		2133	2060
6.214		51569	69344
6.267		1381	515
6.279		2400	3485
6.364		3410	4637
6.453		3585	4770
6.501		3306	3198
6.56		6176	12403
6.66		45197	55161
6.809	DCB	5227636	6902892
6.985		16841	24312
7.153		7860	14403
7.224		12620	26647
7.365		1528	1070
7.463		1464	560
7.491		1399	1000
7.552		1964	3976
7.624		9092	19837
7.684		6711	9092
7.789		2001	778
7.821		1735	1380
7.884		3385	5850
7.943		7450	13939
8.086		6078	16205
8.196		1501	1559
8.293		1481	555
8.327		1978	931
8.359		1877	1019
8.435		1415	1986
8.487		1431	813
8.622		2286	2730

ASX67 8497

LANCASTER LABORATORIES

Sample Number: AR4231224A AAAR423AA ICAL 1218699999 Injection Volume: 1 uSW-846 8082
Injected On: 7/6/2012 11:53:48 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0025.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.512		33798	29121
2.542		10657	5479
2.583		38139	28816
2.63		76390	240777
2.693		89341	115012
2.724		51333	48090
2.765		77440	71894
2.844	TCX	59761540	42031830
2.887		255475	199742
2.945		10050	5341
2.969		22116	13404
2.984		35476	24651
3.018		703751	543581
3.072		255477	153005
3.081		316787	153874
3.136		3996074	2917682
3.192		171387	121888
3.227		29451	20176
3.252		463736	340332
3.298		21237	19721
3.323		17202	19222
3.35		5018759	5836606
3.403		572460	396669
3.426		221745	136063
3.452		371518	227662
3.478		4709445	3849775
3.514		140355	92084
3.561		1236746	747971
3.577		619675	324937
3.605		9311	6288
3.631		1014249	924516
3.64		5348871	2885449
3.676		5226923	4568803
3.754		5430974	4304159
3.788		3093519	2299982
3.815		3529100	2453718
3.835		1003606	600402
3.888		71470	76885
3.929		4475806	3553893
3.955		1604161	1027119
3.978		1463317	1046193
4.012		617877	342874
4.029		3756072	2817155
4.076		1460553	1438586
4.124		250265	184584
4.148		2764981	2001229
4.172		5437627	4062755
4.199		4967987	3777307
4.222		100151	38878
4.239		126264	81168
4.278		1328687	1266488
4.32		2980903	2708259
4.351		2404633	1916472
4.4		135966	110725

ASX67 9498

RT B	Compound B	Height B	Area B
4.438		850408	968632
4.5		1455215	1486490
4.536		712437	572722
4.565		1903005	1678951
4.604		38852	79843
4.652		112986	91851
4.669		487875	389101
4.703		228669	191952
4.738		1888634	2080355
4.81		248010	360255
4.838		144055	140702
4.89		23715	17087
4.921		177848	215192
4.976		1453105	1444936
5.018		60930	53874
5.059		382197	481242
5.112		52864	69227
5.223		35491	79564
5.318		130498	137728
5.428		13188	10324
5.462		86840	92301
5.507		134919	132387
5.535		30598	51201
5.673		192872	306499
5.741		61122	104702
5.791		14682	9330
5.827		234910	944312
5.905		314576	348309
5.949		30041	61225
5.992		3663	19808
6.004		8821	5675
6.02		14386	10716
6.049		9805	3411
6.11		70602	127281
6.329		258569	251344
6.371		54637	78679
6.493	DCB	40068780	43913280
6.615		37559	60711
6.844		72678	124350
6.911		77363	128037
6.996		19001	25655
7.104		38064	63668
7.151		18142	17649
7.263		13519	20598
7.37		76895	154763
7.526		23419	35252
7.594		25760	31345
7.688		29018	73068
7.745		25088	35022
7.919		11375	26114
8.022		6028	2548
8.13		5474	1423
8.227		4718	4234
8.388		5808	5607
8.464		6157	9616

ASX67 8499

AR4231224A AAAR423AA ICAL 1218699999 SW-846 8082

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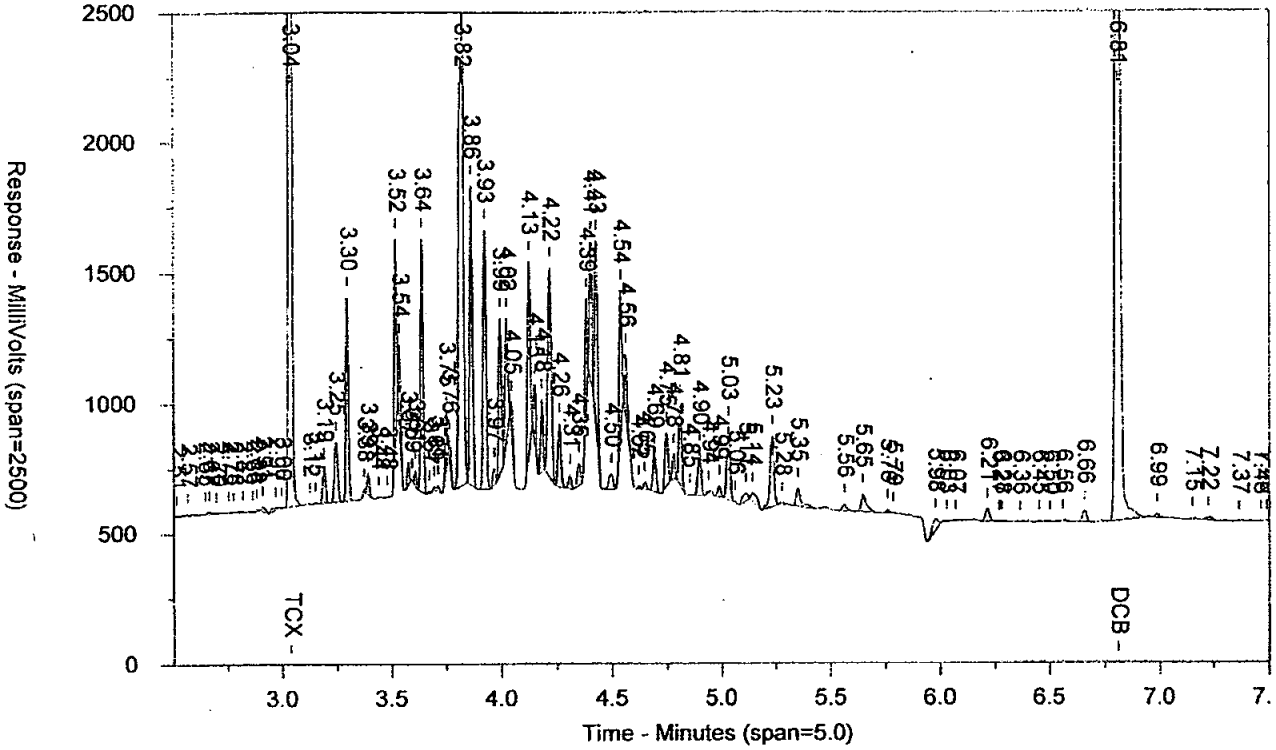

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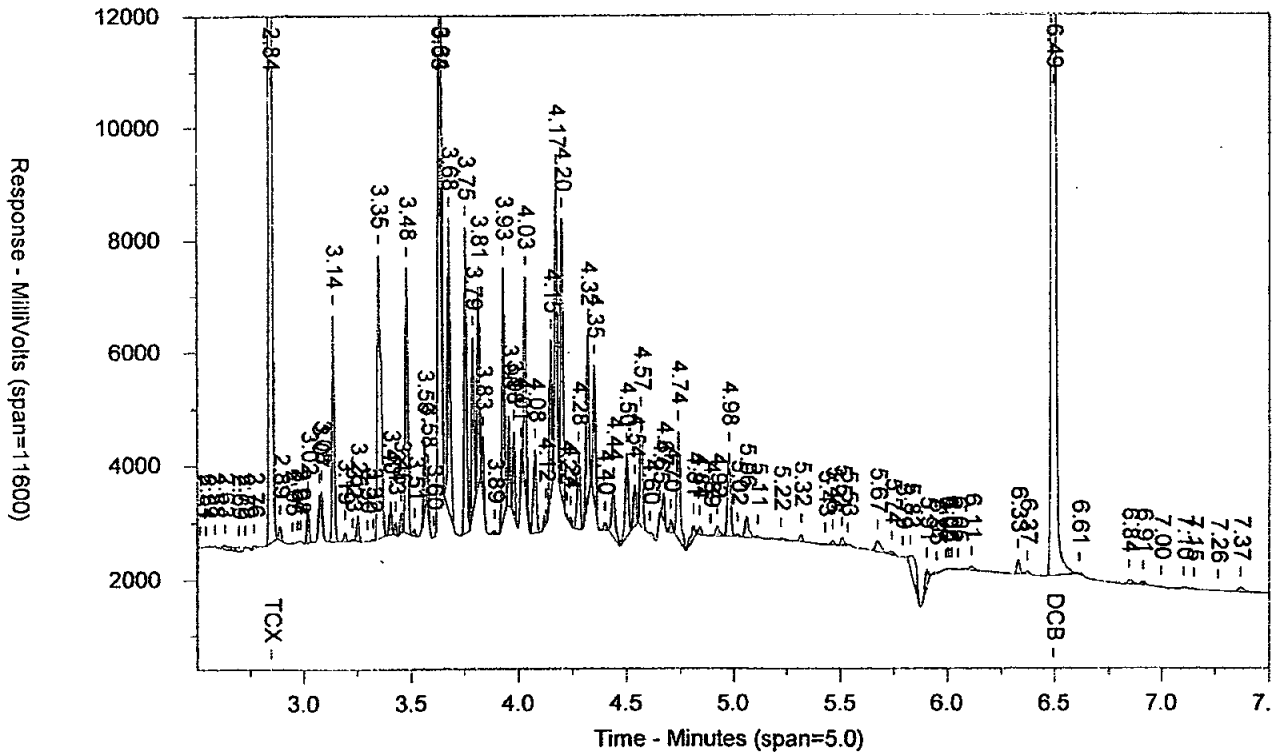

ASX67 0588

LANCASTER LABORATORIES

Sample Number: AR4231224A AAAR423AA ICAL 1218699999 Sample Weight: $W-846 8082
Injected On: 7/6/2012 11:53:48 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10499200	40.663	TCX	2.844	59761540	39.959	TCX
6.809	5227636	36.289	DCB	6.493	40068780	38.284	DCB

Files:
Area File: 1p20188.0025.RAW
Area File: 1p20188B.0025.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 12:02:31 PM
File Reported On: 7/8/2012 at 3:38:35 PM

ASX67 0581

AR4231224A AAAR423AA ICAL 1218699999 SW-846 8082

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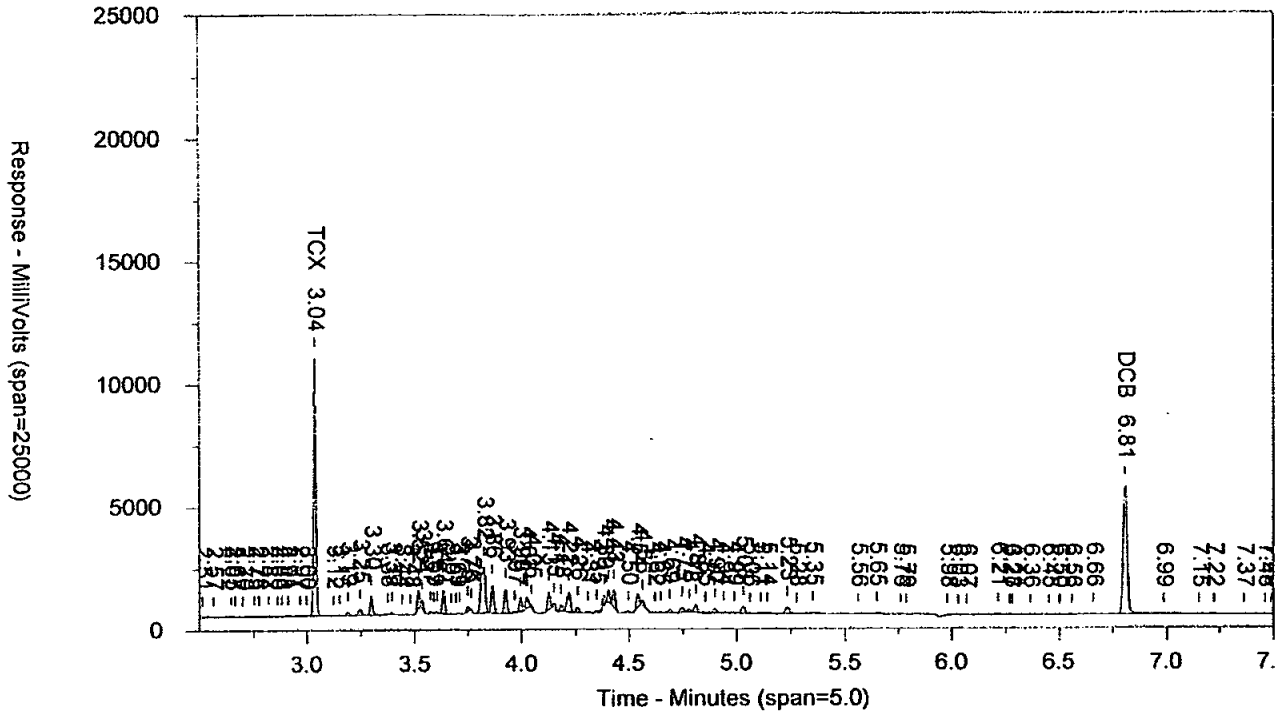

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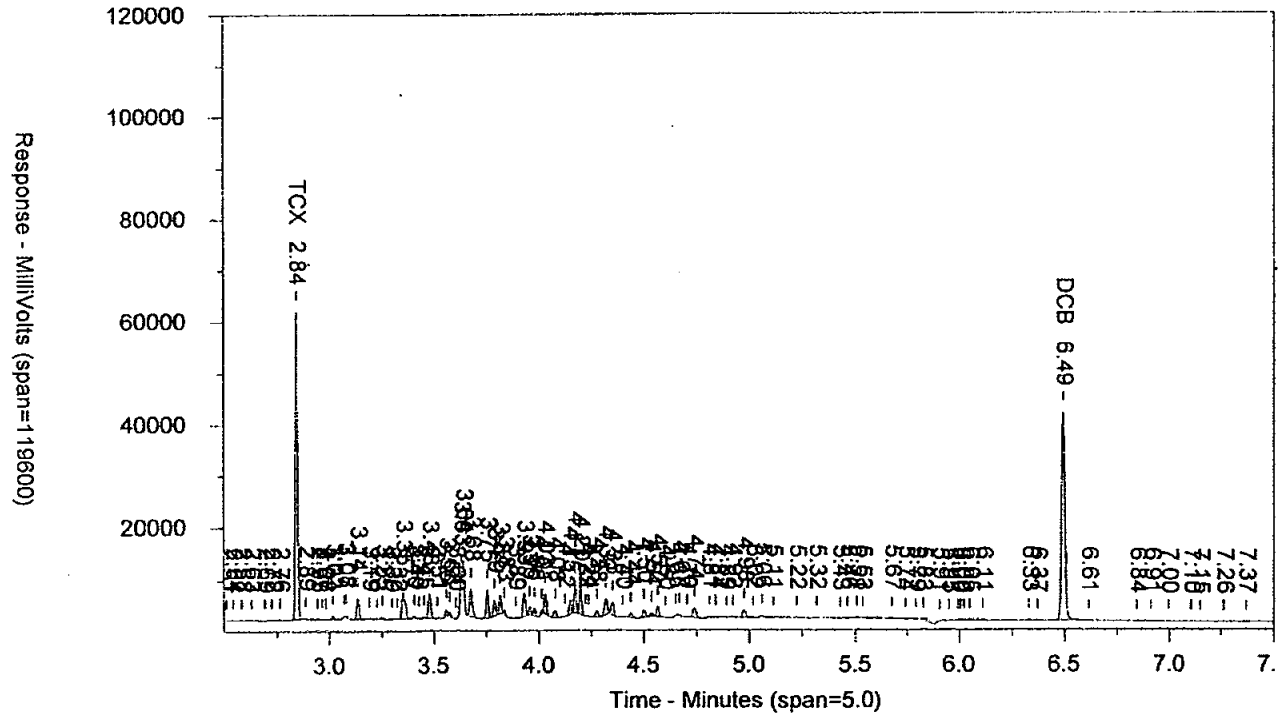

ASX67 0582

LANCASTER LABORATORIES

Sample Number: AR16XX1224B AAAR16XAA ICAL 1218699999 Injection Volume: 1 ulSW-846 8082
Injected On: 7/6/2012 12:05:17 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0026.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.518		3445	2569
2.562		4885	6252
2.579		3250	2144
2.646		16850	16804
2.666		14329	16694
2.691		4768	4693
2.764		1179	728
2.784		1925	739
2.817		4127	3865
2.854		2201	1265
2.888		6551	6765
2.909		22361	21594
2.955		4052	4476
2.971		2547	1262
2.995		6260	4326
3.037	TCX	2583816	2086532
3.127		3980	4354
3.151		65832	49215
3.191		173049	160736
3.25		232756	201183
3.277		3271	1234
3.299		1021788	815009
3.361		1456	1203
3.395		133169	114177
3.438		9261	11443
3.476		3210	2729
3.518		970241	658506
3.536		432914	239239
3.574		122218	80146
3.59		15404	6140
3.606		88432	54614
3.637		1263710	1113221
3.675		8556	9829
3.714		40181	29502
3.75		269542	185695
3.765		111100	62798
3.815		200476	269029
3.825		1215043	739491
3.864		1503295	1357773
3.926		1344832	1229627
3.967		92262	69701
3.995		804066	658228
4.025		597245	543373
4.046		136591	87885
4.125		928960	809032
4.151		307684	216693
4.183		348820	290215
4.22		1037730	1167632
4.261		321632	308674
4.309		50374	46207
4.35		66411	63716
4.386		321909	260692
4.407		250438	167445
4.431		260073	198044

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RT A	Compound A	Height A	Area A
4.462		7723	6779
4.497		5432	5968
4.54		87682	83705
4.667		3481	2283
4.685		2743	3558
4.743		4301	4401
4.793		57446	65519
4.893		1393	442
4.922		3690	3508
4.952		4849	4986
5.027		9975	10762
5.058		16681	14946
5.103		45604	146986
5.222		19070	37953
5.304		1862	1812
5.558		4704	11006
5.62		1889	1826
5.648		134778	229125
5.731		3516	3159
5.84		2278	1528
5.978		113218	189939
6.101		2743	7665
6.214		15370	21001
6.278		3449	5055
6.326		9110	13594
6.375		30838	98432
6.454		18215	38771
6.51		2405	3663
6.619		1249	747
6.661		11492	13358
6.698		7137	8177
6.808	DCB	1492630	1936100
6.983		25070	36511
7.044		2048	1074
7.099		2190	2159
7.176		5637	10013
7.219		1906	3230
7.358		1743	2889
7.431		1833	2365
7.635		1511	2416
7.691		2745	3663
7.771		1850	1117
7.829		1625	1004
7.921		949	484
7.939		1990	1023
7.989		1257	685
8.061		1410	813
8.188		1360	981
8.222		2175	1126
8.28		1489	419
8.291		1833	778
8.308		1494	965
8.42		1715	1487
8.473		1406	1358
8.576		1879	3031

LANCASTER LABORATORIES

Sample Number: AR16XX1224B AAAR16XAA ICAL 1218699999 Injection Volume: 1 ulSW-846 8082
Injected On: 7/6/2012 12:05:17 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0026.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.514		42767	34778
2.548		50380	92793
2.609		57765	44651
2.63		136922	222010
2.697		74364	133343
2.725		91179	167605
2.765		107861	134610
2.81		9688	6691
2.844	TCX	14013570	9966507
2.887		384083	337307
2.944		10431	4761
2.969		60022	36521
3.019		945385	717643
3.082		1119710	1036440
3.136		5372739	3844662
3.191		56536	42096
3.223		15950	11868
3.253		647770	494829
3.294		35290	25506
3.319		20343	16270
3.35		6593409	7776851
3.404		812342	559932
3.427		299680	184731
3.452		516513	310667
3.478		6369216	5238684
3.514		191070	141702
3.561		1670852	1027057
3.578		907362	483241
3.609		82160	45749
3.632		1339435	1438585
3.64		6775170	3709305
3.677		7240445	6279007
3.755		7689921	5877248
3.789		4216456	3019914
3.816		4582161	3202644
3.835		1296941	778602
3.891		18321	20562
3.929		6193882	4719749
3.956		2197038	1431713
3.978		1984812	1416172
4.013		737460	431089
4.029		4938372	3603432
4.077		1888210	1751195
4.124		209333	175093
4.148		1439333	1058064
4.172		3077623	2289265
4.199		1474701	1105966
4.222		133238	79508
4.278		146473	161463
4.32		146680	102222
4.336		107710	119427
4.412		34384	25772
4.441		252096	476920
4.499		268064	614951

ASX67 0585

RT B	Compound B	Height B	Area B
4.543		9332	2269
4.565		33964	32323
4.594		60350	153793
4.669		37131	90673
4.706		20456	20823
4.738		92191	156394
4.791		248027	225342
4.835		33903	80198
4.936		66715	72239
4.986		74056	73400
5.015		17863	16677
5.043		12160	2677
5.092		10234	9701
5.112		14671	12633
5.141		11806	2308
5.182		63839	75732
5.226		22586	28652
5.267		12484	7885
5.301		14534	175256
5.395		22196	16866
5.43		12455	16156
5.447		14619	15531
5.508		449327	481317
5.545		20934	27237
5.672		532380	994860
5.73		281153	549864
5.788		44414	70764
5.939		452033	1612209
6.035		111657	899135
6.069		11283	10318
6.209		22135	17884
6.259		18307	19951
6.329		64151	76719
6.493	DCB	10160040	11170680
6.909		110692	157108
7.054		18923	38975
7.149		29680	49643
7.302		9609	13362
7.372		11278	13848
7.655		6996	9043
7.914		8357	11477
8.014		4234	2151
8.236		3630	6664
8.298		5428	2241
8.411		7360	9031
8.44		7245	6047
8.566		6516	4972
8.609		7023	2621

ASX67 9586

AR16XX1224B AAAR16XAA ICAL 1218699999 SW-846 8082

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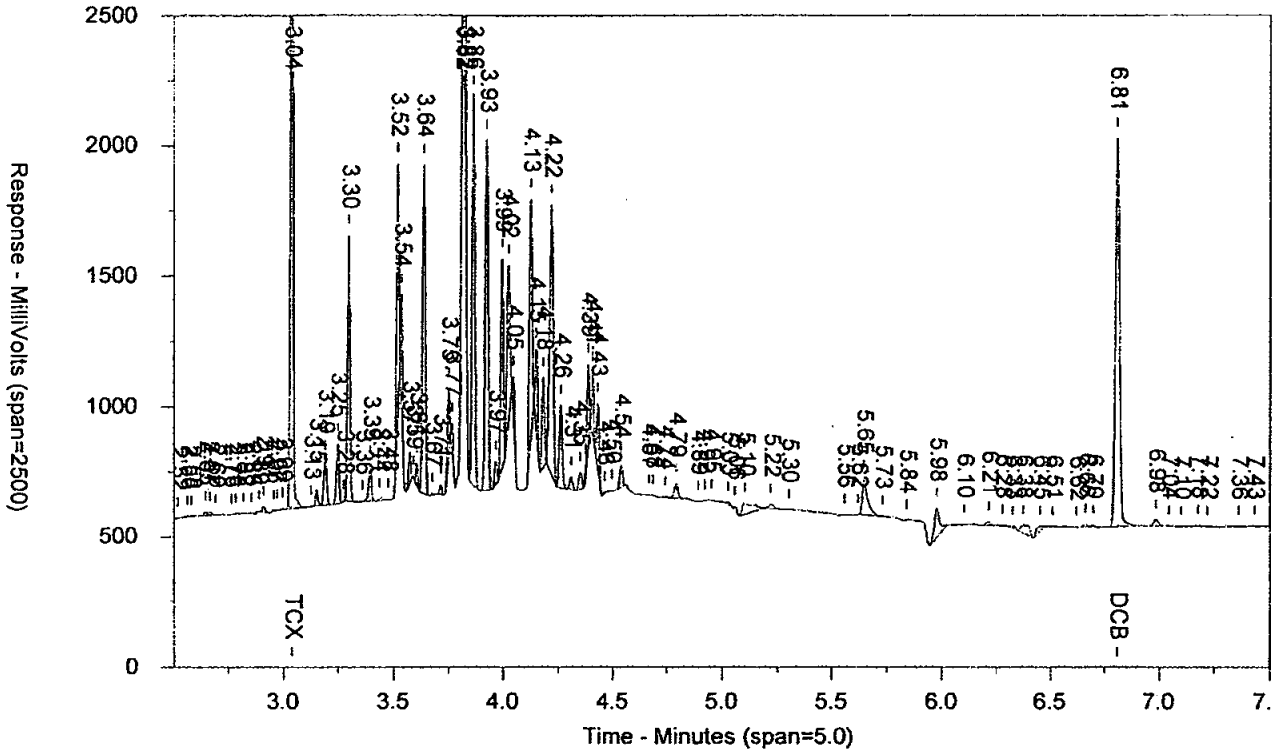

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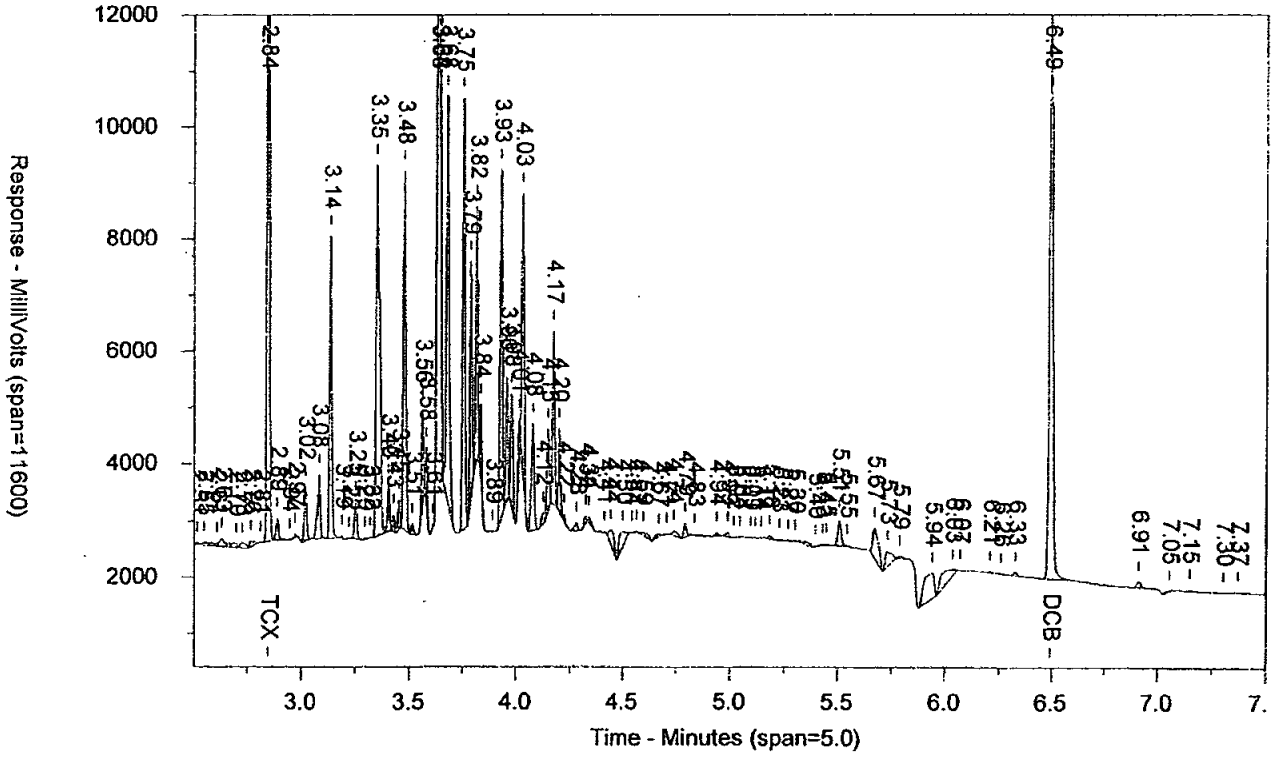

ASX67 0587

LANCASTER LABORATORIES

Sample Number: AR16XX1224B AAAR16XAA ICAL 1218699999 Sample Weight: 1SW-846 8082
Injected On: 7/6/2012 12:05:17 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	2583816	10.007	TCX	2.844	14013570	9.37	TCX
6.808	1492630	10.361	DCB	6.493	10160040	9.708	DCB

Files:
Area File: 1p20188.0026.RAW
Area File: 1p20188B.0026.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 12:13:59 PM
File Reported On: 7/8/2012 at 3:38:39 PM

ASX67 8588

AR16XX1224B AAAR16XAA ICAL 1218699999 SW-846 8082

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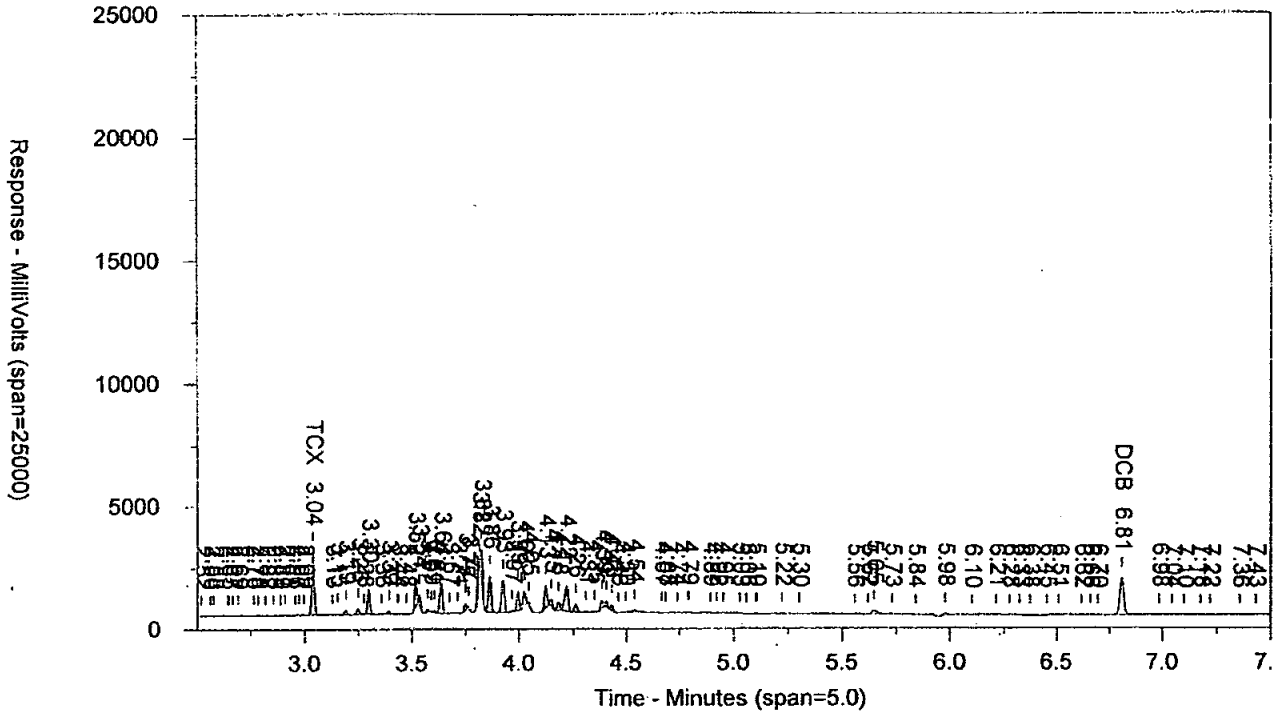

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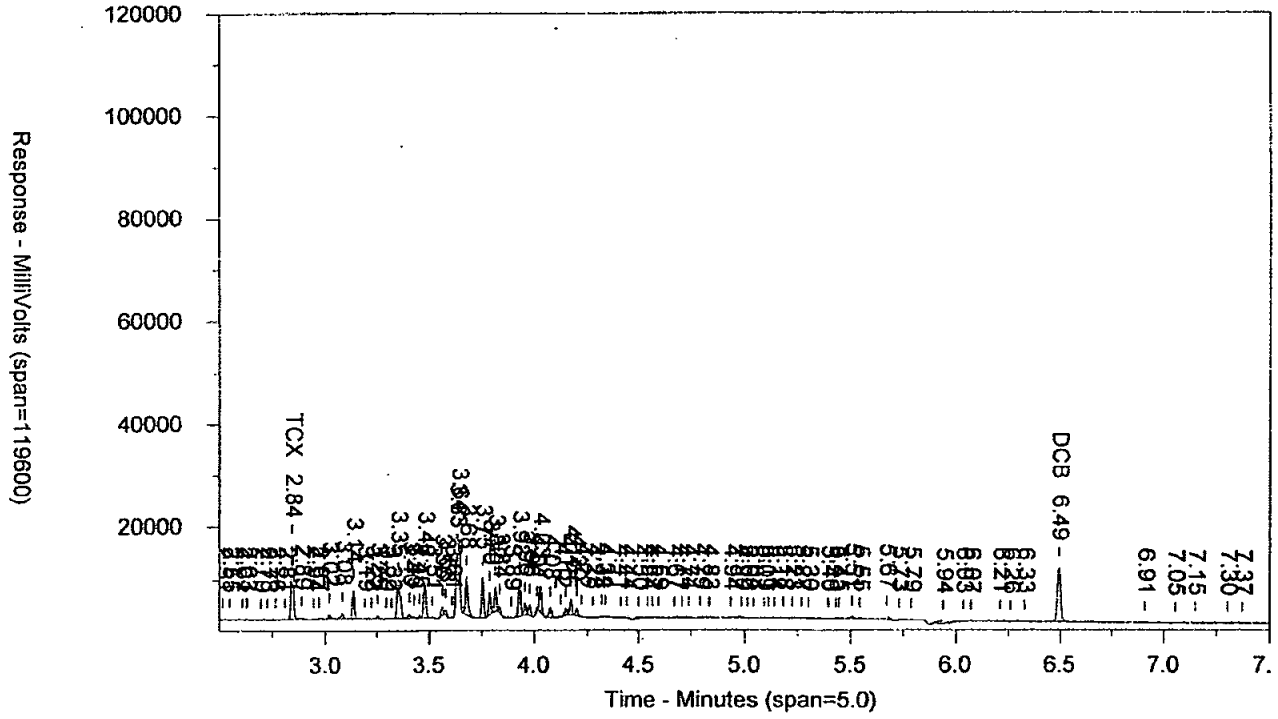

ASX67 8589

LANCASTER LABORATORIES

Sample Number: MD16X1224B AAMD16XAA ICAL 1218699999 Injection Volume: 1 ulSW-846 8082
Injected On: 7/6/2012 12:16:46 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0027.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.523		3988	4034
2.559		6624	8866
2.636		4558	16949
2.648		9409	9264
2.666		5869	7295
2.695		4612	3291
2.716		2375	1383
2.774		2038	918
2.794		1527	623
2.819		3117	2910
2.862		6380	4879
2.882		8604	5898
2.909		39536	30889
2.953		2208	2293
2.972		2794	2038
2.999		3157	2884
3.037	TCX	268852	205214
3.062		11500	8826
3.126		4074	4670
3.154		7890	6370
3.191		10209	9914
3.249		13959	12036
3.299		60691	49814
3.359		2517	1331
3.396		5961	7297
3.445		7831	10262
3.489		1347	2019
3.518		61270	41939
3.536		24966	12929
3.578		3062	3388
3.589		4248	2340
3.606		4502	1897
3.637		84045	71754
3.672		5742	8543
3.722		1878	2017
3.749		15904	11275
3.767		8022	4131
3.825		154220	236092
3.864		91212	80027
3.926		79683	72634
3.968		6082	4434
3.995		46984	37013
4.025		48091	86612
4.08		2144	1533
4.103		1845	1374
4.126		58895	49641
4.151		14442	8816
4.182		15619	10965
4.22		59565	65236
4.261		17372	14067
4.306		3392	2599
4.349		10684	11843
4.387		64895	53804
4.408		12637	36616

ASX67 0518

RT A	Compound A	Height A	Area A
4.471		7470	17305
4.506		4599	3385
4.545		60033	67457
4.651		1596	600
4.667		6372	10377
4.761		14959	23010
4.792		16574	11786
4.81		12841	6888
4.857		64005	79661
4.895		10309	7895
4.936		131875	155248
5.028		21935	25266
5.059		9283	7342
5.093		31170	37597
5.141		172943	236137
5.192		28468	26472
5.235		73613	93193
5.313		11744	13675
5.35		177104	220045
5.414		103209	106979
5.458		58055	64535
5.579		108382	160089
5.646		131764	283789
5.762		33163	35124
5.818		263688	644796
6.026		143309	276248
6.077		42149	79145
6.134		1538	1410
6.213		7182	9496
6.276		2280	1837
6.299		21998	22804
6.361		2867	2351
6.457		58497	82264
6.662		20255	23693
6.808	DCB	173130	222479
6.986		26845	41468
7.082		991	584
7.176		6282	11344
7.378		1275	784
7.469		750	184
7.548		1845	1345
7.626		1107	743
7.734		1638	3928
7.761		1640	1853
7.876		1511	2805
7.938		1965	2271
8.045		1296	1719
8.144		1473	884
8.204		1700	1042
8.228		1427	1097
8.413		1447	522
8.461		2071	1812
8.534		1804	2262

ASX67 8511

LANCASTER LABORATORIES

Sample Number: MD16X1224B AAMD16XAA ICAL 1218699999 Injection Volume: 1 ulSW-846 8082
Injected On: 7/6/2012 12:16:46 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0027.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.528		21484	27860
2.553		47225	86495
2.58		54057	58297
2.628		95316	302869
2.722		88596	174800
2.766		103993	147919
2.818		14119	12045
2.844	TCX	1357270	950874
2.885		24398	25122
2.945		10528	9607
2.97		77642	118213
3.019		66377	59986
3.07		12345	5416
3.084		39595	25108
3.136		287305	202653
3.188		9254	6226
3.221		14630	12547
3.252		37095	39664
3.295		36183	26416
3.324		28891	24036
3.351		399771	506357
3.404		37114	24850
3.426		20516	14966
3.453		31570	18514
3.478		363891	303145
3.516		24483	24235
3.563		208245	277016
3.63		184905	98963
3.64		346207	174836
3.677		368335	328024
3.754		406897	315146
3.789		211946	157086
3.816		254789	172764
3.835		59877	33528
3.891		21878	28268
3.928		474044	406252
3.957		193808	160649
3.979		92191	99133
4.012		36406	18573
4.03		278664	242890
4.076		198499	273465
4.126		18832	20573
4.148		70585	46153
4.172		337438	252434
4.198		69223	57259
4.238		34519	27194
4.278		310609	281072
4.353		22904	11716
4.383		10416	12961
4.396		7011	2876
4.442		108114	220558
4.501		197362	396041
4.549		48308	33289
4.578		339982	359315

ASX67 0512

RT B	Compound B	Height B	Area B
4.609		166204	212313
4.663		815574	831120
4.712		17967	15377
4.739		52753	40180
4.764		168793	136970
4.808		1143863	1326368
4.923		792857	869156
4.983		78683	80678
5.02		244148	232561
5.059		879941	835990
5.092		605199	536833
5.134		363955	372843
5.176		15509	18022
5.238		142436	161538
5.291		604212	594418
5.318		51363	29909
5.366		346469	372792
5.402		137344	114123
5.428		100652	84065
5.484		1704961	1748778
5.525		23467	19635
5.562		46906	49576
5.673		211447	200851
5.7		271962	246887
5.748		1021129	1164156
5.95		156543	985260
5.996		15926	18450
6.024		142790	145128
6.06		16512	22360
6.127		332454	379258
6.209		12731	13100
6.33		106382	157054
6.494	DCB	1036303	1108702
6.726		6257	4214
6.911		110985	201500
7.101		10108	13564
7.151		24137	39154
7.625		13703	28360
8.053		6557	5678
8.215		4289	2425
8.249		5966	7586
8.449		5227	2407
8.51		6680	3652
8.546		7341	17943

ASX67 8513

MD16X1224B **AAMD16XAA** **ICAL 1218699999** **SW-846 8082**

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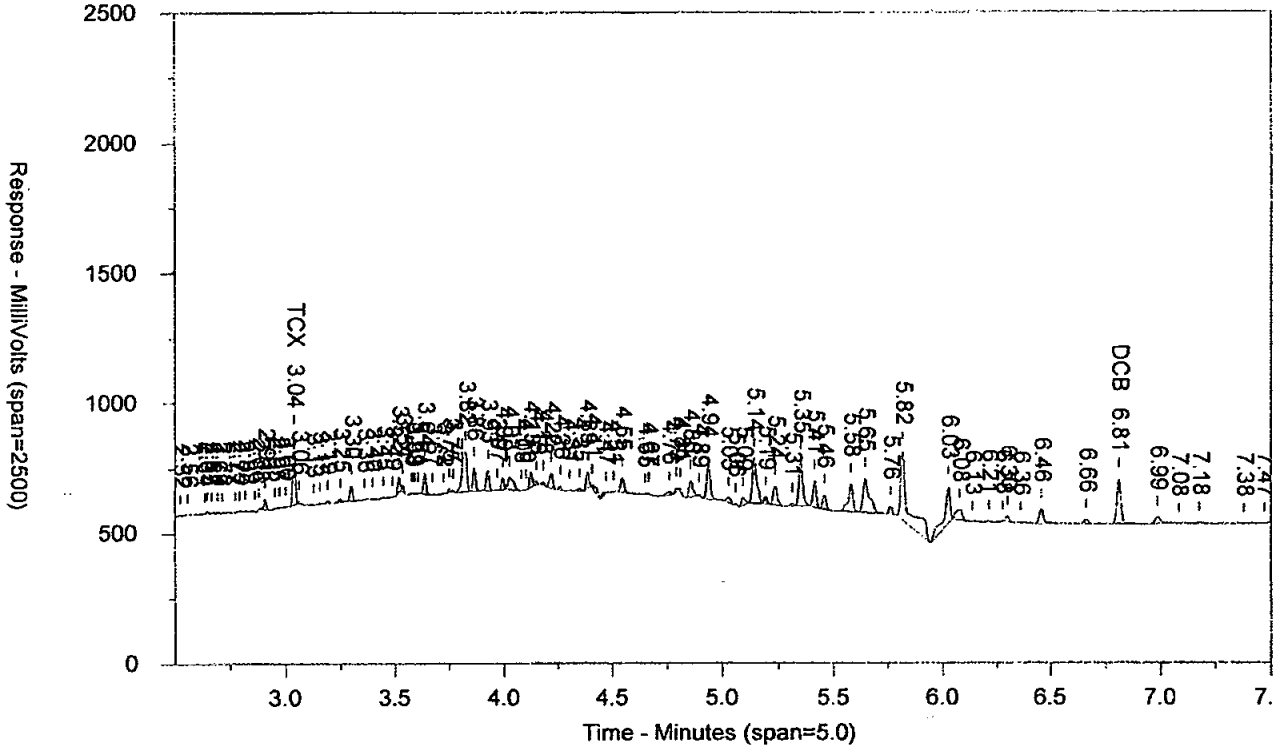

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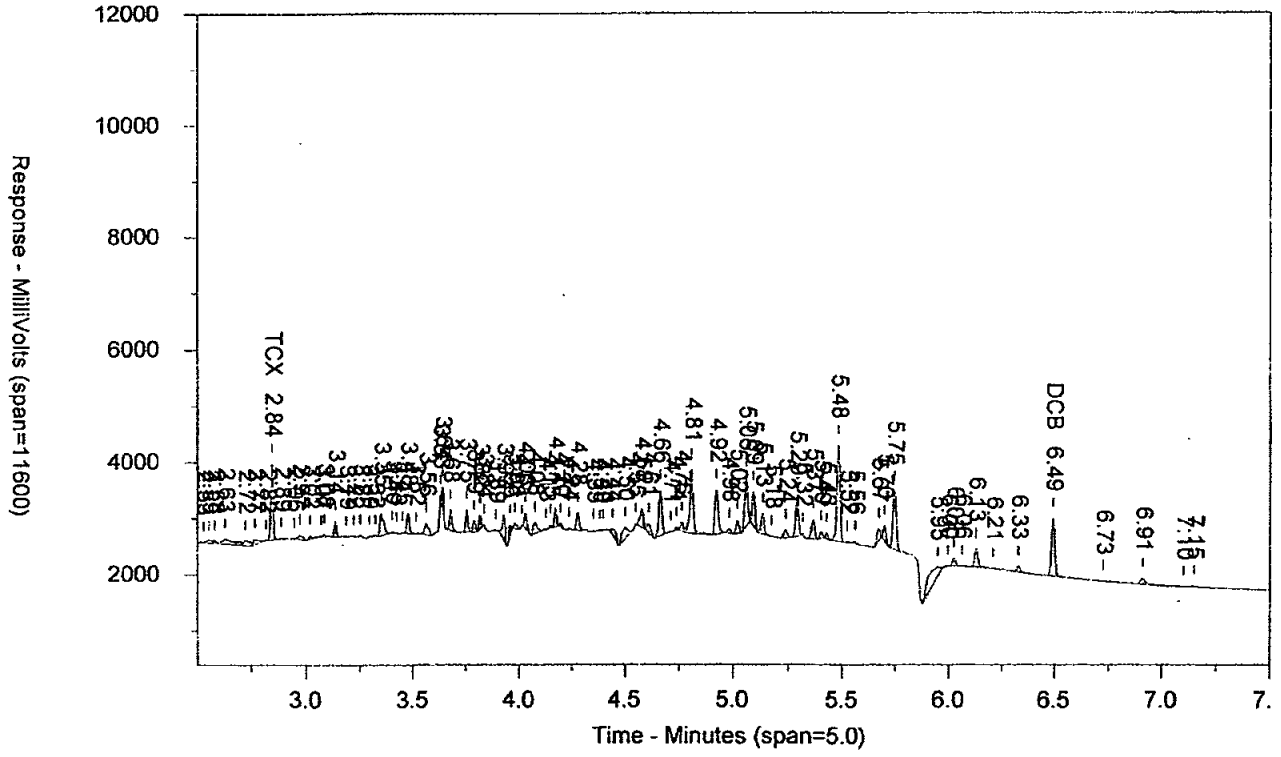

ASX67 0514

LANCASTER LABORATORIES

Sample Number: MD16X1224B AAMD16XAA ICAL 1218699999 Sample Weight: 1SW-846 8082
Injected On: 7/6/2012 12:16:46 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	268852	1.041	TCX	2.844	1357270	.908	TCX
6.808	173130	1.202	DCB	6.494	1036303	.99	DCB

Files:
Area File: 1p20188.0027.RAW
Area File: 1p20188B.0027.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 12:25:28 PM
File Reported On: 7/8/2012 at 3:38:43 PM

ASX67 0515

MD16X1224B AAMD16XAA ICAL 1218699999 SW-846 8082

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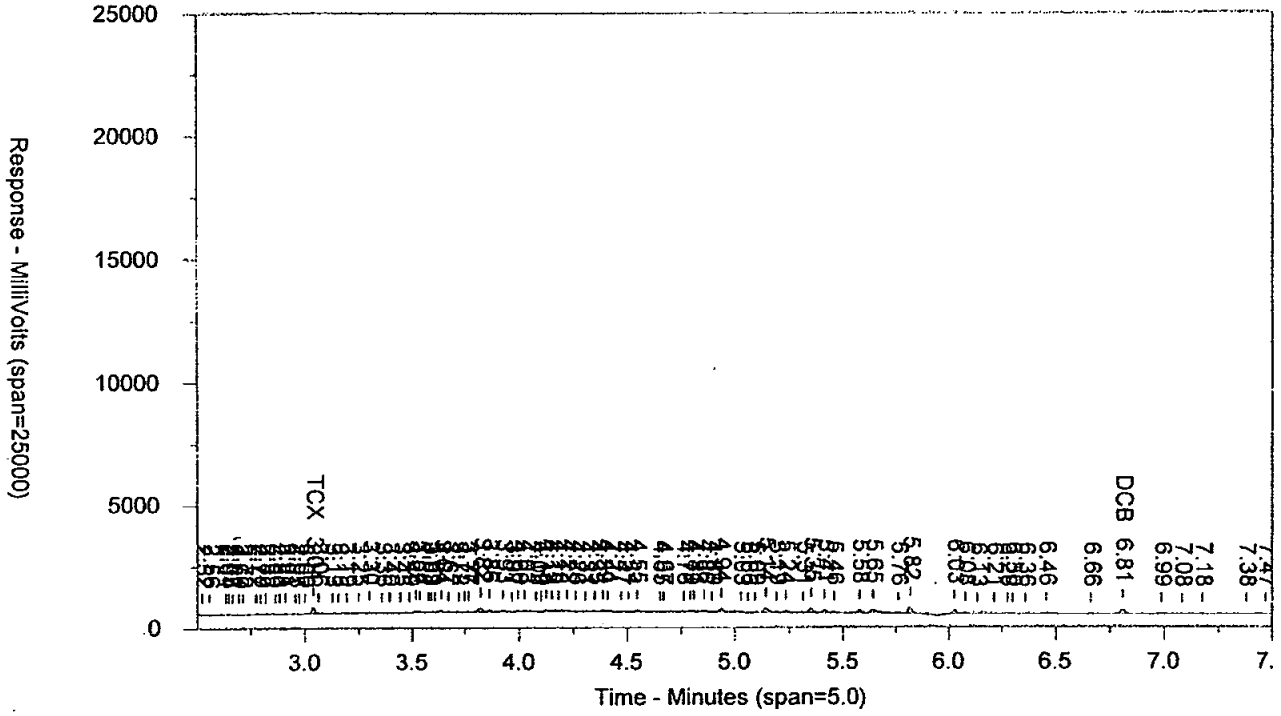

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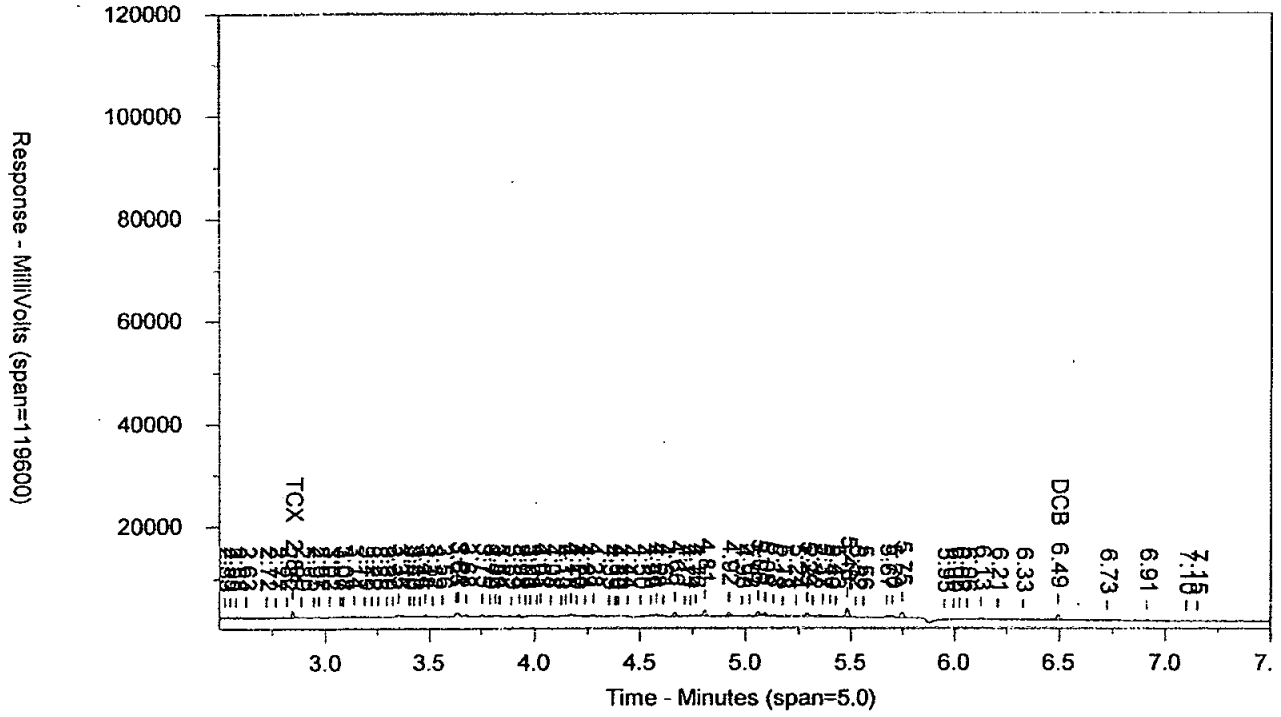

ASX67 9516

LANCASTER LABORATORIES

Sample Number: IC16X1224B AAIC16XAA CCAL 1218699999 Injection Volume: 1 SW-846 8082
Injected On: 7/6/2012 12:28:16 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0028.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.537		958	2031
2.553		2133	1190
2.62		1822	1360
2.647		6385	4729
2.666		10707	10784
2.694		5672	3786
2.726		2502	1418
2.753		5556	5666
2.78		1945	1148
2.816		3813	4849
2.857		3731	3996
2.883		4665	2807
2.909		143790	107119
2.954		5361	4936
2.996		3410	3607
3.037	TCX	10620710	8093591
3.125		1874	836
3.191		158540	147226
3.247		264817	282203
3.299		971271	778142
3.376		19705	10873
3.395		115854	85325
3.441		8426	10893
3.477		2723	1830
3.519		959307	662391
3.536		389086	226327
3.574		117745	77431
3.591		16962	6500
3.606		78284	46842
3.637		1251376	1079963
3.674		7515	4442
3.696		16776	11174
3.713		31792	20528
3.75		277076	182974
3.766		108378	60459
3.814		295942	258606
3.825		986330	670646
3.865		1528259	1313262
3.927		1332515	1191547
3.968		92531	68916
3.996		791607	672856
4.024		592789	545072
4.047		145915	83214
4.127		879486	765708
4.151		278491	205769
4.183		313149	252703
4.22		786413	908940
4.261		224798	212764
4.31		24003	21841
4.351		33053	31155
4.387		831854	939892
4.431		126055	97508
4.467		13209	16800
4.502		123822	125540

ASX67 8517

RT A	Compound A	Height A	Area A
4.547		889338	1017121
4.666		12642	11823
4.693		39249	35377
4.762		352977	567391
4.81		496183	565200
4.858		945582	1197549
4.896		178954	141296
4.937		1854337	2136837
4.984		4016	3429
5.03		309316	381964
5.061		12137	6163
5.09		385991	421663
5.143		2354925	3450374
5.193		432852	444656
5.236		1184994	1510267
5.315		197342	236340
5.351		2489033	3244398
5.415		1474166	1621096
5.458		878736	1031216
5.559		53910	107829
5.58		1302476	1382929
5.639		797361	873214
5.678		383803	385041
5.72		79820	81224
5.762		557434	651500
5.818		3731703	5031142
6.026		1989461	2292909
6.067		78555	106120
6.075		165403	202199
6.214		124623	146920
6.276		23217	25171
6.3		366749	380135
6.367		3120	2785
6.407		3756	3939
6.457		950566	1082561
6.504		52731	57416
6.661		330479	429811
6.809	DCB	5487694	7026078
6.987		36557	56494
7.156		3441	3485
7.226		6028	12060
7.302		2751	3375
7.523		1153	1471
7.69		8988	15827
7.84		1090	299
7.886		3769	5943
7.941		8291	15651
8.027		1110	631
8.161		1532	620
8.217		1638	717
8.345		2419	5534
8.418		1273	644
8.448		1396	887
8.676		5519	8496

ASX67 0518

LANCASTER LABORATORIES

Sample Number: IC16X1224B AAIC16XAA CCAL 1218699999 Injection Volume: 1 SW-846 8082
Injected On: 7/6/2012 12:28:16 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0028.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.511		42661	33150
2.548		34925	64818
2.582		46520	42131
2.631		45462	67218
2.696		33529	31465
2.723		50455	86226
2.764		43548	28650
2.81		9762	4402
2.844	TCX	61756650	42905000
2.887		333951	259209
2.913		16186	5787
2.939		13017	10963
2.97		107998	160713
3.018		866284	673919
3.072		205039	121692
3.082		529187	270057
3.136		4907163	3608371
3.193		164970	118542
3.223		13669	5377
3.253		649070	471257
3.301		16409	19173
3.32		24389	19387
3.35		6713802	7667798
3.404		801254	541551
3.427		300339	185062
3.452		475240	293143
3.478		6214399	5129980
3.515		183719	131093
3.562		1555585	960666
3.578		884961	468748
3.632		1405363	1225822
3.641		7393726	3820763
3.677		7042347	6125067
3.755		7425169	5703491
3.789		4193902	3091362
3.816		4683669	3198385
3.836		1340747	794065
3.885		15194	13776
3.93		5702229	4459370
3.956		2069745	1321633
3.978		1651964	1213919
4.013		696538	411356
4.03		3641346	2623691
4.077		1353334	1249526
4.124		110044	94046
4.149		534145	360495
4.172		4743967	3905427
4.2		656484	447569
4.223		15960	6085
4.239		651074	522431
4.279		5317326	4615502
4.32		159643	123978
4.338		164302	193026
4.404		20588	31725

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RT B	Compound B	Height B	Area B
4.439		341955	532152
4.5		1370940	1492082
4.549		741940	532327
4.579		6108437	6034906
4.607		2185705	2505239
4.664		12292900	12062760
4.713		169097	134801
4.739		900553	683190
4.763		3129048	2739991
4.809		19232030	19015740
4.922		13917340	14799960
4.982		1408278	1433123
5.02		4210090	4081377
5.06		14332390	14530200
5.092		10632100	9489487
5.133		6817803	6523802
5.239		2368942	2894107
5.291		10925470	10587270
5.318		740598	505347
5.366		6314498	6546186
5.403		2356271	1984478
5.428		1731268	1529205
5.484		32295710	33338580
5.525		501625	419934
5.562		940966	913332
5.676		288152	234259
5.7		5860107	5691263
5.748		18532330	24845970
5.905		720256	822716
5.947		370059	341650
5.973		153570	127495
6.024		2768405	2910922
6.127		6186105	6319988
6.159		191741	150023
6.263		16799	22802
6.33		2273353	2351376
6.494	DCB	42401190	45952820
6.685		22276	22974
6.789		10239	8831
6.842		42938	50693
6.911		186999	351394
7.149		25770	44429
7.37		54886	84441
7.429		5904	4170
7.535		17553	25224
7.635		7028	26019
7.739		10127	16276
8.134		3680	3131
8.326		6356	7737
8.348		6694	5762
8.39		6210	2098
8.464		5413	4267

ASX67 9528

IC16X1224B AAIC16XAA CCAL 1218699999 SW-846 8082

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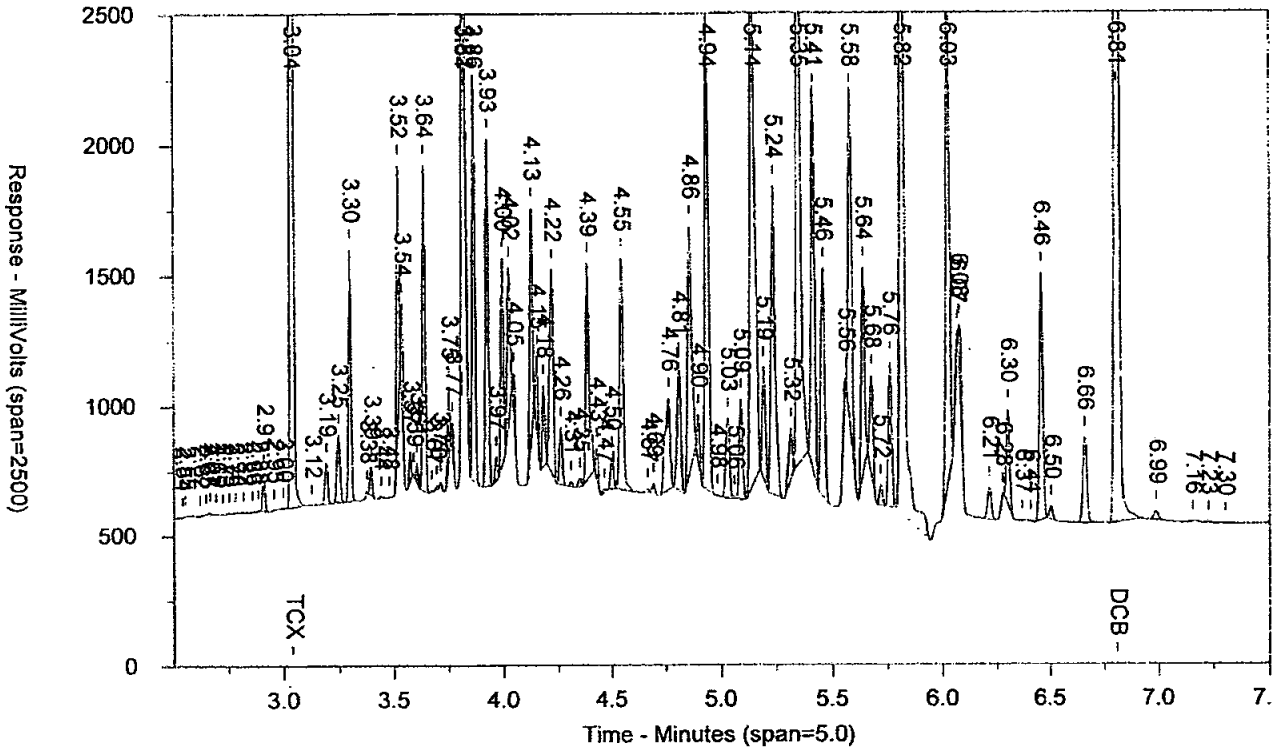

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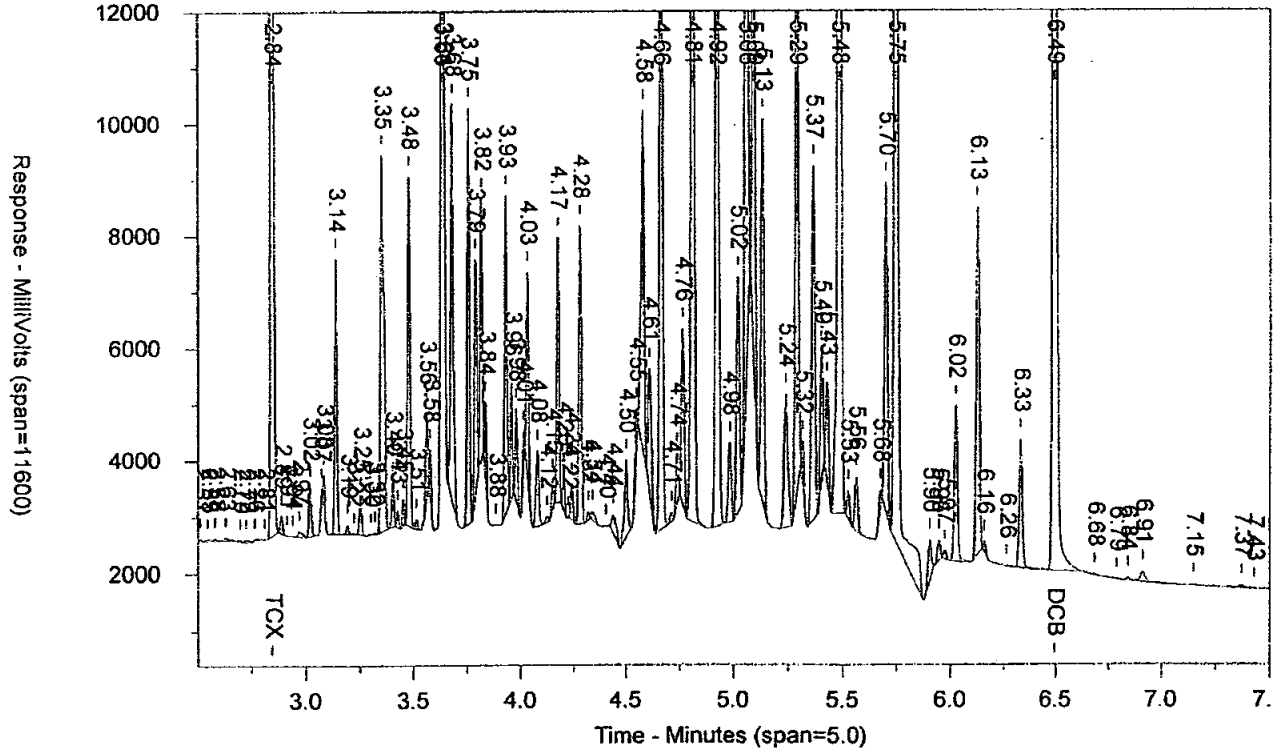

ASX67 8521

LANCASTER LABORATORIES

Sample Number: IC16X1224B AAIC16XAA CCAL 1218699999 Sample Weight: SW-846 8082
Injected On: 7/6/2012 12:28:16 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10620710	41.133	TCX	2.844	61756650	41.293	TCX
6.809	5487694	38.094	DCB	6.494	42401190	40.513	DCB

Files:
Area File: 1p20188.0028.RAW
Area File: 1p20188B.0028.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 12:37:01 PM
File Reported On: 7/8/2012 at 3:38:47 PM

ASX67 8522

IC16X1224B AAIC16XAA CCAL 1218699999 SW-846 8082

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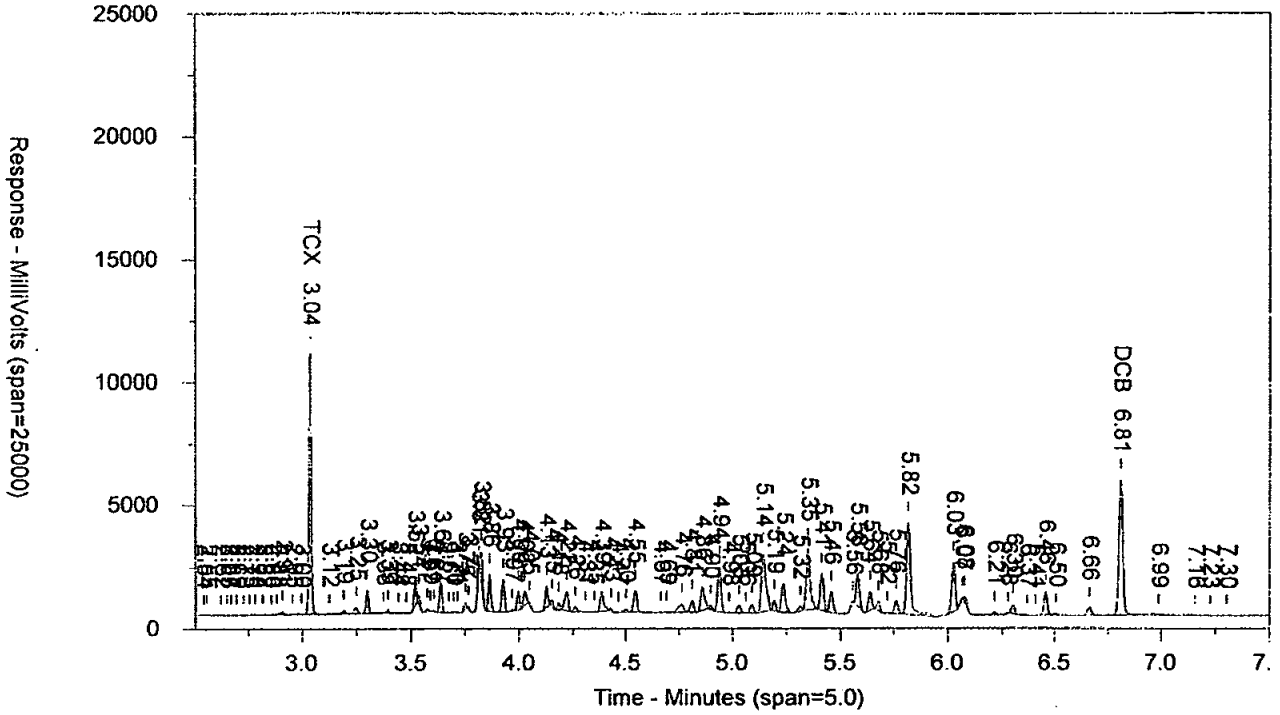

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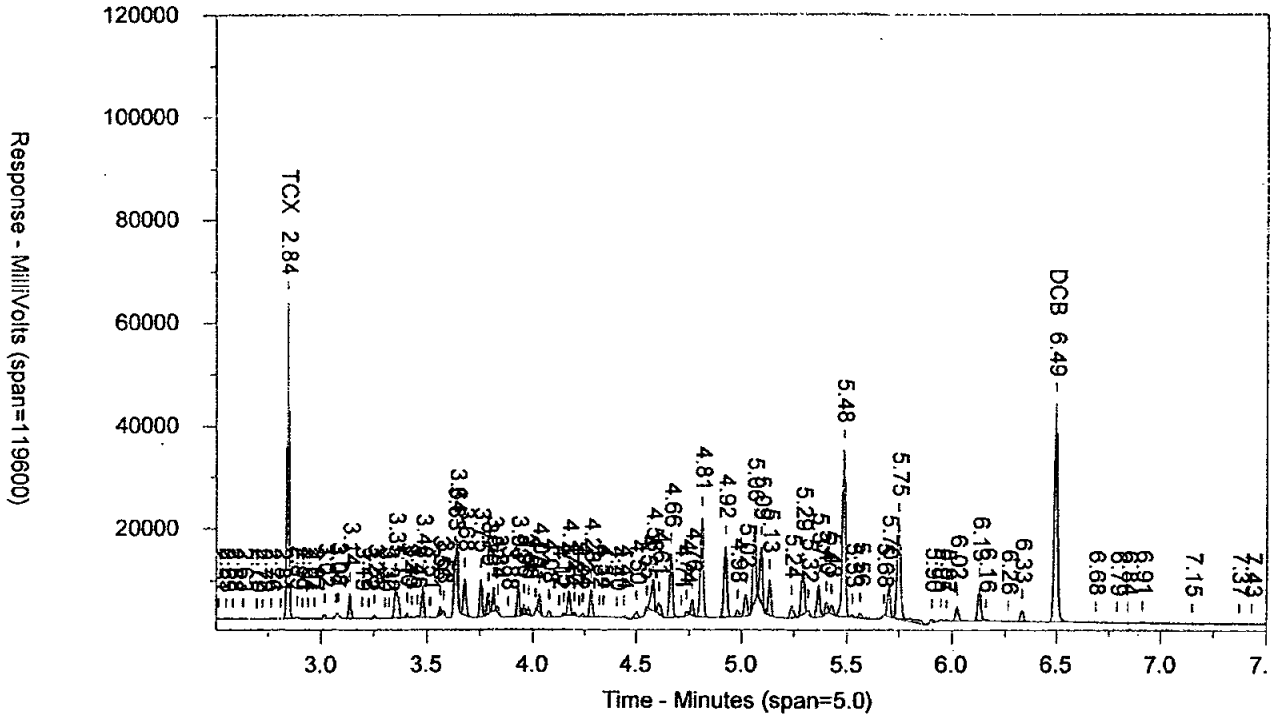

ASX67 8523

LANCASTER LABORATORIES

Sample Number: IC54X1224A AAIC54XAA CCAL 1218699999 Injection Volume: 1 SW-846 8082
Injected On: 7/6/2012 12:51:06 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0030.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.543		2802	4571
2.581		7688	24871
2.648		8146	11905
2.674		5057	3244
2.696		4638	4340
2.724		1943	1353
2.752		1610	477
2.817		3377	3529
2.847		1708	767
2.883		3394	2158
2.909		35014	29231
2.954		2507	2871
2.971		2313	1674
2.998		2115	1182
3.037	TCX	10429840	8042522
3.125		3061	1606
3.151		10212	8518
3.191		3909	3695
3.241		163665	130772
3.298		22934	18998
3.375		37035	31341
3.398		2005	1391
3.44		7678	8833
3.491		2315	2554
3.518		25067	16446
3.535		7790	3816
3.578		2196	2101
3.589		3194	1540
3.636		37173	39694
3.668		4428	3612
3.695		26783	20490
3.719		2326	964
3.75		6551	4011
3.769		3564	1748
3.794		3424	1115
3.812		27010	17197
3.826		21808	16822
3.863		32886	27287
3.925		38022	37498
3.995		1125127	972670
4.023		276902	216761
4.046		23972	14144
4.125		693080	663814
4.151		30487	17721
4.182		56527	48326
4.22		318652	305718
4.261		63393	58063
4.294		10031	11422
4.347		62458	59888
4.386		1489713	1220335
4.405		483215	328299
4.432		470918	385940
4.501		506951	506541
4.545		2593488	2959685

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RT A	Compound A	Height A	Area A
4.581		874666	864121
4.624		28656	20495
4.647		163195	151178
4.691		870366	959622
4.745		1680696	1750935
4.777		320548	220315
4.809		3173874	3265364
4.858		259132	343183
4.896		428622	402089
4.937		1043807	1273452
4.987		243176	247579
5.031		2413941	2777989
5.061		17739	8813
5.088		236186	221929
5.113		22074	10453
5.141		1410335	2407290
5.191		24575	18244
5.233		1955220	2215130
5.278		178957	165168
5.305		176939	230204
5.351		2413535	3430087
5.413		41832	32034
5.457		110249	151385
5.561		813668	1295527
5.639		106287	118252
5.677		83884	81895
5.718		9590	8430
5.76		541384	560637
5.786		46581	28485
5.818		392759	412339
5.855		17446	179270
6.026		297990	415180
6.057		41858	38781
6.214		52414	64650
6.272		18259	18177
6.298		5291	3940
6.364		3860	5186
6.458		19648	24833
6.66		51383	58617
6.809	DCB	5250824	6996405
6.987		12417	22764
7.152		7473	16402
7.219		5846	12027
7.297		1845	1067
7.353		1071	613
7.442		1191	671
7.621		1624	1620
7.686		8845	14251
7.841		891	214
7.881		4299	5813
7.942		8362	15079
8.064		1476	532
8.101		1231	377
8.202		1520	653
8.244		1011	549
8.29		1165	652
8.416		1400	1761
8.439		1768	649
8.505		1556	733
8.575		2124	2316

LANCASTER LABORATORIES

Sample Number: IC54X1224A AAIC54XAA CCAL 1218699999 Injection Volume: 1 SW-846 8082
Injected On: 7/6/2012 12:51:06 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0030.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.515		18201	19717
2.547		29338	39715
2.584		37316	49846
2.63		57698	106924
2.725		58179	95059
2.768		27848	22332
2.812		11860	6371
2.844	TCX	62516500	42512220
2.939		15298	5288
2.972		84390	112360
3.013		36041	32073
3.05		14143	9790
3.071		790663	561008
3.137		96563	73830
3.192		156149	119096
3.228		19634	18785
3.3		21991	19948
3.32		25708	25689
3.35		177710	248973
3.452		17091	8694
3.479		137367	114709
3.513		22402	23853
3.547		109016	62113
3.565		73962	80158
3.605		25782	16768
3.63		340209	417783
3.662		80486	38242
3.676		75883	45594
3.733		6323	3455
3.755		178526	137243
3.789		5925980	4553870
3.815		1652079	1123368
3.835		130760	66410
3.889		26057	21296
3.93		4120087	3178165
3.956		267545	165516
3.979		312310	270210
4.03		1760090	1598262
4.077		421338	455076
4.116		248736	226205
4.148		1250053	812213
4.173		16012150	12906440
4.2		1449227	911532
4.223		763435	446238
4.24		2382923	1642009
4.279		14860160	12806940
4.314		5299850	4200425
4.337		2824283	2157148
4.401		1046119	930007
4.439		5305994	5044031
4.501		11893420	10975930
4.537		2555827	1999144
4.566		20210050	18848100
4.606		1414377	1561082

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RT B	Compound B	Height B	Area B
4.664		8806336	10176130
4.703		1587157	1388626
4.739		16685040	14586400
4.764		1738687	1239813
4.809		10625310	10323800
4.84		469152	351776
4.921		8380192	8847807
4.977		10683170	10488600
5.018		2576353	2511904
5.06		16146060	20533120
5.111		888878	631791
5.133		391902	273792
5.2		216609	220508
5.253		1124084	1207256
5.291		733474	564924
5.317		4661327	4334665
5.366		676599	651169
5.403		480054	412432
5.428		194624	158297
5.464		2205663	1784500
5.483		1449120	899804
5.55		16876	40208
5.674		84454	86568
5.697		63218	53011
5.745		2500118	5998888
5.908		304341	426104
5.948		125627	128513
5.979		8854	6481
5.995		16339	8734
6.026		65561	63238
6.128		105556	122925
6.159		13184	16147
6.194		13649	30626
6.331		285439	304351
6.368		12583	13116
6.494	DCB	40464570	45247360
6.84		42579	60198
6.913		85561	136949
7.043		10224	28316
7.155		27164	46224
7.24		12965	41692
7.369		50255	70571
7.506		6469	5541
7.531		18768	27856
7.6		22981	33297
7.842		5797	13618
8.189		6928	5258
8.351		4260	2175
8.53		6184	11294
8.607		5991	3802
8.659		9757	25269

IC54X1224A AAIC54XAA CCAL 1218699999 SW-846 8082

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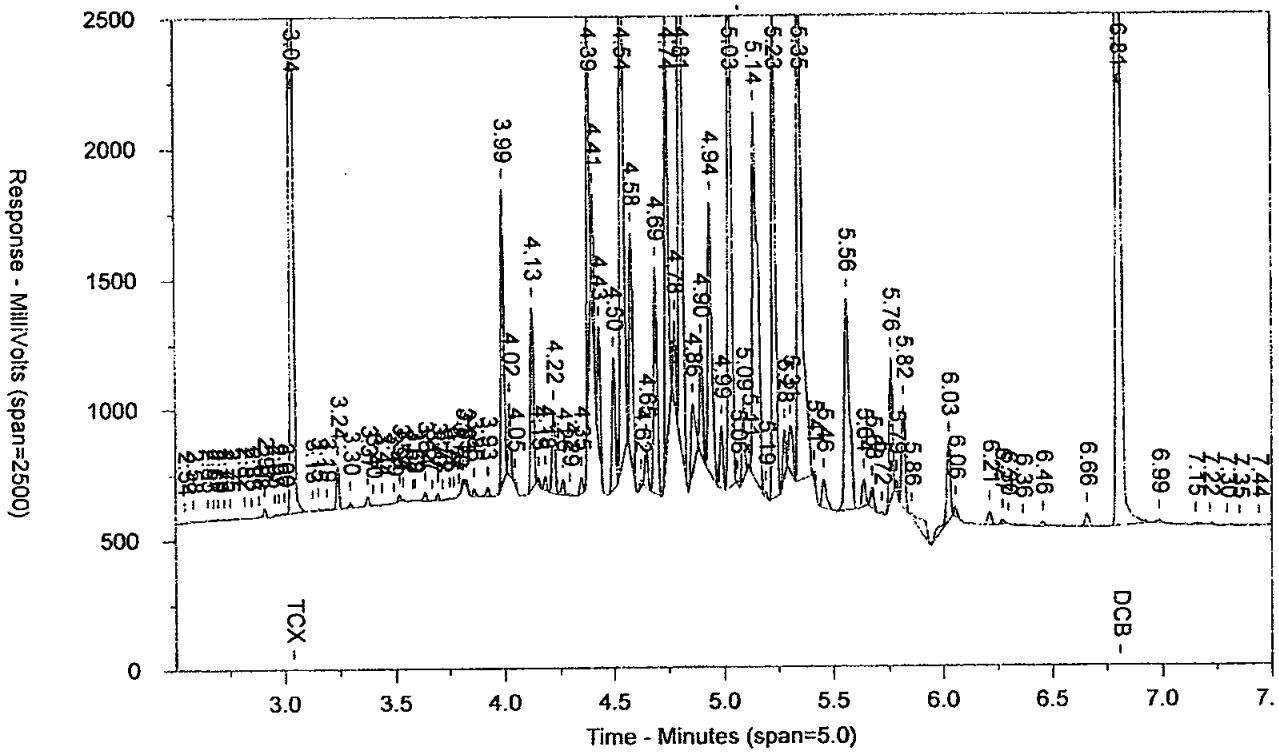

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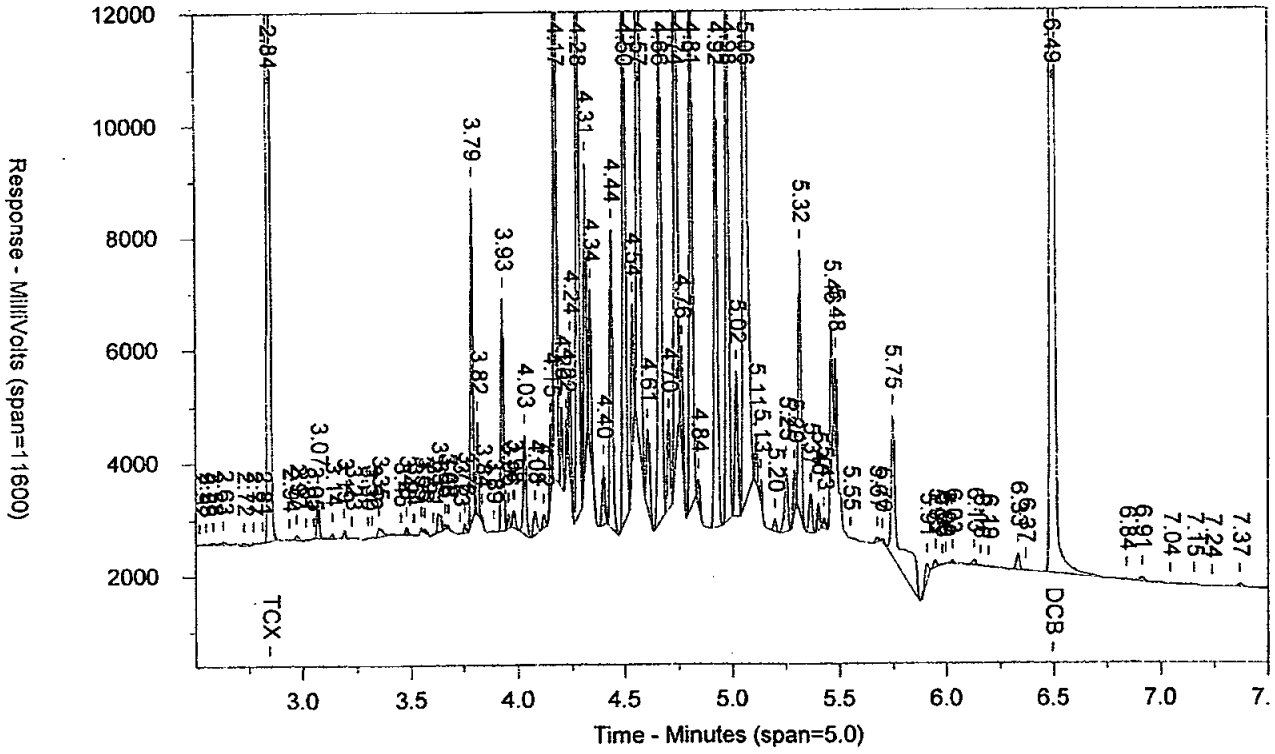

ASX67 8528

LANCASTER LABORATORIES

Sample Number: IC54X1224A AAIC54XAA CCAL 1218699999 Sample Weight: SW-846 8082
Injected On: 7/6/2012 12:51:06 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10429840	40.394	TCX	2.844	62516500	41.802	TCX
6.809	5250824	36.45	DCB	6.494	40464570	38.662	DCB

Files:
Area File: 1p20188.0030.RAW
Area File: 1p20188B.0030.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 12:59:51 PM
File Reported On: 7/8/2012 at 3:38:59 PM

ASX67 0529

IC54X1224A AAIC54XAA CCAL 1218699999 SW-846 8082

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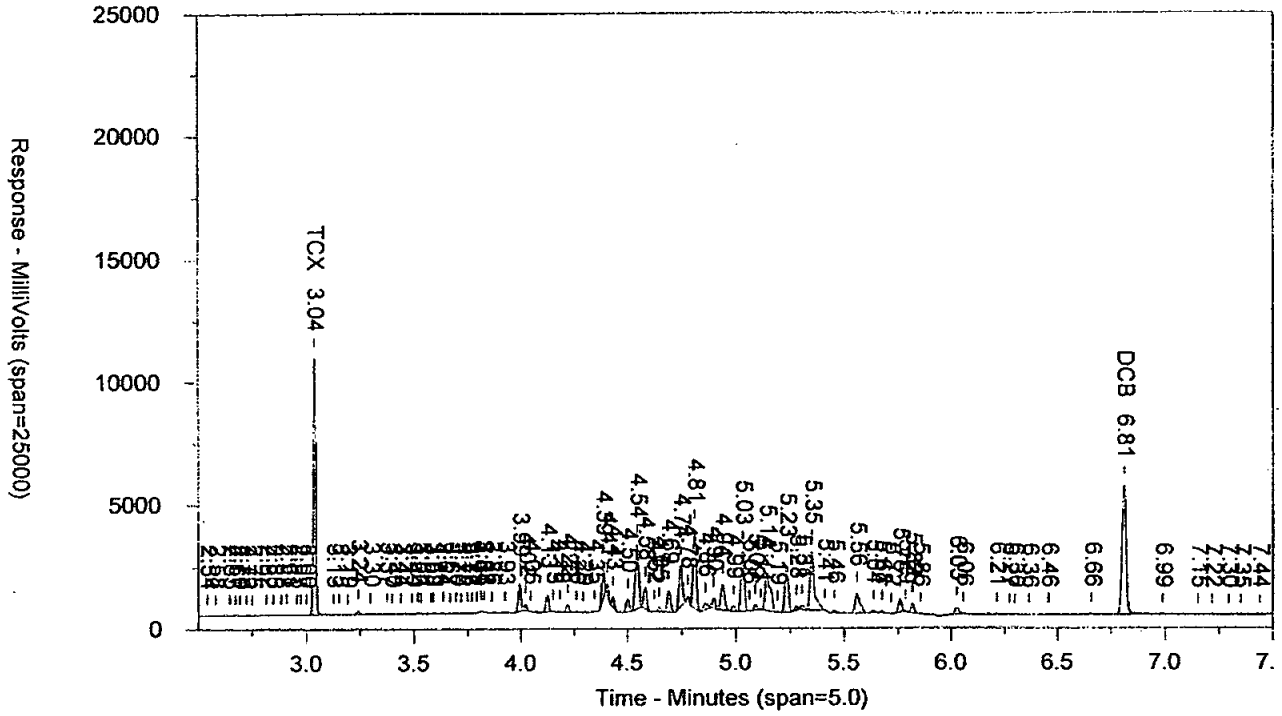

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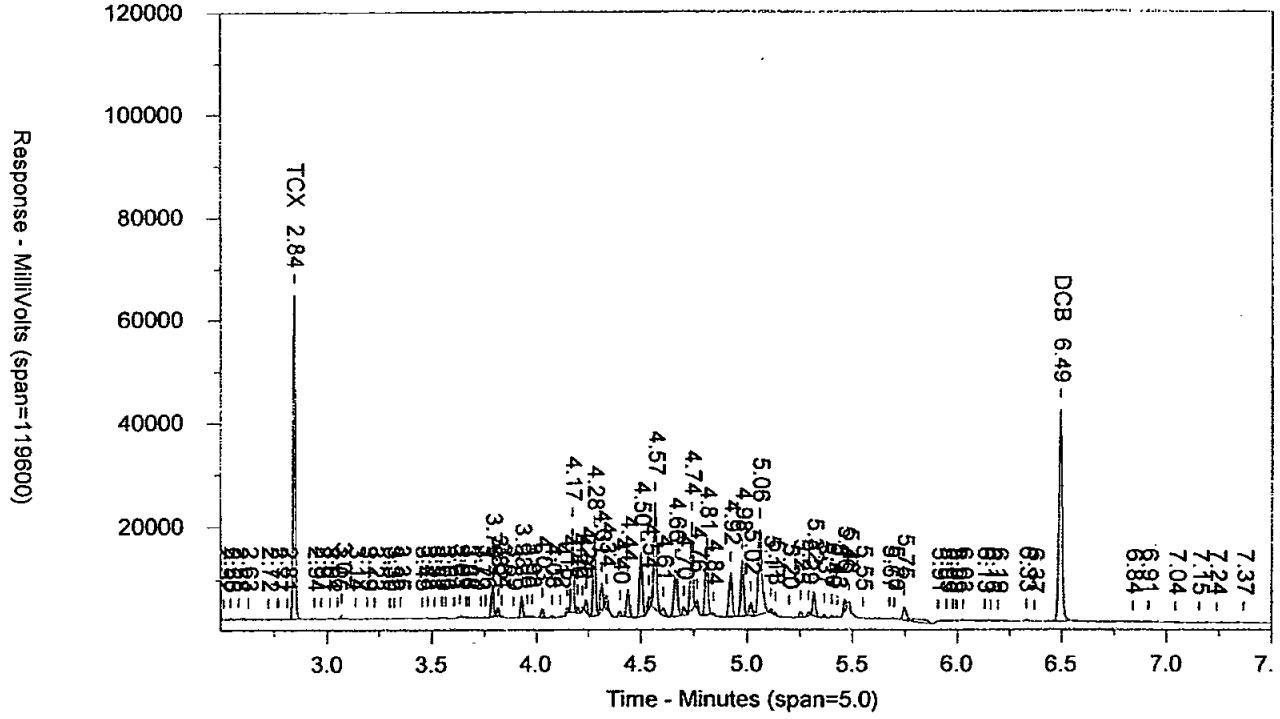

ASX67 0538

LANCASTER LABORATORIES

Sample Number: AR1631224B QMAR163QM CCAL 1218699999 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 4:16:15 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0048.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.521		5363	4021
2.541		4125	2843
2.559		7402	6236
2.575		8538	14167
2.644		18089	21568
2.665		14894	14829
2.694		5667	5794
2.731		1222	510
2.786		3272	4975
2.818		3405	3084
2.86		4997	4639
2.884		10495	8624
2.909		21084	19981
2.953		4543	3909
2.97		6056	4646
2.994		4535	2838
3.037	TCX	10523190	8133661
3.125		4861	5201
3.151		4636	3341
3.191		161339	146579
3.246		257738	277779
3.299		952227	750301
3.376		18578	10261
3.394		107367	74582
3.447		7475	11960
3.518		877772	604717
3.536		380902	216194
3.573		109057	73248
3.589		17916	6840
3.605		77212	47885
3.637		1161694	991378
3.674		5277	3300
3.696		18095	11317
3.712		27542	18021
3.749		244416	161271
3.765		115446	61398
3.824		2255879	3289496
3.864		1354584	1201622
3.925		1160390	1086374
3.966		81349	60913
3.994		751435	619193
4.023		526624	492735
4.045		113336	68945
4.125		828295	716766
4.15		270984	197164
4.183		323417	251645
4.219		886886	1013085
4.261		280169	266429
4.308		42862	39733
4.35		50974	49143
4.385		801270	678854
4.406		156568	84558
4.43		226008	179907
4.466		2468	667

ASX67 0531

RT A	Compound A	Height A	Area A
4.501		120206	121839
4.546		855522	944245
4.619		2030	1134
4.651		4552	8536
4.692		36334	34544
4.761		346489	548100
4.808		473368	515181
4.856		860913	1100586
4.895		148921	120884
4.935		1745781	1981383
5.028		276634	337852
5.062		12577	9341
5.089		351207	378748
5.14		2157511	3186168
5.192		390032	405203
5.234		1036001	1372293
5.314		163064	205295
5.35		2345004	2973034
5.414		1375516	1484946
5.457		795998	910190
5.555		94958	93696
5.578		1157845	1248227
5.637		672483	737098
5.676		359005	360391
5.717		65884	70486
5.762		527752	579294
5.817		3524833	4475223
5.981		12452	33551
6.025		1874326	2124617
6.064		74488	89046
6.074		148388	203173
6.212		111696	140093
6.275		25554	25315
6.298		315419	345276
6.361		1637	1342
6.455		807433	969579
6.502		45345	53099
6.579		2109	2175
6.619		1951	631
6.661		298566	391369
6.753		2183	1858
6.81	DCB	5262879	6698184
6.984		25071	38378
7.095		2285	1561
7.153		7373	15362
7.231		5100	9278
7.311		2399	3890
7.358		1074	1178
7.449		2036	1573
7.516		11231	31512
7.631		9688	44783
7.688		9250	38686
7.878		3128	4332
7.939		6524	11561
7.998		1404	855
8.056		1726	1079
8.091		2738	7232
8.179		1527	1028
8.237		1700	1089
8.287		1112	365
8.325		2248	2857
8.443		1047	2468
8.519		1248	1400
8.648		2130	5631

ASX67 8532

LANCASTER LABORATORIES

Sample Number: AR1631224B QMAR163QM CCAL 1218699999 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 4:16:15 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0048.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.511		44129	38104
2.579		76522	190294
2.629		150537	293103
2.66		96028	141320
2.694		87973	124569
2.725		123147	193165
2.766		108799	142034
2.812		17929	8631
2.845	TCX	61933790	42601150
2.888		323258	257949
2.97		71942	124043
3.019		831996	641317
3.055		8274	4500
3.082		1022806	1211419
3.137		4742284	3414272
3.193		160004	101897
3.254		556801	422141
3.302		14029	12629
3.318		13219	9565
3.351		5832060	6739976
3.405		656724	466510
3.427		260868	158450
3.453		403594	252500
3.479		5380455	4426594
3.515		163054	113322
3.563		1427917	879124
3.578		600338	305341
3.607		14092	7742
3.641		12161200	14232750
3.678		5874960	5200216
3.756		6263460	4760032
3.789		3658870	2632330
3.816		3720020	2598048
3.836		1104003	643520
3.892		23571	16958
3.93		5066974	3926188
3.956		1645425	1097379
3.979		1591380	1129638
4.013		585273	339985
4.031		3933945	2879148
4.078		1493468	1377857
4.125		163314	137307
4.149		1054250	711539
4.173		5432544	4210556
4.201		1128117	802581
4.223		59981	25260
4.24		496729	366399
4.279		4464427	3910376
4.32		128753	91806
4.338		212073	210562
4.439		217115	275659
4.501		1012074	989142
4.549		788933	535129
4.579		4786690	4984394

ASX67 8533

RT B	Compound B	Height B	Area B
4.609		1923362	2131465
4.664		10414710	9927267
4.712		138792	107626
4.739		761085	564968
4.764		2581427	2303334
4.81		16011770	15518780
4.876		30917	49048
4.923		11823210	12250730
4.983		1004920	985785
5.02		3225555	3239105
5.059		11936760	11798400
5.092		8736387	7574308
5.133		5279923	4941736
5.239		1885495	2255263
5.292		8586752	8174516
5.318		552811	391138
5.366		4556222	4891554
5.403		1882087	1606317
5.427		1056156	876414
5.484		24203380	25590890
5.526		373196	304066
5.563		675320	652450
5.678		107425	95711
5.7		4548241	4416794
5.749		12479880	15476650
5.904		583361	674898
5.947		284202	267774
5.973		117378	102575
6.025		2106480	2231443
6.128		4703227	4900844
6.159		135526	110408
6.267		14151	6897
6.331		1667860	1754693
6.391		9572	8853
6.42		8971	6990
6.495	DCB	32769540	36588850
6.627		11434	26854
6.684		15188	82959
6.792		7297	5162
6.841		41511	81302
6.912		118118	221059
7.157		33133	83515
7.287		7607	12902
7.328		5929	2094
7.37		37942	54346
7.412		9620	51808
7.596		47319	123392
7.689		7052	1661
7.723		7118	7296
7.736		6772	3676
7.933		24914	61350
8.028		5664	3252
8.18		6236	3997
8.202		4907	2320
8.268		11611	31188
8.309		8328	19681
8.495		13163	36224
8.589		5472	2936

ASX67 8534

AR1631224B QMAR163QM CCAL 1218699999 SW-846 8082

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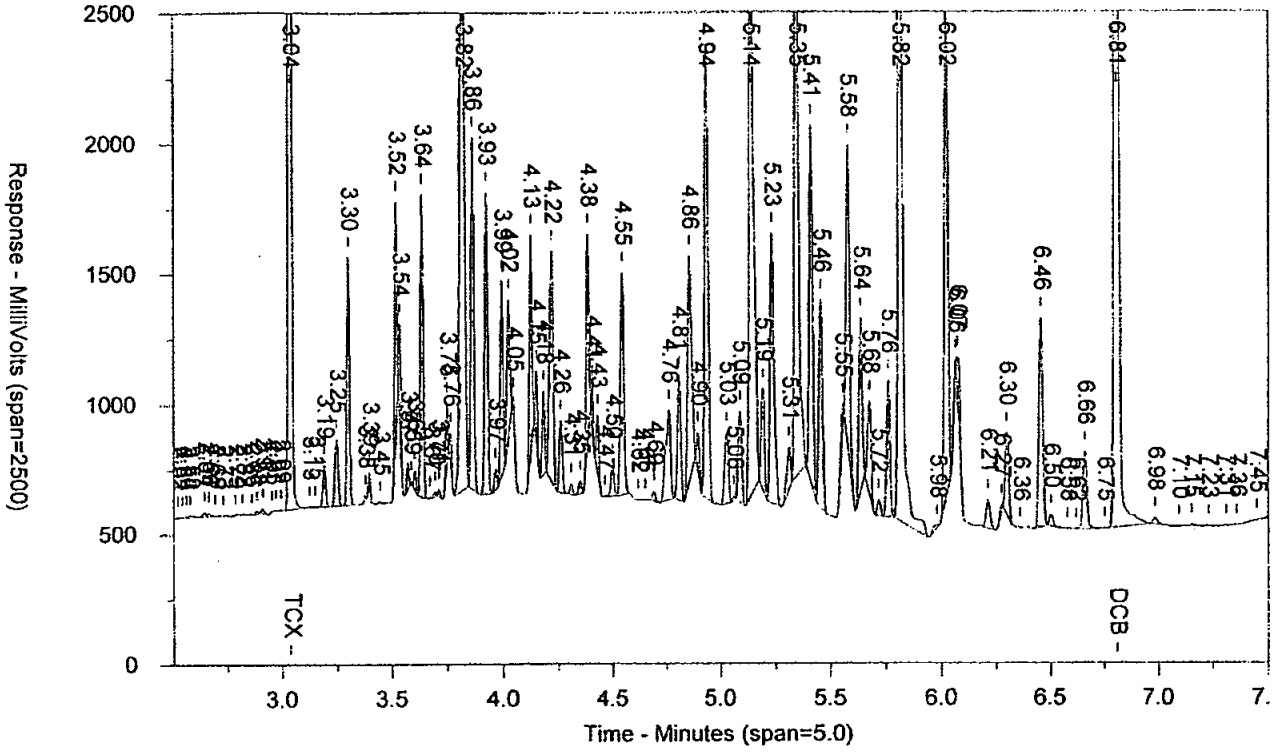

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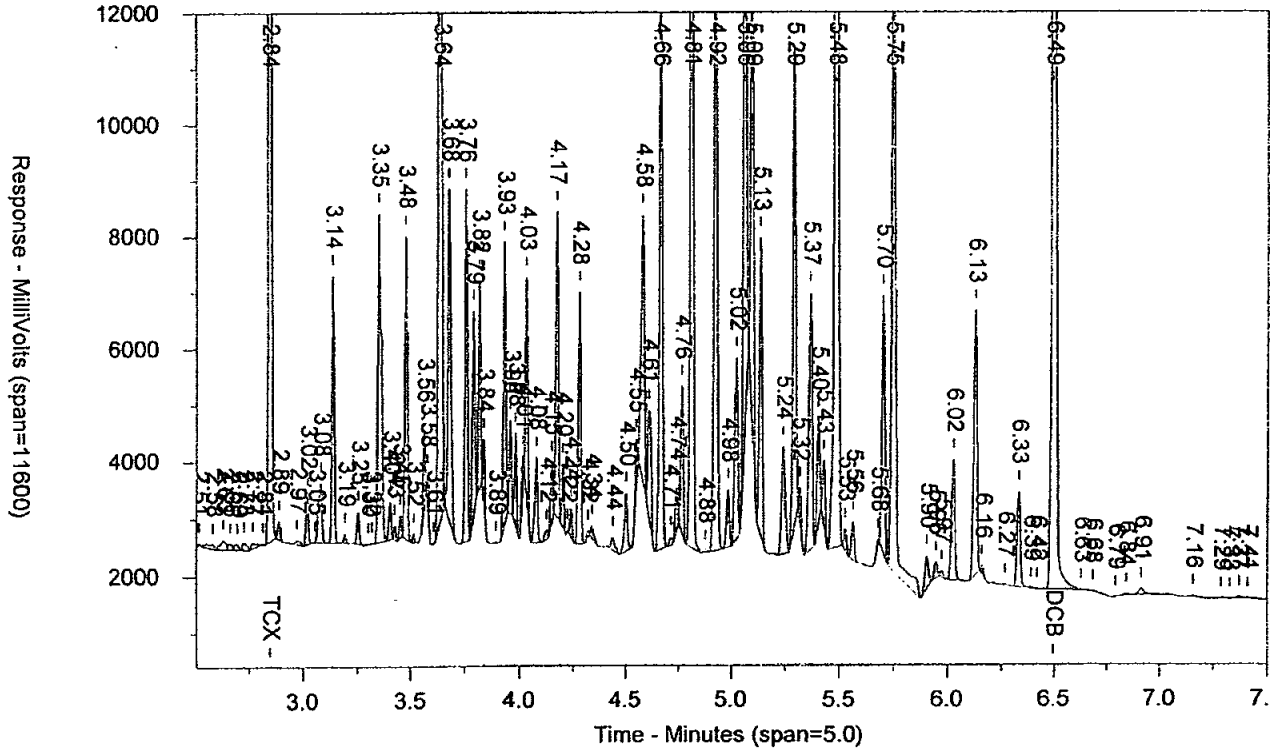

ASX67 8535

LANCASTER LABORATORIES

Sample Number: AR1631224B QMAR163QM CCAL 1218699999 Sample Weight: 1 SW-846 8082
Injected On: 7/6/2012 4:16:15 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10523190	40.756	TCX	2.845	61933790	41.412	TCX
6.81	5262879	36.534	DCB	6.495	32769540	31.31	DCB

Files:
Area File: 1p20188.0048.RAW
Area File: 1p20188B.0048.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 4:24:57 PM
File Reported On: 7/8/2012 at 3:40:19 PM

ASX67 0536

AR1631224B QMAR163QM CCAL 1218699999 SW-846 8082

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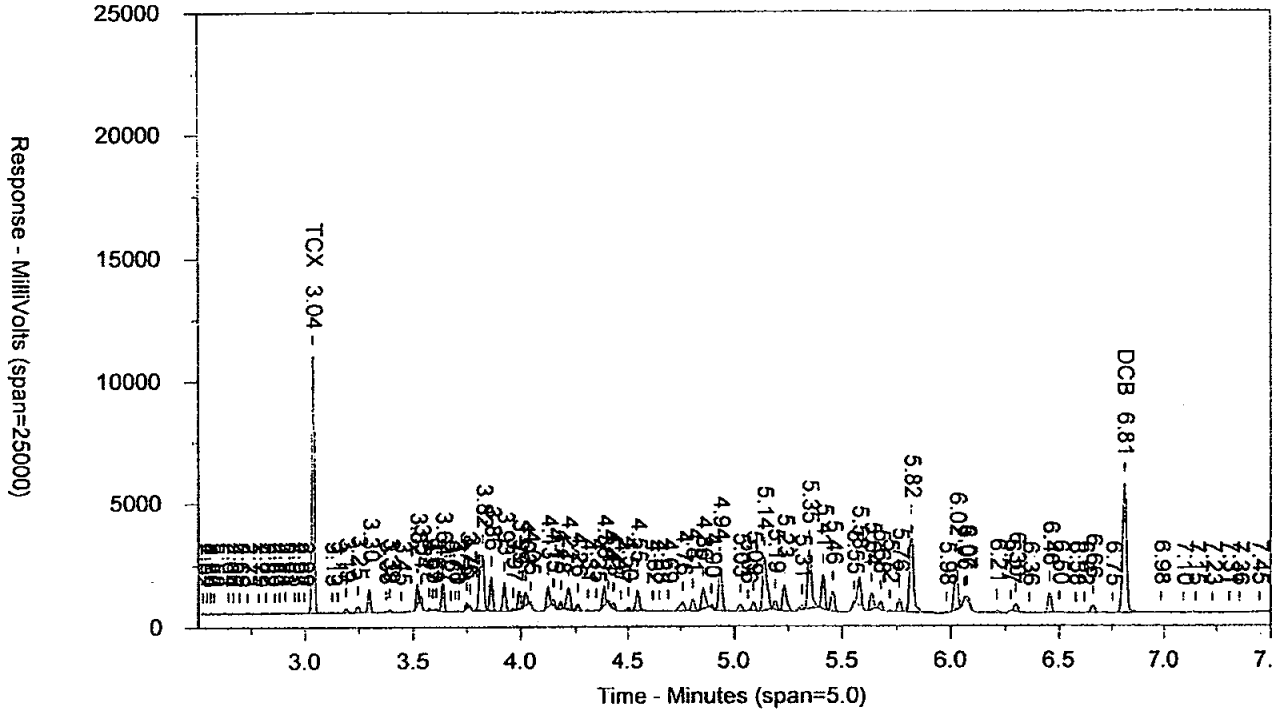

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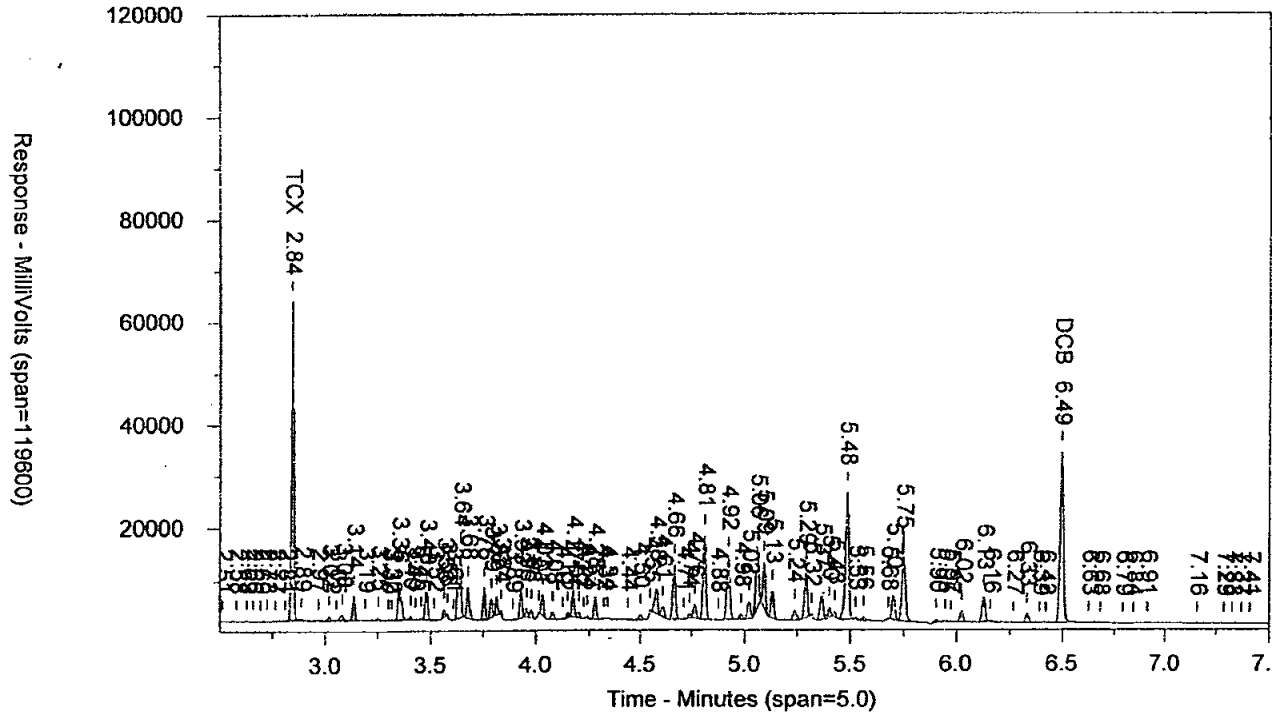

ASX67 B5E7

LANCASTER LABORATORIES

Sample Number: IBLKX1224C IDPIBLKID PIBLK1218699999 Injection Volume: 1SW-846 8082
Injected On: 7/6/2012 4:27:40 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0049.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.578		27851	124248
2.643		30868	61064
2.697		12837	12925
2.732		7138	7520
2.75		5235	3765
2.797		1328	4208
2.817		4824	3722
2.855		3282	2820
2.884		13987	55157
2.969		14839	30324
2.994		2738	1629
3.036	TCX	5279069	4093633
3.124		7711	5719
3.184		4031	4726
3.241		84389	65777
3.287		7287	10034
3.336		8011	14773
3.374		28915	27404
3.446		2804	3405
3.481		1698	748
3.491		4696	3097
3.552		6312	6335
3.583		3770	2608
3.629		19391	28100
3.671		13128	12546
3.694		14468	9959
3.731		2628	1768
3.742		3348	1845
3.795		40469	61545
3.906		8439	15439
3.961		6202	5706
4.015		6050	13678
4.034		2073	611
4.094		3692	2352
4.164		17869	24862
4.263		1506	819
4.278		8142	28471
4.349		30022	52060
4.414		53329	107173
4.461		29895	56246
4.519		5107	8199
4.646		18296	27940
4.704		6991	11930
4.717		2417	5113
4.791		2437	13345
4.896		3530	3499
5.058		68303	77965
5.102		52630	162034
5.189		1499	810
5.217		12970	15892
5.293		12762	17606
5.42		13873	28565
5.469		8498	32082
5.554		14014	34696

ASX67 0538

RT A	Compound A	Height A	Area A
5.61		6304	10071
5.669		9664	25774
5.752		6441	11479
5.872		1432	751
5.989		15707	59746
6.076		3820	6643
6.149		2919	2850
6.21		38409	64757
6.283		15989	45583
6.335		1266	1186
6.36		3364	3186
6.449		6077	12105
6.482		1486	1388
6.538		2189	2260
6.599		1378	1396
6.654		24342	30539
6.76		1613	510
6.805	DCB	2721528	3493700
6.948		1887	1731
7.17		5394	8999
7.221		3759	5442
7.283		1258	746
7.364		1785	2522
7.419		1711	2265
7.544		1201	981
7.618		1477	1680
7.691		3257	5777
7.743		1368	452
7.771		1316	971
7.834		1502	507
7.887		1836	2960
7.936		4059	6624
8.071		2484	4967
8.091		1719	792
8.176		1467	506
8.242		1356	503
8.464		1840	3845
8.537		1458	988

ASX67 0539

LANCASTER LABORATORIES

Sample Number: IBLKX1224C IDPIBLKID PIBLK1218699999 Injection Volume: 1SW-846 8082
Injected On: 7/6/2012 4:27:40 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0049.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.544		44656	110567
2.577		44239	37081
2.606		121819	159542
2.631		257529	650645
2.695		275542	437762
2.726		179668	359675
2.765		74798	60098
2.812		19627	16301
2.844	TCX	29997510	20665920
2.933		163027	656905
3.017		69259	202029
3.049		24636	24003
3.071		361845	237899
3.094		12941	12969
3.168		13531	10947
3.192		77333	55221
3.228		16582	8029
3.242		129776	236479
3.297		106842	226893
3.324		23637	21601
3.353		16831	16620
3.375		48518	75340
3.436		13841	5107
3.477		137672	736022
3.566		401571	724350
3.607		64154	105354
3.658		27027	37908
3.696		19071	23109
3.734		118144	657311
3.836		229293	843271
3.889		36998	44912
3.969		105691	280561
4.008		197310	621150
4.09		196760	418555
4.119		17296	6748
4.16		23415	33822
4.224		25672	30660
4.275		16391	22265
4.301		153329	150668
4.33		30773	15334
4.382		139118	437461
4.419		245188	1101092
4.499		165833	406995
4.518		9991	5350
4.548		358768	998256
4.615		40220	24820
4.671		46794	235759
4.712		11668	15761
4.739		11897	13919
4.773		26461	30561
4.873		217848	345661
4.911		29431	23953
4.945		220262	469129
4.994		107290	140446

ASX67 8548

RT B	Compound B	Height B	Area B
5.063		15755	14395
5.081		28157	32223
5.118		104933	163565
5.176		236608	424404
5.212		24035	17405
5.268		19710	190242
5.283		11955	22896
5.394		231333	699709
5.461		254334	483349
5.5		8781	9119
5.539		51548	103494
5.598		113344	1555871
5.773		18960	62587
5.812		302367	1526286
5.906		158572	223567
5.929		7343	5576
5.939		34016	35498
5.993		95797	212798
6.071		52798	125565
6.158		7622	2524
6.329		172753	386456
6.409		13903	20158
6.491	DCB	16318880	18402020
6.703		15015	15272
6.765		4556	7157
6.837		16470	20248
6.889		7530	4463
6.998		6406	5459
7.04		8518	13464
7.142		26729	43277
7.368		21259	33239
7.441		6695	3918
7.6		21168	43066
7.671		7441	17378
7.745		8332	8766
7.831		9460	36236
7.971		24781	119234
8.124		4888	4204
8.26		6294	14300
8.327		3806	2013
8.422		4471	2384
8.633		7809	10739

ASX67 9541

IBLKX1224C **IDPIBLKID** **PIBLK1218699999** **SW-846 8082**

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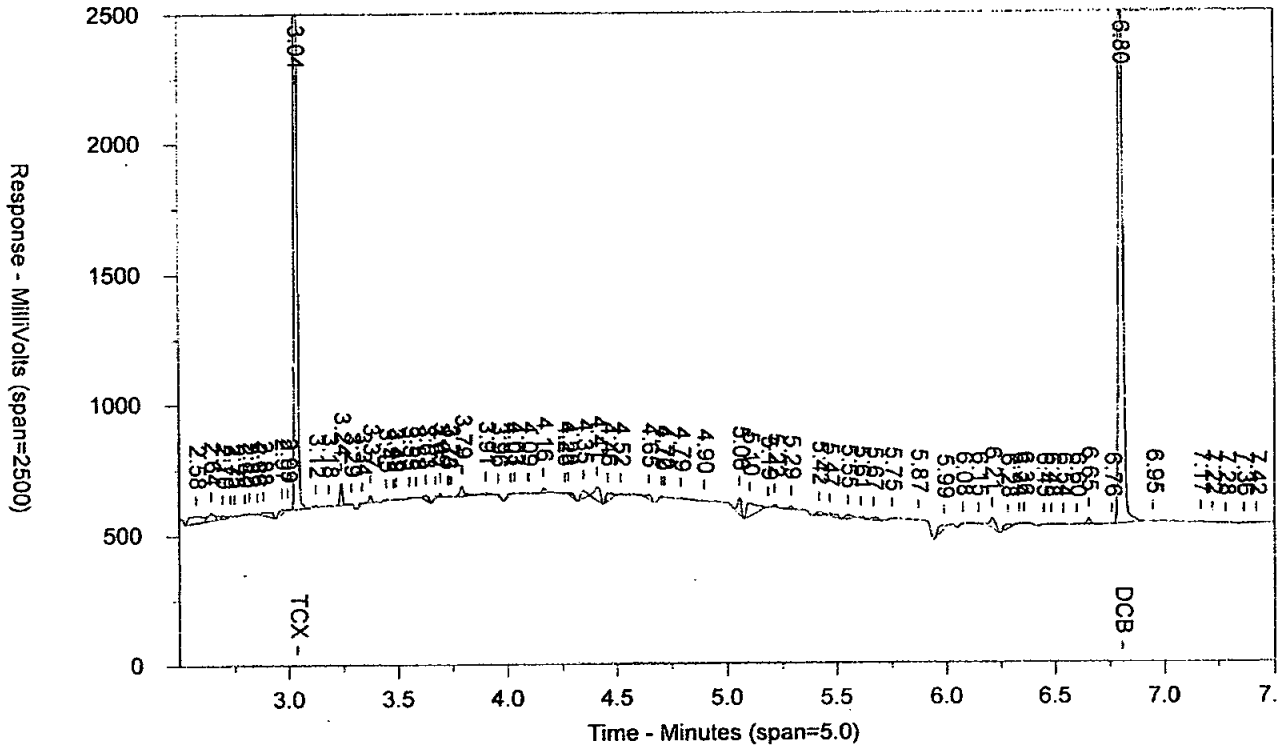

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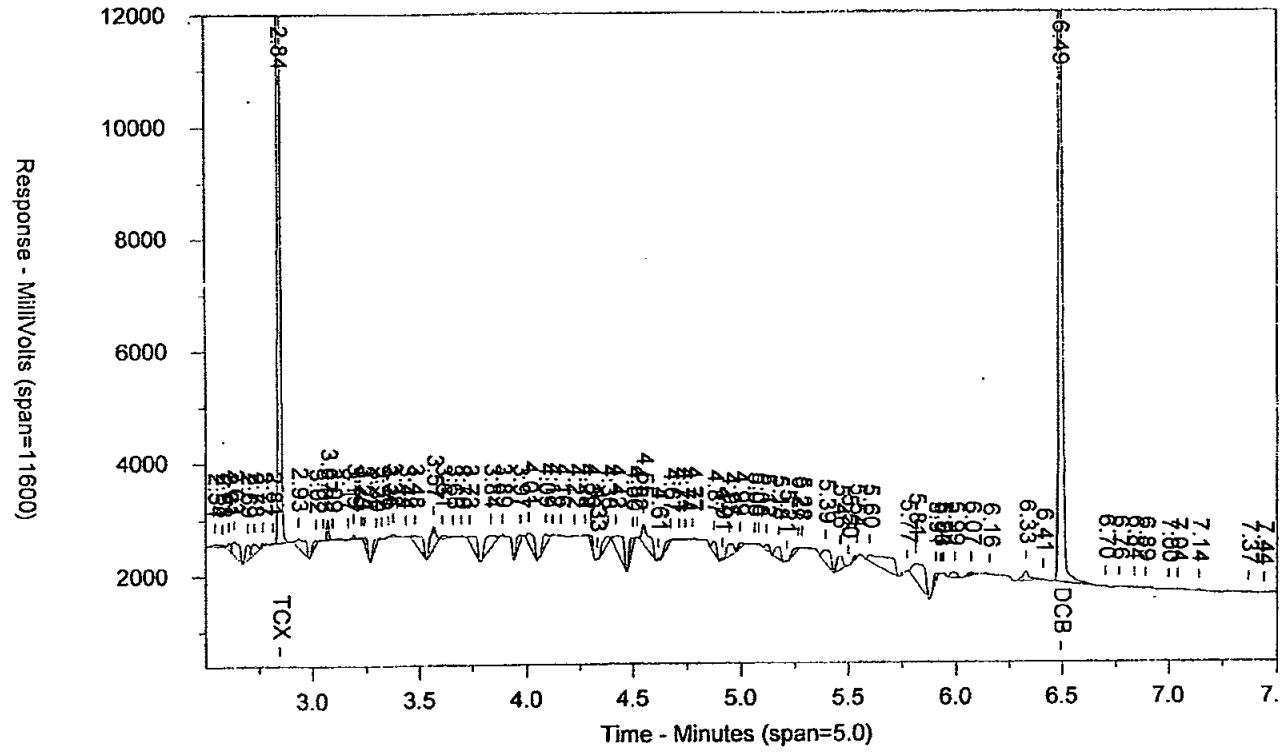

ASX67 0542

LANCASTER LABORATORIES

Sample Number: IBLKX1224C IDPIBLKID PIBLK1218699999 Sample WeightSW0806 8082
Injected On: 7/6/2012 4:27:40 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.036	5279069	.204	TCX	2.844	29997510	.201	TCX
6.805	2721528	.189	DCB	6.491	16318880	.156	DCB

Files:
Area File: 1p20188.0049.RAW
Area File: 1p20188B.0049.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 4:36:21 PM
File Reported On: 7/8/2012 at 3:40:25 PM

ASX67 0543

IBLKX1224C IDPIBLKID PIBLK1218699999 SW-846 8082

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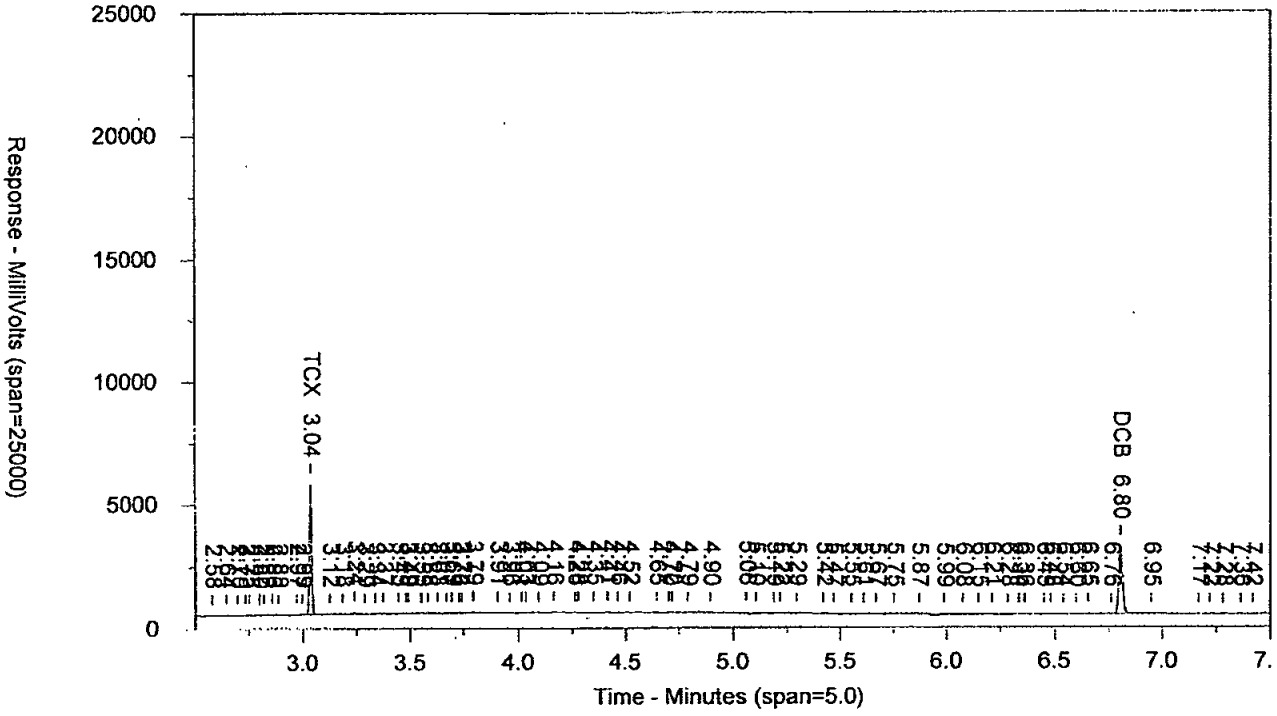

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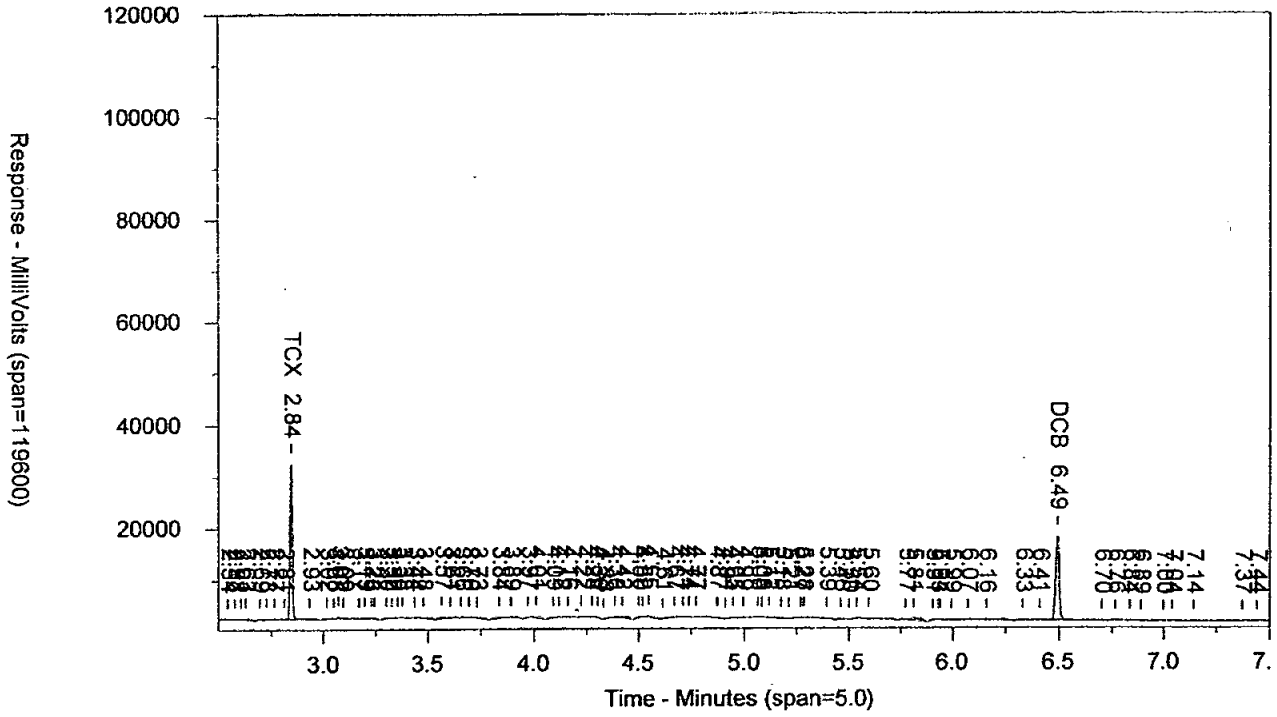

ASX67 0544

LANCASTER LABORATORIES

Sample Number: AR1631224B QNAR163QN CCAL 1218699999 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 6:33:19 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0060.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.521		6216	3667
2.537		3067	2652
2.581		10574	23108
2.644		24213	33003
2.665		20518	27102
2.694		13078	19604
2.726		9710	17579
2.8		1554	9269
2.816		6590	5717
2.853		5076	5112
2.882		8071	5998
2.909		26347	22494
2.954		5061	4200
2.971		6313	4114
2.997		2873	3075
3.037	TCX	10921810	8331809
3.127		4434	3709
3.147		5430	4912
3.189		161590	149295
3.246		263298	287764
3.297		990891	778422
3.374		22055	12182
3.393		112073	79026
3.478		3271	14960
3.493		2352	696
3.517		957223	636848
3.534		420681	232204
3.572		112498	75741
3.587		12842	4751
3.603		77858	47768
3.634		1201663	1042308
3.67		7764	5157
3.693		17984	11272
3.71		28834	19349
3.748		262098	174170
3.763		109645	61377
3.812		315523	289599
3.822		1033650	644657
3.862		1430254	1279707
3.923		1271629	1158389
3.965		90788	67192
3.993		786881	656687
4.022		581146	538774
4.044		131544	80521
4.123		896563	763484
4.148		293083	219662
4.18		335863	274243
4.217		968595	1101478
4.258		300422	286540
4.306		49286	43848
4.348		54914	50350
4.383		827172	721257
4.403		153983	89844
4.428		243409	195709

RT A	Compound A	Height A	Area A
4.469		4171	4466
4.498		134342	134581
4.543		927148	1083406
4.646		3764	2221
4.663		5033	1995
4.689		41706	38630
4.758		380165	603949
4.806		529320	566397
4.856		925165	1212128
4.893		183181	142316
4.934		1998528	2173097
5.026		311369	368874
5.058		36793	24376
5.086		375197	397883
5.139		2525543	3527797
5.19		453471	453388
5.232		1189559	1535919
5.311		185077	231266
5.347		2799915	3311948
5.412		1529139	1670055
5.455		926174	1016606
5.554		76894	104308
5.576		1295564	1392763
5.634		739414	807016
5.674		389333	409754
5.717		81532	83233
5.759		584908	665963
5.815		3784379	5131034
5.98		11664	36473
6.022		2108916	2380654
6.074		654697	1237183
6.21		149413	195677
6.273		18146	34341
6.295		366975	394626
6.361		5112	15558
6.453		925361	1104362
6.498		52576	57438
6.656		340789	433604
6.804	DCB	5638523	7210572
6.98		23611	36497
7.151		6644	12827
7.224		6484	12793
7.455		1260	2797
7.526		3191	6032
7.684		8878	15635
7.77		1584	741
7.833		1390	620
7.88		4450	5914
7.937		8940	16436
8.041		1738	1848
8.129		1372	700
8.228		1421	1007
8.301		1657	2280
8.353		1435	882
8.501		966	526
8.614		1934	2453
8.673		4029	5954

ASX67 0546

LANCASTER LABORATORIES

Sample Number: AR1631224B QNAR163QN CCAL 1218699999 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 6:33:19 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0060.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		49590	46777
2.545		21772	18854
2.56		14650	9442
2.632		129256	233766
2.725		93712	143835
2.765		74056	56754
2.798		7846	6009
2.813		15290	11298
2.845	TCX	63895120	43262270
2.888		333214	264693
2.937		10675	12297
2.973		116981	181892
3.019		885045	694136
3.073		222485	123799
3.082		529330	260403
3.137		4871001	3565978
3.193		166827	111995
3.228		14455	11464
3.253		580506	442103
3.298		21099	11041
3.32		15758	10446
3.351		6199294	7194361
3.405		721500	499092
3.427		279612	171880
3.452		466497	289208
3.479		5947206	4855212
3.515		168318	113493
3.562		1534206	960847
3.578		751028	384736
3.607		19772	8323
3.64		13496590	15873020
3.677		6661976	5800592
3.755		7157793	5420972
3.789		4177520	3004171
3.816		4315230	2973909
3.836		1255967	723998
3.895		19827	19097
3.93		5545856	4440362
3.956		1911977	1258537
3.978		1827267	1294069
4.012		621357	385287
4.03		4600078	3348769
4.077		1708364	1588688
4.124		194634	165049
4.148		1211110	823863
4.172		6232265	4877609
4.2		1346828	953593
4.222		71660	30311
4.24		620815	449936
4.278		5209198	4598243
4.319		147167	102417
4.337		238519	237126
4.416		13968	14285
4.438		352519	563201

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RT B	Compound B	Height B	Area B
4.5		1316325	1445177
4.549		854857	613157
4.577		5783016	5915550
4.609		2283718	2554648
4.663		12353830	12007750
4.711		168145	128616
4.738		868282	658962
4.762		3078815	2741836
4.808		19656030	19004830
4.886		31252	95360
4.923		14472860	14959500
4.983		1015593	938787
5.018		3999801	3937208
5.058		14952250	14472750
5.091		10445890	9171321
5.132		6134115	5836882
5.195		23727	17546
5.206		12189	3079
5.239		2324459	2825464
5.29		10690770	10382420
5.317		759474	520299
5.365		5369847	5832078
5.403		2359757	2041455
5.426		932053	662397
5.483		30063230	32274570
5.524		473779	397223
5.561		902041	876942
5.597		49492	102680
5.677		134247	117418
5.699		5773397	5826127
5.747		13613460	18739650
5.904		692036	823269
5.945		381389	357808
5.973		160510	134951
6.022		2628842	2757212
6.127		6119070	6154837
6.157		183446	145808
6.328		2097579	2263652
6.492	DCB	40682410	44743850
6.678		19634	23756
6.837		43929	45531
6.908		108649	198014
7.044		13333	22751
7.145		24725	33093
7.29		6782	6816
7.368		48922	69739
7.431		5550	10321
7.532		17822	28965
7.598		24730	27857
7.734		6227	6737
7.924		9526	11596
8.139		7758	14067
8.24		5983	14544
8.41		5225	5092
8.662		7077	12844

ASX67 8548

AR1631224B QNAR163QN CCAL 1218699999 SW-846 8082

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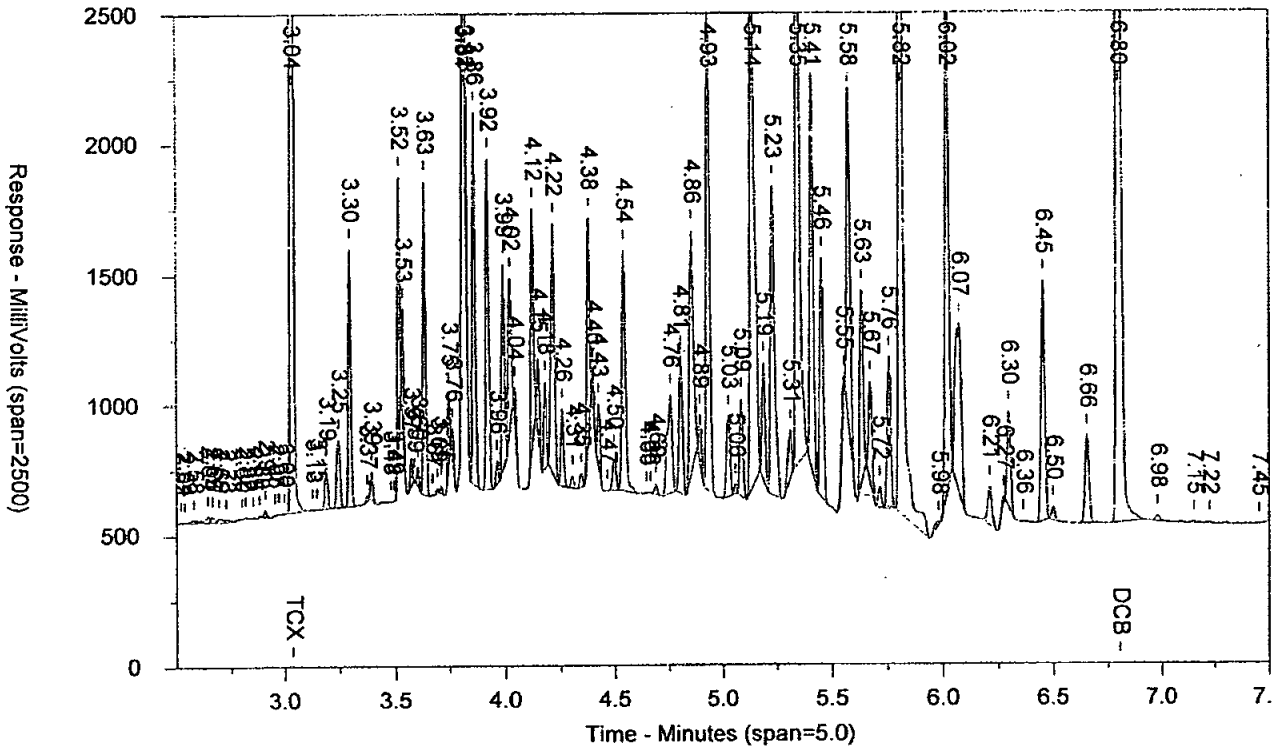

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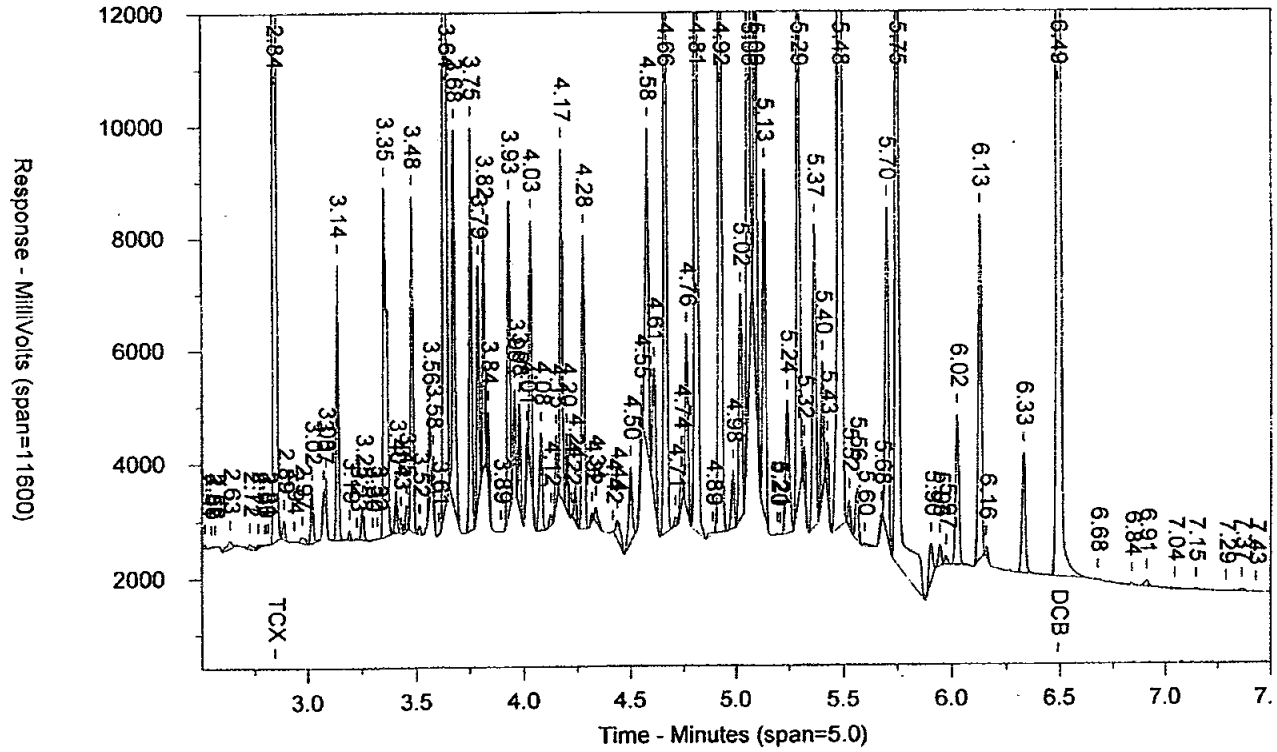

ASX67 0549

LANCASTER LABORATORIES

Sample Number: AR1631224B QNAR163QN CCAL 1218699999 Sample Weight: 1 SW-846 8082
Injected On: 7/6/2012 6:33:19 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10921810	42.3	TCX	2.845	63895120	42.723	TCX
6.804	5638523	39.141	DCB	6.492	40682410	38.87	DCB

Files:
Area File: 1p20188.0060.RAW
Area File: 1p20188B.0060.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 6:42:03 PM
File Reported On: 7/8/2012 at 3:41:15 PM

ASX67 8558

AR1631224B **QNAR163QN** **CCAL 1218699999** **SW-846 8082**

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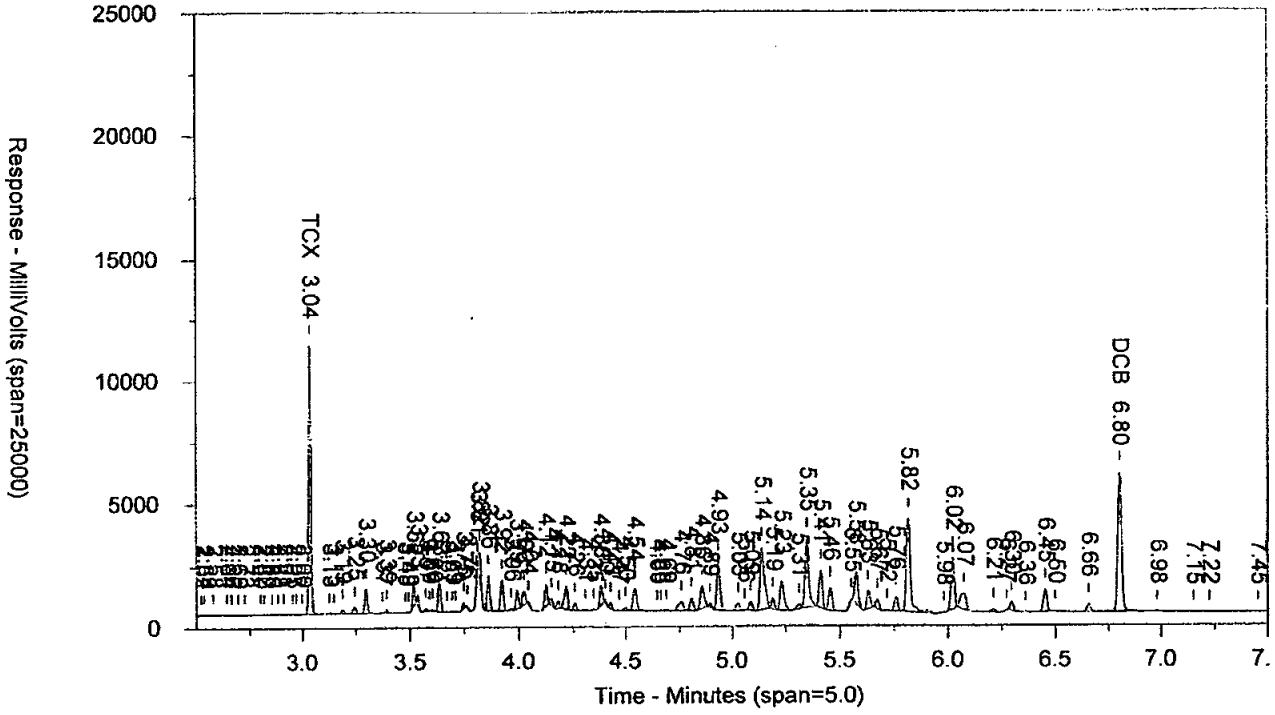

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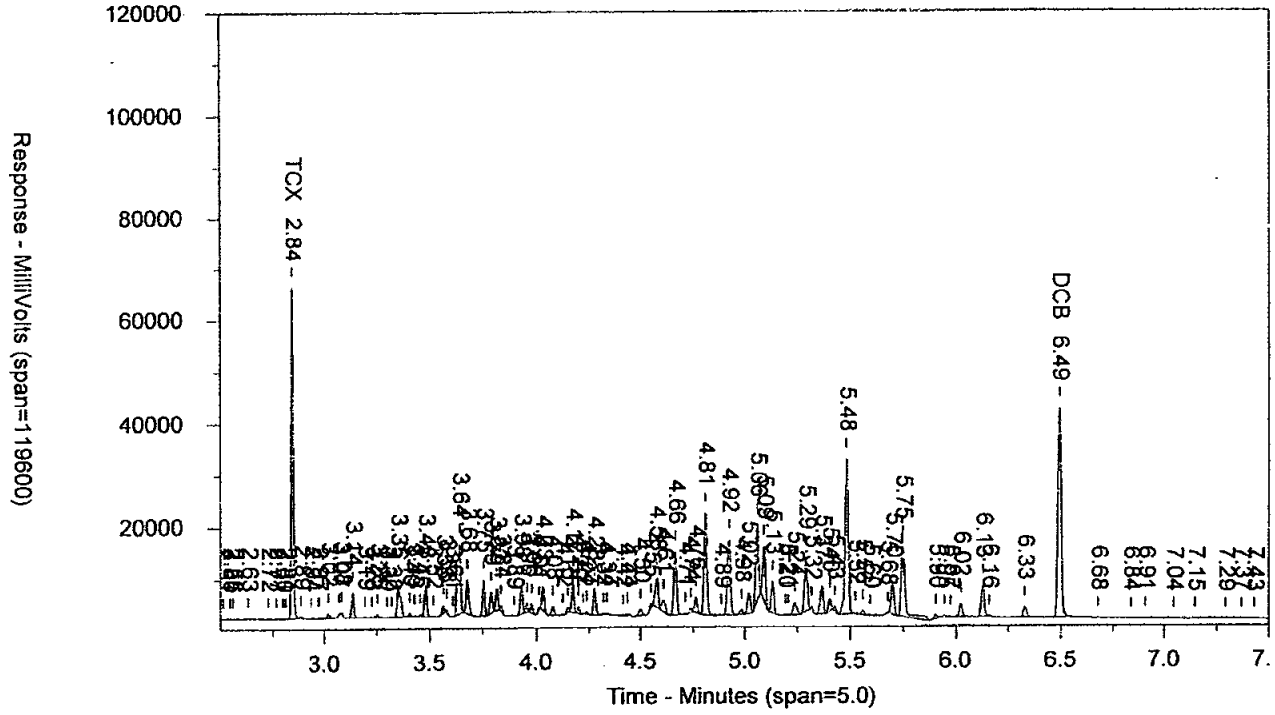

ASX67 0551

LANCASTER LABORATORIES

Sample Number: IBLKX1224C IEPIBLKIE PIBLK1218699999 Injection Volume: SW-846 8082
Injected On: 7/6/2012 6:44:44 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0061.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.547		22108	17145
2.572		20805	27906
2.579		20269	35434
2.644		19176	51605
2.699		3640	3140
2.753		4995	3516
2.818		4596	5529
2.86		4077	4239
2.883		4847	3868
2.916		9911	16052
2.968		12361	20528
2.995		1642	934
3.036	TCX	5552200	4267162
3.109		1231	751
3.122		5960	5024
3.15		3087	2395
3.191		2630	3745
3.207		2137	1175
3.24		86503	65077
3.291		13523	16554
3.343		629	13011
3.373		39903	33719
3.458		6096	13896
3.494		4396	4994
3.562		3070	4540
3.585		3065	2388
3.625		19957	29890
3.669		17067	15914
3.695		13772	9137
3.73		2612	2621
3.793		37820	47237
3.862		1074	1196
3.907		5912	9642
3.949		5477	16171
4.014		11488	19753
4.043		2839	3136
4.067		2878	1740
4.123		2680	2594
4.166		18246	31974
4.263		2139	1050
4.35		44802	72916
4.414		51857	100729
4.467		29161	63434
4.517		2253	1912
4.571		2658	1280
4.615		2772	1789
4.642		10475	15620
4.701		24758	72313
4.892		3930	5600
4.946		5201	11524
5.058		81506	89252
5.099		41792	73751
5.216		15803	21144
5.291		19599	97558

ASX67 0552

RT A	Compound A	Height A	Area A
5.428		17862	36308
5.475		16347	53924
5.555		17841	48687
5.614		12260	19389
5.675		19257	53927
5.755		21115	112983
5.989		9777	50707
6.104		5660	38775
6.127		1525	837
6.21		47598	83196
6.28		22987	57743
6.339		2368	2665
6.354		3972	8216
6.446		3648	4702
6.605		5565	9965
6.656		25276	28084
6.802	DCB	2824931	3743623
6.939		2068	978
7.006		1360	612
7.166		5882	18374
7.215		3371	6660
7.359		3375	4409
7.452		1440	598
7.471		1246	890
7.543		4516	6155
7.619		3610	7034
7.676		3124	4341
7.725		1106	432
7.81		1449	1193
7.885		1850	2614
7.942		4332	6658
8.048		1459	326
8.122		1707	854
8.151		1547	1052
8.212		1774	634
8.269		1995	1982
8.415		1012	970
8.493		1393	667
8.601		7428	43450

ASX67 9553

LANCASTER LABORATORIES

Sample Number: IBLKX1224C IEPIBLKIE PIBLK1218699999 Injection Volume: SW-846 8082
Injected On: 7/6/2012 6:44:44 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0061.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.535		21518	25787
2.583		44005	44085
2.61		104058	94641
2.63		230586	612667
2.693		248667	395339
2.724		186186	360692
2.765		101091	95146
2.812		29377	26175
2.845	TCX	30739660	21383810
2.935		41729	44168
2.968		137662	110613
3.013		130613	265626
3.052		19743	8382
3.071		379189	261880
3.135		12253	13154
3.163		11606	7138
3.178		6866	3419
3.193		69902	53019
3.226		169374	587214
3.322		98106	620235
3.351		36965	24464
3.375		51354	81401
3.416		12091	7572
3.445		13124	8275
3.48		156659	748187
3.566		417841	773382
3.607		63274	104560
3.656		30692	36846
3.694		9577	3449
3.746		208528	700368
3.834		246142	795219
3.888		79482	94611
3.922		112731	127288
3.967		150959	325991
3.988		8136	4264
4.009		217173	667681
4.093		185487	445639
4.129		18145	28807
4.169		20345	14675
4.221		21989	24544
4.277		10206	14170
4.286		95786	388795
4.331		26142	13157
4.382		170663	537631
4.416		226190	1142869
4.498		138318	337852
4.516		11433	8394
4.548		461466	1299429
4.616		34990	21520
4.715		58293	933047
4.743		20017	18867
4.776		38869	37083
4.827		63419	106804
4.872		284361	456305

RT B	Compound B	Height B	Area B
4.911		28778	17478
4.944		82685	129633
4.958		78078	82014
5.001		50119	110972
5.057		47458	166934
5.125		154515	197485
5.176		300001	526320
5.21		15099	9113
5.258		61076	220231
5.291		8843	5571
5.392		22562	58073
5.461		370085	683518
5.551		175663	545738
5.596		77845	170904
5.749		62539	46147
5.81		29672	71426
5.827		189778	824668
5.907		152895	207573
5.941		36622	41380
5.982		21392	22622
6.069		78845	162700
6.109		11414	35235
6.329		192224	364686
6.403		14598	16927
6.492	DCB	17841680	20251780
6.791		27366	95059
6.846		43969	72007
6.99		24889	52774
7.049		12143	13091
7.094		6698	3655
7.144		23300	31711
7.208		6429	2851
7.25		9369	18028
7.366		34162	101289
7.527		10932	26111
7.56		12159	13276
7.595		12393	13744
7.69		15654	22835
7.74		55997	97376
7.837		5665	3458
7.926		42364	155122
8.204		6177	3104
8.513		5603	2712
8.641		15529	67922

ASX67 8555

IBLKX1224C IEPIBLKIE PIBLK1218699999 SW-846 8082

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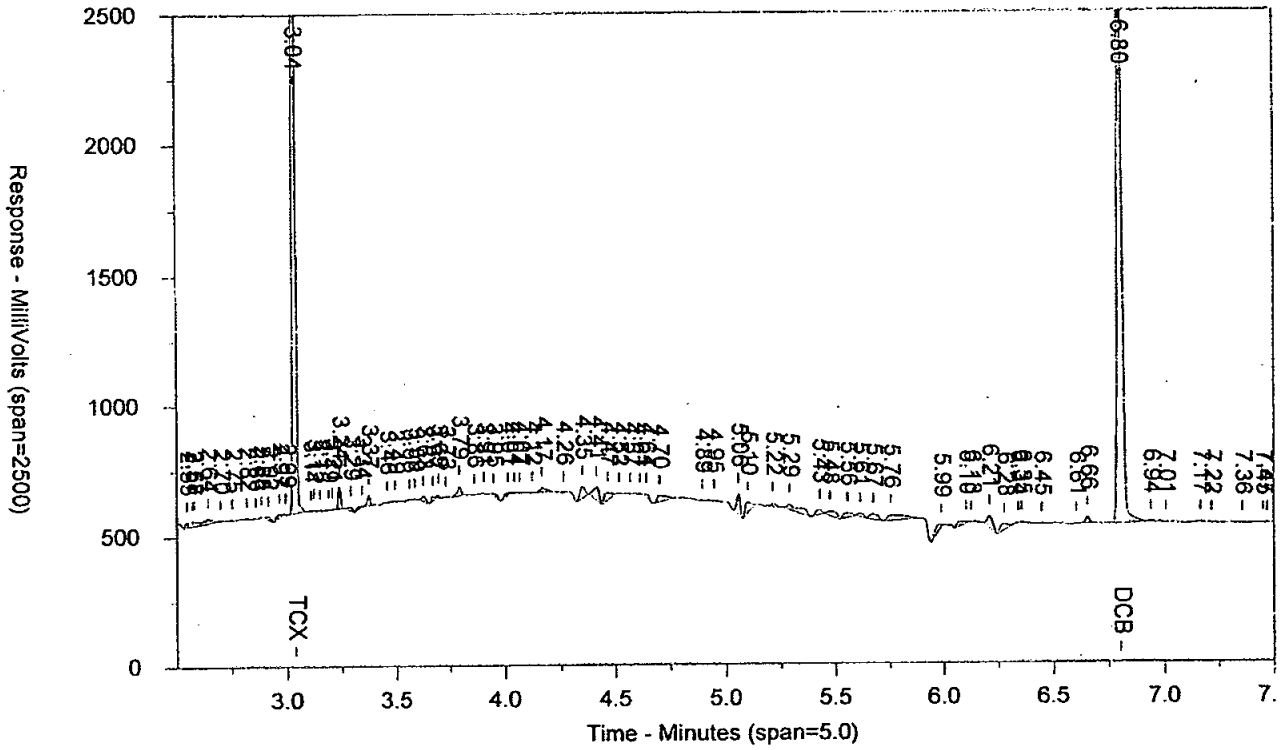

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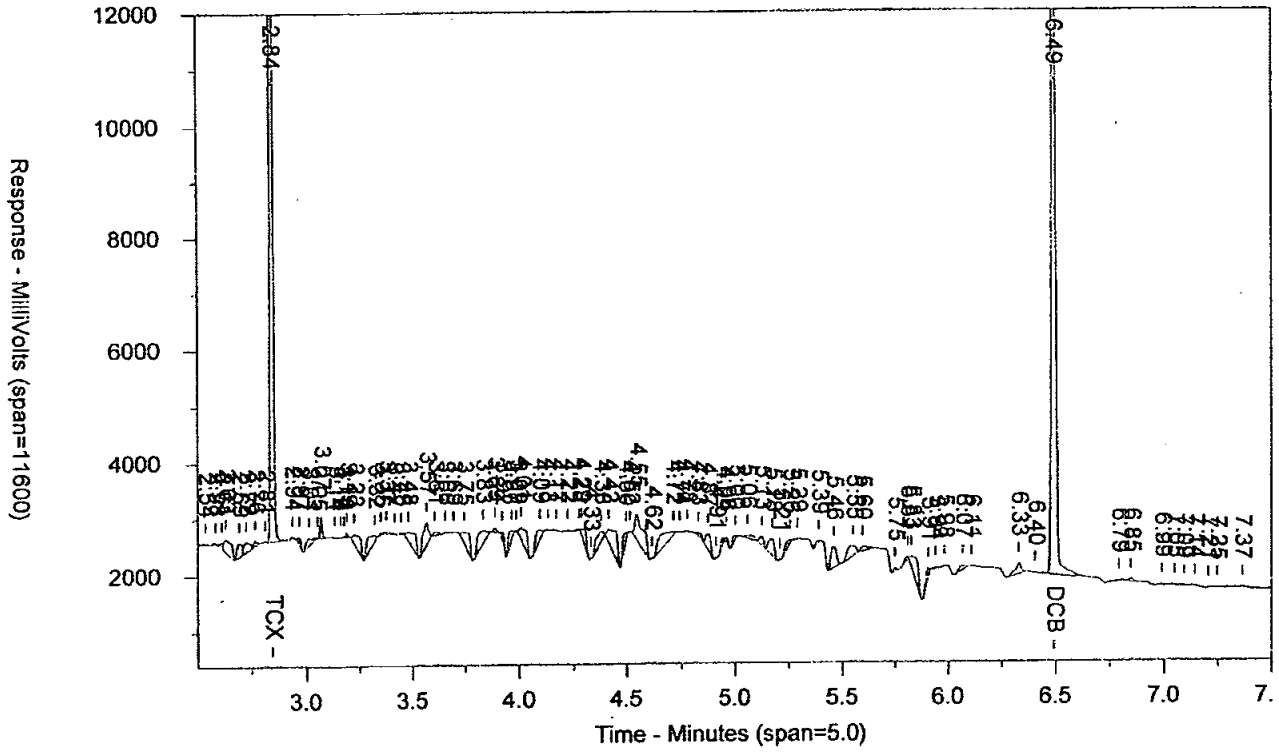

ASX67 0556

LANCASTER LABORATORIES

Sample Number: IBLKX1224C IEPIBLKIE PIBLK1218699999 Sample Weigh SW846 8082
Injected On: 7/6/2012 6:44:44 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.036	5552200	.215	TCX	2.845	30739660	.206	TCX
6.802	2824931	.196	DCB	6.492	17841680	.17	DCB

Files:
Area File: 1p20188.0061.RAW
Area File: 1p20188B.0061.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 6:53:28 PM
File Reported On: 7/8/2012 at 3:41:21 PM

ASX67 9557

IBLKX1224C IEPIBLKIE PIBLK1218699999 SW-846 8082

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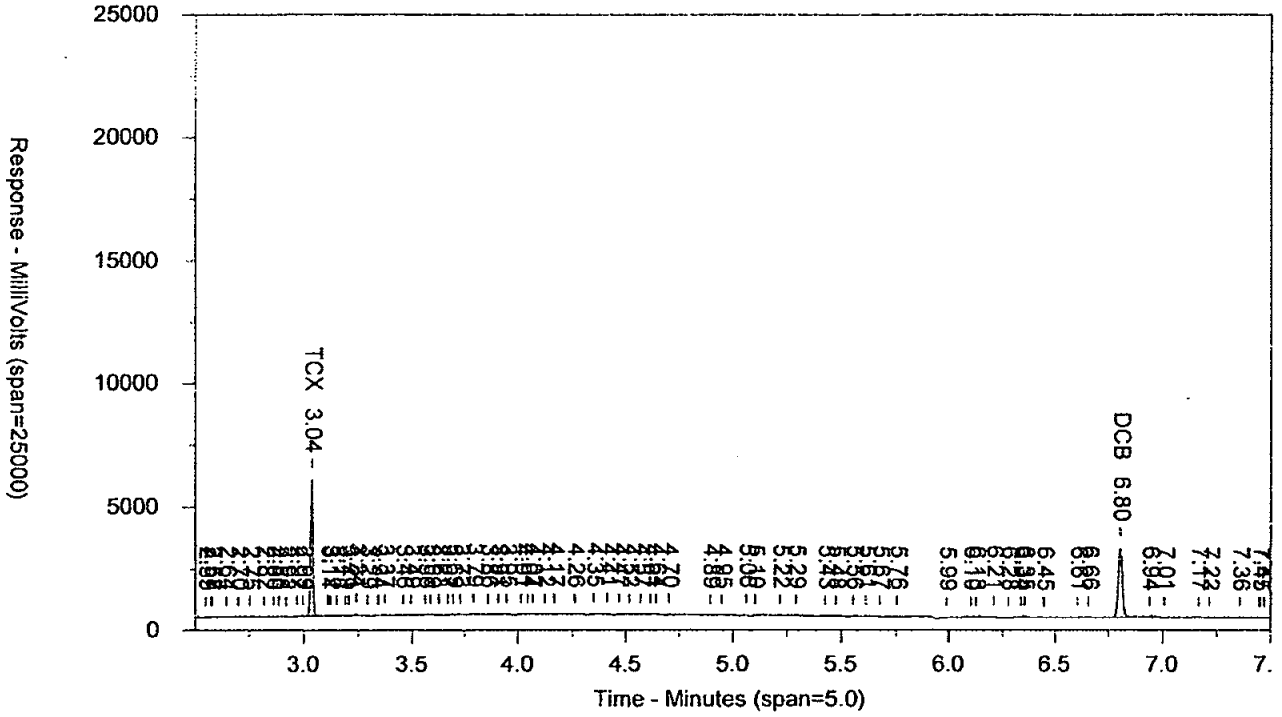

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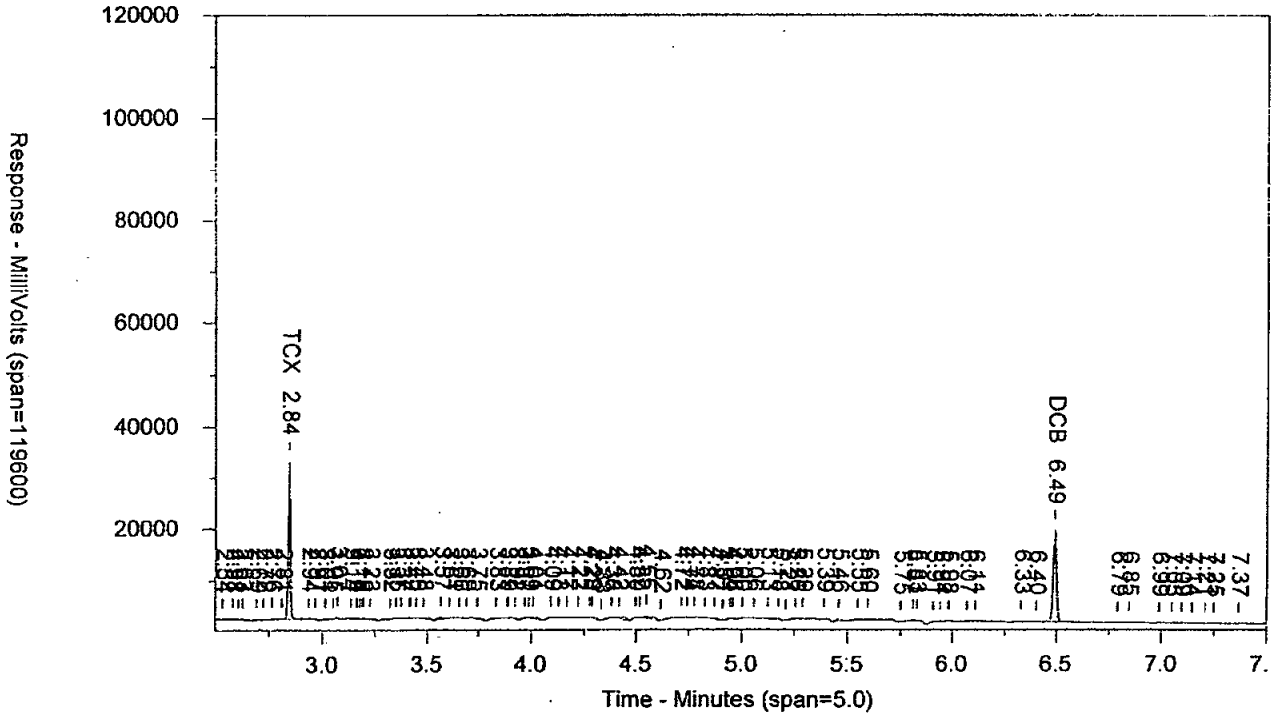

ASX67 8558

LANCASTER LABORATORIES

Sample Number: AR1631224B QOAR163QO CCAL 1218699999 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 8:50:27 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0072.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.521		4066	5512
2.577		6907	9246
2.624		3356	3206
2.644		14728	14988
2.663		13738	13716
2.692		4310	3625
2.791		2328	3256
2.816		5805	4767
2.854		6781	7057
2.882		16746	13162
2.907		16748	18659
2.952		5907	5000
2.968		6333	4571
2.996		3544	2560
3.036	TCX	10723420	8234558
3.119		4600	4193
3.152		5075	3568
3.19		162302	147167
3.247		256277	282669
3.297		949581	766031
3.374		20030	11550
3.393		108923	76654
3.438		2359	1827
3.49		1679	2050
3.517		884983	611187
3.534		366254	212896
3.571		115018	76768
3.587		15461	5547
3.603		80333	49804
3.635		1208974	1011979
3.669		6483	4350
3.692		19238	12197
3.71		29918	18417
3.747		255119	173676
3.763		111331	59471
3.822		2324933	3391658
3.861		1364244	1250316
3.923		1218856	1128152
3.964		82464	62122
3.992		758417	639126
4.021		558300	514677
4.043		130761	80355
4.122		846309	740056
4.147		283011	203251
4.18		324538	266254
4.217		922414	1070010
4.258		297436	278782
4.305		46919	43412
4.347		55153	50274
4.383		782194	683302
4.403		159711	90753
4.427		244172	186431
4.458		5444	4519
4.498		129846	131228

RT A	Compound A	Height A	Area A
4.543		913792	1050620
4.641		4095	4032
4.688		40459	38832
4.758		367902	583369
4.806		515771	541928
4.854		915780	1178892
4.893		168992	129329
4.933		1807331	2090687
5.027		301068	348744
5.058		37623	25890
5.086		355020	379828
5.138		2358346	3375547
5.19		420582	433242
5.233		1125861	1461529
5.311		182091	222210
5.348		2553305	3147331
5.411		1450238	1591042
5.454		843341	969558
5.555		52264	95577
5.577		1286765	1338959
5.634		686244	763409
5.674		363787	392518
5.716		75312	78391
5.758		576763	630963
5.815		3632681	4501471
5.973		69708	98087
6.022		1941954	2273723
6.068		587788	1161720
6.21		136477	182038
6.272		31775	33772
6.296		348827	372167
6.374		3699	5844
6.451		902173	1053645
6.497		50213	54300
6.553		2920	4141
6.622		1309	465
6.655		331683	412040
6.748		4356	4939
6.802	DCB	5426731	6924016
6.979		28140	44270
7.088		2103	2067
7.146		7615	18867
7.211		5733	10850
7.296		2378	2489
7.503		36586	158069
7.625		1944	1718
7.681		8260	12776
7.787		1760	2450
7.877		3665	5701
7.932		10218	23866
8.087		1761	863
8.145		1779	587
8.184		1145	1596
8.213		1340	1432
8.399		1416	276
8.428		1307	957
8.507		1320	859
8.55		1585	521
8.596		1574	2547

ASX67 0568

LANCASTER LABORATORIES

Sample Number: AR1631224B QOAR163QO CCAL 1218699999 Injection Volume: 1 ul SW-846 8082
Injected On: 7/6/2012 8:50:27 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0072.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.512		43750	30172
2.568		8682	18945
2.629		115114	283677
2.687		66645	84514
2.726		122508	206316
2.766		136596	126369
2.813		18973	11878
2.845	TCX	63851590	43296320
2.888		334147	261781
2.939		13396	11252
2.972		115470	183753
3.02		879786	677805
3.052		15110	7045
3.073		210927	116757
3.082		511715	252998
3.137		4809652	3516597
3.192		172965	107714
3.23		17995	20174
3.253		574706	440784
3.298		11532	7373
3.322		17022	10706
3.351		6197744	7089674
3.404		734559	507690
3.427		258092	156105
3.452		449083	274639
3.478		5883483	4741796
3.514		174196	117435
3.561		1522922	941990
3.578		704977	370419
3.607		28250	15429
3.64		13130610	15298740
3.676		6296219	5579096
3.754		6600772	5188530
3.789		3927631	2878701
3.815		4164715	2864444
3.835		1186829	691840
3.885		16370	12351
3.929		5219641	4148776
3.955		1892027	1229392
3.977		1682899	1225416
4.012		697208	402355
4.029		4281760	3113385
4.076		1655479	1533126
4.122		196454	158084
4.147		1138511	777947
4.171		5719503	4580468
4.199		1246891	882533
4.221		65520	28268
4.239		564052	399429
4.277		4898506	4307326
4.32		119739	94389
4.336		236133	226904
4.412		36423	32953
4.437		286460	410164

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RT B	Compound B	Height B	Area B
4.499		1149577	1214084
4.548		822438	601404
4.577		5305364	5468716
4.607		2100235	2374132
4.662		11241690	11156890
4.711		155184	119359
4.737		887532	643092
4.762		2899284	2590671
4.808		17807870	17448860
4.888		24197	78071
4.922		13195660	13788260
4.981		975119	918227
5.018		3744424	3615373
5.058		13318060	13182060
5.09		9633014	8519158
5.131		5786634	5349934
5.199		24006	18582
5.237		2129208	2522263
5.29		9959731	9318981
5.316		684779	459753
5.364		4886619	5265904
5.401		2200856	1876361
5.425		845506	650315
5.482		27469330	29145120
5.523		300200	224891
5.56		801614	761228
5.593		29806	32786
5.675		141268	121156
5.698		4969588	4883804
5.746		12312750	16348460
5.903		679254	804605
5.944		396792	364910
5.972		179962	170227
6.021		2453759	2604161
6.125		5419604	5490692
6.156		151808	128938
6.328		1905667	1996659
6.445		10981	7895
6.491	DCB	36166090	40263320
6.734		21847	32531
6.836		39565	45302
6.906		131842	215184
7.052		21517	49556
7.144		21574	25162
7.365		43710	66890
7.43		7039	10227
7.456		7188	10583
7.523		20214	36817
7.589		29722	46296
7.665		6139	5769
7.743		6887	7089
7.928		31576	94342
8.093		6024	8642
8.158		6422	6094
8.264		3450	3248
8.281		5883	4244
8.489		7542	10793
8.512		5245	2812

AR1631224B QOAR163QO CCAL 1218699999 SW-846 8082

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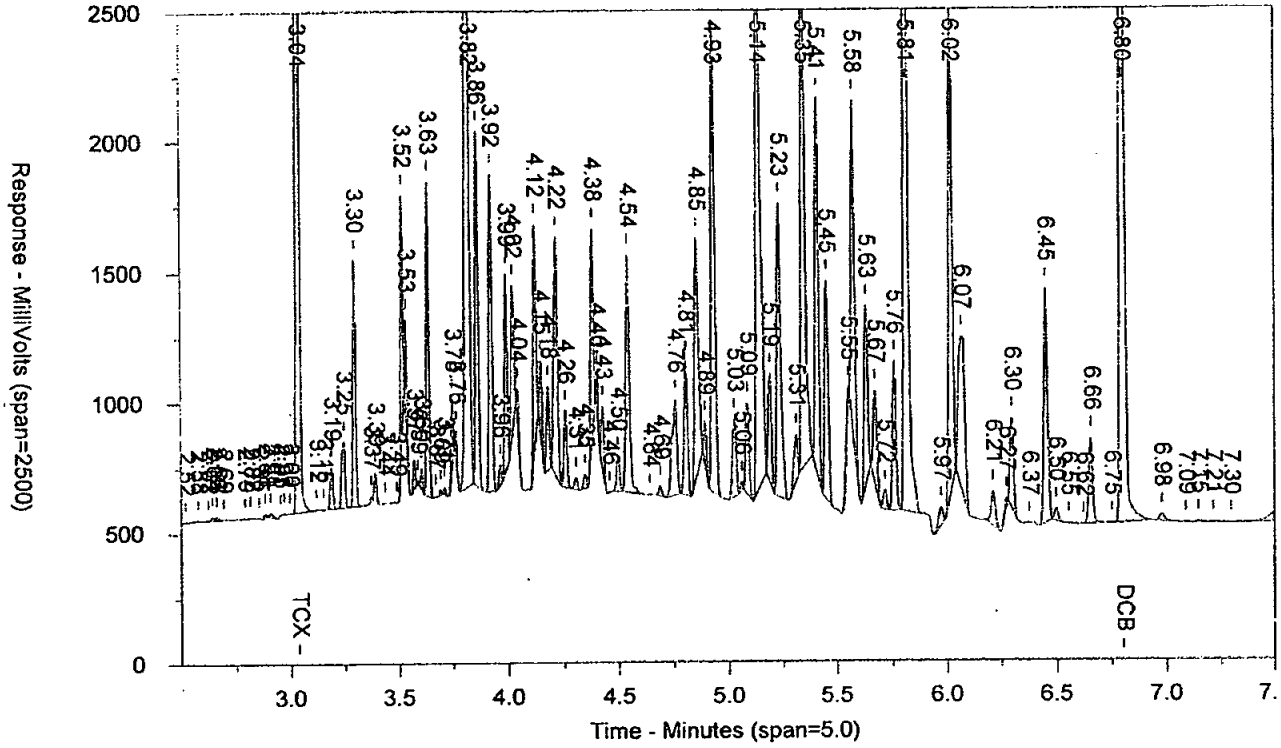

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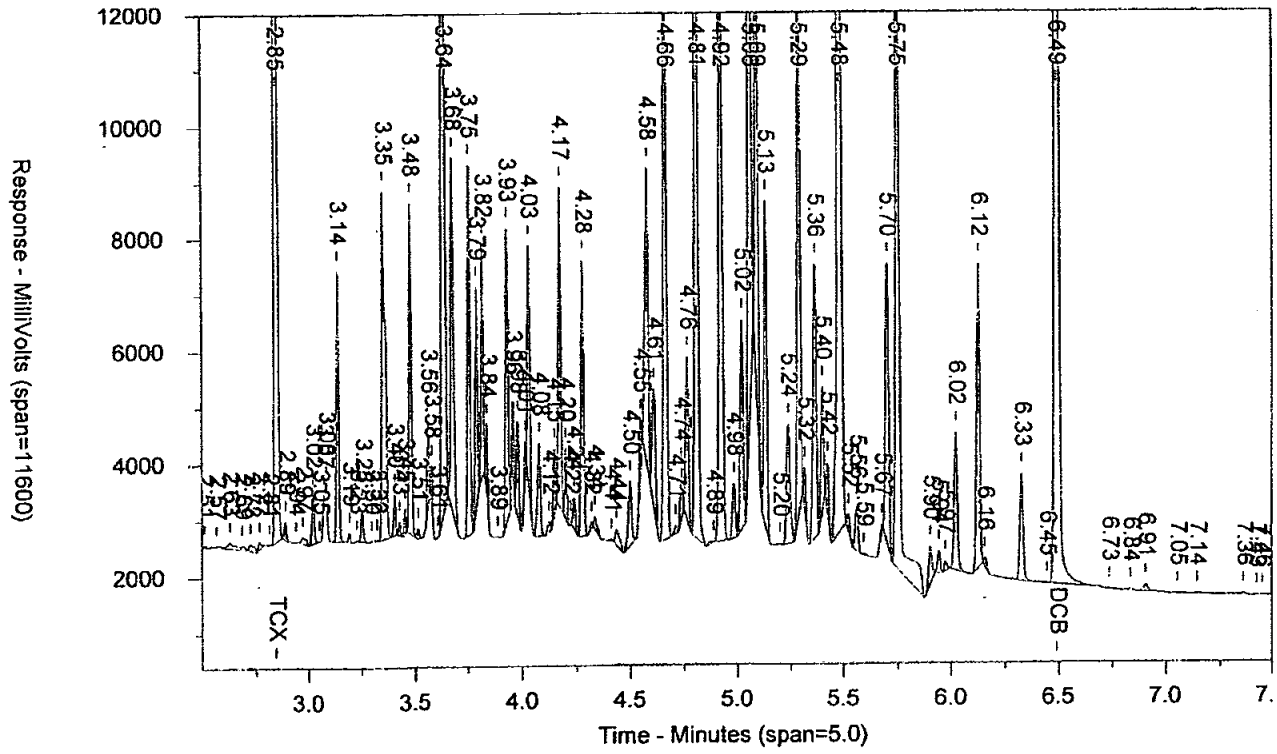

LANCASTER LABORATORIES

Sample Number: AR1631224B QOAR163QO CCAL 1218699999 Sample Weight: 1 SW-846 8082
Injected On: 7/6/2012 8:50:27 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.036	10723420	41.531	TCX	2.845	63851590	42.694	TCX
6.802	5426731	37.671	DCB	6.491	36166090	34.555	DCB

Files:
Area File: 1p20188.0072.RAW
Area File: 1p20188B.0072.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 8:59:10 PM
File Reported On: 7/8/2012 at 3:42:19 PM

ASX67 8564

AR1631224B QOAR163QO CCAL 1218699999 SW-846 8082

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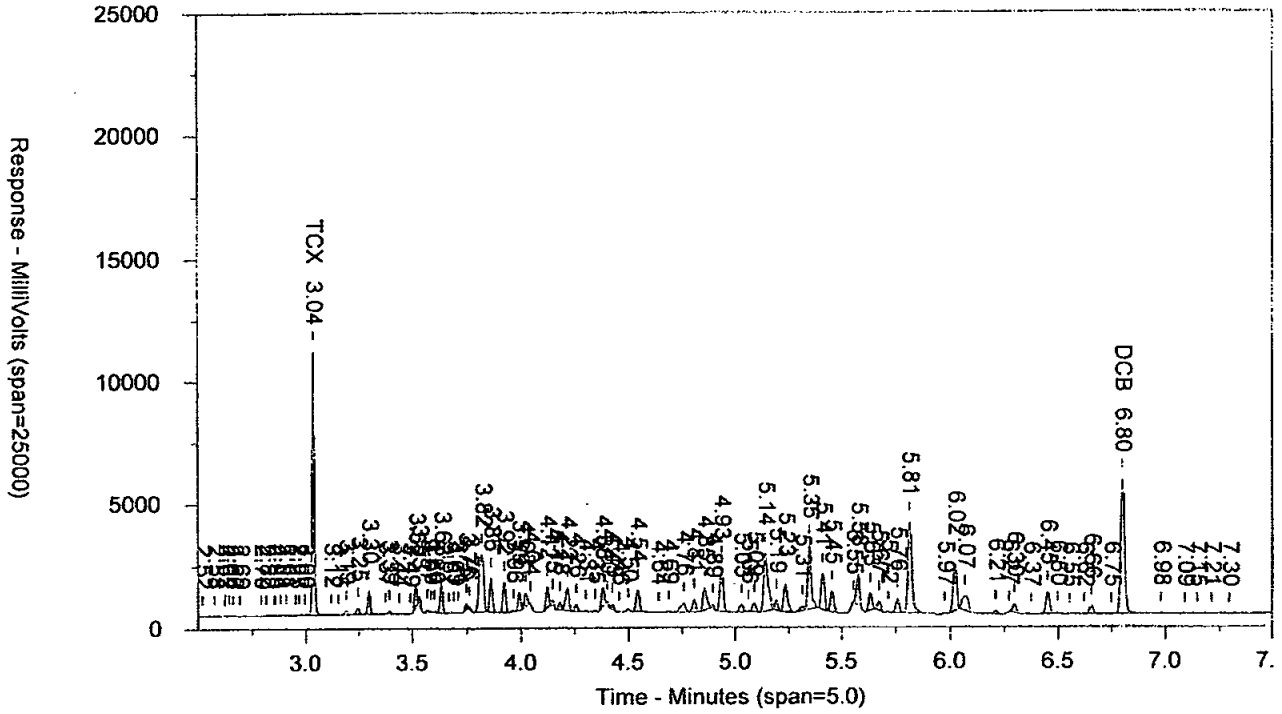

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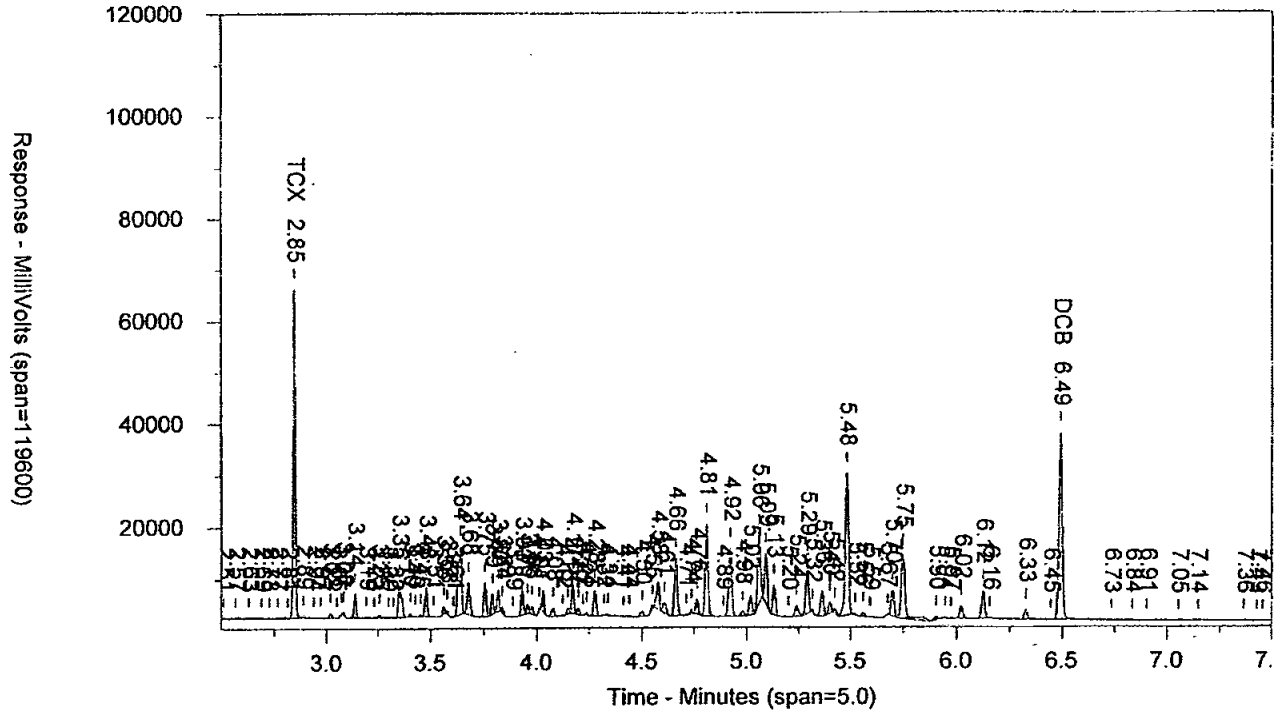

ASX67 0565

LANCASTER LABORATORIES

Sample Number: IBLKX1224C IFPIBLKIF PIBLK1218699999 Injection Volume: SW-846 8082
Injected On: 7/6/2012 9:02:01 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 1p20188.0073.RAW
Method File: PESTDI20.MET
Calibration File: 1p20188.CAL

RT A	Compound A	Height A	Area A
2.558		25653	35183
2.583		23663	36552
2.625		19127	19247
2.644		24663	53838
2.697		11220	17595
2.749		6465	6950
2.804		1173	3224
2.819		4328	3825
2.869		1565	3024
2.888		1886	1463
2.906		1874	895
2.972		9809	23980
2.995		3103	1995
3.037	TCX	5495338	4212990
3.123		7901	7320
3.153		3990	2551
3.193		2299	1905
3.241		84224	64932
3.281		1606	663
3.333		7310	9644
3.375		28239	25082
3.404		2760	2766
3.451		3990	7718
3.493		3424	4666
3.554		4969	5442
3.598		2566	2820
3.625		18079	32011
3.67		12747	10821
3.694		14636	10031
3.732		6141	9381
3.794		40167	47042
3.822		2037	1629
3.858		2201	2055
3.884		2948	1770
3.903		5148	7871
3.953		2499	1410
4.031		9281	35711
4.079		1724	1384
4.092		2488	3077
4.124		3907	2593
4.167		19218	34844
4.231		2668	2878
4.272		11626	41107
4.351		31851	56231
4.416		40995	76991
4.468		7684	17098
4.516		4354	6081
4.548		2779	1344
4.574		3867	4704
4.708		6635	12173
4.89		2929	3855
4.918		2438	1494
4.939		4447	63740
5.061		66788	71530

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RT A	Compound A	Height A	Area A
5.101		32525	55016
5.188		2155	1155
5.221		13918	18450
5.293		11126	14207
5.348		9157	22139
5.43		21345	109535
5.558		6032	13133
5.617		7701	12547
5.669		8422	23813
5.757		11757	29158
5.99		25625	84912
6.079		3576	6687
6.213		33588	53569
6.279		13576	29032
6.336		2749	2384
6.455		6358	13021
6.543		1297	648
6.556		2795	1124
6.602		4350	6445
6.66		23761	28394
6.746		2583	7275
6.808	DCB	2734047	3676652
6.964		1734	1100
7.103		1992	1135
7.171		5287	12099
7.213		1606	1015
7.351		1423	8274
7.473		2336	16021
7.584		2323	3375
7.88		2013	2087
7.939		5468	9781
8.134		1954	3363
8.247		1676	843
8.312		1303	687
8.365		1515	1000
8.423		1479	600
8.436		991	603
8.454		2210	676
8.489		1522	846
8.572		1983	1488
8.595		1357	704
8.623		1475	855

LANCASTER LABORATORIES

Sample Number: IBLKX1224C IFPIBLKIF PIBLK1218699999 Injection Volume: SW-846 8082
Injected On: 7/6/2012 9:02:01 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p20188B.0073.RAW
Method File: PESTDI20B.MET
Calibration File: 1P20188b.CAL

RT B	Compound B	Height B	Area B
2.524		8310	4016
2.546		9567	5200
2.582		33374	22626
2.61		114800	101485
2.63		242897	686674
2.696		274609	457857
2.725		184269	351702
2.768		51930	60809
2.784		8944	6215
2.811		21890	15698
2.845	TCX	30349710	21348870
2.916		7356	2409
2.937		45150	50100
2.967		108064	84845
3.029		25007	247746
3.048		15228	11036
3.072		370086	250403
3.105		10786	6761
3.135		19297	30202
3.175		11565	9967
3.193		84048	55762
3.227		15933	8444
3.241		101155	218446
3.308		11432	260463
3.317		19778	15267
3.352		22088	18581
3.376		44263	56922
3.439		16396	11920
3.479		25968	21570
3.508		91041	141415
3.566		413920	735575
3.609		66589	116236
3.656		31802	38538
3.695		21187	20809
3.744		178281	655783
3.837		166951	601061
3.888		124358	621151
3.966		129335	240578
3.986		15754	6210
4.008		190675	634286
4.089		184155	337589
4.125		26878	31902
4.159		20843	36753
4.222		22436	31358
4.281		49801	402054
4.332		34272	18349
4.383		154776	494967
4.415		26621	18920
4.442		85314	239296
4.496		142228	295385
4.516		14278	8591
4.549		412607	1189427
4.617		39782	24289
4.687		12571	395112

RT B	Compound B	Height B	Area B
4.696		9774	3959
4.713		13169	8551
4.774		31005	43782
4.833		41097	40649
4.873		228885	357730
4.912		29538	20957
4.946		67368	113519
4.961		68415	54533
4.996		61836	70078
5.019		8770	3840
5.058		17534	14930
5.088		22273	12044
5.125		92398	120632
5.171		224751	423096
5.21		23197	14472
5.271		35813	272257
5.305		44576	209748
5.39		161493	552909
5.461		272448	482955
5.552		135430	434873
5.603		108382	1404978
5.748		54802	43249
5.825		493818	2201133
5.908		162084	246140
5.943		66715	74454
5.992		133954	287241
6.074		78503	218168
6.329		208002	667285
6.45		8614	5879
6.494	DCB	17506990	19999730
6.763		12000	14058
6.84		17435	17630
6.896		8768	4457
7.003		12526	32458
7.052		14199	18486
7.151		29630	48031
7.219		8878	18784
7.296		5065	1586
7.309		8306	10488
7.37		22810	28183
7.495		5790	4246
7.53		13086	23401
7.599		19581	28395
7.684		5680	3527
7.738		10180	20530
7.817		6113	5911
7.942		10781	24160
8.188		4258	3339
8.393		6307	4065
8.464		4719	2573
8.501		5857	3239
8.586		6102	16531

IBLKX1224C IFPIBLKIF PIBLK1218699999 SW-846 8082

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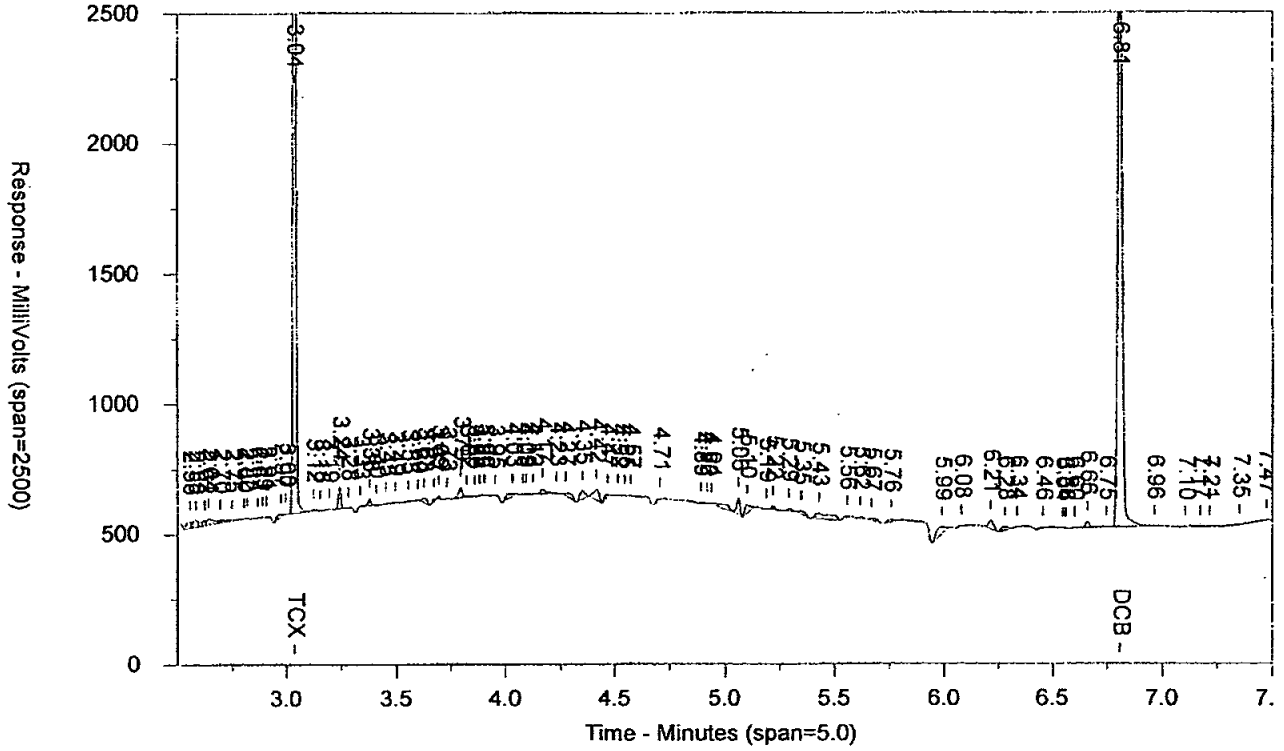

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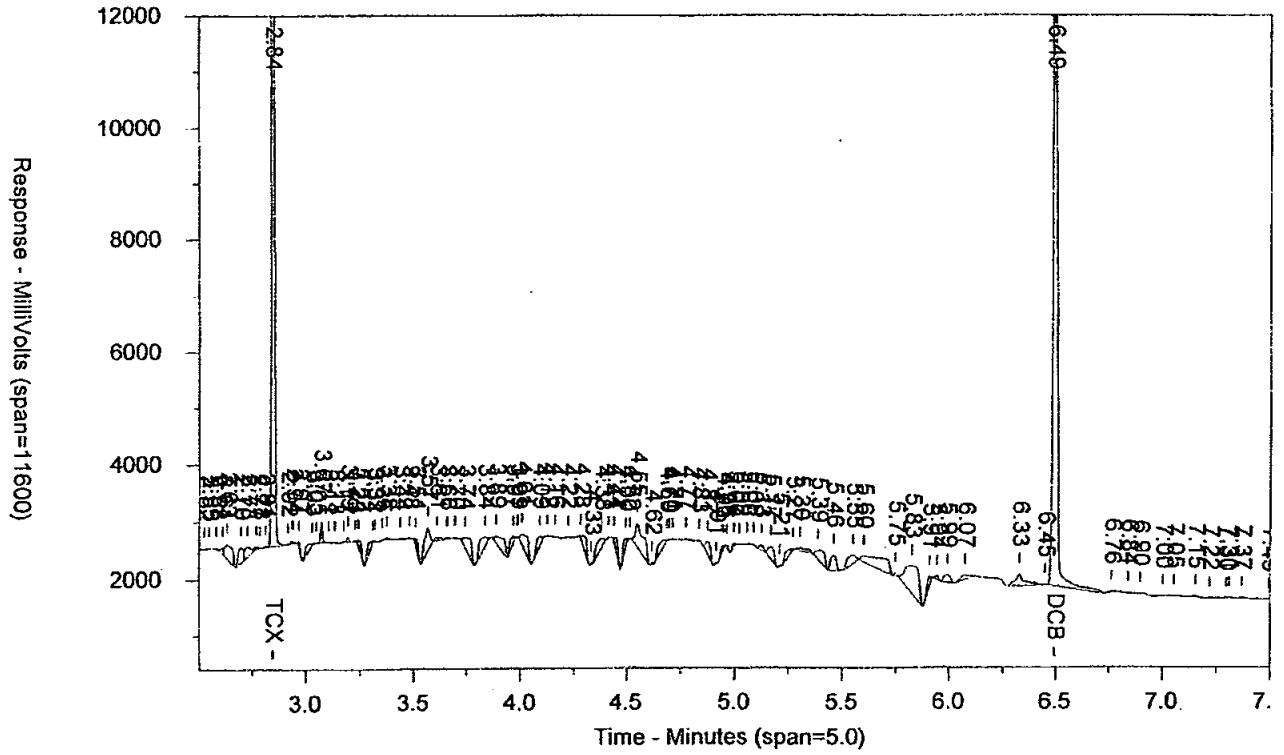

ASX67 0578

LANCASTER LABORATORIES

Sample Number: IBLKX1224C IFPIBLKIF PIBLK1218699999 Sample Weigh SW846 8082
Injected On: 7/6/2012 9:02:01 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	5495338	.213	TCX	2.845	30349710	.203	TCX
6.808	2734047	.19	DCB	6.494	17506990	.167	DCB

Files:
Area File: 1p20188.0073.RAW
Area File: 1p20188B.0073.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 1p20188.CAL
Calibration File B: 1P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/6/2012 9:10:43 PM
File Reported On: 7/8/2012 at 3:42:25 PM

ASX67 0571

IBLKX1224C IFPIBLKIF PIBLK1218699999 SW-846 8082

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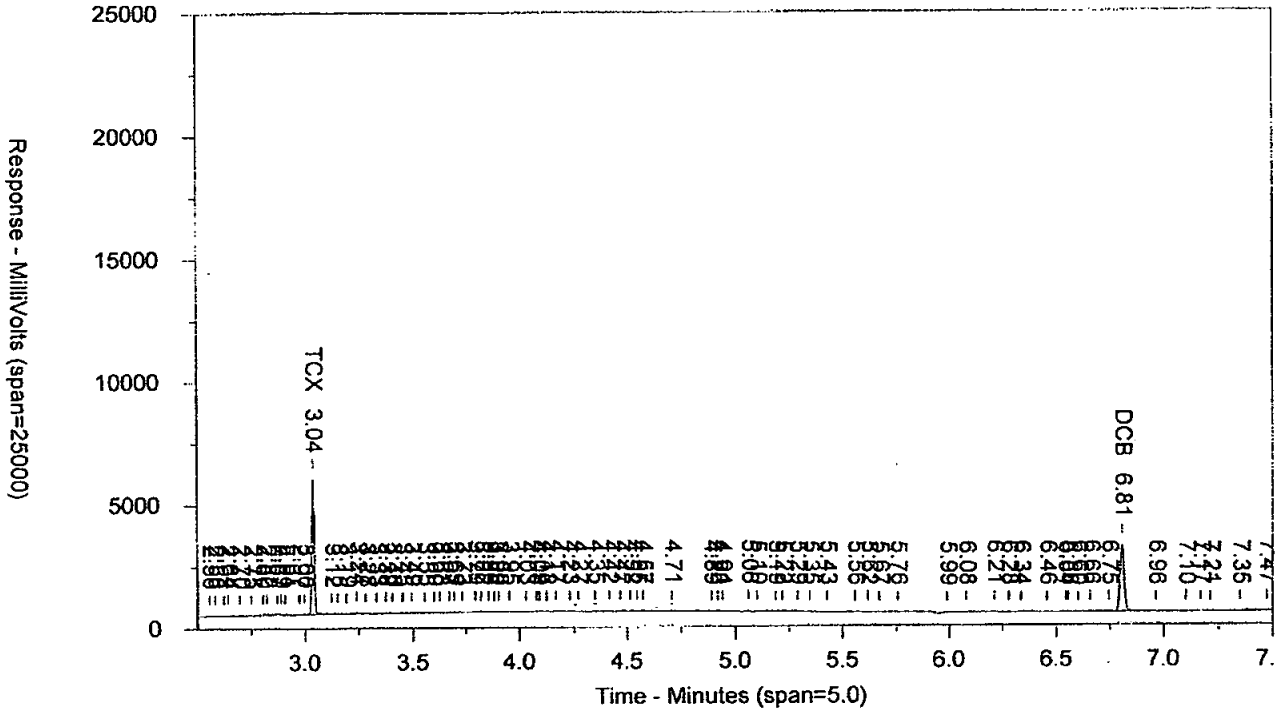

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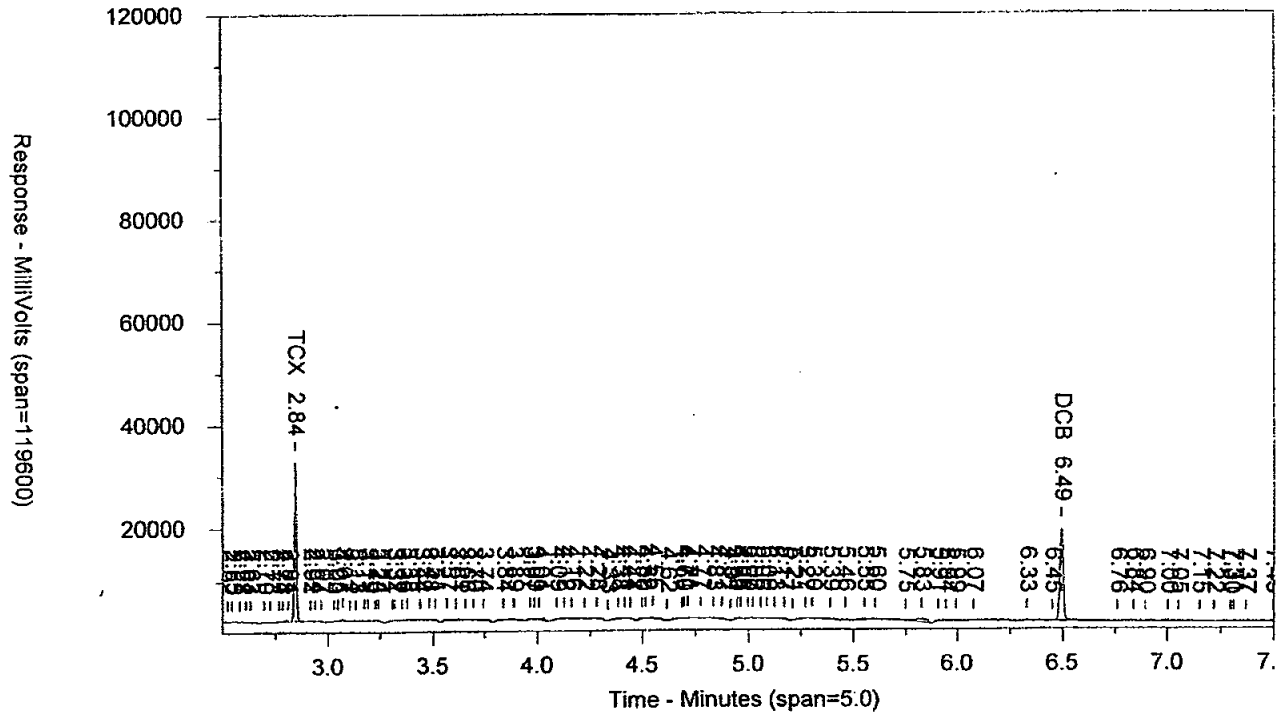

ASX67 8572

LANCASTER LABORATORIES

Sample Number: AR4811224A AAAR481AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 12:20:25 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 3p20188.0004.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.521		2721	2047
2.541		1628	777
2.556		1762	953
2.584		4252	7002
2.627		2071	1498
2.646		8110	12636
2.696		3626	1900
2.769		1782	1504
2.818		7545	7089
2.858		5631	4573
2.883		9991	7941
2.908		22910	18722
2.971		3495	8548
2.996		4401	2934
3.036	TCX	1105869	863163
3.061		8276	6199
3.124		3753	2563
3.151		15526	11522
3.19		3821	3607
3.241		16796	13273
3.298		26247	23037
3.337		1227	582
3.373		5136	5062
3.396		5385	5890
3.443		2102	1660
3.494		2007	3750
3.516		131084	91127
3.533		27814	14415
3.571		8136	6911
3.634		129600	111850
3.667		3059	1887
3.691		2488	1396
3.726		2000	1471
3.747		22434	16447
3.811		78558	59925
3.822		102320	67978
3.861		153845	140727
3.922		188660	179573
3.965		25036	19945
3.992		315001	265785
4.022		202036	179161
4.044		54711	35462
4.122		353902	313582
4.148		94429	69570
4.18		128184	104560
4.217		311758	344261
4.258		104544	99492
4.306		10573	8711
4.347		34786	32908
4.383		243432	184298
4.404		264376	185486
4.428		355114	286083
4.458		2255	1338
4.499		31798	33888

ASX67 0573

RT A	Compound A	Height A	Area A
4.539		329318	305762
4.562		74129	83097
4.619		4405	2384
4.646		18296	14059
4.689		102597	104218
4.743		144951	149316
4.777		72856	57969
4.807		228493	233474
4.857		5808	6361
4.895		105254	108806
4.934		15591	23942
4.987		25347	25585
5.029		193669	207070
5.058		9507	8380
5.111		17435	28489
5.14		10508	8490
5.189		2196	1128
5.231		186569	213324
5.279		4476	9987
5.35		40848	60985
5.459		2685	1419
5.559		16418	29717
5.647		66142	122128
5.758		7958	7586
5.814		6980	8605
5.994		8119	48470
6.024		8783	12498
6.08		5295	20571
6.212		7409	10087
6.289		2498	3276
6.359		2561	2901
6.427		3692	9665
6.657		6187	7491
6.733		1179	755
6.804	DCB	682370	877930
6.982		23231	41878
7.089		1775	1798
7.17		3581	4416
7.245		1495	373
7.3		1341	723
7.378		1583	1715
7.467		749	576
7.616		1663	942
7.652		1130	588
7.74		1768	1167
7.83		1485	757
7.862		1070	1169
7.936		2285	2225
7.987		1633	843
8.049		1470	2630
8.138		1663	2745
8.351		1922	2059
8.405		1716	890
8.571		1395	1258

ASX67 9574

LANCASTER LABORATORIES

Sample Number: AR4811224A AAAR481AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 12:20:25 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 3p20188B.0004.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.52		25996	31064
2.563		34640	26838
2.573		38743	38364
2.629		98728	215303
2.666		63109	68221
2.696		65377	91939
2.726		85992	155818
2.766		105104	126205
2.812		35865	28994
2.844	TCX	6351357	4445450
2.886		11695	5398
2.931		6768	3230
2.972		98298	149476
3.02		32802	40132
3.055		7788	5210
3.071		85614	64853
3.137		119209	84850
3.194		27408	21062
3.228		21435	22245
3.255		43803	40702
3.295		17209	9093
3.324		18186	10298
3.35		809572	832357
3.404		52133	48116
3.444		9577	4814
3.477		603575	487676
3.511		13768	5025
3.563		303847	320079
3.639		1670988	2193902
3.661		66170	30197
3.675		603143	393283
3.754		997773	789323
3.788		1697398	1236178
3.815		1549632	1051502
3.834		434113	247691
3.928		2239113	1726418
3.954		661824	422360
3.977		676900	476217
4.012		127138	81477
4.028		1506396	1109685
4.075		581329	539376
4.123		106823	89568
4.147		1263769	889147
4.171		3005708	2317545
4.198		2195672	1671763
4.22		87252	41373
4.239		96129	56683
4.277		970641	840219
4.318		1347711	1255367
4.35		953745	772026
4.4		82995	68989
4.436		596867	669993
4.499		1015568	1023882
4.535		467887	376619

ASX67 8575

RT B	Compound B	Height B	Area B
4.564		1451581	1223282
4.668		504213	689544
4.701		153650	129891
4.737		1245442	1198741
4.789		33035	19047
4.807		96145	71582
4.839		94521	89793
4.868		11094	7040
4.92		146383	154045
4.976		951134	950231
5.015		42051	41757
5.059		237643	291131
5.112		23286	15524
5.131		11791	11460
5.211		5348	3007
5.285		15677	11134
5.318		67478	61370
5.368		6860	2297
5.463		40029	54205
5.479		23699	19061
5.544		14341	26311
5.6		29909	69872
5.672		91541	115365
5.746		29693	25276
5.951		91098	829478
6.004		9483	24696
6.021		5787	1697
6.122		11966	15806
6.206		10585	17188
6.33		31849	44195
6.491	DCB	4076445	4788573
6.908		87745	142134
7.048		9265	11066
7.15		15356	21656
7.569		6779	6794
7.637		10917	33656
7.721		4709	1960
7.908		7010	5067
8.139		5913	4912
8.18		4763	6192
8.253		4075	7493
8.476		5090	2513
8.541		4825	2168

ASX67 8576

AR4811224A AAAR481AA ICAL 1218999999 SW-846 8082

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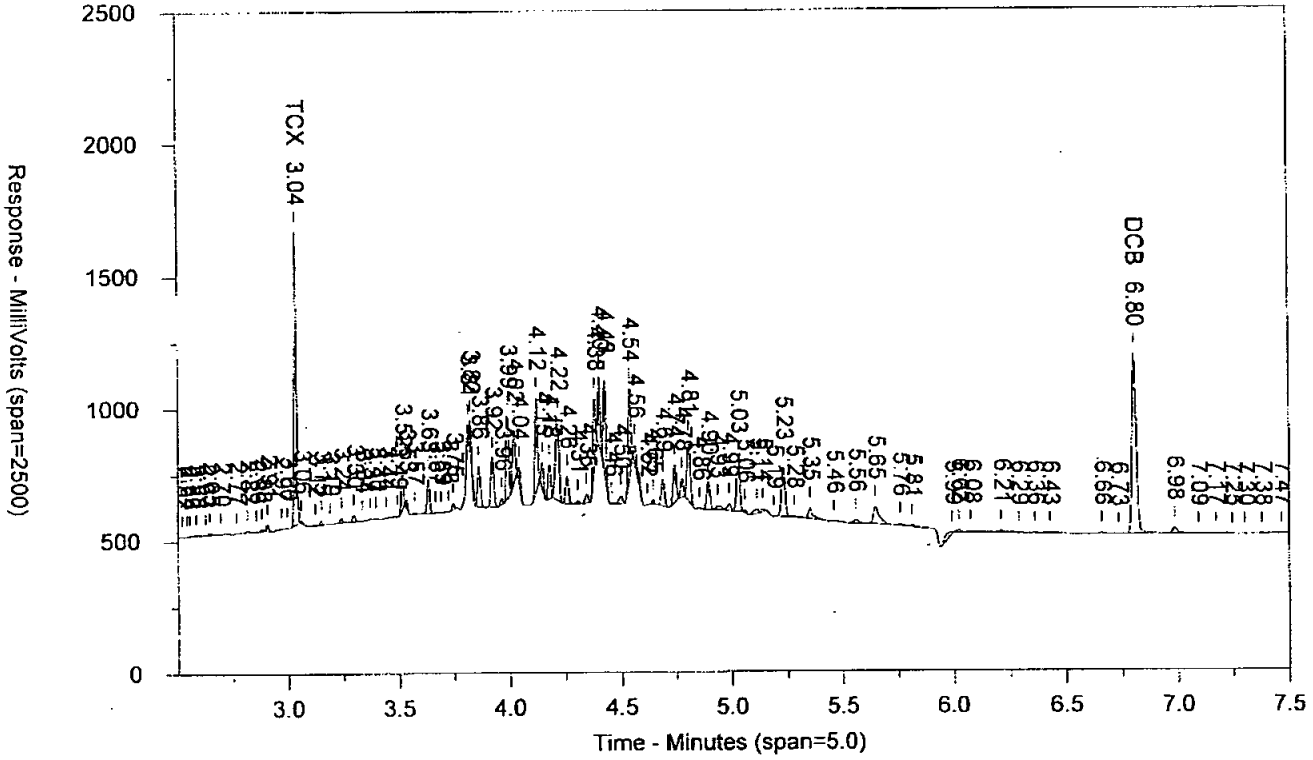

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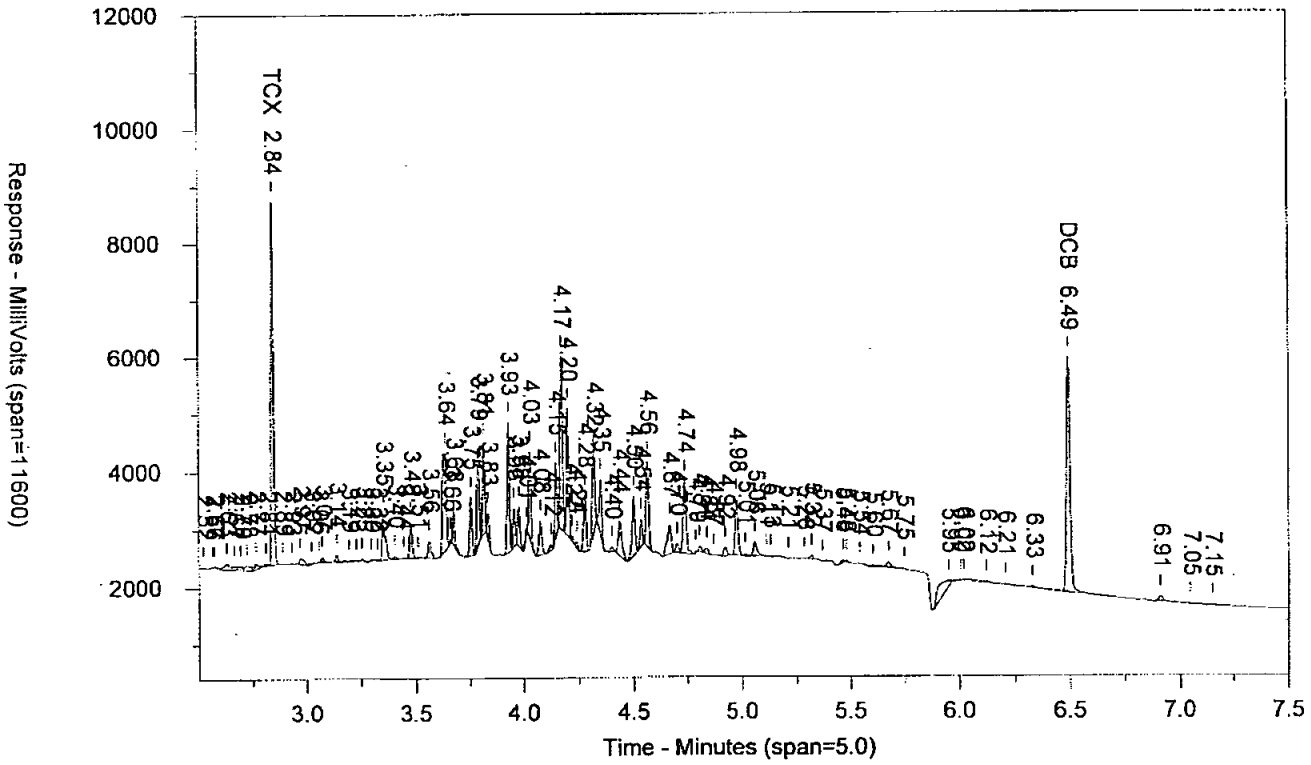

ASX67 0577

LANCASTER LABORATORIES

Sample Number: AR4811224A AAAR481AA ICAL 1218999999 Sample Weight:SW-846 8082
Injected On: 7/9/2012 12:20:25 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.036	1105869	4.283	TCX	2.844	6351357	4.247	TCX
6.804	682370	4.737	DCB	6.491	4076445	3.895	DCB

Files:
Area File: 3p20188.0004.RAW
Area File: 3p20188B.0004.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/9/2012 12:29:09 AM
File Reported On: 7/9/2012 at 2:07:19 PM

ASX67 9578

AR4811224A AAAR481AA ICAL 1218999999 SW-846 8082

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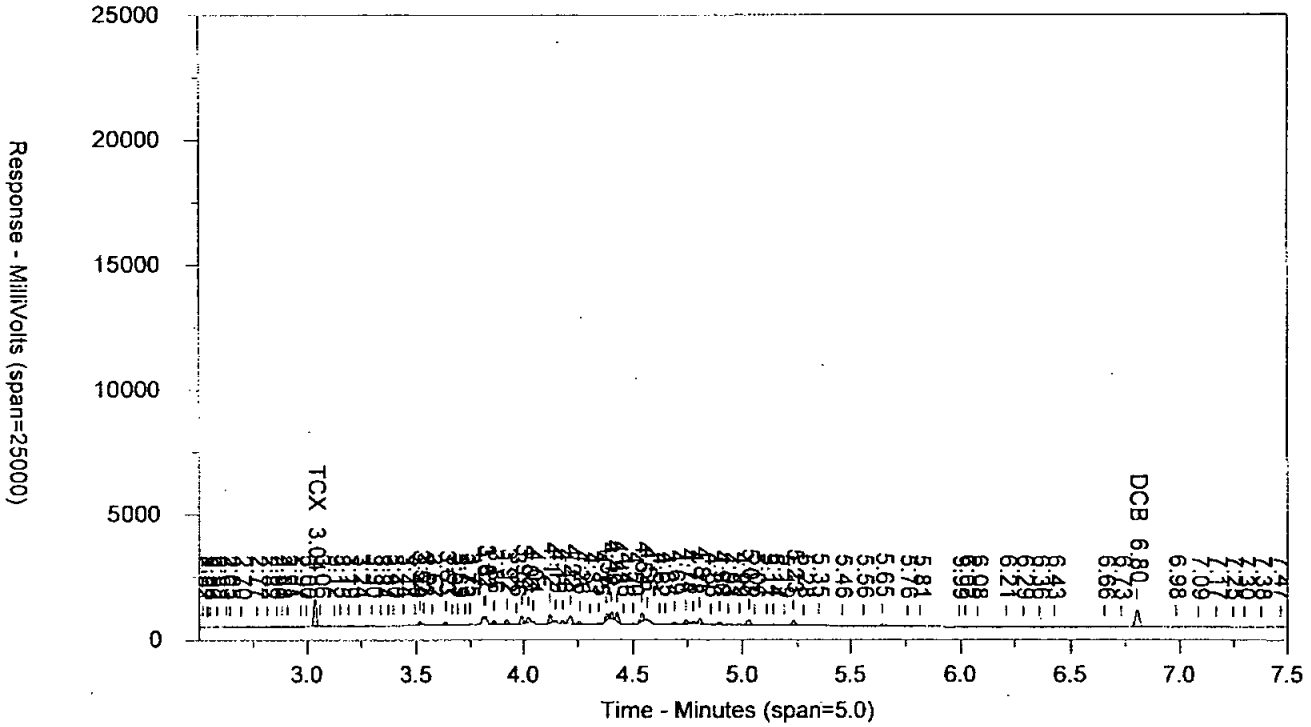

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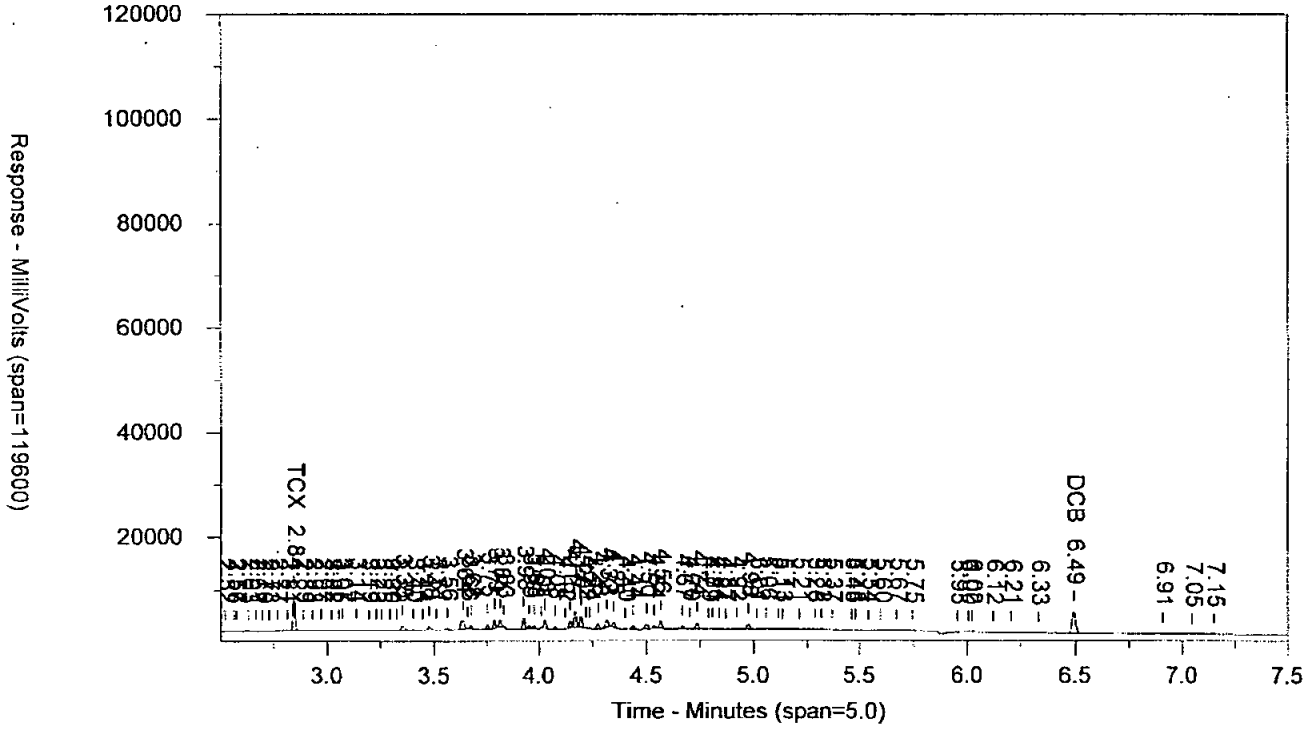

ASX67 8579

LANCASTER LABORATORIES

Sample Number: AR4821224A AAAR482AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 12:31:56 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 3p20188.0005.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.526		3917	4148
2.582		6356	17879
2.647		13532	26613
2.694		17894	29055
2.772		1773	1377
2.817		6983	7729
2.86		3124	3065
2.883		7599	6123
2.909		87781	63680
2.968		7099	13151
2.994		6948	4631
3.037	TCX	5075112	4008879
3.151		21839	17025
3.188		5158	5140
3.241		82685	65977
3.299		49105	41891
3.374		15270	10479
3.395		9577	7219
3.44		1706	734
3.479		3326	2933
3.518		234732	167934
3.534		53452	27922
3.572		12437	8473
3.605		2154	701
3.636		231847	201585
3.675		2855	1588
3.693		13498	11358
3.748		41784	31648
3.766		9545	4869
3.812		171068	115455
3.823		175554	121032
3.862		281037	257382
3.923		352128	327332
3.965		49514	34822
3.993		568731	482159
4.022		376536	331157
4.045		95519	59005
4.124		656539	563406
4.149		173029	128133
4.181		224818	190617
4.218		565845	625561
4.26		197959	187751
4.306		22569	22332
4.349		63635	60623
4.384		400250	326351
4.405		515489	347640
4.429		625384	500734
4.464		3370	2799
4.5		62546	61728
4.541		587153	548945
4.562		135825	77438
4.579		53420	34141
4.623		9866	6141
4.646		31303	28680

ASX67 8588

RT A	Compound A	Height A	Area A
4.691		182682	186564
4.744		262020	276636
4.778		116506	96701
4.808		412717	399932
4.854		8688	9035
4.896		177458	196984
4.952		42256	69691
4.988		46795	45137
5.03		355246	434284
5.112		35952	56735
5.142		32813	56528
5.233		358293	405937
5.28		6900	5436
5.303		5552	8064
5.35		80337	126089
5.493		3869	4894
5.56		31777	51328
5.648		213971	404090
5.761		13939	14344
5.815		21761	261787
5.977		54561	87654
6.026		11518	15077
6.078		5117	7132
6.116		2744	1480
6.211		34094	44261
6.277		4848	8379
6.388		43548	120449
6.454		17797	40353
6.483		1512	698
6.512		3289	4032
6.657		22734	26918
6.695		19665	21185
6.765		1056	1157
6.805	DCB	2824090	3542766
6.934		968	514
6.982		53236	84473
7.148		2244	1834
7.22		2789	6092
7.308		2198	2263
7.407		2672	6015
7.504		1337	1770
7.552		3084	8131
7.687		3184	10179
7.737		1555	1450
7.791		1775	1748
7.841		1904	963
7.885		3300	6313
7.936		4620	9667
8.028		1406	1147
8.2		2014	3398
8.252		1729	878
8.297		1294	1003
8.474		2277	2615
8.671		3094	5488

ASX67 0581

LANCASTER LABORATORIES

Sample Number: AR4821224A AAAR482AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 12:31:56 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 3p20188B.0005.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.517		30899	33578
2.545		32636	93246
2.632		110461	213105
2.687		56834	100862
2.726		81305	136052
2.766		80228	97946
2.812		26000	18556
2.845	TCX	31315490	21471180
2.939		8911	2785
2.97		183678	302527
3.016		65764	68678
3.071		412579	371587
3.137		237120	162419
3.191		108707	99956
3.229		25085	46671
3.254		74075	60419
3.294		41501	68172
3.35		1515962	1563213
3.404		92585	79937
3.453		23420	14266
3.477		1162402	935215
3.513		19762	19839
3.548		19323	13201
3.563		338829	342070
3.609		19620	12940
3.63		3162047	4098667
3.662		144908	62101
3.676		1128056	734494
3.755		1936869	1499144
3.788		3130004	2291400
3.815		2773297	1943404
3.835		822569	487164
3.886		28761	45400
3.929		4150732	3168484
3.956		1251706	811096
3.978		1225600	902597
4.013		248956	145515
4.029		2876500	2082580
4.076		1090175	992711
4.123		200427	172159
4.148		2359107	1689091
4.173		5853296	4304446
4.199		4123405	3118457
4.222		173833	81153
4.238		179398	107720
4.278		1826642	1593961
4.319		2558328	2341350
4.351		1801380	1480870
4.401		169305	158210
4.438		1193064	1256537
4.5		1912991	1956052
4.536		933197	758792
4.565		2649669	2377365
4.607		56383	71377

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RT B	Compound B	Height B	Area B
4.668		980577	1309803
4.702		285618	245075
4.738		2368664	2283381
4.79		227541	152634
4.809		115300	60201
4.837		193614	208045
4.922		298556	341132
4.976		1862109	1926492
5.016		73722	67937
5.059		433894	563996
5.111		29972	22590
5.18		30997	37332
5.233		10935	4639
5.253		23340	20426
5.288		29509	17984
5.317		133945	122222
5.399		29748	66112
5.464		60122	56169
5.484		48686	29262
5.506		149792	151863
5.542		35853	57062
5.596		26558	43626
5.671		808863	1381928
5.744		357874	848407
5.788		40123	62004
5.82		95804	756502
5.906		188126	261087
5.936		185056	281312
6.007		63938	332260
6.034		31446	53965
6.126		21044	19029
6.206		50490	93060
6.329		130269	162080
6.492	DCB	18762530	21416700
6.836		24815	34299
6.908		246484	556634
7.055		6107	12601
7.105		6256	3725
7.145		19536	32032
7.213		9703	14159
7.283		6181	10972
7.362		19767	26906
7.538		31060	130969
7.664		7703	15564
7.682		8577	9079
8.053		9123	24068
8.241		5393	10444
8.383		4186	3306
8.421		5218	1946
8.526		5316	1837
8.553		6417	14542
8.651		7701	11170

ASX67 0583

AR4821224A AAAR482AA ICAL 1218999999 SW-846 8082

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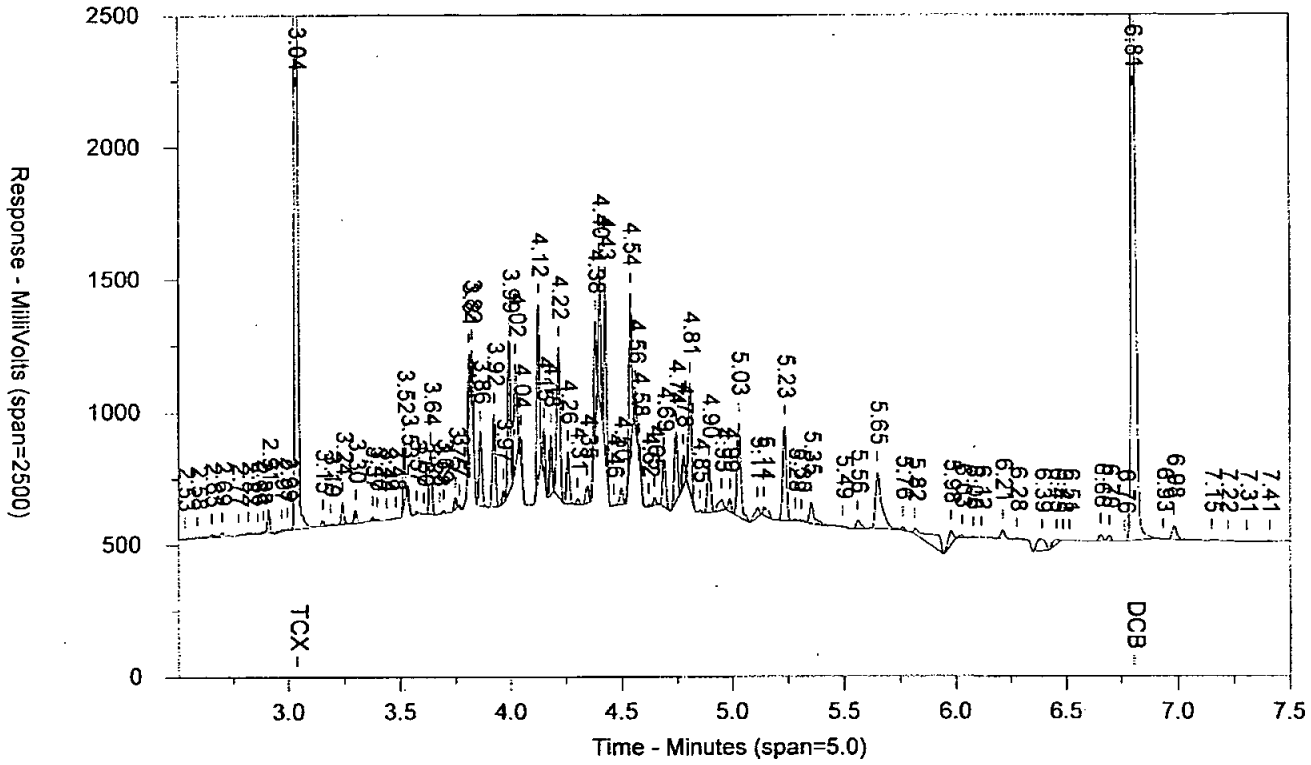

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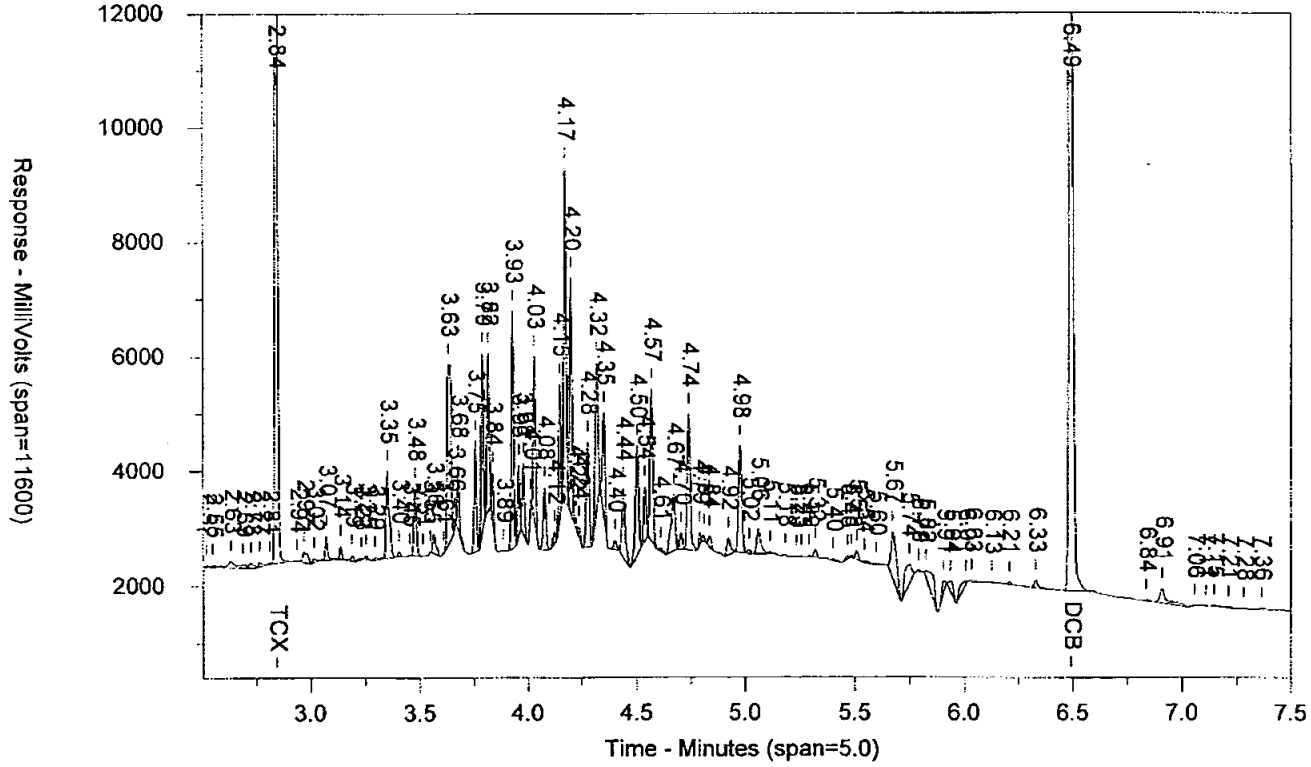

ASX67 0584

LANCASTER LABORATORIES

Sample Number: AR4821224A AAAR482AA ICAL 1218999999 Sample Weight:SW-846 8082
Injected On: 7/9/2012 12:31:56 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	5075112	19.656	TCX	2.845	31315490	20.939	TCX
6.805	2824090	19.604	DCB	6.492	18762530	17.927	DCB

Files:
Area File: 3p20188.0005.RAW
Area File: 3p20188B.0005.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/9/2012 12:40:40 AM
File Reported On: 7/9/2012 at 2:07:25 PM

ASX67 0585

AR4821224A AAAR482AA ICAL 1218999999 SW-846 8082

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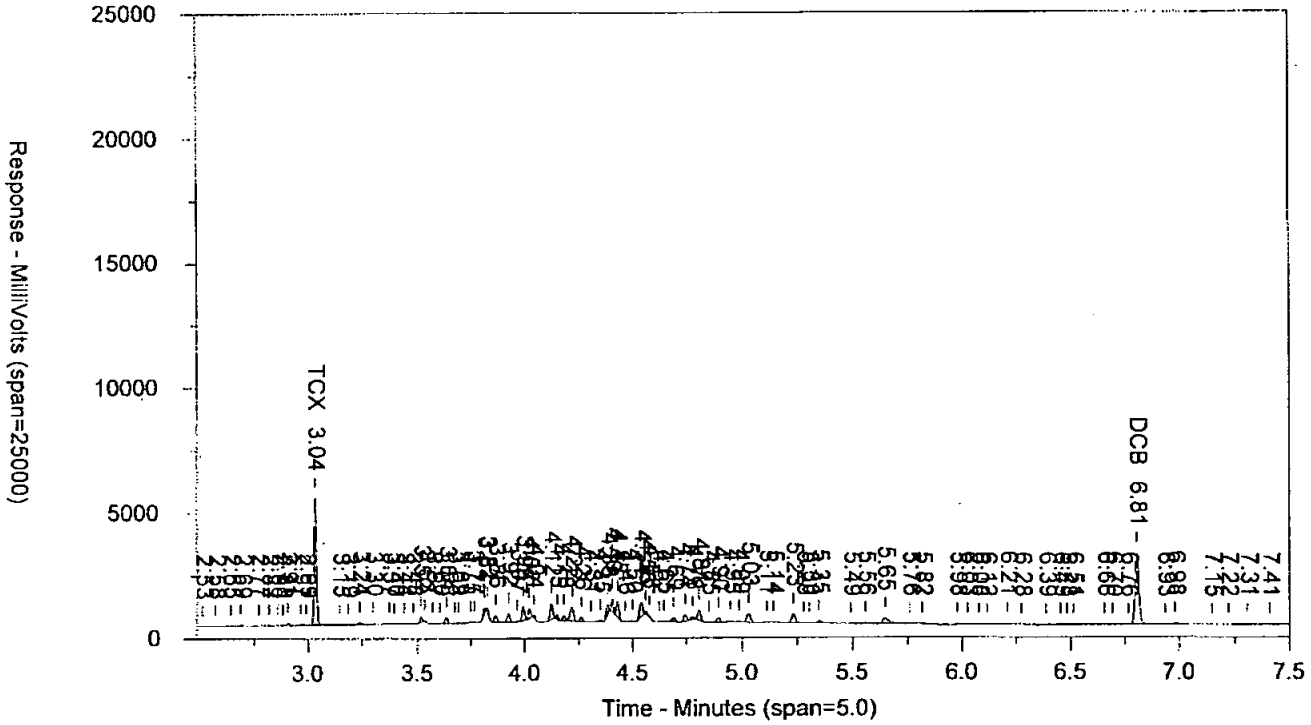

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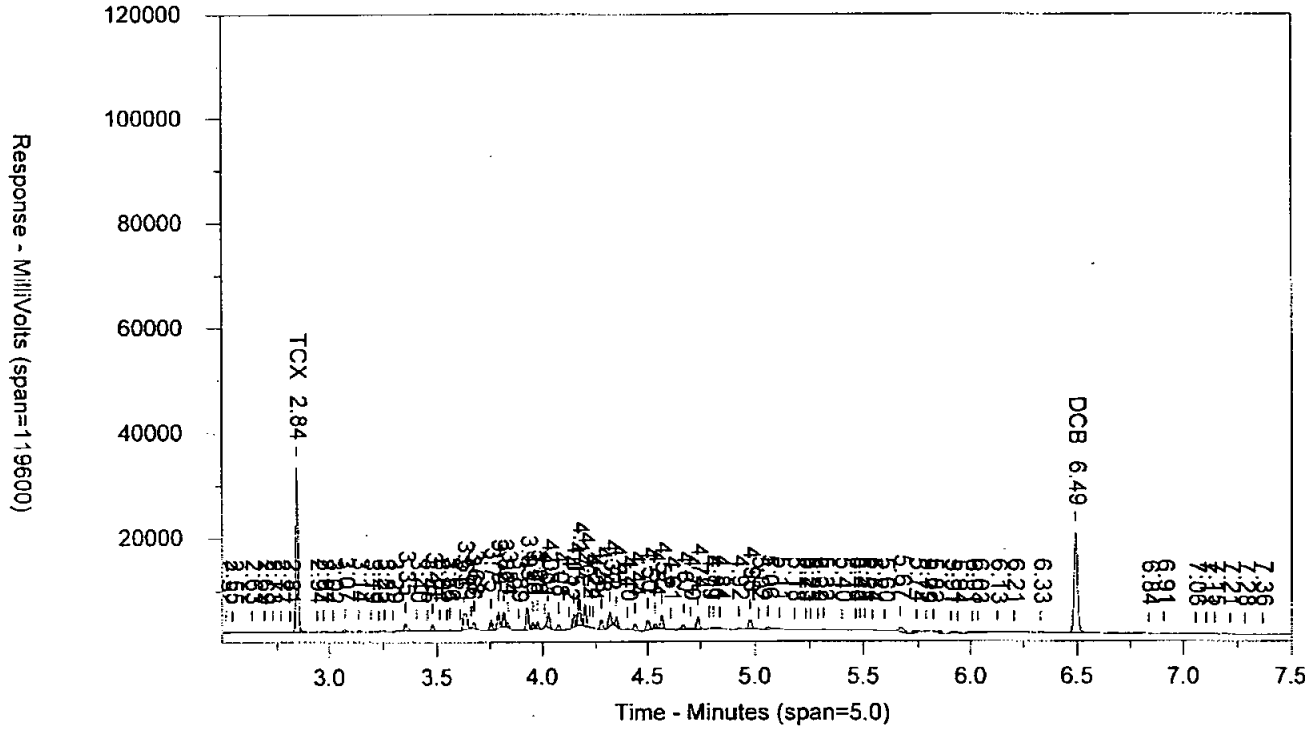

ASX67 8586

LANCASTER LABORATORIES

Sample Number: AR4831224A AAAR483AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 12:43:24 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 3p20188.0006.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.52		4870	3888
2.541		3188	2121
2.58		8237	10527
2.624		3395	3809
2.651		6591	8117
2.698		7676	6797
2.788		2323	3611
2.82		12868	12411
2.858		5424	4790
2.884		12497	9871
2.909		42480	31053
2.968		5384	11277
2.996		5062	3645
3.037	TCX	10119680	7694960
3.124		3545	2168
3.151		9114	7428
3.191		10460	10120
3.241		167052	133217
3.298		95442	76067
3.354		2330	842
3.375		25397	17319
3.394		22018	13029
3.442		4888	4297
3.477		6008	6750
3.517		454165	320580
3.535		108689	57411
3.572		34863	26784
3.604		4678	3026
3.636		449008	382020
3.671		3338	2135
3.694		27218	22787
3.749		87241	63526
3.812		295801	227831
3.822		306611	197763
3.862		552493	497548
3.923		667700	627079
3.965		94028	66908
3.993		1068570	910093
4.022		676760	612281
4.045		202611	121816
4.095		2329	917
4.124		1239814	1073287
4.149		332854	239044
4.181		439474	364133
4.217		1132886	1197422
4.26		390635	361937
4.307		46287	44054
4.348		123190	117501
4.384		758111	580608
4.404		942097	651058
4.429		1255729	1004547
4.499		125190	134301
4.541		1140819	1057926
4.562		270861	147077

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RT A	Compound A	Height A	Area A
4.579		92544	68471
4.623		16303	12737
4.646		66196	55909
4.69		358224	396405
4.745		528185	531312
4.777		255052	211873
4.809		830604	836003
4.856		15633	14954
4.895		363279	392551
4.937		69020	103204
4.987		103127	102579
5.03		671109	788603
5.113		58873	80388
5.143		69337	122182
5.193		3789	2554
5.233		668734	767152
5.276		14014	11787
5.302		10910	13963
5.35		163458	249334
5.457		5947	13121
5.562		57526	84635
5.648		100801	188988
5.76		33652	41322
5.817		38380	279762
6.025		32822	148963
6.073		6594	11715
6.212		45158	49051
6.249		38794	42937
6.296		3973	4764
6.362		3110	3953
6.424		5885	6064
6.451		4786	5216
6.571		1199	1235
6.621		4817	4023
6.658		46937	54434
6.736		1379	329
6.807	DCB	5067624	6761770
6.984		26731	50041
7.089		2616	3341
7.157		5597	11032
7.22		6116	13140
7.485		1363	1152
7.563		1844	2941
7.648		1536	1732
7.686		8988	16371
7.884		3892	7238
7.943		9379	16714
8.048		1173	1161
8.147		981	698
8.233		1772	1596
8.442		1698	4349
8.534		1362	572
8.586		1561	826
8.661		772	1185

LANCASTER LABORATORIES

Sample Number: AR4831224A AAAR483AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 12:43:24 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 3p20188B.0006.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		26260	23889
2.546		13121	12433
2.58		22965	23454
2.632		101859	178572
2.665		45463	50026
2.688		41924	44475
2.724		78635	136650
2.765		141212	145270
2.81		68823	48624
2.845	TCX	61368780	42552900
2.937		9017	7245
2.971		176910	258036
3.018		74258	70335
3.071		789082	585513
3.137		457601	328144
3.168		12219	6609
3.193		176423	130330
3.227		20045	16358
3.254		119925	96722
3.313		49607	79905
3.351		2976607	2979129
3.404		188636	135222
3.427		17292	6494
3.451		33353	20004
3.478		2250345	1834239
3.524		8118	9597
3.546		52607	26970
3.561		567225	537534
3.63		2003387	1213876
3.639		2164468	963876
3.661		289717	120114
3.675		2138999	1448829
3.754		3771668	2932349
3.789		6180126	4449441
3.815		5433675	3702918
3.835		1589267	916554
3.929		7927051	6203380
3.955		2254872	1468421
3.978		2463152	1767717
4.012		464077	290983
4.028		5441788	3950375
4.076		2184878	1939419
4.123		423001	362951
4.148		4650190	3278277
4.172		11253180	8457945
4.199		8200569	6109092
4.221		315004	152033
4.238		404917	240302
4.278		3502952	3118177
4.319		5223151	4855872
4.35		3382617	2537150
4.4		392701	333540
4.437		2104271	2118505
4.499		3655738	3492558

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RT B	Compound B	Height B	Area B
4.536		1863620	1537783
4.565		5144947	4679238
4.606		104976	130409
4.668		1979685	2618088
4.702		582071	490941
4.738		4474822	4478136
4.809		405740	410327
4.839		343504	321098
4.921		581788	594779
4.976		3747227	3827002
5.018		138479	129330
5.059		934353	1119813
5.111		71278	51609
5.134		24534	17340
5.177		15546	36444
5.251		39508	32420
5.29		54390	42353
5.317		290112	270059
5.364		28682	25262
5.4		28589	44641
5.462		129281	96444
5.483		115833	82164
5.553		16930	21851
5.603		31492	60477
5.671		270204	405082
5.746		329136	3172788
5.904		383886	479694
5.945		29456	35599
5.983		7644	8957
6.014		145317	262292
6.128		38214	39483
6.204		14536	14929
6.259		52900	56760
6.329		282887	315324
6.492	DCB	39327620	42944200
6.594		23000	20201
6.838		39645	45262
6.91		126320	225242
7.147		17116	33831
7.366		45968	71700
7.528		15755	21074
7.653		5695	9777
7.669		7282	12844
7.928		19529	35662
8.06		8204	18837
8.16		7199	9931
8.404		5433	4975

ASX67 8598

AR4831224A AAAR483AA ICAL 1218999999 SW-846 8082

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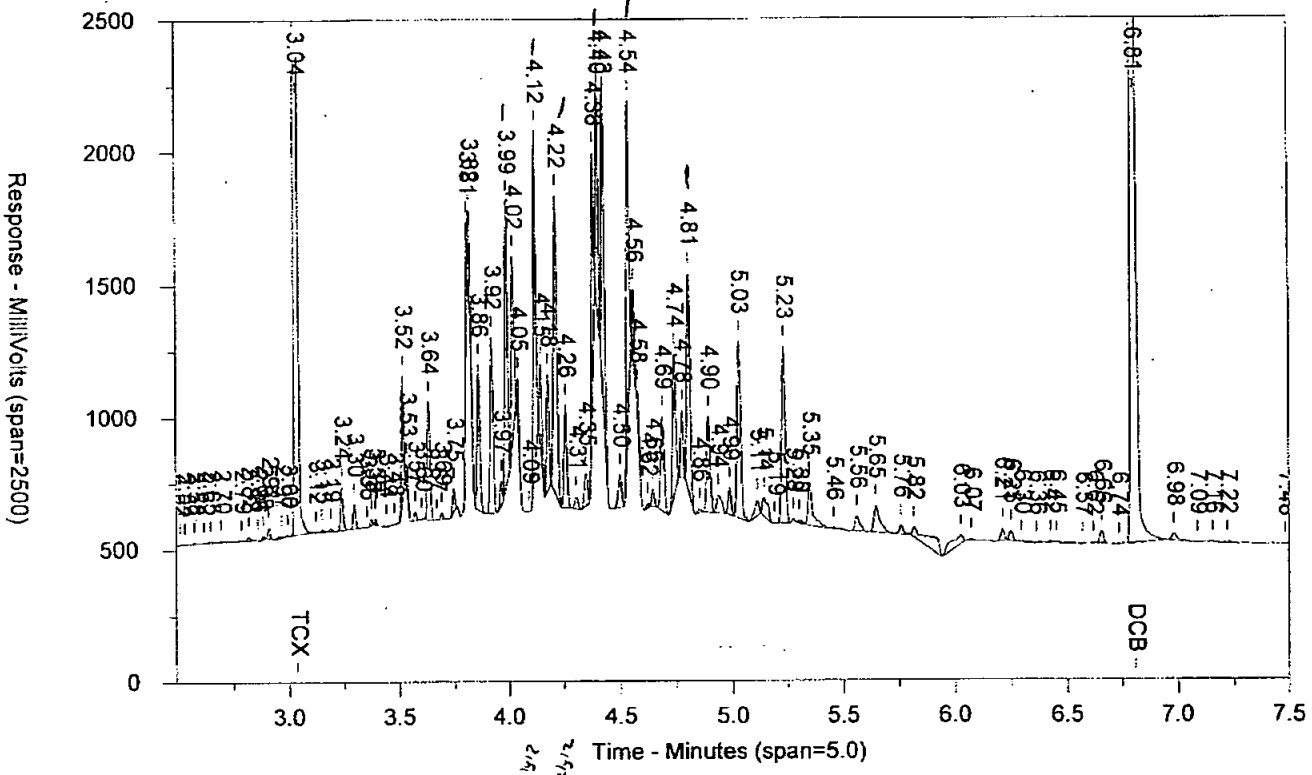

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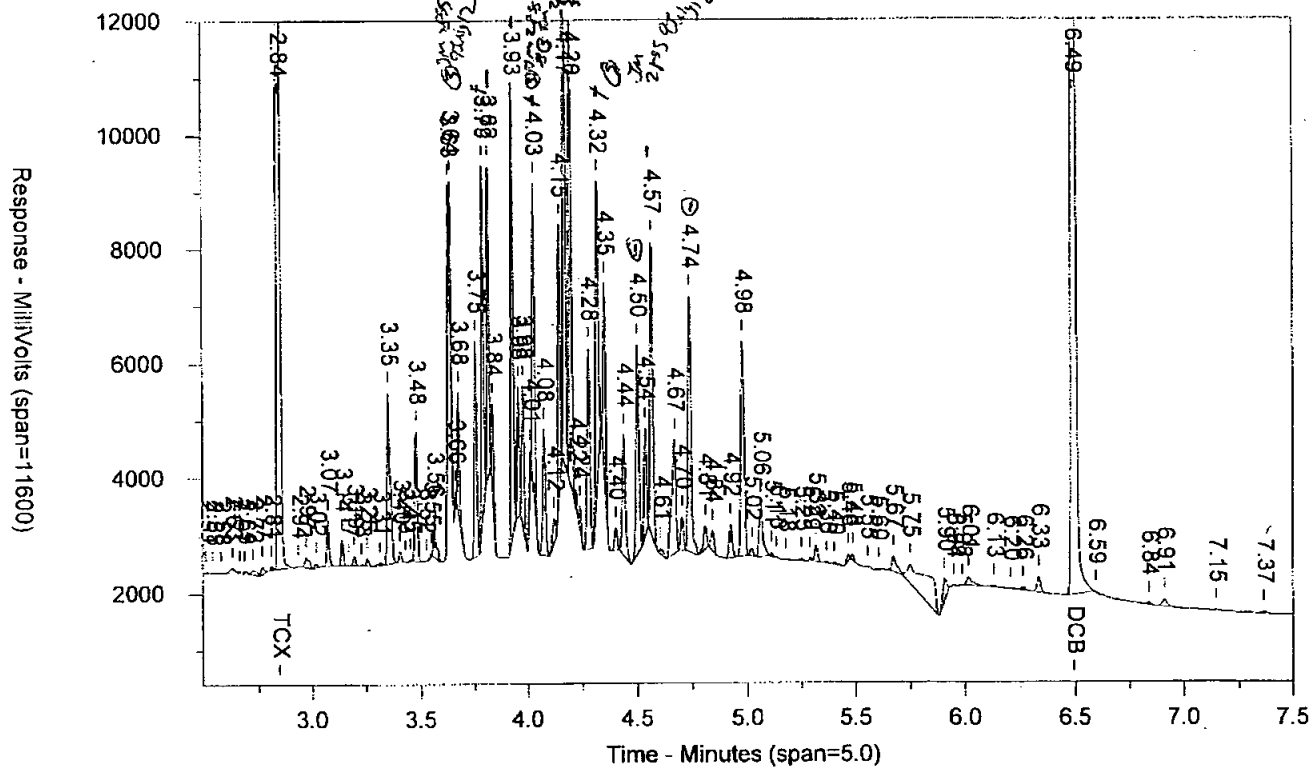

ASX67 0591

LANCASTER LABORATORIES

Sample Number: AR4831224A AAAR483AA ICAL 1218999999 Sample Weight:SW-846 8082
Injected On: 7/9/2012 12:43:24 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	10119680	39.193	TCX	2.845	61368780	41.034	TCX
6.807	5067624	35.178	DCB	6.492	39327620	37.576	DCB

Files:
Area File: 3p20188.0006.RAW
Area File: 3p20188B.0006.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/9/2012 12:52:05 AM
File Reported On: 7/9/2012 at 2:07:31 PM

ASX67 0592

AR4831224A AAAR483AA ICAL 1218999999 SW-846 8082

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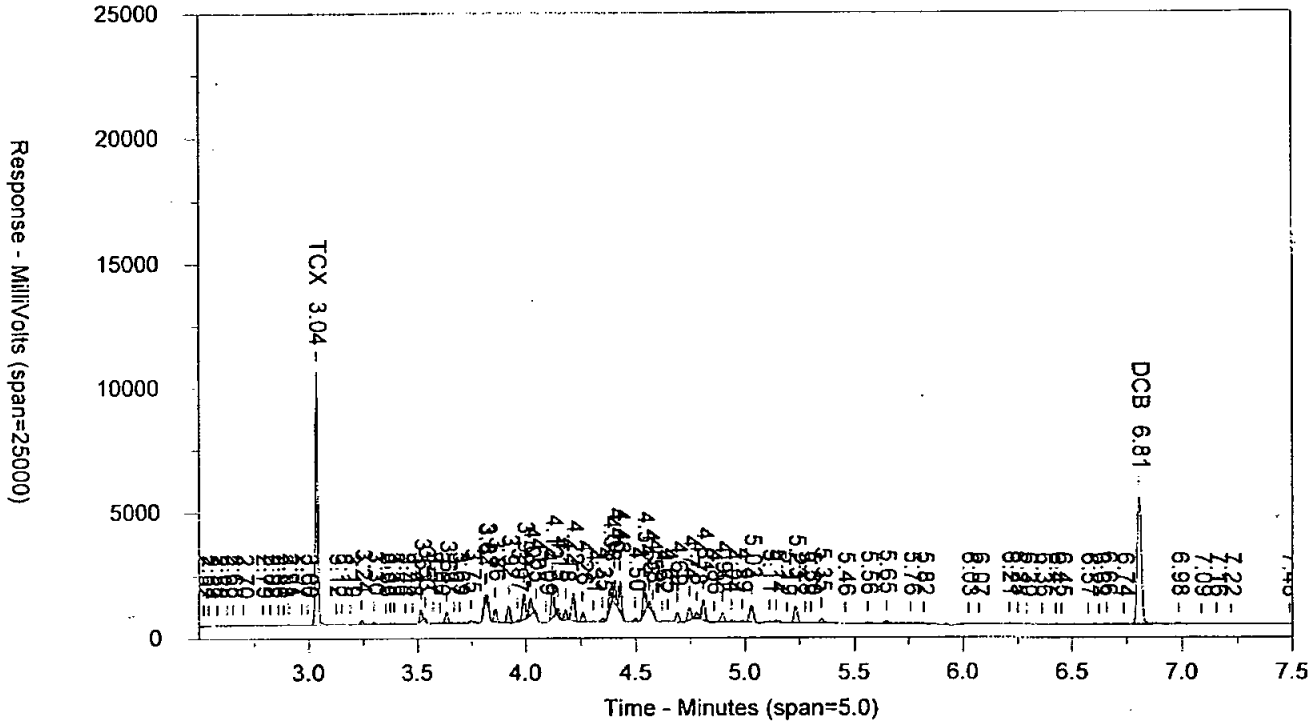

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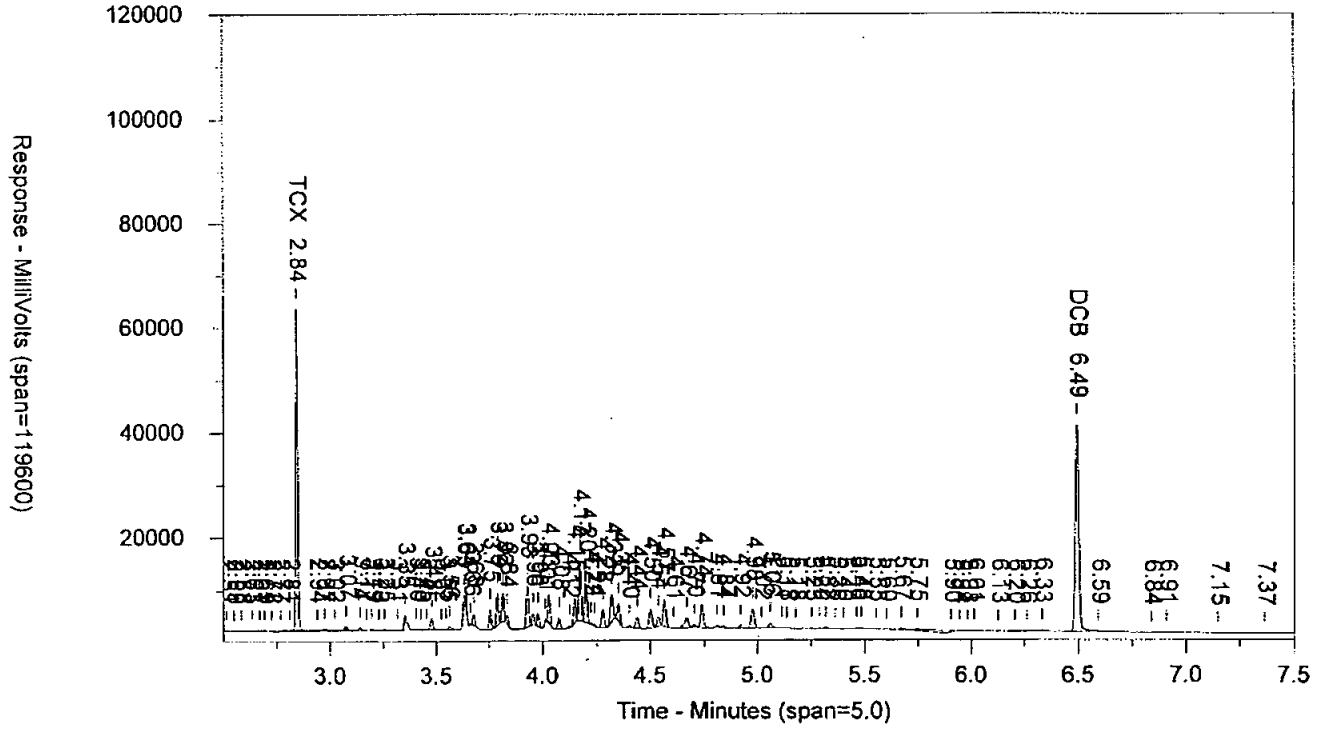

ASX67 0593

LANCASTER LABORATORIES

Sample Number: AR4841224A AAAR484AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 12:54:52 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 3p20188.0007.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.521		2991	2743
2.593		2686	5882
2.645		4552	3599
2.802		1678	4698
2.857		4677	5489
2.883		10523	8027
2.909		30083	27295
2.953		5217	4061
2.97		3190	2057
2.998		1675	1372
3.037	TCX	14692020	11174230
3.151		2833	2328
3.191		23920	23769
3.241		240585	202331
3.298		223436	175051
3.374		36484	21563
3.394		56544	36991
3.484		2487	2537
3.517		976685	693980
3.534		227345	124626
3.572		92099	72502
3.604		14216	8593
3.636		1017449	861821
3.671		2786	1701
3.694		39536	37402
3.748		255588	299580
3.812		759398	518380
3.823		946673	550005
3.862		1204022	1117395
3.923		1521943	1416854
3.965		205627	153480
3.993		2441085	2022451
4.023		1577373	1387624
4.045		401918	257295
4.123		2806423	2392847
4.149		759207	531023
4.181		976930	814598
4.218		2488423	2704116
4.26		863550	818198
4.308		104935	101065
4.349		285440	261466
4.384		1780729	1413030
4.405		2311714	1556222
4.43		2816584	2345132
4.501		276659	318138
4.541		2531025	2400281
4.563		666994	716954
4.623		33995	26617
4.646		148789	133657
4.69		815555	880490
4.744		1150601	1178242
4.778		578682	481121
4.809		1794350	1884119
4.856		31231	29393

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RT A	Compound A	Height A	Area A
4.897		819628	870826
4.937		156685	230189
4.988		223365	235831
5.031		1464298	1733879
5.112		134536	174095
5.142		82926	66686
5.157		44906	33606
5.234		1499770	1734997
5.277		35148	29160
5.303		25989	33185
5.351		351264	503494
5.413		11200	7944
5.459		12323	14454
5.498		7021	5310
5.562		134716	205373
5.645		43134	87391
5.761		77148	78631
5.785		6429	4215
5.818		70383	76427
6.026		59538	174742
6.069		11456	23894
6.214		70079	83901
6.277		1743	832
6.298		5048	4675
6.363		1948	1234
6.453		17034	20423
6.494		1340	723
6.583		1478	1023
6.658		72690	94308
6.807	DCB	7364107	9721162
6.984		6442	8355
7.15		10231	16618
7.216		9718	19358
7.301		4440	6358
7.553		1652	724
7.621		1469	935
7.639		1436	727
7.683		13039	24310
7.794		2247	3577
7.883		4646	6006
7.939		12251	22922
8.065		1547	1477
8.406		1193	724
8.477		1718	1756
8.505		1087	464
8.61		1394	1409

ASX67 0595

LANCASTER LABORATORIES

Sample Number: AR4841224A AAAR484AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 12:54:52 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 3p20188B.0007.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		16379	13155
2.545		7605	4938
2.632		50405	194883
2.726		75650	123585
2.764		103248	87517
2.81		12176	6390
2.845	TCX	91648540	63319600
2.888		50126	27013
2.946		12685	11696
2.969		57492	99224
3.019		149647	123623
3.053		8006	4371
3.071		1177651	921392
3.137		1110346	820258
3.193		241065	175297
3.224		14746	9740
3.253		372822	281448
3.296		18116	13684
3.318		11000	8198
3.35		6692650	6860934
3.404		462027	323501
3.425		36657	22585
3.452		94339	53563
3.477		5188957	4237542
3.513		35210	21914
3.546		45387	25439
3.561		1168974	704354
3.577		235303	110431
3.629		5134334	2929276
3.639		5141139	2399340
3.661		605510	266785
3.675		4877890	3351646
3.754		8769408	6882385
3.788		14191390	10430910
3.815		13198790	8955168
3.834		3879605	2268671
3.929		19031030	14820470
3.954		5227908	3294933
3.977		5896920	4134407
4.012		1321435	781225
4.029		13036140	9642903
4.076		4964424	4489332
4.123		1009624	876580
4.147		11098300	7805713
4.171		27747750	20494330
4.199		20221370	14781290
4.221		822606	379347
4.239		968239	577965
4.278		8161459	7208038
4.319		12224160	11037520
4.35		8842131	6813970
4.399		973099	827344
4.437		4810258	4613597
4.5		8531186	7970736

ASX67 9596

RT B	Compound B	Height B	Area B
4.536		4416708	3591304
4.565		12343550	11037450
4.607		216615	242663
4.668		4489728	6030537
4.702		1426768	1197835
4.737		10566100	10560480
4.808		1157010	995165
4.839		852096	783117
4.92		1391069	1459952
4.975		9224965	9113305
5.017		354567	314634
5.059		2184808	2692232
5.111		152791	108264
5.13		33465	23837
5.179		15999	11181
5.206		32452	31619
5.254		124617	142264
5.291		129979	98985
5.317		682118	639272
5.364		82481	77030
5.401		51007	44681
5.463		284959	227909
5.483		267819	193238
5.67		67060	59378
5.7		72896	61695
5.746		461680	2984958
5.905		451855	571442
5.952		15478	15174
5.973		10650	5455
5.985		12197	8627
6.023		44079	70991
6.128		91094	92638
6.23		7630	11025
6.329		428965	473311
6.493	DCB	59103260	66055250
6.839		54993	63488
6.909		76784	129050
6.951		12671	15416
7.278		4902	3590
7.367		64846	99086
7.483		4017	3346
7.529		28064	39857
7.593		45499	69188
7.939		5929	3417
8.071		4789	7158
8.199		6266	3928
8.468		6368	4227
8.672		8954	7970

ASX67 8597

AR4841224A AAAR484AA ICAL 1218999999 SW-846 8082

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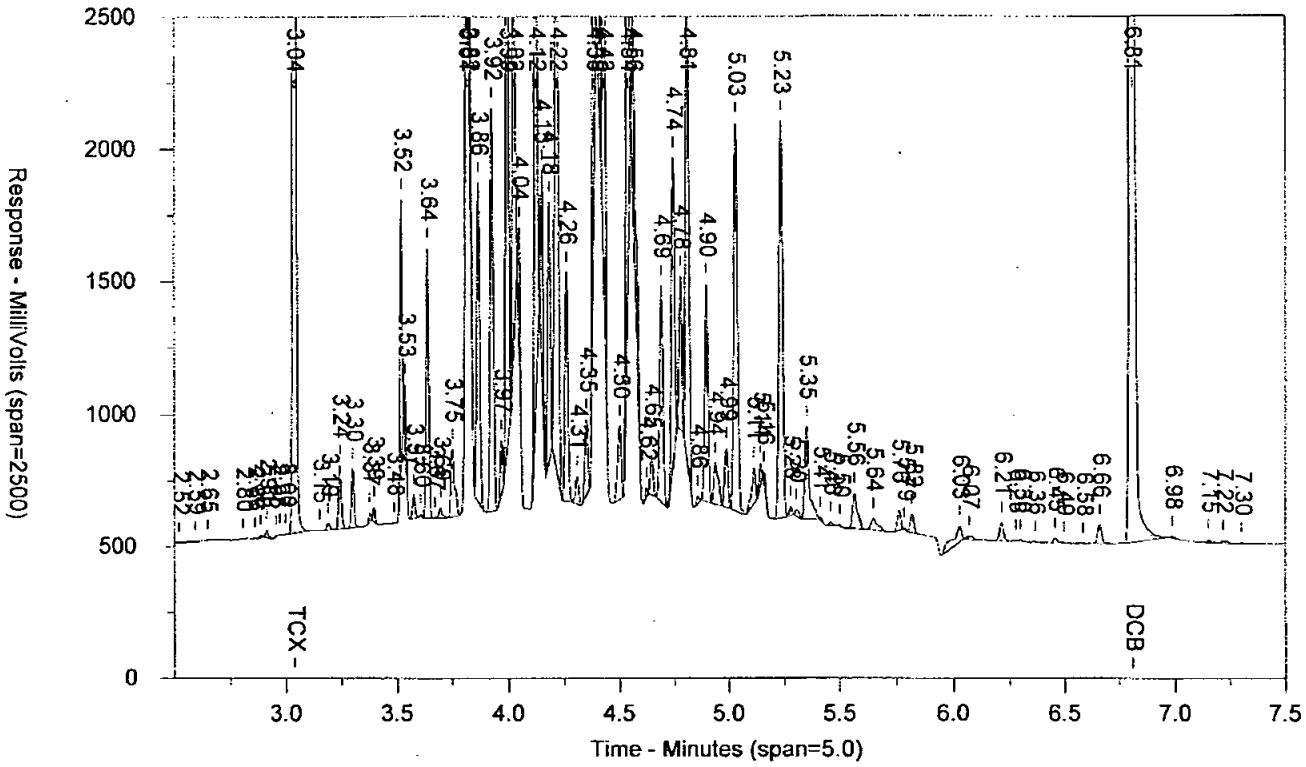

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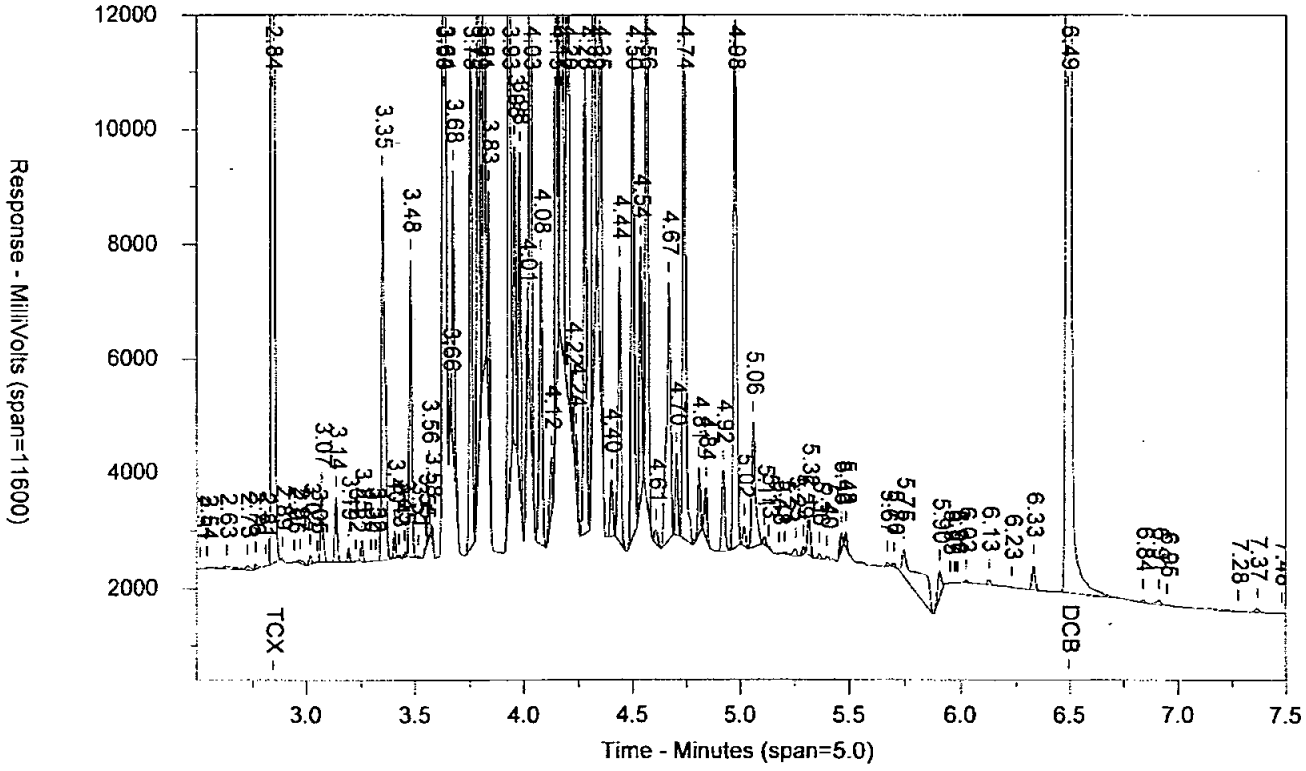

ASX67 558

LANCASTER LABORATORIES

Sample Number: AR4841224A AAAR484AA ICAL 1218999999 Sample Weight:SW-846 8082
Injected On: 7/9/2012 12:54:52 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	14692020	56.901	TCX	2.845	91648540	61.281	TCX
6.807	7364107	51.12	DCB	6.493	59103260	56.471	DCB

Files:
Area File: 3p20188.0007.RAW
Area File: 3p20188B.0007.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/9/2012 1:03:36 AM
File Reported On: 7/9/2012 at 2:07:37 PM

ASX67 0599

AR4841224A AAAR484AA ICAL 1218999999 SW-846 8082

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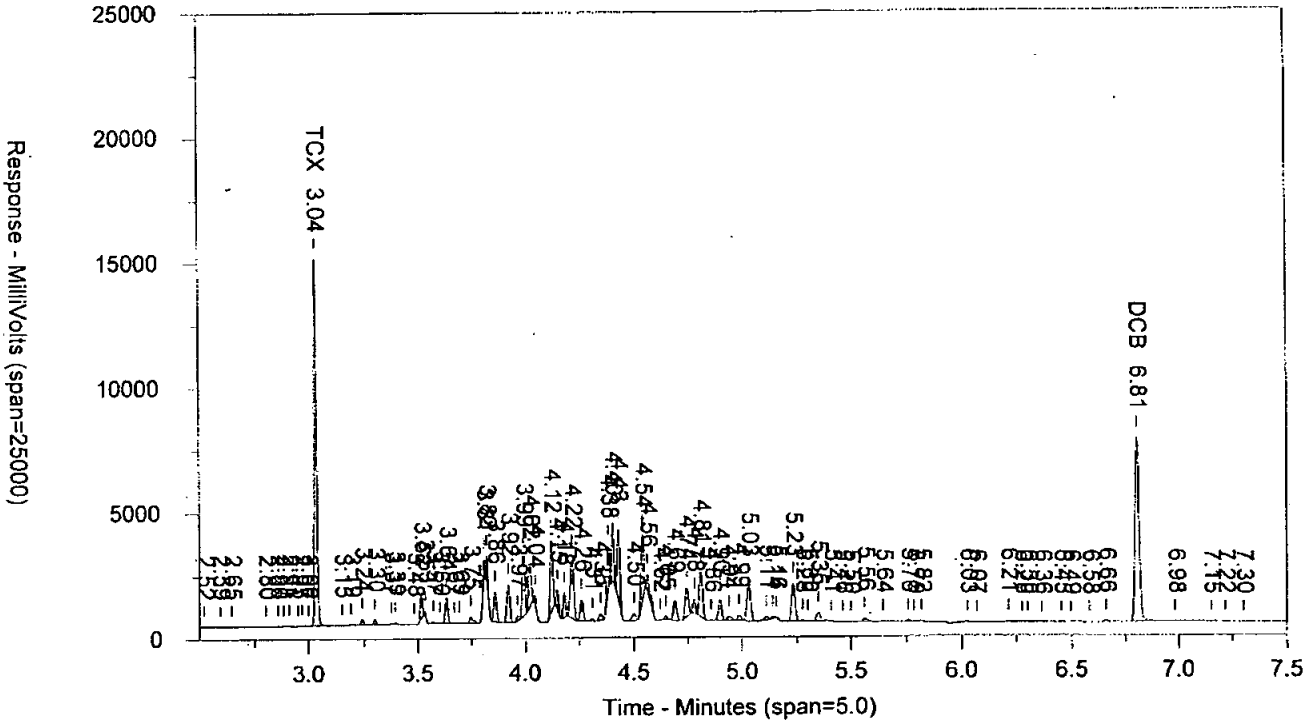

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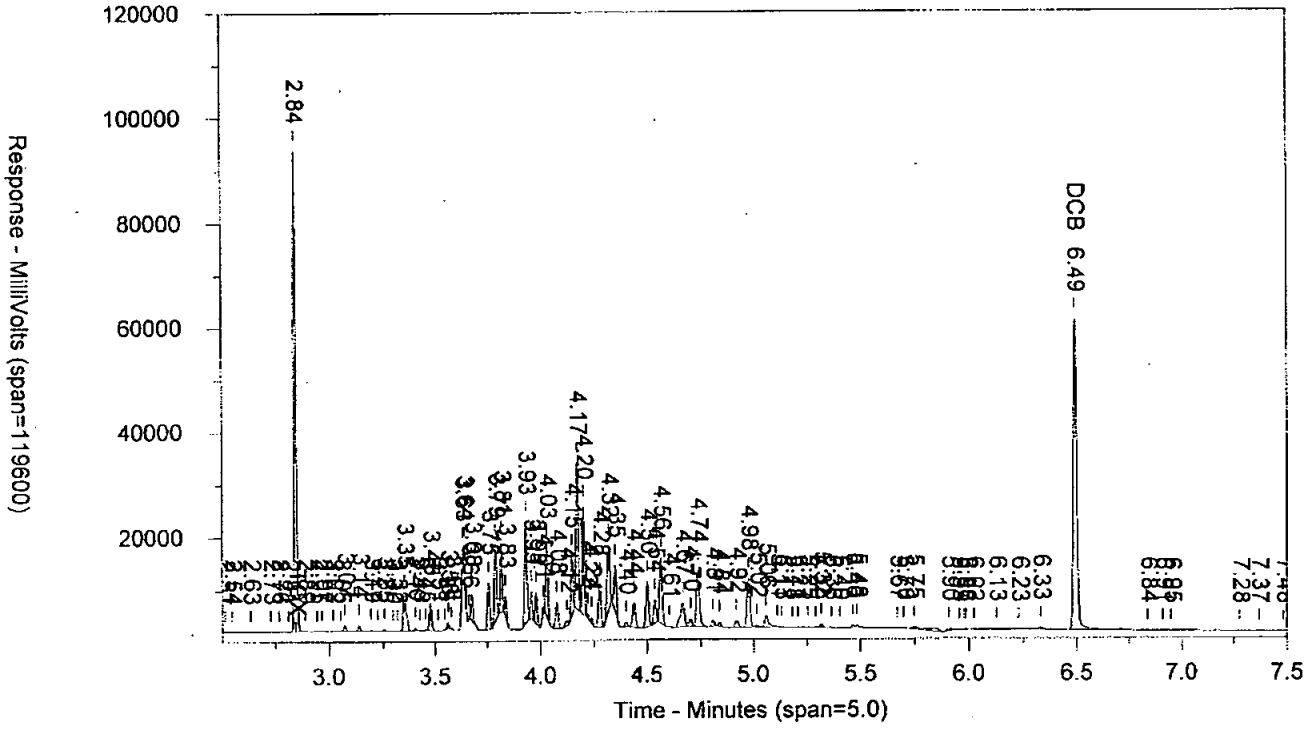

ASX67 0689

LANCASTER LABORATORIES

Sample Number: AR4851224A AAAR485AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 1:06:11 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 3p20188.0008.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.519		4982	3381
2.556		1280	1097
2.582		3776	5103
2.647		7484	6601
2.696		3582	1919
2.789		3886	7436
2.821		8047	7327
2.861		4693	3338
2.881		7778	5388
2.909		28922	28381
2.953		5733	5559
2.969		2396	1385
2.994		5621	5004
3.037	TCX	19595040	14889700
3.152		4596	4629
3.191		45325	42315
3.241		319932	281778
3.298		417747	333670
3.375		41411	24121
3.393		121520	83624
3.44		2772	2566
3.477		1987	1257
3.517		1819755	1288257
3.534		473789	237509
3.572		169867	137522
3.604		26812	16348
3.635		1890276	1603022
3.671		8383	4850
3.692		55425	56231
3.747		491116	562408
3.811		1549572	1045049
3.822		1648275	950081
3.862		2282323	2072556
3.923		2814898	2640061
3.965		382987	280585
3.992		4455362	3778233
4.021		3000989	2593874
4.044		776005	517866
4.123		5288618	4541672
4.148		1396916	994459
4.18		1812176	1509735
4.216		4872875	5090512
4.259		1545719	1516870
4.306		193819	189699
4.348		500170	484080
4.383		3344544	2669395
4.404		4206375	2862508
4.429		5365058	4347085
4.499		527688	584497
4.54		4525936	4459850
4.562		1397965	1388336
4.622		67380	51526
4.646		287077	242764
4.689		1441954	1623986

ASX67 0681

RT A	Compound A	Height A	Area A
4.744		2133980	2193079
4.776		1049869	877898
4.807		3532325	3537261
4.854		55830	50856
4.894		1455011	1600170
4.936		287413	427479
4.986		416397	433159
5.029		2797636	3199689
5.112		229464	307213
5.141		270128	500558
5.192		10694	7283
5.232		3041777	3250429
5.276		67293	58338
5.301		52163	67752
5.35		655931	930040
5.412		20433	15045
5.457		23914	25439
5.494		12649	11538
5.56		250737	390178
5.644		87491	173263
5.759		151639	154685
5.784		13871	8569
5.816		137911	146438
5.856		8133	140500
5.977		39994	69473
6.023		96405	106716
6.062		7650	7328
6.211		93183	112462
6.27		4079	3165
6.298		12923	25484
6.38		21850	61979
6.453		44703	67854
6.498		3654	5788
6.588		2139	1153
6.656		101546	114525
6.693		11619	11505
6.753		1637	1145
6.803	DCB	9929036	12567600
6.913		4245	4837
6.947		2202	1209
6.981		18135	28674
7.146		13873	22348
7.216		11865	21907
7.296		5380	7126
7.341		1166	627
7.371		1315	698
7.481		1132	1045
7.52		1985	1233
7.631		1300	1691
7.682		16950	28913
7.844		1157	784
7.879		6211	9616
7.934		15800	29948
8.111		1666	1523
8.183		1825	2033
8.263		1057	658
8.303		1249	1085
8.326		1358	3767
8.525		1157	1396
8.647		1209	842

LANCASTER LABORATORIES

Sample Number: AR4851224A AAAR485AA ICAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/9/2012 1:06:11 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 3p20188B.0008.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.517		29924	23530
2.574		3483	14028
2.631		121395	380044
2.725		73371	128782
2.764		63864	41765
2.81		39702	27976
2.845	TCX	124774000	84757620
2.887		91004	60450
2.924		6799	1945
2.949		14878	10119
2.971		91263	149517
3.019		274091	217517
3.071		1560233	1306335
3.137		2165607	1563428
3.193		322654	215099
3.227		20138	15758
3.253		705289	531361
3.298		28656	46350
3.35		12610260	12924630
3.403		876021	614375
3.426		84740	44877
3.452		154294	93141
3.477		10084830	8080708
3.513		57105	36594
3.56		2201488	1345219
3.576		427243	204037
3.63		8296675	5071189
3.638		10311970	5058141
3.661		1215912	533350
3.675		10081020	6443759
3.753		17102690	13336840
3.788		28678490	20114220
3.814		25744870	17218700
3.833		7071592	4078921
3.885		11551	9017
3.928		37443210	28426860
3.954		10195410	6418149
3.977		11274650	8001414
4.012		1933789	1297981
4.027		26006850	18653680
4.075		9737089	8507205
4.122		1977776	1664342
4.146		21846490	15593810
4.171		54591510	40150870
4.198		40024020	29112440
4.22		1417655	638619
4.237		1845109	1084870
4.276		15612690	13927810
4.318		24024610	22098590
4.35		17857090	13549710
4.398		1912948	1612336
4.436		9166433	8753377
4.498		16646010	15498030
4.535		8703816	6892367

ASX67 0603

RT B	Compound B	Height B	Area B
4.563		24168240	21638220
4.604		428401	453613
4.667		8666161	11497930
4.701		2595353	2266136
4.736		21563290	20523730
4.807		2036458	1845016
4.838		1697242	1553701
4.919		2576620	2721284
4.975		18557260	18079150
5.016		735669	658122
5.058		4172852	5181117
5.11		302173	222262
5.131		96431	64801
5.178		50775	113580
5.25		266037	313431
5.289		241457	190632
5.315		1343257	1262369
5.364		193106	189490
5.4		98544	89519
5.425		40712	30804
5.461		644418	493568
5.481		535884	359151
5.503		98924	69736
5.557		42989	54033
5.671		307242	689698
5.745		861079	1277350
5.792		52902	82696
5.902		628427	724474
5.939		141560	171250
6.002		49654	224980
6.019		34146	25304
6.053		11562	9030
6.064		12668	16928
6.124		189707	237647
6.197		18096	105526
6.299		10337	9451
6.327		597901	664297
6.421		7395	2385
6.491	DCB	79151360	85783920
6.834		77137	89707
6.907		136953	236267
6.959		19960	56731
7.143		10876	18865
7.365		89030	140573
7.479		5970	2402
7.528		36358	56111
7.594		58832	80771
7.742		10154	19687
7.841		6199	10175
7.92		4517	5125
8.045		6734	10489
8.083		5862	4020
8.205		5162	3418
8.317		7357	14353
8.424		4605	6450
8.587		6415	4682
8.669		8376	10177

AR4851224A AAAR485AA ICAL 1218999999 SW-846 8082

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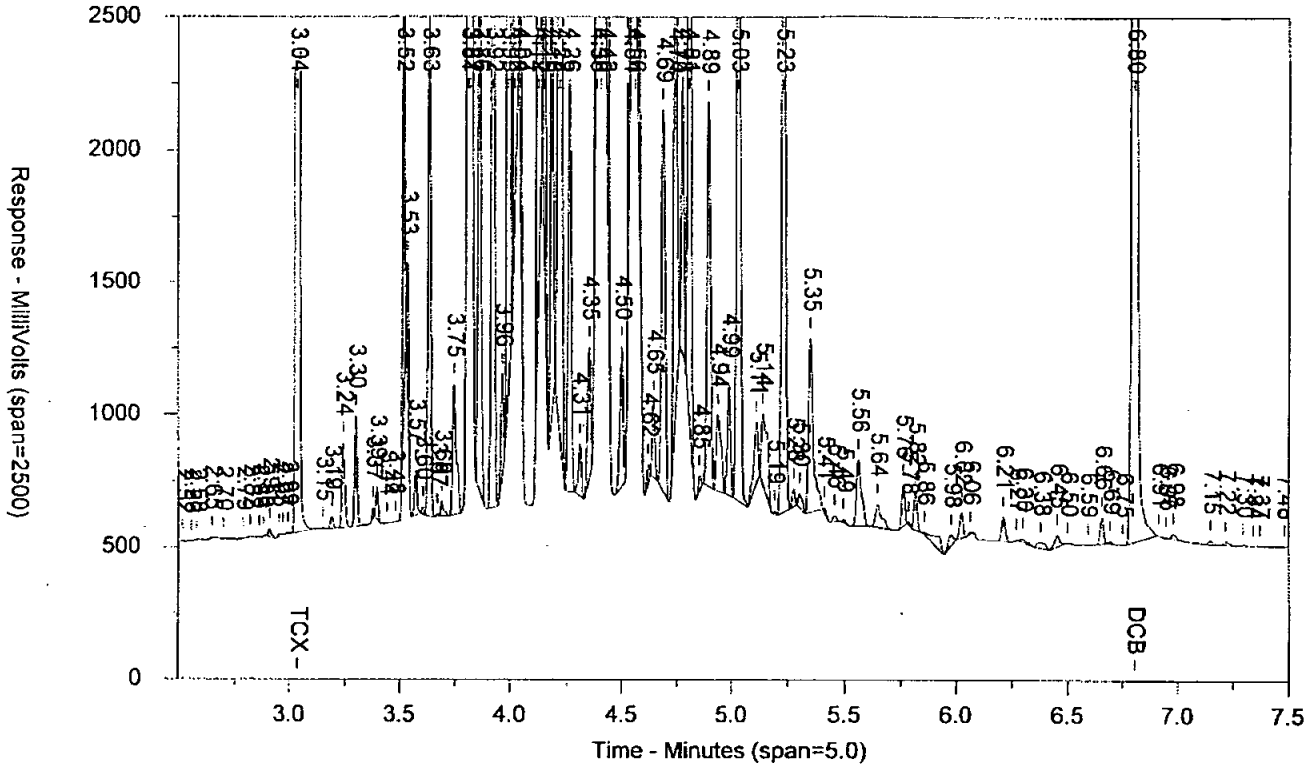

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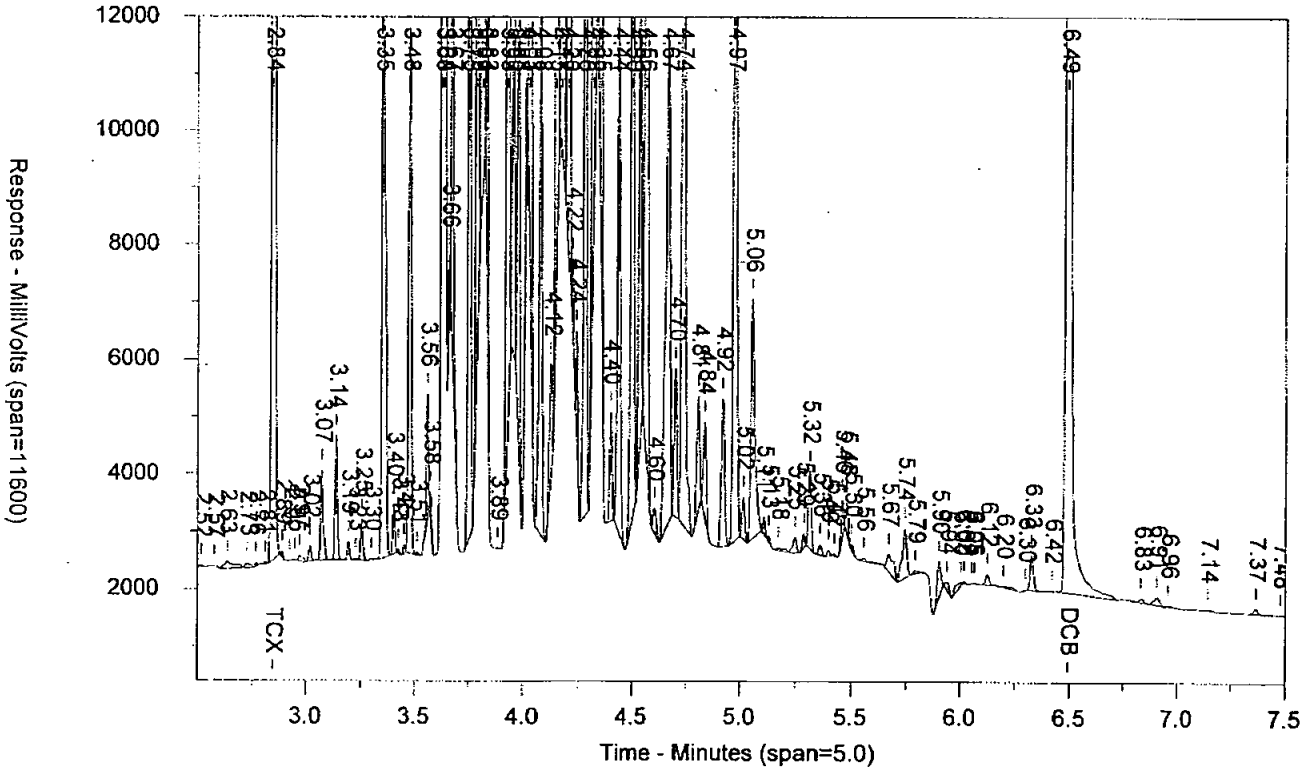

ASX67 0685

LANCASTER LABORATORIES

Sample Number: AR4851224A AAAR485AA ICAL 1218999999 Sample Weight:SW-846 8082
Injected On: 7/9/2012 1:06:11 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	19595040	75.891	TCX	2.845	124774000	83.43	TCX
6.803	9929036	68.925	DCB	6.491	79151360	75.626	DCB

Files:
Area File: 3p20188.0008.RAW
Area File: 3p20188B.0008.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/9/2012 1:14:55 AM
File Reported On: 7/9/2012 at 2:07:43 PM

ASX67 0686

AR4851224A AAAR485AA ICAL 1218999999 SW-846 8082

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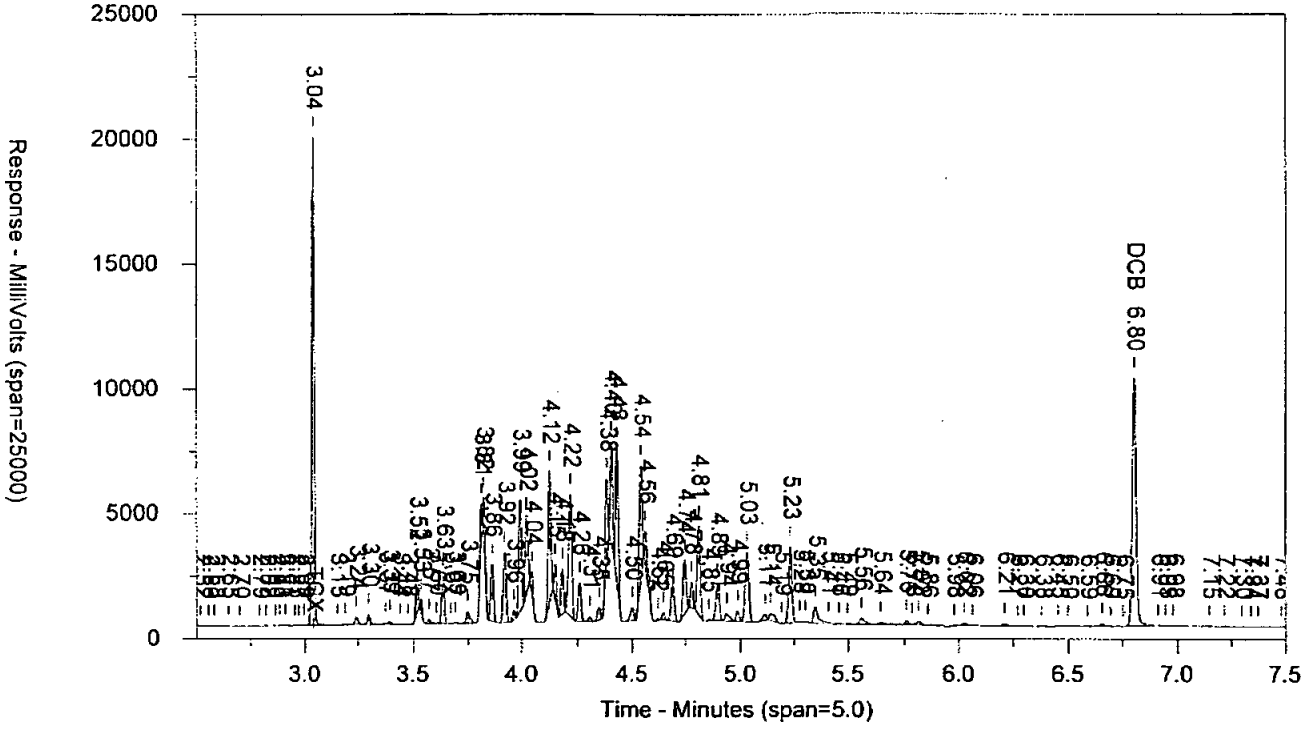

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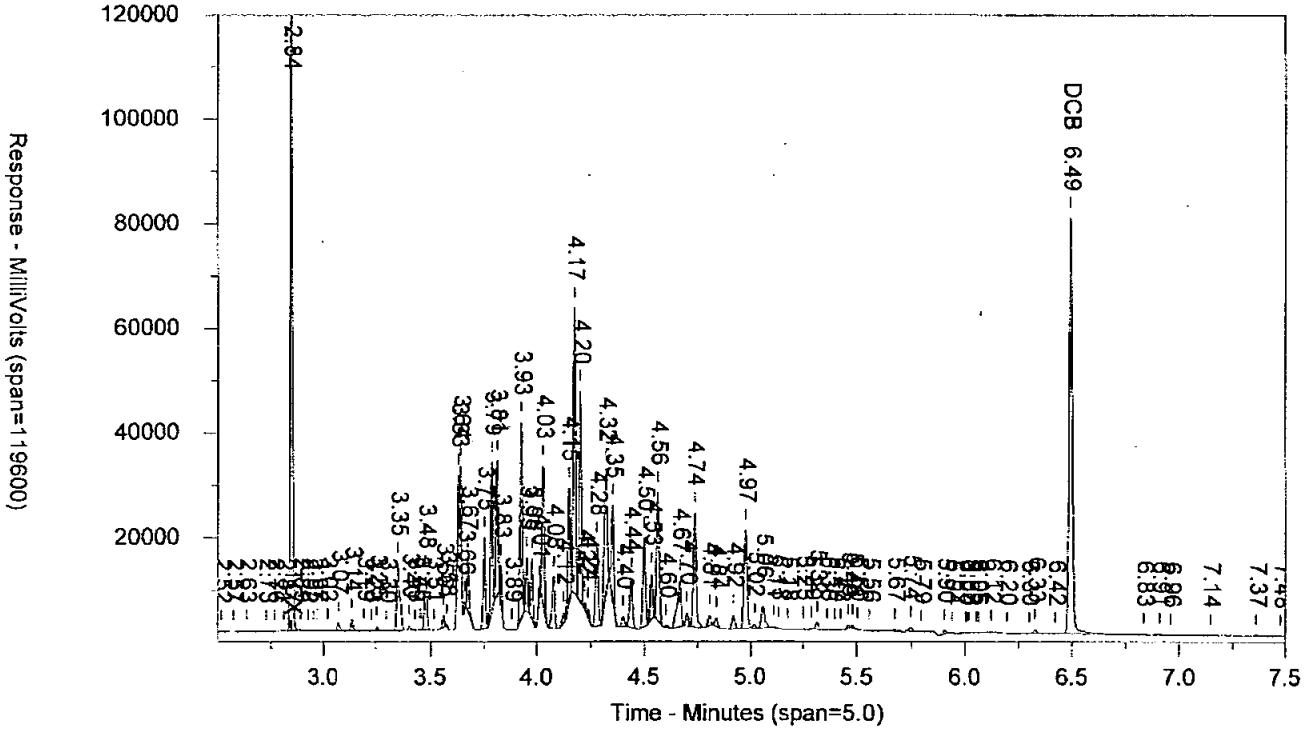

ASX67 0687

LANCASTER LABORATORIES

Sample Number: IC48X1224A CDIC48XCD CCAL 1218999999 Injection Volume: 1 8W-846 8082
Injected On: 7/9/2012 1:17:34 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 3p20188.0009.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.504		8074	12722
2.568		53684	146414
2.611		33084	42709
2.628		30499	30477
2.646		36573	42807
2.681		20812	47835
2.749		4818	3064
2.803		1811	925
2.822		5988	5778
2.854		2339	2411
2.883		6455	5794
2.909		29495	43422
2.965		29543	36609
2.994		5524	3343
3.037	TCX	9973966	7495241
3.113		4094	4609
3.148		5246	4667
3.191		13037	13119
3.241		164523	132903
3.296		88780	66519
3.335		21324	28823
3.375		26492	16611
3.395		28653	20793
3.464		22414	50047
3.517		451806	311166
3.534		93607	55632
3.572		34265	27318
3.634		429021	370723
3.693		36980	54000
3.747		117385	117502
3.811		330045	232048
3.822		310338	211930
3.862		545697	497237
3.894		4195	1694
3.923		678289	611828
3.963		102485	78519
3.994		695863	601718
4.022		691429	620592
4.044		186956	125364
4.124		1157534	1011040
4.148		335611	240295
4.181		418430	359836
4.217		1087590	1176225
4.259		365300	357573
4.298		15990	14741
4.349		123242	113234
4.383		788826	628714
4.405		973508	669383
4.429		1244609	1003072
4.499		128792	133962
4.54		1063619	1036366
4.562		262786	294198
4.622		15636	11285
4.645		80629	67732

ASX67 8688

RT A	Compound A	Height A	Area A
4.691		266214	316630
4.744		509006	534984
4.776		264406	220286
4.808		880790	857318
4.857		9179	7213
4.896		362343	394154
4.936		66795	101999
4.987		105224	105566
5.029		473944	552085
5.067		5643	3677
5.113		55924	84965
5.141		67857	123737
5.232		688409	780123
5.278		13815	11762
5.302		13482	16586
5.35		184063	216734
5.392		10113	6571
5.425		9826	11877
5.56		66727	92258
5.615		1829	1246
5.646		98622	201198
5.729		2125	1971
5.76		44682	50176
5.814		25074	256165
5.994		19319	74102
6.027		10988	10582
6.061		13379	51805
6.212		48624	56479
6.271		7274	8821
6.342		3023	4760
6.36		2422	2073
6.452		5005	7464
6.614		5614	12302
6.656		52952	62721
6:803	DCB	5077167	6534342
6.981		23667	41231
7.116		1290	989
7.146		5927	6482
7.215		6286	9846
7.302		3370	4667
7.341		1683	2342
7.417		1697	2068
7.529		1663	2221
7.685		9723	17699
7.878		3587	5503
7.937		7226	14275
8.057		10908	29234
8.134		1187	604
8.226		1288	524
8.31		1663	2274
8.403		1458	700
8.454		1365	1543
8.551		1411	498
8.63		1535	737
8.676		3531	4209

ASX67 0609

LANCASTER LABORATORIES

Sample Number: IC48X1224A CDIC48XCD CCAL 1218999999 Injection Volume: 1 8W-846 8082
Injected On: 7/9/2012 1:17:34 AM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 3p20188B.0009.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.521		39009	24931
2.544		13926	8749
2.564		24045	38121
2.604		41270	50870
2.631		304219	712182
2.672		201146	116225
2.698		298822	287611
2.724		282251	563309
2.768		70420	73457
2.81		47635	36067
2.845	TCX	57977230	40167700
2.948		16564	15767
2.964		168420	122670
2.986		263515	160796
3.019		164218	242243
3.045		83911	80729
3.073		608790	498898
3.137		589393	499832
3.172		14705	16359
3.193		158447	99464
3.236		6618	7478
3.25		282660	167800
3.269		222228	128269
3.323		103330	491792
3.35		2481234	2441061
3.405		190358	162468
3.452		39732	23323
3.478		2382256	2567464
3.532		299251	192022
3.562		845430	1001992
3.608		23519	17847
3.629		2015888	1239694
3.639		1652446	807497
3.66		295419	117824
3.675		2094393	1428827
3.726		17374	10320
3.754		3763527	3151855
3.788		2768298	2086687
3.815		4887061	3348807
3.835		1478168	887058
3.929		7479247	5554598
3.954		2105211	1365249
3.977		2313220	1669456
4.012		481955	288336
4.028		5534785	3651079
4.054		307826	212225
4.077		1502387	1104296
4.123		385395	321226
4.147		4507589	3100148
4.171		10963680	8064356
4.199		7026845	5322859
4.22		309890	148094
4.238		390712	226278
4.278		3354125	2974950

RT B	Compound B	Height B	Area B
4.318		2031853	2282005
4.351		2571779	1898888
4.399		373500	316838
4.436		2017360	2051195
4.499		3243691	3150716
4.535		1854900	1485052
4.564		5104379	4974550
4.613		452282	450855
4.668		1850917	2617302
4.701		544739	460122
4.737		4442283	4371404
4.808		423550	394608
4.838		409013	815396
4.913		326394	495555
4.975		3669955	3832013
5.016		145712	135281
5.059		954312	1170087
5.11		128520	827349
5.206		294317	317646
5.253		109603	179521
5.291		39361	32158
5.316		321524	312974
5.363		26010	27922
5.402		26731	44115
5.46		333642	321488
5.492		182389	205532
5.597		110492	836358
5.671		228183	352592
5.73		144318	222625
5.768		87654	77461
5.832		445522	1672368
5.904		406921	581444
5.948		26902	29254
5.977		87766	211721
6.026		50458	44278
6.078		51724	140949
6.123		19089	16793
6.209		19651	152517
6.27		10974	7496
6.328		338367	475685
6.399		9514	16495
6.49	DCB	30822490	36251500
6.763		10034	20439
6.838		39867	40213
6.907		145143	221529
6.991		23489	65922
7.134		14725	37074
7.229		11464	20326
7.365		48131	77975
7.489		7207	11674
7.524		21137	31245
7.59		20402	28425
7.843		14661	45732
7.933		42171	136128
8.247		4717	3195
8.332		5996	1750
8.402		5665	3919
8.661		3544	1742

ASX67 8611

IC48X1224A CDIC48XCD CCAL 1218999999 SW-846 8082

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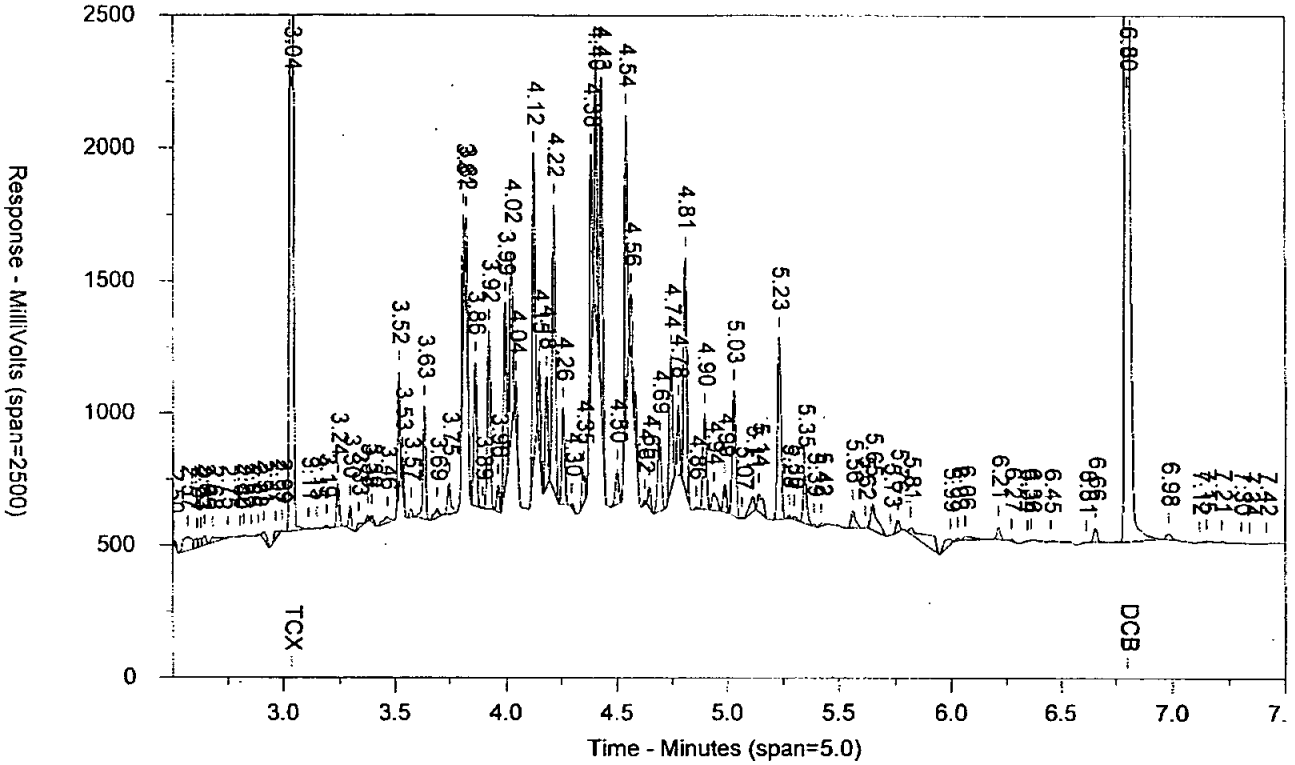

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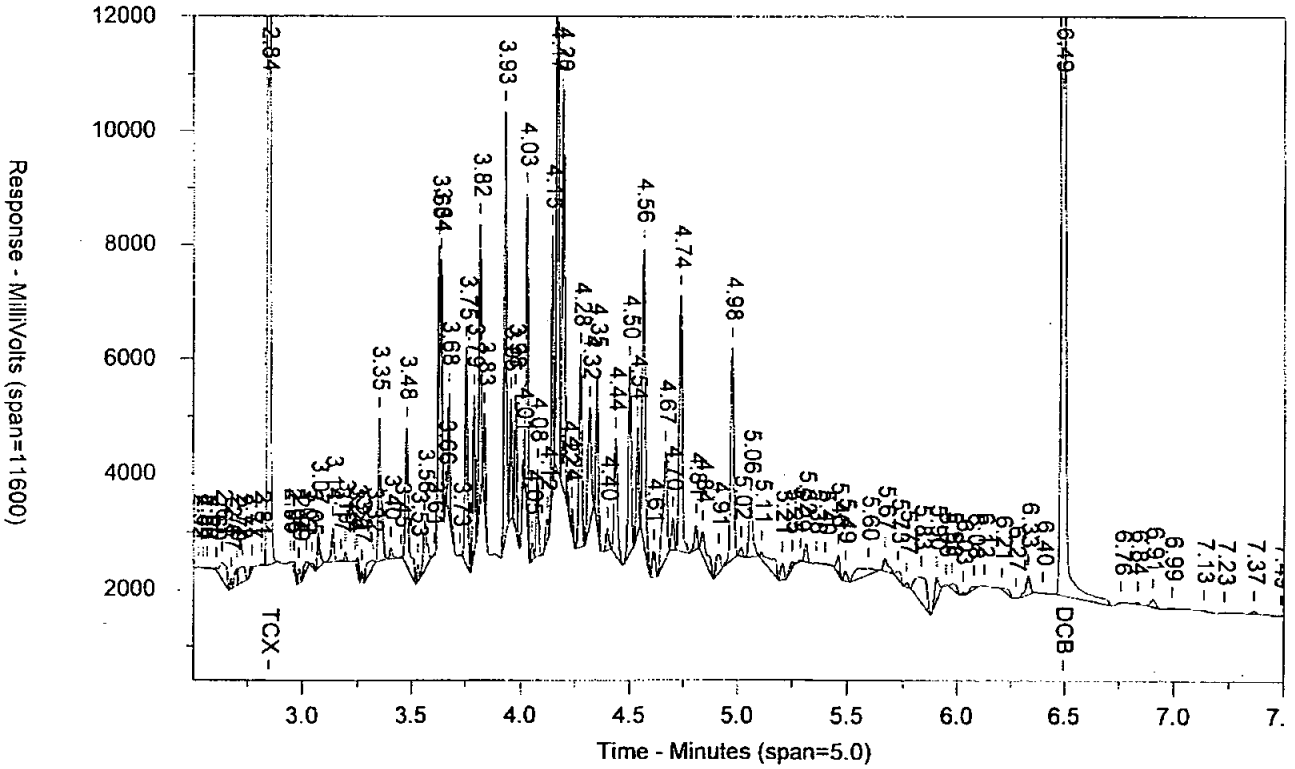

ASX67 0612

LANCASTER LABORATORIES

Sample Number: IC48X1224A CDIC48XCD CCAL 1218999999 Sample Weight:SW-846 8082
Injected On: 7/9/2012 1:17:34 AM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.037	9973966	38.629	TCX	2.845	57977230	38.766	TCX
6.803	5077167	35.244	DCB	6.49	30822490	29.45	DCB

Files:
Area File: 3p20188.0009.RAW
Area File: 3p20188B.0009.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/9/2012 3:47:52 PM
File Reported On: 7/9/2012 at 3:49:02 PM

ASX67 0613

IC48X1224A CDIC48XCD CCAL 1218999999 SW-846 8082

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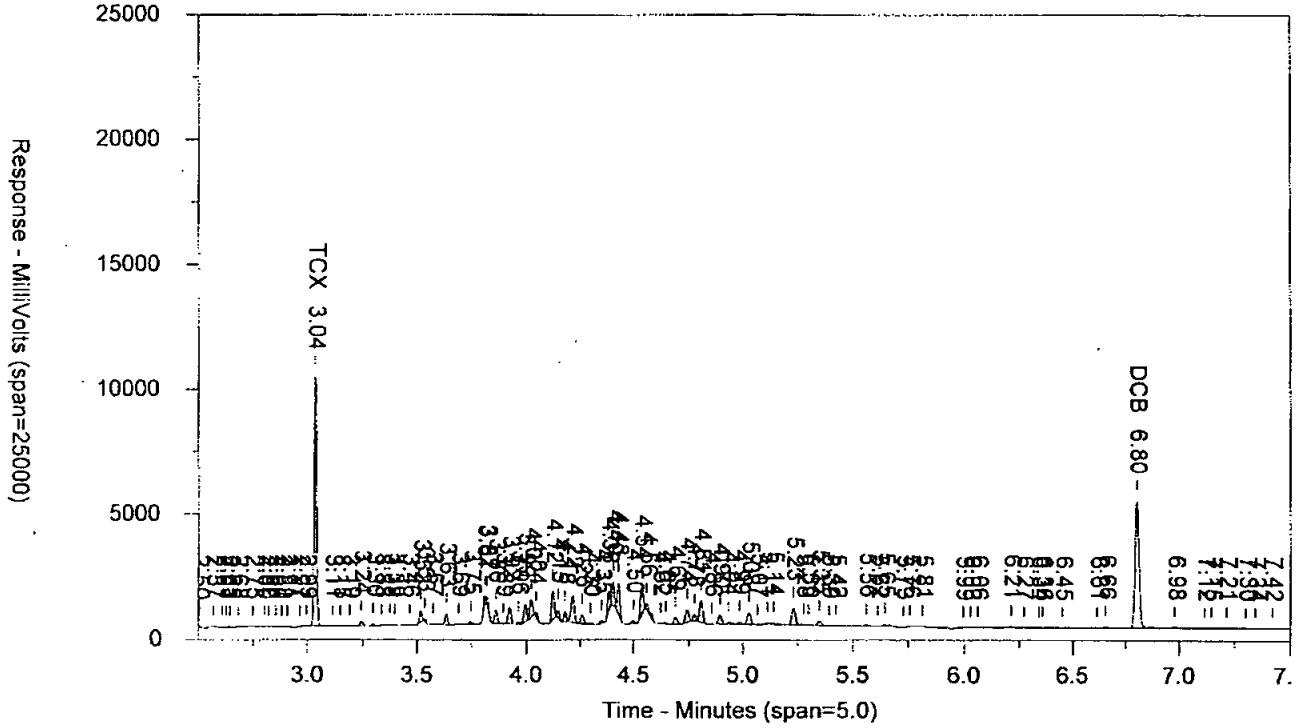

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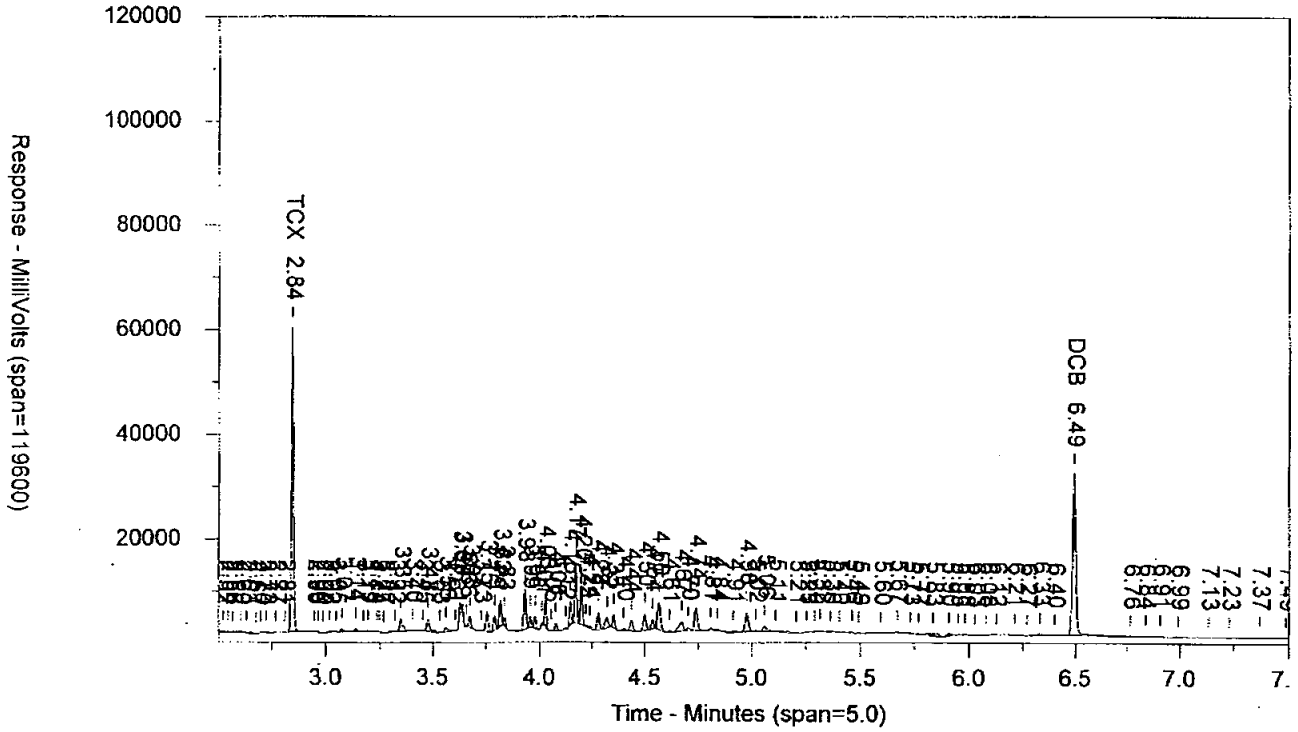

ASX67 8614

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR1631224B RZAR163RZ CCAL 1219199999 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 6:37:05 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0005.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.522		1588	921
2.586		4952	8035
2.65		9368	7503
2.665		15465	16807
2.758		1305	432
2.777		3152	3650
2.822		12156	12288
2.856		8155	7301
2.885		3605	2301
2.914		2442	2775
2.952		7165	5508
2.969		2842	1895
2.998		4400	3725
3.038	TCX	10789960	8084028
3.128		3272	3619
3.161		2837	2043
3.192		161580	149342
3.248		262497	284228
3.299		941992	763163
3.375		25654	14879
3.395		99807	72320
3.44		3798	3116
3.462		3728	2800
3.518		869571	612191
3.535		376224	217363
3.573		119991	77873
3.59		15325	5230
3.604		80423	50817
3.636		1189995	1018534
3.673		7144	4489
3.695		19849	12168
3.712		30179	19446
3.749		246784	170829
3.765		115185	60858
3.824		2358012	3423738
3.863		1415702	1257217
3.925		1238650	1141463
3.967		89973	66865
3.994		791807	651343
4.023		576300	523130
4.045		138653	93774
4.125		859991	740411
4.15		282857	210730
4.182		344878	276534
4.219		934346	1094506
4.261		307324	290183
4.309		51419	49059
4.349		59671	55100
4.385		809586	731954
4.406		165878	89562
4.43		236711	188294
4.461		3914	3285
4.501		133120	135124
4.546		900846	1086803

ASX67 0615

RT A	Compound A	Height A	Area A
4.643		8036	10606
4.692		41607	44444
4.761		373092	604863
4.808		511978	565162
4.857		961545	1213938
4.895		167823	137079
4.937		1882343	2153749
4.984		4155	2643
5.028		295655	342546
5.063		66873	51322
5.089		365890	370251
5.142		2480627	3525339
5.193		456009	448194
5.235		1171086	1523616
5.314		193570	234731
5.35		2691938	3284603
5.415		1607166	1706792
5.457		885173	1018078
5.559		51619	110975
5.579		1324103	1374570
5.638		733197	805639
5.677		400116	419183
5.719		81974	84331
5.762		570298	663640
5.818		3983685	5011286
5.974		19653	34328
6.025		2082263	2391071
6.077		632560	1197535
6.213		124563	168661
6.277		17087	25028
6.299		361330	382229
6.454		888774	1055538
6.501		49428	53155
6.657		330819	403514
6.805	DCB	5292331	6723951
6.984		12077	16135
7.084		1486	1398
7.145		6582	10722
7.223		7458	14093
7.294		1186	503
7.386		1320	683
7.524		1300	751
7.552		1617	908
7.687		7825	13601
7.876		2746	4161
7.931		5548	10251
8.055		1318	788
8.149		1155	804
8.177		1417	809
8.307		1438	1762
8.367		1562	2420
8.451		1571	1717
8.573		1682	3097

ASX67 8616

LANCASTER LABORATORIES

Sample Number: AR1631224B RZAR163RZ CCAL 1219199999 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 6:37:05 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0005.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.514		47564	44308
2.548		7270	2774
2.584		17287	19939
2.63		92835	245634
2.695		47450	49964
2.726		78156	121699
2.766		32914	23327
2.782		11657	7589
2.811		49066	33786
2.844	TCX	63675590	43567280
2.887		350719	277870
2.983		149259	264113
3.018		923784	736989
3.051		11861	5212
3.072		229016	128147
3.082		546156	278025
3.136		4802207	3572587
3.193		171462	127127
3.226		25110	20155
3.253		593800	465323
3.327		11976	46853
3.35		6311658	7256544
3.403		729294	511583
3.426		284857	176004
3.452		462131	289001
3.478		6062960	4895200
3.514		178489	117679
3.561		1580526	970747
3.577		758280	406506
3.639		13883930	16021640
3.675		6661483	5894485
3.754		7172596	5483457
3.788		4239441	3043652
3.815		4419291	3068589
3.834		1328369	768676
3.929		5701499	4494569
3.954		1920717	1272648
3.977		1872812	1323538
4.012		635159	398791
4.029		4626757	3308953
4.076		1726507	1553977
4.122		204649	169234
4.147		1202358	837510
4.171		6492291	5036493
4.199		1380286	983084
4.22		75522	33222
4.238		635710	460065
4.277		5380020	4734103
4.319		119945	94756
4.336		275788	265858
4.379		12806	10062
4.403		11001	5200
4.436		290450	441054
4.499		1261151	1264502

ASX67 0617

RT B	Compound B	Height B	Area B
4.547		1140133	803335
4.577		5906274	5912344
4.606		2261893	2533832
4.662		12682540	12377880
4.711		163388	134099
4.736		931602	679686
4.762		3248452	2873168
4.807		20494380	19688720
4.876		80357	138216
4.921		14789810	15301430
4.98		1128292	1102478
5.017		4055415	3976609
5.057		15129590	14518850
5.089		10183430	9138415
5.131		6292878	6080453
5.237		2344358	2782458
5.289		10528830	10231270
5.315		719664	467404
5.363		5048620	5513008
5.401		2451894	2106543
5.423		822624	553797
5.482		30245070	31319730
5.523		454060	376909
5.559		892010	832737
5.598		63640	145575
5.698		5751577	6602667
5.746		15179250	18779430
5.902		779120	880681
5.944		375103	325807
5.971		152929	118727
6.021		2559628	2613637
6.125		5702480	5776442
6.157		167521	123839
6.328		1843379	2063231
6.49	DCB	36937280	39931130
6.676		15188	13717
6.834		35899	45029
6.906		66245	97933
7.039		4874	3380
7.362		45453	62717
7.517		11552	19569
7.594		20238	26772
7.677		9539	17019
7.789		6122	6443
8.008		5296	3388
8.094		7756	5251
8.388		5129	5914
8.514		5114	4946

ASX67 B6 B

AR1631224B RZAR163RZ CCAL 1219199999 SW-846 8082

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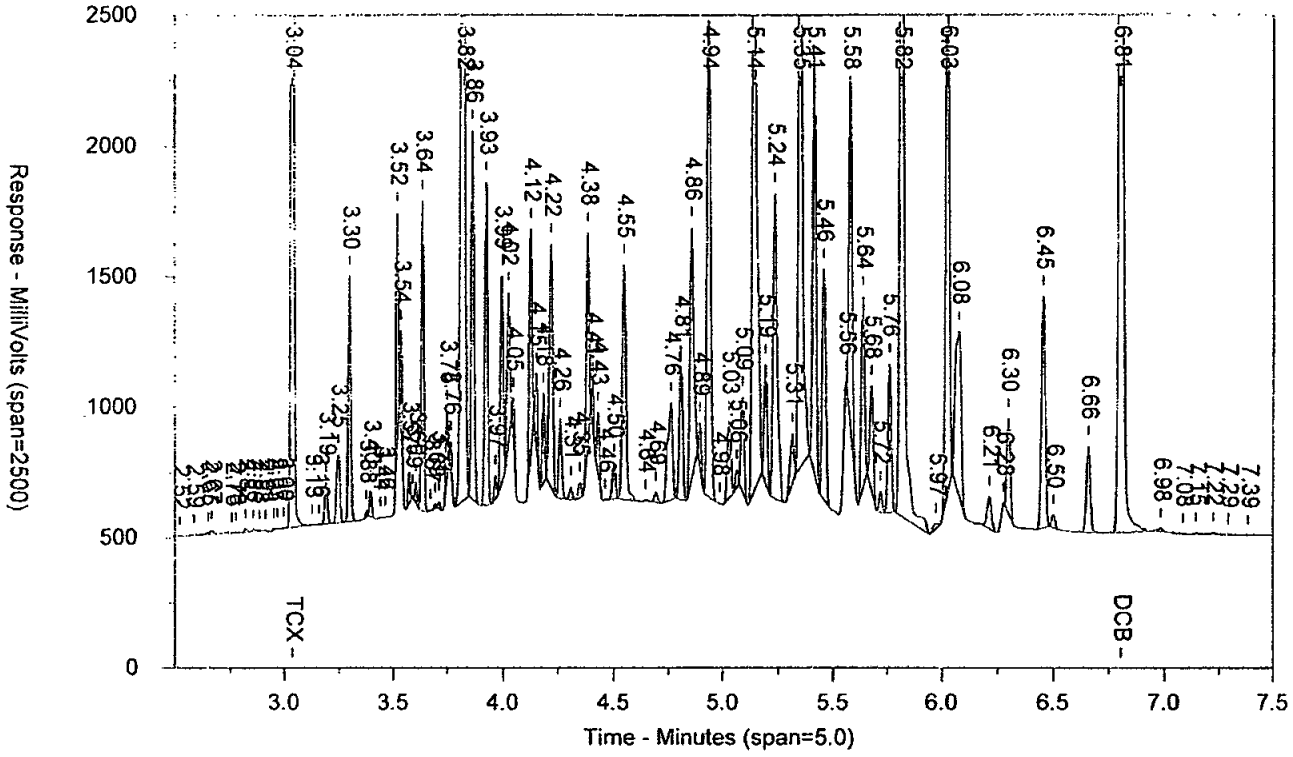

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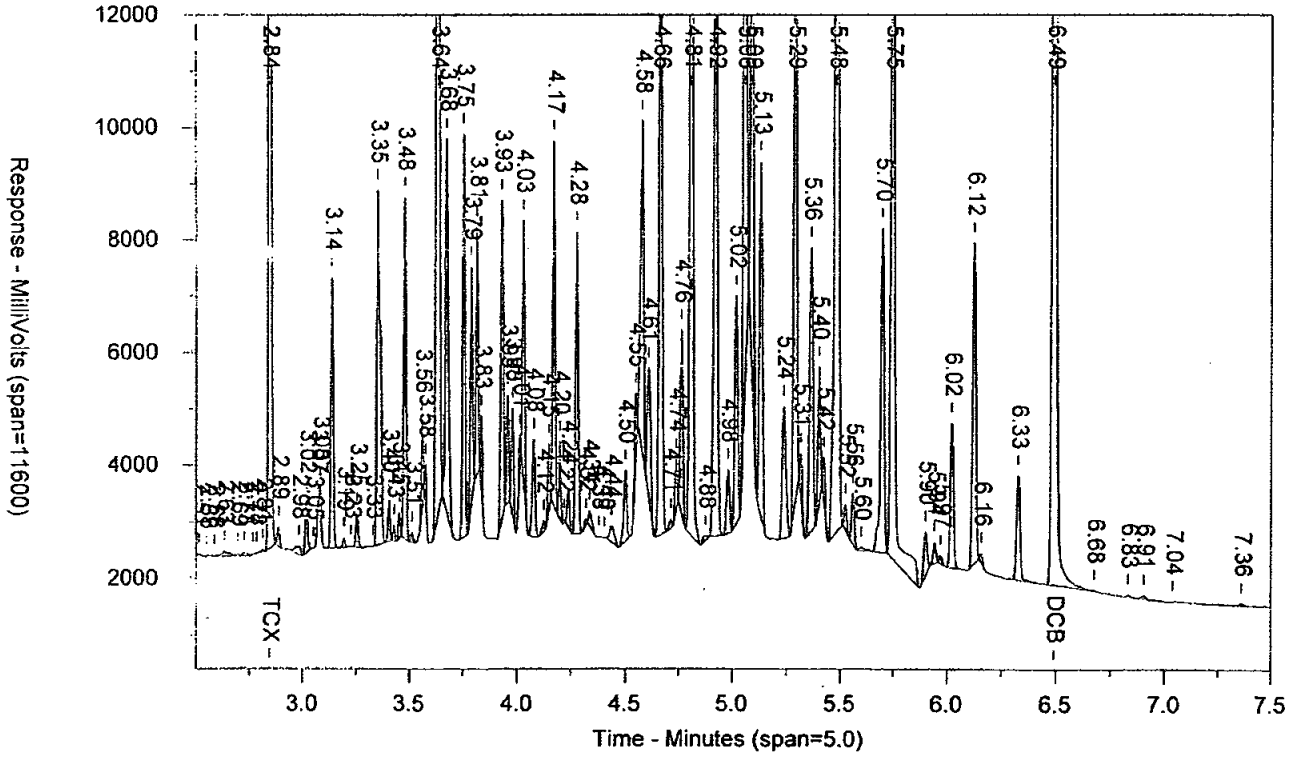

ASX67 0619

LANCASTER LABORATORIES

Sample Number: AR1631224B RZAR163RZ CCAL 1219199999 Sample Weight: SW-846 8082
Injected On: 7/10/2012 6:37:05 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	10789960	41.789	TCX	2.844	63675590	42.577	TCX
6.805	5292331	36.738	DCB	6.49	36937280	35.292	DCB

Files:
Area File: 5p20188.0005.RAW
Area File: 5p20188B.0005.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 6:45:48 PM
File Reported On: 7/10/2012 at 6:45:52 PM

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JOPIBLKJO PIBLK1219199999 Injection Volume: 1SW-846 8082
Injected On: 7/10/2012 6:48:34 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0006.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.516		4326	3206
2.56		10020	17226
2.591		11630	25988
2.649		14898	34006
2.699		6042	6980
2.725		4859	7351
2.764		2104	1416
2.821		9736	9367
2.858		7028	6145
2.882		16764	42780
2.97		11768	23043
3.038	TCX	5457279	4172141
3.128		5385	3790
3.163		1990	1490
3.186		1742	790
3.204		2516	1303
3.242		83367	62717
3.295		5102	5058
3.348		2070	5375
3.376		19900	17064
3.405		2181	1378
3.442		3023	2902
3.464		1792	1129
3.481		1702	953
3.499		2148	1201
3.53		1460	1701
3.568		3015	4889
3.629		12691	28874
3.675		2471	3039
3.695		13685	9788
3.731		2981	4744
3.771		2533	1401
3.795		38413	36987
3.832		2023	1577
3.848		1713	677
3.886		3779	3210
3.911		1747	863
3.966		6156	7993
3.997		2553	993
4.033		3030	3957
4.049		7007	6152
4.101		1842	1419
4.142		1770	1278
4.198		1517	1035
4.28		2957	3771
4.351		10255	18178
4.407		30385	73928
4.475		14993	39690
4.528		2598	4233
4.573		8869	13289
4.65		3332	2324
4.683		4924	6645
4.793		5833	8449
4.95		3975	8650

ASX67 8621

RT A	Compound A	Height A	Area A
5.058		30030	28799
5.108		19157	39298
5.194		2555	3001
5.219		4139	5173
5.291		2575	2786
5.349		3152	5113
5.414		4239	11450
5.62		3877	19728
5.736		1668	956
5.747		1676	1059
5.876		1679	989
5.976		61467	105044
6.213		22704	27129
6.334		1203	909
6.56		1496	494
6.658		22890	28653
6.805	DCB	2562751	3523898
7.149		2034	2054
7.218		4302	8877
7.512		872	1786
7.676		1281	508
7.878		1689	2344
7.943		3908	6748
8.153		1660	2359
8.224		1800	965
8.244		1395	587
8.261		1419	812
8.311		1732	1318
8.362		1418	406
8.389		1279	476
8.554		1210	1024
8.586		2241	1357
8.622		1646	1077
8.653		2288	953

ASX67 0622

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JOPIBLKJO PIBLK1219199999 Injection Volume: 1SW-846 8082
Injected On: 7/10/2012 6:48:34 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0006.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.518		22712	17800
2.557		8197	7938
2.578		7325	6368
2.63		129966	360634
2.693		135259	198779
2.725		138659	236745
2.766		113522	115637
2.811		41006	28393
2.844	TCX	31485750	21671010
2.937		21647	29934
2.97		73068	46859
2.995		24292	13577
3.021		19852	31853
3.045		11538	4546
3.071		398565	280462
3.134		10871	9978
3.164		8377	2192
3.175		8219	3290
3.193		101434	422088
3.301		56027	151435
3.323		11420	7281
3.371		32893	73679
3.419		13874	10746
3.445		14218	13854
3.48		28786	28545
3.511		65855	77404
3.546		75990	55313
3.566		191550	145986
3.629		18551	42249
3.655		14979	11455
3.671		12498	3138
3.692		23215	17203
3.71		19738	9958
3.739		20002	18500
3.766		50672	65130
3.825		124947	403692
3.873		6617	2978
3.883		14293	8701
3.969		153224	323454
4.01		17985	13159
4.081		25874	95933
4.088		12999	5809
4.112		25363	18608
4.16		21323	26499
4.195		13052	4635
4.21		13340	10258
4.269		18607	19478
4.31		207614	221879
4.377		33436	190350
4.392		8127	5284
4.412		13129	5304
4.495		170985	325778
4.547		123295	439440
4.683		19754	202803

RT B	Compound B	Height B	Area B
4.742		10371	4159
4.792		40459	51378
4.823		14536	11209
4.868		9823	5897
4.936		106367	230017
4.985		20600	16856
5.059		25564	25102
5.137		8355	9263
5.258		39604	161135
5.47		59657	119187
5.507		194193	213868
5.601		25204	74318
5.726		23391	67323
5.8		201615	1397727
5.905		219938	333835
5.948		19940	30218
6.049		17939	50296
6.299		6366	2087
6.328		127939	145050
6.491	DCB	18235140	20191070
6.833		13571	16956
7.083		7801	3591
7.184		6220	4735
7.235		7762	12486
7.365		19810	21108
7.486		5776	3469
7.787		6868	6768
7.822		7267	7052
7.992		5707	7798
8.328		5034	2613
8.47		6134	10052
8.574		7292	6051

IBLKX1224C JOPIBLKJO PIBLK1219199999 SW-846 8082

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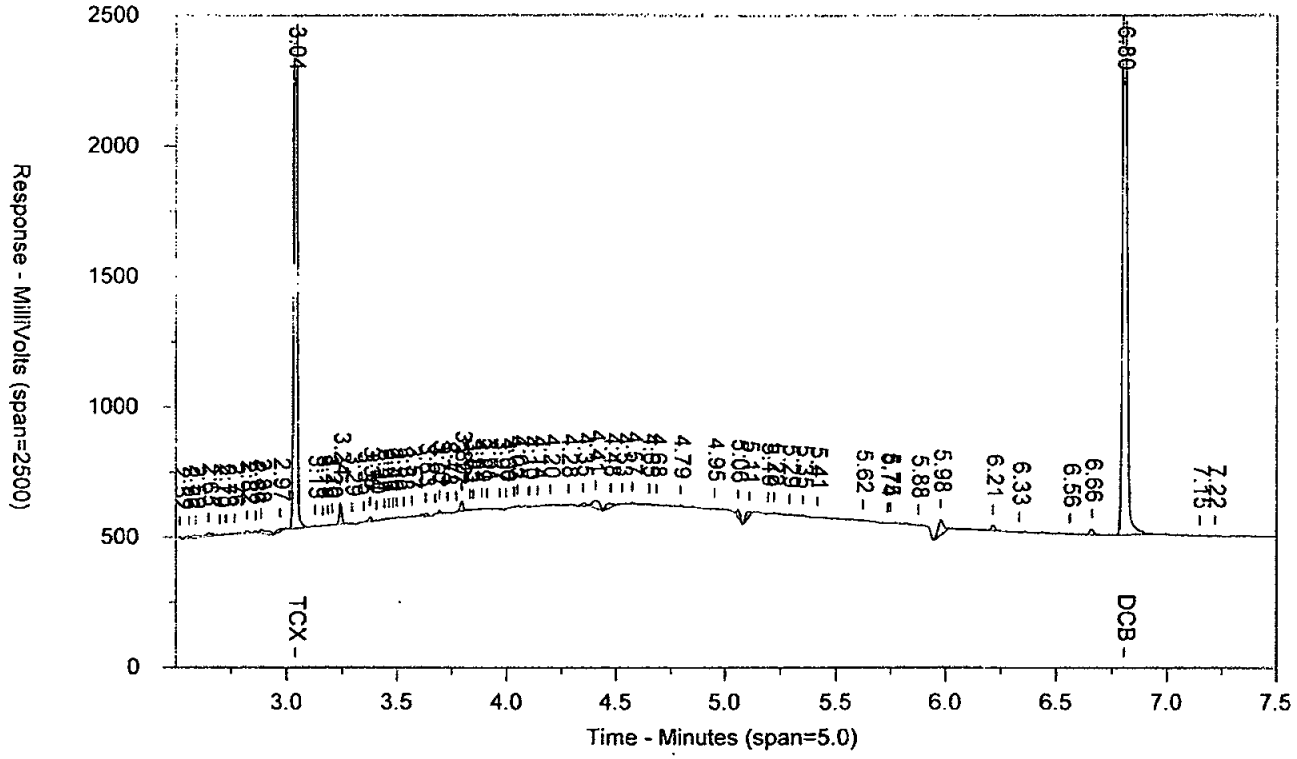

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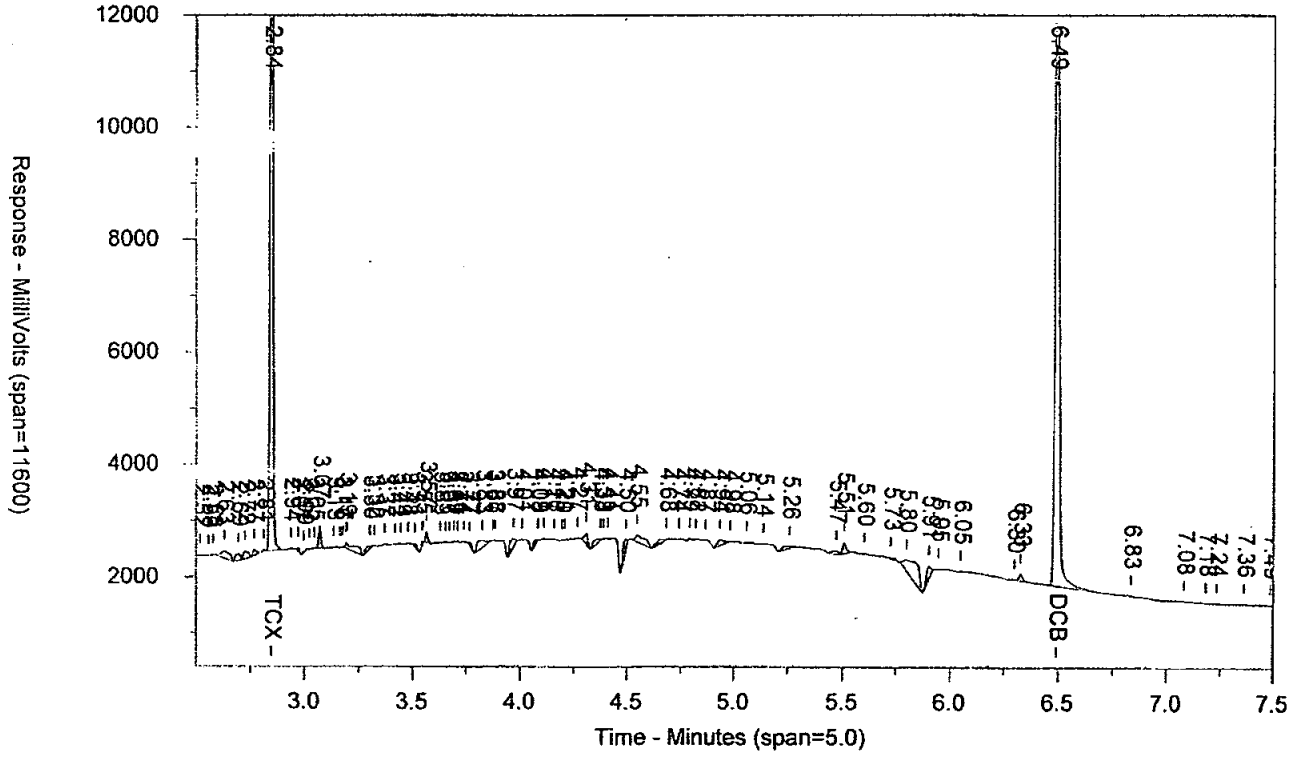

ASX67 0625

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JOPIBLKJO PIBLK1219199999 Sample WeightSW0846 8082
Injected On: 7/10/2012 6:48:34 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	5457279	.211	TCX	2.844	31485750	.211	TCX
6.805	2562751	.178	DCB	6.491	18235140	.174	DCB

Files:
Area File: 5p20188.0006.RAW
Area File: 5p20188B.0006.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 6:57:16 PM
File Reported On: 7/10/2012 at 6:57:24 PM

ASX67 9626

IBLKX1224C JOPIBLKJO PIBLK1219199999 SW-846 8082

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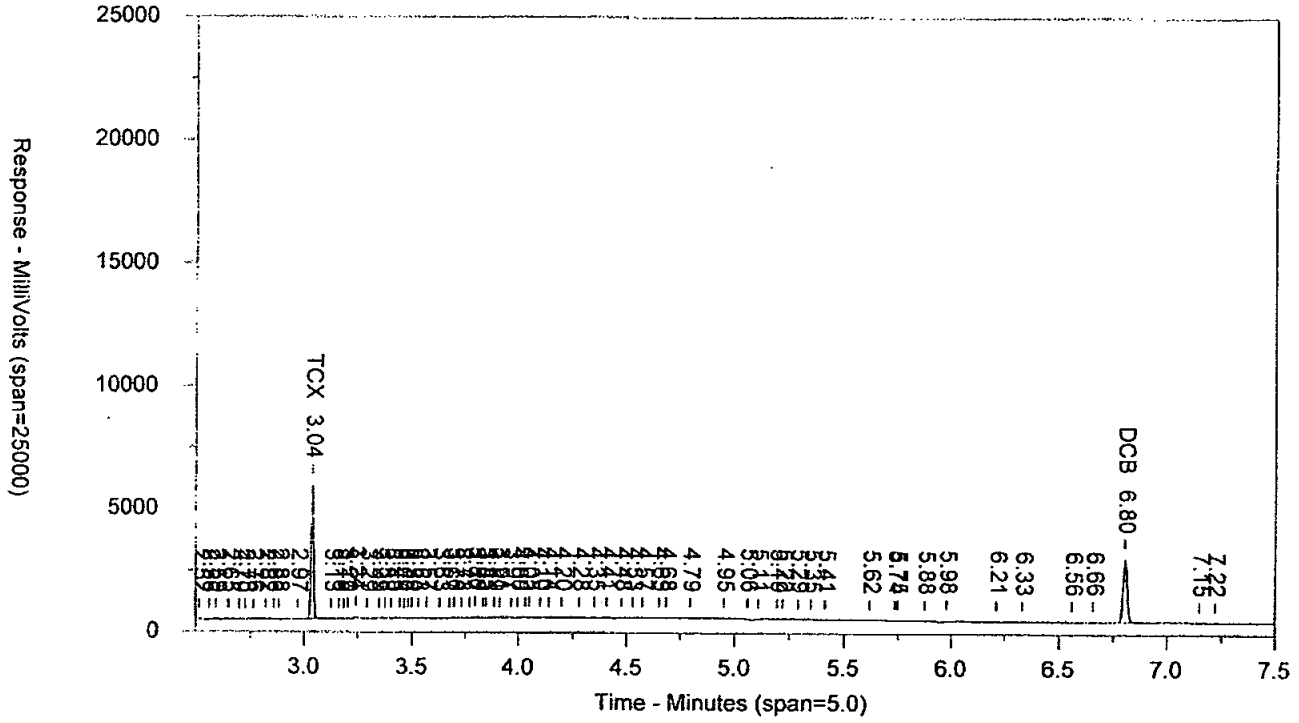

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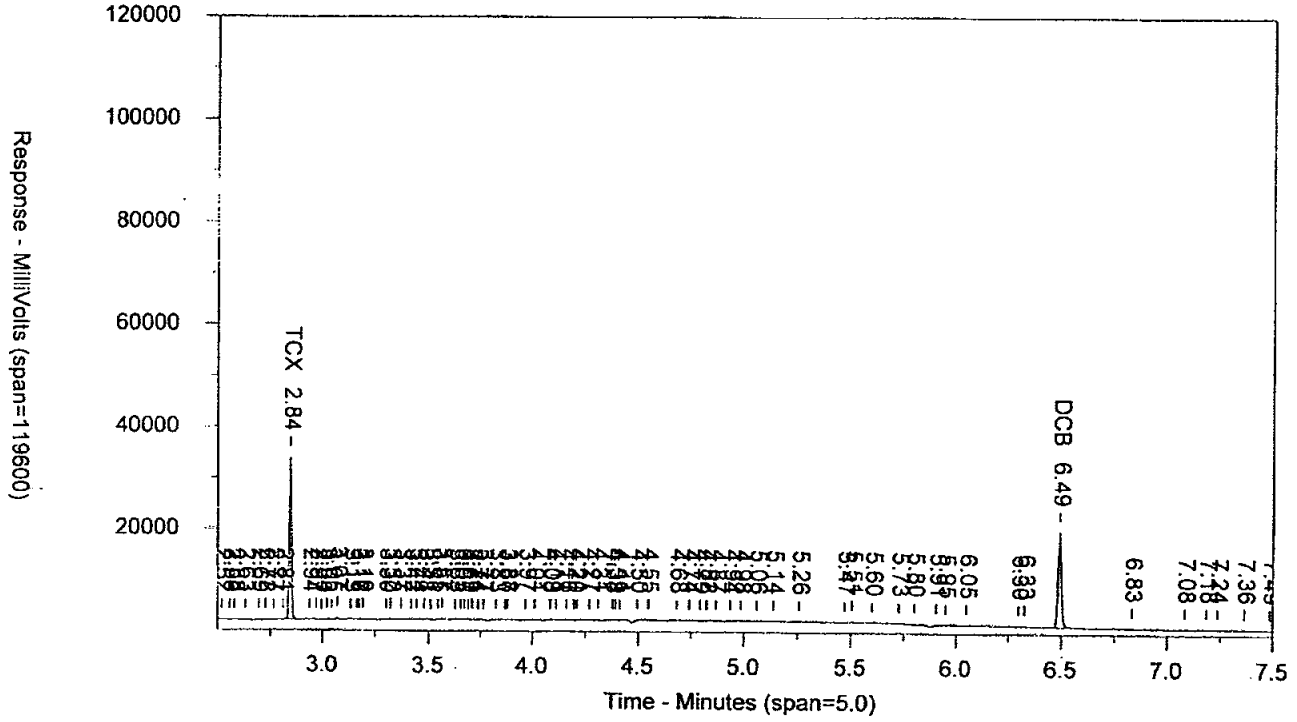

ASX67 0627

LANCASTER LABORATORIES

Sample Number: AR1631224B SAAR163SA CCAL 1219199999 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 8:08:30 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0013.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.552		1338	1317
2.587		3400	5748
2.666		11074	15482
2.724		1420	761
2.755		1337	663
2.824		3053	3157
2.856		2549	1742
2.881		3245	1987
2.909		4928	2900
2.953		1966	1873
2.97		3916	2449
2.995		2379	1205
3.038	TCX	10437140	8153532
3.125		3274	2407
3.191		162816	151255
3.248		268789	287673
3.298		961029	766045
3.346		1095	544
3.375		25241	14437
3.394		110633	75264
3.436		4478	4407
3.518		909782	619261
3.535		396787	222759
3.572		116174	76254
3.588		16159	5839
3.604		80193	49516
3.635		1208533	1012957
3.671		7415	4507
3.693		19230	12673
3.711		26297	16596
3.748		238623	165338
3.764		97618	57442
3.823		2286701	3285557
3.862		1388303	1203284
3.924		1197749	1091028
3.966		82262	63951
3.994		737987	627218
4.023		532696	490307
4.044		121319	83337
4.123		835864	725594
4.149		284984	211919
4.181		319845	267063
4.218		917285	1050546
4.259		290117	279441
4.307		45679	40966
4.348		53454	48514
4.384		796425	696467
4.404		144470	84678
4.428		233080	183991
4.474		1085	2400
4.499		127644	129768
4.544		886061	1033995
4.648		5451	5716
4.691		37610	36959

ASX67 9628

RT A	Compound A	Height A	Area A
4.76		366924	576414
4.807		482958	541113
4.855		919672	1166507
4.894		165671	133086
4.935		1839683	2062503
4.978		4284	4962
5.027		277341	337473
5.06		38062	28282
5.087		357047	371982
5.14		2333608	3347164
5.191		427070	425730
5.234		1088829	1430037
5.313		166754	209031
5.349		2437613	3026487
5.414		1438569	1551144
5.456		846456	943356
5.554		81320	90598
5.578		1200012	1290454
5.636		695657	747869
5.676		339796	365351
5.716		69737	74002
5.76		536273	598100
5.817		3464226	4517040
5.969		14759	21638
6.024		1815869	2172757
6.068		33306	120926
6.077		180305	135166
6.211		103449	127023
6.271		30434	26159
6.297		327668	352965
6.453		784778	959767
6.499		46892	51825
6.654		299345	375531
6.802	DCB	4865267	6163984
6.98		21324	37758
7.147		2880	2987
7.218		8654	18457
7.377		3830	10641
7.479		1781	537
7.554		1992	3713
7.607		2030	2212
7.679		8093	20186
7.824		2392	4054
7.937		6299	13457
8.059		2057	3265
8.251		1509	1004
8.278		983	488
8.324		3661	10134
8.448		1195	596
8.496		1231	1411
8.548		1467	1748
8.587		1931	1390
8.637		2784	17670

ASX67 0629

LANCASTER LABORATORIES

Sample Number: AR1631224B SAAR163SA CCAL 1219199999 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 8:08:30 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0013.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.512		44944	36628
2.543		13280	10993
2.573		12262	10750
2.631		56680	90940
2.691		35493	26900
2.726		47595	66680
2.764		28379	18734
2.796		5171	5734
2.814		9228	3649
2.845	TCX	63077980	43812050
2.888		329898	257813
2.97		25226	18561
2.986		58451	40897
3.019		903095	698350
3.072		242369	129794
3.082		557733	286180
3.137		4994257	3592016
3.193		160201	108782
3.226		14403	8736
3.252		620936	451294
3.298		17363	16346
3.316		10360	5188
3.35		6296966	7314792
3.403		751310	520668
3.425		291448	181041
3.451		469193	291618
3.477		6097912	4903632
3.513		175086	115341
3.56		1574945	989427
3.576		772884	387177
3.638		13691400	16035870
3.674		6718197	5853260
3.753		6958312	5372621
3.787		4022027	2961799
3.814		4256214	2917672
3.833		1220939	690265
3.883		18646	15911
3.927		5320151	4137358
3.954		1825460	1192508
3.976		1697189	1207913
4.01		634196	355891
4.027		4074335	2966753
4.074		1514344	1351841
4.122		165875	145712
4.146		1106983	735743
4.169		5650915	4463924
4.197		1180677	846754
4.219		61644	24930
4.237		524005	388787
4.276		4844353	4261453
4.317		118678	88481
4.335		239853	235065
4.401		11991	9722
4.436		260383	370669

ASX67 0638

RT B	Compound B	Height B	Area B
4.497		1131373	1140367
4.546		871781	633869
4.576		5210745	5330960
4.605		2022465	2277475
4.66		11088810	10718610
4.709		149641	112003
4.735		813951	594668
4.761		2787919	2457943
4.806		17276860	16850840
4.866		18354	13709
4.919		12684310	13291520
4.979		1160645	1131735
5.016		3706773	3520167
5.056		12995100	12850460
5.088		8882171	8129188
5.13		5696039	5464240
5.197		19827	12661
5.235		2020706	2384862
5.287		8939740	8721979
5.313		570031	385960
5.363		4825736	5121414
5.4		2042216	1699705
5.423		857761	664403
5.48		25295750	26687140
5.522		383425	300241
5.558		708583	661900
5.674		61807	59127
5.697		4475412	4519041
5.744		13313960	16361640
5.901		630297	713554
5.943		294147	261195
5.969		120669	99257
6.021		2098432	2222699
6.125		4536621	4643662
6.156		140321	105050
6.326		1479748	1663862
6.489	DCB	29896940	33811240
6.676		36476	90099
6.788		6908	8561
6.833		35371	48444
6.905		100126	278416
7.098		8134	22165
7.271		14845	34173
7.363		33033	45724
7.456		24226	84879
7.59		20141	33026
7.839		23157	74212
7.911		8956	23428
8.01		4947	4703
8.045		10534	18955
8.159		3125	1363
8.207		3929	4128
8.285		3711	10446
8.341		5643	9022
8.506		5771	7423

ASX67 0631

AR1631224B SAAR163SA CCAL 1219199999 SW-846 8082

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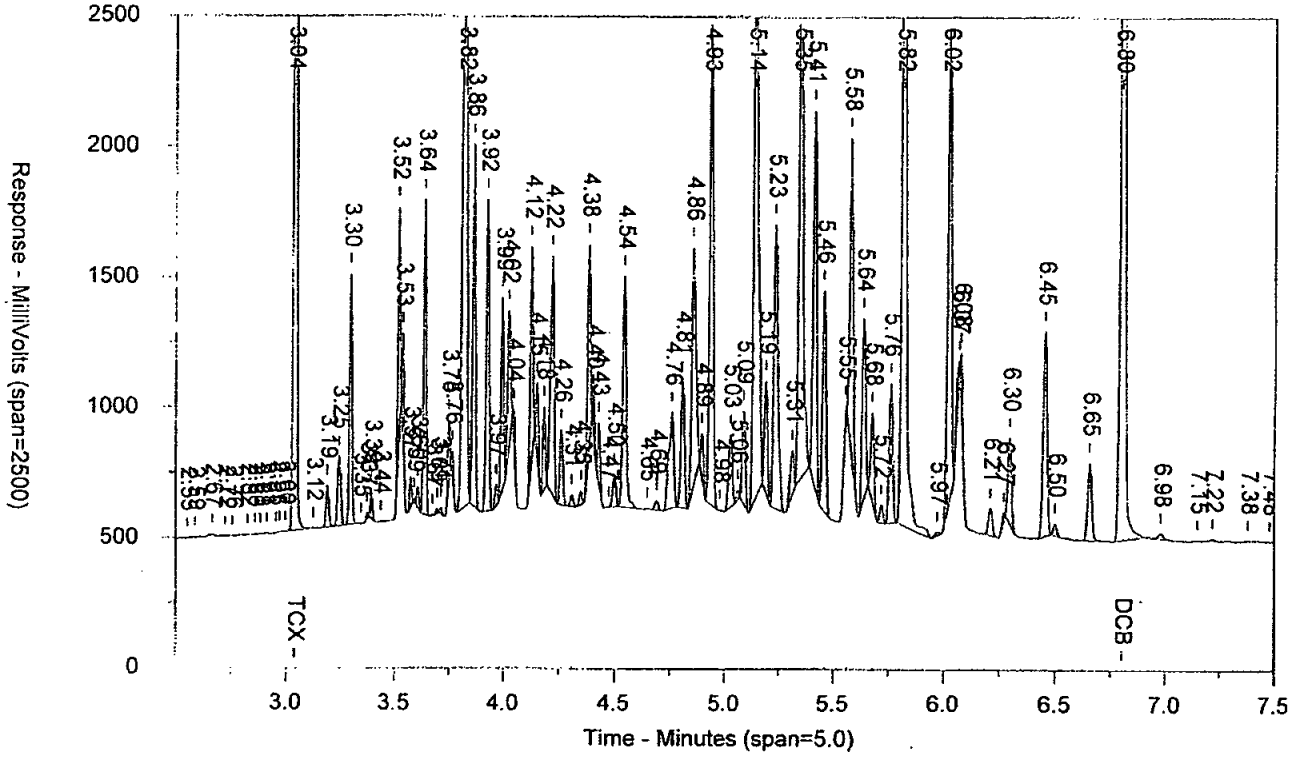

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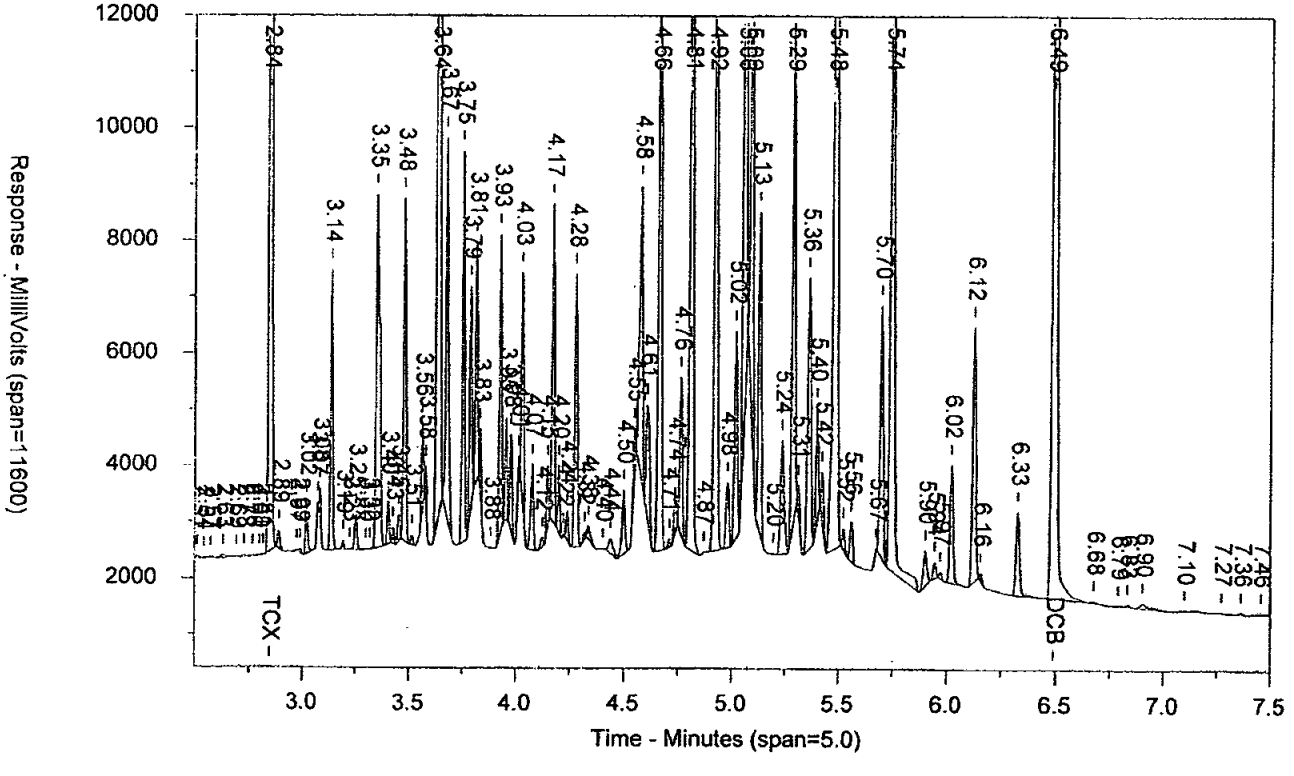

ASX67 8632

LANCASTER LABORATORIES

Sample Number: AR1631224B SAAR163SA CCAL 1219199999 Sample Weight: $W-846 8082
Injected On: 7/10/2012 8:08:30 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	10437140	40.423	TCX	2.845	63077980	42.177	TCX
6.802	4865267	33.773	DCB	6.489	29896940	28.565	DCB

Files:
Area File: 5p20188.0013.RAW
Area File: 5p20188B.0013.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 8:17:11 PM
File Reported On: 7/10/2012 at 8:17:18 PM

AR1631224B SAAR163SA CCAL 1219199999 SW-846 8082

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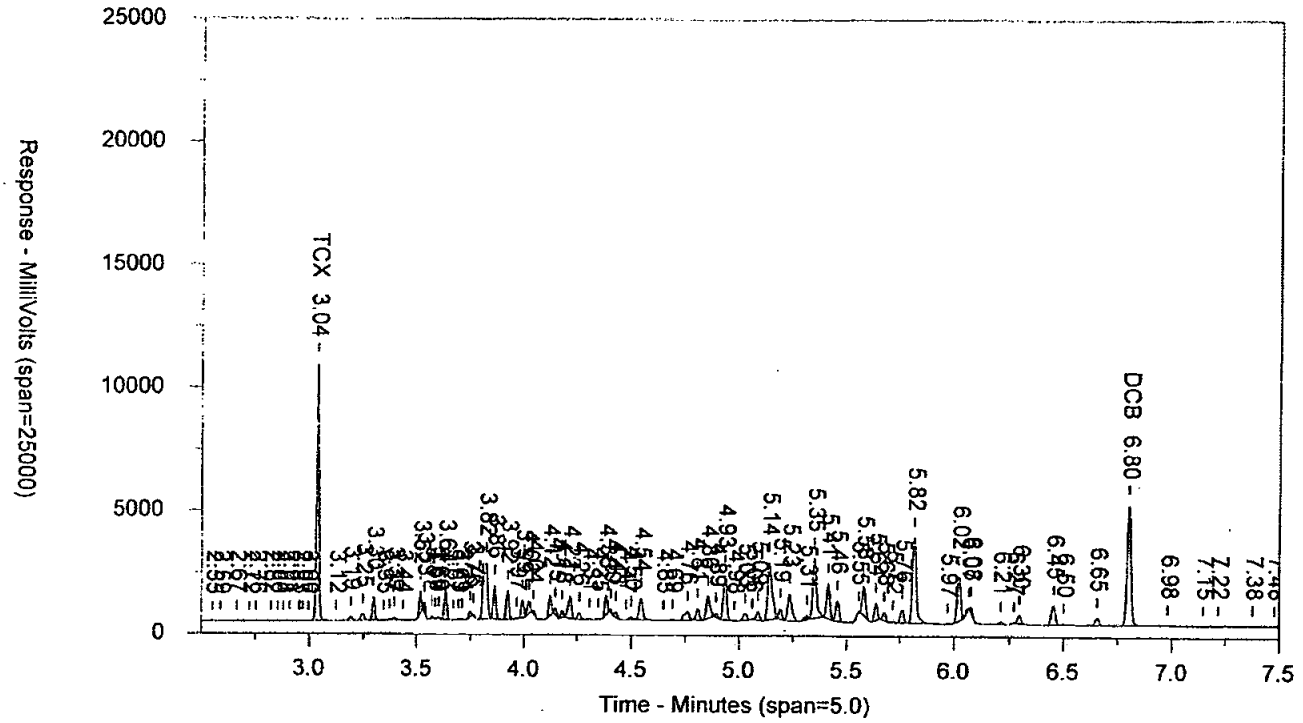

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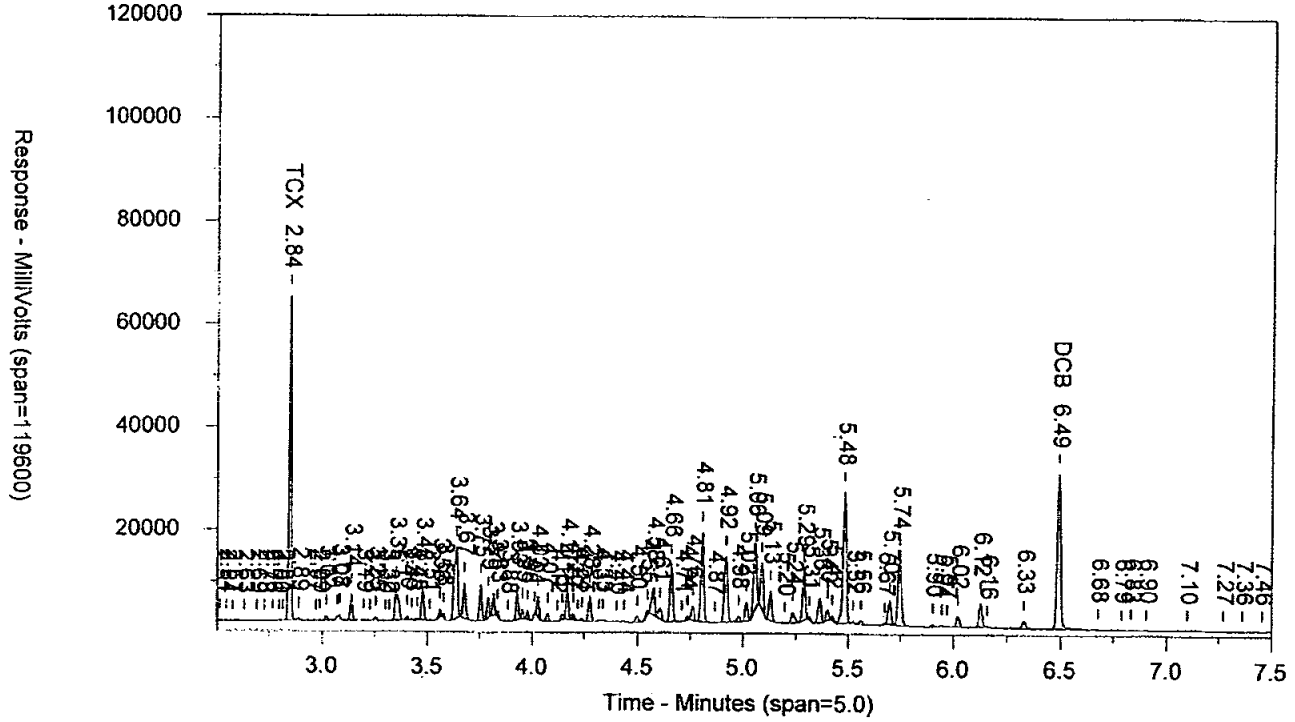

ASX67 0634

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JPPIBLKJP PIBLK1219199999 Injection Volume: SW-846 8082
Injected On: 7/10/2012 8:19:51 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0014.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.516		5548	4268
2.567		9479	19485
2.586		10472	21740
2.646		15843	26328
2.793		2614	2641
2.822		4368	3810
2.858		2894	2300
2.884		9229	10743
2.973		5769	14956
2.994		5454	3865
3.038	TCX	5649396	4257168
3.127		6149	5393
3.155		1847	812
3.205		2280	3849
3.242		87164	65123
3.359		584	8622
3.375		22195	16889
3.414		2671	3443
3.448		2565	2573
3.468		1676	1219
3.499		3331	3007
3.567		3765	5330
3.607		1329	657
3.624		6441	10837
3.672		5132	5036
3.694		17238	12255
3.742		2013	5098
3.794		96933	88199
3.827		1397	836
3.862		1730	2370
3.88		3812	8457
3.959		3505	3697
4.01		2196	3022
4.038		1211	1620
4.095		1891	2542
4.131		1617	1109
4.166		2400	1411
4.179		2126	1068
4.211		3018	3049
4.275		2288	1672
4.345		3480	3184
4.417		38806	60929
4.468		12736	29467
4.523		1640	1536
4.54		2838	1974
4.648		5439	7193
4.697		3386	4280
4.788		4156	5082
4.89		2311	3057
4.968		2634	789
4.994		2148	3343
5.061		113233	134306
5.103		9460	14776
5.134		2479	1815

ASX67 0635

RT A	Compound A	Height A	Area A
5.219		6738	9894
5.291		16294	21772
5.344		4134	13514
5.41		5337	13718
5.476		4611	7792
5.553		10517	25977
5.609		5327	9943
5.671		2580	4891
5.808		2811	3778
5.981		12542	33317
6.018		18728	34461
6.074		6105	9933
6.154		1729	985
6.211		29453	44852
6.294		3541	15816
6.322		1201	410
6.357		2515	7181
6.442		1616	726
6.508		1554	892
6.653		21706	27605
6.754		1443	667
6.8	DCB	2481224	3326641
6.929		1625	1023
6.965		2469	4041
7.085		1713	1142
7.147		3103	7765
7.209		3569	6111
7.296		1631	2274
7.401		1322	1201
7.576		1465	805
7.663		1440	615
7.75		977	1489
7.897		640	2616
7.927		4196	10776
8.09		1781	1867
8.345		1587	1188
8.389		1268	529
8.451		1201	1649
8.645		1372	1897

ASX67 0636

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JPPIBLKJP PIBLK1219199999 Injection Volume: SW-846 8082
Injected On: 7/10/2012 8:19:51 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0014.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.52		12415	5191
2.556		8516	7038
2.63		171654	455328
2.697		139737	243144
2.726		118976	204876
2.765		78211	56271
2.782		10636	6302
2.811		23054	21863
2.845	TCX	32159850	22146180
2.934		23601	30989
2.969		80376	65948
3.02		36688	85668
3.051		16575	15964
3.072		395765	267996
3.136		10046	5829
3.193		102061	99312
3.231		80944	246222
3.319		61903	289631
3.362		7021	9612
3.379		19303	31772
3.433		7489	15728
3.448		14140	9579
3.48		5633	3494
3.51		65929	82549
3.565		623008	732651
3.608		15441	13821
3.628		10219	6077
3.652		17068	13119
3.692		14301	6903
3.736		9718	4540
3.82		22714	127994
3.873		12087	22156
3.967		120619	278942
4.006		162367	365349
4.081		159784	514189
4.156		14676	20678
4.212		14578	10343
4.247		11347	5999
4.266		35911	266543
4.351		47517	60003
4.374		11305	6245
4.384		17512	8643
4.421		142439	577765
4.488		118624	153180
4.546		685383	977975
4.672		21678	138197
4.727		6660	10774
4.773		55063	80766
4.875		133461	258858
4.931		125523	354202
5.006		62351	143564
5.053		33643	102984
5.122		87083	113427
5.179		87452	204116

RT B	Compound B	Height B	Area B
5.237		98862	966319
5.392		291755	833687
5.475		169605	584264
5.514		8196	5342
5.593		42866	77711
5.674		7769	5052
5.784		186188	1442914
5.902		264342	621230
5.997		15716	37513
6.326		103273	111189
6.488	DCB	15829070	17863900
6.831		18943	24821
6.882		7984	9327
6.942		11450	45436
7.15		26648	111863
7.318		11649	16520
7.356		13943	18965
7.53		14606	29531
7.591		10444	10443
7.737		7290	12342
7.858		6763	5980
7.932		6189	15802
8.173		2204	4727
8.245		6525	12385
8.269		5899	5307
8.466		4255	1099

ASX67 8638

IBLKX1224C JPPIBLKJP PIBLK1219199999 SW-846 8082

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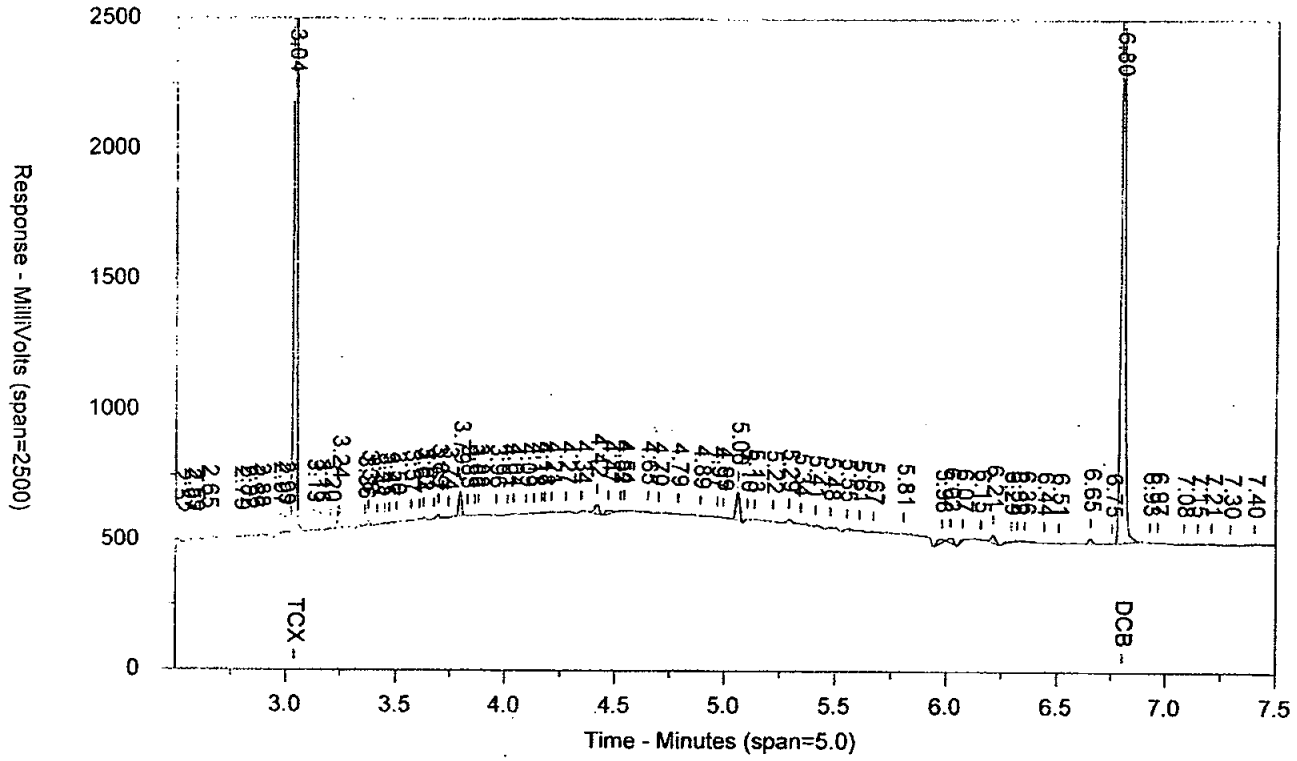

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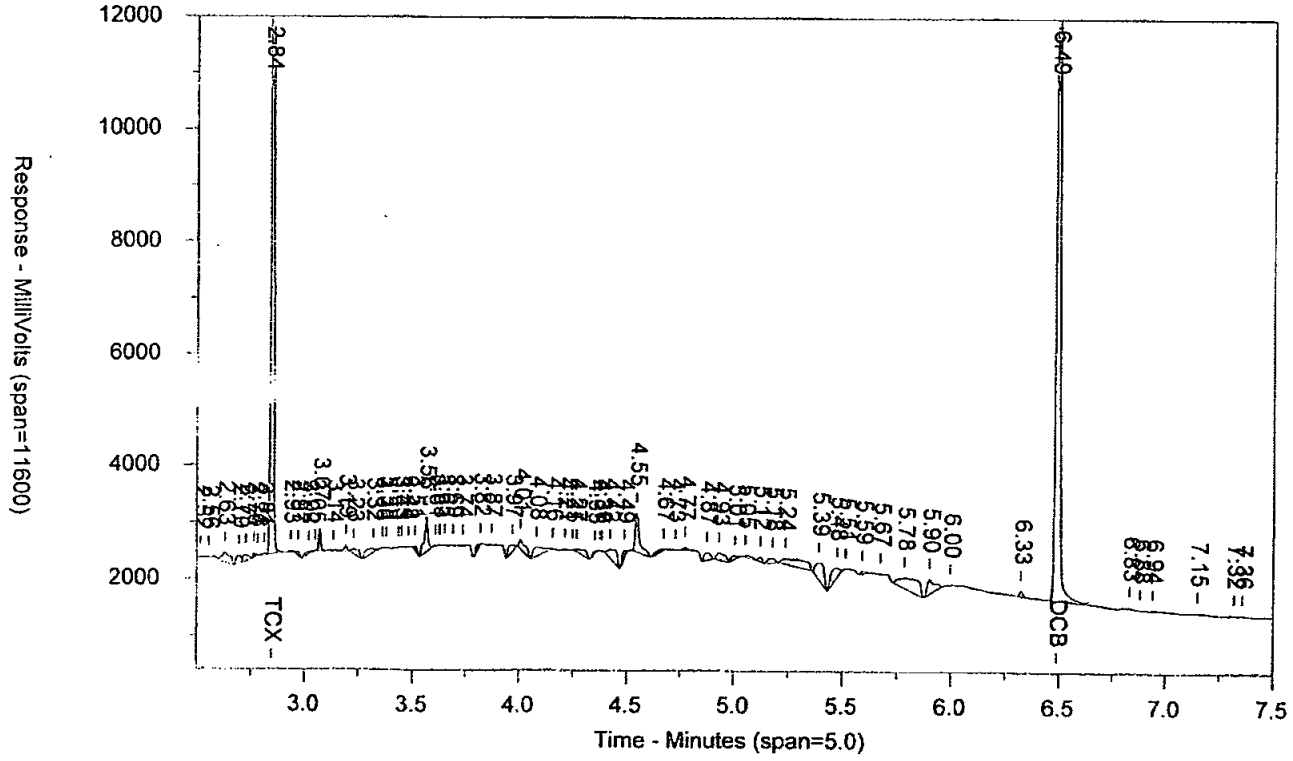

ASX67 0639

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JPPIBLKJP PIBLK1219199999 Sample Weight: SW846 8082
Injected On: 7/10/2012 8:19:51 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	5649396	.219	TCX	2.845	32159850	.215	TCX
6.8	2481224	.172	DCB	6.488	15829070	.151	DCB

Files:
Area File: 5p20188.0014.RAW
Area File: 5p20188B.0014.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 8:28:31 PM
File Reported On: 7/10/2012 at 8:28:34 PM

IBLKX1224C JPPIBLKJP PIBLK1219199999 SW-846 8082

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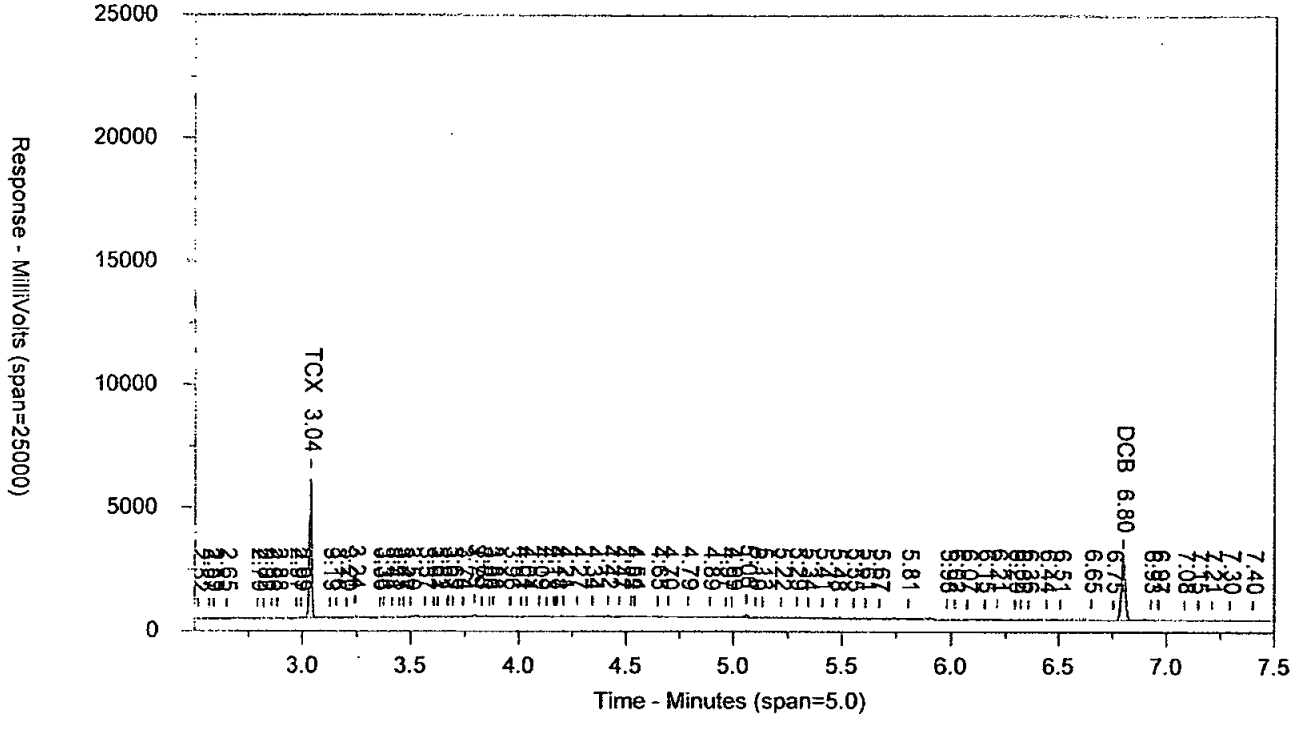

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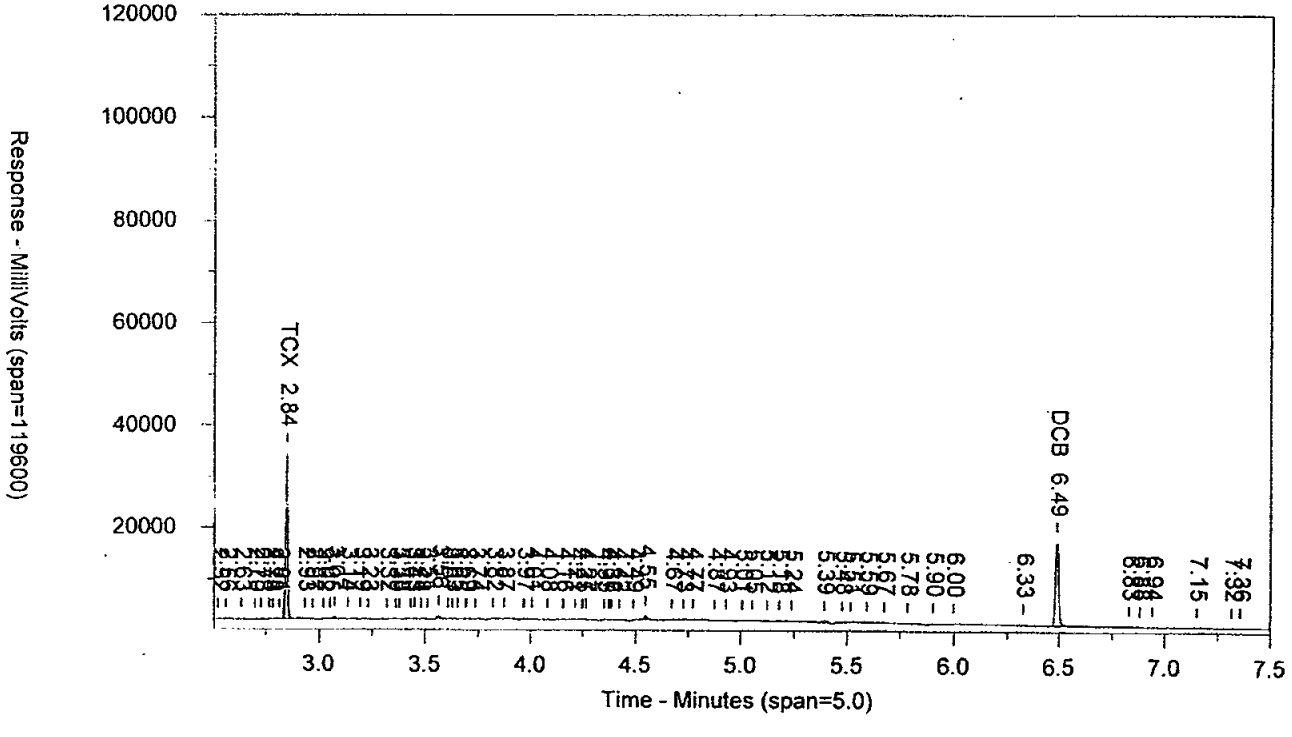

ASX67 0641

LANCASTER LABORATORIES

Sample Number: AR1631224B SBAR163SB CCAL 1219199999 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 10:25:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0025.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.522		2886	2465
2.558		2077	1534
2.585		4501	8027
2.646		11878	10540
2.666		13516	13478
2.701		2712	2885
2.773		1226	436
2.788		1476	482
2.821		3555	3230
2.859		3444	2963
2.885		8878	7106
2.91		12352	15966
2.957		4160	5555
2.968		3436	2132
3.001		2922	2256
3.038	TCX	10769350	8210800
3.127		2748	1490
3.152		1756	1221
3.192		164752	153591
3.249		269447	293370
3.299		971876	775762
3.376		20702	11229
3.394		108821	78853
3.436		3946	3917
3.484		1601	1438
3.519		901370	622762
3.536		377941	219543
3.573		118648	80355
3.589		15410	6037
3.606		83890	51965
3.637		1212906	1037628
3.671		6627	4037
3.694		21266	13482
3.712		29363	19900
3.749		260051	181088
3.765		111911	61592
3.824		2430658	3490561
3.864		1416730	1283549
3.926		1302349	1170720
3.966		89802	69478
3.995		782320	669312
4.024		583218	529763
4.046		148270	90170
4.125		907570	770927
4.15		287040	214012
4.183		343033	281218
4.219		962645	1111777
4.261		318366	298433
4.309		48285	47166
4.351		56761	52351
4.385		868113	743137
4.406		162092	93628
4.43		247635	200821
4.46		3114	1922

ASX67 0642

RT A	Compound A	Height A	Area A
4.501		138460	140345
4.546		966971	1112550
4.648		4609	7228
4.692		42572	39885
4.761		395487	624769
4.809		537567	581478
4.857		988108	1254657
4.896		180804	142255
4.937		1906564	2217535
5.029		296775	365065
5.062		40047	28561
5.089		382718	400473
5.142		2524623	3607254
5.194		464940	460967
5.235		1183039	1555861
5.314		196145	237165
5.351		2792520	3346687
5.414		1554052	1730357
5.458		904967	1043047
5.556		90582	103889
5.58		1333782	1426236
5.639		772484	861501
5.677		397410	417310
5.719		78614	85082
5.762		585214	669246
5.819		3925696	5049587
5.977		56869	76162
6.026		1976224	2396738
6.076		655964	1201075
6.214		122697	140982
6.273		33582	28124
6.299		361705	386576
6.457		874308	1071956
6.501		48627	52205
6.658		328126	407719
6.746		1807	1492
6.806	DCB	5036140	6798632
6.983		19056	27988
7.146		5174	6318
7.217		6106	12279
7.3		2672	2624
7.463		1282	343
7.511		1619	1586
7.684		8311	18206
7.784		1253	416
7.873		2987	3904
7.944		5546	10900
7.995		1602	1095
8.05		1417	790
8.181		1328	1487
8.276		1506	1775
8.419		1718	1476
8.516		1695	2035

LANCASTER LABORATORIES

Sample Number: AR1631224B SBAR163SB CCAL 1219199999 Injection Volume: 1 uSW-846 8082
Injected On: 7/10/2012 10:25:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0025.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		49124	45308
2.543		16024	9861
2.582		37881	59746
2.63		95997	198230
2.694		72525	106009
2.725		56823	47945
2.765		94028	82094
2.815		10849	8176
2.845	TCX	65963630	45383490
2.887		339461	271065
2.97		74035	128711
3.019		924875	737391
3.072		223035	141394
3.082		570436	264077
3.137		5031761	3717512
3.193		177019	121358
3.222		10056	4426
3.253		623370	470051
3.303		11754	10950
3.326		9353	2785
3.35		6555442	7545716
3.403		782017	547413
3.427		290061	180042
3.452		521542	311038
3.478		6217355	5086982
3.514		185012	125767
3.561		1642578	1030425
3.577		777447	402362
3.63		747235	1079122
3.639		7513486	4009747
3.675		7042148	6119259
3.754		7404812	5728162
3.788		4383072	3160039
3.815		4636527	3179143
3.834		1307193	769476
3.928		6047922	4739346
3.954		2048052	1338273
3.977		1942415	1385925
4.012		650315	414038
4.029		4985962	3505531
4.076		1771335	1612770
4.123		218839	183067
4.147		1332747	899046
4.171		6417864	5211389
4.198		1448605	1016568
4.22		76011	31731
4.238		679914	489429
4.277		5594490	4923866
4.318		147879	111281
4.337		293641	272501
4.397		15427	18577
4.437		318373	447458
4.499		1316501	1359823
4.547		982357	716444

RT B	Compound B	Height B	Area B
4.576		5985992	6222355
4.606		2442352	2687866
4.662		13505890	12841070
4.711		194690	139436
4.737		968925	701678
4.762		3330944	2961177
4.808		20603390	20321440
4.872		60604	85054
4.921		15682210	15972290
4.981		1360737	1381227
5.018		4329769	4191209
5.058		15634910	15260710
5.09		11128480	9934596
5.132		7223100	6769641
5.196		17807	14619
5.238		2507959	2933901
5.289		11486010	10881830
5.316		746049	490587
5.365		5808890	6216405
5.401		2586951	2165303
5.425		917050	656024
5.483		31540940	33431470
5.524		378166	290081
5.56		972485	906278
5.595		29428	36971
5.675		78228	88863
5.699		5962363	5873660
5.746		17611190	22918820
5.903		808067	960999
5.944		440617	410535
5.973		176988	155548
6.022		2630333	2941557
6.126		5992489	6124101
6.158		202429	132401
6.329		1994907	2185023
6.491	DCB	38195870	42842000
6.835		36736	38589
6.908		99104	176372
7.293		5126	9881
7.367		39101	52451
7.524		13144	17229
7.592		13747	17166
7.948		8600	23223
7.978		6140	5417
8.037		5447	3667
8.125		5434	3191
8.247		4083	4504
8.396		4843	3371
8.575		3236	2146
8.609		7282	51407

AR1631224B SBAR163SB CCAL 1219199999 SW-846 8082

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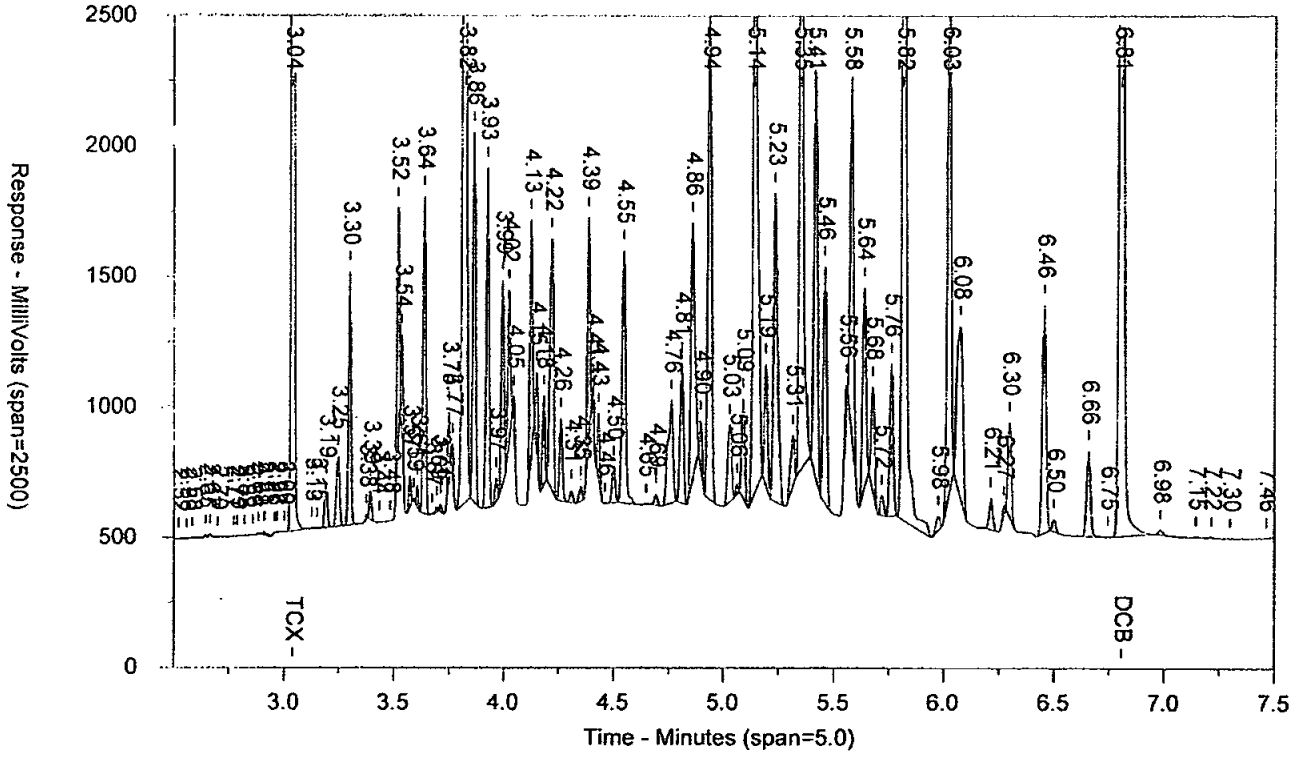

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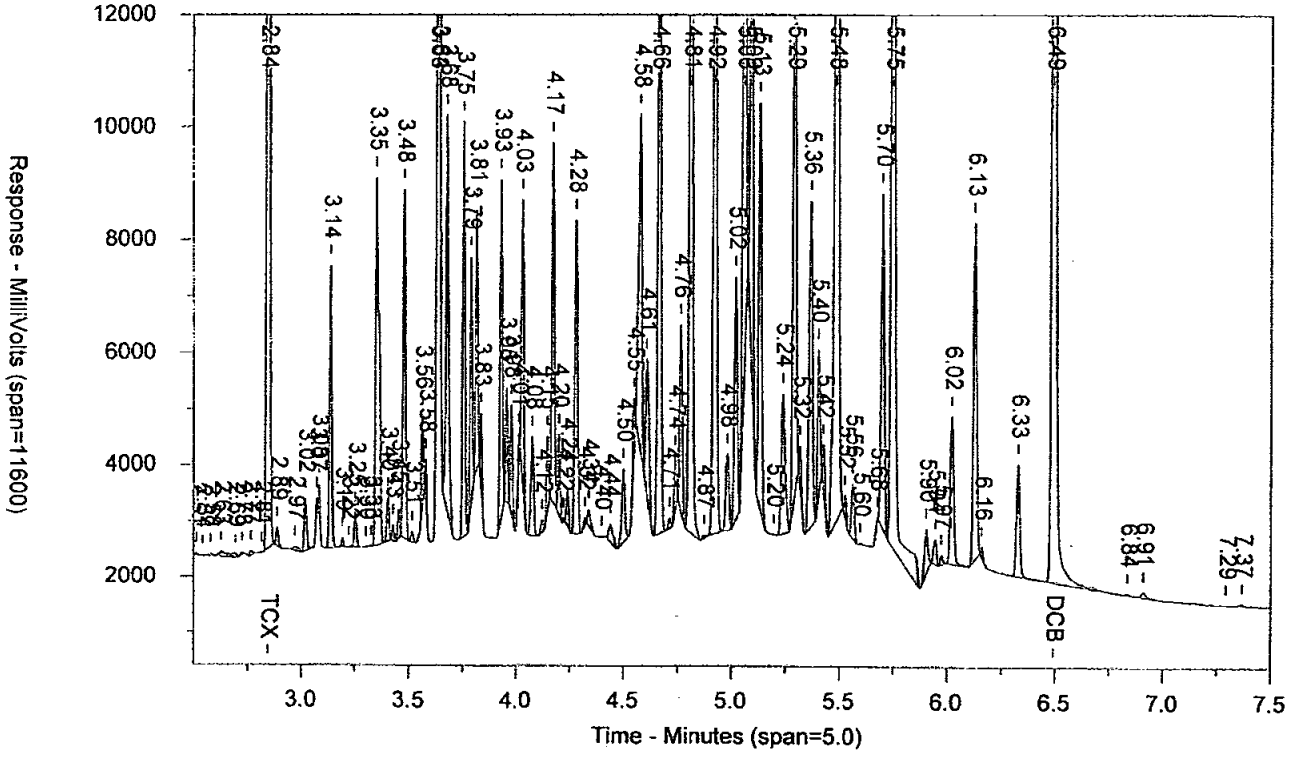

ASX67 0646

LANCASTER LABORATORIES

Sample Number: AR1631224B SBAR163SB CCAL 1219199999 Sample Weight: $W-846 8082
Injected On: 7/10/2012 10:25:26 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	10769350	41.709	TCX	2.845	65963630	44.106	TCX
6.806	5036140	34.96	DCB	6.491	38195870	36.495	DCB

Files:
Area File: 5p20188.0025.RAW
Area File: 5p20188B.0025.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 10:34:09 PM
File Reported On: 7/10/2012 at 10:34:12 PM

AR1631224B SBAR163SB CCAL 1219199999 SW-846 8082

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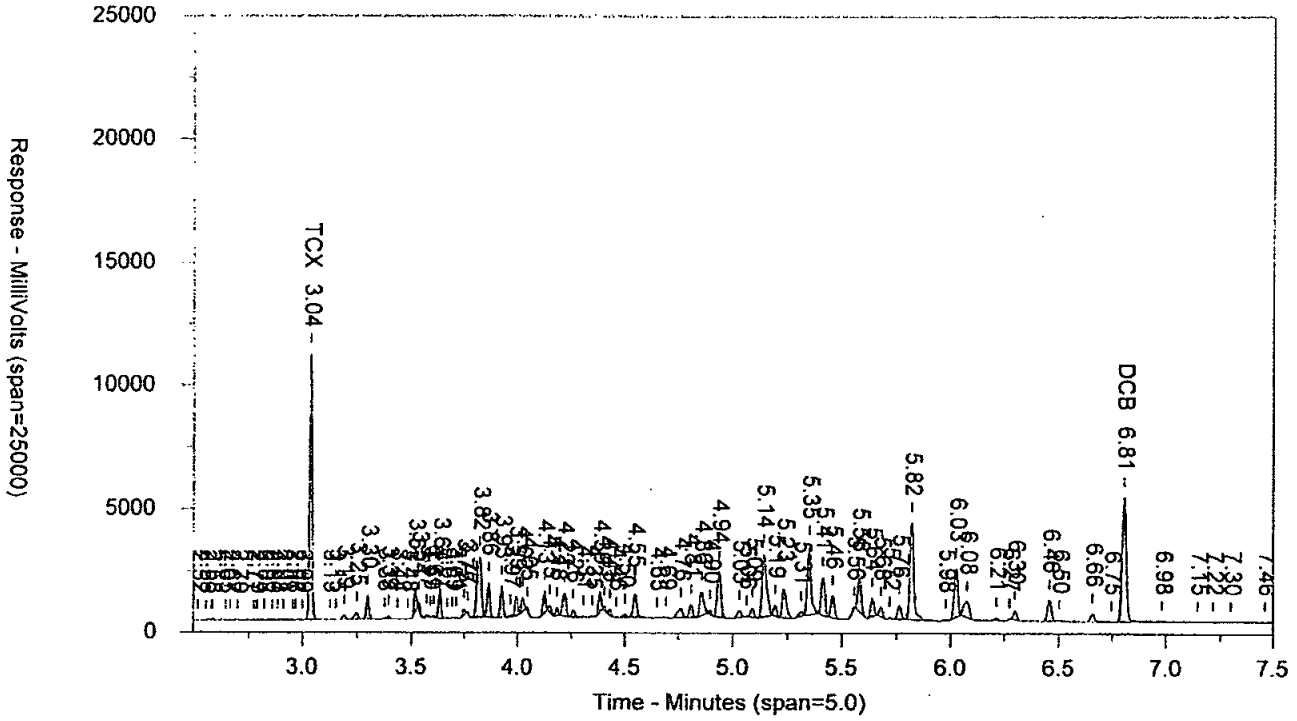

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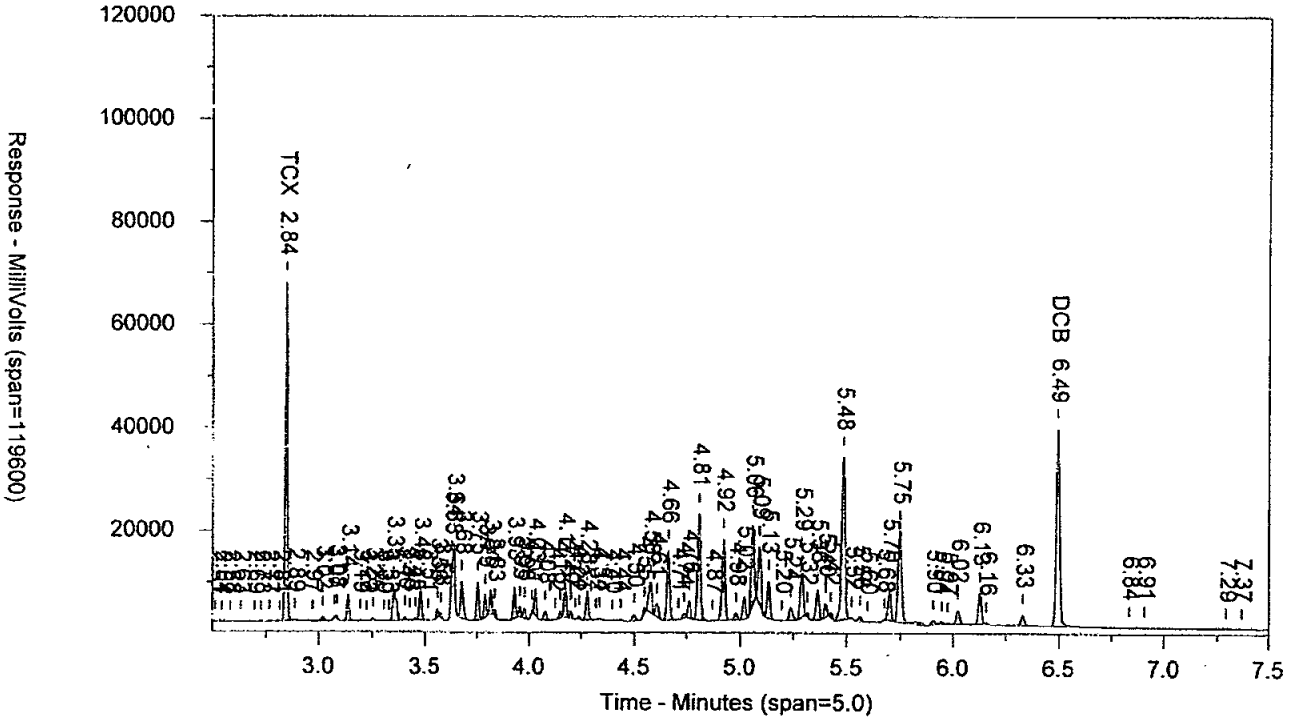

ASX67 B648

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JQPIBLKJQ PIBLK1219199999 Injection Volume: 1SW-846 8082
Injected On: 7/10/2012 10:36:48 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0026.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.517		4251	2836
2.557		9925	16004
2.597		9624	25390
2.629		8196	8000
2.648		19649	40669
2.732		4244	8747
2.771		1511	1088
2.824		9782	10218
2.859		10612	8243
2.882		12901	10460
2.907		5142	14013
2.97		12094	23339
2.997		3952	2763
3.038	TCX	5329276	4027336
3.066		14528	10134
3.128		7256	5708
3.16		3339	3295
3.209		2674	1847
3.242		81831	63540
3.341		2575	5332
3.377		20309	19329
3.41		1755	2482
3.446		1802	1164
3.466		2089	1330
3.483		2779	1369
3.502		3117	2210
3.533		2058	2018
3.554		1965	765
3.61		2181	2833
3.626		6777	10842
3.674		4793	5404
3.695		14436	9871
3.73		4447	7457
3.796		100033	99097
3.827		1835	619
3.861		1958	1377
3.887		4008	3101
3.905		2989	3970
3.965		5620	8585
4.051		15949	35461
4.091		1751	908
4.13		1800	999
4.165		2771	1983
4.182		1849	793
4.213		1770	2191
4.239		2347	998
4.274		2030	1612
4.307		5399	4479
4.348		16297	24002
4.418		48377	81429
4.468		9274	17375
4.51		1879	551
4.546		2867	2653
4.574		4093	3459

ASX67 8649

RT A	Compound A	Height A	Area A
4.651		7286	9420
4.698		5052	5848
4.723		2893	4142
4.792		8762	14383
4.834		1435	600
4.846		5888	7296
4.9		1944	1203
4.954		6087	8529
5.062		119994	136666
5.102		25649	90964
5.196		2323	1358
5.221		7782	8769
5.295		13508	19445
5.347		5669	13473
5.42		10487	23749
5.482		3372	6654
5.552		6744	10637
5.621		8089	12768
5.674		5941	12133
5.734		2222	2647
5.815		8162	176579
5.977		73104	109079
6.022		22953	38103
6.082		10714	24687
6.158		1415	1408
6.214		30695	43476
6.269		2976	3122
6.302		3734	7587
6.354		2907	7418
6.455		3643	9865
6.657		22379	26954
6.805	DCB	2700769	3581268
6.975		3309	4175
7.026		1730	1117
7.149		3080	4785
7.278		1451	758
7.298		1228	1069
7.431		1897	2362
7.557		1807	2406
7.61		1061	598
7.683		3347	5357
7.753		1457	2775
7.852		1184	1585
7.885		2312	4108
7.944		3879	7372
8.029		797	955
8.048		1841	538
8.188		1566	1196
8.314		1766	1644
8.337		1791	827
8.368		1665	650
8.437		1165	1149
8.452		1712	923
8.53		1287	423
8.562		1536	990

ASX67 0658

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JQPIBLKJQ PIBLK1219199999 Injection Volume: 1SW-846 8082
Injected On: 7/10/2012 10:36:48 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0026.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.519		35891	26229
2.557		12717	9262
2.581		21044	14065
2.632		178209	470775
2.696		150502	249723
2.728		165613	281223
2.765		105404	74554
2.783		16152	9204
2.814		41503	30375
2.845	TCX	32305370	22159240
2.928		27606	11710
2.972		157824	132688
2.993		21274	8890
3.015		28237	25837
3.072		419328	312470
3.126		8871	5530
3.172		5248	4801
3.193		93354	63398
3.224		77467	273016
3.297		24405	60009
3.305		23924	29942
3.352		14983	10538
3.379		37063	52309
3.429		11421	12166
3.46		12620	12721
3.484		21706	13665
3.512		76534	89010
3.548		64708	54825
3.565		570010	433850
3.609		29300	29897
3.636		8869	5852
3.695		11218	5483
3.711		26776	17286
3.74		17081	11507
3.831		108241	390127
3.889		21995	29191
3.971		209794	432461
4.008		180389	434263
4.084		149539	300374
4.118		15915	9936
4.14		8878	4638
4.162		31969	52423
4.211		48106	87703
4.269		28581	43610
4.349		77460	74144
4.376		44344	58676
4.414		27408	25394
4.435		127159	386341
4.492		133199	218969
4.518		9445	5071
4.547		706282	1093360
4.626		34819	23470
4.667		39948	95795
4.698		15976	14990

ASX67 B651

RT B	Compound B	Height B	Area B
4.727		10905	5314
4.752		12182	8729
4.802		28825	36976
4.873		177299	360895
4.937		157251	406003
5.009		63770	171284
5.059		48544	130577
5.125		94587	122977
5.177		108869	237532
5.236		64672	143458
5.285		13336	4314
5.337		47774	94800
5.401		476592	1206326
5.478		156509	612331
5.506		299047	590987
5.598		22032	32218
5.796		386375	2675657
5.905		248386	403163
5.989		15378	22102
6.043		28273	180429
6.29		8533	9194
6.329		132954	149003
6.491	DCB	19038670	21515260
6.908		17900	16901
7.043		11114	75889
7.27		6928	3826
7.362		24172	46053
7.523		5925	5642
7.594		11855	14938
7.922		9962	12067
8.034		7121	9586
8.136		5628	3553
8.673		15723	35527

IBLKX1224C JQPIBLKJQ PIBLK1219199999 SW-846 8082

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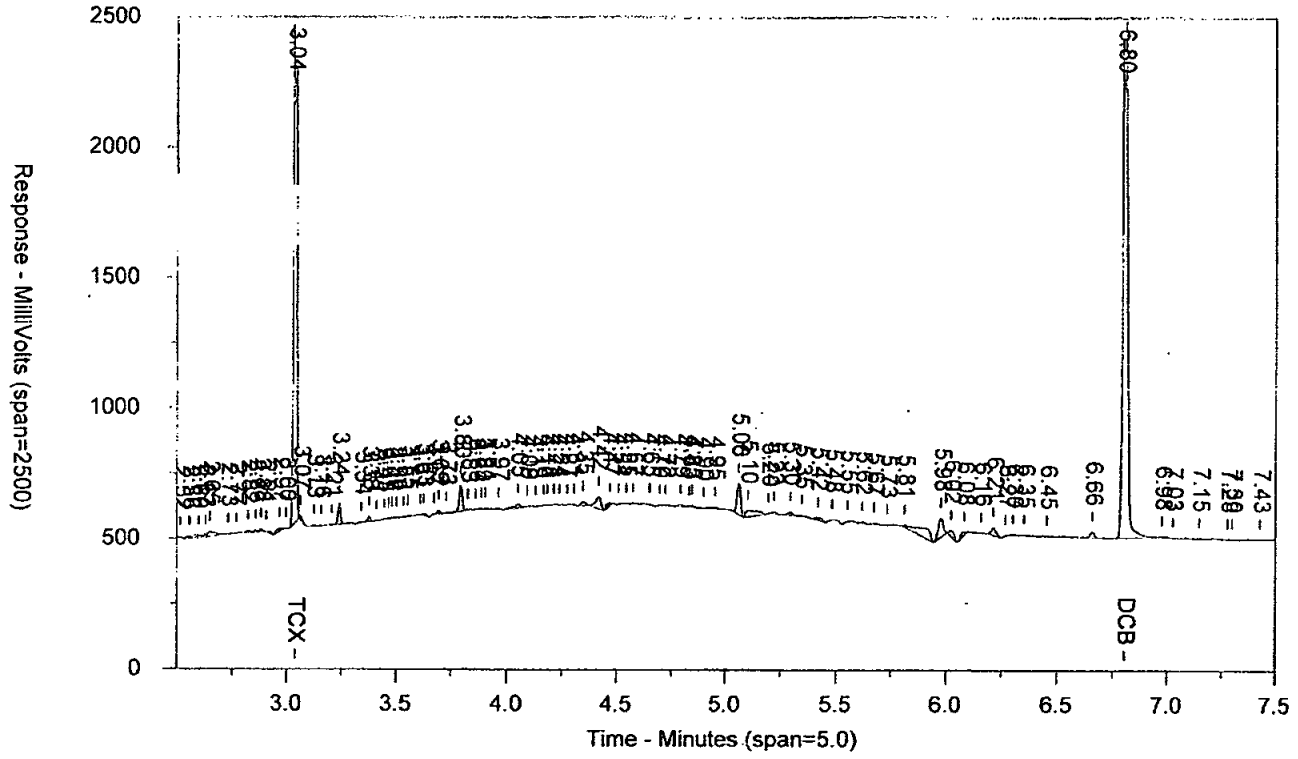

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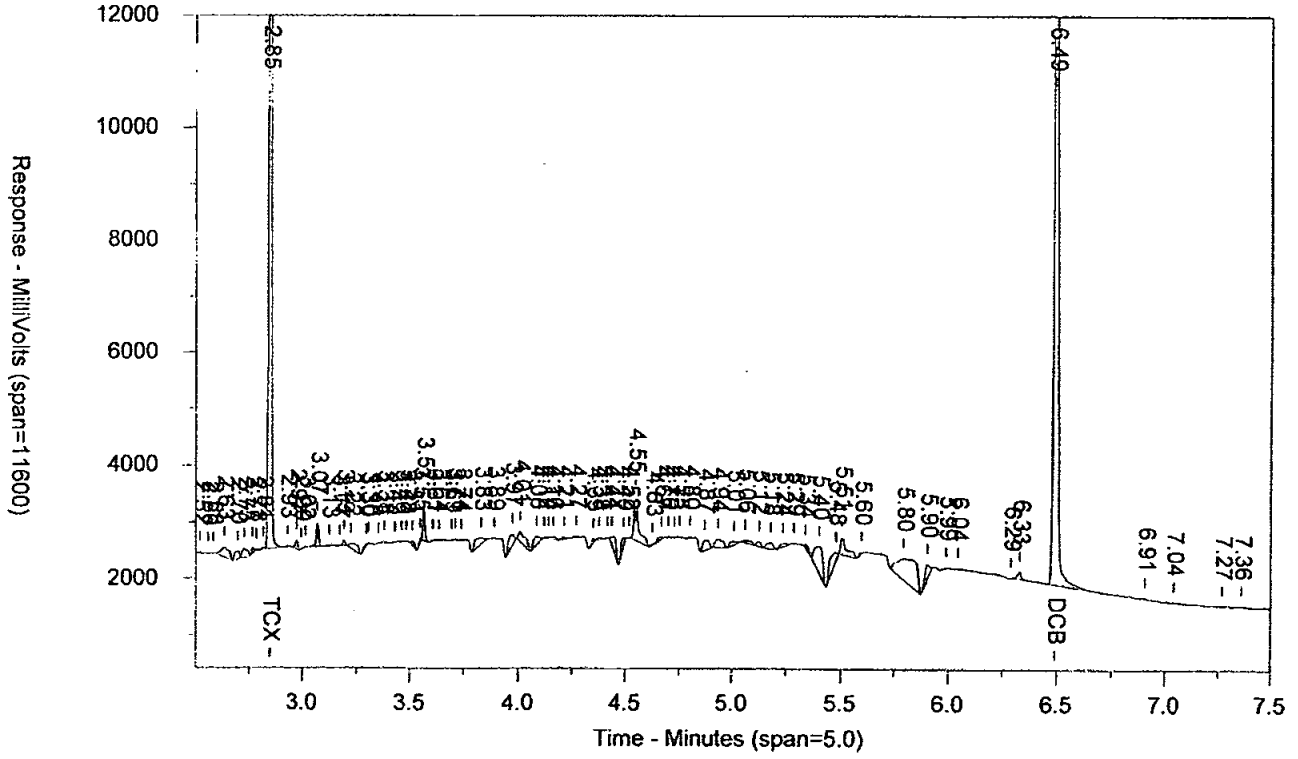

ASX67 0653

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JQPIBLKJQ PIBLK1219199999 Sample WeightSW0806 8082
Injected On: 7/10/2012 10:36:48 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	5329276	.206	TCX	2.845	32305370	.216	TCX
6.805	2700769	.187	DCB	6.491	19038670	.182	DCB

Files:
Area File: 5p20188.0026.RAW
Area File: 5p20188B.0026.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 10:45:31 PM
File Reported On: 7/10/2012 at 10:45:36 PM

IBLKX1224C JQPIBLKJQ PIBLK1219199999 SW-846 8082

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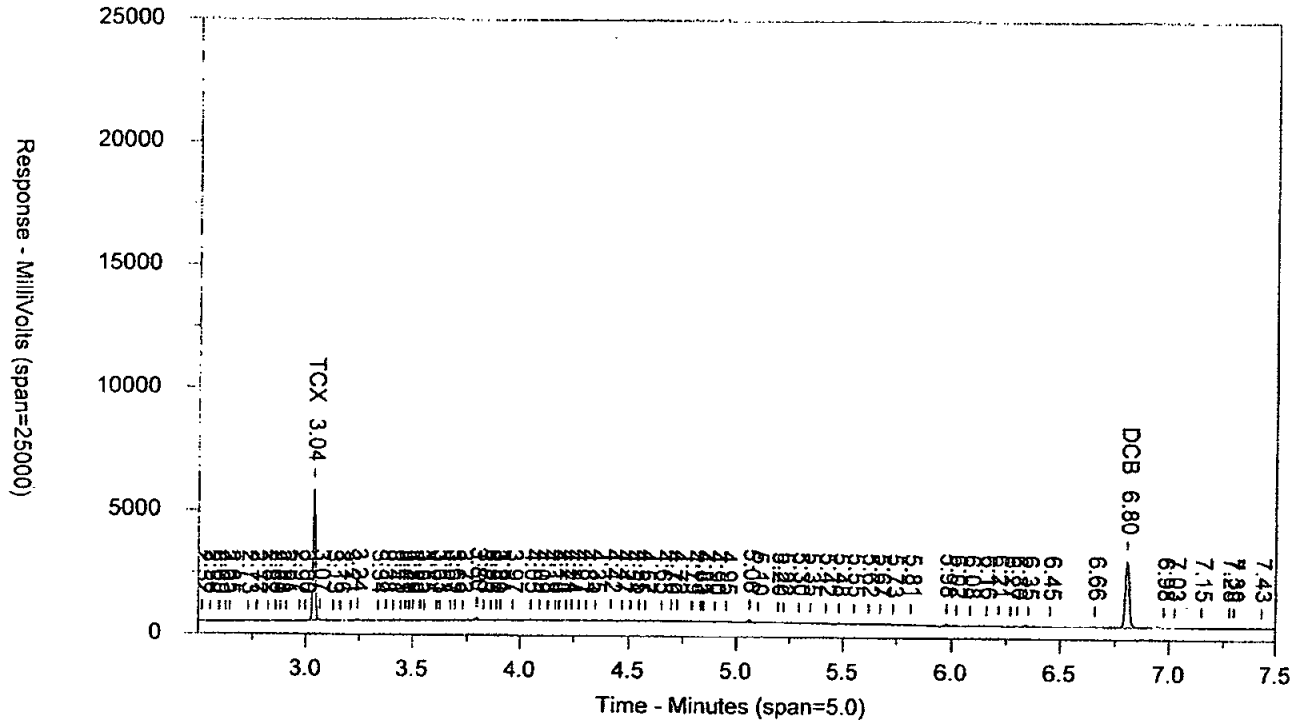

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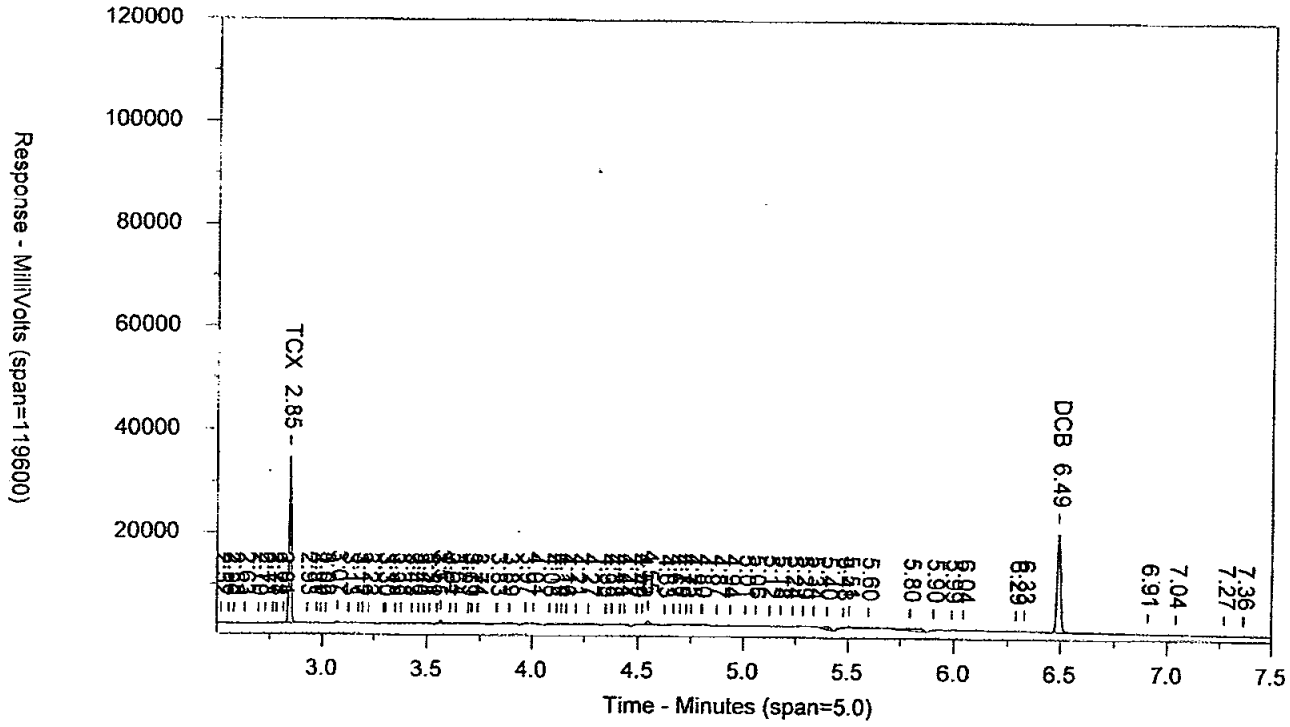

ASX67 0655

LANCASTER LABORATORIES

Sample Number: AR1631224B SKAR163SK CCAL 1219299999 Injection Volume: 1 ul
Injected On: 7/11/2012 3:06:03 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0005.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.528		2523	1721
2.586		4388	5138
2.644		8333	7900
2.666		12415	11230
2.696		2786	1889
2.749		2045	1104
2.791		1238	1220
2.822		5131	5030
2.859		4649	5032
2.881		5040	2947
2.909		5846	10214
2.952		10112	6933
2.969		2336	1478
2.996		4168	3473
3.038	TCX	10412970	7931368
3.127		1985	980
3.158		1672	931
3.192		159787	146570
3.249		258261	280357
3.3		925736	749087
3.377		20934	11368
3.396		105474	75722
3.439		3571	2820
3.481		2583	1623
3.52		865820	602362
3.537		378609	213148
3.575		118044	77732
3.591		15464	5595
3.607		84812	50439
3.638		1165626	1004339
3.675		5714	3473
3.696		18899	11861
3.714		31009	19116
3.751		246469	163883
3.766		99606	58205
3.815		272971	253691
3.826		1061804	672491
3.866		1352426	1243500
3.927		1196987	1134453
3.968		90007	65615
3.997		769869	646002
4.026		549930	507865
4.047		122735	80565
4.127		871013	735397
4.152		276752	209708
4.184		333283	272064
4.222		947610	1072426
4.262		308010	284416
4.311		47690	44827
4.352		52731	49237
4.387		805818	719038
4.407		147069	83985
4.432		245211	189592
4.476		1369	3698

ASX67 0656

RT A	Compound A	Height A	Area A
4.503		136721	132143
4.548		901026	1068756
4.648		6374	8444
4.692		40293	42963
4.764		365889	583094
4.81		516022	566613
4.859		953678	1206753
4.898		170374	130704
4.939		1897230	2130519
5.031		284034	339695
5.063		58600	43993
5.09		361919	368973
5.143		2474220	3478234
5.195		452649	443839
5.237		1154843	1491284
5.317		184183	228435
5.352		2641050	3193106
5.416		1518327	1659457
5.46		882382	987572
5.558		86467	95687
5.581		1268725	1358457
5.64		708817	794163
5.679		357221	381586
5.721		73845	74519
5.762		582422	621995
5.82		3750097	4745906
5.972		17653	28215
6.026		2024077	2307935
6.078		596346	1151425
6.215		114961	145423
6.277		28191	27543
6.3		354443	360228
6.394		2903	3610
6.458		841727	990431
6.504		47034	49029
6.661		305980	367058
6.81	DCB	4729047	6279667
6.984		20227	32604
7.052		1550	1149
7.154		4025	5733
7.226		5837	13018
7.3		2917	5124
7.415		4104	15798
7.525		1449	506
7.684		7231	14033
7.816		1271	569
7.881		2114	2742
7.94		5149	9694
8.026		976	657
8.08		1946	3847
8.153		1117	1120
8.214		1293	1300
8.28		1555	1926
8.327		1590	2081
8.418		1390	1252
8.435		1258	1093
8.506		1650	484

ASX67 0657

LANCASTER LABORATORIES

Sample Number: AR1631224B SKAR163SK CCAL 1219299999 Injection Volume: 1 ul
Injected On: 7/11/2012 3:06:03 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0005.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		43636	34269
2.576		30844	40283
2.63		101717	249990
2.69		61978	91066
2.726		74787	121541
2.765		39687	26494
2.786		10385	6936
2.811		17180	12357
2.845	TCX	62121900	42950690
2.889		323642	261196
2.945		8589	6410
2.971		22273	13635
2.986		31838	19693
3.019		861641	660741
3.05		12830	6387
3.073		156129	95260
3.082		523875	283901
3.137		4816428	3525130
3.193		167333	114036
3.227		12120	8193
3.253		582217	434410
3.312		12446	24333
3.351		6151431	7158401
3.405		737345	504346
3.428		281649	174969
3.453		460107	281864
3.479		5836265	4824532
3.515		183434	122709
3.563		1596679	980358
3.579		716160	360211
3.632		1969428	1399726
3.641		6196423	3397007
3.678		6879862	5799166
3.756		7119586	5398078
3.79		4230046	3025033
3.817		4304835	3021184
3.837		1276939	731710
3.897		12682	8110
3.931		5711228	4417978
3.957		2055916	1294235
3.979		1854598	1319626
4.013		700723	425890
4.031		4625139	3359670
4.078		1663864	1523073
4.125		199768	169043
4.149		1222426	832980
4.173		6341667	4921776
4.201		1345784	953334
4.223		69768	28708
4.24		625729	454214
4.279		5317818	4634489
4.321		129858	98500
4.338		262823	263141
4.41		13147	9564

RT B	Compound B	Height B	Area B
4.439		293335	410763
4.501		1238865	1278305
4.549		973895	695372
4.578		5732824	5786148
4.608		2190641	2523465
4.663		12631120	12046690
4.712		166055	126483
4.738		889914	652303
4.764		3007863	2755526
4.809		19402500	19016190
4.877		26093	52315
4.922		14383960	14788680
4.982		1209471	1148970
5.02		3871135	3853974
5.059		14314860	14234730
5.092		10292380	9063234
5.133		6444829	5930244
5.239		2264881	2695868
5.29		10490190	9955765
5.317		748501	493390
5.366		5182566	5435589
5.403		2266448	1998975
5.425		678636	463444
5.484		28045870	29852900
5.525		424394	363170
5.562		790922	770797
5.596		32536	49964
5.677		87717	87713
5.7		5341384	5173573
5.748		13711320	17316580
5.904		690334	817741
5.945		345405	307344
5.973		133886	110894
6.023		2338427	2419214
6.127		5172066	5160244
6.158		153964	115082
6.33		1678682	1813052
6.494	DCB	32616090	35441300
6.841		31227	29643
6.909		86107	132492
7.08		11043	19039
7.371		34737	48263
7.527		8531	9667
7.595		12577	17391
7.722		3442	3765
7.769		4635	4733
8.374		4698	5119

AR1631224B SKAR163SK CCAL 1219299999

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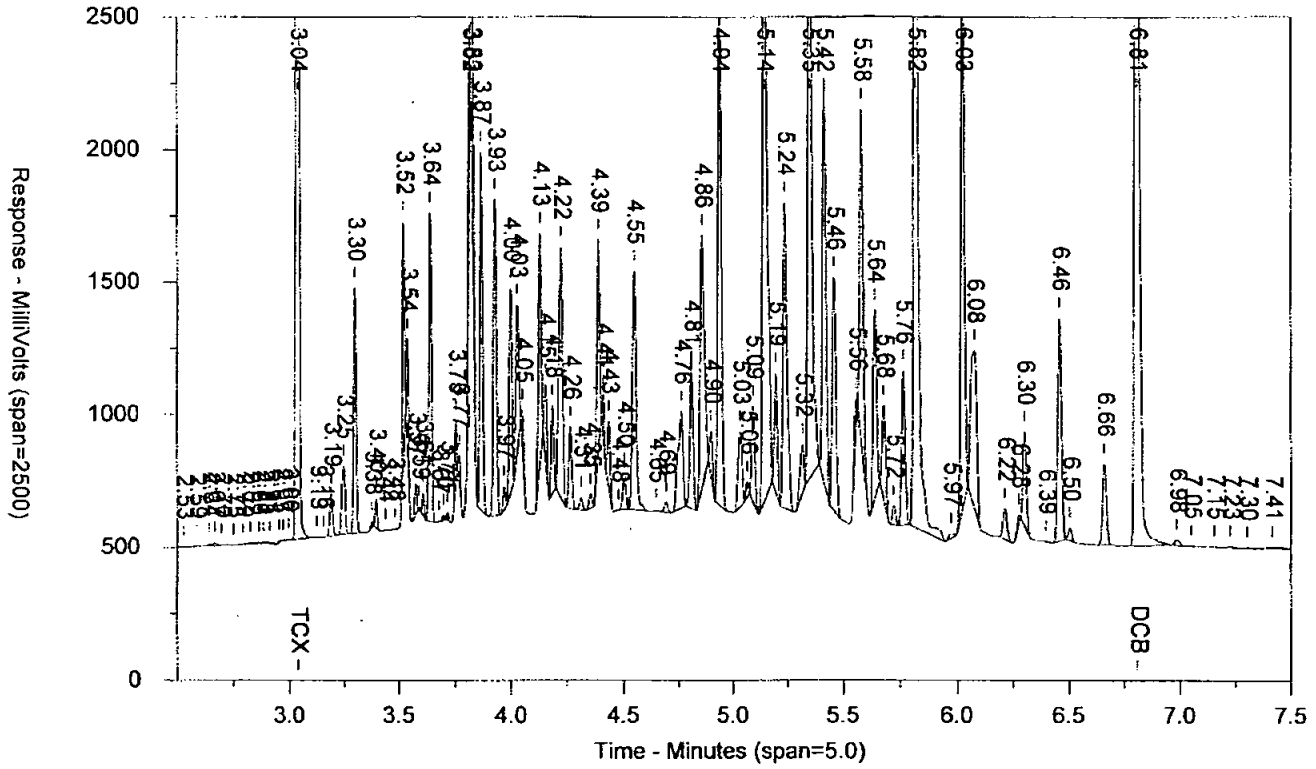

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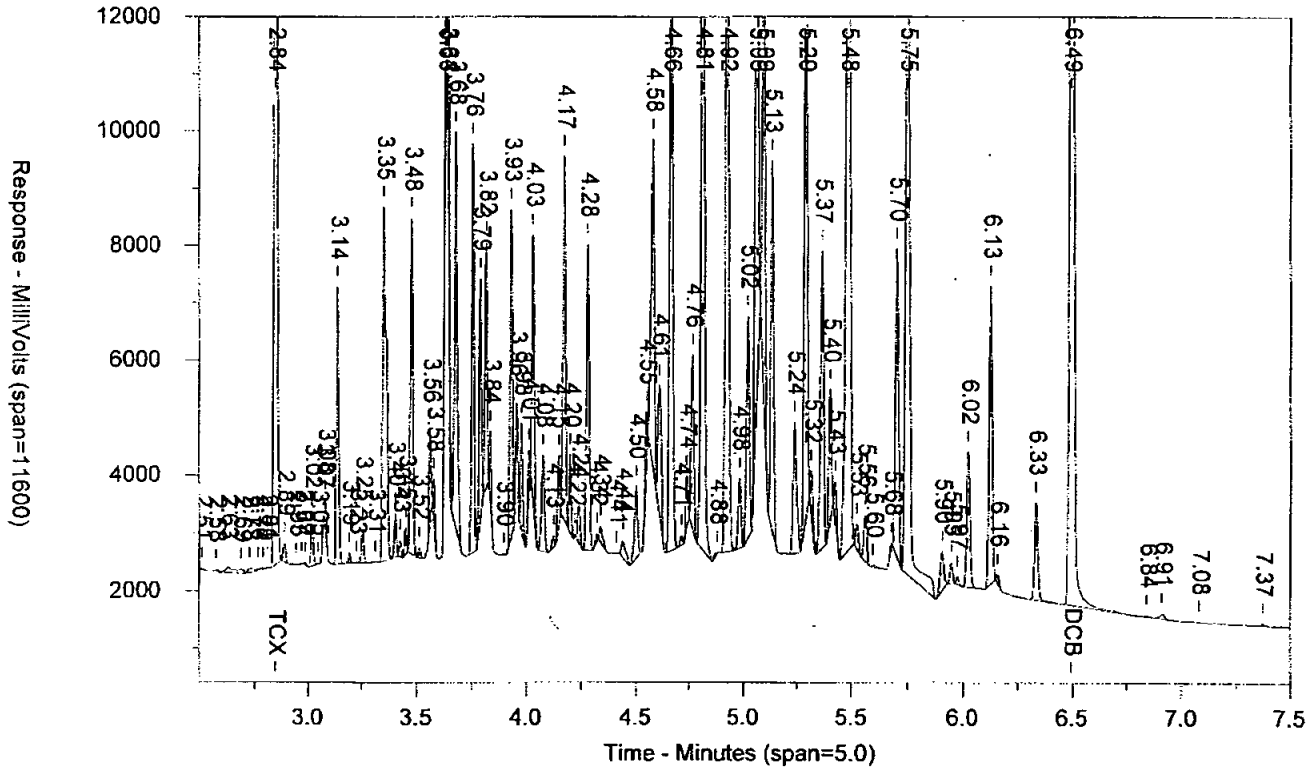

ASX67 0660

LANCASTER LABORATORIES

Sample Number: AR1631224B SKAR163SK CCAL 1219299999 Sample Weight: 1
Injected On: 7/11/2012 3:06:03 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	10412970	40.329	TCX	2.845	62121900	41.538	TCX
6.81	4729047	32.828	DCB	6.494	32616090	31.163	DCB

Files:
Area File: 6p20188.0005.RAW
Area File: 6p20188B.0005.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 3:14:45 PM
File Reported On: 7/11/2012 at 3:14:50 PM

AR1631224B SKAR163SK CCAL 1219299999

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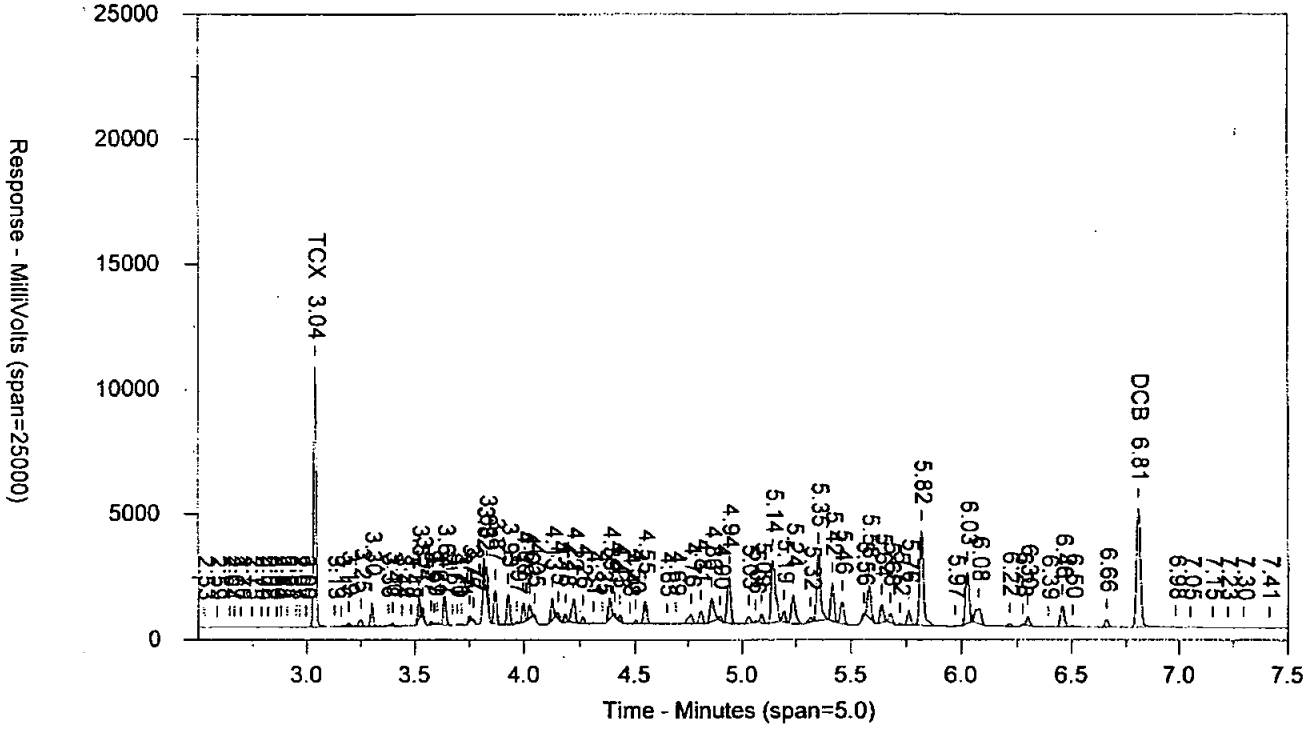

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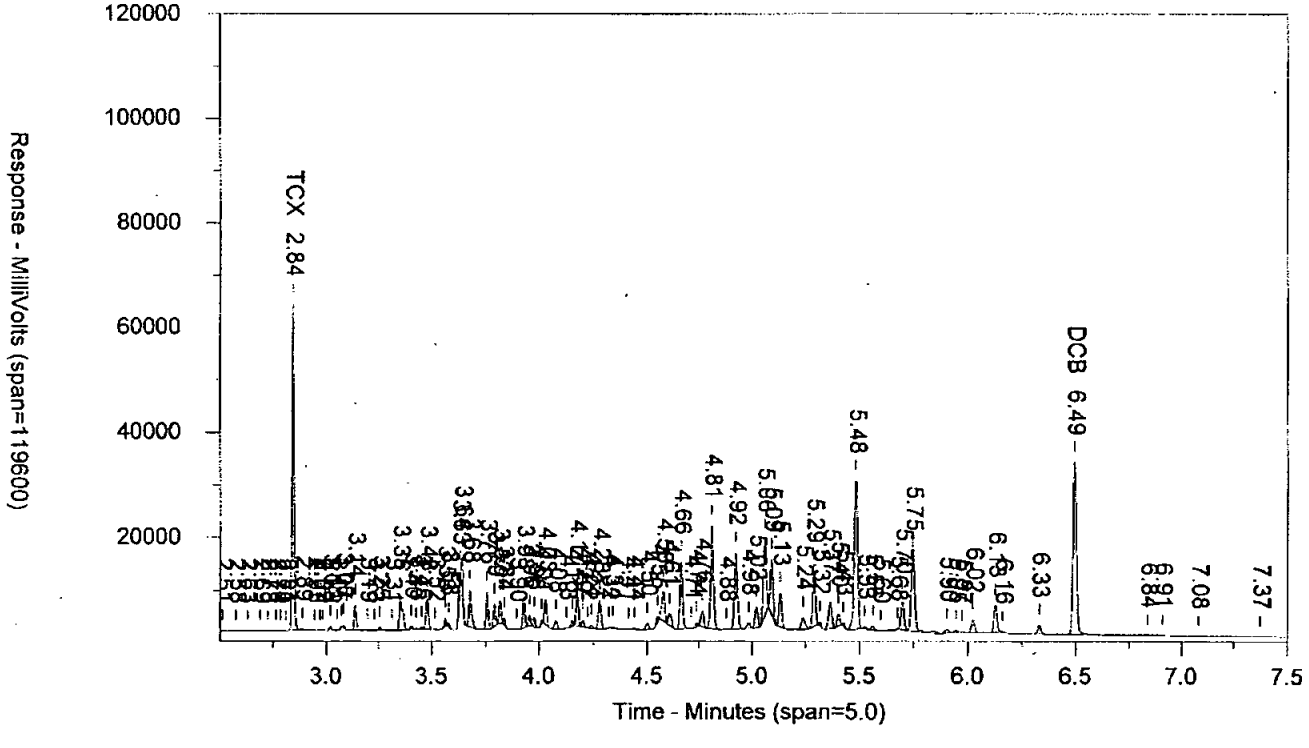

ASX67 0652

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JWPIBLKJW PIBLK1219299999 Injection Volume: 1 ul
Injected On: 7/11/2012 3:17:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0006.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.554		18038	29248
2.586		17617	25208
2.646		15984	49579
2.699		7827	10138
2.718		4954	4503
2.748		3249	2939
2.798		1307	1210
2.82		3572	4041
2.882		3226	3584
2.98		1822	16275
2.99		2558	2876
3.038	TCX	5427730	4194273
3.127		8338	6914
3.166		1299	1135
3.188		1842	1323
3.203		1559	782
3.243		83245	64624
3.276		4973	13963
3.335		3829	6141
3.377		25982	23781
3.415		4495	7624
3.441		2448	1692
3.462		1455	944
3.476		2125	1246
3.494		2246	1214
3.525		1769	2159
3.564		4352	5334
3.634		19941	47477
3.696		19562	32265
3.728		2530	1706
3.75		1431	1153
3.797		142951	126570
3.831		2310	808
3.858		3843	3710
3.888		3333	2627
3.908		2341	1190
3.927		5951	30505
4.021		3482	14017
4.037		6118	8665
4.093		1396	808
4.126		2908	1609
4.166		2101	975
4.209		1814	1600
4.236		4878	6627
4.281		13640	38924
4.353		19697	32154
4.391		2666	1180
4.423		44898	53339
4.471		13772	28632
4.51		1759	458
4.546		5726	5752
4.578		2256	1121
4.648		10792	12212
4.704		7649	6779

ASX67 8663

RT A	Compound A	Height A	Area A
4.795		25965	29405
4.852		4051	4705
5.064		161477	192584
5.104		13655	20644
5.14		5035	8684
5.224		9275	12691
5.294		16948	22781
5.351		11044	19016
5.423		17598	37781
5.479		7036	10639
5.555		4615	7151
5.614		5186	8447
5.664		5287	16390
5.731		2172	2019
5.754		3532	6596
5.815		9817	13385
5.897		7216	39620
5.977		18972	37174
6.027		33922	58813
6.08		23380	58090
6.216		29860	43639
6.319		20925	85945
6.459		4904	6380
6.581		11176	23192
6.661		23066	27590
6.759		1321	952
6.811	DCB	2556289	3391331
6.984		3176	4167
7.02		1438	727
7.101		7591	14875
7.221		3570	7187
7.395		5072	11610
7.692		2942	3070
7.885		1763	459
7.947		2756	4061
7.977		1387	878
8.03		1411	658
8.061		4176	7972
8.269		945	1126
8.286		977	540
8.326		1958	1305
8.399		1234	657
8.511		1434	794
8.534		1017	726
8.565		1491	864

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JWPIBLKJW PIBLK1219299999 Injection Volume: 1 ul
Injected On: 7/11/2012 3:17:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0006.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.562		11517	25434
2.607		79626	85895
2.631		202593	543717
2.693		242209	403223
2.725		174480	340491
2.765		81304	101606
2.812		21356	15443
2.845	TCX	31595590	21672980
2.931		45617	55578
2.966		153904	159885
3.016		123668	238912
3.052		21184	17390
3.072		399956	329785
3.177		11567	10431
3.194		84754	63382
3.231		17743	5174
3.243		115340	195392
3.307		56112	280893
3.35		19893	11819
3.374		29750	38815
3.44		23340	46198
3.476		9738	2397
3.509		106698	137105
3.567		980176	1169375
3.612		26440	27245
3.656		36590	39750
3.693		16936	18083
3.735		88779	575089
3.828		283463	870342
3.887		11684	18931
3.926		106551	87306
3.964		122514	196506
4.008		339996	834645
4.057		30184	14259
4.101		81102	331233
4.122		11729	4576
4.219		41356	59228
4.28		206904	733991
4.331		61832	34117
4.383		128816	455177
4.418		29034	35386
4.446		95198	172126
4.492		189129	275814
4.518		8825	6264
4.548		996524	1791224
4.617		65282	44750
4.668		17308	208078
4.727		7168	4237
4.743		8936	6894
4.772		13263	4405
4.792		90564	82493
4.833		69068	76726
4.875		293730	426844
4.91		63075	44900

RT B	Compound B	Height B	Area B
4.959		167819	423873
5.009		68065	181327
5.059		40350	45177
5.087		34286	28947
5.125		97958	126524
5.172		217432	355817
5.208		52176	40682
5.258		67022	211121
5.288		70258	559896
5.388		359565	1145924
5.462		302738	540719
5.496		29115	20261
5.547		18107	105759
5.6		62715	117752
5.666		21693	306156
5.746		39455	28214
5.77		19572	14683
5.809		182438	1005976
5.906		288980	726616
5.979		38478	88823
6.03		15109	10335
6.061		17062	16430
6.121		16403	14325
6.275		19883	20172
6.331		108718	124090
6.493	DCB	15160000	17230420
6.731		48182	92018
6.844		14284	16931
6.907		12643	13019
6.948		36124	65141
7.087		9753	18925
7.19		30306	78101
7.369		17817	23104
7.474		24773	77480
7.672		6537	13145
7.784		14153	34408
7.932		15944	36430
7.981		3826	3206
8.172		10106	20211
8.275		5696	6228
8.564		3431	5925

ASX67 8666

IBLKX1224C JWPIBLKJW PIBLK1219299999

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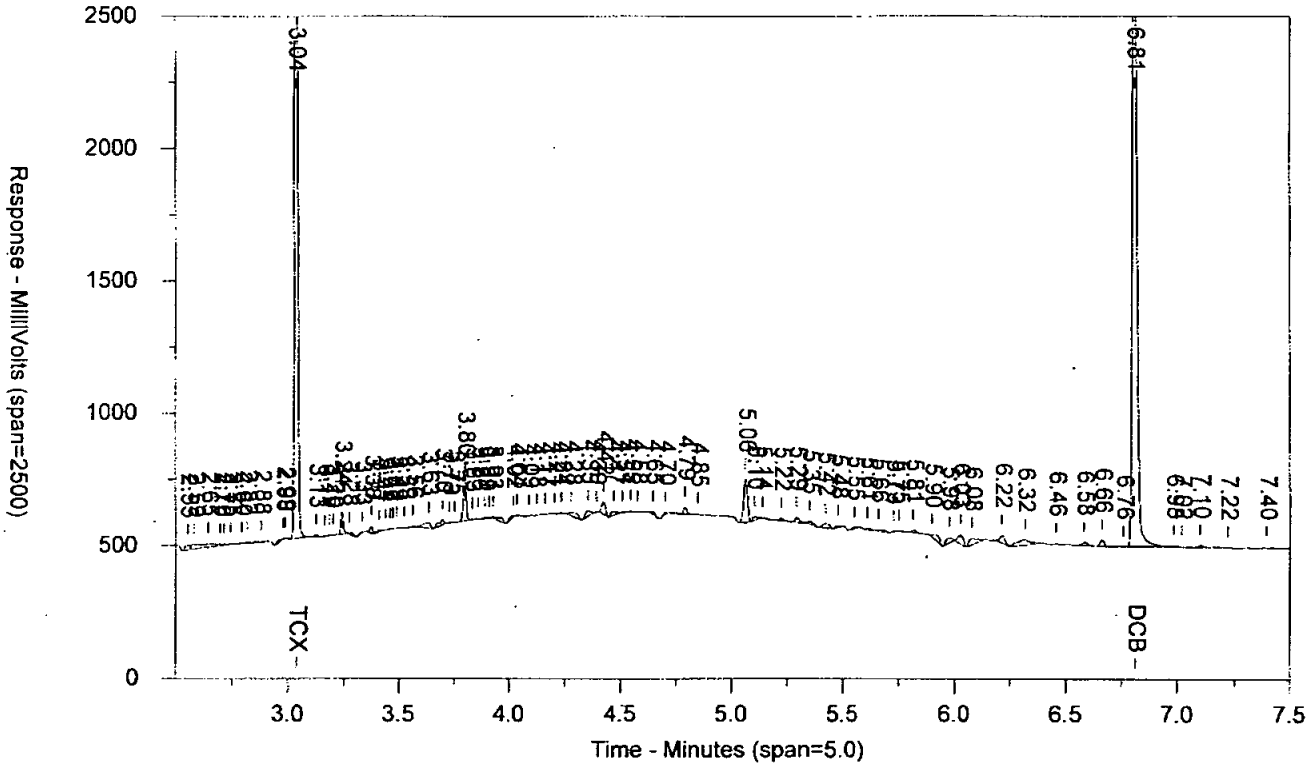

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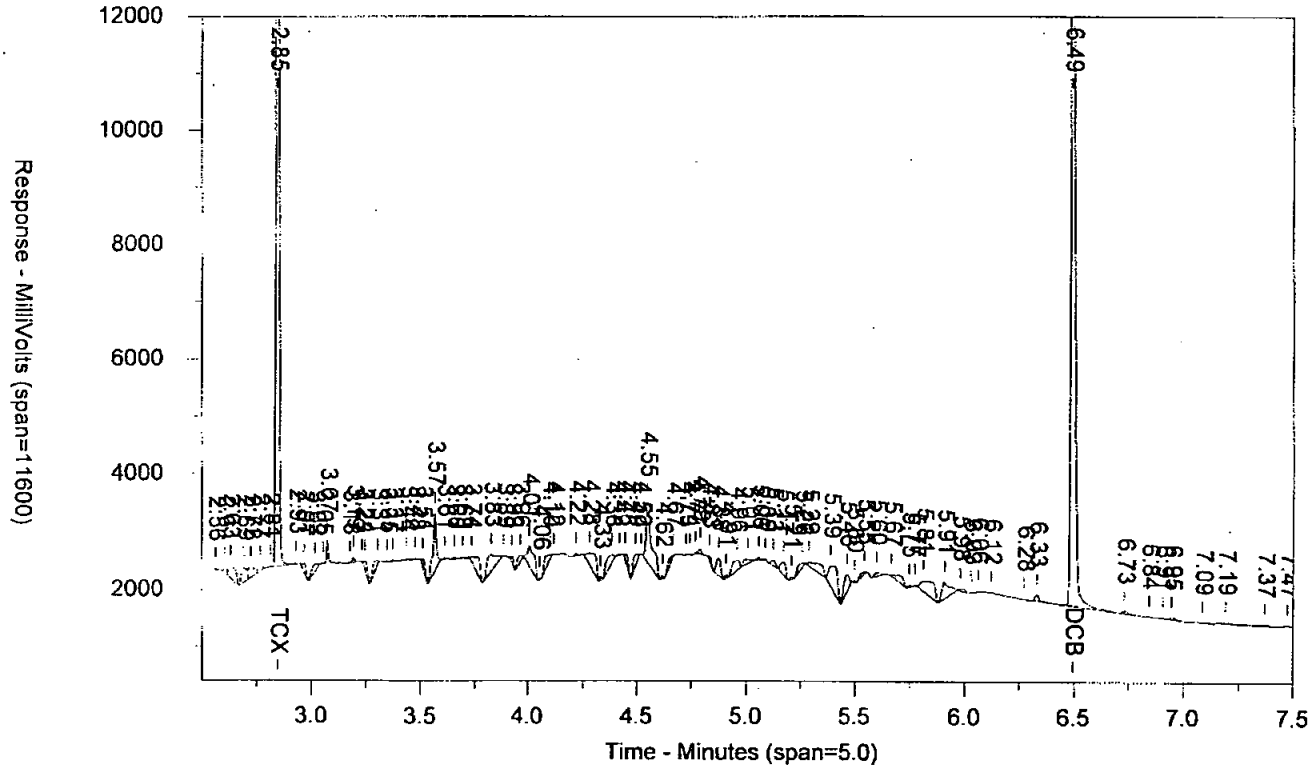

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JWPIBLKJW PIBLK1219299999 Sample Weight: 1000
Injected On: 7/11/2012 3:17:26 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	5427730	.21	TCX	2.845	31595590	.211	TCX
6.811	2556289	.177	DCB	6.493	15160000	.145	DCB

Files:
Area File: 6p20188.0006.RAW
Area File: 6p20188B.0006.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 3:26:09 PM
File Reported On: 7/11/2012 at 3:26:16 PM

IBLKX1224C JWPIBLKJW PIBLK1219299999

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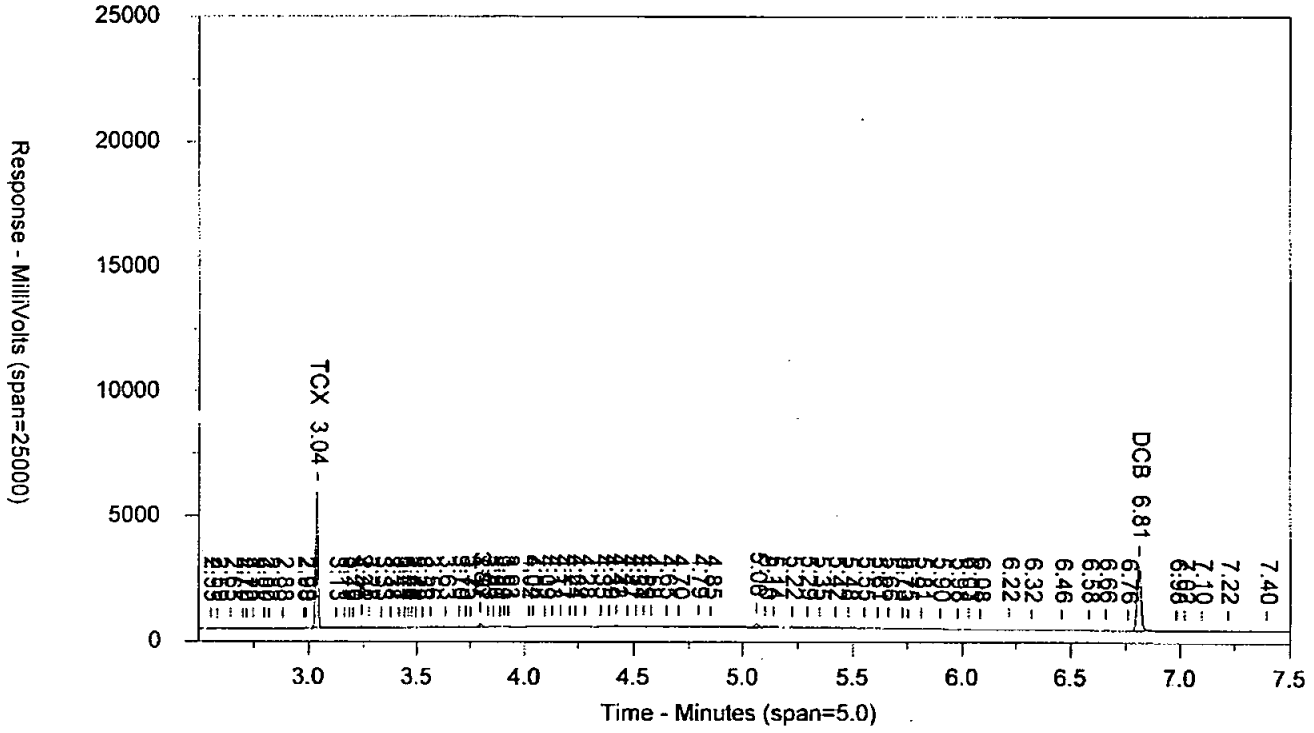

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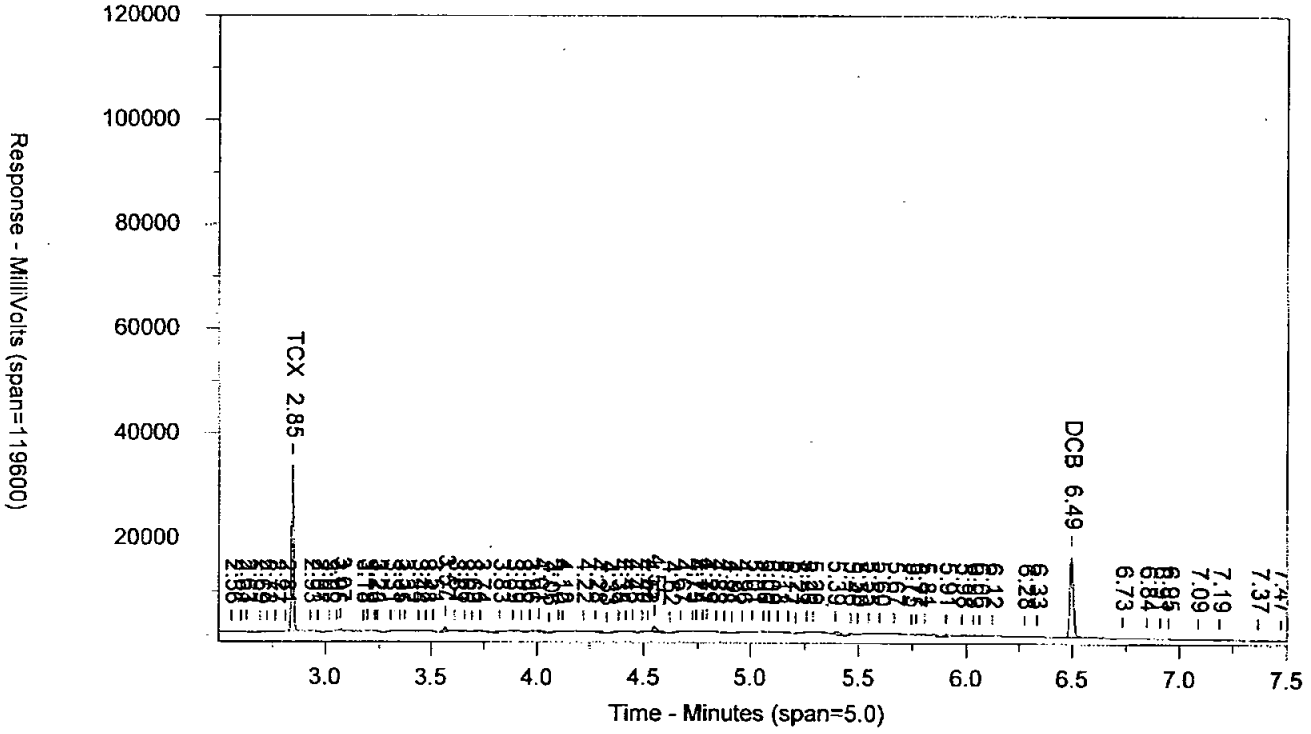

ASX67 0669

LANCASTER LABORATORIES

Sample Number: AR1631224B SLAR163SL CCAL 1219299999 Injection Volume: 1 SW-846 8082
Injected On: 7/11/2012 5:24:19 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0017.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.524		2217	1705
2.587		2835	2923
2.645		9128	7077
2.665		11951	13310
2.701		2350	1413
2.753		27434	20456
2.822		3335	3958
2.862		2188	1380
2.884		3803	2259
2.953		5457	4355
2.974		2119	1461
2.993		3919	2932
3.038	TCX	10322720	8012508
3.128		2983	2508
3.192		161346	148580
3.248		262641	284637
3.299		946177	757573
3.375		29397	17226
3.394		112973	75873
3.437		4785	4059
3.483		1544	1223
3.518		888398	605234
3.535		355907	208184
3.573		117354	79213
3.589		14457	5533
3.605		81968	51454
3.636		1172823	1014318
3.672		7874	5164
3.694		20910	13046
3.712		30576	19642
3.749		256774	171968
3.764		104165	60671
3.824		2254070	3396491
3.863		1354544	1255422
3.925		1233128	1138452
3.966		85113	65982
3.994		781652	647862
4.024		538388	493684
4.045		140902	83634
4.124		870204	749353
4.15		293855	214024
4.182		336494	274697
4.219		949366	1079254
4.261		286462	287167
4.308		46944	43491
4.35		63023	57487
4.385		838846	721108
4.404		154127	92367
4.43		236922	193414
4.475		1874	2693
4.501		135656	135945
4.545		912772	1022740
4.647		6981	6010
4.691		42394	43658

ASX67 0670

RT A	Compound A	Height A	Area A
4.762		375408	601703
4.808		507984	567478
4.858		944679	1222877
4.895		172865	138759
4.935		1905568	2165572
5.028		298651	369379
5.06		31229	20068
5.088		389259	405184
5.142		2490967	3568045
5.192		438605	442727
5.234		1169858	1519147
5.315		197059	229896
5.35		2685501	3292851
5.414		1567831	1705179
5.457		916904	1041773
5.556		68888	76888
5.579		1308637	1424012
5.637		759321	837731
5.677		399026	412159
5.718		81423	83503
5.761		581497	651292
5.817		3826107	4910898
5.976		91222	121733
6.024		1957686	2342852
6.069		612475	1190802
6.212		116201	138427
6.274		23797	23068
6.299		361261	375432
6.455		864497	1082051
6.502		47548	51486
6.601		1279	725
6.657		314434	386740
6.805	DCB	4887091	6519056
6.98		5088	6650
7.043		1766	879
7.144		6448	12316
7.223		5448	10744
7.3		2618	3111
7.514		80019	300387
7.685		5952	9069
7.892		2821	4113
7.927		1631	605
8.02		1116	661
8.307		1382	679
8.418		1711	2422
8.544		1791	1082
8.572		1118	194
8.606		2274	3716

LANCASTER LABORATORIES

Sample Number: AR1631224B SLAR163SL CCAL 1219299999 Injection Volume: 1 SW-846 8082
Injected On: 7/11/2012 5:24:19 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0017.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.512		42378	38851
2.559		14771	9949
2.582		181839	143910
2.631		70233	221183
2.726		51497	80155
2.768		27618	24763
2.798		7197	3759
2.845	TCX	63048160	43868270
2.888		332950	267912
2.929		14939	10261
2.956		8507	2506
2.968		24535	12733
2.986		81192	56911
3.019		861377	657777
3.072		217349	134819
3.082		497450	254655
3.137		4925637	3610187
3.193		174894	124641
3.225		25453	18204
3.253		589132	453493
3.297		28301	39934
3.35		6301018	7346008
3.404		740573	520075
3.427		298741	185012
3.452		482892	296310
3.478		6033345	4930348
3.514		170472	115955
3.562		1542681	962911
3.578		774108	415235
3.64		13906290	16154080
3.676		6912221	5944382
3.754		7195883	5505419
3.789		4305125	3076140
3.815		4503522	3099884
3.835		1280610	746622
3.889		43662	32829
3.929		5789990	4515754
3.955		1968475	1274327
3.978		1879214	1350545
4.012		773359	441578
4.029		4681872	3343646
4.076		1689458	1543789
4.124		182230	158542
4.148		1268437	853759
4.172		6309065	4990765
4.199		1377663	976029
4.222		69232	27568
4.239		639842	468512
4.278		5230272	4713370
4.32		140511	102935
4.337		276273	249051
4.403		18332	8187
4.438		327596	499840
4.499		1318737	1416492

RT B	Compound B	Height B	Area B
4.548		885481	634182
4.577		6006343	6098082
4.607		2286377	2562545
4.662		12951630	12354050
4.711		169404	127140
4.737		868101	661950
4.763		3207444	2782336
4.809		19843830	19297730
4.866		21930	19389
4.922		15054240	15550230
4.98		1591396	1557005
5.019		4219700	4079105
5.058		15197840	14783250
5.09		10662410	9661727
5.132		7025766	6602530
5.237		2415837	2891948
5.289		11387900	10729440
5.316		790037	531983
5.365		5874828	6329560
5.401		2341614	2011119
5.425		1249799	1004818
5.483		31276070	33129960
5.523		244663	180553
5.561		919252	877659
5.699		5695574	6452448
5.745		17392610	22202620
5.902		794044	907782
5.938		545019	485349
6.021		3067292	5612974
6.126		5542088	5590050
6.157		156327	122433
6.329		1857287	1977762
6.492	DCB	33350230	37637820
6.679		17885	20082
6.838		35412	54622
6.894		4723	5268
7.147		10870	34779
7.366		32604	49352
7.519		12275	15460
7.593		20380	27158
7.698		6310	12631
7.741		29438	50149
7.926		12484	22352
8.158		3324	2352
8.328		5298	1807
8.36		4571	4452
8.576		5005	1751

AR1631224B SLAR163SL CCAL 1219299999 SW-846 8082

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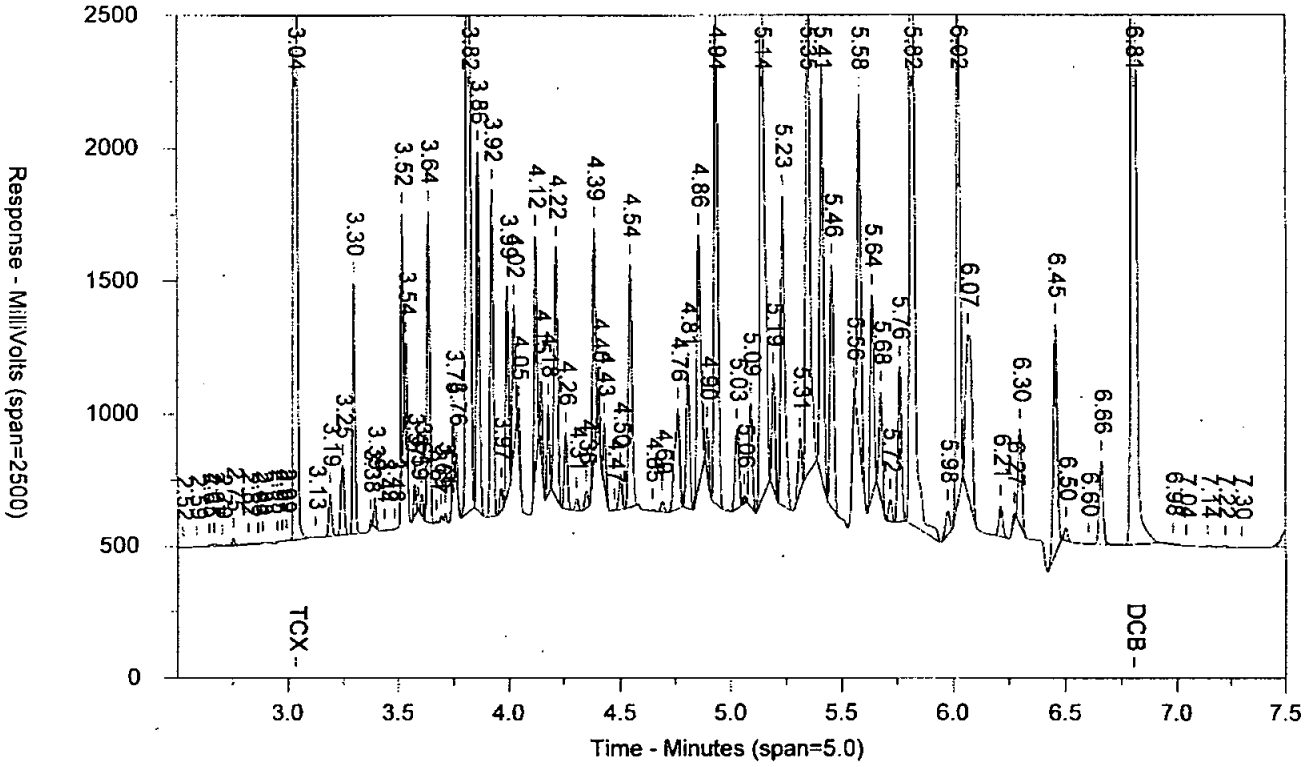

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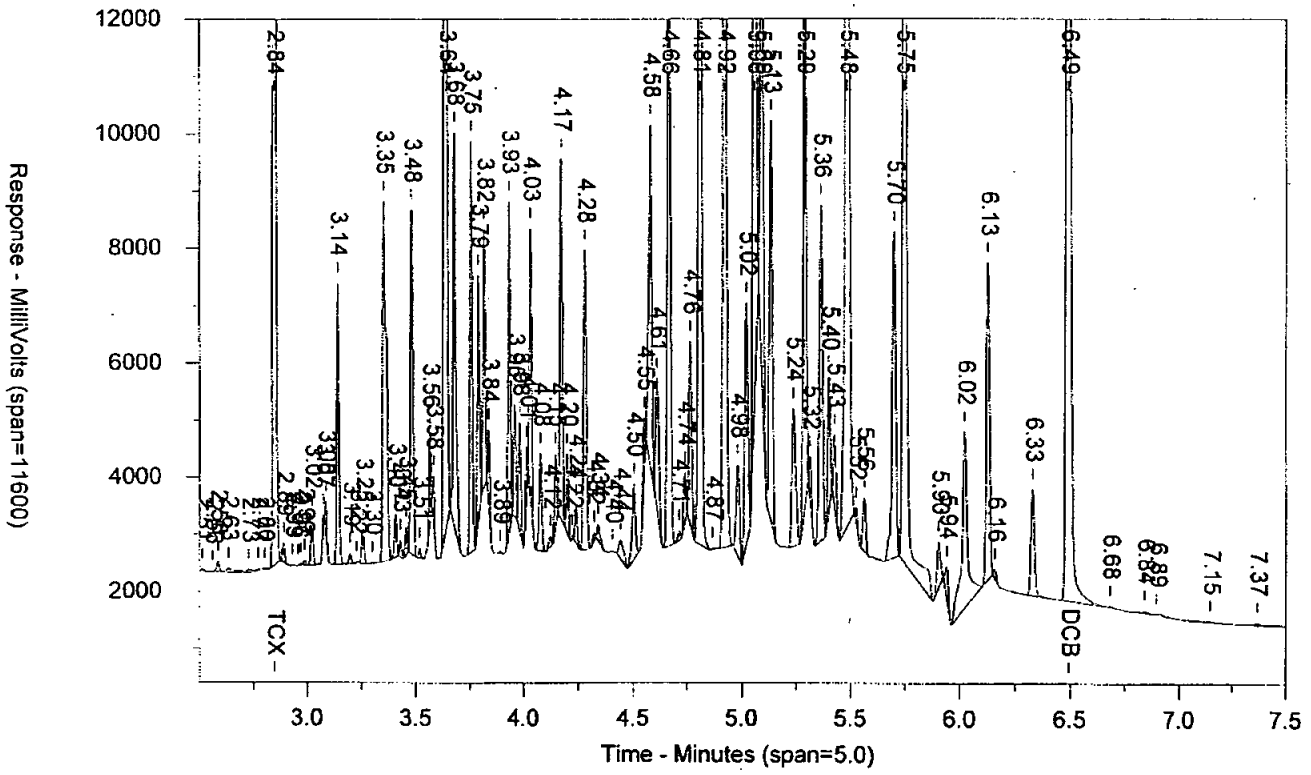

ASX67 0674

LANCASTER LABORATORIES

Sample Number: AR1631224B SLAR163SL CCAL 1219299999 Sample Weight: SW-846 8082
Injected On: 7/11/2012 5:24:19 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	10322720	39.979	TCX	2.845	63048160	42.157	TCX
6.805	4887091	33.925	DCB	6.492	33350230	31.865	DCB

Files:
Area File: 6p20188.0017.RAW
Area File: 6p20188B.0017.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 5:33:00 PM
File Reported On: 7/11/2012 at 5:33:06 PM

ASX67 0675

AR1631224B SLAR163SL CCAL 1219299999 SW-846 8082

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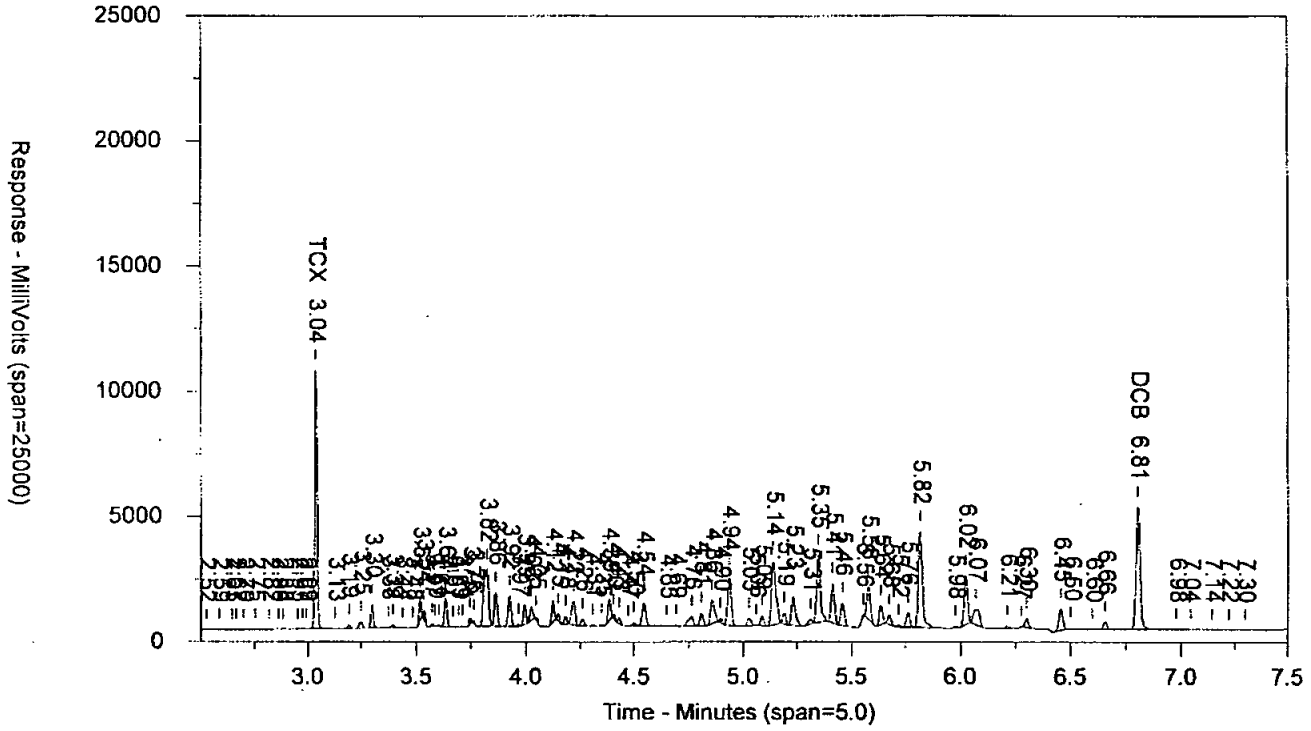

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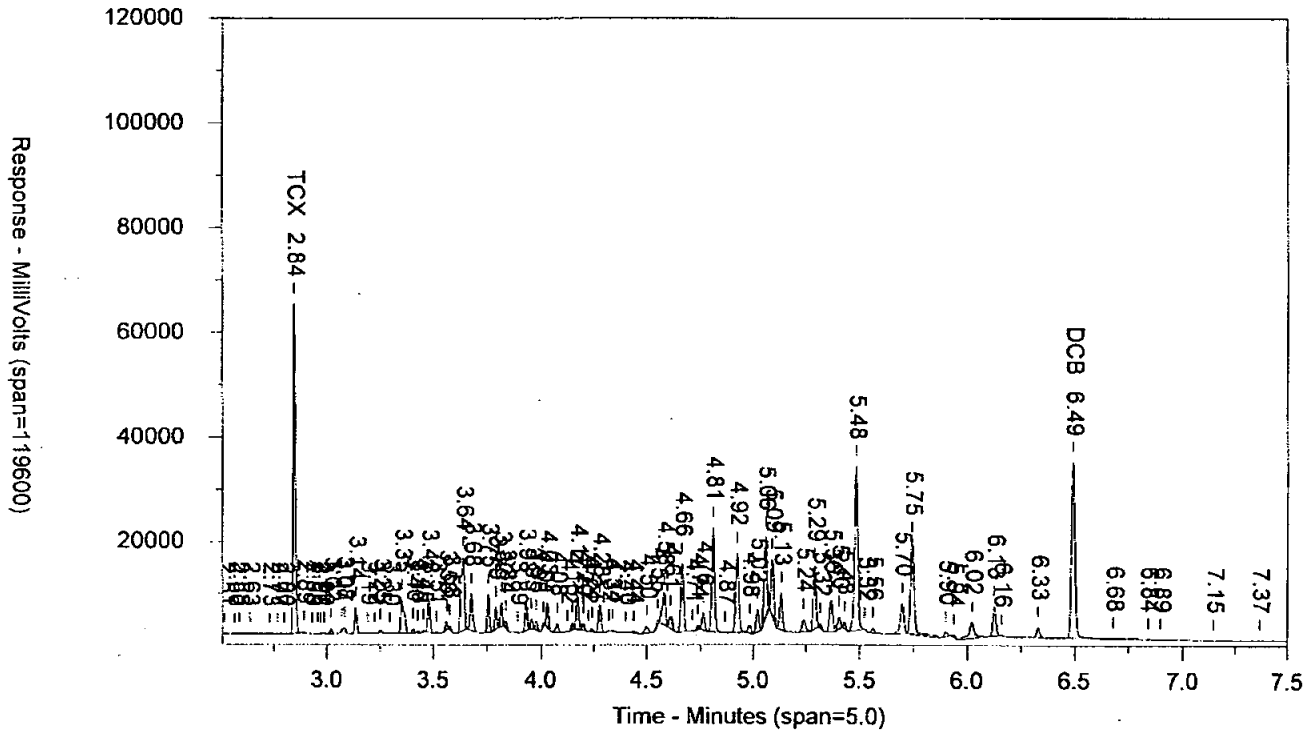

ASX67 0676

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JXPIBLKJX PIBLK1219299999 Injection Volume: SW-846 8082
Injected On: 7/11/2012 5:35:48 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0018.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.516		4025	2686
2.549		13268	14377
2.587		14325	39173
2.626		9749	8984
2.644		12630	20316
2.706		4150	6460
2.717		3894	4180
2.776		1750	3471
2.823		5529	5932
2.857		4019	3025
2.883		9854	8018
2.975		8807	19074
3.038	TCX	5473269	4207116
3.126		6973	5794
3.197		1606	413
3.242		84431	63457
3.332		6663	7705
3.375		34569	29215
3.423		1075	4607
3.443		2172	1606
3.497		5721	6366
3.565		2773	3623
3.601		2353	3193
3.62		1802	1404
3.672		10953	9074
3.693		13970	10389
3.723		3092	1981
3.745		1813	711
3.796		121797	118859
3.849		4467	6495
3.886		2238	1677
3.907		1703	1116
3.924		2956	1730
4.03		3414	22495
4.046		1774	795
4.1		3569	3203
4.133		2938	3025
4.17		2660	1375
4.187		3069	3199
4.236		3736	3938
4.277		1636	1122
4.35		24027	37556
4.418		54944	91433
4.483		10412	34129
4.517		2442	1755
4.543		5758	6949
4.572		4072	2117
4.596		1405	840
4.612		2441	1319
4.647		12843	14527
4.681		2188	1174
4.703		9116	11349
4.792		16279	17813
4.839		1769	3024

ASX67 0677

RT A	Compound A	Height A	Area A
4.888		2280	1463
4.959		1655	962
5.063		165799	196894
5.099		15539	21785
5.142		3934	6348
5.19		2171	1479
5.224		9055	14323
5.295		17231	23269
5.348		12793	25473
5.424		20678	40130
5.473		15828	50341
5.561		4175	10235
5.605		1751	559
5.659		1440	880
5.727		2213	1232
5.758		7323	12087
5.815		13769	19418
5.978		21854	43713
6.026		28896	50103
6.081		21515	59117
6.213		29560	45618
6.285		966	5902
6.312		4474	8915
6.451		7990	12039
6.543		1400	750
6.577		4499	7010
6.658		22837	27428
6.805	DCB	2613894	3472606
7.094		5995	11901
7.229		5926	12774
7.392		3766	6991
7.616		1403	832
7.689		4242	17366
7.811		1459	1262
7.888		1501	1339
7.942		2678	4000
8.012		1440	582
8.05		1523	1914
8.084		1557	1031
8.277		1487	732
8.349		1157	513
8.541		1055	1317
8.644		4123	17104

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JXPIBLKJX PIBLK1219299999 Injection Volume: SW-846 8082
Injected On: 7/11/2012 5:35:48 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0018.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.524		31967	60318
2.581		112661	194450
2.629		213657	709267
2.695		193258	304542
2.725		163293	318433
2.765		115805	137639
2.81		33206	22997
2.845	TCX	31266470	22059700
2.928		39646	52012
2.967		103912	85256
3.023		54288	168084
3.051		21880	16189
3.072		395832	298060
3.192		85399	66497
3.226		131202	434704
3.299		113964	263309
3.318		10440	9595
3.349		27764	19349
3.371		31501	50587
3.425		6263	4297
3.481		126575	634215
3.565		890393	1124682
3.613		11449	17933
3.653		30886	35274
3.697		18122	11364
3.74		10739	14299
3.824		271208	710027
3.88		89285	546465
3.984		32684	305463
4.007		315847	741305
4.108		161641	640103
4.156		34735	51616
4.221		24158	28752
4.258		12461	7306
4.281		8748	7523
4.304		252700	216075
4.33		40345	20442
4.383		156522	548611
4.427		29040	51599
4.447		138997	175793
4.491		145353	199672
4.513		13674	4037
4.548		1051001	1867967
4.613		51281	32355
4.675		68038	421253
4.75		8532	10738
4.774		26505	17259
4.789		50315	49565
4.831		85456	104890
4.873		312258	458701
4.909		46467	34636
4.961		181606	475824
5.029		5639	105625
5.056		66789	175666

RT B	Compound B	Height B	Area B
5.121		95678	144506
5.171		248070	430187
5.207		38407	26595
5.289		146238	865897
5.397		460606	1239268
5.462		426735	905714
5.548		192618	560343
5.603		91225	247593
5.694		74065	226237
5.743		62489	41653
5.768		7919	4660
5.82		22046	106683
5.834		109661	413236
5.904		398576	1106187
5.993		128828	260497
6.066		16489	35566
6.118		29832	234830
6.303		10162	12363
6.329		128570	135989
6.365		16424	23515
6.492	DCB	15696990	18083050
6.724		15392	28354
6.84		27590	42822
6.948		30250	57075
7.093		10309	16900
7.173		30786	117869
7.368		25718	44537
7.44		5684	1659
7.463		11482	18177
7.741		4276	2994
7.97		3569	49992
8.014		4341	2003
8.13		4707	2729
8.352		5087	10737
8.463		3459	1664
8.512		5341	6562

IBLKX1224C JXPIBLKJX PIBLK1219299999 SW-846 8082

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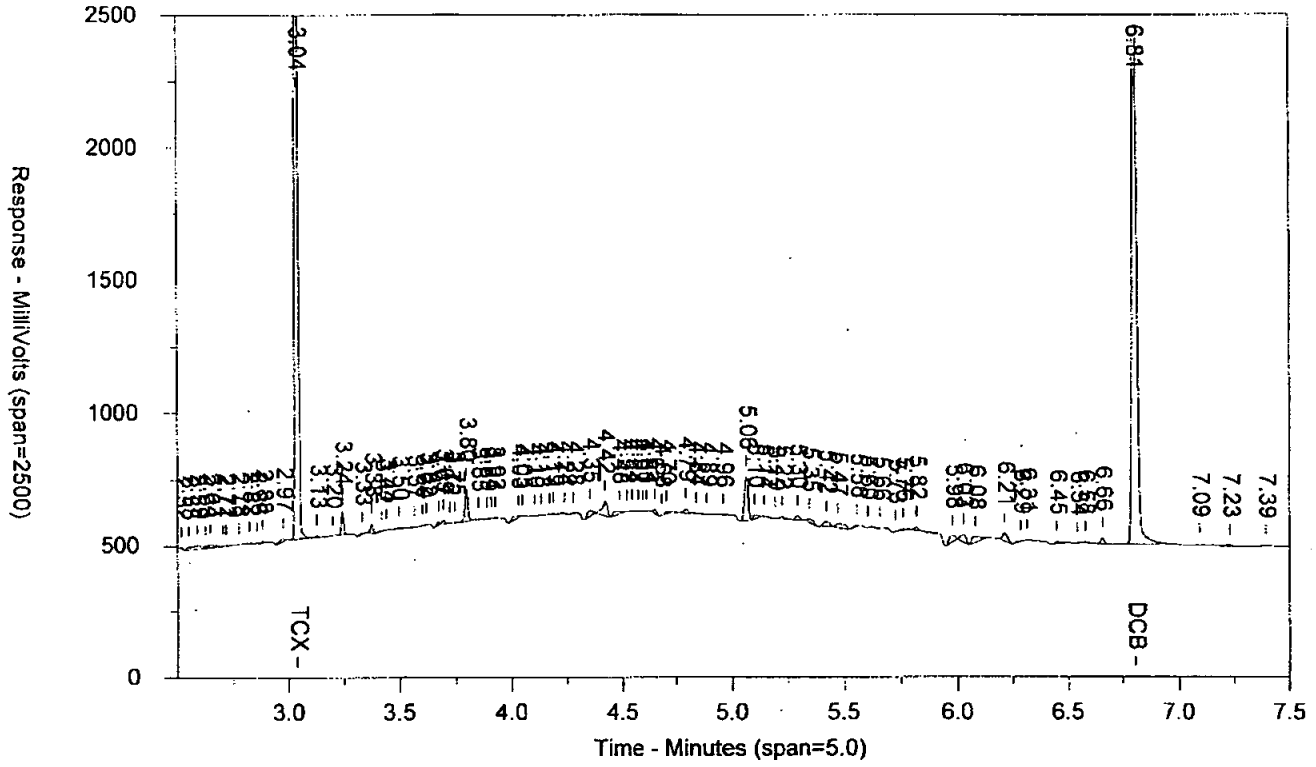

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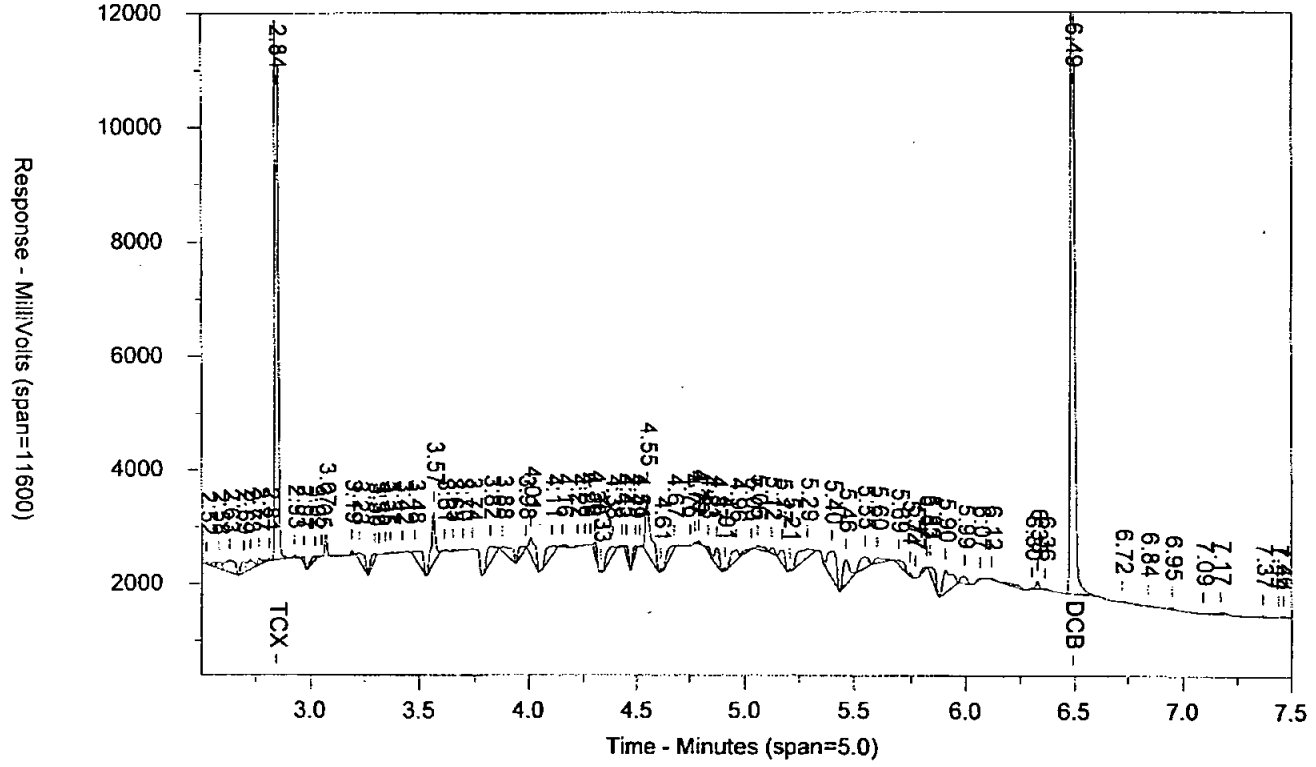

ASX67 0681

LANCASTER LABORATORIES

Sample Number: IBLKX1224C JXPIBLKJX PIBLK1219299999 Sample Weight: 8082
Injected On: 7/11/2012 5:35:48 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	5473269	.212	TCX	2.845	31266470	.209	TCX
6.805	2613894	.181	DCB	6.492	15696990	.15	DCB

Files:
Area File: 6p20188.0018.RAW
Area File: 6p20188B.0018.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 5:44:32 PM
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IBLKX1224C JXPIBLKJX PIBLK1219299999 SW-846 8082

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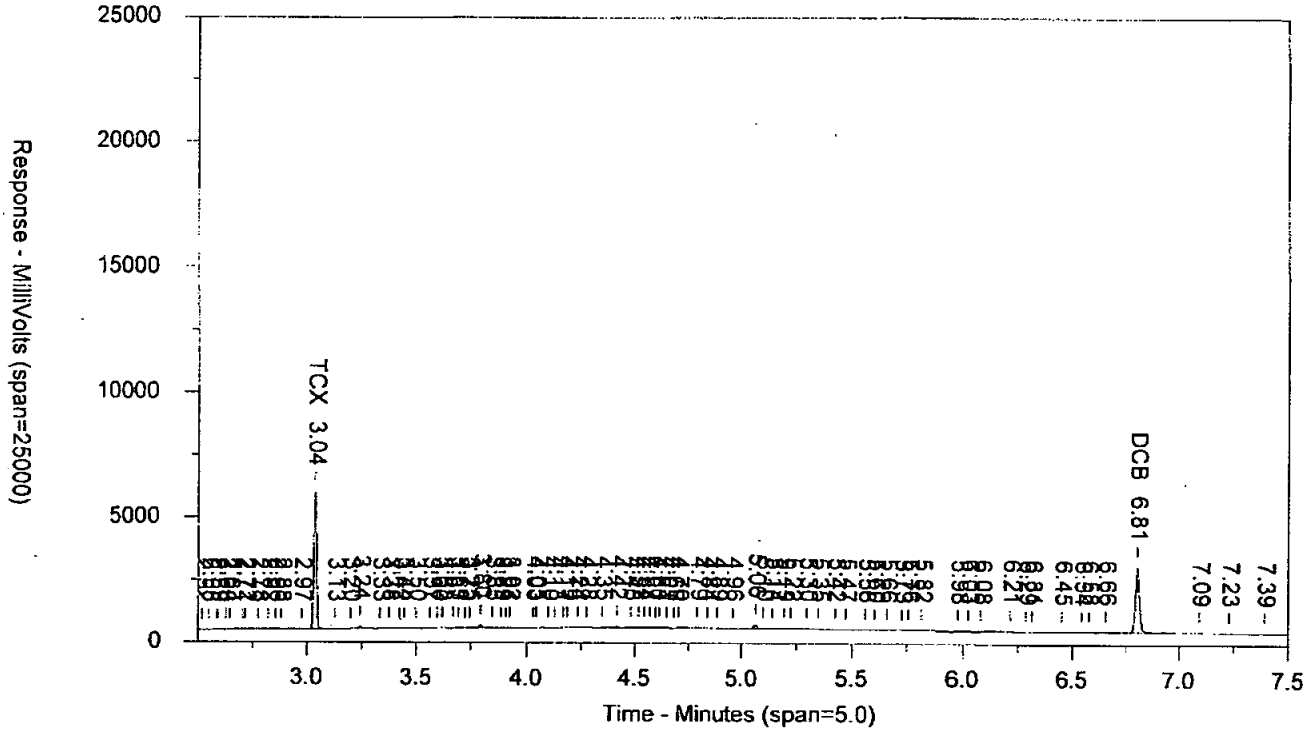

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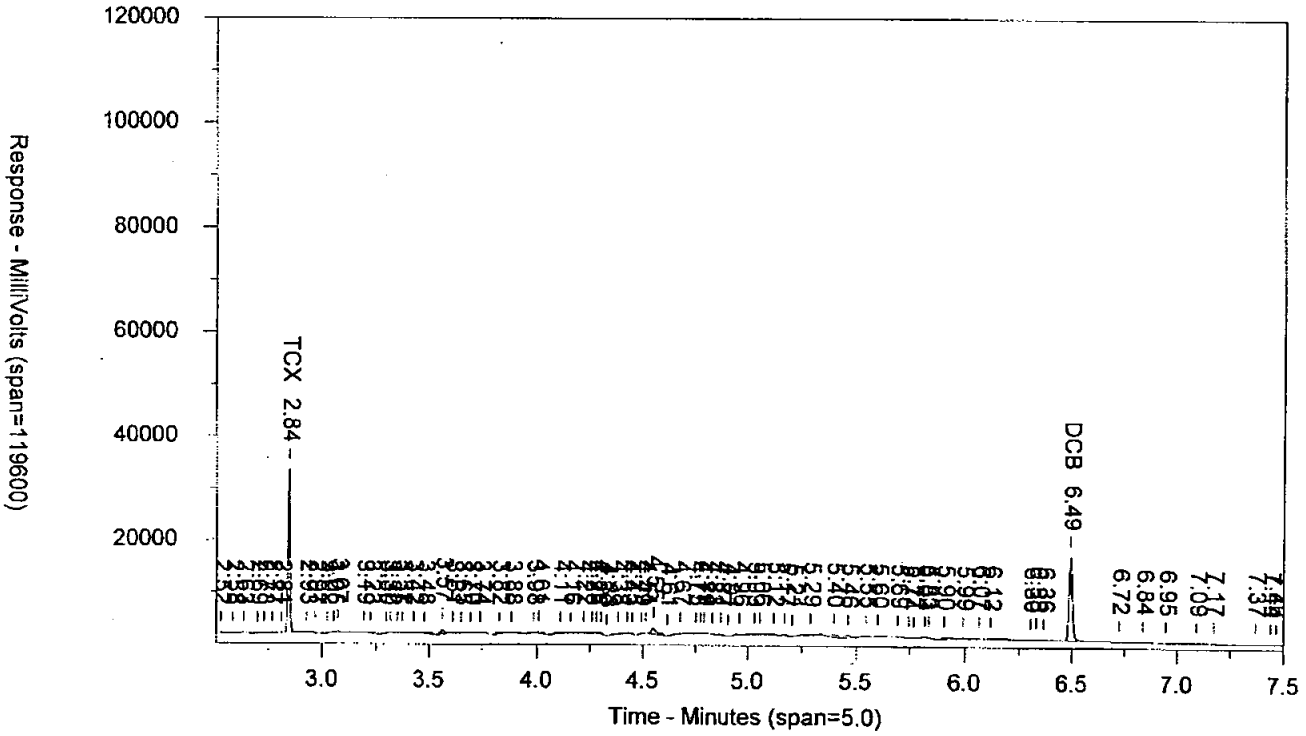

ASX67 0683

LANCASTER LABORATORIES

Sample Number: AR1631224B SSAR163SS CCAL 1219299999 Injection Volume: 1 uSW-846 8082
Injected On: 7/11/2012 7:41:37 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0029.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.52		2446	1383
2.585		4406	7238
2.646		9656	7509
2.664		13033	13918
2.698		3214	3787
2.773		1269	1040
2.82		4177	5015
2.86		2769	1917
2.882		8491	6958
2.914		8048	13247
2.953		5740	4900
2.971		4029	2536
3.038	TCX	10488910	7989564
3.191		162636	146510
3.247		266969	283577
3.299		960137	748053
3.376		20642	12475
3.394		105855	76599
3.439		4050	4604
3.48		1526	1292
3.518		845213	593740
3.535		348000	201238
3.573		115724	77098
3.589		14072	5208
3.605		81111	50755
3.636		1178334	1005503
3.672		6406	3858
3.694		20163	12954
3.711		30169	18933
3.749		241020	170056
3.764		108963	58083
3.813		195450	237906
3.823		1011353	664691
3.863		1358758	1242478
3.925		1232271	1127949
3.966		88899	66180
3.994		772390	645900
4.024		550792	509565
4.045		144722	88147
4.125		862374	733380
4.149		277396	207437
4.181		344378	272939
4.219		933230	1070404
4.26		303900	285979
4.308		47255	45313
4.35		54201	52025
4.384		803191	711623
4.405		140257	79955
4.43		245128	188080
4.459		2994	1703
4.5		127591	132056
4.545		931331	1056444
4.645		6062	6467
4.691		41339	42759

ASX67 8684

RT A	Compound A	Height A	Area A
4.762		368778	594868
4.808		510960	562048
4.857		934826	1210853
4.895		176491	139994
4.936		1898809	2133648
5.029		291827	346552
5.061		48548	36861
5.089		363035	376567
5.141		2492061	3496589
5.193		436397	442660
5.234		1154953	1502174
5.315		186014	222145
5.35		2708144	3226385
5.414		1496816	1677084
5.458		905687	1003058
5.557		73120	107197
5.579		1265765	1339976
5.638		744906	829389
5.678		390428	402122
5.719		84717	85040
5.761		568890	649133
5.818		3795546	4899936
5.978		12529	27807
6.025		2007264	2336193
6.076		638208	1185197
6.212		110655	136076
6.274		24534	21762
6.299		365831	374076
6.456		834785	1027176
6.5		49871	51525
6.657		316233	386807
6.804	DCB	4801711	6470057
6.982		9769	18488
7.144		5366	10760
7.223		5045	9760
7.288		3136	5697
7.513		15854	52563
7.683		7765	20523
7.875		2877	3607
7.935		6451	11846
8.186		1456	958
8.288		1078	1211
8.335		1662	2432
8.459		1114	770
8.571		1622	792
8.633		1117	547

LANCASTER LABORATORIES

Sample Number: AR1631224B SSAR163SS CCAL 1219299999 Injection Volume: 1 uSW-846 8082
Injected On: 7/11/2012 7:41:37 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0029.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		46583	32797
2.55		12795	15170
2.608		15058	7798
2.631		76355	197475
2.696		65580	76109
2.724		83362	137485
2.765		91007	114810
2.81		19321	12770
2.844	TCX	64341420	43692970
2.888		333172	270715
2.928		13979	11203
2.971		28556	18950
2.983		35854	31237
3.019		885336	704811
3.072		173764	111146
3.082		484609	249473
3.137		4845872	3585189
3.193		174371	140711
3.253		613115	459299
3.299		18756	19929
3.325		7753	3128
3.35		6392154	7274940
3.404		759854	523357
3.426		278964	173277
3.452		477244	289736
3.478		5986759	4885418
3.514		179132	124916
3.561		1597378	967574
3.577		741074	390677
3.63		1382877	1258796
3.639		6689752	3469179
3.676		6818939	5922266
3.753		6980415	5467018
3.788		4155438	3040326
3.815		4396159	3051059
3.834		1264538	727281
3.886		11252	9830
3.929		5713870	4496552
3.955		1965752	1266147
3.977		1819002	1320685
4.011		726294	425142
4.028		4470222	3317016
4.075		1669358	1515939
4.122		195672	157003
4.146		1220176	833716
4.171		6178055	4943958
4.199		1335497	959655
4.221		68320	27609
4.238		626773	456309
4.277		5440788	4641268
4.319		130174	93882
4.336		259694	254760
4.403		20679	19692
4.437		276714	391196

RT B	Compound B	Height B	Area B
4.498		1223651	1265628
4.547		873873	655976
4.576		5673457	5787097
4.606		2278965	2536957
4.661		12581280	12121310
4.711		164759	125941
4.736		943857	699528
4.762		3232552	2815337
4.807		19692320	19212700
4.87		59666	68924
4.921		14136110	15201410
4.98		1303691	1279339
5.018		4085572	3969034
5.057		14994470	14724170
5.09		11083390	9699600
5.131		6591116	6476303
5.237		2396464	2819156
5.288		10826140	10476860
5.315		707124	486401
5.364		5371310	5906297
5.401		2474449	2082056
5.424		720286	602550
5.481		30876430	32486330
5.523		466763	366585
5.559		903020	874246
5.597		23289	44264
5.698		5853018	6560879
5.745		18278570	22477560
5.903		794189	952955
5.944		400302	371351
5.972		170745	146824
6.021		2738582	2883873
6.126		5827206	6030233
6.157		177670	134114
6.328		1982438	2110247
6.491	DCB	38213060	41446240
6.684		23219	31752
6.837		34063	38277
6.905		50457	117553
7.364		36268	49694
7.456		6706	9344
7.526		10755	13363
7.591		26358	37119
7.816		5710	5019
7.919		5061	5647
8.181		3931	1125
8.292		5175	2785
8.427		4774	13611

ASX67 0687

AR1631224B SSAR163SS CCAL 1219299999 SW-846 8082

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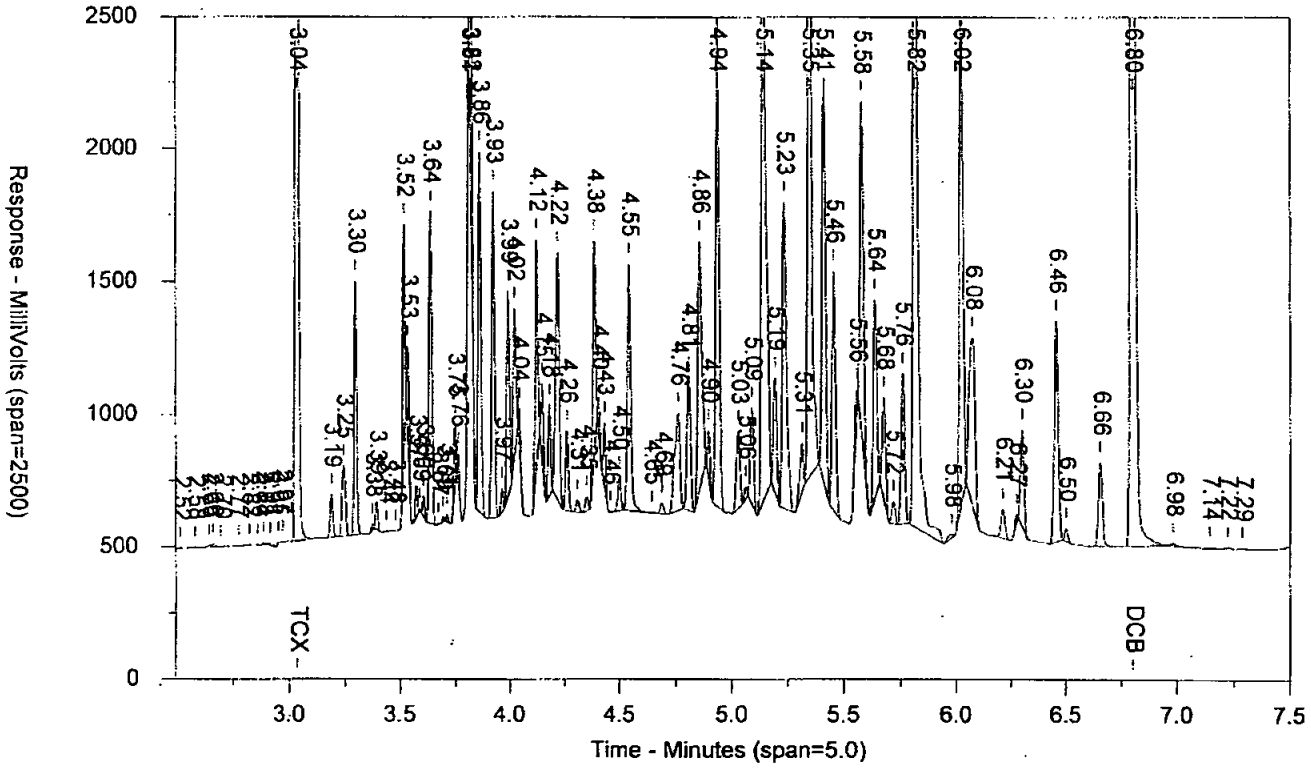

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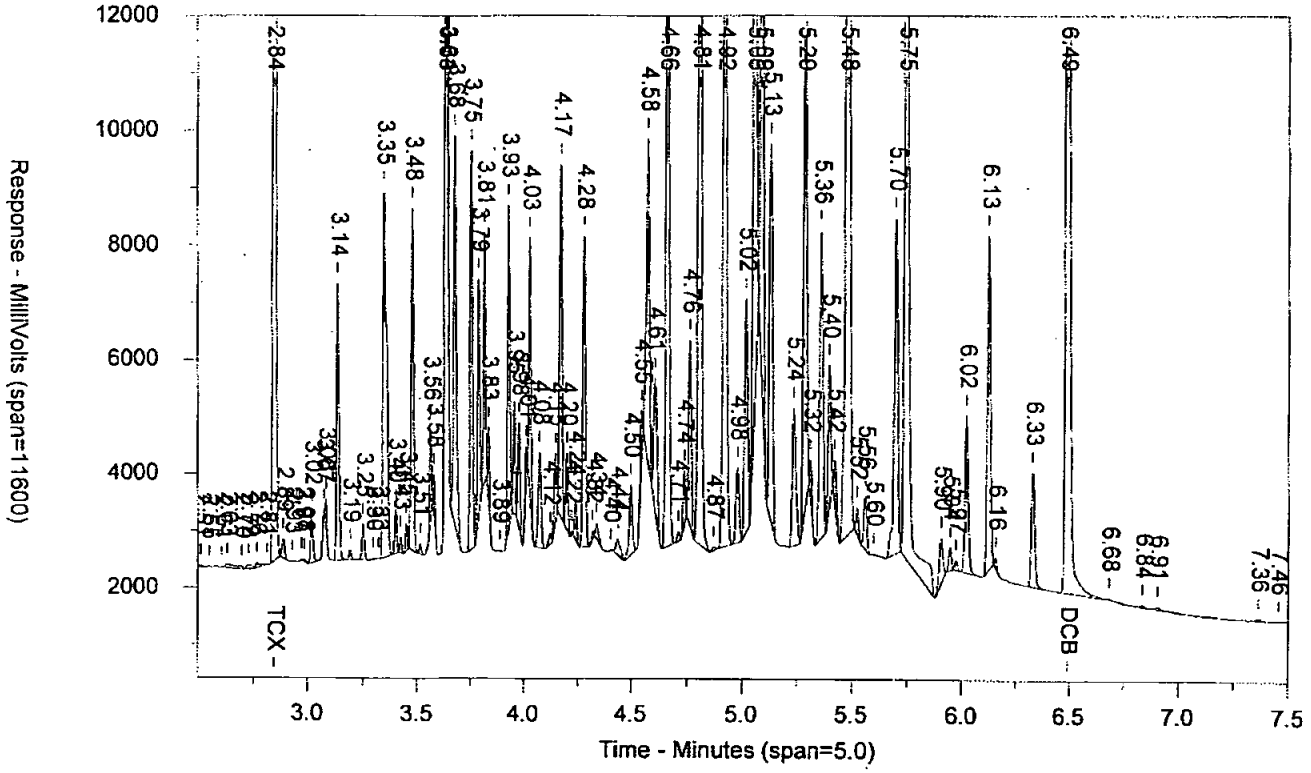

LANCASTER LABORATORIES

Sample Number: AR1631224B SSAR163SS CCAL 1219299999 Sample Weight: SW-846 8082
Injected On: 7/11/2012 7:41:37 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	10488910	40.623	TCX	2.844	64341420	43.022	TCX
6.804	4801711	33.332	DCB	6.491	38213060	36.511	DCB

Files:
Area File: 6p20188.0029.RAW
Area File: 6p20188B.0029.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 7:50:20 PM
File Reported On: 7/11/2012 at 7:50:25 PM

AR1631224B SSAR163SS CCAL 1219299999 SW-846 8082

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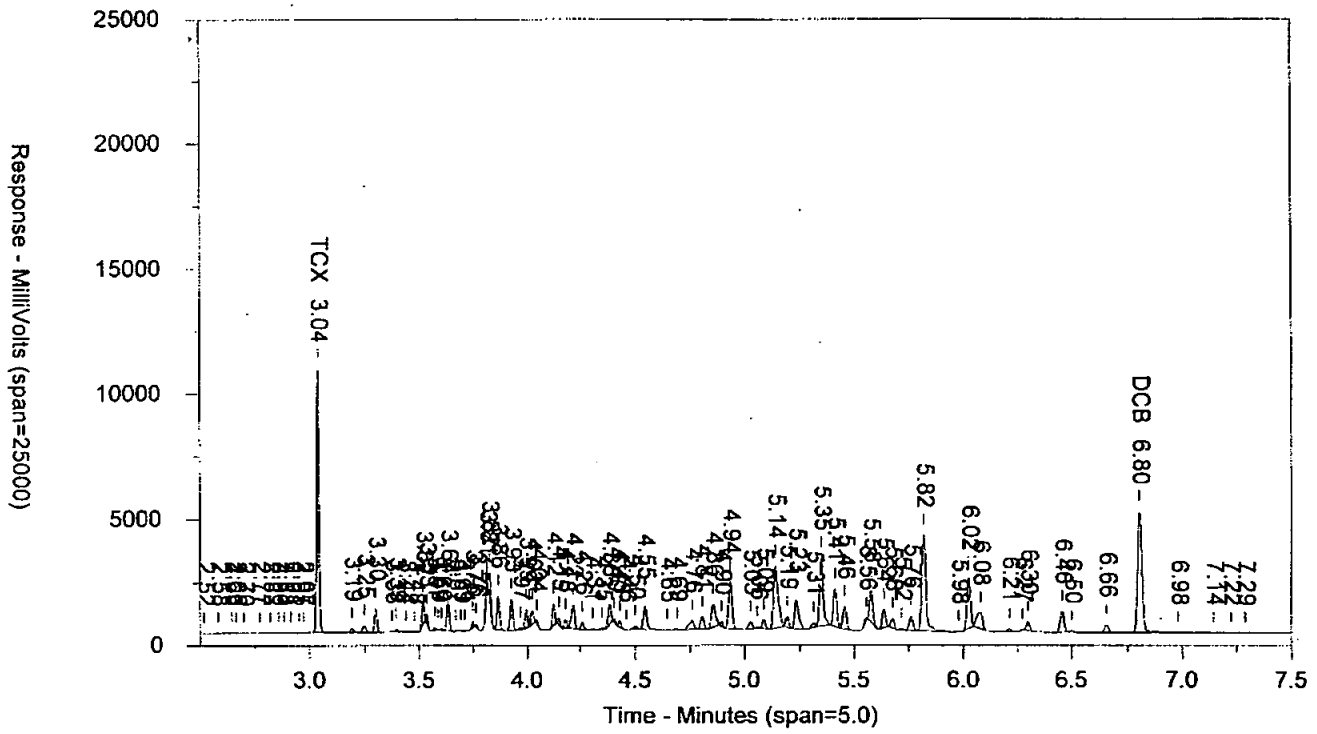

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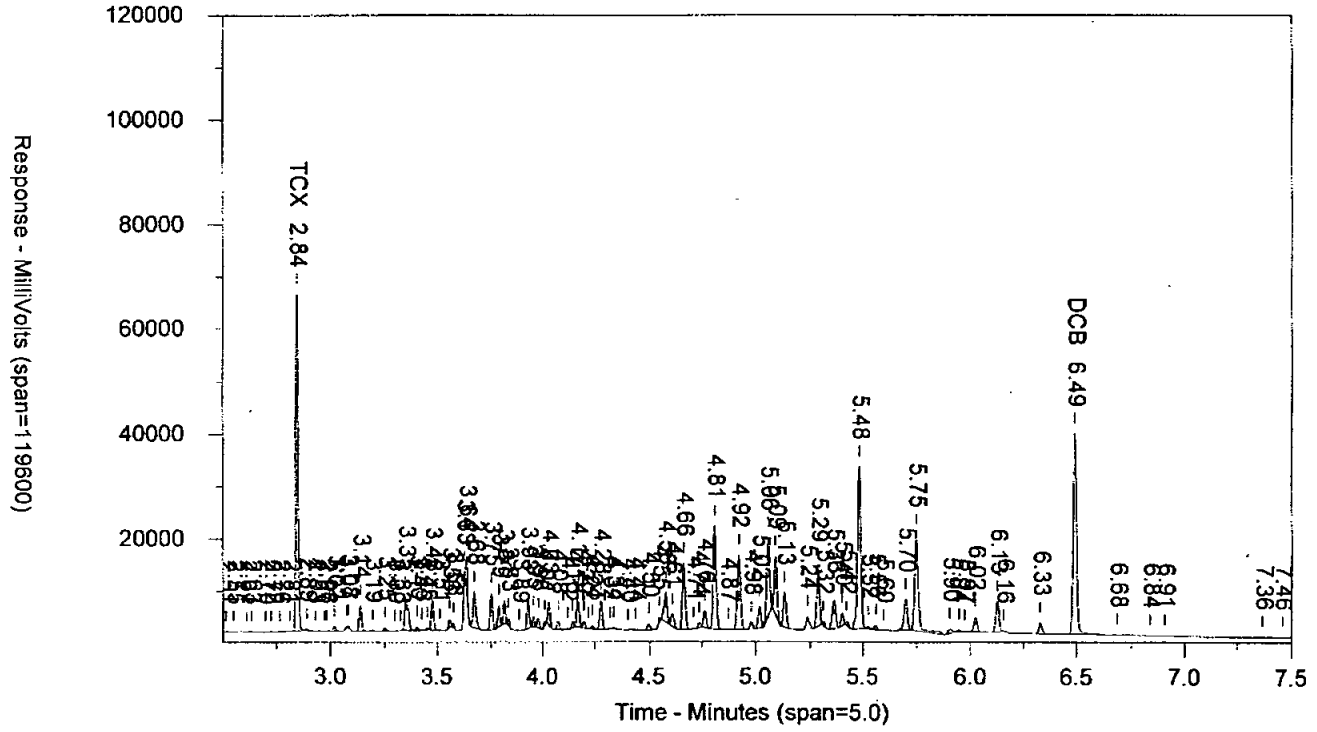

ASX67 8690

LANCASTER LABORATORIES

Sample Number: IBLKX1224C KBPIBLKKB PIBLK1219299999 Injection Volume: 1SW-846 8082
Injected On: 7/11/2012 7:53:11 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 6p20188.0030.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.511		4784	6221
2.548		11427	11320
2.582		2524	2432
2.647		8730	15436
2.723		2465	1610
2.753		15012	11657
2.823		5282	7355
2.858		4533	4143
2.883		3289	2318
2.901		2695	1685
2.988		11894	48529
3.038	TCX	5481290	4117383
3.125		6167	6293
3.167		2169	2926
3.205		2952	3666
3.242		81745	63738
3.293		5323	4810
3.34		1750	6602
3.349		1540	758
3.376		27979	23900
3.435		5388	10925
3.467		1516	368
3.491		3786	3337
3.528		2485	2046
3.562		2657	2506
3.633		16079	32861
3.672		8060	8123
3.696		12477	9193
3.736		2979	4729
3.791		59749	65229
3.855		4288	7189
3.911		1576	1320
4.025		2504	11638
4.052		4698	3801
4.105		1701	2050
4.142		1822	1061
4.166		2015	1275
4.183		1790	811
4.238		2794	3418
4.281		8161	23026
4.351		13441	22548
4.416		54071	117207
4.467		14422	26710
4.522		2194	1630
4.541		1407	793
4.574		8981	7990
4.653		8956	10778
4.701		4049	3673
4.735		3472	3375
4.792		9359	12812
4.844		5365	12309
4.995		2722	1358
5.055		46800	52054
5.105		55283	102219

ASX67 0691

RT A	Compound A	Height A	Area A
5.138		3919	5125
5.222		8479	14765
5.292		2801	4232
5.343		6321	13146
5.414		6403	7880
5.512		2185	784
5.554		4202	8515
5.671		2464	3315
5.814		10265	11718
5.977		26760	50622
6.024		6215	8646
6.067		2281	7686
6.213		24009	28735
6.371		7926	18853
6.429		1711	695
6.451		4114	4622
6.566		1281	613
6.656		24465	31286
6.803	DCB	2612692	3463910
7.07		1290	689
7.228		4050	8601
7.274		1082	355
7.362		1281	838
7.562		2537	4309
7.682		3892	8764
7.812		1697	667
7.875		1759	1501
7.939		3828	8705
8.022		1448	991
8.047		1050	513
8.148		1920	4731
8.219		978	508
8.264		1256	1067
8.293		2203	1710
8.361		1367	579

ASX67 692

LANCASTER LABORATORIES

Sample Number: IBLKX1224C KBPIBLKKB PIBLK1219299999 Injection Volume: 1SW-846 8082
Injected On: 7/11/2012 7:53:11 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p20188B.0030.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.519		15055	18662
2.582		101293	79249
2.629		172052	520517
2.695		190167	300390
2.726		163043	331832
2.764		97669	112657
2.814		24758	24643
2.845	TCX	30607290	21804830
2.934		28924	36867
2.967		87991	86068
3.015		81797	149003
3.05		8150	4691
3.071		410697	276918
3.178		2960	6134
3.193		92266	59167
3.224		40023	37842
3.324		57234	398039
3.349		13569	7820
3.388		19605	20368
3.417		14203	10888
3.446		11957	11401
3.482		20861	26077
3.513		98511	102350
3.548		101868	77959
3.566		132022	112500
3.608		180652	168996
3.652		15950	11288
3.693		19555	14708
3.741		27311	38137
3.82		224206	649741
3.89		183256	1002959
3.971		223130	564647
4.008		11324	4524
4.092		87373	289213
4.126		11503	5761
4.165		33808	47369
4.197		7435	4188
4.219		10454	7940
4.235		13938	10899
4.263		14352	9348
4.294		133381	329873
4.382		20088	263594
4.406		30859	35663
4.445		474858	661784
4.506		189048	745416
4.55		151116	632609
4.675		50656	300999
4.699		17271	10417
4.739		9608	5141
4.791		64112	86615
4.838		11755	6719
4.866		34362	136044
4.939		118455	274736
4.986		27907	55607

ASX67 8693

RT B	Compound B	Height B	Area B
5.057		42936	45097
5.083		12890	12248
5.175		80115	125285
5.236		32074	52106
5.254		15792	14485
5.286		18416	28311
5.362		10295	2746
5.372		16108	102749
5.463		17937	20815
5.517		49274	80791
5.591		28631	37684
5.677		35303	126979
5.739		220469	471700
5.802		284017	1702120
5.904		281437	446641
5.947		30705	30301
5.978		7043	4765
5.988		15886	33075
6.048		9529	6657
6.104		8704	3119
6.118		18389	17985
6.328		133715	148640
6.49	DCB	18828330	21126580
6.838		27539	110763
7.364		19588	26207
7.594		12995	16699
7.661		5251	5586
7.737		16106	47051
8.128		6739	12328
8.408		6295	15976
8.453		3601	2382
8.509		4726	2617
8.6		4449	2022

ASX67 8694

IBLKX1224C KBPIBLKKB PIBLK1219299999 SW-846 8082

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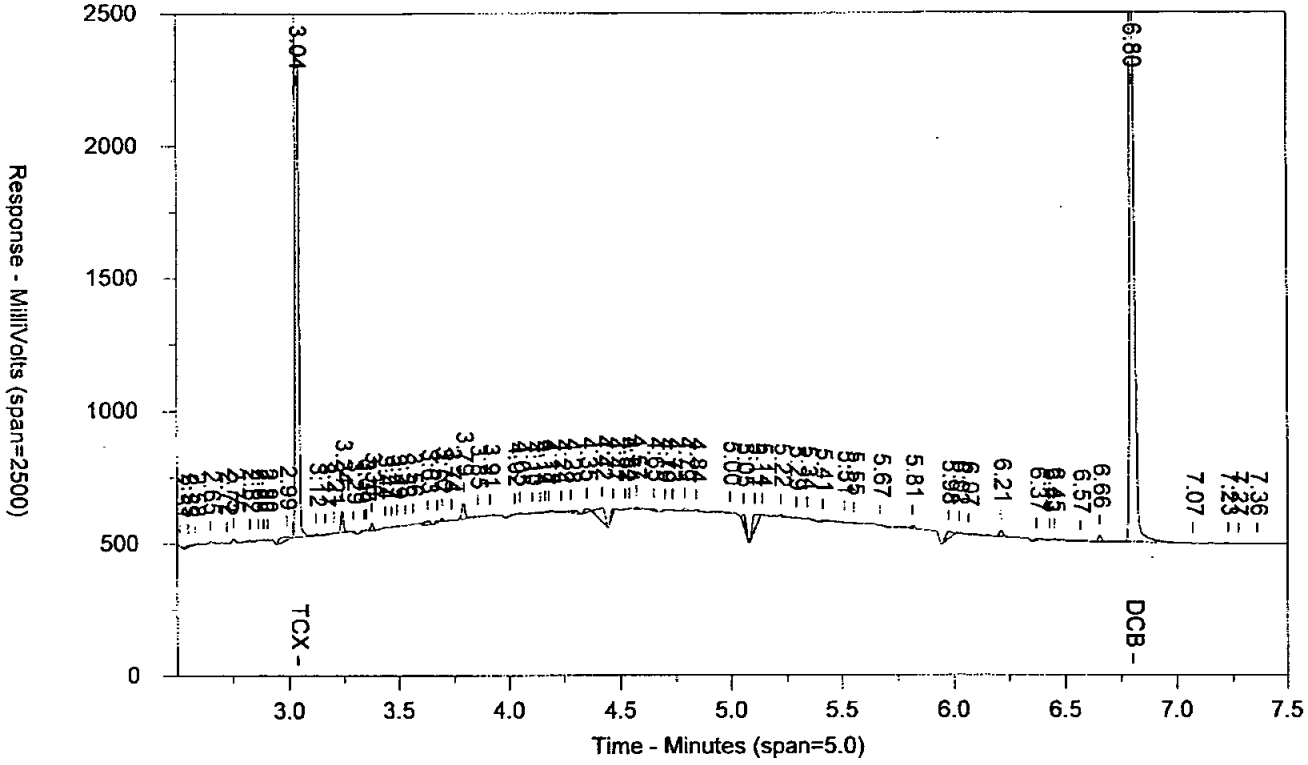

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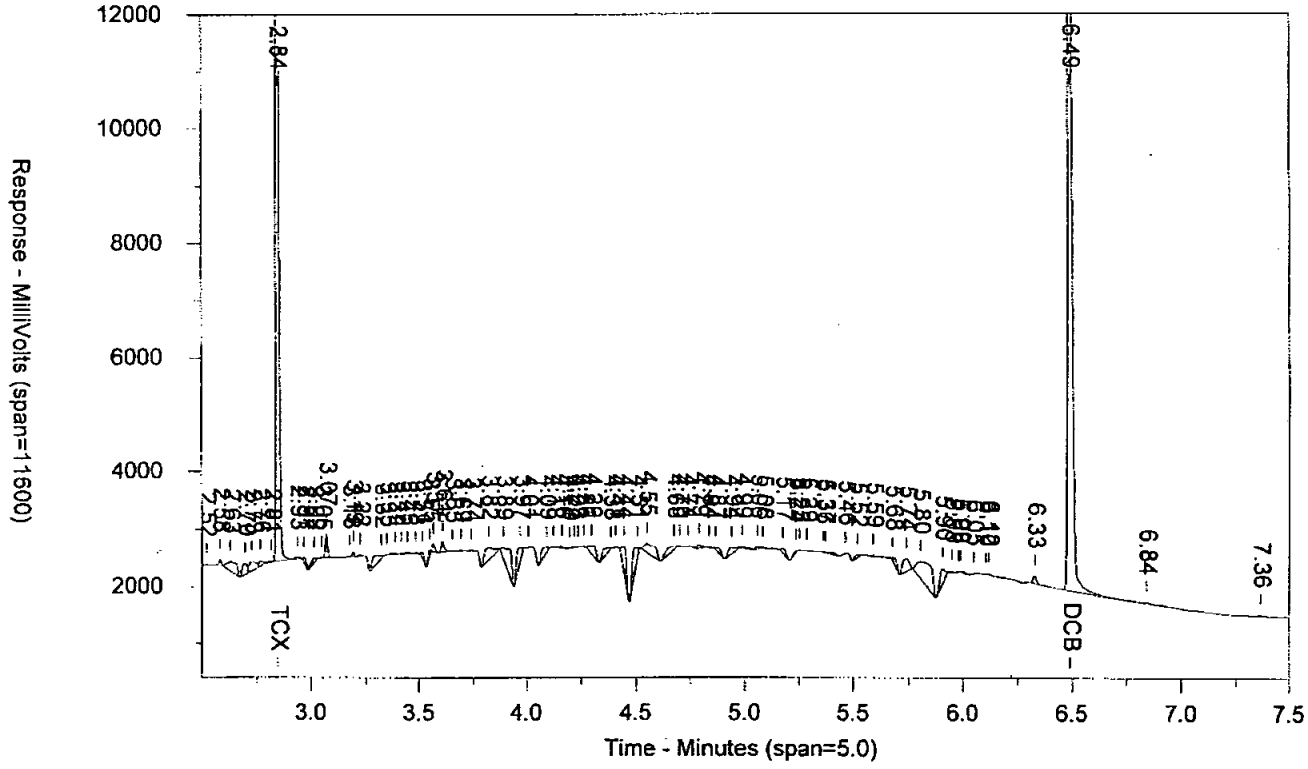

ASX67 0695

LANCASTER LABORATORIES

Sample Number: IBLKX1224C KBPIBLKKB PIBLK1219299999 Sample WeightS[illegible]6 8082
Injected On: 7/11/2012 7:53:11 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	5481290	.212	TCX	2.845	30607290	.205	TCX
6.803	2612692	.181	DCB	6.49	18828330	.18	DCB

Files:
Area File: 6p20188.0030.RAW
Area File: 6p20188B.0030.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/11/2012 8:01:55 PM
File Reported On: 7/11/2012 at 8:01:59 PM

IBLKX1224C KBPIBLKKB PIBLK1219299999 SW-846 8082

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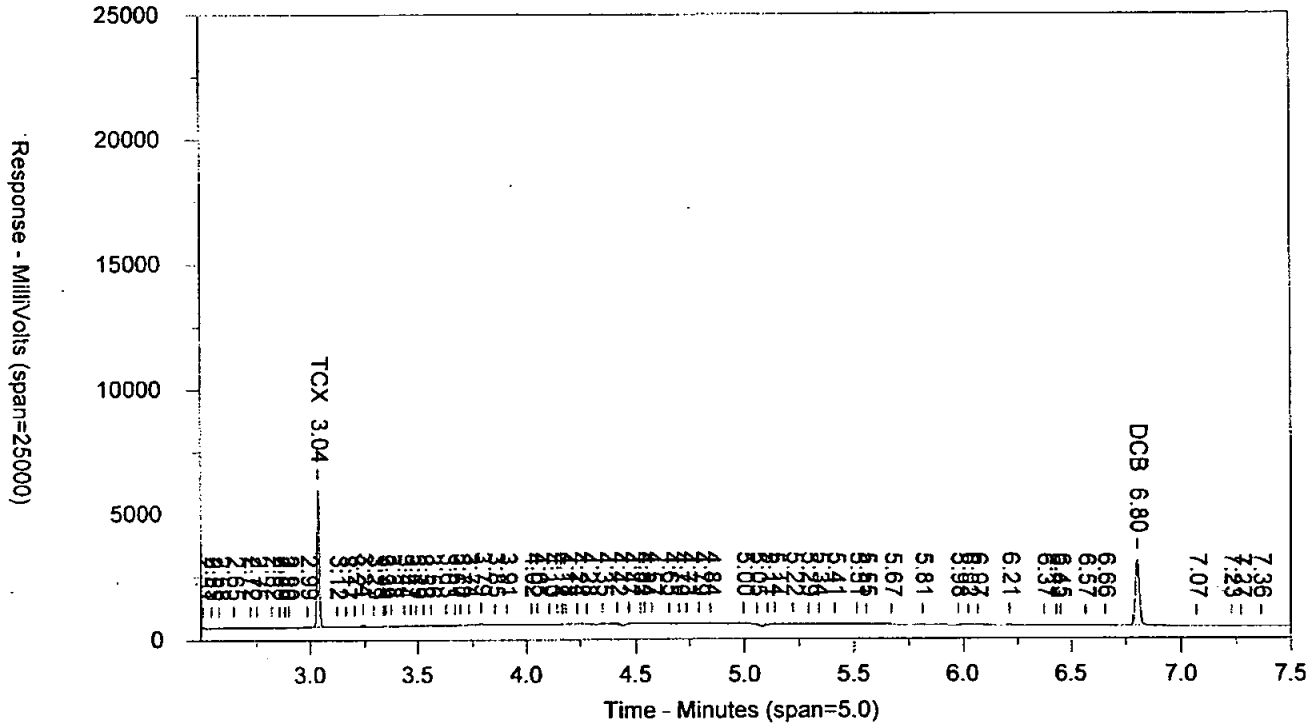

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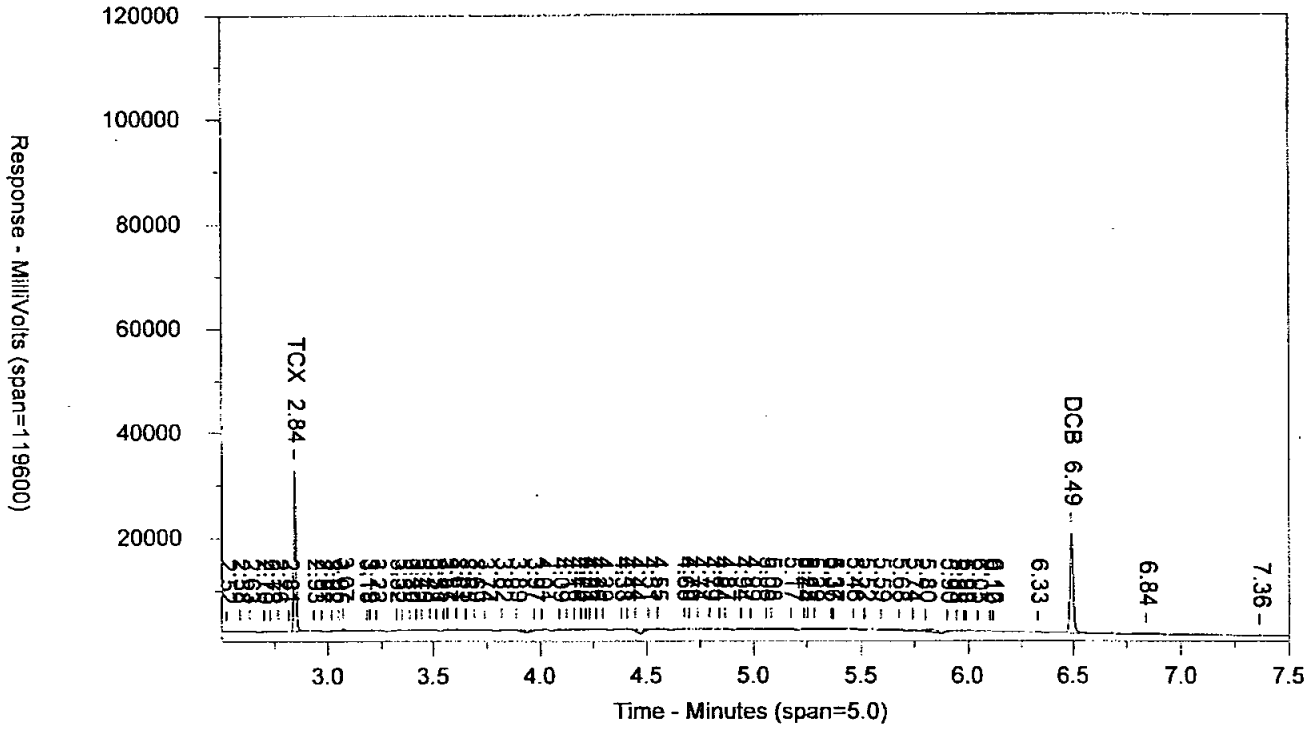

ASX67 0697

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR1631224B THAR163TH CCAL 1219399999 Injection Volume: 1 uSW-846 8082
Injected On: 7/12/2012 6:56:39 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 7p20188.0015.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.524		2114	1741
2.586		3743	6229
2.648		8725	7416
2.666		12960	12894
2.699		3264	2060
2.724		2562	2441
2.793		2344	2483
2.822		4792	5743
2.859		3842	2924
2.882		5990	3559
2.901		1987	863
2.954		5410	3980
2.973		7013	5046
2.997		2431	2134
3.038	TCX	10260400	8158164
3.127		2280	1999
3.169		1573	610
3.192		165633	149078
3.249		269377	288922
3.3		955078	776277
3.377		28999	18036
3.396		110798	73191
3.439		4183	2426
3.496		1588	884
3.52		908645	620928
3.537		363891	220434
3.575		118871	80315
3.591		13960	5165
3.607		86945	52904
3.638		1267955	1031619
3.673		8681	6233
3.696		19395	12166
3.715		31448	20064
3.75		260824	173282
3.766		90079	56922
3.816		282864	271766
3.826		1042416	659120
3.865		1357985	1274908
3.927		1255661	1159189
3.967		92035	68732
3.996		794752	662116
4.025		593874	527160
4.047		151592	90958
4.127		882010	752434
4.152		272060	205632
4.184		336063	277626
4.221		941230	1090609
4.262		297889	294605
4.31		50094	45668
4.351		59161	53718
4.387		833638	739430
4.407		156100	88980
4.432		246303	191872
4.473		2625	4376

ASX67 8698

RT A	Compound A	Height A	Area A
4.503		135013	137349
4.548		907080	1090887
4.653		7000	7463
4.693		42744	43929
4.762		379230	600311
4.811		534844	578645
4.858		995414	1250931
4.898		175156	141193
4.938		1941756	2191925
4.988		4724	3354
5.03		302144	367167
5.063		28780	19978
5.09		392522	407635
5.143		2562366	3609952
5.194		463710	461866
5.236		1193799	1551232
5.316		193056	231451
5.352		2681244	3343092
5.416		1601141	1761005
5.459		939678	1069671
5.557		101304	101500
5.581		1353372	1441771
5.64		789585	864348
5.679		405583	417938
5.72		83159	85241
5.763		581387	667362
5.819		3949473	5086607
5.973		18111	28278
6.026		2094494	2392132
6.074		626625	1206366
6.214		124133	142976
6.275		28146	23199
6.3		360118	386064
6.457		833069	1033991
6.502		49502	52304
6.659		307773	388603
6.807	DCB	4868369	6410746
6.985		18713	29171
7.148		4744	6622
7.223		8922	19772
7.423		2207	8950
7.545		1824	2231
7.621		7639	19303
7.688		4515	6150
7.879		3577	10768
7.94		5234	9370
8.075		1675	1562
8.146		1127	599
8.238		1586	1203
8.289		1047	331
8.313		1930	2381
8.499		1783	2496
8.623		2141	4304

ASX67 8699

LANCASTER LABORATORIES

Sample Number: AR1631224B THAR163TH CCAL 1219399999 Injection Volume: 1 uSW-846 8082
Injected On: 7/12/2012 6:56:39 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 7p20188B.0015.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.514		38446	32570
2.572		15138	20350
2.586		12837	8463
2.63		46007	55310
2.692		37989	34542
2.725		91905	132357
2.765		51814	56041
2.81		14311	7590
2.845	TCX	63944770	44442960
2.887		336285	273261
2.926		9426	7219
2.971		17667	12228
2.985		84394	66178
3.019		922557	736927
3.072		283425	151054
3.082		584480	284099
3.137		5012290	3671274
3.193		173680	121775
3.226		29310	20040
3.253		614026	455158
3.328		9803	30362
3.351		6300479	7477756
3.404		749240	533294
3.427		297426	183932
3.453		493297	303088
3.478		6053421	5004386
3.514		193258	127327
3.562		1548892	960157
3.578		801339	414537
3.641		14117560	16307400
3.677		6872431	5976164
3.755		7027701	5560004
3.789		4364803	3135206
3.815		4529894	3123570
3.836		1353725	770084
3.886		11733	9109
3.93		5661598	4534022
3.956		2064196	1338890
3.979		1887091	1353703
4.013		700019	417350
4.03		4677510	3386217
4.077		1671071	1554895
4.124		187416	160666
4.148		1240921	835807
4.173		6339471	5043139
4.2		1381527	955272
4.222		64634	28226
4.239		628081	462519
4.278		5466709	4753993
4.32		131827	93226
4.337		278275	266120
4.404		30297	21575
4.438		316122	462280
4.5		1315018	1370947

RT B	Compound B	Height B	Area B
4.548		987511	712231
4.578		6086335	6143264
4.608		2332918	2590870
4.663		12896310	12432030
4.711		175443	133426
4.738		916253	673963
4.764		3323322	2865355
4.808		19510520	19598900
4.87		28510	42573
4.922		14979670	15478320
4.981		1431137	1404197
5.019		4267838	4093617
5.059		15198420	15015070
5.091		11013300	9804239
5.132		6746382	6669510
5.197		17483	12155
5.237		2418969	2880488
5.29		11038960	10742830
5.316		732404	492893
5.366		6160647	6483975
5.402		2437527	2071650
5.426		1363692	1086665
5.483		30850000	33006750
5.525		478916	380384
5.561		940907	898798
5.699		6107038	6777609
5.746		18626000	23859050
5.903		861672	995724
5.945		363113	327178
5.971		143964	131007
6.023		2764117	2898501
6.127		5915763	6083308
6.157		170832	130805
6.328		1983975	2209256
6.491	DCB	37312440	41364410
6.841		56407	90382
6.909		90134	154656
7.1		14078	14549
7.152		76096	202728
7.367		48417	84439
7.456		30659	95728
7.569		6128	5053
7.681		23532	118433
8.126		6197	1925
8.193		8934	15011
8.388		6512	13512
8.559		6017	2338

ASX67 8781

AR1631224B THAR163TH CCAL 1219399999 SW-846 8082

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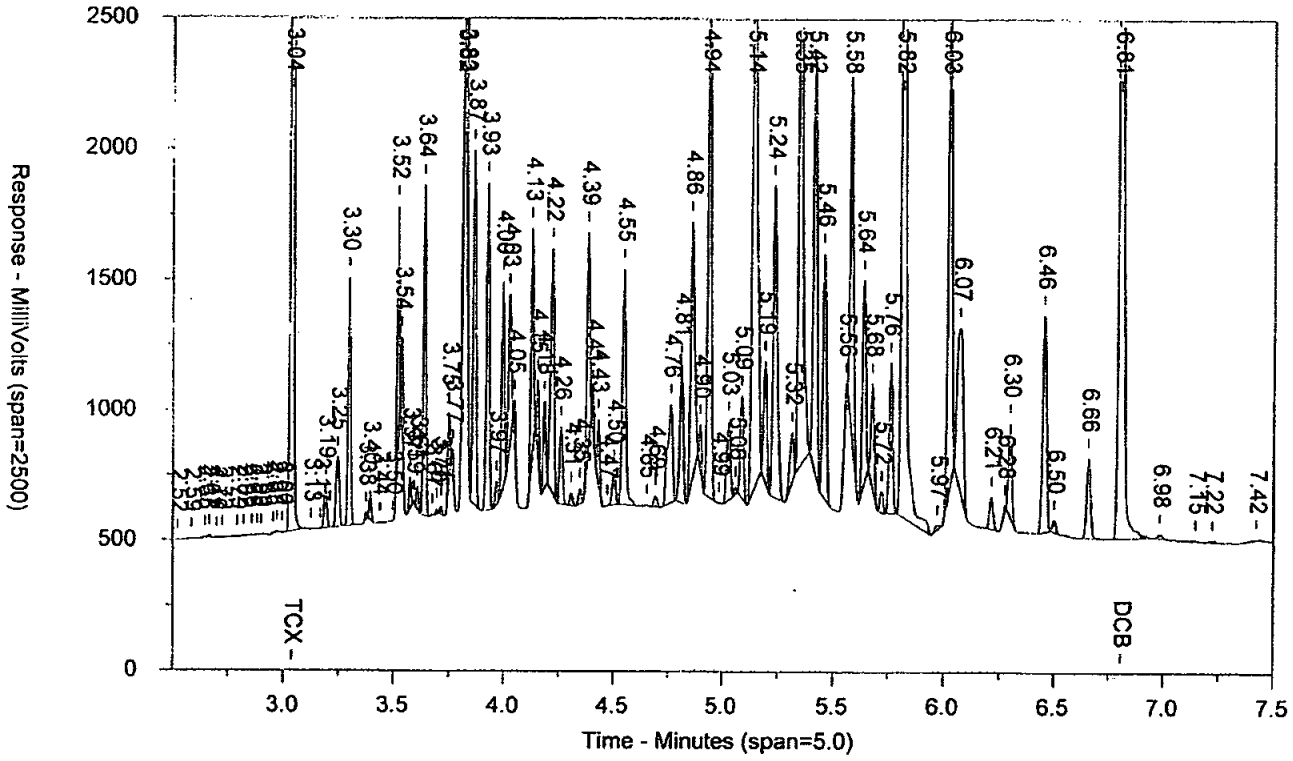

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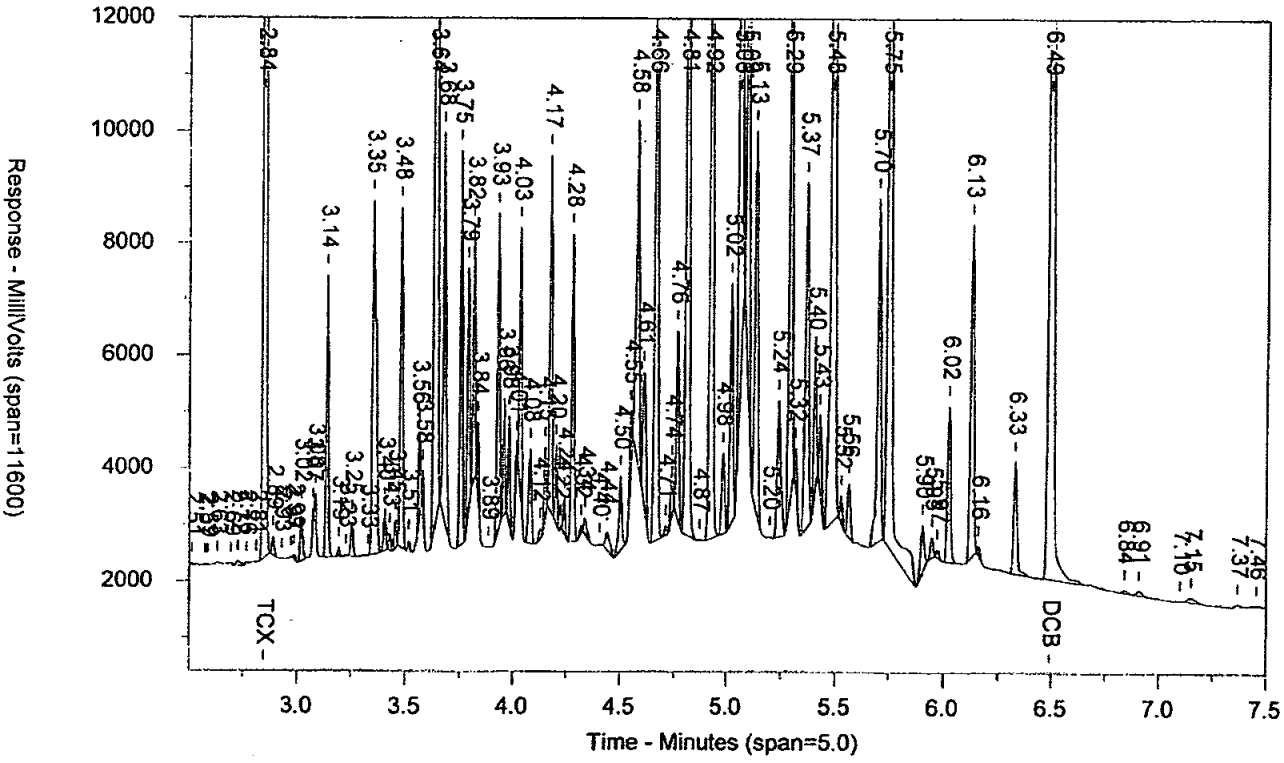

ASX67 0782

LANCASTER LABORATORIES

Sample Number: AR1631224B THAR163TH CCAL 1219399999 Sample Weight: $W-846 8082
Injected On: 7/12/2012 6:56:39 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	10260400	39.738	TCX	2.845	63944770	42.757	TCX
6.807	4868369	33.795	DCB	6.491	37312440	35.651	DCB

Files:
Area File: 7p20188.0015.RAW
Area File: 7p20188B.0015.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/12/2012 7:05:22 PM
File Reported On: 7/12/2012 at 7:05:30 PM

ASX67 0783

AR1631224B THAR163TH CCAL 1219399999 SW-846 8082

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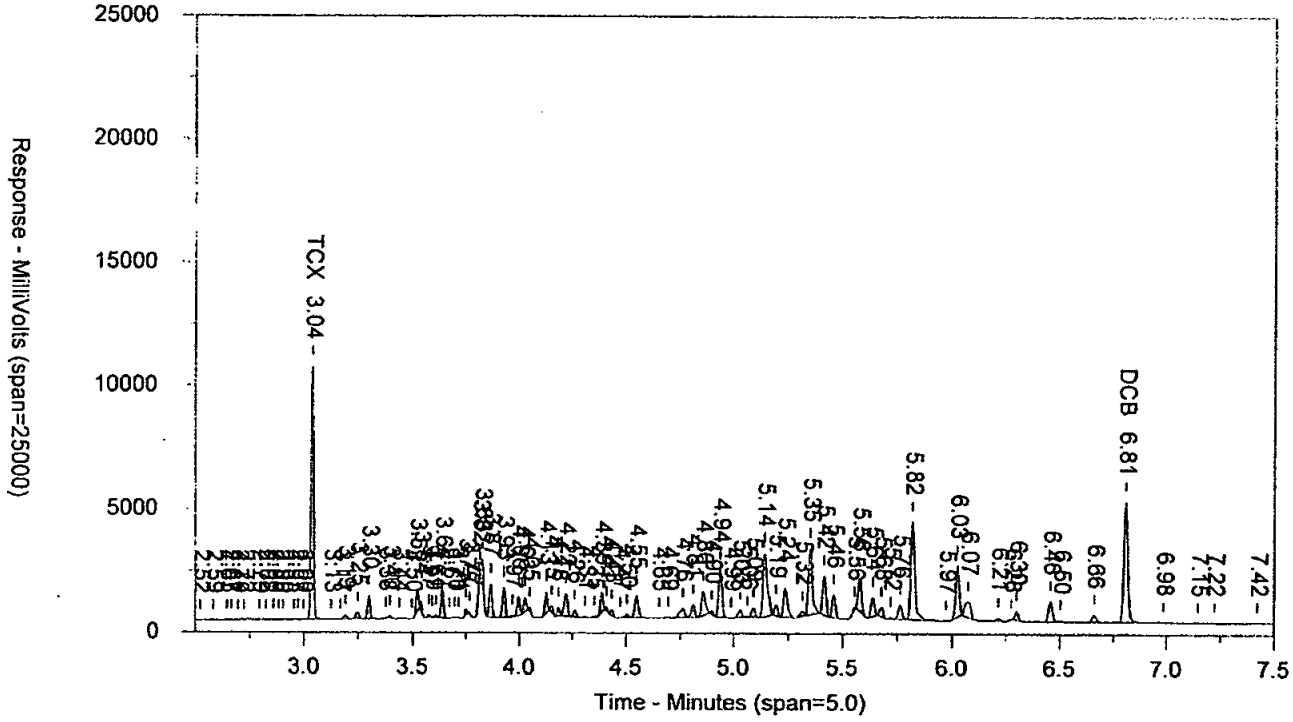

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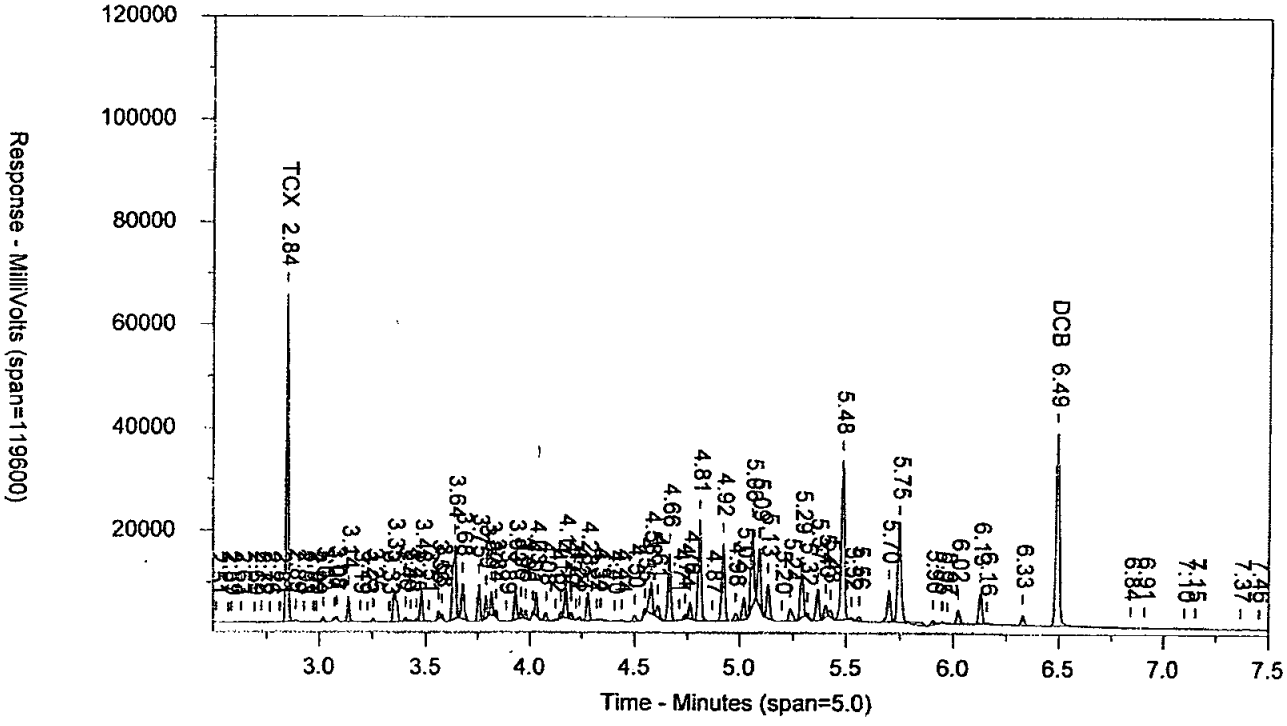

ASX67 8784

LANCASTER LABORATORIES

Sample Number: IBLKX1224C KUPIBLKKU PIBLK1219399999 Injection Volume: 1 SW-846 8082
Injected On: 7/12/2012 7:08:08 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 7p20188.0016.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.546		7366	6436
2.584		9094	13660
2.645		18064	28409
2.698		4259	4739
2.794		1757	3292
2.819		2764	3017
2.855		2201	2105
2.882		11956	12461
2.97		15588	21670
3.038	TCX	5736559	4477952
3.128		7384	5477
3.18		1416	2783
3.2		2564	1571
3.243		91085	70523
3.341		3593	7378
3.361		1560	1144
3.377		22000	17328
3.411		2128	2125
3.445		2025	2355
3.483		1931	1099
3.524		1857	1969
3.569		2185	2615
3.607		1641	1194
3.636		12271	16416
3.676		4932	5467
3.695		16321	12178
3.73		2125	1317
3.797		68593	66091
3.837		2167	1312
3.855		2826	1078
3.865		1711	873
3.889		2337	1364
3.922		3239	3272
4.014		7545	12177
4.046		2237	2441
4.085		2191	2221
4.122		1511	940
4.134		2282	1384
4.175		2021	1383
4.189		2788	1427
4.219		2296	1612
4.277		2195	1329
4.351		20837	36986
4.42		49277	79167
4.468		20099	38828
4.52		3117	2880
4.546		3543	3743
4.573		2940	4432
4.645		7365	9600
4.712		9449	18771
4.793		16733	20260
4.841		3093	3440
4.889		1677	1249
5.063		135648	158048

ASX67 0785

RT A	Compound A	Height A	Area A
5.103		24807	51492
5.222		9621	13698
5.296		12740	16797
5.348		5853	13734
5.425		15563	30430
5.492		3020	6303
5.547		3186	3609
5.621		2983	2444
5.647		4622	7901
5.755		11639	24094
5.812		10804	162221
5.978		32118	65317
6.024		9633	14200
6.074		4121	4921
6.214		27493	35341
6.283		3775	4751
6.339		3109	3658
6.449		5175	7944
6.596		2046	2476
6.658		24342	29869
6.747		1313	607
6.807	DCB	2619107	3582006
6.961		1654	6337
7.106		1912	1913
7.223		2634	4222
7.36		1073	1328
7.474		1519	1450
7.519		1204	1401
7.539		1645	1059
7.644		1271	550
7.682		3388	5461
7.773		1905	1028
7.936		3990	10459
8.065		1175	500
8.12		1692	1212
8.131		1883	977
8.389		1384	455
8.474		1398	589
8.583		2277	4566
8.672		3417	5530

ASX67 0786

LANCASTER LABORATORIES

Sample Number: IBLKX1224C KUPIBLKKU PIBLK1219399999 Injection Volume: 1 SW-846 8082
Injected On: 7/12/2012 7:08:08 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 7p20188B.0016.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.529		20049	30993
2.576		47411	82094
2.63		165858	425238
2.696		145292	230767
2.726		162282	257617
2.765		110686	128153
2.812		24083	19244
2.845	TCX	33731930	23640240
2.93		35381	36992
2.967		102034	98553
3.017		77365	166344
3.048		11325	9327
3.071		430502	297913
3.109		5410	4394
3.144		8150	4176
3.172		13587	10968
3.194		94678	64145
3.303		104257	299274
3.351		9789	4400
3.378		7733	7063
3.417		21032	17674
3.452		11647	9602
3.481		14466	11235
3.509		120966	145132
3.566		540178	826246
3.608		50647	66030
3.656		28987	39259
3.695		15292	17678
3.827		280118	827314
3.887		27567	36159
3.925		139436	107373
3.967		185040	416138
4.008		245219	635888
4.102		56869	322898
4.126		8298	5437
4.159		11909	3444
4.197		5851	2700
4.22		29836	38712
4.253		6170	1832
4.273		11422	10545
4.302		240716	251333
4.329		32522	17614
4.374		48503	216523
4.417		11848	12354
4.493		150828	246824
4.508		11941	6596
4.547		856696	1661620
4.614		48409	34399
4.687		21380	470455
4.698		14876	9155
4.72		9968	5941
4.737		8629	7364
4.788		98979	156148
4.831		52978	63050

ASX67 0787

RT B	Compound B	Height B	Area B
4.873		244737	350672
4.908		40455	30959
4.961		122594	393086
4.993		30451	31985
5.026		9155	3855
5.053		32271	42295
5.124		61017	90653
5.165		174818	317350
5.207		32707	23058
5.259		61890	243895
5.287		30181	64191
5.398		293659	770015
5.458		329238	558717
5.551		115513	381823
5.595		42333	62304
5.673		62446	327518
5.74		49380	37438
5.834		444062	1914491
5.903		283519	436226
5.99		137028	259720
6.074		92381	273360
6.123		21568	17847
6.327		234521	734257
6.489	DCB	18285670	20086560
6.756		18361	26818
6.835		19157	23065
7.359		18053	35001
7.595		12536	19900
7.939		8969	27555
8.157		4732	3043
8.496		7964	18738
8.55		5321	3563
8.635		6247	6783

ASX67 8788

IBLKX1224C KUPIBLKKU PIBLK1219399999 SW-846 8082

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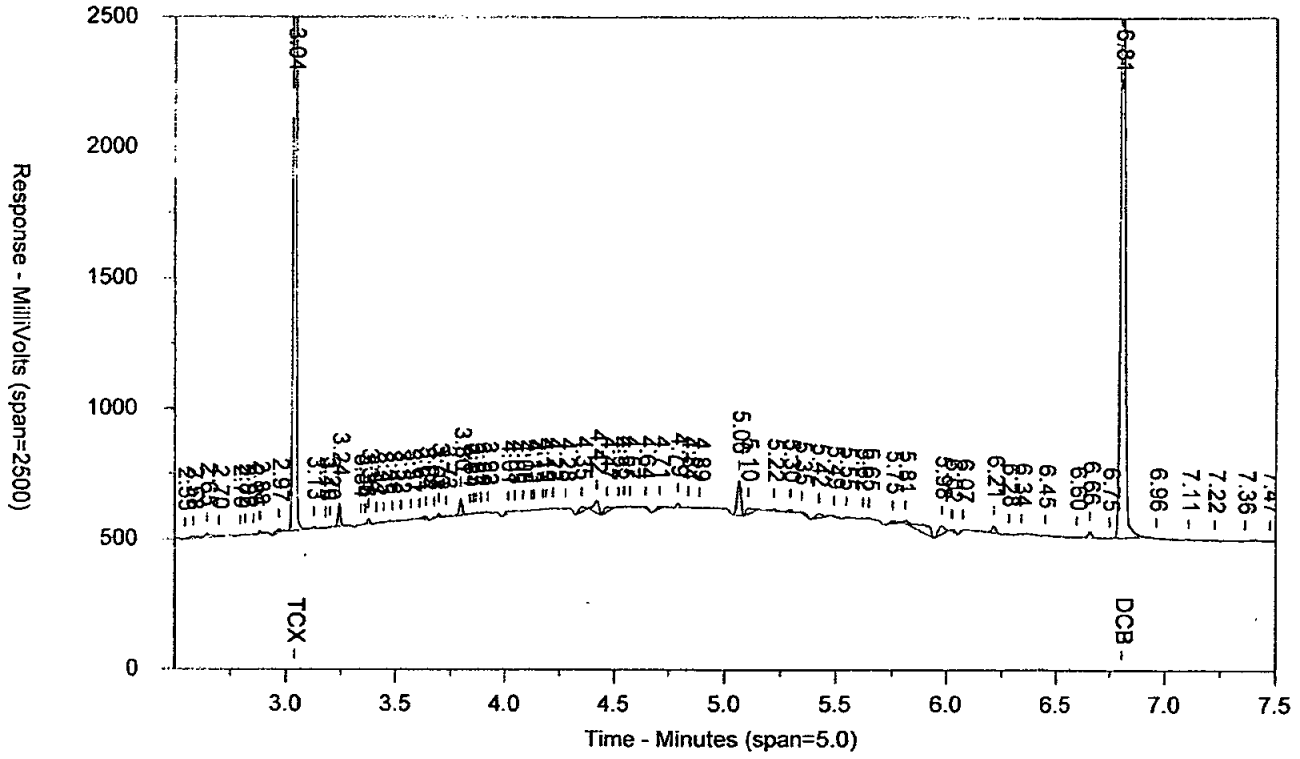

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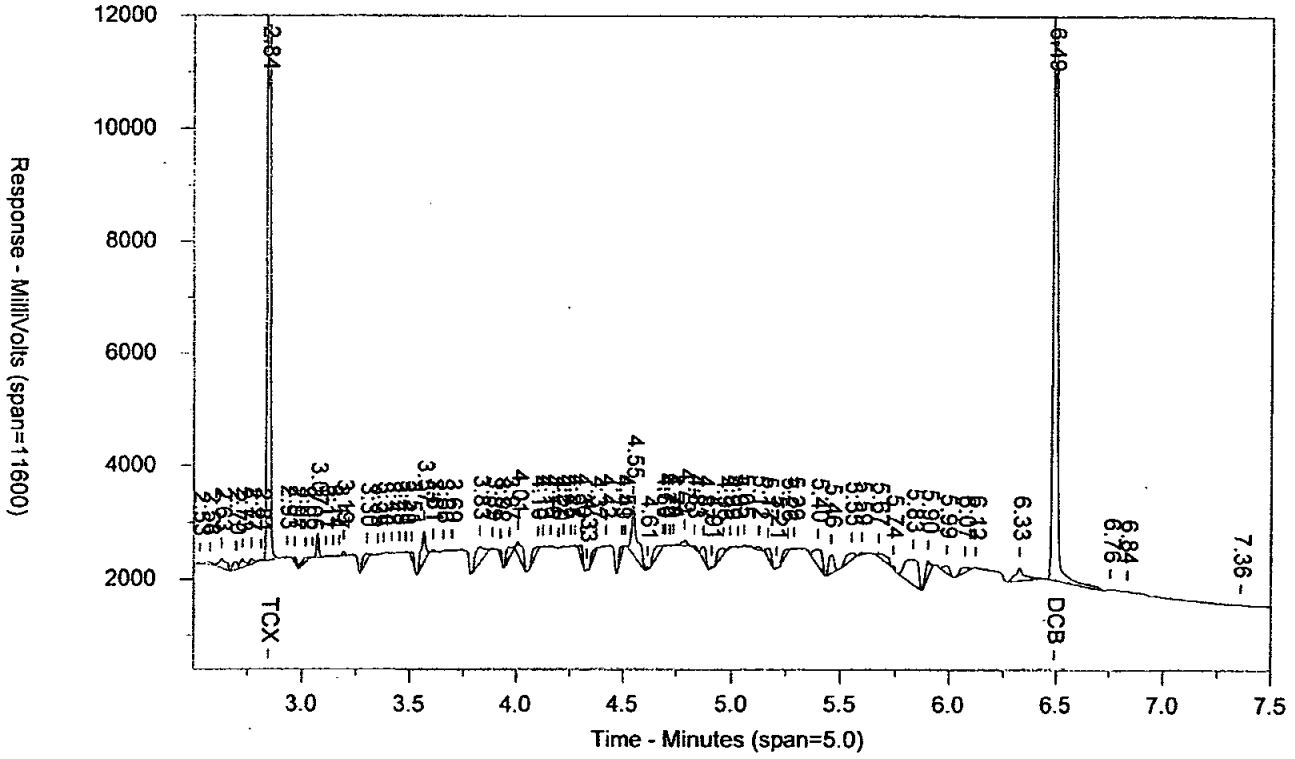

ASX67 8789

LANCASTER LABORATORIES

Sample Number: IBLKX1224C KUPIBLKKU PIBLK1219399999 Sample Weight:SW0846 8082
Injected On: 7/12/2012 7:08:08 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	5736559	.222	TCX	2.845	33731930	.226	TCX
6.807	2619107	.182	DCB	6.489	18285670	.175	DCB

Files:
Area File: 7p20188.0016.RAW
Area File: 7p20188B.0016.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/12/2012 7:16:50 PM
File Reported On: 7/12/2012 at 7:16:58 PM

ASX67 9718

IBLKX1224C KUPIBLKKU PIBLK1219399999 SW-846 8082

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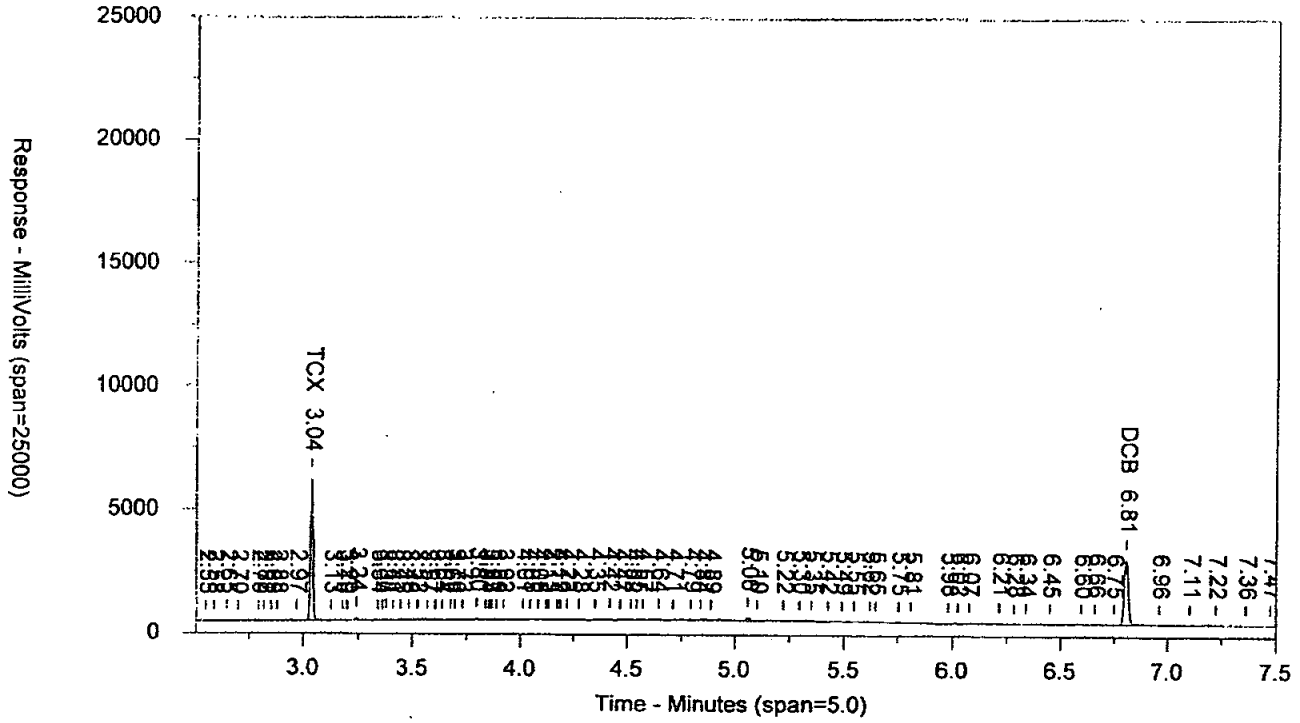

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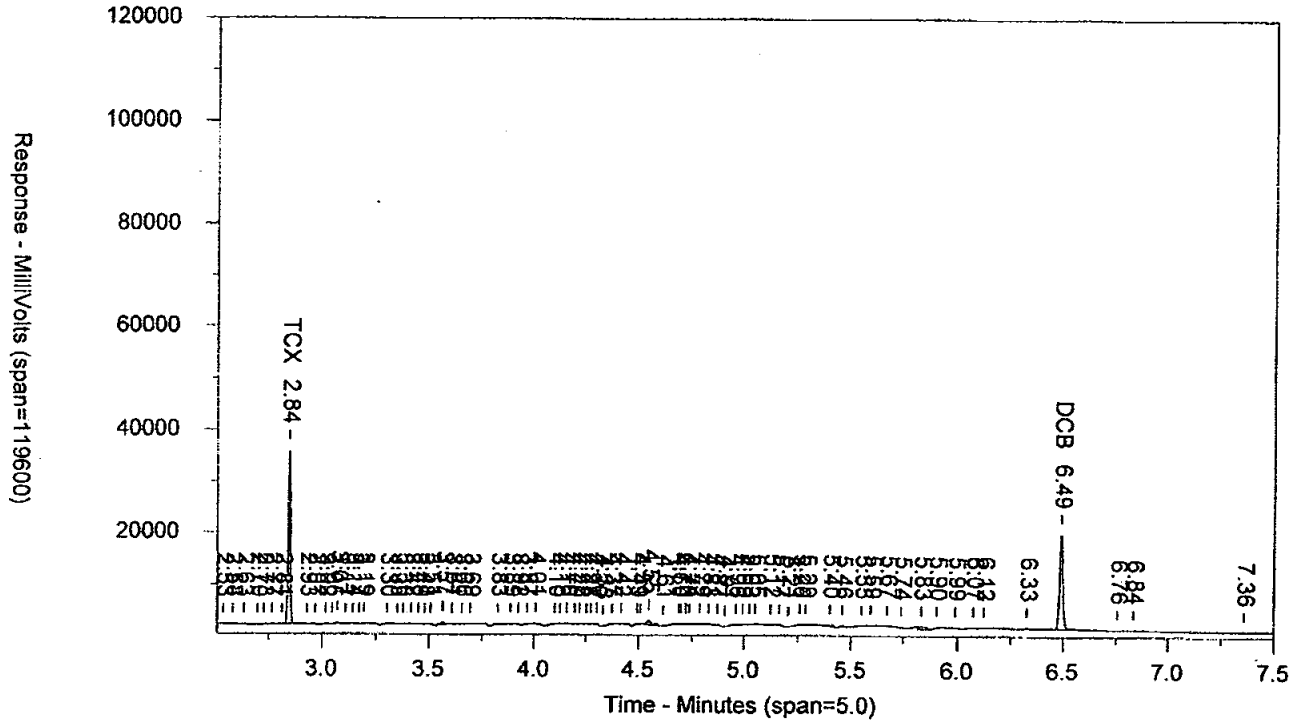

ASX67 0711

LANCASTER LABORATORIES

Sample Number: AR1631224B TCAR163TC CCAL 1219399999 Injection Volume: 1 uSW-846 8082
Injected On: 7/12/2012 9:27:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 7p20188.0026.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.521		1946	1595
2.591		4373	11049
2.645		12128	11526
2.666		14899	20168
2.75		3813	3057
2.775		2006	1005
2.804		761	2011
2.822		4785	4252
2.858		3765	2956
2.882		3358	2171
2.907		1651	1298
2.951		7878	6389
2.973		3229	1880
2.998		2813	2347
3.038	TCX	10482550	8171661
3.124		2871	2083
3.191		160260	147987
3.248		262390	286532
3.299		973379	767103
3.376		19327	10978
3.395		109078	78102
3.481		2238	12703
3.494		2140	893
3.519		921776	610586
3.536		385701	220398
3.574		121866	81537
3.59		17340	6031
3.606		80521	50374
3.637		1192341	1026496
3.671		6238	3366
3.695		17261	12084
3.713		32016	20309
3.75		245571	172246
3.765		95682	59440
3.825		2305048	3418112
3.864		1391391	1261283
3.926		1285817	1147624
3.968		84439	64073
3.995		772254	653248
4.024		577285	518553
4.046		133043	91602
4.126		880367	750545
4.15		287630	209395
4.183		329048	269813
4.22		916339	1080057
4.261		308901	287302
4.31		49063	44766
4.351		56362	53267
4.386		820346	714890
4.406		137292	77964
4.431		242985	195066
4.458		3185	2391
4.503		135497	136424
4.547		907205	1074562

ASX67 0712

RT A	Compound A	Height A	Area A
4.649		6885	6170
4.693		40089	42948
4.762		377150	597049
4.81		524642	568043
4.858		951613	1231433
4.897		169581	137863
4.938		1916203	2166161
5.029		294019	354475
5.063		43875	30357
5.089		378036	392184
5.143		2533587	3584921
5.193		449906	454071
5.236		1177103	1547998
5.315		187289	229776
5.351		2707198	3318658
5.415		1665979	1754805
5.458		922379	1052650
5.557		93796	108372
5.58		1286915	1419461
5.639		794113	858280
5.678		379087	406564
5.72		82900	86665
5.763		591774	665790
5.819		3943775	5052574
5.974		16411	30931
6.026		2168072	2417384
6.074		640316	1219141
6.214		120874	150484
6.276		23187	23568
6.3		362464	387832
6.456		856213	1048156
6.502		47578	52486
6.658		307500	388624
6.807	DCB	5113932	6401640
6.982		10636	14699
7.148		5638	9435
7.223		8544	17572
7.304		2479	2934
7.366		1678	3810
7.489		1508	1934
7.616		3456	6736
7.684		5477	9582
7.786		1844	1277
7.879		3444	6754
7.937		6295	12817
8.056		884	1315
8.13		1571	942
8.3		1683	713
8.414		2254	2656
8.525		1341	693
8.604		1412	1005
8.622		1083	570

LANCASTER LABORATORIES

Sample Number: AR1631224B TCAR163TC CCAL 1219399999 Injection Volume: 1 uSW-846 8082
Injected On: 7/12/2012 9:27:26 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 7p20188B.0026.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.514		32935	25902
2.56		14994	9228
2.58		43854	50192
2.631		93658	169424
2.693		48506	69019
2.724		63169	94192
2.763		31136	20715
2.798		7668	7824
2.81		28819	21351
2.845	TCX	63776290	44085740
2.887		323045	268516
2.928		10796	8039
2.969		32076	48991
2.984		34113	26618
3.019		884169	673594
3.082		1119225	1260442
3.137		4955214	3607218
3.193		169640	119167
3.229		14906	9123
3.253		614867	446885
3.311		16911	30673
3.35		6382098	7378808
3.404		755737	522027
3.426		287911	178927
3.452		479386	292850
3.478		6121909	4952397
3.514		194873	128975
3.561		1587827	966693
3.578		802260	416185
3.64		13579290	16139420
3.676		6779568	5856557
3.754		7162893	5528881
3.789		4378637	3094877
3.815		4497043	3061842
3.834		1232441	740839
3.888		24589	23029
3.929		5762811	4560789
3.955		1963554	1274625
3.977		1842642	1349434
4.012		673749	402243
4.028		4643293	3341749
4.076		1716934	1632293
4.123		199394	164008
4.147		1220516	827993
4.171		6410745	5022192
4.199		1340523	964925
4.221		69210	28460
4.238		628548	461762
4.278		5478669	4737633
4.319		132284	98300
4.336		266984	253149
4.437		263449	329875
4.499		1250459	1215602
4.548		938726	680776

RT B	Compound B	Height B	Area B
4.577		6007819	6049557
4.607		2344993	2579686
4.662		12400580	12358950
4.712		174717	137690
4.737		941051	695074
4.762		3246549	2841178
4.808		19996930	19464190
4.872		15363	16743
4.921		14654780	15402250
4.981		1362857	1333926
5.018		4217742	4066193
5.058		14894510	14715280
5.09		10489190	9487766
5.132		6966638	6522220
5.197		33524	19647
5.238		2392431	2861585
5.29		11129860	10668020
5.315		693450	505289
5.364		5932889	6277488
5.401		2422327	2124754
5.425		1080974	811088
5.482		30660790	32801430
5.524		492189	397128
5.56		913682	880893
5.698		6109732	6957975
5.746		17534320	21728240
5.902		832823	970200
5.944		392787	339118
5.971		161190	137265
6.021		2707582	2857449
6.125		6049866	6206019
6.157		164922	133989
6.328		1996601	2277202
6.491	DCB	40491010	42949520
6.837		48343	82508
6.908		52397	79548
7.094		15857	25888
7.364		47824	70303
7.482		7608	3857
7.525		9487	9601
7.666		13692	33438
7.824		5701	7491
7.895		4696	3076
7.93		11144	29698
8.032		9643	15790
8.208		4808	2961
8.243		5782	4389
8.453		7720	16668

ASX67 0715

AR1631224B TCAR163TC CCAL 1219399999 SW-846 8082

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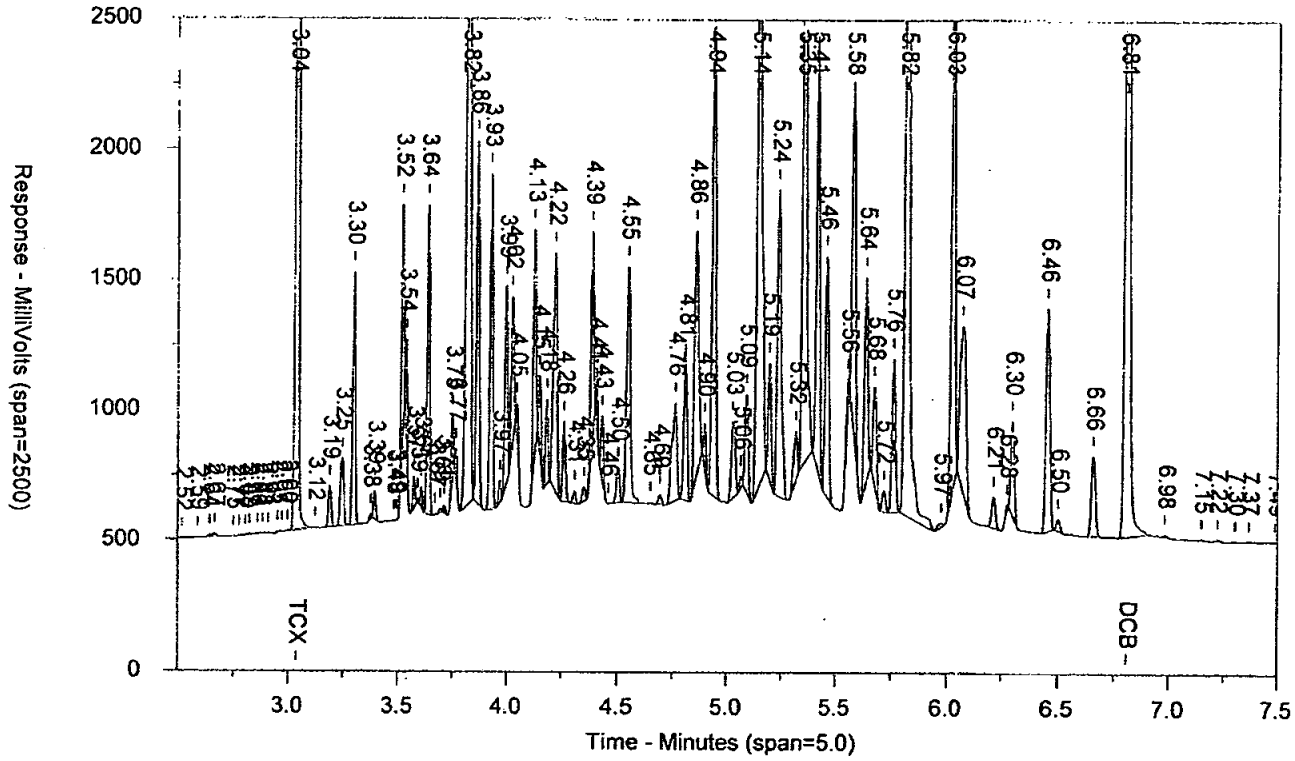

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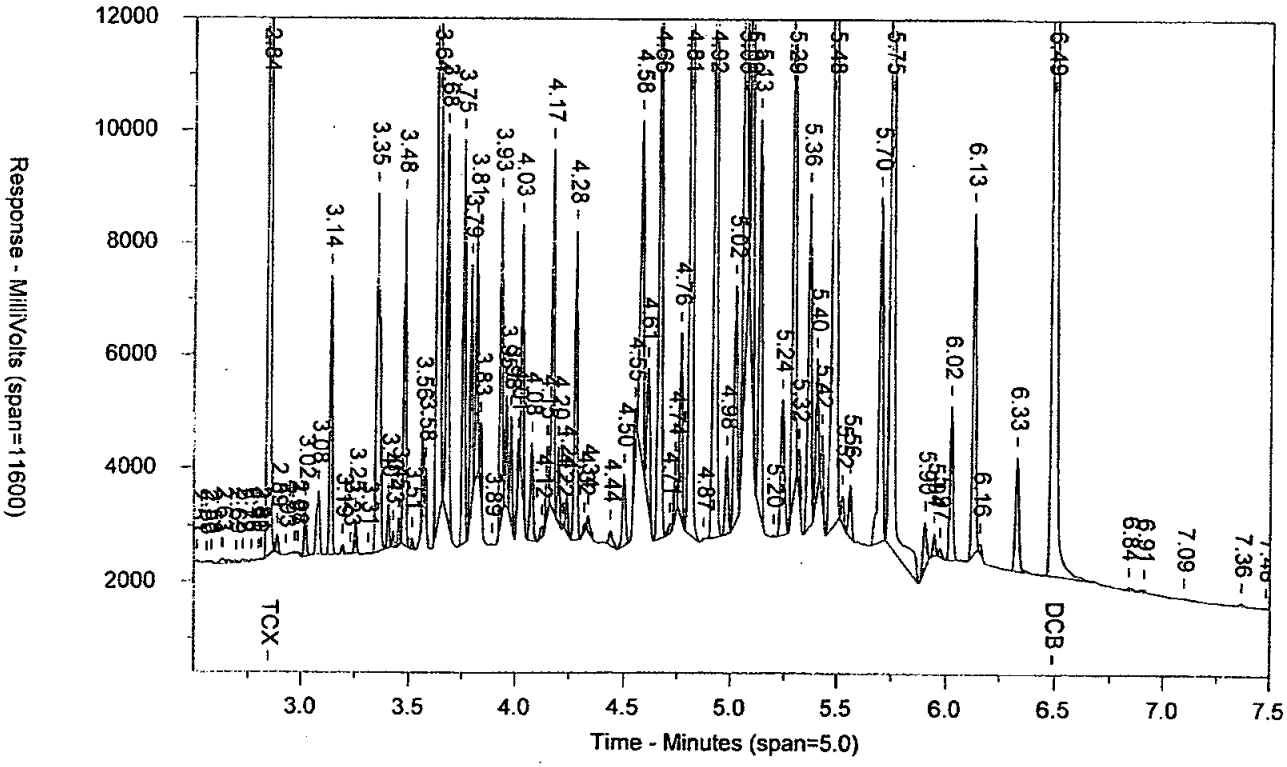

ASX67 8716

LANCASTER LABORATORIES

Sample Number: AR1631224B TCAR163TC CCAL 1219399999 Sample Weight: $W-846 8082
Injected On: 7/12/2012 9:27:26 PM Dilution Factor: 1
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	10482550	40.598	TCX	2.845	63776290	42.644	TCX
6.807	5113932	35.5	DCB	6.491	40491010	38.688	DCB

Files:
Area File: 7p20188.0026.RAW
Area File: 7p20188B.0026.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/12/2012 9:36:07 PM
File Reported On: 7/12/2012 at 9:36:13 PM

ASX67 8717

AR1631224B TCAR163TC CCAL 1219399999 SW-846 8082

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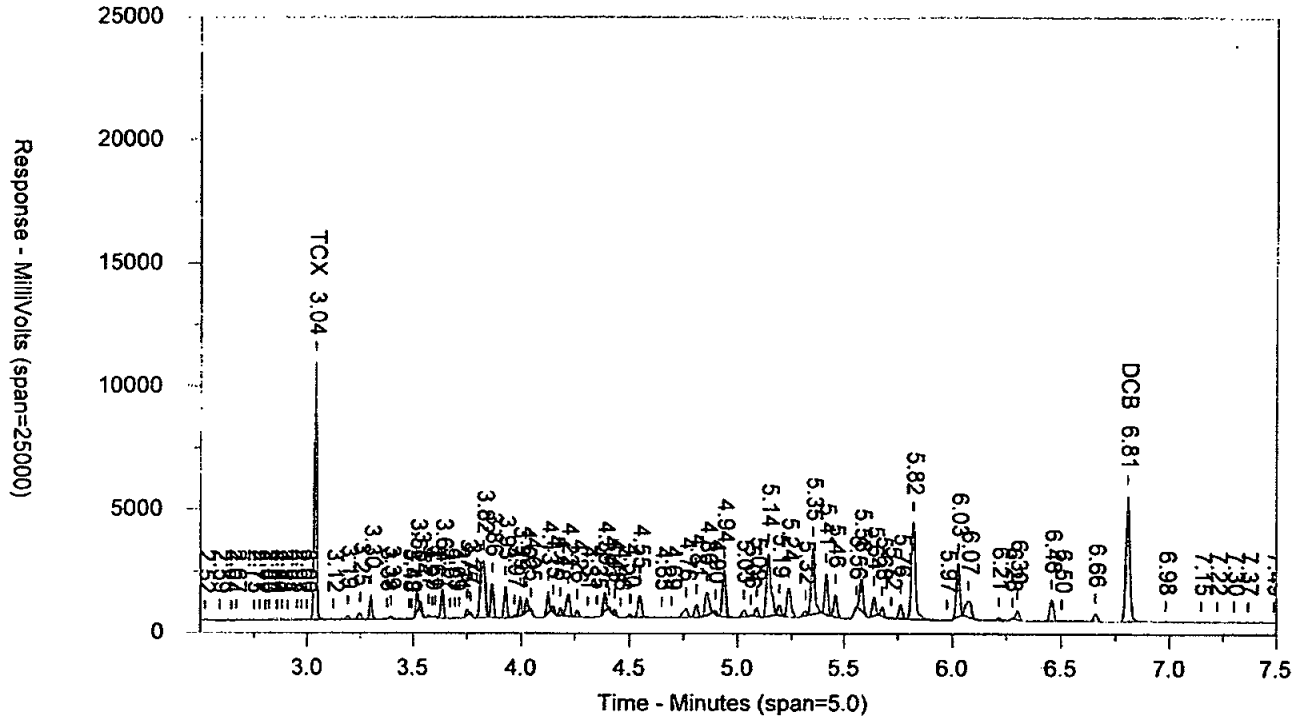

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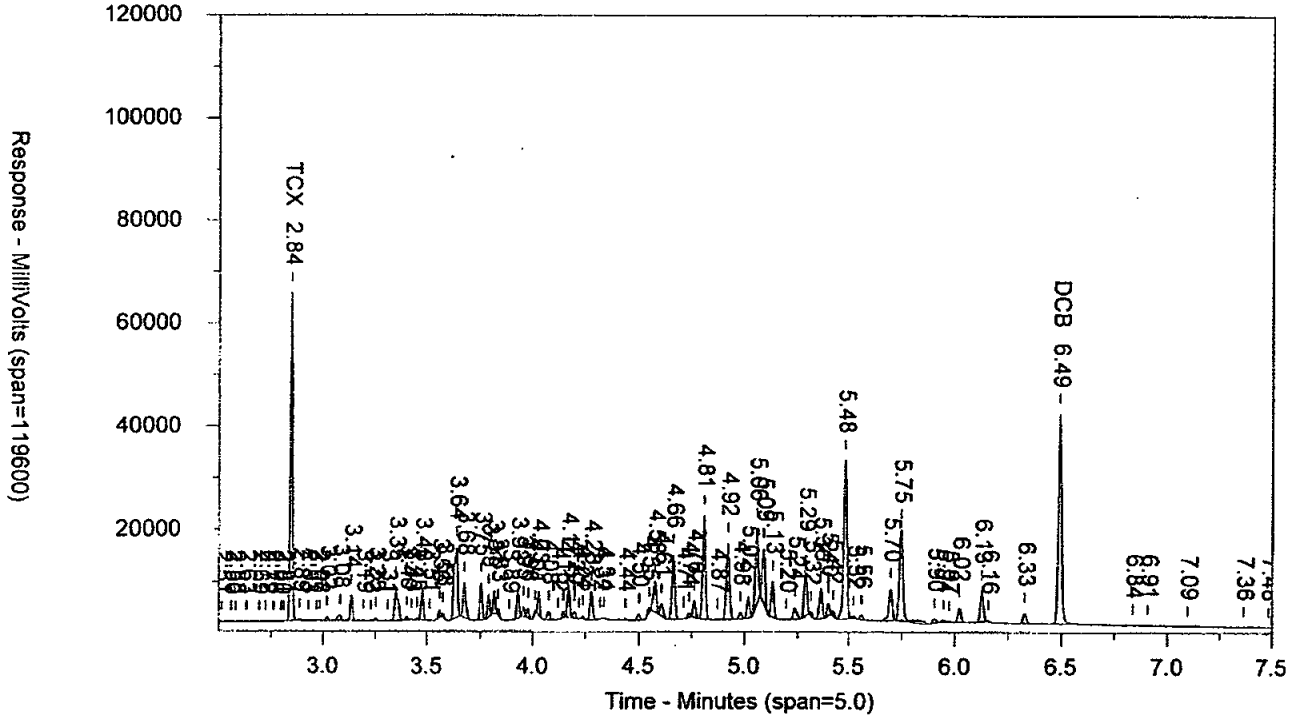

ASX67 8718

LANCASTER LABORATORIES

Sample Number: IBLKX1224C KPPIBLKKP PIBLK1219399999 Injection Volume: 1SW-846 8082
Injected On: 7/12/2012 9:38:50 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 7p20188.0027.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.55		20469	26036
2.589		18766	35834
2.627		16703	21021
2.646		20814	46383
2.734		5577	7497
2.789		2582	2367
2.821		7444	6644
2.858		9586	7720
2.883		18605	51581
2.97		15627	27014
2.997		2138	1320
3.038	TCX	5660026	4285840
3.128		11321	8289
3.169		1302	808
3.204		3606	2831
3.242		88282	64616
3.294		9006	7605
3.341		2237	9456
3.377		26727	22535
3.403		4457	3505
3.436		3751	2876
3.46		4282	3040
3.497		6935	6597
3.553		2268	904
3.569		2290	1009
3.632		18951	42997
3.676		8618	11173
3.695		15591	11804
3.733		4536	6442
3.796		107904	105998
3.839		5080	6454
3.889		3225	3485
3.914		6729	8819
3.951		1961	729
4.018		7922	18196
4.037		2414	1487
4.052		7308	5805
4.11		1818	1119
4.14		2120	402
4.169		17842	30038
4.235		3697	2409
4.275		1454	1018
4.291		7680	14995
4.349		28964	49074
4.42		59476	92726
4.469		15390	27908
4.516		2950	2684
4.546		2856	2962
4.574		2884	1839
4.611		2472	1493
4.645		8233	11322
4.709		23323	68618
4.796		21212	24381
4.886		2622	1144

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RT A	Compound A	Height A	Area A
4.955		2910	2211
5.063		145203	169873
5.104		27415	43303
5.141		5130	7209
5.224		18141	26481
5.295		14837	19887
5.344		6561	19178
5.423		17741	33903
5.479		8976	26930
5.575		7867	23518
5.625		1569	1491
5.649		22342	58779
5.755		13006	26452
5.817		10535	9876
5.902		8632	36717
5.977		23163	51354
6.028		14200	17917
6.079		13062	20826
6.215		30793	44806
6.28		7468	14241
6.343		1938	2278
6.451		4681	5965
6.517		1620	4524
6.603		2795	3830
6.657		23231	28680
6.69		1190	490
6.739		1439	624
6.808	DCB	2528125	3454778
6.98		2651	2468
7.09		2487	1957
7.146		2209	4588
7.219		3385	5037
7.298		1200	425
7.497		1268	794
7.571		1620	387
7.603		1456	342
7.616		1438	905
7.879		1966	2716
7.922		1662	406
7.942		2340	2969
8.054		2978	5506
8.363		1500	958
8.398		1396	752
8.465		1252	549
8.528		1977	966
8.552		1366	757
8.651		2616	9167

ASX67 0726

LANCASTER LABORATORIES

Sample Number: IBLKX1224C KPPIBLKKP PIBLK1219399999 Injection Volume: 1SW-846 8082
Injected On: 7/12/2012 9:38:50 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 7p20188B.0027.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.518		7448	2511
2.577		24469	26382
2.629		217079	688369
2.698		251605	424421
2.726		204252	397006
2.765		117467	98333
2.811		41118	27306
2.844	TCX	31409920	22142530
2.929		154337	695631
3.018		99459	233442
3.049		18120	14002
3.071		401442	281467
3.11		13125	9545
3.125		15225	14269
3.175		8619	5011
3.192		80226	56440
3.226		144613	508984
3.303		60494	277336
3.322		13342	11399
3.347		17078	9122
3.372		21867	15830
3.419		8676	5363
3.44		27843	24733
3.482		33098	30375
3.565		818781	1040924
3.607		57137	88620
3.656		33293	36968
3.698		11153	7261
3.713		27123	17242
3.732		52909	532849
3.823		304213	811949
3.889		31758	35483
3.922		168915	165425
3.969		206023	440979
4.007		307204	785774
4.093		90589	285457
4.11		7335	4225
4.134		14827	14925
4.158		26337	38939
4.217		33867	39901
4.27		17102	16696
4.292		99645	247990
4.328		58038	32690
4.382		105298	420879
4.428		327863	1118615
4.495		183530	363129
4.546		865724	1692294
4.614		59913	40552
4.696		78282	760863
4.789		118120	154450
4.872		283775	404323
4.907		55788	37200
4.959		147484	415571
4.989		77994	68365

ASX67 0721

RT B	Compound B	Height B	Area B
5.055		23393	18211
5.121		73239	105749
5.17		244288	381857
5.206		40271	29579
5.268		29325	318348
5.288		23326	29615
5.336		44622	82697
5.393		312737	920397
5.461		351633	593568
5.547		157314	498952
5.6		48339	105878
5.67		140096	639695
5.742		57846	41070
5.766		8913	3117
5.829		432098	1820893
5.903		254516	361170
5.978		95138	251471
6.083		58965	231526
6.121		57295	827298
6.328		198158	424238
6.491	DCB	16428950	19375710
6.758		47152	120969
6.834		25232	148574
7.089		18616	63092
7.362		24041	43847
7.467		7494	2379
7.594		7404	5639
7.672		8828	17826
7.923		10502	19397
8.014		5874	7286
8.08		4405	4992
8.347		6232	4050
8.524		5063	5242
8.629		11090	57786

ASX67 0722

IBLKX1224C KPPIBLKKP PIBLK1219399999 SW-846 8082

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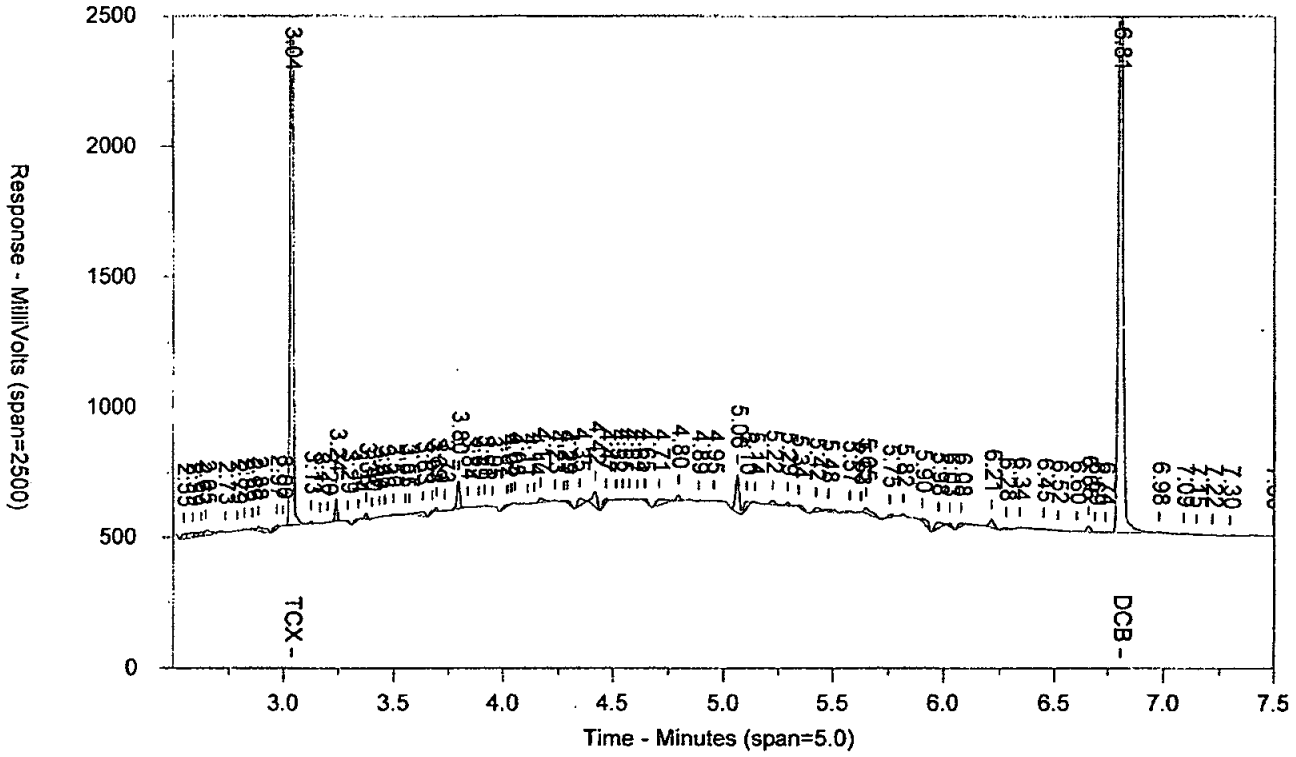

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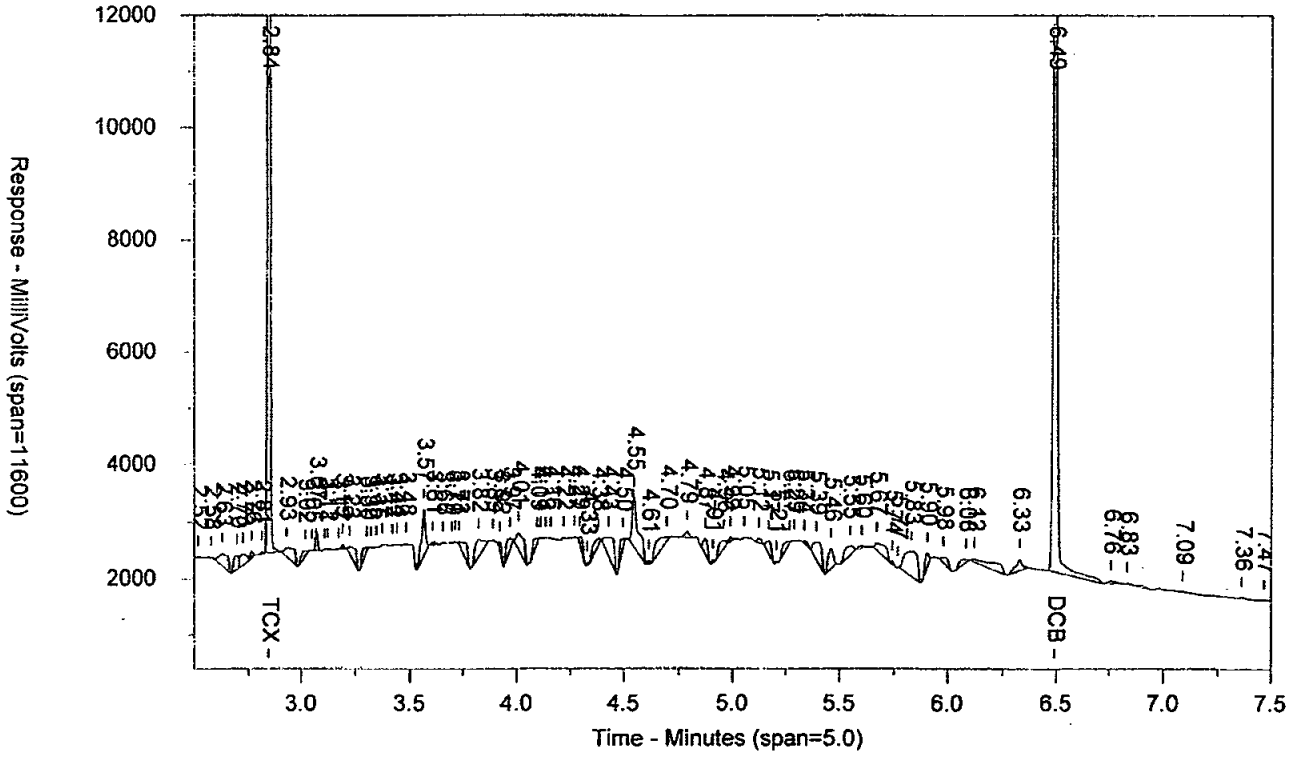

ASX67 8723

LANCASTER LABORATORIES

Sample Number: IBLKX1224C KPPIBLKKP PIBLK1219399999 Sample Weight: 8082
Injected On: 7/12/2012 9:38:50 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	5660026	.219	TCX	2.844	31409920	.21	TCX
6.808	2528125	.175	DCB	6.491	16428950	.157	DCB

Files:
Area File: 7p20188.0027.RAW
Area File: 7p20188B.0027.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/12/2012 9:47:32 PM
File Reported On: 7/12/2012 at 9:47:36 PM

IBLKX1224C KPPIBLKKP PIBLK1219399999 SW-846 8082

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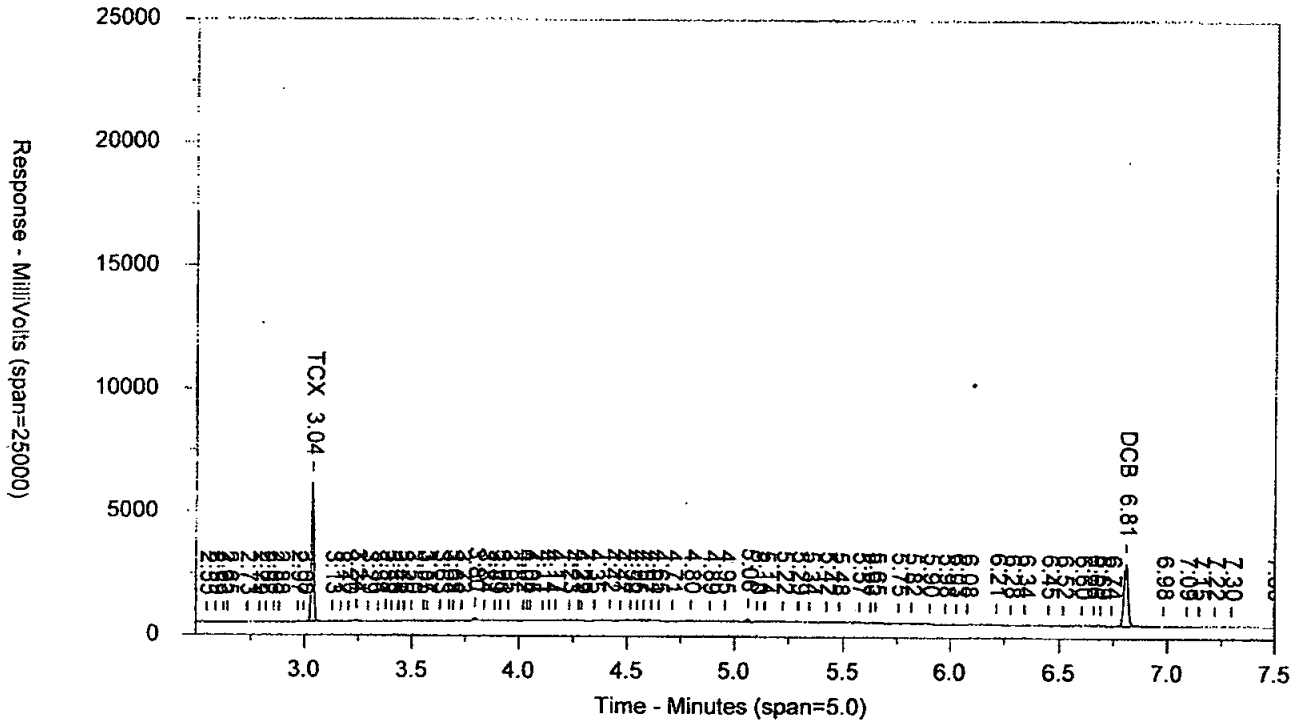

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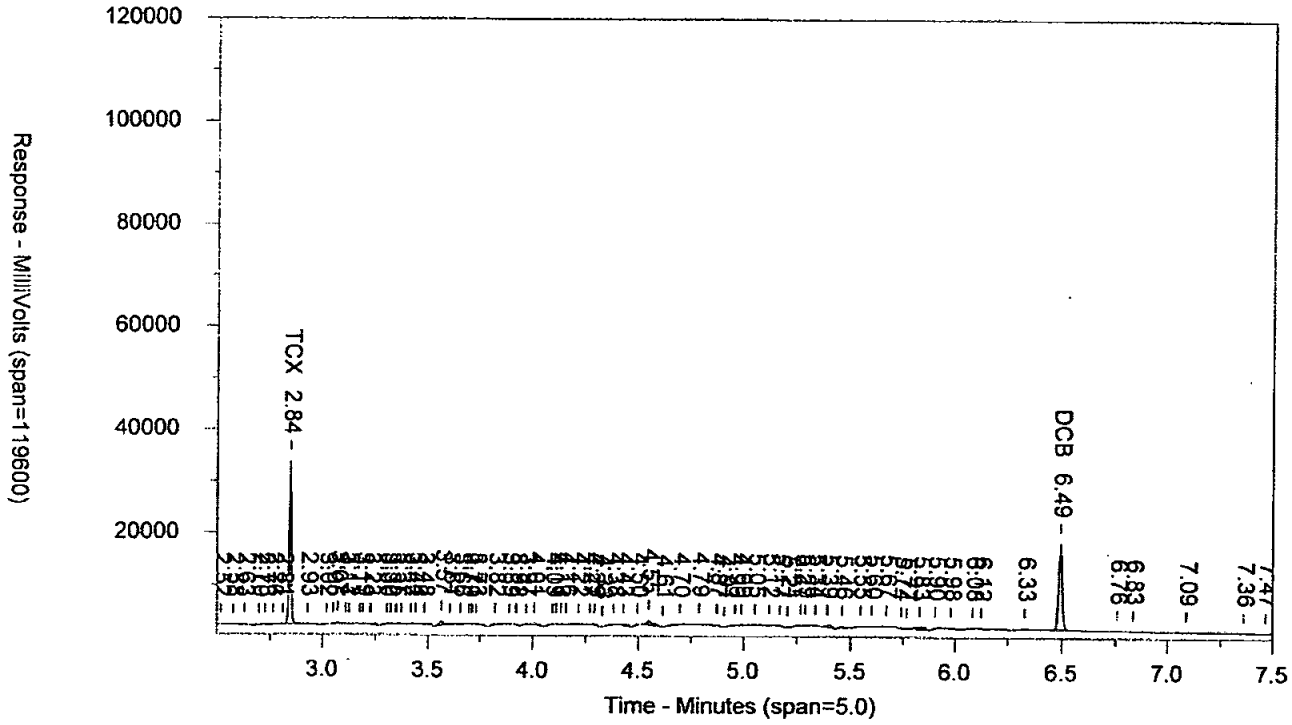

ASX67 0725

Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP7\1p7190.seq

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

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

Number of Entries: 74

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	1p7190.01R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
2	CONDITIONER	2	MISC	AA	1p7190.02R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
3	CONDITIONER	3	MISC	AA	1p7190.03R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
4	CONDITIONER	4	MISC	AA	1p7190.04R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
5	IBLKX1224C	5	PIBLK	AA	1p7190.05R	:\CP7\PESTDI7.MET	1000	10	1	0	1218999999	
6	AR1611224B	6	ICAL	AA	1p7190.06R	:\CP7\PESTDI7.MET	1	1	1	1	1218999999	
7	AR1621224B	7	ICAL	AA	1p7190.07R	:\CP7\PESTDI7.MET	1	1	1	2	1218999999	
8	AR1631224B	8	ICAL	AA	1p7190.08R	:\CP7\PESTDI7.MET	1	1	1	3	1218999999	
9	AR1641224B	9	ICAL	AA	1p7190.09R	:\CP7\PESTDI7.MET	1	1	1	4	1218999999	
10	AR1651224B	10	ICAL	AA	1p7190.10R	:\CP7\PESTDI7.MET	1	1	1	5	1218999999	
11	AR4811224A did not use	11	ICAL	AA	1p7190.11R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
12	AR4821224A	12	ICAL	AA	1p7190.12R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
13	AR4831224A	13	ICAL	AA	1p7190.13R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
14	AR4811224A	14	ICAL	AA	1p7190.14R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
15	AR4841224A	15	ICAL	AA	1p7190.15R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
16	AR4851224A	16	ICAL	AA	1p7190.16R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
17	AR5411224A	17	ICAL	AA	1p7190.17R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
18	AR5421224A	18	ICAL	AA	1p7190.18R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
19	AR5431224A	19	ICAL	AA	1p7190.19R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
20	AR5441224A	20	ICAL	AA	1p7190.20R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
21	AR5451224A	21	ICAL	AA	1p7190.21R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
22	AR6231224A	22	ICAL	AA	1p7190.22R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
23	AR6831224A	23	ICAL	AA	1p7190.23R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
24	AR2131224A	24	ICAL	AA	1p7190.24R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
25	AR32X1224B	25	ICAL	AA	1p7190.25R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
26	AR4231224A	26	ICAL	AA	1p7190.26R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
27	AR16XX1224B	27	ICAL	AA	1p7190.27R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
28	MD16X1224B	28	ICAL	AA	1p7190.28R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
29	IC16X1224B did not use needed to RI level	29	CCAL	AA	1p7190.29R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
30	IC48X1224A	30	CCAL	AA	1p7190.30R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
31	AR4821224A	31	CCAL	BQ	1p7190.31R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
32	IC16X1224B	32	CCAL	NB	1p7190.32R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
33	IC48X1224A	33	CCAL	CC	1p7190.33R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
34	IC54X1224A	34	CCAL	AA	1p7190.34R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
35	BLANKA 7/7/12AF	35	BLK	AB	1p7190.35R	:\CP7\PESTDI7.MET	1000	10	1	0	121880003A	10591
36	LCSA 7/7/12AF	36	LCS	AB	1p7190.36R	:\CP7\PESTDI7.MET	1000	10	1	0	121880003A	10591
37	LCSDA 7/7/12AF	37	LCSD	AB	1p7190.37R	:\CP7\PESTDI7.MET	1000	10	1	0	121880003A	10591
38	6711646AF	38	T	AB	1p7190.38R	:\CP7\PESTDI7.MET	1055	10	1	0	121880003A	10591
39	6713123AF	39	T	AB	1p7190.39R	:\CP7\PESTDI7.MET	1045	10	1	0	121880003A	10591
40	AR1631224B	40	CCAL	QV	1p7190.40R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
41	IBLKX1224C	41	PIBLK	II	1p7190.41R	:\CP7\PESTDI7.MET	1000	10	1	0	1218999999	
42	MS1218424A	42	MISC	AA	1p7190.42R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
43	MS1218424B	43	MISC	AA	1p7190.43R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
44	BLANKA 6/28/12 RI A	44	BLK	AB	1p7190.44R	:\CP7\PESTDI7.MET	30	10	1	0	121790017A	
45	DCBA 6/28/12 RI A	45	CRDL	AB	1p7190.45R	:\CP7\PESTDI7.MET	30	10	1	0	121790017A	
46	DCBB 6/28/12 RI A	46	CRDL	AB	1p7190.46R	:\CP7\PESTDI7.MET	30	10	1	0	121790017A	
47	DCBC 6/28/12 RI A	47	CRDL	AB	1p7190.47R	:\CP7\PESTDI7.MET	30	10	1	0	121790017A	
48	DCBD 6/28/12 RI A	48	CRDL	AB	1p7190.48R	:\CP7\PESTDI7.MET	30	10	1	0	121790017A	
49	DCBE 6/28/12 RI A	49	CRDL	AB	1p7190.49R	:\CP7\PESTDI7.MET	30	10	1	0	121790017A	
50	DCBF 6/28/12 RI A	50	CRDL	AB	1p7190.50R	:\CP7\PESTDI7.MET	30	10	1	0	121790017A	

ASX67 8726

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP7\1p7190.seq

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

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

Number of Entries: 74

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51	DCBG 6/28/12 RI A	51	CRDL	AB	1p7190.51R	:\CP7\PESTDI7.MET	30	10	1	0	121790017A	
52	BLANKA 7/2/12 RI AF	52	BLK	AB	1p7190.52R	:\CP7\PESTDI7.MET	1000	10	1	0	121840009A	
53	DCBA 7/2/12 RI AF	53	CRDL	AB	1p7190.53R	:\CP7\PESTDI7.MET	1000	10	1	0	121840009A	
54	DCBB 7/2/12 RI AF	54	CRDL	AB	1p7190.54R	:\CP7\PESTDI7.MET	1000	10	1	0	121840009A	
55	DCBC 7/2/12 RI AF	55	CRDL	AB	1p7190.55R	:\CP7\PESTDI7.MET	1000	10	1	0	121840009A	
56	DCBD 7/2/12 RI AF	56	CRDL	AB	1p7190.56R	:\CP7\PESTDI7.MET	1000	10	1	0	121840009A	
57	DCBE 7/2/12 RI AF	57	CRDL	AB	1p7190.57R	:\CP7\PESTDI7.MET	1000	10	1	0	121840009A	
58	DCBF 7/2/12 RI AF	58	CRDL	AB	1p7190.58R	:\CP7\PESTDI7.MET	1000	10	1	0	121840009A	
59	DCBG 7/2/12 RI AF	59	CRDL	AB	1p7190.59R	:\CP7\PESTDI7.MET	1000	10	1	0	121840009A	
60	AR1631224B	60	CCAL	QU	1p7190.60R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
61	AR5431224A	61	CCAL	AS	1p7190.61R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
62	IBLKX1224C	62	PIBLK	IH	1p7190.62R	:\CP7\PESTDI7.MET	1000	10	1	0	1218999999	
63	BLANKA 7/7/12ACF	63	BLK	AB	1p7190.63R	:\CP7\PESTDI7.MET	30	10	1	0	121880017A	10736
64	LCSA 7/7/12ACF	64	LCS	AB	1p7190.64R	:\CP7\PESTDI7.MET	30	10	1	0	121880017A	10736
65	6712128ACF	65	T	AB	1p7190.65R	:\CP7\PESTDI7.MET	30.3	10	1	0	121880017A	10736
66	6712128MSACF	66	MS	AB	1p7190.66R	:\CP7\PESTDI7.MET	30.2	10	1	0	121880017A	10736
67	6712128MSDACF	67	MSD	AB	1p7190.67R	:\CP7\PESTDI7.MET	30.4	10	1	0	121880017A	10736
68	6712129ACF	68	T	AB	1p7190.68R	:\CP7\PESTDI7.MET	30.4	10	1	0	121880017A	10736
69	6712130ACF	69	T	AB	1p7190.69R	:\CP7\PESTDI7.MET	30.2	10	1	0	121880017A	10736
70	6712131ACF	70	T	AB	1p7190.70R	:\CP7\PESTDI7.MET	30.3	10	1	0	121880017A	10736
71	6712136ACF DF5	71	T	AC	1p7190.71R	:\CP7\PESTDI7.MET	30.1	50	1	0	121880017A	10736
72	AR1631224B	72	CCAL	QY	1p7190.72R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
73	AR5431224A	73	CCAL	AT	1p7190.73R	:\CP7\PESTDI7.MET	1	1	1	0	1218999999	
74	IBLKX1224C	74	PIBLK	IL	1p7190.74R	:\CP7\PESTDI7.MET	1000	10	1	0	1218999999	

Jamie L. Brithart

Jamie L. Brithart
Senior Chemist

Set-up by: JUL 09 2012 Date:

ASX67 0727

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP7\6p7190.seq

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

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

Number of Entries: 61

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1	CONDITIONER	1	MISC	AA	6p7190.01R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
2	CONDITIONER	2	MISC	AA	6p7190.02R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
3	CONDITIONER	3	MISC	AA	6p7190.03R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
4	CONDITIONER	4	MISC	AA	6p7190.04R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
5	AR1631224B	5	CCAL	TW	6p7190.05R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
6	IBLKX1224C	6	PIBLK	LO	6p7190.06R	:\CP7\PESTDI7.MET	1000	10	1	0	1219799999	
7	BLANKA 7/10/12AF	7	BLK	AB	6p7190.07R	:\CP7\PESTDI7.MET	1000	10	1	0	121910018A	06030
8	LCSA 7/10/12AF	8	LCS	AB	6p7190.08R	:\CP7\PESTDI7.MET	1000	10	1	0	121910018A	06030
9	LCSDA 7/10/12AF	9	LCSD	AB	6p7190.09R	:\CP7\PESTDI7.MET	1000	10	1	0	121910018A	06030
10	6712426AF	10	T	AB	6p7190.10R	:\CP7\PESTDI7.MET	1045	10	1	0	121910018A	06030
11	6712427AF	11	T	AB	6p7190.11R	:\CP7\PESTDI7.MET	1047	10	1	0	121910018A	06030
12	6712432AF	12	T	AB	6p7190.12R	:\CP7\PESTDI7.MET	1018	10	1	0	121910018A	06030
13	6706987 RI ACF	13	T	AB	6p7190.13R	:\CP7\PESTDI7.MET	30	10	1	0	121840016A	10736
14	BLANKA 7/16/12AF	14	BLK	AB	6p7190.14R	:\CP7\PESTDI7.MET	1000	10	1	0	121960006A	10227
15	LCSA 7/16/12AF	15	LCS	AB	6p7190.15R	:\CP7\PESTDI7.MET	1000	10	1	0	121960006A	10227
16	LCSDA 7/16/12AF	16	LCSD	AB	6p7190.16R	:\CP7\PESTDI7.MET	1000	10	1	0	121960006A	10227
17	AR1631224B	17	CCAL	TX	6p7190.17R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
18	IBLKX1224C	18	PIBLK	LP	6p7190.18R	:\CP7\PESTDI7.MET	1000	10	1	0	1219799999	
19	6719616AF	19	T	AB	6p7190.19R	:\CP7\PESTDI7.MET	1029	10	1	0	121960006A	10227
20	BLANKA 7/12/12AF	20	BLK	AB	6p7190.20R	:\CP7\PESTDI7.MET	1000	10	1	0	121930010A	10227
21	LCSA 7/12/12AF	21	LCS	AB	6p7190.21R	:\CP7\PESTDI7.MET	1000	10	1	0	121930010A	10227
22	LCSDA 7/12/12AF	22	LCSD	AB	6p7190.22R	:\CP7\PESTDI7.MET	1000	10	1	0	121930010A	10227
23	6711113RAF	23	T	AB	6p7190.23R	:\CP7\PESTDI7.MET	1042	10	1	0	121930010A	10227
24	AR1631224B	24	CCAL	TY	6p7190.24R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
25	IBLKX1224C	25	PIBLK	LQ	6p7190.25R	:\CP7\PESTDI7.MET	1000	10	1	0	1219799999	
26	BLANKA 7/10/12 RI C	26	BLK	AC	6p7190.26R	:\CP7\PESTDI7.MET	30	10	1	0	121920013A	10592
27	LCSA 7/10/12 RI C	27	LCS	AC	6p7190.27R	:\CP7\PESTDI7.MET	30	10	1	0	121920013A	10592
28	6713144 RI CAF	28	T	AC	6p7190.28R	:\CP7\PESTDI7.MET	3.4	10	1	0	121920013A	10592
29	CONDITIONER	29	MISC	AA	6p7190.29R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
30	6713144MS RI CAF	30	MS	AC	6p7190.30R	:\CP7\PESTDI7.MET	3.1	10	1	0	121920013A	10592
31	CONDITIONER	31	MISC	AA	6p7190.31R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
32	6713144MSD RI CAF	32	MSD	AC	6p7190.32R	:\CP7\PESTDI7.MET	3	10	1	0	121920013A	10592
33	CONDITIONER	33	MISC	AA	6p7190.33R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
34	AR1631224B	34	CCAL	TZ	6p7190.34R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
35	IBLKX1224C	35	PIBLK	LR	6p7190.35R	:\CP7\PESTDI7.MET	1000	10	1	0	1219799999	
36	6711399ACF	36	T	AB	6p7190.36R	:\CP7\PESTDI7.MET	30	10	1	0	121920006A	10736
37	6711403ACF	37	T	AB	6p7190.37R	:\CP7\PESTDI7.MET	30	10	1	0	121920006A	10736
38	6711405ACF	38	T	AB	6p7190.38R	:\CP7\PESTDI7.MET	30.2	10	1	0	121920006A	10736
39	6711406ACF	39	T	AB	6p7190.39R	:\CP7\PESTDI7.MET	30.1	10	1	0	121920006A	10736
40	6711407ACF	40	T	AB	6p7190.40R	:\CP7\PESTDI7.MET	30.2	10	1	0	121920006A	10736
41	6711408ACF	41	T	AB	6p7190.41R	:\CP7\PESTDI7.MET	30.1	10	1	0	121920006A	10736
42	CONDITIONER	42	MISC	AA	6p7190.42R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
43	AR1631224B	43	CCAL	UA	6p7190.43R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
44	IBLKX1224C	44	PIBLK	LS	6p7190.44R	:\CP7\PESTDI7.MET	1000	10	1	0	1219799999	
45	6707595ACF	45	T	AB	6p7190.45R	:\CP7\PESTDI7.MET	30.1	10	1	0	121920006A	10736
46	6713209ACF	46	T	AB	6p7190.46R	:\CP7\PESTDI7.MET	30.1	10	1	0	121920006A	10736
47	6713210ACF	47	T	AB	6p7190.47R	:\CP7\PESTDI7.MET	30	10	1	0	121920006A	10736
48	6713211ACF	48	T	AB	6p7190.48R	:\CP7\PESTDI7.MET	30	10	1	0	121920006A	10736
49	6713211ACF DF5	49	T	AC	6p7190.49R	:\CP7\PESTDI7.MET	30	50	1	0	121920006A	10736
50	CONDITIONER	50	MISC	AA	6p7190.50R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	

ASX67 8728

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP7\6p7190.seq

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

Number of Entries: 61

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51	6713212ACF	51	T	AB	6p7190.51R	:\CP7\PESTDI7.MET	30	10	1	0	121920006A	10736
52	6713212ACF DF5	52	T	AC	6p7190.52R	:\CP7\PESTDI7.MET	30	50	1	0	121920006A	10736
53	CONDITIONER	53	T	AA	6p7190.53R	:\CP7\PESTDI7.MET	30	50	1	0	121920006A	10736
54	6713213ACF	54	T	AB	6p7190.54R	:\CP7\PESTDI7.MET	30	10	1	0	121920006A	10736
55	CONDITIONER	55	MISC	AA	6p7190.55R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
56	6713213ACF DF5	56	T	AC	6p7190.56R	:\CP7\PESTDI7.MET	30	50	1	0	121920006A	10736
57	6713214ACF	57	T	AB	6p7190.57R	:\CP7\PESTDI7.MET	30	10	1	0	121920006A	10736
58	6713215ACF	58	T	AB	6p7190.58R	:\CP7\PESTDI7.MET	30	10	1	0	121920006A	10736
59	CONDITIONER	59	MISC	AA	6p7190.59R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
60	AR1631224B	60	CCAL	UB	6p7190.60R	:\CP7\PESTDI7.MET	1	1	1	0	1219799999	
61	IBLKX1224C	61	PIBLK	LT	6p7190.61R	:\CP7\PESTDI7.MET	1000	10	1	0	1219799999	

Set-up by: 285 Date: 17Sep12

7/17/2012

ASX67 8729

LANCASTER LABORATORIES

Sample Number: IBLKX1224C AAPIBLKAA PIBLK1218999999 Injection VolumeSW846 8082
Injected On: 7/8/2012 4:39:13 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.005.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.532		3566	17947
1.757		1994	14848
1.973		3776	34175
2.164		5270	55655
2.426		4413	33344
2.709		1465	17757
2.924		1157	1983
3.009		990	1797
3.226		817	6959
3.333		427	798
3.49		379	920
3.635		4956	19284
3.752		397	1305
3.855	TCX	230093	486248
4.131		3604	8525
4.283		653	3965
4.642		1874	9594
4.755		626	2743
5.052		3370	29318
5.211		1072	7466
5.38		148	372
5.535		1618	3699
5.601		2019	8534
5.842		491	5449
6.092		728	6139
6.145		1005	2721
6.388		2661	10516
6.565		1154	13356
6.638		669	1335
6.934		1587	11487
7.02		276	940
7.186		2884	9307
7.306		850	7206
7.624		1022	3662
7.683		895	1499
7.803		812	7656
7.994		5603	16141
8.142		3616	25764
8.355		345	6591
8.737		1411	22275
8.898		1308	5978
9.26	DCB	126423	488198
9.663		756	12210
10.168		260	2535
10.605		406	3874

ASX67 8738

LANCASTER LABORATORIES

Sample Number: IBLKX1224C AAPIBLKAA PIBLK1218999999
Injected On: 7/8/2012 4:39:13 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.005.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 uSW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.585		20045	212301
3.402		443	1465
3.561		1268	3681
3.693	TCX	77576	153417
3.993		819	1872
4.224		370	876
4.463		263	1108
4.603		451	748
4.836		271	824
4.978		1081	3238
5.177		225	1372
5.343		1556	5467
5.702		1399	3821
5.966		335	1271
6.056		1380	3589
6.403		1729	5364
6.74		2559	10764
6.905		420	2276
7.074		1632	6017
7.442		1659	5897
7.64		631	2062
7.832		1430	5565
8.317		827	1968
8.713	DCB	78583	218119
8.906		912	3149
9.661		793	4106
10.634		956	12350

ASX67 8731

IBLKX1224C AAPIBLKAA PIBLK1218999999 SW-846 8082

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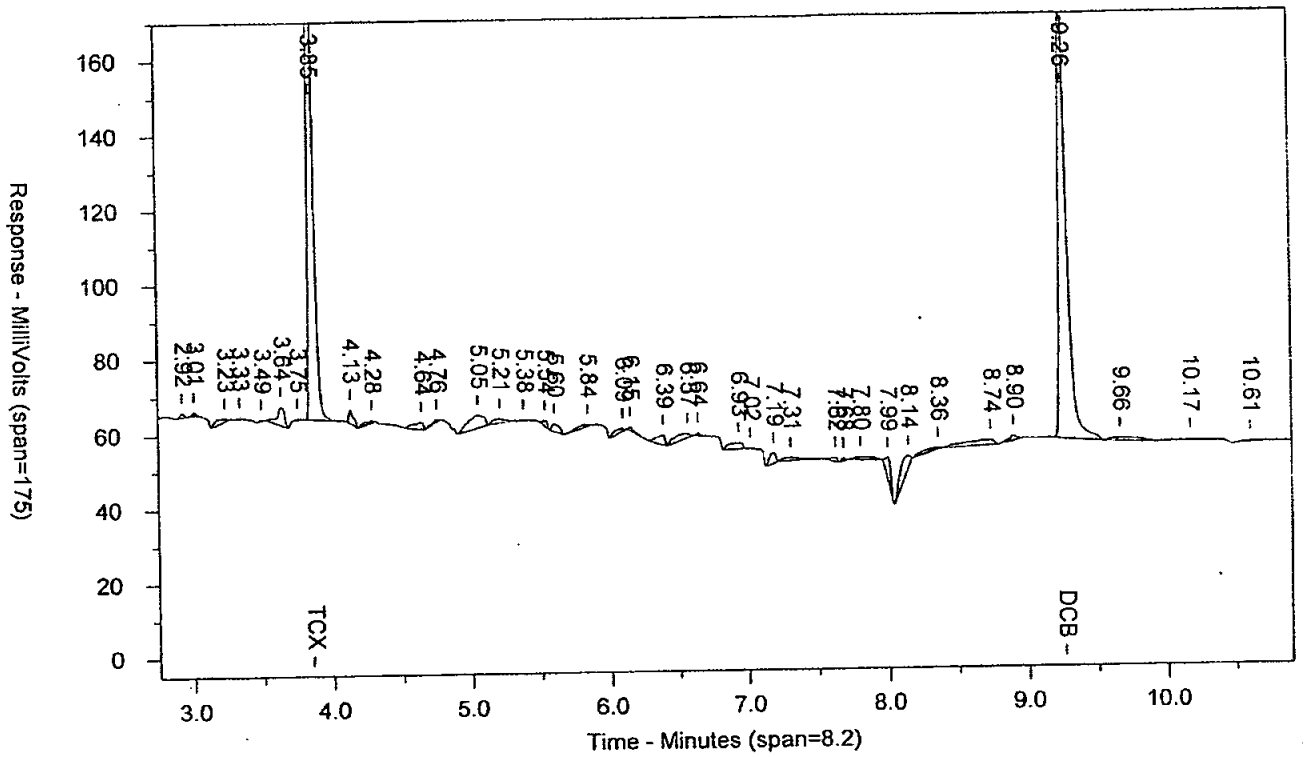

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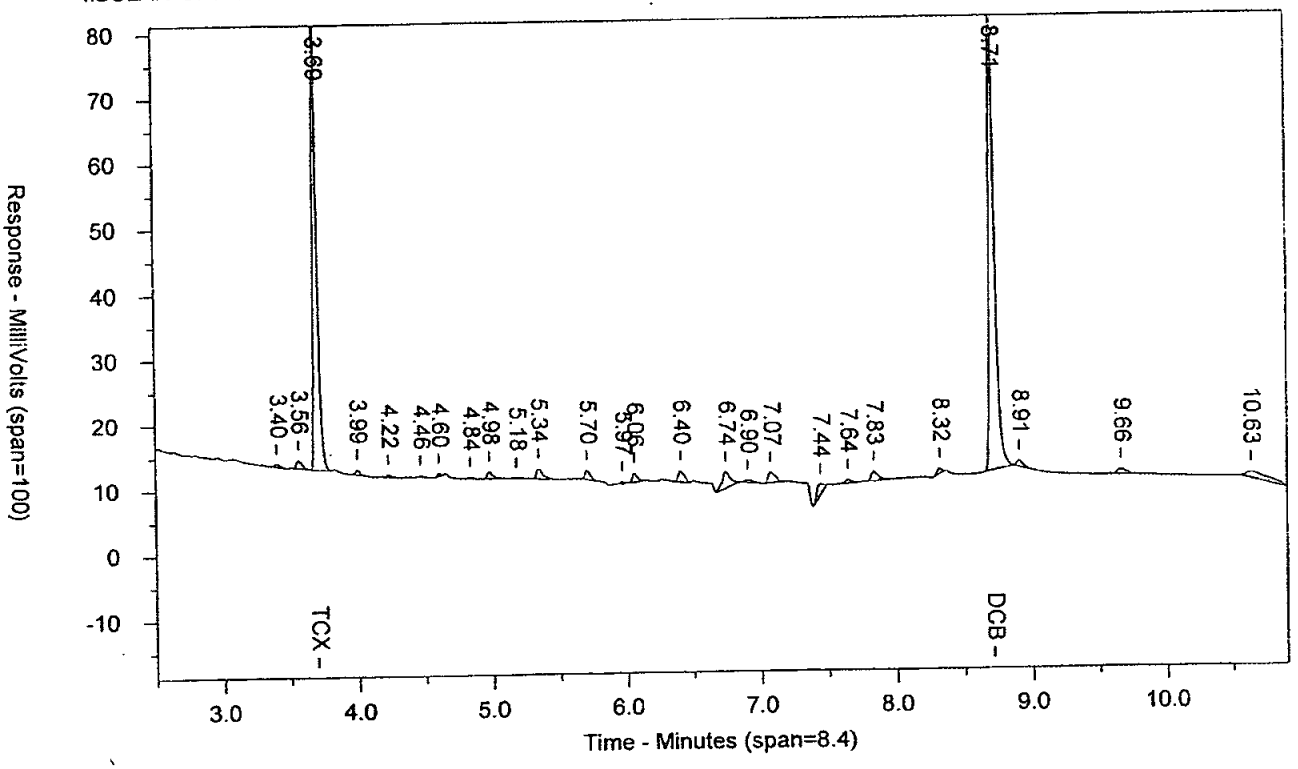

ASX67 0732

LANCASTER LABORATORIES

Sample Number: IBLKX1224C AAPIBLKAA PIBLK1218999999
Injected On: 7/8/2012 4:39:13 PM
Instrument ID: CP7-5088A
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: 300846 8082
Dilution Factor: 10

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.855	230093	.247	TCX	3.693	77576	.227	TCX
9.26	126423	.242	DCB	8.713	78583	.227	DCB

Files:
Area File: 1p7190.005.RAW
Area File: 1p7190B.005.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 4:50:08 PM
File Reported On: 7/8/2012 at 4:50:12 PM

ASX67 0753

IBLKX1224C AAPIBLKAA PIBLK1218999999 SW-846 8082

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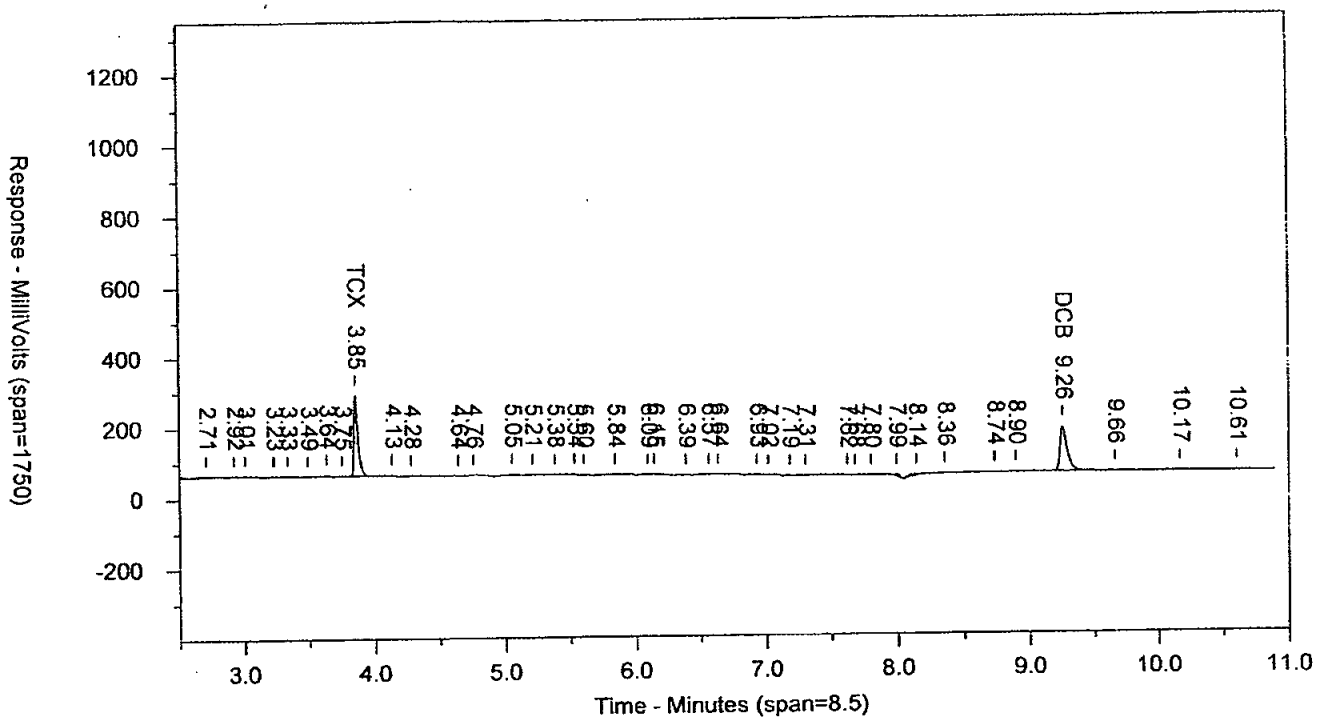

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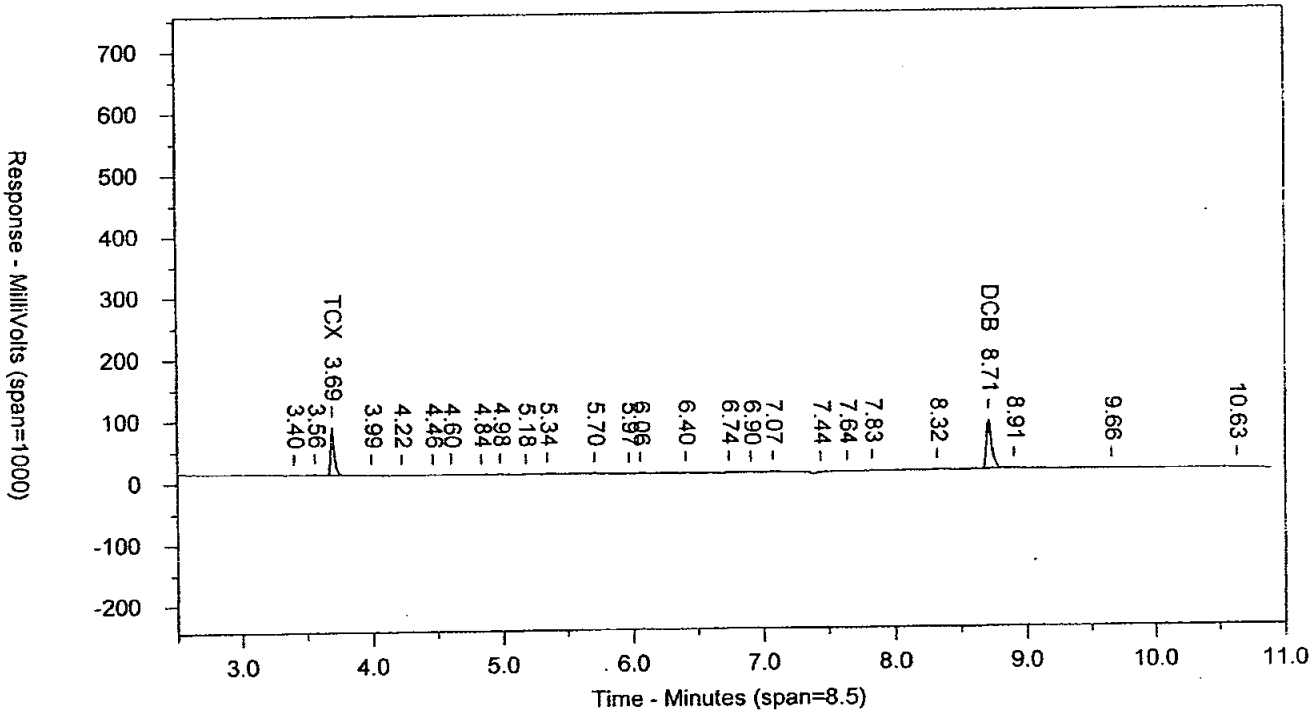

ASX67 B734

LANCASTER LABORATORIES

Sample Number: AR1611224B AAAR161AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 4:53:59 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.006.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.885		412	1092
1.963		352	816
2.055		442	907
2.157		962	7644
2.319		660	2556
2.711		3491	13443
2.927		345	838
3.011		1669	5042
3.333		395	717
3.485		1186	2438
3.553		184	476
3.638		3720	12617
3.755		319	955
3.857	TCX	55442	110122
4.059		2119	4305
4.138		2770	4757
4.206		13034	26384
4.338		1454	3591
4.506		5769	7227
4.525		2872	3613
4.627		533	542
4.67		14609	29593
4.778		285	410
4.825		4320	12067
4.925		26385	56071
4.979		11097	18638
5.062		12123	22150
5.154		6097	7726
5.193		6669	19114
5.326		10710	27523
5.396		1667	1642
5.445		9332	16634
5.496		1295	1754
5.603		1026	1392
5.653		9605	27665
5.8		874	1299
5.853		10330	28759
6.031		416	821
6.112		3366	6840
6.167		3585	5422
6.228		8695	24167
6.318		20259	47904
6.422		2276	4101
6.492		3198	5437
6.554		24538	75980
6.66		8131	16871
6.753		1069	1214
6.796		25487	54678
6.871		10455	16155
6.919		5275	8398
7.068		15292	37031
7.141		5414	8636
7.188		2174	3154

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RT A	Compound A	Height A	Area A
7.301		4300	7917
7.378		33462	89027
7.685		17528	34559
7.767		4881	12212
7.998		1006	2558
8.15		4213	15076
8.345		949	4483
8.456		9101	23807
8.551		385	821
8.719		176	1062
8.9		3271	9338
9.264	DCB	32340	112498
10.054		75	319

ASX67 0736

LANCASTER LABORATORIES

Sample Number: AR1611224B AAAR161AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 4:53:59 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.006.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.58		139524	1389264
2.645		935	2729
3.072		307	2334
3.564		1241	3669
3.695	TCX	15158	32714
3.918		664	1366
4.003		931	1888
4.08		4415	9736
4.237		560	1249
4.378		7703	22599
4.548		5264	12423
4.663		1550	4598
4.77		11782	24118
4.824		3764	6829
4.934		3558	5233
4.979		1646	1943
5.013		3138	7105
5.172		4170	9057
5.305		3669	7248
5.365		867	1371
5.492		5508	14280
5.629		4307	10824
5.909		709	1207
6.003		6700	23603
6.11		10476	22724
6.228		1697	2931
6.283		12580	26821
6.417		10735	21573
6.529		1832	2391
6.577		6857	9345
6.608		3326	4227
6.657		2143	3015
6.786		1050	1890
6.846		7763	17182
6.934		3244	4882
7.072		19123	41995
7.35		3983	7275
7.417		13568	30876
7.643		779	3025
7.83		2488	7162
8.001		5183	13221
8.375		1886	5415
8.717	DCB	19620	56029
8.91		436	1447
9.691		420	2013

ASX67 0737

AR1611224B AAAR161AA ICAL 1218999999 SW-846 8082

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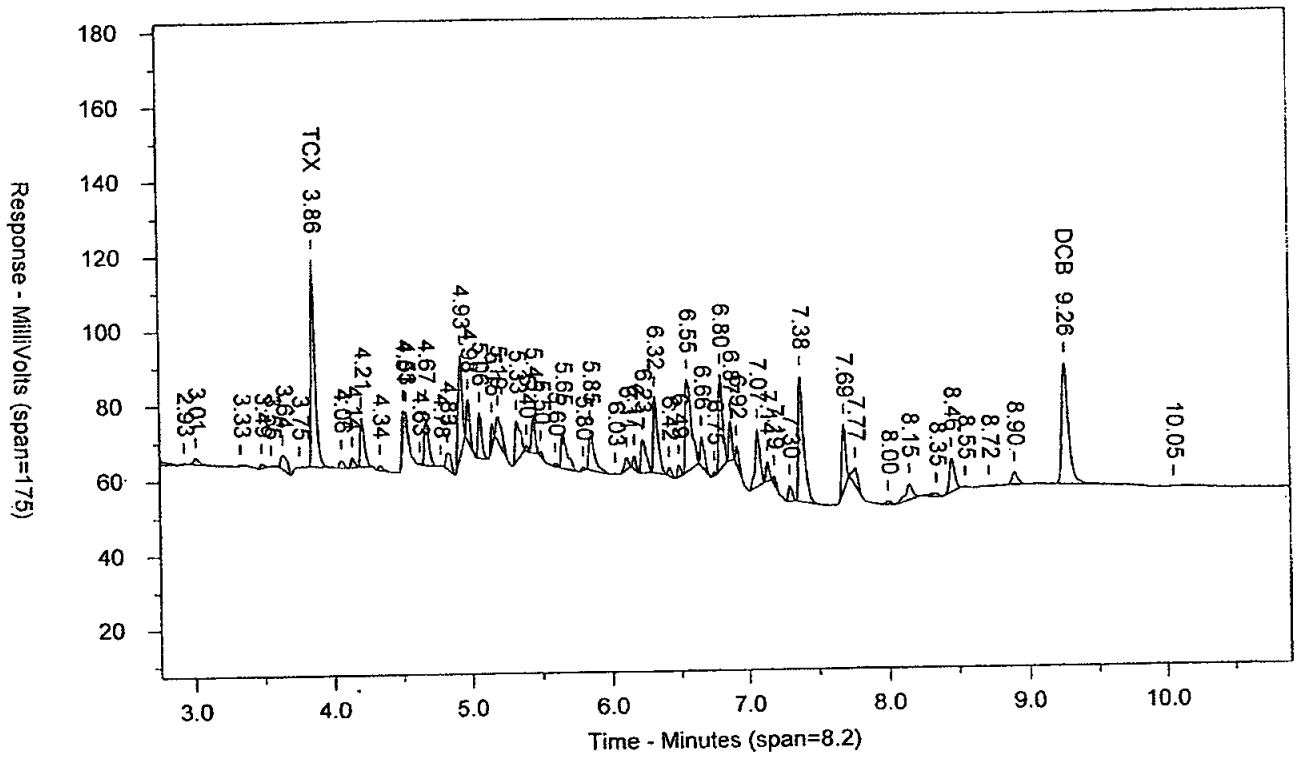

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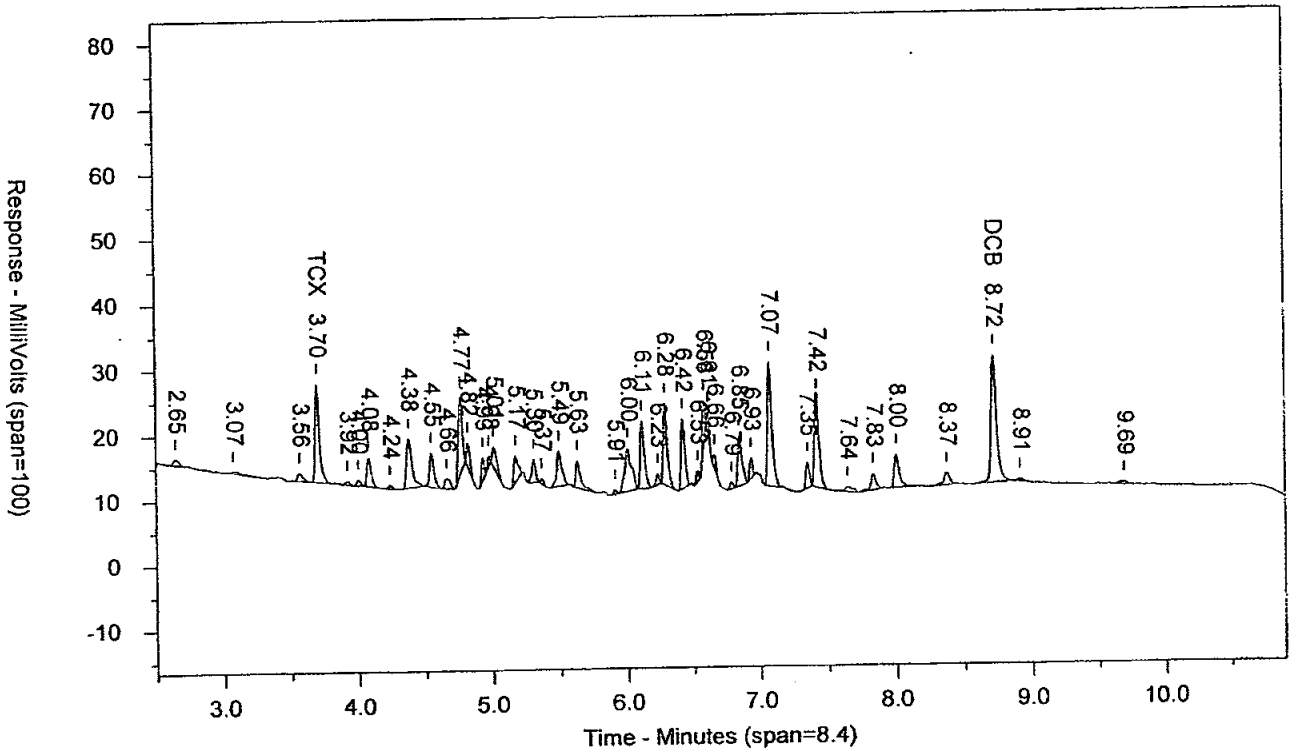

ASX67 8738

LANCASTER LABORATORIES

Sample Number: AR1611224B AAAR161AA ICAL 1218999999
Injected On: 7/8/2012 4:53:59 PM
Instrument ID: CP7-5088A
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: SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.857	55442	5.958	TCX	3.695	15158	4.444	TCX
9.264	32340	6.186	DCB	8.717	19620	5.674	DCB

Files:
Area File: 1p7190.006.RAW
Area File: 1p7190B.006.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 5:04:53 PM
File Reported On: 7/8/2012 at 5:05:00 PM

ASX67 8739

AR1611224B AAAR161AA ICAL 1218999999 SW-846 8082

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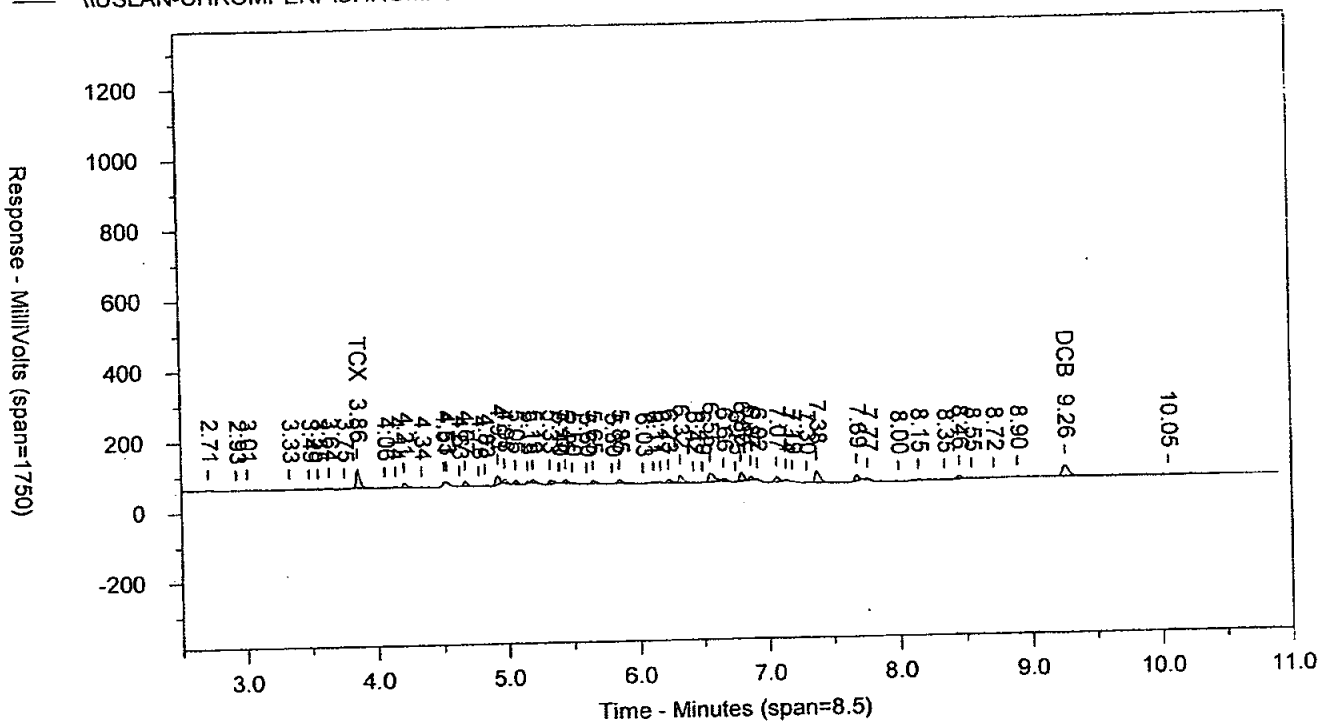

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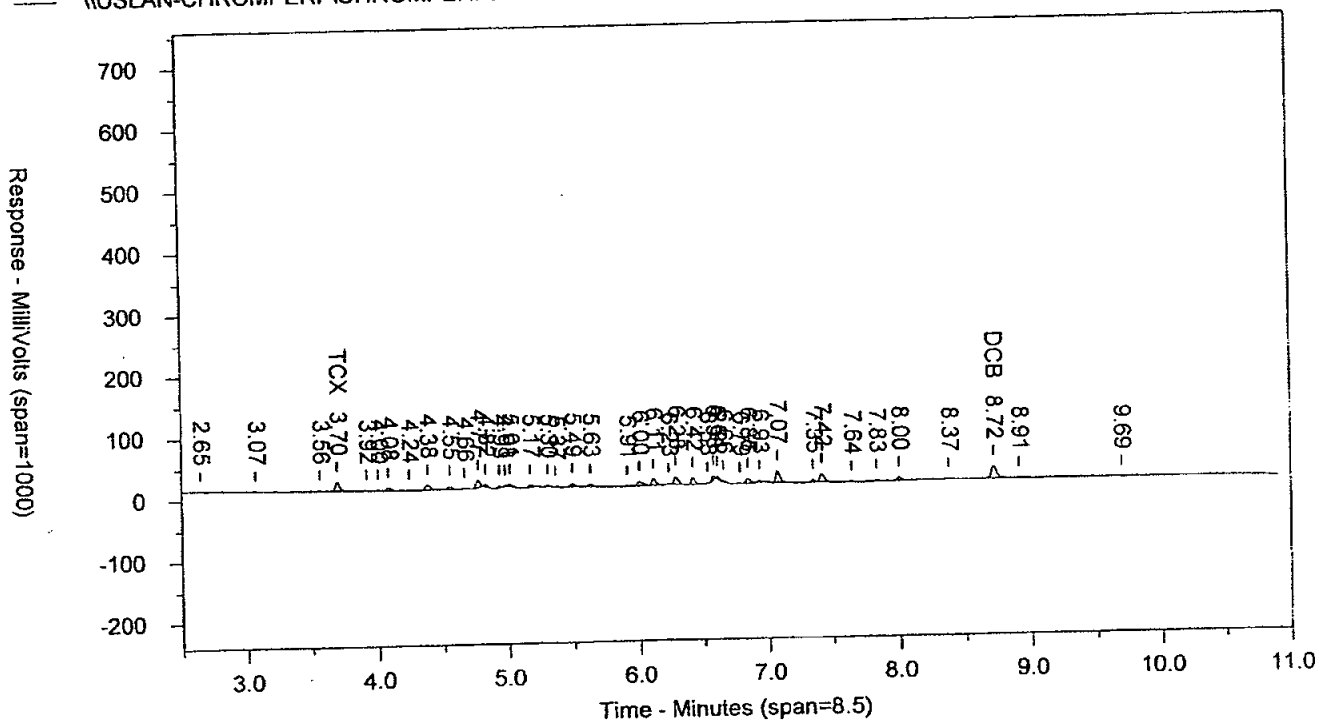

Printed on 7/8/2012 5:05:00 PM

ASX67 0748

LANCASTER LABORATORIES

Sample Number: AR1621224B AAAR162AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 5:08:31 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.007.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.758		872	2151
1.964		339	836
2.059		276	476
2.174		774	5238
2.706		2254	5430
2.925		1249	2314
3.011		1220	2091
3.333		1033	5144
3.487		944	1917
3.551		615	1308
3.636		3158	10227
3.749		192	428
3.856	TCX	227398	482035
4.059		3879	7728
4.137		6893	12130
4.206		23613	51133
4.337		2744	5773
4.506		9415	12103
4.525		5878	7331
4.625		991	1014
4.67		26369	53702
4.826		7646	21328
4.925		48661	105571
4.978		19607	32652
5.062		22038	40859
5.154		10924	13979
5.193		11998	34875
5.325		19493	50578
5.396		3004	3006
5.445		16859	29902
5.496		2477	3301
5.654		19008	63473
5.798		1619	2400
5.853		18718	49770
6.03		689	1266
6.113		6358	13257
6.167		6951	10584
6.228		16387	46964
6.317		36206	86125
6.423		4230	7551
6.491		5721	9616
6.554		43268	138075
6.66		15104	31294
6.753		1942	2174
6.796		44720	97345
6.87		18405	28798
6.919		9706	15619
7.068		27917	68149
7.141		9799	15589
7.189		3954	5845
7.301		7971	15017
7.378		61586	167616
7.685		31783	63771

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RT A	Compound A	Height A	Area A
7.766		9078	23103
7.996		2011	4732
8.149		7605	24101
8.348		529	2119
8.455		16649	43116
8.55		668	1276
8.674		205	501
8.899		6741	20334
9.264	DCB	124433	484870
10.477		606	3735

ASX67 8722

LANCASTER LABORATORIES

Sample Number: AR1621224B AAAR162AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 5:08:31 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.007.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.585		130262	1347638
2.641		683	1718
3.408		411	2043
3.563		1103	3220
3.696	TCX	77305	155599
3.919		1283	2666
4.003		2172	4431
4.08		8260	18088
4.239		1034	2299
4.378		14162	41129
4.548		10015	23460
4.676		2858	8549
4.77		22506	45068
4.824		6919	12145
4.935		6804	9672
4.978		3046	3525
5.013		5752	13029
5.172		7861	16942
5.305		7016	13889
5.366		1588	2467
5.492		10283	26572
5.629		7657	15434
5.909		1347	2333
6.003		12214	43560
6.109		19011	40104
6.228		3263	5681
6.282		22955	48197
6.418		19946	39261
6.529		3412	4583
6.577		13008	17116
6.608		6169	7430
6.657		4263	6209
6.787		2122	3888
6.845		14626	31635
6.934		6154	9185
6.975		1570	5113
7.071		35470	76402
7.351		7181	12771
7.416		25505	55993
7.641		1129	2226
7.83		4273	10328
8		10028	27790
8.375		3835	10971
8.716	DCB	77662	219843
9.664		249	1758
10.633		512	9462

ASX67 0743

AR1621224B AAAR162AA ICAL 1218999999 SW-846 8082

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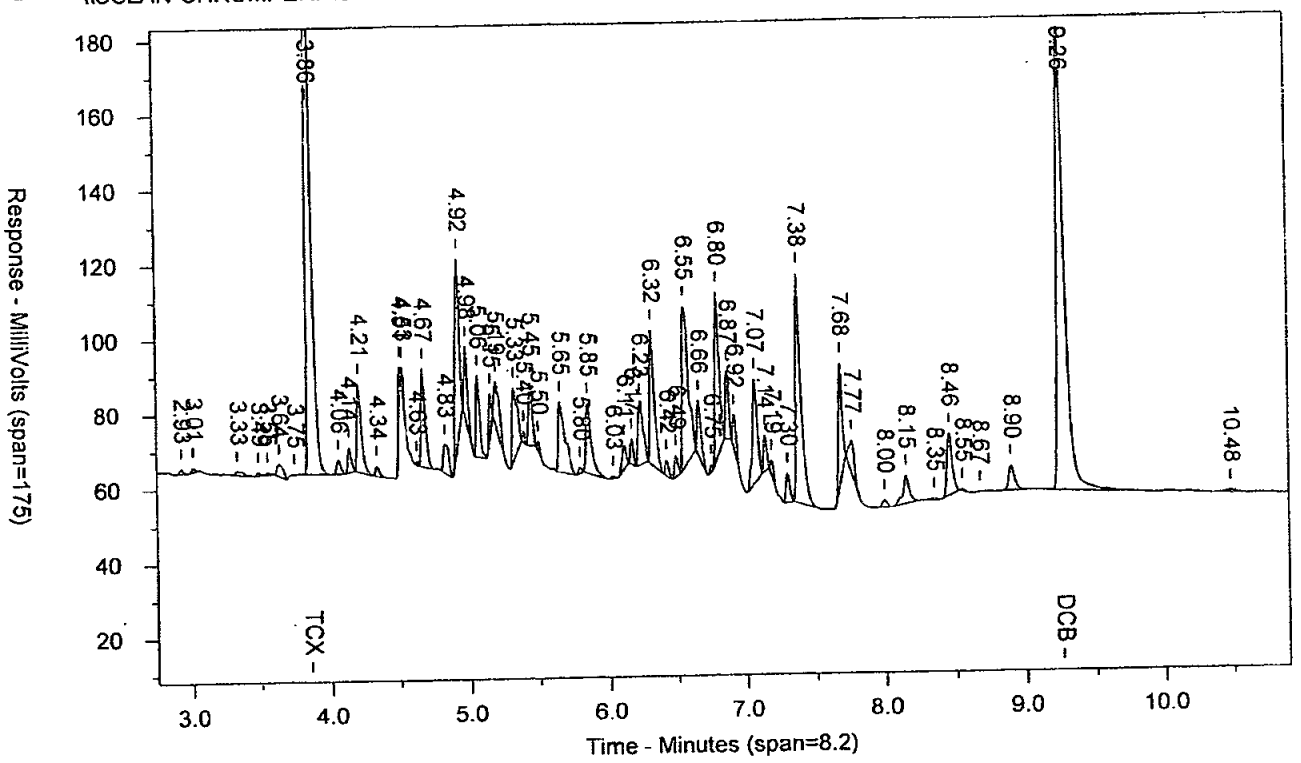

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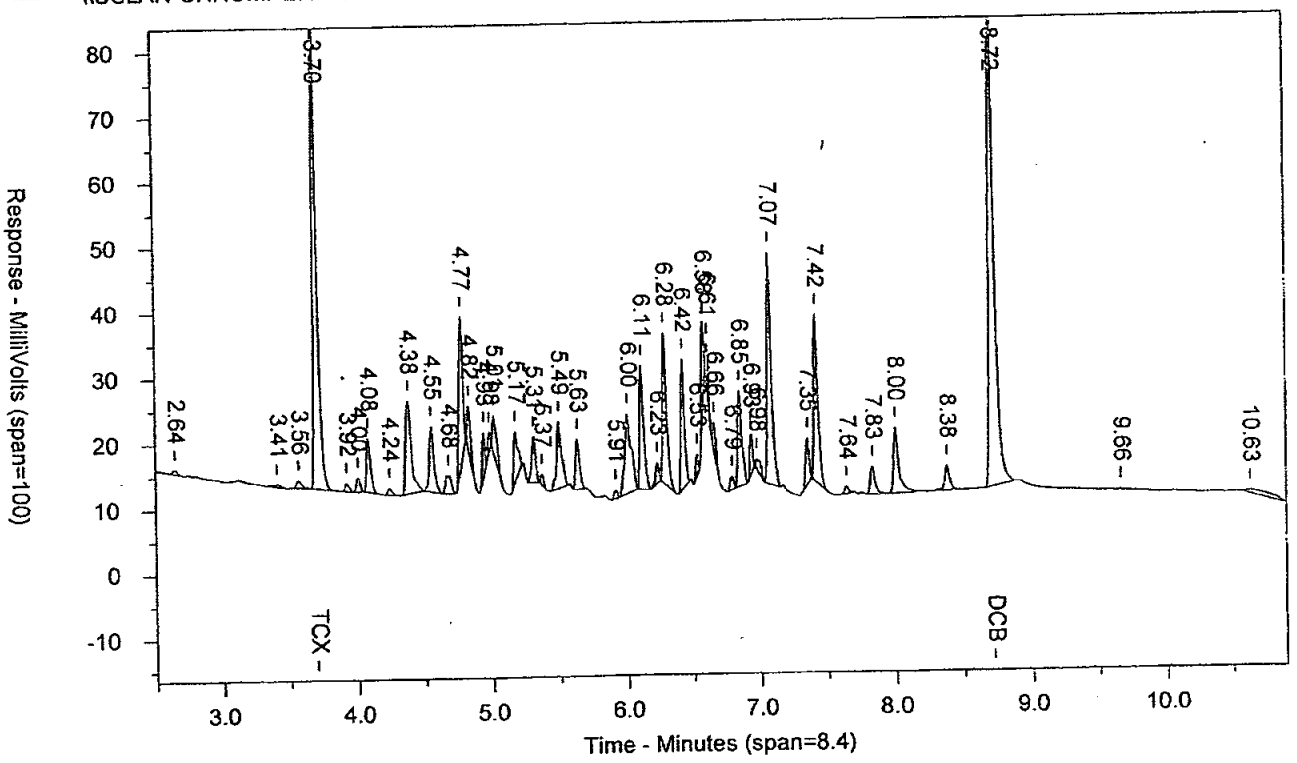

ASX67 0744

LANCASTER LABORATORIES

Sample Number: AR1621224B AAAR162AA ICAL 1218999999
Injected On: 7/8/2012 5:08:31 PM
Instrument ID: CP7-5088A
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: SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.856	227398	23.313	TCX	3.696	77305	22.233	TCX
9.264	124433	22.668	DCB	8.716	77662	21.754	DCB

Files:
Area File: 1p7190.007.RAW
Area File: 1p7190B.007.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 5:19:26 PM
File Reported On: 7/8/2012 at 5:19:31 PM

ASX67 8745

AR1621224B AAAR162AA ICAL 1218999999 SW-846 8082

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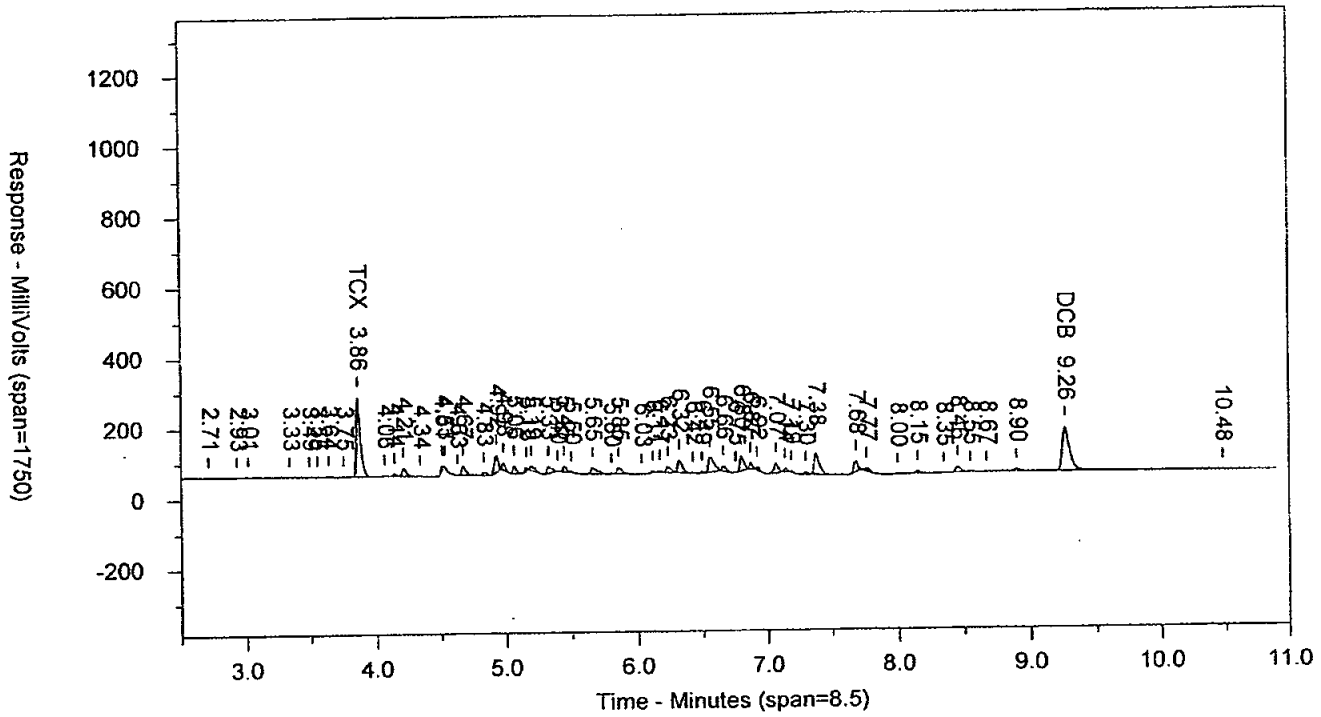

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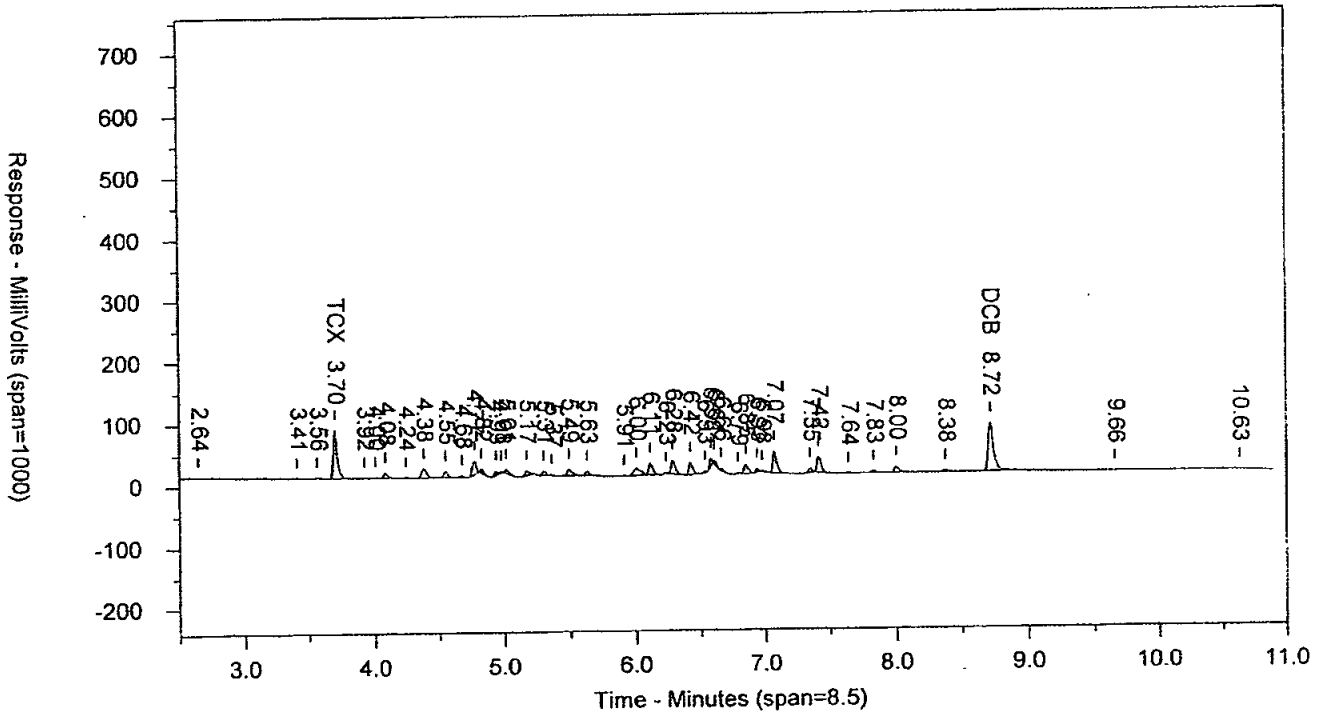

ASX67 0746

LANCASTER LABORATORIES

Sample Number: AR1631224B AAAR163AA ICAL 1218999999
Injected On: 7/8/2012 5:23:16 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.008.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

Injection Volume: SW846 8082
Analyst: 2855

RT A	Compound A	Height A	Area A
1.885		191	649
1.958		401	1240
2.054		434	785
2.126		814	4924
2.73		274	743
2.831		452	1691
2.923		2390	4060
3.009		2876	4877
3.06		554	736
3.358		1483	10447
3.554		1080	7146
3.636		8470	24371
3.854	TCX	421517	920419
4.057		7575	15038
4.135		13418	23648
4.204		43406	94620
4.336		5391	12281
4.505		17024	21549
4.523		10764	13419
4.623		1793	1791
4.669		48543	101995
4.839		13507	35761
4.923		88458	192182
4.976		34958	58429
5.06		41202	77244
5.152		19994	25684
5.192		21909	65420
5.323		36173	94181
5.394		5630	5663
5.443		31206	55477
5.494		5246	6798
5.606		986	1170
5.653		36209	126703
5.796		3159	4599
5.851		34469	90321
6.028		1226	2173
6.111		12377	26241
6.166		13273	20737
6.227		30936	87513
6.316		65451	157395
6.422		8165	14936
6.49		10476	17458
6.552		78217	251839
6.659		27677	58685
6.752		3663	4065
6.795		82407	178891
6.868		32389	50428
6.918		17680	29132
7.067		52860	135497
7.141		14622	22762
7.187		7827	11888
7.3		15303	28996
7.377		113736	320376

ASX67 8747

RT A	Compound A	Height A	Area A
7.683		59104	119487
7.765		16231	40621
7.993		9341	26332
8.147		19278	90789
8.348		333	1334
8.452		31553	82613
8.546		1137	2076
8.897		13016	44569
9.258	DCB	222195	901939
10.165		268	980
10.354		155	1095

ASX67 9748

LANCASTER LABORATORIES

Sample Number: AR1631224B AAAR163AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 5:23:16 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.008.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.586		119943	1243628
2.739		520	912
2.795		456	907
3.07		314	1760
3.408		519	2068
3.563		3513	10344
3.693	TCX	153623	305782
3.917		2553	5289
4.001		4292	8706
4.078		15644	34264
4.237		2024	4555
4.376		26663	75918
4.545		19227	44427
4.661		6061	17721
4.767		43429	85926
4.821		13685	23677
4.933		13409	18733
4.976		5822	6765
5.011		11098	25125
5.17		15202	32185
5.303		13776	27011
5.364		3120	4820
5.49		19529	49974
5.627		14500	28720
5.83		634	1174
5.908		2606	4345
6.001		23243	82465
6.107		35431	72795
6.227		6475	11334
6.28		42745	87117
6.415		38517	73621
6.482		1381	1489
6.528		6410	8409
6.575		25496	33063
6.605		10769	13134
6.653		6289	8205
6.786		4265	7747
6.844		27825	59921
6.933		11547	17050
6.973		3118	9208
7.07		67507	141300
7.348		16421	30322
7.415		44661	103506
7.639		2110	4071
7.701		718	994
7.828		7854	18400
7.998		19618	52146
8.372		7509	19180
8.71	DCB	142832	418660

ASX67 8749

AR1631224B AAAR163AA ICAL 1218999999 SW-846 8082

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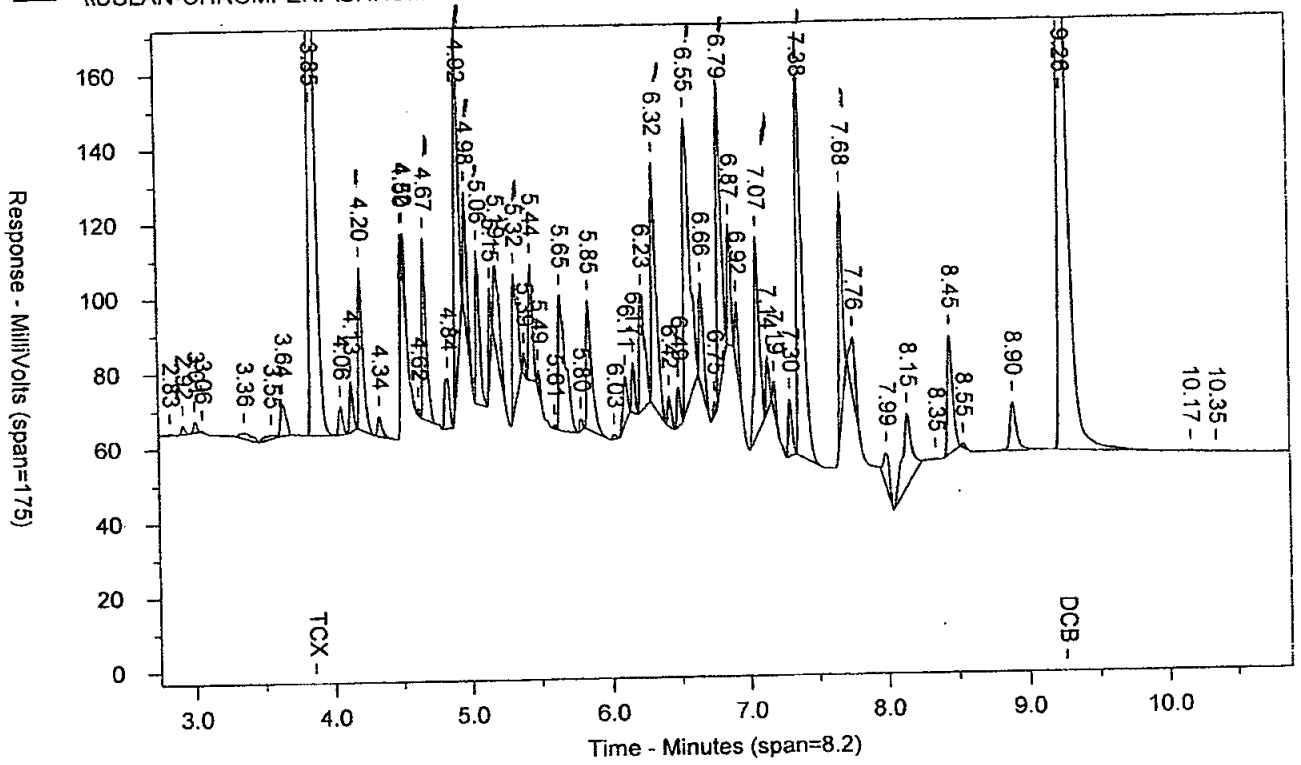

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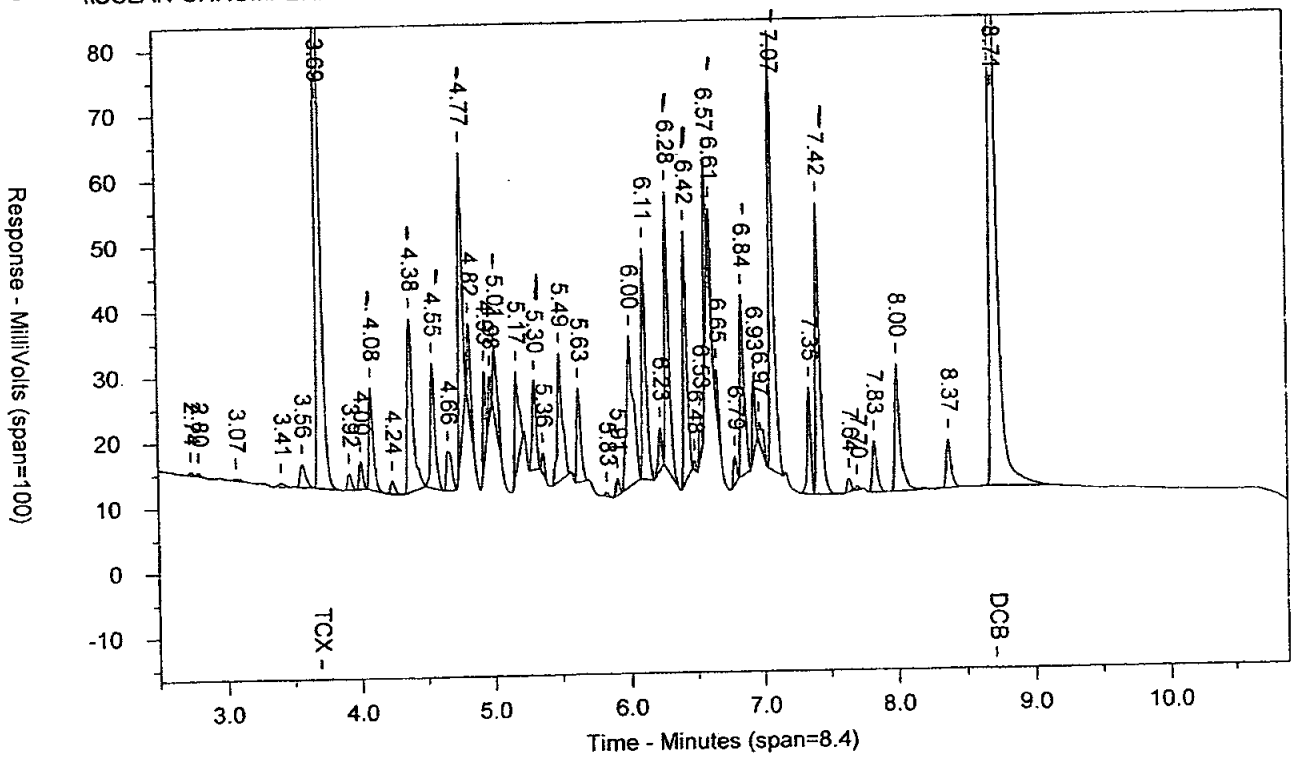

ASX67 8759

LANCASTER LABORATORIES

Sample Number: AR1631224B AAAR163AA ICAL 1218999999
Injected On: 7/8/2012 5:23:16 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.854	421517	42.218	TCX	3.693	153623	43.638	TCX
9.258	222195	39.534	DCB	8.71	142832	39.461	DCB

Files:
Area File: 1p7190.008.RAW
Area File: 1p7190B.008.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 5:34:11 PM
File Reported On: 7/8/2012 at 5:34:19 PM

ASX67 0751

AR1631224B AAAR163AA ICAL 1218999999 SW-846 8082

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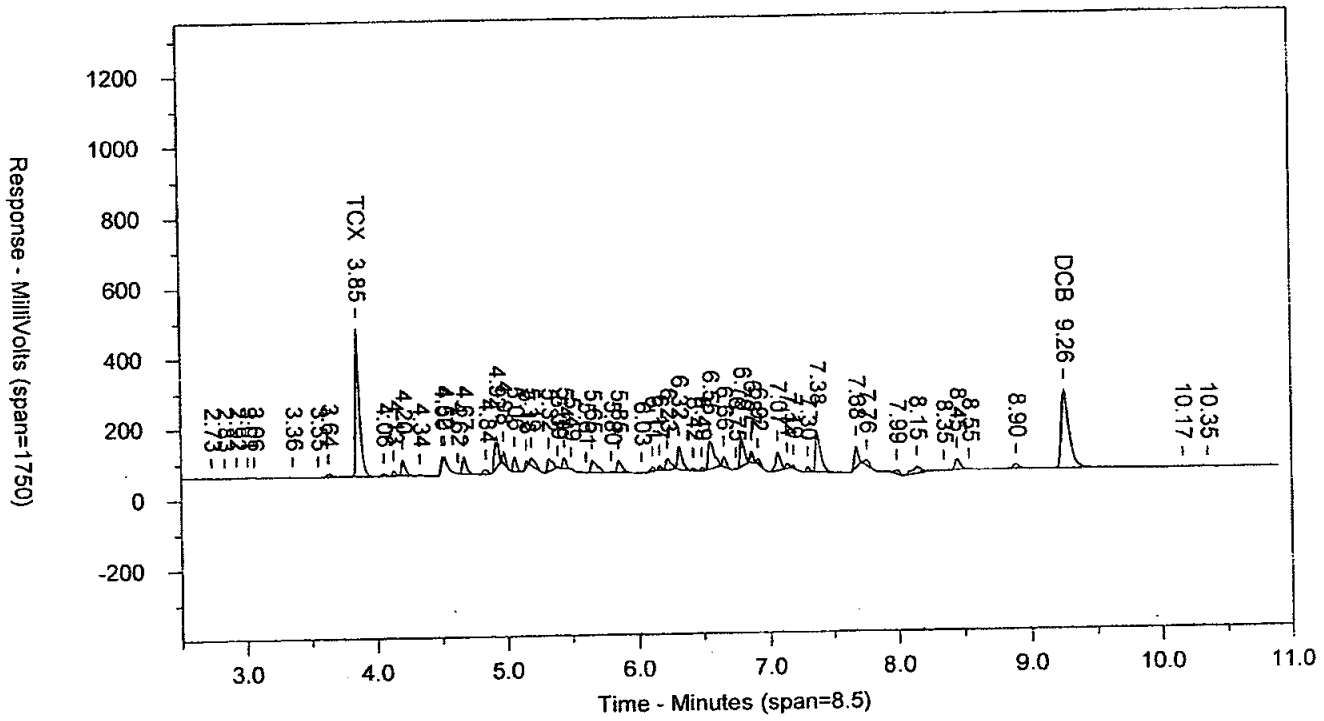

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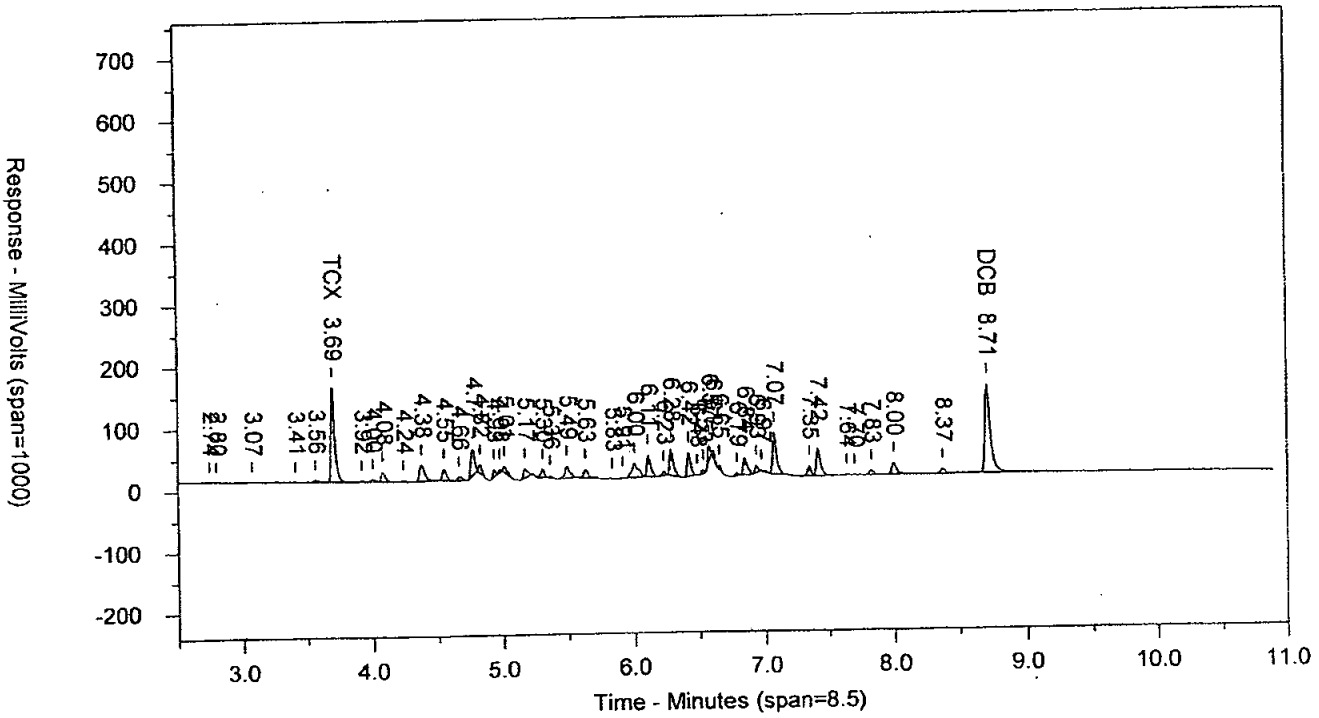

ASX67 8752

LANCASTER LABORATORIES

Sample Number: AR1641224B AAAR164AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 5:37:47 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.009.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.759		707	2055
1.882		226	570
1.966		277	602
2.161		1788	14961
2.325		646	2434
2.707		1656	12001
2.924		3663	6622
3.009		910	1310
3.061		1689	5831
3.191		1193	7247
3.36		1864	7374
3.486		550	1155
3.552		268	418
3.635		3059	8949
3.745		305	780
3.854	TCX	597591	1354820
4.057		18214	36696
4.135		27199	48772
4.203		94548	211241
4.336		12628	27206
4.504		42955	49602
4.523		24252	29438
4.622		4012	4081
4.668		106695	233021
4.824		6546	9918
4.84		8251	9950
4.923		197894	438708
4.976		74592	125418
5.06		93153	180516
5.151		42750	54722
5.191		49406	151284
5.323		80144	210652
5.393		12639	12390
5.443		69114	122476
5.494		11027	15003
5.607		2434	2851
5.653		83086	311344
5.796		7387	10606
5.851		77061	207180
6.029		2869	5058
6.111		29262	62325
6.166		30817	47909
6.226		67275	194401
6.314		142946	346410
6.422		18290	32592
6.49		23725	39235
6.551		170518	555977
6.658		64783	138934
6.751		8296	9382
6.794		183288	399611
6.867		68739	105223
6.917		39331	66044
7.065		116404	289351

ASX67 8753

RT A	Compound A	Height A	Area A
7.139		38035	60042
7.187		17451	26016
7.3		35698	68210
7.376		260633	762219
7.682		132109	268135
7.764		34323	87240
7.994		8140	19449
8.103		2698	4263
8.147		27791	66366
8.334		3391	13330
8.452		71856	199605
8.546		2424	4366
8.662		247	527
8.896		29460	93083
9.259	DCB	318109	1312399
10.168		401	1425
10.35		260	1682

LANCASTER LABORATORIES

Sample Number: AR1641224B AAAR164AA ICAL 1218999999
Injected On: 7/8/2012 5:37:47 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.009.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 uSW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.588		97782	1018190
2.797		847	1887
2.955		467	1035
3.261		397	965
3.408		405	1295
3.561		987	2749
3.693	TCX	228459	463029
3.918		6364	13232
4.002		9197	18254
4.078		37100	78560
4.237		4975	11383
4.375		60749	170983
4.545		45903	103742
4.675		13380	38978
4.767		104022	199586
4.821		32775	54620
4.933		34368	46846
4.975		13958	15014
5.01		25250	56526
5.17		36243	73866
5.302		33606	64644
5.364		7468	11348
5.489		45847	115570
5.572		1839	2179
5.626		33114	63003
5.83		1448	2747
5.908		6507	10934
6		54529	189898
6.106		80834	157837
6.226		15326	26522
6.279		97278	191223
6.415		90156	164652
6.482		3752	4060
6.527		15874	19710
6.574		61415	74750
6.604		28296	31957
6.655		22163	30531
6.785		10828	19224
6.843		65348	136101
6.932		26907	37922
6.973		3644	3367
7.069		158383	324479
7.167		2682	3940
7.347		32866	57310
7.413		115123	250019
7.639		4504	8627
7.748		1006	1847
7.829		19161	45276
7.998		47103	123883
8.373		17601	46336
8.711	DCB	203013	598853

ASX67 0755

AR1641224B AAAR164AA ICAL 1218999999 SW-846 8082

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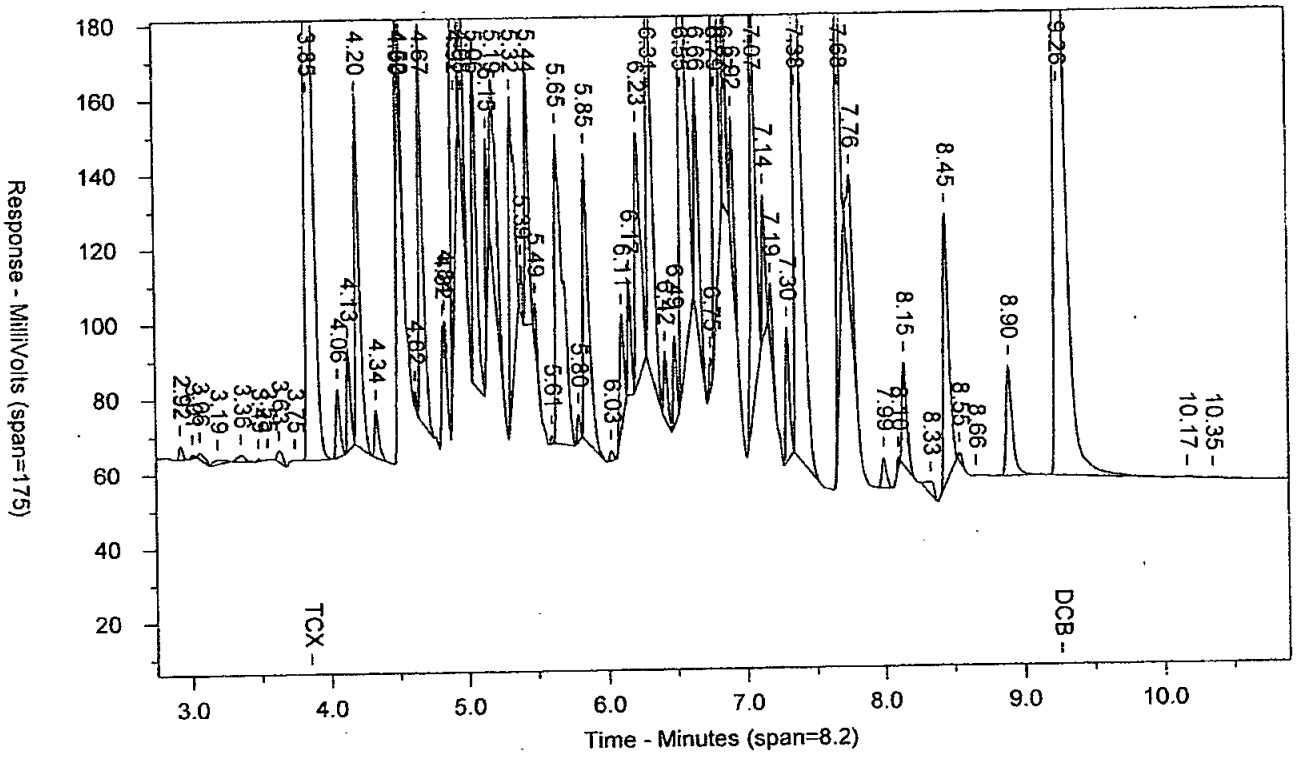

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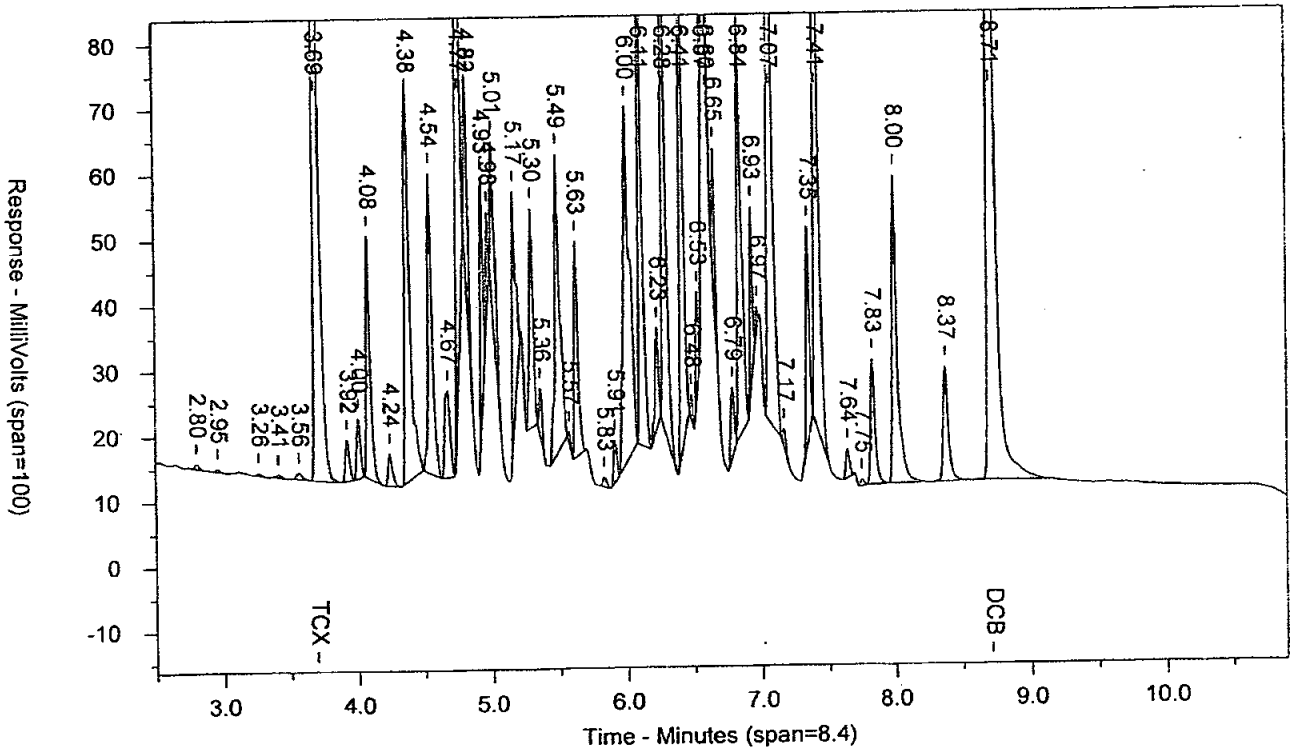

ASX67 0756

LANCASTER LABORATORIES

Sample Number: AR1641224B AAAR164AA ICAL 1218999999
Injected On: 7/8/2012 5:37:47 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.854	597591	58.308	TCX	3.693	228459	63.866	TCX
9.259	318109	55.196	DCB	8.711	203013	54.986	DCB

Files:
Area File: 1p7190.009.RAW
Area File: 1p7190B.009.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 5:48:42 PM
File Reported On: 7/8/2012 at 5:48:49 PM

ASX67 6757

AR1641224B AAAR164AA ICAL 1218999999 SW-846 8082

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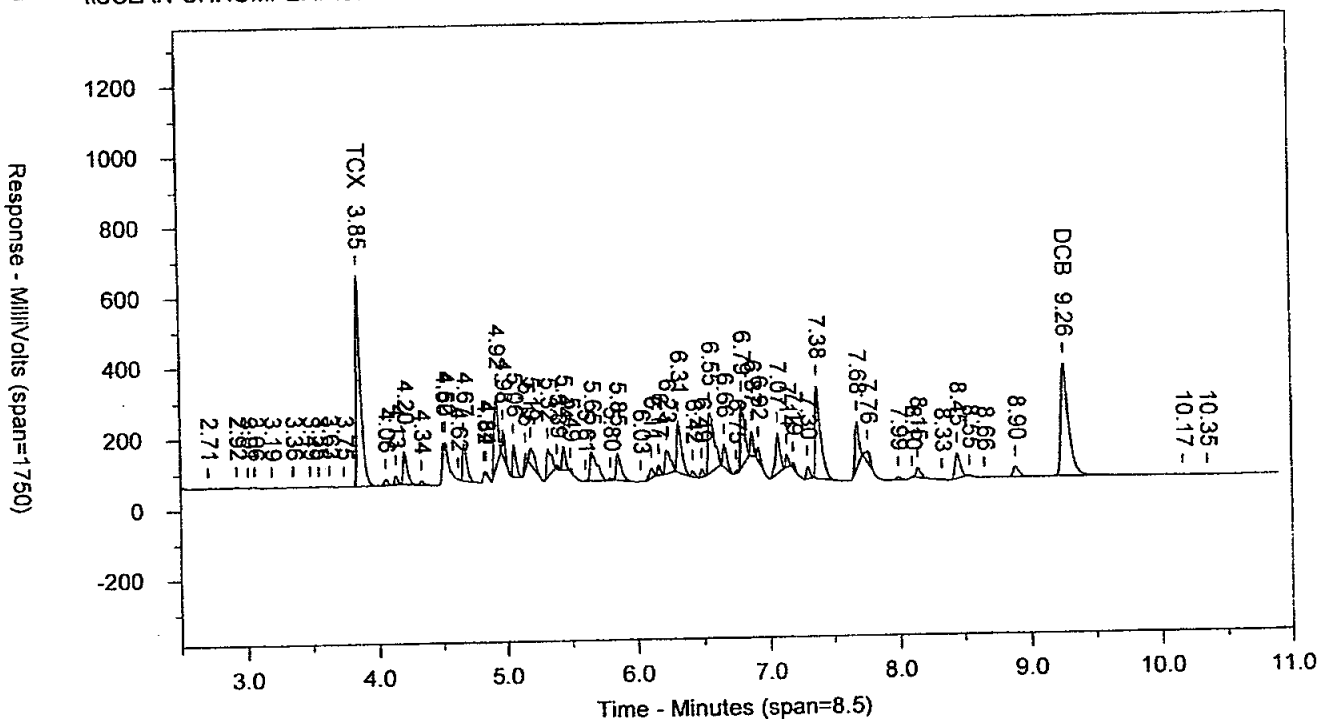

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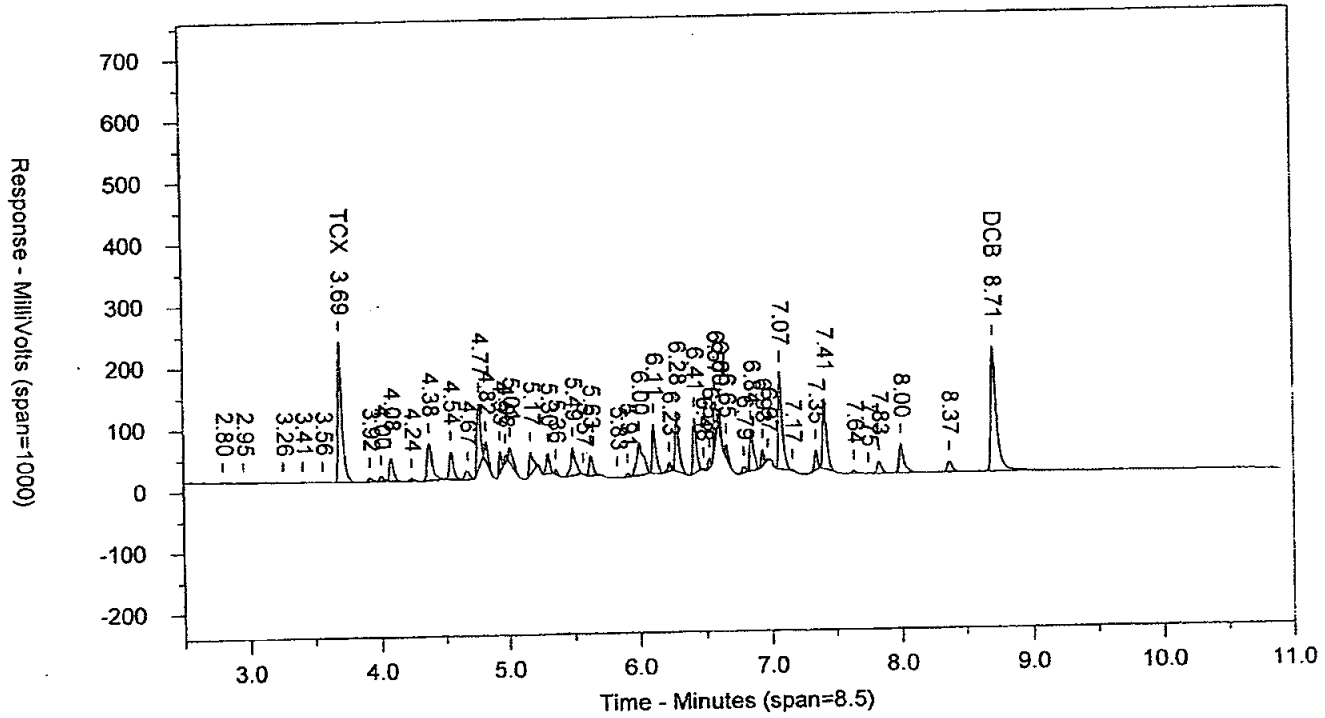

ASX67 0758

LANCASTER LABORATORIES

Sample Number: AR1651224B AAAR165AA ICAL 1218999999 Injection Volume SW846 8082
Injected On: 7/8/2012 5:52:35 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.010.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.875		780	2559
1.97		464	1495
2.058		592	1535
2.162		1269	8978
2.328		405	833
2.711		4898	14624
2.925		4979	9588
3.009		899	1389
3.063		1552	2671
3.362		2805	9446
3.486		1740	3584
3.636		2630	8001
3.743		417	866
3.855	TCX	752132	1741632
4.058		33908	69908
4.136		45103	80647
4.204		169793	382448
4.336		24016	51756
4.504		78782	89308
4.524		43557	54443
4.622		7266	7426
4.669		192398	431106
4.771		3055	3336
4.825		12090	17085
4.84		15169	19230
4.923		364659	798497
4.976		137490	228230
5.06		167216	328781
5.151		77348	99177
5.191		87857	270972
5.323		143546	373616
5.394		22877	22814
5.443		125160	223576
5.494		19732	28071
5.608		5076	5947
5.653		151277	585431
5.796		13289	19014
5.851		137876	377780
6.029		5406	9241
6.111		53216	113987
6.166		55361	86463
6.226		120720	349433
6.314		255062	615130
6.422		33092	58923
6.49		42522	71071
6.551		305244	982471
6.658		118480	260301
6.752		14421	15772
6.794		326809	725135
6.867		123923	186924
6.917		71509	121528
7.066		210531	521215
7.138		68120	106750

ASX67 0759

RT A	Compound A	Height A	Area A
7.187		32125	49021
7.3		65752	126381
7.376		467566	1430653
7.682		241713	488928
7.764		63727	166994
7.994		14320	34691
8.104		4997	7776
8.148		53025	129586
8.453		123971	356554
8.546		4258	7564
8.899		53283	170743
9.26	DCB	396051	1686236
10.169		563	2155
10.397		371	2660

ASX67 0762

LANCASTER LABORATORIES

Sample Number: AR1651224B AAAR165AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 5:52:35 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.010.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.585		102782	1044576
2.647		1374	4101
2.798		1103	2612
2.953		461	1018
3.264		844	2223
3.363		269	485
3.563		968	2812
3.693	TCX	296296	606393
3.918		12406	25432
4.003		16376	31618
4.077		68756	141971
4.238		9418	21254
4.375		109322	306055
4.545		85770	190622
4.676		25909	73947
4.767		192354	367975
4.82		60622	101296
4.932		66974	84726
4.974		26319	27843
5.01		47981	105178
5.169		68678	136202
5.228		9721	11267
5.302		64258	121434
5.364		14876	21926
5.489		85225	211980
5.572		3523	4238
5.626		61150	112454
5.831		2788	5371
5.909		12753	21093
6		101472	347522
6.106		148077	280176
6.226		29292	51007
6.279		177556	340979
6.414		169327	299748
6.482		7866	8553
6.527		30361	36421
6.574		113541	136249
6.604		49240	57158
6.654		42796	57712
6.786		21705	38097
6.843		122721	249878
6.932		50030	67965
6.973		8472	7982
6.996		8316	10500
7.068		296895	599947
7.167		4996	7318
7.348		60625	102510
7.413		213264	465442
7.64		8045	15809
7.748		1439	2434
7.829		36186	85151
7.998		87431	231338
8.374		32907	84888
8.712	DCB	257853	755559

ASX67 0761

9.574	365	845

ASX67 8762

AR1651224B AAAR165AA ICAL 1218999999 SW-846 8082

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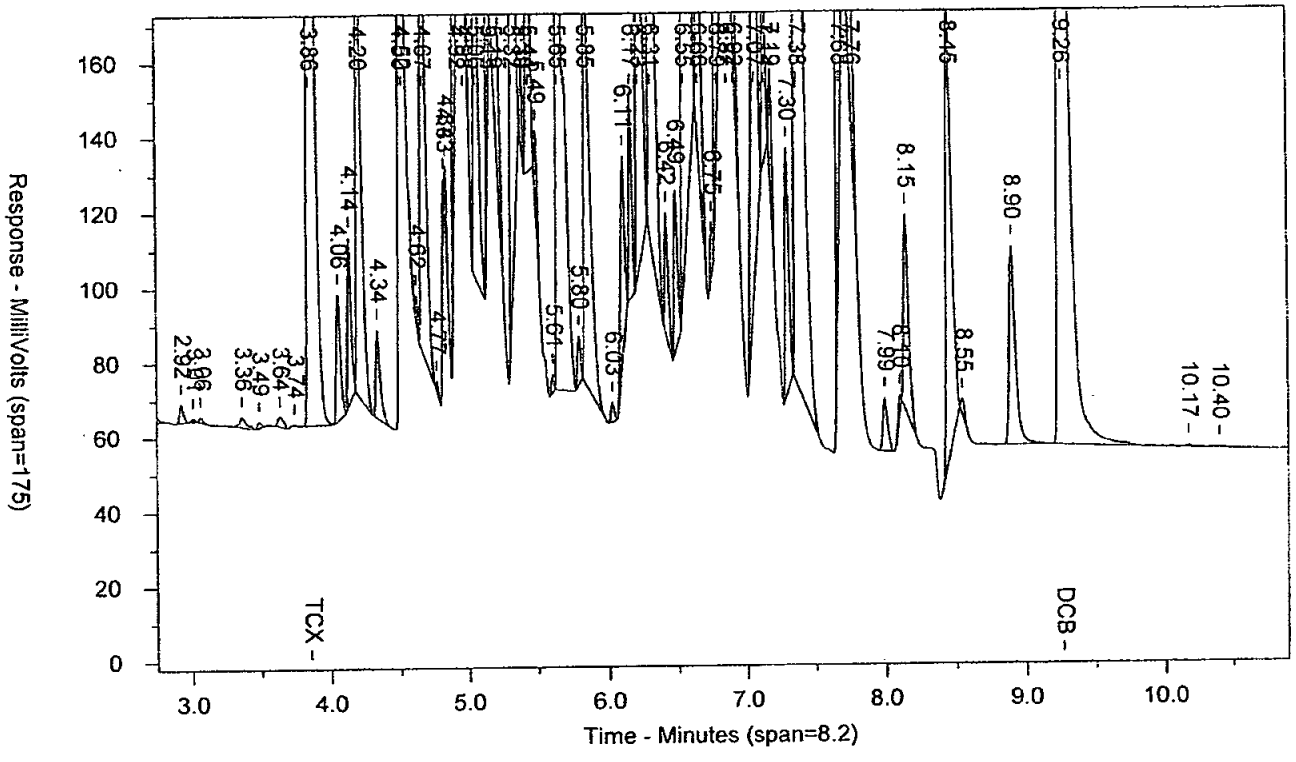

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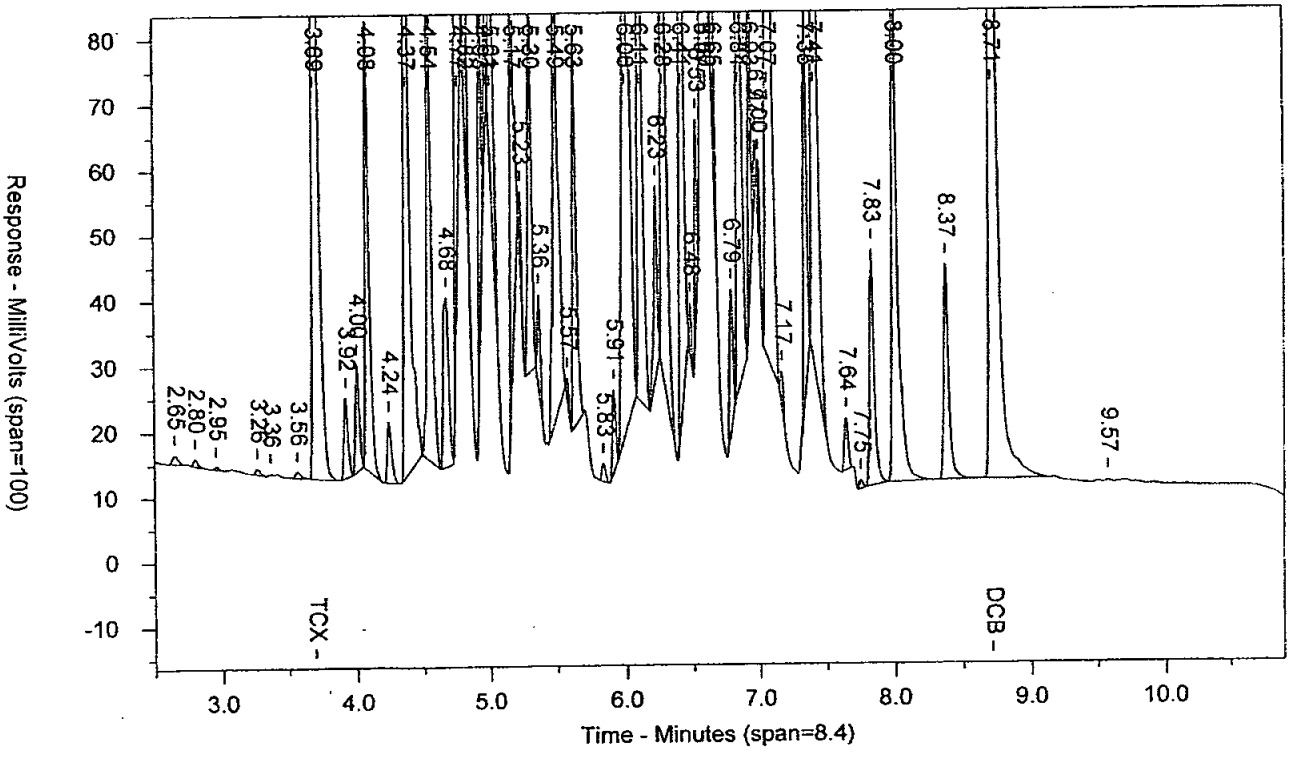

ASX67 0763

LANCASTER LABORATORIES

Sample Number: AR1651224B AAAR165AA ICAL 1218999999
Injected On: 7/8/2012 5:52:35 PM
Instrument ID: CP7-5088A
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: SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.855	752132	71.694	TCX	3.693	296296	81.55	TCX
9.26	396051	66.979	DCB	8.712	257853	68.868	DCB

Files:
Area File: 1p7190.010.RAW
Area File: 1p7190B.010.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 6:03:29 PM
File Reported On: 7/8/2012 at 6:03:36 PM

ASX67 8764

AR1651224B AAAR165AA ICAL 1218999999 SW-846 8082

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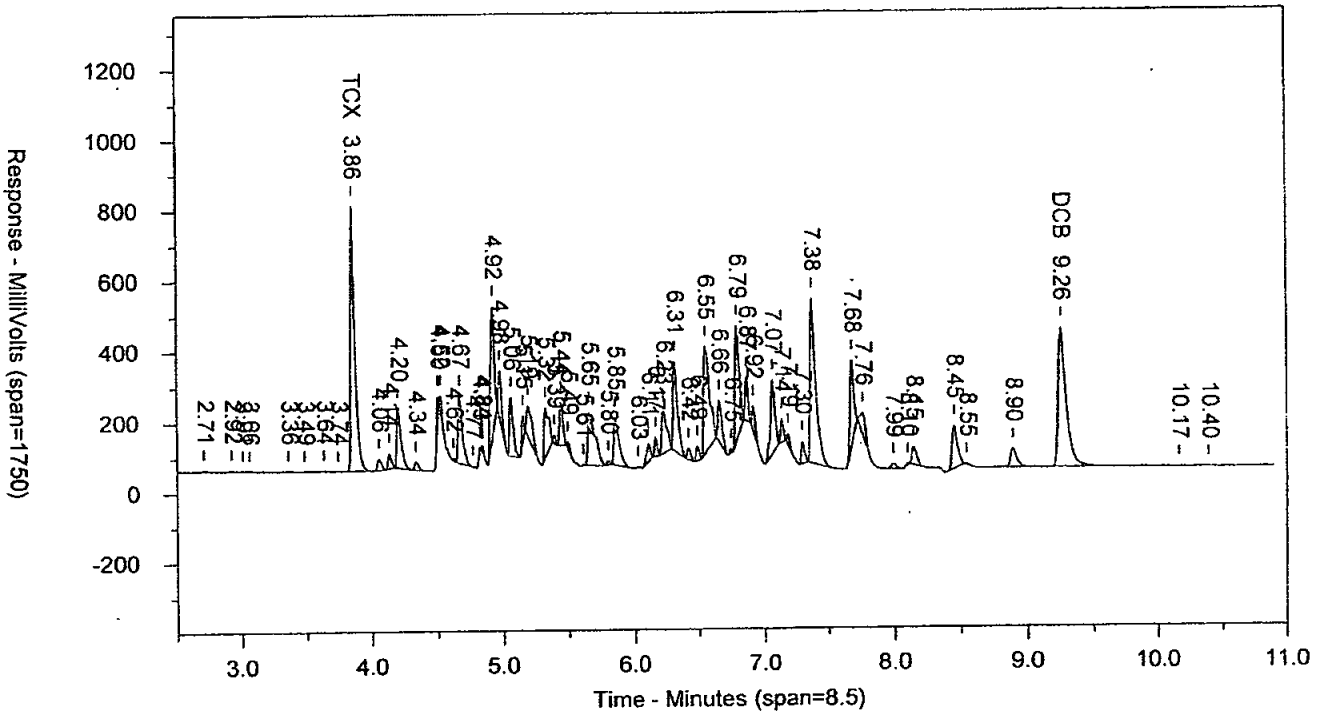

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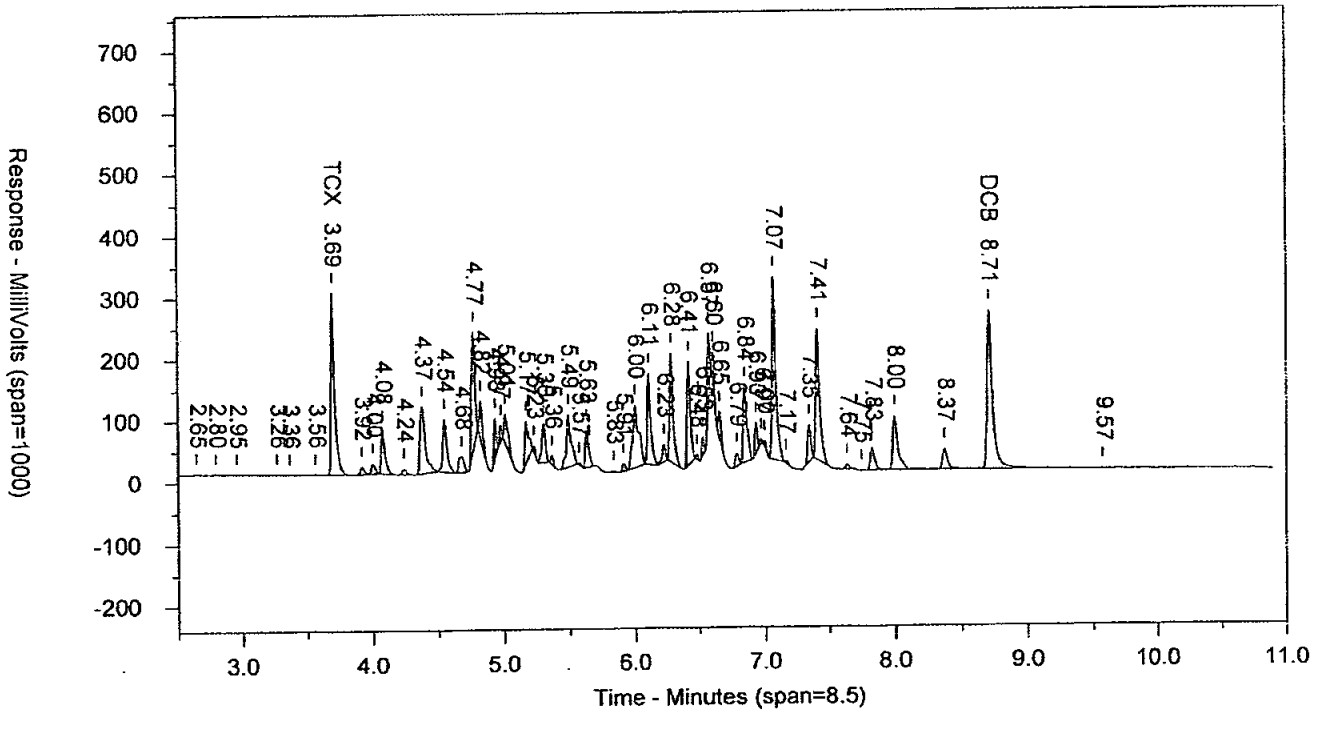

ASX67 0765

LANCASTER LABORATORIES

Sample Number: AR4811224A AAAR481AA ICAL 1218999999
Injected On: 7/8/2012 6:56:49 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.014.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

Injection Volume: 1 ul
Analyst: 2855

RT A	Compound A	Height A	Area A
1.532		2648	7335
1.75		365	757
1.964		691	4567
2.055		781	2280
2.158		1429	15393
2.378		932	3903
2.731		254	579
2.798		289	1369
2.923		226	390
3.01		2927	7477
3.329		415	2911
3.581		484	2717
3.637		9464	27576
3.855	TCX	49388	95368
4.132		631	977
4.205		1119	3056
4.334		374	898
4.506		6629	19396
4.67		4916	10413
4.823		2148	8064
4.924		12630	28441
4.978		3311	5079
5.06		5829	10099
5.153		7966	10538
5.191		6772	18928
5.324		13809	33358
5.395		2210	2339
5.444		9753	16463
5.496		1919	2680
5.607		898	1186
5.653		3229	3957
5.677		5233	5121
5.707		7856	11603
5.795		517	600
5.848		15509	59298
6.028		2866	4971
6.092		3174	4400
6.129		1324	1274
6.167		6763	12199
6.27		2848	6434
6.375		503	649
6.424		5206	10121
6.518		254	309
6.66		5105	11397
6.795		1083	2442
6.956		1630	6408
7.81		217	1931
8.358		211	6711
8.536		2342	20285
8.895		1922	32488
9.261	DCB	29912	118635
10.102		279	2255

ASX67 0766

LANCASTER LABORATORIES

Sample Number: AR4811224A AAAR481AA ICAL 1218999999
Injected On: 7/8/2012 6:56:49 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.014.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 ul
Analyst: 2855

RT B	Compound B	Height B	Area A
1.593		16519	182607
2.74		540	1454
3.073		359	2950
3.563		3889	11740
3.694	TCX	14230	29922
4.078		354	739
4.374		2856	7091
4.545		1691	3740
4.658		770	1881
4.767		5548	11780
4.821		1145	2285
4.934		1647	2278
4.977		2742	3402
5.011		3439	7795
5.17		5606	11758
5.302		4080	7711
5.364		1107	1761
5.49		5417	9081
5.524		2878	3872
5.627		1917	2884
5.682		2544	4054
5.829		1466	2767
5.909		1883	2911
5.952		483	491
5.989		3338	6248
6.115		1696	4380
6.199		2636	5270
6.482		2567	6523
6.577		501	1022
7.068		267	2681
7.46		863	3857
7.647		263	1019
7.833		172	829
8.092		249	3118
8.372		145	1002
8.715	DCB	18482	56939

ASX67 8767

AR4811224A AAAR481AA ICAL 1218999999

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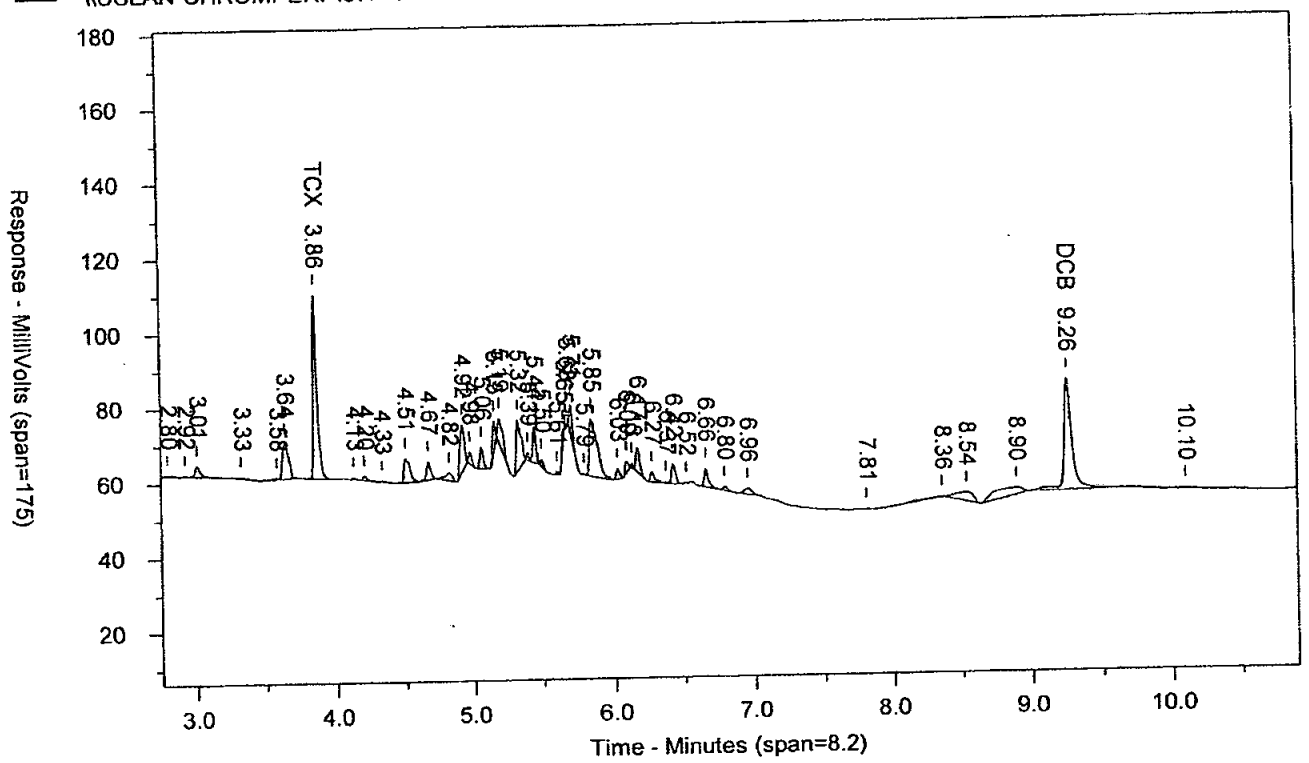

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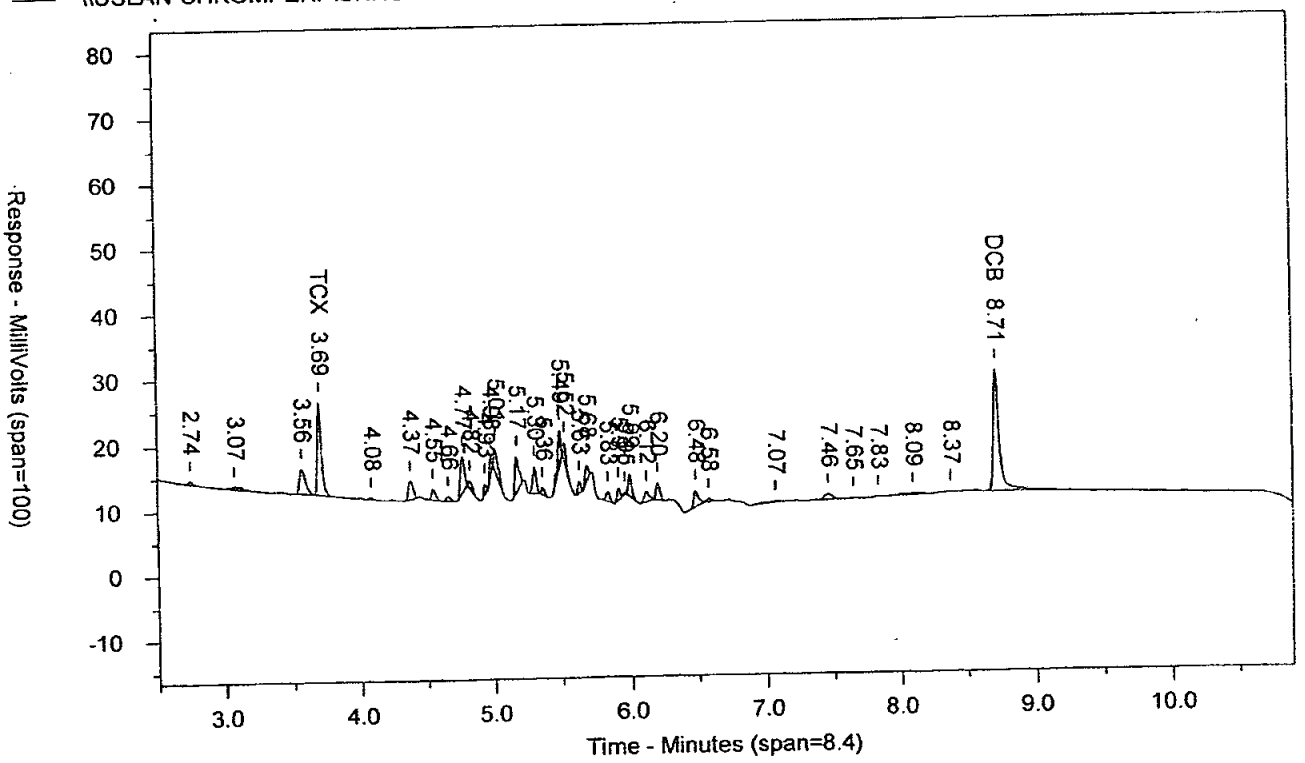

ASX67 8728

LANCASTER LABORATORIES

Sample Number: AR4811224A AAAR481AA ICAL 1218999999
Injected On: 7/8/2012 6:56:49 PM
Instrument ID: CP7-5088A
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: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.855	49388	4.623	TCX	3.694	14230	3.863	TCX
9.261	29912	1.378	DCB	8.715	18482	4.875	DCB

Files:
Area File: 1p7190.014.RAW
Area File: 1p7190B.014.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 7:07:45 PM
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ASX67 8769

AR4811224A AAAR481AA ICAL 1218999999

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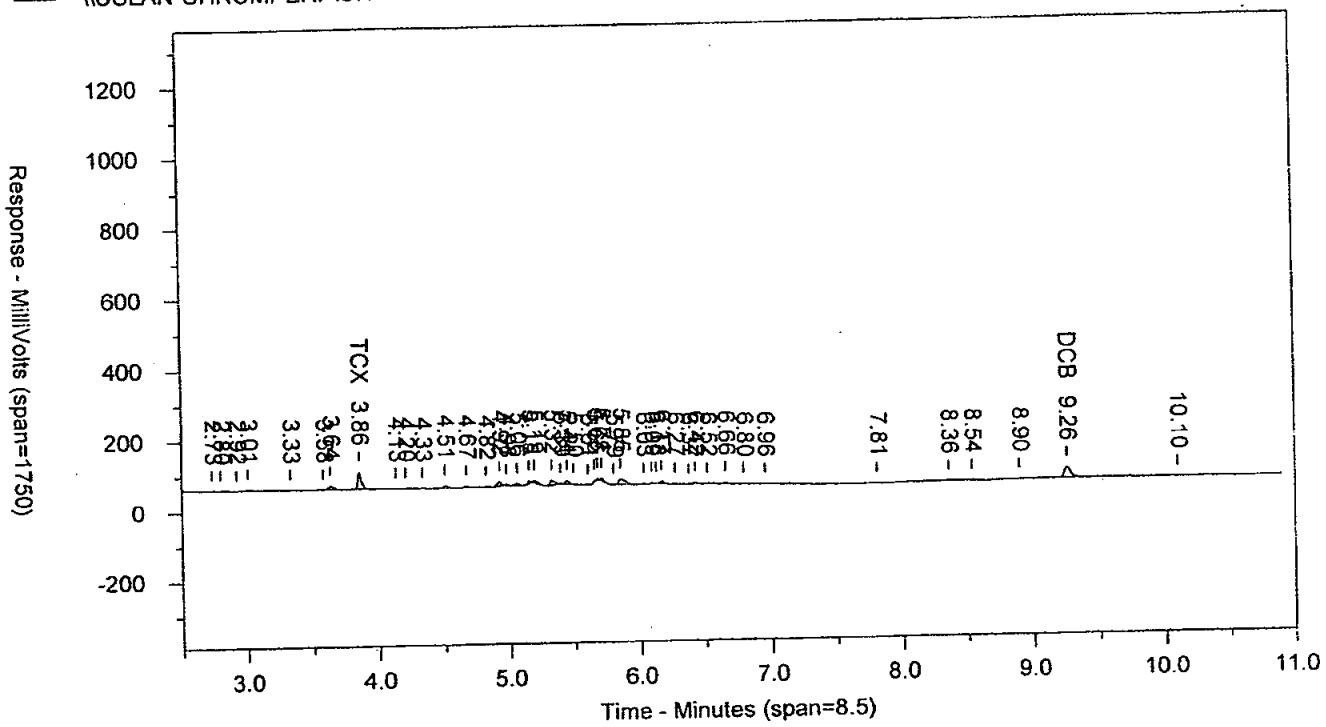

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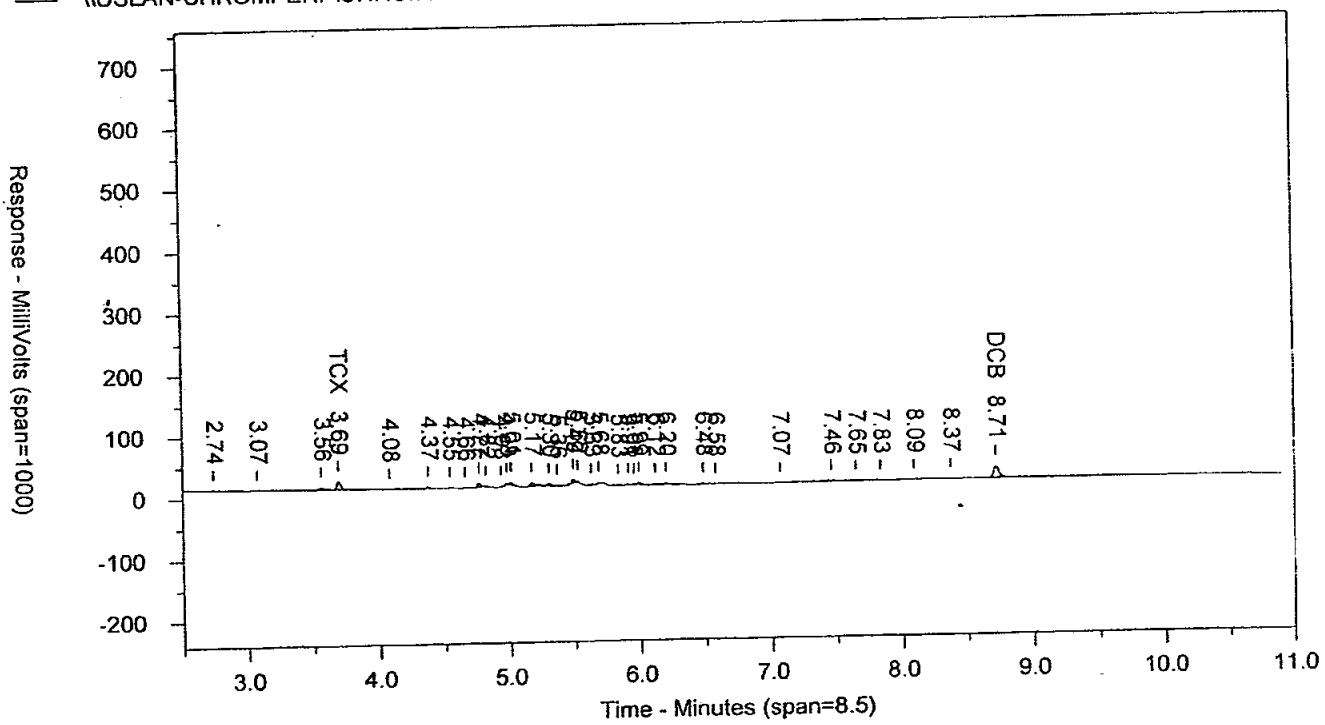

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ASX67 0778

LANCASTER LABORATORIES

Sample Number: AR4821224A BQAR482BQ CCAL 1218999999
Injected On: 7/8/2012 11:11:10 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.031.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

Injection Volume: 1 ul
Analyst: 2855

RT A	Compound A	Height A	Area A
1.53		2017	5366
1.776		1065	3440
2.062		376	736
2.164		878	6792
2.311		732	3033
2.386		876	4713
2.757		238	536
2.798		193	285
2.932		1144	2047
3.018		3122	5080
3.354		922	5074
3.504		290	674
3.558		174	249
3.601		341	306
3.644		8706	24949
3.863	TCX	207598	431387
4.07		273	548
4.14		2923	4872
4.213		1881	3899
4.34		660	1654
4.513		12292	37727
4.677		8947	18891
4.828		935	1458
4.931		23013	53806
4.985		6278	9669
5.067		10665	18285
5.16		14375	19153
5.198		12576	35773
5.331		25234	61915
5.401		3838	3971
5.45		17717	30223
5.503		3784	5236
5.614		1258	1554
5.684		13236	28861
5.714		14629	22422
5.801		969	1144
5.854		27846	109524
6.034		5364	9518
6.098		5336	7377
6.135		2261	2223
6.174		12040	22372
6.277		5544	12786
6.381		930	1185
6.431		9427	19095
6.523		379	392
6.557		688	2045
6.666		9413	20157
6.802		2199	5978
7.05		745	5203
7.381		284	541
7.694		215	402
7.779		354	2509
8.008		983	3327

ASX67 8771

RT A	Compound A	Height A	Area A
8.363		333	4989
8.909		994	16319
9.272	DCB	117281	456362
10.001		161	1333

ASX67 0772

LANCASTER LABORATORIES

Sample Number: AR4821224A BQAR482BQ CCAL 1218999999
Injected On: 7/8/2012 11:11:10 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.031.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 ul
Analyst: 2855

RT B	Compound B	Height B	Area A
1.597		16480	158806
2.747		659	1203
3.569		3538	10493
3.7	TCX	74237	146428
4.001		802	1521
4.083		660	1397
4.38		5160	12834
4.551		3293	7292
4.665		854	1971
4.773		10797	23106
4.826		1989	3674
4.94		3165	4334
4.983		4944	6235
5.017		6357	14293
5.176		10627	21827
5.309		7825	14853
5.37		2080	3243
5.496		10382	17121
5.53		5911	7858
5.633		3632	5448
5.688		4723	7651
5.836		2797	5411
5.914		3631	5454
5.957		1004	1011
5.994		6347	11667
6.121		3095	7606
6.205		5109	10341
6.286		505	2074
6.421		823	1609
6.486		4323	8874
6.581		1129	2778
6.817		456	1704
7.072		348	1130
7.228		285	1937
7.423		329	1389
7.647		632	2189
7.839		237	1294
8.382		501	2249
8.721	DCB	76284	239612

AR4821224A BQAR482BQ CCAL 1218999999

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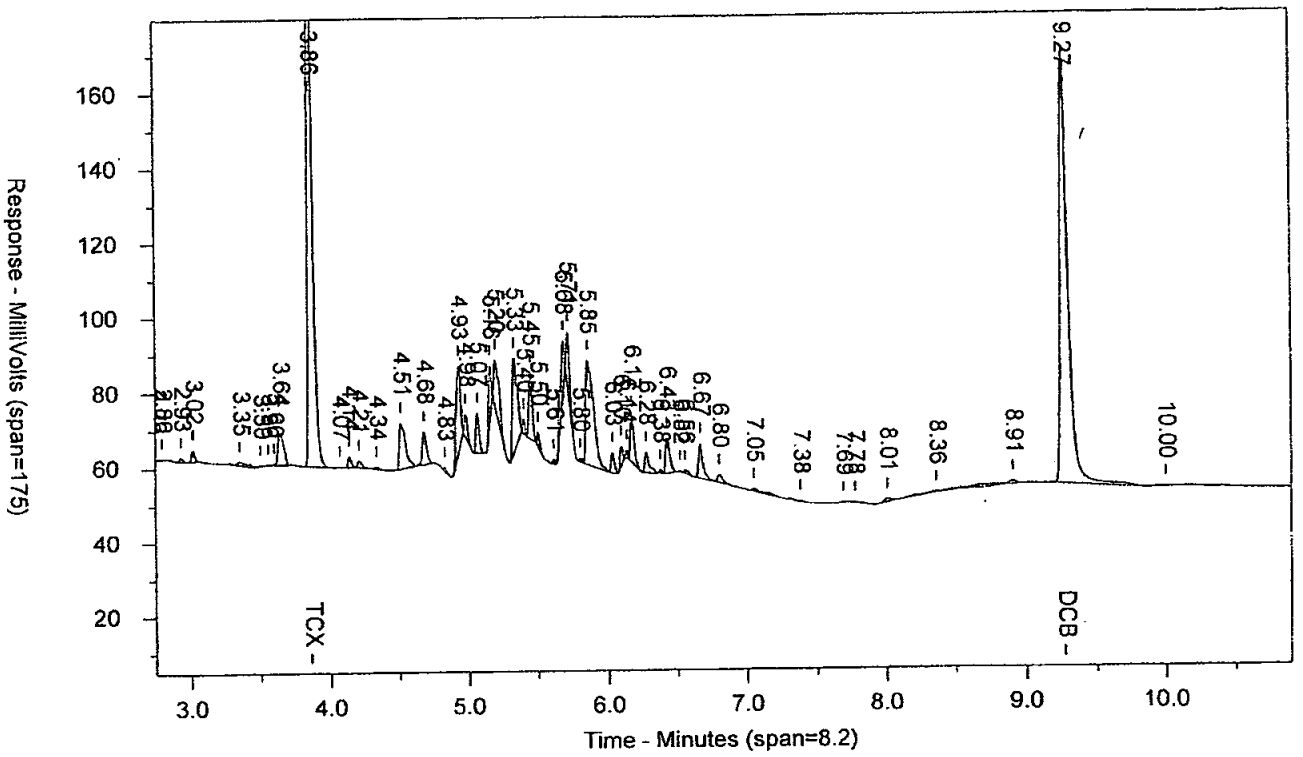

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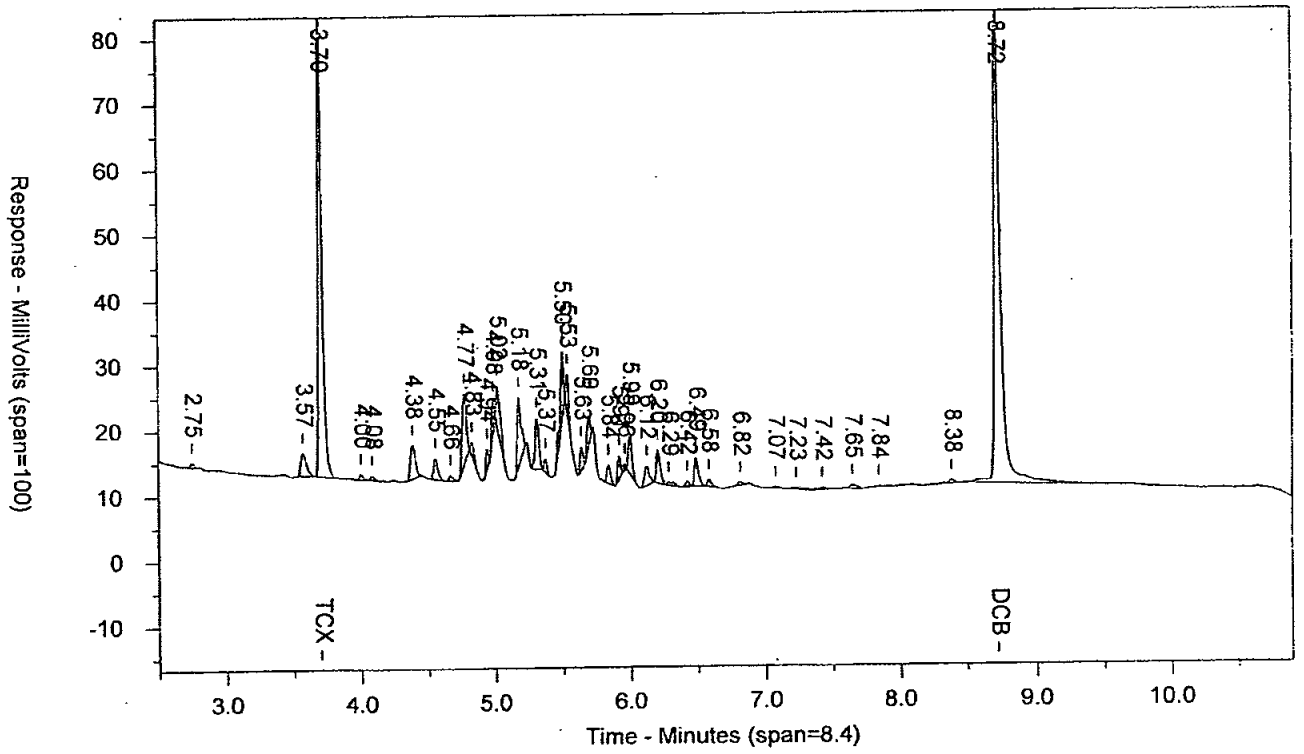

ASX67 0774

LANCASTER LABORATORIES

Sample Number: AR4821224A BQAR482BQ CCAL 1218999999 Sample Weight: 1
Injected On: 7/8/2012 11:11:10 PM Dilution Factor: 1
Instrument ID: CP7-5088A
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: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.863	207598	19.431	TCX	3.7	74237	20.155	TCX
9.272	117281	19.644	DCB	8.721	76284	20.121	DCB

Files:
Area File: 1p7190.031.RAW
Area File: 1p7190B.031.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 11:22:05 PM
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ASX67 0775

AR4821224A BQAR482BQ CCAL 1218999999

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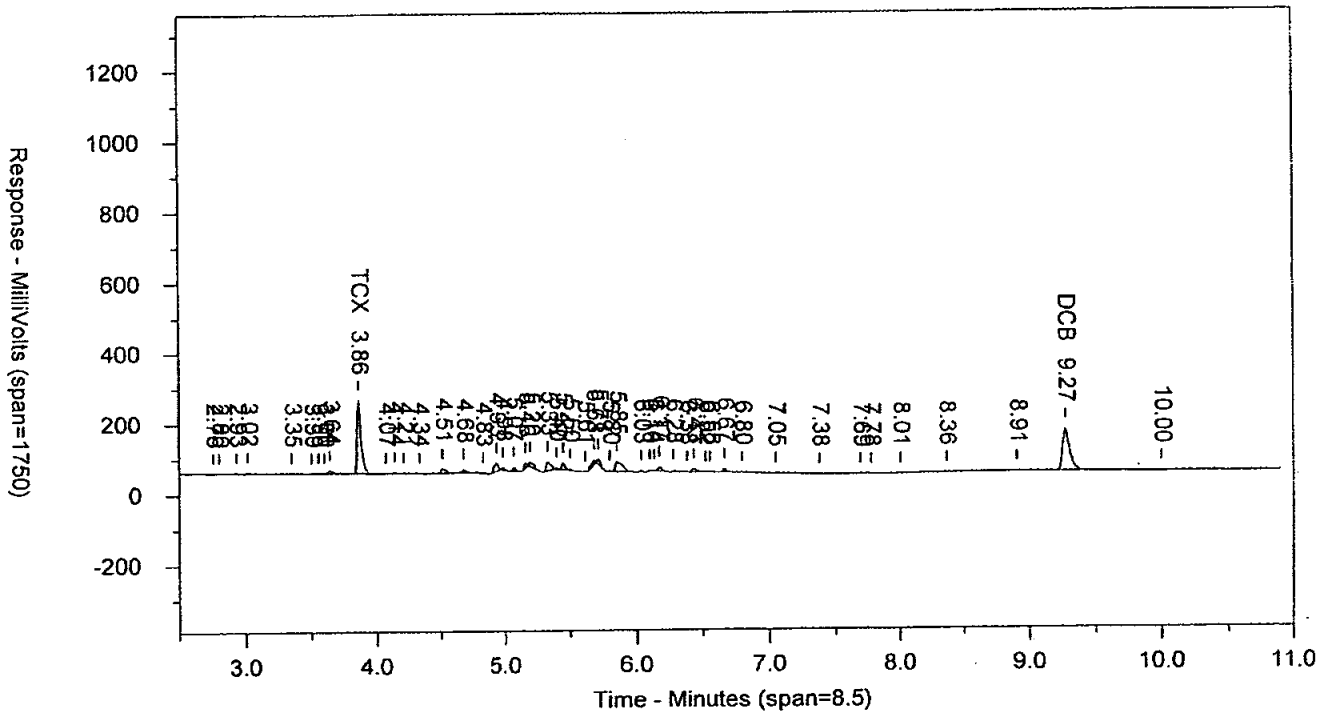

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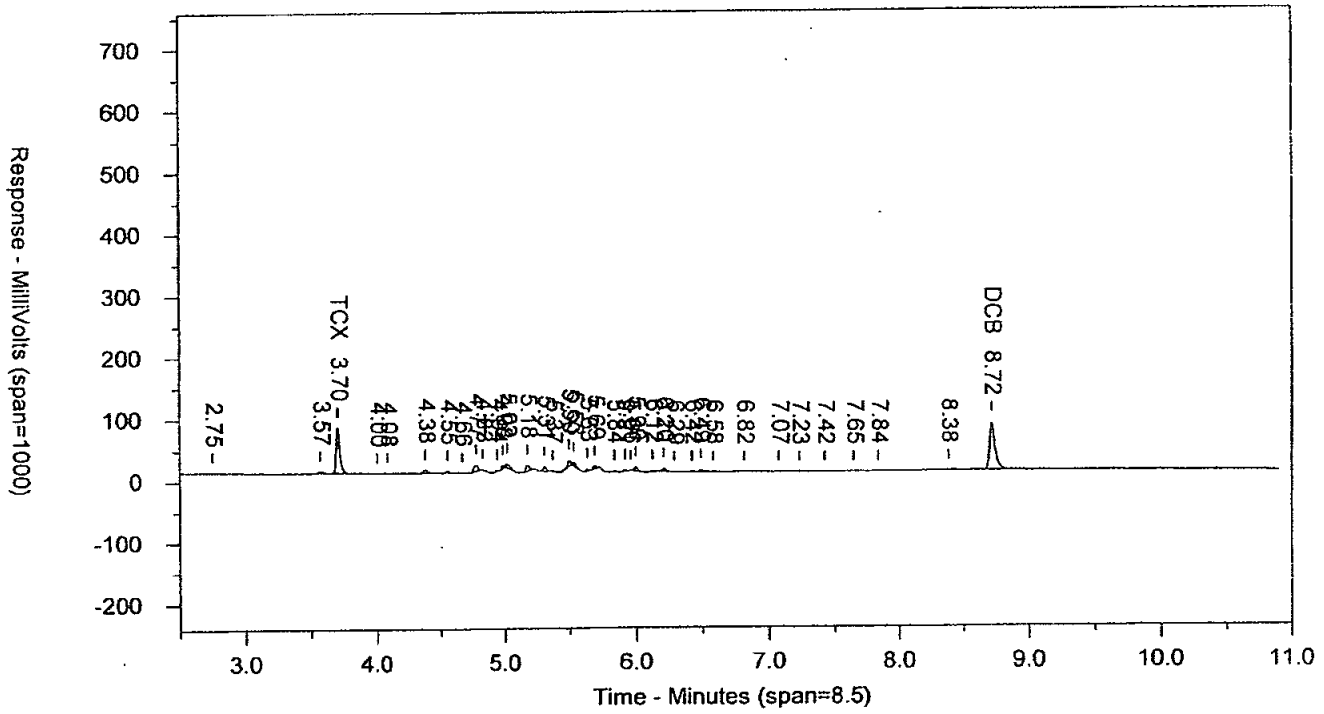

ASX67 0776

LANCASTER LABORATORIES

Sample Number: AR4831224A AAAR483AA ICAL 1218999999
Injected On: 7/8/2012 6:42:02 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.013.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

Injection Volume: SW846 8082
Analyst: 2855

RT A	Compound A	Height A	Area A
1.535		2809	9506
1.754		404	933
1.971		984	6103
2.059		1118	4056
2.162		1876	17889
2.383		1004	3375
2.464		723	2939
2.719		459	1443
2.93		2504	4145
3.017		8542	16346
3.16		2238	7540
3.34		786	10710
3.491		562	1166
3.644		6467	21917
3.76		845	2878
3.862	TCX	397870	861338
4.065		431	807
4.14		5950	10009
4.212		4046	11130
4.347		2367	12175
4.512		25933	91239
4.677		17342	35958
4.757		918	2239
4.83		3962	5876
4.931		44453	102139
4.984		11027	17657
5.067		20839	36120
5.121		844	619
5.159		25988	34359
5.198		24484	70832
5.33		47377	116518
5.402		7334	7605
5.45		33781	58202
5.503		7296	10334
5.614		2557	3146
5.684		23900	55280
5.714		28818	44477
5.801		1635	1938
5.854		52805	200838
5.978		1024	1181
6.034		9988	16624
6.099		10657	14985
6.135		4462	4376
6.173		23766	44279
6.277		10666	24380
6.381		1860	2448
6.432		19069	47954
6.523		664	574
6.558		1753	4544
6.666		18465	42670
6.803		4327	11644
7.053		1263	2444
7.111		982	5029

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RT A	Compound A	Height A	Area A
7.305		788	1407
7.384		793	1667
7.824		569	5246
8.005		1292	2927
8.213		772	5222
8.353		891	4508
8.535		5594	48872
8.907		5693	77118
9.272	DCB	214766	889196
10.132		291	2046
10.368		330	2813
10.637		222	2224

ASX67 0778

LANCASTER LABORATORIES

Sample Number: AR4831224A AAAR483AA ICAL 1218999999
Injected On: 7/8/2012 6:42:02 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.013.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 uSW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.597		16094	176334
2.643		467	1108
2.745		1703	3198
2.849		455	1043
2.957		930	2229
3.567		2199	6885
3.697	TCX	147921	288363
3.999		1708	3522
4.082		1331	2780
4.247		445	990
4.378		10504	30491
4.55		6084	12165
4.663		1211	2513
4.771		20864	43206
4.823		3731	6210
4.938		6302	8610
4.981		9673	12047
5.015		12611	28225
5.174		20029	40505
5.307		15660	29467
5.369		4113	6336
5.494		20707	33884
5.528		12073	15839
5.632		6794	9873
5.687		16529	56818
5.835		5488	10523
5.913		7294	11215
5.956		1863	1866
5.993		12222	21555
6.119		6105	14986
6.203		10113	20428
6.298		3938	15970
6.421		590	830
6.486		8562	19022
6.581		2191	5503
6.716		1311	7967
7.071		1438	12141
7.231		389	1359
7.423		713	2983
7.646		1112	3560
7.834		298	1916
8.009		171	648
8.378		1010	3612
8.719	DCB	140044	410961
9.305		200	1482
10.413		464	23746

BK 2855 8 July 12

ASX67 8779

AR4831224A AAAR483AA ICAL 1218999999 SW-846 8082

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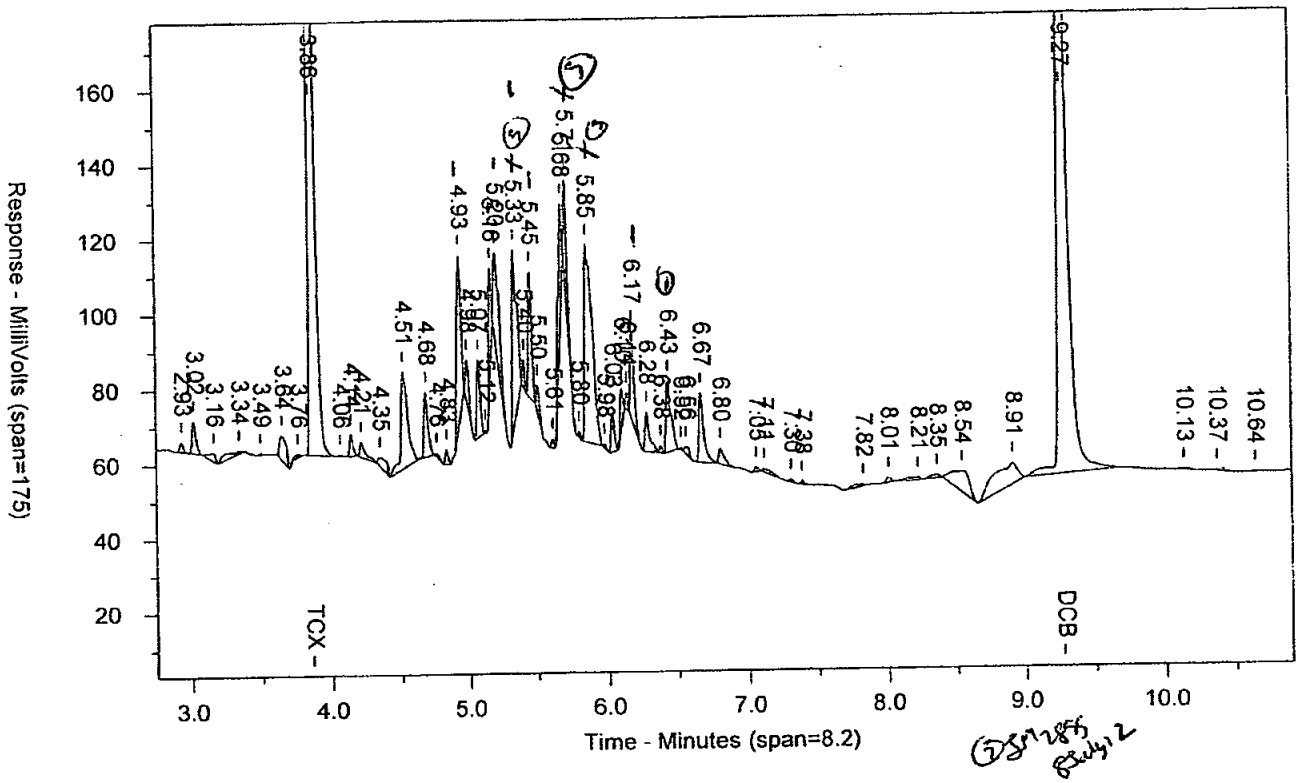

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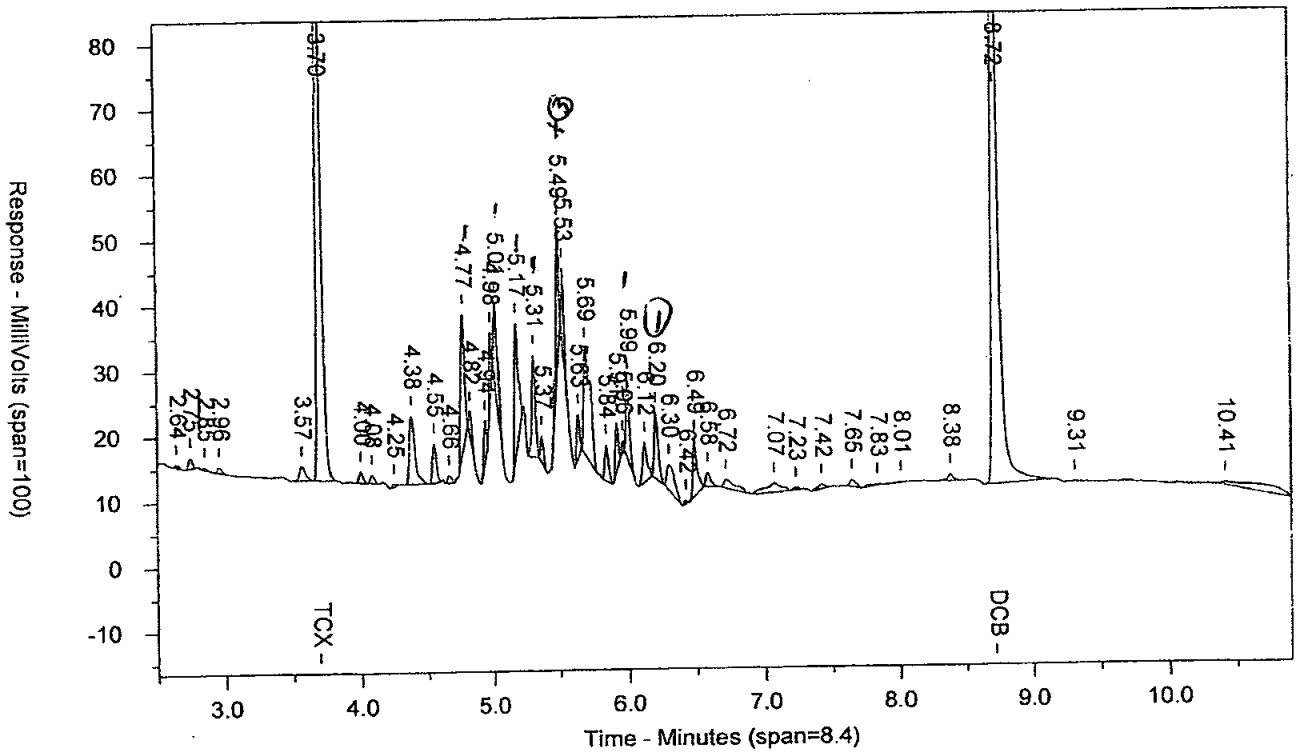

ASX67 0788

LANCASTER LABORATORIES

Sample Number: AR4831224A AAAR483AA ICAL 1218999999
Injected On: 7/8/2012 6:42:02 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.862	397870	37.239	TCX	3.697	147921	40.16	TCX
9.272	214766	40.025	DCB	8.719	140044	36.938	DCB

Files:
Area File: 1p7190.013.RAW
Area File: 1p7190B.013.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 6:52:58 PM
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AR4831224A AAAR483AA ICAL 1218999999 SW-846 8082

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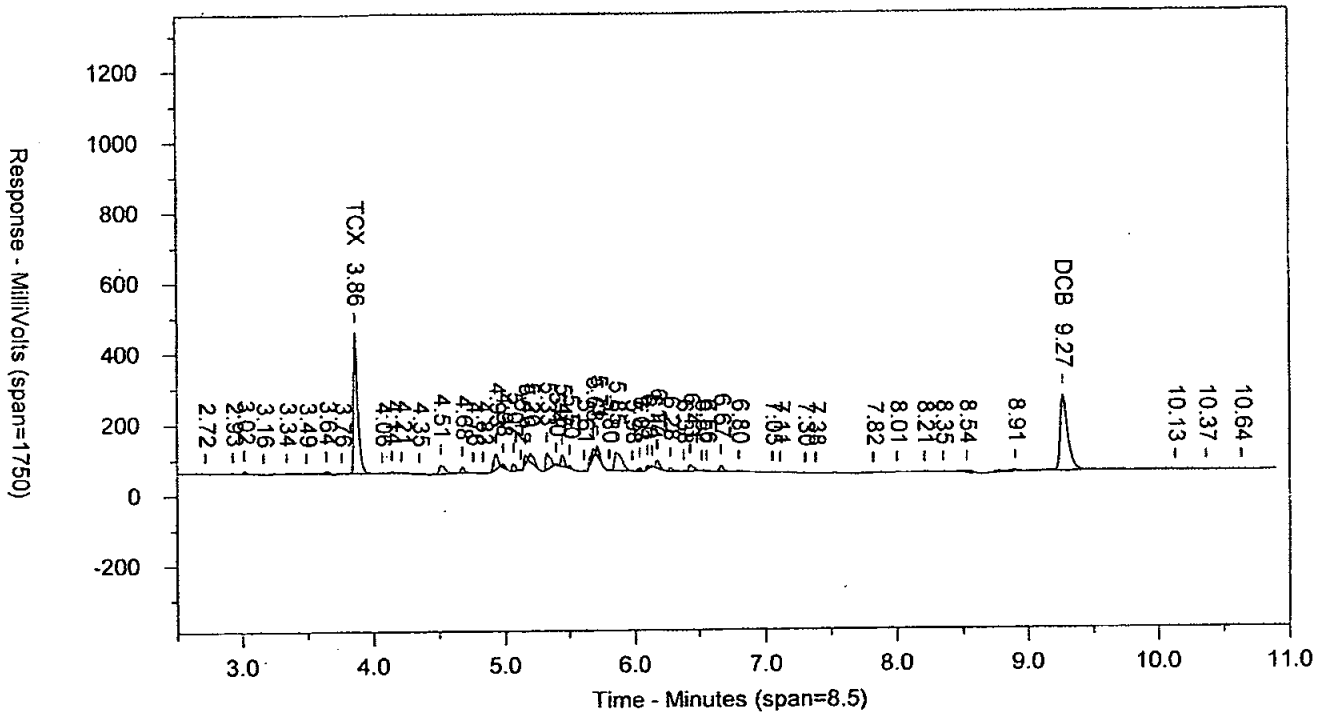

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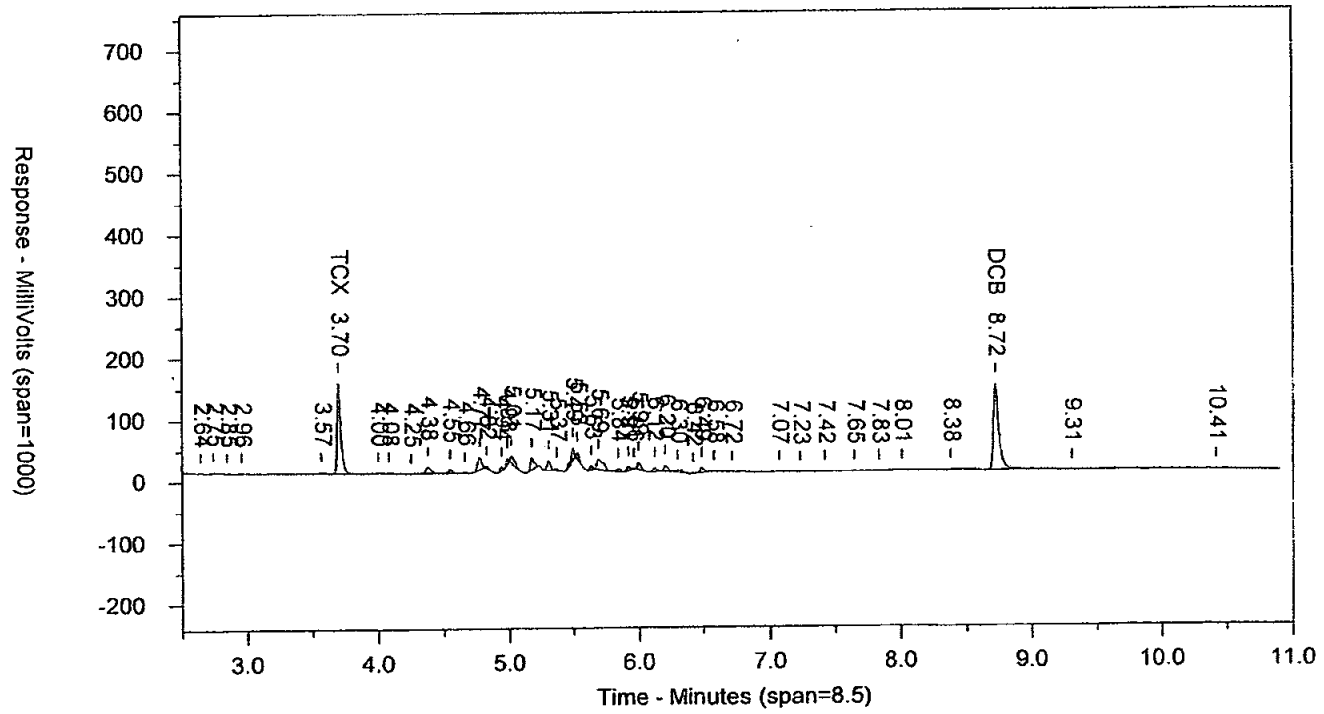

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LANCASTER LABORATORIES

Sample Number: AR4841224A AAAR484AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 7:11:34 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.015.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.757		6208	15374
1.883		1411	4779
1.961		2944	10052
2.156		2296	12761
2.254		2301	9511
2.368		2103	9406
2.487		1407	5924
2.651		951	2028
2.702		1923	2548
2.833		22635	46573
2.926		6110	10901
3.011		11982	35553
3.16		414	663
3.244		2377	4882
3.341		1434	6192
3.418		956	2774
3.489		2892	6468
3.556		408	483
3.636		8617	27945
3.787		568	688
3.814		512	391
3.855	TCX	600779	1400941
4.063		1128	1949
4.133		11202	23438
4.205		9418	18154
4.336		3570	8283
4.453		984	1271
4.505		60320	199914
4.669		39119	81996
4.751		1053	1300
4.825		9642	21284
4.924		116980	270631
4.977		21106	33632
5.06		49806	86262
5.113		2794	2134
5.152		67043	83391
5.191		60076	188334
5.323		112741	280436
5.395		18518	19436
5.443		83248	140858
5.495		15497	21924
5.61		7547	9705
5.651		37215	39435
5.678		76224	189435
5.799		4137	5313
5.848		48974	66924
5.868		16143	37890
5.972		2946	3341
6.029		27543	50160
6.09		24275	30696
6.13		7492	7222
6.167		59666	115702
6.272		28764	69676

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RT A	Compound A	Height A	Area A
6.375		5159	6711
6.425		55901	105405
6.574		9456	38149
6.66		50805	107649
6.799		9483	29459
6.964		1764	11835
7.048		4434	11873
7.158		1459	4189
7.301		2520	5748
7.378		1933	4016
7.543		1600	3940
7.687		1190	2182
7.851		1890	10328
7.997		2258	5343
8.147		377	1274
8.207		739	1611
8.351		1072	6399
8.465		467	1399
8.749		581	7164
8.897		3873	16259
9.134		565	3062
9.262	DCB	339076	1351659
9.615		3161	10935
9.719		3585	20062
10.393		913	10261
10.658		1078	5492

ASX67 0784

LANCASTER LABORATORIES

Sample Number: AR4841224A AAAR484AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 7:11:34 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.015.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.589		73177	677165
1.902		3672	11226
2.467		2683	8454
2.741		1882	2872
2.792		5311	11691
2.9		2110	4001
3.16		819	1752
3.42		648	3041
3.564		3234	10207
3.693	TCX	244372	471958
3.861		21641	50855
3.997		2669	5563
4.079		3774	8036
4.164		1657	2972
4.236		1997	4106
4.374		29456	82405
4.546		16728	35993
4.661		4056	9984
4.768		57043	116877
4.819		8643	14141
4.935		17992	23287
4.977		23299	26157
5.011		32466	72613
5.128		705	703
5.17		35802	65149
5.231		5705	11087
5.303		37035	62032
5.365		10752	16317
5.462		9268	10891
5.518		121509	363979
5.628		18539	26360
5.682		21572	32982
5.72		15341	22183
5.831		16168	27223
5.911		17024	24987
5.954		5014	4887
5.989		33138	56657
6.116		16450	39934
6.2		25135	43117
6.263		27566	57345
6.433		2634	6341
6.482		24504	49753
6.578		5883	11873
6.878		1850	3084
6.938		534	693
7.067		1790	4811
7.148		2775	4333
7.345		16338	69223
7.642		1850	5111
7.84		3076	7026
8.053		694	1460
8.183		660	1954
8.269		1086	3910
8.375		1957	5993

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8.603		2081	5472
8.714	DCB	227875	615118
8.975		896	2507
9.245		286	2732
9.427		478	1881
9.583		410	1170
9.787		501	1270
10.408		1021	7406
10.628		601	10075

ASX67 0786

AR4841224A AAAR484AA ICAL 1218999999 SW-846 8082

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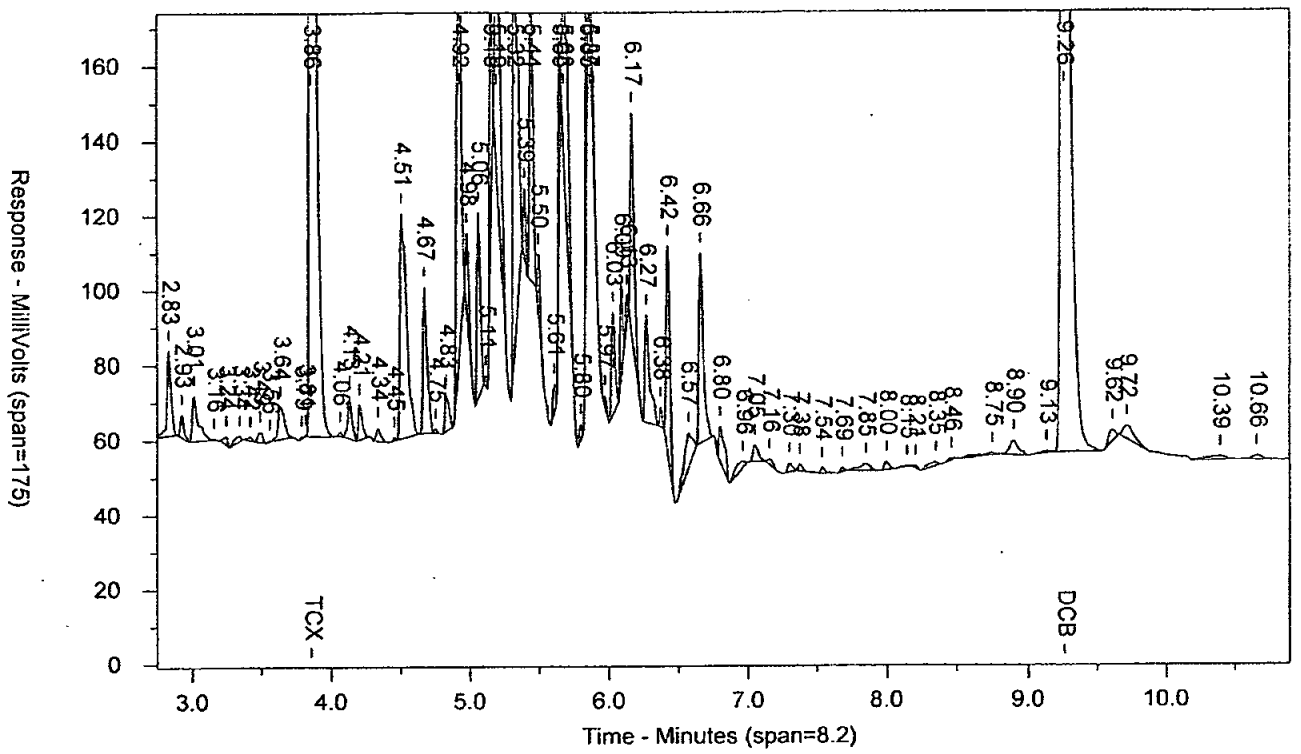

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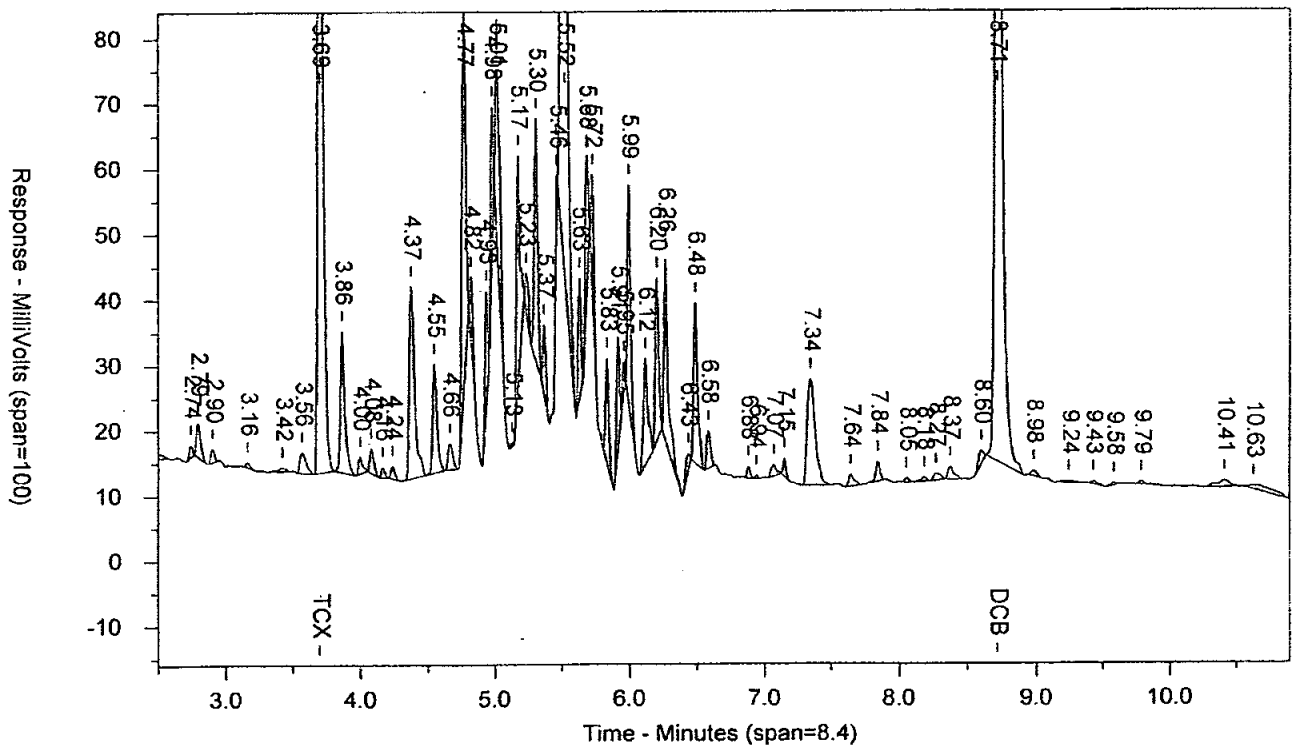

ASX67 8787

LANCASTER LABORATORIES

Sample Number: AR4841224A AAAR484AA ICAL 1218999999
Injected On: 7/8/2012 7:11:34 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.855	600779	56.231	TCX	3.693	244372	66.346	TCX
9.262	339076	66.014	DCB	8.714	227875	60.105	DCB

Files:
Area File: 1p7190.015.RAW
Area File: 1p7190B.015.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 7:22:29 PM
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ASX67 8788

AR4841224A AAAR484AA ICAL 1218999999 SW-846 8082

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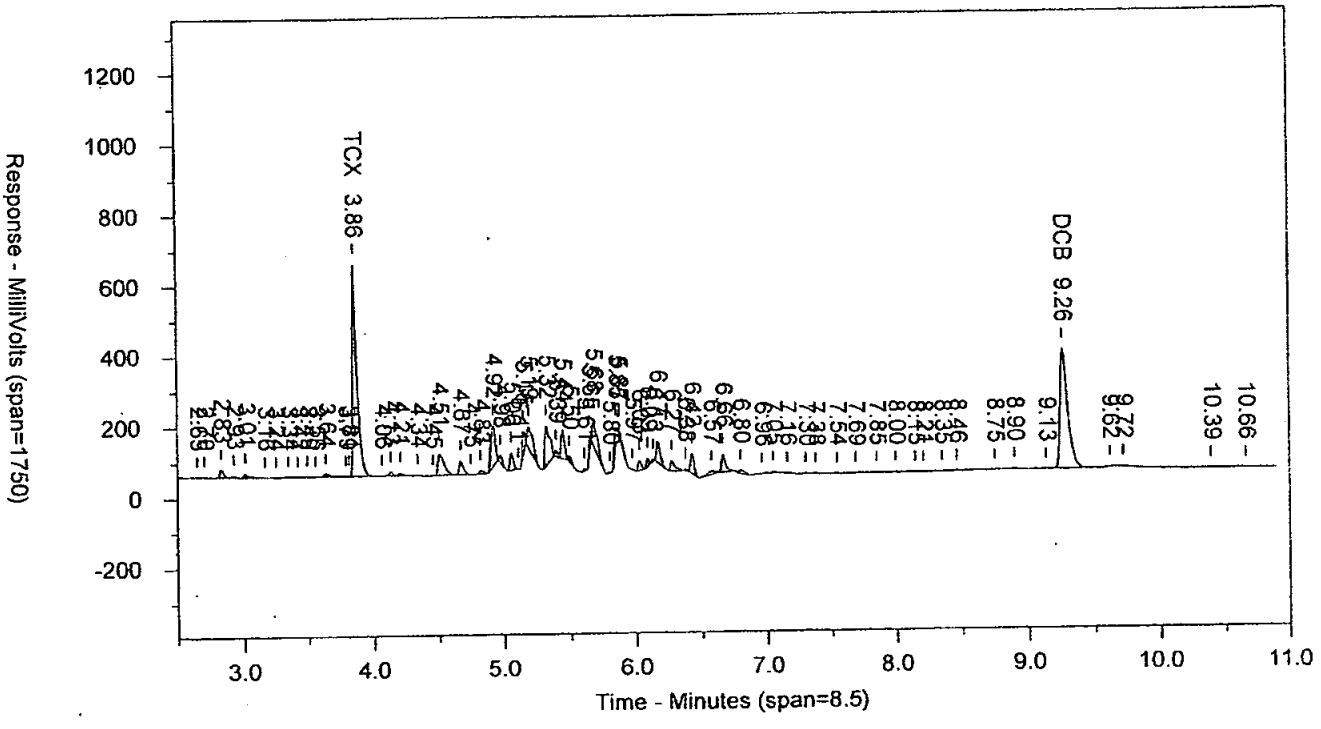

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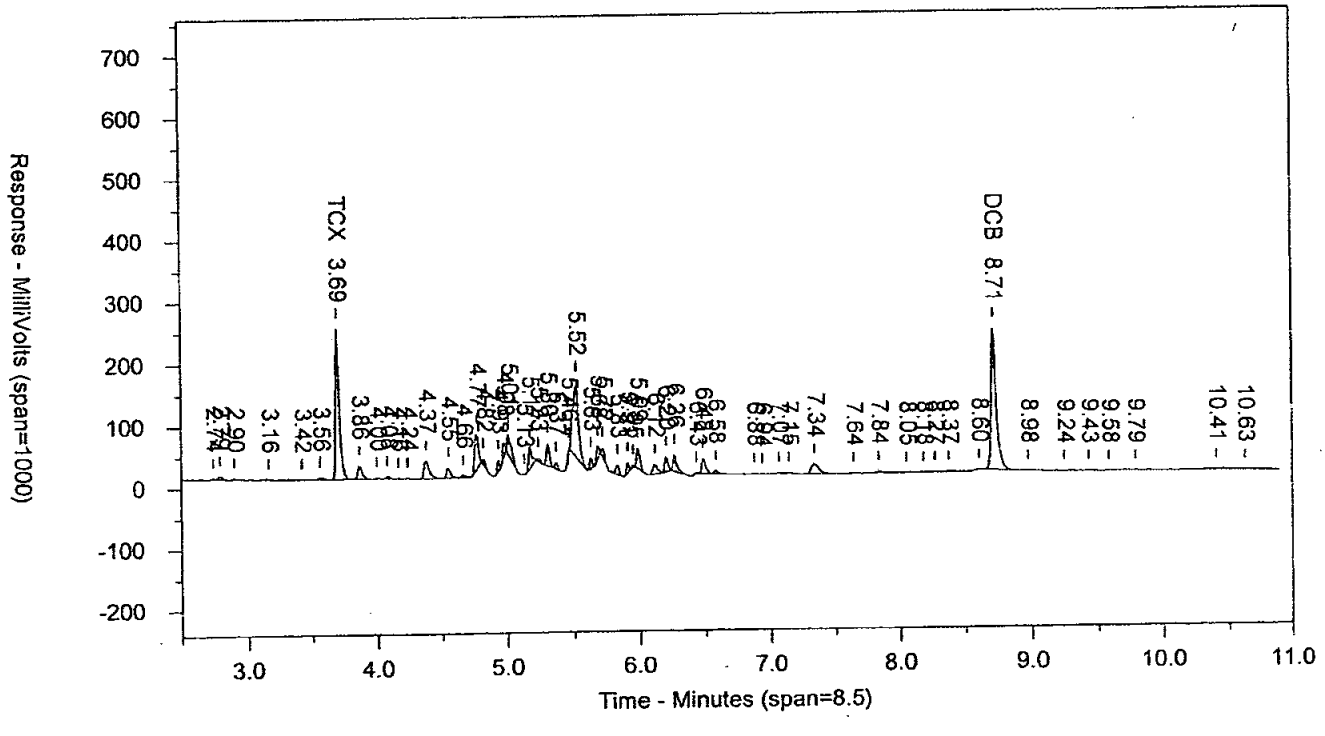

ASX67 8789

LANCASTER LABORATORIES

Sample Number: AR4851224A AAAR485AA ICAL 1218999999 Injection Volume:SW846 8082
Injected On: 7/8/2012 7:26:11 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.016.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.533		2161	8750
1.75		498	1100
1.967		836	4385
2.161		1045	10051
2.457		574	3048
2.703		464	911
2.833		2153	4543
2.925		4800	8761
3.012		2134	3356
3.063		1527	2676
3.347		803	5320
3.484		666	1338
3.635		6671	36784
3.856	TCX	721721	1644872
4.059		2019	3822
4.134		12941	22415
4.206		17820	37259
4.337		6005	13612
4.505		100714	336824
4.67		75655	173084
4.826		17487	41924
4.924		197662	462775
4.976		43440	66602
5.061		88229	155128
5.113		3648	2694
5.152		110997	140822
5.19		97707	299004
5.324		192071	470666
5.394		30710	31745
5.443		138101	235814
5.495		27696	38713
5.61		11537	14383
5.653		38991	49381
5.677		85677	87485
5.705		61558	88884
5.793		6837	7566
5.847		93499	116452
5.868		28878	64164
6.028		41310	73561
6.092		45301	61863
6.129		17744	17232
6.167		99101	192363
6.271		46827	112299
6.375		8402	10790
6.425		88471	179131
6.521		3641	3858
6.57		11191	28948
6.66		89066	207002
6.798		20280	55789
7.048		7345	19457
7.301		3636	7098
7.379		3525	7670
7.688		1796	3153

ASX67 8798

RT A	Compound A	Height A	Area A
7.77		953	3442
7.998		2655	6349
8.153		386	1238
8.353		281	1342
8.459		916	2168
8.898		9344	112512
9.264	DCB	380104	1597284
9.707		354	2087
10.164		538	2501
10.394		529	4126
10.624		112	513

ASX67 0791

LANCASTER LABORATORIES

Sample Number: AR4851224A AAAR485AA ICAL 1218999999
Injected On: 7/8/2012 7:26:11 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.016.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 uSW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.601		20362	219932
2.741		411	649
2.798		1361	3094
2.956		436	896
3.115		327	1829
3.413		512	2569
3.565		1118	4503
3.695	TCX	287294	565588
3.863		1366	2429
3.918		515	870
3.999		3779	7616
4.081		6487	13746
4.24		2164	4697
4.374		47336	131241
4.547		28966	61982
4.663		6420	16555
4.768		96707	196435
4.82		16568	26027
4.935		32265	41458
4.977		44540	50079
5.011		54799	116995
5.17		76007	146299
5.231		14364	18167
5.303		70704	127044
5.366		18272	27589
5.461		17320	19578
5.49		79435	87271
5.524		58291	76054
5.628		30351	42270
5.683		44105	66680
5.72		27466	33473
5.831		25733	44019
5.91		34197	48074
5.954		9492	9178
5.989		56710	94514
6.116		27995	67257
6.2		44591	81818
6.279		2375	2834
6.418		4496	7921
6.483		41807	82015
6.579		10470	27206
6.798		682	2079
6.878		2046	3084
7.068		3164	12592
7.35		1857	5576
7.415		1408	2751
7.642		1902	4745
8.002		536	1289
8.376		2045	5461
8.715	DCB	254313	747854
9.58		269	705

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ASX67 8792

AR4851224A AAAR485AA ICAL 1218999999 SW-846 8082

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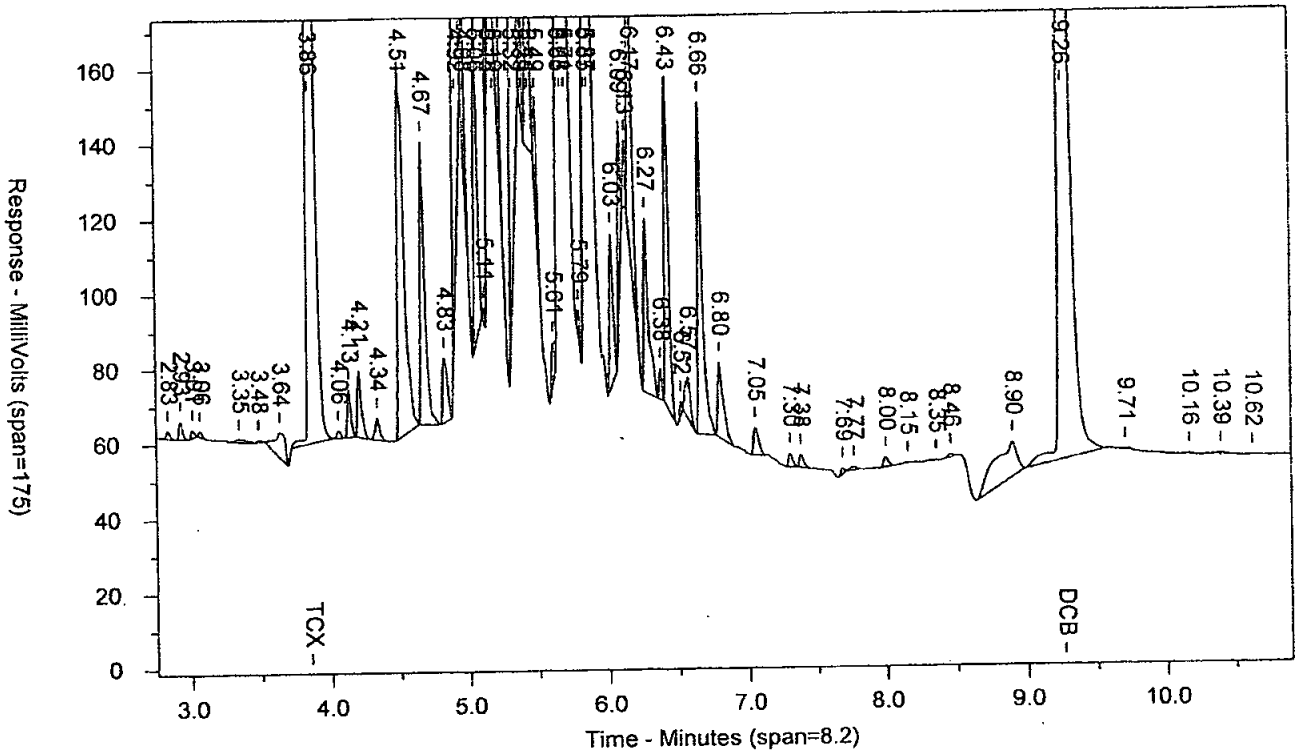

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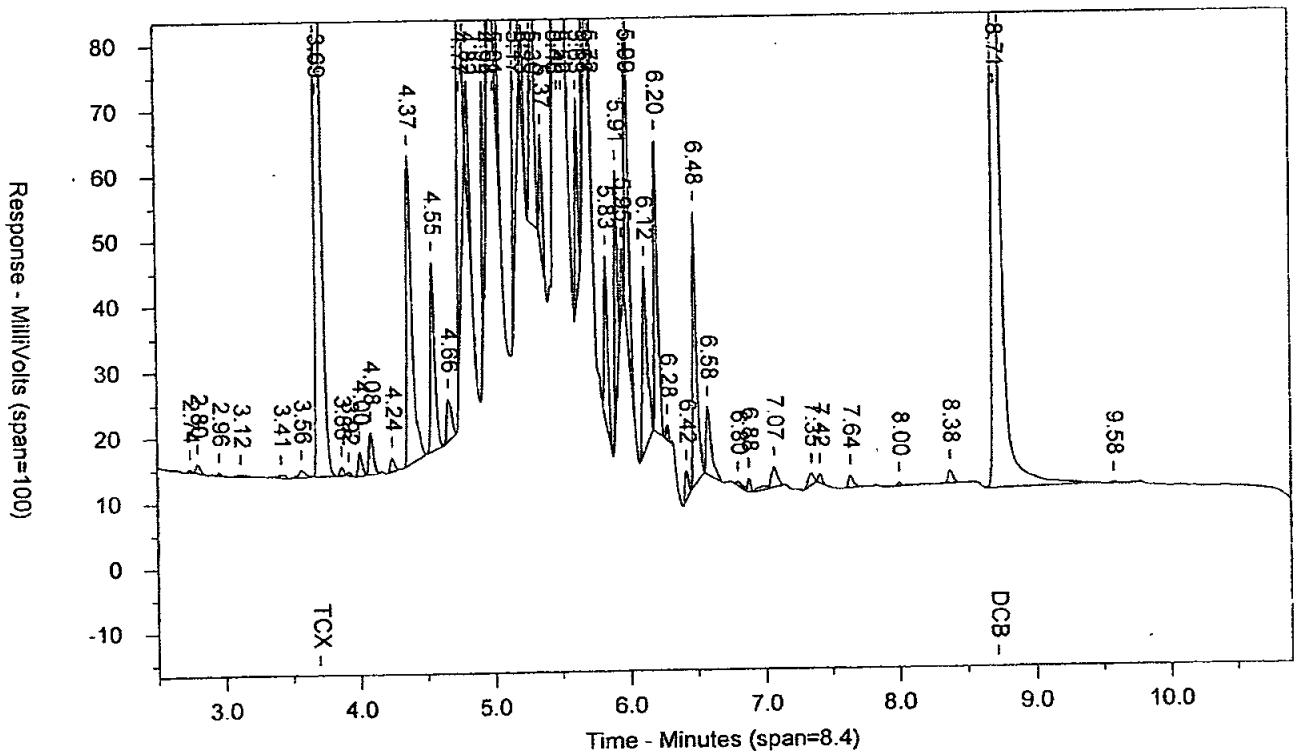

ASX67 8793

LANCASTER LABORATORIES

Sample Number: AR4851224A AAAR485AA ICAL 1218999999
Injected On: 7/8/2012 7:26:11 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.856	721721	67.551	TCX	3.695	287294	78	TCX
9.264	380104	74.592	DCB	8.715	254313	67.078	DCB

Files:
Area File: 1p7190.016.RAW
Area File: 1p7190B.016.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 7:37:06 PM
File Reported On: 7/8/2012 at 7:37:09 PM

ASX67 0793

AR4851224A AAAR485AA ICAL 1218999999 SW-846 8082

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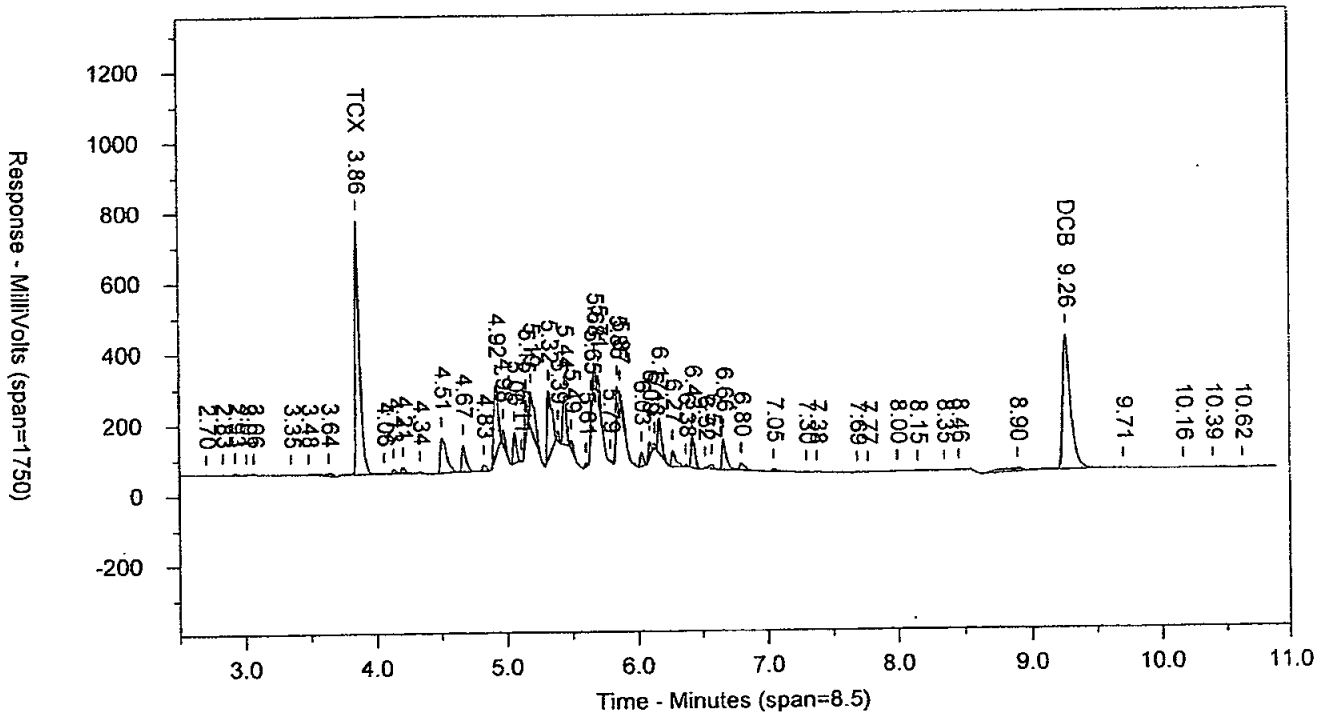

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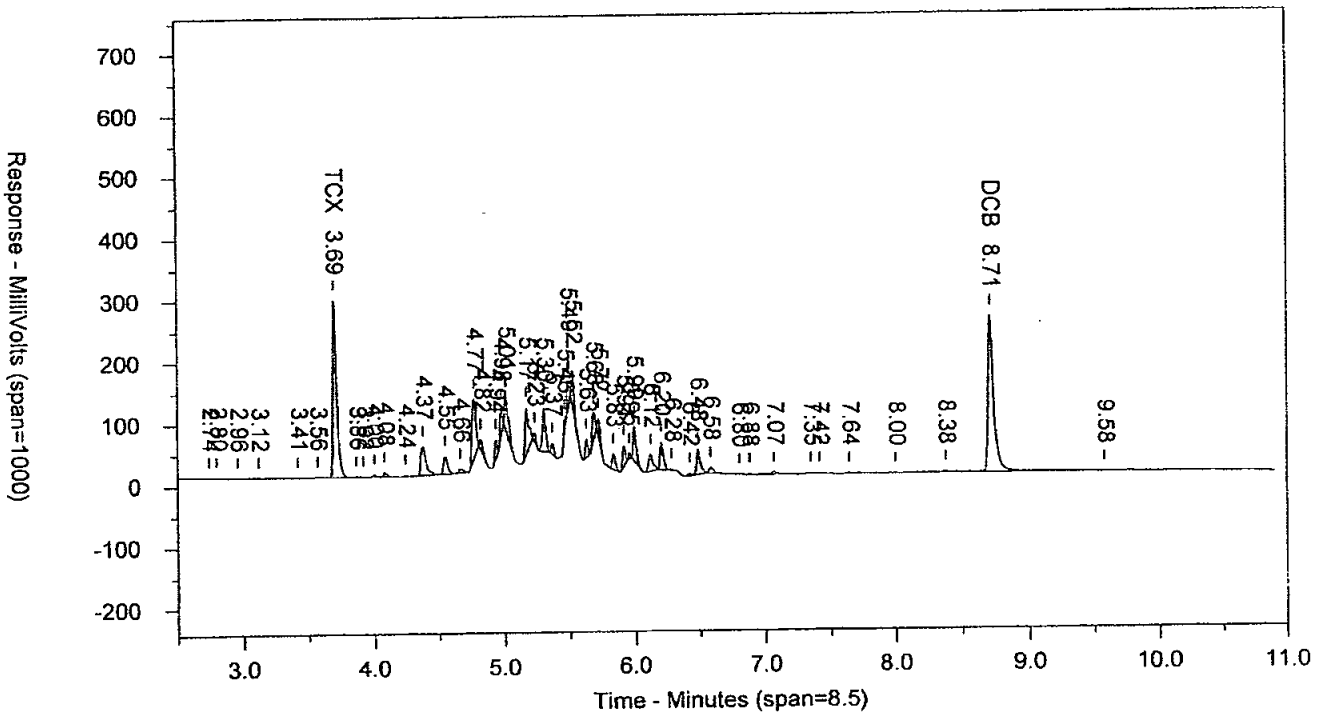


ASX67 0795

LANCASTER LABORATORIES

Sample Number: AR5411224A AAAR541AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 7:40:43 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.017.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.529		1034	2957
1.752		516	1568
1.885		607	2287
1.966		605	1751
2.054		452	851
2.159		997	6538
2.705		2827	7606
2.833		855	2649
3.01		2044	7976
3.334		1015	4815
3.484		715	1395
3.549		144	190
3.635		4719	17391
3.759		534	1756
3.856	TCX	49507	95991
4.13		512	712
4.204		211	496
4.283		423	499
4.506		367	780
4.694		266	1637
4.823		1177	6030
5.055		1504	12271
5.152		10723	33252
5.323		5796	13804
5.444		1929	3259
5.539		220	292
5.601		740	1147
5.654		15983	59513
5.797		2663	3770
5.85		18049	29635
5.89		3010	4012
6.028		6142	10766
6.092		11397	24731
6.167		21804	42856
6.269		2141	2666
6.317		7594	18259
6.424		17119	33784
6.568		11706	35333
6.659		11472	21619
6.744		796	1232
6.796		18011	48867
7.047		5294	13995
7.299		2985	6110
7.376		1936	3692
7.686		1601	2859
7.823		90	227
8.204		1215	11351
8.341		2635	12693
8.544		2292	22755
8.893		1031	20559
9.053		251	1403
9.261	DCB	29982	104017
10.085		387	3285

ASX67 8796

LANCASTER LABORATORIES

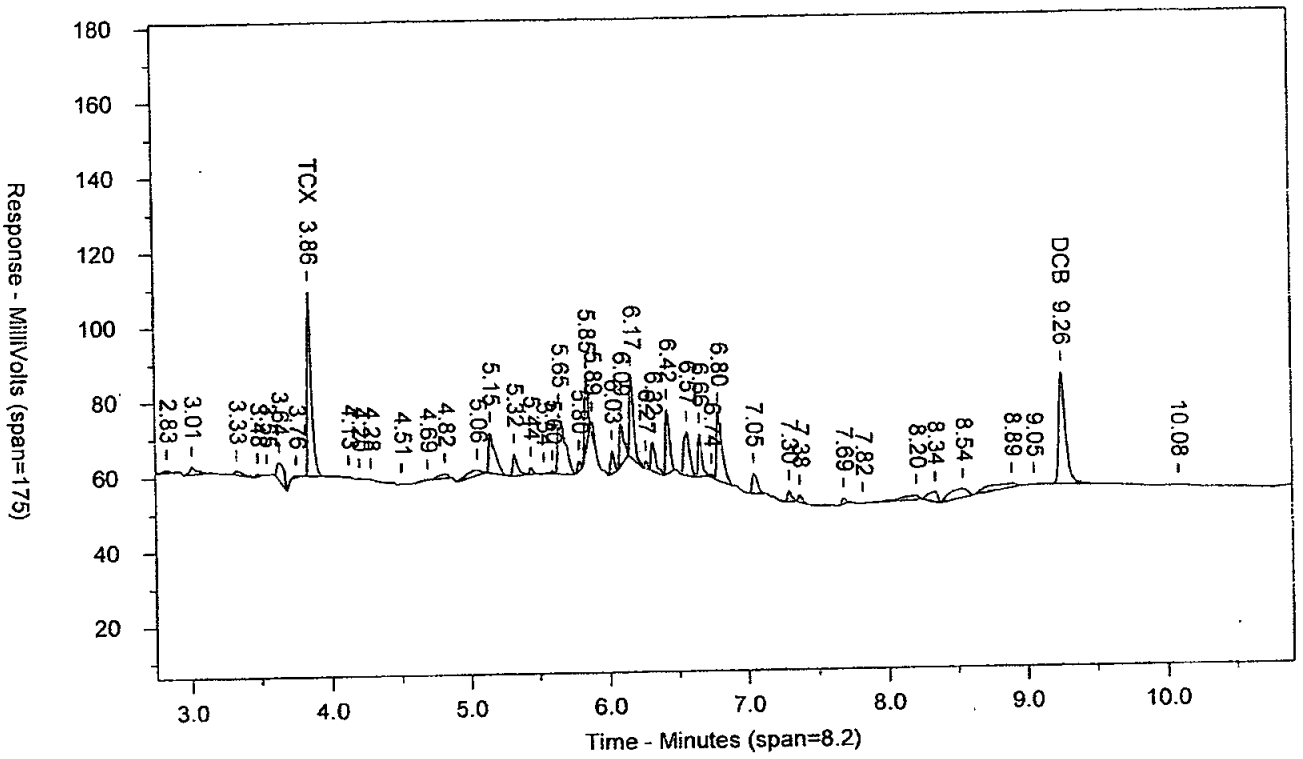
Sample Number: AR5411224A AAAR541AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 7:40:43 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.017.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.594		19838	225258
2.641		804	2099
3.409		460	1517
3.564		1442	4203
3.695	TCX	14829	30659
4.465		217	750
4.657		325	654
4.721		251	326
4.979		4940	15013
5.17		2614	7235
5.303		767	1396
5.492		10021	20852
5.574		1209	1817
5.628		7123	10998
5.671		1251	1249
5.783		368	473
5.831		3232	6203
5.909		5453	8738
5.99		12405	28853
6.112		6032	13838
6.2		8228	17911
6.282		5350	12696
6.416		4639	8750
6.482		4100	6344
6.577		9558	25246
6.798		378	539
6.878		2210	3791
7.066		2124	7243
7.415		1449	4495
7.642		1022	5457
7.839		517	4832
7.992		217	1536
8.715	DCB	19255	53329
10.268		146	1391

ASX67 8797

AR5411224A AAAR541AA ICAL 1218999999 SW-846 8082

\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.017.RAW



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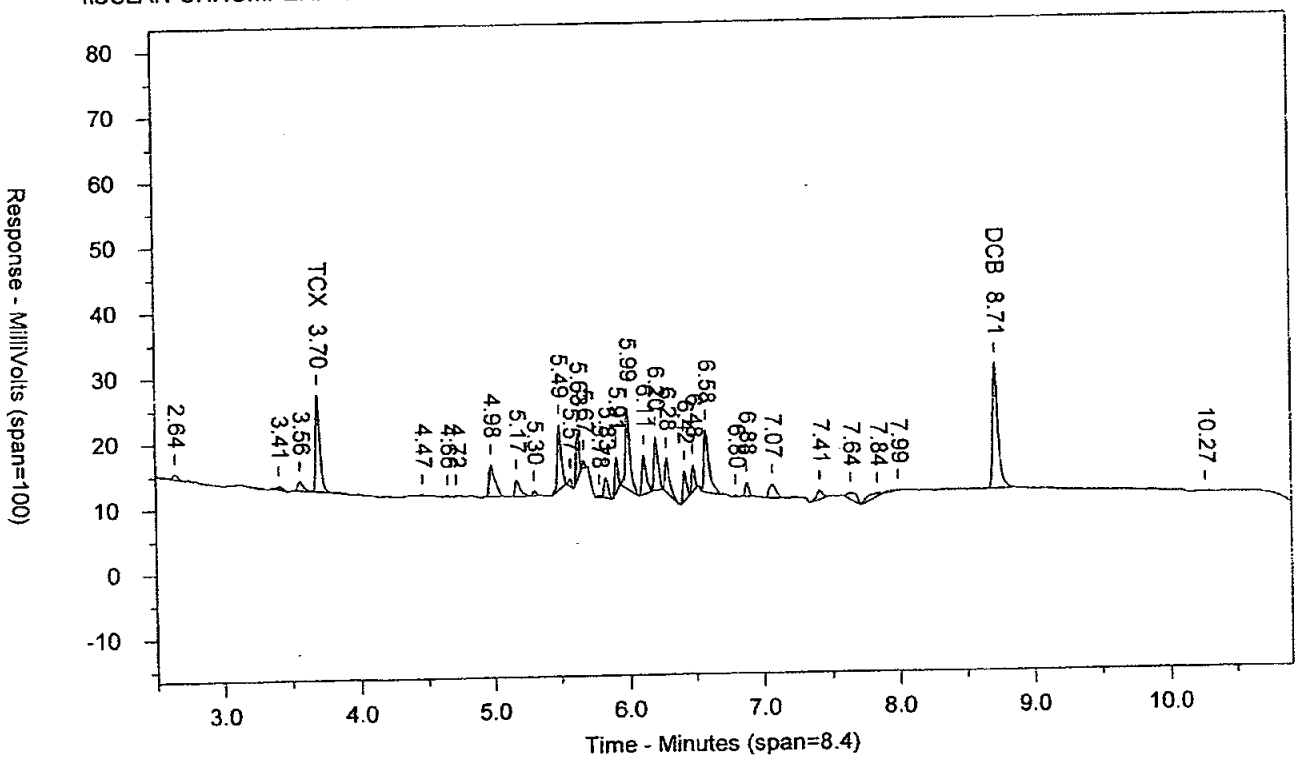

ASX67 8798

LANCASTER LABORATORIES

Sample Number: AR5411224A AAAR541AA ICAL 1218999999
Injected On: 7/8/2012 7:40:43 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.856	49507	4.634	TCX	3.695	14829	4.026	TCX
9.261	29982	1.393	DCB	8.715	19255	5.079	DCB

Files:
Area File: 1p7190.017.RAW
Area File: 1p7190B.017.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 7:51:38 PM
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ASX67 0799

AR5411224A AAAR541AA ICAL 1218999999 SW-846 8082

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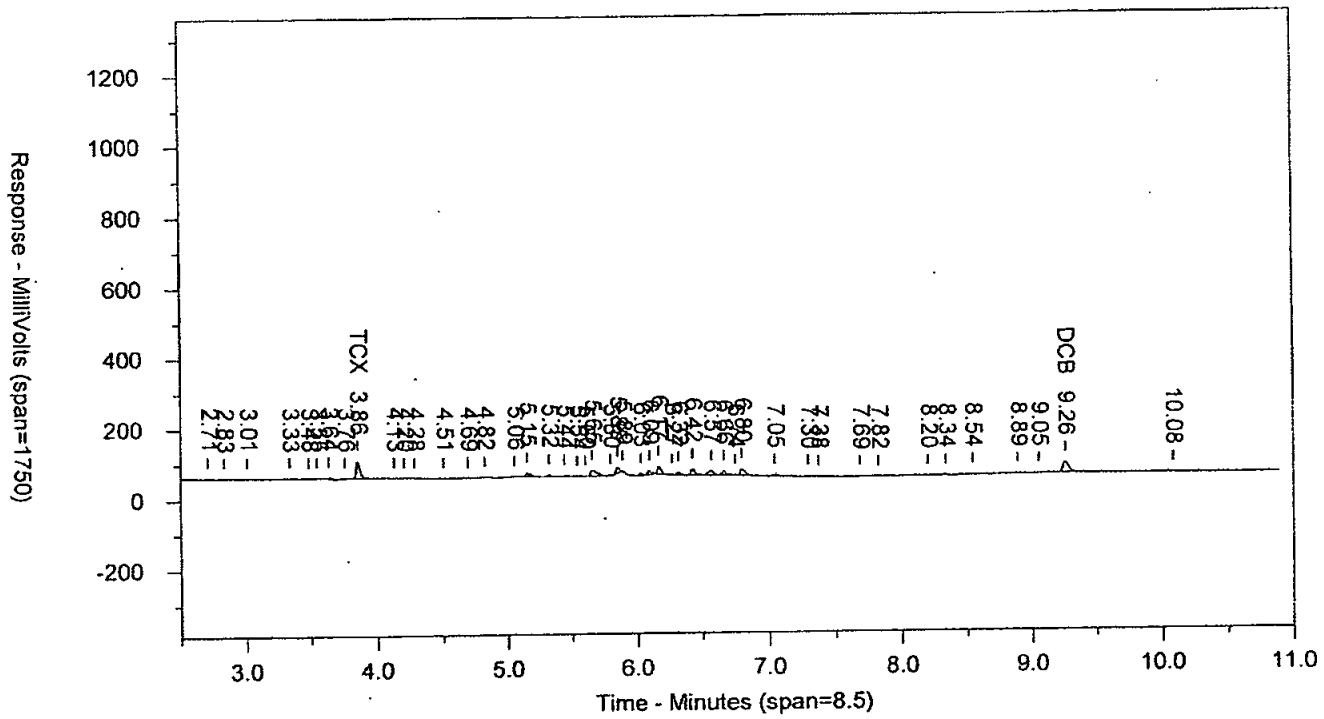

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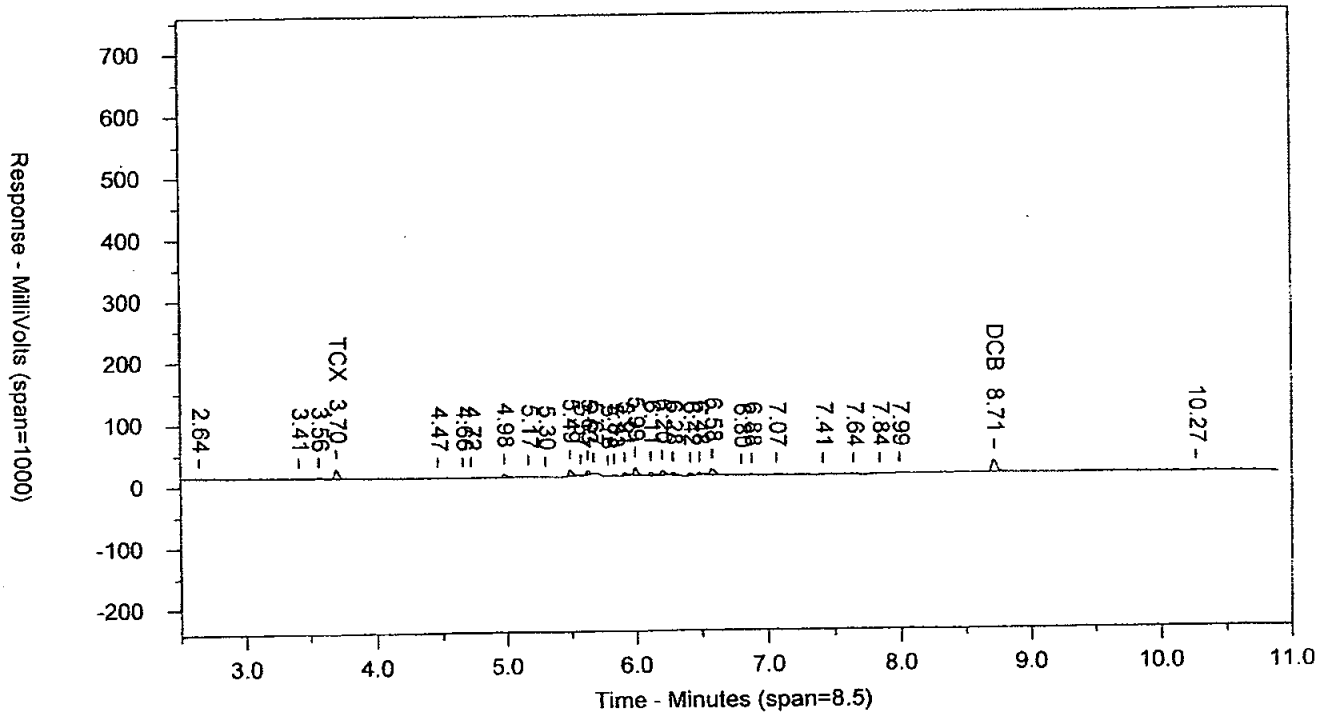

ASX67 8888

LANCASTER LABORATORIES

Sample Number: AR5421224A AAAR542AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 7:55:17 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.018.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.762		1126	3481
1.893		306	941
1.959		421	1286
2.059		284	626
2.16		807	6886
2.706		6569	15390
2.924		1443	2518
3.011		1266	2072
3.338		618	2035
3.483		1925	3655
3.636		4721	16604
3.749		326	804
3.856	TCX	219482	459706
4.133		2932	4914
4.206		272	545
4.284		352	375
4.506		410	824
4.67		295	524
4.816		1780	11409
5.058		1760	15837
5.153		20269	64036
5.324		11546	27778
5.445		3934	6662
5.604		884	1266
5.655		30759	119295
5.797		5243	7271
5.851		32306	53873
5.891		5877	7819
5.972		1216	1492
6.029		11767	20954
6.092		21529	47115
6.167		40705	81071
6.269		4226	5352
6.318		14120	34823
6.425		32280	64520
6.569		22186	67879
6.66		22269	42468
6.747		1615	2323
6.797		34035	96580
7.048		10519	28494
7.138		702	1028
7.188		655	964
7.3		5867	12214
7.377		3933	7754
7.685		3773	10727
7.998		758	1822
8.212		343	3064
8.349		542	2771
8.899		1121	20321
9.263	DCB	122874	471103

ASX67 0001

LANCASTER LABORATORIES

Sample Number: AR5421224A AAAR542AA ICAL 1218999999
Injected On: 7/8/2012 7:55:17 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.018.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 uSW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.596		16887	157617
2.643		1938	5079
3.36		374	677
3.565		1532	4327
3.696	TCX	78927	155127
3.996		833	1640
4.378		221	552
4.653		257	624
4.766		248	430
4.98		9380	28424
5.171		5027	12979
5.304		1545	2876
5.492		18991	38815
5.575		2292	3361
5.629		13616	20542
5.673		2360	2389
5.785		696	906
5.832		6201	12039
5.91		10741	16827
5.991		23856	54308
6.112		11324	25517
6.201		15814	34343
6.282		9874	20989
6.417		9848	18422
6.482		8107	12083
6.578		18603	48091
6.8		748	1089
6.878		4947	9674
7.066		4120	13546
7.415		2476	6532
7.643		705	2601
7.832		302	1521
8.375		517	1742
8.715	DCB	78809	237504

ASX67 8882

AR5421224A AAAR542AA ICAL 1218999999 SW-846 8082

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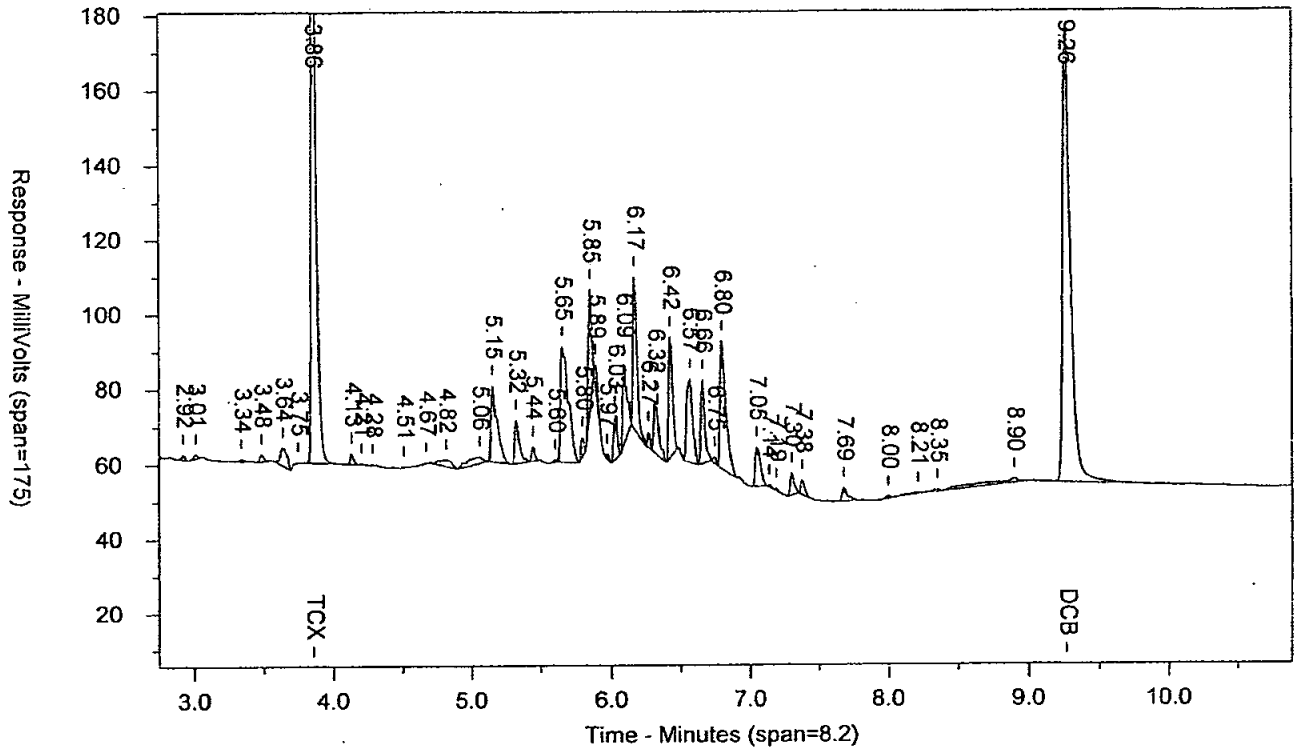

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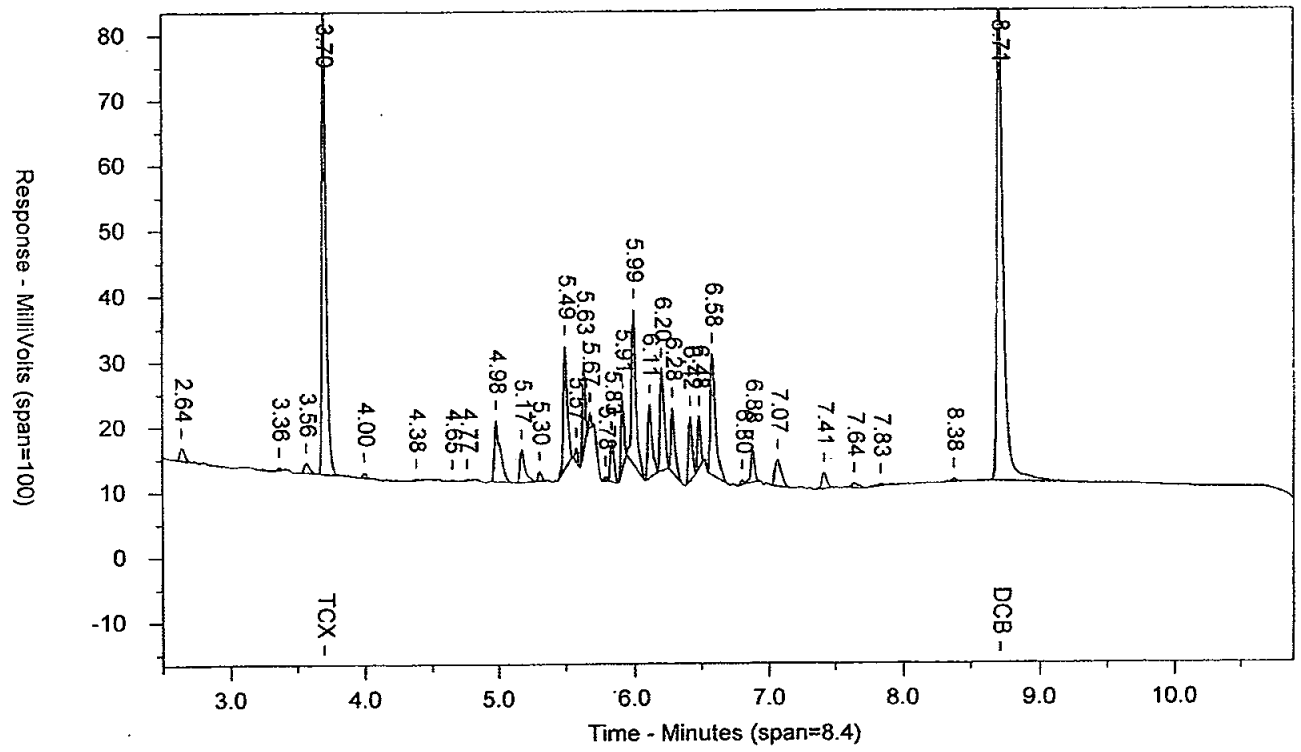

ASX67 9883

LANCASTER LABORATORIES

Sample Number: AR5421224A AAAR542AA ICAL 1218999999
Injected On: 7/8/2012 7:55:17 PM
Instrument ID: CP7-5088A
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: SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.856	219482	20.543	TCX	3.696	78927	21.428	TCX
9.263	122874	20.814	DCB	8.715	78809	20.787	DCB

Files:
Area File: 1p7190.018.RAW
Area File: 1p7190B.018.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 8:06:13 PM
File Reported On: 7/8/2012 at 8:06:19 PM

ASX67 0004

AR5421224A AAAR542AA ICAL 1218999999 SW-846 8082

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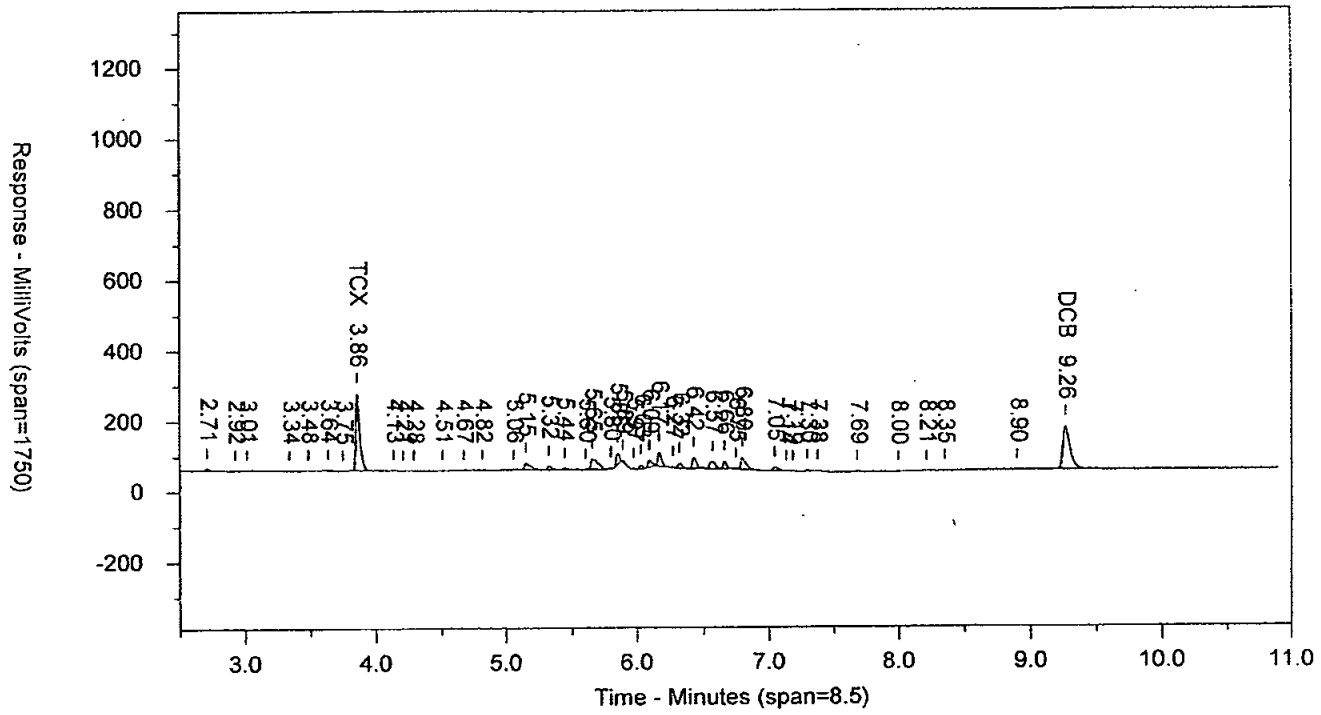

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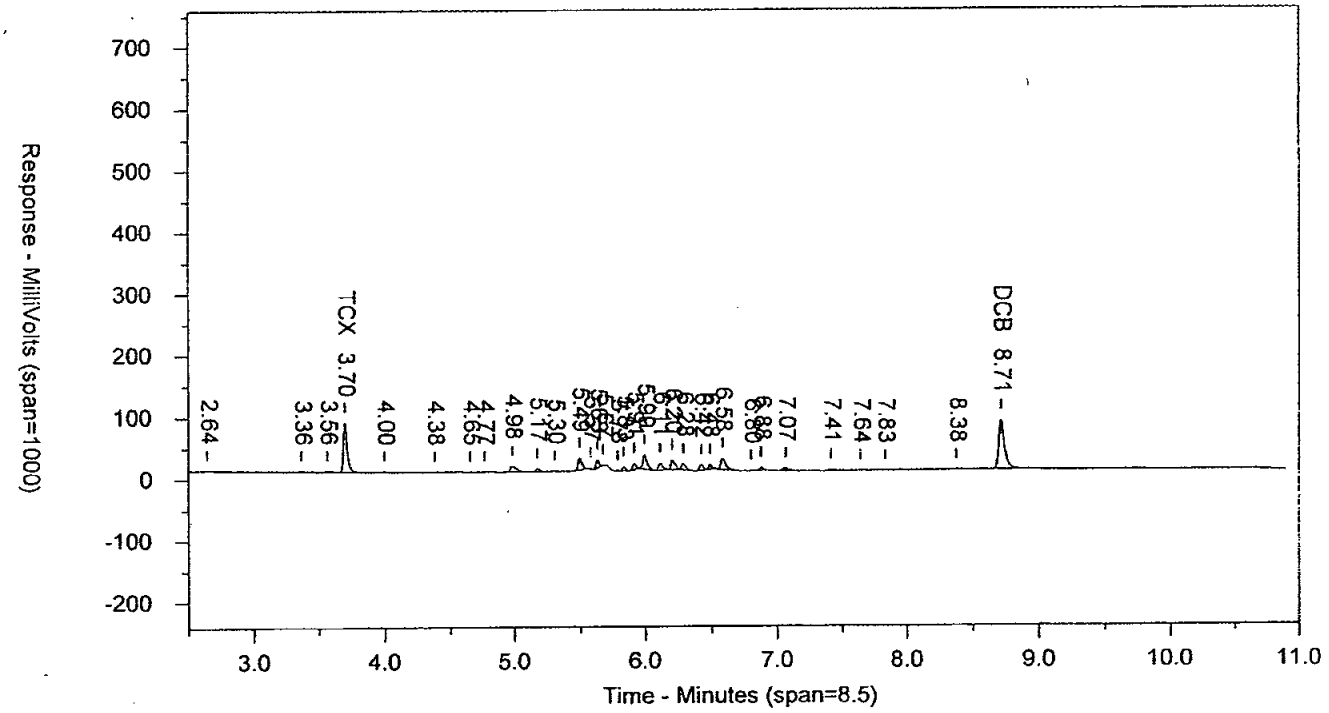

ASX67 2885

LANCASTER LABORATORIES

Sample Number: AR5431224A AAAR543AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 8:09:48 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.019.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.523		1027	2838
1.756		778	2361
1.885		961	3108
2.058		470	1149
2.167		785	5232
2.744		362	780
2.831		605	2114
2.924		2634	3974
3.01		2255	3773
3.061		593	1000
3.338		858	3892
3.582		374	1832
3.635		6396	23072
3.855	TCX	401528	875741
4.131		5824	9656
4.204		741	2092
4.314		482	695
4.448		420	920
4.506		1186	3038
4.667		1438	4010
4.752		494	683
4.82		686	1799
4.872		720	738
4.931		1564	3169
4.981		653	979
5.059		1355	3250
5.152		46557	152701
5.323		27153	66354
5.443		9349	15847
5.605		1428	1908
5.653		24396	31003
5.672		8709	8520
5.796		12010	16736
5.849		69977	116531
5.889		13727	18420
5.971		2740	3213
6.027		26649	47498
6.091		48248	106828
6.166		89693	185558
6.268		9236	11500
6.316		30957	77295
6.423		75416	184007
6.568		49371	153297
6.658		51496	100273
6.746		3865	5508
6.795		77051	226703
6.915		1177	2132
7.047		24880	68749
7.136		1712	2385
7.188		1636	2506
7.299		14158	29314
7.375		9215	18601
7.685		9034	25894

ASX67 8886

RT A	Compound A	Height A	Area A
7.996		1378	3320
8.103		344	668
8.199		491	1328
8.347		1052	5797
8.458		444	1278
8.896		1684	8829
9.26	DCB	212520	861698
10.168		250	904
10.341		133	1493

ASX67 0007

LANCASTER LABORATORIES

Sample Number: AR5431224A AAAR543AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 8:09:48 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.019.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.59		22277	241113
2.74		430	699
2.798		542	1185
3.121		288	1835
3.413		558	1947
3.564		2087	6933
3.695	TCX	152694	300486
3.996		1644	3236
4.378		545	1329
4.455		328	1017
4.654		562	1283
4.766		764	1848
4.978		21846	67437
5.17		11685	29569
5.305		3803	7060
5.491		43989	86629
5.574		5445	8147
5.627		31425	44647
5.672		5896	6017
5.783		1721	2191
5.832		14659	27765
5.909		25958	39305
5.989		56013	126099
6.111		26280	58022
6.199		37166	78617
6.281		22769	47329
6.416		23486	42453
6.482		20027	29321
6.577		44189	113075
6.799		1881	2755
6.878		12148	23500
6.974		614	1306
7.065		10120	32610
7.414		6015	15369
7.639		1177	4024
7.833		423	2305
8		248	487
8.375		969	2717
8.713	DCB	140502	420677

ASX67 8888

AR5431224A AAAR543AA ICAL 1218999999 SW-846 8082

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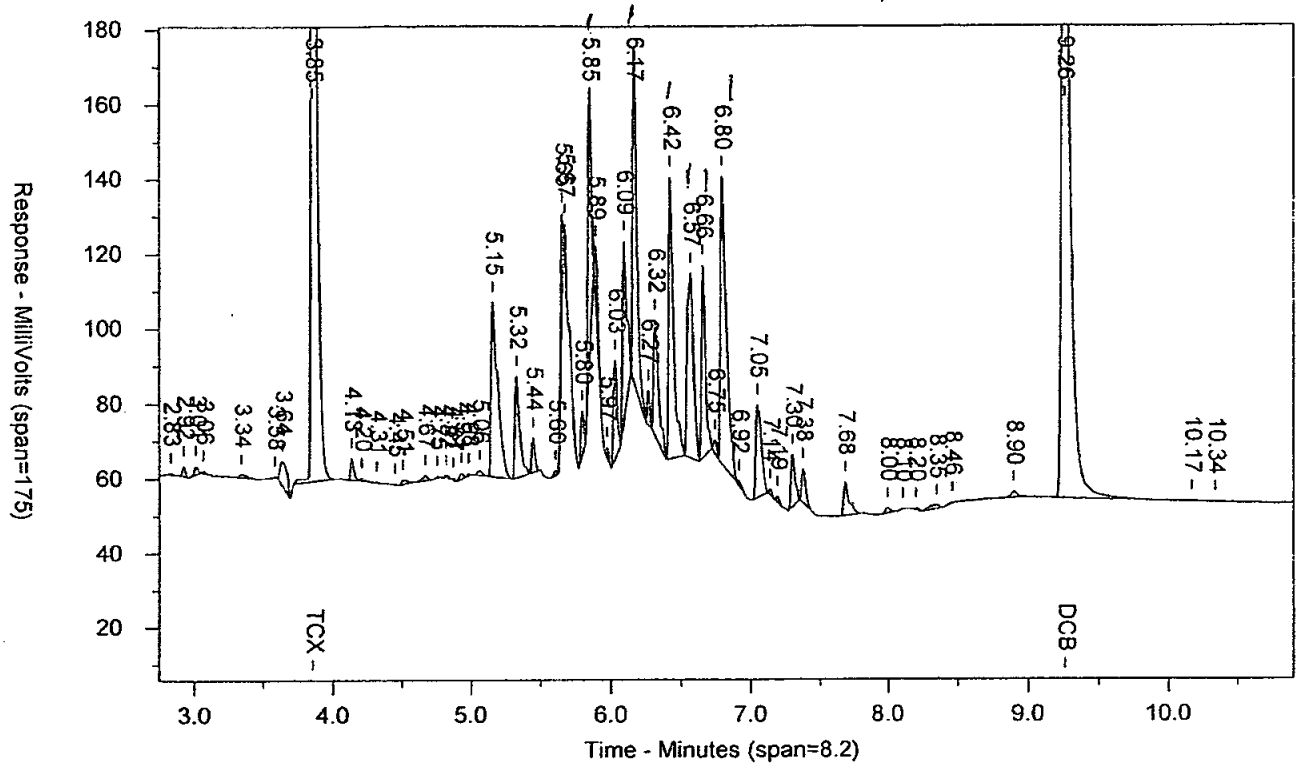

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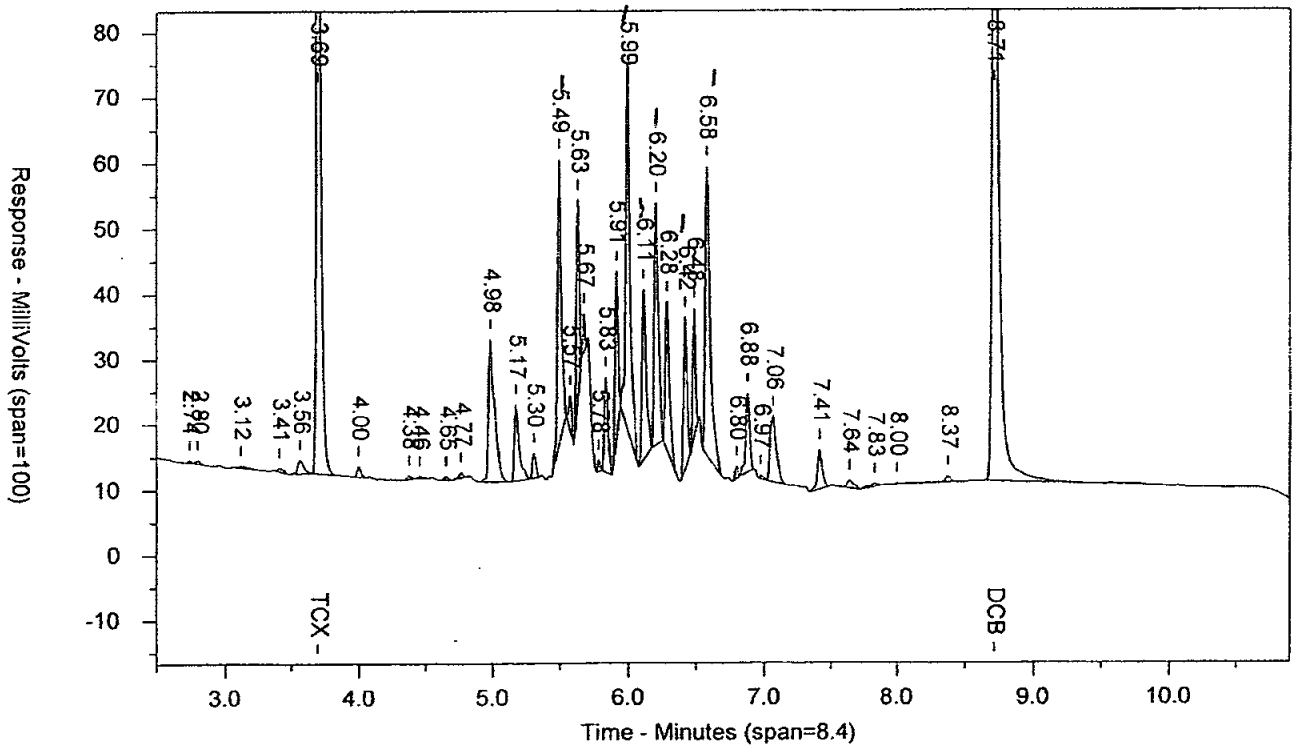

ASX67 8889

LANCASTER LABORATORIES

Sample Number: AR5431224A AAAR543AA ICAL 1218999999
Injected On: 7/8/2012 8:09:48 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.855	401528	37.582	TCX	3.695	152694	41.456	TCX
9.26	212520	39.556	DCB	8.713	140502	37.059	DCB

Files:
Area File: 1p7190.019.RAW
Area File: 1p7190B.019.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 8:20:43 PM
File Reported On: 7/8/2012 at 8:20:49 PM

ASX67 9818

AR5431224A AAAR543AA ICAL 1218999999 SW-846 8082

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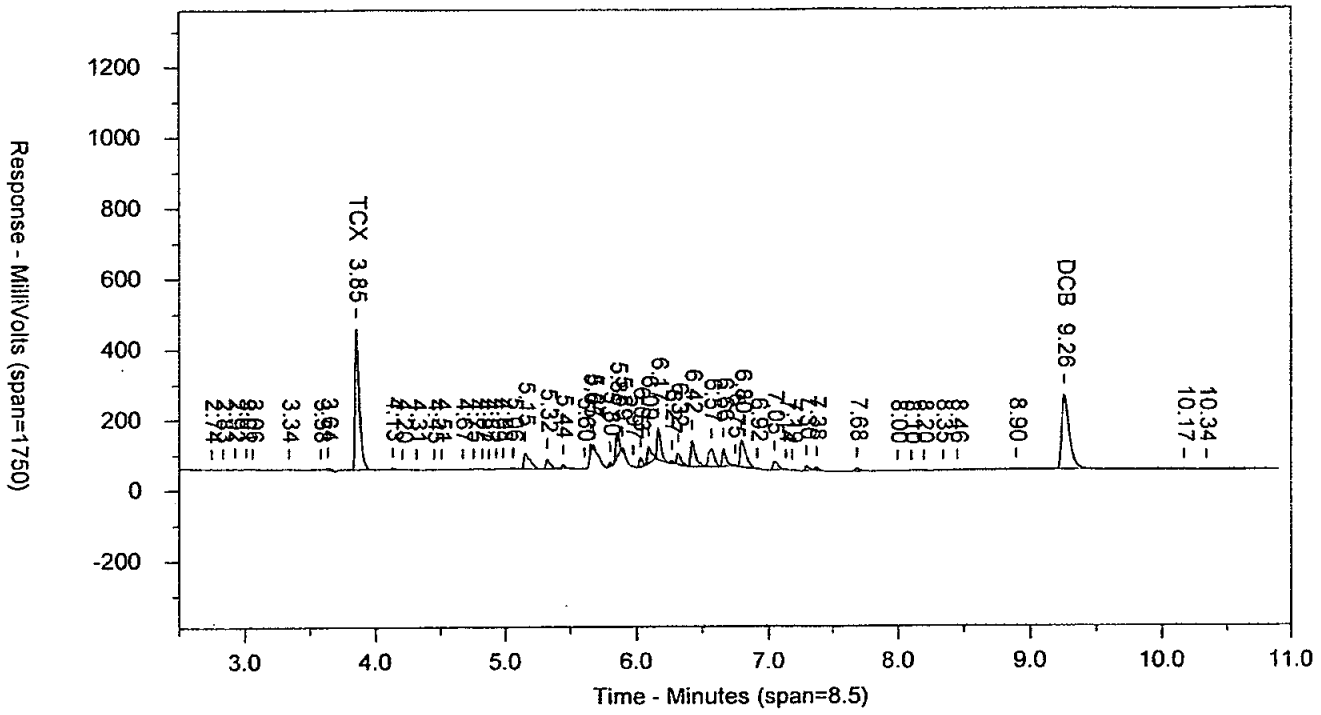

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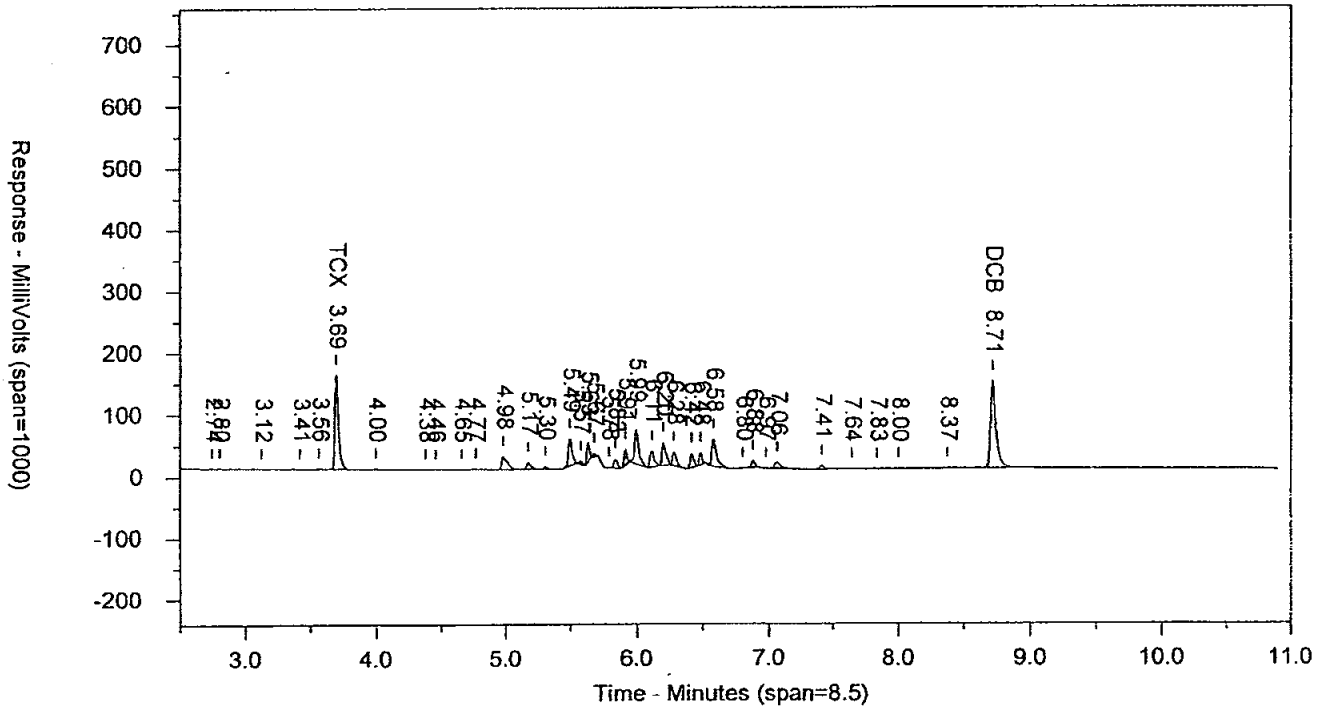

ASX67 0811

LANCASTER LABORATORIES

Sample Number: AR5441224A AAAR544AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 8:24:23 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.020.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.751		378	741
1.965		640	3656
2.058		448	1114
2.163		775	5365
2.708		991	2921
2.833		666	2010
2.926		3737	6422
3.012		1320	2029
3.065		1241	2228
3.346		664	3035
3.487		273	550
3.637		5034	14954
3.745		224	442
3.856	TCX	590252	1311260
4.133		9178	15536
4.205		1495	2771
4.314		1051	1500
4.507		2352	6314
4.67		2176	4960
4.755		562	830
4.823		1364	5014
4.93		4482	10738
4.979		1325	1964
5.061		2176	3692
5.153		87940	298005
5.324		52592	132354
5.445		18398	31417
5.607		2944	4004
5.654		133207	561761
5.797		22707	31706
5.85		132870	218796
5.891		23729	33762
5.972		4960	6074
6.029		50391	89786
6.092		93107	206568
6.166		171176	361217
6.269		17906	22573
6.317		57732	145369
6.424		142140	357336
6.569		91636	289589
6.659		101422	201667
6.747		6956	9952
6.796		146536	447460
7.048		49165	140080
7.138		3453	4778
7.189		3503	5412
7.3		28164	60215
7.377		18593	38209
7.685		18608	60483
7.997		2307	5712
8.102		742	1292
8.146		225	342
8.347		959	4780

ASX67 8832

RT A	Compound A	Height A	Area A
8.456		1022	2508
8.899		2704	11976
9.261	DCB	309545	1282585
10.171		388	1332
10.35		228	1461

ASX67 8813

LANCASTER LABORATORIES

Sample Number: AR5441224A AAAR544AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 8:24:23 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.020.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.591		17320	183206
2.799		896	2082
2.954		348	784
3.415		319	955
3.565		2006	5931
3.695	TCX	232804	461355
3.997		2589	5174
4.079		556	1204
4.161		324	565
4.38		1137	2838
4.548		750	1610
4.65		572	1506
4.768		1849	3933
4.978		42253	130143
5.171		23861	58910
5.305		7930	14625
5.365		994	1359
5.421		776	1056
5.491		85454	166425
5.574		10631	15555
5.627		60764	81594
5.671		11952	12139
5.699		10175	14278
5.784		3471	4407
5.832		28755	53818
5.91		52278	76348
5.955		2412	2220
5.989		103006	205704
6.111		51125	110485
6.199		73151	150519
6.281		43450	89521
6.416		46815	82080
6.482		42836	60651
6.523		4932	5311
6.576		87318	224906
6.74		922	1295
6.8		3838	5634
6.879		26479	58944
6.975		1291	2701
7.065		20733	67197
7.415		11956	30190
7.641		1308	2623
7.833		573	2539
8.001		575	1316
8.375		1530	4288
8.713	DCB	204313	614963
9.58		201	491

ASX67 0814

AR5441224A AAAR544AA ICAL 1218999999 SW-846 8082

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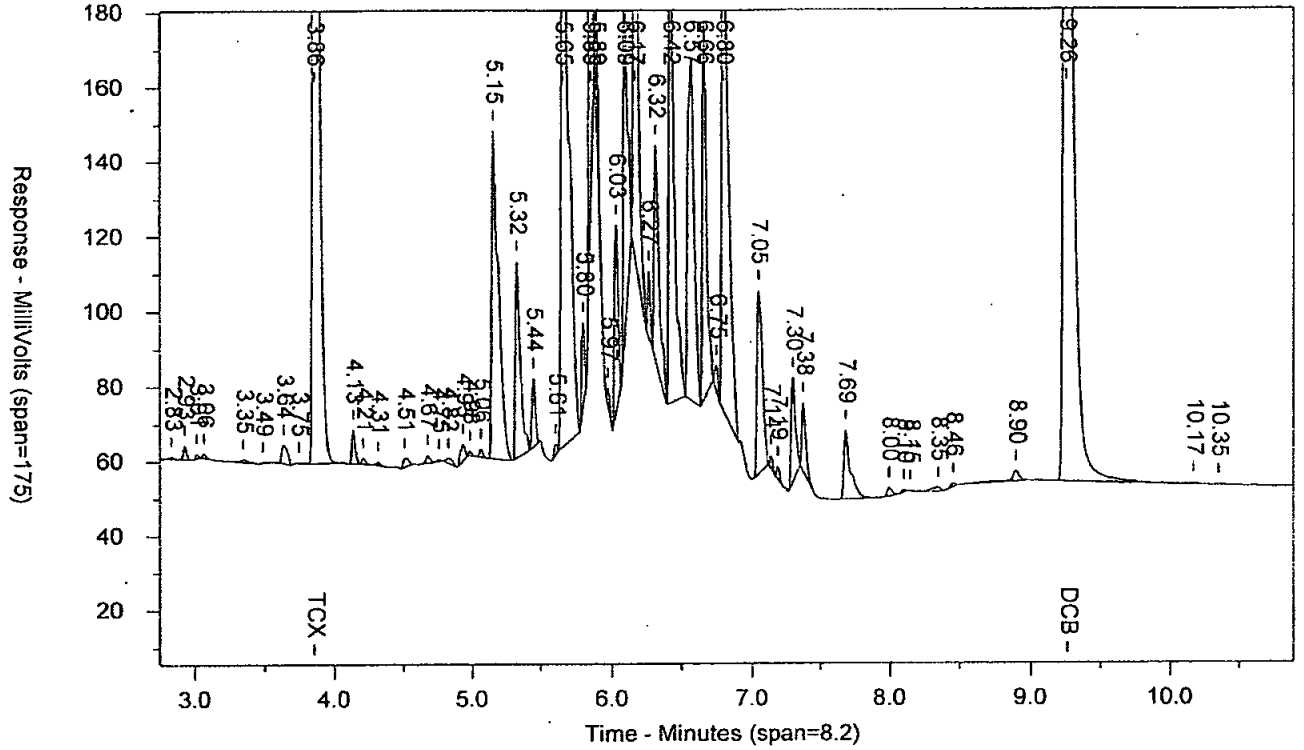

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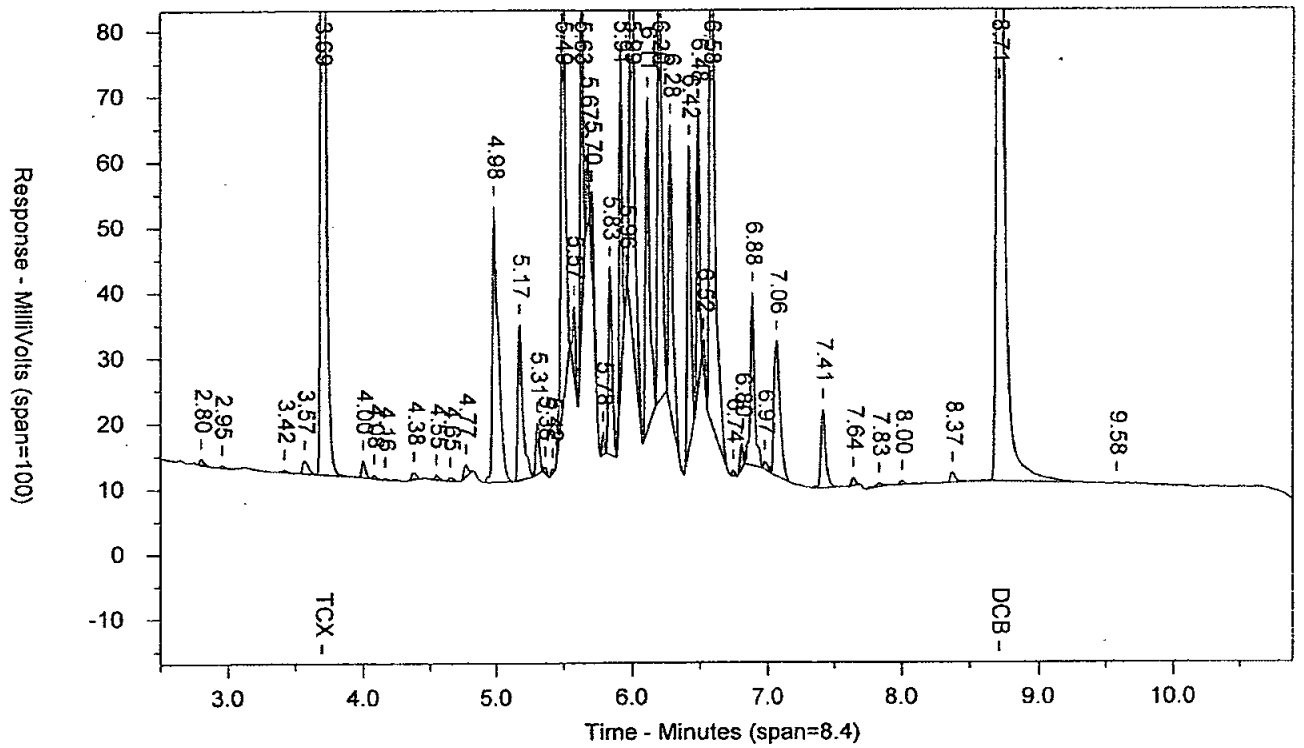

ASX67 0815

LANCASTER LABORATORIES

Sample Number: AR5441224A AAAR544AA ICAL 1218999999
Injected On: 7/8/2012 8:24:23 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.856	590252	55.246	TCX	3.695	232804	63.206	TCX
9.261	309545	59.84	DCB	8.713	204313	53.89	DCB

Files:
Area File: 1p7190.020.RAW
Area File: 1p7190B.020.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 8:35:18 PM
File Reported On: 7/8/2012 at 8:35:25 PM

ASX67 0816

AR5441224A AAAR544AA ICAL 1218999999 SW-846 8082

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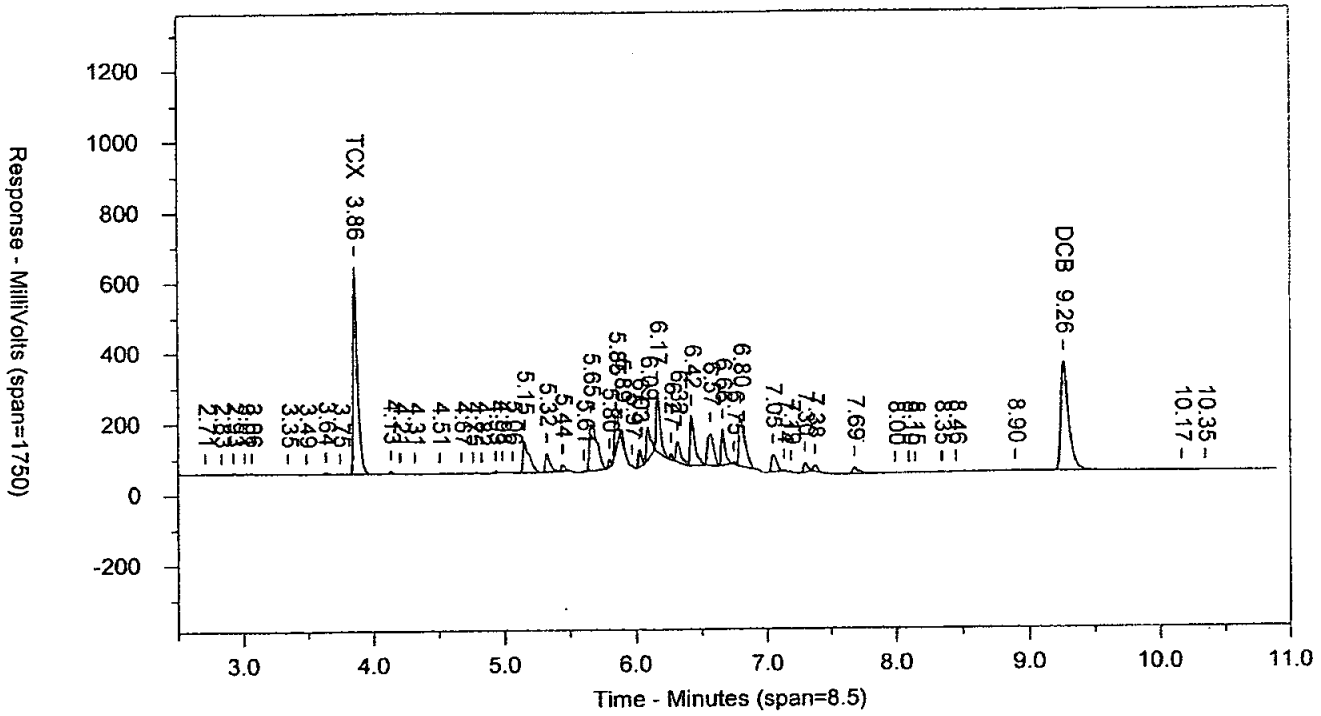

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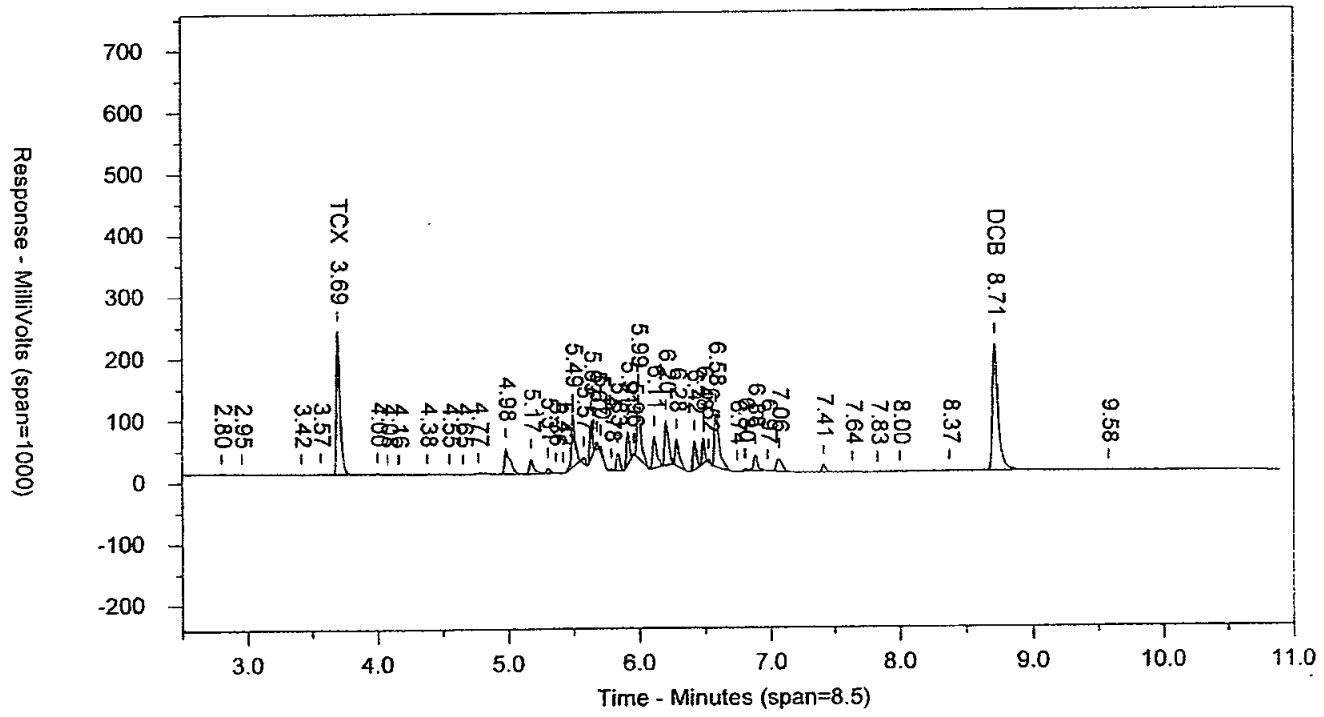

ASX67 8817

LANCASTER LABORATORIES

Sample Number: AR5451224A AAAR545AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 8:38:57 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.021.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.529		1003	4112
1.755		499	1219
1.889		528	1757
1.969		715	2651
2.063		830	3129
2.158		1383	16244
2.444		466	2986
2.708		1643	4353
2.833		502	1536
2.926		4782	8410
3.012		959	1434
3.065		1715	3232
3.349		487	2382
3.486		380	705
3.637		4339	12705
3.745		158	290
3.856	TCX	727525	1646362
4.057		389	726
4.134		11624	19934
4.207		2820	5265
4.316		1411	2359
4.508		1485	1995
4.671		3907	8179
4.755		700	1178
4.825		1752	5508
4.93		8623	21140
4.979		2430	3657
5.062		3941	6755
5.153		151214	520506
5.324		91605	235640
5.445		32706	55769
5.496		2637	3202
5.608		4975	6755
5.655		229204	981754
5.797		39031	53552
5.85		229356	373806
5.891		46102	60198
5.972		7682	9492
6.029		85535	152251
6.093		159971	355374
6.167		295409	628538
6.269		30809	38813
6.317		98510	247808
6.424		245449	627834
6.57		156373	492057
6.661		177800	365130
6.747		11798	16495
6.797		254958	833686
7.049		87618	253852
7.139		5464	7608
7.191		6281	9761
7.301		50919	110360
7.378		32914	69262

ASX67 0818

RT A	Compound A	Height A	Area A
7.687		34104	112715
7.997		3077	7993
8.102		1489	2614
8.147		433	1526
8.352		695	3958
8.456		1935	5041
8.554		151	319
8.9		3770	20613
9.264	DCB	382205	1595425
10.173		497	1730
10.349		289	1890

ASX67 0819

LANCASTER LABORATORIES

Sample Number: AR5451224A AAAR545AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 8:38:57 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.021.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.596		18859	203651
2.643		481	1236
2.801		1127	2726
2.956		455	1037
3.566		1764	5289
3.695	TCX	291668	583929
3.998		3349	6657
4.08		1032	2241
4.161		404	692
4.38		2147	5402
4.549		1403	3032
4.654		749	2179
4.769		3562	7500
4.936		794	942
4.978		72531	215316
5.171		42863	105157
5.306		14709	26670
5.365		1831	2506
5.422		1469	1968
5.491		152165	295367
5.574		17126	22459
5.627		107670	142585
5.671		22902	23488
5.7		18712	26498
5.784		6401	8014
5.832		50896	93679
5.909		95494	134029
5.954		6118	5671
5.989		182156	358232
6.111		89134	190570
6.199		129132	263380
6.281		76803	155550
6.416		84106	142871
6.482		80626	111503
6.523		9219	9863
6.576		155663	401231
6.741		1705	2406
6.801		7077	10191
6.878		48658	107949
6.976		2446	5090
7.065		38165	124100
7.354		403	583
7.416		22293	53181
7.642		1635	3212
7.7		680	975
7.832		674	1743
8		1112	2806
8.376		1960	4683
8.714	DCB	250895	756982
9.582		253	620

ASX67 0820

AR5451224A AAAR545AA ICAL 1218999999 SW-846 8082

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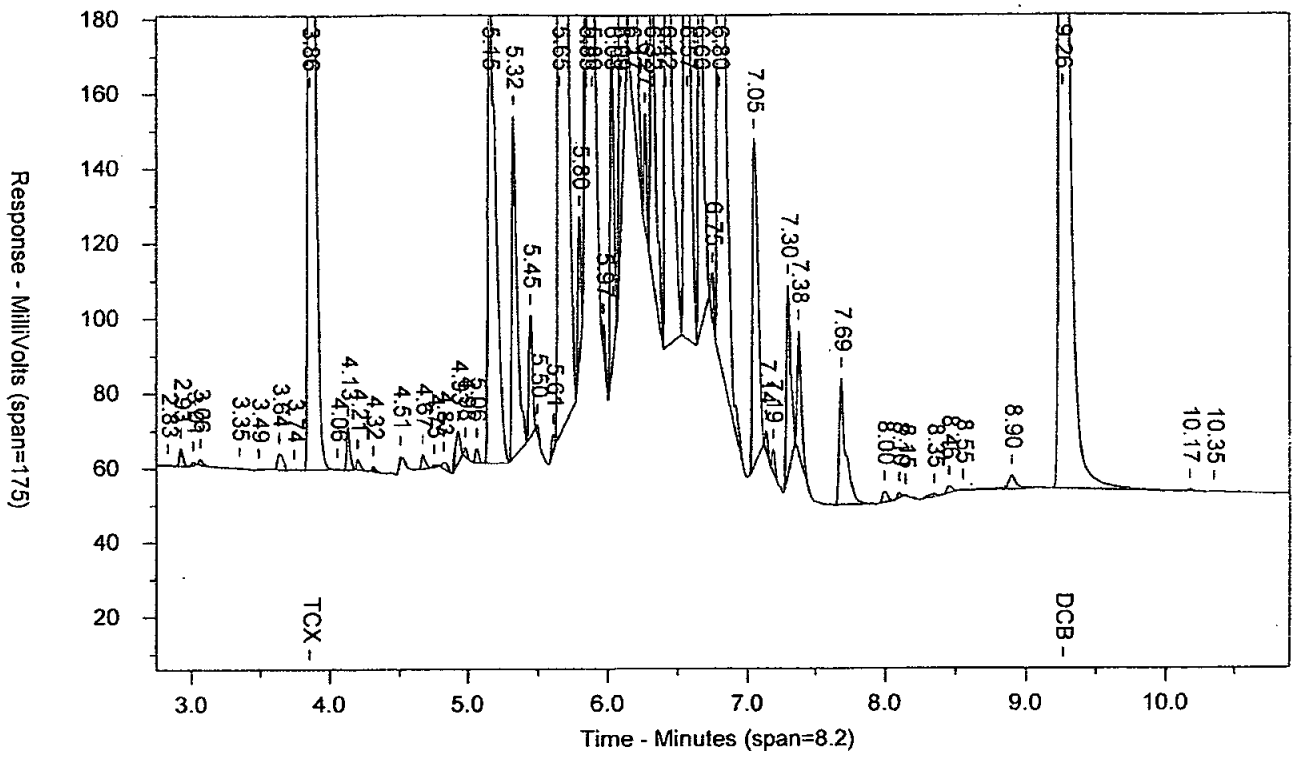

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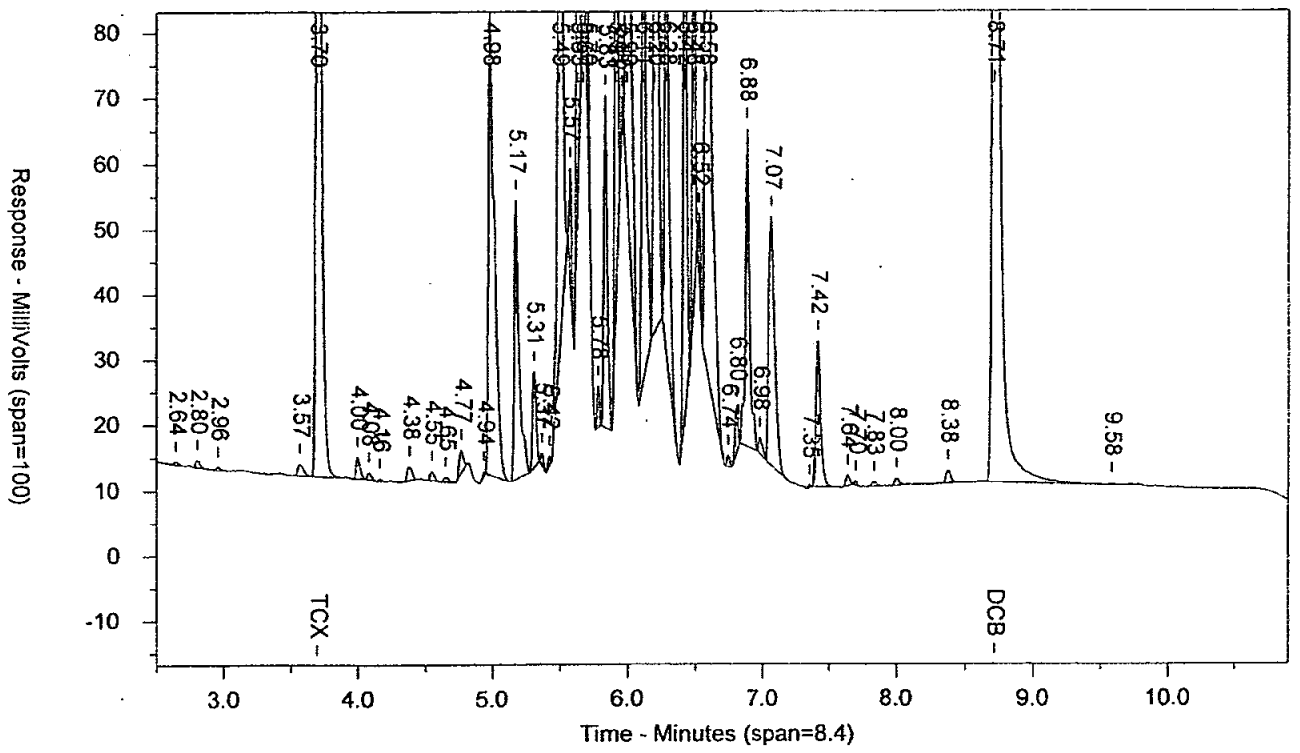

ASX67 0821

LANCASTER LABORATORIES

Sample Number: AR5451224A AAAR545AA ICAL 1218999999
Injected On: 7/8/2012 8:38:57 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.856	727525	68.094	TCX	3.695	291668	79.187	TCX
9.264	382205	75.031	DCB	8.714	250895	66.176	DCB

Files:
Area File: 1p7190.021.RAW
Area File: 1p7190B.021.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 8:49:52 PM
File Reported On: 7/8/2012 at 8:49:59 PM

ASX67 8822

AR5451224A AAAR545AA ICAL 1218999999 SW-846 8082

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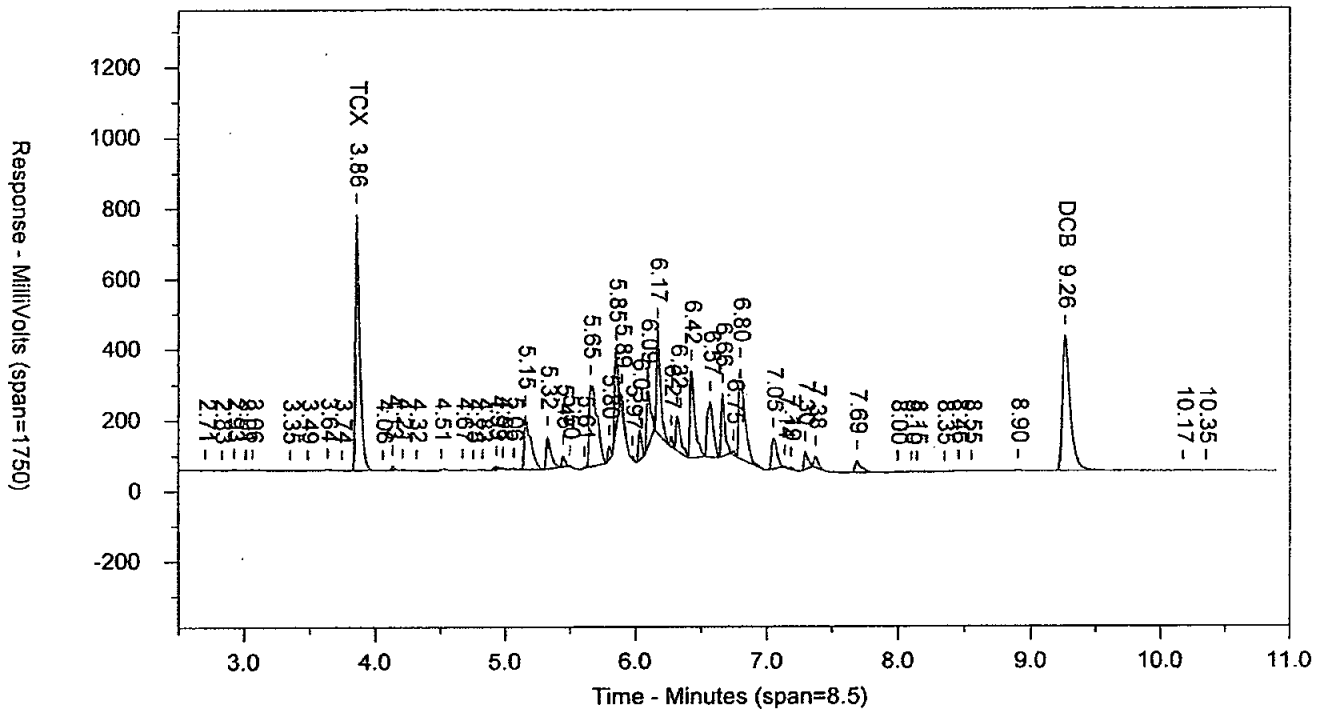

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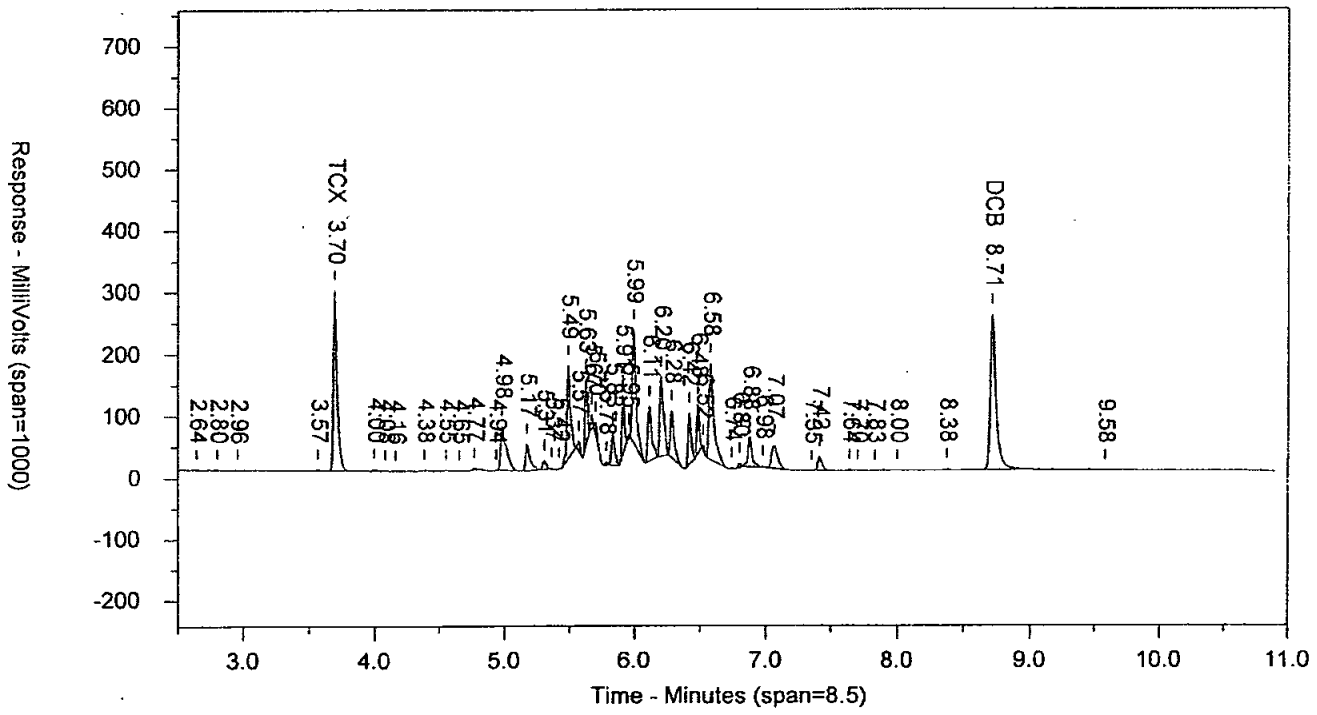

ASX67 0523

LANCASTER LABORATORIES

Sample Number: AR6231224A AAAR623AA ICAL 1218999999 Injection Volume:SW846 8082
Injected On: 7/8/2012 8:53:31 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.022.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.759		518	1506
1.882		187	520
2.159		792	10438
2.715		1330	3834
3.011		1471	6219
3.35		747	5336
3.494		745	1810
3.635		4088	13686
3.748		378	973
4.205		1264	2606
4.333		215	645
4.505		1500	4003
4.669		1688	4292
4.823		639	1966
4.873		2337	2761
4.925		1745	2807
4.98		1069	1736
5.059		1516	3624
5.152		1165	1563
5.323		1305	3061
5.444		949	1727
5.603		741	1247
5.653		9757	23781
5.797		666	957
5.851		13159	36481
6.028		782	1352
6.112		9024	17546
6.165		3143	4252
6.225		34225	92396
6.316		52130	124924
6.42		2361	3589
6.49		5913	9941
6.551		54527	113094
6.61		14946	20544
6.657		15649	35945
6.751		998	867
6.794		48836	102740
6.869		62050	102056
6.916		18083	27392
7.067		60734	154627
7.138		21152	66345
7.3		10066	18556
7.376		140619	415500
7.68		78558	168182
7.768		43323	112255
7.994		4953	11972
8.148		23744	71674
8.351		333	1239
8.454		54941	149543
8.546		1504	2708
8.897		23507	72911
9.262	DCB	623	2065

ASX67 8824

LANCASTER LABORATORIES

Sample Number: AR6231224A AAAR623AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 8:53:31 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.022.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.596		19645	232840
2.646		367	1036
3.118		325	2263
3.415		437	2240
3.564		1372	4662
4.079		390	852
4.379		772	1935
4.548		553	1246
4.661		245	499
4.722		884	1169
4.769		751	1255
4.828		622	1398
4.933		365	503
4.979		410	534
5.172		752	2614
5.303		373	701
5.492		5369	12396
5.629		5907	15901
5.909		737	1183
6.004		20962	67425
6.108		29207	61592
6.225		2924	4918
6.282		34534	75580
6.418		31689	60438
6.484		2425	2862
6.529		6338	8362
6.576		8785	9941
6.61		34019	48019
6.656		11018	14968
6.783		7717	12791
6.844		41887	81672
6.932		15557	24636
7.07		86299	180652
7.17		4184	7191
7.349		35448	63699
7.415		62745	131275
7.639		3143	7455
7.747		1716	3372
7.829		13916	32638
8		36628	96197
8.375		14465	37761
8.715	DCB	374	918

ASX67 0825

AR6231224A AAAR623AA ICAL 1218999999 SW-846 8082

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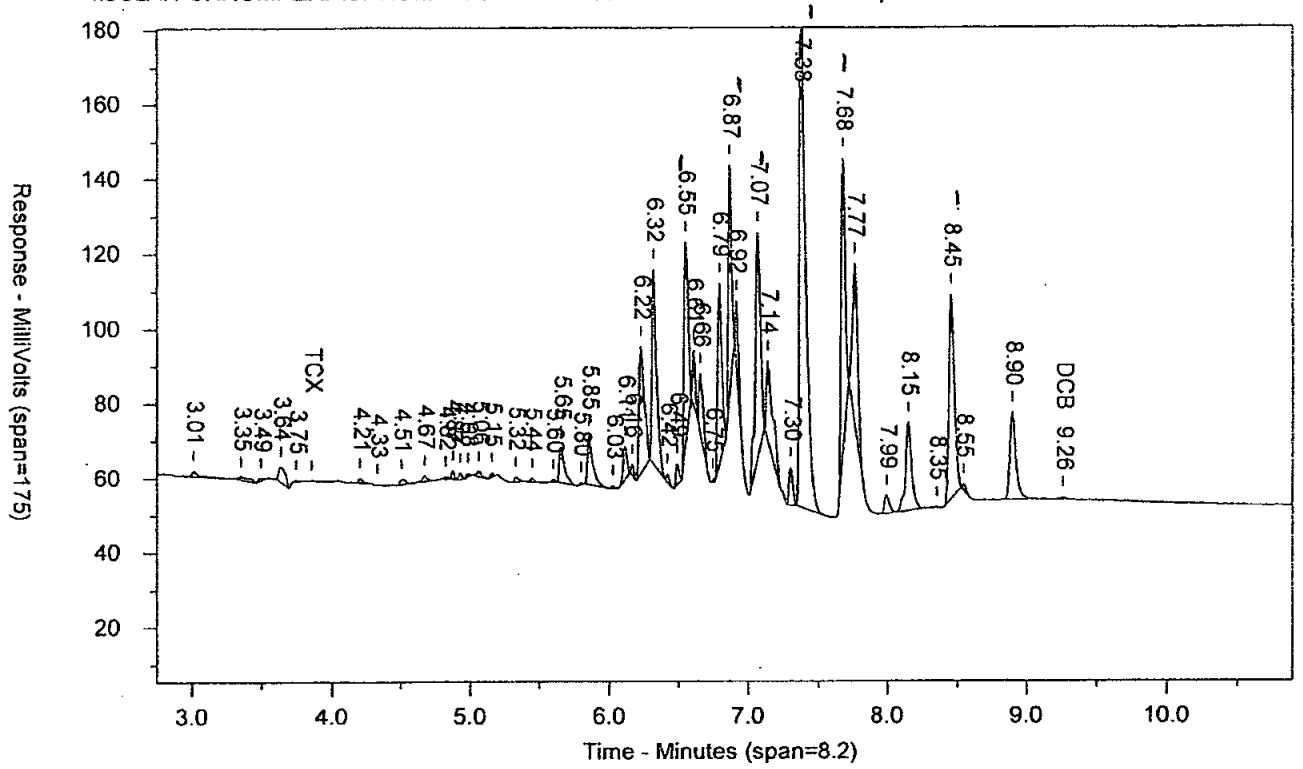

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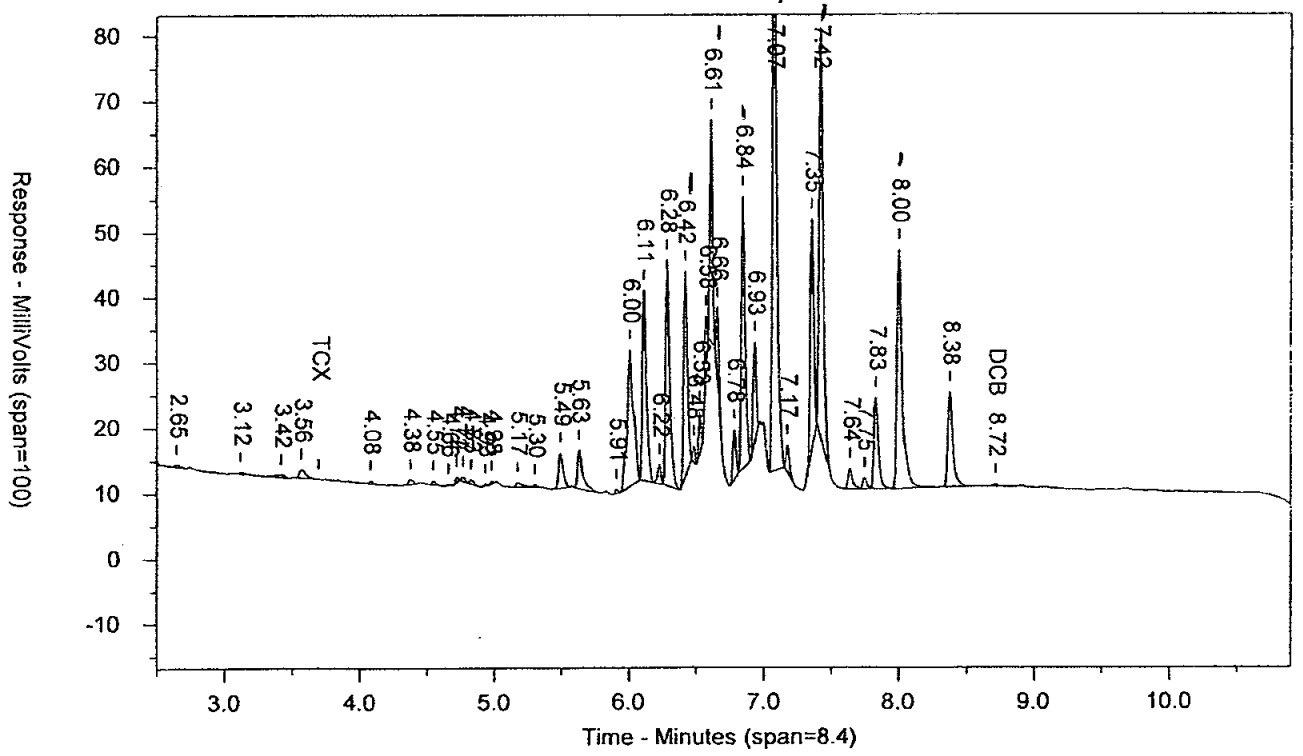

ASX67 0826

LANCASTER LABORATORIES

Sample Number: AR6231224A AAAR623AA ICAL 1218999999
Injected On: 7/8/2012 8:53:31 PM
Instrument ID: CP7-5088A
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: SW-846 8082
Dilution Factor: 1

Threshold: 3
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
9.262	623	-4.745	DCB	8.715	374	.099	DCB

Files:
Area File: 1p7190.022.RAW
Area File: 1p7190B.022.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 9:04:26 PM
File Reported On: 7/8/2012 at 9:04:31 PM

ASX67 0527

AR6231224A AAAR623AA ICAL 1218999999 SW-846 8082

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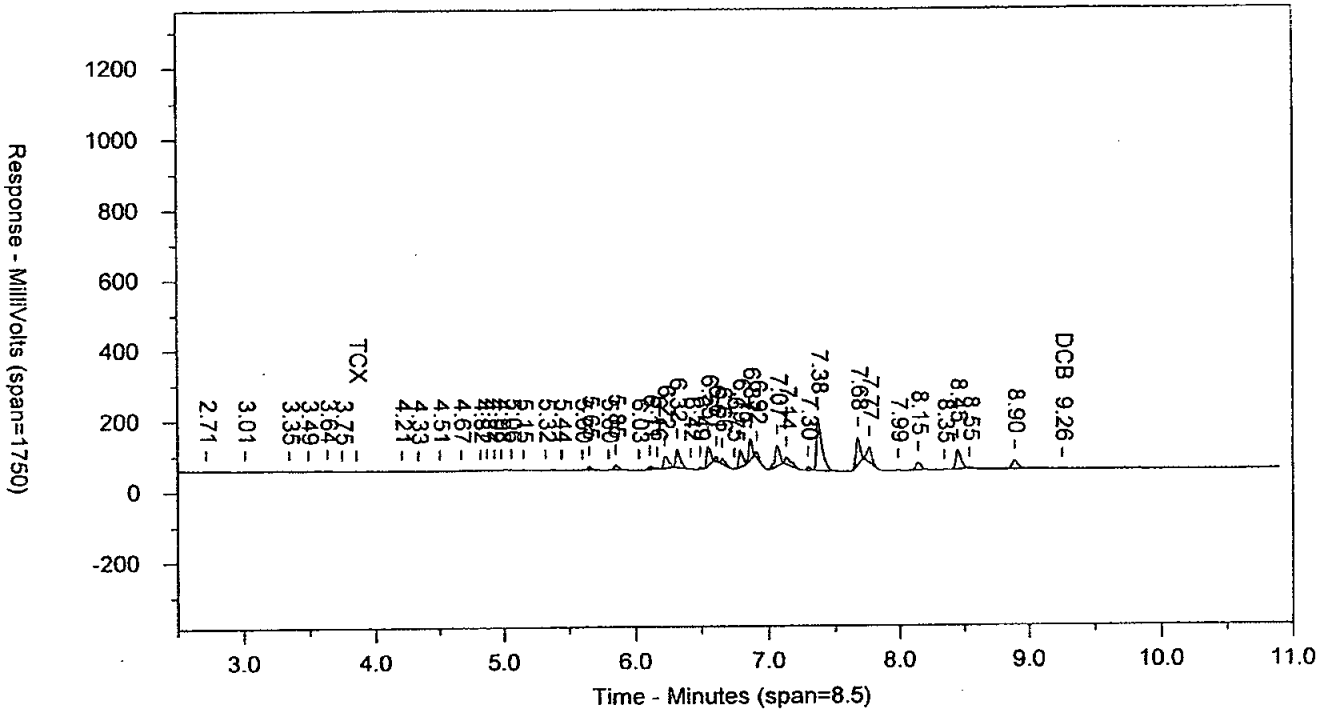

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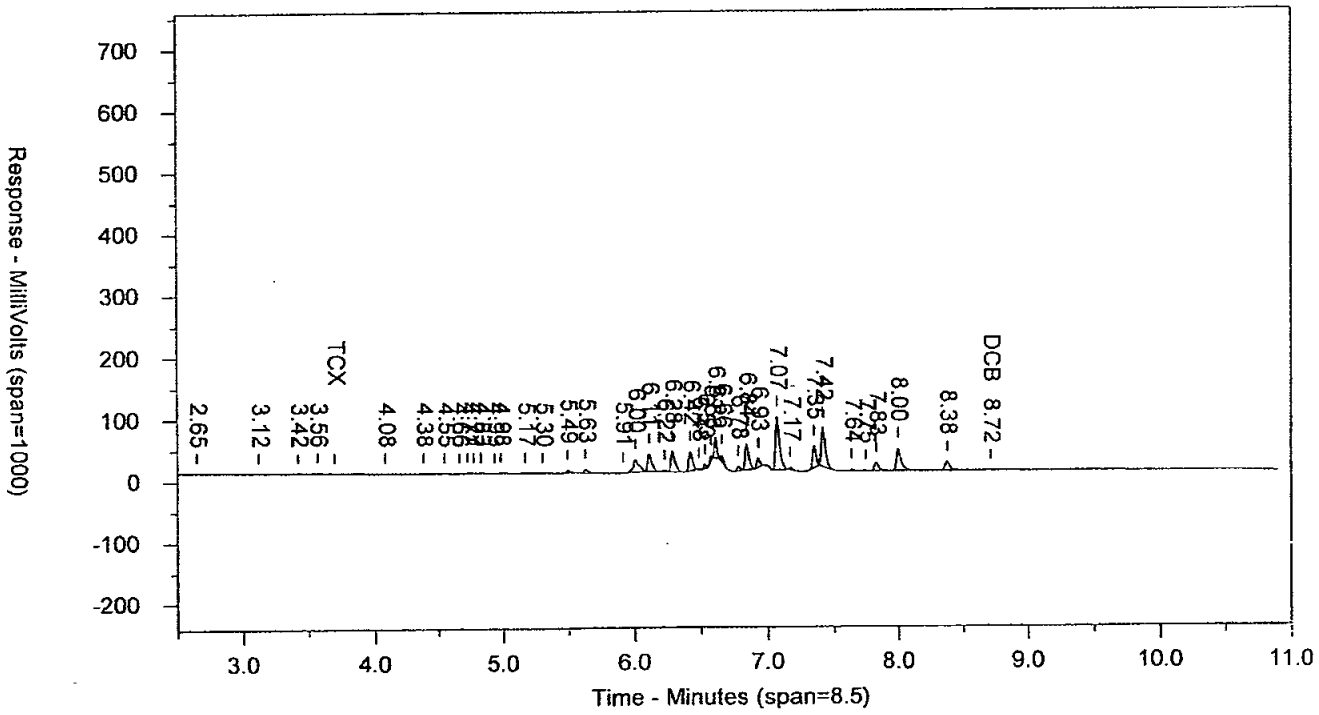

ASX67 0828

LANCASTER LABORATORIES

Sample Number: AR6831224A AAAR683AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 9:08:03 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.023.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.763		1001	3150
2.139		834	6856
2.603		247	1370
2.729		218	547
2.799		335	1657
3.012		1639	4713
3.349		976	6053
3.554		296	1760
3.638		4990	17681
3.755		773	3459
4.504		238	238
4.668		704	2772
4.822		1795	10909
5.058		1984	15389
5.153		331	426
5.325		526	1263
5.446		490	914
5.599		703	2009
5.71		503	766
5.848		1471	8022
6.028		223	437
6.091		160	210
6.167		315	478
6.553		2328	9324
6.618		2371	9577
6.792		1068	2159
6.872		36536	101417
7.034		649	697
7.089		42930	99925
7.168		8977	16862
7.378		9821	13654
7.406		3137	4576
7.678		159239	378713
7.772		137015	359890
7.995		143429	406767
8.111		35767	94495
8.35		144	398
8.455		64149	197700
8.898		400792	1517942
9.263	DCB	102334	373596
10.171		304	1019
10.426		329	2191

ASX67 0059

LANCASTER LABORATORIES

Sample Number: AR6831224A AAAR683AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 9:08:03 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.023.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.595		18930	179356
3.417		403	1420
3.566		1721	7590
4.378		157	402
4.457		352	1130
4.658		307	603
4.769		253	478
4.838		468	1260
5.015		343	1546
5.175		320	764
5.492		256	318
5.996		468	1647
6.113		256	804
6.3		580	2535
6.422		1335	2672
6.529		411	665
6.613		20977	50685
6.783		536	779
6.843		27677	56542
6.922		6276	11786
7.072		11272	24149
7.172		5561	12383
7.349		102107	177131
7.416		95738	184203
7.64		96401	212345
7.747		23889	49948
7.828		1265	2115
8.001		41777	103511
8.373		268452	734685
8.716	DCB	66591	184834
9.664		190	899

ASX67 9839

AR6831224A AAAR683AA ICAL 1218999999 SW-846 8082

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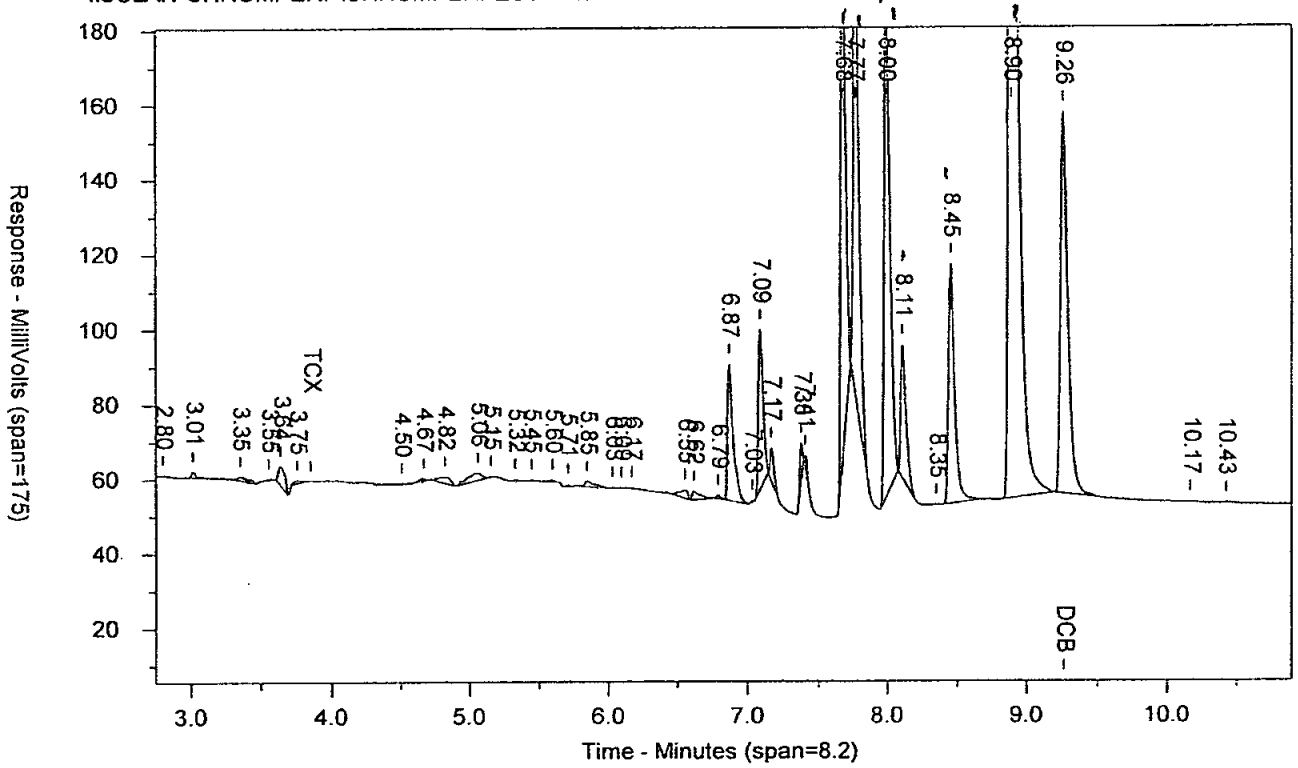

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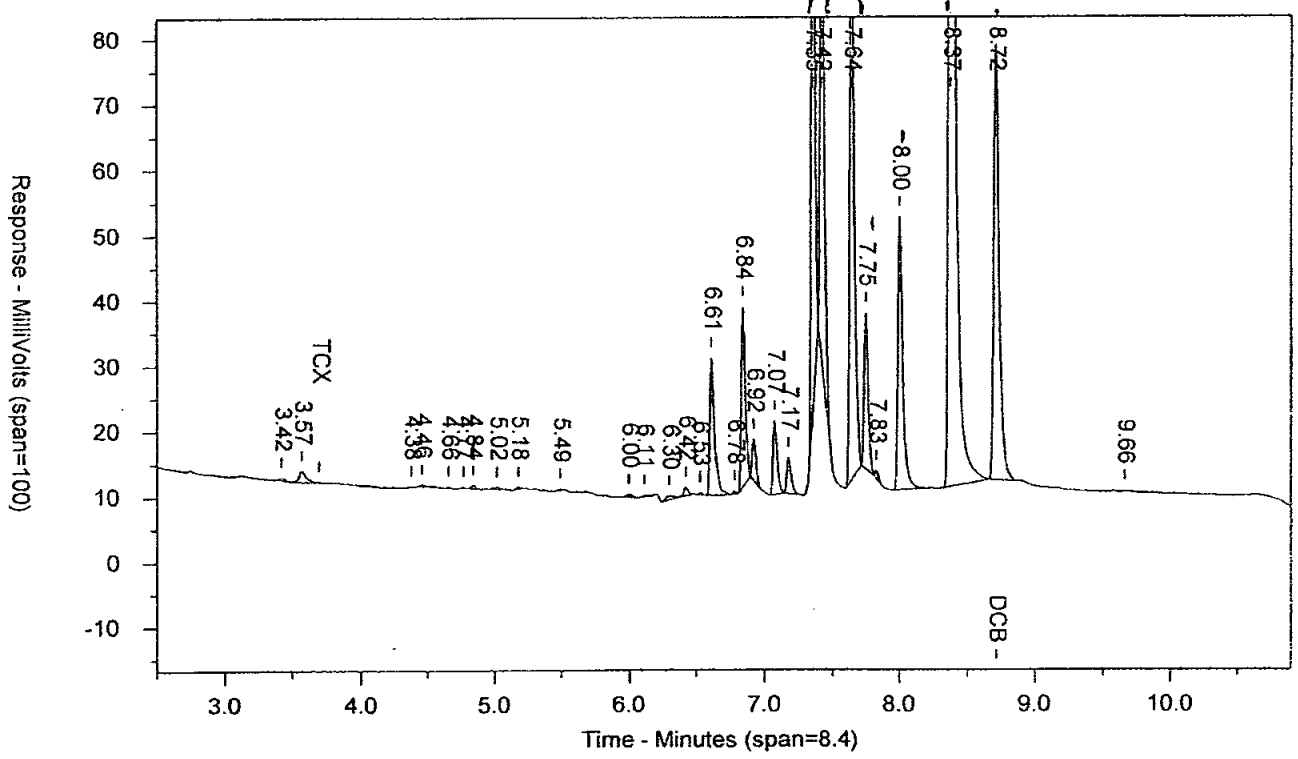

ASX67 0031

LANCASTER LABORATORIES

Sample Number: AR6831224A AAAR683AA ICAL 1218999999
Injected On: 7/8/2012 9:08:03 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
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
9.263	102334	16.519	DCB	8.716	66591	17.564	DCB

Files:
Area File: 1p7190.023.RAW
Area File: 1p7190B.023.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 9:18:59 PM
File Reported On: 7/8/2012 at 9:19:03 PM

ASX67 0832

AR6831224A AAAR683AA ICAL 1218999999 SW-846 8082

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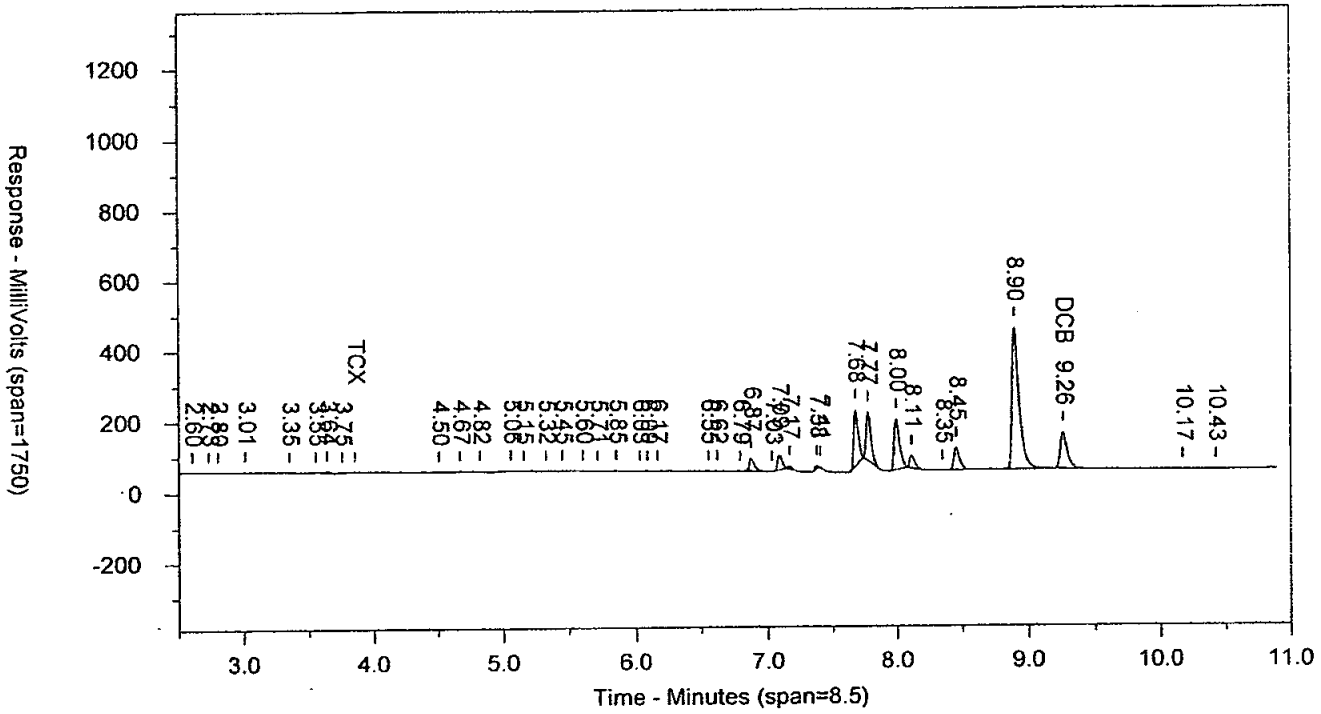

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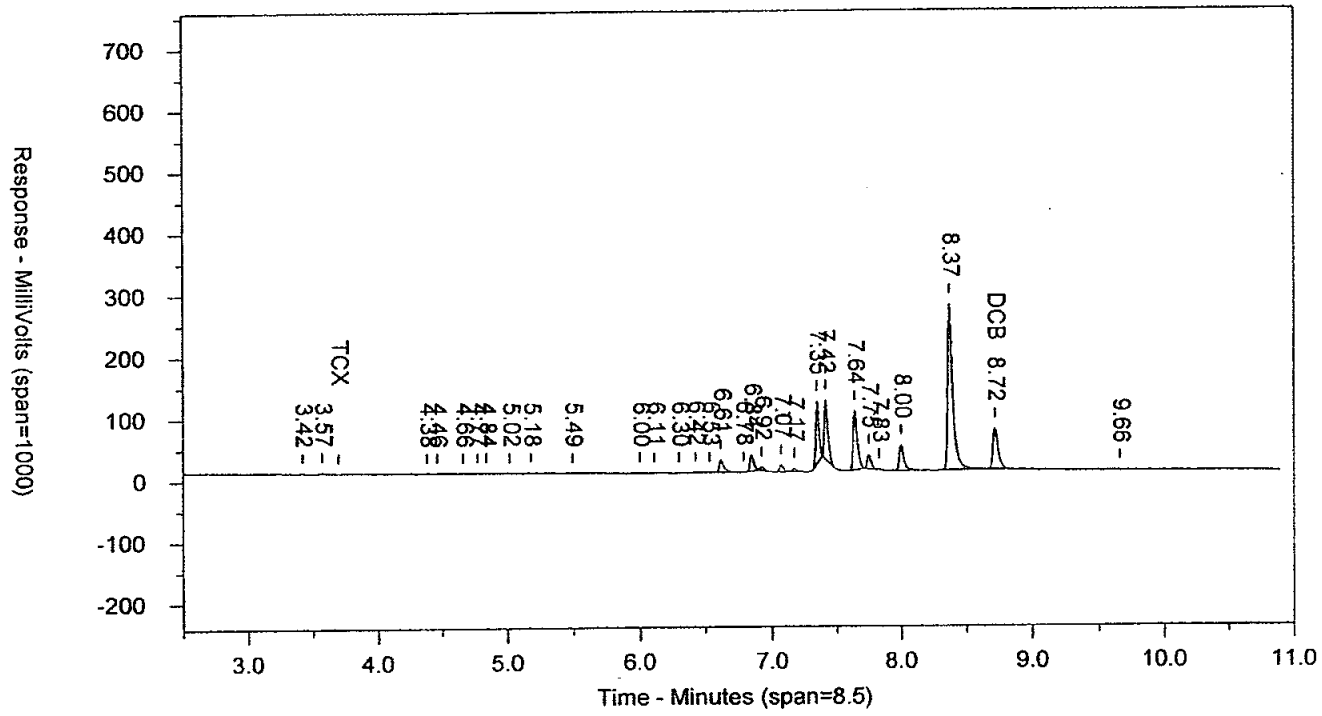

ASX67 0833

LANCASTER LABORATORIES

Sample Number: AR2131224A AAAR213AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 9:22:36 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.024.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.755		441	1127
1.967		585	2527
2.164		3494	36641
2.429		929	4011
2.683		718	9091
2.798		294	431
2.928		2663	5680
3.012		2812	4376
3.064		986	4437
3.227		912	7902
3.364		18155	44528
3.59		489	3654
3.639		12626	35440
3.739		4393	8872
3.857	TCX	400536	874142
4.061		23740	47755
4.138		19955	35701
4.206		55458	120453
4.552		4368	18158
4.631		5763	8846
4.774		259	618
4.843		2208	5763
4.926		5428	10579
4.981		3020	4624
5.062		3036	7449
5.155		843	1145
5.326		684	935
5.449		1393	3651
5.601		488	1028
5.652		1208	1570
5.711		366	504
5.852		2822	13279
6.03		570	1115
6.093		771	1699
6.168		1441	2693
6.318		501	1254
6.424		719	1243
6.554		1504	6439
6.657		798	2861
6.796		810	2012
7.113		1304	6331
7.825		184	2039
7.998		1383	3083
8.9		1861	32351
9.264	DCB	215284	861909
10.171		248	814

ASX67 8834

LANCASTER LABORATORIES

Sample Number: AR2131224A AAAR213AA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 9:22:36 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.024.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.592		18924	196093
2.744		591	1042
2.958		342	757
3.118		321	1441
3.266		7289	18909
3.567		4292	9959
3.627		1312	2178
3.696	TCX	152909	307652
3.921		8636	17920
4.005		6996	13911
4.081		22014	47285
4.396		1148	3376
4.444		792	1695
4.516		2679	8720
4.659		980	2892
4.771		2542	5179
4.832		1667	3756
4.935		758	1111
4.979		324	410
5.173		590	2179
5.308		546	1736
5.493		918	2147
5.629		526	825
5.91		370	596
5.992		953	2649
6.113		465	1172
6.201		622	1384
6.288		460	1534
6.418		386	892
6.577		453	1262
6.715		740	2308
7.073		217	594
7.642		1014	2768
7.836		160	742
8.375		950	2649
8.715	DCB	141301	425925

ASX67 0835

AR2131224A AAAR213AA ICAL 1218999999 SW-846 8082

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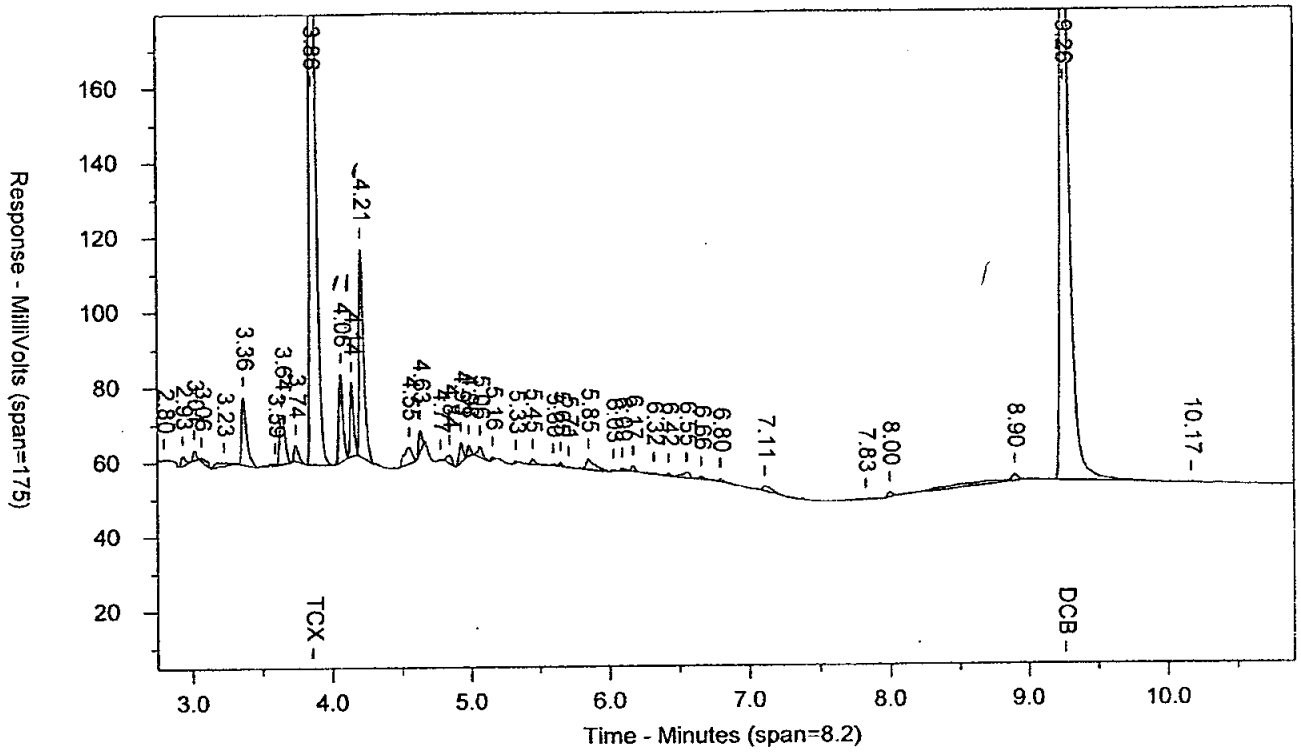

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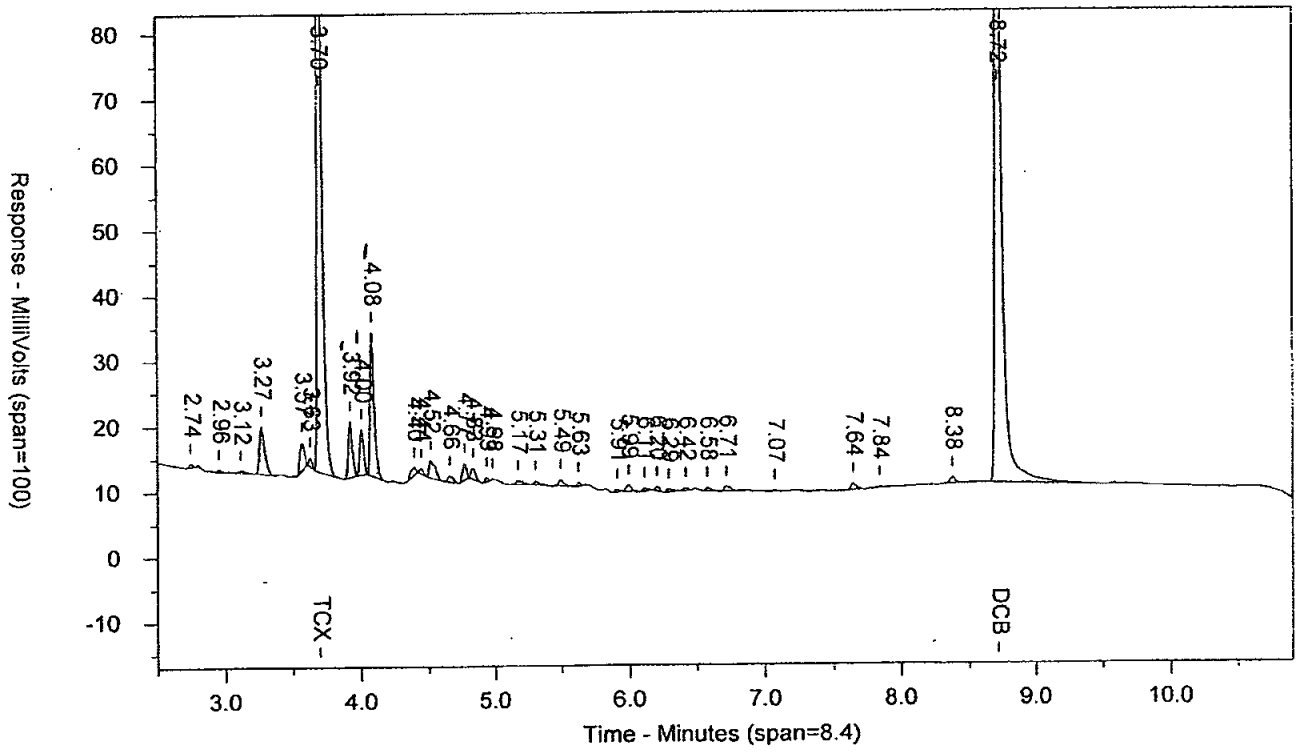

ASX67 0836

LANCASTER LABORATORIES

Sample Number: AR2131224A AAAR213AA ICAL 1218999999
Injected On: 7/8/2012 9:22:36 PM
Instrument ID: CP7-5088A
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: $W-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.857	400536	37.489	TCX	3.696	152909	41.515	TCX
9.264	215284	40.134	DCB	8.715	141301	37.27	DCB

Files:
Area File: 1p7190.024.RAW
Area File: 1p7190B.024.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 9:33:32 PM
File Reported On: 7/8/2012 at 9:33:39 PM

ASX67 8837

AR2131224A AAAR213AA ICAL 1218999999 SW-846 8082

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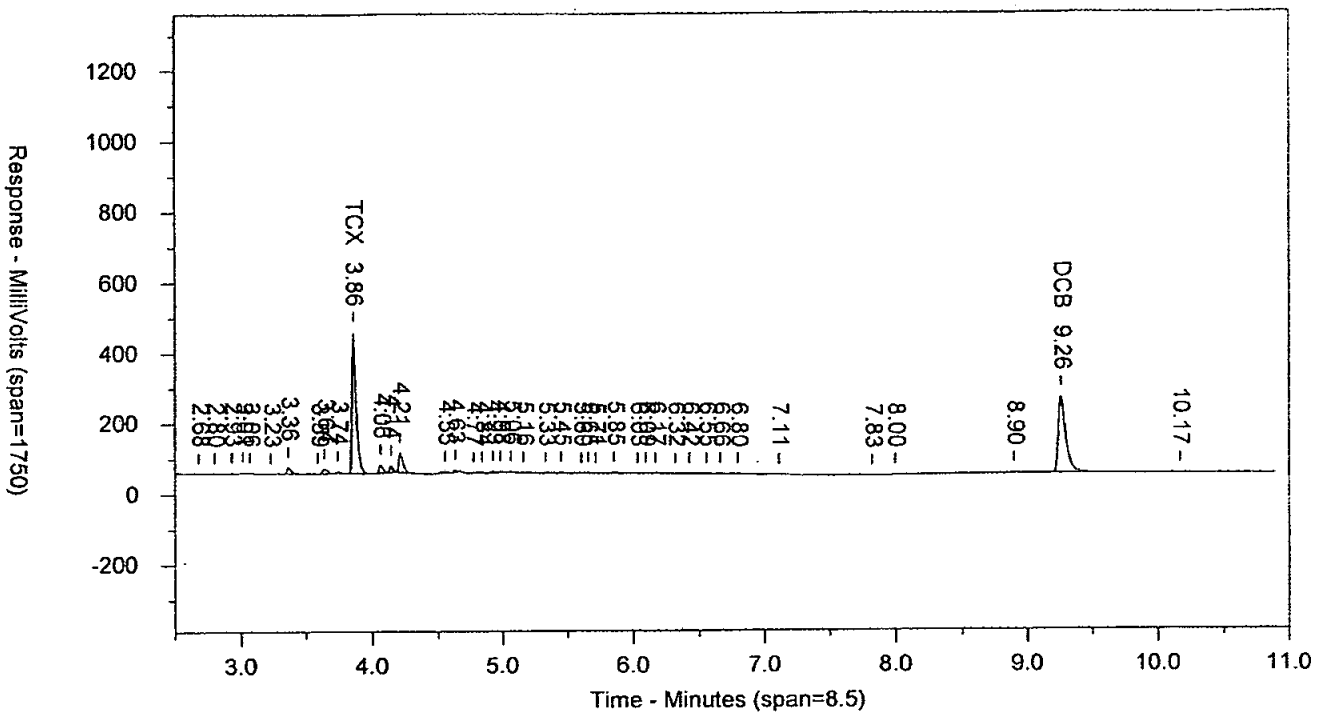

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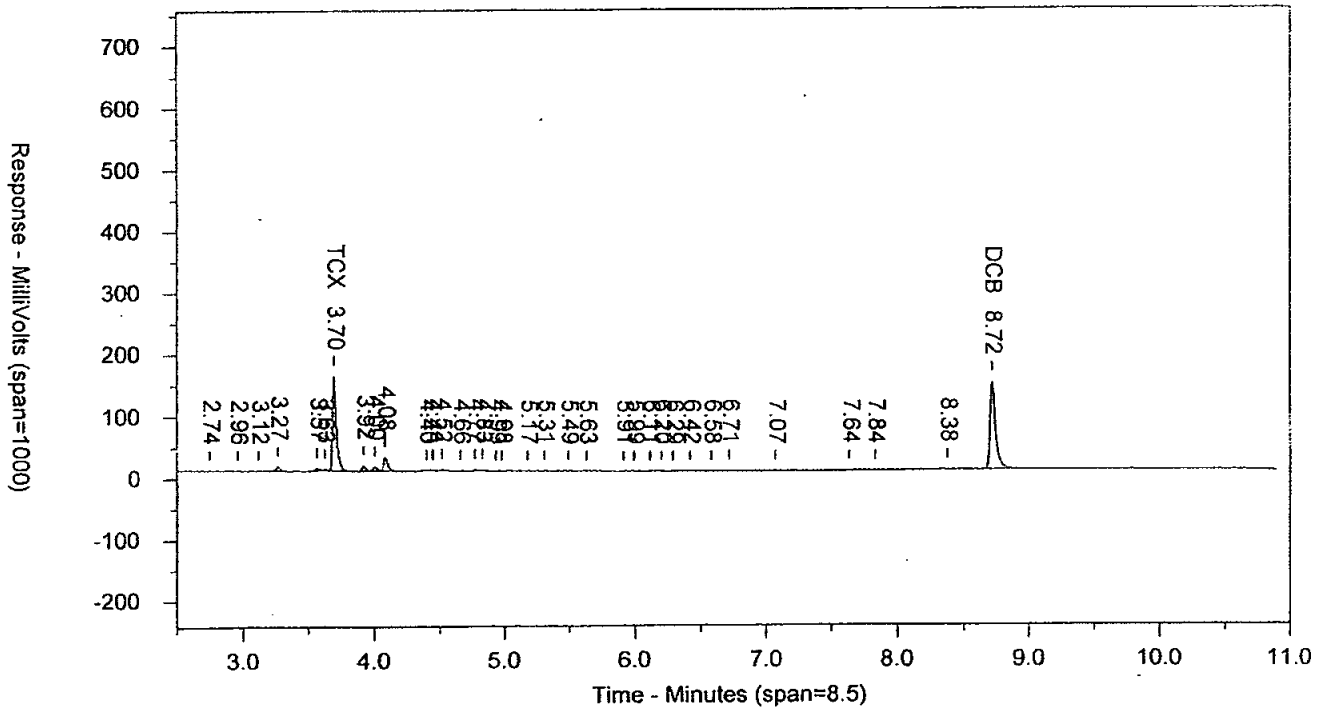


ASX67 0828

LANCASTER LABORATORIES

Sample Number: AR32X1224B AAAR32XAA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 9:39:11 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.025.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.754		482	1179
1.965		1626	12473
2.169		1595	14080
2.625		468	2057
2.754		313	678
2.798		403	559
2.931		2513	5073
3.016		2948	4652
3.067		747	2751
3.258		436	4605
3.368		12831	32142
3.558		509	3038
3.642		9290	26000
3.742		3049	6425
3.861	TCX	390926	851141
4.065		19030	37967
4.142		18230	32504
4.21		54805	119160
4.341		2524	5309
4.511		8662	11332
4.53		5330	7126
4.632		3501	4223
4.675		23217	45311
4.778		494	616
4.83		7167	18408
4.929		45715	99378
4.983		18725	31014
5.067		20557	37466
5.158		8446	10909
5.198		10709	31238
5.329		16995	43718
5.4		2717	2726
5.45		15516	27602
5.5		2450	3341
5.612		849	1020
5.658		2638	3446
5.682		6002	5818
5.713		10090	15371
5.852		15406	58391
6.033		2110	3815
6.097		2170	3013
6.133		885	862
6.172		4244	7445
6.276		2715	6381
6.379		331	441
6.429		2979	5467
6.556		1959	8024
6.665		3538	9682
6.799		843	1600
7.118		612	3706
7.382		494	1102
7.693		279	522
7.777		123	526

ASX67 8839

RT A	Compound A	Height A	Area A
8.003		1310	2914
8.908		1789	33851
9.271	DCB	208532	842936
10.18		229	691

ASX67 0848

LANCASTER LABORATORIES

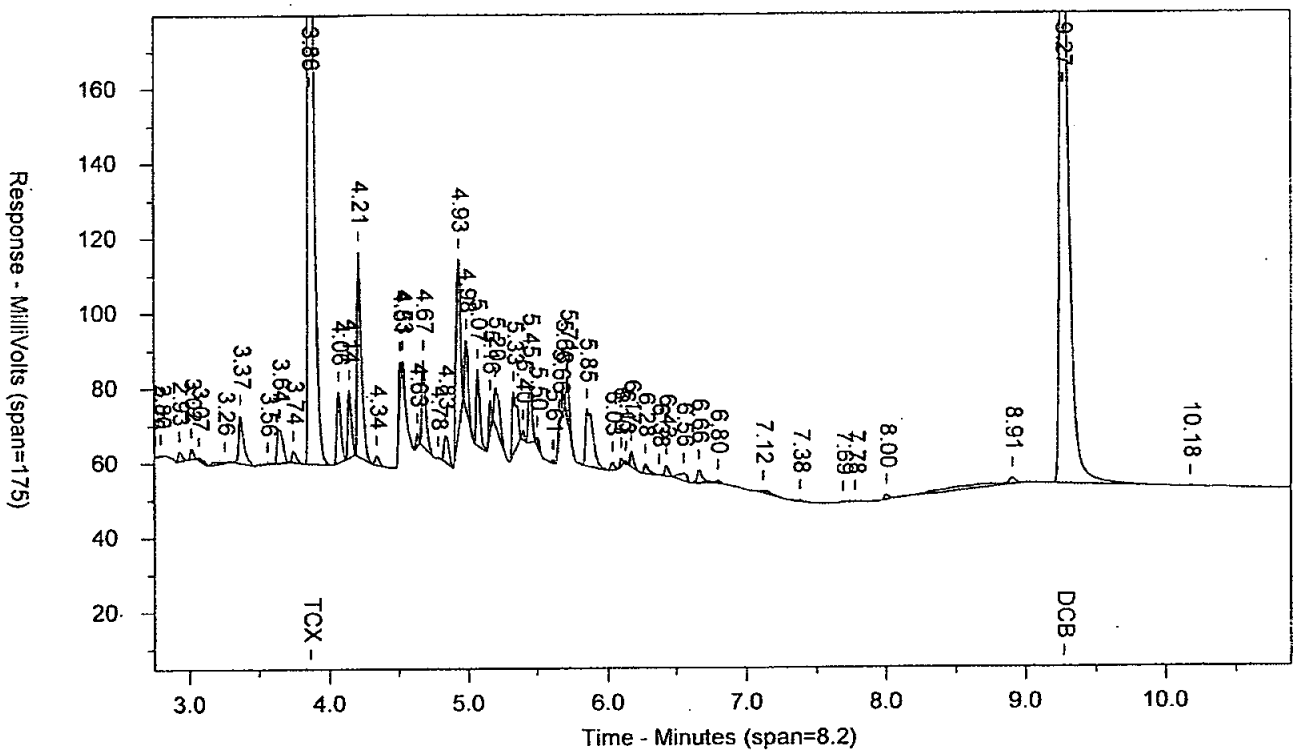
Sample Number: AR32X1224B AAAR32XAA ICAL 1218999999 Injection Volume: 1 uSW-846 8082
Injected On: 7/8/2012 9:39:11 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.025.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.594		19009	193274
2.746		603	1068
2.8		508	1264
3.268		4983	13045
3.568		3244	7538
3.629		843	1407
3.697	TCX	148858	298120
3.923		6882	14300
4.007		6359	12710
4.083		21508	46845
4.241		1091	2492
4.382		13964	43311
4.55		10562	27251
4.679		3117	9378
4.773		22729	45452
4.827		7425	13667
4.938		6817	9950
4.981		2470	2878
5.016		5354	12313
5.175		7098	15281
5.309		6770	13244
5.368		1484	2223
5.494		5573	10595
5.53		4740	6642
5.631		1323	1994
5.688		3124	4691
5.723		1902	2647
5.833		1001	1777
5.913		1327	2037
5.993		2584	6627
6.118		1487	4030
6.203		1960	3948
6.319		526	2408
6.419		429	910
6.485		1437	2962
6.58		481	1472
6.718		398	1280
7.074		415	992
7.423		262	546
7.645		976	2627
7.834		171	645
8.381		941	2795
8.72	DCB	137775	416969

ASX67 9941

AR32X1224B AAAR32XAA ICAL 1218999999 SW-846 8082

—— \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.025.RAW



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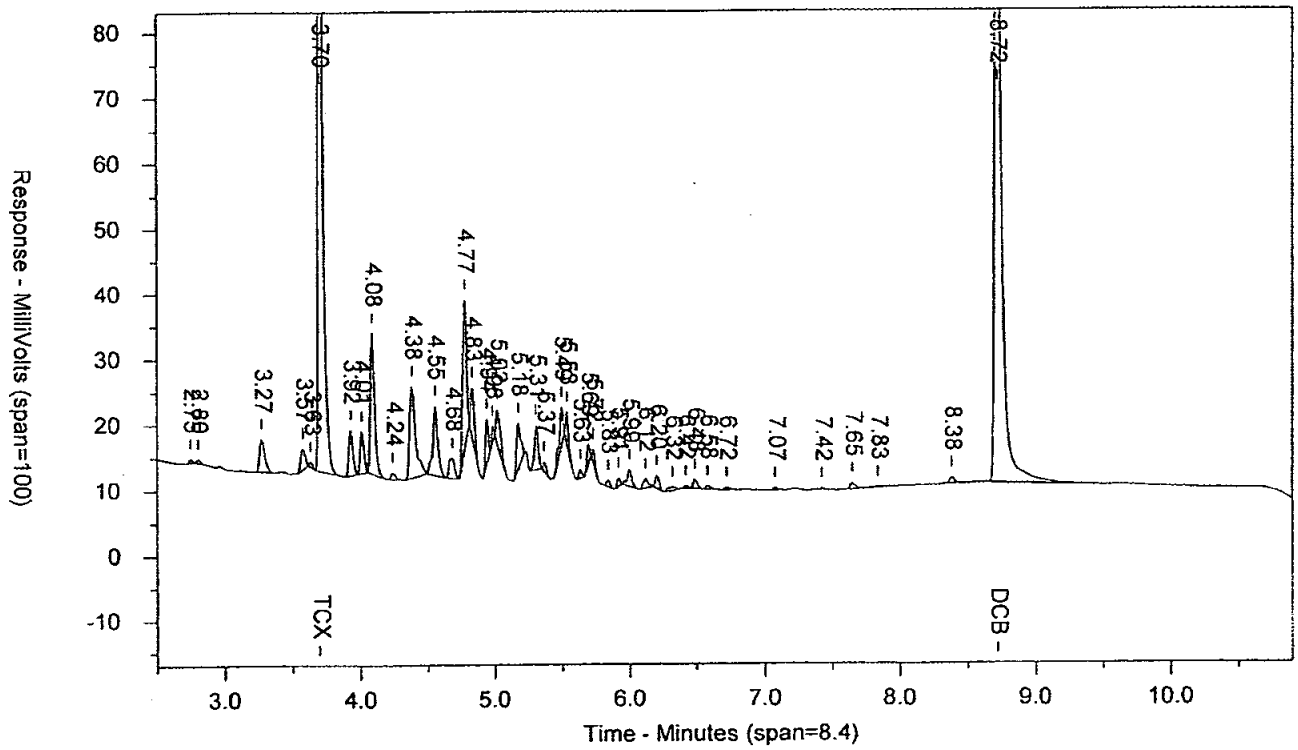

ASX67 0842

LANCASTER LABORATORIES

Sample Number: AR32X1224B AAAR32XAA ICAL 1218999999
Injected On: 7/8/2012 9:39:11 PM
Instrument ID: CP7-5088A
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: SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.861	390926	36.589	TCX	3.697	148858	40.415	TCX
9.271	208532	38.722	DCB	8.72	137775	36.34	DCB

Files:
Area File: 1p7190.025.RAW
Area File: 1p7190B.025.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 9:50:06 PM
File Reported On: 7/8/2012 at 9:50:11 PM

ASX67 8843

AR32X1224B AAAR32XAA ICAL 1218999999 SW-846 8082

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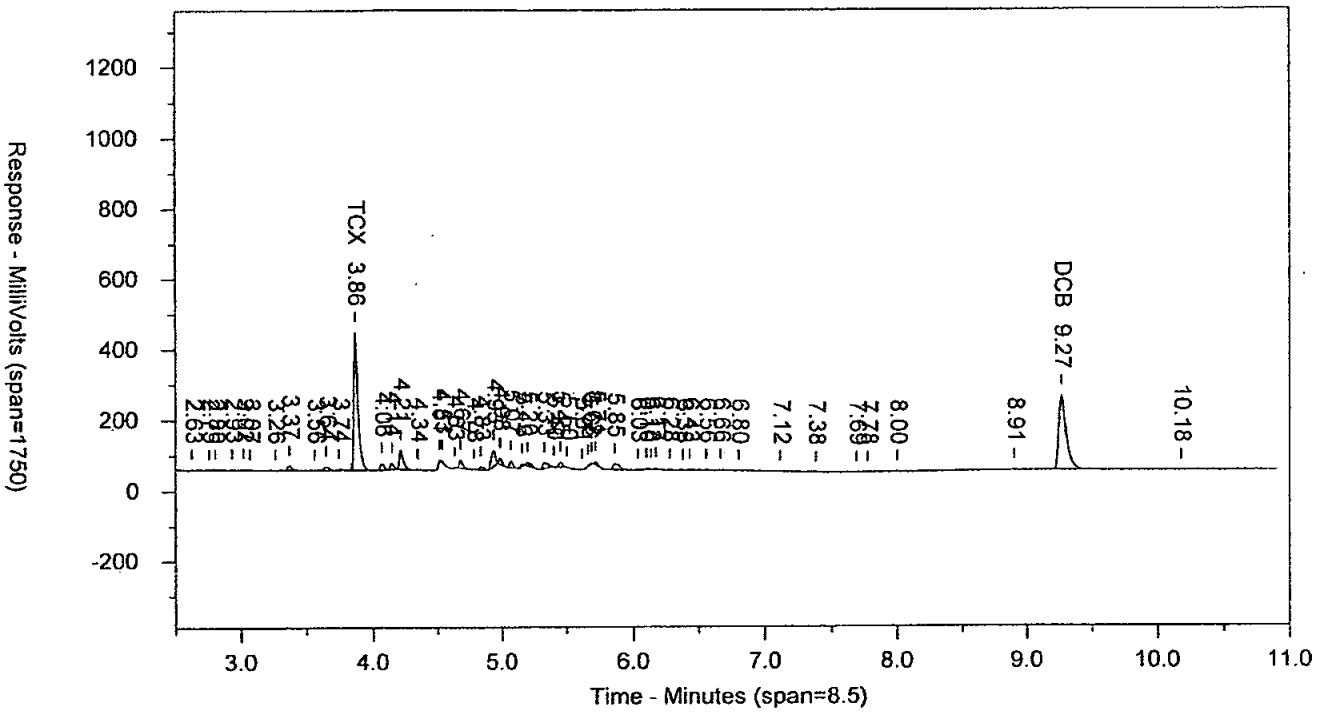

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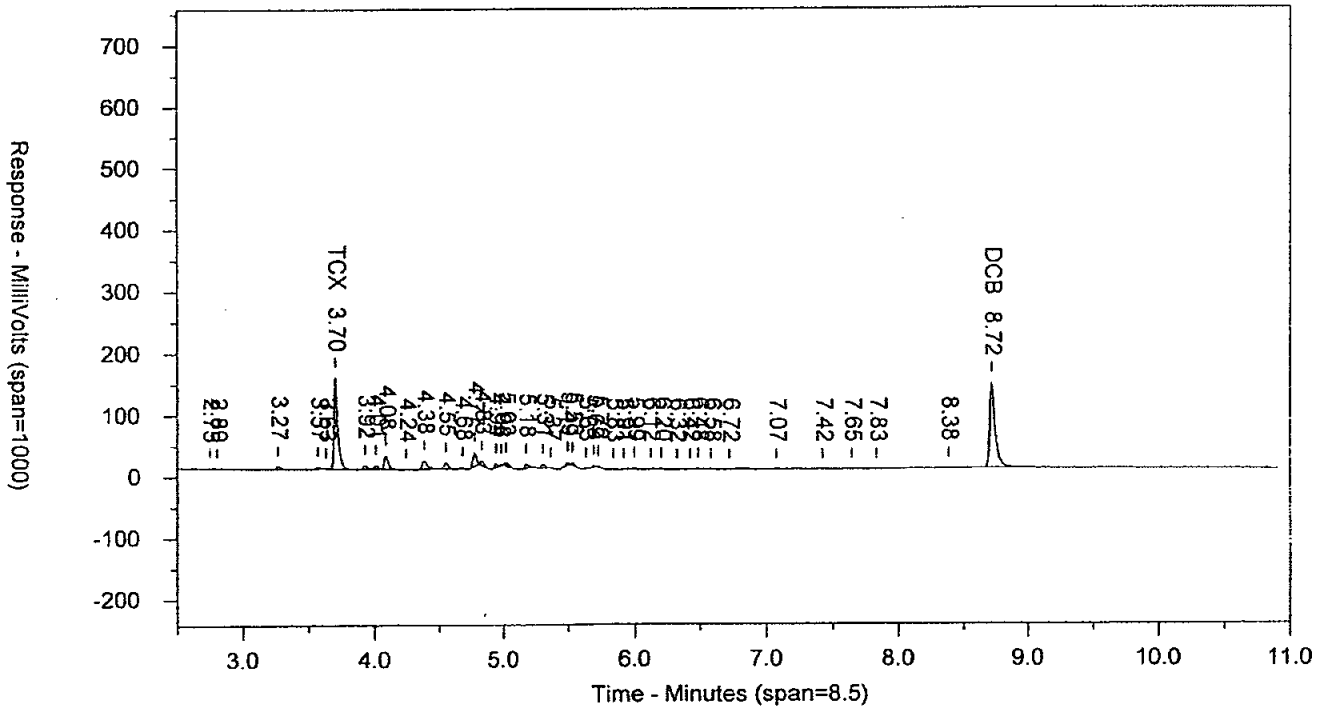


ASX67 8844

LANCASTER LABORATORIES

Sample Number: AR4231224A AAAR423AA ICAL 1218999999 Injection Volume: SW846 8082
Injected On: 7/8/2012 9:53:46 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.026.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.751		353	934
1.968		1549	11388
2.17		2279	22528
2.301		1200	4966
2.62		464	1856
2.748		742	1532
2.833		853	3336
2.928		2276	4207
3.013		3265	5248
3.064		762	2780
3.188		447	1913
3.363		946	4661
3.553		604	3930
3.639		9820	27619
3.858	TCX	399315	868438
4.061		6309	12448
4.138		12008	21432
4.207		34579	74934
4.339		4272	9345
4.508		13431	17741
4.526		8591	10500
4.629		1511	1584
4.671		37370	77920
4.774		594	698
4.842		11564	31482
4.925		72794	158778
4.979		27371	44414
5.063		32136	59629
5.155		14701	18684
5.194		18112	53504
5.326		28727	74601
5.396		4626	4612
5.447		26024	45867
5.497		3947	5389
5.61		1825	2307
5.656		6252	7356
5.679		10669	10569
5.709		18153	26849
5.849		9685	13174
5.87		4939	8430
6.031		4349	7805
6.094		4606	6342
6.13		1821	1771
6.169		9116	16374
6.272		5289	11927
6.377		819	1069
6.427		8207	15841
6.521		473	687
6.554		933	2602
6.662		7452	17056
6.798		1981	5524
7.047		590	1066
7.111		464	2728

ASX67 9845

RT A	Compound A	Height A	Area A
7.301		425	1135
7.826		156	1710
7.999		1344	2961
8.9		1810	29356
9.264	DCB	213787	862602
10.173		216	686

ASX67 0846

LANCASTER LABORATORIES

Sample Number: AR4231224A AAAR423AA ICAL 1218999999
Injected On: 7/8/2012 9:53:46 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.026.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

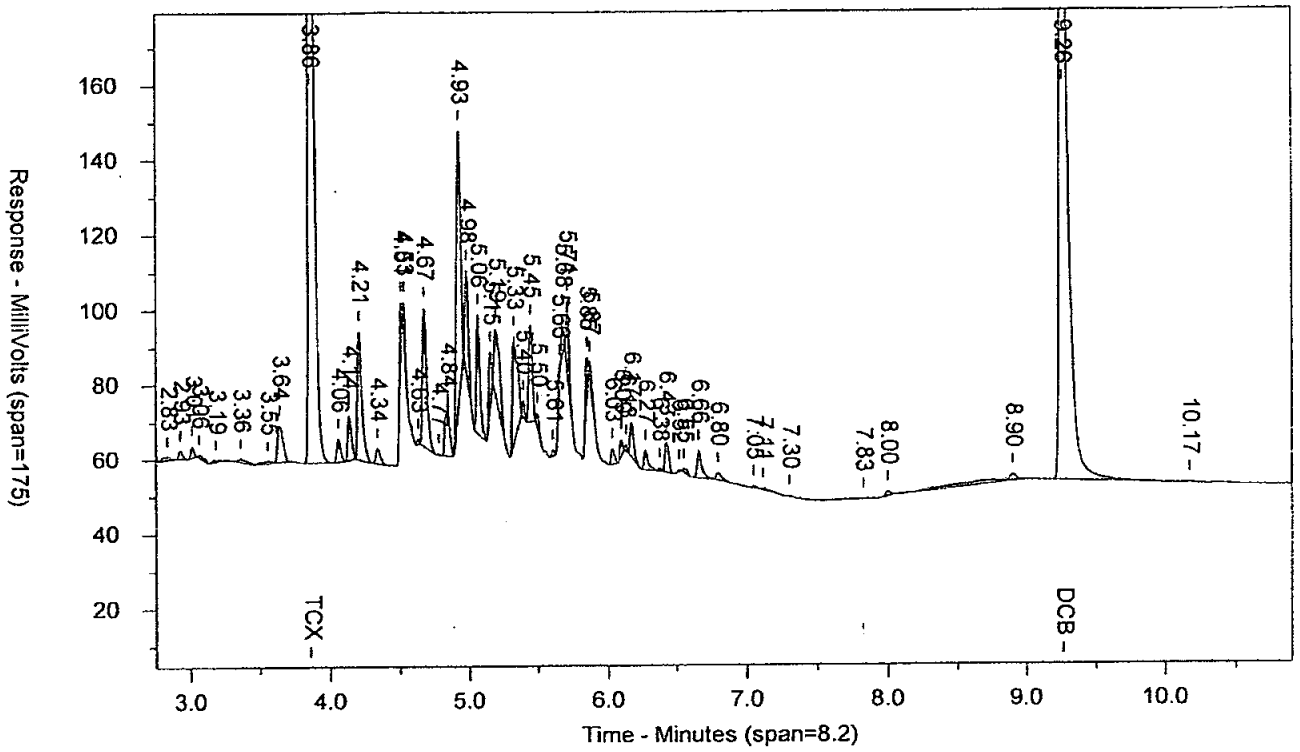
Injection Volume: 1 uSW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.591		18927	194414
2.745		655	1161
2.958		286	639
3.116		348	1504
3.412		322	1280
3.568		4031	12347
3.697	TCX	153023	307172
3.921		2206	4581
4.004		3868	7965
4.082		13230	29359
4.241		1713	3935
4.38		22222	65462
4.549		15820	36742
4.665		4593	13743
4.771		35725	71504
4.826		11323	20432
4.936		11104	15870
4.98		4500	5165
5.014		9337	21478
5.174		14738	49942
5.307		11833	22946
5.366		2615	3941
5.493		10170	18979
5.527		8189	11529
5.629		2827	4239
5.686		5637	8567
5.722		3599	4758
5.833		2346	4151
5.912		2826	4444
5.955		738	753
5.991		4503	8158
6.116		2579	6814
6.201		4222	8483
6.319		634	2503
6.418		566	1184
6.484		3429	7053
6.579		1062	2637
6.714		342	1127
6.878		345	728
7.062		267	890
7.224		170	587
7.643		1040	2776
8.375		1038	6364
8.715	DCB	139746	426208

ASX67 0847

AR4231224A AAAR423AA ICAL 1218999999 SW-846 8082

—— \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.026.RAW



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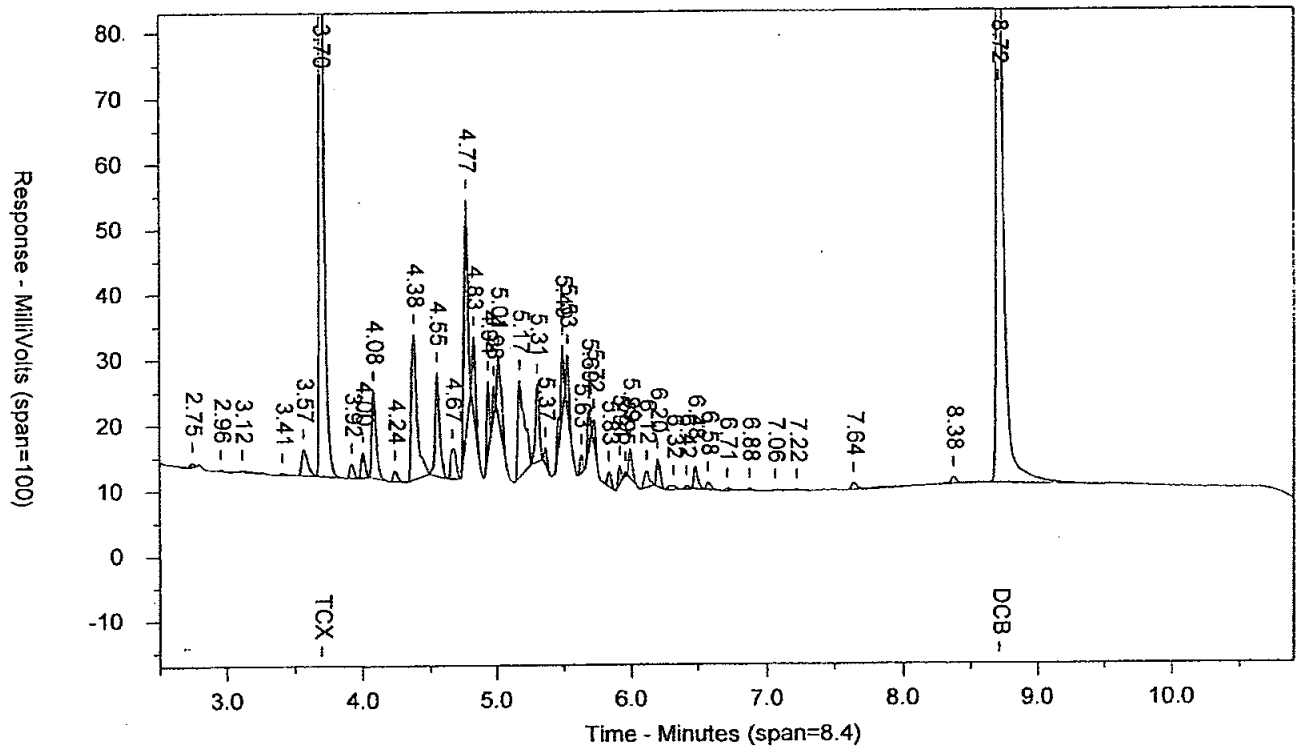


ASX67 0848

LANCASTER LABORATORIES

Sample Number: AR4231224A AAAR423AA ICAL 1218999999
Injected On: 7/8/2012 9:53:46 PM
Instrument ID: CP7-5088A
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: SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

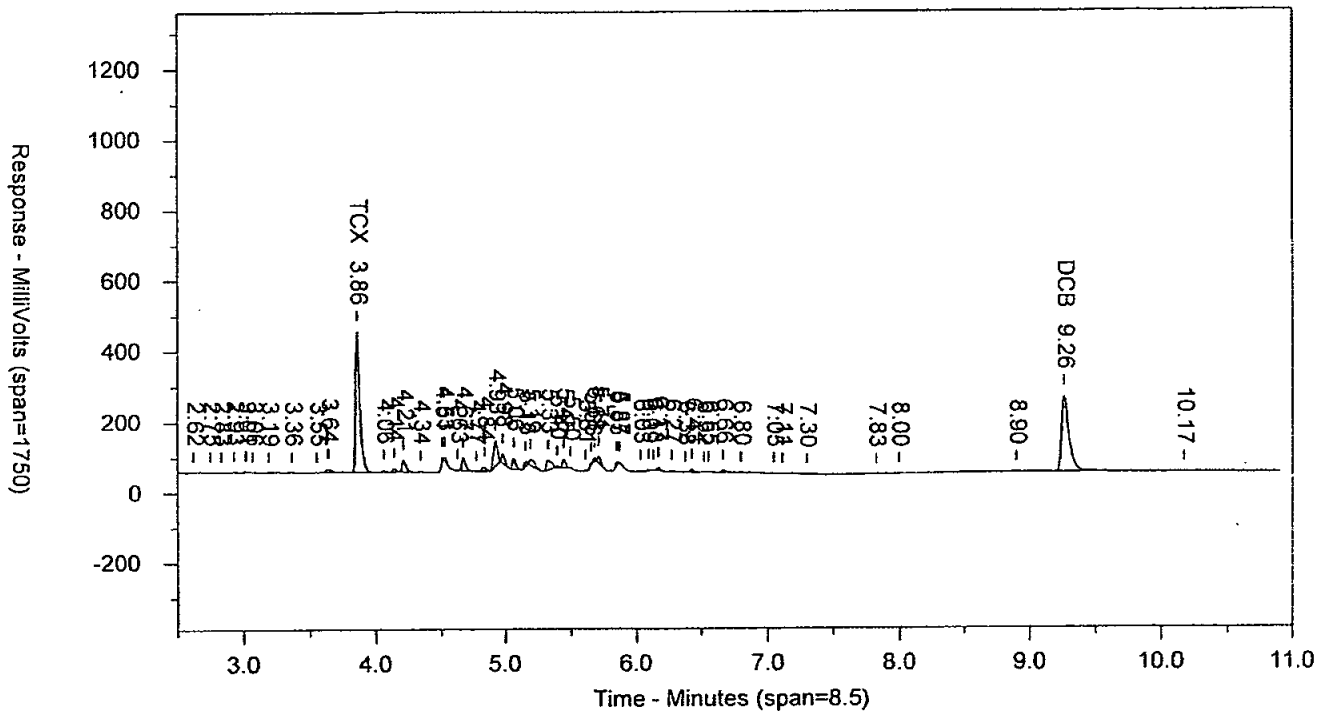
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.858	399315	37.375	TCX	3.697	153023	41.545	TCX
9.264	213787	39.82	DCB	8.715	139746	36.86	DCB

Files:
Area File: 1p7190.026.RAW
Area File: 1p7190B.026.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 10:04:41 PM
File Reported On: 7/8/2012 at 10:04:49 PM

ASX67 8849

AR4231224A AAAR423AA ICAL 1218999999 SW-846 8082

—— \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.026.RAW



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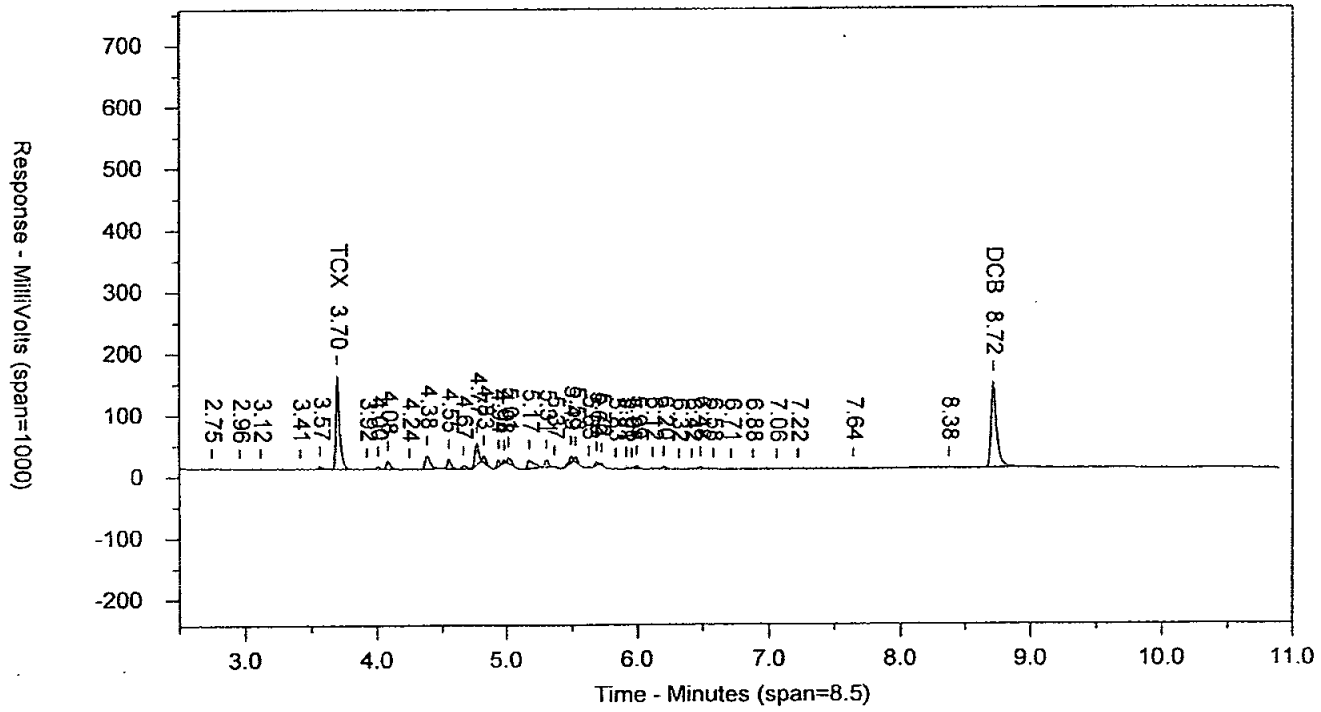

ASX67 0050

LANCASTER LABORATORIES

Sample Number: AR16XX1224B AAAR16XAA ICAL 1218999999
Injected On: 7/8/2012 10:08:19 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.027.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

Injection Volume: $W-846 8082
Analyst: 2855

RT A	Compound A	Height A	Area A
2.06		295	541
2.16		586	3992
2.74		244	519
2.833		393	1289
2.926		514	823
3.012		2469	6291
3.359		1159	4309
3.549		491	2588
3.638		7900	24720
3.75		391	1174
3.857	TCX	104120	212200
4.059		7789	15754
4.138		9592	16783
4.206		43575	95981
4.338		5573	12428
4.506		16652	21328
4.525		10641	13053
4.625		1774	1787
4.67		48676	104209
4.774		863	1059
4.841		14131	39158
4.924		91059	199970
4.978		34552	57523
5.062		41230	77004
5.153		18410	23511
5.193		22654	68277
5.325		22565	31360
5.395		5580	5546
5.445		31026	55376
5.496		5010	7011
5.608		1300	1591
5.654		5390	6043
5.677		4466	4186
5.707		4379	5982
5.847		3594	12063
6.539		701	3707
6.64		418	3909
7.113		870	4152
7.823		152	544
7.998		253	488
8.215		231	1780
8.346		836	4164
8.898		626	21717
9.262	DCB	60823	219310

ASX67 0851

LANCASTER LABORATORIES

Sample Number: AR16XX1224B AAAR16XAA ICAL 1218999999
Injected On: 7/8/2012 10:08:19 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.027.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 ulSW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.589		100971	1036863
2.743		459	843
3.413		441	1555
3.566		2884	8730
3.697	TCX	33085	72390
3.92		2732	5826
4.005		3438	6861
4.081		16575	36547
4.24		2150	4975
4.378		28256	81224
4.548		20465	48014
4.677		5720	16442
4.77		45851	90672
4.824		14337	24844
4.935		14552	20435
4.978		5711	6421
5.013		11955	27674
5.172		16376	34176
5.305		14800	28891
5.366		3360	5115
5.492		10227	38269
5.7		1031	3426
6.009		287	1160
6.205		245	1513
6.712		471	1478
7.233		161	538
7.644		946	11107
8.374		280	15501
8.717	DCB	39138	118684

ASX67 0852

AR16XX1224B AAAR16XAA ICAL 1218999999 SW-846 8082

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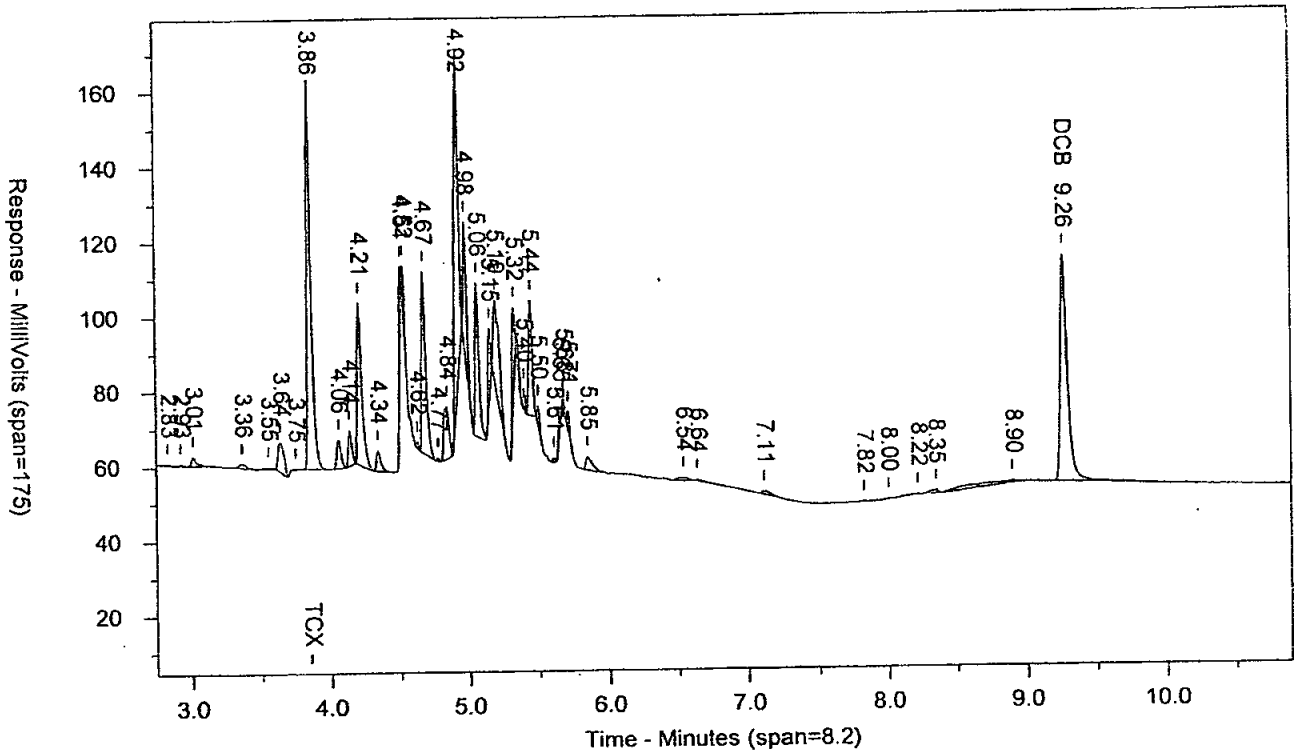

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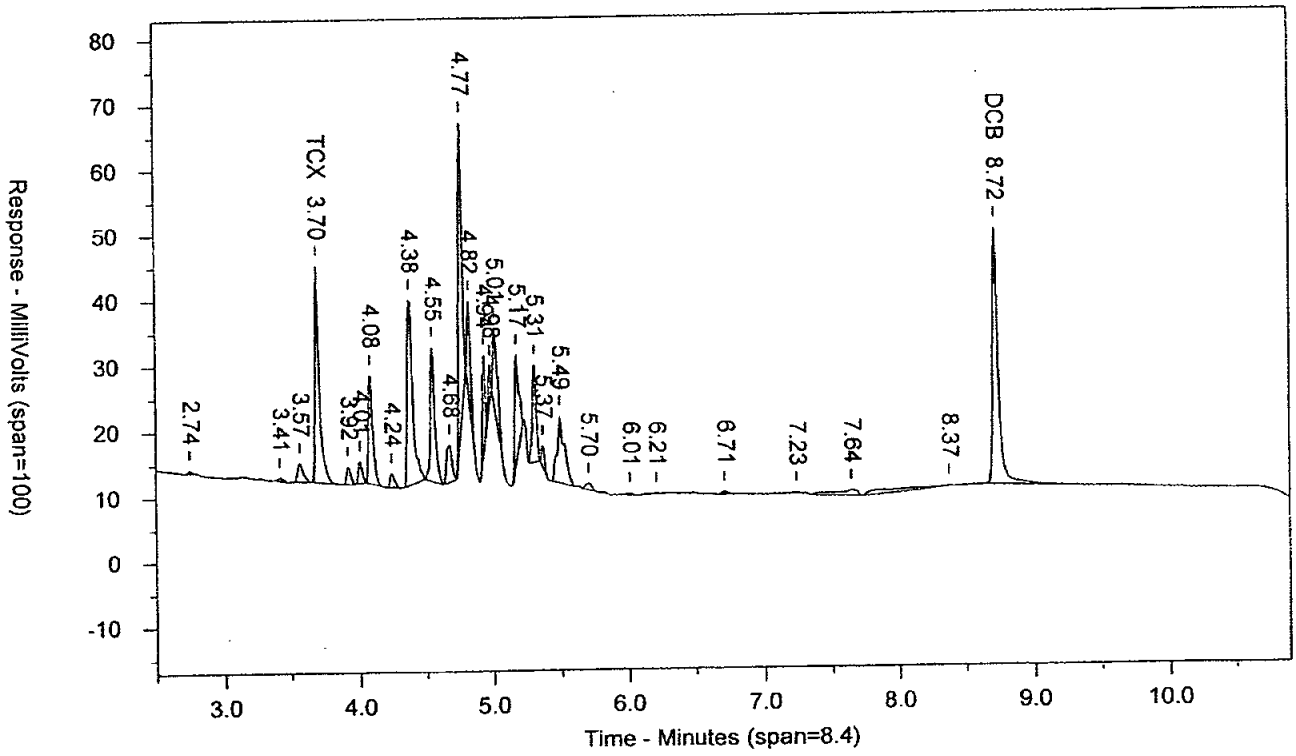

ASX67 0853

LANCASTER LABORATORIES

Sample Number: AR16XX1224B AAAR16XAA ICAL 1218999999
Injected On: 7/8/2012 10:08:19 PM
Instrument ID: CP7-5088A
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: 1SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.857	104120	9.745	TCX	3.697	33085	8.982	TCX
9.262	60823	7.841	DCB	8.717	39138	10.323	DCB

Files:
Area File: 1p7190.027.RAW
Area File: 1p7190B.027.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 10:19:15 PM
File Reported On: 7/8/2012 at 10:19:23 PM

ASX67 8854

AR16XX1224B AAAR16XAA ICAL 1218999999 SW-846 8082

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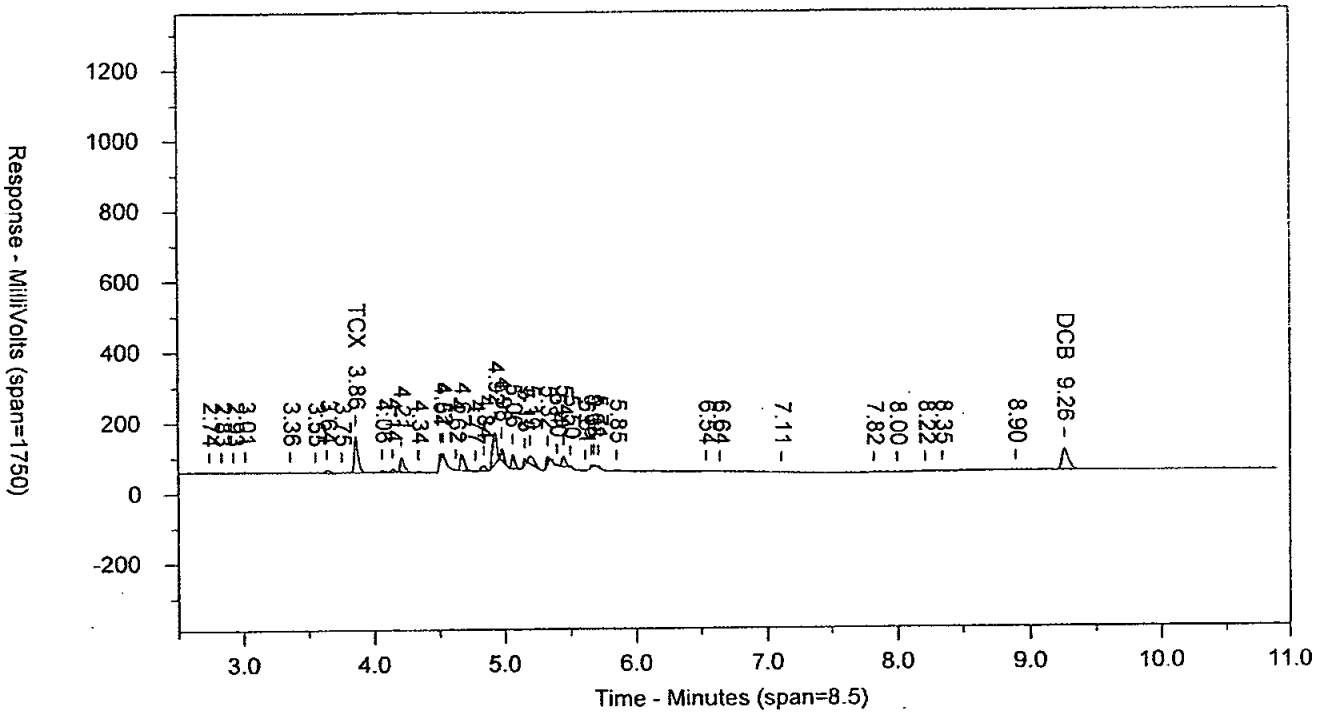

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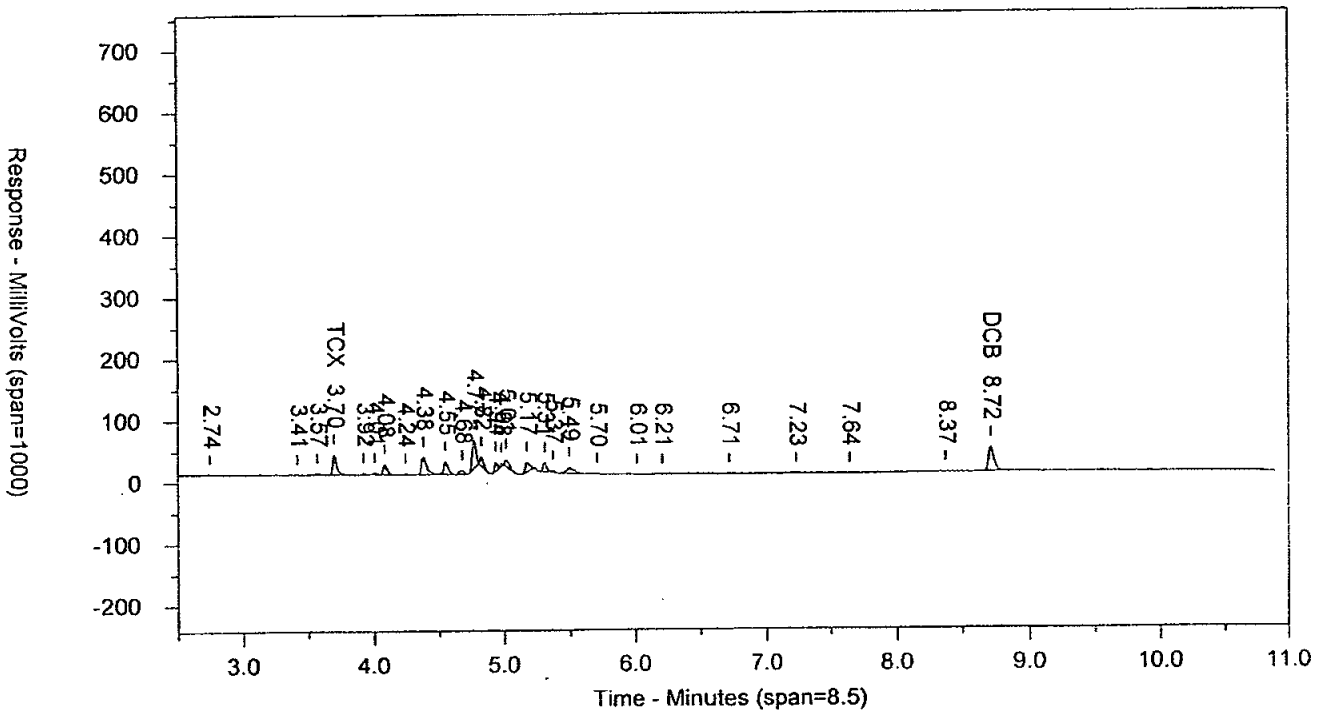

ASX67 0855

LANCASTER LABORATORIES

Sample Number: MD16X1224B AAMD16XAA ICAL 1218999999 Injection Volume: SW-846 8082
Injected On: 7/8/2012 10:22:54 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.028.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.874		487	3259
2.058		443	799
2.162		796	5502
3.011		2477	6065
3.35		636	4562
3.555		791	4873
3.638		15765	48424
3.856	TCX	11018	20070
4.058		448	918
4.138		461	779
4.206		2668	6444
4.336		299	748
4.507		1169	1428
4.67		2870	6120
4.824		2178	10069
4.925		5150	10482
4.98		2290	4076
5.061		2342	4074
5.153		1192	1502
5.193		1270	3486
5.324		2085	5171
5.445		1782	3204
5.651		1752	2424
5.852		2559	10250
6.113		691	1480
6.167		716	1083
6.227		1813	5071
6.318		4192	9429
6.419		362	471
6.496		730	1323
6.554		5217	15135
6.659		1524	3047
6.796		5207	10692
6.87		2139	3325
6.919		992	1599
7.067		2911	6668
7.139		1159	1863
7.299		775	1447
7.378		6907	16683
7.683		3492	6822
7.766		1057	2813
8.151		673	1799
8.455		1671	4172
8.899		786	6338
9.262	DCB	6791	21497

ASX67 8856

LANCASTER LABORATORIES

Sample Number: MD16X1224B AAMD16XAA ICAL 1218999999
Injected On: 7/8/2012 10:22:54 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.028.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 ulSW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.589		102887	1057641
2.743		544	1357
3.118		300	2553
3.415		347	1432
3.566		6278	19588
3.695	TCX	2826	6142
4.08		913	1992
4.379		1530	3852
4.547		1036	2329
4.66		520	1334
4.77		2313	4760
4.826		982	2029
4.935		726	1081
4.979		373	449
5.172		914	2019
5.304		720	1371
5.492		1041	2344
5.628		882	2367
6.003		1509	5443
6.11		2282	5169
6.226		382	720
6.283		2758	6121
6.418		2254	4681
6.528		336	436
6.576		1393	2014
6.845		1602	3532
6.933		659	1011
7.071		3986	8879
7.35		736	1338
7.416		2734	6204
7.642		208	818
7.83		514	1380
7.999		999	2440
8.375		316	696
8.716	DCB	4081	11347

ASX67 0857

MD16X1224B AAMD16XAA ICAL 1218999999 SW-846 8082

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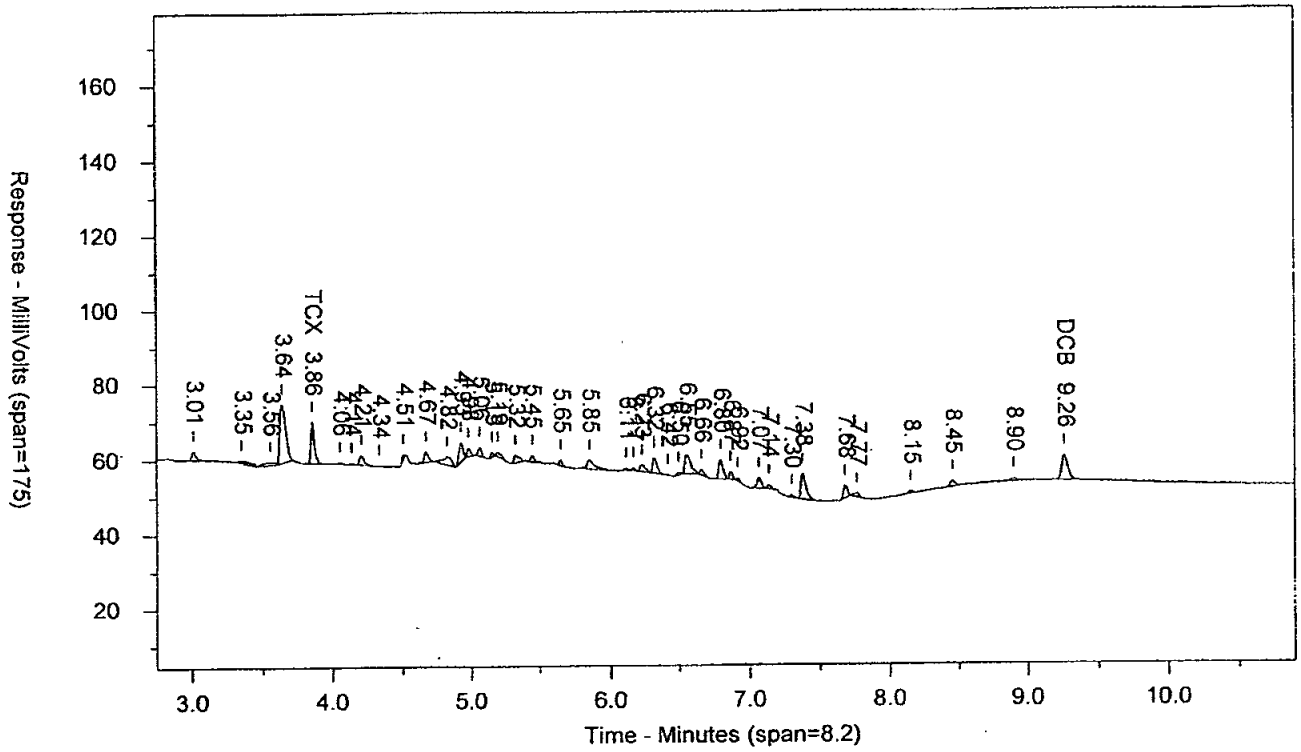

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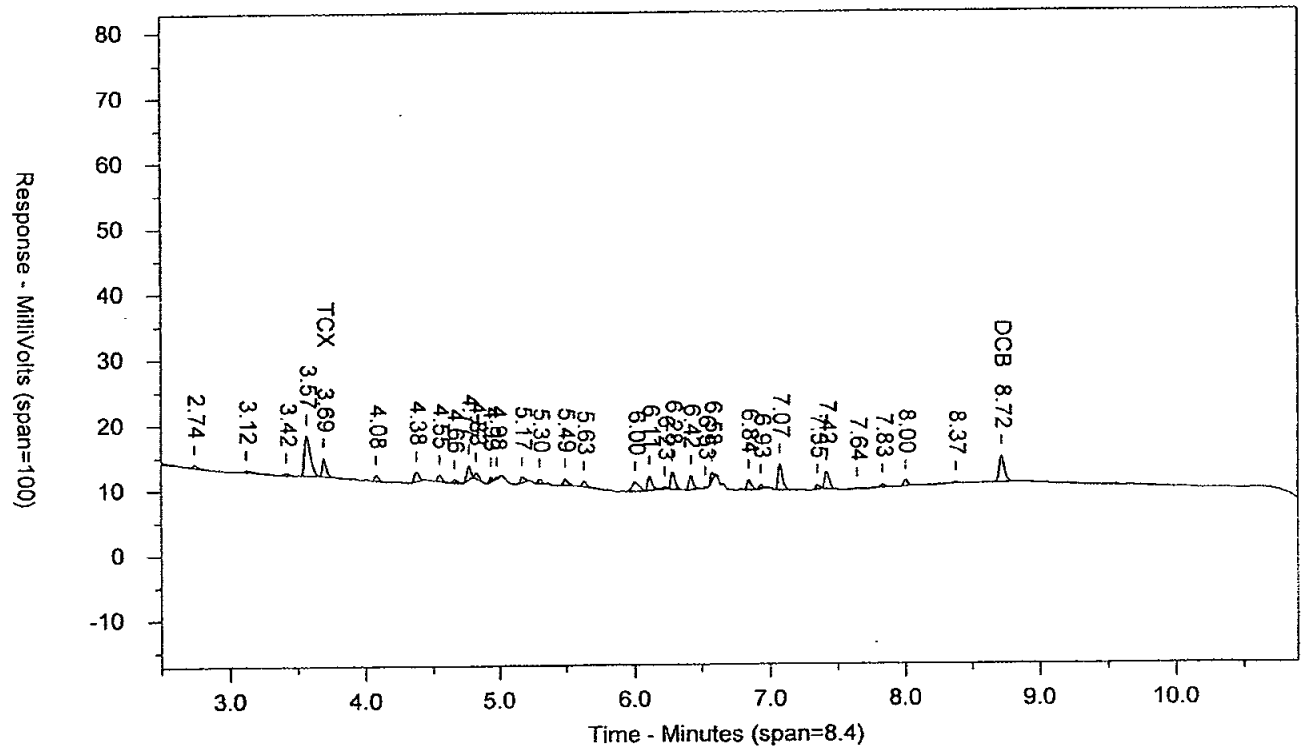

ASX67 0858

LANCASTER LABORATORIES

Sample Number: MD16X1224B AAMD16XAA ICAL 1218999999
Injected On: 7/8/2012 10:22:54 PM
Instrument ID: CP7-5088A
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: 1SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.856	11018	1.031	TCX	3.695	2826	.767	TCX
9.262	6791	-3.455	DCB	8.716	4081	1.076	DCB

Files:
Area File: 1p7190.028.RAW
Area File: 1p7190B.028.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 10:33:49 PM
File Reported On: 7/8/2012 at 10:33:55 PM

ASX67 0859

MD16X1224B AAMD16XAA ICAL 1218999999 SW-846 8082

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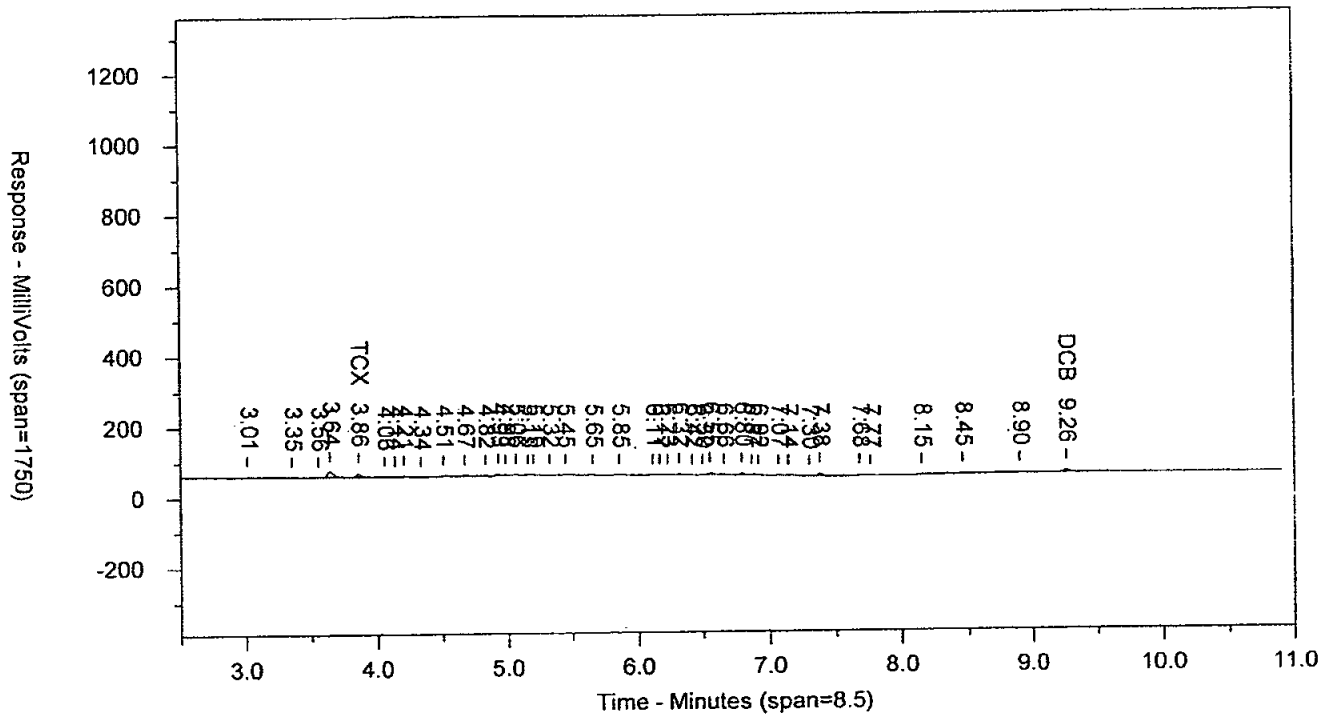

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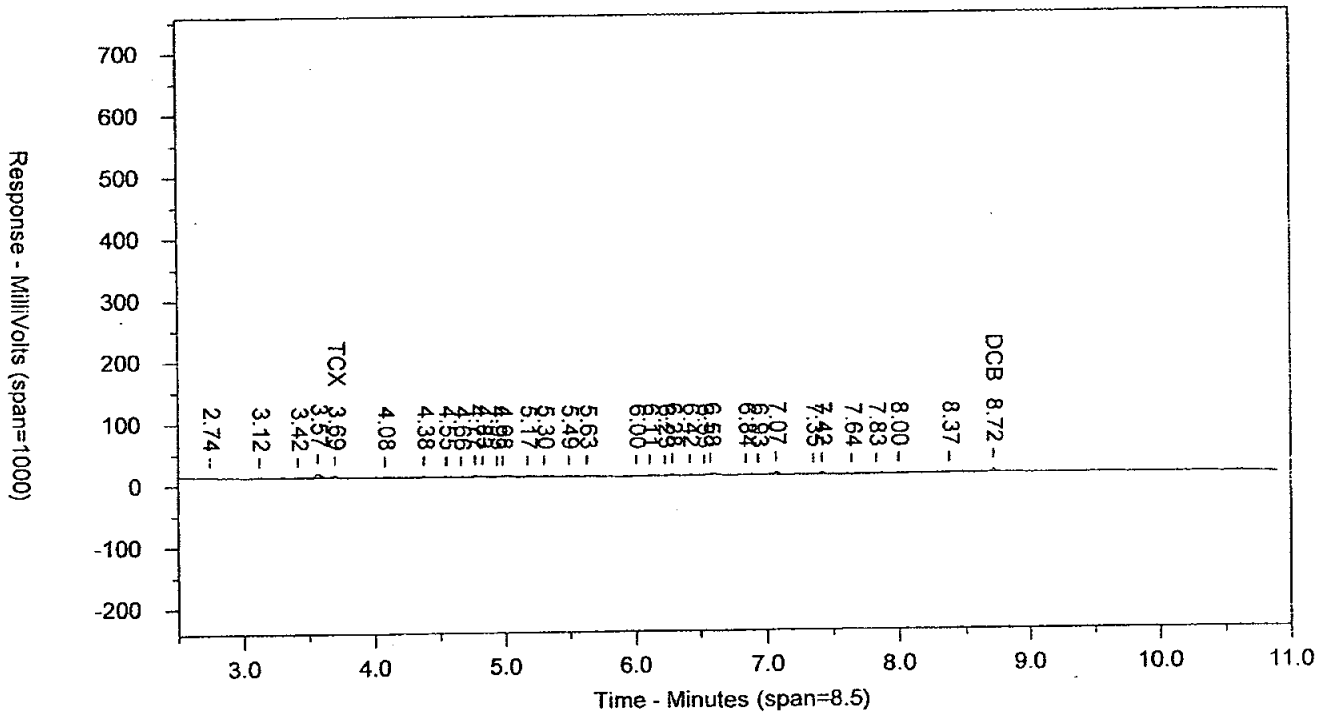


ASX67 0860

LANCASTER LABORATORIES

Sample Number: IC16X1224B NBIC16XNB CCAL 1218999999
Injected On: 7/8/2012 11:25:55 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.032.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

Injection Volume: 1 ul
Analyst: 2855

RT A	Compound A	Height A	Area A
1.876		1364	6603
2.058		458	1014
2.158		1181	8672
2.306		481	1798
2.752		232	529
2.794		183	248
2.926		2372	4279
3.013		3531	5698
3.064		553	830
3.36		1019	4614
3.591		299	2532
3.639		8304	28236
3.768		797	3550
3.857	TCX	401538	877348
4.06		7569	14907
4.137		13278	23433
4.207		42835	93047
4.338		5645	12295
4.507		19928	23177
4.526		9867	12825
4.627		1784	1797
4.671		49412	104894
4.774		733	858
4.842		15021	40922
4.925		94199	204697
4.979		34778	57659
5.063		41555	77455
5.154		20574	26035
5.194		22911	68788
5.326		36401	94957
5.396		5110	5152
5.445		25289	45194
5.497		3850	5072
5.608		626	748
5.656		30179	92074
5.798		3135	4624
5.854		32887	85261
6.03		1193	2046
6.113		12668	27358
6.168		13440	20761
6.23		30024	86392
6.318		63441	152176
6.424		7866	13884
6.492		10306	17420
6.554		75452	244857
6.661		27147	56991
6.754		3726	4304
6.797		79451	173281
6.87		31538	48727
6.92		17019	27386
7.068		49860	123108
7.141		17261	27234
7.189		7275	11009

ASX67 8861

RT A	Compound A	Height A	Area A
7.302		14763	28135
7.379		110673	309327
7.685		56732	116063
7.767		16303	42425
7.996		3811	9079
8.107		946	1543
8.151		11641	26706
8.457		30265	79698
8.55		1143	2049
8.902		12689	42578
9.264	DCB	217964	871821
10.175		263	875
10.399		157	846

ASX67 8862

LANCASTER LABORATORIES

Sample Number: IC16X1224B NBIC16XNB CCAL 1218999999
Injected On: 7/8/2012 11:25:55 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.032.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

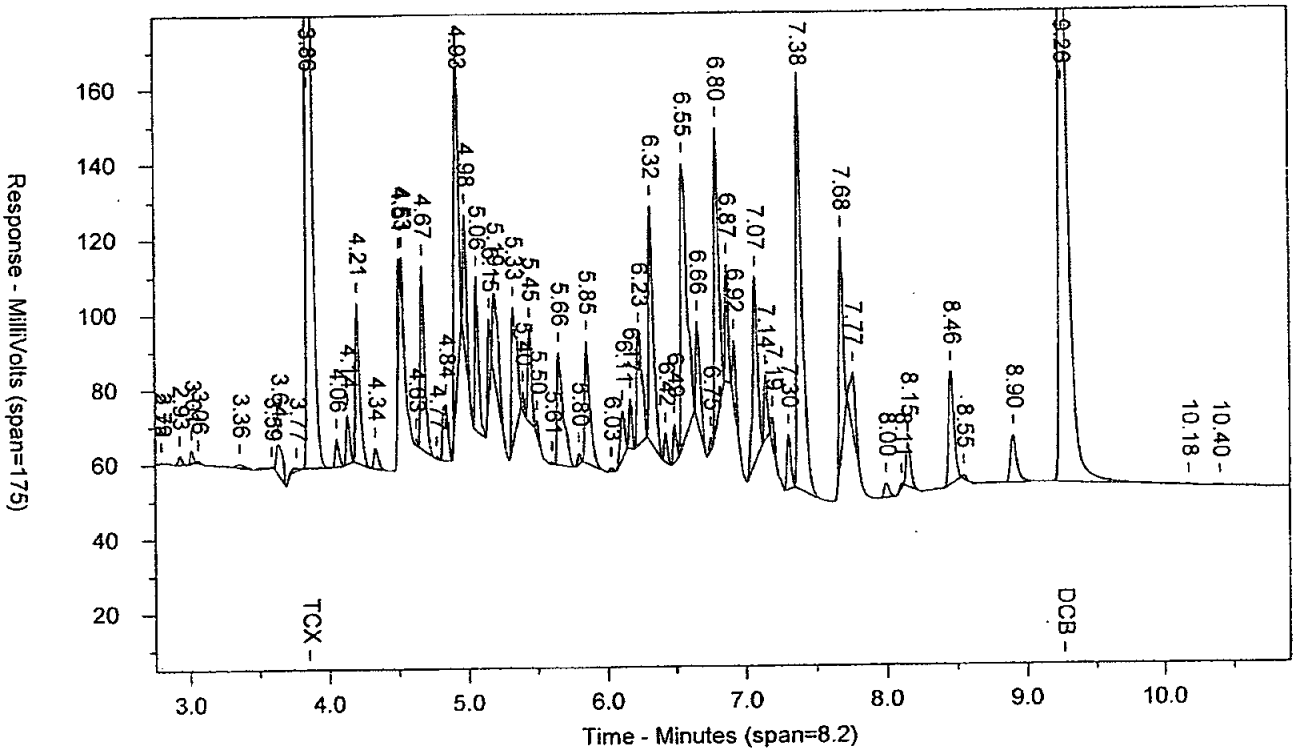
Injection Volume: 1 ul
Analyst: 2855

RT B	Compound B	Height B	Area A
1.592		74223	763795
2.744		714	1282
2.798		415	827
3.566		2782	8986
3.696	TCX	154943	309759
3.92		2642	5523
4.004		4382	8938
4.081		16364	36162
4.24		2222	5118
4.379		28915	84026
4.548		20900	48271
4.676		6105	17898
4.77		47383	93468
4.824		14862	25889
4.936		14814	20402
4.978		6247	6947
5.013		12177	28063
5.173		19226	62829
5.305		11895	23719
5.367		2392	3678
5.493		15772	37824
5.576		1066	1385
5.629		15232	36243
5.832		604	1124
5.909		2708	4650
6.002		23953	84315
6.109		35919	74280
6.228		6640	11777
6.282		43377	89874
6.417		38846	74288
6.484		1466	1571
6.529		6340	8328
6.577		25023	32676
6.607		10992	13324
6.657		8602	12267
6.787		4328	7961
6.845		28160	60663
6.934		11754	17219
6.975		3177	10002
7.071		67987	144726
7.168		1107	1588
7.35		13943	24685
7.416		49226	109607
7.641		2190	4272
7.704		751	1050
7.83		7974	18800
8.001		19559	53064
8.376		7528	19441
8.716	DCB	142185	423947

ASX67 8863

IC16X1224B NBIC16XNB CCAL 1218999999

—— \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.032.RAW



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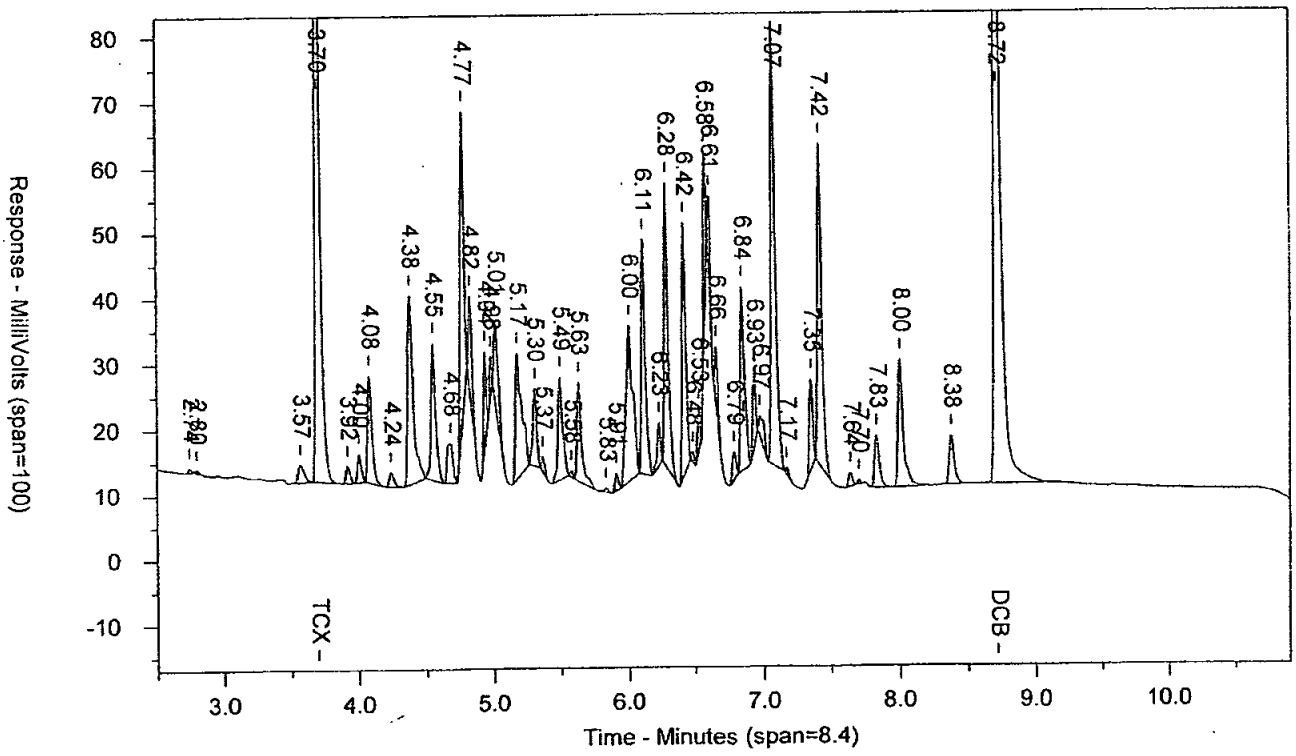

ASX67 8864

LANCASTER LABORATORIES

Sample Number: IC16X1224B NBIC16XNB CCAL 1218999999
Injected On: 7/8/2012 11:25:55 PM
Instrument ID: CP7-5088A
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: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.857	401538	37.583	TCX	3.696	154943	42.067	TCX
9.264	217964	40.694	DCB	8.716	142185	37.503	DCB

Files:
Area File: 1p7190.032.RAW
Area File: 1p7190B.032.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 11:36:51 PM
File Reported On: 7/8/2012 at 11:36:55 PM

ASX67 8865

IC16X1224B NBIC16XNB CCAL 1218999999

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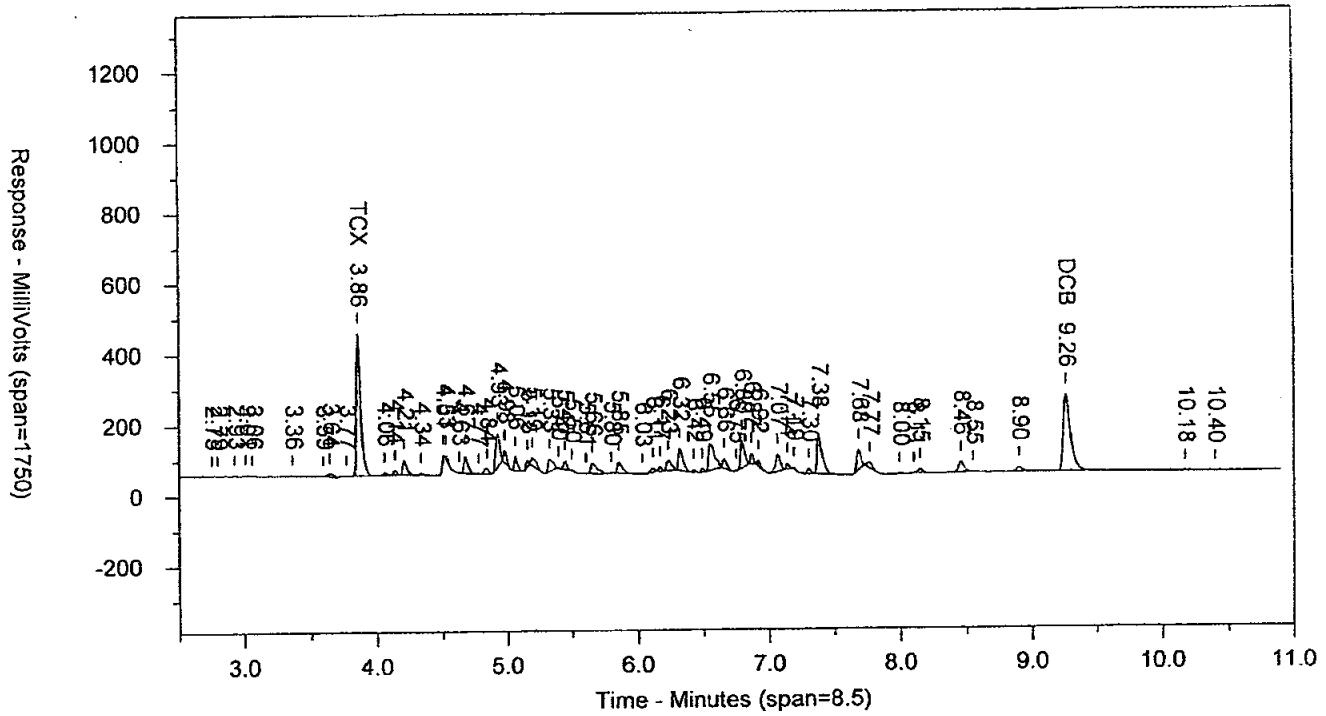

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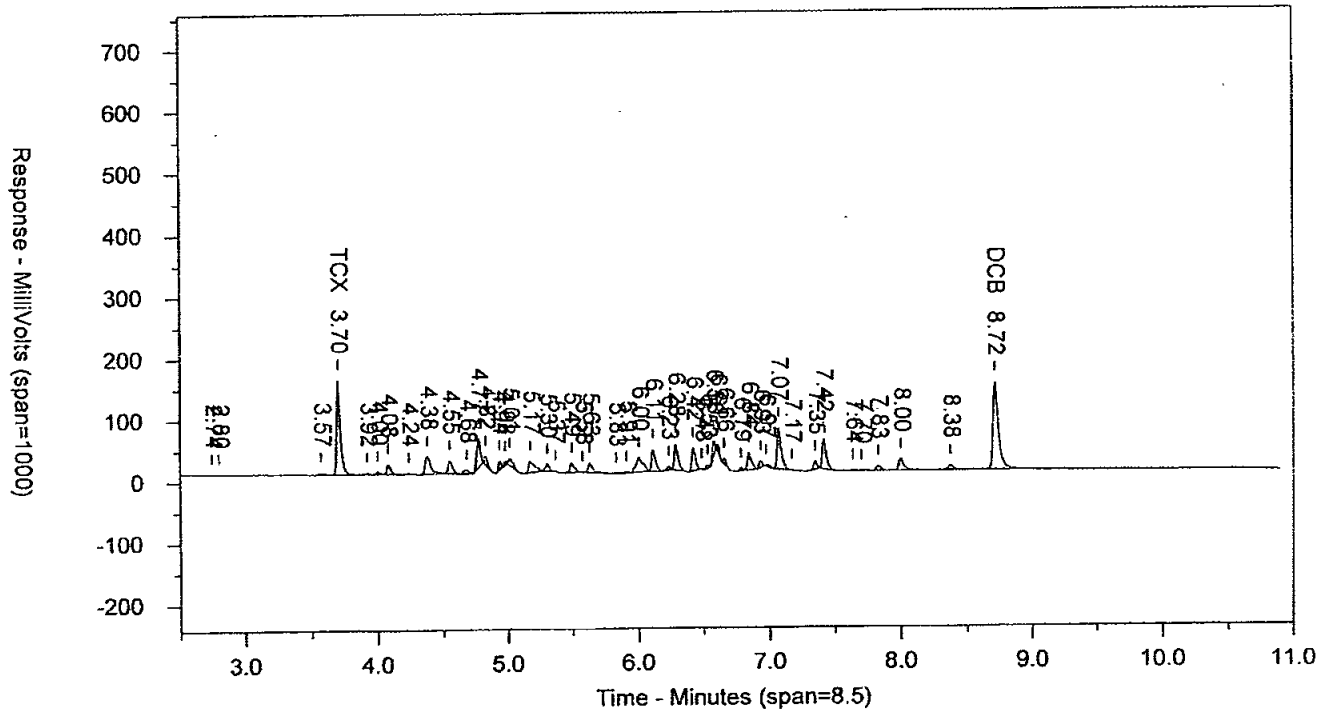

ASX67 0866

LANCASTER LABORATORIES

Sample Number: IC48X1224A CCIC48XCC CCAL 1218999999
Injected On: 7/8/2012 11:40:38 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.033.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

Injection Volume: 1 ul
Analyst: 2855

RT A	Compound A	Height A	Area A
1.532		4464	48631
1.804		10475	64871
1.966		16414	178476
2.21		10977	88442
2.309		5515	35938
2.384		1250	5709
2.521		8070	21471
2.688		3249	30748
2.826		2074	11178
2.925		1854	3517
3.013		2820	4552
3.234		3410	22155
3.354		3328	13830
3.591		422	2519
3.638		14874	38636
3.8		6352	28418
3.858	TCX	366433	823633
4.06		501	743
4.135		11346	35425
4.315		4872	42389
4.416		1657	7165
4.508		24868	76977
4.633		637	972
4.83		4306	23533
4.925		47955	110866
4.979		11944	19032
5.062		24646	60457
5.156		20831	27708
5.194		24918	79024
5.326		47970	119153
5.397		7576	7966
5.445		33625	57866
5.497		8161	21259
5.615		2151	3505
5.679		26986	61073
5.709		28650	44123
5.795		1798	2023
5.849		55680	249626
6.032		10189	19466
6.095		11035	15625
6.13		4593	4490
6.169		25419	47693
6.272		11388	26658
6.375		3537	6354
6.428		14697	29995
6.521		764	885
6.57		2536	6399
6.661		20285	44421
6.794		5931	7782
6.945		793	5952
7.047		1439	2697
7.111		1471	14741
7.304		1532	6287

ASX67 8867

RT A	Compound A	Height A	Area A
7.376		435	934
7.613		1613	5763
7.998		1610	26624
8.131		1769	6506
8.731		2514	88933
8.901		2386	10331
9.265	DCB	207835	839331
9.656		998	16955
10.177		239	773
10.63		427	4699

ASX67 0868

LANCASTER LABORATORIES

Sample Number: IC48X1224A CCIC48XCC CCAL 1218999999
Injected On: 7/8/2012 11:40:38 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.033.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 ul
Analyst: 2855

RT B	Compound B	Height B	Area A
1.596		16287	106742
1.695		10290	48801
1.872		3435	14101
2.15		3345	15640
2.535		2624	7562
2.746		511	878
2.798		379	627
2.965		2323	6322
3.406		2670	8447
3.566		3418	10080
3.696	TCX	146682	288711
3.831		2075	6038
3.999		1611	3474
4.081		1741	3611
4.234		2758	9227
4.377		11576	33566
4.548		6051	10802
4.605		724	1155
4.659		1301	3045
4.77		21809	45807
4.822		4045	7003
4.936		6065	7957
4.979		8341	10718
5.013		11790	27443
5.172		21160	42780
5.231		3040	3723
5.305		14612	26505
5.366		3855	5966
5.492		20532	33672
5.526		12189	16017
5.63		7206	10470
5.685		8902	14219
5.719		4977	6369
5.832		5712	10926
5.911		7539	11531
5.954		1901	1821
5.991		12645	21345
6.116		5610	12973
6.201		10550	21265
6.282		665	866
6.413		3195	8177
6.483		9135	17971
6.579		2583	6579
6.739		2556	9880
6.878		790	1547
7.071		2611	9471
7.426		2241	8148
7.643		1021	2683
7.833		2005	7706
8.317		1231	3106
8.716	DCB	136412	385468
8.904		1359	4915
9.662		1491	8488
10.637		1674	17252

ASX67 8869

IC48X1224A CCIC48XCC CCAL 1218999999

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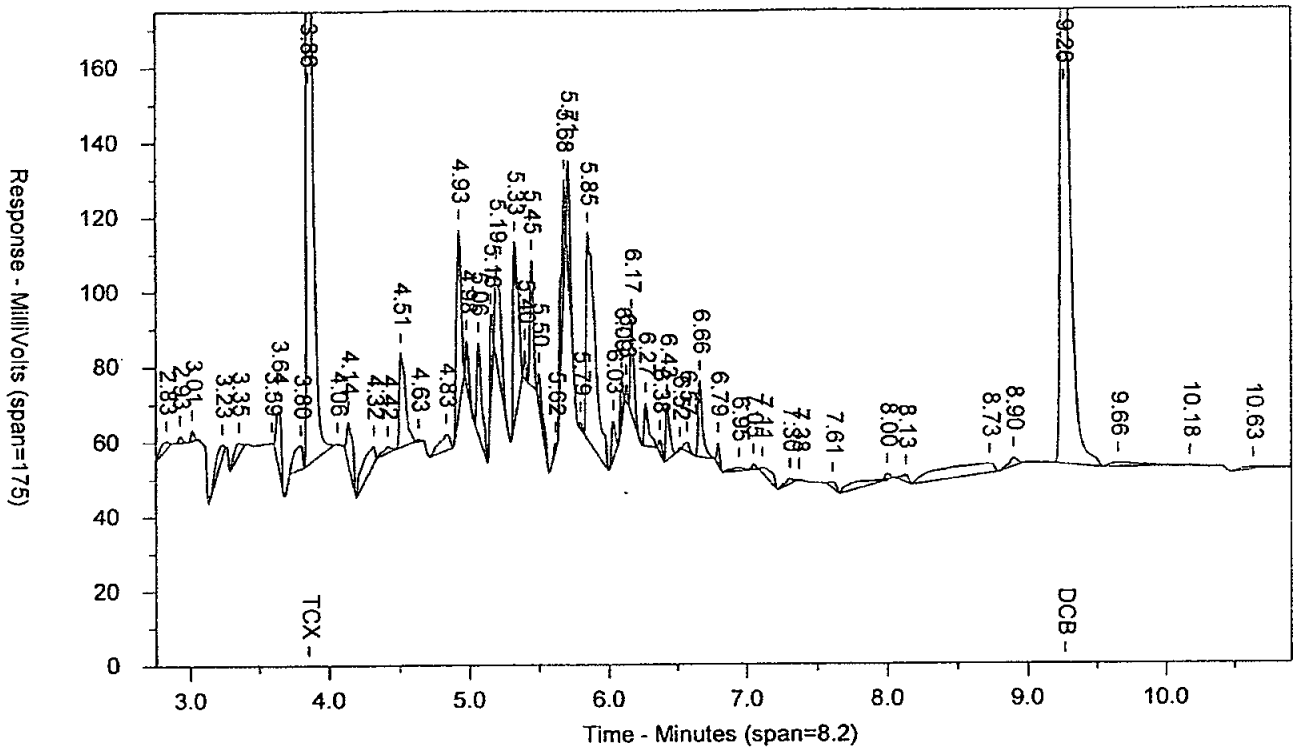

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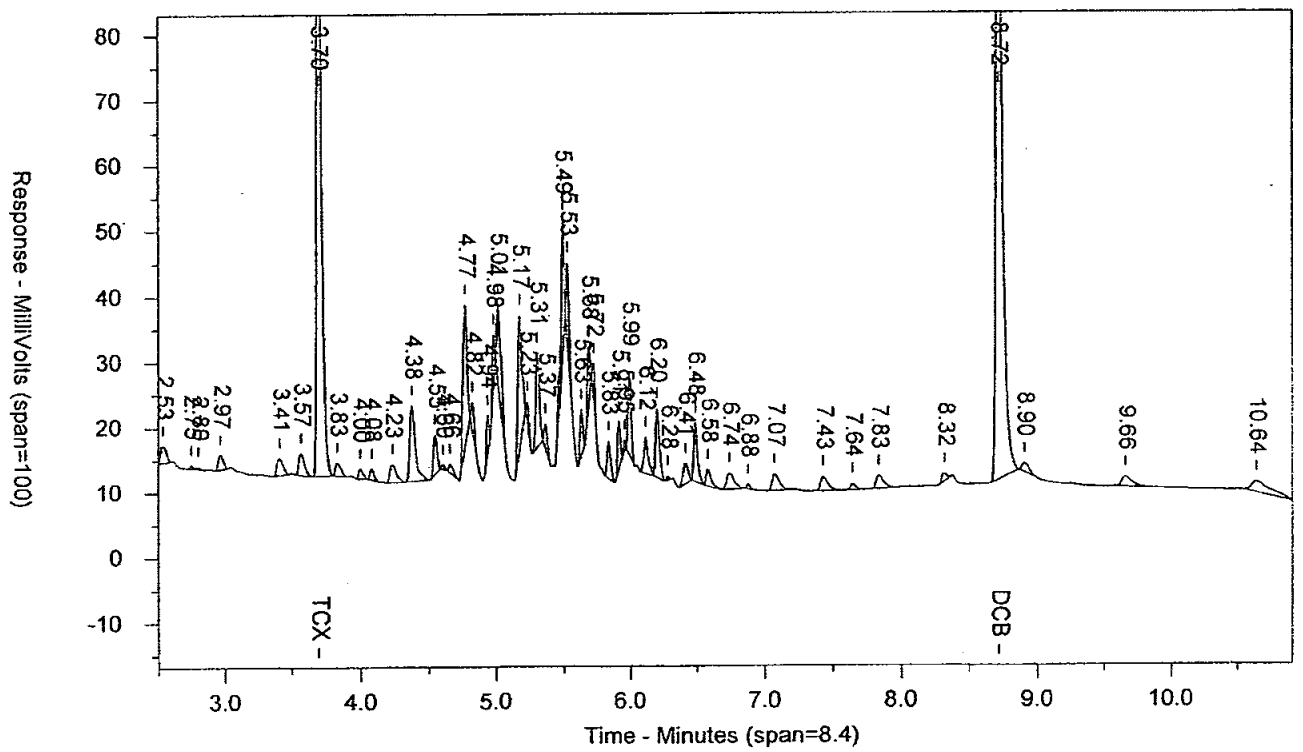

ASX67 0870

LANCASTER LABORATORIES

Sample Number: IC48X1224A CCIC48XCC CCAL 1218999999
Injected On: 7/8/2012 11:40:38 PM
Instrument ID: CP7-5088A
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: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.858	366433	34.297	TCX	3.696	146682	39.824	TCX
9.265	207835	38.576	DCB	8.716	136412	35.98	DCB

Files:
Area File: 1p7190.033.RAW
Area File: 1p7190B.033.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/8/2012 11:51:33 PM
File Reported On: 7/8/2012 at 11:51:37 PM

ASX67 0871

IC48X1224A CCIC48XCC CCAL 1218999999

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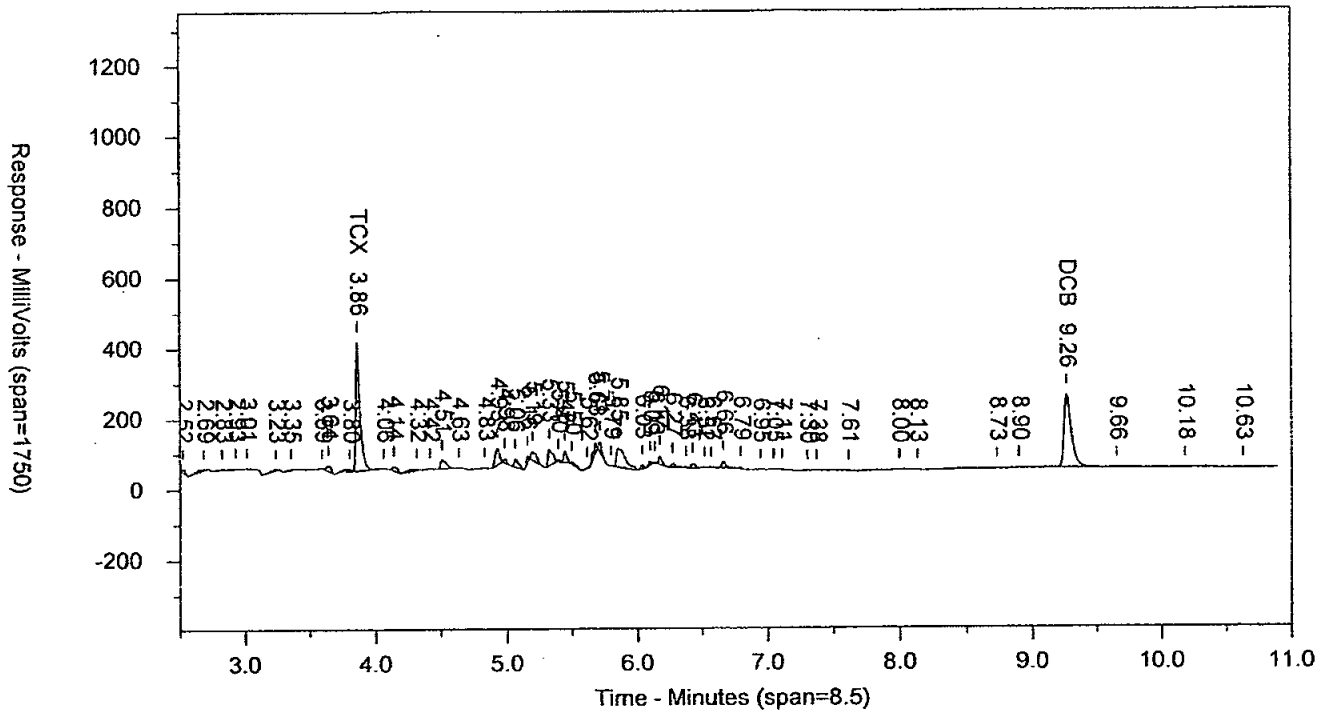

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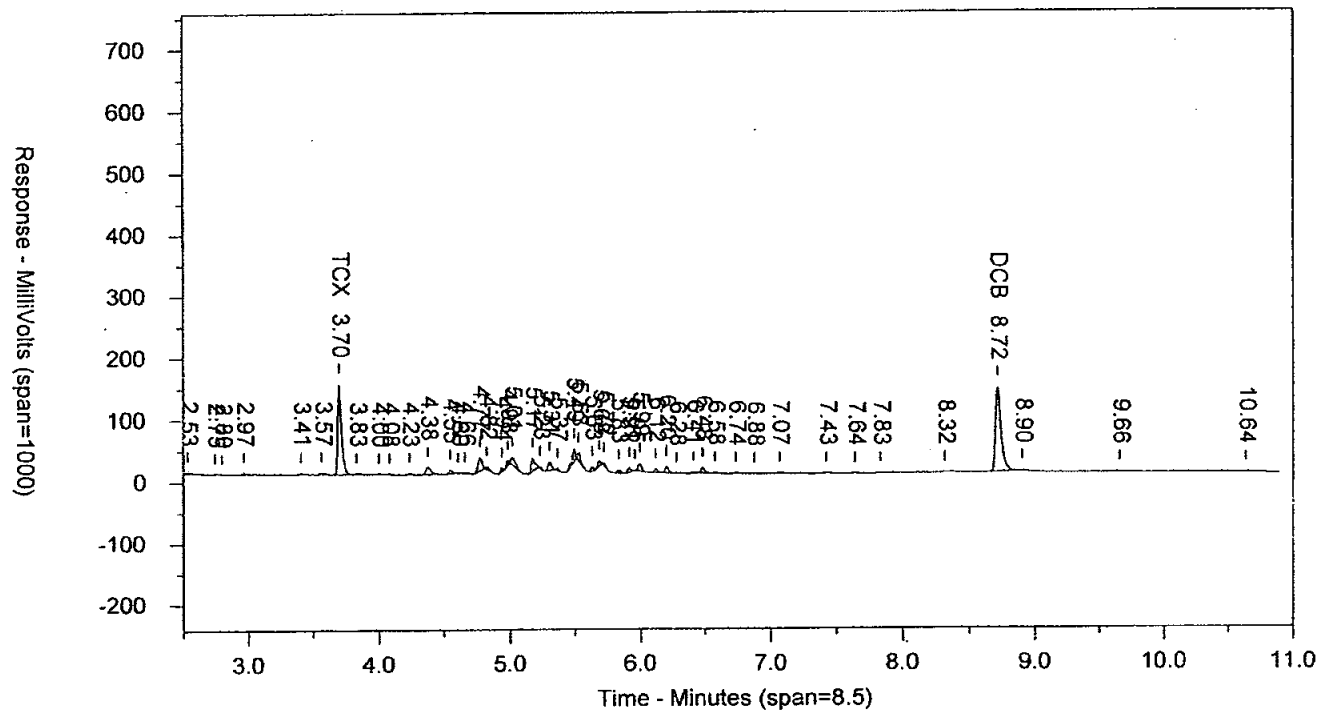


ASX67 8872

LANCASTER LABORATORIES

Sample Number: IC54X1224A AAIC54XAA CCAL 1218999999 Injection VolumeSW846 8082
Injected On: 7/8/2012 11:55:22 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190.034.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.528		2987	7711
1.77		897	2825
1.878		511	1407
2.058		292	541
2.156		804	4940
2.744		188	441
2.835		471	1582
2.924		2283	4018
3.01		2668	4314
3.061		553	815
3.346		863	4120
3.554		241	1215
3.592		325	306
3.636		9689	28314
3.854	TCX	394359	852217
4.131		5725	9716
4.204		737	1534
4.313		734	1146
4.505		1025	2451
4.668		1255	3361
4.753		486	797
4.819		1023	4150
4.931		1820	4261
4.981		630	934
5.057		1571	4143
5.151		47900	159070
5.322		28056	68848
5.443		9680	16331
5.604		1386	1827
5.652		28534	33955
5.672		8719	8366
5.795		12321	17260
5.849		73716	120328
5.888		12884	17594
5.97		2905	3609
6.027		27161	48497
6.09		46557	102218
6.165		86128	176986
6.267		9567	12149
6.316		32187	81046
6.423		76865	190073
6.567		50811	158654
6.658		53557	103952
6.745		3850	5550
6.794		79310	232899
6.915		1310	2398
7.046		26009	71806
7.137		1742	2482
7.188		1722	2673
7.298		14507	30462
7.375		9733	19622
7.684		9683	35553
7.996		1671	4569

ASX67 8823

RT A	Compound A	Height A	Area A
8.098		359	576
8.349		422	4181
8.458		415	1131
8.756		147	1820
8.896		1727	5151
9.259	DCB	210813	863151
10.007		150	1225
10.168		242	853

ASX67 0874

LANCASTER LABORATORIES

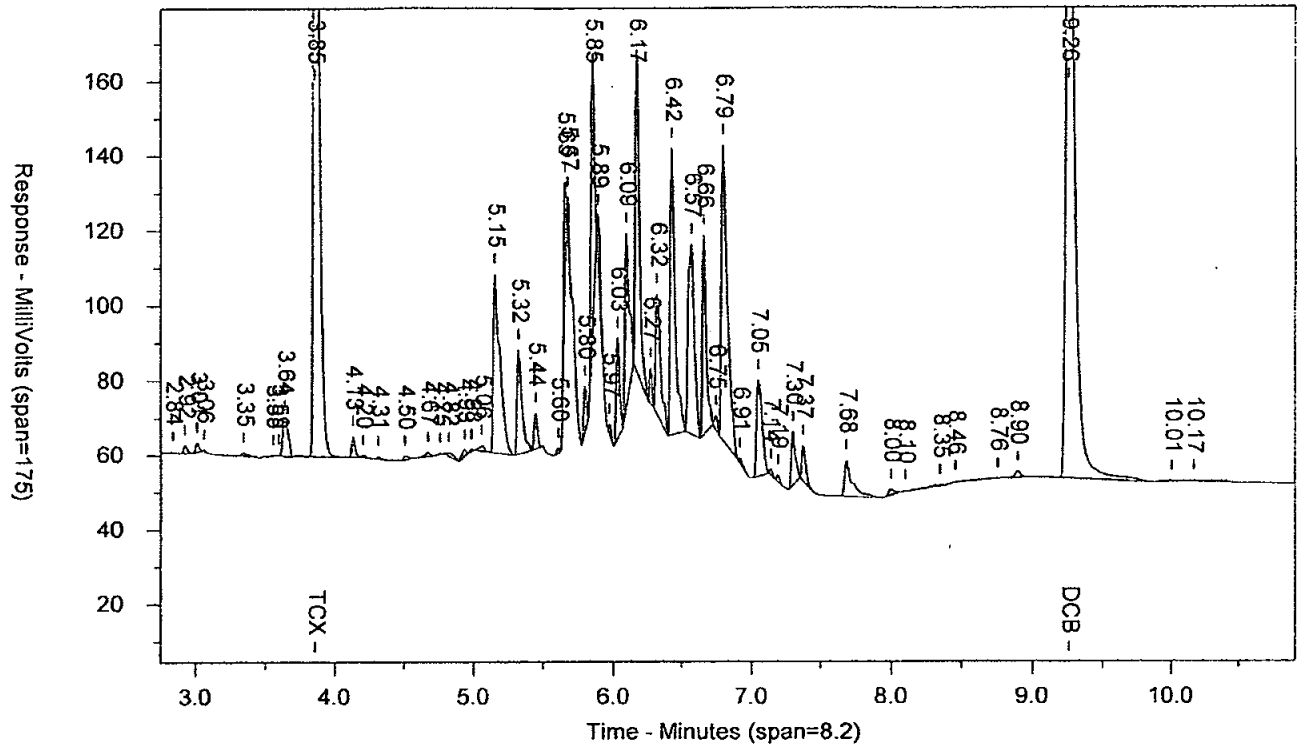
Sample Number: IC54X1224A AAIC54XAA CCAL 1218999999 Injection Volume: 1 SW-846 8082
Injected On: 7/8/2012 11:55:22 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 1p7190B.034.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.593		20692	234120
2.74		547	969
2.796		468	934
3.087		267	1911
3.414		429	1674
3.564		3908	11665
3.692	TCX	151304	299042
3.994		1612	3188
4.378		576	1446
4.452		263	802
4.649		374	903
4.765		796	1589
4.977		22636	70373
5.168		12431	31317
5.303		3976	7328
5.419		399	535
5.489		45896	93583
5.572		4970	6640
5.625		32290	46568
5.67		6050	6176
5.697		4654	7469
5.782		1753	2262
5.83		15206	29114
5.907		27238	40930
5.987		58056	130926
6.109		27092	59835
6.197		38316	81376
6.279		23375	49240
6.413		24354	44329
6.479		21054	30842
6.521		2555	2715
6.575		45964	118449
6.737		519	747
6.799		1971	2923
6.876		13224	30267
6.972		618	1256
7.063		10553	34209
7.412		6125	14851
7.638		1060	3226
7.83		541	2209
7.998		272	565
8.372		1050	3884
8.711	DCB	139679	434486
9.66		273	1759
10.633		529	8586

ASX67 0875

IC54X1224A AAIC54XAA CCAL 1218999999 SW-846 8082

—— \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\1p7190.034.RAW



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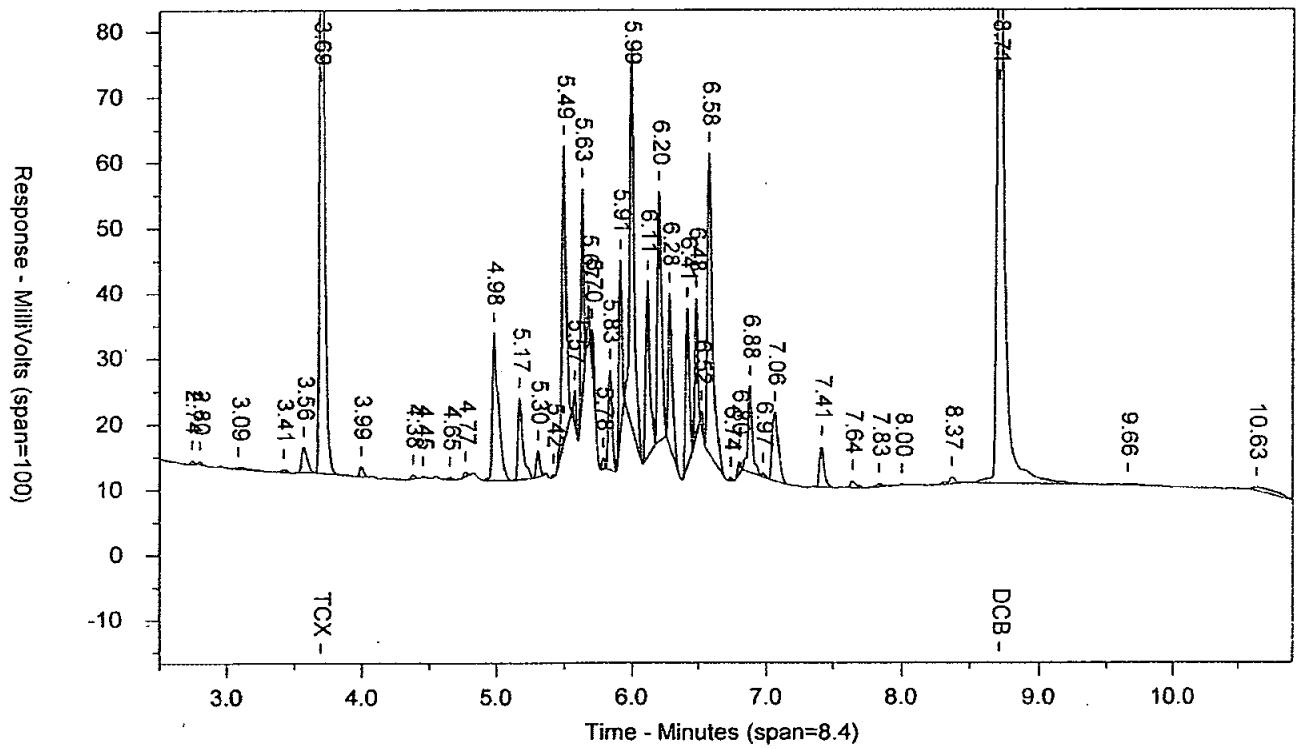

ASX67 8876

LANCASTER LABORATORIES

Sample Number: IC54X1224A AAIC54XAA CCAL 1218999999
Injected On: 7/8/2012 11:55:22 PM
Instrument ID: CP7-5088A
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: SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.854	394359	36.911	TCX	3.692	151304	41.079	TCX
9.259	210813	39.199	DCB	8.711	139679	36.842	DCB

Files:
Area File: 1p7190.034.RAW
Area File: 1p7190B.034.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/9/2012 12:06:18 AM
File Reported On: 7/9/2012 at 12:06:27 AM

ASX67 0877

IC54X1224A AAIC54XAA CCAL 1218999999 SW-846 8082

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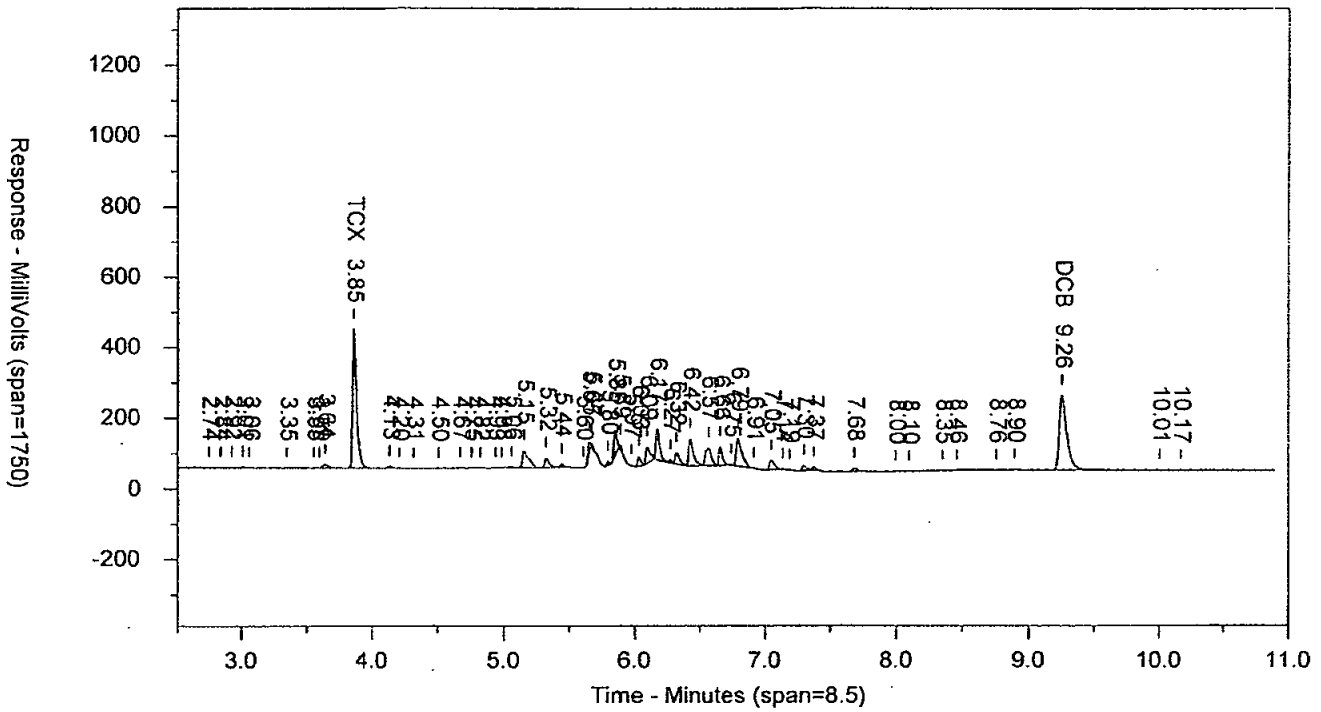

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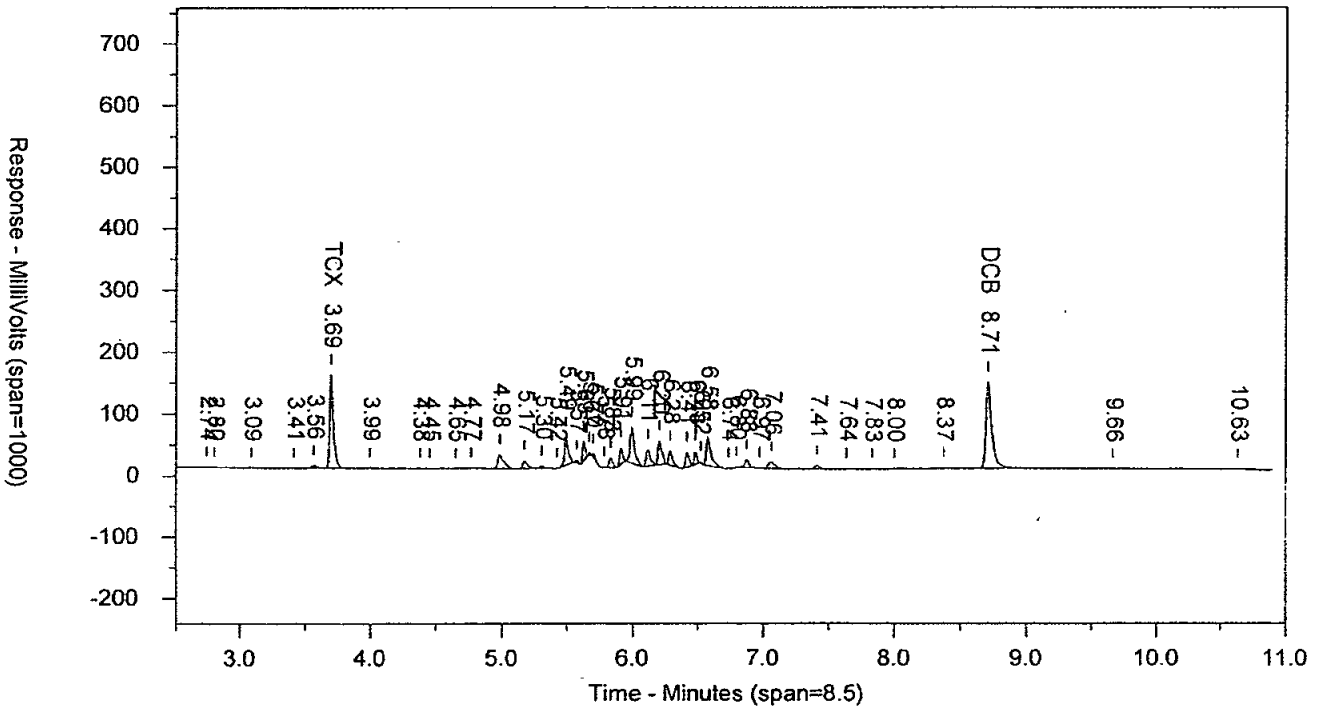

ASX67 8878

LANCASTER LABORATORIES

Sample Number: AR1631224B TWAR163TW CCAL 1219799999 Injection Volume: SW-846 8082
Injected On: 7/16/2012 7:24:00 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190.005.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
2.124		618	5570
2.584		126	315
2.712		170	392
2.786		226	778
2.92		2344	3994
3.004		1076	1761
3.057		643	854
3.273		155	312
3.355		1196	5511
3.496		355	717
3.629		3342	12165
3.745		217	411
3.85	TCX	391020	839987
4.052		7096	14124
4.13		12668	22364
4.199		40475	86832
4.33		4926	10321
4.499		15892	20469
4.518		10010	12442
4.618		1653	1638
4.663		45454	95733
4.765		593	648
4.835		12994	34755
4.917		91031	199986
4.971		34191	56263
5.055		39077	73590
5.146		18556	23701
5.186		21422	63026
5.318		34093	88722
5.388		5313	5329
5.437		29297	52208
5.489		4794	6573
5.601		833	1058
5.648		34151	128008
5.79		2796	4032
5.846		32207	82738
6.02		1236	2330
6.105		11310	24100
6.159		10713	15898
6.223		23915	68476
6.31		57385	142740
6.44		7803	17806
6.482		7811	12160
6.546		72002	233239
6.652		25560	52991
6.745		3242	3678
6.788		77314	167127
6.862		30213	46542
6.911		16426	26717
7.06		48378	120718
7.133		15521	24466
7.18		6950	10261
7.293		13669	25987

ASX67 0879

RT A	Compound A	Height A	Area A
7.369		106332	302100
7.586		207	340
7.674		53700	106451
7.755		15169	39998
7.985		4218	11831
8.094		1116	2108
8.137		8327	17670
8.443		25950	68903
8.534		804	1479
8.885		11041	34305
9.083		432	2195
9.245	DCB	207087	801933
10.018		357	3140
10.149		218	888

ASX67 0880

LANCASTER LABORATORIES

Sample Number: AR1631224B TWAR163TW CCAL 1219799999 Injection Volume: 1 ul SW-846 8082
Injected On: 7/16/2012 7:24:00 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190B.005.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.589		114697	1137933
2.793		615	1273
2.888		192	438
3.063		329	1480
3.417		329	1351
3.558		1022	2786
3.689	TCX	150417	296477
3.913		2581	5340
3.997		4352	8784
4.074		15664	34085
4.233		2005	4496
4.372		26508	75733
4.541		19668	45458
4.67		5710	16952
4.764		43247	85639
4.817		13261	23202
4.929		13718	19084
4.972		6044	6843
5.007		10652	24226
5.166		15297	32199
5.299		13461	26455
5.36		3130	4785
5.486		19432	49568
5.623		14127	27992
5.824		577	1126
5.904		2263	3449
5.995		23895	93897
6.102		34867	71734
6.222		6385	10730
6.275		41627	84967
6.411		37972	72705
6.477		1434	1543
6.523		6365	8421
6.57		24762	32456
6.601		10961	13748
6.65		8189	11558
6.783		3781	6982
6.838		25395	55378
6.927		10697	15561
6.967		1716	1519
7.064		65228	138907
7.342		13858	24738
7.408		46882	106060
7.632		2046	4020
7.697		635	907
7.821		7580	17788
7.991		17833	61021
8.365		7491	24884
8.617		521	4034
8.702	DCB	137888	388640
9.621		406	1572
10.583		595	4534

ASX67 0881

AR1631224B TWAR163TW CCAL 1219799999 SW-846 8082

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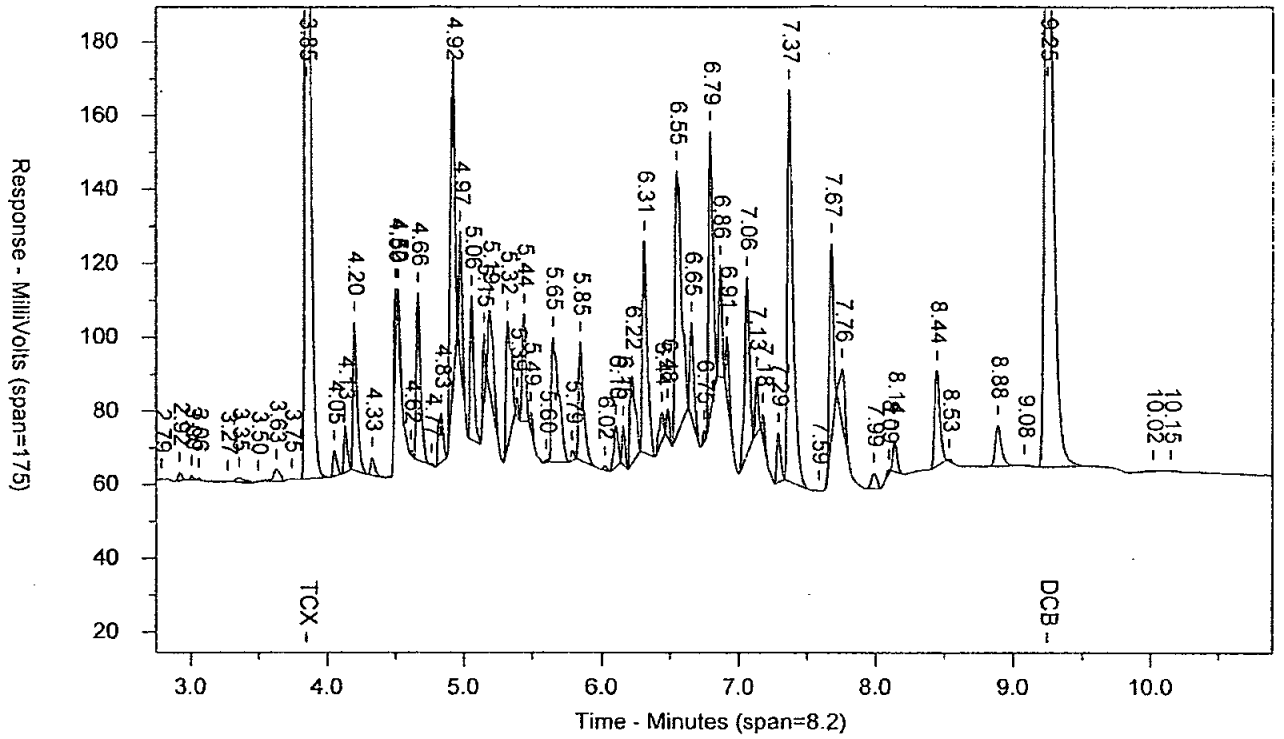

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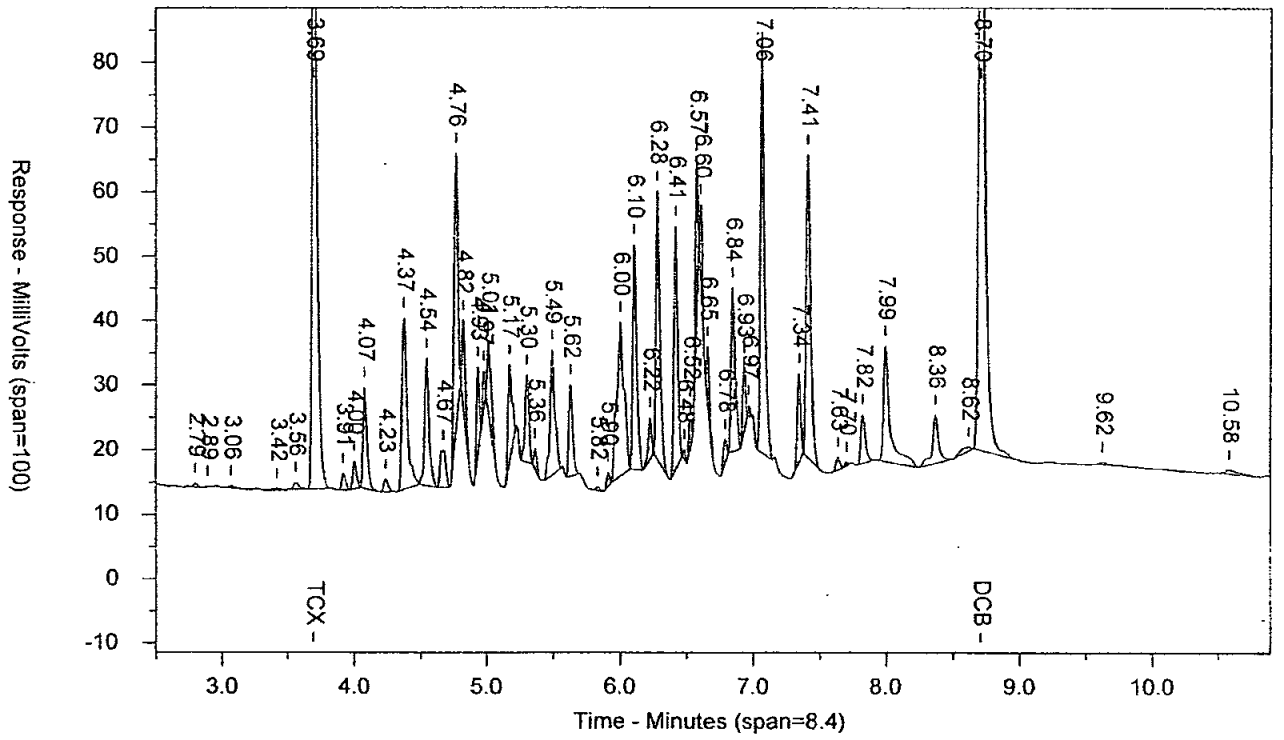

ASX67 8882

LANCASTER LABORATORIES

Sample Number: AR1631224B TWAR163TW CCAL 1219799999
Injected On: 7/16/2012 7:24:00 PM
Instrument ID: CP7-5088A
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 SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.85	391020	36.598	TCX	3.689	150417	40.838	TCX
9.245	207087	38.42	DCB	8.702	137888	36.369	DCB

Files:
Area File: 6p7190.005.RAW
Area File: 6p7190B.005.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/16/2012 7:34:42 PM
File Reported On: 7/16/2012 at 7:35:02 PM

ASX67 0883

AR1631224B TWAR163TW CCAL 1219799999 SW-846 8082

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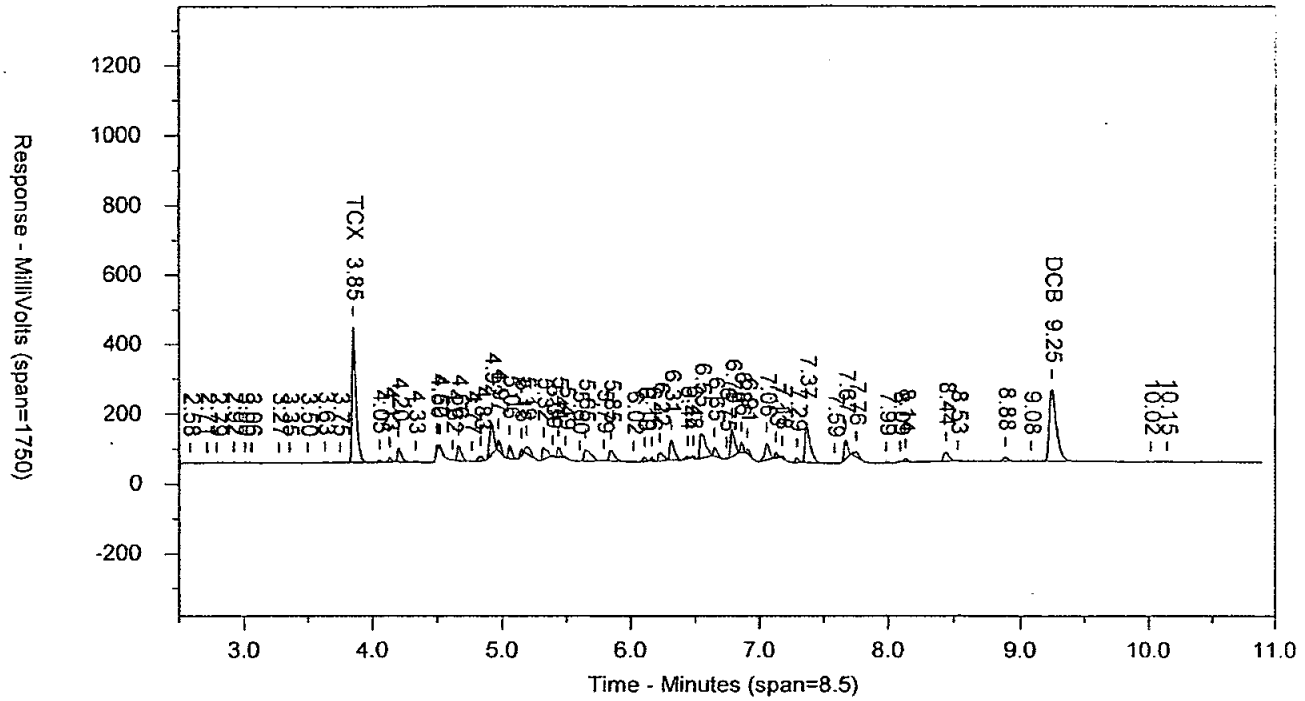

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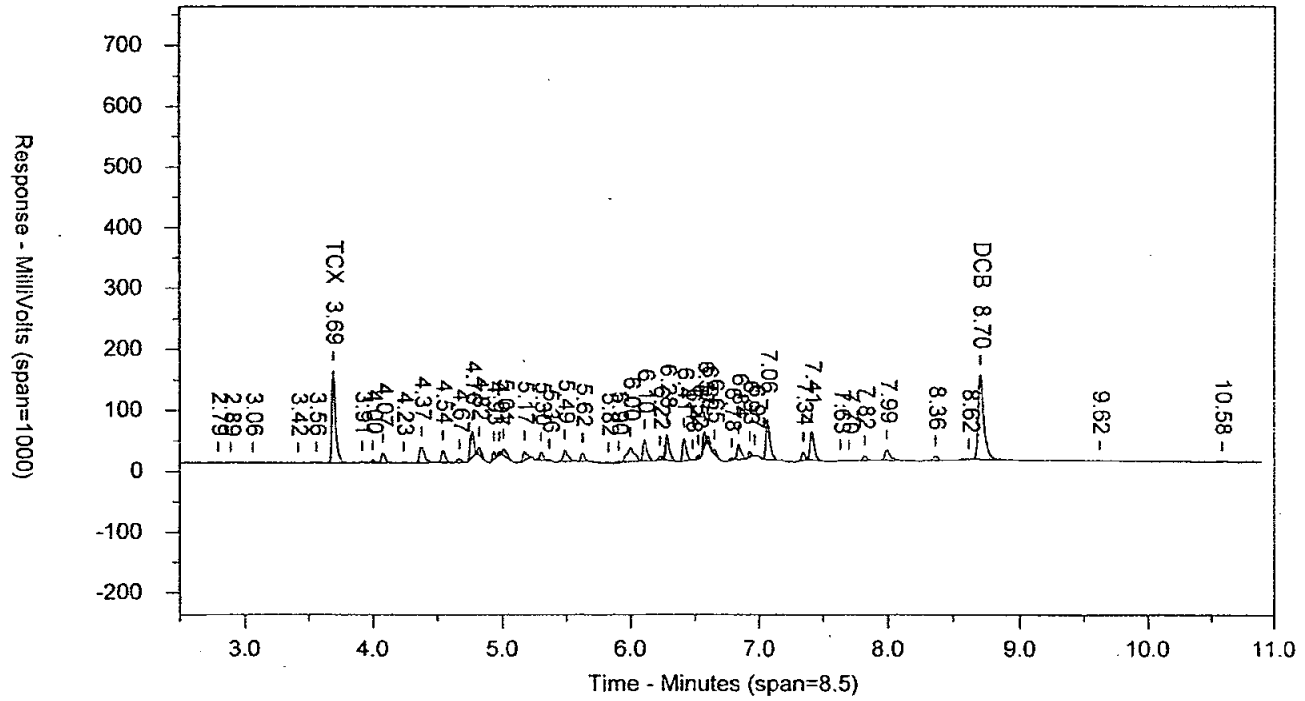

ASX67 0884

LANCASTER LABORATORIES

Sample Number: IBLKX1224C LOPIBLKLO PIBLK1219799999 Injection VolumeSW846 8082
Injected On: 7/16/2012 7:38:45 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190.006.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.517		992	2136
1.77		1632	7861
2.158		3904	43593
2.429		3270	23427
2.671		814	8478
2.731		1667	4474
2.835		1470	6604
2.923		1096	1848
3.007		4123	15602
3.271		390	6922
3.349		616	1622
3.423		345	734
3.627		6952	40675
3.746		971	2618
3.853	TCX	205501	427837
4.129		4113	13968
4.265		428	3125
4.311		337	518
4.636		1791	8025
4.835		426	8391
4.88		1626	2529
5.029		2814	20704
5.197		1290	9900
5.463		311	806
5.529		1619	3705
5.627		1374	6373
5.689		1025	1656
5.846		1625	21082
6.082		2009	20741
6.445		10667	38012
6.711		3285	27550
6.938		3090	52521
7.438		310	6867
7.616		952	4262
7.676		506	780
7.991		2438	25153
8.123		1317	6926
8.723		1128	45766
8.889		1102	6170
9.251	DCB	111168	423377
9.606		325	2099
10.548		418	4997

ASX67 9885

LANCASTER LABORATORIES

Sample Number: IBLKX1224C LOPIBLKLO PIBLK1219799999 Injection Volume: 1 SW-846 8082
Injected On: 7/16/2012 7:38:45 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190B.006.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

RT B	Compound B	Height B	Area A
1.594		21088	225548
2.741		715	1311
2.889		185	454
3.068		346	2364
3.403		691	3623
3.561		1558	5494
3.692	TCX	74522	147558
3.992		822	1877
4.221		462	1186
4.452		269	1094
4.598		565	1001
4.653		974	1954
4.834		449	1789
4.971		1430	5235
5.263		604	1611
5.337		1400	4726
5.696		1602	6643
5.958		5059	11985
6.047		1245	3049
6.252		337	1319
6.395		1780	6105
6.73		1655	4633
7.063		1679	5979
7.416		1547	5034
7.638		419	847
7.818		1413	4098
8.18		219	3629
8.294		1192	3126
8.706	DCB	73918	205023
8.878		1040	3297
9.219		639	5261
9.623		1207	8653
10.588		1320	14189

ASX67 0886

IBLKX1224C LOPIBLKLO PIBLK1219799999 SW-846 8082

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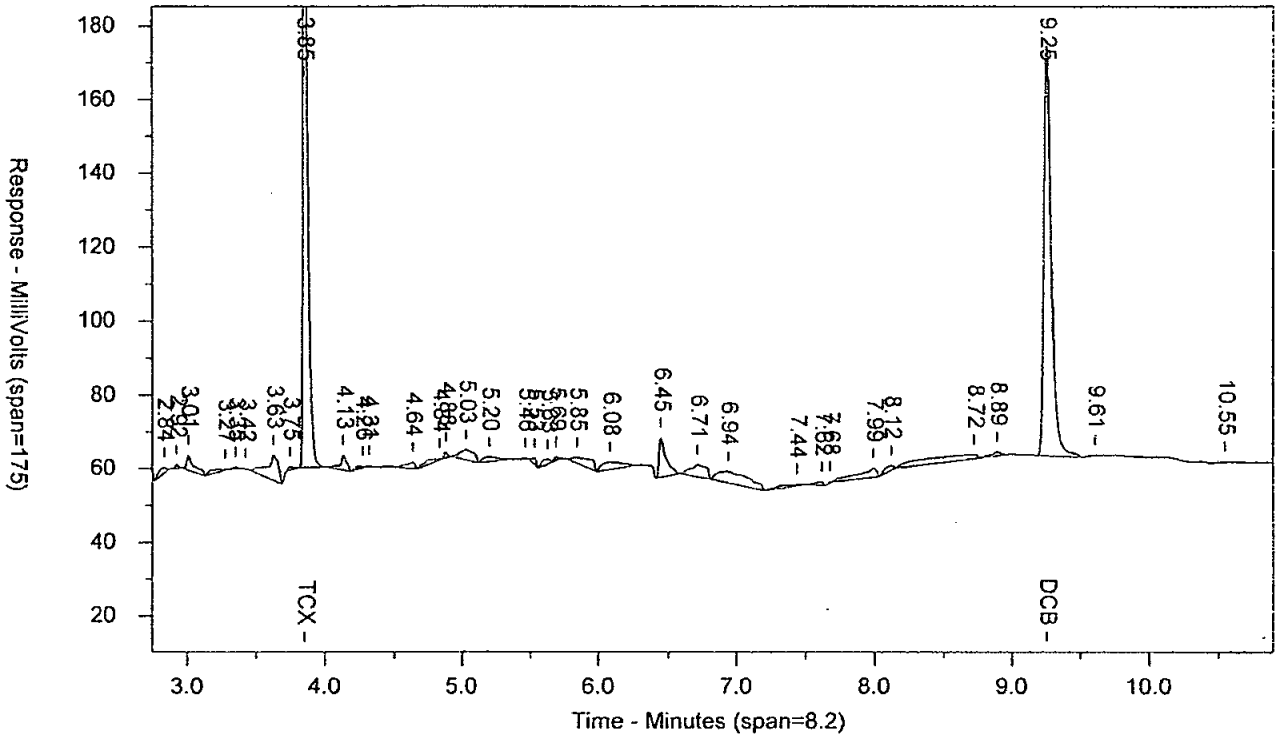

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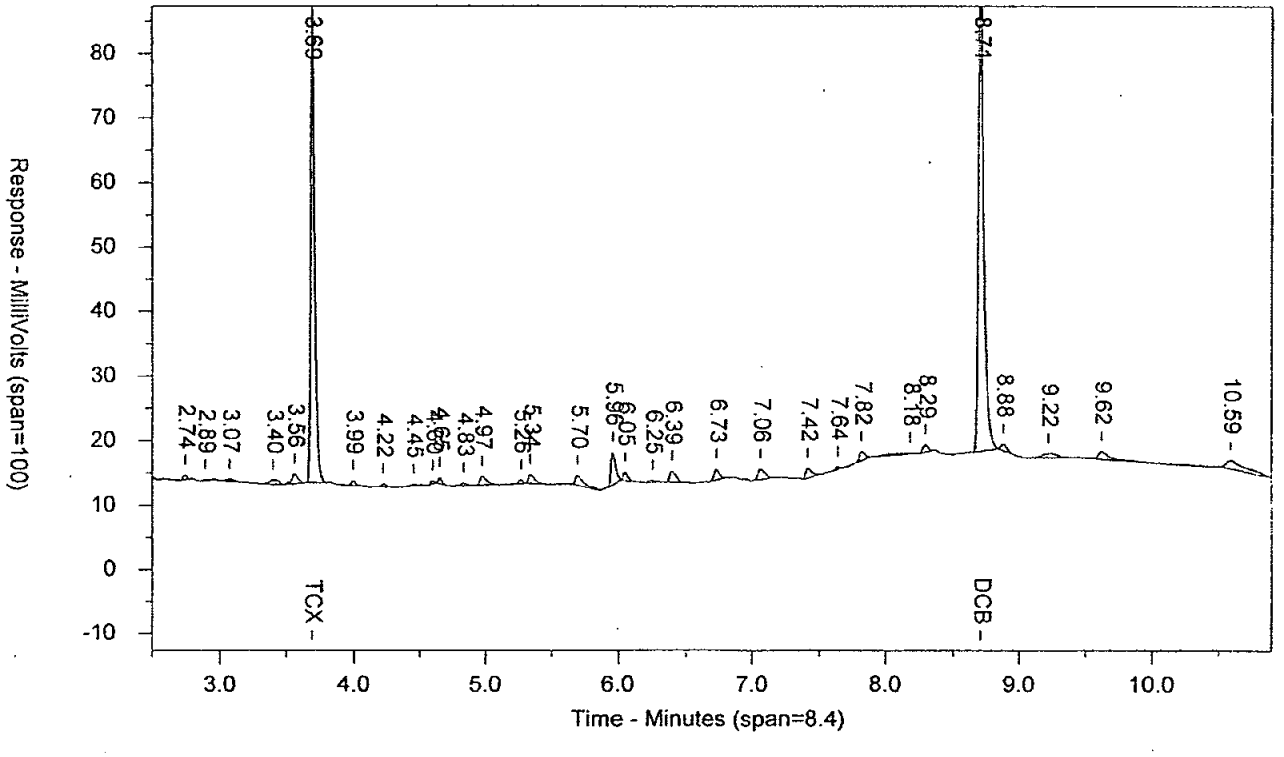

ASX67 8887

LANCASTER LABORATORIES

Sample Number: IBLKX1224C LOPIBLKLO PIBLK1219799999 Sample Weight: 8082
Injected On: 7/16/2012 7:38:45 PM Dilution Factor: 10
Instrument ID: CP7-5088A
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: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.853	205501	.192	TCX	3.692	74522	.202	TCX
9.251	111168	.184	DCB	8.706	73918	.195	DCB

Files:
Area File: 6p7190.006.RAW
Area File: 6p7190B.006.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/16/2012 7:49:27 PM
File Reported On: 7/16/2012 at 7:49:44 PM

ASX67 8888

IBLKX1224C LOPIBLKLO PIBLK1219799999 SW-846 8082

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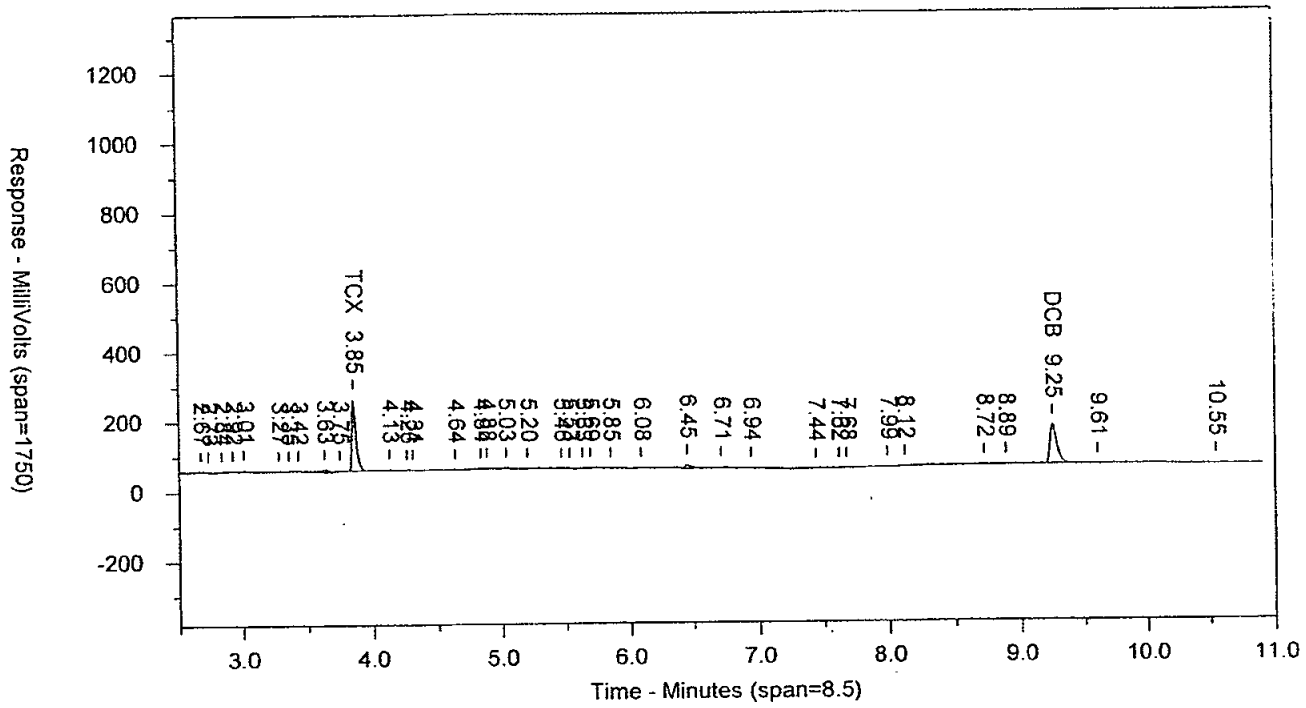

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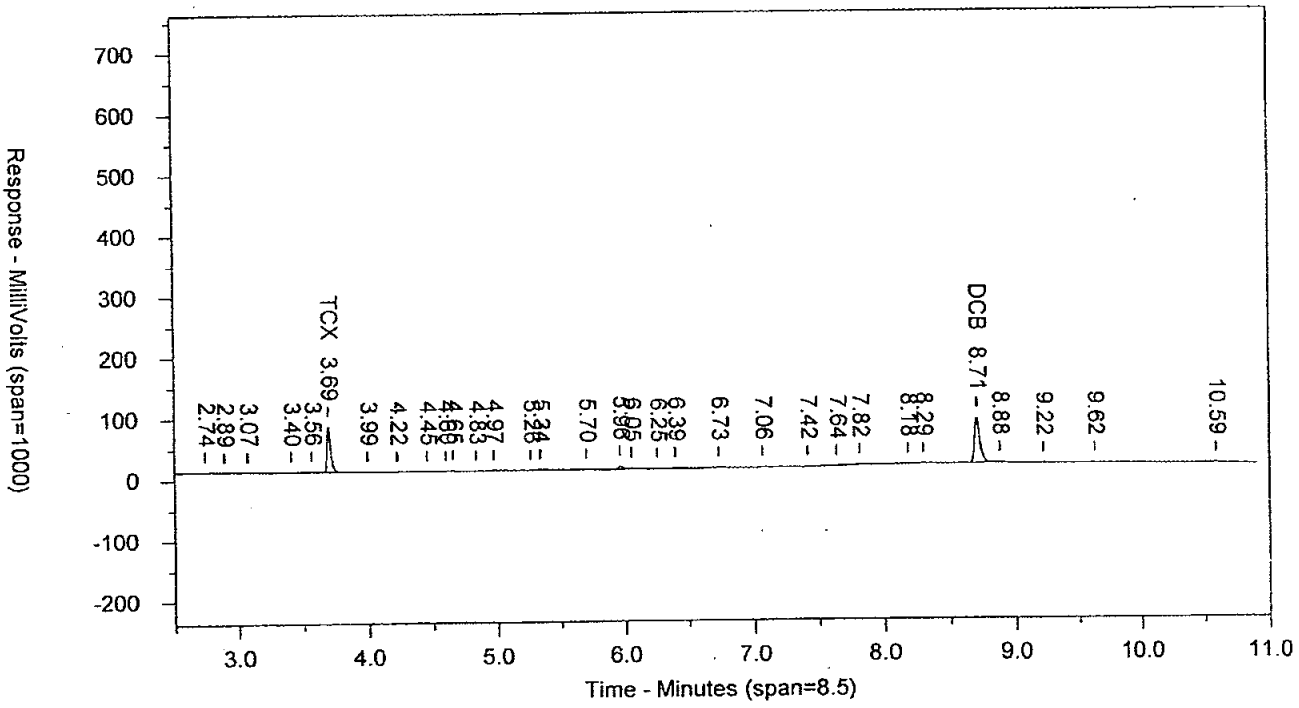

ASX67 9889

LANCASTER LABORATORIES

Sample Number: AR1631224B TXAR163TX CCAL 1219799999
Injected On: 7/16/2012 10:20:41 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190.017.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

Injection Volume: SW846 8082
Analyst: 2855

RT A	Compound A	Height A	Area A
2.053		363	693
2.15		632	4223
2.704		323	692
2.781		193	560
2.923		2298	3933
3.008		3864	6234
3.266		187	315
3.357		1123	4785
3.634		12413	37419
3.853	TCX	383405	828705
4.056		7037	14167
4.133		12616	22166
4.202		39725	86029
4.334		4981	10658
4.502		18389	20530
4.522		9957	12260
4.621		1669	1622
4.666		44731	94155
4.838		11321	30771
4.92		88488	193594
4.974		32990	54282
5.058		38654	72495
5.149		18063	23510
5.189		20888	61484
5.32		33916	88133
5.391		5265	5178
5.441		28455	51129
5.491		4797	6472
5.605		981	1171
5.65		35706	134519
5.793		2844	4073
5.848		32411	83594
6.023		1142	1993
6.108		11399	24110
6.163		11965	18275
6.224		28021	80748
6.312		60853	147232
6.442		7594	17515
6.485		8003	12557
6.549		72481	232983
6.655		26027	53909
6.748		3220	3470
6.792		76063	165373
6.865		30094	46501
6.914		16394	27155
7.062		48088	118849
7.136		15815	24912
7.184		7028	10291
7.296		13604	25786
7.373		104858	297064
7.677		52824	104991
7.76		15086	38042
7.989		4690	13501

ASX67 0899

RT A	Compound A	Height A	Area A
8.142		12733	47170
8.348		311	1401
8.447		25709	68153
8.54		877	1562
8.89		10786	32925
9.252	DCB	202816	815283
10.157		234	872

ASX67 8891

LANCASTER LABORATORIES

Sample Number: AR1631224B TXAR163TX CCAL 1219799999
Injected On: 7/16/2012 10:20:41 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190B.017.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 uSW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.595		109031	1085676
2.741		851	1472
2.795		544	1030
2.89		169	390
3.075		307	1793
3.418		240	761
3.563		4679	14111
3.692	TCX	151147	301530
3.916		2584	5360
4		4349	8824
4.077		15776	34671
4.236		2024	4634
4.375		26671	77644
4.544		19741	46146
4.672		5344	15476
4.766		43495	85739
4.82		13565	23524
4.931		13777	19467
4.975		5809	6578
5.009		10812	24967
5.169		15860	33247
5.302		13817	26945
5.362		3151	4854
5.488		19848	51045
5.625		14606	28858
5.828		627	1147
5.905		2393	3705
5.998		24190	95550
6.105		35521	72704
6.225		6520	11112
6.278		42426	86911
6.413		38441	73590
6.48		1523	1647
6.526		6420	8119
6.573		23516	30986
6.603		12125	14622
6.653		8819	12557
6.784		4143	7532
6.841		27000	58356
6.93		11271	16562
6.97		2956	8754
7.067		66644	142260
7.346		13961	24922
7.412		48015	107658
7.636		2141	4208
7.698		621	851
7.824		7527	17136
7.995		18333	47971
8.369		6910	17464
8.582		256	1374
8.707	DCB	139475	395335

ASX67 8892

AR1631224B TXAR163TX CCAL 1219799999 SW-846 8082

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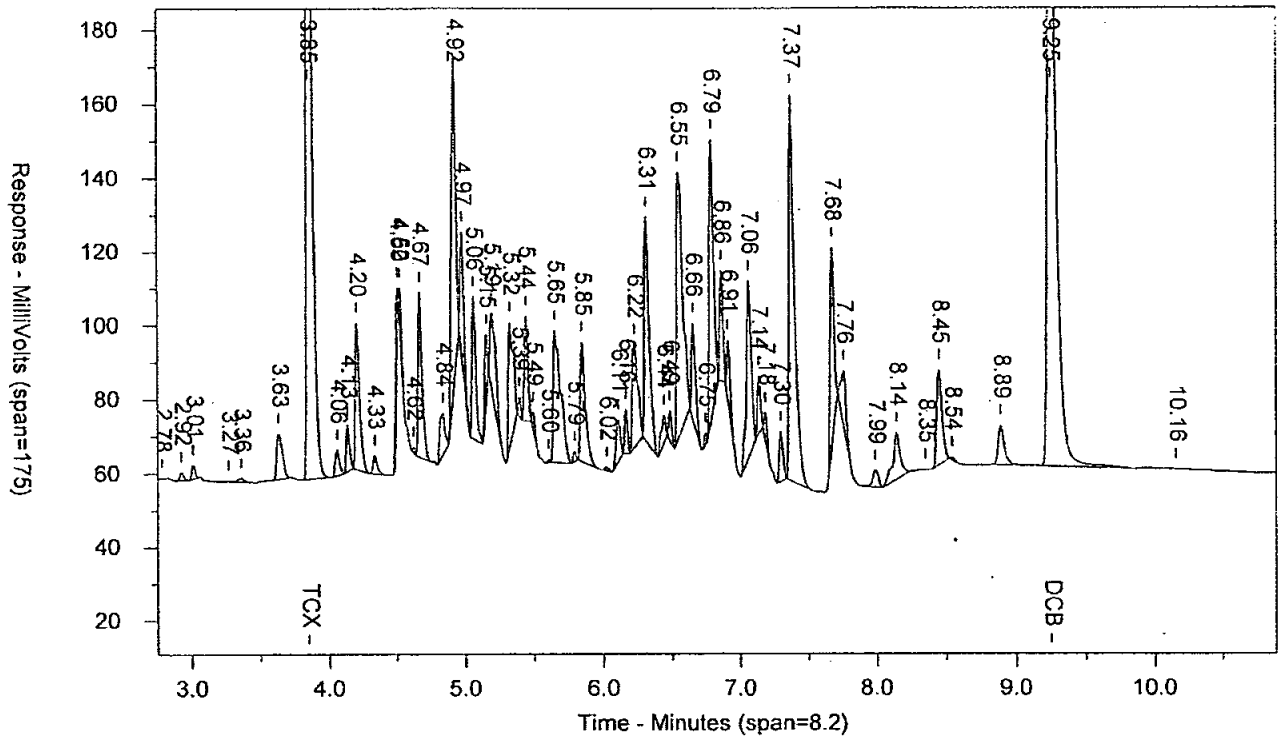

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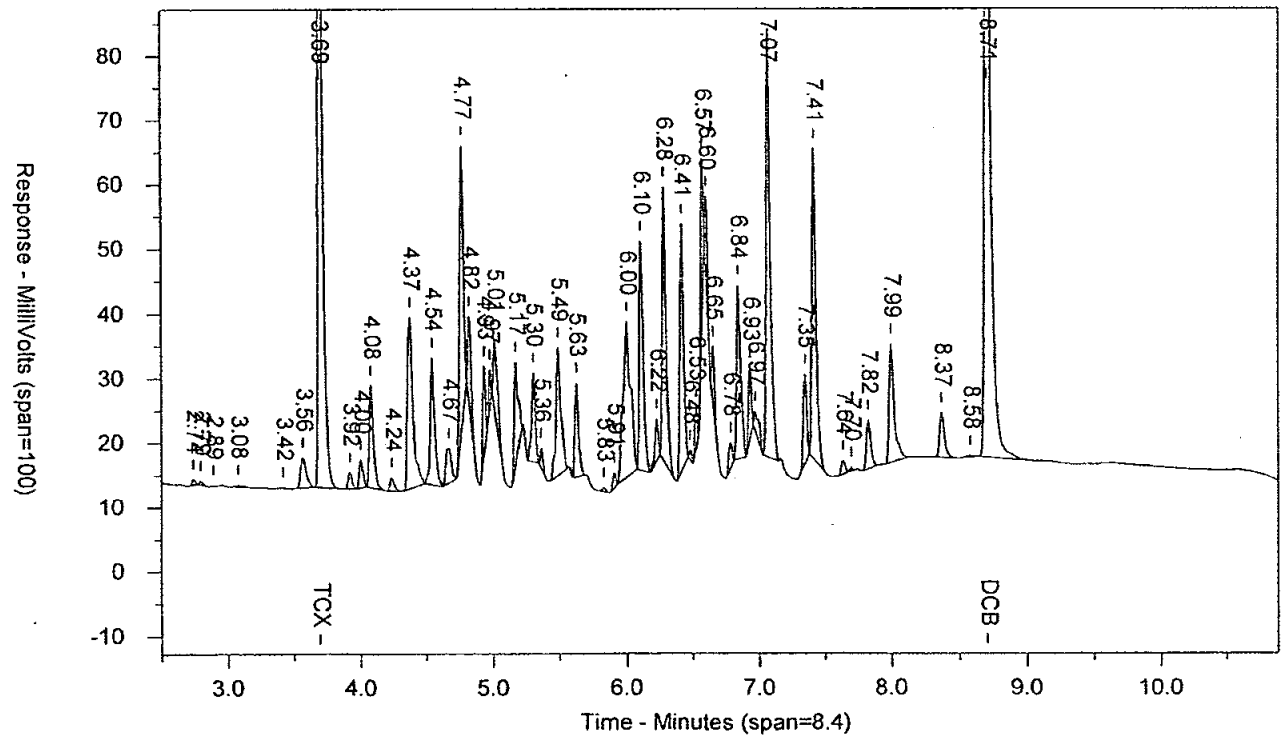

ASX67 8893

LANCASTER LABORATORIES

Sample Number: AR1631224B TXAR163TX CCAL 1219799999
Injected On: 7/16/2012 10:20:41 PM
Instrument ID: CP7-5088A
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: SW-846 8082
Dilution Factor: 1

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.853	383405	35.886	TCX	3.692	151147	41.036	TCX
9.252	202816	37.527	DCB	8.707	139475	36.788	DCB

Files:
Area File: 6p7190.017.RAW
Area File: 6p7190B.017.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/16/2012 10:31:22 PM
File Reported On: 7/16/2012 at 10:31:44 PM

ASX67 8894

AR1631224B TXAR163TX CCAL 1219799999 SW-846 8082

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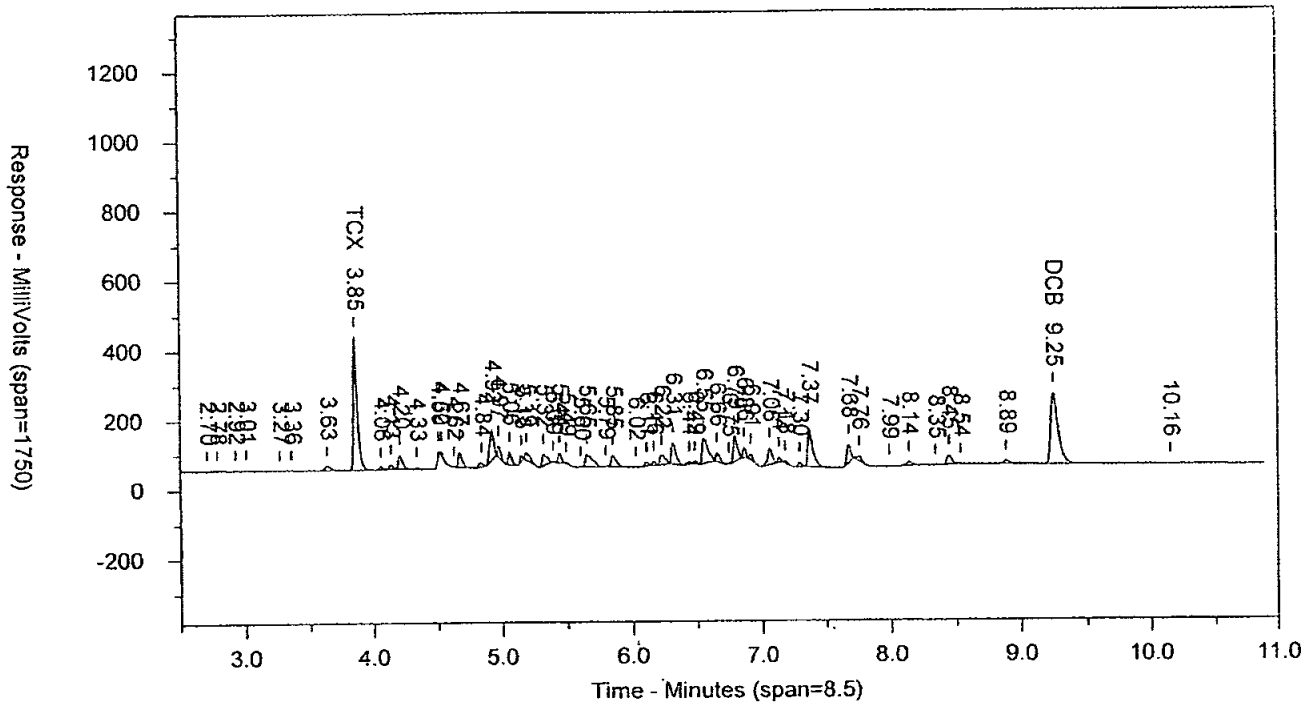

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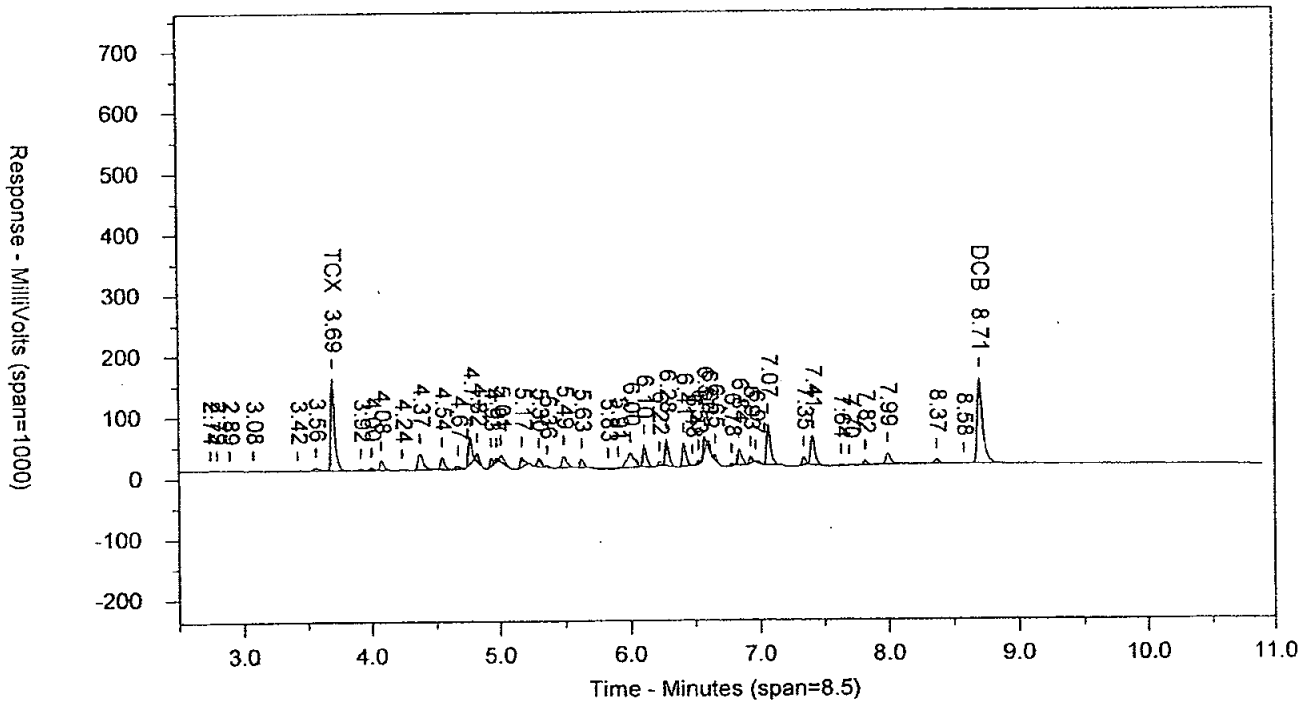

ASX67 0895

LANCASTER LABORATORIES

Sample Number: IBLKX1224C LPPIBLKLP PIBLK1219799999 Injection Volume SW-846 8082
Injected On: 7/16/2012 10:35:24 PM Analyst: 2855
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, 250c to 300c @20c/min, 300c for 4 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190.018.RAW
Method File: PESTDI7.MET
Calibration File: 1p7190.CAL

RT A	Compound A	Height A	Area A
1.711		789	1532
1.774		1841	7388
2.16		3948	44116
2.428		3237	23979
2.682		598	8126
2.745		1481	2907
2.833		1528	6526
2.925		1175	2074
3.008		3471	13632
3.268		519	6671
3.344		688	1853
3.63		10207	61247
3.752		1282	4169
3.853	TCX	211914	440276
4.13		4126	13703
4.264		529	3351
4.313		353	393
4.465		266	766
4.639		1790	8181
4.838		410	8713
4.88		2015	3344
5.029		2510	18722
5.199		1259	9180
5.463		323	640
5.53		1703	3664
5.626		1184	5799
5.688		1773	4305
5.85		1424	18912
6.08		865	6756
6.446		14260	53929
6.713		1753	12264
6.915		1443	10773
7.173		1278	3434
7.31		460	3604
7.591		840	3361
7.673		862	1279
7.992		3223	34173
8.126		1447	8365
8.713		1220	53561
8.888		1148	6028
9.251	DCB	115479	437725
9.608		344	2233
10.545		396	3800

ASX67 0896

LANCASTER LABORATORIES

Sample Number: IBLKX1224C LPPIBLKLP PIBLK1219799999
Injected On: 7/16/2012 10:35:24 PM
Instrument ID: CP7-5088A
Oven Parameters: 140c to 250c @ 25c/min, to 300c @ 20c/min, hold 4 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 6p7190B.018.RAW
Method File: PESTDI7B.MET
Calibration File: 1P7190b.CAL

Injection Volume: 1 SW-846 8082
Analyst: 2855

RT B	Compound B	Height B	Area A
1.598		20816	236000
2.742		596	1069
2.889		208	461
3.078		296	2105
3.408		714	3481
3.562		2182	7603
3.693	TCX	79470	155387
3.993		876	2002
4.221		489	1245
4.451		228	905
4.599		589	1030
4.653		1223	2420
4.835		295	781
4.971		1585	5772
5.264		929	2380
5.336		1463	4845
5.696		1742	8071
5.959		7218	16785
6.046		1311	3236
6.234		526	2137
6.395		1875	5802
6.731		1651	4606
6.96		456	1018
7.063		2041	8563
7.416		1686	5863
7.638		458	950
7.819		1384	4034
8.295		1202	3208
8.707	DCB	78269	213741
8.879		1040	3442
9.628		1182	5582
10.589		1266	14907

ASX67 9897

IBLKX1224C LPPIBLKLP PIBLK1219799999 SW-846 8082

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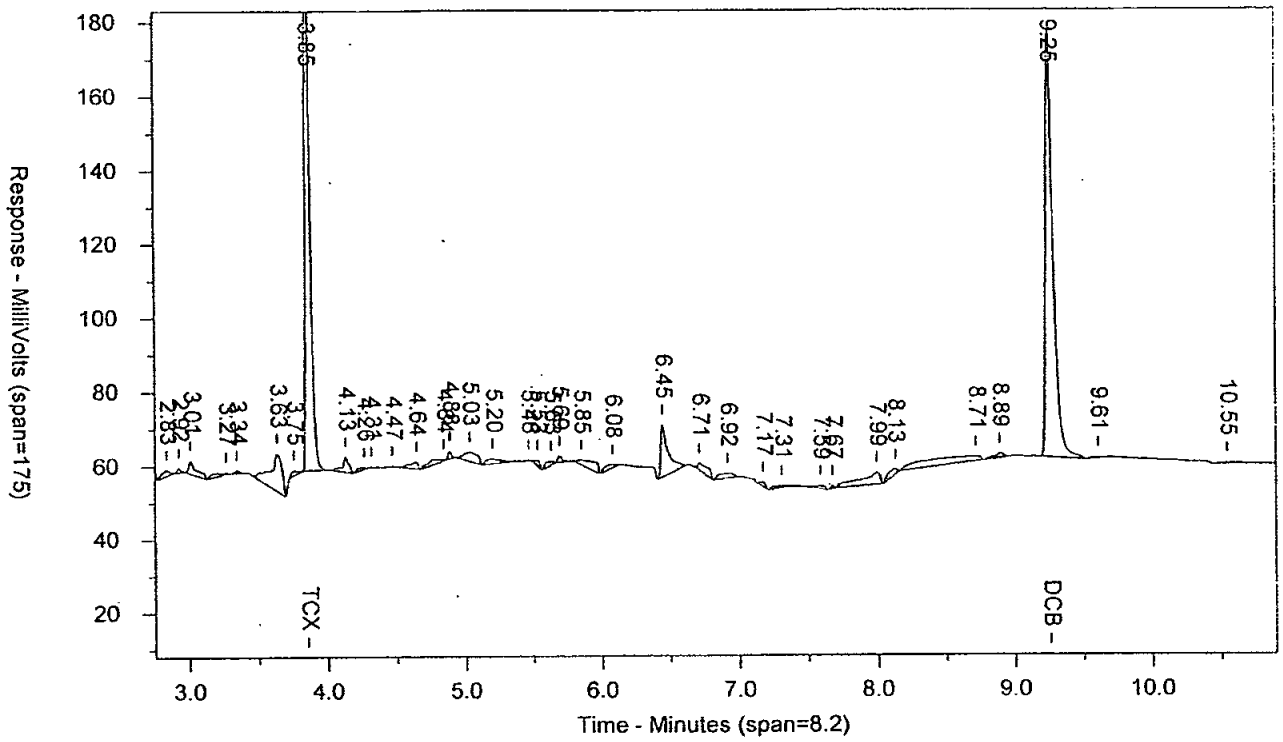

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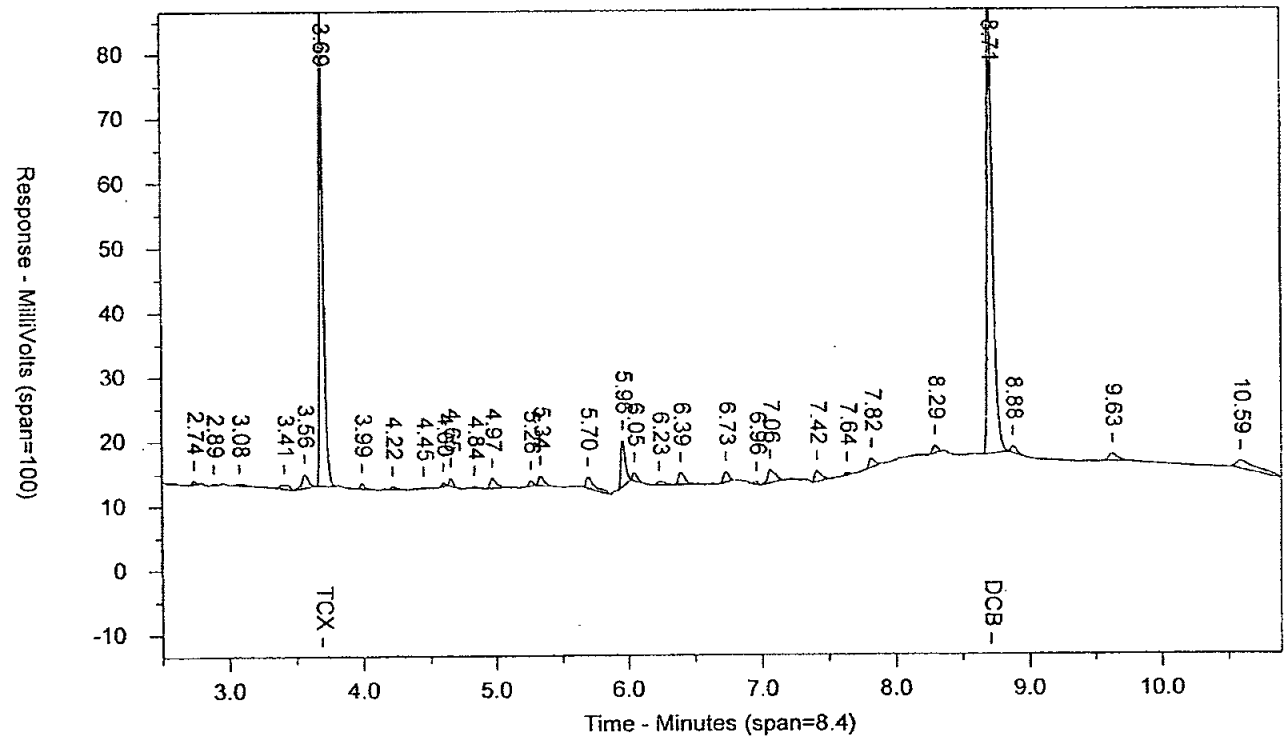

ASX67 8898

LANCASTER LABORATORIES

Sample Number: IBLKX1224C LPPIBLKLP PIBLK1219799999
Injected On: 7/16/2012 10:35:24 PM
Instrument ID: CP7-5088A
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: SW846 8082
Dilution Factor: 10

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.853	211914	.198	TCX	3.693	79470	.216	TCX
9.251	115479	.193	DCB	8.707	78269	.206	DCB

Files:
Area File: 6p7190.018.RAW
Area File: 6p7190B.018.RAW
Method A: PESTDI7.MET
Method B: PESTDI7B.MET
Calibration File A: 1p7190.CAL
Calibration File B: 1P7190b.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 7/16/2012 10:46:05 PM
File Reported On: 7/16/2012 at 10:46:24 PM

ASX67 8859

IBLKX1224C LPPIBLKLP PIBLK1219799999 SW-846 8082

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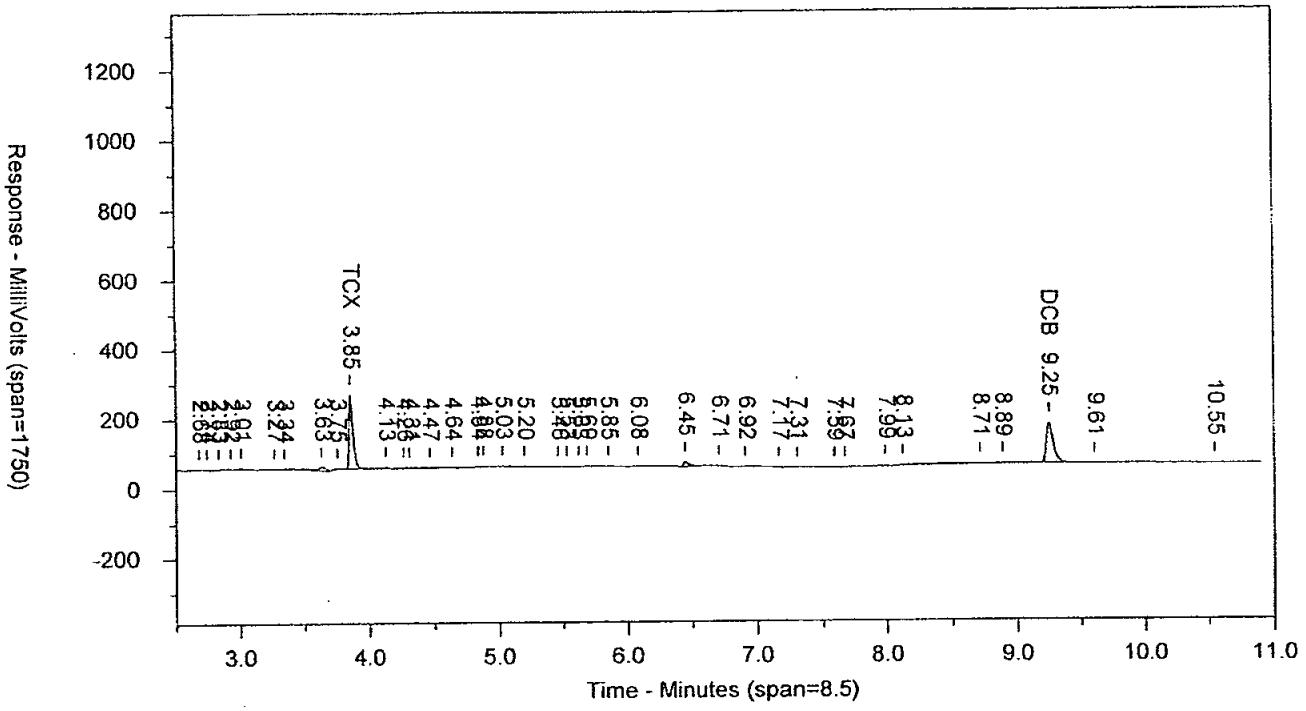

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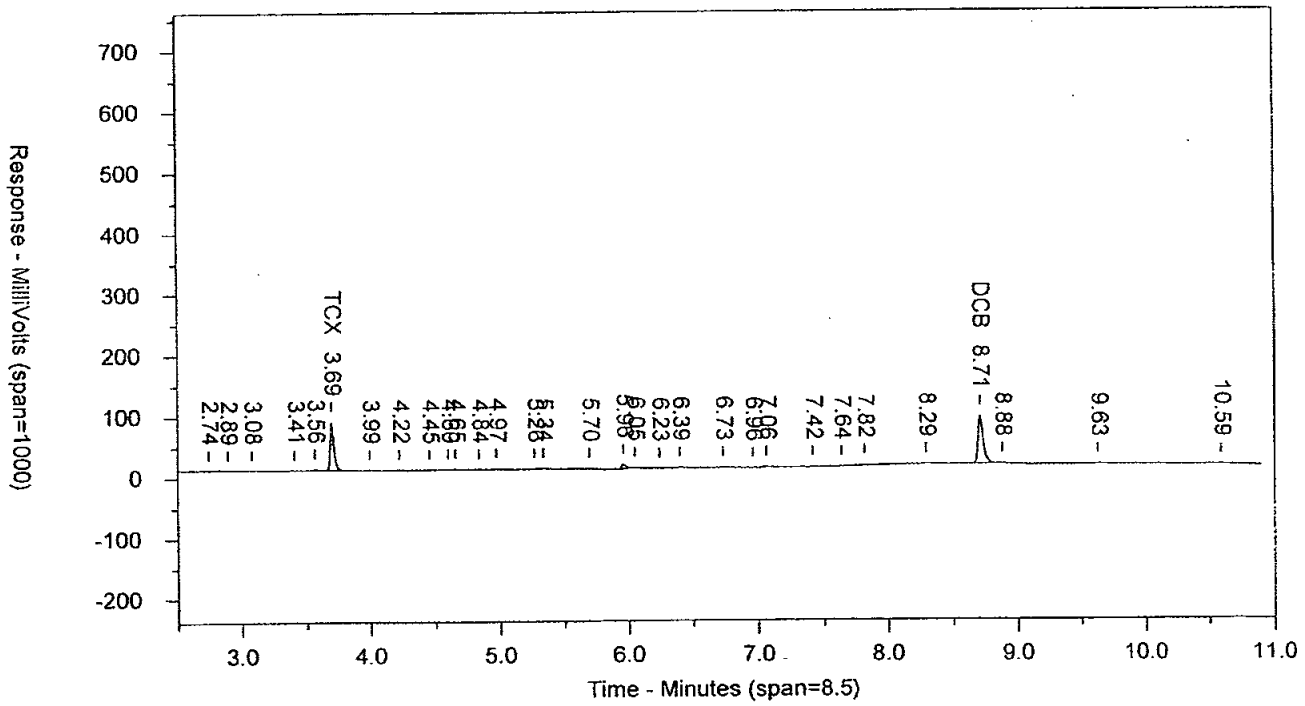

ASX67 8988

Raw QC Data

Data Summary

Sample Name: BLANKA 7/2/12 RI AC PBLK16184 BLK Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on Jul 10, 2012 19:00:08
Instrument 17342A
Result file 5P20188.0007.RAW
Calibration file 2P20188
Method file PESTDI20

%SSR(TCX) 99% (33 - 143) Conc: 10.214791
%SSR(DCB) 95% (24 - 164) Conc: 9.506454

Analysis Report (B)

Injected on Jul 10, 2012 19:00:08
Instrument 17342B
Result file 5P20188B.0007.RAW
Calibration file 2P20188B
Method file PESTDI20B

%SSR(TCX) 105% (33 - 143) Conc: 10.785598
%SSR(DCB) 94% (24 - 164) Conc: 9.367663

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	7912415	10.214791	Tetrachloro-m-xylene	2.82	2.84	2.86	48391404	10.785598
Decachlorobiphenyl	6.78	6.81	6.82	4108382	9.506454	Decachlorobiphenyl	6.47	6.49	6.51	29413046	9.367663

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	10.785598				5.44	
Decachlorobiphenyl	A	9.506454				1.47	

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
Aroclor-1016			<17	<3.6			4	40	
Aroclor-1221			<17	<4.6			3	40	
Aroclor-1232			<17	<8			4	40	
Aroclor-1242			<17	<3.3			4	40	
Aroclor-1248			<17	<3.3			4	40	
Aroclor-1254			<17	<3.3			4	40	
Aroclor-1260			<17	<4.9			4	40	
Aroclor-1262			<17	<3.3			4	40	
Aroclor-1268			<17	<3.3			4	40	
Total PCBs			<17	<3.3					

Units: ug/kg

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

Reviewed by: Monica M. Souders
Monica M. Souders
Chemist
Date: JUL 11 2012

Verified by: Melissa A. McDermott
Melissa A. McDermott
Senior Chemist Group Leader
Date: JUL 11 2012

ASX67 9982

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: BLANKA 7/2/12 RI AC PBLK16184 Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

RT

<MDL

Analysis Report (A)

Injected on : JUL 10, 2012 19:00:08
Instrument : P 20--17342A
Result file : 5p20188.0007.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 99% (33-143) Conc.: 10.214791
%SSR(DCB) : 95% (24-164) Conc.: 9.506454

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	46.54	
3.61	3.64	3.66	6834.857422	0.388081			2
3.83	3.85	3.89	4170.305664	0.204052			3
+ 3.83	3.88	3.89	2669.429443	0.130614			3
3.89	3.92	3.95	3923.607666	0.211656			4
+ 3.96	3.97	4.02	2821.904785	0.251466			5
3.96	4.00	4.02	1914.478149	0.170603			5
3.96	4.02	4.02	1755.839844	0.156466			5
4.09	4.12	4.15	1385.925537	0.109235			6
Height Summation:			19985.014282				
Amount Avg CF:			0.206682	Linear:			
Aroclor-1221					2	138.13	
3.16	3.19	3.22	1760.816406	0.23771			1
3.22	3.24	3.28	128124.0468	20.213511			2
Height Summation:			129884.863281				
Amount Avg CF:			10.225611	Linear:			
Aroclor-1232					6	42.25	
3.61	3.64	3.67	6834.857422	0.706493			2
3.83	3.85	3.89	4170.305664	0.368282			3
+ 3.83	3.88	3.89	2669.429443	0.235739			3
3.90	3.92	3.95	3923.607666	0.394862			4
+ 3.96	3.97	4.02	2821.904785	0.521137			5
3.96	4.00	4.02	1914.478149	0.353558			5
3.96	4.02	4.02	1755.839844	0.324261			5
4.10	4.12	4.16	1385.925537	0.211797			6
Height Summation:			19985.014282				
Amount Avg CF:			0.393209	Linear:			
Aroclor-1242					7	44.05	
3.27	3.33	3.33	2328.606445	0.198681			1
3.61	3.64	3.67	6834.857422	0.469513			2
3.83	3.85	3.89	4170.305664	0.242078			3
+ 3.83	3.88	3.89	2669.429443	0.154955			3
3.90	3.92	3.96	3923.607666	0.263215			4
+ 3.97	3.97	4.03	2821.904785	0.317458			5
3.97	4.00	4.03	1914.478149	0.215375			5
3.97	4.02	4.03	1755.839844	0.197528			5
4.10	4.12	4.16	1385.925537	0.127569			6
Height Summation:			22313.620727				
Amount Avg CF:			0.244851	Linear:			
Aroclor-1248					7	81.98	
+ 3.96	3.97	4.02	2821.904785	0.176362			1
3.96	4.00	4.02	1914.478149	0.11965			1
3.96	4.02	4.02	1755.839844	0.109736			1
4.09	4.12	4.15	1385.925537	0.075133			2
+ 4.19	4.19	4.25	1596.785156	0.097101			3
4.19	4.22	4.25	2109.801758	0.128297			3
+ 4.37	4.39	4.43	13244.49218	0.92042			4
4.37	4.42	4.43	6885.955566	0.478536			4
+ 4.51	4.51	4.57	2200.130859	0.13214			5
4.51	4.55	4.57	9485.765625	0.569716			5
4.78	4.80	4.84	7716.699707	0.64399			6
Height Summation:			31254.466186				
Amount Avg CF:			0.30358	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 19:00:08
Instrument : P 20--17342B
Result file : 5p20188B.0007.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 105% (38-143) Conc.: 10.785598
%SSR(DCB) : 94% (24-164) Conc.: 9.367663

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	173.11	
3.11	3.15	3.17	14648.89843	0.202394			1
3.45	3.49	3.51	307066.5937	3.470204			2
3.65	3.67	3.70	9359.644531	0.093179			3
+ 3.65	3.70	3.70	10670.47265	0.106229			3
3.72	3.75	3.78	18099.65234	0.174317			4
+ 3.79	3.80	3.85	35361.64062	0.545437			5
3.79	3.82	3.85	19408.30468	0.299364			5
Height Summation:			368583.093751				
Amount Avg CF:			0.847892	Linear:			
Aroclor-1221					3	165.98	
2.99	3.01	3.05	19068.49218	0.478002			1
+ 2.99	3.05	3.05	130206.8203	3.26398			1
3.05	3.07	3.11	628877.3125	21.75147			2
3.11	3.15	3.17	14648.89843	0.145927			3
Height Summation:			662594.703126				
Amount Avg CF:			7.458466	Linear:			
Aroclor-1232					5	147.30	
3.11	3.15	3.17	14648.89843	0.146676			1
3.45	3.49	3.51	307066.5937	6.547073			2
3.65	3.67	3.71	9359.644531	0.17928			3
+ 3.65	3.70	3.71	10670.47265	0.204388			3
3.72	3.75	3.78	18099.65234	0.339063			4
+ 3.79	3.80	3.85	35361.64062	3.82508			5
3.79	3.82	3.85	19408.30468	2.099403			5
Height Summation:			368583.093751				
Amount Avg CF:			1.862299	Linear:			
Aroclor-1242					5	144.52	
3.11	3.15	3.17	14648.89843	0.244388			1
3.45	3.49	3.51	307066.5937	4.346819			2
3.65	3.67	3.71	9359.644531	0.119377			3
+ 3.65	3.70	3.71	10670.47265	0.136096			3
3.72	3.75	3.78	18099.65234	0.222178			4
+ 3.79	3.80	3.85	35361.64062	2.348972			5
3.79	3.82	3.85	19408.30468	1.289238			5
Height Summation:			368583.093751				
Amount Avg CF:			1.2444	Linear:			
Aroclor-1248					6	73.91	
+ 3.79	3.80	3.85	35361.64062	0.42696			1
3.79	3.82	3.85	19408.30468	0.234338			1
4.14	4.15	4.20	10366.64355	0.060624			3
4.14	4.17	4.20	18536.25585	0.108399			3
+ 4.14	4.20	4.20	19121.31445	0.111821			3
4.47	4.50	4.53	23008.87890	0.419434			4
4.54	4.55	4.60	42512.06640	0.544572			5
4.71	4.73	4.77	11340.51757	0.166286			6
Height Summation:			125172.666992				
Amount Avg CF:			0.255609	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: BLANKA 7/2/12 RI AC PBLK16184 Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 19:00:08
Instrument : P 20--17342A
Result file : 5p20188.0007.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					5	124.80	
4.51	4.55	4.58	9485.765625	0.309606			1
4.78	4.80	4.84	7716.699707	0.204952			3
5.00	5.00	5.06	3195.703369	0.107273			4
+ 5.00	5.06	5.06	9070.103516	0.304463			4
5.20	5.22	5.26	33687.06640	1.447714			5
5.32	5.35	5.38	5483.288574	0.182708			6
Height Summation:			59568.523681				
Amount Avg CF:			0.450451	Linear:			
Aroclor-1260					6	123.69	
5.11	5.14	5.17	5562.559082	0.154442			1
5.20	5.22	5.26	33687.06640	1.971533			2
5.32	5.35	5.38	5483.288574	0.139248			3
5.38	5.42	5.44	16082.79492	0.734697			4
5.99	6.02	6.05	5412.455566	0.184038			5
6.42	6.46	6.48	3973.791748	0.295978			6
Height Summation:			70201.956298				
Amount Avg CF:			0.579989	Linear:			
Aroclor-1262					5	61.69	
5.11	5.14	5.17	5562.559082	0.186837			1
5.38	5.42	5.44	16082.79492	0.414941			2
5.79	5.81	5.85	7737.37793	0.105993			4
5.99	6.02	6.05	5412.455566	0.132896			5
6.43	6.46	6.49	3973.791748	0.161707			6
Height Summation:			38768.979248				
Amount Avg CF:			0.200475	Linear:			
Aroclor-1268					5	111.75	
5.99	6.02	6.05	5412.455566	0.068261			1
6.05	6.09	6.11	1903.600952	0.027848			2
6.18	6.21	6.24	38197.66406	0.616182			3
6.43	6.46	6.49	3973.791748	0.140594			5
6.63	6.66	6.69	36215.08593	0.203817			6
Height Summation:			85702.598267				
Amount Avg CF:			0.21134	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 19:00:08
Instrument : P 20--17342B
Result file : 5p20188B.0007.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	125.60	
4.47	4.50	4.53	23008.87890	0.166957			1
4.54	4.55	4.60	42512.06640	0.181539			2
4.71	4.73	4.77	11340.51757	0.058648			3
+ 4.78	4.79	4.84	24177.21484	0.195227			4
4.78	4.81	4.84	16585.06835	0.133922			4
4.95	4.99	5.01	169250.3437	1.366668			5
5.03	5.07	5.09	88982.40625	0.458777			6
Height Summation:			351679.281249				
Amount Avg CF:			0.394419	Linear:			
Aroclor-1260					6	112.01	
+ 4.78	4.79	4.84	24177.21484	0.083691			1
4.78	4.81	4.84	16585.06835	0.05741			1
+ 4.89	4.90	4.95	7979.083984	0.038219			2
4.89	4.92	4.95	23151.94531	0.110894			2
5.03	5.07	5.09	88982.40625	0.406717			3
5.26	5.29	5.32	24271.68554	0.150424			4
+ 5.45	5.45	5.51	8026.959473	0.017297			5
5.45	5.48	5.51	24566.37695	0.052936			5
5.45	5.51	5.51	373787.5	0.805441			5
Height Summation:			551344.982422				
Amount Avg CF:			0.26397	Linear:			
Aroclor-1262					4	60.14	
+ 4.89	4.90	4.95	7979.083984	0.044009			1
4.89	4.92	4.95	23151.94531	0.127695			1
+ 5.06	5.07	5.12	88982.40625	0.276793			2
5.06	5.11	5.12	11516.55078	0.035824			2
5.26	5.29	5.32	24271.68554	0.096504			3
5.45	5.48	5.51	24566.37695	0.039049			4
+ 5.45	5.51	5.51	373787.5	0.594152			4
Height Summation:			83506.558594				
Amount Avg CF:			0.074768	Linear:			
Aroclor-1268					4	94.24	
5.72	5.74	5.78	20960.00781	0.033793			2
5.87	5.90	5.93	347267.4375	0.839018			3
5.94	5.99	6.00	65723.04687	0.598663			4
6.30	6.33	6.36	200430.1875	0.141325			6
Height Summation:			634380.679688				
Amount Avg CF:			0.4032	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.6		** 121.61	4	40	
Aroclor-1221			17	4.6		31.30	3	40	
Aroclor-1232			17	8		** 130.27	4	40	
Aroclor-1242			17	3.3		** 134.24	4	40	
Aroclor-1248			17	3.3		17.16	4	40	
Aroclor-1254			17	3.3		13.26	4	40	
Aroclor-1260			17	4.9		** 74.89	4	40	
Aroclor-1262			17	3.3		** 91.34	4	40	
Aroclor-1268			17	3.3		** 62.44	4	40	

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: BLANKA 7/2/12 RI AC PBLK16184 Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on	: JUL 10, 2012 19:00:08
Instrument	: P 20--17342A
Result file	: 5p20188.0007.RAW
Calibration file	: 2p20188.CAL
Method file	: PESTDI20.MET

Analysis Report (B)

Injected on	: JUL 10, 2012 19:00:08
Instrument	: P 20--17342B
Result file	: 5p20188B.0007.RAW
Calibration file	: 2P20188b.CAL
Method file	: PESTDI20B.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Total PCBs			17	3.3					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 7/2/12 RI ACABPBLK16184 BLK 121840016A 10736Injection Volume: 1 ul SW-846 8082
Injected On: 7/10/2012 7:00:08 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0007.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.522		3166	2258
2.551		2261	1842
2.581		3310	4302
2.616		3058	3515
2.649		5468	4672
2.676		7708	11694
2.705		3770	4973
2.818		2902	3715
2.84		12293	9383
2.879		2254	1310
2.9		7209	5417
2.948		2015	1199
2.984		11206	10874
3.038	TCX	7912415	6071646
3.092		4714	2974
3.162		5179	9314
3.186		1761	1007
3.243		128124	101770
3.329		2329	4660
3.353		3286	2193
3.376		24805	19969
3.416		2296	3237
3.443		2578	1705
3.475		2724	1685
3.497		2076	858
3.544		2030	6778
3.562		2265	1520
3.593		38782	32612
3.638		6835	9026
3.696		12507	7868
3.716		52130	38837
3.746		2416	1766
3.789		82573	82452
3.848		4170	5163
3.881		2669	997
3.925		3924	3278
3.968		2822	3691
3.996		1914	519
4.016		1756	1599
4.036		8225	10914
4.087		2378	1041
4.122		1386	546
4.192		1597	1215
4.223		2110	1263
4.263		1449	776
4.284		1892	830
4.337		1883	907
4.354		1919	1231
4.388		13244	11062
4.418		6886	11358
4.462		4586	4485
4.513		2200	913
4.546		9486	15485
4.701		1941	873

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RT A	Compound A	Height A	Area A
4.799		7717	14546
4.847		3112	4597
4.935		3839	4556
5.004		3196	4721
5.06		9070	7748
5.102		9844	14778
5.138		5563	9435
5.223		33687	42825
5.347		5483	9066
5.423		16083	20237
5.609		1479	939
5.671		2201	2550
5.815		7737	8638
5.978		88775	137730
6.024		5412	6174
6.09		1904	2449
6.214		38198	44528
6.456		3974	7419
6.518		1676	1486
6.658		36215	43772
6.699		1793	923
6.806	DCB	4108382	5348122
6.953		1929	1642
7.078		1203	772
7.148		4863	8237
7.22		4992	9826
7.301		1694	1211
7.391		1498	1045
7.427		1852	2316
7.528		1710	1210
7.621		1416	758
7.688		6978	16998
7.854		1091	438
7.887		2021	3222
7.936		4339	6106
7.993		1403	757
8.05		17252	43418
8.356		1992	2648
8.436		1605	737
8.566		1891	4592
8.627		2185	2441

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LANCASTER LABORATORIES

Sample Number: BLANKA 7/2/12 RI ACABPBLK16184 BLK 121840016A 10736Injection Volume: 1 ul SW-846 8082
Injected On: 7/10/2012 7:00:08 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0007.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.555		10934	11167
2.578		19895	28536
2.617		31253	52141
2.651		79289	105229
2.717		12395	21625
2.782		28888	28730
2.816		46521	34668
2.844	TCX	48391400	33271690
2.915		5778	2344
2.942		4895	2488
2.968		65360	55142
3.012		19068	13177
3.047		130207	154748
3.072		628877	671085
3.148		14649	11568
3.179		11571	6102
3.193		101605	65887
3.263		10994	22120
3.3		19320	16731
3.323		15646	13875
3.389		201759	180205
3.434		22053	23080
3.494		307067	243919
3.546		89223	55953
3.573		453428	362018
3.623		25619	36087
3.642		18611	13324
3.674		9360	3507
3.698		10670	7742
3.753		18100	27944
3.798		35362	24827
3.817		19408	18722
3.868		11664	11925
3.885		32115	26963
3.968		37539	121906
4.013		36111	103107
4.079		23211	28267
4.118		62373	53362
4.153		10367	8403
4.169		18536	10983
4.198		19121	12382
4.219		16605	15718
4.238		12646	6599
4.267		11464	6128
4.318		16066	13622
4.363		12137	15245
4.411		7566	2896
4.433		13845	8223
4.503		23009	143763
4.548		42512	81647
4.604		9597	4351
4.662		54002	116214
4.732		11341	3683
4.792		24177	17621

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RT B	Compound B	Height B	Area B
4.808		16585	10322
4.866		10544	5189
4.898		7979	1747
4.923		23152	23838
4.987		169250	165760
5.017		14666	7907
5.069		88982	142199
5.115		11517	3017
5.131		20411	62402
5.232		15397	19060
5.293		24272	40408
5.453		8027	4334
5.48		24566	14881
5.507		373788	392857
5.6		13661	16047
5.665		12226	32764
5.738		20960	36420
5.791		38051	1011392
5.904		347267	454695
5.936		38894	54968
5.992		65723	324054
6.328		200430	213243
6.491	DCB	29413050	32493830
6.835		23947	28458
6.89		8481	6022
7.162		46100	56838
7.365		32250	48151
7.452		6717	12759
7.527		7677	7868
7.592		17225	21691
7.84		24462	73320
7.934		16899	54222
8.231		4444	3942
8.604		4054	1455
8.671		15509	29712

ASX67 8983

BLANKA 7/2/12 RI ACABPBLK16184 BLK 121840016A 10736 SW-846 8082

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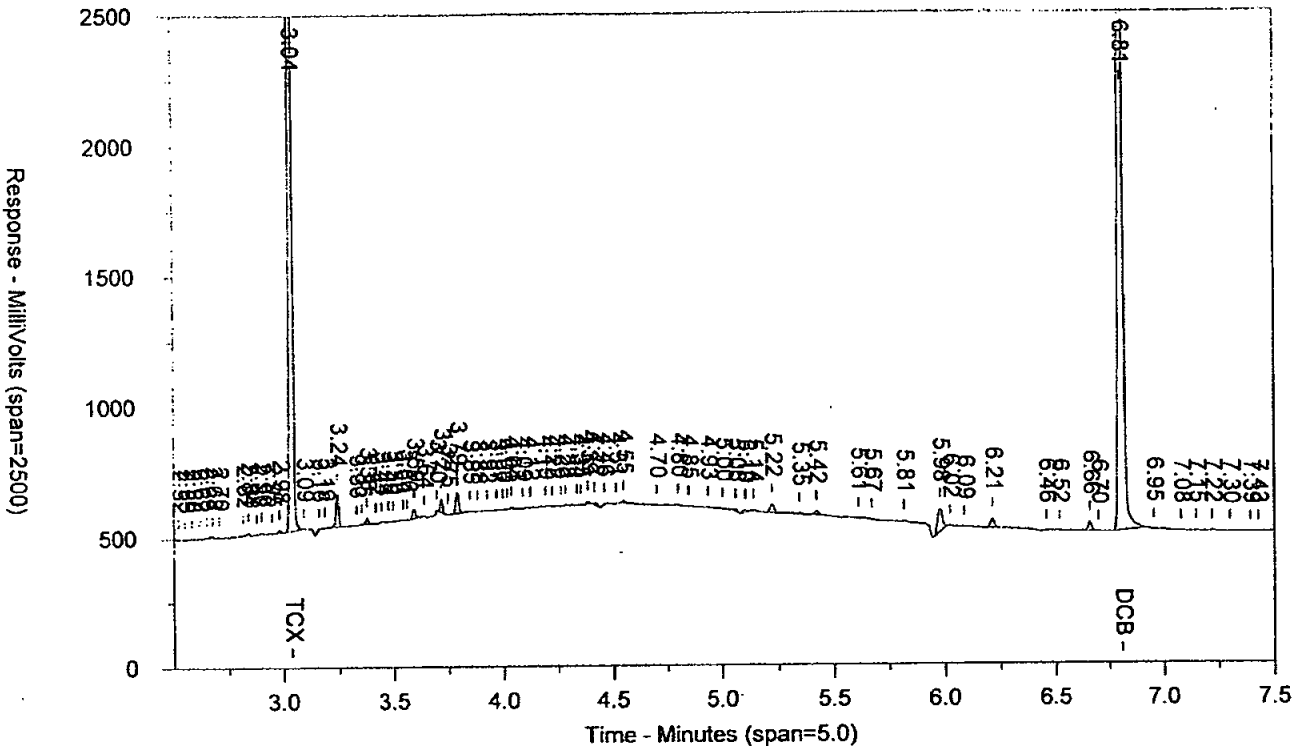

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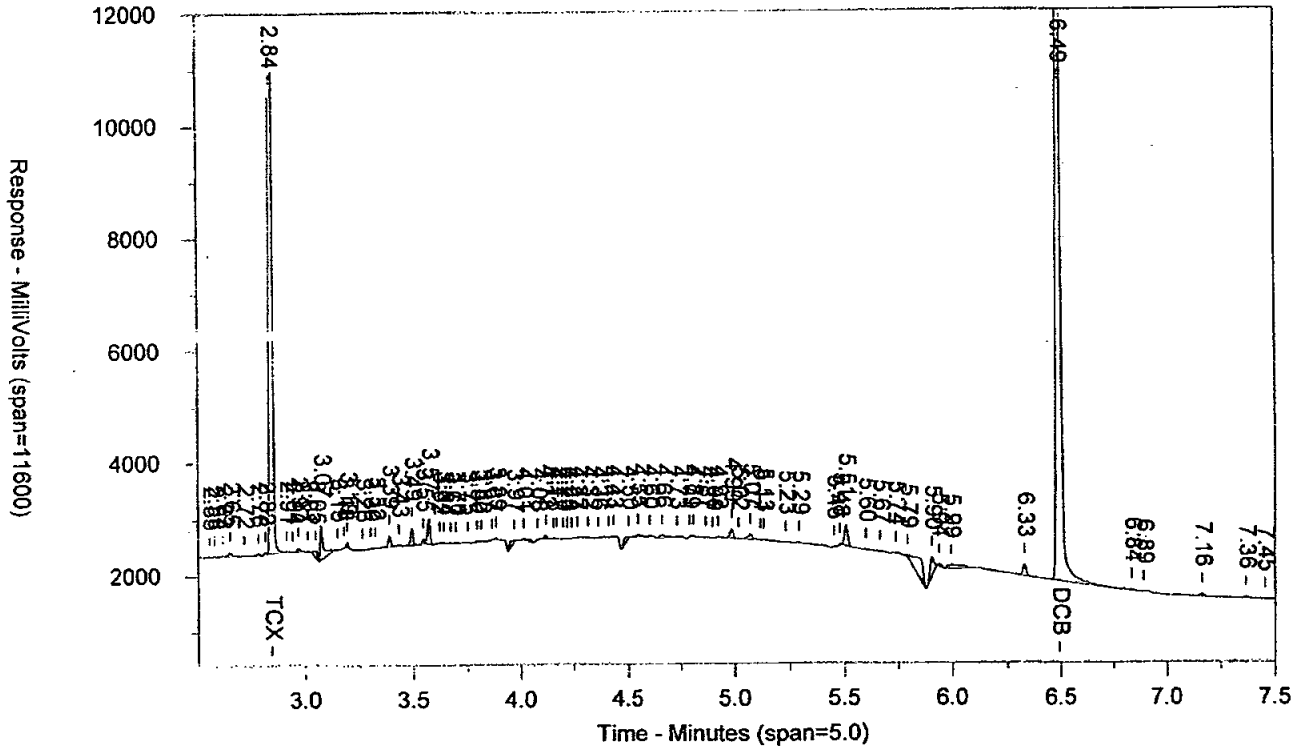


ASX67 0910

LANCASTER LABORATORIES

Sample Number: BLANKA 7/2/12 RI ACABPBLK16184 BLK 121840016A 10736 Sample Weight: 30 SW-846 8082
Injected On: 7/10/2012 7:00:08 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

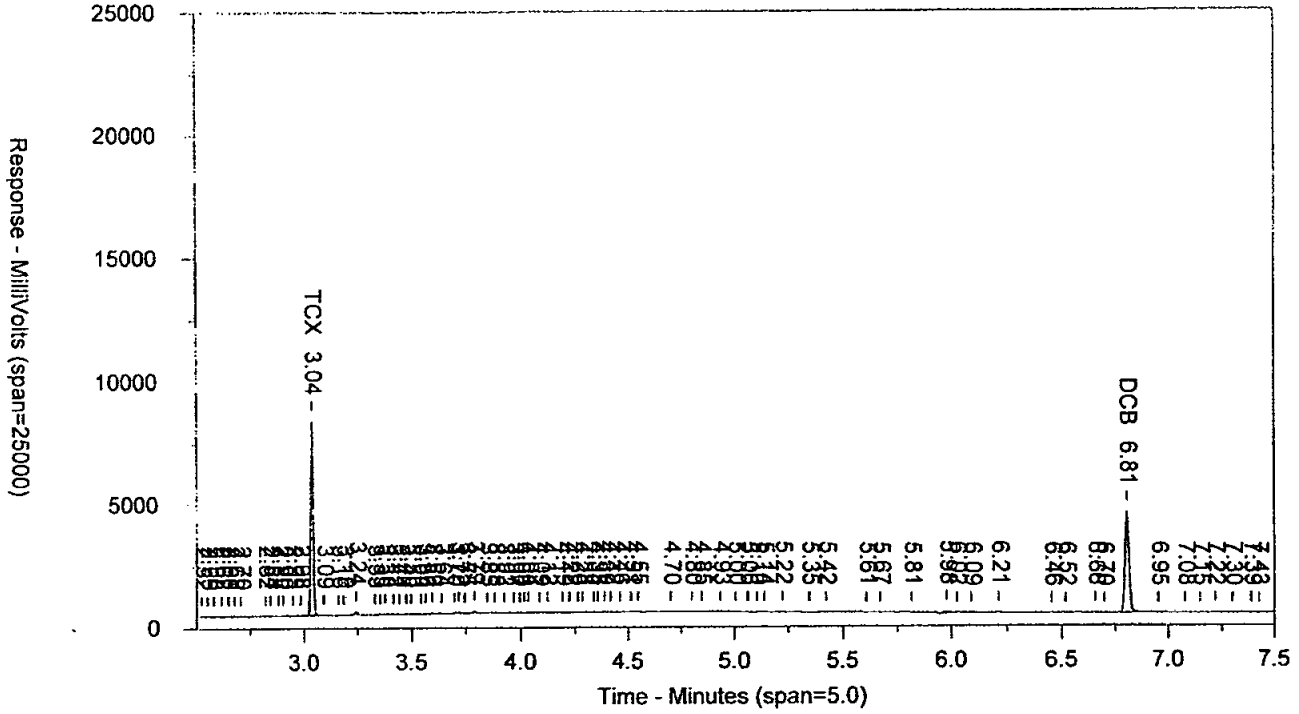
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	7912415	10.215	TCX	2.844	48391400	10.786	TCX
6.806	4108382	9.506	DCB	6.491	29413050	9.368	DCB

Files:
Area File: 5p20188.0007.RAW
Area File: 5p20188B.0007.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 7:08:51 PM
File Reported On: 7/10/2012 at 7:08:58 PM

ASX67 6911

BLANKA 7/2/12 RI ACABPBLK16184 BLK 121840016A 10736 SW-846 8082

\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\5p20188.0007.RAW



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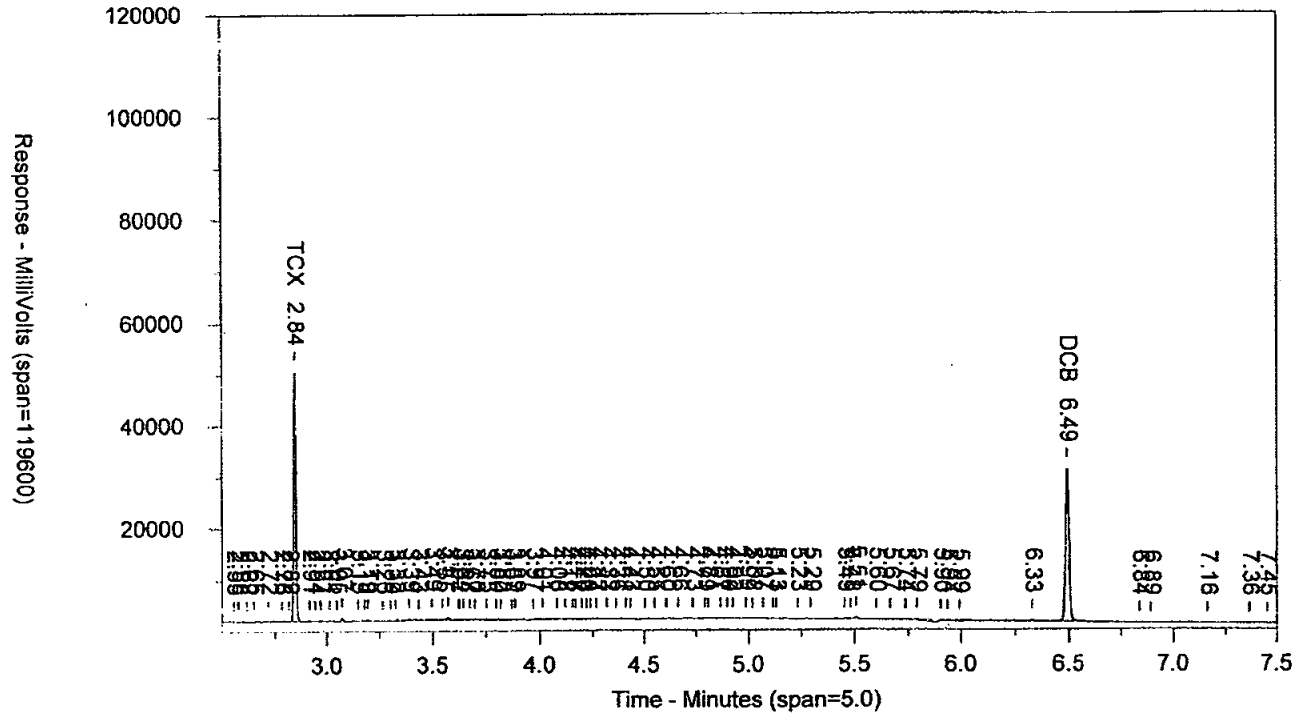

ASX67 0912

Data Summary

Sample Name: LCSA 7/2/12 RI AC LCS16184 LCS Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on	Jul 10, 2012 19:11:30
Instrument	17342A
Result file	5P20188.0008.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 101% (33 - 143) Conc: 10.448088
%SSR(DCB) 95% (24 - 164) Conc: 9.468414

Analysis Report (B)

Injected on	Jul 10, 2012 19:11:30
Instrument	17342B
Result file	5P20188B.0008.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 108% (33 - 143) Conc: 11.163411
%SSR(DCB) 95% (24 - 164) Conc: 9.537004

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	8093127	10.448088
Decachlorobiphenyl	6.78	6.80	6.82	4091943	9.468414

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	50086532	11.163411
Decachlorobiphenyl	6.47	6.49	6.51	29944752	9.537004

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	11.163411				6.62	
Decachlorobiphenyl	A B	~~9.537004~~ 9.468				0.72	

Multiple Component Data

MLh 7/11/12

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**10.14**	
3.27	3.30	3.33	2102362.75	149.898901			1
3.61	3.64	3.66	2670038.75	151.603874			2
3.83	3.86	3.89	3214710.25	157.294691			3
3.89	3.92	3.95	2751386	148.421521			4
3.96	4.02	4.02	1304749.375	116.268853			5
4.09	4.13	4.15	1921007.75	151.408707			6
Height summation:			**13964254.875**				
Concentration		CF:	**145.816091**	L:			
Aroclor-1260						**3.21**	
5.11	5.14	5.17	5985772	166.19278			1
5.20	5.23	5.26	2756893	161.346973			2
5.32	5.35	5.38	6210896	157.725418			3
5.38	5.41	5.44	3633377.75	165.980587			4
5.99	6.02	6.05	4916324.5	167.168643			5
6.42	6.45	6.48	2073867.5	154.466877			6
Height summation:			**25577130.75**				
Concentration		CF:	**162.14688**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.16**	
3.11	3.14	3.17	11502018	158.915709			1
3.45	3.48	3.51	14030585	158.561648			2
3.65	3.68	3.70	16495148	164.216474			3
3.72	3.75	3.78	17241726	166.054457			4
3.79	3.81	3.85	11169016	172.276984			5
3.90	3.93	3.96	13743061	161.477026			6
Height summation:			**84181554**				
Concentration		CF:	**163.583716**	L:			
Aroclor-1260						**5.20**	
4.78	4.81	4.84	52625748	182.167051			1
4.89	4.92	4.95	38161392	182.787377			2
5.03	5.06	5.09	38196964	174.588919			3
5.26	5.29	5.32	28635140	177.466424			4
5.45	5.48	5.51	83299536	179.494771			5
6.10	6.12	6.16	14860718	158.182319			6
Height summation:			**255779498**				
Concentration		CF:	**175.781144**	L:			

Data Summary

Sample Name: LCSA 7/2/12 RI AC LCS16184 LCS Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on	Jul 10, 2012 19:11:30
Instrument	17342A
Result file	5P20188.0008.RAW
Calibration file	2P20188
Method file	PESTDI20

Analysis Report (B)

Injected on	Jul 10, 2012 19:11:30
Instrument	17342B
Result file	5P20188B.0008.RAW
Calibration file	2P20188B
Method file	PESTDI20B

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
Aroclor-1016	B	163.583716	17	3.6		11.49	4	40	
Aroclor-1221			<17	<4.6			3	40	
Aroclor-1232			<17	<8			4	40	
Aroclor-1242			<17	<3.3			4	40	
Aroclor-1248			<17	<3.3			4	40	
Aroclor-1254			<17	<3.3			4	40	
Aroclor-1260	B	175.781144	17	4.9		8.07	4	40	
Aroclor-1262			<17	<3.3			4	40	
Aroclor-1268			<17	<3.3			4	40	
Total PCBs	A	339.36486	17	3.3		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders
Monica M. Souders
Chemist
Date: JUL 11 2012

Verified by: Melissa A. McDermott
Melissa A. McDermott
Senior Chemist Group Leader
Date: JUL 11 2012

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **LCSA** 7/2/12 RI AC LCS16184 Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 19:11:30
Instrument : P 20--17342A
Result file : 5p20188.0008.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET
%SSR(TCX) : 101% (33-143) Conc.: 10.448088
%SSR(DCB) : 95% (24-164) Conc.: 9.468414

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					7	38.67	
3.27	3.30	3.33	2102362.75	149.898901			1
3.61	3.64	3.66	2670038.75	151.603874			2
3.83	3.86	3.89	3214710.25	157.294691			3
3.89	3.92	3.95	2751386	148.421521			4
3.96	3.97	4.02	189650.3125	16.900123			5
3.96	3.99	4.02	1808663.625	161.17367			5
+ 3.96	4.02	4.02	1304749.375	116.268853			5
4.09	4.13	4.15	1921007.75	151.408707			6
+ 4.09	4.15	4.15	636997.25	50.206424			6
Height Summation:			14657819.437500				
Amount Avg CF:			133.814498	Linear:			
Aroclor-1221					3	37.92	
3.16	3.19	3.22	372057.4375	50.227669			1
E 3.22	3.25	3.28	510460.9687!	80.532957			2
E 3.27	3.30	3.33	2102362.75	111.450623			3
Height Summation:			2984881.156250				
Amount Avg CF:			80.737083	Linear:			
Aroclor-1232					7	48.86	
E 3.27	3.30	3.33	2102362.75	106.410897			1
E 3.61	3.64	3.67	2670038.75	275.991825			2
E 3.83	3.86	3.89	3214710.25	283.89309			3
E 3.90	3.92	3.95	2751386	276.892855			4
3.96	3.97	4.02	189650.3125	35.023821			5
E 3.96	3.99	4.02	1808663.625	334.01638			5
E+ 3.96	4.02	4.02	1304749.375	240.955619			5
E 4.10	4.13	4.16	1921007.75	293.568455			6
E+ 4.10	4.15	4.16	636997.25	97.345936			6
Height Summation:			14657819.437500				
Amount Avg CF:			229.399618	Linear:			
Aroclor-1242					7	9.46	
E 3.27	3.30	3.33	2102362.75	179.377054			1
E 3.61	3.64	3.67	2670038.75	183.415543			2
E 3.83	3.86	3.89	3214710.25	186.60731			3
E 3.90	3.92	3.96	2751386	184.576754			4
+ 3.97	3.97	4.03	189650.3125	21.335249			5
E 3.97	3.99	4.03	1808663.625	203.470741			5
E 3.97	4.02	4.03	1304749.375	146.781479			5
E 4.10	4.13	4.16	1921007.75	176.821212			6
+ 4.10	4.15	4.16	636997.25	58.633093			6
Height Summation:			15772918.500000				
Amount Avg CF:			180.150013	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 19:11:30
Instrument : P 20--17342B
Result file : 5p20188B.0008.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET
%SSR(TCX) : 108% (33-143) Conc.: 11.163411
%SSR(DCB) : 95% (24-164) Conc.: 9.537004

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					7	30.23	
3.11	3.14	3.17	11502018	158.915709			1
+ 3.45	3.45	3.51	1168587.25	~~13.208372~~			2
3.45	3.48	3.51	14030585	158.561648			2
3.65	3.68	3.70	16495148	164.216474			3
3.72	3.75	3.78	17241726	166.054457			4
+ 3.79	3.79	3.85	10641267	~~164.136696~~			5
3.79	3.81	3.85	11169016	172.276984			5
3.79	3.83	3.85	3032084.5	46.768522			5
3.90	3.93	3.96	13743061	161.477026			6
+ 3.90	3.95	3.96	4829655.5	~~56.747067~~			6
Height Summation:			87213638.500000				
Amount Avg CF:			146.895831	Linear:			
Aroclor-1221					3	36.02	
2.99	3.02	3.05	2120875	53.165375			1
E 3.05	3.08	3.11	2582095.25	89.308943			2
E 3.11	3.14	3.17	11502018	114.579073			3
Height Summation:			16204988.250000				
Amount Avg CF:			85.684464	Linear:			
Aroclor-1232					7	84.93	
E 3.11	3.14	3.17	11502018	115.167064			1
+ 3.45	3.45	3.51	1168587.25	24.915853			2
E 3.45	3.48	3.51	14030585	299.150952			2
E 3.65	3.68	3.71	16495148	315.957149			3
E 3.72	3.75	3.78	17241726	322.990904			4
E+ 3.79	3.79	3.85	10641267	1151.069264			5
E 3.79	3.81	3.85	11169016	1208.156042			5
E 3.79	3.83	3.85	3032084.5	327.981553			5
E 3.90	3.93	3.96	13743061	348.784311			6
E+ 3.90	3.95	3.96	4829655.5	122.571534			6
Height Summation:			87213638.500000				
Amount Avg CF:			419.741139	Linear:			
Aroclor-1242					7	72.75	
E 3.11	3.14	3.17	11502018	191.888639			1
+ 3.45	3.45	3.51	1168587.25	16.542462			2
E 3.45	3.48	3.51	14030585	198.616256			2
E 3.65	3.68	3.71	16495148	210.386978			3
E 3.72	3.75	3.78	17241726	211.646824			4
E+ 3.79	3.79	3.85	10641267	706.868831			5
E 3.79	3.81	3.85	11169016	741.925683			5
E 3.79	3.83	3.85	3032084.5	201.412673			5
E 3.90	3.93	3.96	13743061	204.70147			6
E+ 3.90	3.95	3.96	4829655.5	71.937218			6
Height Summation:			87213638.500000				
Amount Avg CF:			280.082646	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **LCSA** 7/2/12 RI AC LCS16184 Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 19:11:30
Instrument : P 20--17342A
Result file : 5p20188.0008.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					8	51.79	
3.96	3.97	4.02	189650.3125	11.85268			1
3.96	3.99	4.02	1808663.625	113.037046			1
+ 3.96	4.02	4.02	1304749.375	81.543639			1
4.09	4.13	4.15	1921007.75	104.140103			2
+ 4.09	4.15	4.15	636997.25	34.532375			2
4.19	4.22	4.25	2147240.5	130.573751			3
4.37	4.38	4.43	1822738.875	126.670407			4
4.37	4.41	4.43	318729.0625	22.149931			4
+ 4.37	4.43	4.43	561808.4375	39.042621			4
4.51	4.55	4.57	2116078.25	127.09192			5
4.78	4.81	4.84	1200925.375	100.222061			6
Height Summation:			11525033.750000				
Amount Avg CF:			91.967237	Linear:			
Aroclor-1254					6	84.92	
4.51	4.55	4.58	2116078.25	69.066774			1
4.72	4.76	4.78	861796.8125	43.632317			2
4.78	4.81	4.84	1200925.375	31.895969			3
5.00	5.03	5.06	716597.0625	24.054551			4
+ 5.00	5.06	5.06	19030.37695	0.638807			4
5.20	5.23	5.26	2756893	118.478469			5
5.32	5.35	5.38	6210896	206.952284			6
Height Summation:			13863186.500000				
Amount Avg CF:			82.346727	Linear:			
Aroclor-1260					6	3.21	
5.11	5.14	5.17	5985772	166.19278			1
5.20	5.23	5.26	2756893	161.346973			2
5.32	5.35	5.38	6210896	157.725418			3
5.38	5.41	5.44	3633377.75	165.980587			4
5.99	6.02	6.05	4916324.5	167.168643			5
6.42	6.45	6.48	2073867.5	154.466877			6
Height Summation:			25577130.750000				
Amount Avg CF:			162.14688	Linear:			
Aroclor-1262					6	33.44	
E 5.11	5.14	5.17	5985772	201.052324			1
E 5.38	5.41	5.44	3633377.75	93.742282			2
+ 5.55	5.56	5.61	265563.4687	9.915148			3
E 5.55	5.58	5.61	3031247.5	113.175464			3
E 5.79	5.82	5.85	9566660	131.051851			4
E 5.99	6.02	6.05	4916324.5	120.714148			5
E 6.43	6.45	6.49	2073867.5	84.392787			6
Height Summation:			29207249.250000				
Amount Avg CF:			124.021476	Linear:			
Aroclor-1268					6	113.29	
5.99	6.02	6.05	4916324.5	62.003829			1
6.05	6.07	6.11	1456196.5	21.302975			2
6.18	6.21	6.24	217992.7031	3.51653			3
6.25	6.27	6.31	64017.58984	3.793675			4
+ 6.25	6.30	6.31	806038.5	47.765754			4
E 6.43	6.45	6.49	2073867.5	73.374045			5
6.63	6.66	6.69	695865.625	3.916299			6
Height Summation:			9424264.417969				
Amount Avg CF:			27.984559	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 19:11:30
Instrument : P 20--17342B
Result file : 5p20188B.0008.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					9	64.16	
+ 3.79	3.79	3.85	10641267	128.483795			1
3.79	3.81	3.85	11169016	134.855893			1
3.79	3.83	3.85	3032084.5	36.609712			1
3.90	3.93	3.96	13743061	113.712404			2
+ 3.90	3.95	3.96	4829655.5	39.961384			2
4.14	4.15	4.20	3006887	17.584133			3
4.14	4.17	4.20	16097428	94.136995			3
+ 4.14	4.20	4.20	3239132.25	18.942292			3
4.47	4.50	4.53	3080157.25	56.148841			4
+ 4.54	4.55	4.60	2173380.25	27.840638			5
4.54	4.58	4.60	14689829	188.174254			5
+ 4.71	4.71	4.77	467989.7812	6.862116			6
4.71	4.74	4.77	2231759.75	32.724207			6
4.71	4.76	4.77	8064007.5	118.24223			6
Height Summation:			75114230.000000				
Amount Avg CF:			88.020963	Linear:			
Aroclor-1254					7	134.16	
4.47	4.50	4.53	3080157.25	22.350283			1
+ 4.54	4.55	4.60	2173380.25	9.28096			2
4.54	4.58	4.60	14689829	62.729804			2
+ 4.71	4.71	4.77	467989.7812	2.420227			3
4.71	4.74	4.77	2231759.75	11.541629			3
4.71	4.76	4.77	8064007.5	41.703316			3
E 4.78	4.81	4.84	52625748	424.944187			4
4.95	4.98	5.01	3651646.5	29.486422			5
5.03	5.06	5.09	38196964	196.936508			6
Height Summation:			122540112.000000				
Amount Avg CF:			112.813164	Linear:			
Aroclor-1260					6	5.20	
4.78	4.81	4.84	52625748	182.167051			1
4.89	4.92	4.95	38161392	182.787377			2
5.03	5.06	5.09	38196964	174.588919			3
5.26	5.29	5.32	28635140	177.466424			4
+ 5.26	5.32	5.32	1783063.25	~~11.050343~~			4
5.45	5.48	5.51	83299536	179.494771			5
6.10	6.12	6.16	14860718	158.182319			6
Height Summation:			~~255779498.000000~~				
Amount Avg CF:			175.781144	Linear:			
Aroclor-1262					6	44.38	
E 4.89	4.92	4.95	38161392	210.479477			1
E 5.06	5.09	5.12	28431270	88.439589			2
E 5.26	5.29	5.32	28635140	113.853563			3
+ 5.26	5.32	5.32	1783063.25	7.089475			3
E 5.45	5.48	5.51	83299536	132.408396			4
+ 5.67	5.68	5.73	168798.4843	0.750605			5
E 5.67	5.70	5.73	15052907	66.936571			5
E 6.10	6.12	6.16	14860718	85.326211			6
+ 6.10	6.16	6.16	415275.9687	2.384402			6
Height Summation:			208440963.000000				
Amount Avg CF:			116.240635	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **LCSA** 7/2/12 RI AC LCS16184 Sample ID: AB **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 19:11:30
Instrument : P 20--17342A
Result file : 5p20188.0008.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 10, 2012 19:11:30
Instrument : P 20--17342B
Result file : 5p20188B.0008.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					6	118.16	
+ 5.67	5.68	5.73	168798.4843	0.23373			1
5.67	5.70	5.73	15052907	20.843247			1
E 5.72	5.75	5.78	49210356	79.338905			2
5.87	5.90	5.93	1400491.75	3.383669			3
+ 5.94	5.94	6.00	1005667.437	9.160505			4
5.94	5.97	6.00	375041.7187	3.41621			4
E 6.10	6.12	6.16	14860718	73.108665			5
+ 6.10	6.16	6.16	415275.9687	2.042988			5
6.30	6.33	6.36	4469489	3.151471			6

Height Summation: **85369003.468750**
Amount Avg CF: **30.540361** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.6		9.32	4	40	
Aroclor-1221			17	4.6	E	5.95	3	40	
Aroclor-1232			17	8	E	** 58.64	4	40	
Aroclor-1242			17	3.3	E	** 43.43	4	40	
Aroclor-1248			17	3.3		4.39	4	40	
Aroclor-1254			17	3.3		31.22	4	40	
Aroclor-1260			17	4.9		8.07	4	40	
Aroclor-1262			17	3.3	E	6.48	4	40	
Aroclor-1268			17	3.3	E	8.73	4	40	
Total PCBs			17	3.3					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 7/2/12 RI ACABLCS16184 LCS 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/10/2012 7:11:29 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0008.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.521		3458	2599
2.548		3311	3273
2.585		4094	6803
2.621		3014	1799
2.665		29778	34425
2.735		2250	1393
2.769		1654	575
2.78		3284	2193
2.819		6331	4328
2.84		7059	4365
2.86		5878	5408
2.901		8416	7986
2.951		4843	3263
2.983		8248	8382
3.038	TCX	8093127	6232761
3.127		12152	10321
3.159		13672	15757
3.192		372057	344794
3.25		510461	469764
3.299		2102363	1701033
3.358		3852	3148
3.376		6884	3252
3.394		279863	214832
3.437		7682	6940
3.463		1703	631
3.518		2036201	1363754
3.536		833771	485387
3.573		271247	177139
3.589		36462	13899
3.605		176422	111050
3.637		2670039	2280872
3.673		13201	8943
3.694		6171	4791
3.712		133680	105430
3.75		553379	380042
3.764		242241	139443
3.824		5584753	7872933
3.863		3214710	2868089
3.925		2751386	2608705
3.966		189650	146798
3.995		1808664	1479030
4.022		1304749	1183073
4.045		328175	201630
4.125		1921008	1711113
4.15		636997	469872
4.182		789561	624748
4.219		2147241	2477400
4.261		673855	651172
4.308		115344	108204
4.349		124979	115726
4.385		1822739	1661504
4.405		318729	187919
4.429		561808	440849
4.461		3804	2251

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RT A	Compound A	Height A	Area A
4.501		316442	322171
4.545		2116078	2485884
4.648		10697	9851
4.691		99729	106227
4.762		861797	1414932
4.809		1200925	1297034
4.857		2230471	2814654
4.895		405661	325624
4.936		4469759	5030181
4.984		9138	6384
5.028		716597	890942
5.06		19030	9261
5.088		894393	1004187
5.141		5985772	8316179
5.192		1008025	1011342
5.235		2756893	3571347
5.314		435562	524810
5.35		6210896	7753680
5.414		3633378	3994051
5.457		2196226	2417794
5.555		265564	257546
5.578		3031248	3213912
5.637		1750090	1914151
5.677		914221	953639
5.719		199420	207359
5.76		1382937	1554867
5.817		9566660	11835960
5.975		95410	115181
6.024		4916325	5634116
6.072		1456197	2830563
6.212		217993	254113
6.273		64018	60695
6.297		806039	877611
6.454		2073868	2494522
6.499		116355	129603
6.656		695866	878228
6.804	DCB	4091943	5453743
6.982		17378	24297
7.079		2269	3569
7.148		4628	7653
7.213		5055	10164
7.299		1863	1368
7.348		1290	790
7.389		1377	1669
7.439		1555	601
7.479		1293	691
7.549		1855	1825
7.596		3755	5890
7.683		6178	11546
7.729		1670	1007
7.854		1680	1365
7.891		1950	3824
7.94		4485	7952
8.055		22484	59923
8.237		1549	733
8.265		1928	1492
8.313		1756	906
8.475		986	482
8.64		1349	975

ASX67 8919

LANCASTER LABORATORIES

Sample Number: LCSA 7/2/12 RI ACABLCS16184 LCS 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/10/2012 7:11:29 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0008.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.513		93648	77190
2.58		26947	41280
2.637		55126	105664
2.65		104975	101186
2.673		39112	46472
2.709		28669	24436
2.726		34417	55051
2.79		23089	26822
2.813		69946	44944
2.845	TCX	50086530	33919850
2.888		823215	719032
2.928		10172	7821
2.97		132212	158740
3.019		2120875	1915208
3.083		2582095	2305985
3.137		11502020	8297288
3.178		9264	4532
3.193		100338	61281
3.229		7266	2867
3.253		1489176	1118720
3.317		25328	53314
3.35		14609270	17000270
3.404		1826267	1283808
3.427		731135	451123
3.452		1168587	709393
3.478		14030590	11618370
3.514		403468	255521
3.561		3672258	2170410
3.577		2031506	1106631
3.639		34451850	39858720
3.675		16495150	14186180
3.754		17241730	13266120
3.788		10641270	7478973
3.815		11169020	7548004
3.835		3032085	1805552
3.884		44053	40562
3.929		13743060	10522630
3.955		4829656	2988709
3.977		4522145	3182656
4.011		1575937	960265
4.029		11539480	8173491
4.076		3882479	3611759
4.122		531818	446339
4.147		3006887	2052813
4.171		16097430	12211060
4.199		3239132	2323761
4.221		171369	73988
4.238		1574386	1151548
4.277		13408700	11607040
4.319		342354	242326
4.336		674876	657260
4.399		61503	55751
4.437		755061	989365
4.499		3080157	3102355

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RT B	Compound B	Height B	Area B
4.547		2173380	1421467
4.577		14689830	15500190
4.608		5731266	6386092
4.662		31861630	30844720
4.71		467990	354878
4.737		2231760	1668319
4.762		8064008	7121603
4.807		52625750	50301770
4.921		38161390	39394040
4.98		3651647	3653213
5.018		10737510	10218820
5.057		38196960	38040260
5.09		28431270	25494540
5.131		17995270	17036210
5.197		47128	31255
5.237		6180149	7251424
5.288		28635140	27095770
5.315		1783063	1200226
5.364		15192330	16107780
5.4		6071123	5019947
5.425		4551188	3856938
5.482		83299540	86456860
5.523		963222	762938
5.559		2292926	2302021
5.676		168799	180785
5.698		15052910	14388470
5.745		49210360	57365510
5.901		1400492	1580593
5.943		1005667	902133
5.971		375042	319306
6.021		6296106	6868650
6.125		14860720	15291470
6.156		415276	334030
6.326		4469489	4891587
6.49	DCB	29944750	33280760
6.834		28275	29873
6.905		79547	119929
7.159		59005	77913
7.36		31410	47374
7.519		11112	19637
7.937		4840	50030
8.092		5218	3075
8.135		3828	2472
8.234		6149	2333
8.321		5817	6294
8.618		2994	4079

ASX67 8921

LCSA 7/2/12 RI ACABLCS16184 LCS 121840016A 10736 SW-846 8082

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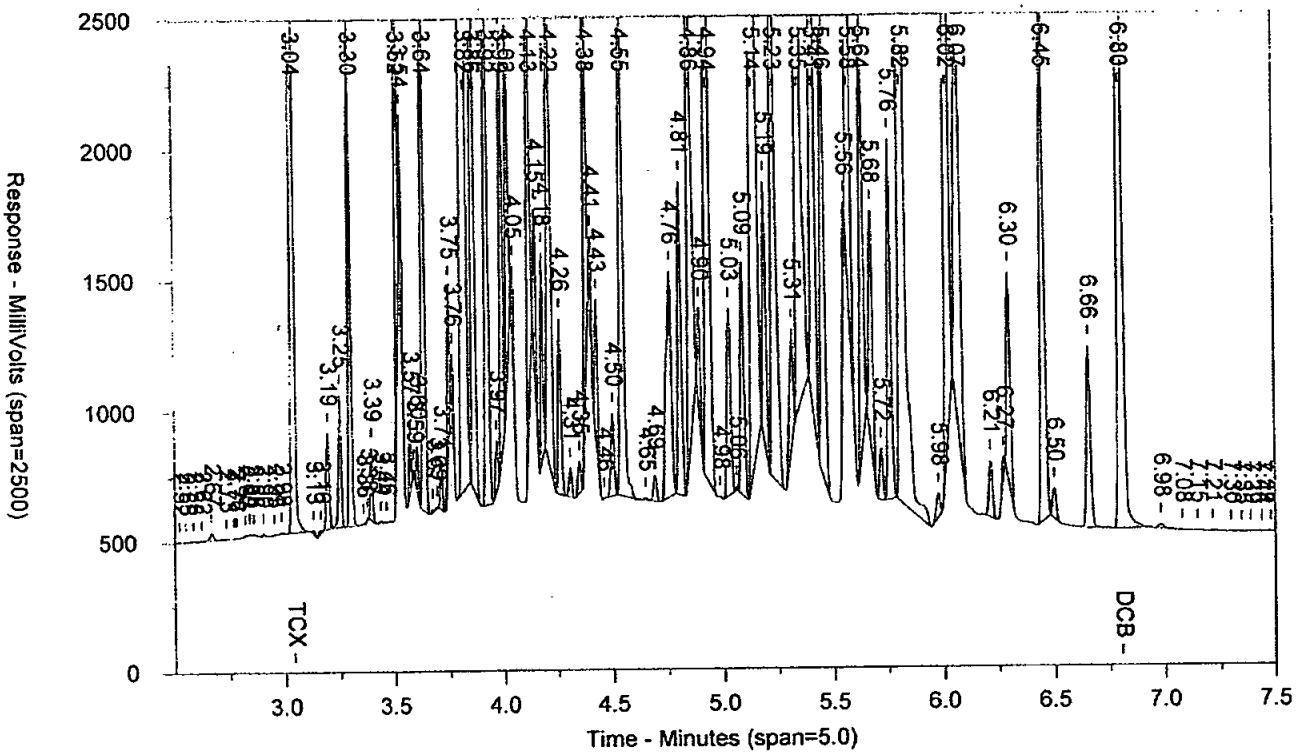

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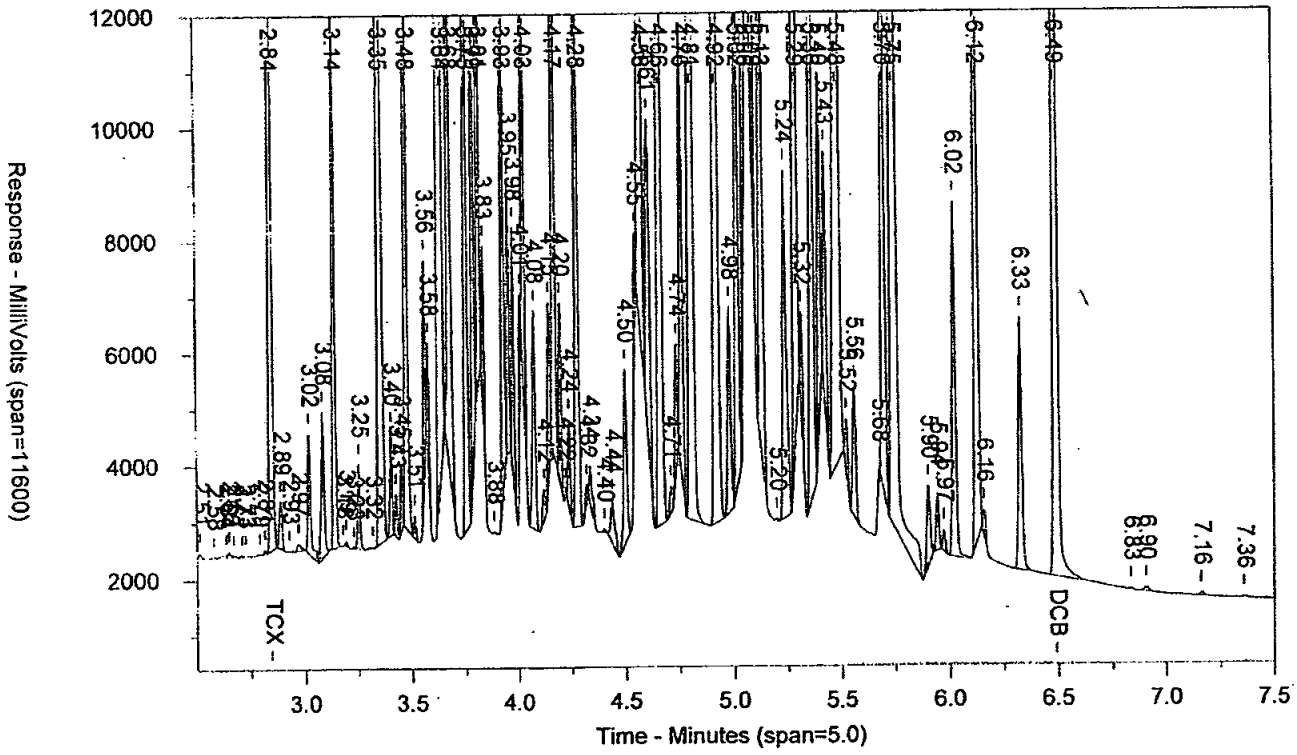

ASX6P 0922

LANCASTER LABORATORIES

Sample Number: LCSA 7/2/12 RI ACABLCS16184 LCS 121840016A 10736 Sample Weight: 30 SW-846 8082
Injected On: 7/10/2012 7:11:29 PM Dilution Factor: 10
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	8093127	10.448	TCX	2.845	50086530	11.163	TCX
6.804	4091943	9.468	DCB	6.49	29944750	9.537	DCB

Files:
Area File: 5p20188.0008.RAW
Area File: 5p20188B.0008.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 7:20:11 PM
File Reported On: 7/10/2012 at 7:20:16 PM

ASX67 0923

LCSA 7/2/12 RI ACABLCS16184 LCS 121840016A 10736 SW-846 8082

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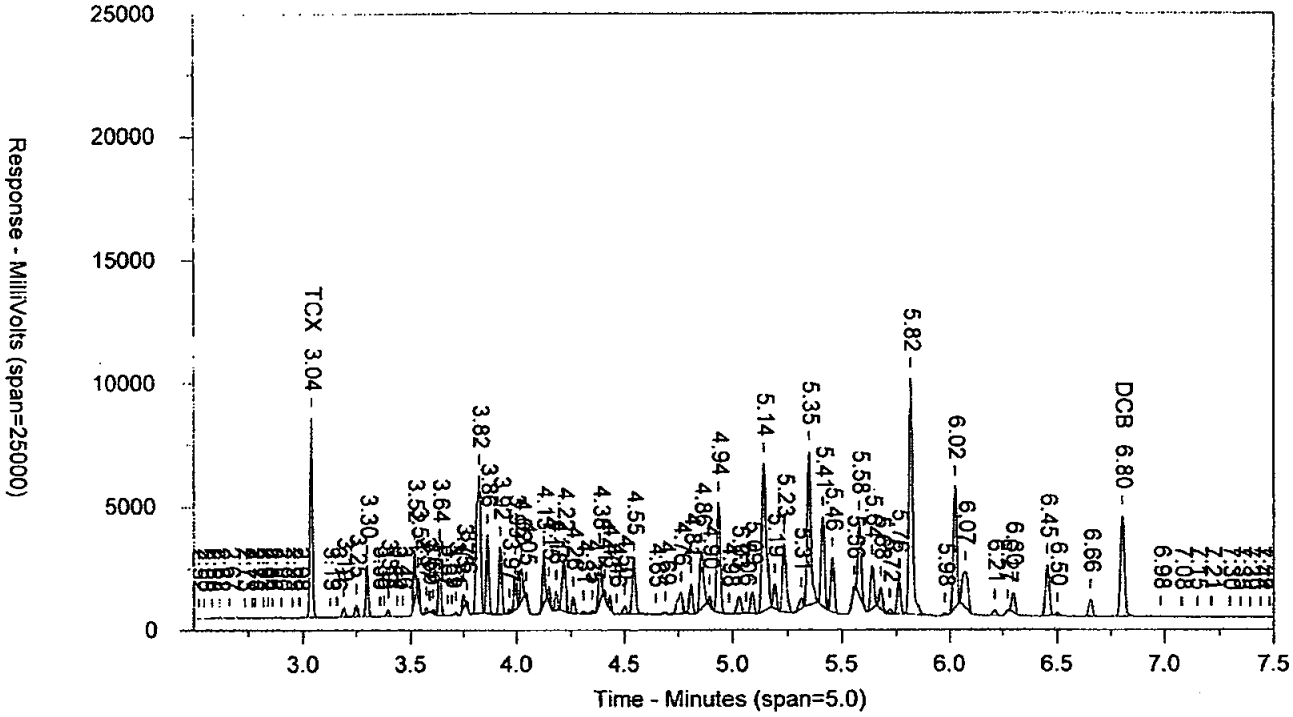

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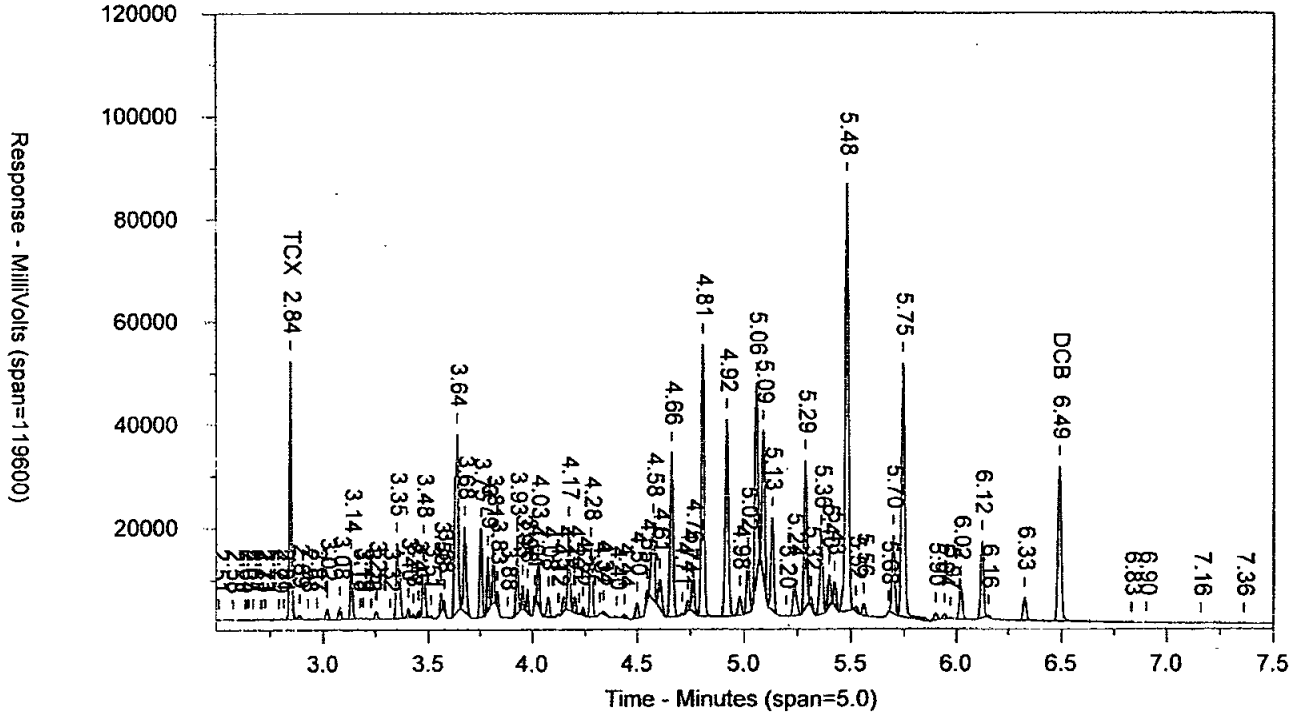

ASX67 0924

Data Summary

Sample Name: 6706982 MSACF DF10 TS-25 MS Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.4 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 10, 2012 20:53:49
Instrument	17342A
Result file	5P20188.0017.RAW
Calibration file	2P20188
Method file	PESTDI20

%SSR(TCX) 92% (33 - 143) Conc: 9.317223
%SSR(DCB) 113% (24 - 164) Conc: 11.110628

Analysis Report (B)

Injected on	Jul 10, 2012 20:53:49
Instrument	17342B
Result file	5P20188B.0017.RAW
Calibration file	2P20188B
Method file	PESTDI20B

%SSR(TCX) 57% (33 - 143) Conc: 5.838927
%SSR(DCB) 82% (24 - 164) Conc: 8.095451

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	731338	9.317223
Decachlorobiphenyl	6.78	6.80	6.82	486568	11.110628

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.82	2.84	2.86	2654663	5.838927
Decachlorobiphenyl	6.47	6.49	6.51	2575741	8.095451

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	9.317223				45.90	
☑ Decachlorobiphenyl	A	11.110628				31.40	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**12.16**	
3.27	3.30	3.33	228602.125	160.849135			1
3.61	3.64	3.66	197111.28125	110.446482			2
3.83	3.86	3.89	305260.375	147.397574			3
3.89	3.92	3.95	275345.71875	146.578865			4
3.96	3.99	4.02	172315.54687	151.53342			5
4.09	4.12	4.15	196109.23437	152.534277			6
Height summation:			**1374744.28125**				
Concentration		CF:	**144.889959**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**107.58**	
3.11	3.16	3.17	5799847.5	790.782471			1
3.45	3.48	3.51	1031396.1875	115.02588			2
3.65	3.68	3.70	1096605.375	107.73543			3
3.72	3.75	3.78	1084570.75	103.080225			4
3.79	3.81	3.85	749179.0625	114.036965			5
3.90	3.92	3.96	2518198.75	291.98796			6
Height summation:			**12279797.625**				
Concentration		CF:	**253.774822**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.87**	
5.11	5.14	5.17	1656305.375	453.816272			1
5.20	5.23	5.26	773736.25	446.870336			2
5.32	5.35	5.38	2070746.875	518.945937			3
5.38	5.41	5.44	1266435.875	570.923104			4
5.99	6.02	6.05	1693387.375	568.222288			5
6.42	6.45	6.48	756170.625	555.804212			6
Height summation:			**8216782.375**				
Concentration		CF:	**519.097025**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.68**	
4.78	4.81	4.84	10907909	372.615334			1
4.89	4.92	4.95	8223094	388.691389			2
5.03	5.06	5.09	9474972	427.379255			3
5.26	5.29	5.32	6743512	412.430423			4
5.45	5.48	5.51	19980868	424.884846			5
6.10	6.12	6.16	4264475.5	447.951958			6
Height summation:			**59594830.5**				
Concentration		CF:	**412.325534**	L:			

Data Summary

Sample Name: 6706982 MSACF DF10 TS-25 MS Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.4 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 10, 2012 20:53:49
Instrument	17342A
Result file	5P20188.0017.RAW
Calibration file	2P20188
Method file	PESTDI20

Analysis Report (B)

Injected on	Jul 10, 2012 20:53:49
Instrument	17342B
Result file	5P20188B.0017.RAW
Calibration file	2P20188B
Method file	PESTDI20B

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☐	Aroclor-1016	B	253.774822	167.7632	35.5263		54.62	4	40	
☑	Aroclor-1221			<167.7632	<45.3947			3	40	
☑	Aroclor-1232			<167.7632	<78.9474			4	40	
☑	Aroclor-1242			<167.7632	<32.5658			4	40	
☑	Aroclor-1248			<167.7632	<32.5658			4	40	
☑	Aroclor-1254			<167.7632	<32.5658			4	40	
☑	Aroclor-1260	A	519.097025	167.7632	48.3553		22.93	4	40	
☐	Aroclor-1262			<167.7632	<32.5658			4	40	
☐	Aroclor-1268			<167.7632	<32.5658			4	40	
☐	Total PCBs	A	772.871847	167.7632	32.5658		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Souders Chemist
Date: JUL 11 2012

Verified by:
Date: 7/11/12

7/11/2012

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706982** MSACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.4 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 20:53:49
Instrument : P 20--17342A
Result file : 5p20188.0017.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 92% (33-143) Conc.: 9.317223
%SSR(DCB) : 113% (24-164) Conc.: 11.110628

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					8	28.05	
3.27	3.30	3.33	228602.125	160.849135			1
+ 3.61	3.61	3.66	10747.381836	6.022032			2
3.61	3.64	3.66	197111.28125	110.446482			2
3.83	3.86	3.89	305260.375	147.397574			3
3.89	3.92	3.95	275345.71875	146.578865			4
+ 3.96	3.97	4.02	17741.59375	15.601868			5
3.96	3.99	4.02	172315.54687	151.53342			5
3.96	4.02	4.02	127252.92968	111.905583			5
+ 4.09	4.10	4.15	2549.914307	1.98333			6
4.09	4.12	4.15	196109.23437	152.534277			6
4.09	4.15	4.15	67599.132813	52.578783			6
Height Summation:			1569596.343751				
Amount Avg CF:			129.228015	Linear:			
Aroclor-1221					3	40.50	
3.16	3.19	3.22	38792.789063	51.681095			1
3.22	3.25	3.28	52034.488281	81.012133			2
3.27	3.30	3.33	228602.125	119.592179			3
Height Summation:			319429.402344				
Amount Avg CF:			84.095136	Linear:			
Aroclor-1232					8	35.67	
3.27	3.30	3.33	228602.125	114.184298			1
3.61	3.64	3.67	197111.28125	201.065615			2
3.83	3.86	3.89	305260.375	266.030292			3
3.90	3.92	3.95	275345.71875	273.455224			4
+ 3.96	3.97	4.02	17741.59375	32.333317			5
3.96	3.99	4.02	172315.54687	314.037921			5
3.96	4.02	4.02	127252.92968	231.913175			5
+ 4.10	4.10	4.16	2549.914307	3.845506			6
4.10	4.12	4.16	196109.23437	295.750839			6
4.10	4.15	4.16	67599.132813	101.945736			6
Height Summation:			1569596.343751				
Amount Avg CF:			224.797888	Linear:			
Aroclor-1242					8	28.27	
3.27	3.30	3.33	228602.125	192.48069			1
3.61	3.64	3.67	197111.28125	133.621925			2
3.83	3.86	3.89	305260.375	174.865817			3
3.90	3.92	3.96	275345.71875	182.28523			4
+ 3.97	3.97	4.03	17741.59375	19.696292			5
3.97	3.99	4.03	172315.54687	191.300584			5
3.97	4.02	4.03	127252.92968	141.273148			5
+ 4.10	4.10	4.16	2549.914307	2.316213			6
4.10	4.12	4.16	196109.23437	178.135699			6
4.10	4.15	4.16	67599.132813	61.403629			6
Height Summation:			1569596.343751				
Amount Avg CF:			156.92084	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 20:53:49
Instrument : P 20--17342B
Result file : 5p20188B.0017.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 57% (33-143) Conc.: 5.838927
%SSR(DCB) : 82% (24-164) Conc.: 8.095451

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					7	109.92	
+ 3.11	3.14	3.17	771534.75	~~105.195207~~			1
3.11	3.16	3.17	5799847.5	790.782471			1
3.45	3.48	3.51	1031396.1875	115.02588			2
3.65	3.68	3.70	1096605.375	107.73543			3
+ 3.72	3.73	3.78	24358.117188	~~2.315054~~			4
3.72	3.75	3.78	1084570.75	103.080225			4
3.79	3.79	3.85	686633.875	104.516593			5
3.79	3.81	3.85	749179.0625	114.036965			5
+ 3.79	3.83	3.85	192977.45312	~~29.374237~~			5
3.90	3.92	3.96	2518198.75	291.98796			6
+ 3.90	3.95	3.96	295004.90625	~~34.206149~~			6
Height Summation:			12966431.500000				
Amount Avg CF:			232.452218	Linear:			
Aroclor-1221					4	158.25	
2.99	2.99	3.05	49123.390625	12.152057			1
2.99	3.02	3.05	113355.09375	28.041583			1
+ 2.99	3.04	3.05	20977.875	5.18947			1
3.05	3.08	3.11	197579.95312	67.439329			2
+ 3.11	3.14	3.17	771534.75	75.846305			3
3.11	3.16	3.17	5799847.5	570.158376			3
Height Summation:			6159905.937500				
Amount Avg CF:			169.447836	Linear:			
Aroclor-1232					7	55.05	
+ 3.11	3.14	3.17	771534.75	76.235528			1
3.11	3.16	3.17	5799847.5	573.084283			1
3.45	3.48	3.51	1031396.1875	217.014026			2
3.65	3.68	3.71	1096605.375	207.286019			3
+ 3.72	3.73	3.78	24358.117188	4.50299			4
3.72	3.75	3.78	1084570.75	200.500339			4
E 3.79	3.79	3.85	686633.875	732.961248			5
E 3.79	3.81	3.85	749179.0625	799.726376			5
+ 3.79	3.83	3.85	192977.45312	205.997694			5
3.90	3.92	3.96	2518198.75	630.683025			6
+ 3.90	3.95	3.96	295004.90625	73.883996			6
Height Summation:			12966431.500000				
Amount Avg CF:			480.179331	Linear:			
Aroclor-1242					7	77.18	
+ 3.11	3.14	3.17	771534.75	127.021835			1
E 3.11	3.16	3.17	5799847.5	954.859481			1
3.45	3.48	3.51	1031396.1875	144.082822			2
3.65	3.68	3.71	1096605.375	138.025929			3
+ 3.72	3.73	3.78	24358.117188	2.950682			4
3.72	3.75	3.78	1084570.75	131.382214			4
3.79	3.79	3.85	686633.875	450.109717			5
3.79	3.81	3.85	749179.0625	491.110019			5
+ 3.79	3.83	3.85	192977.45312	126.502682			5
3.90	3.92	3.96	2518198.75	370.147791			6
+ 3.90	3.95	3.96	295004.90625	43.362508			6
Height Summation:			12966431.500000				
Amount Avg CF:			382.816853	Linear:			

Lancaster Laboratories-Multiple Component Peak Data Report

Sample Name: **6706982** MSACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.4 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 20:53:49
Instrument : P 20--17342A
Result file : 5p20188.0017.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**8**	**67.03**	
+ 3.96	3.97	4.02	17741.59375	10.942166			1
3.96	3.99	4.02	172315.54687	106.275982			1
3.96	4.02	4.02	127252.92968	78.483517			1
+ 4.09	4.10	4.15	2549.914307	1.36415			2
4.09	4.12	4.15	196109.23437	104.914279			2
4.09	4.15	4.15	67599.132813	36.164102			2
4.19	4.22	4.25	223256.71875	133.976121			3
4.37	4.38	4.43	405754.09375	278.266735			4
+ 4.37	4.43	4.43	115688.07031	79.339043			4
4.51	4.54	4.57	369822.3125	219.19316			5
4.78	4.81	4.84	434264.5625	357.642703			6
Height Summation:			**1996374.531251**				
Amount Avg CF:			**164.364575**	Linear:			
Aroclor-1254					**6**	**97.35**	
4.51	4.54	4.58	369822.3125	119.118229			1
4.72	4.76	4.78	278341.0625	139.068365			2
4.78	4.81	4.84	434264.5625	113.820854			3
5.00	5.03	5.06	189226	62.683135			4
5.20	5.23	5.26	773736.25	328.140728			5
5.32	5.35	5.38	2070746.875	680.911475			6
Height Summation:			**4116137.062500**				
Amount Avg CF:			**240.623798**	Linear:			
Aroclor-1260					**6**	**10.87**	
5.11	5.14	5.17	1656305.375	453.816272			1
5.20	5.23	5.26	773736.25	446.870336			2
5.32	5.35	5.38	2070746.875	518.945937			3
5.38	5.41	5.44	1266435.875	570.923104			4
5.99	6.02	6.05	1693387.375	568.222288			5
6.42	6.45	6.48	756170.625	555.804212			6
Height Summation:			**8216782.376000**				
Amount Avg CF:			**519.097025**	Linear:			
Aroclor-1262					**6**	**22.01**	
5.11	5.14	5.17	1656305.375	549.005896			1
5.38	5.41	5.44	1266435.875	322.445149			2
5.55	5.58	5.61	1244096.75	458.387445			3
5.79	5.82	5.85	3277581.5	443.081882			4
5.99	6.02	6.05	1693387.375	410.318994			5
6.43	6.45	6.49	756170.625	303.662943			6
Height Summation:			**9893977.500000**				
Amount Avg CF:			**414.483718**	Linear:			
Aroclor-1268					**6**	**88.89**	
5.99	6.02	6.05	1693387.375	210.756975			1
6.05	6.07	6.11	510408.53125	73.686151			2
6.18	6.21	6.24	37332.566406	5.943029			3
+ 6.25	6.27	6.31	28778.021484	16.829432			4
6.25	6.30	6.31	286248.625	167.398642			4
6.43	6.45	6.49	756170.625	264.015201			5
6.63	6.65	6.69	165037.76562	9.166035			6
Height Summation:			**3448585.488281**				
Amount Avg CF:			**121.827672**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 20:53:49
Instrument : P 20--17342B
Result file : 5p20188B.0017.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**9**	**95.14**	
3.79	3.79	3.85	686633.875	81.814054			1
3.79	3.81	3.85	749179.0625	89.266461			1
+ 3.79	3.83	3.85	192977.45312	22.993721			1
3.90	3.92	3.96	2518198.75	205.618431			2
+ 3.90	3.95	3.96	295004.90625	24.08803			2
+ 4.14	4.15	4.20	162652.98437	9.386713			3
4.14	4.17	4.20	2012464.125	116.139422			3
4.14	4.20	4.20	206355.125	11.908766			3
4.47	4.50	4.53	423977.03125	76.270731			4
+ 4.54	4.55	4.60	298604.1875	37.747399			5
4.54	4.58	4.60	3351578.75	423.682536			5
4.71	4.71	4.77	233134.78125	33.734667			6
+ 4.71	4.74	4.77	186664.79687	27.010448			6
4.71	4.76	4.77	2694638	389.914862			6
Height Summation:			**12876159.500000**				
Amount Avg CF:			**158.705548**	Linear:			
Aroclor-1254					**7**	**127.35**	
4.47	4.50	4.53	423977.03125	30.359886			1
+ 4.54	4.55	4.60	298604.1875	12.58348			2
4.54	4.58	4.60	3351578.75	141.238887			2
4.71	4.71	4.77	233134.78125	11.898012			3
+ 4.71	4.74	4.77	186664.79687	9.526421			3
4.71	4.76	4.77	2694638	137.520601			3
4.78	4.81	4.84	10907909	869.206146			4
4.95	4.98	5.01	834125.9375	66.468004			5
5.03	5.06	5.09	9474972	482.084307			6
+ 5.03	5.09	5.09	7032190.5	357.796169			6
Height Summation:			**27920335.500000**				
Amount Avg CF:			**248.396549**	Linear:			
Aroclor-1260					**6**	**6.68**	
4.78	4.81	4.84	10907909	372.615334			1
4.89	4.92	4.95	8223094	388.691389			2
5.03	5.06	5.09	9474972	427.379255			3
5.26	5.29	5.32	6743512	412.430423			4
+ 5.26	5.31	5.32	707833.8125	43.290825			4
5.45	5.48	5.51	19980868	424.884846			5
6.10	6.12	6.16	4264475.5	447.951958			6
Height Summation:			**59594830.500000**				
Amount Avg CF:			**412.325534**	Linear:			
Aroclor-1262					**6**	**36.80**	
4.89	4.92	4.95	8223094	447.577735			1
5.06	5.09	5.12	7032190.5	215.868243			2
5.26	5.29	5.32	6743512	264.594688			3
+ 5.26	5.31	5.32	707833.8125	27.773224			3
5.45	5.48	5.51	19980868	313.425959			4
5.67	5.70	5.73	3523636.25	154.625752			5
6.10	6.12	6.16	4264475.5	241.632843			6
Height Summation:			**49767776.250000**				
Amount Avg CF:			**272.954203**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706982** MSACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30.4 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 20:53:49
Instrument : P 20--17342A
Result file : 5p20188.0017.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 10, 2012 20:53:49
Instrument : P 20--17342B
Result file : 5p20188B.0017.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**115.26**	
5.67	5.70	5.73	3523636.25	48.148608			1
5.72	5.74	5.78	12699964	202.059772			2
5.87	5.90	5.93	259897.14062	6.196643			3
5.94	5.94	6.00	314938.09375	28.30987			4
+ 5.94	5.97	6.00	70403.242188	6.328566			4
6.10	6.12	6.16	4264475.5	207.034326			5
6.30	6.33	6.36	811932.125	5.649667			6

Height Summation: **21874843.109375**
Amount Avg CF: **82.899814** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			167.7632	35.5263		** 57.08	4	40	
Aroclor-1221			167.7632	45.3947		** 67.33	3	40	
Aroclor-1232			167.7632	78.9474		** 72.45	4	40	
Aroclor-1242			167.7632	32.5658		** 83.71	4	40	
Aroclor-1248			167.7632	32.5658		3.50	4	40	
Aroclor-1254			167.7632	32.5658		3.18	4	40	
Aroclor-1260			167.7632	48.3553		22.93	4	40	
Aroclor-1262			167.7632	32.5658		** 41.18	4	40	
Aroclor-1268			167.7632	32.5658		38.03	4	40	
Total PCBs			167.7632	32.5658					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706982MSACF DF10 ADTS-25 MS 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/10/2012 8:53:48 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0017.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.541		17426	36450
2.583		24972	50714
2.606		25316	25445
2.649		35909	65358
2.663		35973	29990
2.705		37983	54666
2.719		39414	47611
2.742		39594	49725
2.766		43648	41292
2.805		8085	19271
2.815		5871	3454
2.837		7987	6069
2.866		8753	9349
2.908		16695	17042
2.942		3987	2841
2.957		4415	3159
3.002		168275	144866
3.038	TCX	731338	557530
3.094		10556	7775
3.125		17716	20184
3.16		13650	16375
3.191		38793	39627
3.25		52034	49796
3.299		228602	189533
3.349		1299332	1056880
3.395		51956	42853
3.418		3823	1635
3.443		3650	3124
3.47		6511	7114
3.518		210116	140218
3.535		90243	52143
3.573		25819	18555
3.591		2374	1047
3.605		10747	6416
3.635		197111	163797
3.669		7325	6391
3.704		14509	14227
3.748		50680	33508
3.764		20067	12625
3.823		511870	760569
3.862		305260	281847
3.924		275346	253540
3.966		17742	11860
3.994		172316	142769
4.022		127253	110346
4.051		283096	257784
4.099		2550	951
4.124		196109	163713
4.15		67599	48540
4.181		63286	50678
4.218		223257	254200
4.26		68277	64524
4.302		10860	14020
4.347		19223	19713

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RT A	Compound A	Height A	Area A
4.384		405754	442919
4.431		115688	104280
4.469		13083	9806
4.5		86229	84679
4.543		369822	403834
4.58		49825	46885
4.623		21558	19042
4.646		6315	6731
4.689		46605	44696
4.761		278341	367600
4.807		434265	450700
4.856		673680	903661
4.895		100620	74027
4.935		1372880	1559501
4.971		4907	10027
5.028		189226	374775
5.087		402665	507599
5.14		1656305	2376652
5.191		337815	341554
5.234		773736	975780
5.276		8380	3669
5.313		167263	212284
5.349		2070747	2507898
5.413		1266436	1371237
5.457		768037	860670
5.579		1244097	2106091
5.636		619837	672473
5.676		345148	360163
5.718		69550	76083
5.761		400767	451596
5.817		3277582	4027259
5.911		27071	55943
5.975		35782	49757
6.023		1693387	1982801
6.073		510409	988755
6.21		37333	56730
6.271		28778	24764
6.296		286249	316933
6.357		4170	6622
6.452		756171	888582
6.497		41608	49345
6.654		165038	193478
6.692		14299	13627
6.802	DCB	486568	730066
6.973		7039	16647
7.086		242620	441388
7.206		11359	16859
7.274		2645	4732
7.329		1586	1188
7.406		3172	3757
7.5		8756	39532
7.68		1023	834
7.762		1276	768
7.808		1555	1917
7.933		1682	879
8.084		5796	14574
8.249		1324	762
8.299		1678	927
8.352		2988	5153
8.452		18247	43716
8.665		4045	8412

ASX67 0951

LANCASTER LABORATORIES

Sample Number: 6706982MSACF DF10 ADTS-25 MS 121840016A 10736 Injection Volume: 1 ul SW-846 8082
Injected On: 7/10/2012 8:53:48 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0017.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.517		89589	168356
2.559		150440	108607
2.571		176702	145394
2.599		244858	664075
2.651		199175	154040
2.679		224041	524175
2.71		156996	232184
2.759		103042	208287
2.792		28526	23872
2.814		35466	24581
2.844	TCX	2654663	1505924
2.862		1971476	1291024
2.949		122047	263329
2.992		49123	47617
3.018		113355	68942
3.037		20978	11618
3.082		197580	272935
3.137		771535	495690
3.162		5799848	3856197
3.186		453105	274721
3.213		216054	144640
3.253		450237	378606
3.317		29305	30615
3.35		1045734	1202007
3.402		160855	144912
3.434		99163	94456
3.478		1031396	997129
3.529		80489	67354
3.561		260041	159429
3.576		111363	67585
3.638		2144505	2475481
3.675		1096605	981292
3.727		24358	19816
3.753		1084571	809977
3.787		686634	493324
3.814		749179	538464
3.835		192978	111433
3.88		124461	99088
3.919		2518199	2708340
3.954		295005	186494
3.977		322081	241589
4.011		41416	29681
4.028		792229	587400
4.075		248317	217906
4.098		11309	5474
4.123		29702	22277
4.147		162653	103467
4.17		2012464	1564038
4.198		206355	128697
4.221		157554	95238
4.238		263799	214027
4.276		1495817	1234474
4.31		220317	204462
4.335		106929	66836

ASX67 0932

RT B	Compound B	Height B	Area B
4.351		44778	34146
4.392		508295	393245
4.436		81331	58004
4.455		130638	90030
4.498		423977	454612
4.547		298604	233853
4.576		3351579	3599774
4.604		1132451	1189547
4.661		7184797	7056392
4.709		233135	237843
4.736		186665	124803
4.761		2694638	2463150
4.807		10907910	10447670
4.878		1340518	1366034
4.92		8223094	9137355
4.978		834126	850717
5.017		2913597	2837000
5.056		9474972	9308174
5.089		7032191	6366919
5.13		4475820	4355741
5.201		118983	131189
5.236		1508177	1817104
5.288		6743512	6456088
5.315		707834	479134
5.363		4229236	4473637
5.4		1672567	1398279
5.424		1235845	1085722
5.481		19980870	21042090
5.524		337868	273524
5.559		514701	510747
5.647		8033	2934
5.697		3523636	3779035
5.743		12699960	14144950
5.785		74734	90985
5.831		45570	182600
5.9		259897	334189
5.943		314938	289740
5.969		70403	52593
6.02		1897602	1919797
6.095		24479	19193
6.124		4264476	4190130
6.156		157144	117113
6.223		74212	76566
6.26		35204	37043
6.326		811932	912086
6.488	DCB	2575741	2932412
6.713		414589	493209
6.797		9271	7977
6.901		18303	17045
6.953		1155051	1835184
7.034		57662	75279
7.102		12251	12037
7.143		22654	55245
7.251		24473	28918
7.506		24938	33428
7.627		6984	12558
7.737		4477	1730
7.751		6758	5510
7.816		5187	2651
7.934		15567	41588
8.071		4555	5412
8.147		5807	7233
8.215		19562	34312
8.333		83904	226391
8.492		3527	2150
8.596		5027	3244

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RT B	Compound B	Height B	Area B
8.684		7455	6191

ASX67 0934

6706982MSACF DF10 ADTS-25 MS 121840016A 10736 SW-846 8082

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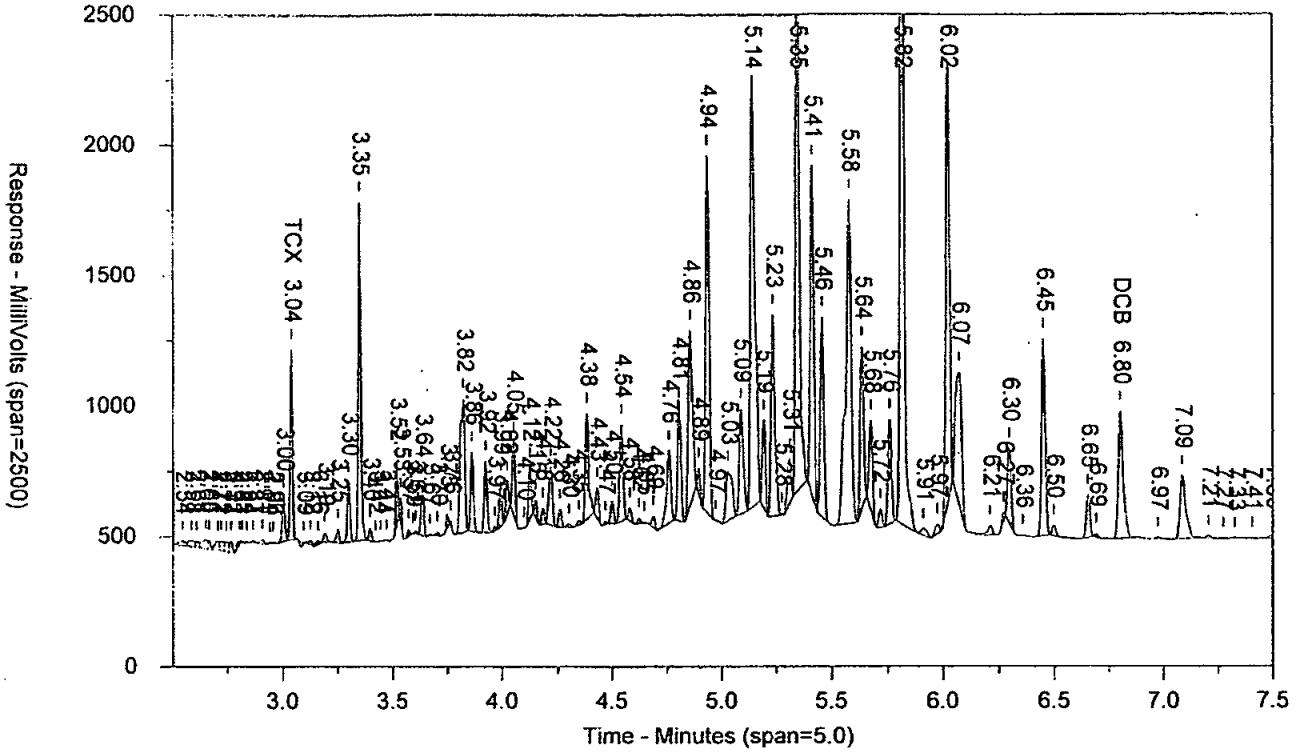

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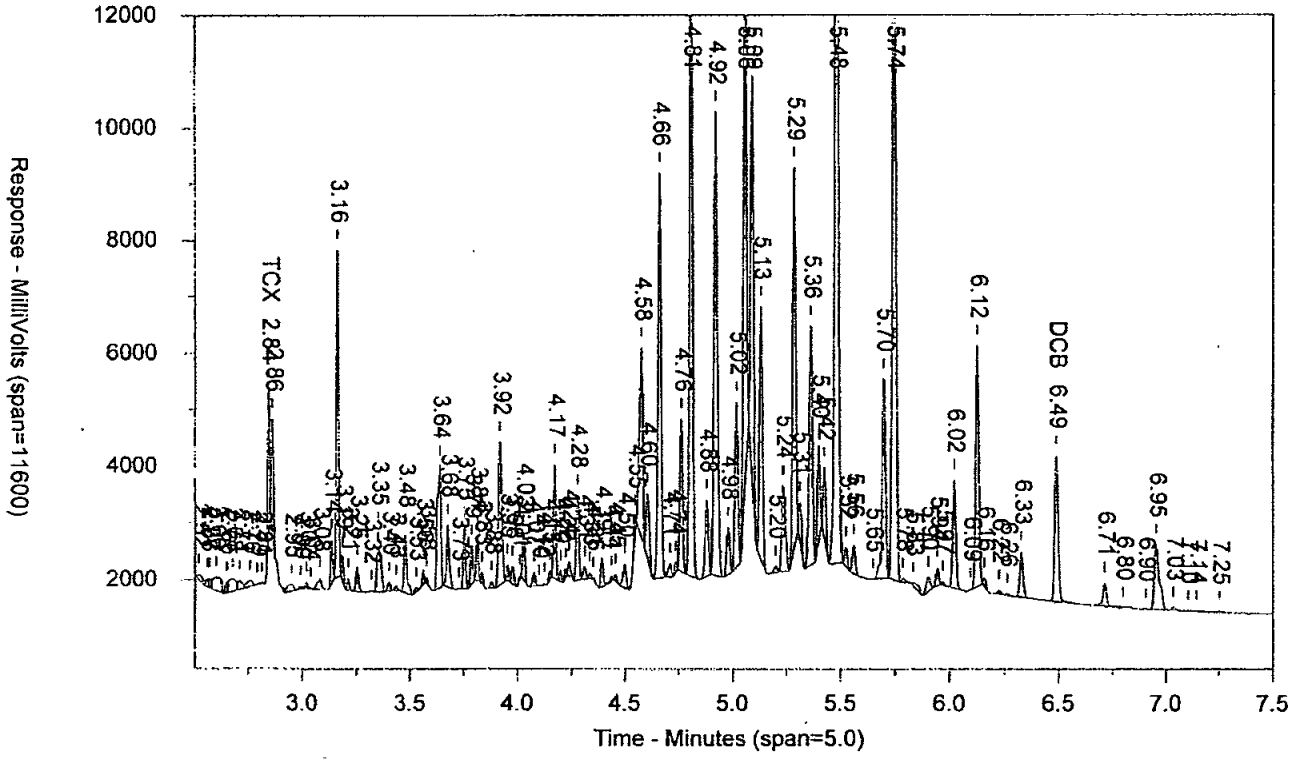

ASX67 0935

LANCASTER LABORATORIES

Sample Number: 6706982MSACF DF10 ADTS-25 MS 121840016A 10736 Sample Weight: 30.4SW-846 8082
Injected On: 7/10/2012 8:53:48 PM Dilution Factor: 100
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	731338	9.317	TCX	2.844	2654663	5.839	TCX
6.802	486568	11.111	DCB	6.488	2575741	8.095	DCB

Files:
Area File: 5p20188.0017.RAW
Area File: 5p20188B.0017.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 9:02:31 PM
File Reported On: 7/10/2012 at 9:02:36 PM

ASX67 8936

6706982MSACF DF10 ADTS-25 MS 121840016A 10736 SW-846 8082

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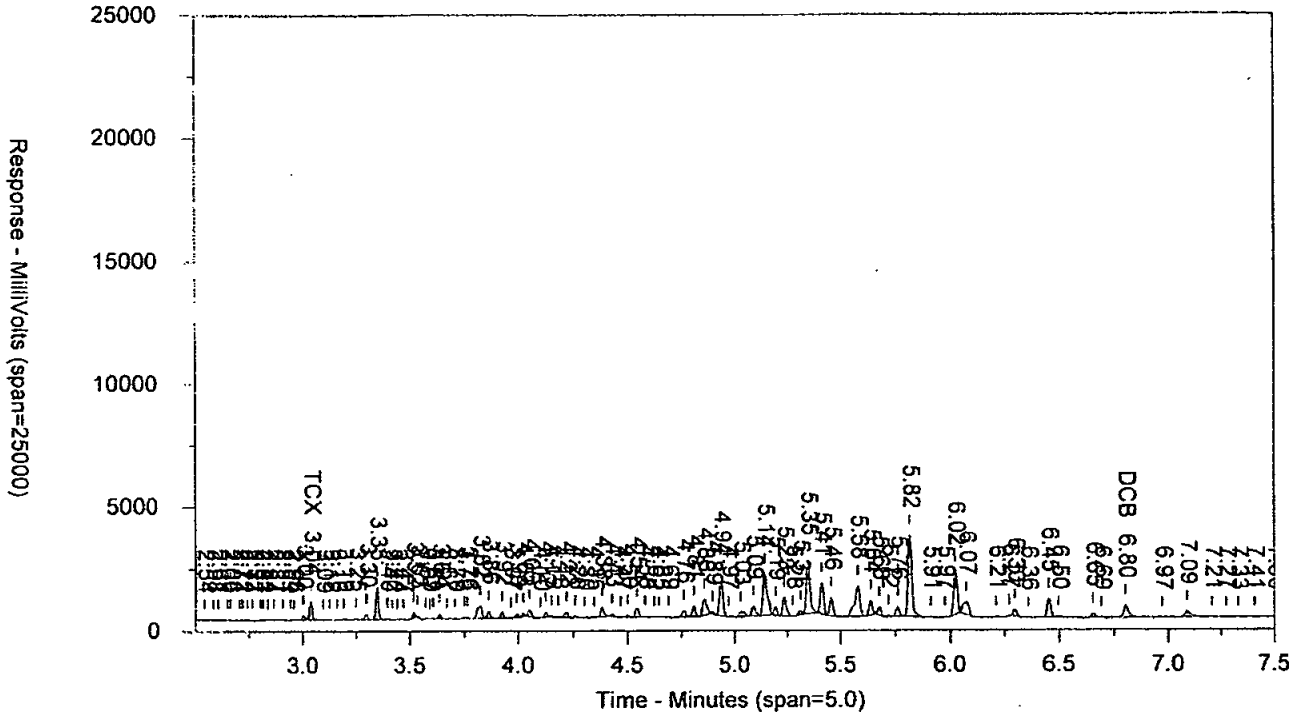

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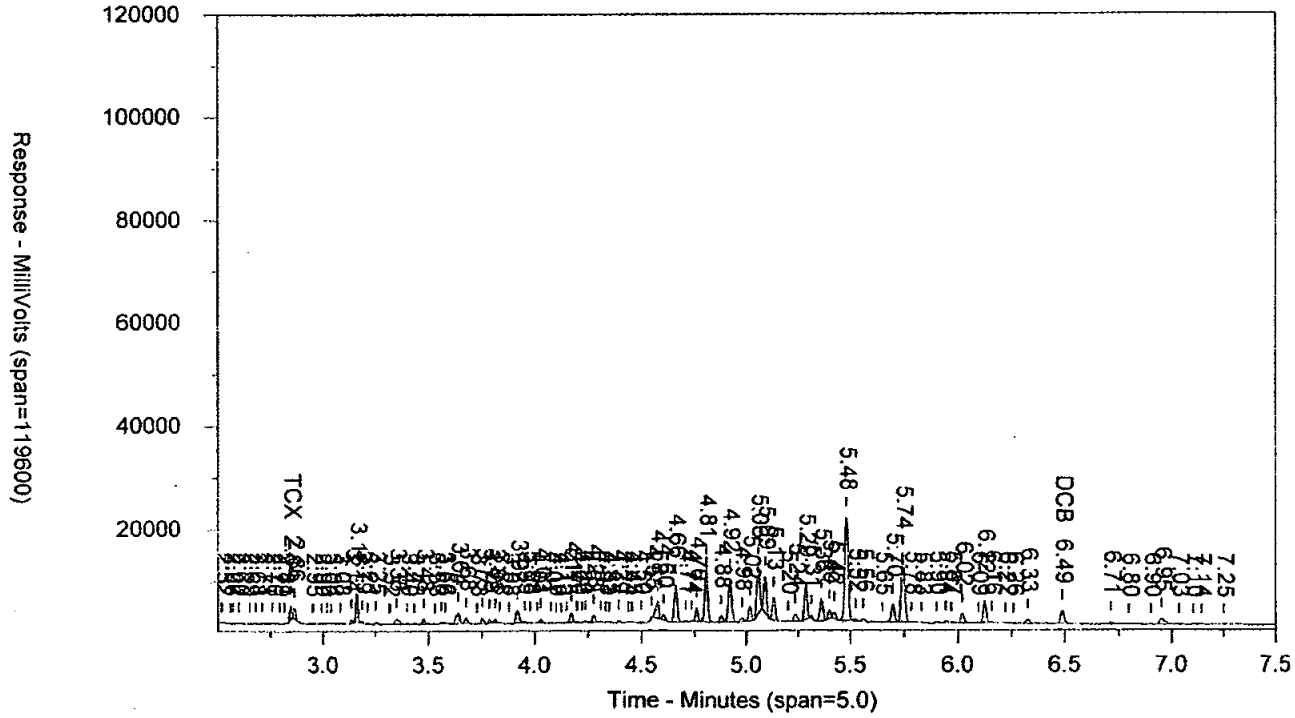

ASX67 0937

Data Summary

Sample Name: 6706983 MSDACF DF10 TS-25 MSD Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on Jul 10, 2012 21:05:12
Instrument 17342A
Result file 5P20188.0018.RAW
Calibration file 2P20188
Method file PESTDI20

%SSR(TCX) 99% (33 - 143) Conc: 10.228921
%SSR(DCB) 111% (24 - 164) Conc: 11.104398

Analysis Report (B)

Injected on Jul 10, 2012 21:05:12
Instrument 17342B
Result file 5P20188B.0018.RAW
Calibration file 2P20188B
Method file PESTDI20B

%SSR(TCX) 76% (33 - 143) Conc: 7.816801
%SSR(DCB) 80% (24 - 164) Conc: 8.004782

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.02	3.04	3.06	792336	10.228921	Tetrachloro-m-xylene	2.82	2.84	2.86	3507140	7.816801
Decachlorobiphenyl	6.78	6.80	6.82	479896	11.104398	Decachlorobiphenyl	6.47	6.49	6.51	2513380	8.004782

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	10.228921				26.73	
☑ Decachlorobiphenyl	A	11.104398				32.44	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.71**	
3.27	3.30	3.33	227521.96875	162.223636			1
3.61	3.64	3.66	248721.51562	141.223213			2
3.83	3.86	3.89	304018.625	148.755291			3
3.89	3.93	3.95	265789.03125	143.377964			4
3.96	3.99	4.02	179964.17187	160.36971			5
4.09	4.13	4.15	192806.85937	151.965224			6
Height summation:			**1418822.171875**				
Concentration		CF:	**151.319173**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**106.13**	
3.11	3.16	3.17	4389524.5	606.471317			1
3.45	3.48	3.51	971192.75	109.755882			2
3.65	3.68	3.70	1085340.75	108.050459			3
3.72	3.75	3.78	1071092.375	103.15653			4
3.79	3.79	3.85	741339.4375	114.348231			5
3.90	3.93	3.96	915645.1875	107.585684			6
Height summation:			**9174135**				
Concentration		CF:	**191.561351**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.92**	
5.11	5.14	5.17	1351046	375.113002			1
5.20	5.24	5.26	594949.625	348.193858			2
5.32	5.35	5.38	1620591.125	411.548371			3
5.38	5.42	5.44	985456.5	450.177932			4
5.99	6.02	6.05	1315284.375	447.233098			5
6.42	6.45	6.48	569937.25	424.503624			6
Height summation:			**6437264.875**				
Concentration		CF:	**409.461648**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**7.39**	
4.78	4.81	4.84	8462733	292.942366			1
4.89	4.92	4.95	6278863.5	300.748199			2
5.03	5.06	5.09	7041215.5	321.836627			3
5.26	5.29	5.32	5303451.5	328.681673			4
5.45	5.48	5.51	15901131	342.639348			5
6.10	6.13	6.16	3337865.75	355.293293			6
Height summation:			**46325260.25**				
Concentration		CF:	**323.690251**	L:			

Data Summary

Sample Name: 6706983 MSDACF DF10 TS-25 MSD Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on	Jul 10, 2012 21:05:12
Instrument	17342A
Result file	5P20188.0018.RAW
Calibration file	2P20188
Method file	PESTDI20

Analysis Report (B)

Injected on	Jul 10, 2012 21:05:12
Instrument	17342B
Result file	5P20188B.0018.RAW
Calibration file	2P20188B
Method file	PESTDI20B

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Max %RSD	Comments
☑	Aroclor-1016	B	191.561351	170	36		23.47	4	40	
☑	Aroclor-1221			<170	<46			3	40	
☑	Aroclor-1232			<170	<80			4	40	
☑	Aroclor-1242			<170	<33			4	40	
☑	Aroclor-1248			<170	<33			4	40	
☑	Aroclor-1254			<170	<33			4	40	
☑	Aroclor-1260	A	409.461648	170	49		23.40	4	40	
☐	Aroclor-1262			<170	<33			4	40	
☐	Aroclor-1268			<170	<33			4	40	
☐	Total PCBs	A	601.022998	170	33		200.00			

Units: ug/kg

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

Reviewed by: Monica M. Scouders Chemist
Date: JUL 11 2012

Verified by:
Date: 7/11/12

7/11/2012

ASX67 8939

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706983** MSDACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:05:12
Instrument : P 20--17342A
Result file : 5p20188.0018.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

%SSR(TCX) : 99% (33-143) Conc.: 10.228921
%SSR(DCB) : 111% (24-164) Conc.: 11.104398

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					7	29.58	
3.27	3.30	3.33	227521.96875	162.223636			1
3.61	3.64	3.66	248721.51562	141.223213			2
3.83	3.86	3.89	304018.625	148.755291			3
3.89	3.93	3.95	265789.03125	143.377964			4
+ 3.96	3.97	4.02	15556.925781	13.863091			5
3.96	3.99	4.02	179964.17187	160.36971			5
+ 4.09	4.10	4.15	3053.39624	2.406605			6
4.09	4.13	4.15	192806.85937	151.965224			6
4.09	4.15	4.15	59182.933594	46.64641			6
Height Summation:			**1478005.105469**				
Amount Avg CF:			**136.365921**	Linear:			
Aroclor-1221					3	43.14	
3.16	3.19	3.22	35751.195313	48.264032			1
3.22	3.25	3.28	52473.554688	82.784988			2
3.27	3.30	3.33	227521.96875	120.614128			3
Height Summation:			**315746.718751**				
Amount Avg CF:			**83.887716**	Linear:			
Aroclor-1232					8	36.79	
3.27	3.30	3.33	227521.96875	115.160035			1
3.61	3.64	3.67	248721.51562	257.09404			2
3.83	3.86	3.89	304018.625	268.480766			3
3.90	3.93	3.95	265789.03125	267.483674			4
+ 3.96	3.97	4.02	15556.925781	28.729875			5
3.96	3.99	4.02	179964.17187	332.350252			5
3.96	4.02	4.02	123981.84375	228.964447			5
+ 4.10	4.10	4.16	3053.39624	4.666201			6
4.10	4.13	4.16	192806.85937	294.647493			6
4.10	4.15	4.16	59182.933594	90.443375			6
Height Summation:			**1601986.949219**				
Amount Avg CF:			**231.82801**	Linear:			
Aroclor-1242					8	29.13	
3.27	3.30	3.33	227521.96875	194.125493			1
3.61	3.64	3.67	248721.51562	170.856666			2
3.83	3.86	3.89	304018.625	176.476551			3
3.90	3.93	3.96	265789.03125	178.304595			4
+ 3.97	3.97	4.03	15556.925781	17.501205			5
3.97	3.99	4.03	179964.17187	202.455796			5
3.97	4.02	4.03	123981.84375	139.476889			5
+ 4.10	4.10	4.16	3053.39624	2.810531			6
4.10	4.13	4.16	192806.85937	177.471135			6
4.10	4.15	4.16	59182.933594	54.475564			6
Height Summation:			**1601986.949219**				
Amount Avg CF:			**161.705336**	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 21:05:12
Instrument : P 20--17342B
Result file : 5p20188B.0018.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

%SSR(TCX) : 76% (33-143) Conc.: 7.816801
%SSR(DCB) : 80% (24-164) Conc.: 8.004782

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					7	104.04	
+ 3.11	3.14	3.17	814302.75	~~412.506779~~			1
3.11	3.16	3.17	4389524.5	606.471317			1
+ 3.45	3.45	3.51	32885.09375	~~3.716391~~			2
3.45	3.48	3.51	971192.75	109.755882			2
3.65	3.68	3.70	1085340.75	108.050459			3
3.72	3.75	3.78	1071092.375	103.15653			4
3.79	3.79	3.85	741339.4375	114.348231			5
3.79	3.82	3.85	742564.625	114.537211			5
+ 3.79	3.83	3.85	214906.84375	~~33.148402~~			5
3.90	3.93	3.96	915645.1875	107.585684			6
+ 3.90	3.95	3.96	305633.78125	~~35.944093~~			6
Height Summation:			**9916699.625000**				
Amount Avg CF:			**180.557902**	Linear:			
Aroclor-1221					3	132.38	
2.99	3.02	3.05	91116.15625	22.840689			1
+ 3.05	3.06	3.11	9759.106445	3.375458			2
3.05	3.08	3.11	172559.32812	59.684441			2
+ 3.11	3.14	3.17	814302.75	81.117987			3
3.11	3.16	3.17	4389524.5	437.269052			3
Height Summation:			**4653199.984375**				
Amount Avg CF:			**173.264727**	Linear:			
Aroclor-1232					7	67.47	
+ 3.11	3.14	3.17	814302.75	81.534264			1
3.11	3.16	3.17	4389524.5	439.513005			1
+ 3.45	3.45	3.51	32885.09375	7.011544			2
3.45	3.48	3.51	971192.75	207.071363			2
3.65	3.68	3.71	1085340.75	207.892144			3
3.72	3.75	3.78	1071092.375	200.64876			4
E 3.79	3.79	3.85	741339.4375	801.909247			5
E 3.79	3.82	3.85	742564.625	803.234536			5
+ 3.79	3.83	3.85	214906.84375	232.465422			5
3.90	3.93	3.96	915645.1875	232.381036			6
+ 3.90	3.95	3.96	305633.78125	77.566612			6
Height Summation:			**9916699.625000**				
Amount Avg CF:			**413.235727**	Linear:			
Aroclor-1242					7	76.36	
+ 3.11	3.14	3.17	814302.75	135.850462			1
E 3.11	3.16	3.17	4389524.5	732.306175			1
+ 3.45	3.45	3.51	32885.09375	4.655197			2
3.45	3.48	3.51	971192.75	137.481557			2
3.65	3.68	3.71	1085340.75	138.429531			3
3.72	3.75	3.78	1071092.375	131.47947			4
3.79	3.79	3.85	741339.4375	492.450515			5
3.79	3.82	3.85	742564.625	493.264372			5
+ 3.79	3.83	3.85	214906.84375	142.756449			5
3.90	3.93	3.96	915645.1875	136.384402			6
+ 3.90	3.95	3.96	305633.78125	45.523835			6
Height Summation:			**9916699.625000**				
Amount Avg CF:			**323.113717**	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706983** MSDACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:05:12
Instrument : P 20--17342A
Result file : 5p20188.0018.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					7	55.01	
+ 3.96	3.97	4.02	15556.925781	9.722697			1
3.96	3.99	4.02	179964.17187	112.473198			1
+ 4.09	4.10	4.15	3053.39624	1.655282			2
4.09	4.13	4.15	192806.85937	104.52288			2
4.09	4.15	4.15	59182.933594	32.083769			2
4.19	4.22	4.25	219785.875	133.651848			3
4.37	4.39	4.43	365691.125	254.135381			4
+ 4.37	4.43	4.43	99564.039063	69.191575			4
4.51	4.55	4.57	302547.4375	181.710363			5
4.78	4.81	4.84	325314.5625	271.488108			6
Height Summation:			1645292.964844				
Amount Avg CF:			155.72365	Linear:			
Aroclor-1254					6	97.40	
4.51	4.55	4.58	302547.4375	98.748595			1
4.72	4.76	4.78	212244.8125	107.458427			2
4.78	4.81	4.84	325314.5625	86.401898			3
5.00	5.03	5.06	156973.78125	52.692566			4
5.20	5.24	5.26	594949.625	255.681742			5
5.32	5.35	5.38	1620591.125	539.994608			6
Height Summation:			3212621.343750				
Amount Avg CF:			190.162973	Linear:			
Aroclor-1260					6	9.92	
5.11	5.14	5.17	1351046	375.113002			1
5.20	5.24	5.26	594949.625	348.193858			2
5.32	5.35	5.38	1620591.125	411.548371			3
5.38	5.42	5.44	985456.5	450.177932			4
5.99	6.02	6.05	1315284.375	447.233098			5
6.42	6.45	6.48	569937.25	424.503624			6
Height Summation:			6437264.875000				
Amount Avg CF:			409.461648	Linear:			
Aroclor-1262					6	24.60	
5.11	5.14	5.17	1351046	453.794327			1
5.38	5.42	5.44	985456.5	254.25086			2
5.55	5.58	5.61	1007572.625	376.19			3
5.79	5.82	5.85	2506850	343.408602			4
5.99	6.02	6.05	1315284.375	322.951491			5
6.43	6.45	6.49	569937.25	231.927029			6
Height Summation:			7736146.750000				
Amount Avg CF:			330.420385	Linear:			
Aroclor-1268					6	88.53	
5.99	6.02	6.05	1315284.375	165.881376			1
6.05	6.07	6.11	379064.25	55.454029			2
6.18	6.21	6.24	30217.095703	4.874444			3
+ 6.25	6.27	6.31	15160.361328	8.984014			4
6.25	6.30	6.31	226084.5	133.977429			4
6.43	6.45	6.49	569937.25	201.645484			5
6.63	6.66	6.69	131830.96875	7.419386			6
Height Summation:			2652418.439453				
Amount Avg CF:			94.875358	Linear:			

Analysis Report (B)

Injected on : JUL 10, 2012 21:05:12
Instrument : P 20--17342B
Result file : 5p20188B.0018.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					9	94.12	
3.79	3.79	3.85	741339.4375	89.510116			1
3.79	3.82	3.85	742564.625	89.658046			1
+ 3.79	3.83	3.85	214906.84375	25.948082			1
3.90	3.93	3.96	915645.1875	75.762027			2
+ 3.90	3.95	3.96	305633.78125	25.288654			2
+ 4.14	4.15	4.20	187414.40625	10.959906			3
4.14	4.17	4.20	1700905.75	99.468161			3
4.14	4.20	4.20	208468.23437	12.191123			3
4.47	4.50	4.53	375457.65625	68.442974			4
+ 4.54	4.55	4.60	292162.625	37.425544			5
4.54	4.58	4.60	2771269.75	354.995023			5
+ 4.71	4.71	4.77	177290.89062	25.996095			6
4.71	4.74	4.77	254961.71875	37.384938			6
4.71	4.76	4.77	1975252.25	289.630473			6
Height Summation:			9685864.609375				
Amount Avg CF:			124.115876	Linear:			
Aroclor-1254					7	125.47	
4.47	4.50	4.53	375457.65625	27.244014			1
+ 4.54	4.55	4.60	292162.625	12.476186			2
4.54	4.58	4.60	2771269.75	118.341206			2
+ 4.71	4.71	4.77	177290.89062	9.168665			3
4.71	4.74	4.77	254961.71875	13.18544			3
4.71	4.76	4.77	1975252.25	102.150907			3
4.78	4.81	4.84	8462733	683.351654			4
4.95	4.98	5.01	747054.875	60.323405			5
5.03	5.06	5.09	7041215.5	363.032097			6
+ 5.03	5.09	5.09	5672425.5	292.459807			6
Height Summation:			21627944.750000				
Amount Avg CF:			195.375532	Linear:			
Aroclor-1260					6	7.39	
4.78	4.81	4.84	8462733	292.942366			1
4.89	4.92	4.95	6278863.5	300.748199			2
5.03	5.06	5.09	7041215.5	321.836627			3
5.26	5.29	5.32	5303451.5	328.681673			4
+ 5.26	5.32	5.32	521952.78125	32.34805			4
5.45	5.48	5.51	15901131	342.639348			5
6.10	6.13	6.16	3337865.75	355.293293			6
Height Summation:			46325260.250000				
Amount Avg CF:			323.690251	Linear:			
Aroclor-1262					6	35.24	
4.89	4.92	4.95	6278863.5	346.311242			1
5.06	5.09	5.12	5672425.5	176.449023			2
5.26	5.29	5.32	5303451.5	210.865688			3
+ 5.26	5.32	5.32	521952.78125	20.752887			3
5.45	5.48	5.51	15901131	252.7557			4
+ 5.67	5.68	5.73	38825.0625	1.726455			5
5.67	5.70	5.73	2762175.5	122.827144			5
6.10	6.13	6.16	3337865.75	191.651196			6
Height Summation:			39255912.750000				
Amount Avg CF:			216.809999	Linear:			

Lancaster Laboratories Multiple Component Peak Data Report

Sample Name: **6706983** MSDACF DF10 TS-25 Sample ID: AD **Batchnumber: 121840016A**
Sample Amount: 30 g Total Volume: 100 ml Analyst: 2855 SDG: ASX67 State: DE
Analyses: 10736

Analysis Report (A)

Injected on : JUL 10, 2012 21:05:12
Instrument : P 20--17342A
Result file : 5p20188.0018.RAW
Calibration file : 2p20188.CAL
Method file : PESTDI20.MET

Analysis Report (B)

Injected on : JUL 10, 2012 21:05:12
Instrument : P 20--17342B
Result file : 5p20188B.0018.RAW
Calibration file : 2P20188b.CAL
Method file : PESTDI20B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**114.94**	
+ 5.67	5.68	5.73	38825.0625	0.537597			1
5.67	5.70	5.73	2762175.5	38.246902			1
5.72	5.75	5.78	10009586	161.378552			2
5.87	5.90	5.93	236045.01562	5.702984			3
5.94	5.94	6.00	240256.4375	21.884672			4
+ 5.94	5.97	6.00	59220.351563	5.394311			4
6.10	6.13	6.16	3337865.75	164.209367			5
6.30	6.33	6.36	699590.8125	4.932868			6

Height Summation: **17285519.515625**
Amount Avg CF: **66.059224** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			170	36		27.89	4	40	
Aroclor-1221			170	46		** 69.51	3	40	
Aroclor-1232			170	80		** 56.24	4	40	
Aroclor-1242			170	33		** 66.58	4	40	
Aroclor-1248			170	33		22.59	4	40	
Aroclor-1254			170	33		2.70	4	40	
Aroclor-1260			170	49		23.40	4	40	
Aroclor-1262			170	33		** 41.52	4	40	
Aroclor-1268			170	33		35.81	4	40	
Total PCBs			170	33					

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 6706983MSDACF DF10 ADTS-25 MSD 121840016A 10736Injection Volume: 1 ul SW-846 8082
Injected On: 7/10/2012 9:05:12 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 5p20188.0018.RAW
Method File: PESTDI20.MET
Calibration File: 2p20188.CAL

RT A	Compound A	Height A	Area A
2.543		2370	3225
2.582		6742	10076
2.614		6175	7177
2.647		10877	10313
2.664		11535	16460
2.7		9477	10652
2.718		9112	8402
2.739		11582	17488
2.769		8839	7233
2.807		1639	3956
2.819		3458	1942
2.873		3138	2218
2.91		33118	27170
3.002		11058	10435
3.038	TCX	792336	603110
3.092		3290	1312
3.129		8073	8106
3.154		4313	3290
3.191		35751	33319
3.25		52474	50833
3.299		227522	191756
3.349		1031715	800477
3.394		27057	21084
3.471		1482	1262
3.496		3151	1583
3.518		205054	140518
3.535		82392	46383
3.573		23044	14728
3.589		2273	963
3.605		14256	8554
3.636		248722	204988
3.702		8869	14943
3.749		51016	36262
3.765		22620	12806
3.823		504540	759971
3.863		304019	275071
3.925		265789	242659
3.966		15557	12399
3.994		179964	147274
4.023		123982	112072
4.046		45186	33748
4.102		3053	2057
4.125		192807	165934
4.15		59183	44158
4.182		71622	58037
4.219		219786	249027
4.261		65292	60827
4.295		2636	2089
4.307		5955	4182
4.347		16621	15668
4.386		365691	407576
4.432		99564	87723
4.471		4169	3078
4.501		69995	70045

ASX67 0943

RT A	Compound A	Height A	Area A
4.545		302547	345729
4.581		45039	39957
4.624		17175	15364
4.664		11527	9454
4.693		35312	31626
4.762		212245	298743
4.809		325315	336402
4.857		542138	732621
4.896		86122	61350
4.937		1086437	1261797
5.028		156974	201268
5.089		306830	345824
5.142		1351046	1983681
5.193		263807	265108
5.235		594950	779258
5.279		5462	2042
5.314		134226	163830
5.35		1620591	1950576
5.415		985457	1092126
5.458		607464	681083
5.579		1007573	1617514
5.637		490082	552050
5.678		256677	276987
5.719		49934	53486
5.762		324226	352250
5.818		2506850	3064544
5.908		17780	40210
5.975		34065	47544
6.024		1315284	1517282
6.074		379064	768711
6.182		3635	2953
6.213		30217	34792
6.275		15160	17842
6.299		226085	244062
6.454		569937	676481
6.5		31807	37078
6.579		1392	1955
6.657		131831	156712
6.696		9029	8497
6.803	DCB	479896	642789
6.88		2465	2636
6.944		1333	574
6.979		14429	26683
7.087		33295	54835
7.266		940	909
7.301		1797	1763
7.357		1292	629
7.409		1794	725
7.497		7475	26055
7.618		723	314
7.691		1302	616
7.758		1635	1008
7.877		1037	429
7.933		2106	2839
8.013		1188	977
8.088		3037	6587
8.221		1506	2672
8.299		1040	638
8.352		1786	2804
8.425		1387	703
8.45		2031	2549
8.578		1558	1160

ASX67 8944

LANCASTER LABORATORIES

Sample Number: 6706983MSDACF DF10 ADTS-25 MSD 121840016A 10736Injection Volume: 1 ul SW-846 8082
Injected On: 7/10/2012 9:05:12 PM Analyst: 2855
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 5p20188B.0018.RAW
Method File: PESTDI20B.MET
Calibration File: 2P20188b.CAL

RT B	Compound B	Height B	Area B
2.516		23992	27000
2.571		21354	20891
2.65		35865	49245
2.68		32012	29171
2.703		17393	54958
2.844	TCX	3507140	2627224
2.887		54365	35974
2.955		10650	4452
2.971		35575	39978
3.019		91116	54369
3.058		9759	3504
3.083		172559	162569
3.137		814303	524526
3.163		4389525	3044435
3.212		14766	11371
3.226		9242	3188
3.252		95505	86866
3.284		15166	7311
3.316		16424	14514
3.35		1046485	1206840
3.404		102875	80897
3.427		48155	33166
3.451		32885	17157
3.478		971193	803525
3.522		29633	33888
3.562		247695	151968
3.577		110676	54666
3.64		2206388	2505790
3.676		1085341	958565
3.754		1071092	837076
3.788		741339	528871
3.815		742565	519889
3.835		214907	122620
3.884		21802	12777
3.898		7465	3543
3.929		915645	836653
3.955		305634	190173
3.978		314097	231541
4.012		99372	56925
4.029		797485	567396
4.076		257194	249518
4.123		36895	31178
4.147		187414	121754
4.172		1700906	1342600
4.199		208468	135655
4.222		83570	48158
4.238		232739	161297
4.278		1477350	1224630
4.313		194101	163580
4.336		58049	36789
4.353		56716	41092
4.38		26849	12490
4.409		39639	44788
4.438		72120	53515

RT B	Compound B	Height B	Area B
4.455		73940	48654
4.499		375458	374788
4.548		292163	212374
4.577		2771270	2880889
4.605		982841	1069599
4.662		5879551	5704088
4.711		177291	162272
4.738		254962	165787
4.762		1975252	1758541
4.808		8462733	8361140
4.879		117687	132960
4.921		6278864	6836952
4.981		747055	801655
5.018		2355237	2229784
5.058		7041216	7085717
5.09		5672426	4978036
5.132		3490145	3423107
5.181		7682	3730
5.199		28080	27119
5.238		1174272	1415245
5.29		5303452	5145571
5.317		521953	359696
5.365		3357868	3529916
5.402		1356884	1155091
5.427		1018871	846941
5.483		15901130	17077680
5.524		232039	174878
5.56		436912	416353
5.676		38825	35080
5.699		2762176	2751469
5.746		10009590	11199440
5.842		61507	152926
5.903		236045	300869
5.944		240256	213702
5.972		59220	46031
6.022		1407534	1463397
6.125		3337866	3273045
6.158		104905	82430
6.226		13785	10891
6.329		699591	760807
6.491	DCB	2513380	2884081
6.677		15192	14576
6.716		83996	93087
6.904		42527	50507
6.955		148215	226568
7.144		23655	72293
7.509		13000	14793
7.712		5777	6643
7.929		9431	23418
8.084		3944	1827
8.113		4671	4559
8.211		14268	31850
8.273		5099	3553
8.38		9046	42943
8.499		4538	3469

ASX67 0946

6706983MSDACF DF10 ADTS-25 MSD 121840016A 10736 SW-846 8082

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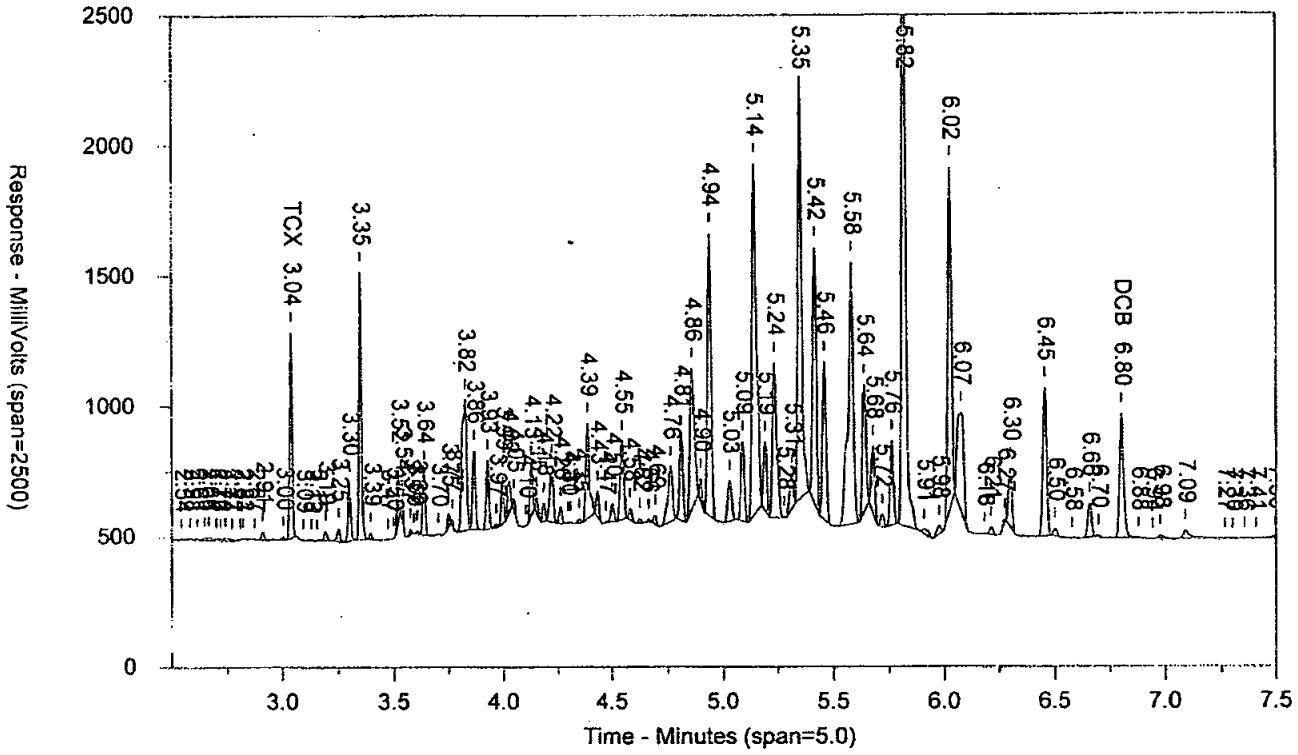

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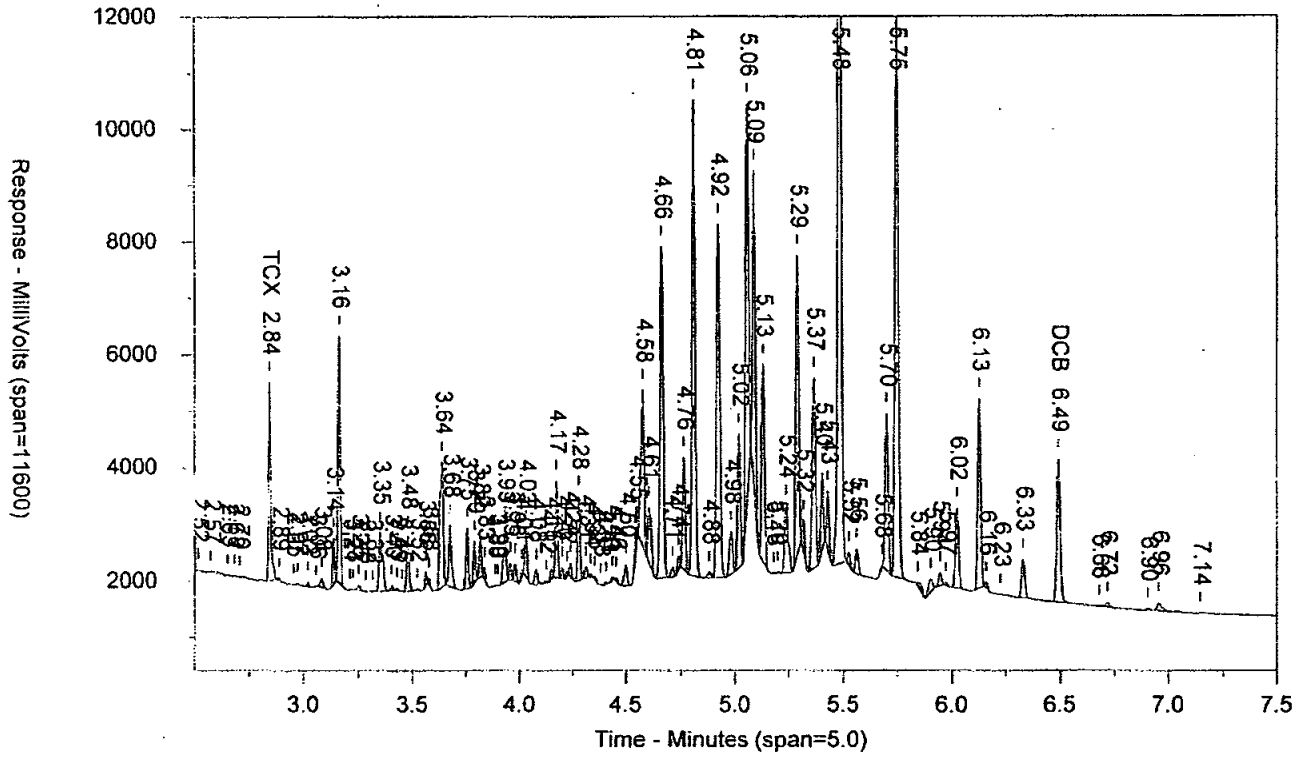

ASX67 0947

LANCASTER LABORATORIES

Sample Number: 6706983MSDACF DF10 ADTS-25 MSD 121840016A 10736 Sample Weight: 30 SW-846 8082
Injected On: 7/10/2012 9:05:12 PM Dilution Factor: 100
Instrument ID: CP20-17342
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 5
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.038	792336	10.229	TCX	2.844	3507140	7.817	TCX
6.803	479896	11.104	DCB	6.491	2513380	8.005	DCB

Files:
Area File: 5p20188.0018.RAW
Area File: 5p20188B.0018.RAW
Method A: PESTDI20.MET
Method B: PESTDI20B.MET
Calibration File A: 2p20188.CAL
Calibration File B: 2P20188b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 7/10/2012 9:13:54 PM
File Reported On: 7/10/2012 at 9:14:00 PM

ASX67 0928

6706983MSDACF DF10 ADTS-25 MSD 121840016A 10736 **SW-846 8082**

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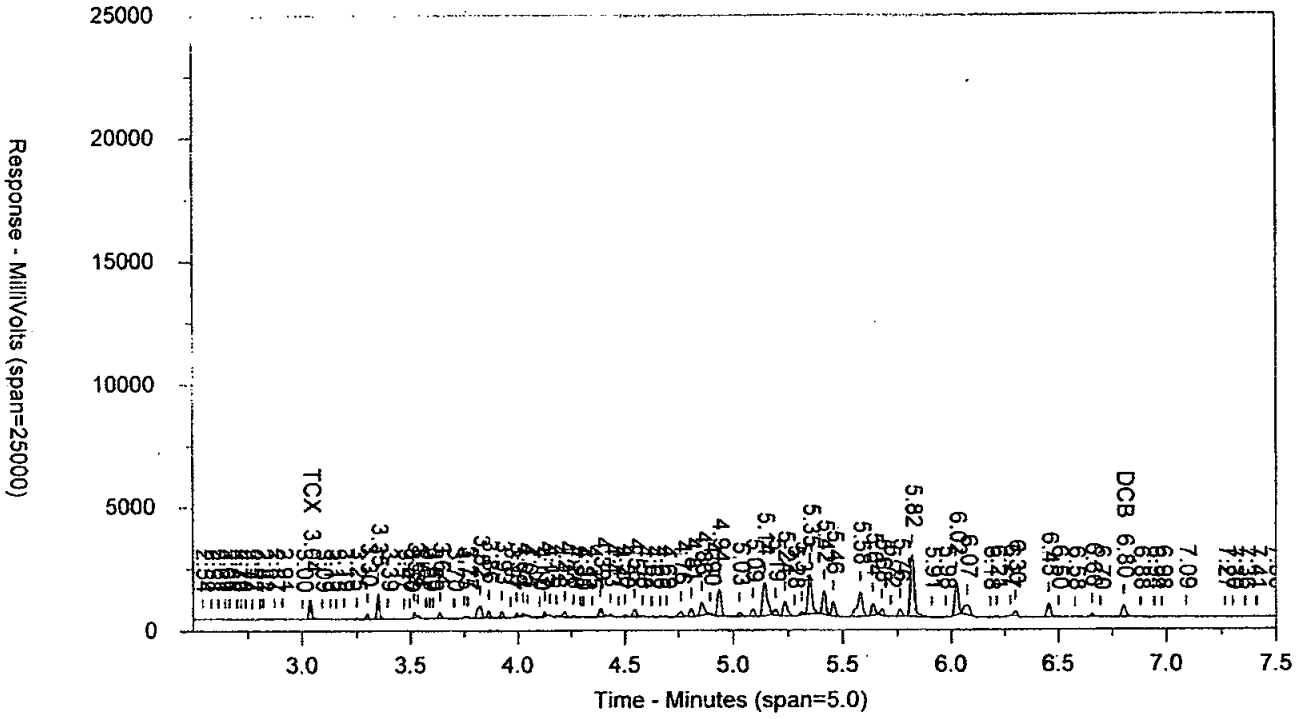

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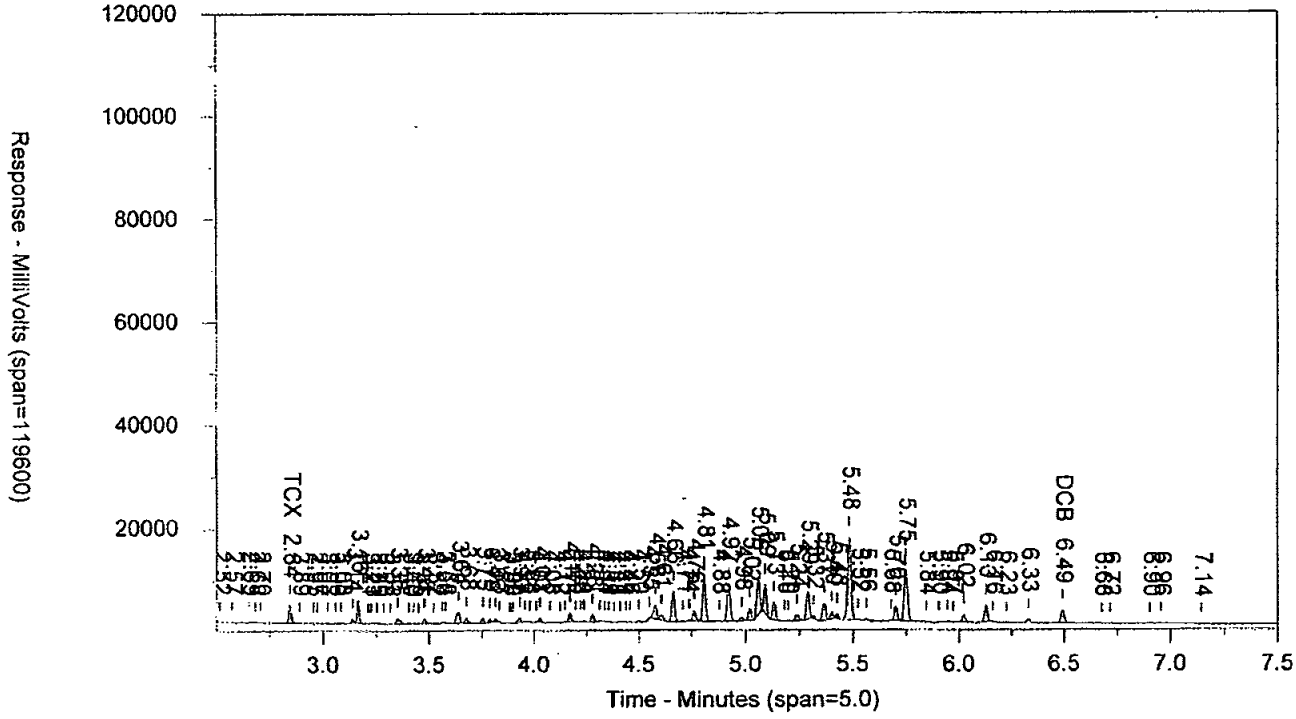

ASX67 0949

Extraction/Distillation/Digestion Logs Data

ASX67 0958

Organic Extraction Batchlog Assigned to: 701 Karen Beyer Reviewed by:_____ Start Date: 7/2/12 Start time: 23:00

121840016A

Tech 1: KJ-1 Tech 2: _____

Dept: 24	Prep Analysis: 10497 PCB Microwave Soil Extraction								PCBs in Soil (microwave)		
QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
6706982MS	TS-25	30.4	SS1216624A	1.0	MS1214524A	1.0	10	Z	Z		
6706983MSD	TS-25	30.3	SS1216624A	1.0	MS1214524A	1.0	10	Z	Z	034A	Brn w/Stones
BLANKA	PBLK16184	30.0	SS1216624A	1.0			10	Z	Z	AA	
LCSA	LCS16184	30.0	SS1216624A	1.0	MS1214524A	1.0	10	Z	Z	AA	

Solvent Used	Lot No.
1:1 Methylene Chloride/Acetone	185062212A
Hexane	41E13
Sodium Sulfate	121P1A

KJ-1 7/2/12

Spike Solutions: Witness: NA

MS1214524A PCB SPIKE

SS1216624A SW846 SURROGATE STANDARI

Sample #		Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	Due Date	Prio
1	6700647 R	14385	30.3	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb	10736	07/05/2012	P
2	6706974	TS-18	30.3	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb	10736	07/12/2012	N
3	6706975	TS-19	30.0	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb	10736	07/12/2012	N
4	6706976	TS-20	30.1	SS1216624A	1.0	10	Z	Z	034A	Stones	10736	07/12/2012	N
5	6706977	TS-21	30.1	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb	10736	07/12/2012	N
6	6706978	TS-22	30.3	SS1216624A	1.0	10	Z	Z	034A	Stones	10736	07/12/2012	N
7	6706979	TS-23	30.2	SS1216624A	1.0	10	Z	Z	034A	Stones	10736	07/12/2012	N
8	6706980	TS-24	30.3	SS1216624A	1.0	10	Z	Z	034A	Stones	10736	07/12/2012	N
9	6706981BKG	TS-25	30.1	SS1216624A	1.0	10	Z	Z	034A	Stones	10736	07/12/2012	N
10	6706984	TS-40	30.1	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb	10736	07/12/2012	N
11	6706985	TS-41	30.1	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb + Stones	10736	07/12/2012	N
12	6706986	TS-42	30.3	SS1216624A	1.0	10	Z	Z	034A	Brn Sand	10736	07/12/2012	N
13	6706987	TS-43	30.0	SS1216624A	1.0	10	Z	Z	034A	Stones	10736	07/12/2012	N
14	6706988	TS-44	30.3	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb	10736	07/12/2012	N
15	6706989	TS-45	30.3	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb	10736	07/12/2012	N
16	6706990	TS-46	30.1	SS1216624A	1.0	10	Z	Z	034A	Brn + Cmb	10736	07/12/2012	N
17	6706991	TS-47	30.4	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb + Sandy	10736	07/12/2012	N
18	6706992	TS-48	30.2	SS1216624A	1.0	10	Z	Z	034A	Brn. Cmb	10736	07/12/2012	N
19	6706993	TS-49	30.1	SS1216624A	1.0	10	Z	Z	034A	Brn w/ Stones	10736	07/12/2012	N
20	6707785	63185	30.1	SS1216624A	1.0	10	Z	Z	036A	Brn Sand	10736	07/13/2012	P

KJ-1 7/2/12

Rack ID:		Work Station	16866
Internal Standard		Balance #	17609

S-bath ID	95.0 C	S-bath ID	— C	N-Evap	— C	M-vap	— C	121840016A

Documented temps are NIST corrected.

DF = Dilution Factor FV = Final Volume

Prep-Process Worksheet

Acid

Prep: 10497 PCB Microwave Soil Extraction

Batch No: 121840016A

Verified: _____

Start Date: 7/3/12

Start Time: 0245

Tech 1: [illegible]

Tech 2: —

	Sample #	QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	6700647		10	10				10736
2	6706974		10	10				10736
3	6706975		10	10				10736
4	6706976		10	10				10736
5	6706977		10	10				10736
6	6706978		10	10				10736
7	6706979		10	10				10736
8	6706980		10	10				10736
9	6706981		10	10				10736
10	6706982	MS	10	10				10736
11	6706983	MSD	10	10				10736
12	6706984		10	10				10736
13	6706985		10	10				10736
14	6706986		10	10				10736
15	6706987		10	10				10736
16	6706988		10	10				10736
17	6706989		10	10				10736
18	6706990		10	10				10736
19	6706991		10	10				10736
20	6706992		10	10				10736
21	6706993		10	10				10736
22	6707785		10	10				10736
23	BLANKA		10	10				
24	LCSA		10	10				

[illegible]

7/3/12

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
Hexane	121126	—	—
—	—	—	—
—	—	—	—
—	—	—	—

ASX67 0952

Prep-Process Worksheet

Florisil
Prep: 10497 PCB Microwave Soil Extraction
Batch: 121840016A

Verified: _____
Start Date: 7/3/12
Start Time: 06:45
Tech 1: [illegible]
Tech 2: —

	Sample #	QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	6700647		2	2				10736
2	6706974		2	2				10736
3	6706975		2	2				10736
4	6706976		2	2				10736
5	6706977		2	2				10736
6	6706978		2	2				10736
7	6706979		2	2				10736
8	6706980		2	2				10736
9	6706981		2	2				10736
10	6706982	MS	2	2				10736
11	6706983	MSD	2	2				10736
12	6706984		2	2				10736
13	6706985		2	2				10736
14	6706986		2	2				10736
15	6706987		2	2				10736
16	6706988		2	2				10736
17	6706989		2	2				10736
18	6706990		2	2				10736
19	6706991		2	2				10736
20	6706992		2	2				10736
21	6706993		2	2				10736
22	6707785		2	2				10736
23	BLANKA		2	2				
24	LCSA		2	2				

[illegible]
7/3/12

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
—	—	—	—
—	—	—	—
—	—	—	—
Florisil	076187-1V	—	—

S-Evap/bath	— C	S-Evap/bath	— C	N-Evap	— C

The documented temperatures are NIST corrected.

ASX67 8953

Prep-Process Worksheet

Copper

Prep: 10497 PCB Microwave Soil Extraction

Batch No: 121840016A

Verified: _____
Start Date: 7/3/12
Start Time: 07:15
Tech 1: KJ
Tech 2: —

	Sample #	QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	6700647		1	1				10736
2	6706974		1	1				10736
3	6706975		1	1				10736
4	6706976		1	1				10736
5	6706977		1	1				10736
6	6706978		1	1				10736
7	6706979		1	1				10736
8	6706980		1	1				10736
9	6706981		1	1				10736
10	6706982	MS	1	1				10736
11	6706983	MSD	1	1				10736
12	6706984		1	1				10736
13	6706985		1	1				10736
14	6706986		1	1				10736
15	6706987		1	1				10736
16	6706988		1	1				10736
17	6706989		1	1				10736
18	6706990		1	1				10736
19	6706991		1	1				10736
20	6706992		1	1				10736
21	6706993		1	1				10736
22	6707785		1	1				10736
23	BLANKA		1	1				
24	LCSA		1	1				

KJ 7/3/12

DF = Dilution Factor FV = Final Volume

Additional Comment: _____

Solvent Used	Lot No.	Solvent Used	Lot No.
Copper	115050	AN	—
—	—		—
—	—		—
—	—		—

ASX67 8954

TPH-DRO by GC Data

Case Narrative/Conformance Summary

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ASX67

EPH/Miscellaneous GC

Fraction: TPH-DRO by GC

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
6706981	TS-2012-25		X	5	
6706986	TS-2012-42		X	50	

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

CALIBRATION/STANDARDIZATION:

All criteria were met.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

MS/MSD

Matrix QC may not be included if site-specific QC were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, laboratory spike data (LCS) are provided.

Surrogate

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

SAMPLE ANALYSIS:

No problems were encountered with the analysis of the samples.

ASX67 8957

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ASX67

EPH/Miscellaneous GC

Fraction: TPH-DRO by GC

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

Narrative Reviewed and Approved 7-18-2012 by (Date)

Audrey K. McClune
Audrey K. McClune
Specialist

Quality Control and Calibration Summary Forms

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Quality Control Reference List
EPH/Miscellaneous GC

CLIENT: Stantec
SDG: ASX67

Fraction: TPH-DRO by GC

Analysis	Batch Number	Sample Number	Analysis Date
TPH-DRO soil C10-C28 microwave	121850012A	PBLK12185	07/10/2012 08:35:00
		LCS12185	07/10/2012 08:59:00
		6706981	07/10/2012 19:52:00
		6706986	07/10/2012 17:45:00

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Quality Control Summary
Method Blank
EPH/Miscellaneous GC
SDG: ASX67
Matrix: SOLID

Fraction: TPH-DRO by GC

121850012A / PBLK12185 Analyte	Analysis Date	Blank Results	Units	MDL	LOQ
TPH-DRO soil C10-C28 microwave	07/10/12	N.D.	mg/kg	4.0	12

ASX67 8961

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Quality Control Summary
Surrogates
EPH/Miscellaneous GC
SDG: ASX67
Matrix: SOLID

Fraction: TPH-DRO by GC

121850012A	Orthoterphenyl	
	Spike Added	2 mg/kg
Sample	% Recovery	Limits
PBLK12185	99	50 - 131
LCS12185	99	50 - 131
6706981	89	50 - 131
6706986	196 *	50 - 131

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

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

SDG: ASX67
Matrix: SOLID

EPH/Miscellaneous GC
Fraction: TPH-DRO by GC

LCS: LCS12185	Batch: **121850012A** (Sample number(s): 6706981, 6706986)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
TPH-DRO soil C10-C28 microwave	133	117.45		88		76-117		

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H6783A Calibration File: 1FLS180A

GC Column (1) : HP5 ID: 0.53 (mm) Update File:

Date(s) Analyzed: 6/28/2012 6/28/2012

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Capric Acid	4.20	4.21	4.25	4.28	4.30	4.28 ~~4.24~~	4.08 ~~4.04~~	4.48 ~~4.44~~
o-Terphenyl	8.03	8.03	8.03	8.03	8.03	8.03	7.98	8.08

D Database error. [illegible] 7/2/12

FORM VI-1

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H6783A Calibration File: 1FLS180A

GC Column (1) : HP5 ID: 0.53 (mm) Date(s) Analyzed: 6/28/2012 6/28/2012

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Capric Acid	5.60E+03	6.27E+03	9.27E+03	1.04E+04	1.17E+04	8.65E+03	30.4
o-Terphenyl	1.93E+04	2.00E+04	2.01E+04	1.94E+04	1.94E+04	1.96E+04	1.8

Average % RSD: 16.1

ASX67 0965

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H6783A Calibration File: 1FLS180A

GC Column (1) : HP5 ID: 0.53 (mm) Date(s) Analyzed: 6/28/2012 6/28/2012

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK AREA	%RSD
Total DRO	1		1.22	11.50	21204	18317	1	100	2120395	8.8
					17650		2	400	7060044	
					17538		3	800	14030020	
					17663		4	1600	28261140	
					17529		5	3200	56092648	

FORM VI-3

ASX67 0926

File Name: Y:\CP21\1FLS180A.CAL
Version: 12

Creator: GSR 1449
Description: DRO (C10-C28) ICAL
Reason for change:

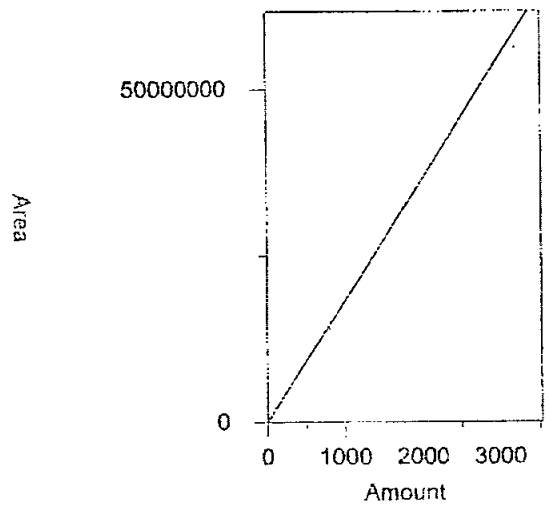
used T21180.16R-30R
MDL - T21180.36R
ICV - T21180.37R
7/3/12
✓ 7-3-12

External standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 0
Reference peak area reject threshold: 0
Amount units: ppm
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 TOTAL DRO



Expected retention time: 0.043 minutes
Search window: 0.05 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 18316.75

Single peak quantification by area

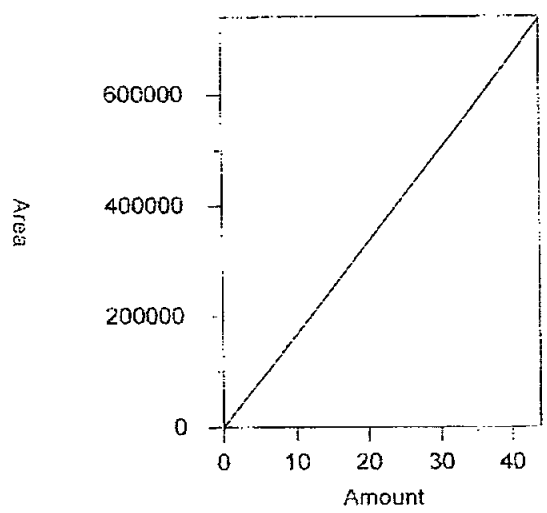
Y = 18316.75 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9957542
Average error: 6.305%
Average CF: 18316.75
RSD: 8.818%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	100	2120395	21203.95	15.763	Manual	7/2/2012 7:01:24 PM
2	400	7060044	17650.11	-3.640	Manual	7/2/2012 7:01:32 PM
3	800	1.403002E+07	17537.53	-4.254	Manual	7/2/2012 7:01:45 PM
4	1600	2.826114E+07	17663.21	-3.568	Manual	7/2/2012 7:02:03 PM
5	3200	5.609265E+07	17528.95	-4.301	Manual	7/2/2012 7:02:20 PM

2 C10

ASX67 8967



Expected retention time:	1.315 minutes
Search window:	0.05 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 area

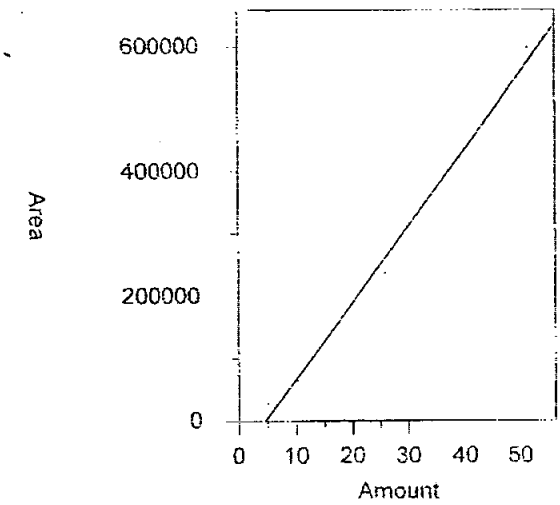
Y = 16709.02 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9998316
Average error:	0.816%
Average CF:	16709.02
RSD:	0.968%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	4	65922	16480.5	-1.368	Manual	7/2/2012 6:53:40 PM
2	8	132773	16596.63	-0.673	Manual	7/2/2012 6:59:20 PM
3	16	268766	16797.88	0.532	Manual	7/2/2012 6:59:48 PM
4	32	538568	16830.25	0.726	Manual	7/2/2012 7:00:14 PM
5	40	673594	16839.85	0.783	Manual	7/2/2012 7:00:46 PM

3 Capric Acid



Expected retention time:	4.238 minutes
Search window:	0.2 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 area

Y = 12260.71 X + -55559.32

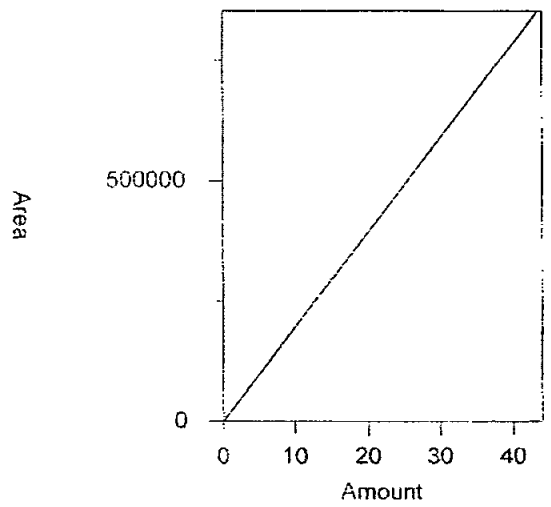
Linear fit with equal weighting

Coefficient of determination:	0.9915219
Average error:	63.835%
Average CF:	8646.5
RSD:	30.399%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	5.126574	28724	5602.962	293.688	Manual	7/2/2012 6:54:36 PM
2	10.25315	64250	6266.367	-8.413	Manual	6/28/2012 8:50:15 PM
3	25.63287	237520	9266.228	-8.193	Manual	6/28/2012 8:50:26 PM
4	41.01259	427460	10422.65	-4.432	Manual	6/28/2012 8:50:39 PM
5	51.26574	598491	11674.29	4.450	Manual	6/28/2012 8:50:51 PM

4 O-terphenyl

ASX67 0968



Expected retention time: 8.026 minutes
Search window: 0.05 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 19637.93

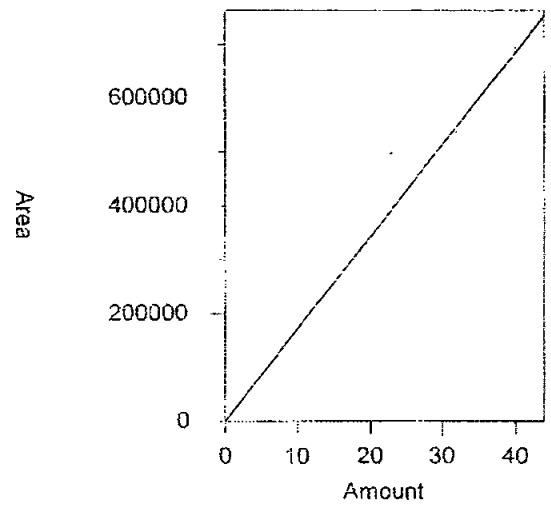
Single peak quantification by area

Y = 19637.93 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9994513
Average error: 1.558%
Average CF: 19637.93
RSD: 1.801%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	4	77296	19324	-1.599	Manual	7/2/2012 6:53:50 PM
2	8	159675.8	19959.47	1.637	\\USLAN-CHROMPERF\ACTIVE-DATA\CP21\T21180.0017.BND	6/28/2012 8:10:31 PM
3	16	321298	20081.13	2.257	Manual	7/2/2012 6:59:57 PM
4	32	621704.4	19428.26	-1.068	\\USLAN-CHROMPERF\ACTIVE-DATA\CP21\T21180.0019.BND	6/28/2012 8:10:47 PM
5	40	775872.4	19396.81	-1.228	\\USLAN-CHROMPERF\ACTIVE-DATA\CP21\T21180.0020.BND	6/28/2012 8:10:51 PM

5 C-28



Expected retention time: 11.401 minutes
Search window: 0.05 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 area

Y = 17128.55 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9991748
Average error: 1.149%
Average CF: 17128.55
RSD: 1.525%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	4	68395	17098.75	-0.174	Manual	7/2/2012 6:54:03 PM
2	8	139171	17396.38	1.564	Manual	7/2/2012 6:59:33 PM
3	16	272712.3	17044.52	-0.491	\\USLAN-CHROMPERF\ACTIVE-DATA\CP21\T21180.0018.BND	6/28/2012 8:10:35 PM
4	32	536016.9	16750.53	-2.207	\\USLAN-CHROMPERF\ACTIVE-DATA\CP21\T21180.0019.BND	6/28/2012 8:10:47 PM
5	40	694104	17352.6	1.308	Manual	7/2/2012 7:01:16 PM

ASX67 0969

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H6783A Init. Calib Date(s): 06/28/12 06/28/12

GC Column (1) : HP5 ID: .53 (mm) Date Analyzed: 06/28/12

Lab File ID: T21180.0037.RAW Time Analyzed: 23:16

Lab Standard ID: 1FLKXRM Initial Calibration: 1FLS180A

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Total DRO		1.22	11.50	745.29	800.00	-7

Compounds 1 Average of %D: 7.0

FORM VII

ASX67 8978

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H6783A Init. Calib Date(s): 06/28/12 06/28/12

GC Column (1) : HP5 ID: .53 (mm) Date Analyzed: 07/10/12

Lab File ID: T21191.0037.RAW Time Analyzed: 8:12

Lab Standard ID: 1FUL3BV Initial Calibration: 1FLS180A

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (mg/kg)	NOM AMOUNT (mg/kg)	%D
Total DRO		1.22	11.50	695.19	800.00	-13

Compounds 1 Average of %D: 13

FORM VII

ASX67 0971

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H6783A Init. Calib Date(s): 06/28/12 06/28/12

GC Column (1) : HP5 ID: .53 (mm) Date Analyzed: 07/10/12

Lab File ID: T21191.0050.RAW Time Analyzed: 16:54

Lab Standard ID: 1FUL3BS Initial Calibration: 1FLS180A

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (mg/kg)	NOM AMOUNT (mg/kg)	%D
Total DRO		1.22	11.50	689.66	800.00	-14

Compounds 1 Average of %D: 14

FORM VII

ASX67 0972

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: H6783A Init. Calib Date(s): 06/28/12 06/28/12

GC Column (1) : HP5 ID: .53 (mm) Date Analyzed: 07/10/12

Lab File ID: T21191.0060.RAW Time Analyzed: 21:02

Lab Standard ID: 1FUL3BZ Initial Calibration: 1FLS180A

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (mg/kg)	NOM AMOUNT (mg/kg)	%D
Total DRO		1.22	11.50	688.77	800.00	-14

Compounds 1 Average of %D: 14

FORM VII

ASX67 8973

Sample Data

eurofins | Lancaster Laboratories

LOQ/MDL Summary
EPH/Miscellaneous GC

SDG: ASX67

Fraction: TPH-DRO by GC

10941: TPH-DRO soil C10-C28 microwave Analyte Name	Default MDL	Default LOQ	Units
TPH-DRO soil C10-C28 microwave	4.0	12	mg/kg

Lancaster Laboratories Range Data Summary

Sample Name: 6706981DF5 TS-25 Sample ID: AC **Batchnumber:** 121850012A
Sample Amount: 30.2 Total Volume: 25. ml Analyst: 1449 SDG:ASX67 State: DE
Analyses: 10941

Injection Summary

Injected on : 7/10/2012 19:52:50
Instrument : CP21--H6783A
Result file : T21191.0057.RAW
Calibration files : 1FLS180A.CAL
Method files : 1FUELS.MET 1REPLOTS.MET
Setting : 1FLS180AS

Surrogate Recoveries

O-TERPHENYL 89% (50-131) Conc.: 1.773162

Range	Retention Times	Area	Amount	LOQ	MDL	Flags	Units
☐ o-terphenyl	8.02 (7.98 - 8.08)	42064	1.7732				mg/kg
☐ Total DRO	1.22 - 11.50	6939544	311.7275	59.6026	19.8675		mg/kg

Comments: _____

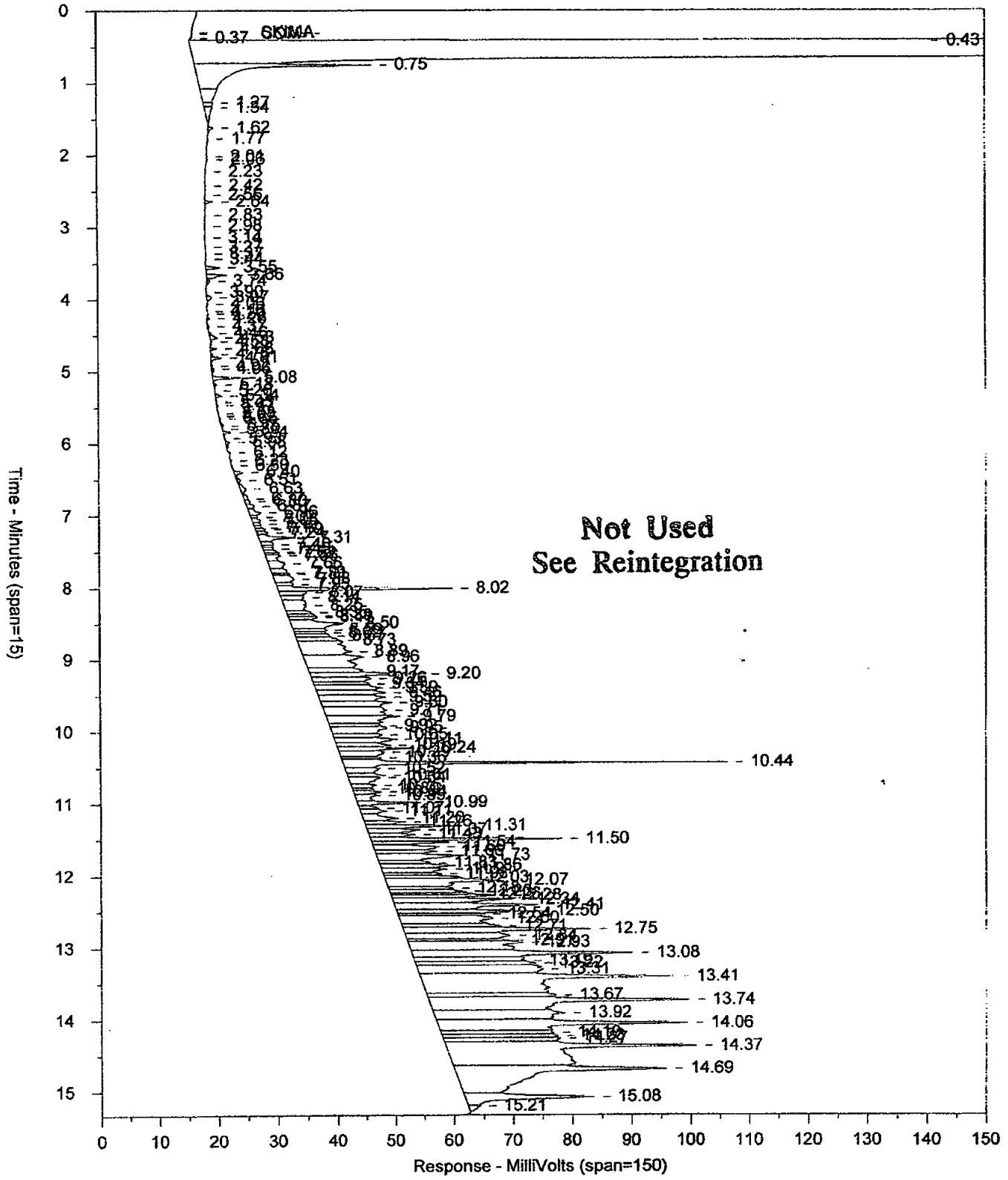
Reviewed by: 1449 7/10/12 Verified by: Tracy A. Cole

Date: _____ Date: JUL 11 2012

Tracy A. Cole
Senior Specialist

ASX67 0976

Sample ID: 6706981DF5 ACTS-25 T 121850012A 10941 SW-846 8015B
File: T21191.0057.RAW TPH/DRO by 8015B, modified



ASX67 8977

Sample ID: 6706981DF5 ACTS-25 T 121850012A 10941 SW-846 8015B
File: T21191.0057.RAW TPH/DRO by 8015B, modified

Instrument ID:CP21
Injected on: 7/10/2012 7:52:50 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 30.2
Injection Volume: 1
Dilution Factor: 25

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
5	1.34	C10	0.51	10268
28	4.26	Capric Acid	3.80	662
79	8.02	O-terphenyl	2.45	58022
126	11.43	C-28	1.04	21555

Not Used
See Reintegration

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	235.32	1833639.0
2	7.98	8.08	73.86	73204.9

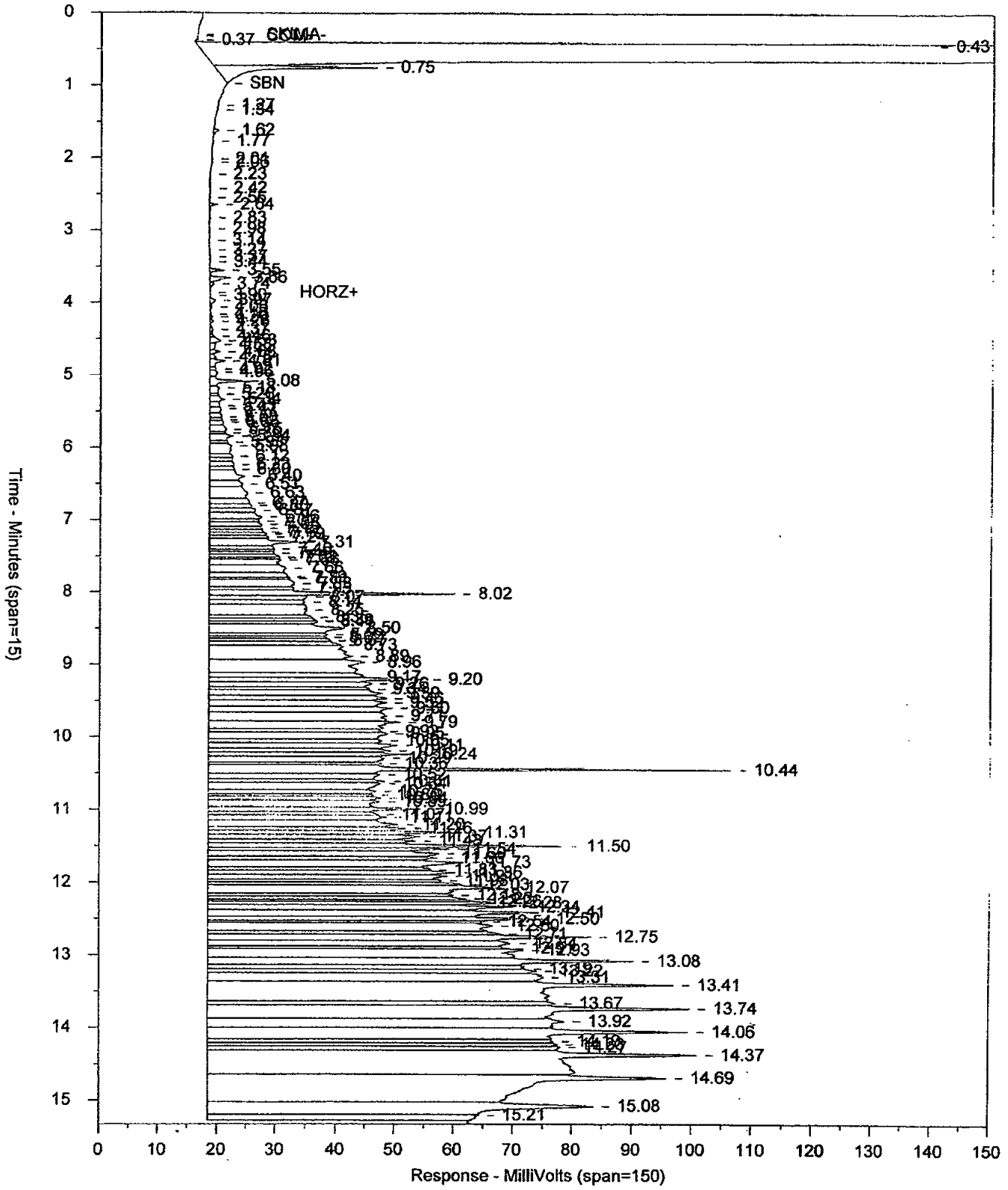
********** RESULTS TABLE **********

DRO AREA = 1833639
DRO AMOUNT = 82.87019 PPM

FILES:
Area File: T21191.0057.RAW
Method File: 1FUELS.MET
Calibration File: 1FLS180A.CAL
Format File: 1FuelS.fmt
Area file created on: 7/10/2012 8:08:11 PM
File reported on: 7/10/2012 at 8:08:13 PM

ASX67 0978

Sample ID: 6706981DF5 ACTS-25 T 121850012A 10941 SW-846 8015B
File: T21191.0057.RAW TPH/DRO by 8015B, modified



ASX67 0979

Sample ID: 6706981DF5 ACTS-25 T 121850012A 10941 SW-846 8015B
File: T21191.0057.RAW TPH/DRO by 8015B, modified

Instrument ID:CP21
Injected on: 7/10/2012 7:52:50 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 30.2
Injection Volume: 1
Dilution Factor: 25

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
5	1.34	C10	0.01	267
28	4.26	Capric Acid	3.83	1159
79	8.02	O-terphenyl	4.82	114264
126	11.43	C-28	5.36	110819

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	423.26	6939545.0
2	7.98	8.08	145.46	172754.7

********** RESULTS TABLE **********

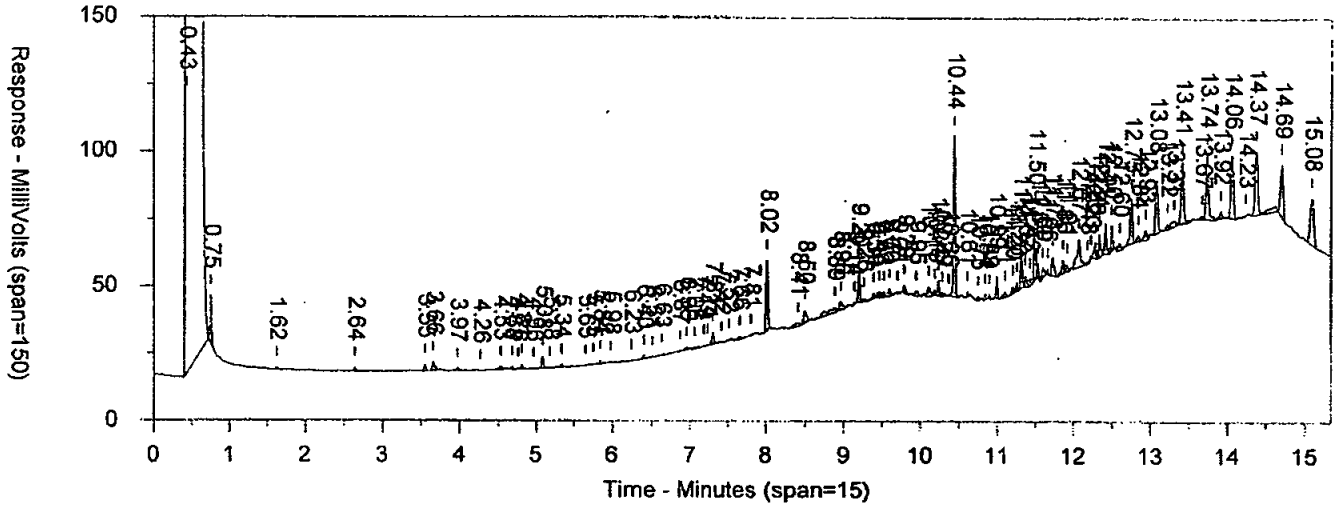
DRO AREA = 6939545
DRO AMOUNT = 313.6286 PPM

FILES:
Area File: T21191.0057.RAW
Method File: 1FUELS.MET
Calibration File: 1FLS180A.CAL
Format File: 1FuelS.fmt
Area file created on: 7/10/2012 9:14:56 PM
File reported on: 7/10/2012 at 9:14:56 PM

M = Manually Integrated
Analyst _____ 7/10/12
Approved by _____ 7-11-12
Circle Reason 1 2 3 4
1 = Missed Peak
2 = Improper Baseline
3 = RT Update
4 = Other _____

ASX67 9988

Sample ID: 6706981DF5 ACTS-25 T 121850012A 10941 SW-846 8015B
File: T21191.0057.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 7/10/2012 7:52:50 PM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

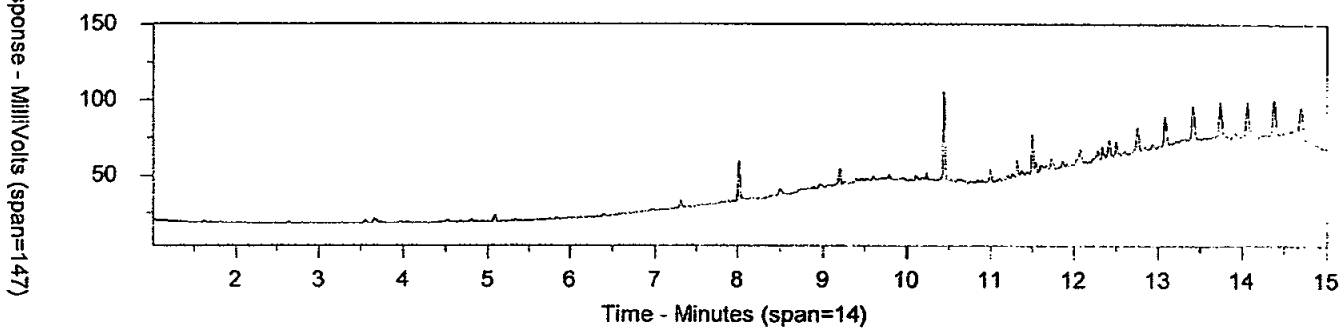
Sample Weight: 30.2
Dilution Factor: 25
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
8	4.26	Capric Acid	3.80	662
35	8.02	O-terphenyl	1.77	42064
66	11.43	C-28	0.18	3698

********** Results Table **********

o-Terphenyl Level 3 % Difference = 8267.106 %

WW o-Terphenyl % Recovery = 446.2457 %
SW o-Terphenyl % Recovery = 89.24913 %
Capric Acid % Recovery = 28.03259 %



FILES:
Area File: T21191.0057.RAW
Area file created on: 7/10/2012 8:08:11 PM
File reported on: 7/10/2012 at 8:08:16 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 8981

Lancaster Laboratories Range Data Summary

Sample Name: 6706986DF50 TS-42 Sample ID: AB **Batchnumber:** 121850012A
Sample Amount: 30.5 Total Volume: 500. ml Analyst: 1449 SDG:ASX67 State: DE
Analyses: 10941

Injection Summary

Injected on : 7/10/2012 17:45:38
Instrument : CP21--H6783A
Result file : T21191.0052.RAW
Calibration files : 1FLS180A.CAL
Method files : 1FUELS.MET 1REPLOTS.MET
Setting : 1FLS180AS

Surrogate Recoveries

O-TERPHENYL *196% (50-131) Conc.: 3.849157

Range	Retention Times	Area	Amount	LOQ	MDL	Flags	Units
☐ o-terphenyl	8.01 (7.98 - 8.08)	4611	3.8492				mg/kg
☐ Total DRO	1.22 - 11.50	21371946	19123.7079	1180.3279	393.4426		mg/kg

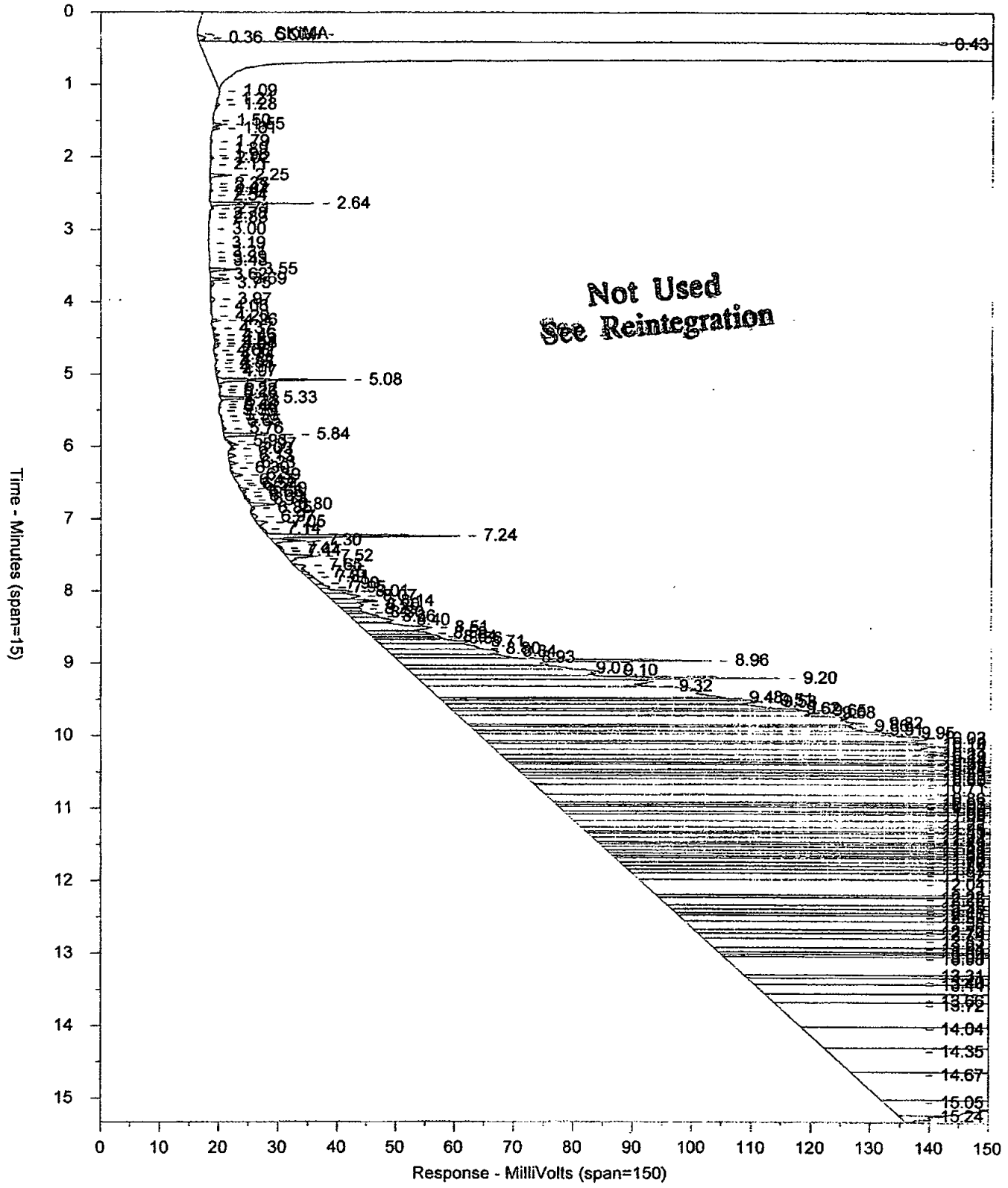
Comments:

Reviewed by: 7/10/12 Verified by: Tracy A. Cole
Date: Date: JUL 11 2012

Tracy A. Cole
Senior Specialist

ASX67 0982

Sample ID: 6706986DF50 ABTS-42 T 121850012A 10941 SW-846 8015B
File: T21191.0052.RAW TPH/DRO by 8015B, modified



ASX67 0983

Sample ID: 6706986DF50 ABTS-42 T 121850012A 10941 SW-846 8015B
File: T21191.0052.RAW TPH/DRO by 8015B, modified

Instrument ID:CP21
Injected on: 7/10/2012 5:45:38 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 30.5
Injection Volume: 1
Dilution Factor: 500

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
5	1.28	C10	1.67	1701
35	4.26	Capric Acid	77.43	2351
89	8.01	O-terphenyl	11.20	13421
142	11.37	C-28	319.20	333511

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	12489.75	11325110.0
2	7.98	8.08	341.71	3[illegible]

Not Used
See Reintegration

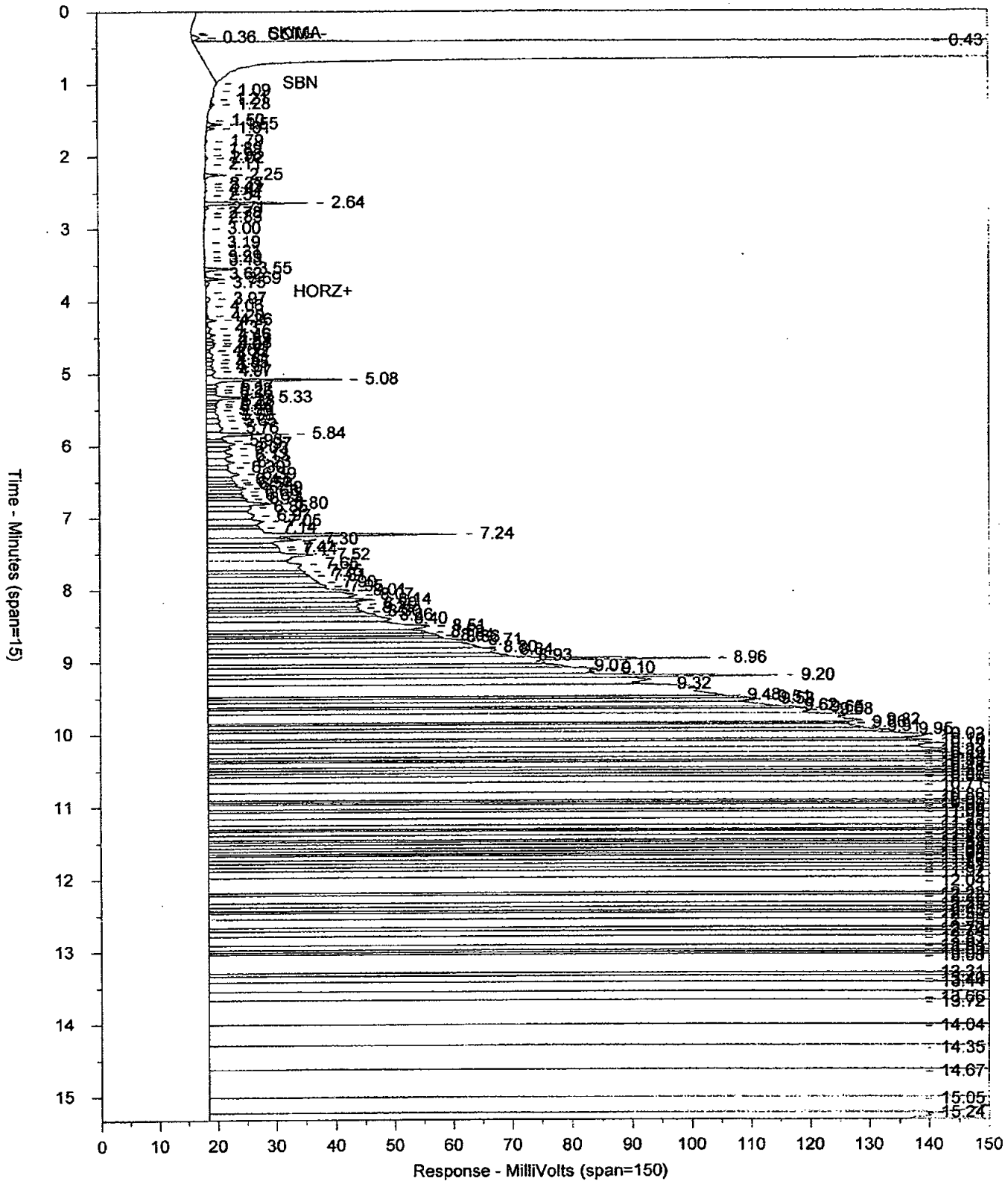
********** RESULTS TABLE **********

DRO AREA = 1.132511E+07
DRO AMOUNT = 10135.94 PPM

FILES:
Area File: T21191.0052.RAW
Method File: 1FUELS.MET
Calibration File: 1FLS180A.CAL
Format File: 1FuelS.fmt
Area file created on: 7/10/2012 6:00:59 PM
File reported on: 7/10/2012 at 6:01:03 PM

ASX67 8984

Sample ID: 6706986DF50 ABTS-42 T 121850012A 10941 SW-846 8015B
File: T21191.0052.RAW TPH/DRO by 8015B, modified



ASX67 8985

Sample ID: 6706986DF50 ABTS-42 T 121850012A 10941 SW-846 8015B
File: T21191.0052.RAW TPH/DRO by 8015B, modified

Instrument ID:CP21
Injected on: 7/10/2012 5:45:38 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 30.5
Injection Volume: 1
Dilution Factor: 500

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
5	1.28	C10	1.67	1701
35	4.26	Capric Acid	78.82	3394
89	8.01	O-terphenyl	76.76	91955
142	11.37	C-28	540.46	564700

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	21280.46	21371950.0 M
2	7.98	8.08	2341.25	208192.2

********** RESULTS TABLE **********

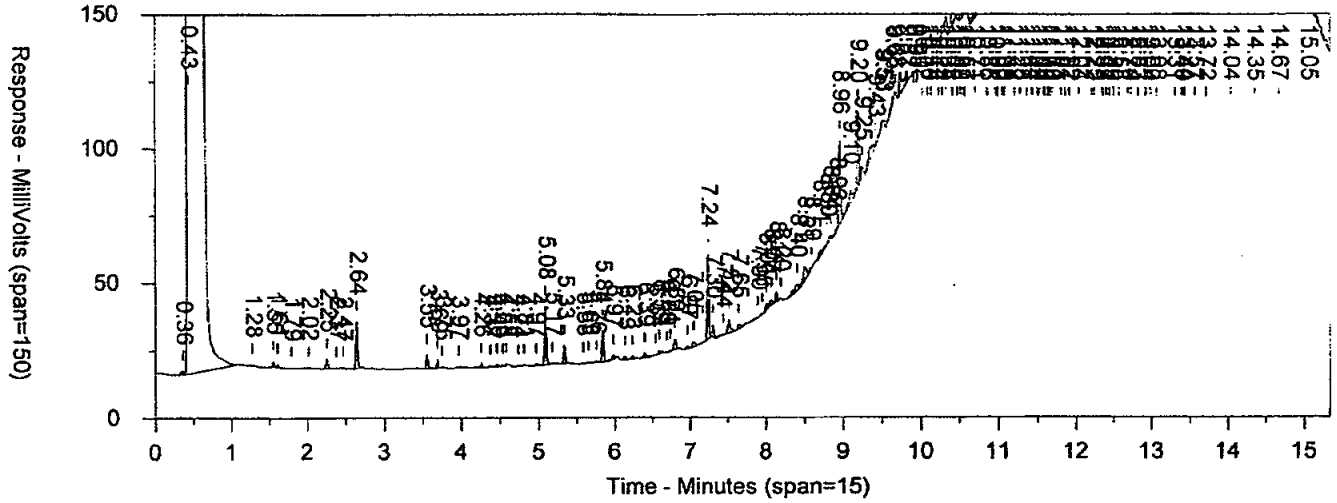
DRO AREA = 2.137195E+07
DRO AMOUNT = 19127.84 PPM

FILES:
Area File: T21191.0052.RAW
Method File: 1FUELS.MET
Calibration File: 1FLS180A.CAL
Format File: 1FuelS.fmt
Area file created on: 7/10/2012 9:10:47 PM
File reported on: 7/10/2012 at 9:10:48 PM

M = Manually Integrated
Analyst 7/10/12
Approved by 7-11-12
Circle Reason 1 (2) 3 4
1 = Missed Peak
2 = Improper Baseline
3 = RT Update
4 = Other _____

ASX67 8986

Sample ID: 6706986DF50 ABTS-42 T 121850012A 10941 SW-846 8015B
File: T21191.0052.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 7/10/2012 5:45:38 PM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

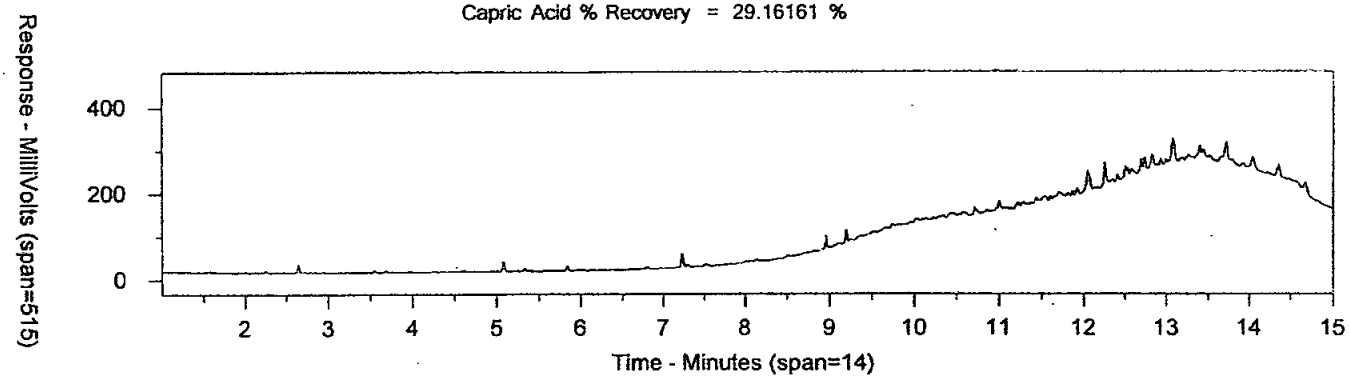
Sample Weight: 30.5
Dilution Factor: 500
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
3	1.28	C10	1.82	1855
16	4.26	Capric Acid	77.43	2351
49	8.01	O-terphenyl	3.85	4611
90	11.37	C-28	7.09	7406

********** Results Table **********

o-Terphenyl Level 3 % Difference = 366772.8 %

WW o-Terphenyl % Recovery = 978.3274 %
SW o-Terphenyl % Recovery = 195.6655 %
Capric Acid % Recovery = 29.16161 %



FILES:
Area File: T21191.0052.RAW
Area file created on: 7/10/2012 6:00:59 PM
File reported on: 7/10/2012 at 6:01:07 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 0987

Standards Data

Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\active-data\CP21\T21180.seq

Chromatography Directory: \\USLAN-CHROMPERF\ACTIVE-DATA\CP21

Method Directory: \\USLAN-CHROMPERF\ACTIVE-DATA\CP21

Number of Entries: 37

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	T21180.01R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
2	CARTX1232C	2	CCAL	OC	T21180.02R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
3	NO INJECTION	0	MISC	AA	T21180.03R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
4	NO INJECTION	0	MISC	AA	T21180.04R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
5	NO INJECTION	0	MISC	AA	T21180.05R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
6	NO INJECTION	0	MISC	AA	T21180.06R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
7	NO INJECTION	0	MISC	AA	T21180.07R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
8	NO INJECTION	0	MISC	AA	T21180.08R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
9	NO INJECTION	0	MISC	AA	T21180.09R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
10	NO INJECTION	0	MISC	AA	T21180.10R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
11	NO INJECTION	0	MISC	AA	T21180.11R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
12	NO INJECTION	0	MISC	AA	T21180.12R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
13	NO INJECTION	0	MISC	AA	T21180.13R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
14	NO INJECTION	0	MISC	AA	T21180.14R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
15	IBLKX1232B	1	ICAL	AA	T21180.15R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
16	TPH_11232B	2	ICAL	AA	T21180.16R	.CP21\DXSSTD.MET	1	1	1	1	1217899999	
17	TPH_21232E	3	ICAL	AA	T21180.17R	.CP21\DXSSTD.MET	1	1	1	2	1217899999	
18	TPH_31232E	4	ICAL	AA	T21180.18R	.CP21\DXSSTD.MET	1	1	1	3	1217899999	
19	TPH_41232E	5	ICAL	AA	T21180.19R	.CP21\DXSSTD.MET	1	1	1	4	1217899999	
20	TPH_51232B	6	ICAL	AA	T21180.20R	.CP21\DXSSTD.MET	1	1	1	5	1217899999	
21	1FUL11232D	7	ICAL	AA	T21180.21R	21\RANGESDX.MET	1	1	1	0	1217999999	
22	1FUL21232C	8	ICAL	AA	T21180.22R	21\RANGESDX.MET	1	1	1	0	1217999999	
23	1FUL31232G	9	ICAL	AA	T21180.23R	21\RANGESDX.MET	1	1	1	0	1217999999	
24	1FUL41232C	10	ICAL	AA	T21180.24R	21\RANGESDX.MET	1	1	1	0	1217999999	
25	1FUL51232C	11	ICAL	AA	T21180.25R	21\RANGESDX.MET	1	1	1	0	1217999999	
26	CAPR11232B	12	ICAL	AA	T21180.26R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
27	CAPR21232C	13	ICAL	AA	T21180.27R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
28	CAPR31232B	14	ICAL	AA	T21180.28R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
29	CAPR41232B	15	ICAL	AA	T21180.29R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
30	CAPR51232B	16	ICAL	AA	T21180.30R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
31	MECL2	17	MISC	AA	T21180.31R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
32	TMDLX1232B	18	CCAL	TN	T21180.32R	21\RANGESDX.MET	1	1	1	0	1217899999	
33	FMDLX1232A	19	CCAL	EZ	T21180.33R	21\RANGESDX.MET	1	1	1	0	1217899999	
34	TPHCX1232C	20	CCAL	VX	T21180.34R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
35	CAPR11232B	21	ICAL	AA	T21180.35R	.CP21\DXSSTD.MET	1	1	1	0	1217899999	
36	1MDLX1232A	22	CCAL	LP	T21180.36R	21\1FULSCHK.MET	1	1	1	0	1217999999	
37	1FLKX1232B	23	CCAL	RM	T21180.37R	21\1FULSCHK.MET	1	1	1	0	1217999999	

Set-up by: _____ Date: 6/29/12

6/29/2012

ASX67 0989

Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\active-data\CP21\T21191.seq

Chromatography Directory: \\USLAN-CHROMPERF\ACTIVE-DATA\CP21

Method Directory: \\USLAN-CHROMPERF\ACTIVE-DATA\CP21

Number of Entries: 99

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	T21191.01R	.CP21\DXSSTD.MET	1	1	1	0	1219099999	
2	MECL2	2	MISC	AA	T21191.02R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
3	TPH_21232E	3	CCAL	FA	T21191.03R	.CP21\DXSSTD.MET	1	1	1	0	1219099999	
4	1FUL31232G	4	CCAL	BR	T21191.04R	'21\1FULSCHK.MET	1	1	1	0	1219099999	
5	BLANKA 7/5/12	5	BLK	AA	T21191.05R	.TA\CP21\1LAS.MET	30	5	1	0	121870005A	01104
6	LCSA 7/5/12	6	LCS	AA	T21191.06R	.TA\CP21\1LAS.MET	30	5	1	0	121870005A	01104
7	LCSD 7/5/12	7	LCSD	AA	T21191.07R	.TA\CP21\1LAS.MET	30	5	1	0	121870005A	01104
8	6703711	8	T	AA	T21191.08R	.TA\CP21\1LAS.MET	30	5	1	0	121870005A	01104
9	MECL2	9	MISC	AA	T21191.09R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
10	TPH_31232E	10	CCAL	YM	T21191.10R	.CP21\DXSSTD.MET	1	1	1	0	1219099999	
11	1FUL31232G	11	CCAL	BT	T21191.11R	'21\1FULSCHK.MET	1	1	1	0	1219099999	
12	BLANKA 6/28/12	12	BLK	AA	T21191.12R	\CP21\1FUELS.MET	30	5	1	0	121800010A	10941
13	LCSA 6/28/12	13	LCS	AA	T21191.13R	\CP21\1FUELS.MET	30	5	1	0	121800010A	10941
14	6701887	14	T	AA	T21191.14R	\CP21\1FUELS.MET	30	5	1	0	121800010A	10941
15	6701853	15	T	AA	T21191.15R	\CP21\1FUELS.MET	30	5	1	0	121800010A	10941
16	6701854DF5	16	T	AB	T21191.16R	\CP21\1FUELS.MET	30	25	1	0	121800010A	10941
17	MECL2	17	MISC	AA	T21191.17R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
18	6701845	18	T	AA	T21191.18R	\CP21\1FUELS.MET	30	5	1	0	121800010A	10941
19	6701846MS	19	MS	AA	T21191.19R	\CP21\1FUELS.MET	30	5	1	0	121800010A	10941
20	6701847MSD	20	MSD	AA	T21191.20R	\CP21\1FUELS.MET	30	5	1	0	121800010A	10941
21	MECL2	21	MISC	AA	T21191.21R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
22	TPH_41232E	22	CCAL	CZ	T21191.22R	.CP21\DXSSTD.MET	1	1	1	0	1219099999	
23	1FUL31232G	23	CCAL	BU	T21191.23R	'21\1FULSCHK.MET	1	1	1	0	1219099999	
24	6701865DF5	24	T	AB	T21191.24R	\CP21\1FUELS.MET	30	25	1	0	121800010A	10941
25	6701897DF2	25	T	AB	T21191.25R	\CP21\1FUELS.MET	30	10	1	0	121800010A	10941
26	MECL2	26	MISC	AA	T21191.26R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
27	6701849	27	T	AA	T21191.27R	\CP21\1FUELS.MET	30	5	1	0	121800010A	10941
28	6701873	28	T	AA	T21191.28R	\CP21\1FUELS.MET	30	5	1	0	121800010A	10941
29	MECL2	29	MISC	AA	T21191.29R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
30	6701866DF10	30	T	AB	T21191.30R	\CP21\1FUELS.MET	30	50	1	0	121800010A	10941
31	6701868DF5	31	T	AB	T21191.31R	\CP21\1FUELS.MET	30	25	1	0	121800010A	10941
32	MECL2	32	MISC	AA	T21191.32R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
33	6701857DF20	33	T	AB	T21191.33R	\CP21\1FUELS.MET	30	100	1	0	121800010A	10941
34	MECL2	34	MISC	AA	T21191.34R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
35	MS1219132A	35	CCAL	BG	T21191.35R	'21\1FULSCHK.MET	1	1	1	0	1219099999	
36	TPH_21232E	36	CCAL	FF	T21191.36R	.CP21\DXSSTD.MET	1	1	1	0	1219099999	
37	1FUL31232G	37	CCAL	BV	T21191.37R	'21\1FULSCHK.MET	1	1	1	0	1219099999	
38	BLANKA 7/4/12	38	BLK	AA	T21191.38R	\CP21\1FUELS.MET	30	5	1	0	121850012A	10941
39	LCSA 7/4/12	39	LCS	AA	T21191.39R	\CP21\1FUELS.MET	30	5	1	0	121850012A	10941
40	6706981DF10	40	T	AB	T21191.40R	\CP21\1FUELS.MET	30.2	50	1	0	121850012A	10941
41	6707030DF10	41	T	AB	T21191.41R	\CP21\1FUELS.MET	30.2	100	1	0	121850012A	10941
42	6707012DF50	42	T	AB	T21191.42R	\CP21\1FUELS.MET	30	250	1	0	121850012A	10941
43	MECL2	43	MISC	AA	T21191.43R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
44	6707001DF50	44	T	AB	T21191.44R	\CP21\1FUELS.MET	30.3	250	1	0	121850012A	10941
45	6707002MSDF50	45	MS	AB	T21191.45R	\CP21\1FUELS.MET	30.2	250	1	0	121850012A	10941
46	6707003MSDDF50	46	MSD	AB	T21191.46R	\CP21\1FUELS.MET	30	250	1	0	121850012A	10941
47	MECL2	47	MISC	AA	T21191.47R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
48	6706958DF20	48	T	AB	T21191.48R	\CP21\1FUELS.MET	30	100	1	0	121840005A	10941
49	TPH_31232E	49	CCAL	YP	T21191.49R	.CP21\DXSSTD.MET	1	1	1	0	1219099999	
50	1FUL31232G	50	CCAL	BS	T21191.50R	'21\1FULSCHK.MET	1	1	1	0	1219099999	

ASX67 8998

Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\active-data\CP21\T21191.seq

Chromatography Directory: \\USLAN-CHROMPERF\ACTIVE-DATA\CP21

Method Directory: \\USLAN-CHROMPERF\ACTIVE-DATA\CP21

Number of Entries: 99

	Samplename	VP	Code	ID	FileName	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51	6707004DF50	51	T	AB	T21191.51R	\CP21\1FUELS.MET	30.2	250	1	0	121850012A	10941
52	6706986DF50	52	T	AB	T21191.52R	\CP21\1FUELS.MET	30.5	500	1	0	121850012A	10941
53	MECL2	53	MISC	AA	T21191.53R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
54	6707785DF10	54	T	AB	T21191.54R	\CP21\1FUELS.MET	30	50	1	0	121840005A	10941
55	6706971DF25	55	T	AB	T21191.55R	\CP21\1FUELS.MET	30	125	1	0	121840005A	10941
56	MECL2	56	MISC	AA	T21191.56R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
57	6706981DF5	57	T	AC	T21191.57R	\CP21\1FUELS.MET	30.2	25	1	0	121850012A	10941
58	CARTX1232C	58	CCAL	PH	T21191.58R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
59	TPH_41232E	59	CCAL	DA	T21191.59R	.CP21\DXSSTD.MET	1	1	1	0	1219099999	
60	1FUL31232G	60	CCAL	BZ	T21191.60R	'21\1FULSCHK.MET	1	1	1	0	1219099999	
61	BLANKA 7/9/12	61	BLK	AA	T21191.61R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
62	LCSA 7/9/12	62	LCS	AA	T21191.62R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
63	6712608MS	63	MS	AA	T21191.63R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
64	6712608 7/9/12	64	DUP	AA	T21191.64R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
65	6712409	65	T	AA	T21191.65R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
66	6712410	66	T	AA	T21191.66R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
67	6712411	67	T	AA	T21191.67R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
68	6712555	68	T	AA	T21191.68R	\CP21\1FUELS.MET	5	5	1	0	121910005A	10941
69	6712608	69	T	AA	T21191.69R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
70	6712609	70	T	AA	T21191.70R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
71	6712610	71	T	AA	T21191.71R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
72	6712611	72	T	AA	T21191.72R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
73	TPH_21232E	73	CCAL	FM	T21191.73R	.CP21\DXSSTD.MET	1	1	1	0	1219199999	
74	1FUL31232G	74	CCAL	CD	T21191.74R	'21\1FULSCHK.MET	1	1	1	0	1219199999	
75	BLANKA 7/5/12S	75	BLK	AB	T21191.75R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
76	LCSA 7/5/12S	76	LCS	AB	T21191.76R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
77	6706719S	77	T	AB	T21191.77R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
78	6706719 7/5/12S	78	DUP	AB	T21191.78R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
79	6706720S	79	T	AB	T21191.79R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
80	6706721S	80	T	AB	T21191.80R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
81	6706723S	81	T	AB	T21191.81R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
82	6706722S	82	T	AB	T21191.82R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
83	6706725S	83	T	AB	T21191.83R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
84	6706726S	84	T	AB	T21191.84R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
85	6706724S	85	T	AB	T21191.85R	21\RANGESDX.MET	60	5	1	0	121870001A	12006
86	MECL2	86	MISC	AA	T21191.86R	.CP21\DXSSTD.MET	1	1	1	0	1218699999	
87	TPH_31232E	87	CCAL	YS	T21191.87R	.CP21\DXSSTD.MET	1	1	1	0	1219199999	
88	1FUL31232G	88	CCAL	CE	T21191.88R	'21\1FULSCHK.MET	1	1	1	0	1219199999	
89	CARTX1232C	89	CCAL	PI	T21191.89R	'21\1FULSCHK.MET	1	1	1	0	1219199999	
90	6712410 RI	90	T	AA	T21191.90R	\CP21\1FUELS.MET	30	5	1	0	121910005A	10941
91	6712555DF2	91	T	AB	T21191.91R	\CP21\1FUELS.MET	5	10	1	0	121910005A	10941
92	6712608 7/9/12DF5	92	DUP	AB	T21191.92R	\CP21\1FUELS.MET	30	25	1	0	121910005A	10941
93	6712608DF5	93	T	AB	T21191.93R	\CP21\1FUELS.MET	30	25	1	0	121910005A	10941
94	6712608MSDF5	94	MS	AB	T21191.94R	\CP21\1FUELS.MET	30	25	1	0	121910005A	10941
95	6706724S DF5	95	T	AC	T21191.95R	21\RANGESDX.MET	60	25	1	0	121870001A	12006
96	TPH_41232E	96	CCAL	DC	T21191.96R	.CP21\DXSSTD.MET	1	1	1	0	1219299999	
97	1FUL31232G	97	CCAL	CF	T21191.97R	'21\1FULSCHK.MET	1	1	1	0	1219299999	
98	MS1219332A	98	CCAL	BH	T21191.98R	21\RANGESDX.MET	1	1	1	0	1219299999	
99	MS1219332B	99	CCAL	BI	T21191.99R	21\RANGESDX.MET	1	1	1	0	1219299999	

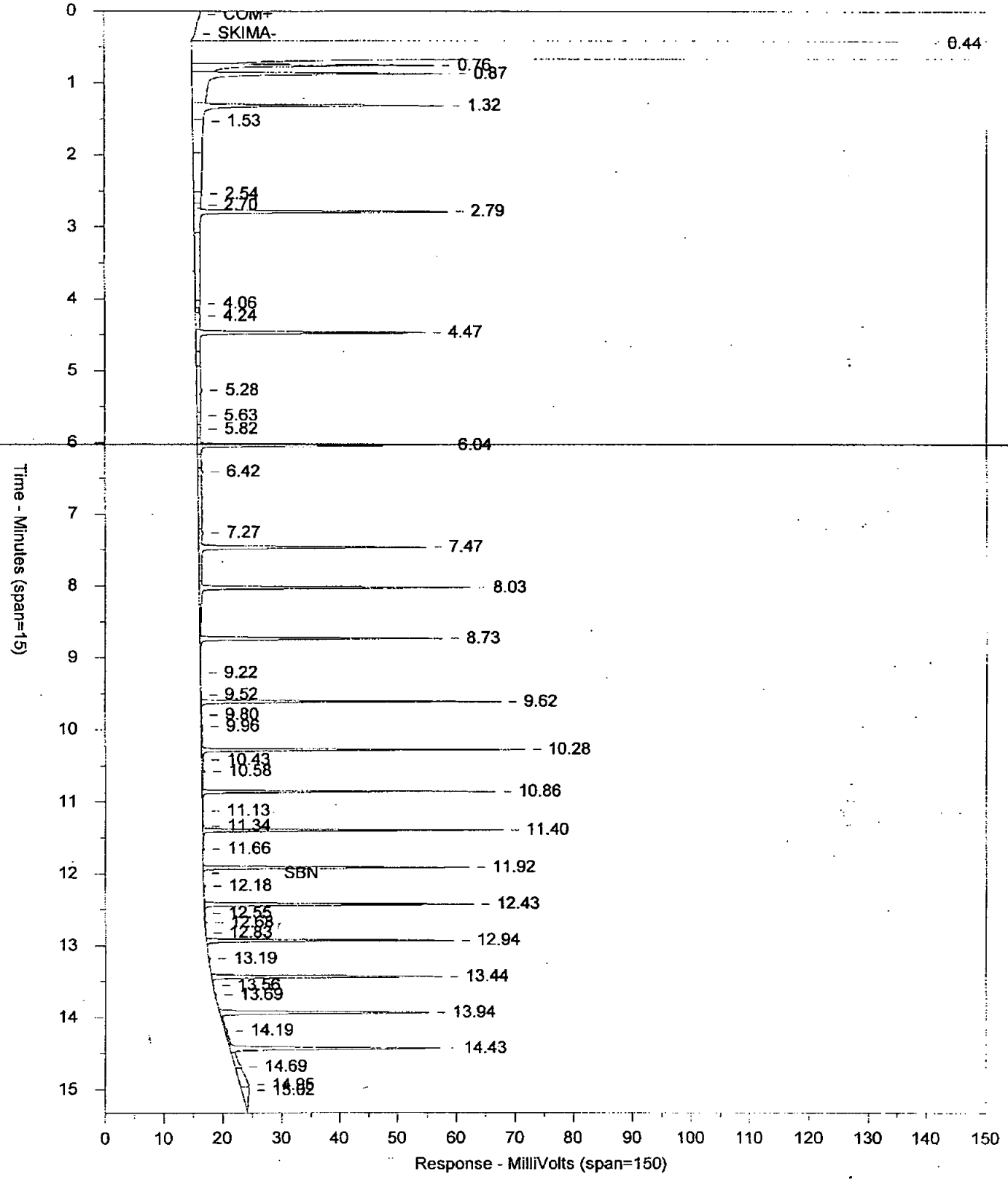
Set-up by: _____ Date: 7/10/12

7/11/2012

ASX67 8991

Chrom Perfect Chromatogram Report

Sample ID: TPH_11232B AATPH_1AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0016.RAW TPH/DRO by 8015B, modified



ASX67 8982

Sample ID: TPH_11232B AATPH_1AA ICAL 1217899999
File: T21180.0016.RAW

ECY 97-602 NWTPH-Dx modified
TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 3:01:24 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
4	1.32	C10	5.37	94405
10	4.24	Capric Acid	5.36	10124
19	8.03	O-terphenyl	4.35	85493
32	11.40	C-28	4.03	68714

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	19.11	970077.8
2	7.98	8.08	4.35	85493.1

********** RESULTS TABLE **********

DRO AREA = 970077.8
DRO AMOUNT = 44.66222 PPM

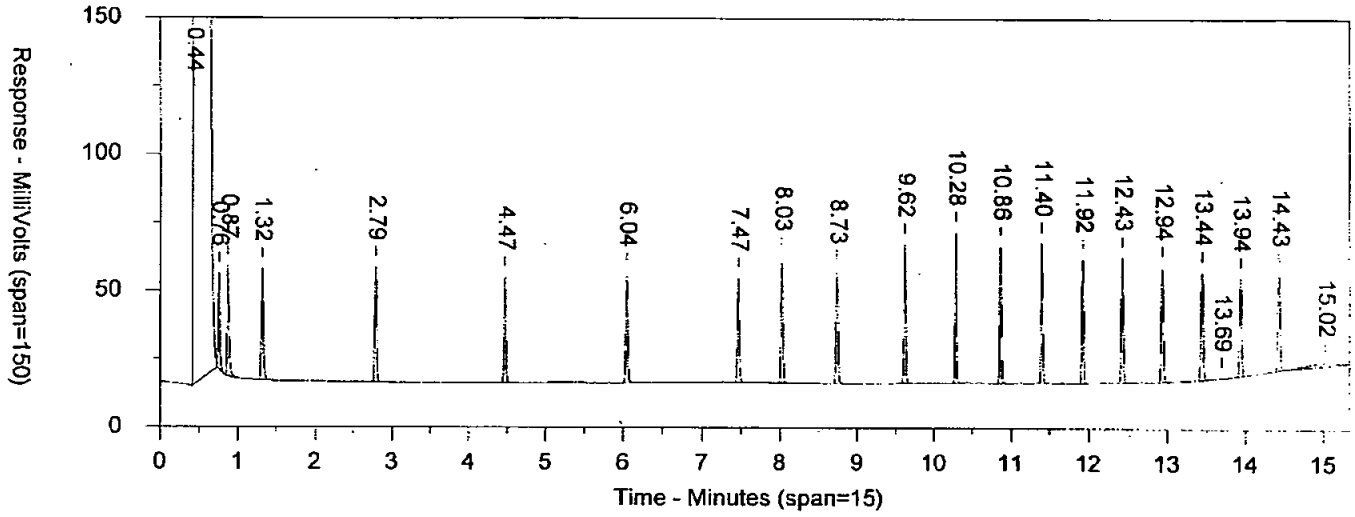
% Difference #2 Fuel Oil Level 3 = -94.41722%

FILES:
Area File: T21180.0016.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 3:16:46 PM
File reported on: 7/2/2012 at 6:52:19 PM

ASX67 0993

Chrom Perfect Chromatogram Report

Sample ID: TPH_11232B AATPH_1AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0016.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 3:01:24 PM
~~Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min~~
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

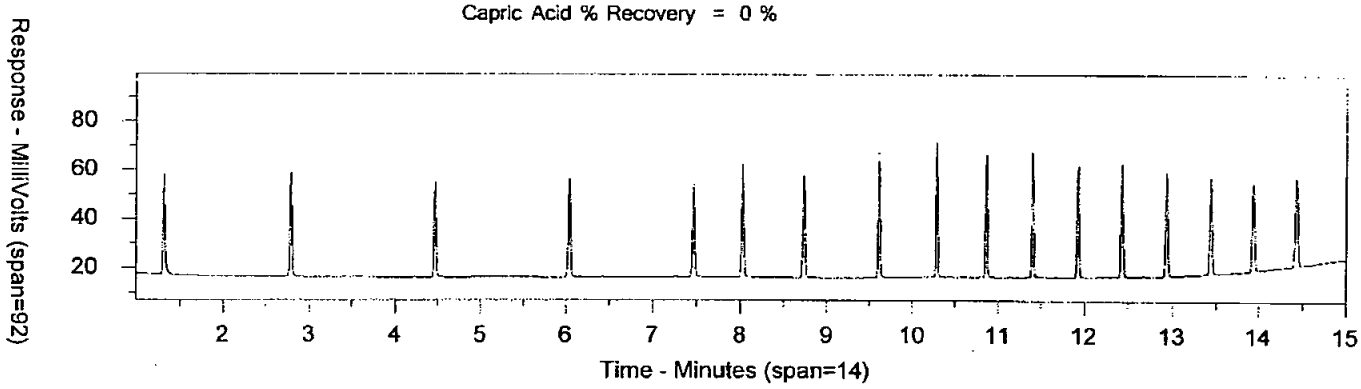
Sample Weight: 1
Dilution Factor: 1
~~Injection Volume: 1~~
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
4	1.32	C10	3.45	65922
9	8.03	O-terphenyl	3.86	77296
14	11.40	C-28	4.00	68395

********** Results Table **********

o-Terphenyl Level 3 % Difference = -75.90271 %

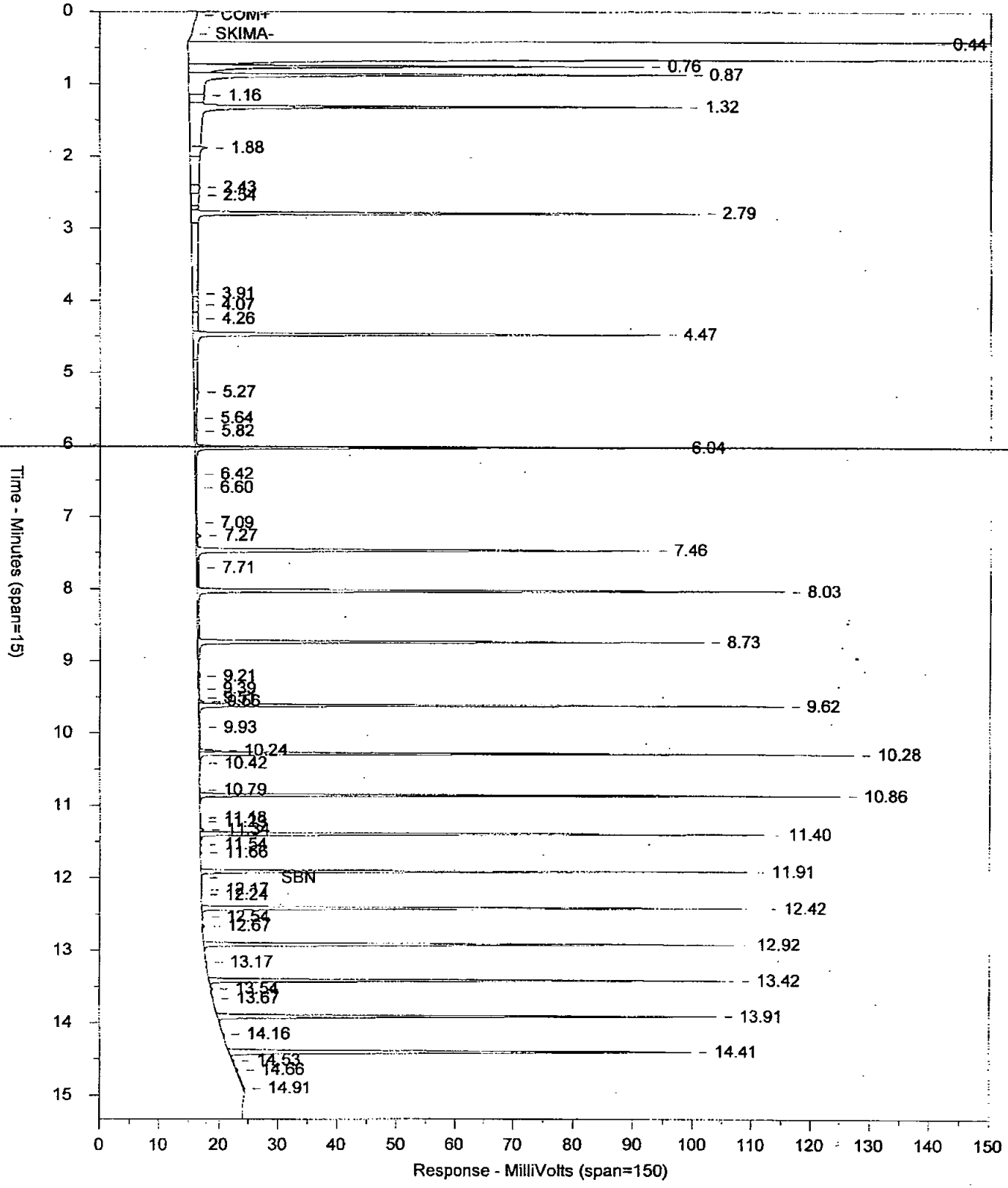
WW o-Terphenyl % Recovery = 32.12972 %
SW o-Terphenyl % Recovery = 6.425944 %
Capric Acid % Recovery = 0 %



FILES:
Area File: T21180.0016.RAW
Area file created on: 6/28/2012 3:16:46 PM
File reported on: 7/2/2012 at 6:52:25 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 8994

Sample ID: TPH_21232E AATPH_2AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0017.RAW TPH/DRO by 8015B, modified



ASX67 8995

Sample ID: TPH_21232E AATPH_2AA ICAL 1217899999
File: T21180.0017.RAW

ECY 97-602 NWTPH-Dx modified
TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 3:23:28 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
5	1.32	C10	11.65	206037
12	4.26	Capric Acid	5.64	13550
24	8.03	O-terphenyl	8.40	164933
40	11.40	C-28	8.09	138133

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	33.78	1732518.0
2	7.98	8.08	8.40	164932.7

********** RESULTS TABLE **********

DRO AREA = 1732518
DRO AMOUNT = 79.76483 PPM

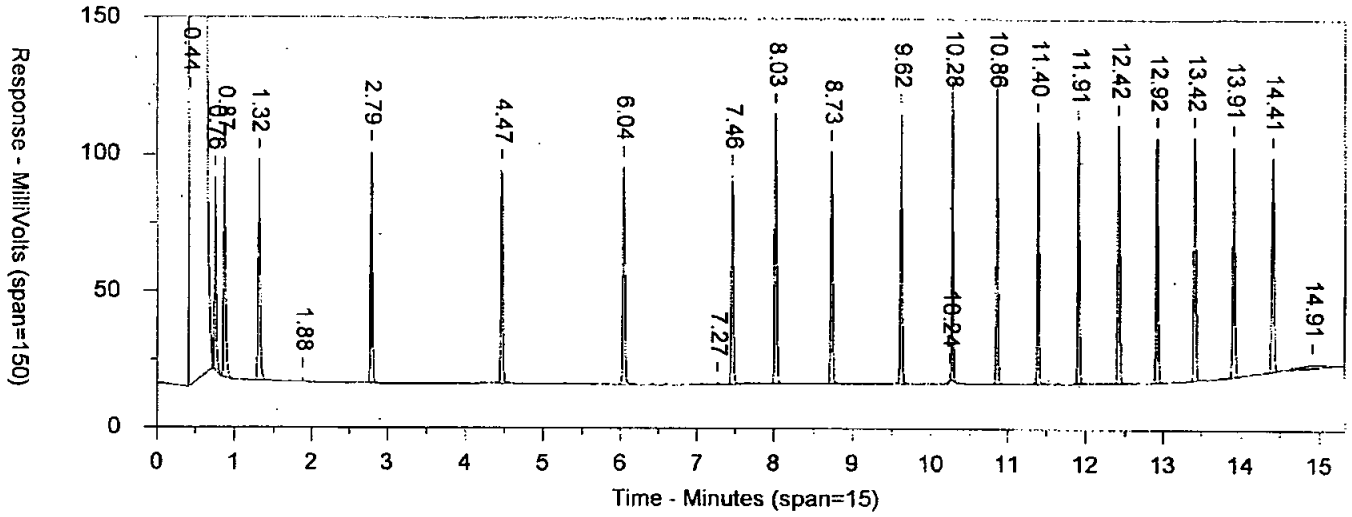
% Difference #2 Fuel Oil Level 3 = -90.0294%

FILES:
Area File: T21180.0017.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 3:38:50 PM
File reported on: 7/2/2012 at 6:55:59 PM

ASX67 8996

Chrom Perfect Chromatogram Report

Sample ID: TPH_21232E AATPH_2AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0017.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 3:23:28 PM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

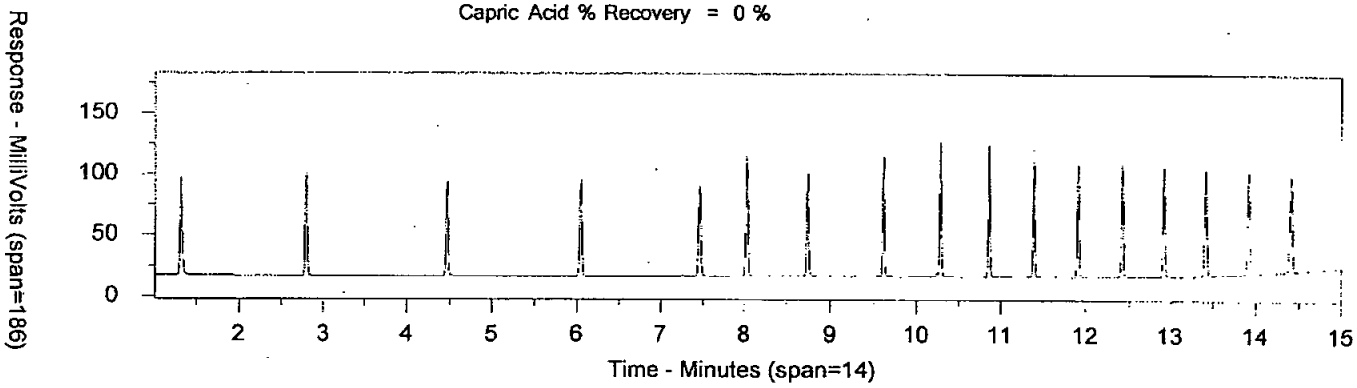
Sample Weight: 1
Dilution Factor: 1
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
4	1.32	C10	7.51	132773
11	8.03	O-terphenyl	8.13	159676
17	11.40	C-28	8.15	139171

********** Results Table **********

o-Terphenyl Level 3 % Difference = -49.18134 %

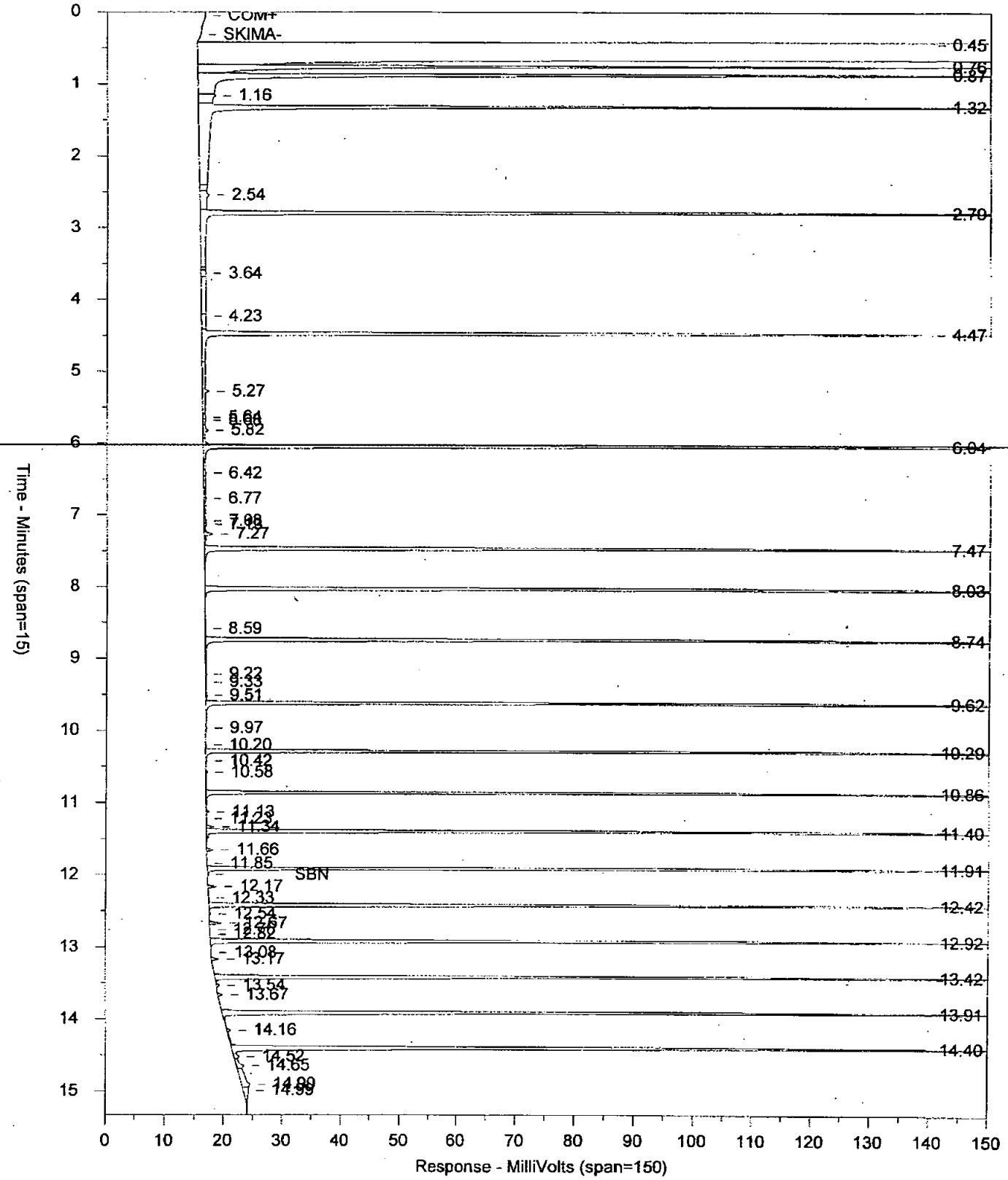
WW o-Terphenyl % Recovery = 67.75821 %
SW o-Terphenyl % Recovery = 13.55164 %
Capric Acid % Recovery = 0 %



FILES:
Area File: T21180.0017.RAW
Area file created on: 6/28/2012 3:38:50 PM
File reported on: 7/2/2012 at 6:56:19 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 0997

Sample ID: TPH_31232E AATPH_3AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0018.RAW TPH/DRO by 8015B, modified



ASX67 8998

Sample ID: TPH_31232E AATPH_3AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0018.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 3:45:45 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
5	1.32	C10	22.07	390418
9	4.23	Capric Acid	5.30	9448
22	8.03	O-terphenyl	16.38	321726
38	11.40	C-28	16.10	274858

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	59.86	3337205.0
2	7.98	8.08	16.38	321726.2

********** RESULTS TABLE **********

DRO AREA = 3337205
DRO AMOUNT = 153.6444 PPM

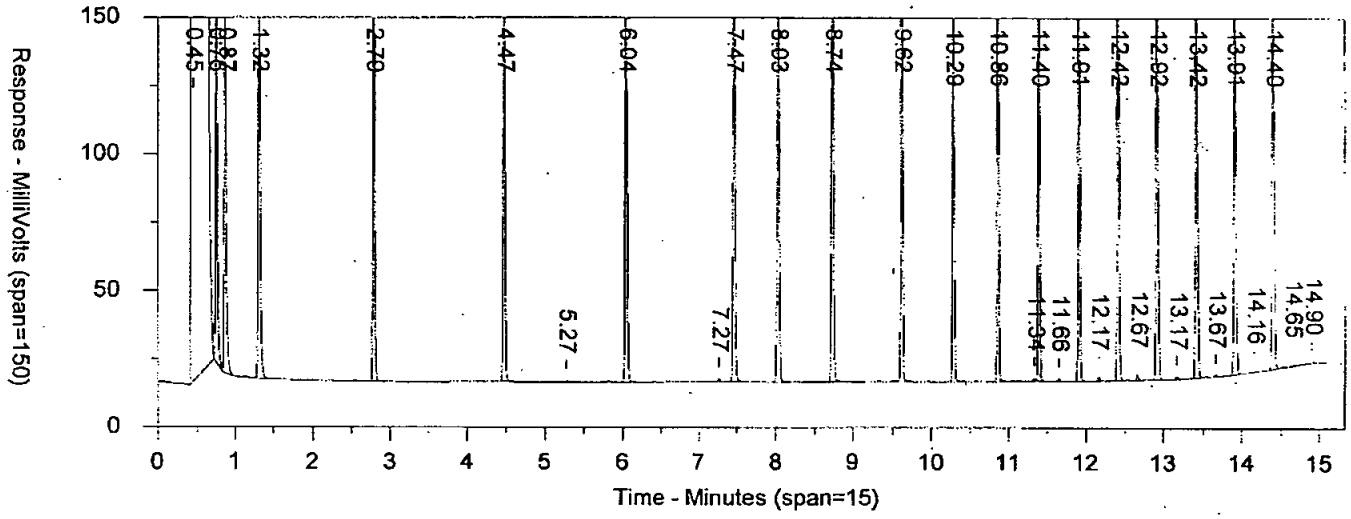
% Difference #2 Fuel Oil Level 3 = -80.79446%

FILES:
Area File: T21180.0018.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 4:01:07 PM
File reported on: 7/2/2012 at 6:56:01 PM

ASX67 0999

Chrom Perfect Chromatogram Report

Sample ID: TPH_31232E AATPH_3AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0018.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 3:45:45 PM
Oven Parameters: 50C for 1min; 15C/min to 180C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

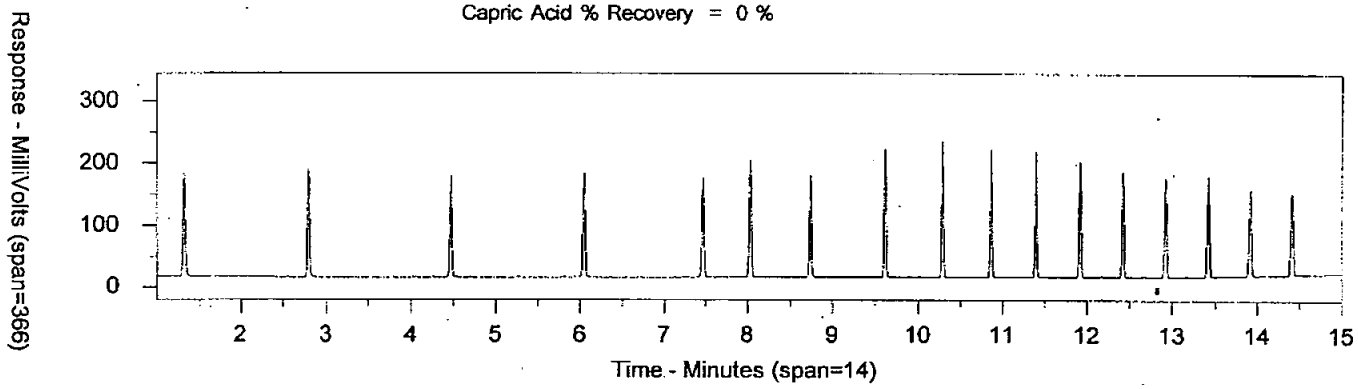
Sample Weight: 1
Dilution Factor: 1
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
4	1.32	C10	15.20	268766
11	8.03	O-terphenyl	16.36	321298
17	11.40	C-28	15.97	272712

********** Results Table **********

o-Terphenyl Level 3 % Difference = 2.256858 %

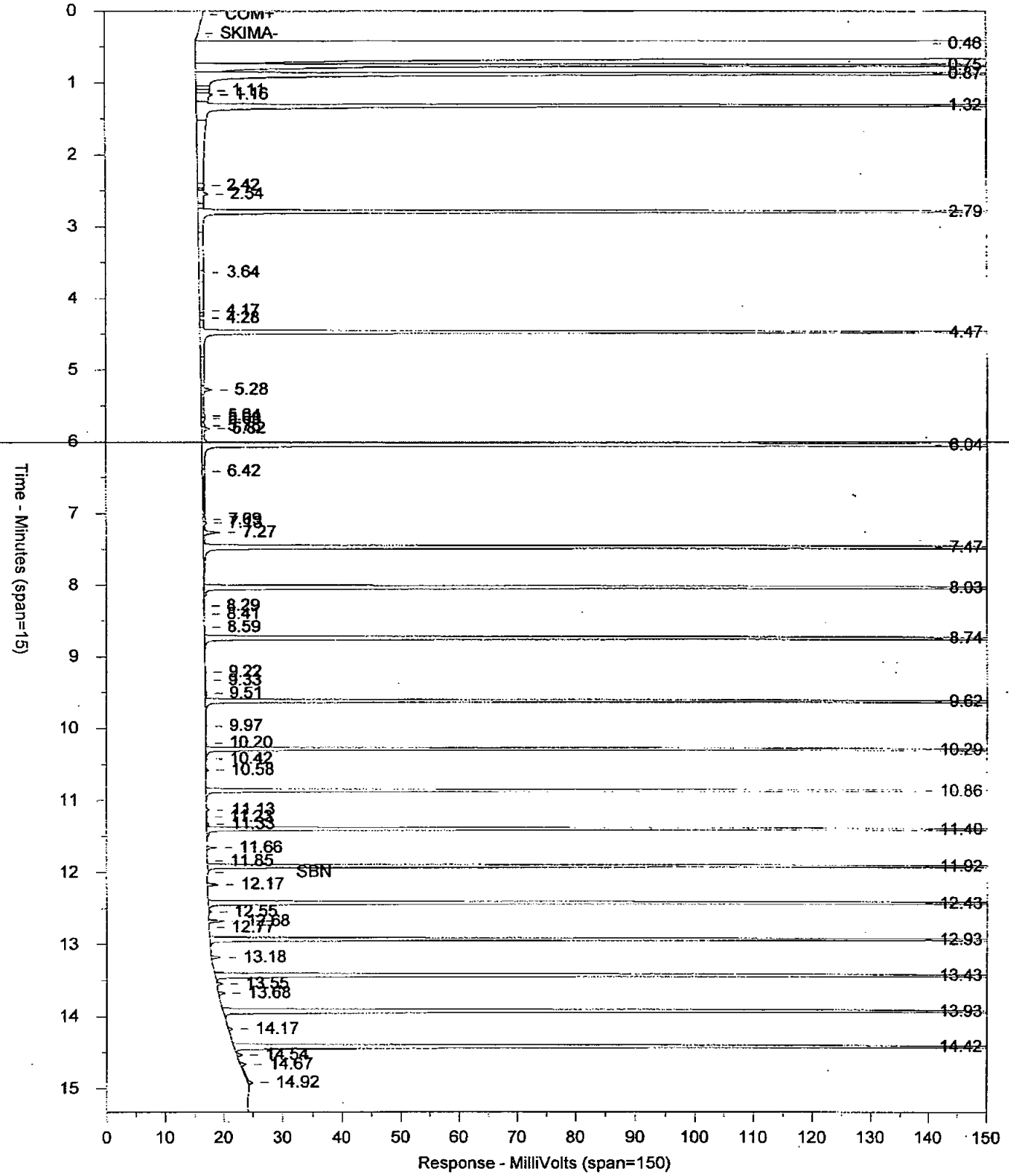
WW o-Terphenyl % Recovery = 136.3425 %
SW o-Terphenyl % Recovery = 27.2685 %
Capric Acid % Recovery = 0 %



FILES:
Area File: T21180.0018.RAW
Area file created on: 6/28/2012 4:01:07 PM
File reported on: 7/2/2012 at 6:56:23 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1888

Sample ID: TPH_41232E AATPH_4AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0019.RAW TPH/DRO by 8015B, modified



ASX67 1021

Sample ID: TPH_41232E AATPH_4AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0019.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 4:10:50 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
6	1.32	C10	32.10	567709
12	4.28	Capric Acid	4.75	2672
25	8.03	O-terphenyl	31.68	622083
43	11.40	C-28	31.45	536929

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	99.98	6251036.0
2	7.98	8.08	31.68	622083.1

********** RESULTS TABLE **********

DRO AREA = 6251036
DRO AMOUNT = 287.7967 PPM

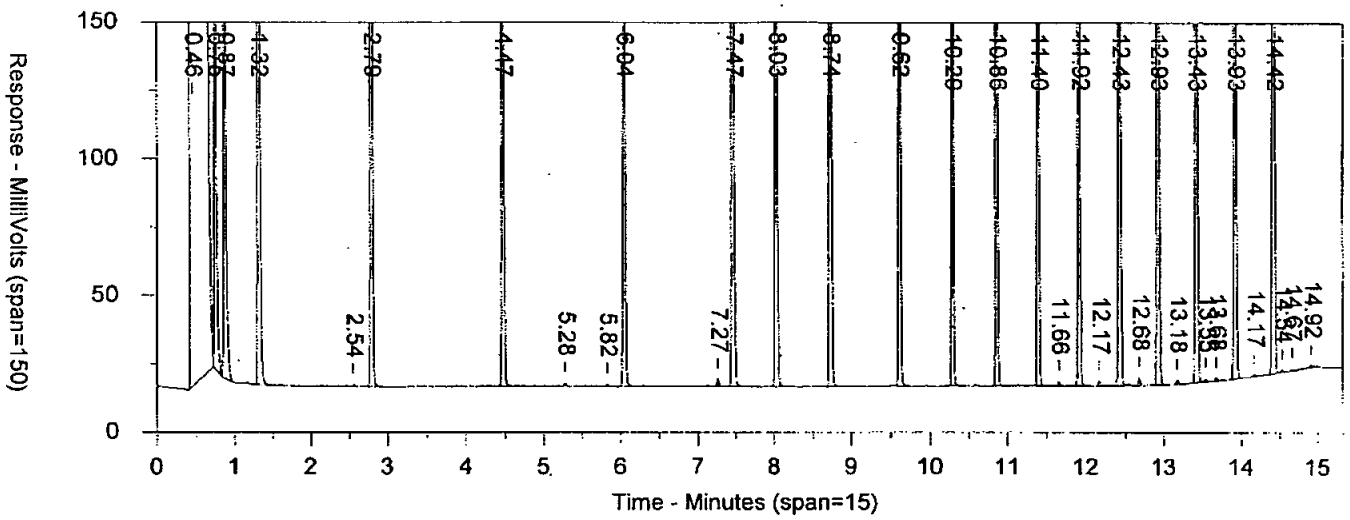
% Difference #2 Fuel Oil Level 3 = -64.02541%

FILES:
Area File: T21180.0019.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 4:26:12 PM
File reported on: 7/2/2012 at 6:56:03 PM

ASX67 1082

Chrom Perfect Chromatogram Report

Sample ID: TPH_41232E AATPH_4AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0019.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 4:10:50 PM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

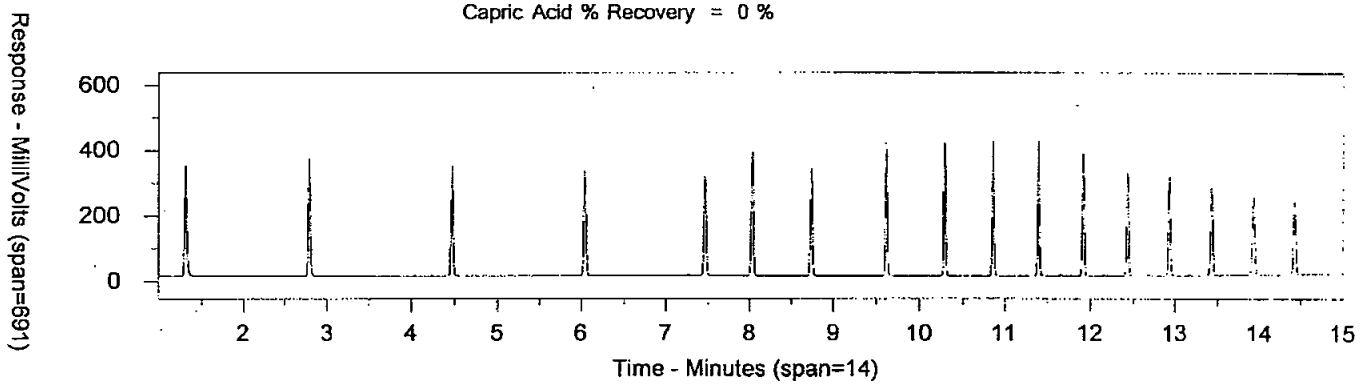
Sample Weight: 1
Dilution Factor: 1
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
4	1.32	C10	30.45	538568
13	8.03	O-terphenyl	31.66	621704
18	11.40	C-28	31.40	536017

Results Table

o-Terphenyl Level 3 % Difference = 97.86462 %

WW o-Terphenyl % Recovery = 263.8195 %
SW o-Terphenyl % Recovery = 52.7639 %
Capric Acid % Recovery = 0 %

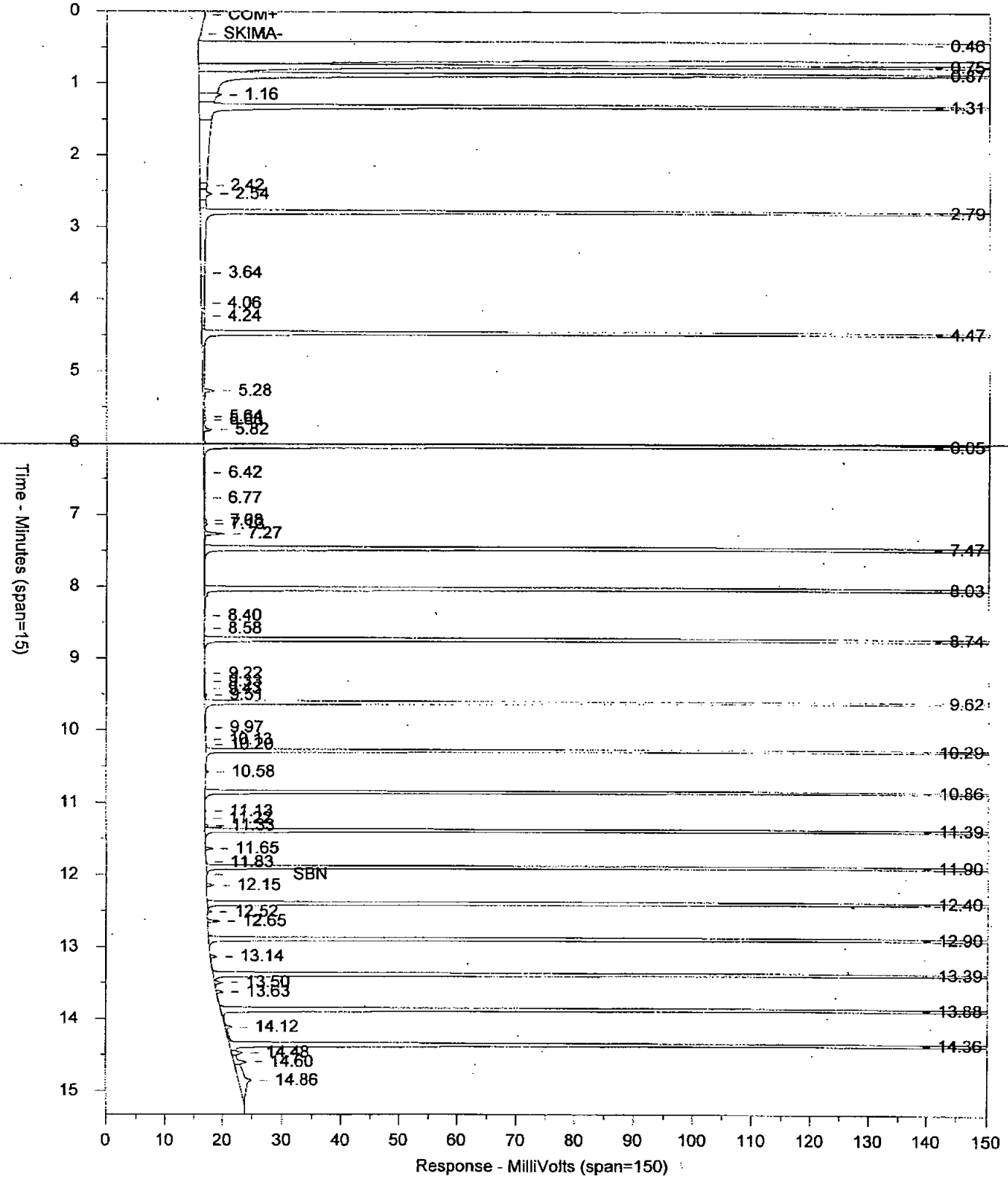


FILES:
Area File: T21180.0019.RAW
Area file created on: 6/28/2012 4:26:12 PM
File reported on: 7/2/2012 at 6:56:27 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1883

Chrom Perfect Chromatogram Report

Sample ID: TPH_51232B AATPH_5AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0020.RAW TPH/DRO by 8015B, modified



ASX67 1884

Sample ID: TPH_51232B AATPH_5AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0020.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 4:32:58 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
5	1.31	C10	40.18	710696
11	4.24	Capric Acid	5.00	5685
24	8.03	O-terphenyl	39.51	775872
42	11.39	C-28	40.60	693016

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	125.28	7812001.0
2	7.98	8.08	39.51	775872.4

********** RESULTS TABLE **********

DRO AREA = 7812001
DRO AMOUNT = 359.6632 PPM

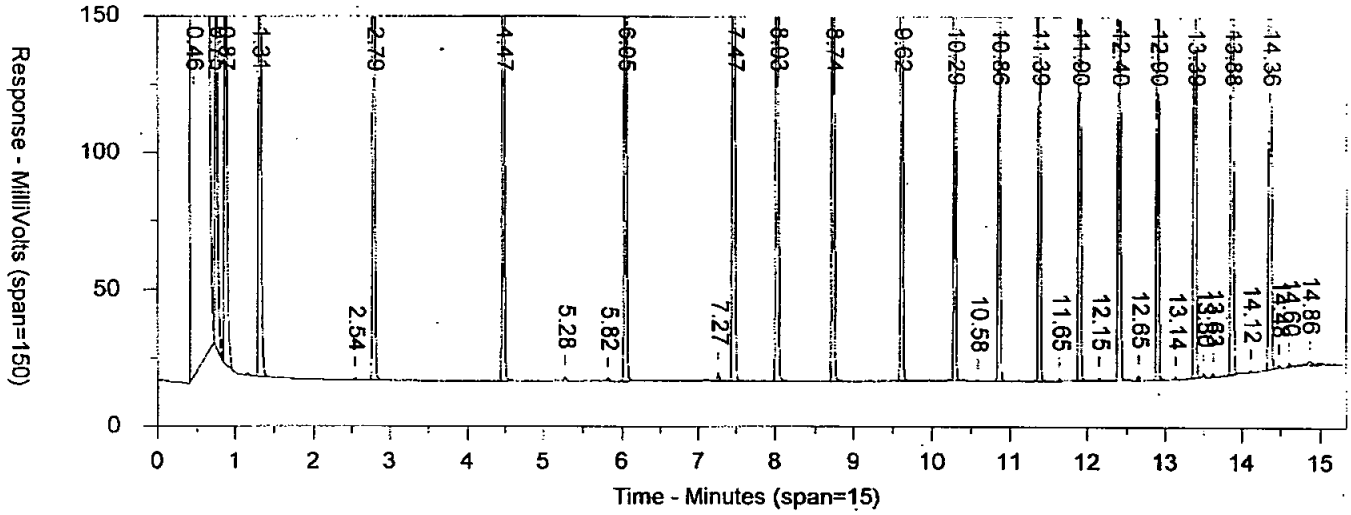
% Difference #2 Fuel Oil Level 3 = -55.0421%

FILES:
Area File: T21180.0020.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 4:48:18 PM
File reported on: 7/2/2012 at 6:56:05 PM

ASX67 1885

Chrom Perfect Chromatogram Report

Sample ID: TPH_51232B AATPH_5AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0020.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 4:32:58 PM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

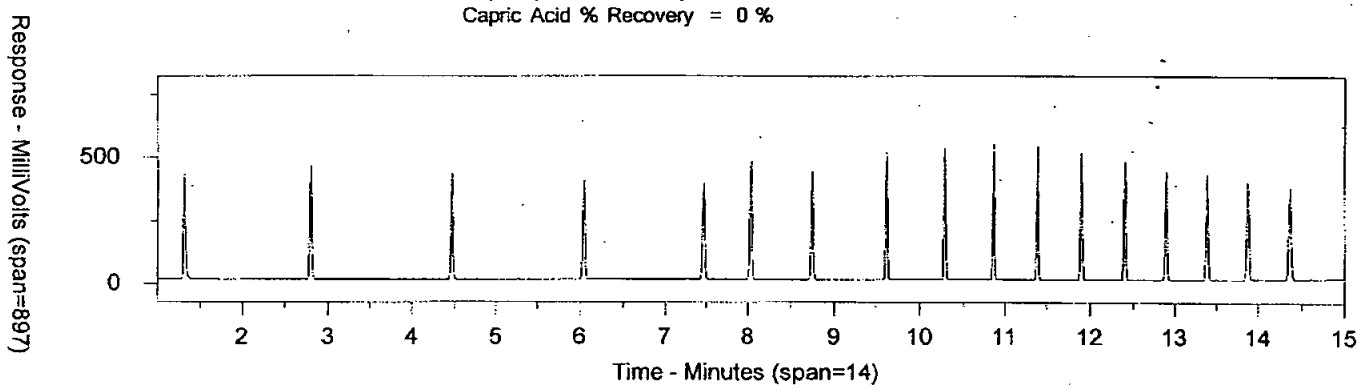
Sample Weight: 1
Dilution Factor: 1
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
4	1.31	C10	38.08	673594
13	8.03	O-terphenyl	39.51	775872
19	11.39	C-28	40.66	694104

Results Table

o-Terphenyl Level 3 % Difference = 146.9304 %

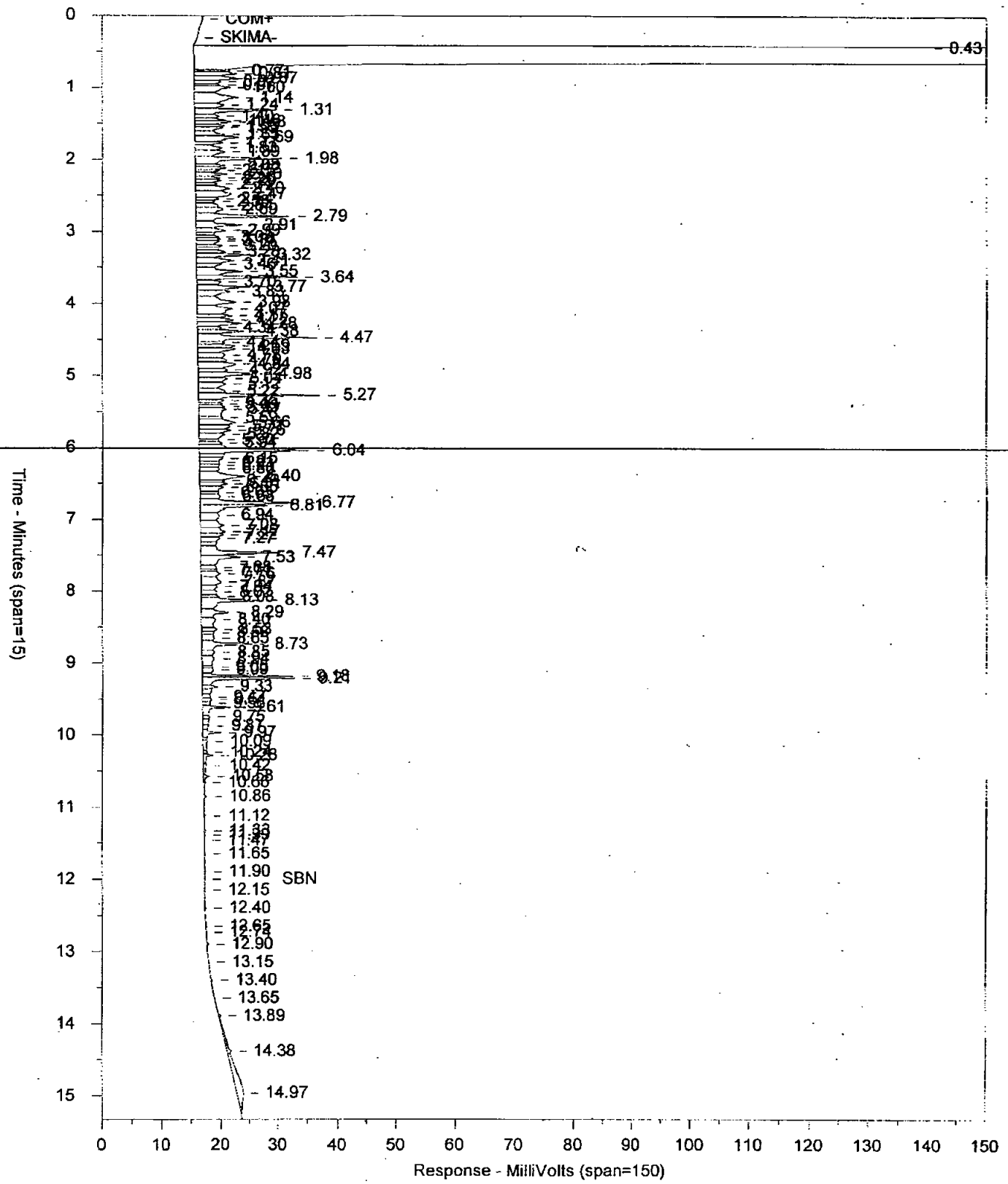
WW o-Terphenyl % Recovery = 329.2405 %
SW o-Terphenyl % Recovery = 65.84809 %
Capric Acid % Recovery = 0 %



FILES:
Area File: T21180.0020.RAW
Area file created on: 6/28/2012 4:48:18 PM
File reported on: 7/2/2012 at 6:56:31 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1886

Sample ID: 1FUL11232D AA1FUL1AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0021.RAW TPH/DRO by 8015B, modified



ASX67 1007

Sample ID: 1FUL11232D AA1FUL1AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0021.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 4:57:07 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
10	1.31	C10	2.02	35644
54	4.22	Capric Acid	5.91	16916
107	8.02	O-terphenyl	0.54	10633
139	11.39	C-28	0.03	583

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	8.50	2120395.0
2	7.98	8.08	0.54	10633.4

********** RESULTS TABLE **********

DRO AREA = 2120395
DRO AMOUNT = 97.62265 PPM

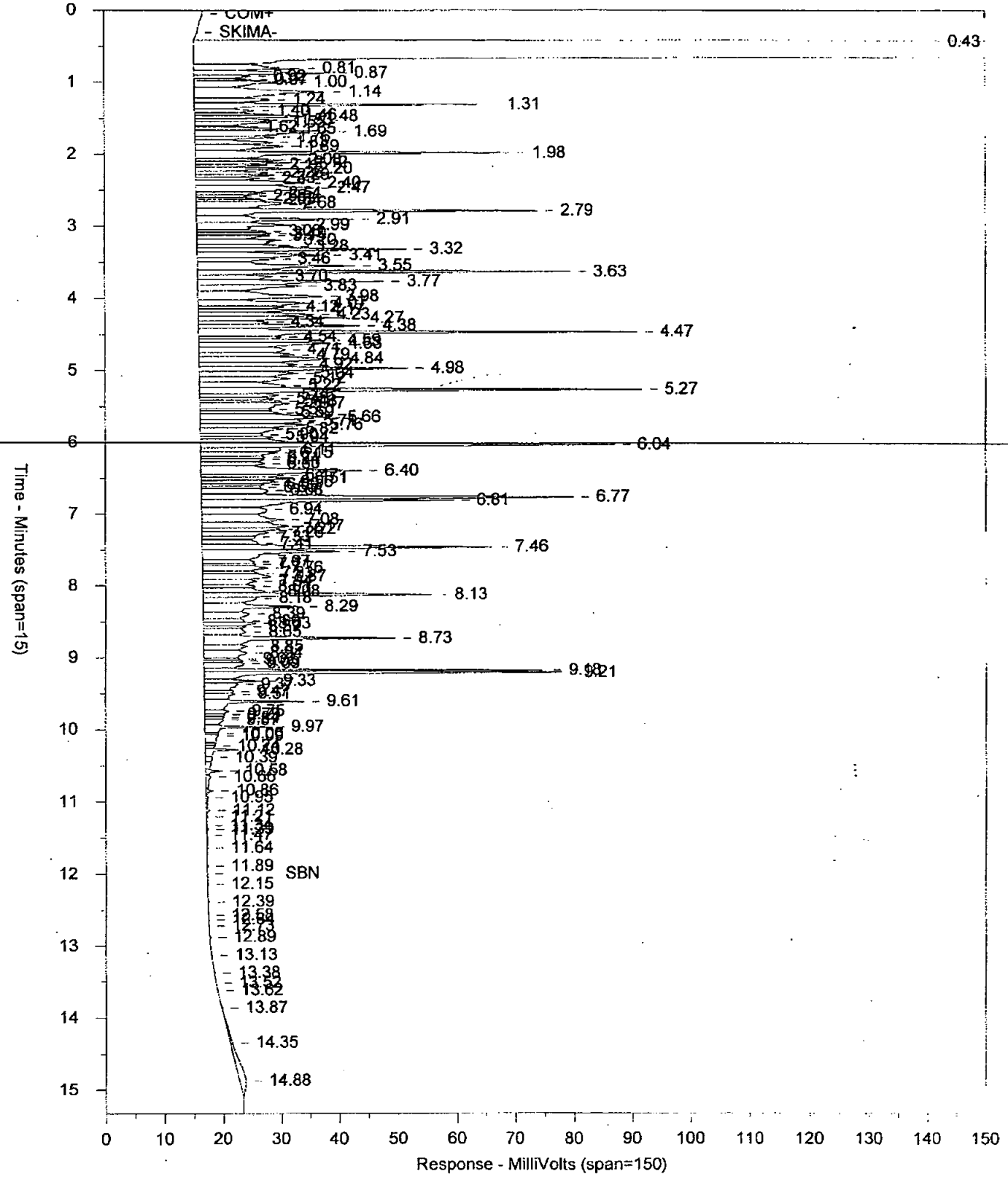
% Difference #2 Fuel Oil Level 3 = -87.79717%

FILES:
Area File: T21180.0021.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 5:12:27 PM
File reported on: 7/2/2012 at 6:56:07 PM

ASX67 1888

Chrom Perfect Chromatogram Report

Sample ID: 1FUL21232C AA1FUL2AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0022.RAW TPH/DRO by 8015B, modified



ASX67 1889

Sample ID: 1FUL21232C AA1FUL2AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0022.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 5:19:12 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
9	1.31	C10	6.01	106332
56	4.23	Capric Acid	8.50	48638
115	8.01	O-terphenyl	1.29	25355
155	11.39	C-28	0.04	682

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	15.84	7060044.0
2	7.98	8.08	1.29	25354.8

********** RESULTS TABLE **********

DRO AREA = 7060044
DRO AMOUNT = 325.0432 PPM

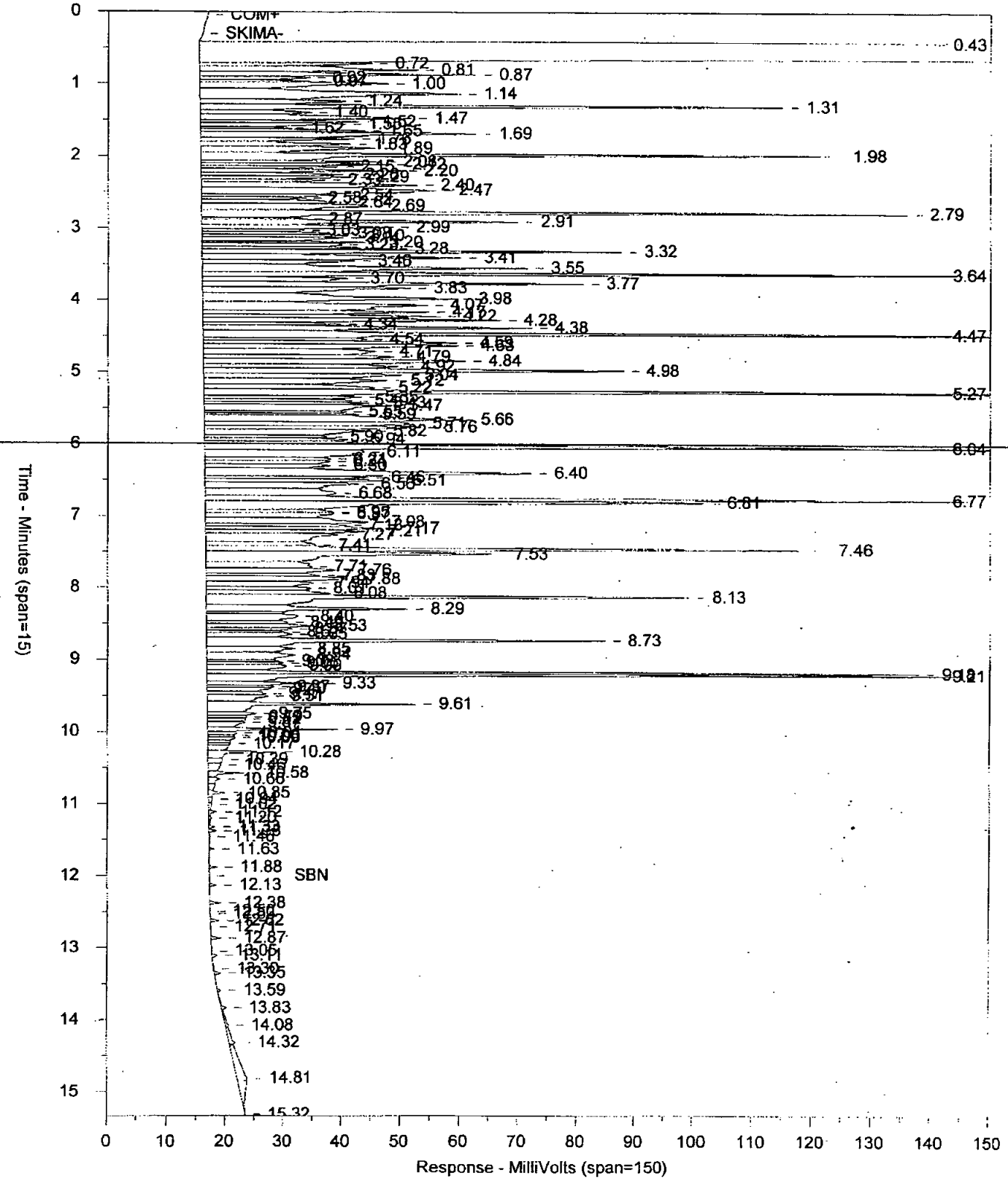
% Difference #2 Fuel Oil Level 3 = -59.36959%

FILES:
Area File: T21180.0022.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 5:34:32 PM
File reported on: 7/2/2012 at 6:56:09 PM

ASX67 1818

Chrom Perfect Chromatogram Report

Sample ID: 1FUL31232G AA1FUL3AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0023.RAW TPH/DRO by 8015B, modified



ASX67 1811

Sample ID: 1FUL31232G AA1FUL3AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0023.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 5:41:15 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
10	1.31	C10	11.66	206159
57	4.22	Capric Acid	12.50	97676
113	8.01	O-terphenyl	2.62	51426
157	11.38	C-28	0.13	2154

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	26.90	14030020.0
2	7.98	8.08	2.62	51426.4

********** RESULTS TABLE **********

DRO AREA = 1.403002E+07
DRO AMOUNT = 645.9399 PPM

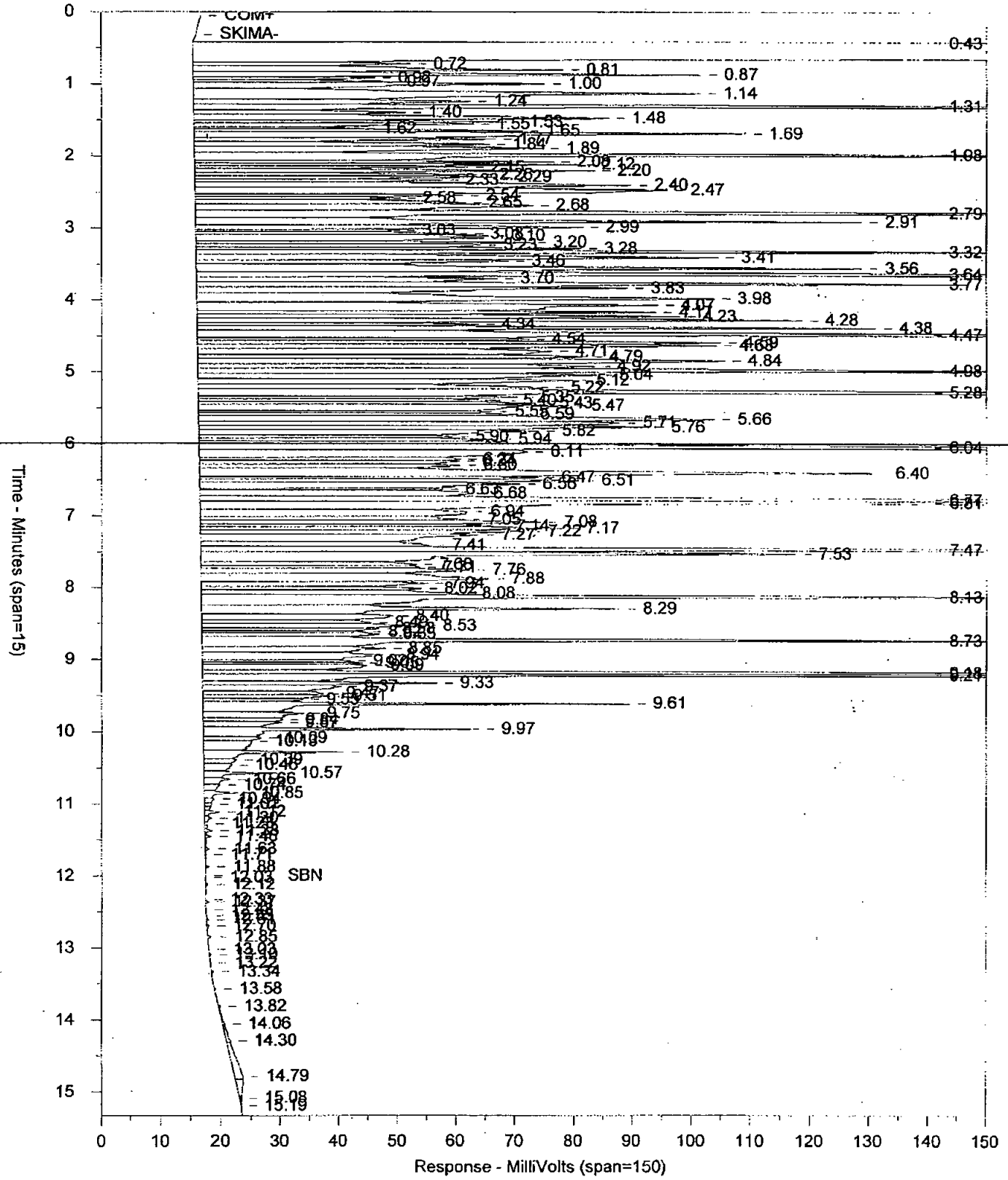
% Difference #2 Fuel Oil Level 3 = -19.25751%

FILES:
Area File: T21180.0023.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 5:56:36 PM
File reported on: 7/2/2012 at 6:56:11 PM

ASX67 1012

Chrom Perfect Chromatogram Report

Sample ID: 1FUL41232C AA1FUL4AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0024.RAW TPH/DRO by 8015B, modified



ASX67 1813

Sample ID: 1FUL41232C AA1FUL4AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0024.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 6:03:21 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
10	1.31	C10	22.73	402021
55	4.23	Capric Acid	21.84	212214
112	8.02	O-terphenyl	4.77	93719
154	11.38	C-28	0.15	2554

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	49.49	28261140.0
2	7.98	8.08	4.77	93719.2

********** RESULTS TABLE **********

DRO AREA = 2.826114E+07
DRO AMOUNT = 1301.138 PPM

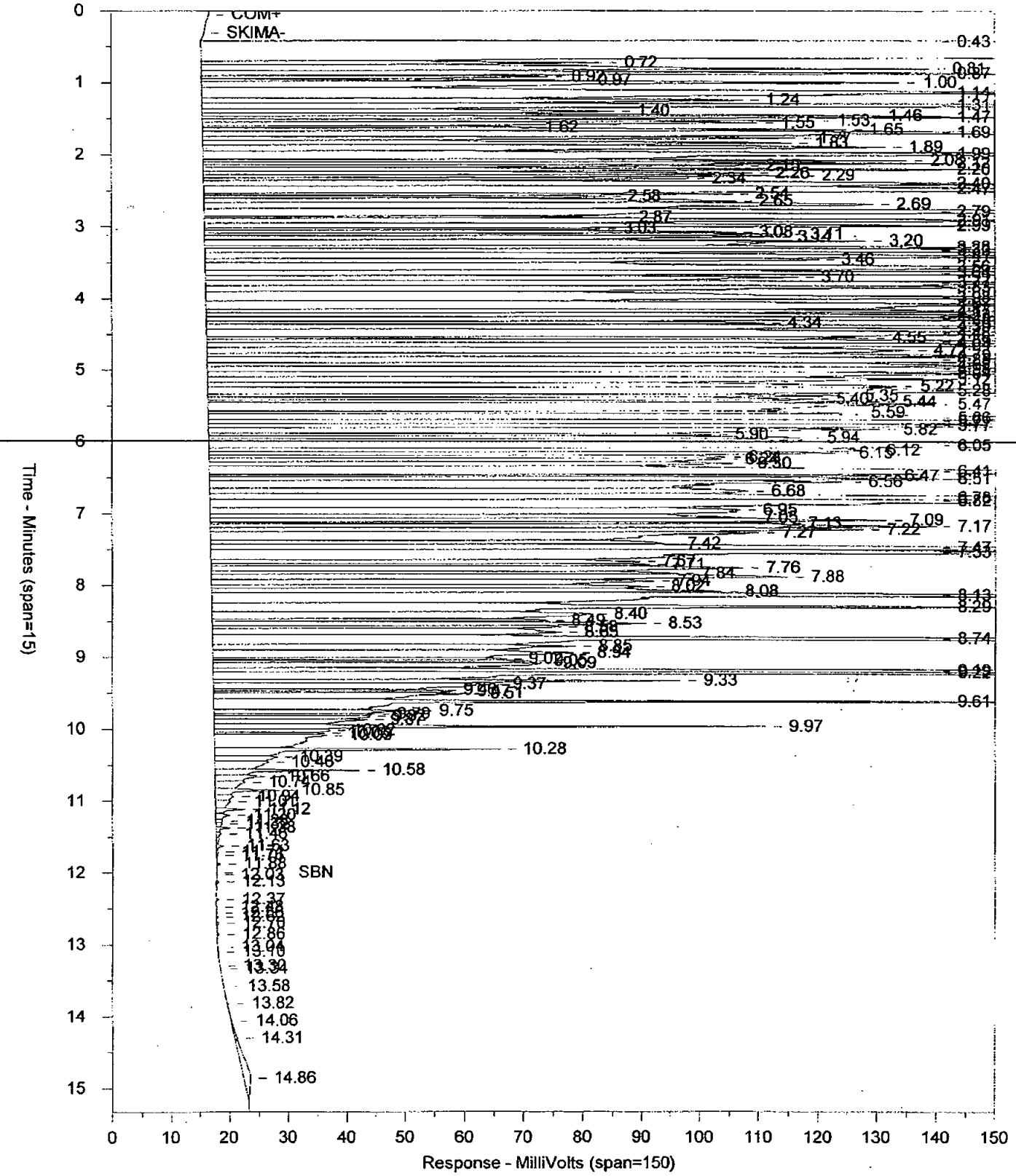
% Difference #2 Fuel Oil Level 3 = 62.64228%

FILES:
Area File: T21180.0024.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 6:18:43 PM
File reported on: 7/2/2012 at 6:56:13 PM

ASX67 1814

Chrom Perfect Chromatogram Report

Sample ID: 1FUL51232C AA1FUL5AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0025.RAW TPH/DRO by 8015B, modified



ASX67 1815

Sample ID: 1FUL51232C AA1FUL5AA ICAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0025.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 6:25:25 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
10	1.31	C10	44.82	792763
57	4.23	Capric Acid	38.77	419782
114	8.02	O-terphenyl	9.64	189358
158	11.38	C-28	0.29	5031

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	93.53	56092650.0
2	7.98	8.08	9.64	189357.9

********** RESULTS TABLE **********

DRO AREA = 5.609265E+07
DRO AMOUNT = 2582.496 PPM

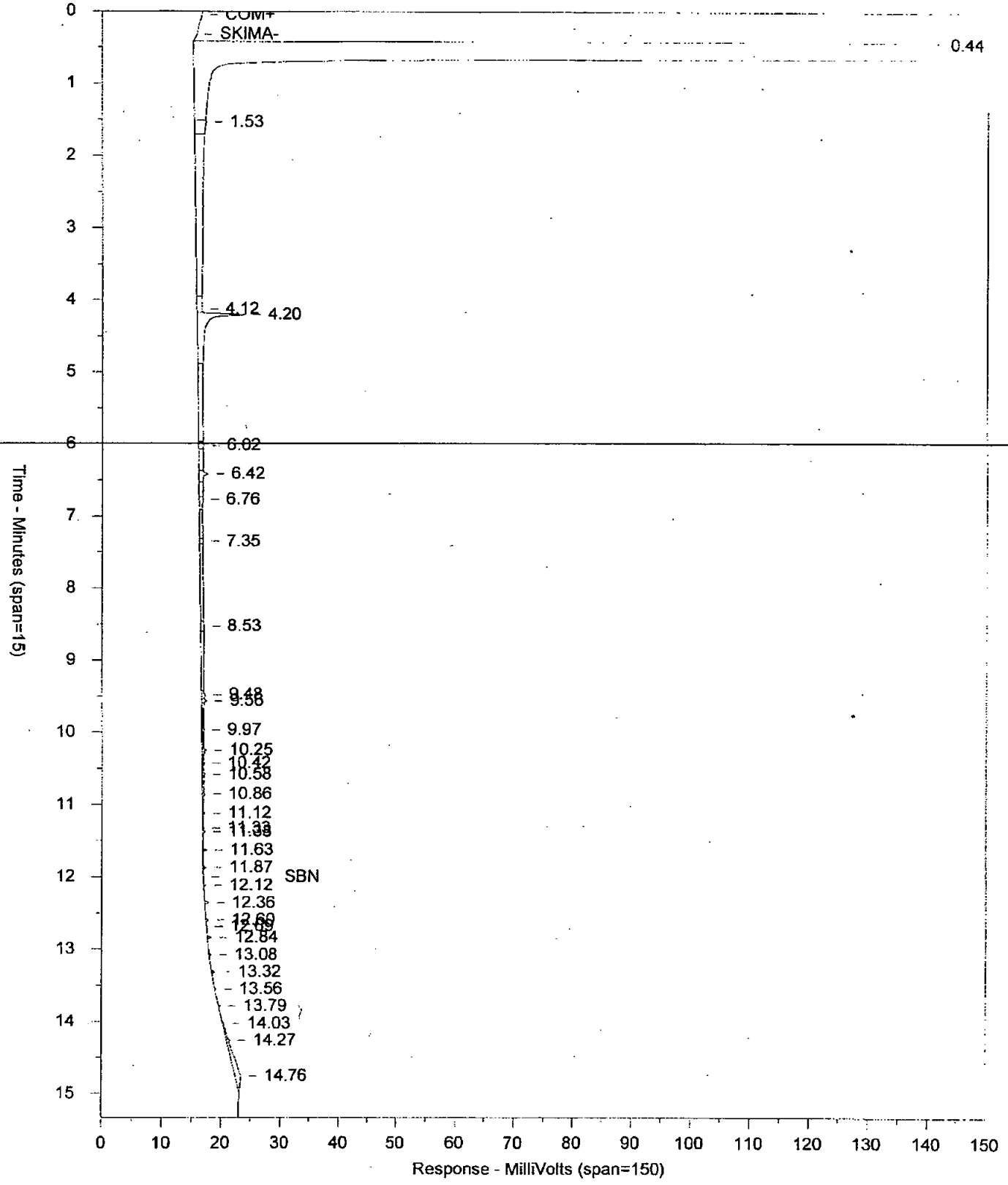
% Difference #2 Fuel Oil Level 3 = 222.812%

FILES:
Area File: T21180.0025.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 6:40:46 PM
File reported on: 7/2/2012 at 6:56:15 PM

ASX67 1816

Chrom Perfect Chromatogram Report

Sample ID: CAPR11232B AACAPR1AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0026.RAW TPH/DRO by 8015B, modified



ASX67 1817

Sample ID: CAPR11232B AACAPR1AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0026.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 6:47:34 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
4	4.20	Capric Acid	10.07	67958
19	11.38	C-28	0.05	930

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	10.13	156857.2
2	7.98	8.08	0.00	0.0

********** RESULTS TABLE **********

DRO AREA = 156857.2
DRO AMOUNT = 8.563594 PPM

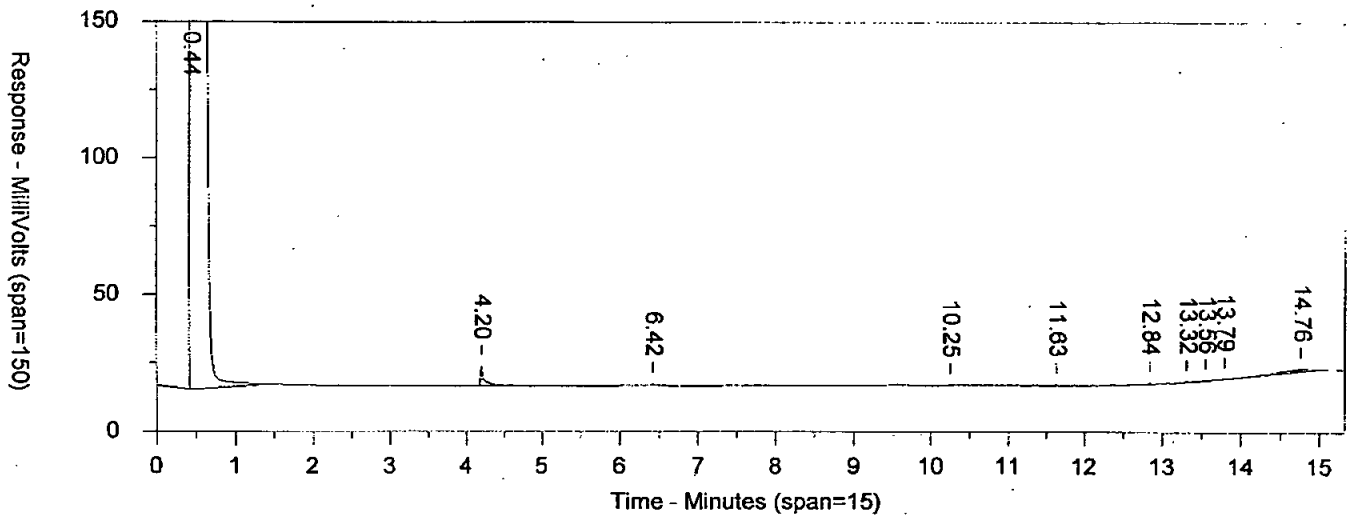
% Difference #2 Fuel Oil Level 3 = -98.92955%

FILES:
Area File: T21180.0026.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 7:02:54 PM
File reported on: 7/2/2012 at 7:07:49 PM

ASX67 1818

Chrom Perfect Chromatogram Report

Sample ID: CAPR11232B AACAPR1AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0026.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 6:47:34 PM
Oven Parameters: 50C for 1min, 15C/min to 190C, 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

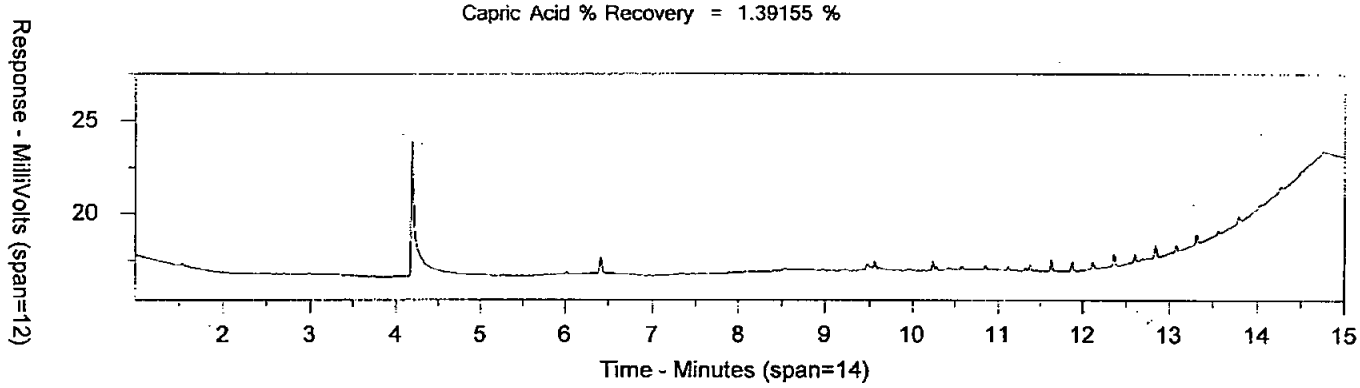
Sample Weight: 1
Dilution Factor: 1
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
2	4.20	Capric Acid	6.87	28724

********** Results Table **********

o-Terphenyl Level 3 % Difference = -100 %

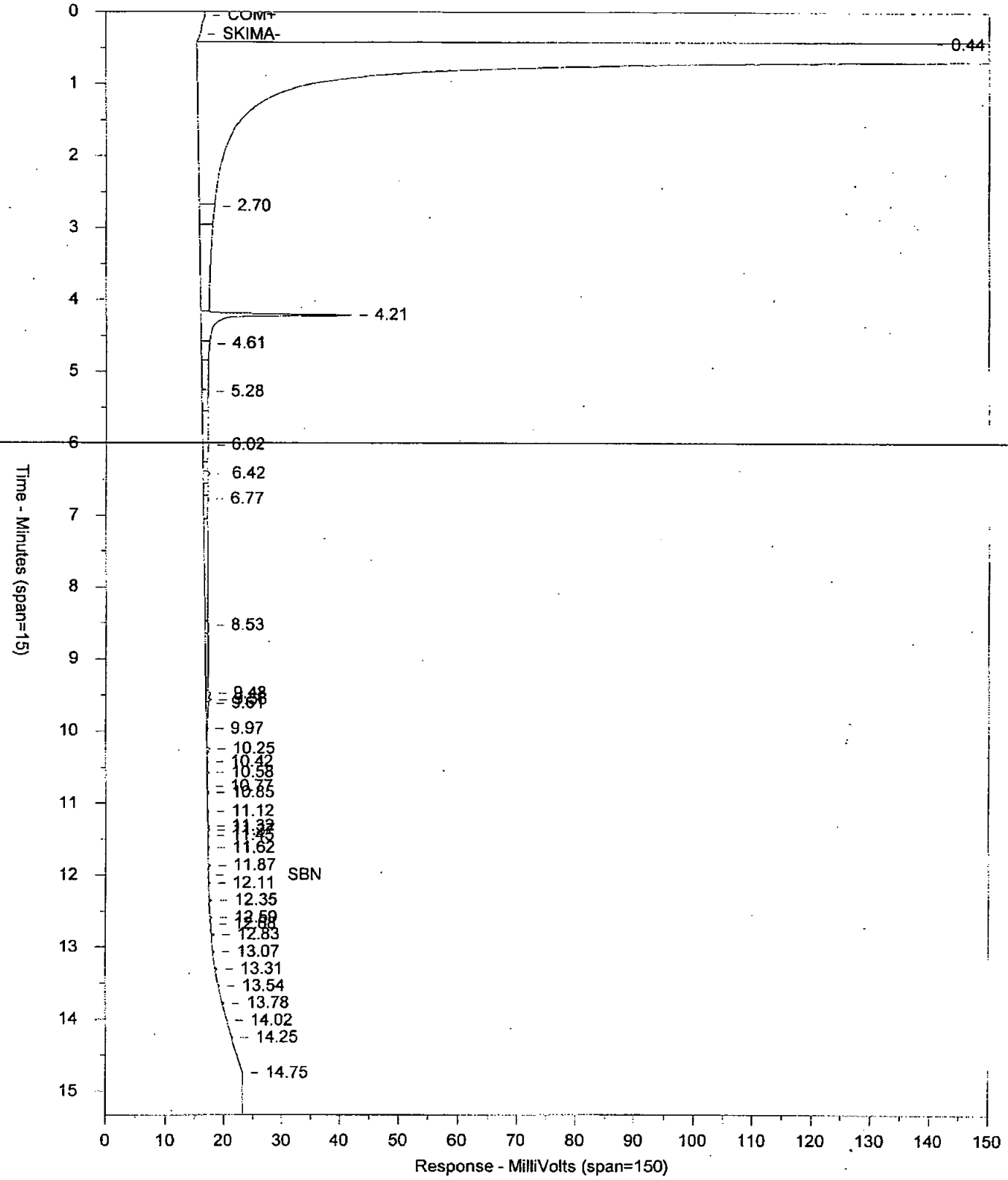
WW o-Terphenyl % Recovery = 0 %
SW o-Terphenyl % Recovery = 0 %
Capric Acid % Recovery = 1.39155 %



FILES:
Area File: T21180.0026.RAW
Area file created on: 6/28/2012 7:02:54 PM
File reported on: 7/2/2012 at 7:08:05 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1819

Sample ID: CAPR21232C AACAPR2AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0027.RAW TPH/DRO by 8015B, modified



ASX67 1828

Sample ID: CAPR21232C AACAPR2AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0027.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 7:09:39 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
3	4.21	Capric Acid	12.79	101285
21	11.37	C-28	0.03	575

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	12.83	247718.5
2	7.98	8.08	0.00	0.0

********** RESULTS TABLE **********

DRO AREA = 247718.5
DRO AMOUNT = 13.52415 PPM

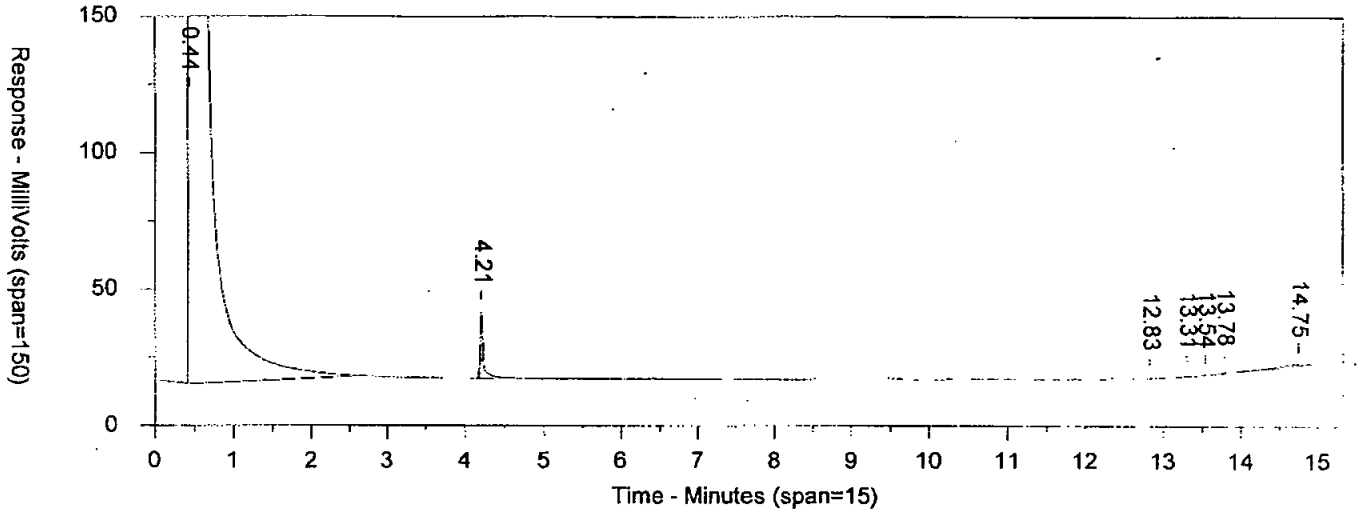
% Difference #2 Fuel Oil Level 3 = -98.30948%

FILES:
Area File: T21180.0027.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 7:25:00 PM
File reported on: 7/2/2012 at 7:07:51 PM

ASX67 1021

Chrom Perfect Chromatogram Report

Sample ID: CAPR21232C AACAPR2AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0027.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 7:09:39 PM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

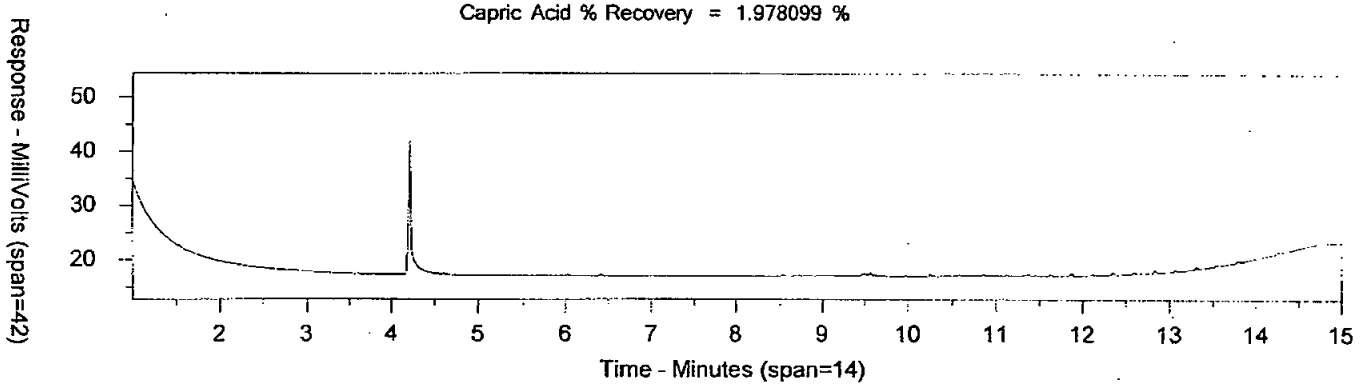
Sample Weight: 1
Dilution Factor: 1
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
2	4.21	Capric Acid	9.77	64250

********** Results Table **********

o-Terphenyl Level 3 % Difference = -100 %

WW o-Terphenyl % Recovery = 0 %
SW o-Terphenyl % Recovery = 0 %
Capric Acid % Recovery = 1.978099 %

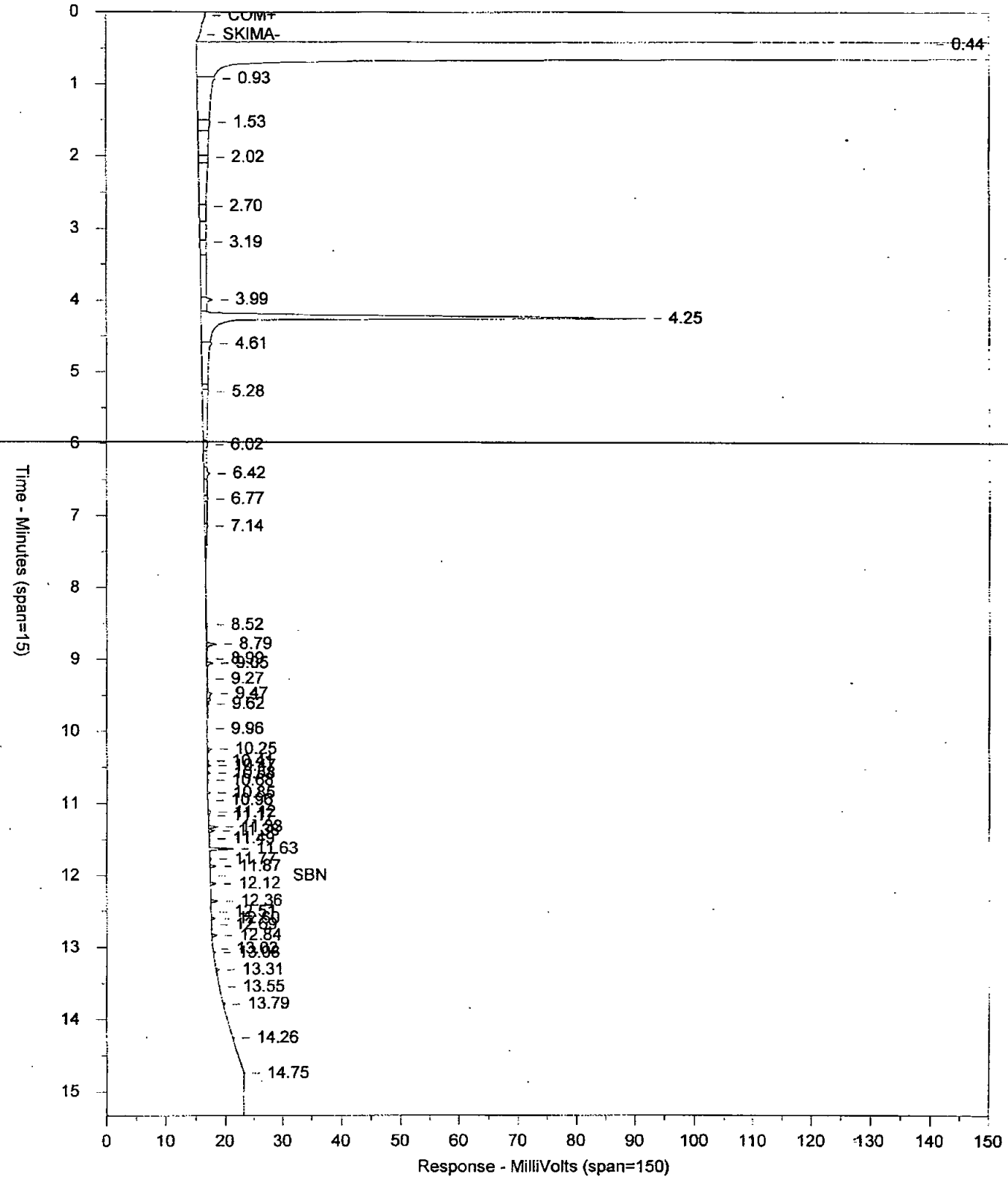


FILES:
Area File: T21180.0027.RAW
Area file created on: 6/28/2012 7:25:00 PM
File reported on: 7/2/2012 at 7:08:09 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1022

Chrom Perfect Chromatogram Report

Sample ID: CAPR31232B AACAPR3AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0028.RAW TPH/DRO by 8015B, modified



ASX67 1023

Sample ID: CAPR31232B AACAPR3AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0028.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 7:31:47 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
8	4.25	Capric Acid	26.47	268933
33	11.38	C-28	0.10	1775

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	26.57	434857.6
2	7.98	8.08	0.00	0.0

********** RESULTS TABLE **********

DRO AREA = 434857.6
DRO AMOUNT = 23.74098 PPM

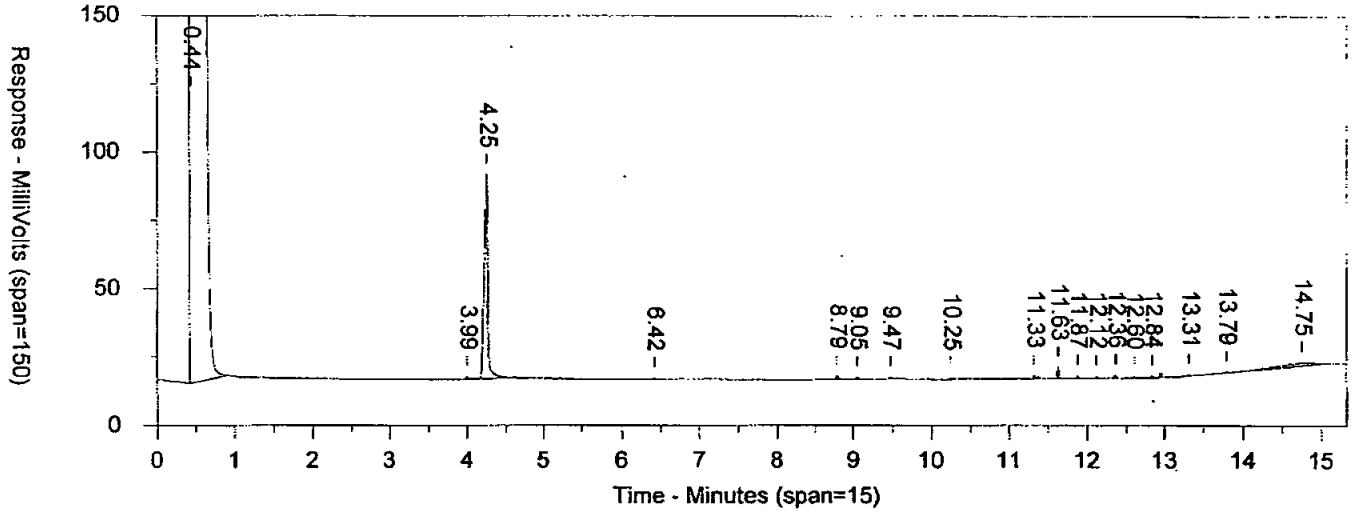
% Difference #2 Fuel Oil Level 3 = -97.03238%

FILES:
Area File: T21180.0028.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 7:47:08 PM
File reported on: 7/2/2012 at 7:07:53 PM

ASX67 1824

Chrom Perfect Chromatogram Report

Sample ID: CAPR31232B AACAPR3AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0028.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 7:31:47 PM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

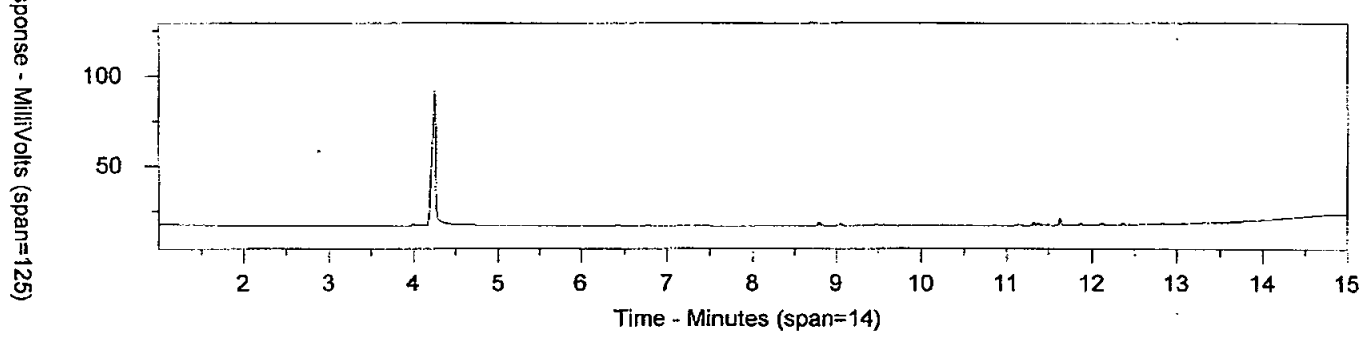
Sample Weight: 1
Dilution Factor: 1
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
3	4.25	Capric Acid	23.90	237520

********** Results Table **********

o-Terphenyl Level 3 % Difference = -100 %

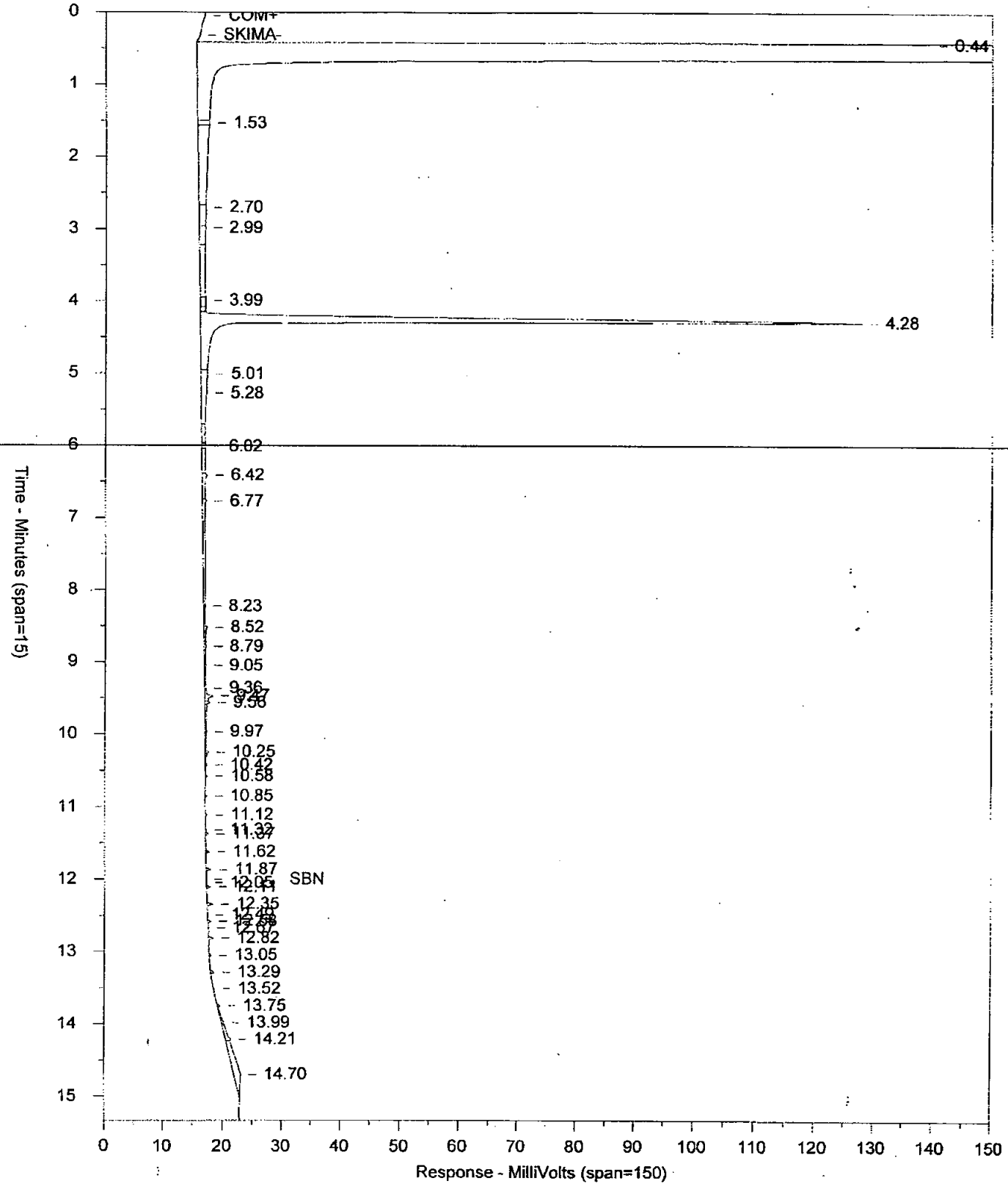
WW o-Terphenyl % Recovery = 0 %
SW o-Terphenyl % Recovery = 0 %
Capric Acid % Recovery = 4.838847 %



FILES:
Area File: T21180.0028.RAW
Area file created on: 6/28/2012 7:47:08 PM
File reported on: 7/2/2012 at 7:08:13 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1025

Sample ID: CAPR41232B AACAPR4AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0029.RAW TPH/DRO by 8015B, modified



ASX67 1826

Sample ID: CAPR41232B AACAPR4AA ICAL 1217899999
File: T21180.0029.RAW

ECY 97-602 NWTPH-Dx modified
TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 7:53:53 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
6	4.28	Capric Acid	43.46	477339
26	11.37	C-28	0.05	907

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	43.52	615453.3
2	7.98	8.08	0.00	0.0

********** RESULTS TABLE **********

DRO AREA = 615453.3
DRO AMOUNT = 33.60057 PPM

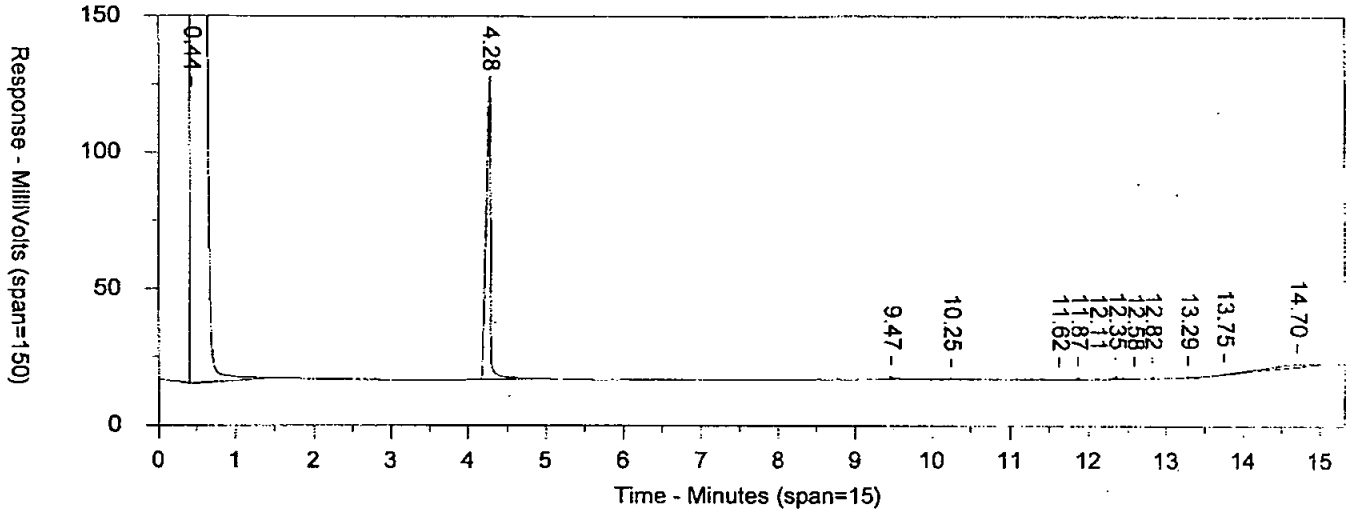
% Difference #2 Fuel Oil Level 3 = -95.79993%

FILES:
Area File: T21180.0029.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 8:09:15 PM
File reported on: 7/2/2012 at 7:07:55 PM

ASX67 1827

Chrom Perfect Chromatogram Report

Sample ID: CAPR41232B AACAPR4AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0029.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 7:53:53 PM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

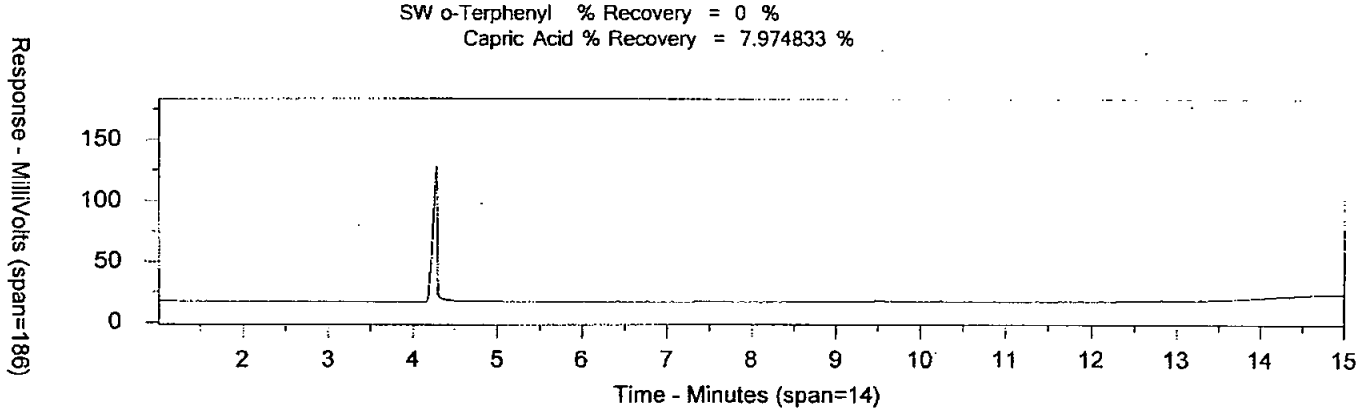
Sample Weight: 1
Dilution Factor: 1
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
2	4.28	Capric Acid	39.40	427460

********** Results Table **********

o-Terphenyl Level 3 % Difference = -100 %

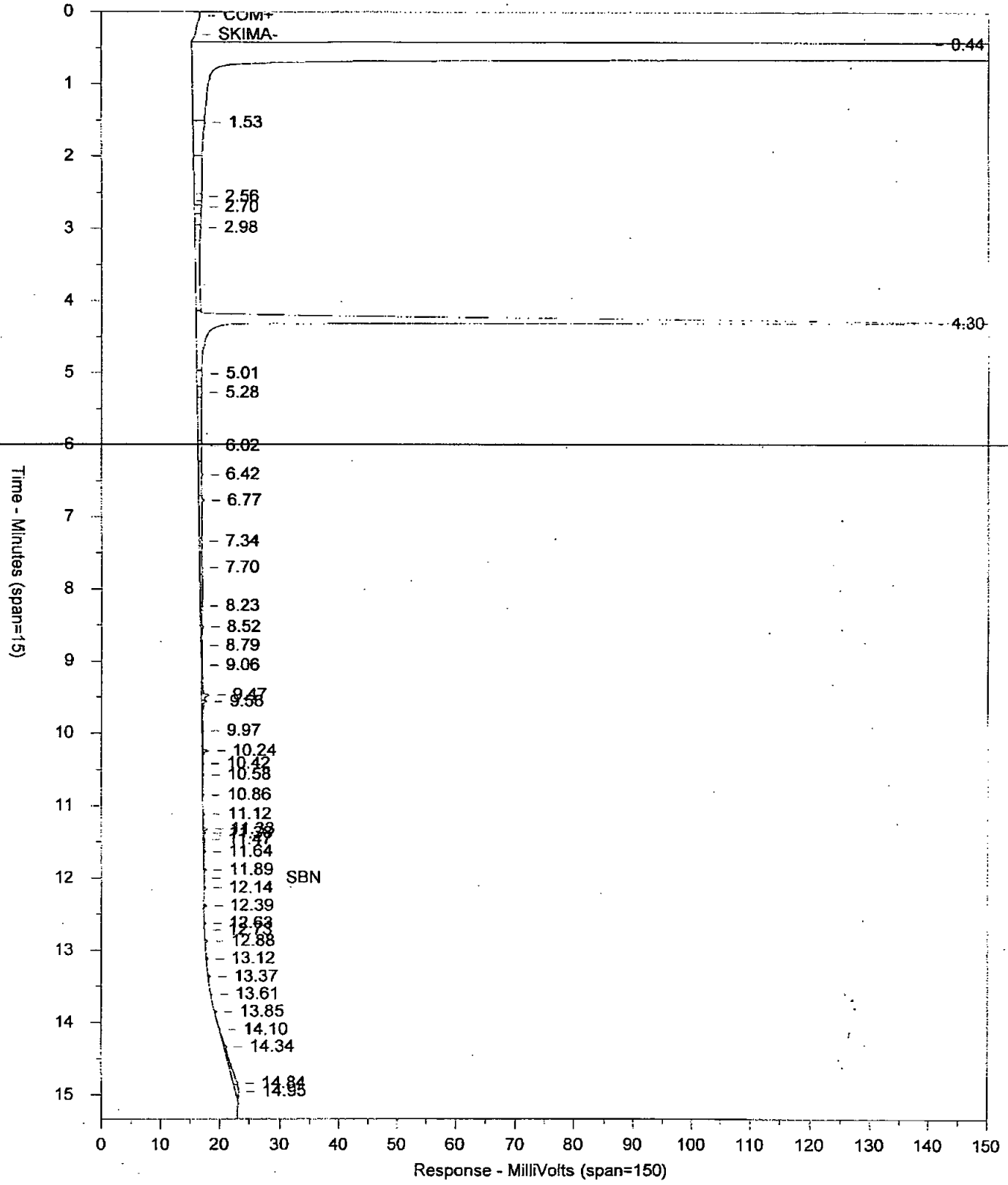
WW o-Terphenyl % Recovery = 0 %
SW o-Terphenyl % Recovery = 0 %
Capric Acid % Recovery = 7.974833 %



FILES:
Area File: T21180.0029.RAW
Area file created on: 6/28/2012 8:09:15 PM
File reported on: 7/2/2012 at 7:08:17 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1828

Sample ID: CAPR51232B AACAPR5AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0030.RAW TPH/DRO by 8015B, modified



ASX67 1829

Sample ID: CAPR51232B AACAPR5AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0030.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 8:16:04 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
6	4.30	Capric Acid	56.69	639543
27	11.38	C-28	0.04	.748

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	56.74	791868.6
2	7.98	8.08	0.00	0.0

********** RESULTS TABLE **********

DRO AREA = 791868.6
DRO AMOUNT = 43.23194 PPM

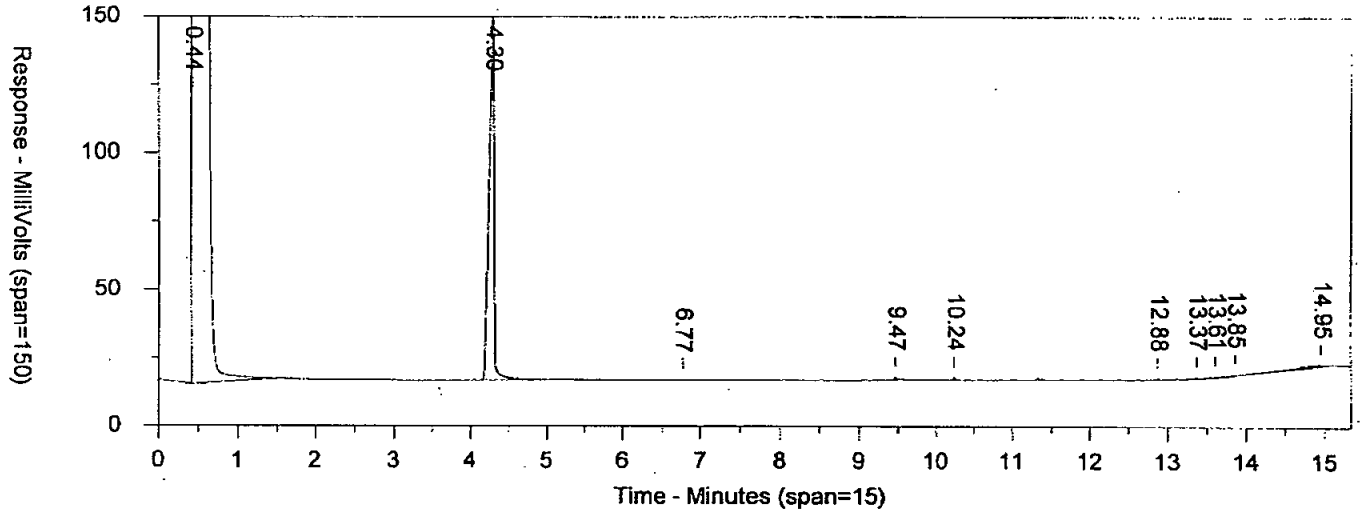
% Difference #2 Fuel Oil Level 3 = -94.59601%

FILES:
Area File: T21180.0030.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 8:31:24 PM
File reported on: 7/2/2012 at 7:07:57 PM

ASX67 1839

Chrom Perfect Chromatogram Report

Sample ID: CAPR51232B AACAPR5AA ICAL 1217899999 ECY 97-602 NWTPH-Dx modified
File: T21180.0030.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 6/28/2012 8:16:04 PM
Oven Parameters: 50C for 1min, 15C/min to 190C, 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

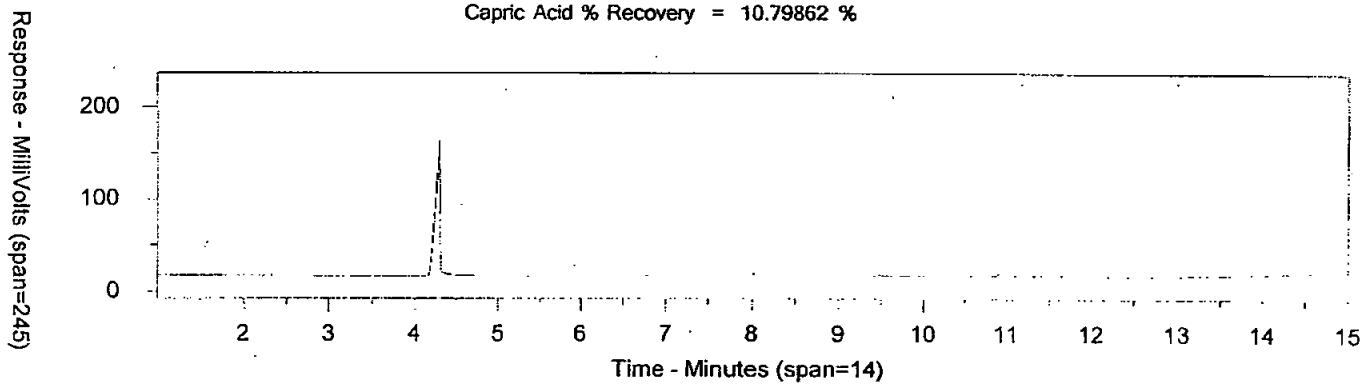
Sample Weight: 1
Dilution Factor: 1
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
2	4.30	Capric Acid	53.35	598491

********** Results Table **********

o-Terphenyl Level 3 % Difference = -100 %

WW o-Terphenyl % Recovery = 0 %
SW o-Terphenyl % Recovery = 0 %
Capric Acid % Recovery = 10.79862 %

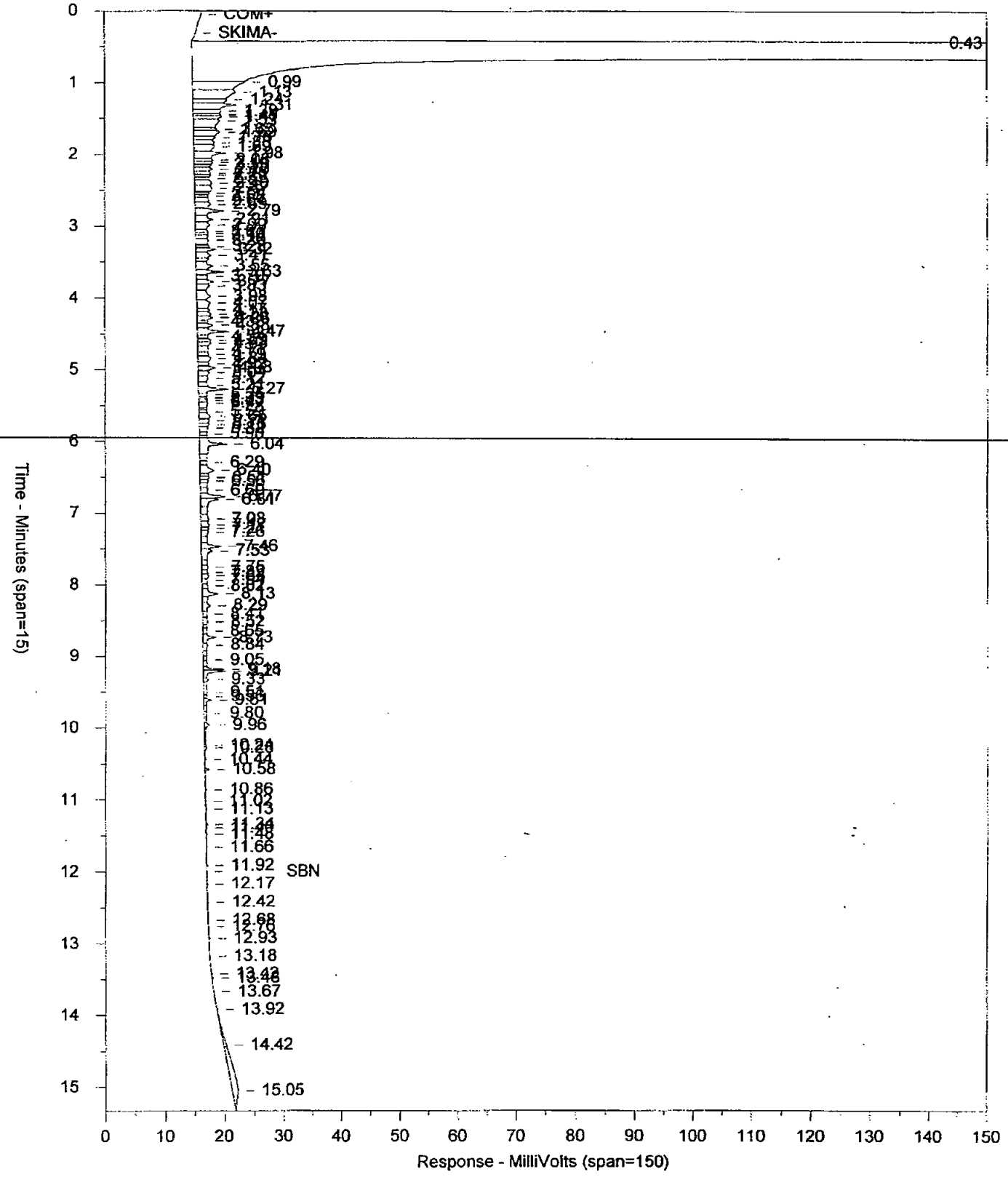


FILES:
Area File: T21180.0030.RAW
Area file created on: 6/28/2012 8:31:24 PM
File reported on: 7/2/2012 at 7:08:21 PM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1031

Chrom Perfect Chromatogram Report

Sample ID: 1MDLX1232A LP1MDLXLP CCAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0036.RAW TPH/DRO by 8015B, modified



ASX67 1832

Sample ID: 1MDLX1232A LP1MDLXLP CCAL 1217999999
File: T21180.0036.RAW

ECY 97-602 NWTPH-Dx modified
TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 10:54:46 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
5	1.31	C10	1.80	30143
47	4.23	Capric Acid	5.17	7799
92	8.02	O-terphenyl	0.18	3631
117	11.40	C-28	0.02	329

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	7.18	905685.8
2	7.98	8.08	0.18	3630.9

********** RESULTS TABLE **********

DRO AREA = 905685.8
DRO AMOUNT = 49.44577 PPM

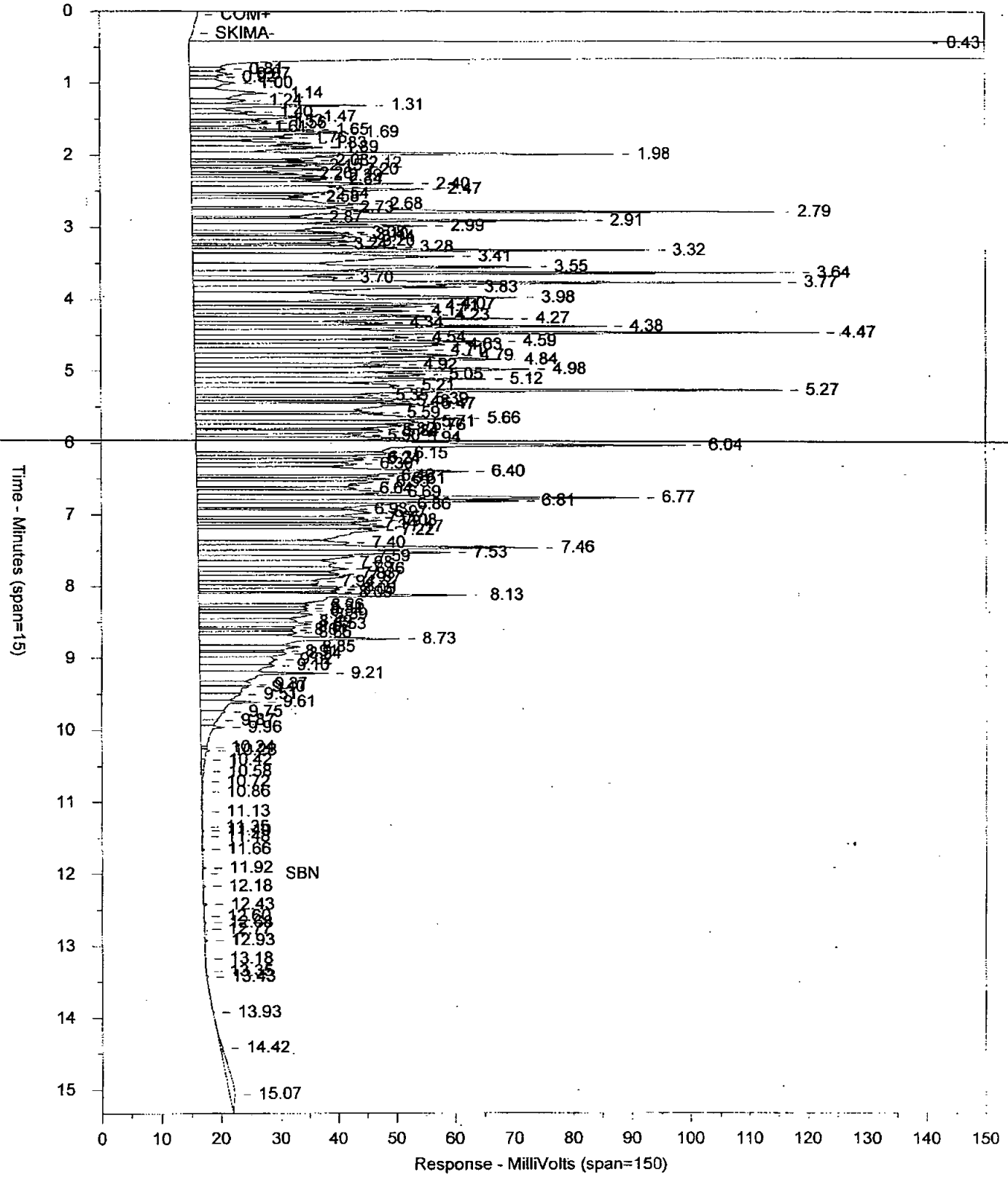
% Difference #2 Fuel Oil Level 3 = -93.81927%

FILES:
Area File: T21180.0036.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 11:10:06 PM
File reported on: 7/2/2012 at 7:07:59 PM

ASX67 1033

Chrom Perfect Chromatogram Report

Sample ID: 1FLKX1232B RM1FLKXRM CCAL 1217999999 ECY 97-602 NWTPH-Dx modified
File: T21180.0037.RAW TPH/DRO by 8015B, modified



ASX67 1834

Sample ID: 1FLKX1232B RM1FLKXRM CCAL 1217999999
File: T21180.0037.RAW

ECY 97-602 NWTPH-Dx modified
TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 6/28/2012 11:16:48 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
8	1.31	C10	4.13	69017
54	4.23	Capric Acid	12.01	91712
113	8.01	O-terphenyl	3.40	66829
148	11.40	C-28	0.03	494

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	19.57	13651330.0
2	7.98	8.08	3.40	122428.1

********** RESULTS TABLE **********

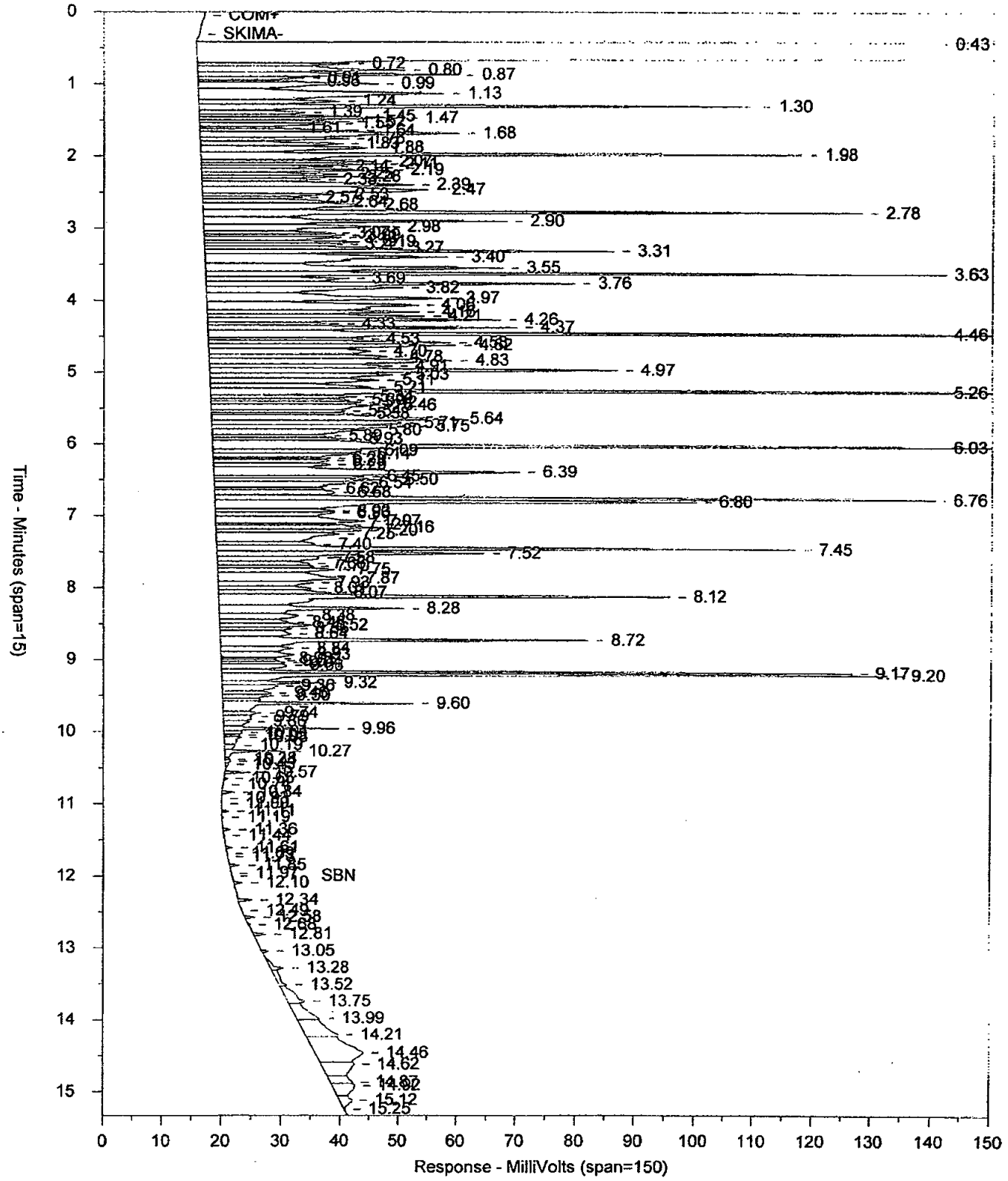
DRO AREA = 1.365133E+07
DRO AMOUNT = 745.2919 PPM

% Difference #2 Fuel Oil Level 3 = -6.838507%

FILES:
Area File: T21180.0037.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 6/28/2012 11:32:08 PM
File reported on: 7/2/2012 at 7:08:01 PM

ASX67 1035

Sample ID: 1FUL31232G BV1FUL3BV CCAL 1219099999 SW-846 8015B
File: T21191.0037.RAW TPH/DRO by 8015B, modified



ASX67 1036

Sample ID: 1FUL31232G BV1FUL3BV CCAL 1219099999 SW-846 8015B
File: T21191.0037.RAW TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 7/10/2012 8:12:24 AM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
10	1.30	C10	11.92	199106
55	4.21	Capric Acid	11.90	90291
114	8.01	O-terphenyl	2.22	43591
157	11.36	C-28	0.12	2100

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	26.15	12733620.0
2	7.98	8.08	2.22	99672.7

********** RESULTS TABLE **********

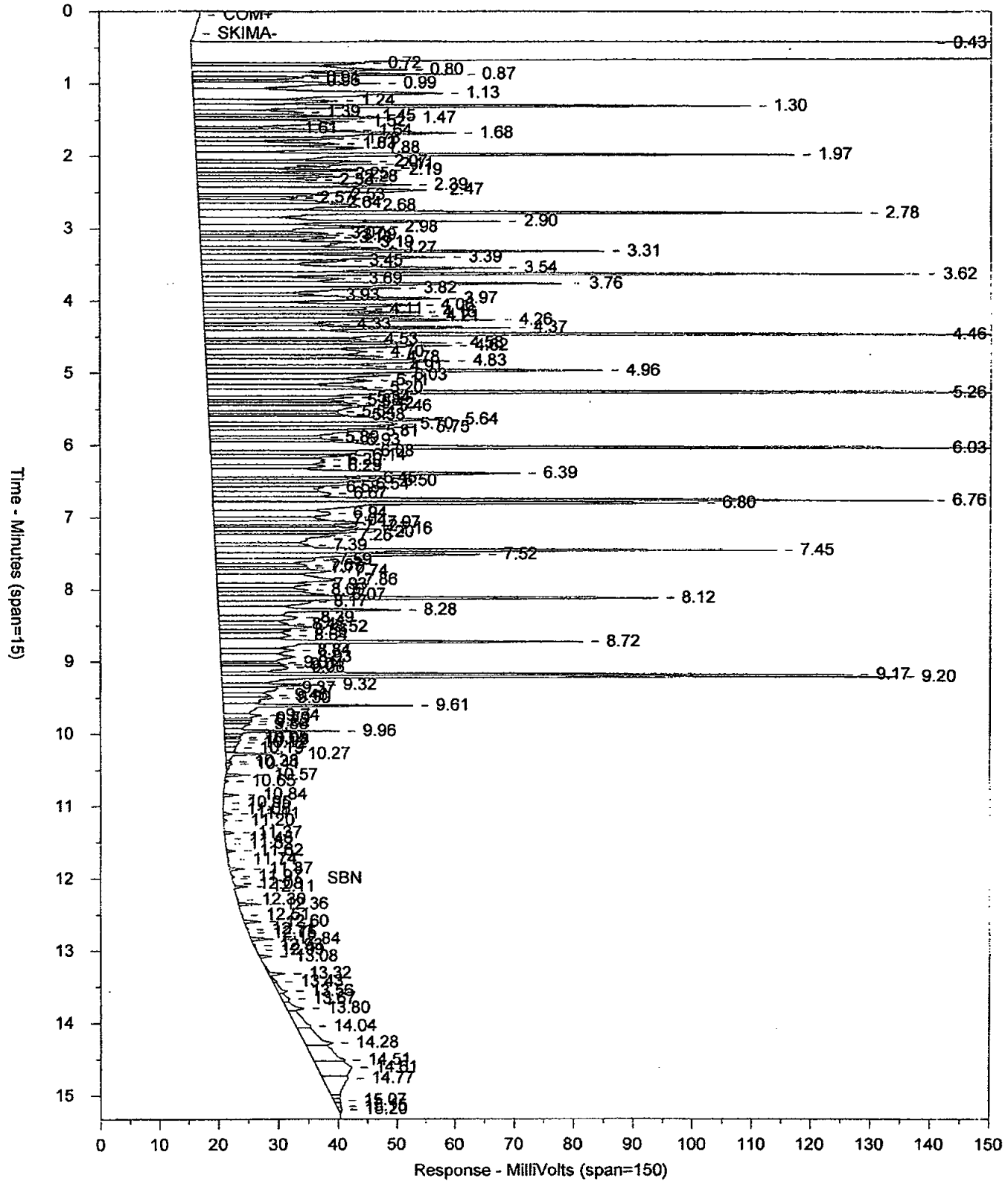
DRO AREA = 1.273362E+07
DRO AMOUNT = 695.1899 PPM

% Difference #2 Fuel Oil Level 3 = -13.10126%

FILES:
Area File: T21191.0037.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 7/10/2012 8:27:46 AM
File reported on: 7/10/2012 at 8:27:50 AM

ASX67 1837

Sample ID: 1FUL31232G BS1FUL3BS CCAL 1219099999
File: T21191.0050.RAW TPH/DRO by 8015B, modified



ASX67 1838

Sample ID: 1FUL31232G BS1FUL3BS CCAL 1219099999
File: T21191.0050.RAW

TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 7/10/2012 4:54:38 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
10	1.30	C10	12.01	200736
55	4.21	Capric Acid	12.38	96174
113	8.00	O-terphenyl	2.35	46116
155	11.37	C-28	0.13	2279

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	26.87	12632350.0
2	7.98	8.08	2.35	101030.2

********** RESULTS TABLE **********

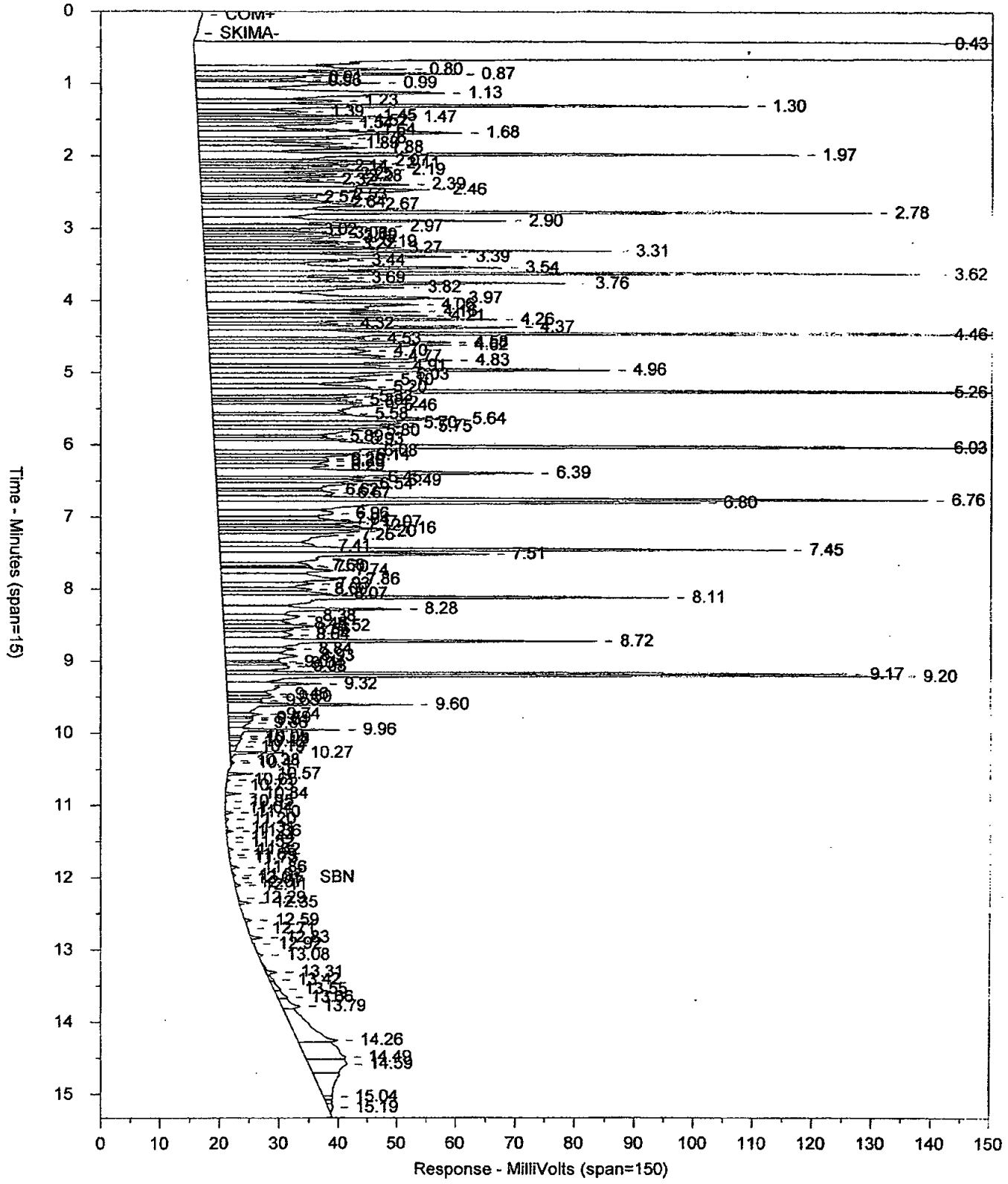
DRO AREA = 1.263235E+07
DRO AMOUNT = 689.6611 PPM

% Difference #2 Fuel Oil Level 3 = -13.79236%

FILES:
Area File: T21191.0050.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 7/10/2012 5:09:59 PM
File reported on: 7/10/2012 at 5:10:03 PM

ASX67 1039

Sample ID: 1FUL31232G BZ1FUL3BZ CCAL 1219099999
File: T21191.0060.RAW TPH/DRO by 8015B, modified



ASX67 1848

Sample ID: 1FUL31232G BZ1FUL3BZ CCAL 1219099999
File: T21191.0060.RAW

TPH/DRO by 8015B, modified

Instrument ID: CP21-H6783A
Injected on: 7/10/2012 9:02:49 PM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 1
Injection Volume: 1
Dilution Factor: 1

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
9	1.30	C10	12.09	201989
56	4.26	Capric Acid	14.66	124205
112	8.00	O-terphenyl	2.14	42093
155	11.36	C-28	0.11	1863

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	29.00	12616120.0
2	7.98	8.08	2.14	91180.7

********** RESULTS TABLE **********

DRO AREA = 1.261612E+07
DRO AMOUNT = 688.7748 PPM

% Difference #2 Fuel Oil Level 3 = -13.90315%

FILES:
Area File: T21191.0060.RAW
Method File: 1FULSCHK.MET
Calibration File: 1FLS180A.CAL
Format File: 1FulSchk.fmt
Area file created on: 7/10/2012 9:18:10 PM
File reported on: 7/10/2012 at 9:18:12 PM

ASX67 1041

Raw QC Data

Lancaster Laboratories Range Data Summary

Sample Name: BLANKA .7/4/12 PBLK12185 Sample ID: AA **Batchnumber:** 121850012A
Sample Amount: 30. Total Volume: 5. ml Analyst: 1449 SDG: State:
Analyses: 10941

Injection Summary

Injected on : 7/10/2012 08:35:42
Instrument : CP21--H6783A
Result file : T21191.0038.RAW
Calibration files : 1FLS180A.CAL
Method files : 1FUELS.MET 1REPLOTS.MET
Setting : 1FLS180AS

Surrogate Recoveries

O-TERPHENYL 99% (50-131) Conc.: 1.972904

Range	Retention Times	Area	Amount	LOQ	MDL	Flags	Units
☐ o-terphenyl	8.01 (7.98 - 8.08)	232463	1.9729				mg/kg
☐ Total DRO	1.22 - 11.50	247523	0.1370	<12	<4		mg/kg

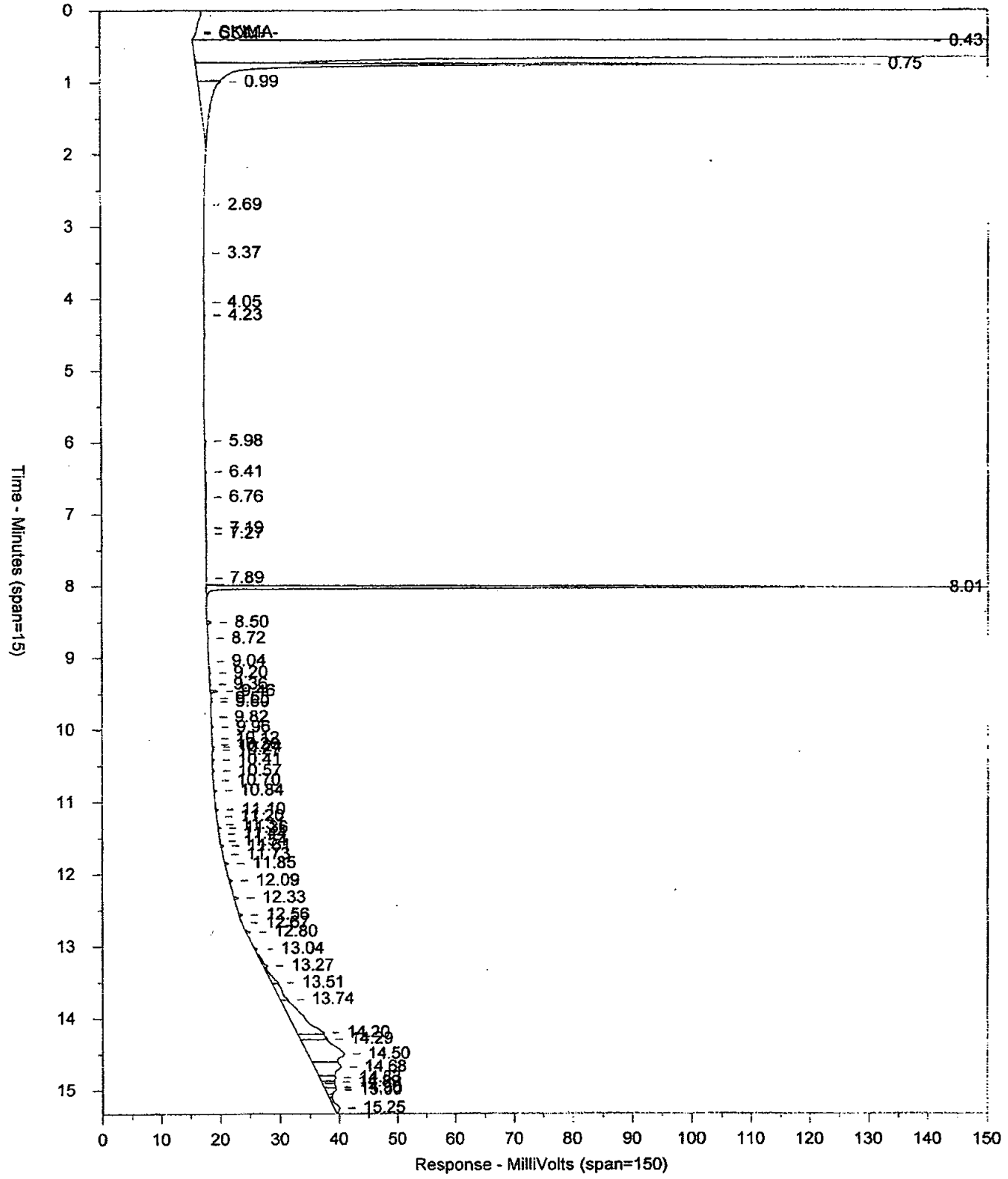
Comments: _____

Reviewed by: Glorines Suarez-Rivera, Senior Technician
Date: JUL 10 2012

Verified by: Tracy A. Cole
Date: JUL 11 2012
Tracy A. Cole
Senior Specialist

ASX67 1043

Sample ID: BLANKA 7/4/12 AAPBLK12185 BLK 121850012A 10941 SW-846 8015B
File: T21191.0038.RAW TPH/DRO by 8015B, modified



ASX67 1044

Sample ID: BLANKA 7/4/12 AAPBLK12185 BLK 121850012A 10941 SW-846 8015B
File: T21191.0038.RAW TPH/DRO by 8015B, modified

Instrument ID:CP21
Injected on: 7/10/2012 8:35:42 AM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 30
Injection Volume: 1
Dilution Factor: 5

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
7	4.23	Capric Acid	0.76	290
14	8.01	O-terphenyl	1.97	232463
37	11.44	C-28	0.00	280

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	82.04	247522.7
2	7.98	8.08	59.19	232462.5

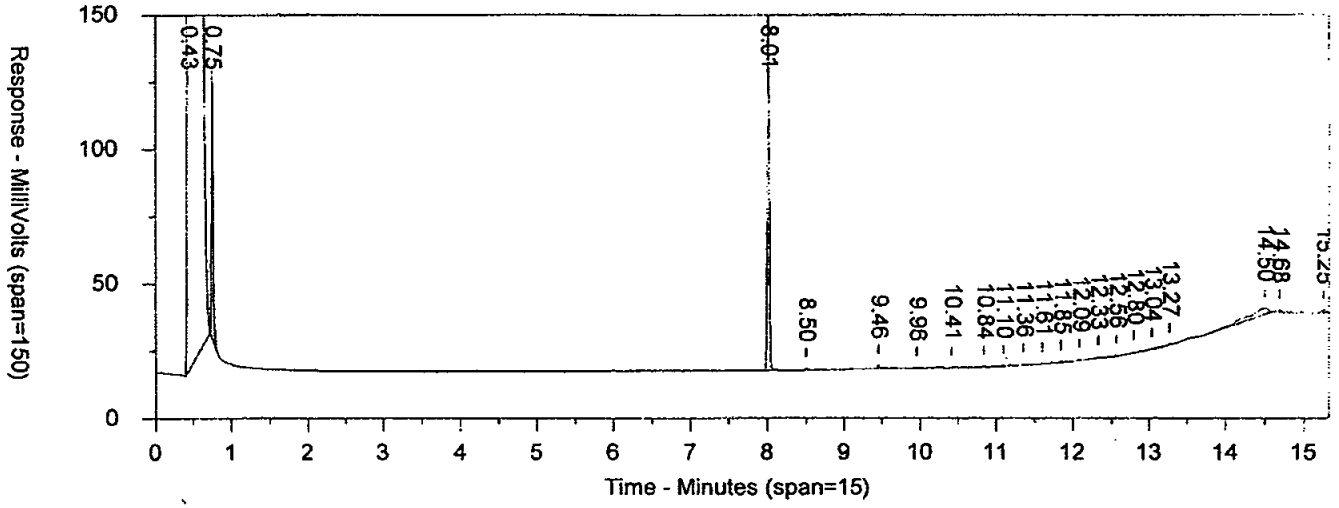
********** RESULTS TABLE **********

DRO AREA = 247522.7
DRO AMOUNT = 2.252243 PPM

FILES:
Area File: T21191.0038.RAW
Method File: 1FUELS.MET
Calibration File: 1FLS180A.CAL
Format File: 1FuelS.fmt
Area file created on: 7/10/2012 8:51:03 AM
File reported on: 7/10/2012 at 8:51:04 AM

ASX67 1045

Sample ID: BLANKA 7/4/12 AAPBLK12185 BLK 121850012A 10941 SW-846 8015B
File: T21191.0038.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 7/10/2012 8:35:42 AM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

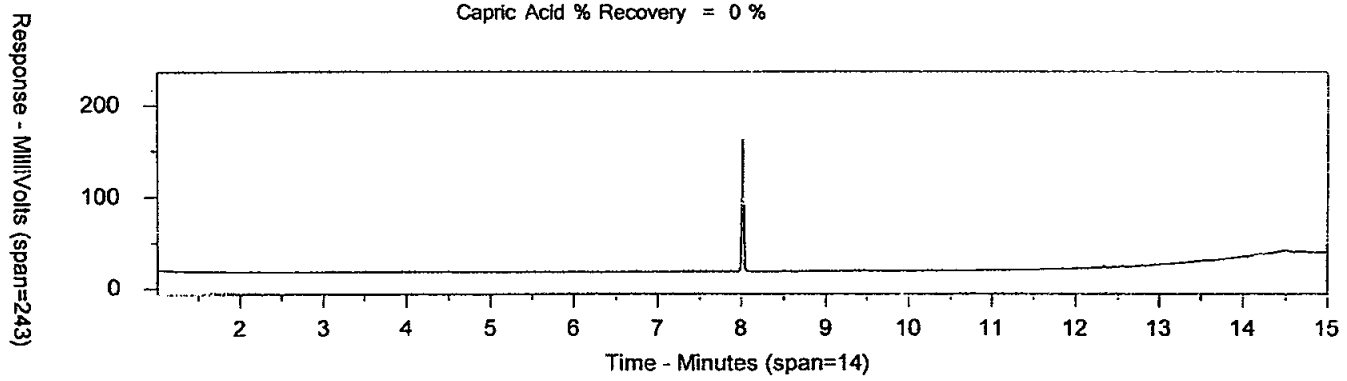
Sample Weight: 30
Dilution Factor: 5
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
3	8.01	O-terphenyl	1.97	232463
10	11.36	C-28	0.01	720

********** Results Table **********

o-Terphenyl Level 3 % Difference = 1749.597 %

WW o-Terphenyl % Recovery = 493.2259 %
SW o-Terphenyl % Recovery = 98.64519 %
Capric Acid % Recovery = 0 %



FILES:
Area File: T21191.0038.RAW
Area file created on: 7/10/2012 8:51:03 AM
File reported on: 7/10/2012 at 8:51:07 AM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1846

Lancaster Laboratories Range Data Summary

Sample Name: LCSA 7/4/12 LCS12185 Sample ID: AA **Batchnumber:** 121850012A
Sample Amount: 30. Total Volume: 5. ml Analyst: 1449 SDG: State:
Analyses: 10941

Injection Summary

Injected on : 7/10/2012 08:59:01
Instrument : CP21--H6783A
Result file : T21191.0039.RAW
Calibration files : 1FLS180A.CAL
Method files : 1FUELS.MET 1REPLOTS.MET
Setting : 1FLS180AS

Surrogate Recoveries

O-TERPHENYL 99% (50-131) Conc.: 1.974959

Range	Retention Times	Area	Amount	LOQ	MDL	Flags	Units
☐ o-terphenyl	8.01 (7.98 - 8.08)	232705	1.9750				mg/kg
☐ Total DRO	1.22 - 11.50	13140171	117.4468	12	4		mg/kg

Comments: _____

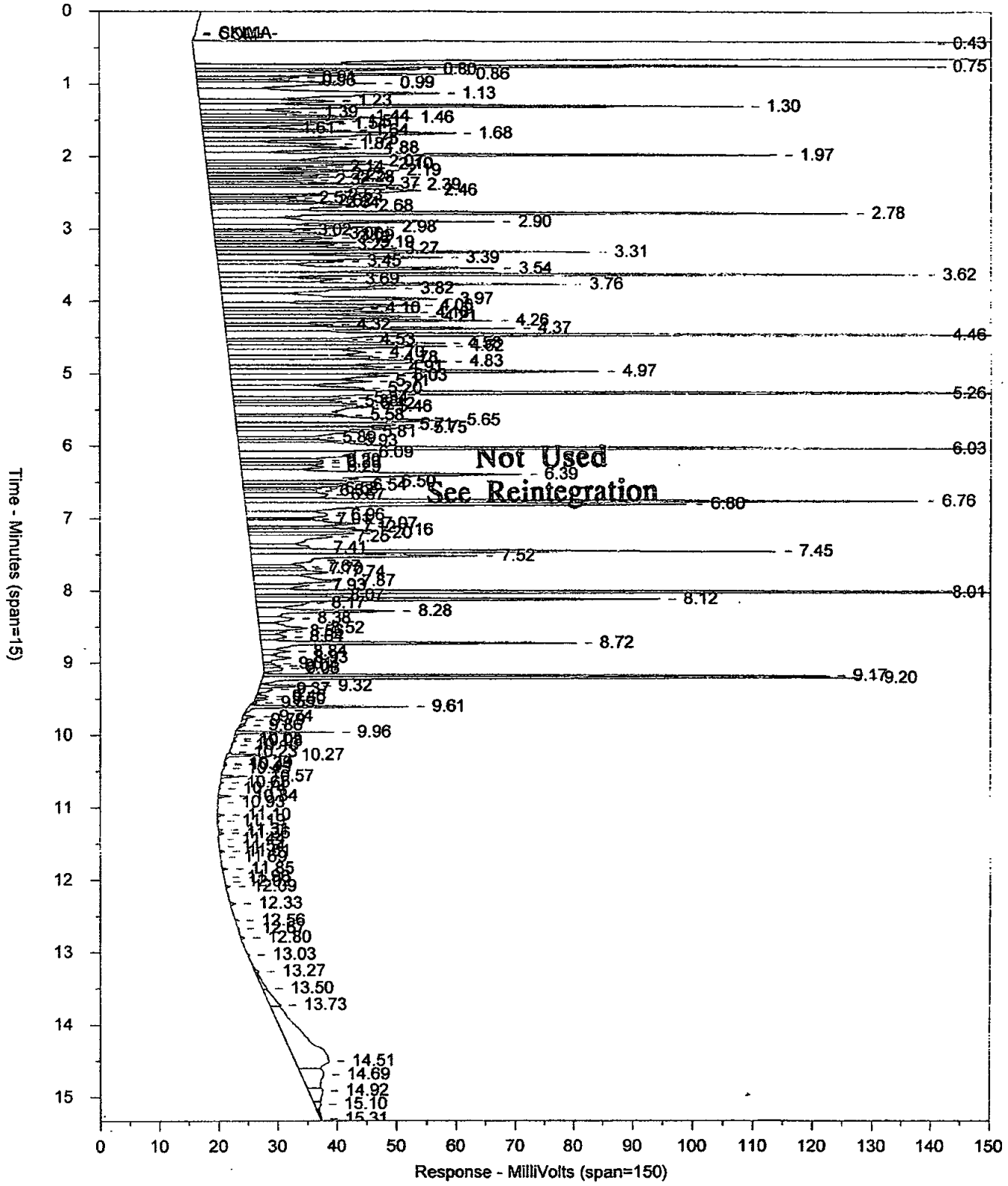
Tracy A. Cole

Reviewed by: Glorines Suarez-Rivera, Senior Techician
Date: JUL 10 2012

Verified by: JUL 11 2012
Date: Tracy A. Cole, Senior Specialist

ASX67 1047

Sample ID: LCSA 7/4/12 AALCS12185 LCS 121850012A 10941 SW-846 8015B
File: T21191.0039.RAW TPH/DRO by 8015B, modified



ASX67 1848

Sample ID: LCSA 7/4/12 AALCS12185 LCS 121850012A 10941 SW-846 8015B
File: T21191.0039.RAW TPH/DRO by 8015B, modified

Instrument ID:CP21
Injected on: 7/10/2012 8:59:01 AM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 30
Injection Volume: 1
Dilution Factor: 5

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
10	1.30	C10	1.91	191405
60	4.21	Capric Acid	1.90	84370
116	8.01	O-terphenyl	2.30	270766
160	11.44	C-28	0.00	239

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	183.35	10444650.0
2	7.98	8.08	68.94	291611.8

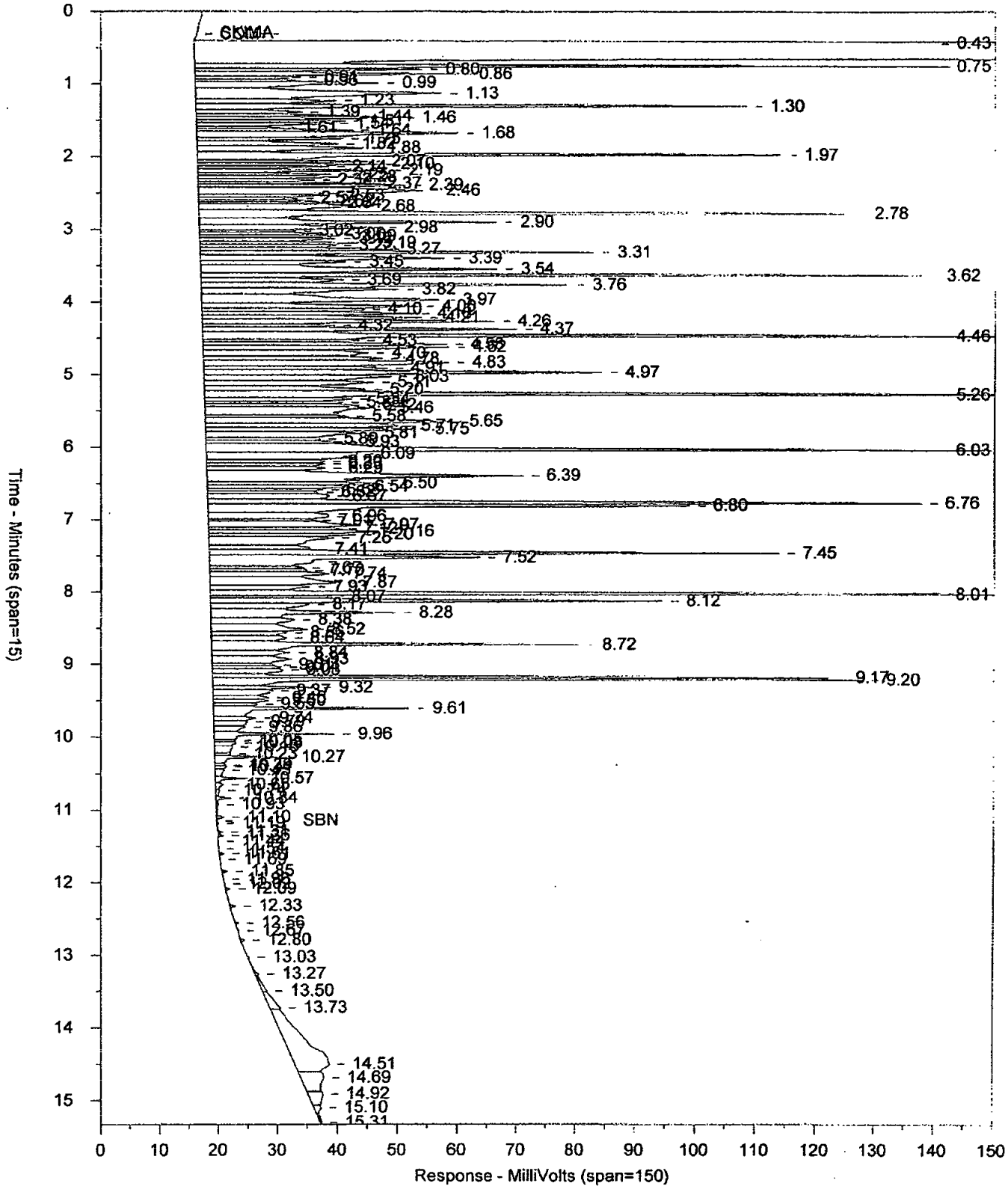
********** RESULTS TABLE **********

Not Used
See Reintegration

DRO AREA = 1.044465E+07
DRO AMOUNT = 95.03734 PPM

FILES:
Area File: T21191.0039.RAW
Method File: 1FUELS.MET
Calibration File: 1FLS180A.CAL
Format File: 1FuelS.fmt
Area file created on: 7/10/2012 9:14:22 AM
File reported on: 7/10/2012 at 9:14:27 AM

Sample ID: LCSA 7/4/12 AALCS12185 LCS 121850012A 10941 SW-846 8015B
File: T21191.0039.RAW TPH/DRO by 8015B, modified



ASX67 1858

Sample ID: LCSA 7/4/12 AALCS12185 LCS 121850012A 10941 SW-846 8015B
File: T21191.0039.RAW TPH/DRO by 8015B, modified

Instrument ID:CP21
Injected on: 7/10/2012 8:59:01 AM
Oven Parameters: 80C 1min; 15C/min to 190C; 30C/min to 340C; Hold 2min
GC Column: ZB5 30m X 0.32mm X 0.25um; Inj 300C Det 320C

Sample Amount: 30
Injection Volume: 1
Dilution Factor: 5

Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
10	1.30	C10	1.96	196124
60	4.21	Capric Acid	2.07	97056
116	8.01	O-terphenyl	2.61	307624
160	11.44	C-28	0.00	239

Slice	Start Time	Stop Time	Slice Amount	Slice Area
1	1.22	11.50	199.32	13140170.0 M
2	7.98	8.08	78.32	342390.9

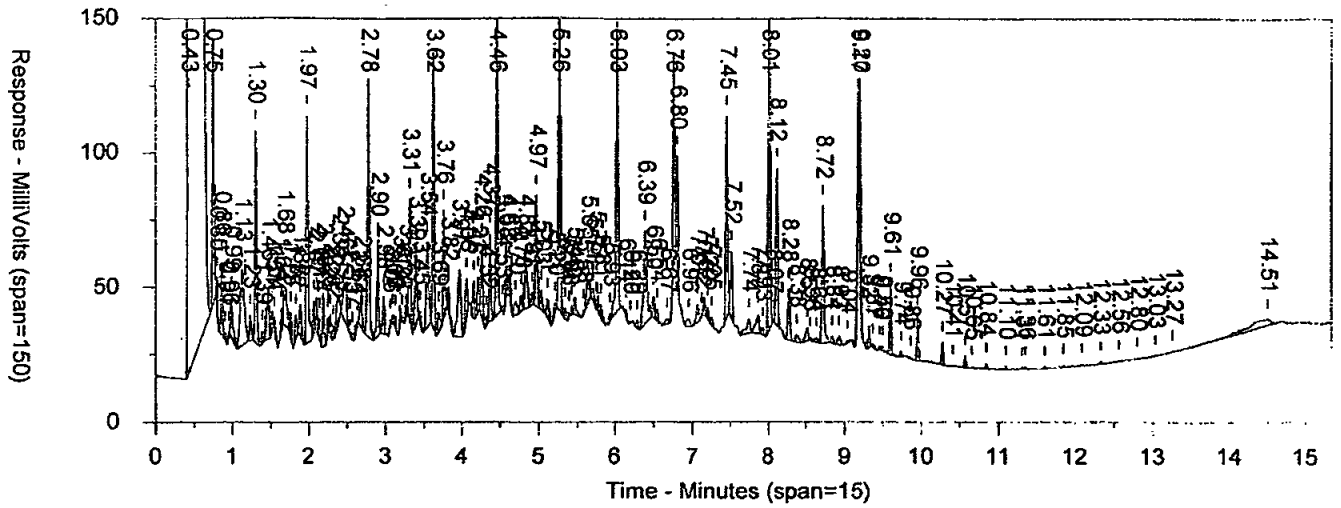
********** RESULTS TABLE **********

DRO AREA = 1.314017E+07
DRO AMOUNT = 119.5642 PPM

FILES:
Area File: T21191.0039.RAW
Method File: 1FUELS.MET
Calibration File: 1FLS180A.CAL
Format File: 1FuelS.fmt
Area file created on: 7/10/2012 4:16:33 PM
File reported on: 7/10/2012 at 4:16:33 PM

M = Manually Integrated
Analyst [signature] 7/10/12
Approved by [signature] 7-11-12
Circle Reason 1 (2) 3 4
1 = Missed Peak
2 = Improper Baseline
3 = RT Update
4 = Other _____

Sample ID: LCSA 7/4/12 AALCS12185 LCS 121850012A 10941 SW-846 8015B
File: T21191.0039.RAW Surrogate Report for 8015B, modified



Instrument ID: CP21-6783
Injected On: 7/10/2012 8:59:01 AM
Oven Parameters: 50C for 1min; 15C/min to 190C; 30C/min to 340C, Hold 2min
GC Column: ZB-5 30m x 0.32mm x 0.25um; Inj 300C, Det 320C

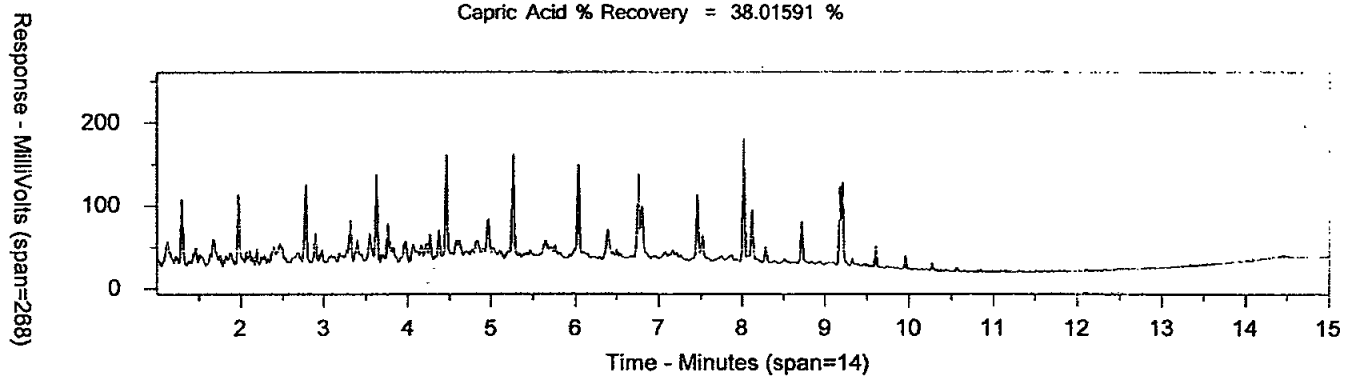
Sample Weight: 30
Dilution Factor: 5
Injection Volume: 1
Analyst: 1449

Peak	Ret Time (min)	Peak Name	Amount (PPM)	Peak Area
10	1.30	C10	1.29	129802
54	4.21	Capric Acid	1.04	21192
102	8.01	O-terphenyl	1.97	232705
131	11.36	C-28	0.01	1155

********** Results Table **********

o-Terphenyl Level 3 % Difference = 1751.524 %

WW o-Terphenyl % Recovery = 493.7397 %
SW o-Terphenyl % Recovery = 98.74792 %
Capric Acid % Recovery = 38.01591 %



FILES:
Area File: T21191.0039.RAW
Area file created on: 7/10/2012 9:14:22 AM
File reported on: 7/10/2012 at 9:14:31 AM
Calibration File: 1FLS180A.CAL
Method File: 1REPLOTS.MET
Format File: 1REplotS.fmt

ASX67 1953

Extraction/Distillation/Digestion Logs

Organic Extraction Batchlog

121850012A

Assigned to: 2804 Katheryne Sponheimer

Reviewed by: [illegible] Start Date: 7/4/12 Start time: 8:15

Tech 1: 2804 Tech 2:

Dept: 32	Prep Analysis: 10942 Microwave Extraction-DRO soils										TPH-DRO soil C10-C28 microwave
QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
6707002MS	TS-30	30.2	SS1216032A	1	MS1217332A	1	5	Z	Z	59A	Damp Brown Soil
6707003MSD	TS-30	30.0	SS1216032A	1	MS1217332A	1	5	Z	Z	59A	↓
BLANKA	PBLK12185	30	SS1216032A	1			5	Z	Z		Na2SO4
LCSA	LCS12185	30	SS1216032A	1	MS1217332A	1	5	Z	Z		↓

Solvent Used	Lot No.
Methylene Chloride	L09E05
Sodium Sulfate	12184A

Spike Solutions: ~~MS1217332A~~ MS1218132A 7/4/12 Witness: TPH WORKING SPIKE

~~SS1216032A~~ SS1217332B 7/4/12 TPH SURROGATE STANDARD

	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	Due Date	Prio
	1 6706981~~BKG~~	TS-25	30.2	SS1216032A	1	5	Z	Z	59A	~~Rocks~~	10941	07/12/2012	N
•	2 6706986	TS-42	30.5	SS1216032A	1	10	Z	Z	59A	Damp Brown Soil	10941	07/12/2012	N
*	3 6707001BKG	TS-30	30.3	SS1216032A	1	5	Z	Z	59A	↓	10941	07/12/2012	N
	4 6707004	TS-D3	30.2	SS1216032A	1	5	Z	Z	59A		10941	07/12/2012	N
•	5 6707012	TS-38	30.0	SS1216032A	1	5	Z	Z	59A		10941	07/12/2012	N
	6 6707030	TS-61	30.2	SS1216032A	1	10	Z	Z	59A	Brown Soil	10941	07/12/2012	N

③ HRE031 7.3.12

*Extracts bumped while on steambath, lost small amount of extract. 2804 7/4/12

• Extracts would not concentrate to F.V. 5mL, Brought to F.V. 10mL 2804 7/4/12

2804 7/4/12

Rack ID:		Work Station	Micro 16866
Internal Standard		Balance #	17609

S-bath ID 6	89 C	S-bath ID	C	N-Evap	C	M-vap	C	121850012A

Documented temps are NIST corrected.

DF = Dilution Factor FV = Final Volume

Moisture Data

ASX67 1855

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CLIENT: Stantec
SDG: ASX67

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
6706974	TS-18
6706975	TS-19
6706976	TS-20
6706977	TS-21
6706978	TS-22
6706979	TS-23
6706980	TS-24
6706981	TS-25BKG
6706982	TS-25MS
6706983	TS-25MSD
6706984	TS-40
6706985	TS-41
6706986	TS-42
6706987	TS-43
6706988	TS-44
6706989	TS-45
6706990	TS-46
6706991	TS-47
6706992	TS-48
6706993	TS-49

Laboratory Compliance Quality Control

Analysis Name	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 12185820001A	Sample number(s): 6706974-6706983				
Moisture	100		99-101		
Moisture	100		99-101		
Moisture Duplicate	100		99-101		
Batch number: 12185820001B	Sample number(s): 6706984-6706993				
Moisture	100		99-101		

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 12185820001A	Sample number(s): 6706974-6706983			
Moisture	1.5	1.5	2 (1)	13
Moisture	1.5	1.5	2 (1)	15
Moisture Duplicate	1.5	1.5	2 (1)	15
Batch number: 12185820001B	Sample number(s): 6706984-6706993			
Moisture	9.1	9.0	2	13

* - Outside of specification
(1) - The result for one or both determinations was less than five times the LOQ.

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MOISTURE

CLIENT: Stantec
SDG: ASX67

Moisture Data Report

Batch #: 12185820001

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
LCS 89.5% Std.			1.0984	5.0023	1.6268	89.44	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706974	A	00111	1.0776	5.6719	6.0055	13.12	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706975	A	00111	1.0845	5.9110	6.2967	11.82	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706976	A	00111	1.1277	5.0945	6.2196	0.05	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706977	A	00111	1.1272	5.4839	6.0908	9.49	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706978	A	00111	1.0981	5.3681	6.4570	0.17	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706979	A	00111	1.0979	5.2993	6.3921	0.10	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706980	A	00111	1.0954	6.1083	7.1761	0.45	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706981BKG	A	00111	1.1128	3.9997	5.0531	1.49	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706982MS	A	00118				1.49	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706983MSD	A	00118				1.49	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706983MSD	A	00121	1.0896	3.0092	4.0534	1.51	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706984	B	00111	1.1005	5.7264	6.5302	5.18	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706985	B	00111	1.1514	5.7430	6.5875	5.34	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706986	B	00111	1.1449	6.4333	7.2451	5.18	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706987	B	00111	1.0829	5.2764	6.3554	0.07	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706988	B	00111	1.1081	5.1569	5.5107	14.63	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706989	B	00111	1.1214	6.0499	6.4647	11.68	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706990	B	00111	1.1117	6.1298	6.8850	5.82	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706991	B	00111	1.0973	5.8511	6.3412	10.38	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706992BKG	B	00111	1.0950	6.3045	6.8243	9.12	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706992DUP	B	00111	1.1074	5.1382	5.7841	8.98	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)
6706993	B	00111	1.1022	6.9664	7.9399	1.85	7/ 3/12 (1201/SWF)	7/ 5/12 (1382/SAS)